

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003279.D
 Acq On : 24 Oct 2018 19:41
 Operator : MJ/SJ
 Sample : J5164-02
 Misc : LOQ 20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Quant Time: Oct 25 05:23:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	99619	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	461412	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	288925	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	684523	20.00	ng	0.00
76) Chrysene-d12	21.21	240	741474	20.00	ng	0.00
87) Perylene-d12	23.42	264	741164	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	848574	148.37	ng	0.00
7) Phenol-d6	6.80	99	1206237	148.32	ng	0.00
23) Nitrobenzene-d5	8.76	82	663847	82.51	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	562078	144.48	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1738917	81.64	ng	0.00
79) Terphenyl-d14	19.64	244	2742702	79.10	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	45846	16.882	ng	98
3) Pyridine	3.59	79	114986	18.529	ng	95
4) n-Nitrosodimethylamine	3.52	42	50422	22.069	ng	98
6) Aniline	6.95	93	199859	19.679	ng	99
8) 2-Chlorophenol	7.18	128	149407	21.209	ng	99
9) Benzaldehyde	6.76	77	97777	20.701	ng	98
10) Phenol	6.83	94	190046	22.144	ng	99
11) bis(2-Chloroethyl)ether	7.04	93	137250	19.579	ng	96
12) 1,3-Dichlorobenzene	7.49	146	154454	19.720	ng	98
13) 1,4-Dichlorobenzene	7.63	146	159107	19.728	ng	99
14) 1,2-Dichlorobenzene	7.95	146	153615	19.626	ng	99
15) Benzyl Alcohol	7.85	79	112850	19.256	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.12	45	207944	20.233	ng	99
17) 2-Methylphenol	8.06	107	129079	22.006	ng	99
18) Hexachloroethane	8.65	117	55900	19.785	ng	94
19) n-Nitroso-di-n-propylamine	8.40	70	116610	19.884	ng	98
20) 3+4-Methylphenols	8.39	107	178963	21.479	ng	99
22) Acetophenone	8.42	105	226440	20.246	ng	99
24) Nitrobenzene	8.80	77	168009	20.464	ng	98
25) Isophorone	9.31	82	323541	22.925	ng	99
26) 2-Nitrophenol	9.50	139	86389	19.992	ng	98
27) 2,4-Dimethylphenol	9.58	122	144501	23.783	ng	96
28) bis(2-Chloroethoxy)methane	9.79	93	203051	21.356	ng	98
29) 2,4-Dichlorophenol	10.05	162	150299	21.677	ng	98
30) 1,2,4-Trichlorobenzene	10.24	180	152289	19.320	ng	99
31) Naphthalene	10.42	128	481214	21.342	ng	99
32) Benzoic acid	9.74	122	66721	16.504	ng	100
33) 4-Chloroaniline	10.55	127	181711	18.238	ng	99
34) Hexachlorobutadiene	10.69	225	87339	18.568	ng	97
35) Caprolactam	11.32	113	53314	19.638	ng	97
36) 4-Chloro-3-methylphenol	11.69	107	166346	21.511	ng	99
37) 2-Methylnaphthalene	12.04	142	369067	22.904	ng	99
38) 1-Methylnaphthalene	12.26	142	351130	22.311	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	179837	18.815	ng	100

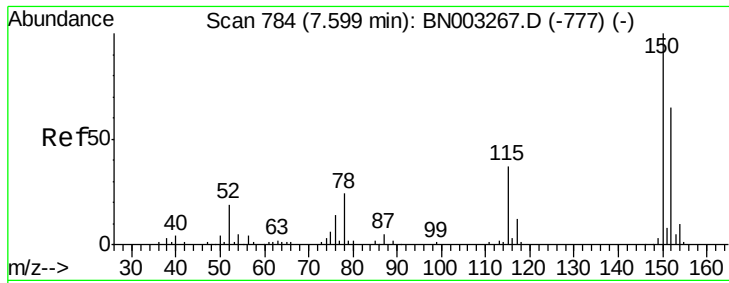
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003279.D
 Acq On : 24 Oct 2018 19:41
 Operator : MJ/SJ
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 QLast Update : Wed Oct 24 14:21:25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.39	237	61932	22.204	ng	98
43) 2,4,6-Trichlorophenol	12.68	196	123123	20.388	ng	99
44) 2,4,5-Trichlorophenol	12.76	196	132247	20.995	ng	99
46) 1,1'-Biphenyl	13.06	154	475278	18.743	ng	99
47) 2-Chloronaphthalene	13.11	162	364861	19.506	ng	99
48) 2-Nitroaniline	13.33	65	109580	19.938	ng	97
49) Acenaphthylene	13.96	152	616781	21.543	ng	99
50) Dimethylphthalate	13.70	163	483987	20.717	ng	99
51) 2,6-Dinitrotoluene	13.83	165	110174	20.779	ng	97
52) Acenaphthene	14.30	154	358836	20.686	ng	100
53) 3-Nitroaniline	14.17	138	96498	17.025	ng	98
54) 2,4-Dinitrophenol	14.41	184	50577	21.703	ng	94
55) Dibenzofuran	14.65	168	578167	20.486	ng	99
56) 4-Nitrophenol	14.53	139	66101	20.503	ng	95
57) 2,4-Dinitrotoluene	14.65	165	150942	20.995	ng	98
58) Fluorene	15.30	166	473622	21.748	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.89	232	119521	21.608	ng	98
60) Diethylphthalate	15.07	149	487028	20.544	ng	98
61) 4-Chlorophenyl-phenylether	15.29	204	238882	19.743	ng	99
62) 4-Nitroaniline	15.35	138	113817	20.554	ng	96
63) Azobenzene	15.59	77	459098	20.955	ng	99
65) 4,6-Dinitro-2-methylphenol	15.42	198	86212	18.050	ng	99
66) n-Nitrosodiphenylamine	15.52	169	420622	19.629	ng	99
67) 4-Bromophenyl-phenylether	16.19	248	149213	19.355	ng	95
68) Hexachlorobenzene	16.31	284	169355	19.283	ng	99
69) Atrazine	16.47	200	155626	20.492	ng	97
70) Pentachlorophenol	16.67	266	51532	17.200	ng	95
71) Phenanthrene	17.04	178	767422	21.325	ng	99
72) Anthracene	17.13	178	783991	21.832	ng	100
73) Carbazole	17.42	167	716257	19.260	ng	99
74) Di-n-butylphthalate	17.97	149	875337	20.179	ng	99
75) Fluoranthene	19.07	202	906995	21.393	ng	99
77) Benzidine	19.26	184	303928	14.001	ng	99
78) Pyrene	19.43	202	923703	21.196	ng	99
80) Butylbenzylphthalate	20.34	149	409705	20.247	ng	98
81) Benzo(a)anthracene	21.19	228	922446	21.363	ng	99
82) 3,3'-Dichlorobenzidine	21.13	252	304837	17.059	ng	99
83) Chrysene	21.25	228	876467	21.115	ng	100
84) Bis(2-ethylhexyl)phthalate	21.12	149	610163	20.333	ng	100
85) Di-n-octyl phthalate	21.99	149	1045311	20.299	ng	100
86) Indeno(1,2,3-cd)pyrene	25.62	276	935670	19.669	ng	100
88) Benzo(b)fluoranthene	22.75	252	902369	22.112	ng	99
89) Benzo(k)fluoranthene	22.80	252	893298	22.319	ng	100
90) Benzo(a)pyrene	23.32	252	871688	22.413	ng	98
91) Dibenzo(a,h)anthracene	25.62	278	792670	20.591	ng	98
92) Benzo(g,h,i)perylene	26.29	276	763597	20.662	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

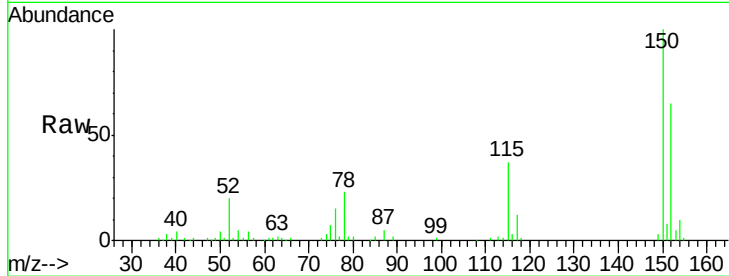


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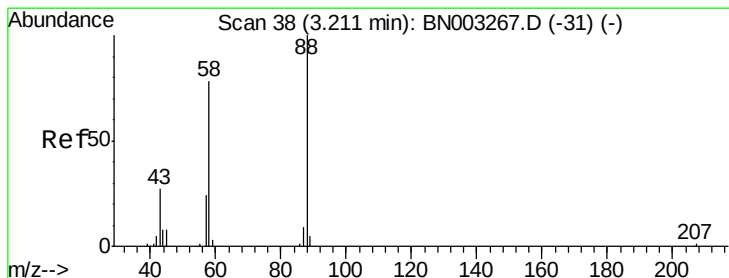
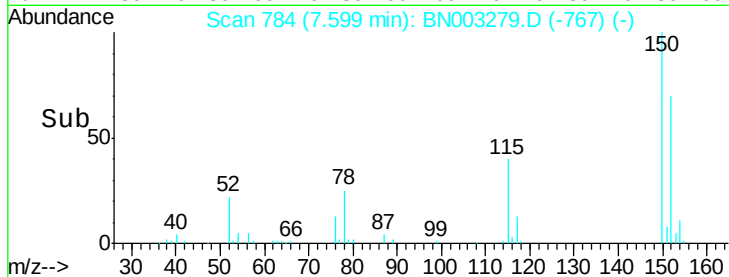
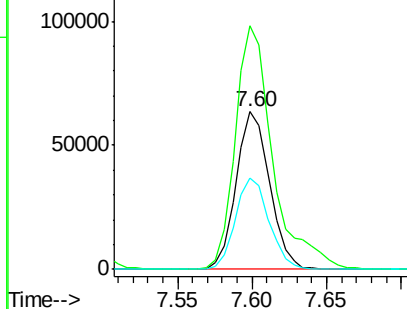
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 784
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:152 Resp: 99619
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 57.7 45.9 68.9



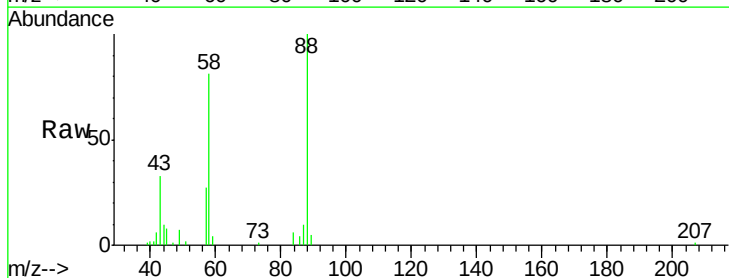
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



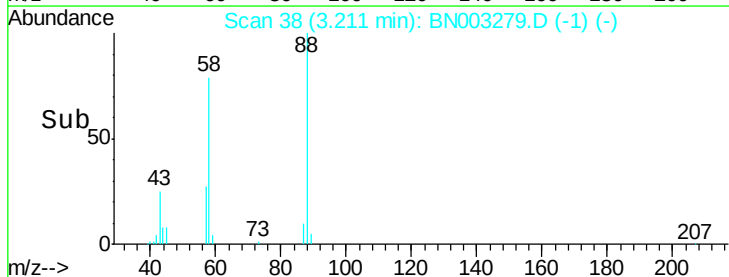
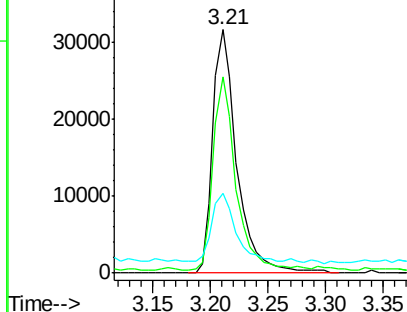
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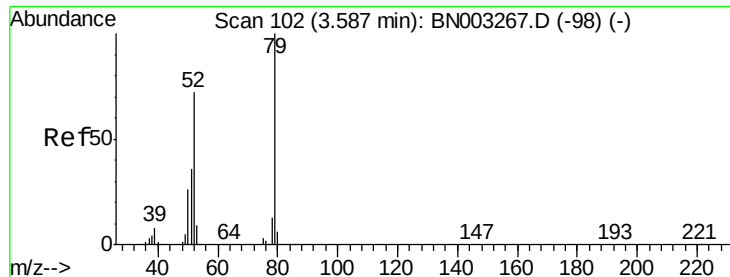
1,4-Dioxane
Concen: 16.882 ng
RT: 3.21 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion: 88 Resp: 45846
Ion Ratio Lower Upper
88 100
58 74.9 61.1 91.7
43 27.2 22.2 33.4



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC

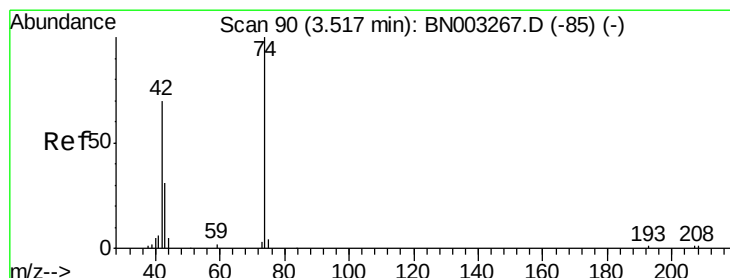
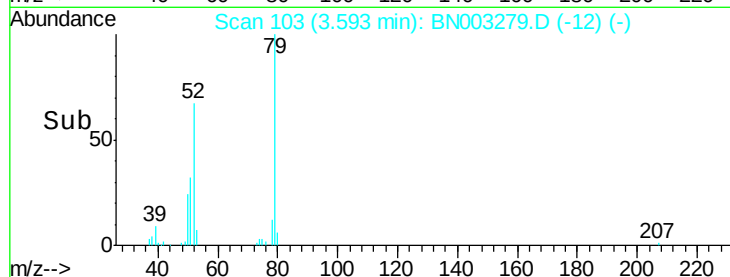
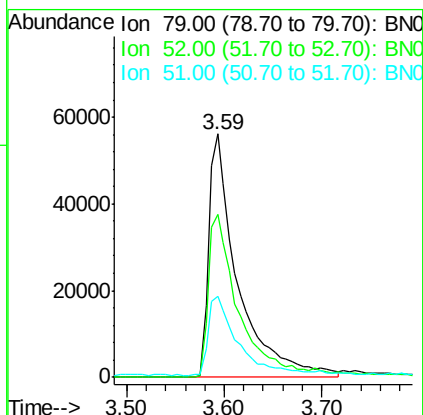
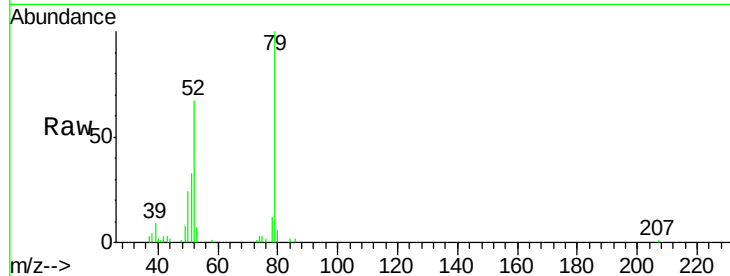




#3
 Pyridine
 Concen: 18.529 ng
 RT: 3.59 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

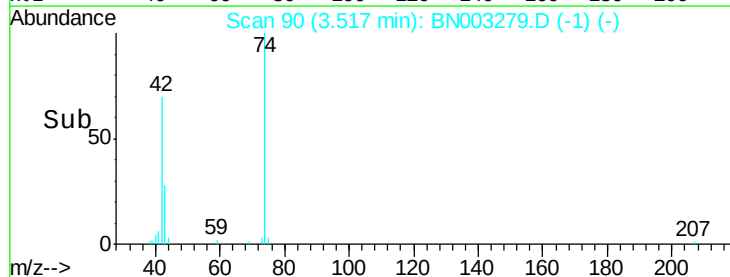
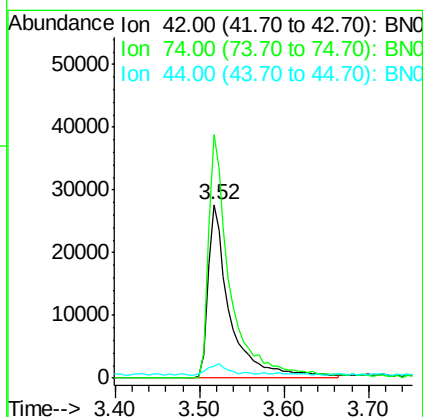
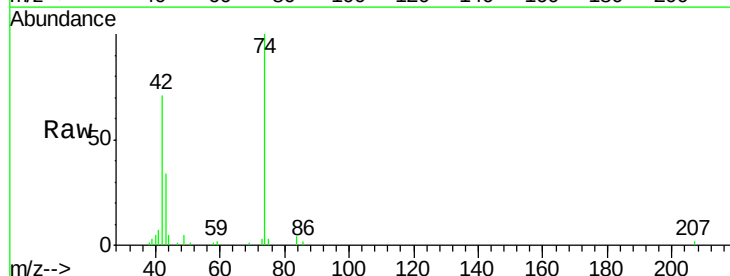
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

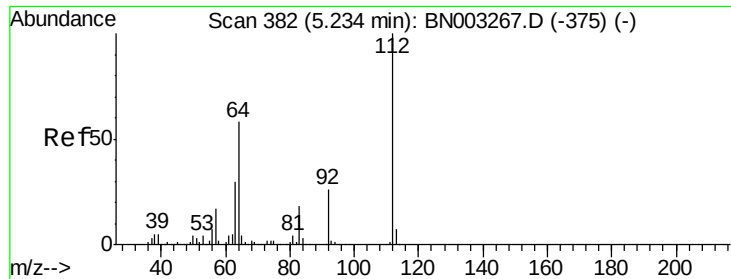
Tgt Ion: 79 Resp: 114986
 Ion Ratio Lower Upper
 79 100
 52 67.1 57.7 86.5
 51 33.4 28.7 43.1



#4
 n-Nitrosodimethylamine
 Concen: 22.069 ng
 RT: 3.52 min Scan# 90
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion: 42 Resp: 50422
 Ion Ratio Lower Upper
 42 100
 74 140.2 114.2 171.4
 44 6.6 6.1 9.1





#5

2-Fluorophenol

Concen: 148.365 ng

RT: 5.23 min Scan# 382

Delta R.T. 0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

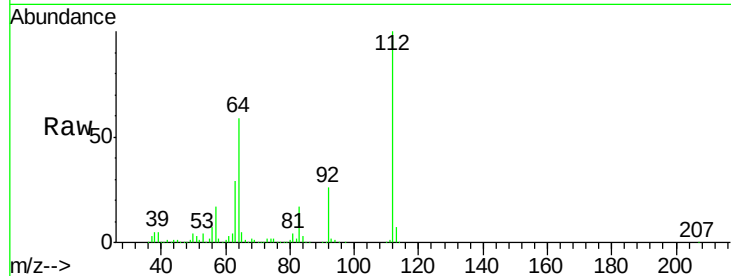
Tgt Ion: 112 Resp: 848574

Ion Ratio Lower Upper

112 100

64 58.9 46.6 69.8

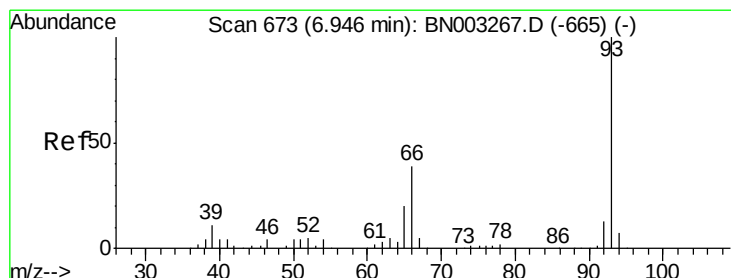
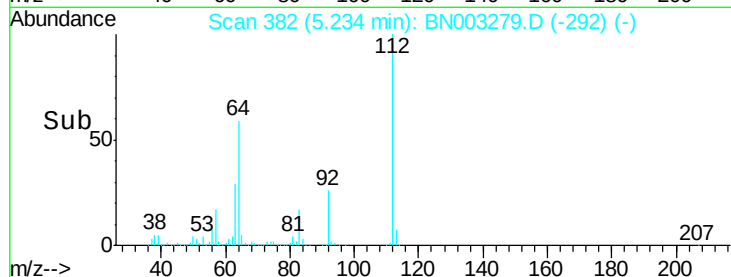
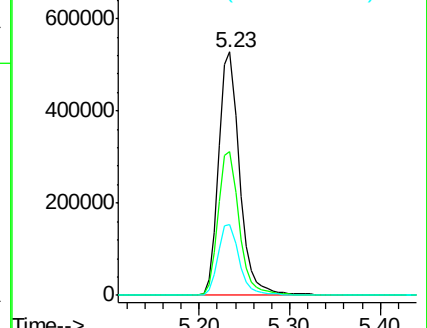
63 29.3 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 19.679 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

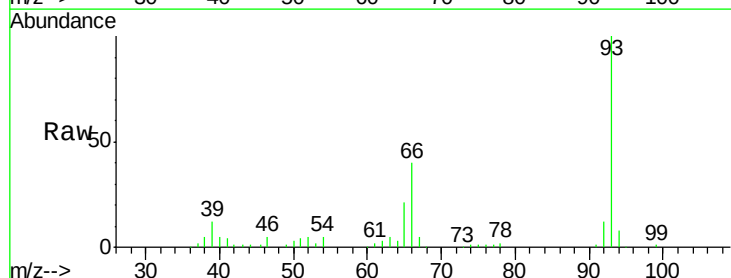
Tgt Ion: 93 Resp: 199859

Ion Ratio Lower Upper

93 100

66 39.7 31.4 47.0

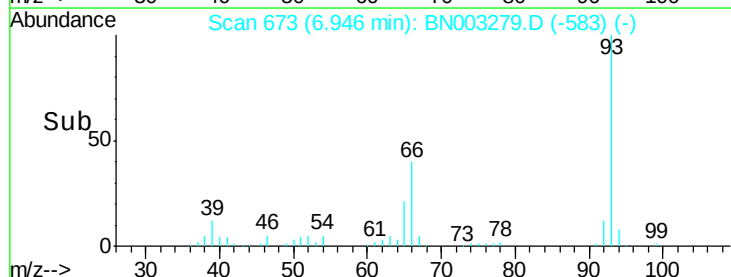
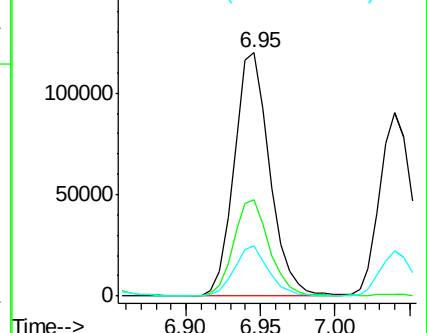
65 20.5 15.7 23.5

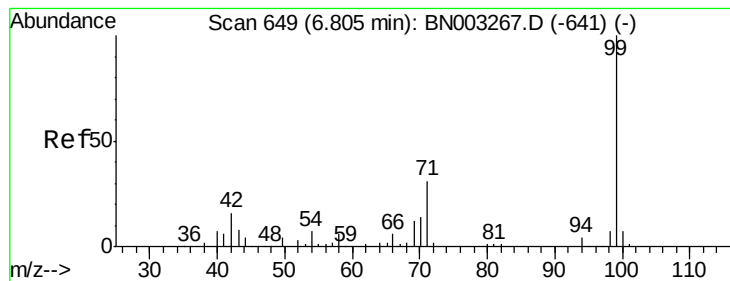


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 148.317 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

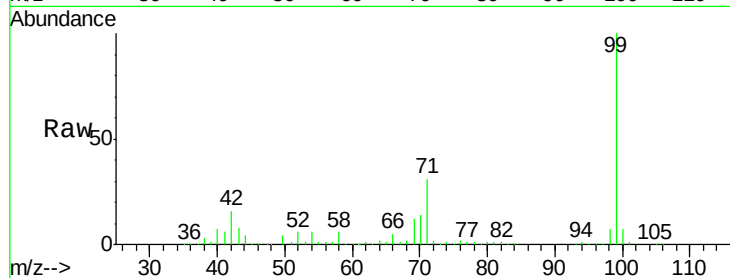
Tgt Ion: 99 Resp: 1206237

Ion Ratio Lower Upper

99 100

42 16.2 13.0 19.6

71 31.0 24.5 36.7

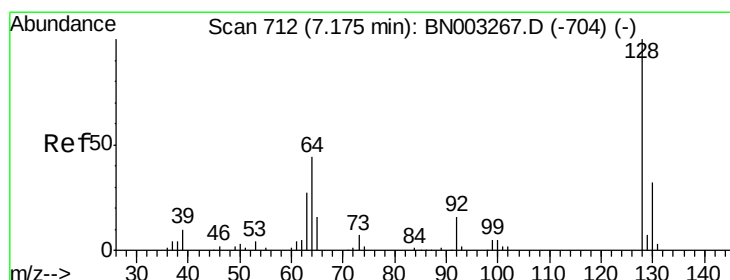
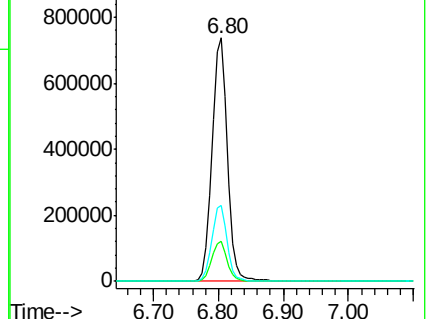
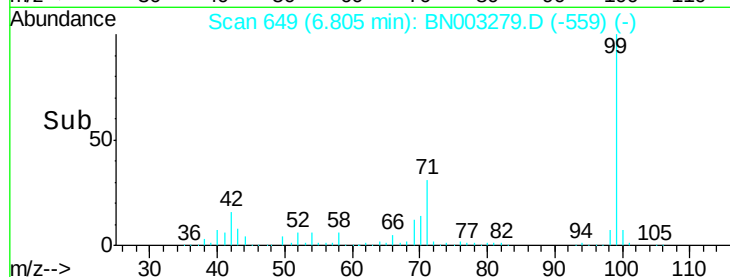


Abundance Ion 99.00 (98.70 to 99.70): BN003267.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BN003267.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BN003267.D (-641) (-)

Time-->



#8

2-Chlorophenol

Concen: 21.209 ng

RT: 7.18 min Scan# 712

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

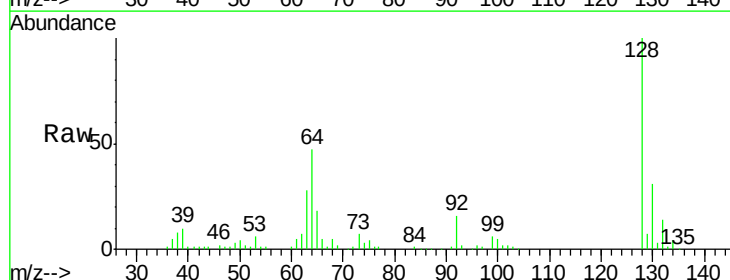
Tgt Ion: 128 Resp: 149407

Ion Ratio Lower Upper

128 100

130 31.3 12.4 52.4

64 47.2 27.0 67.0

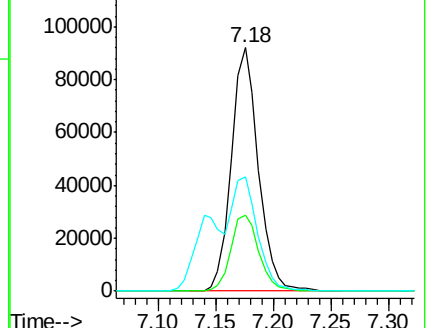
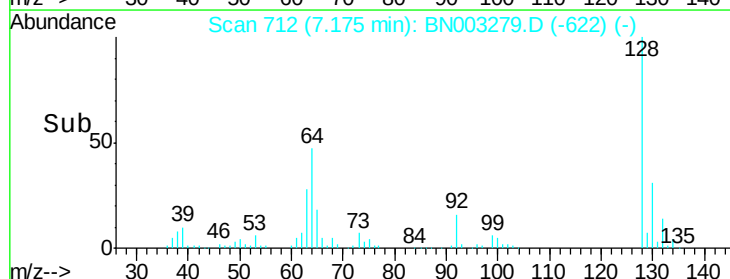


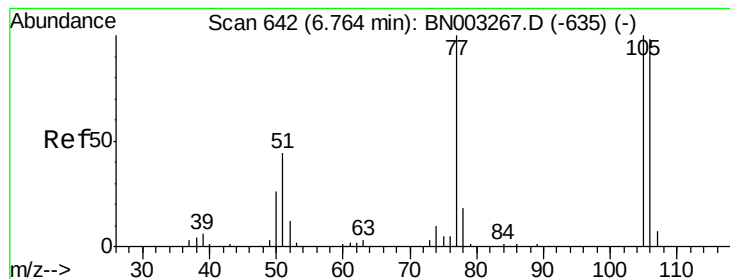
Abundance Ion 128.00 (127.70 to 128.70): BN003267.D (-704) (-)

Ion 130.00 (129.70 to 130.70): BN003267.D (-704) (-)

Ion 64.00 (63.70 to 64.70): BN003267.D (-704) (-)

Time-->





#9

Benzaldehyde

Concen: 20.701 ng

RT: 6.76 min Scan# 642

Delta R.T. 0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

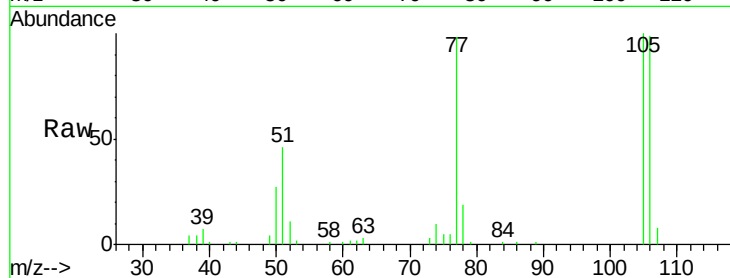
Tgt Ion: 77 Resp: 97777

Ion Ratio Lower Upper

77 100

105 101.5 79.9 119.9

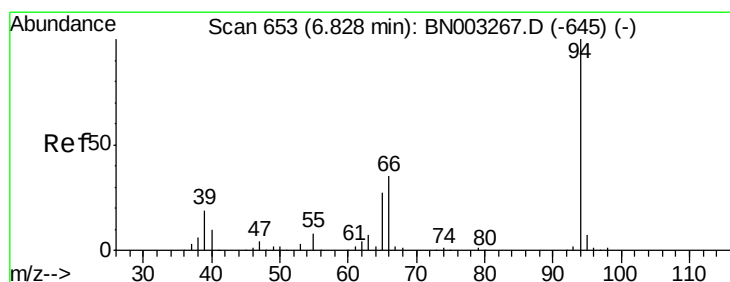
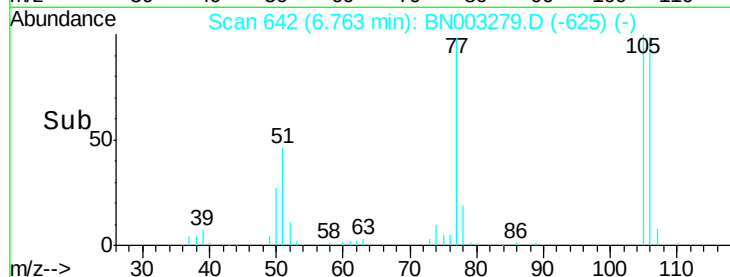
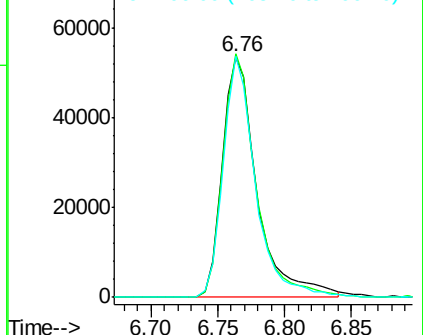
106 100.6 78.4 118.4



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#10

Phenol

Concen: 22.144 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

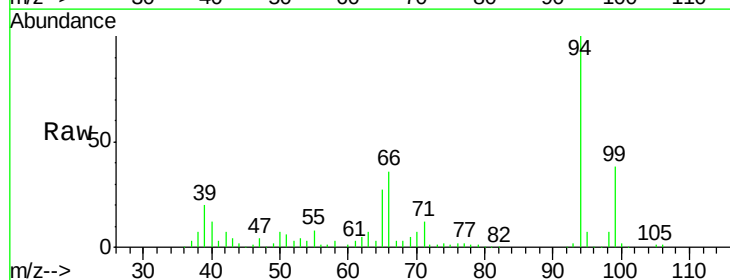
Tgt Ion: 94 Resp: 190046

Ion Ratio Lower Upper

94 100

65 26.6 7.7 47.7

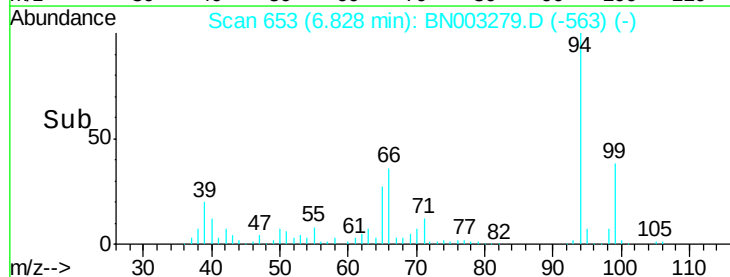
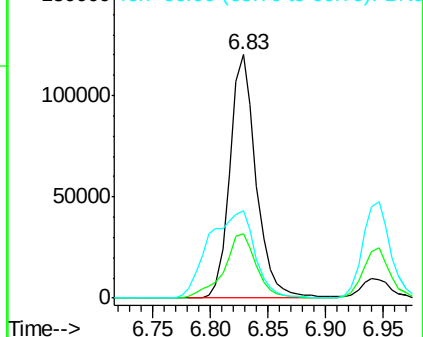
66 35.7 15.8 55.8

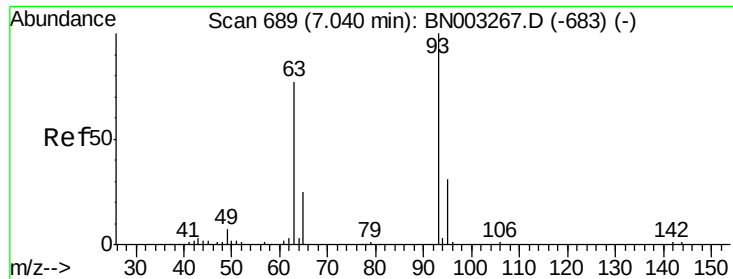


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0

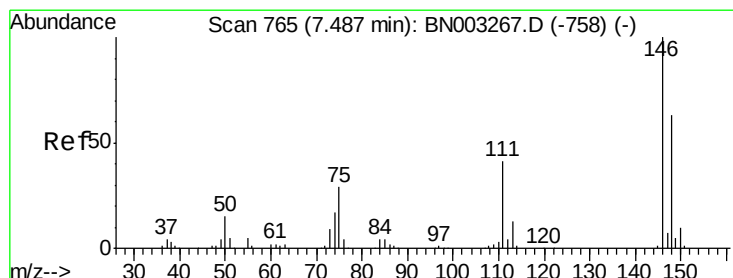
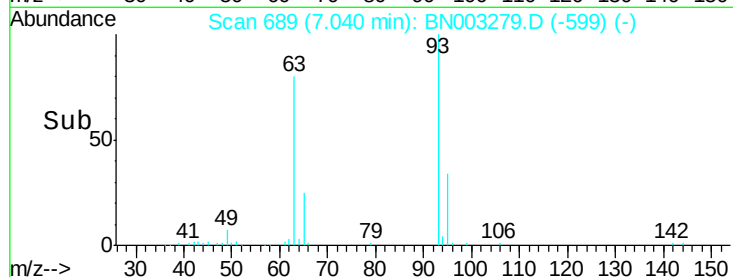
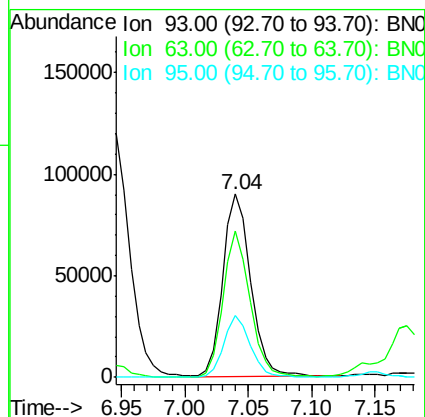
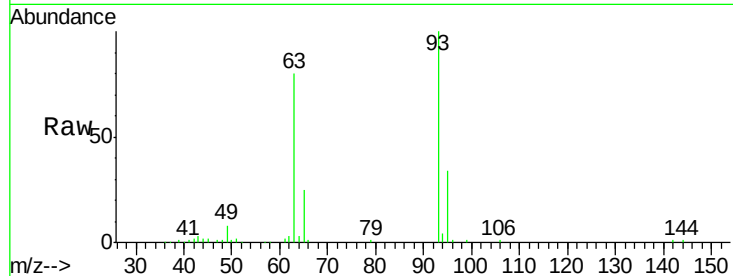




#11
bis(2-Chloroethyl)ether
Concen: 19.579 ng
RT: 7.04 min Scan# 689
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

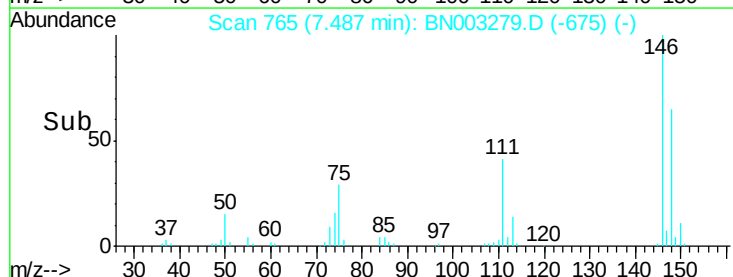
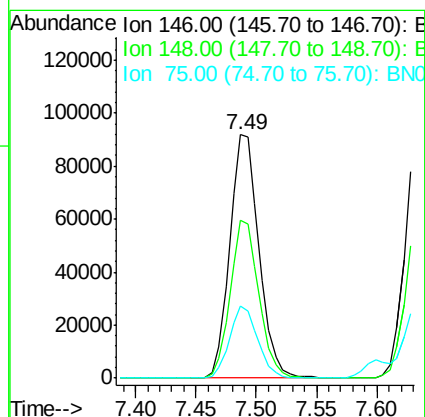
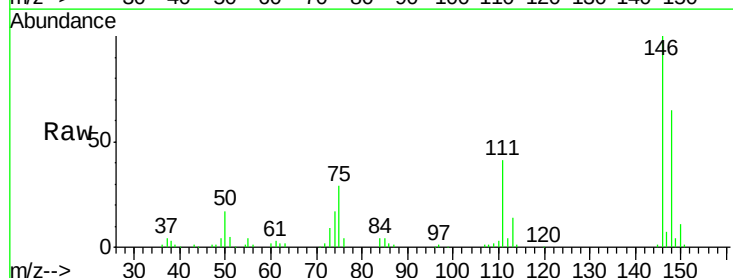
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

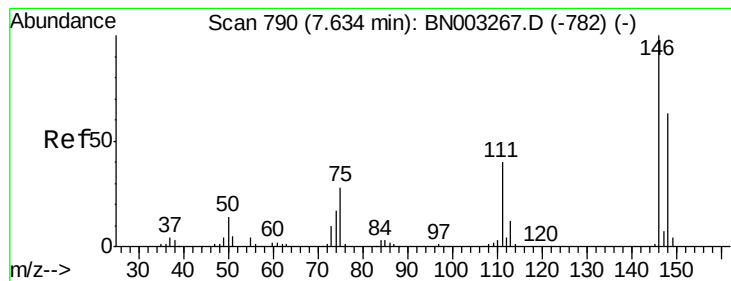
Tgt Ion: 93 Resp: 137250
Ion Ratio Lower Upper
93 100
63 80.0 56.6 96.6
95 33.5 10.9 50.9



#12
1,3-Dichlorobenzene
Concen: 19.720 ng
RT: 7.49 min Scan# 765
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion: 146 Resp: 154454
Ion Ratio Lower Upper
146 100
148 64.6 50.1 75.1
75 29.5 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 19.728 ng

RT: 7.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

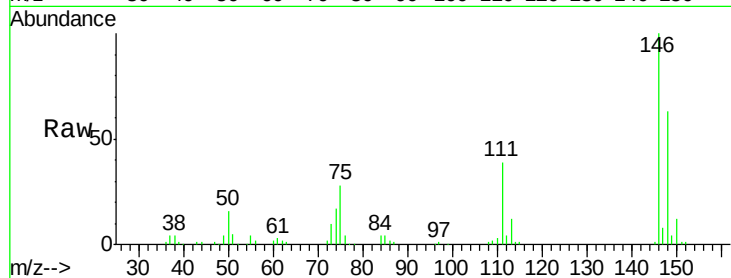
Tgt Ion:146 Resp: 159107

Ion Ratio Lower Upper

146 100

148 63.0 50.2 75.2

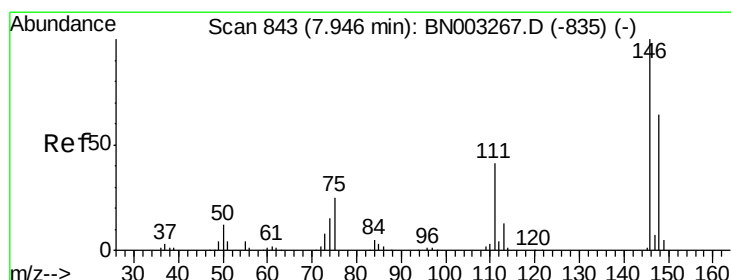
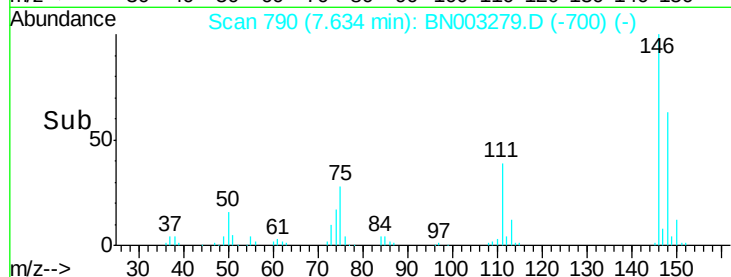
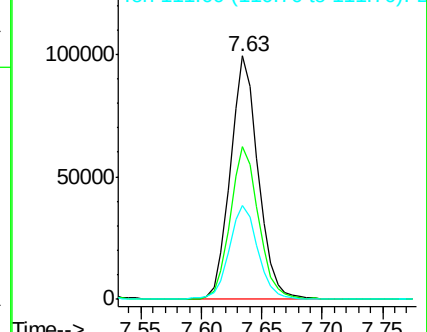
111 38.8 32.1 48.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 19.626 ng

RT: 7.95 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

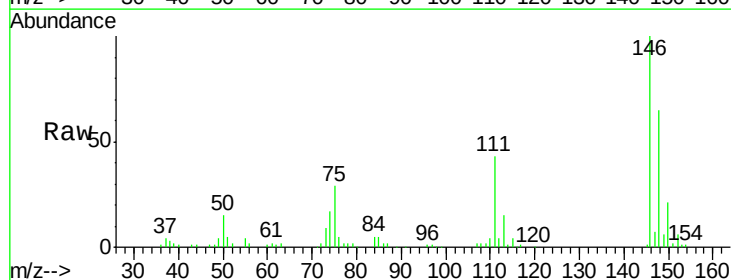
Tgt Ion:146 Resp: 153615

Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

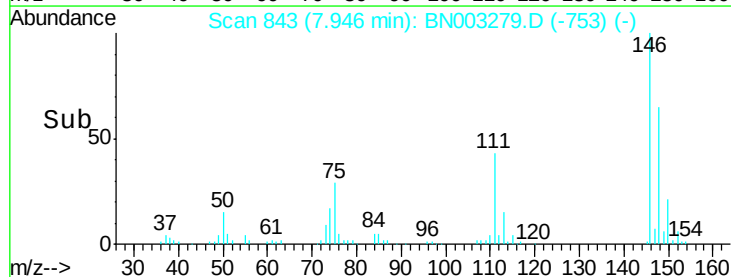
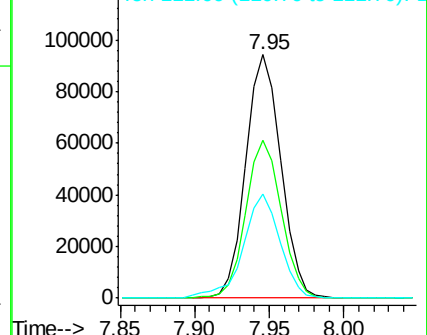
111 42.6 33.1 49.7

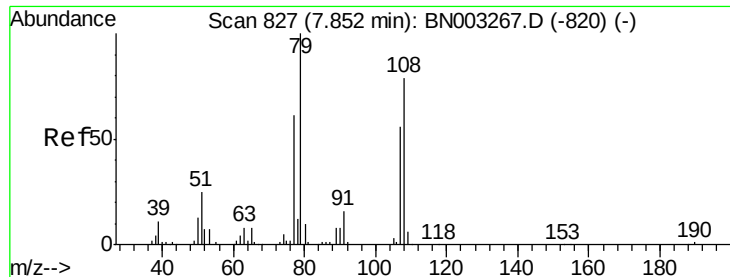


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 19.256 ng

RT: 7.85 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

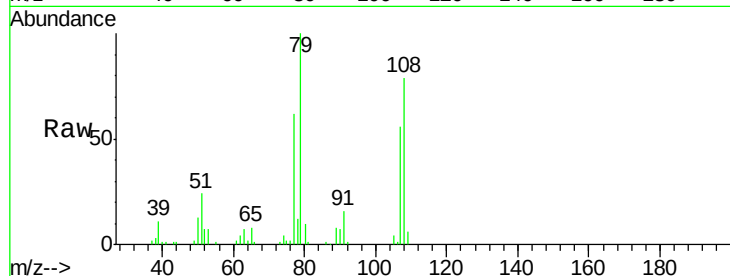
Tgt Ion: 79 Resp: 112850

Ion Ratio Lower Upper

79 100

108 79.1 63.3 94.9

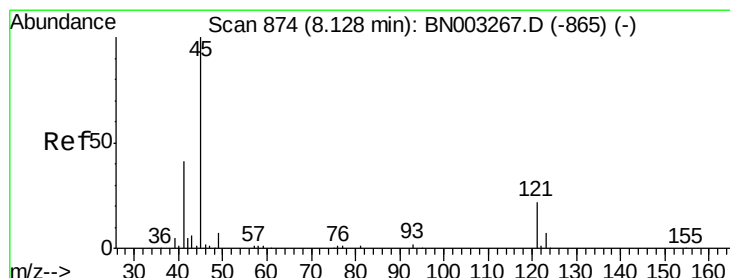
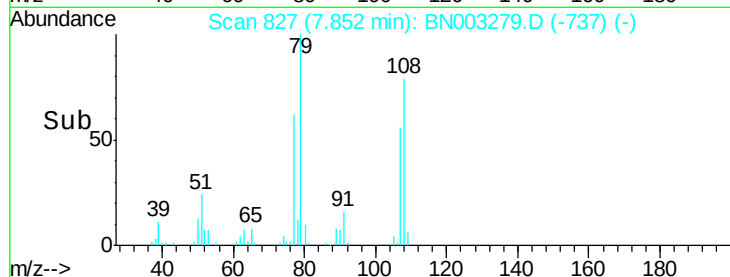
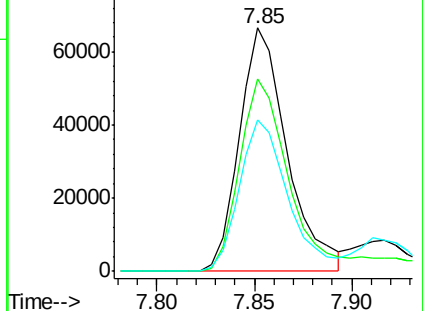
77 62.2 49.0 73.6



Abundance Ion 79.00 (78.70 to 79.70): BNC

Ion 108.00 (107.70 to 108.70): BNC

Ion 77.00 (76.70 to 77.70): BNC



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.233 ng

RT: 8.12 min Scan# 873

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

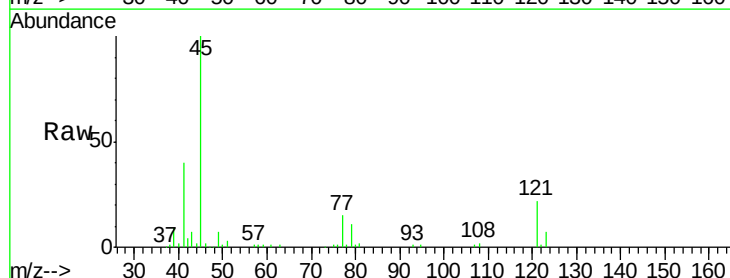
Tgt Ion: 45 Resp: 207944

Ion Ratio Lower Upper

45 100

77 14.5 0.0 34.0

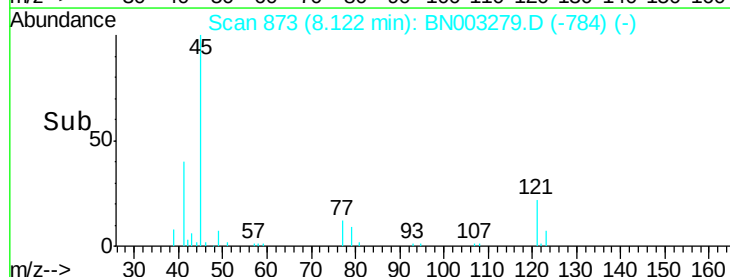
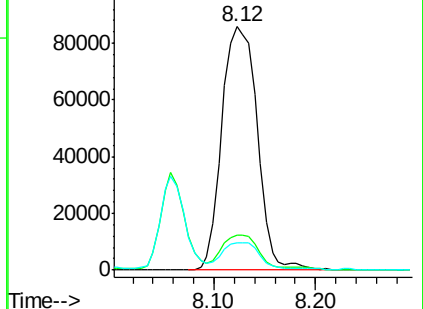
79 11.3 0.0 30.9

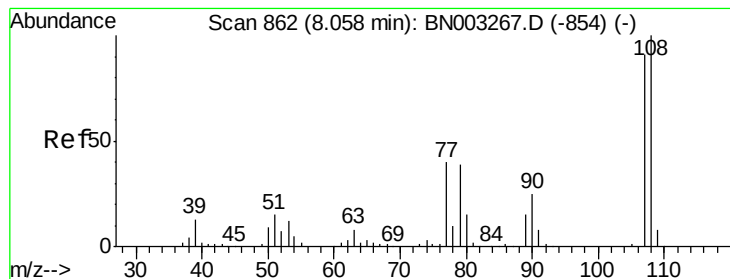


Abundance Ion 45.00 (44.70 to 45.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC





#17

2-Methylphenol

Concen: 22.006 ng

RT: 8.06 min Scan# 862

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:107 Resp: 129079

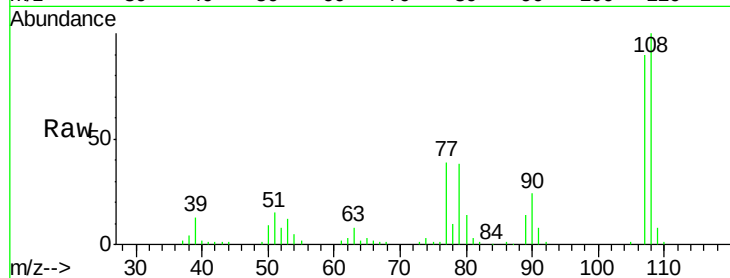
Ion Ratio Lower Upper

107 100

108 110.7 87.6 131.4

77 43.6 35.3 52.9

79 41.8 34.2 51.4

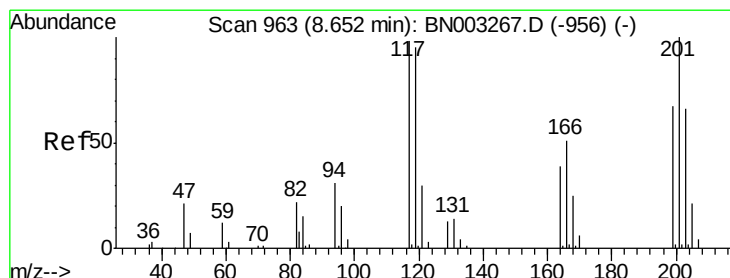
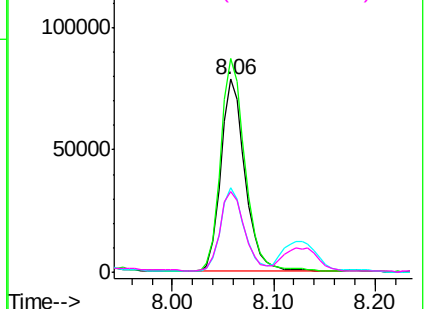
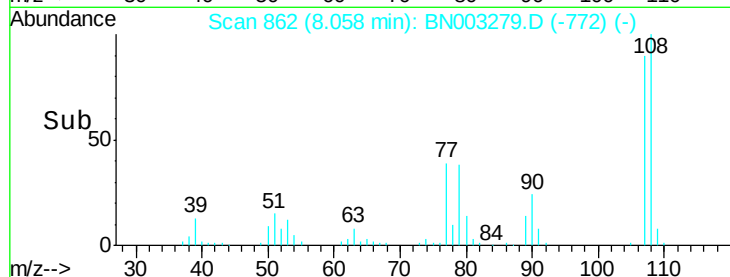


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 19.785 ng

RT: 8.65 min Scan# 963

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

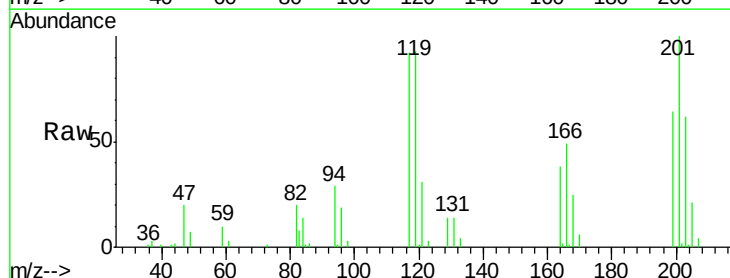
Tgt Ion:117 Resp: 55900

Ion Ratio Lower Upper

117 100

119 101.4 77.8 116.6

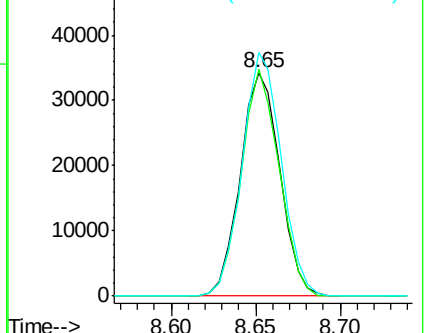
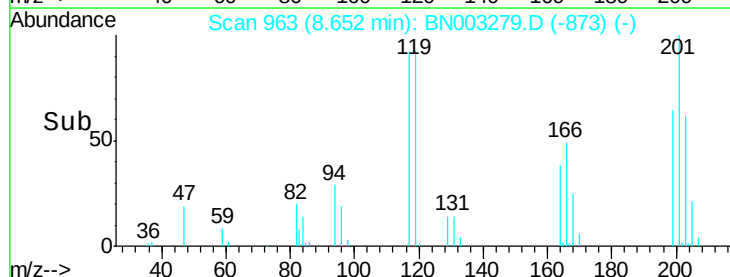
201 108.9 81.4 122.2

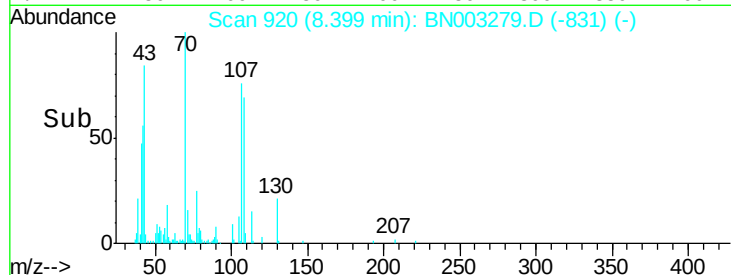
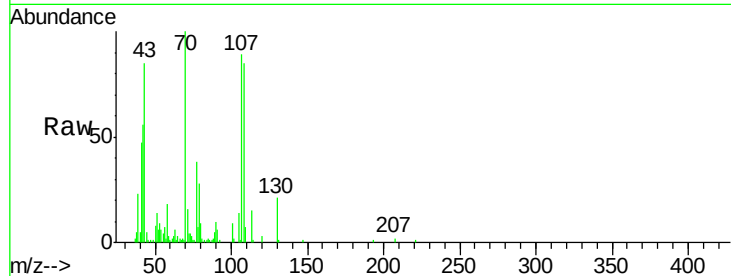
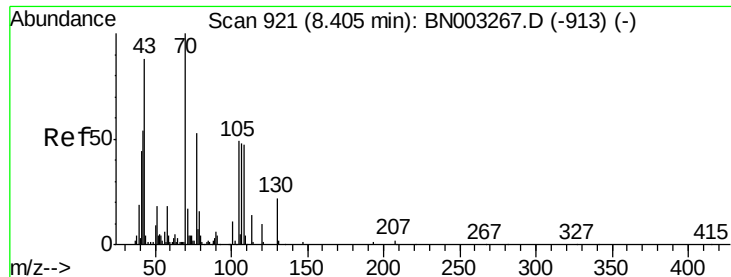


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

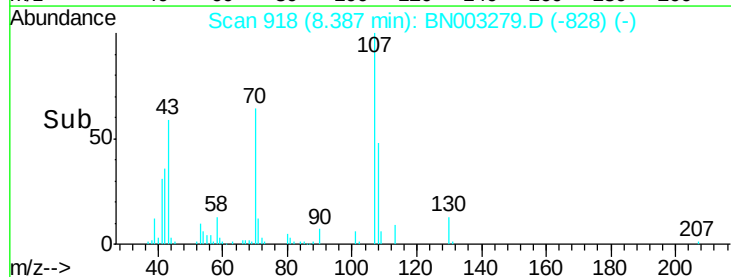
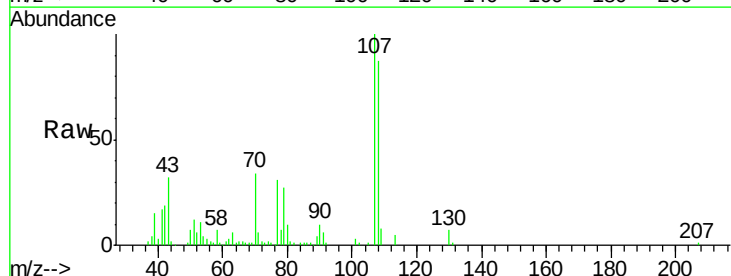
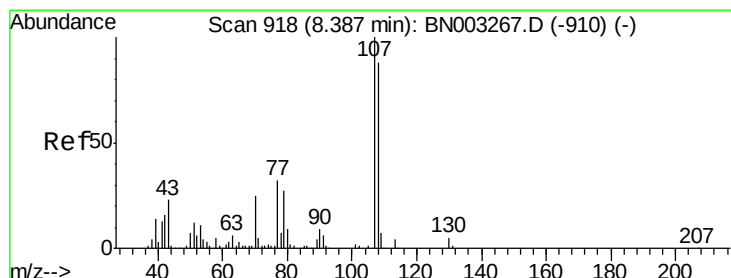
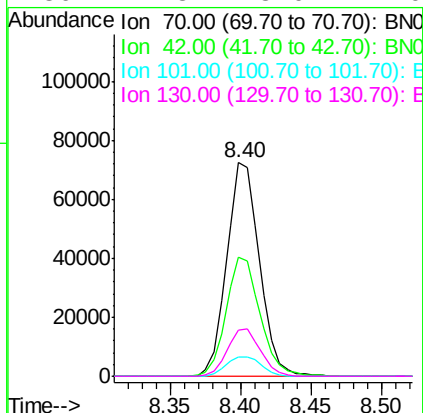




#19
n-Nitroso-di-n-propylamine
Concen: 19.884 ng
RT: 8.40 min Scan# 920
Delta R.T. -0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

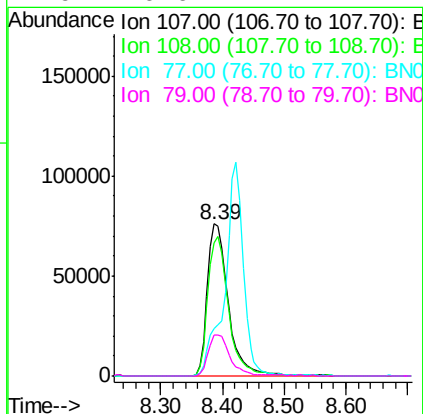
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

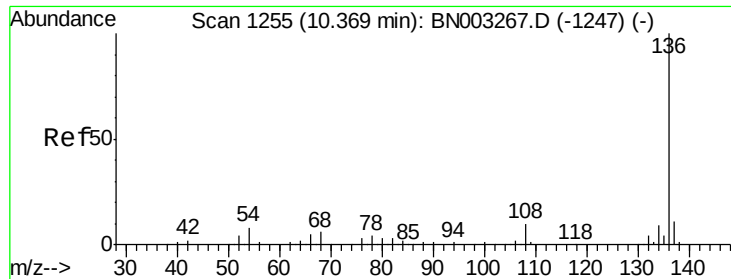
Tgt Ion:	70	Resp:	116610
Ion	Ratio	Lower	Upper
70	100		
42	55.9	43.5	65.3
101	9.0	8.6	12.8
130	21.3	18.0	27.0



#20
3+4-Methylphenols
Concen: 21.479 ng
RT: 8.39 min Scan# 918
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:	107	Resp:	178963
Ion	Ratio	Lower	Upper
107	100		
108	87.5	67.8	107.8
77	31.3	12.1	52.1
79	26.6	7.2	47.2

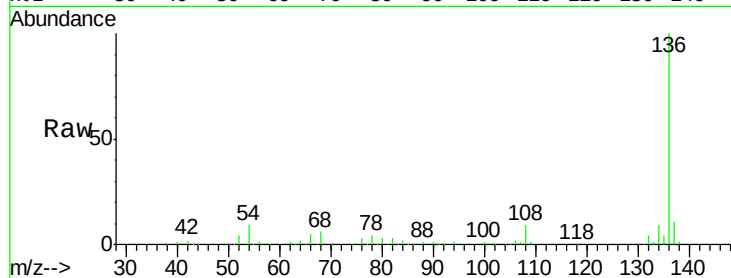




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:	136	Resp:	461412
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.9	6.6	10.0
68	6.5	4.6	7.0



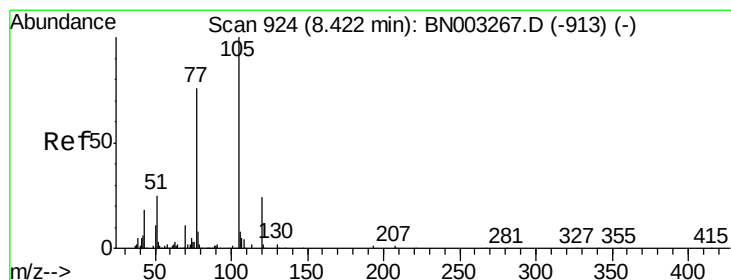
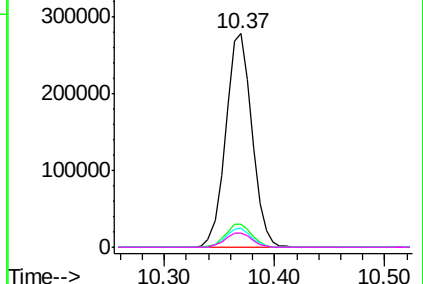
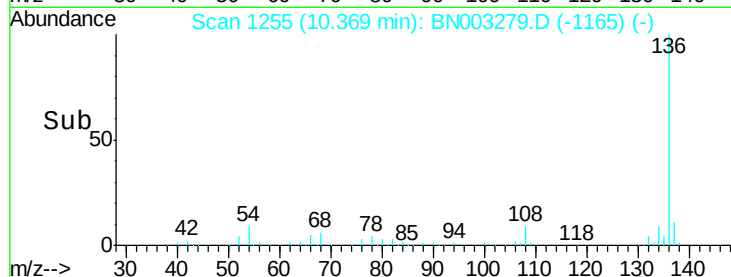
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

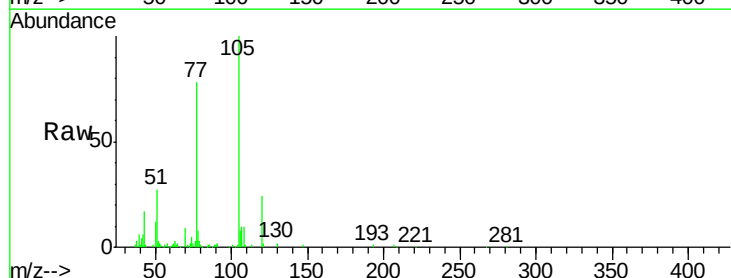
Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#22
Acetophenone
Concen: 20.246 ng
RT: 8.42 min Scan# 924
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:	105	Resp:	226440
Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.3	1.9
51	26.6	20.5	30.7
120	23.5	19.0	28.6



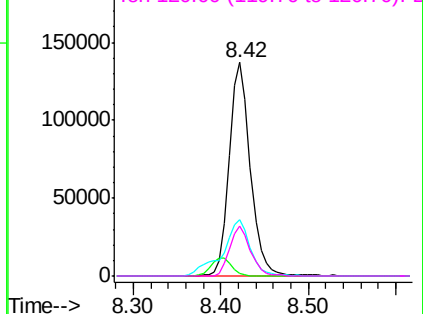
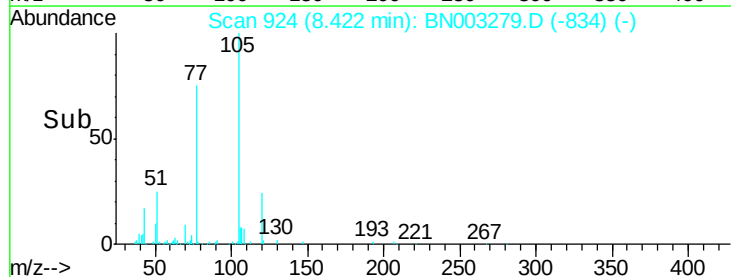
Abundance

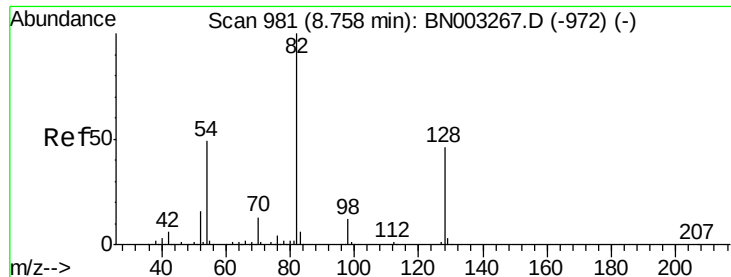
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 82.510 ng

RT: 8.76 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

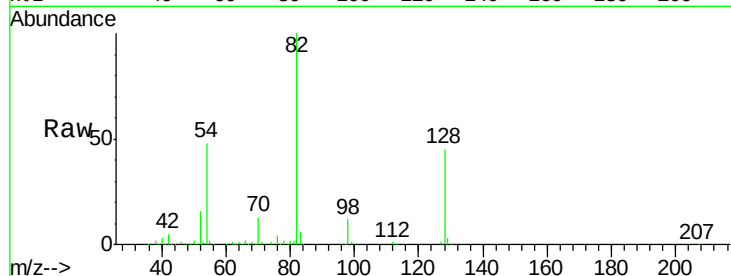
Tgt Ion: 82 Resp: 663847

Ion Ratio Lower Upper

82 100

128 45.4 37.1 55.7

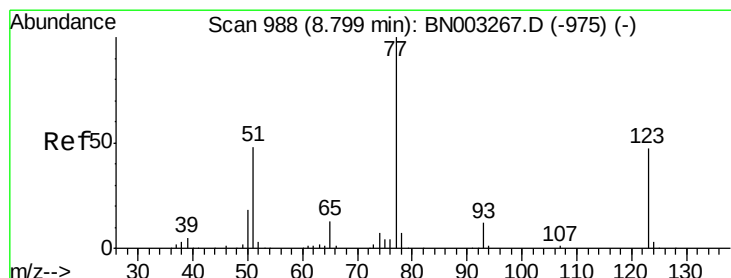
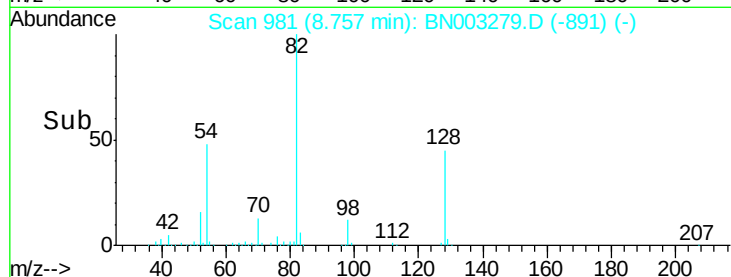
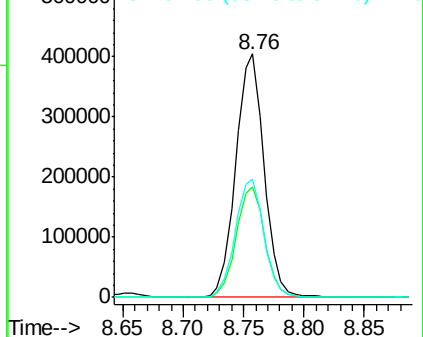
54 48.4 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): BN0

Ion 54.00 (53.70 to 54.70): BN0



#24

Nitrobenzene

Concen: 20.464 ng

RT: 8.80 min Scan# 988

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

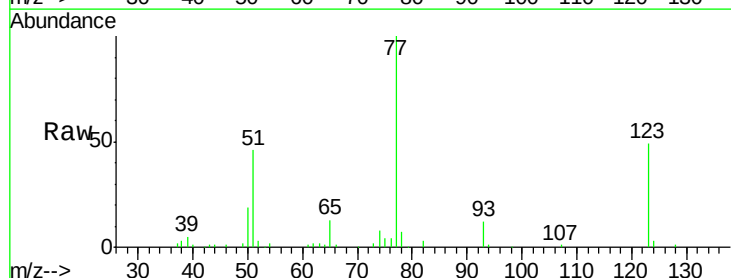
Tgt Ion: 77 Resp: 168009

Ion Ratio Lower Upper

77 100

123 48.7 37.8 56.6

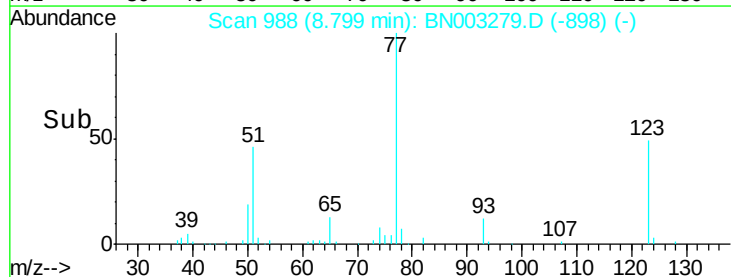
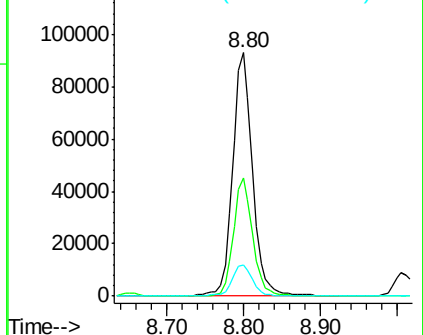
65 12.8 10.7 16.1

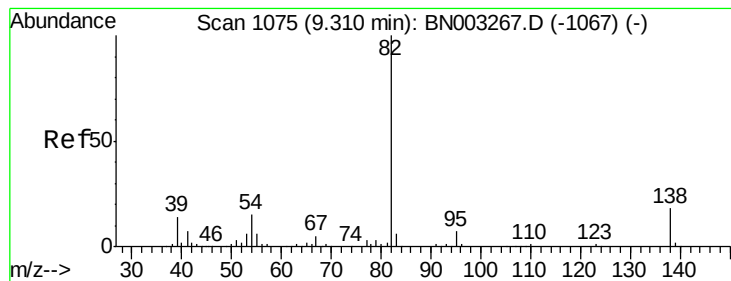


Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): BN0

Ion 65.00 (64.70 to 65.70): BN0





#25

Isophorone

Concen: 22.925 ng

RT: 9.31 min Scan# 1075

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

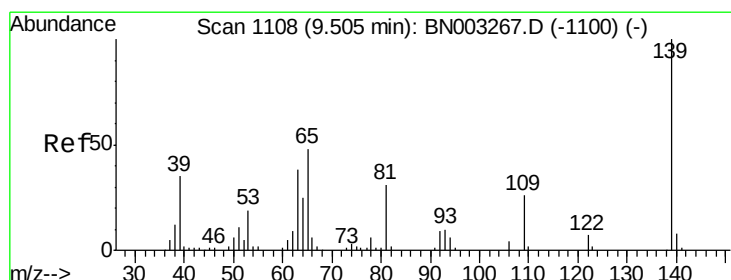
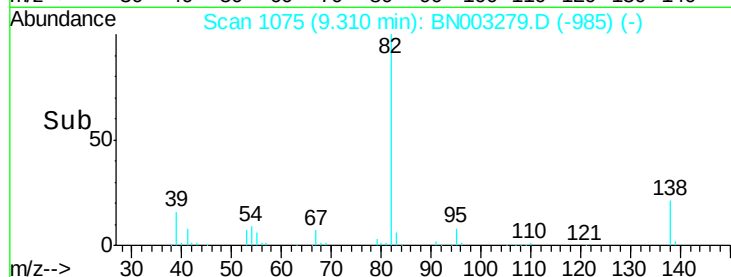
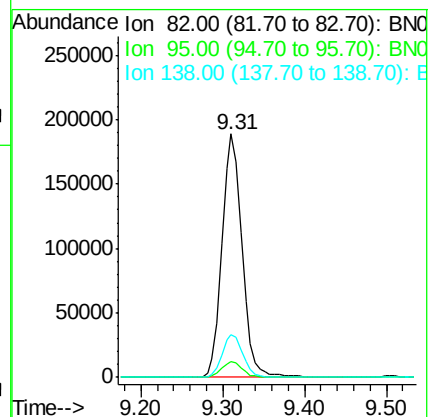
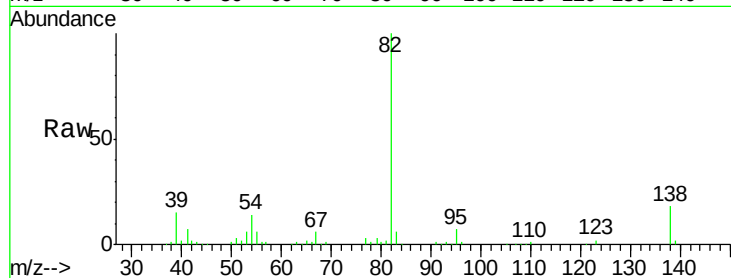
Tgt Ion: 82 Resp: 323541

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

138 17.8 14.5 21.7



#26

2-Nitrophenol

Concen: 19.992 ng

RT: 9.50 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

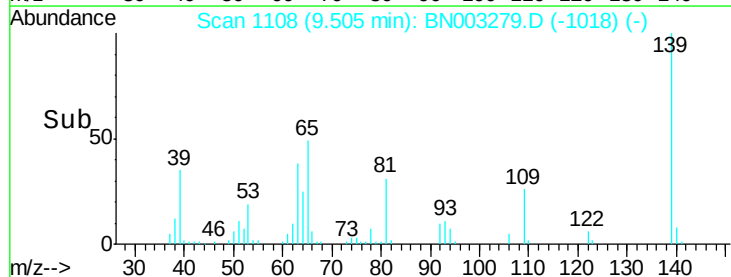
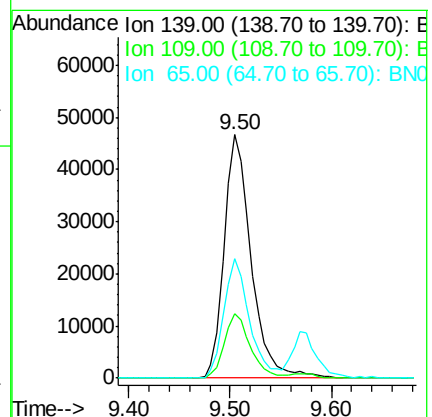
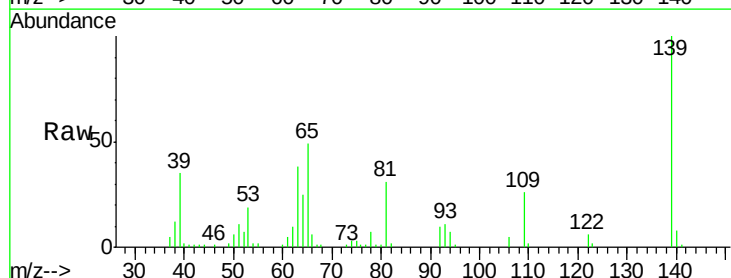
Tgt Ion: 139 Resp: 86389

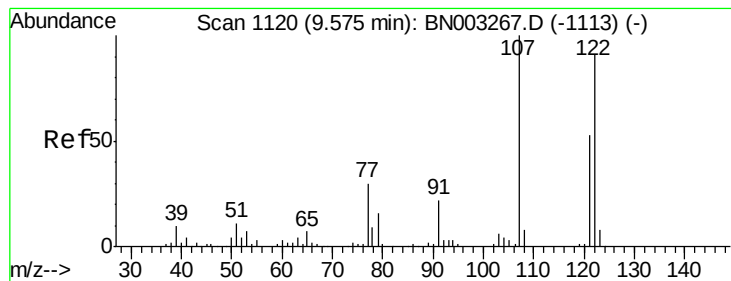
Ion Ratio Lower Upper

139 100

109 26.5 20.5 30.7

65 49.0 38.4 57.6





#27

2,4-Dimethylphenol

Concen: 23.783 ng

RT: 9.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

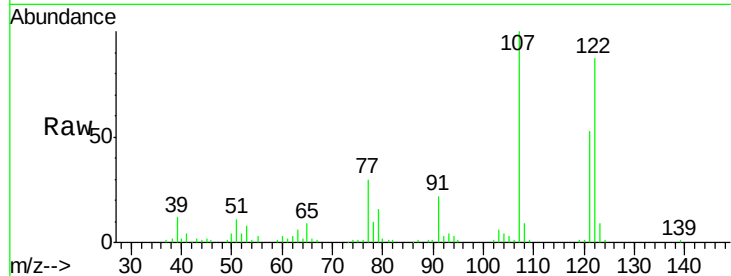
Tgt Ion:122 Resp: 144501

Ion Ratio Lower Upper

122 100

107 114.7 87.8 131.6

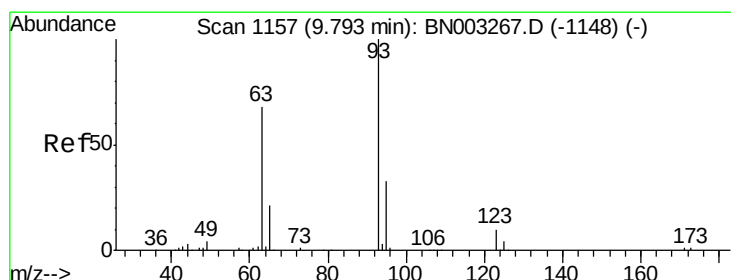
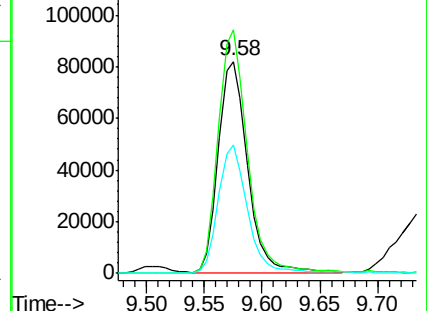
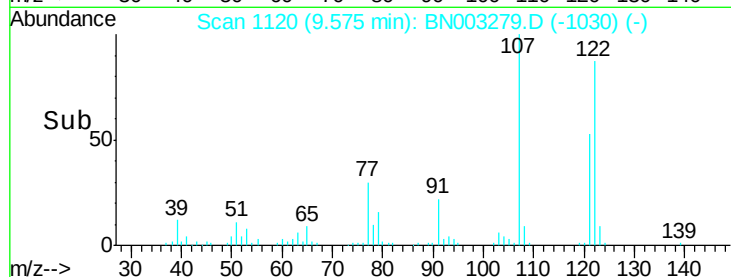
121 60.6 46.9 70.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.356 ng

RT: 9.79 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

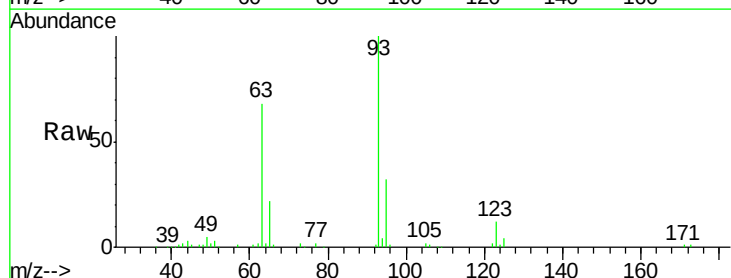
Tgt Ion: 93 Resp: 203051

Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

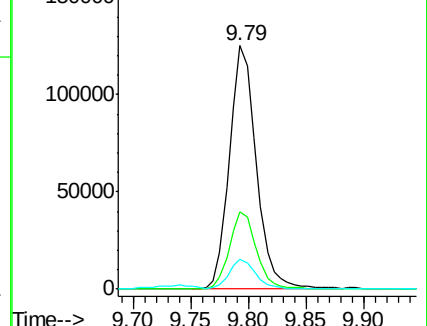
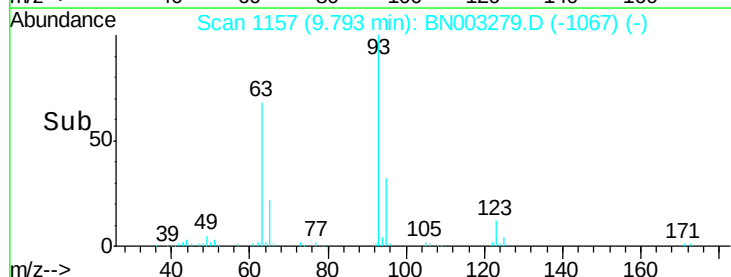
123 12.0 9.1 13.7

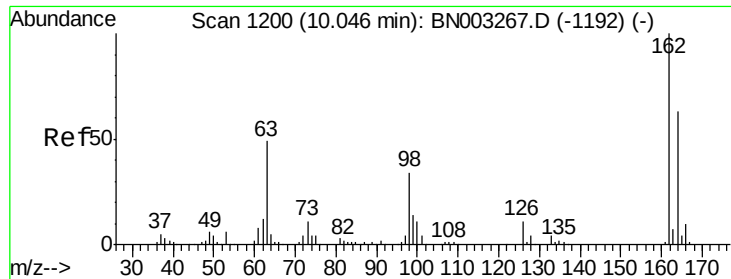


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

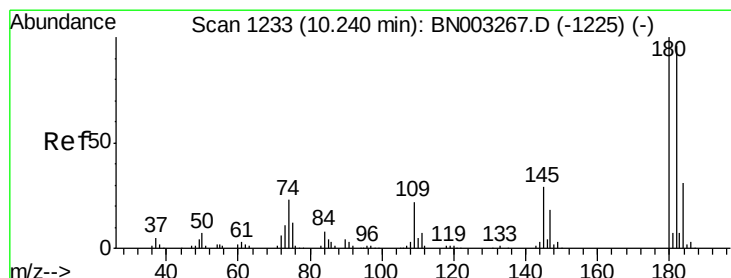
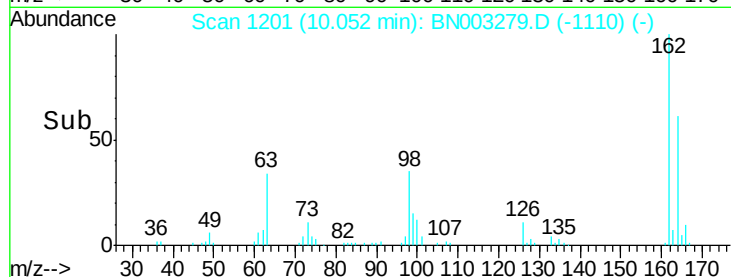
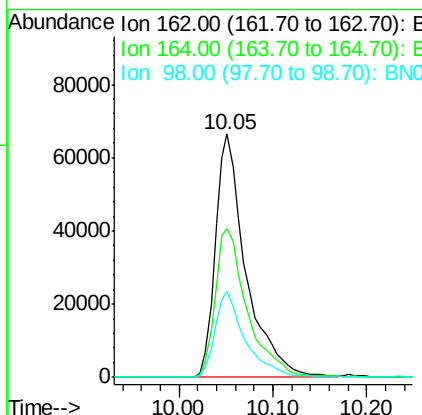
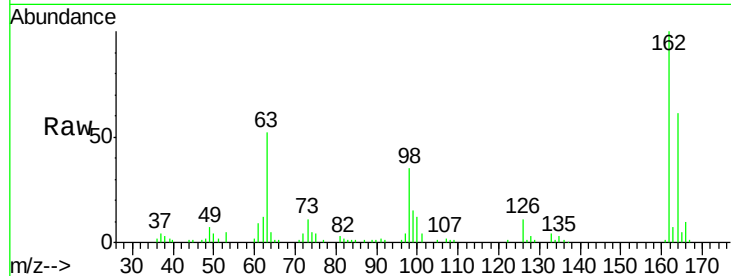




#29
2,4-Dichlorophenol
Concen: 21.677 ng
RT: 10.05 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

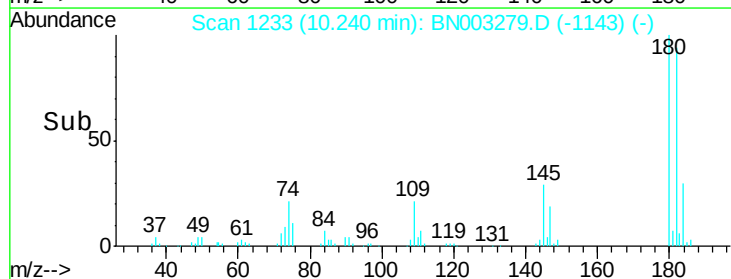
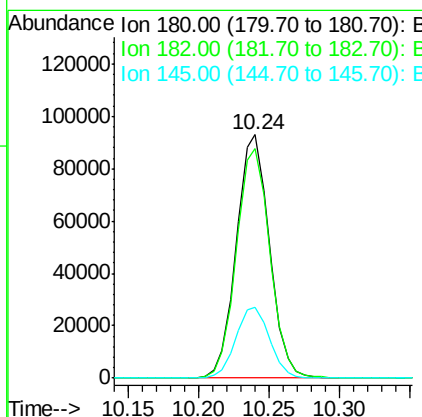
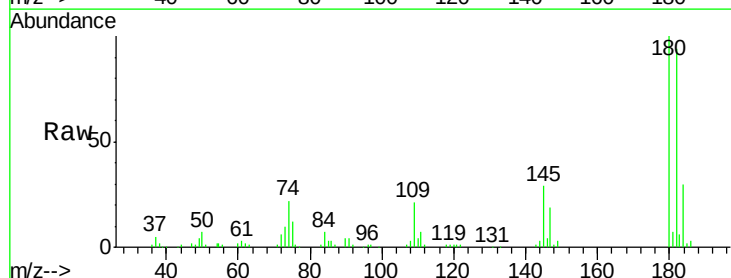
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

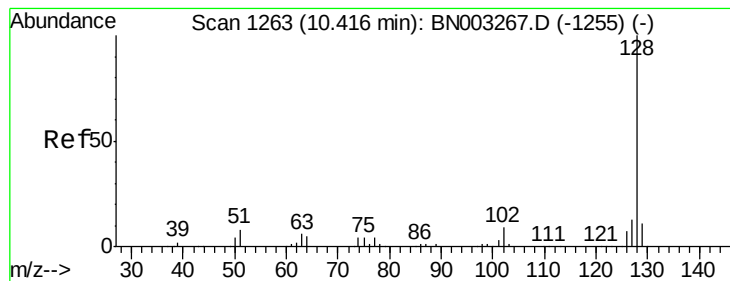
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.4	42.5	82.5
98	35.3	14.0	54.0



#30
1,2,4-Trichlorobenzene
Concen: 19.320 ng
RT: 10.24 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	29.3	23.6	35.4





#31

Naphthalene

Concen: 21.342 ng

RT: 10.42 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

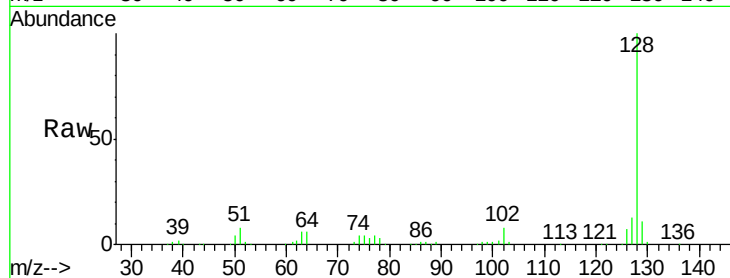
Tgt Ion:128 Resp: 481214

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

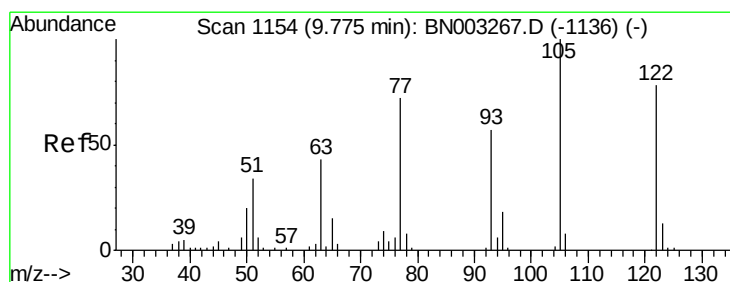
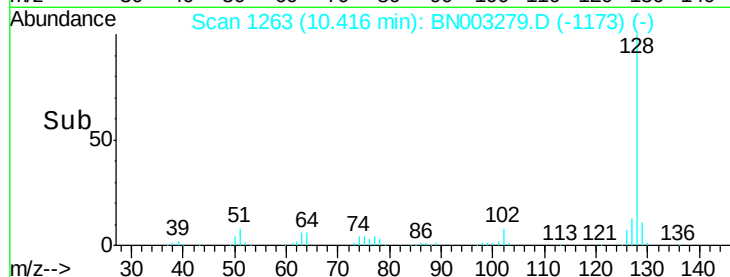
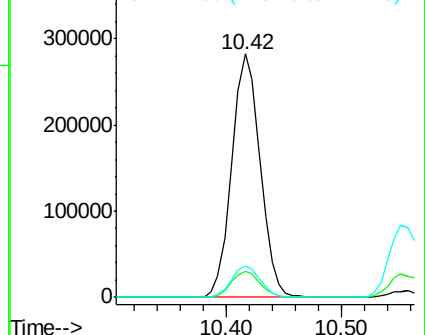
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.504 ng

RT: 9.74 min Scan# 1148

Delta R.T. -0.04 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

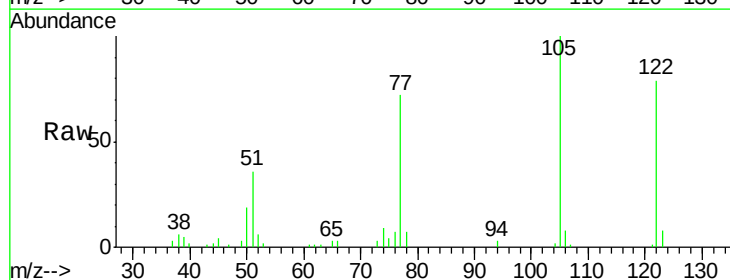
Tgt Ion:122 Resp: 66721

Ion Ratio Lower Upper

122 100

105 126.6 106.8 146.8

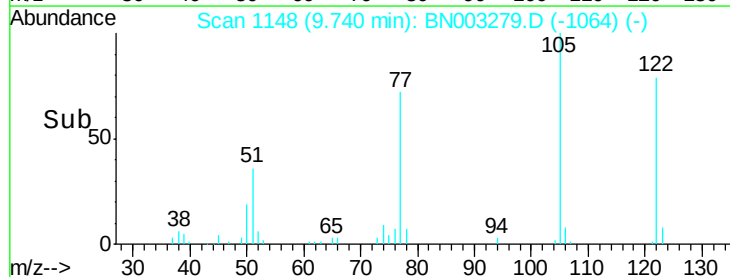
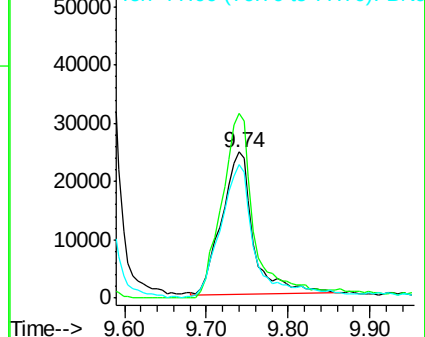
77 91.4 71.9 111.9

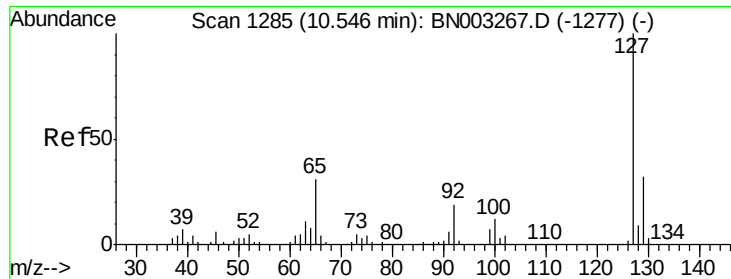


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

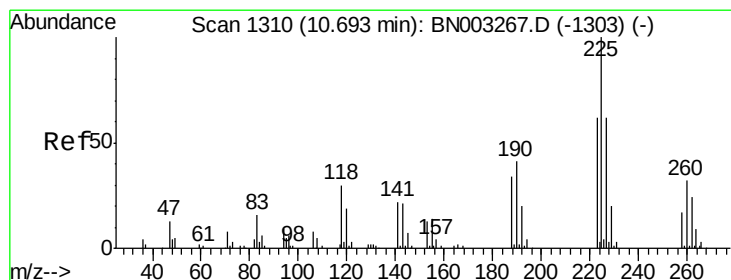
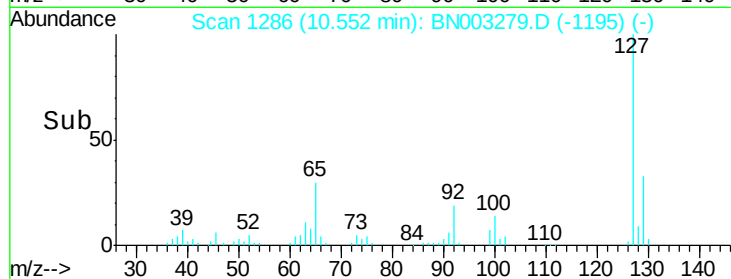
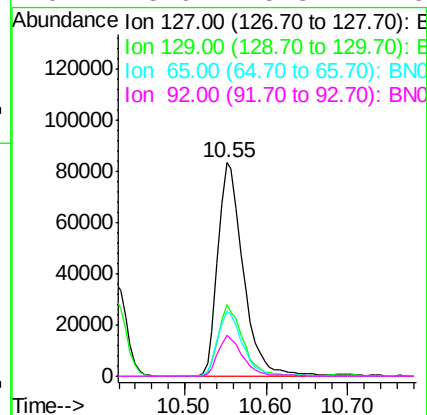
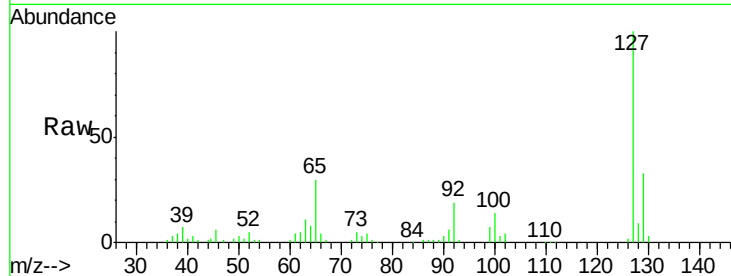




#33
4-Chloroaniline
Concen: 18.238 ng
RT: 10.55 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

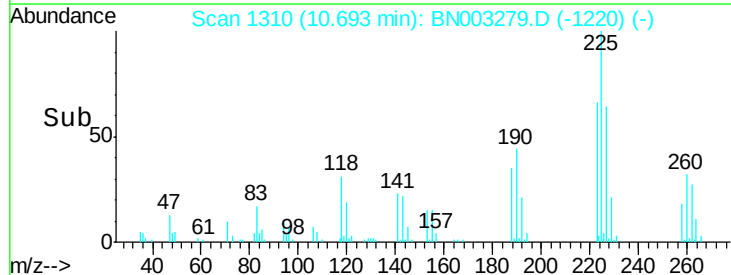
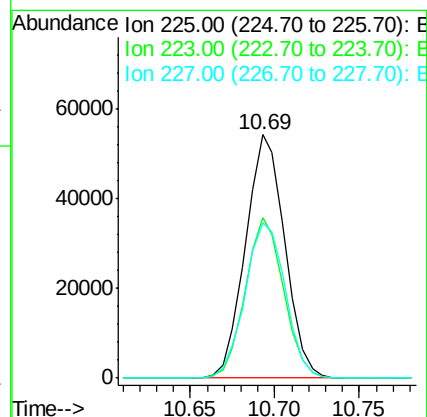
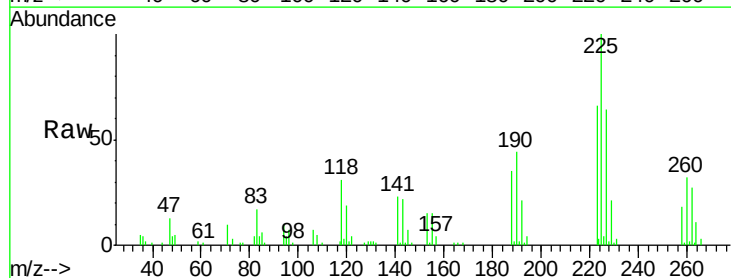
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

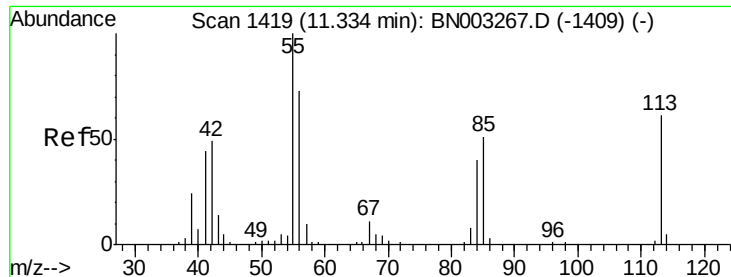
Tgt Ion:	127	Resp:	181711
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.8	38.6
65	30.4	24.6	36.8
92	18.9	15.3	22.9



#34
Hexachlorobutadiene
Concen: 18.568 ng
RT: 10.69 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:	225	Resp:	87339
Ion	Ratio	Lower	Upper
225	100		
223	65.8	49.8	74.8
227	63.8	49.6	74.4

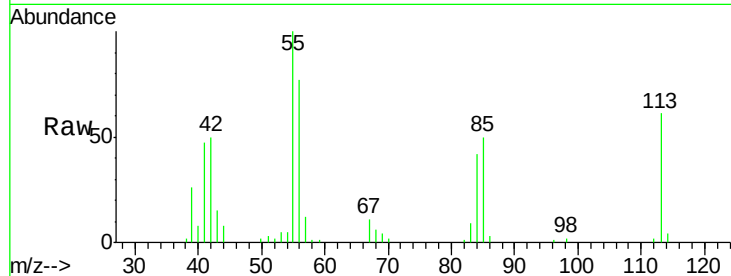




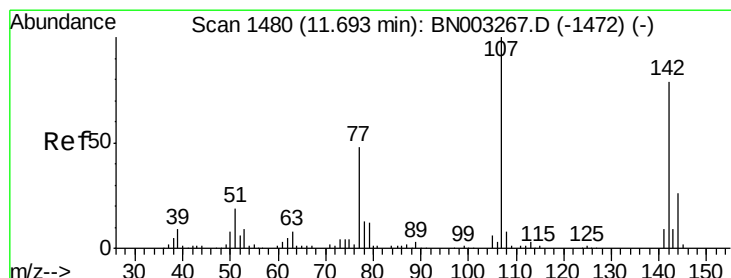
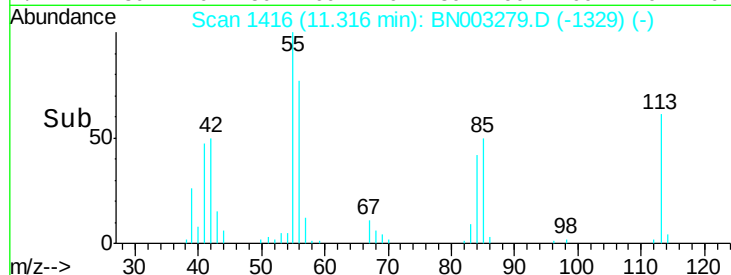
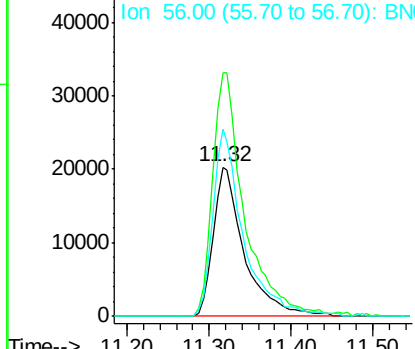
#35
 Caprolactam
 Concen: 19.638 ng
 RT: 11.32 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:113 Resp: 53314
 Ion Ratio Lower Upper
 113 100
 55 162.7 144.2 184.2
 56 125.6 100.6 140.6

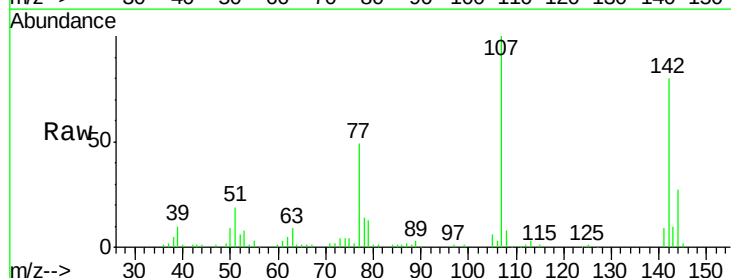


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BNO
 Ion 56.00 (55.70 to 56.70): BNO

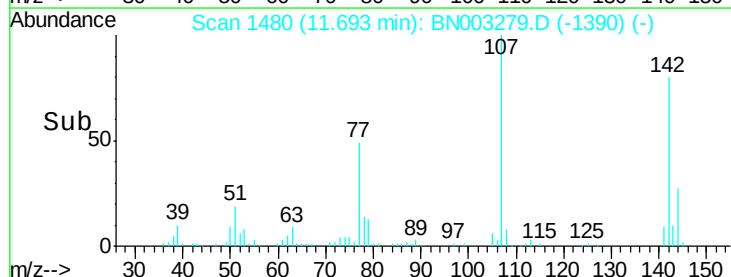
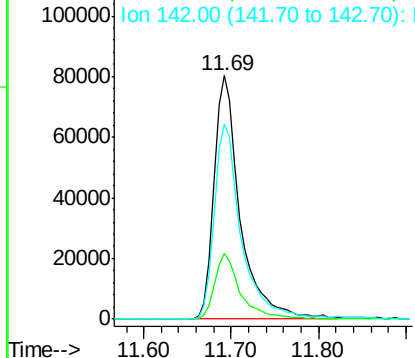


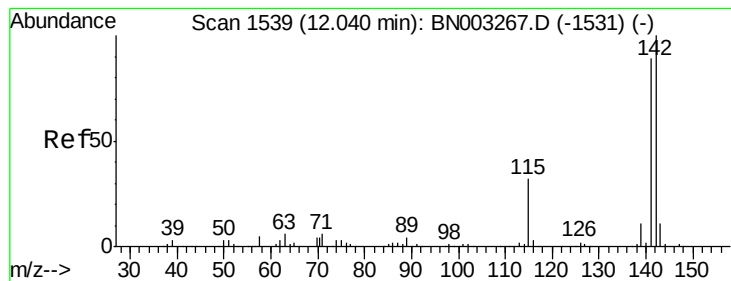
#36
 4-Chloro-3-methylphenol
 Concen: 21.511 ng
 RT: 11.69 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion:107 Resp: 166346
 Ion Ratio Lower Upper
 107 100
 144 26.8 20.8 31.2
 142 80.0 63.5 95.3



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 22.904 ng

RT: 12.04 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

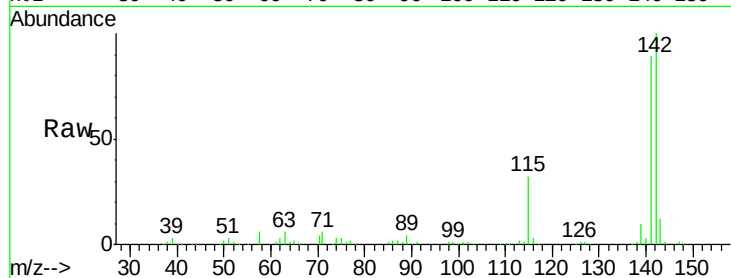
Tgt Ion:142 Resp: 369067

Ion Ratio Lower Upper

142 100

141 89.0 71.6 107.4

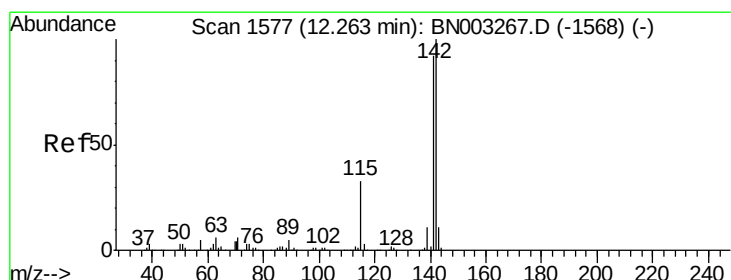
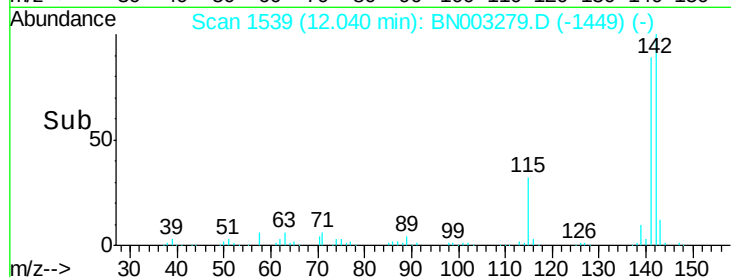
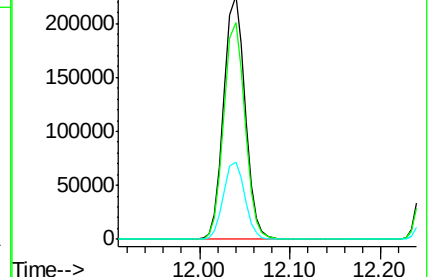
115 31.6 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 22.311 ng

RT: 12.26 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

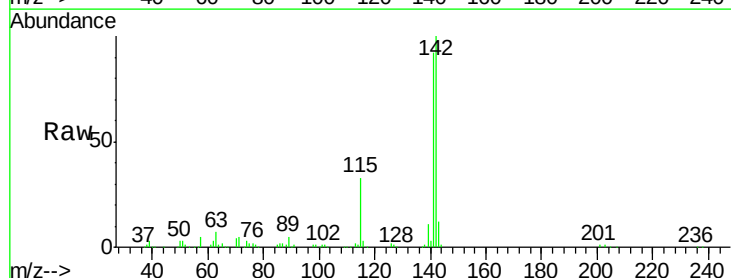
Tgt Ion:142 Resp: 351130

Ion Ratio Lower Upper

142 100

141 92.1 73.6 110.4

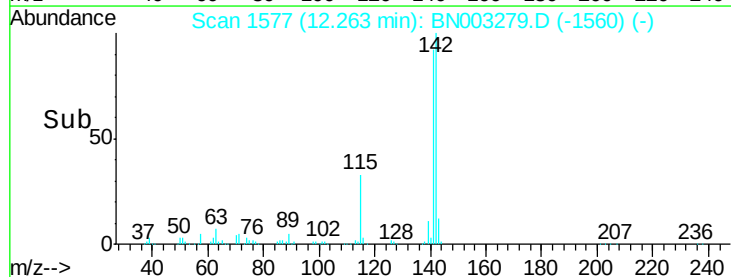
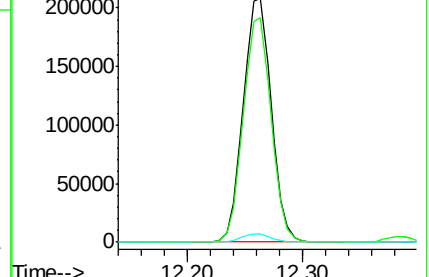
116 3.3 2.8 4.2

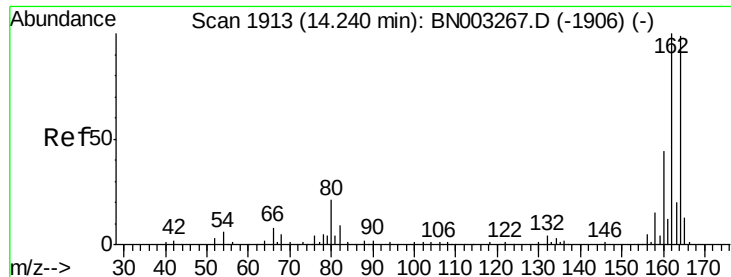


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

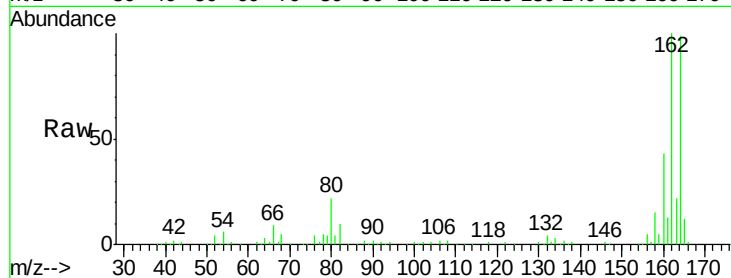
Tgt Ion:164 Resp: 288925

Ion Ratio Lower Upper

164 100

162 101.3 80.8 121.2

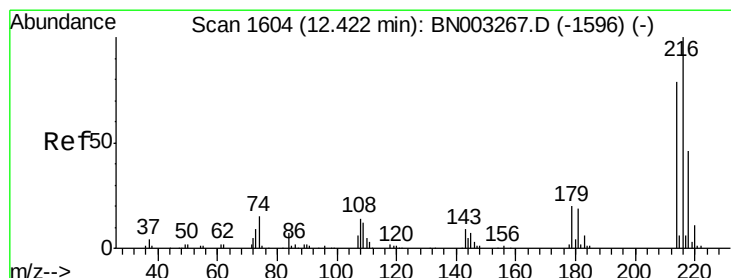
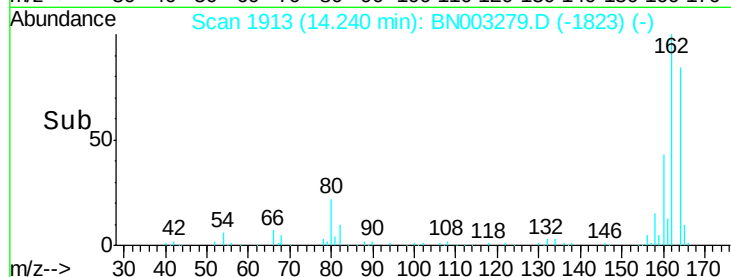
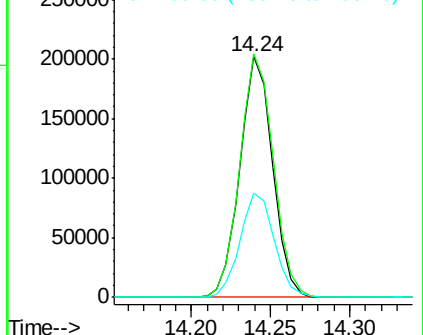
160 43.3 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 18.815 ng

RT: 12.42 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Tgt Ion:216 Resp: 179837

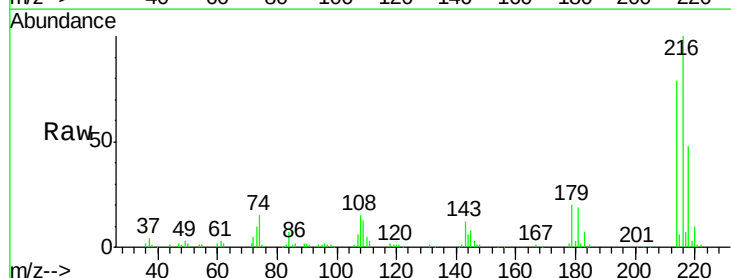
Ion Ratio Lower Upper

216 100

214 78.3 62.8 94.2

179 20.0 16.0 24.0

108 16.7 12.9 19.3

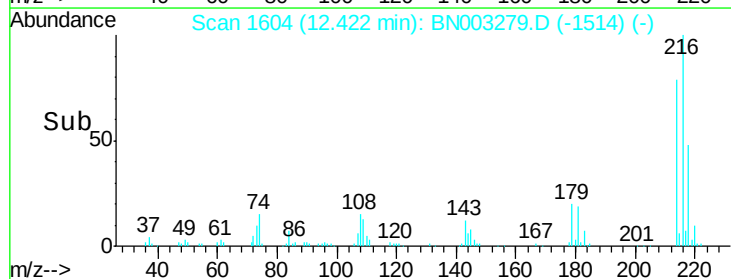
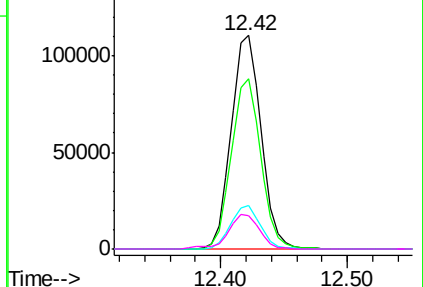


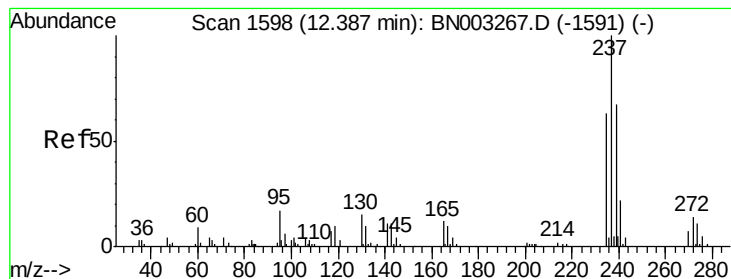
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 22.204 ng

RT: 12.39 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

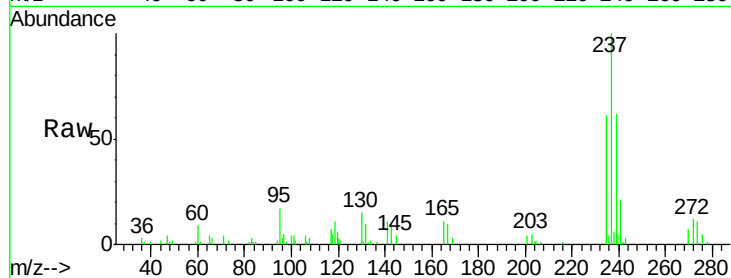
Tgt Ion:237 Resp: 61932

Ion Ratio Lower Upper

237 100

235 61.2 42.8 82.8

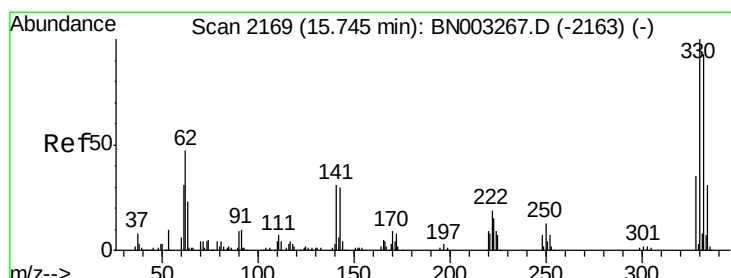
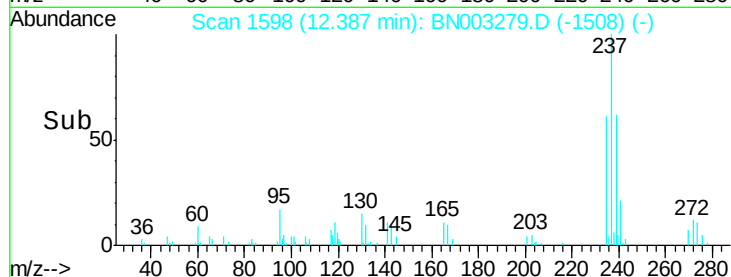
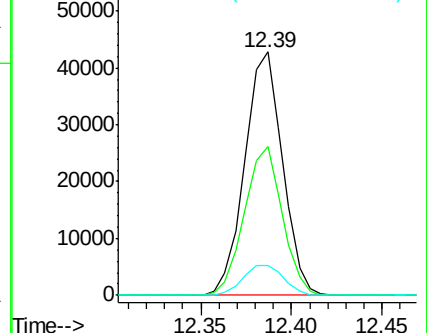
272 12.2 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 144.475 ng

RT: 15.75 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

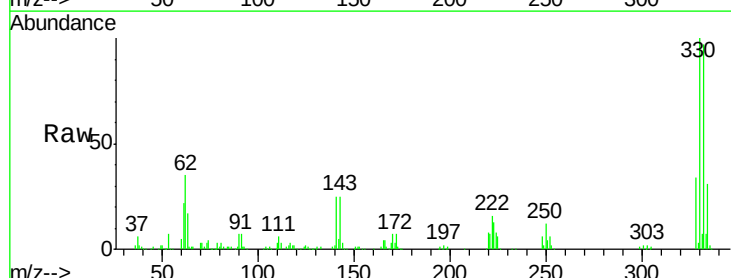
Tgt Ion:330 Resp: 562078

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

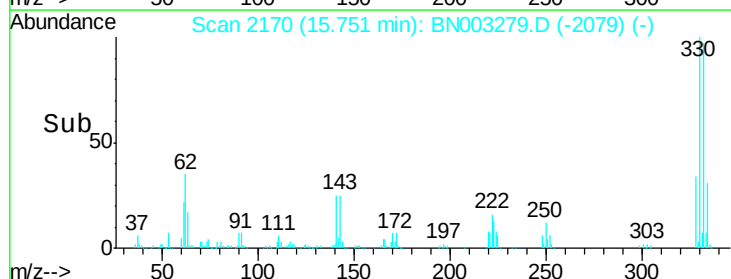
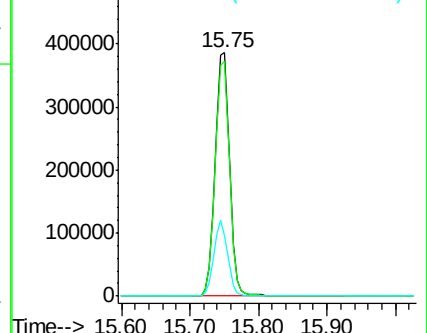
141 29.8 24.5 36.7

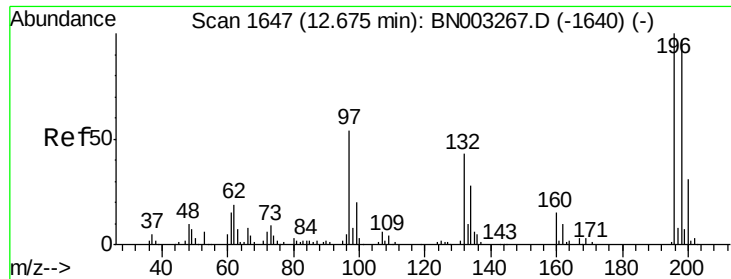


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

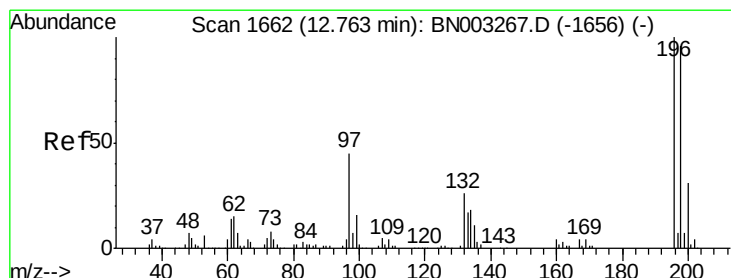
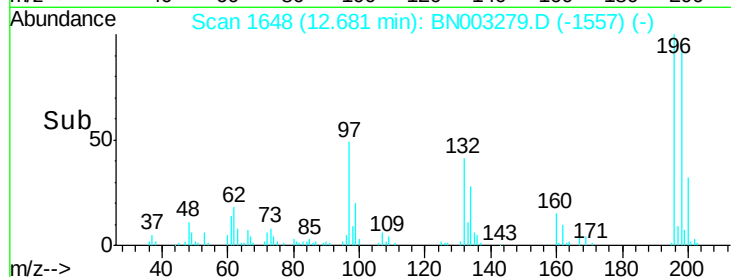
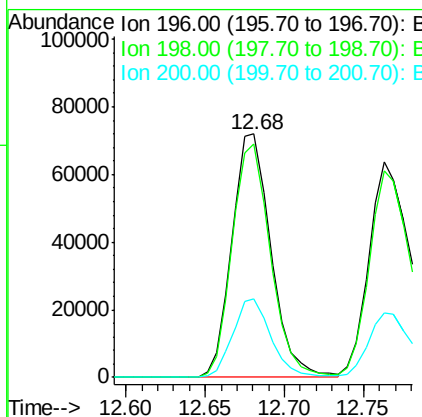
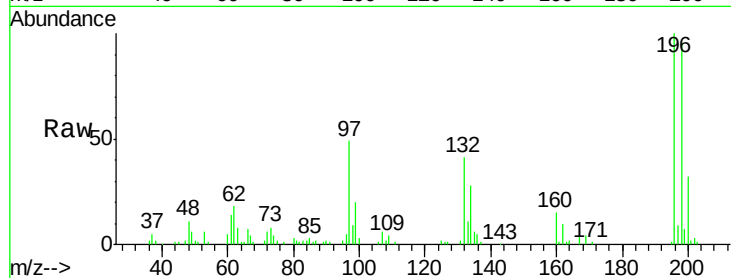




#43
 2,4,6-Trichlorophenol
 Concen: 20.388 ng
 RT: 12.68 min Scan# 1648
 Delta R.T. 0.01 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

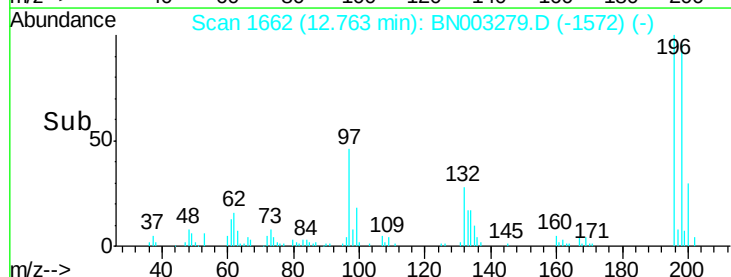
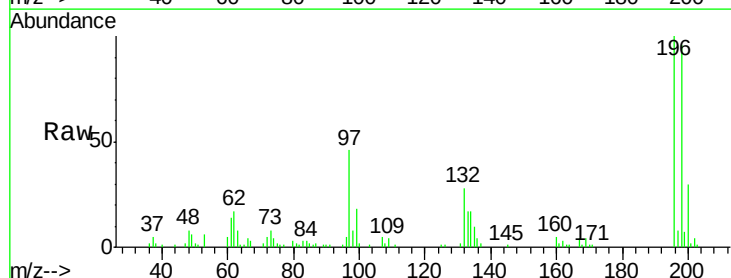
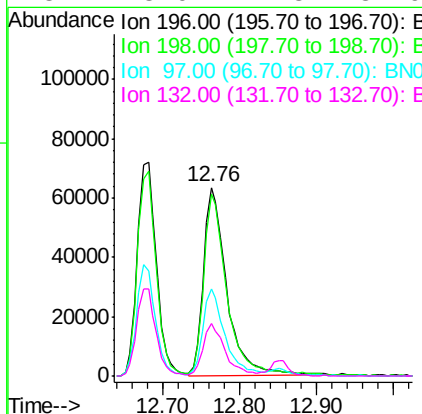
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

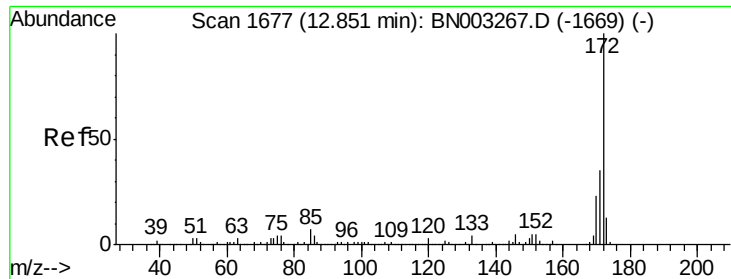
Tgt Ion:196 Resp: 123123
 Ion Ratio Lower Upper
 196 100
 198 95.9 77.4 116.0
 200 32.5 25.0 37.6



#44
 2,4,5-Trichlorophenol
 Concen: 20.995 ng
 RT: 12.76 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion:196 Resp: 132247
 Ion Ratio Lower Upper
 196 100
 198 96.3 76.8 115.2
 97 46.2 35.8 53.8
 132 28.0 21.3 31.9

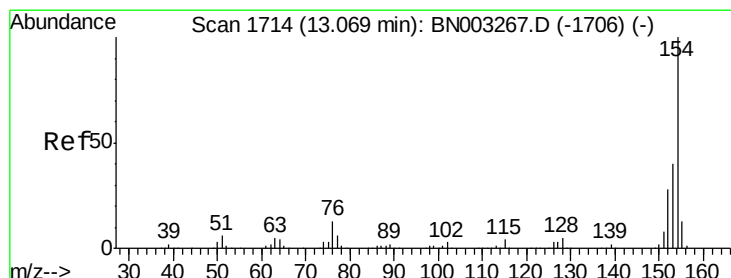
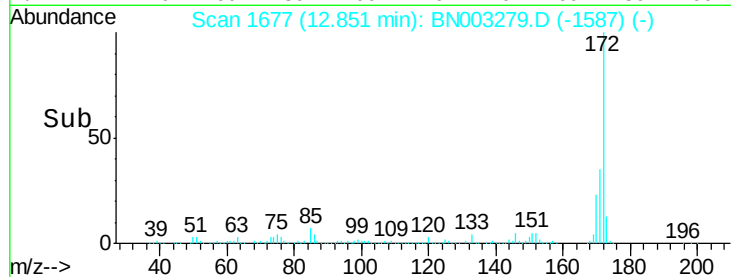
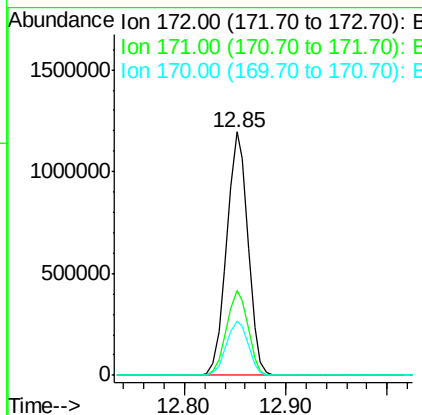
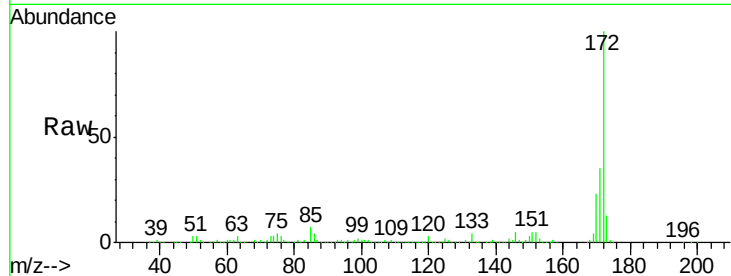




#45
 2-Fluorobiphenyl
 Concen: 81.637 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

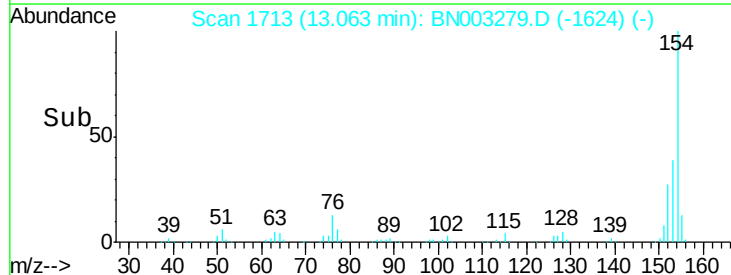
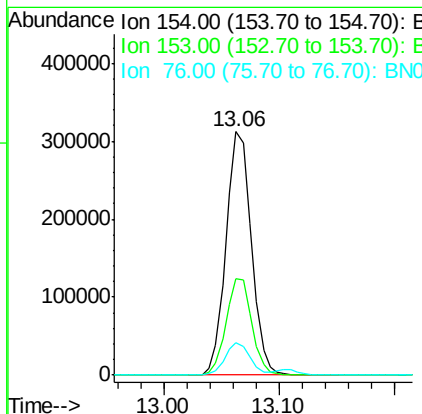
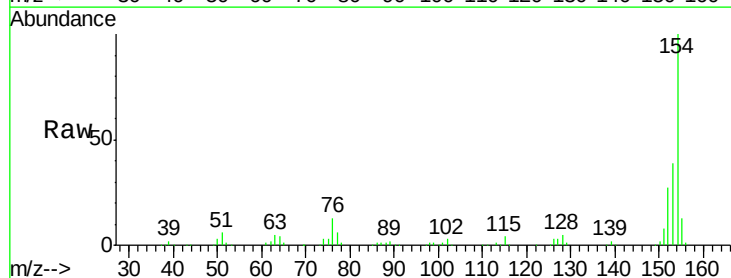
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

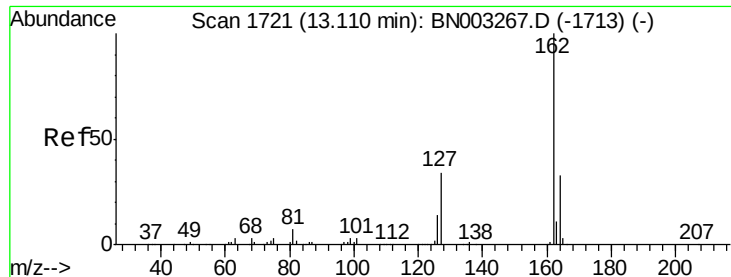
Tgt Ion:172 Resp: 1738917
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.2 42.4
 170 22.5 18.4 27.6



#46
 1,1'-Biphenyl
 Concen: 18.743 ng
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion:154 Resp: 475278
 Ion Ratio Lower Upper
 154 100
 153 39.4 20.5 60.5
 76 13.3 0.0 33.3

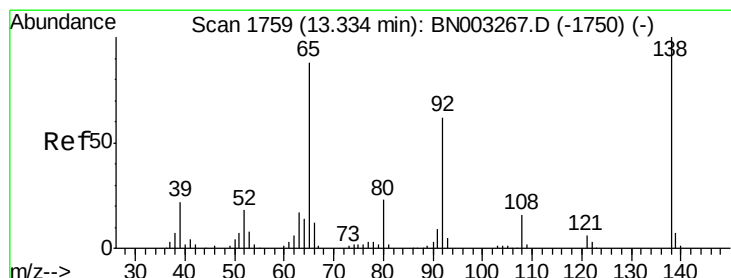
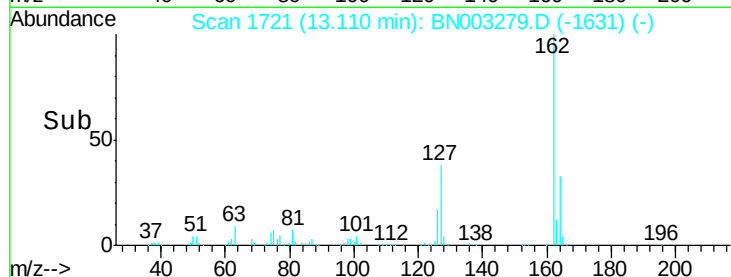
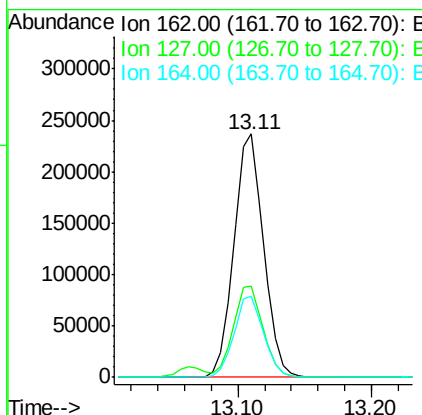
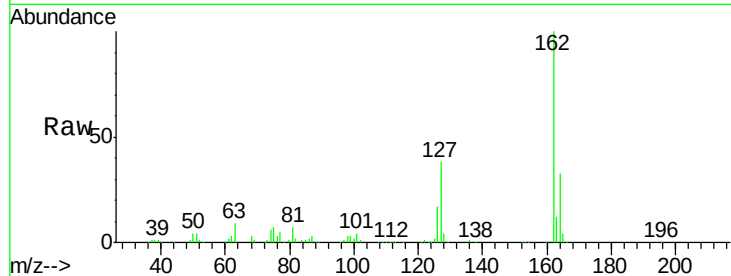




#47
2-Chloronaphthalene
Concen: 19.506 ng
RT: 13.11 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

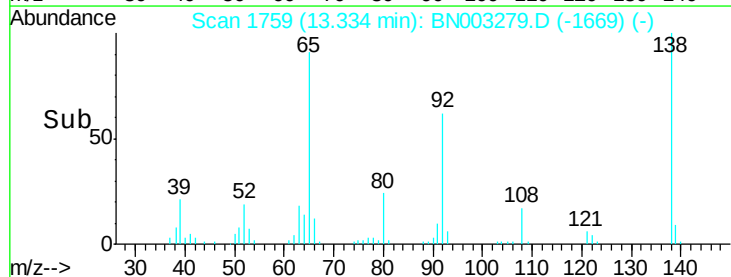
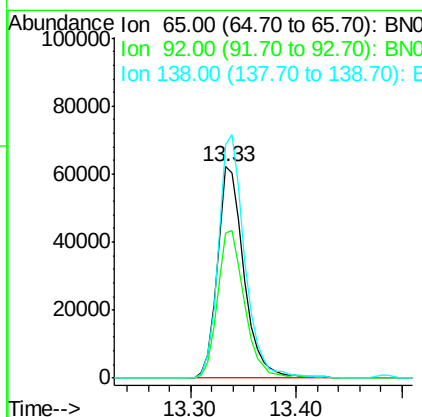
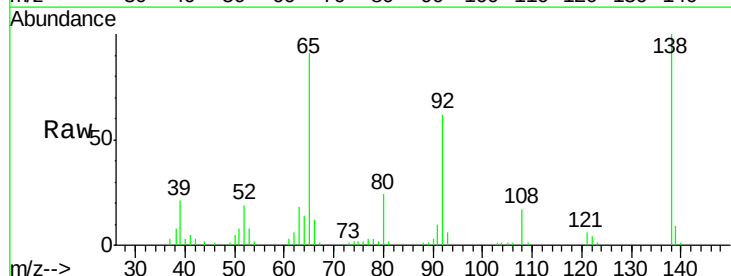
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

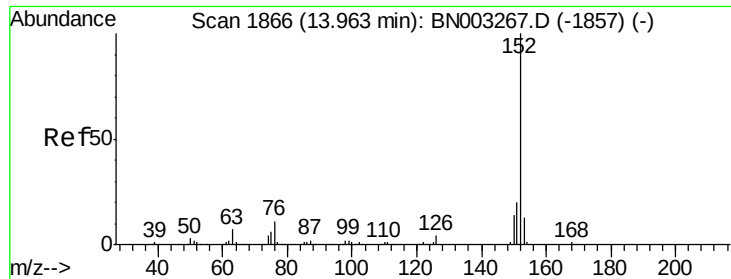
Tgt Ion: 162 Resp: 364861
Ion Ratio Lower Upper
162 100
127 37.7 29.8 44.6
164 33.2 26.3 39.5



#48
2-Nitroaniline
Concen: 19.938 ng
RT: 13.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion: 65 Resp: 109580
Ion Ratio Lower Upper
65 100
92 68.4 56.1 84.1
138 110.2 90.6 136.0





#49

Acenaphthylene

Concen: 21.543 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

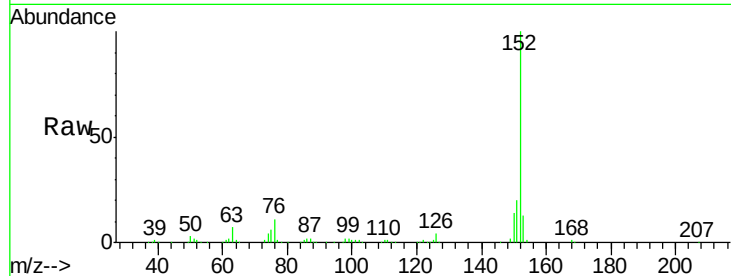
Tgt Ion:152 Resp: 616781

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

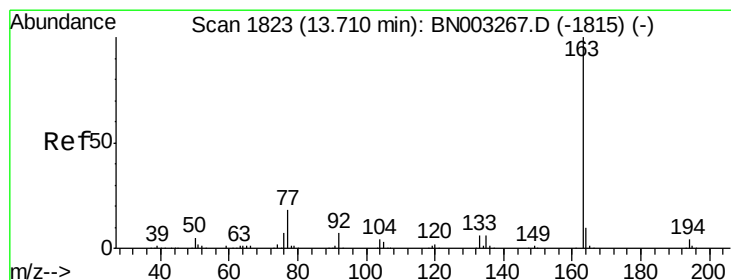
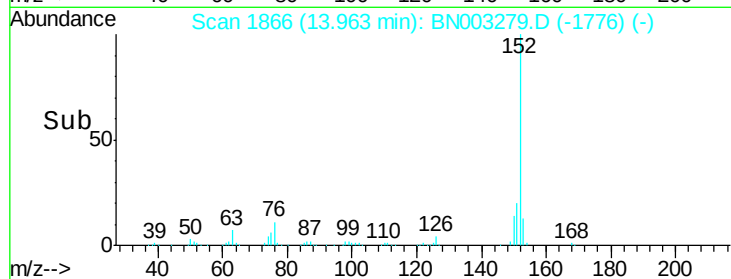
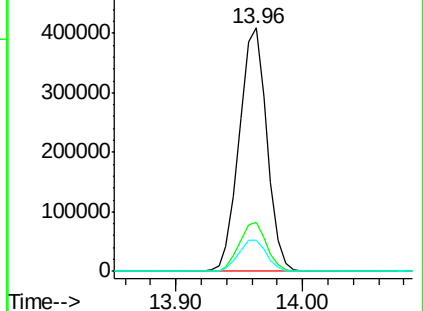
153 12.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 20.717 ng

RT: 13.70 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

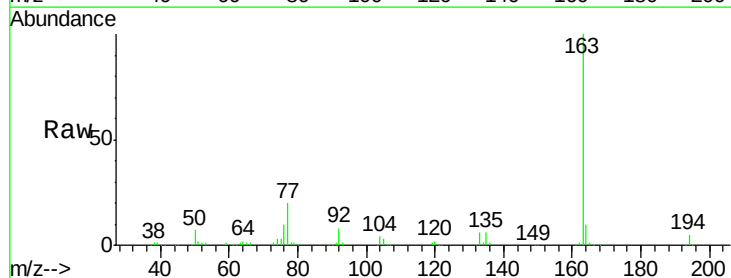
Tgt Ion:163 Resp: 483987

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

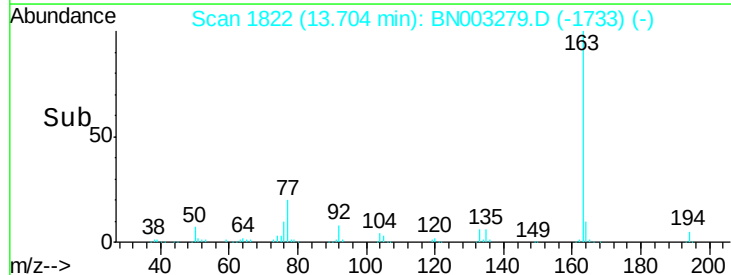
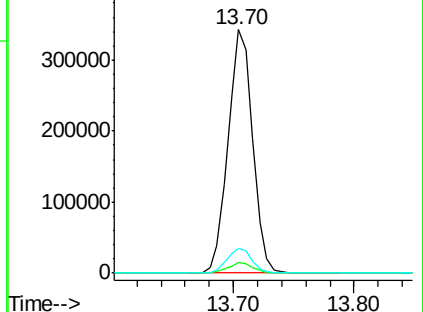
164 10.2 7.9 11.9

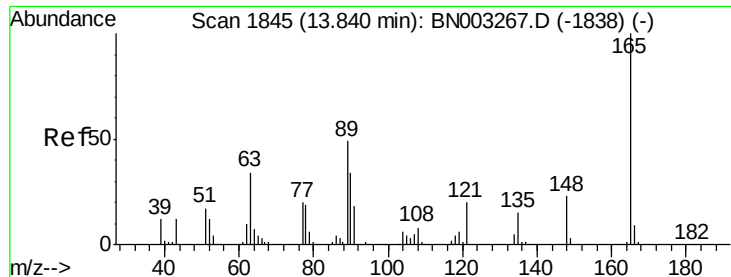


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

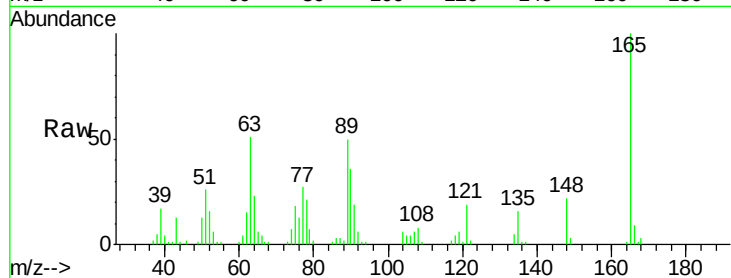




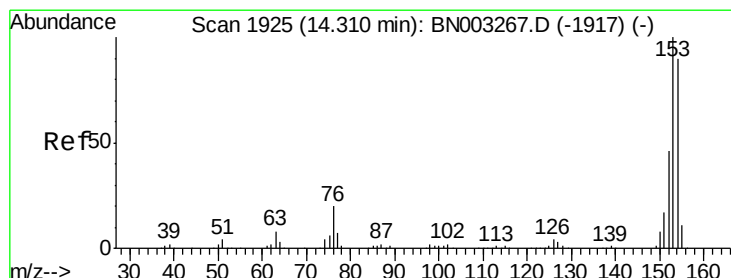
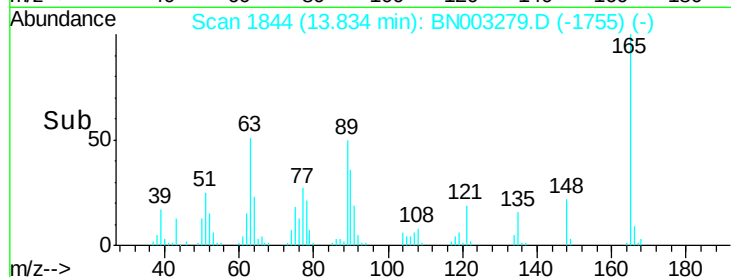
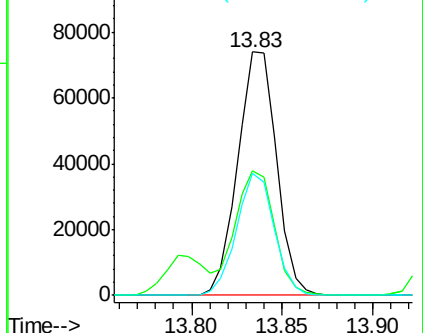
#51
2,6-Dinitrotoluene
Concen: 20.779 ng
RT: 13.83 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:165 Resp: 110174
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 50.1 38.9 58.3

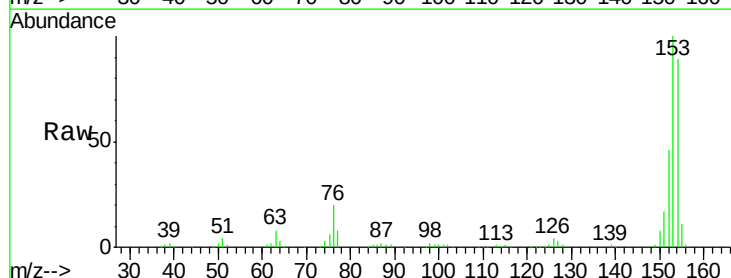


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 89.00 (88.70 to 89.70): BNO

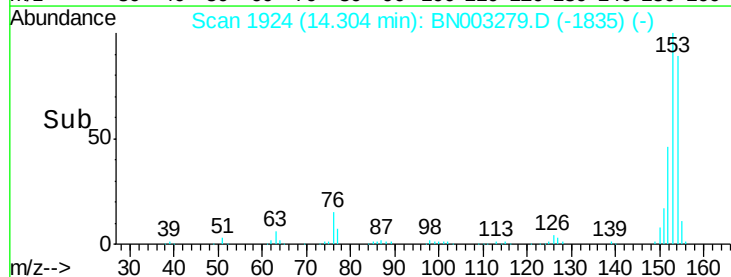
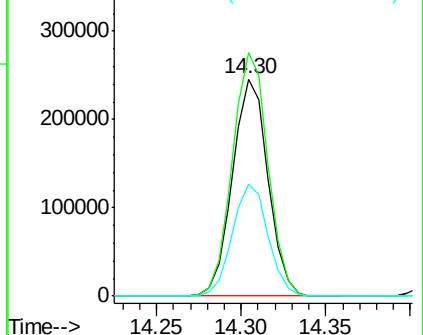


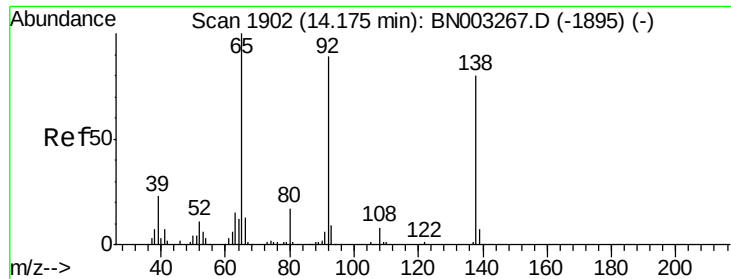
#52
Acenaphthene
Concen: 20.686 ng
RT: 14.30 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:154 Resp: 358836
Ion Ratio Lower Upper
154 100
153 112.2 89.3 133.9
152 51.5 41.2 61.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.025 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

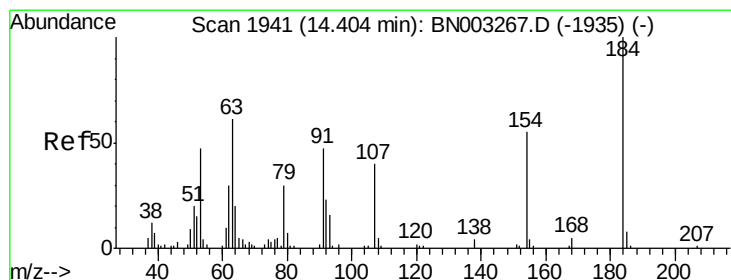
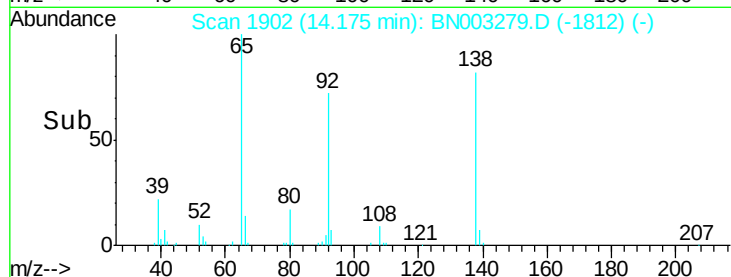
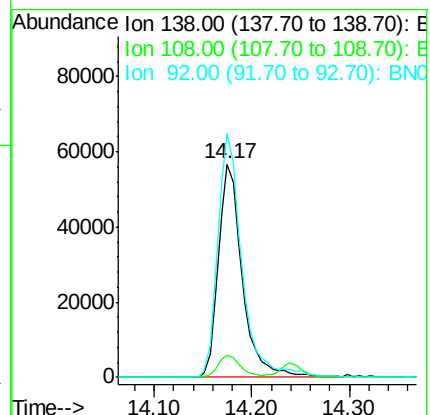
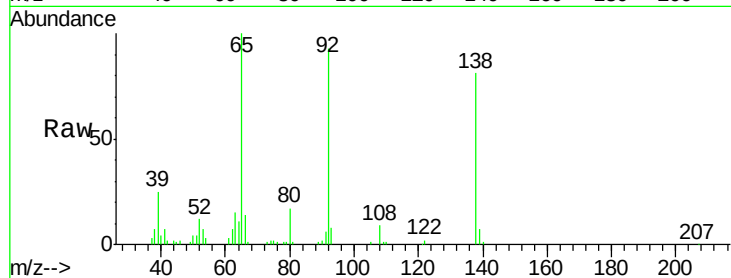
Tgt Ion:138 Resp: 96498

Ion Ratio Lower Upper

138 100

108 10.7 8.4 12.6

92 114.3 89.6 134.4



#54

2,4-Dinitrophenol

Concen: 21.703 ng

RT: 14.41 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

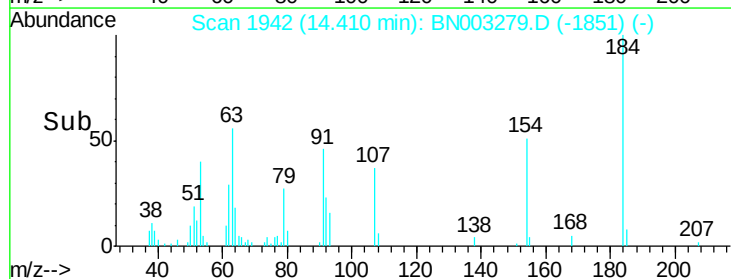
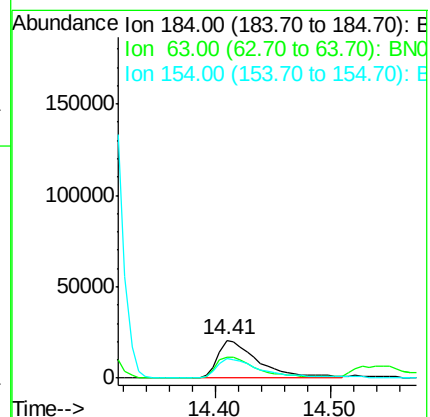
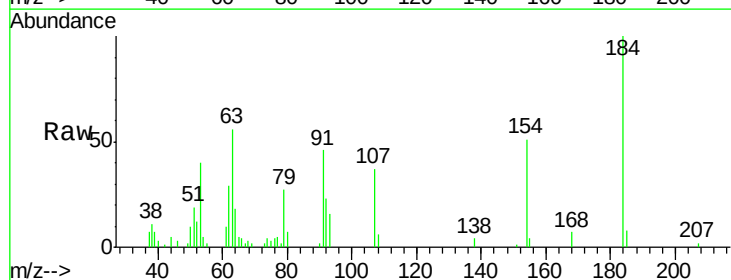
Tgt Ion:184 Resp: 50577

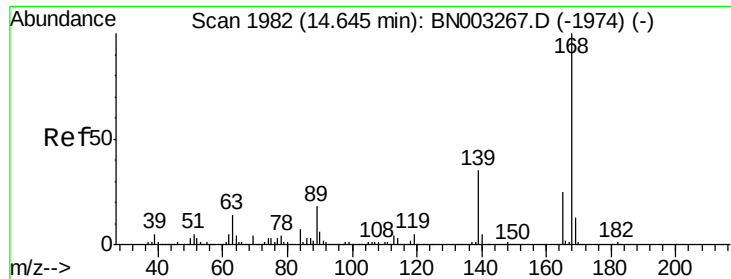
Ion Ratio Lower Upper

184 100

63 56.4 49.0 73.4

154 51.3 44.2 66.2





#55

Dibenzenofuran

Concen: 20.486 ng

RT: 14.65 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

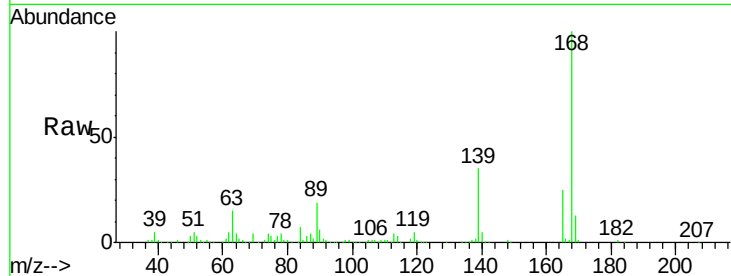
Tgt Ion:168 Resp: 578167

Ion Ratio Lower Upper

168 100

139 35.2 28.5 42.7

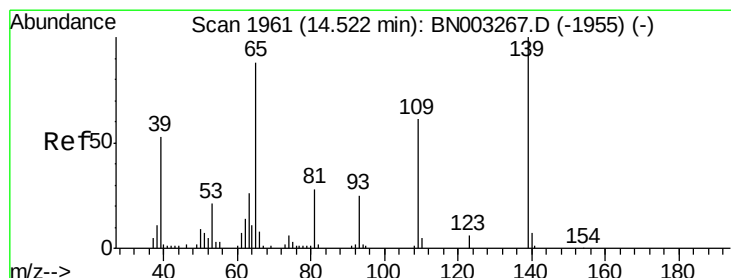
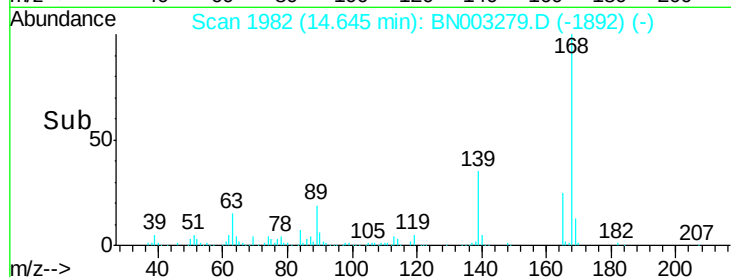
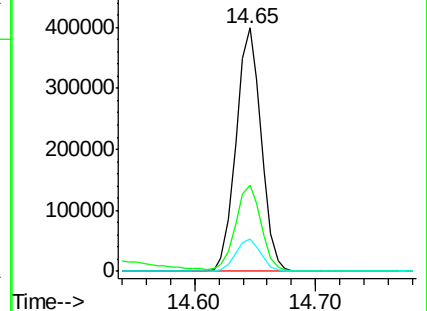
169 13.1 10.3 15.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 20.503 ng

RT: 14.53 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

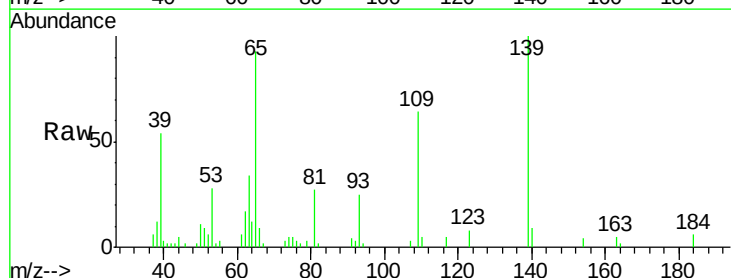
Tgt Ion:139 Resp: 66101

Ion Ratio Lower Upper

139 100

109 63.7 40.7 80.7

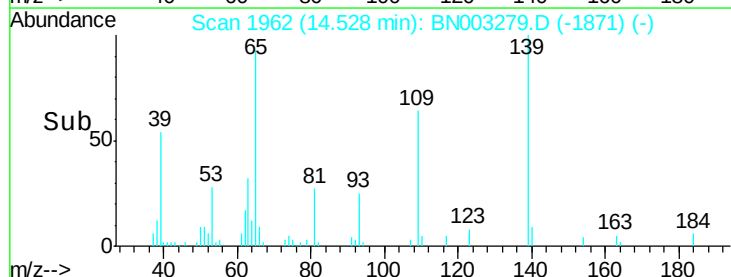
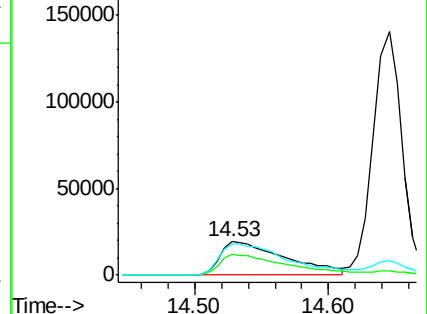
65 92.7 68.0 108.0

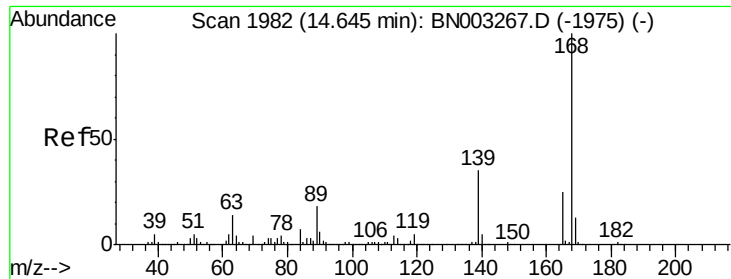


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

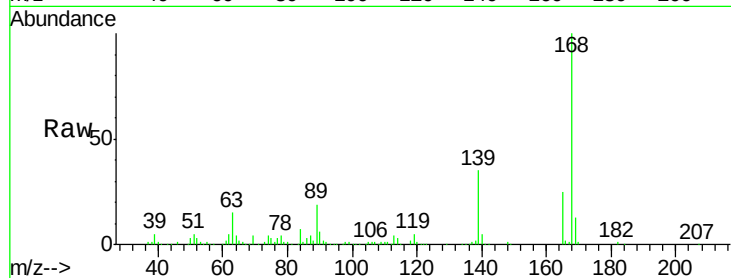




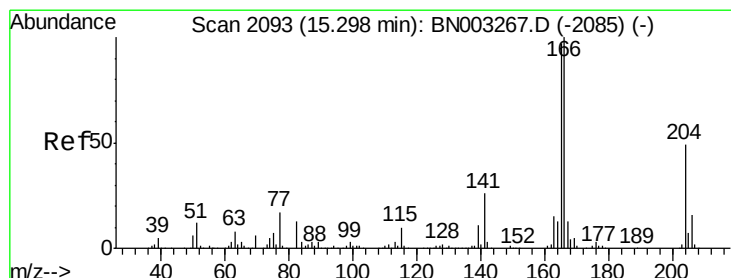
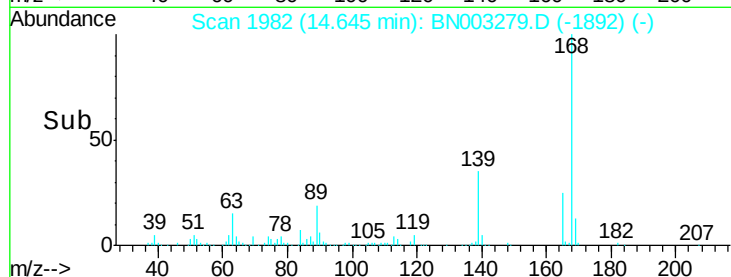
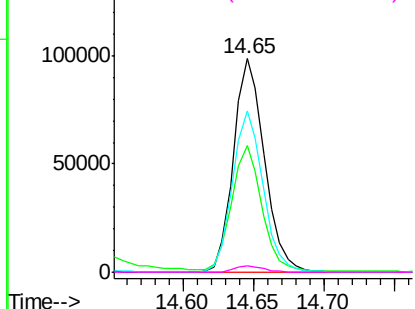
#57
2,4-Dinitrotoluene
Concen: 20.995 ng
RT: 14.65 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:165 Resp: 150942
Ion Ratio Lower Upper
165 100
63 59.2 45.8 68.6
89 75.3 58.7 88.1
182 3.0 2.3 3.5

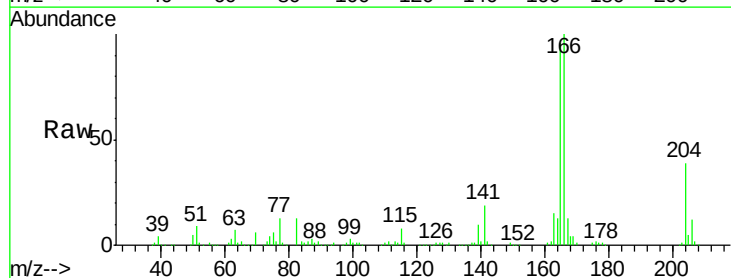


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

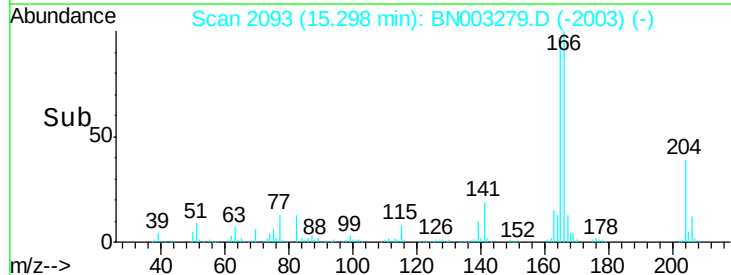
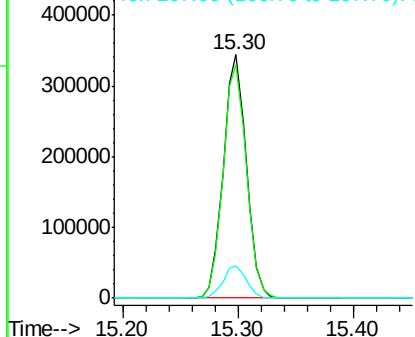


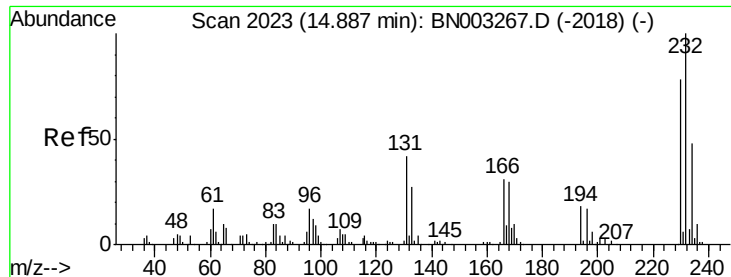
#58
Fluorene
Concen: 21.748 ng
RT: 15.30 min Scan# 2093
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:166 Resp: 473622
Ion Ratio Lower Upper
166 100
165 95.9 77.6 116.4
167 13.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

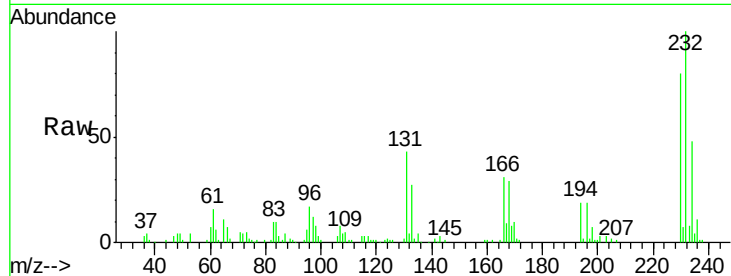




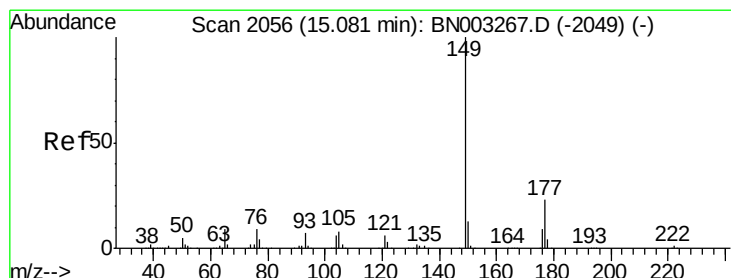
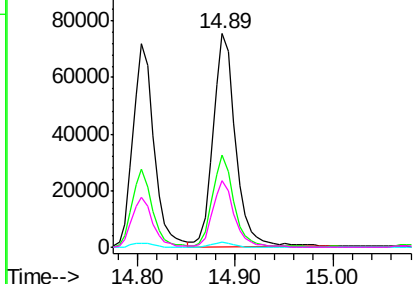
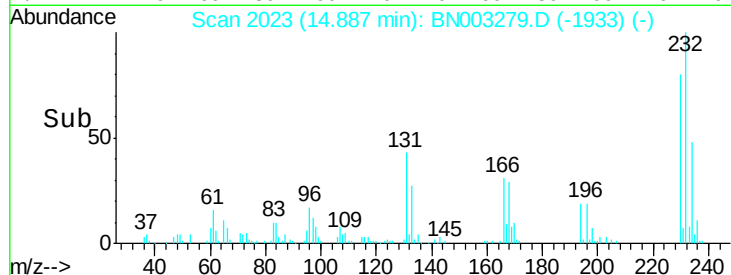
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.608 ng
RT: 14.89 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion: 232 Resp: 119521
Ion Ratio Lower Upper
232 100
131 40.1 33.7 50.5
130 2.0 1.6 2.4
166 30.3 24.3 36.5

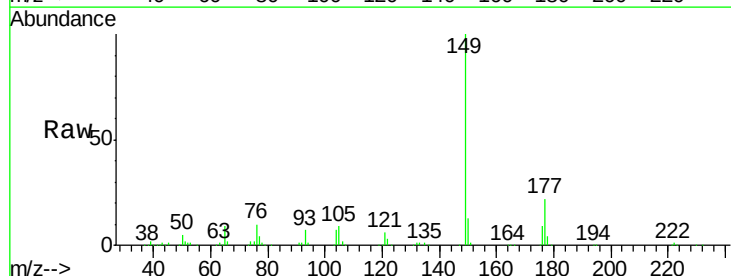


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

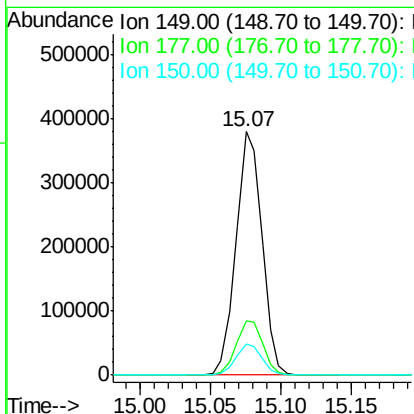
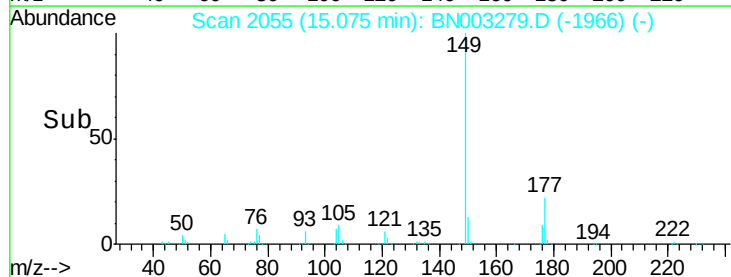


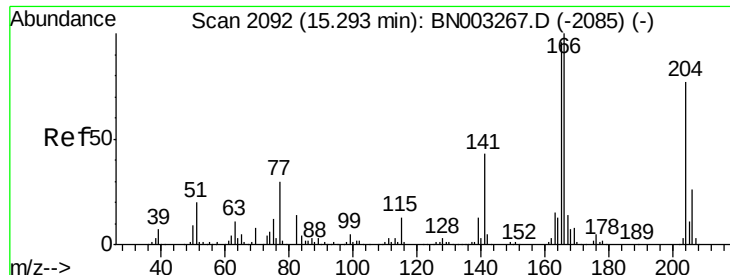
#60
Diethylphthalate
Concen: 20.544 ng
RT: 15.07 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion: 149 Resp: 487028
Ion Ratio Lower Upper
149 100
177 22.0 18.6 28.0
150 12.6 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

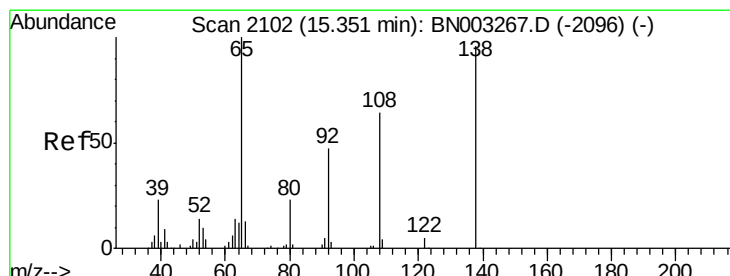
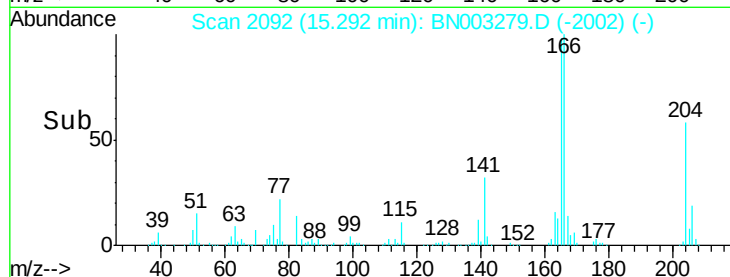
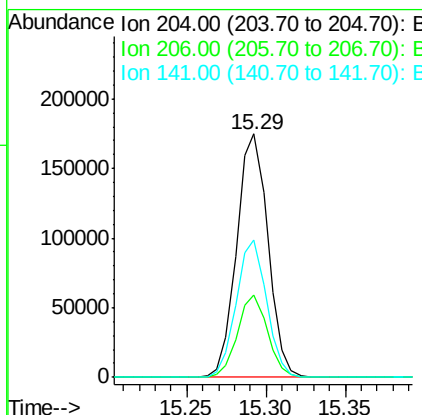
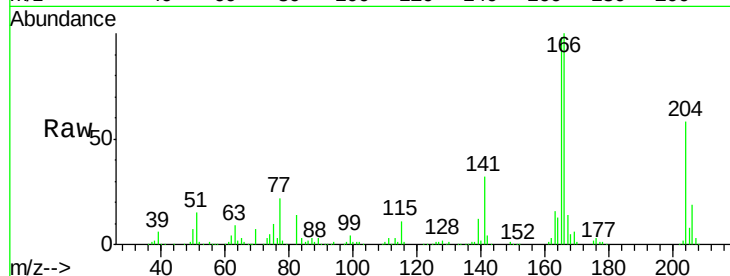




#61
 4-Chlorophenyl-phenylether
 Concen: 19.743 ng
 RT: 15.29 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

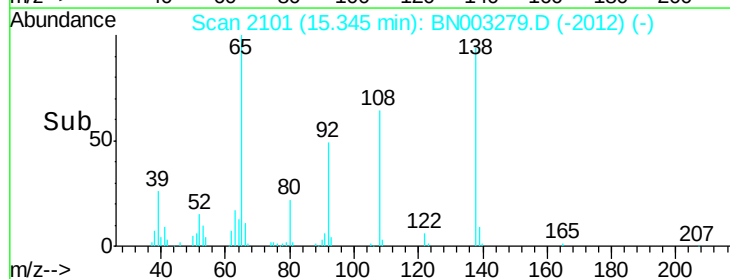
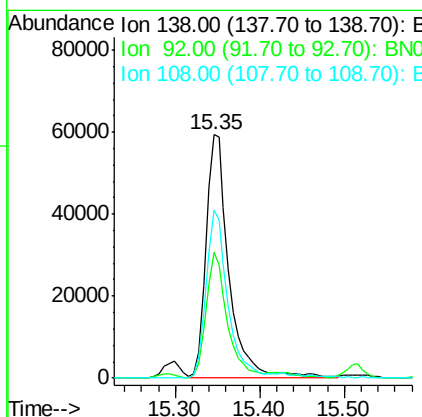
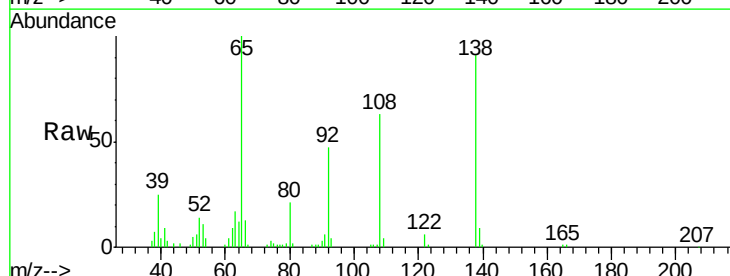
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

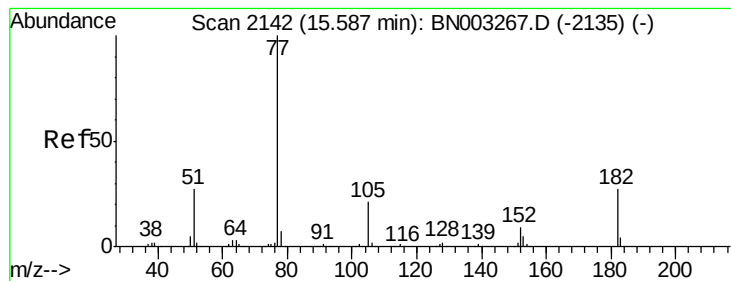
Tgt Ion: 204 Resp: 238882
 Ion Ratio Lower Upper
 204 100
 206 33.6 26.6 39.8
 141 56.2 44.6 67.0



#62
 4-Nitroaniline
 Concen: 20.554 ng
 RT: 15.35 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion: 138 Resp: 113817
 Ion Ratio Lower Upper
 138 100
 92 51.6 27.9 67.9
 108 68.9 46.3 86.3





#63

Azobenzene

Concen: 20.955 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion: 77 Resp: 459098

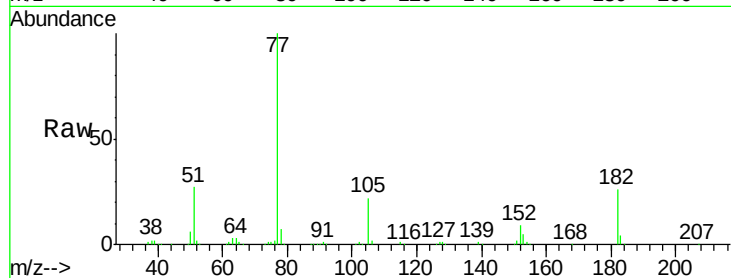
Ion Ratio Lower Upper

77 100

182 26.5 6.5 46.5

105 21.9 1.0 41.0

51 26.9 7.0 47.0

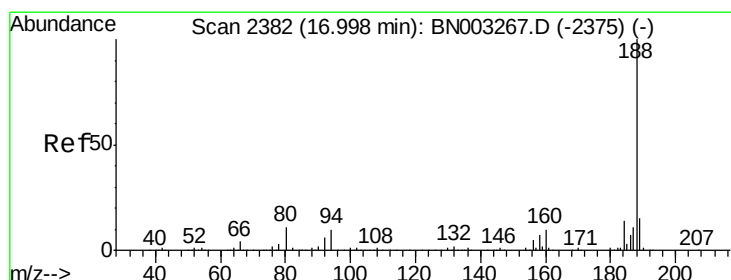
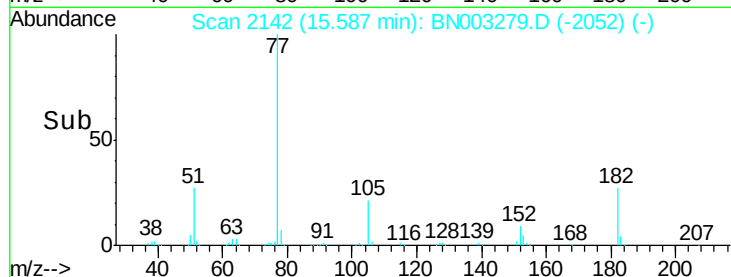
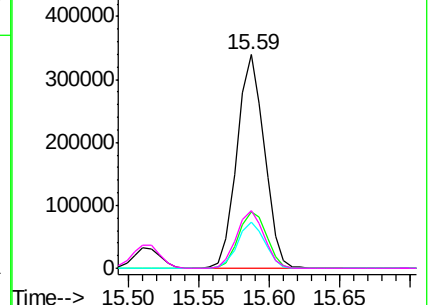


Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BN0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

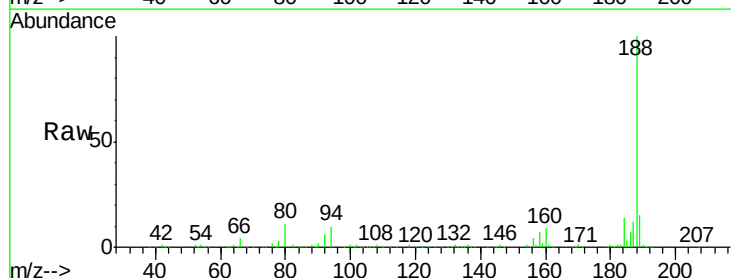
Tgt Ion: 188 Resp: 684523

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

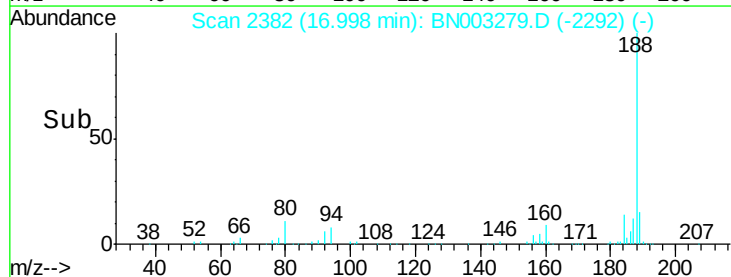
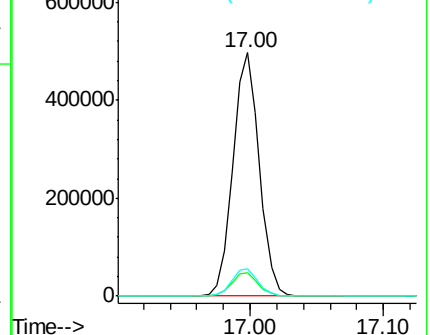
80 11.2 8.6 13.0

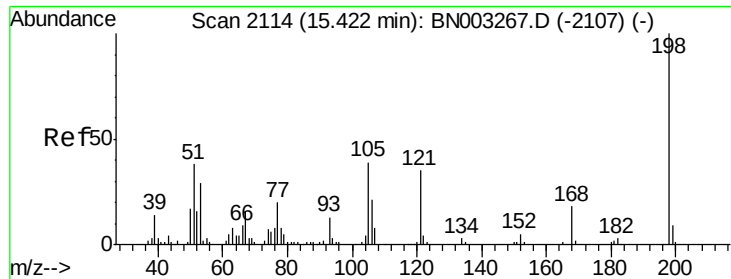


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BN0

Ion 80.00 (79.70 to 80.70): BN0

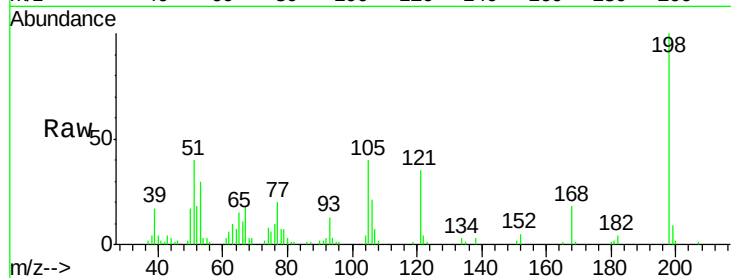




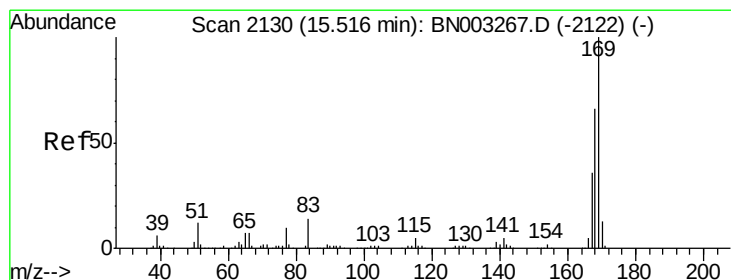
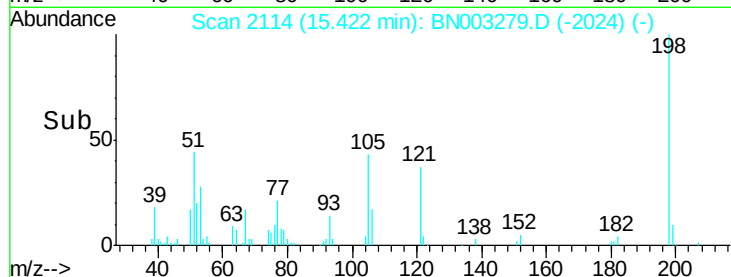
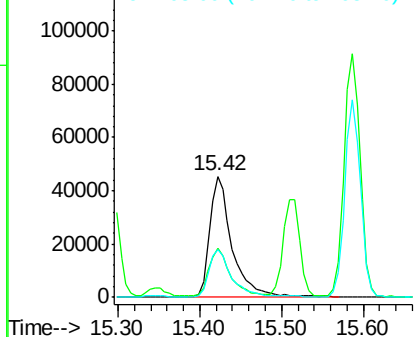
#65
 4,6-Dinitro-2-methylphenol
 Concen: 18.050 ng
 RT: 15.42 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:198 Resp: 86212
 Ion Ratio Lower Upper
 198 100
 51 40.1 19.2 59.2
 105 39.8 18.9 58.9

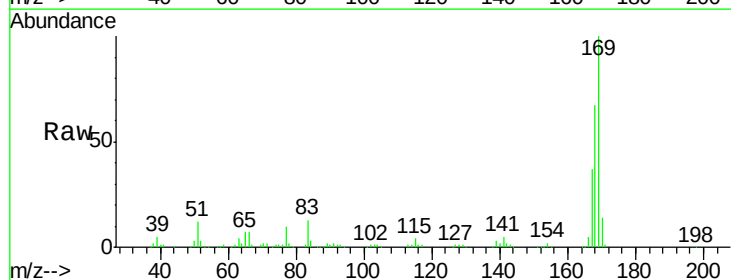


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

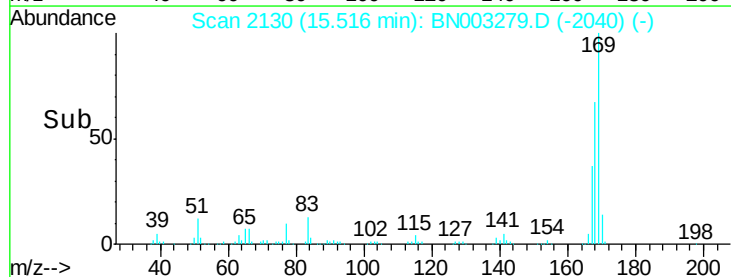
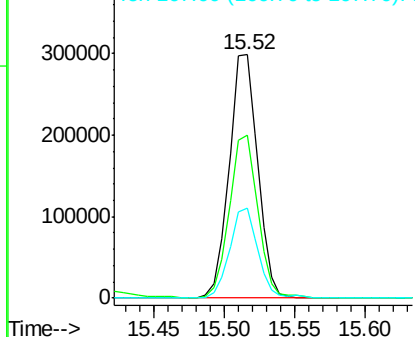


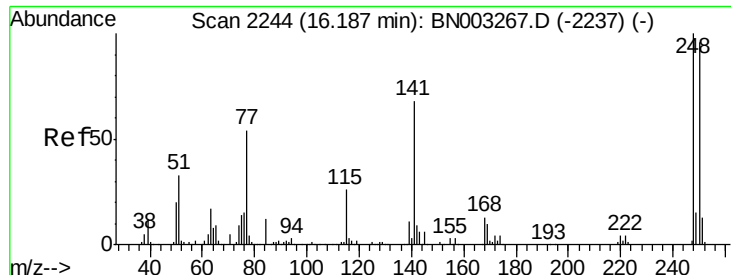
#66
 n-Nitrosodiphenylamine
 Concen: 19.629 ng
 RT: 15.52 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BN003279.D
 Acq: 24 Oct 2018 19:41

Tgt Ion:169 Resp: 420622
 Ion Ratio Lower Upper
 169 100
 168 67.2 53.3 79.9
 167 36.9 28.6 43.0



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

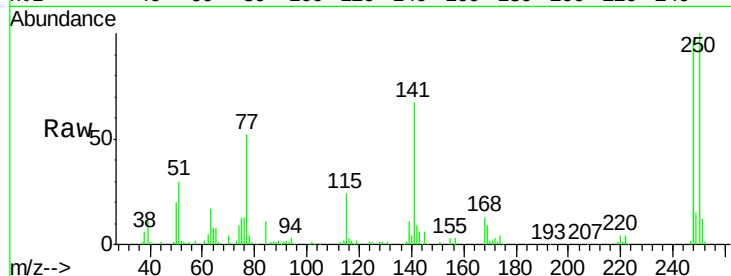




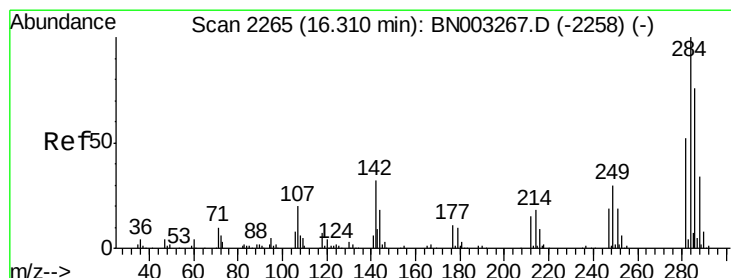
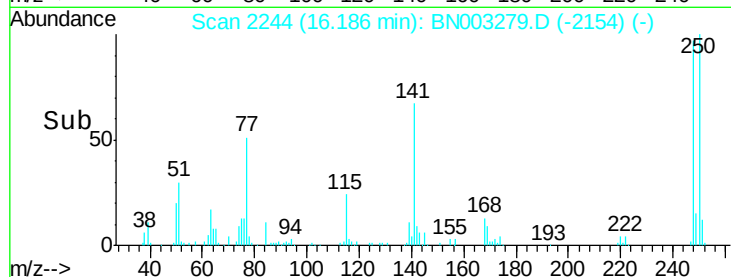
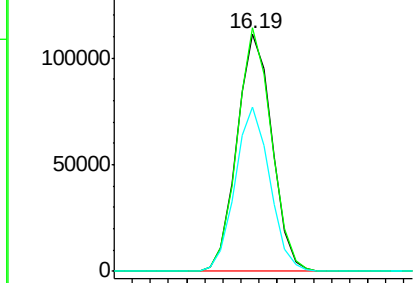
#67
4-Bromophenyl-phenylether
Concen: 19.355 ng
RT: 16.19 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:248 Resp: 149213
Ion Ratio Lower Upper
248 100
250 102.6 76.4 114.6
141 69.2 54.2 81.4

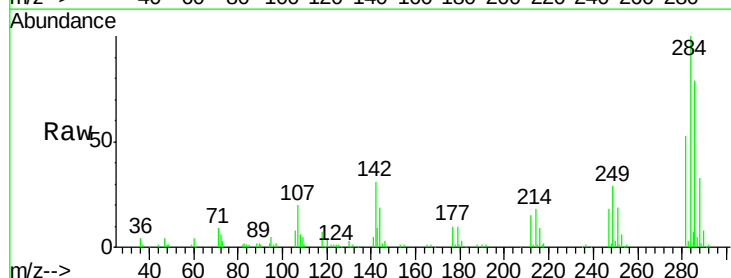


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

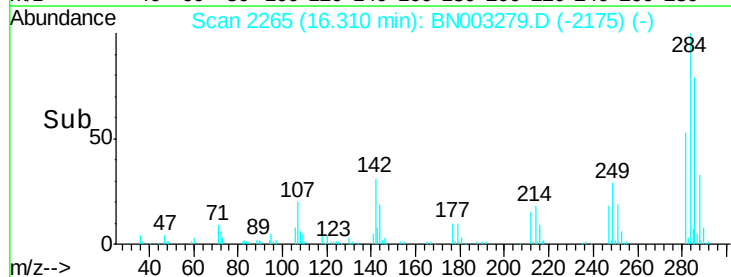
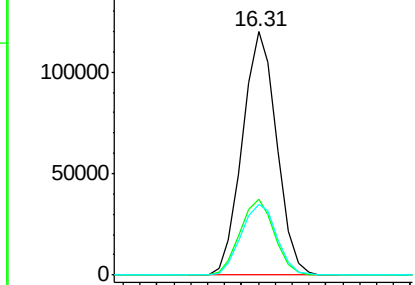


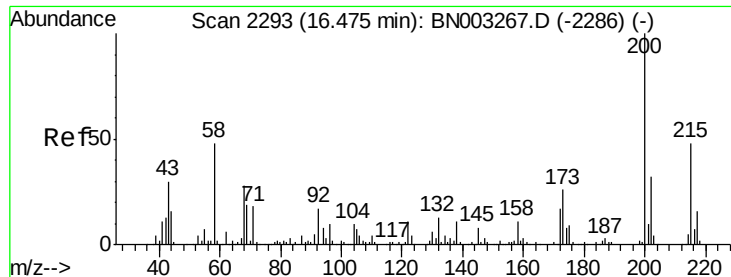
#68
Hexachlorobenzene
Concen: 19.283 ng
RT: 16.31 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BN003279.D
Acq: 24 Oct 2018 19:41

Tgt Ion:284 Resp: 169355
Ion Ratio Lower Upper
284 100
142 31.2 25.6 38.4
249 29.3 23.6 35.4



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 20.492 ng

RT: 16.47 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

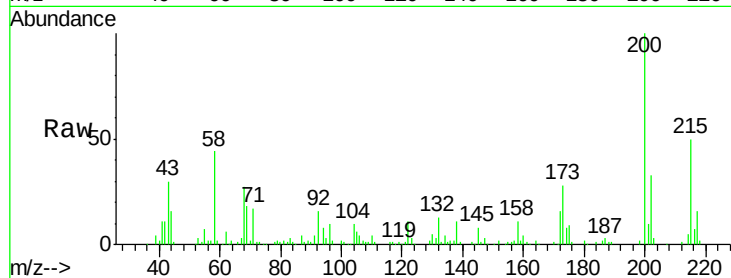
Tgt Ion:200 Resp: 155626

Ion Ratio Lower Upper

200 100

173 27.6 6.3 46.3

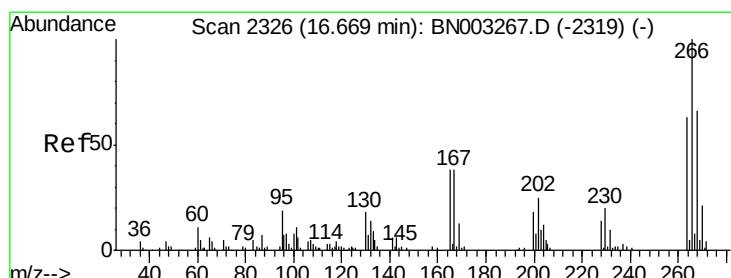
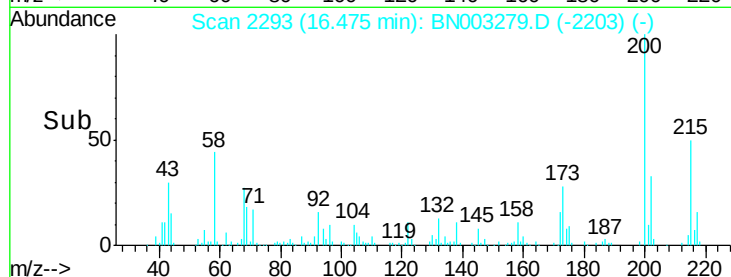
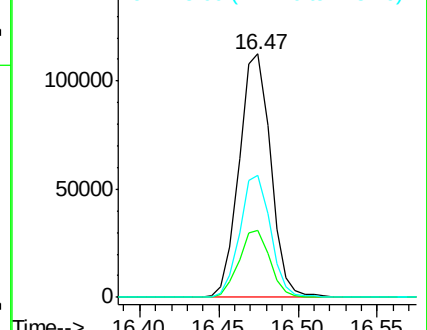
215 50.2 27.6 67.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 17.200 ng

RT: 16.67 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

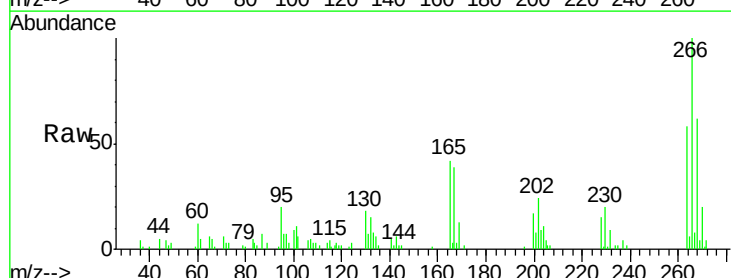
Tgt Ion:266 Resp: 51532

Ion Ratio Lower Upper

266 100

268 62.1 52.5 78.7

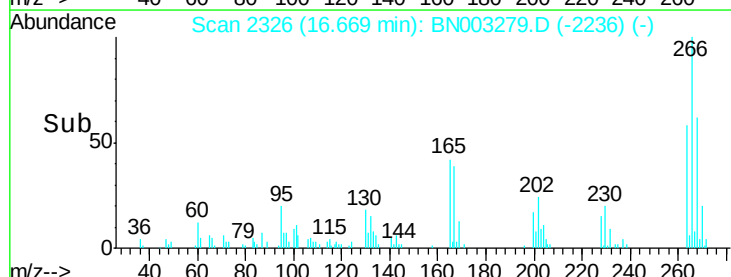
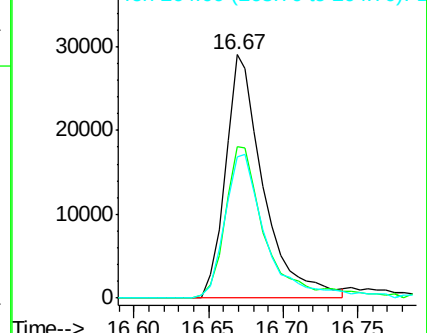
264 58.2 50.3 75.5

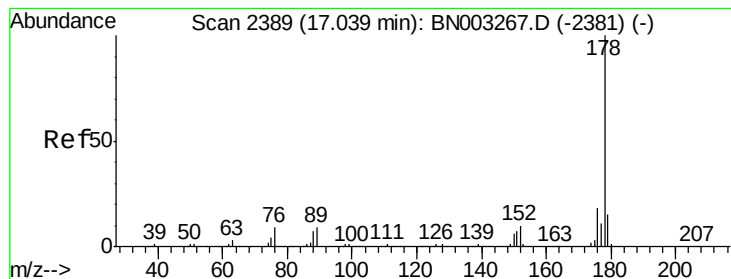


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 21.325 ng

RT: 17.04 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

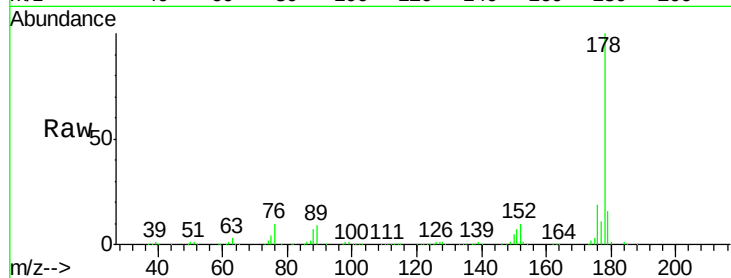
Tgt Ion:178 Resp: 767422

Ion Ratio Lower Upper

178 100

176 18.9 14.4 21.6

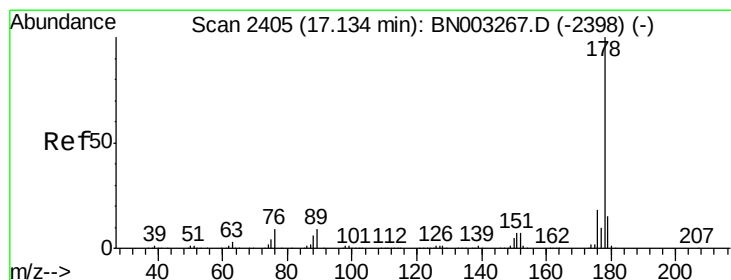
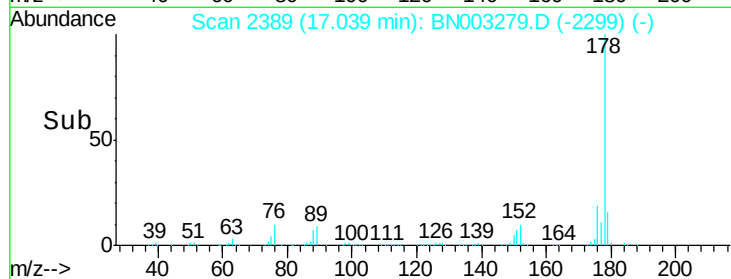
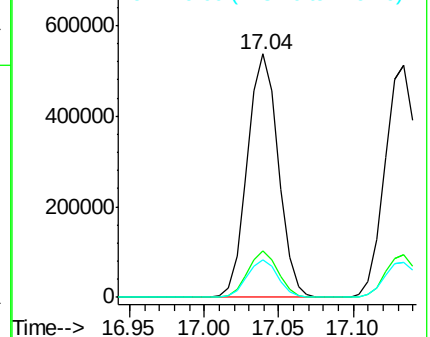
179 15.5 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 21.832 ng

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

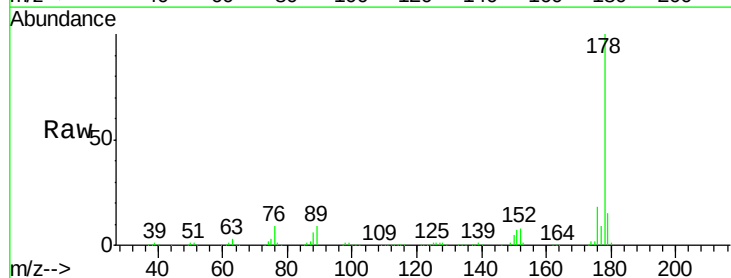
Tgt Ion:178 Resp: 783991

Ion Ratio Lower Upper

178 100

176 18.3 14.3 21.5

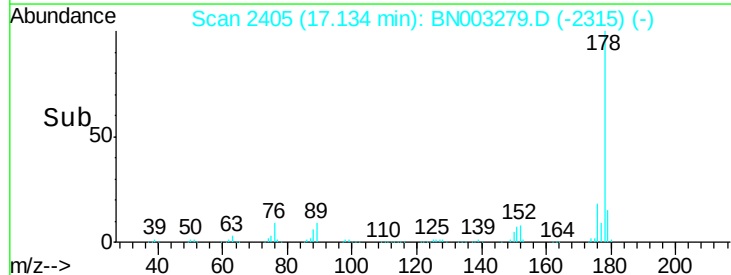
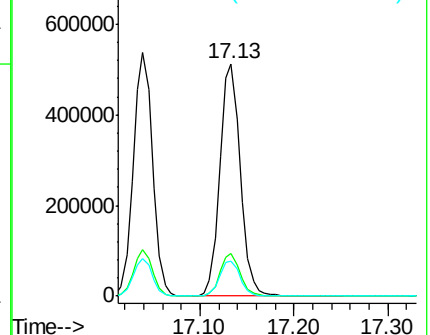
179 15.1 12.1 18.1

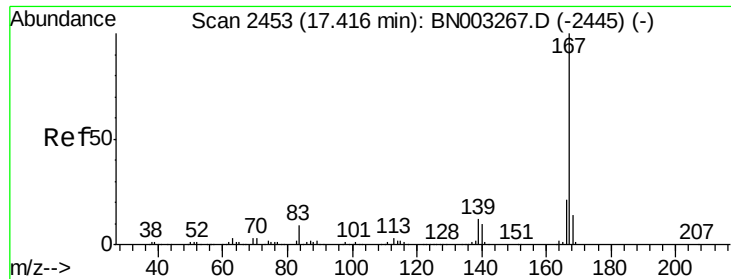


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 19.260 ng

RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

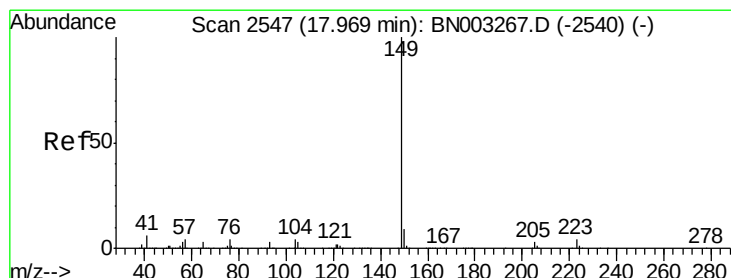
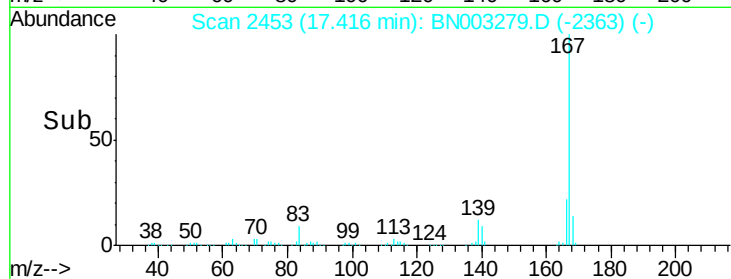
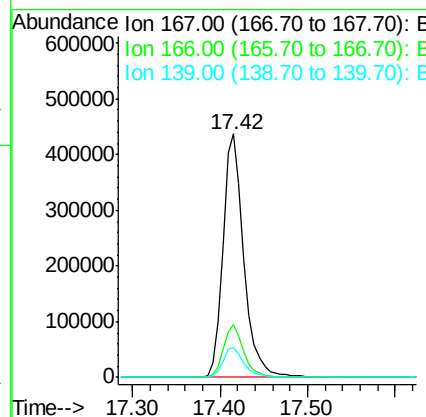
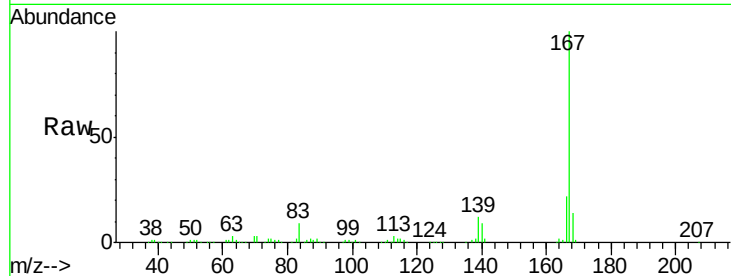
Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

Tgt Ion:	167	Resp:	716257
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	12.3	9.9	14.9



#74

Di-n-butylphthalate

Concen: 20.179 ng

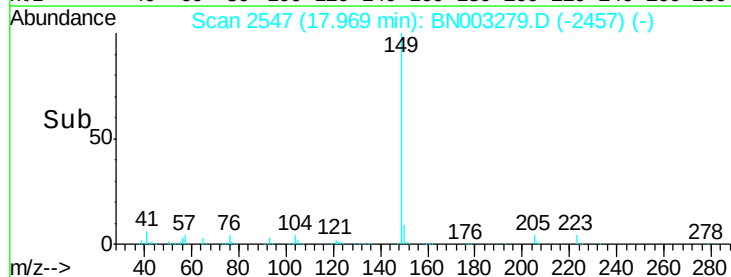
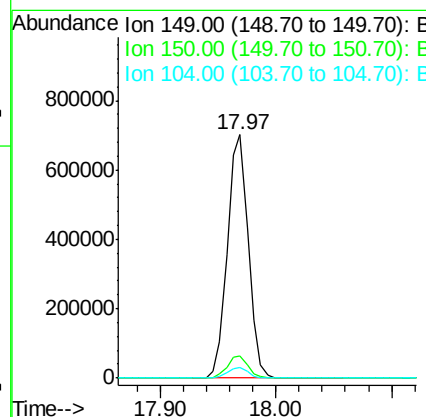
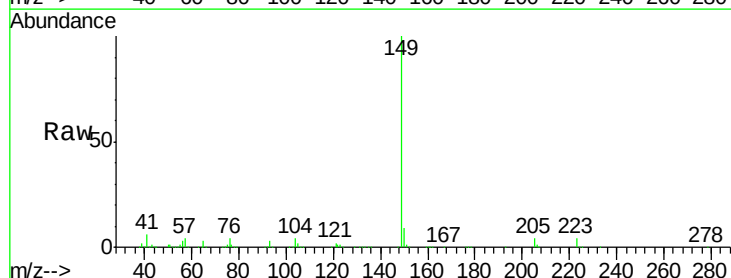
RT: 17.97 min Scan# 2547

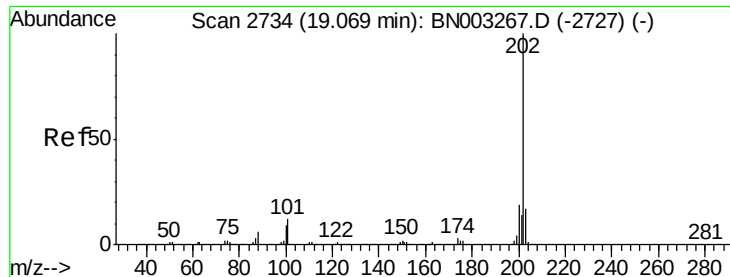
Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Tgt Ion:	149	Resp:	875337
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.3	3.6	5.4





#75

Fluoranthene

Concen: 21.393 ng

RT: 19.07 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

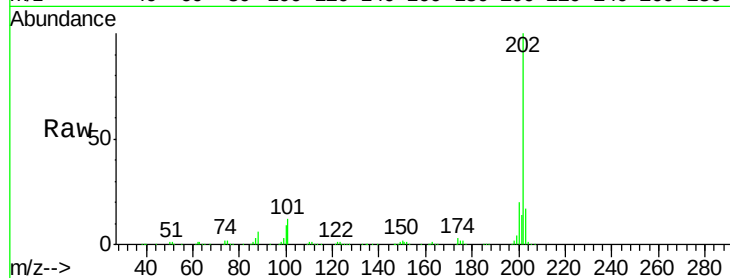
Tgt Ion:202 Resp: 906995

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.3

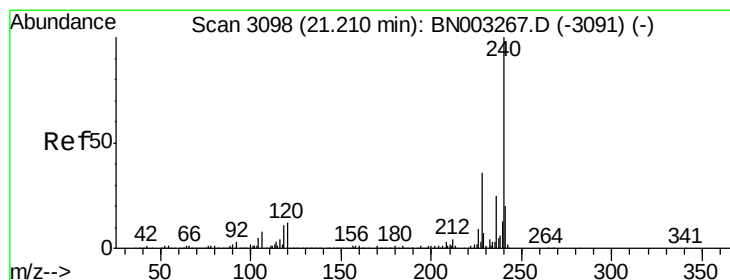
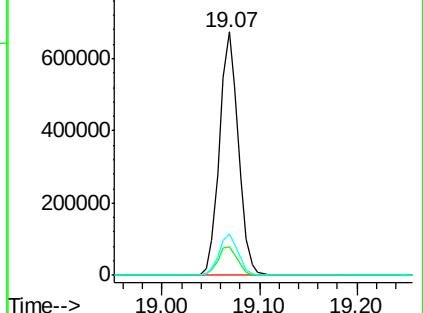
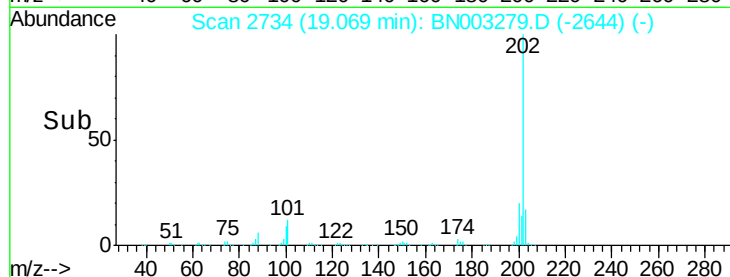
203 17.2 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

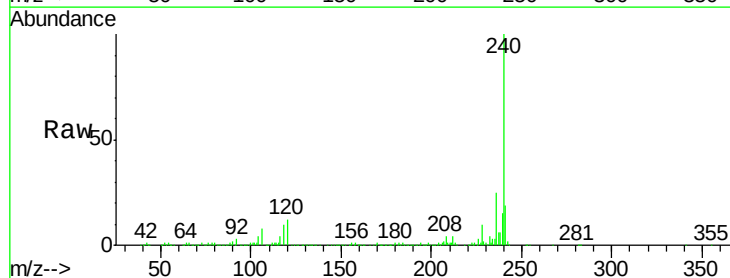
Tgt Ion:240 Resp: 741474

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.0

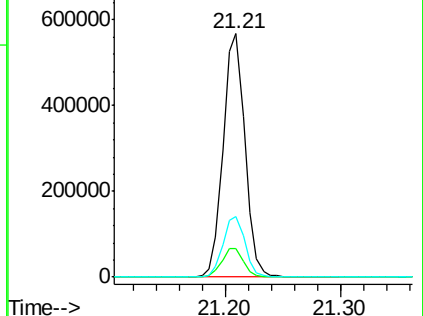
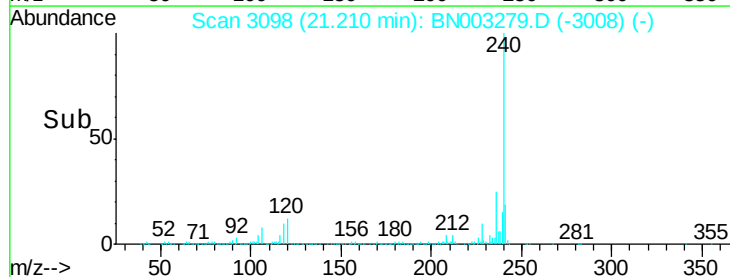
236 25.1 20.3 30.5

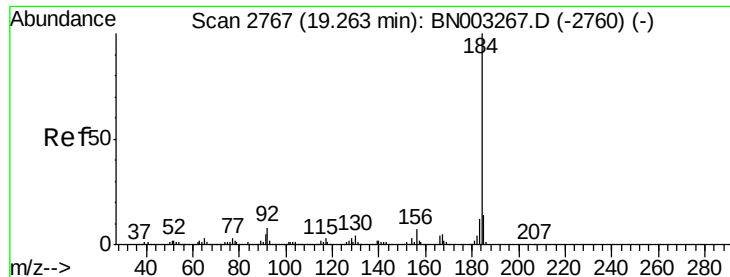


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 14.001 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

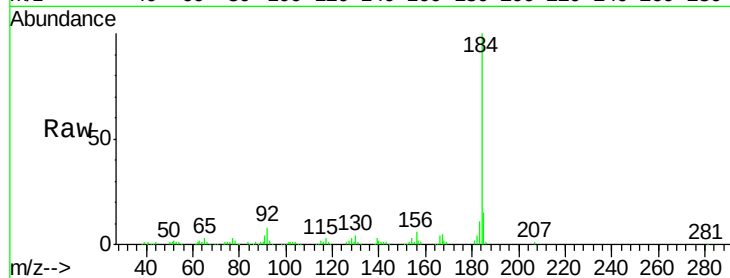
Tgt Ion:184 Resp: 303928

Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

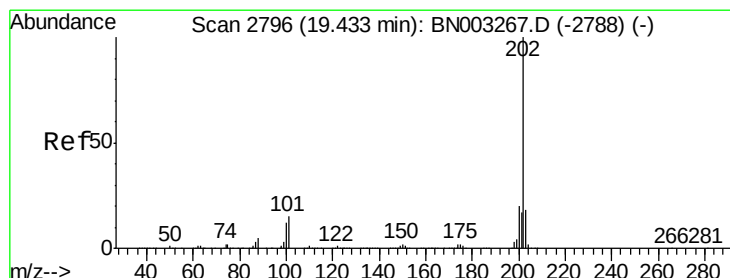
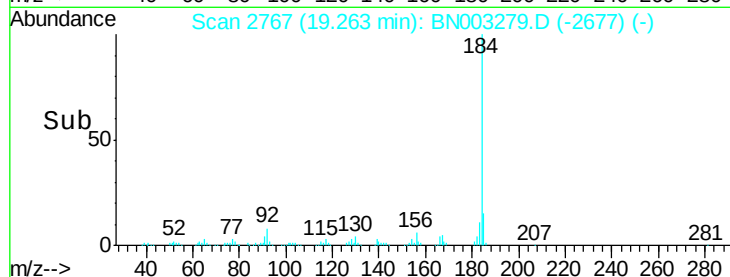
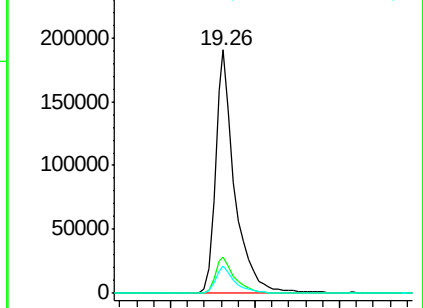
183 11.3 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 21.196 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

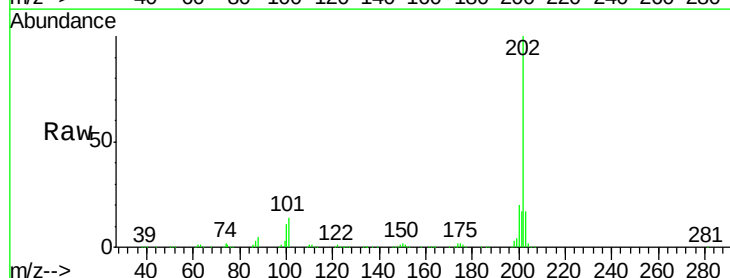
Tgt Ion:202 Resp: 923703

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.4

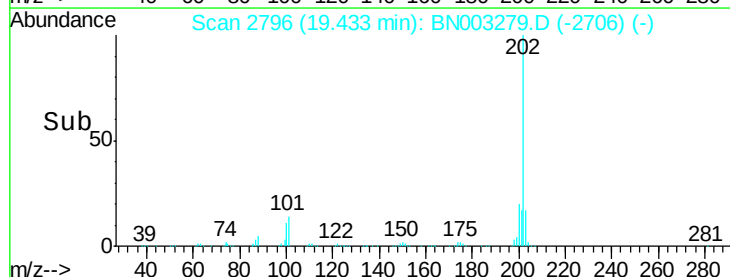
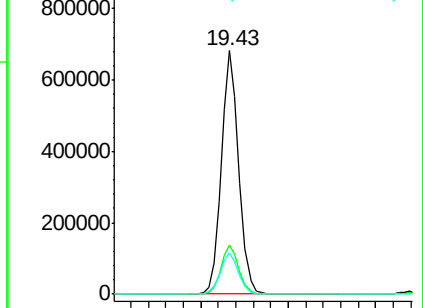
203 17.0 14.3 21.5

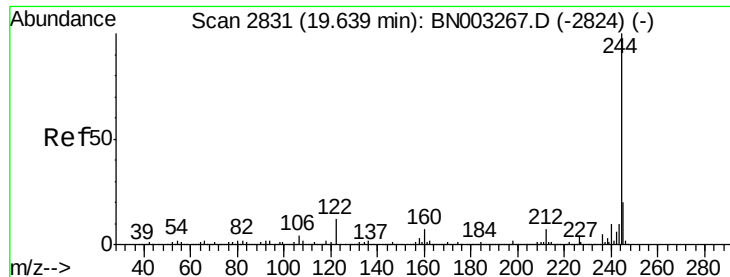


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.105 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

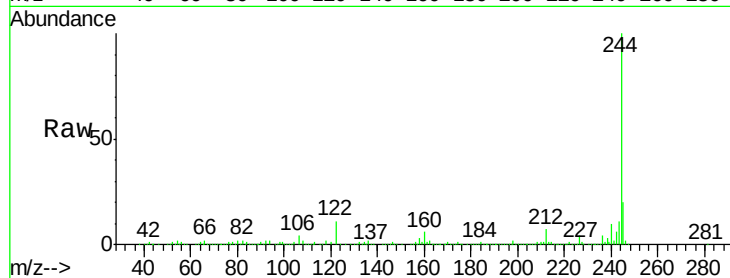
Tgt Ion:244 Resp: 2742702

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

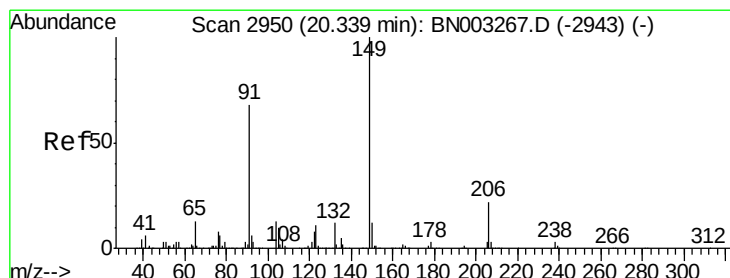
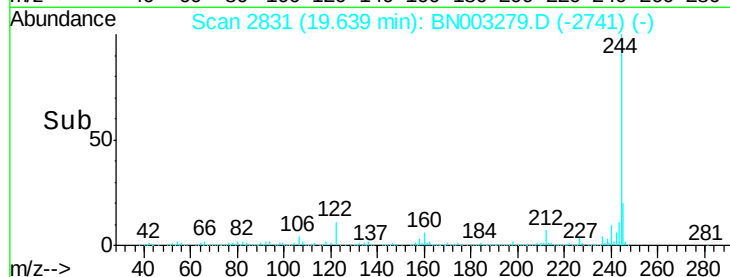
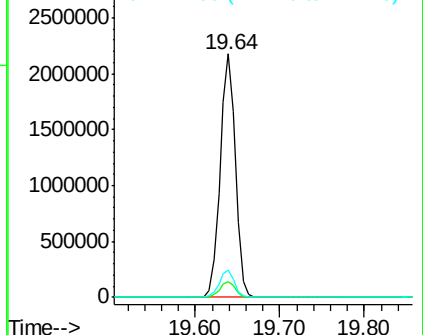
122 11.3 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 20.247 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

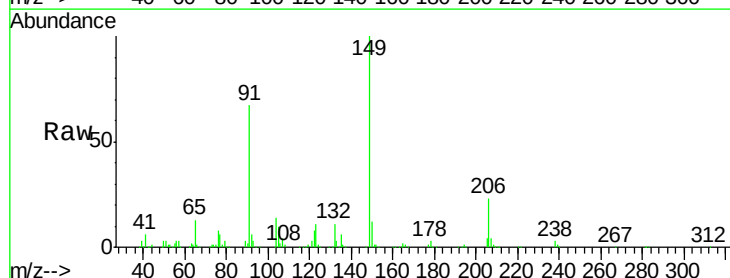
Tgt Ion:149 Resp: 409705

Ion Ratio Lower Upper

149 100

91 66.8 54.6 81.8

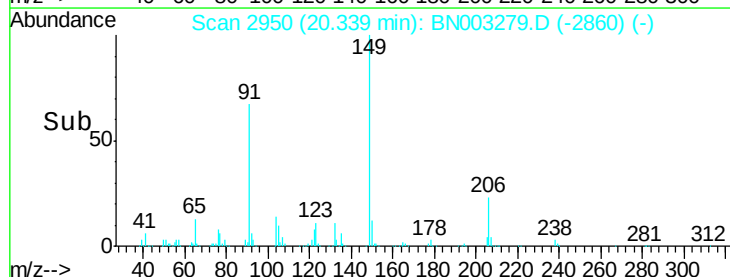
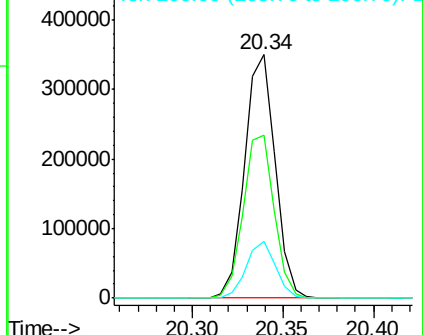
206 23.2 17.8 26.6

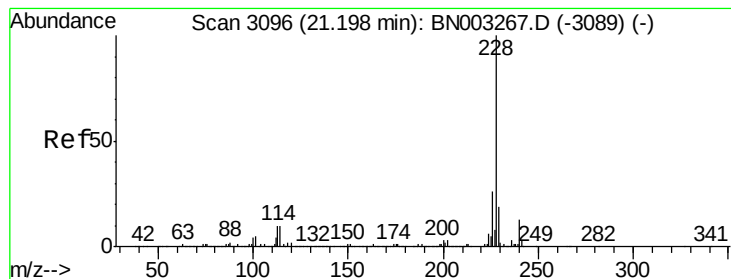


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 21.363 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

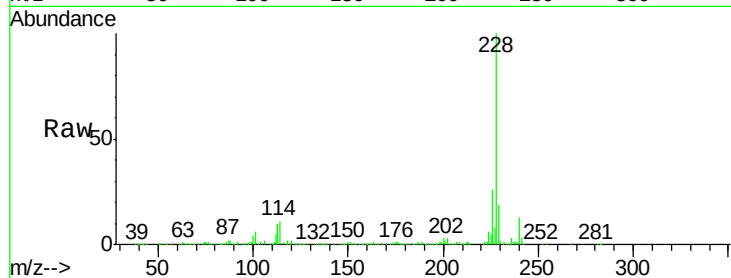
Tgt Ion:228 Resp: 922446

Ion Ratio Lower Upper

228 100

226 26.1 20.8 31.2

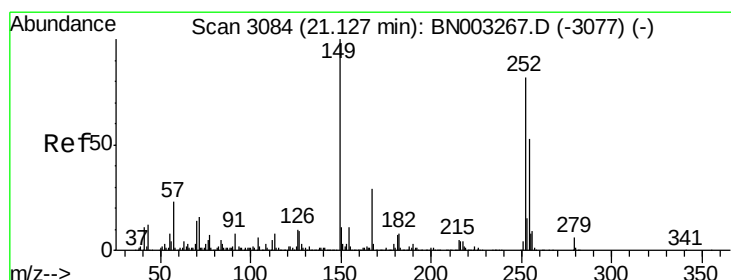
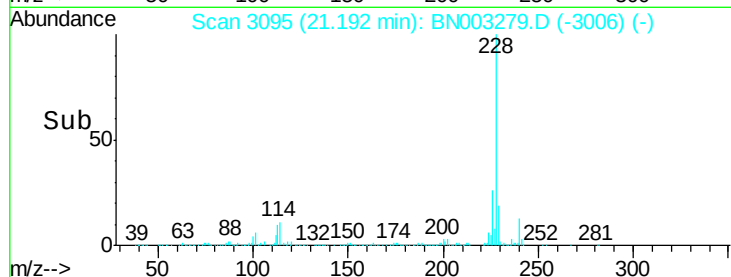
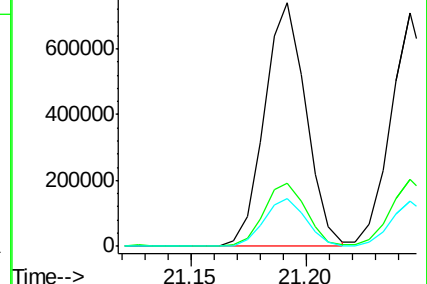
229 19.5 15.3 22.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 17.059 ng

RT: 21.13 min Scan# 3084

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

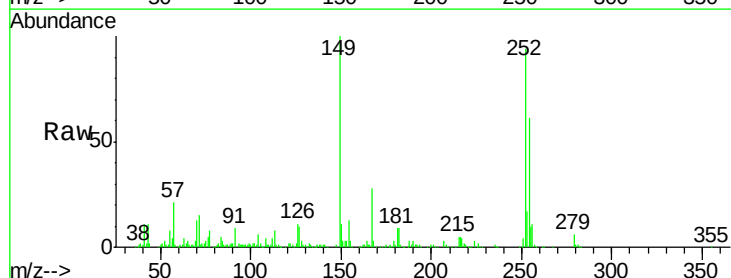
Tgt Ion:252 Resp: 304837

Ion Ratio Lower Upper

252 100

254 64.4 51.1 76.7

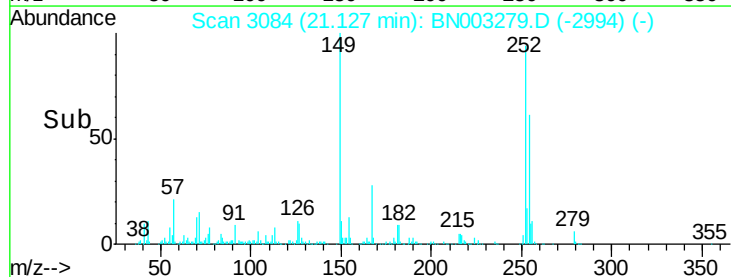
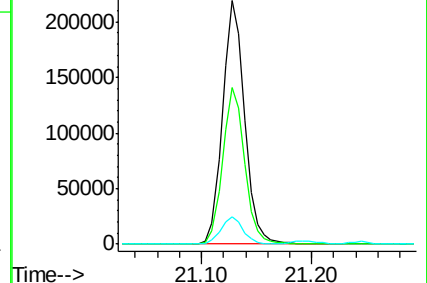
126 11.2 9.3 13.9

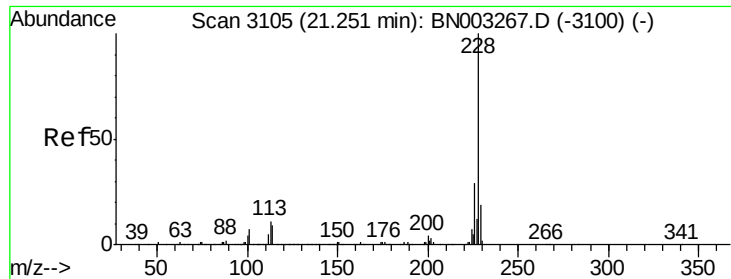


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 21.115 ng

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

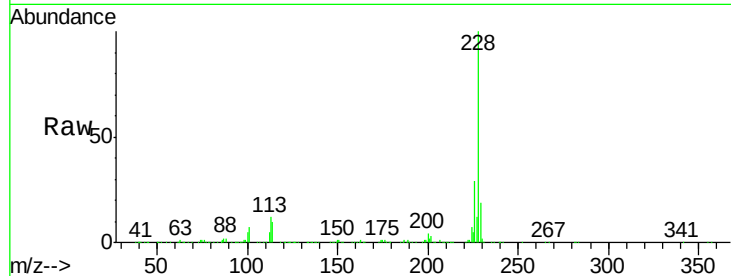
Tgt Ion:228 Resp: 876467

Ion Ratio Lower Upper

228 100

226 28.8 23.3 34.9

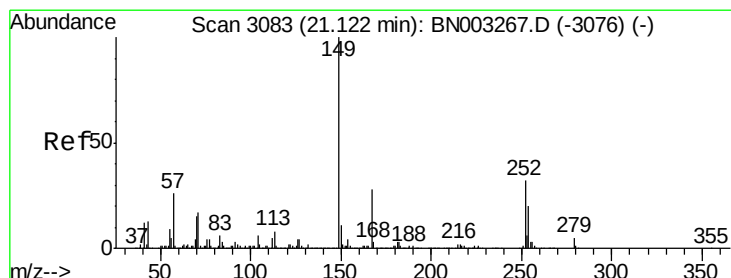
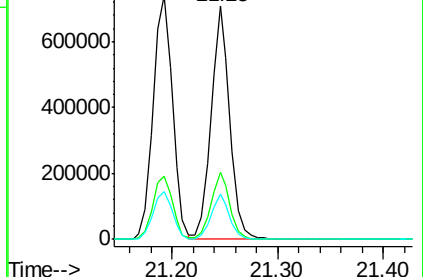
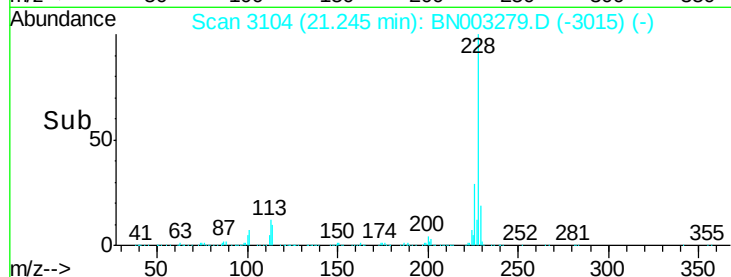
229 19.3 15.3 22.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.333 ng

RT: 21.12 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

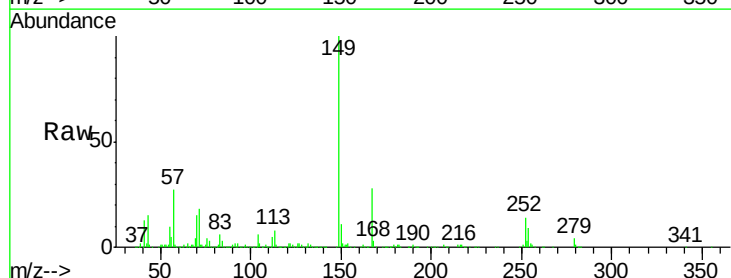
Tgt Ion:149 Resp: 610163

Ion Ratio Lower Upper

149 100

167 28.2 22.6 33.8

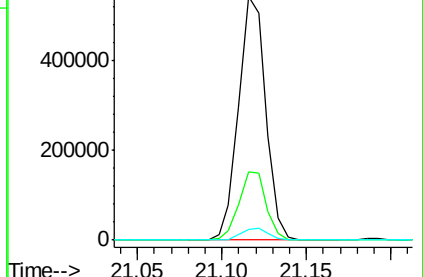
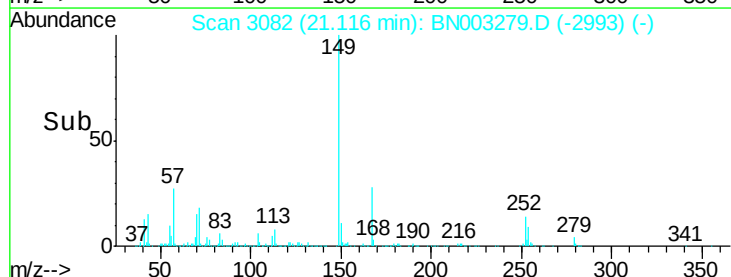
279 4.2 3.8 5.8

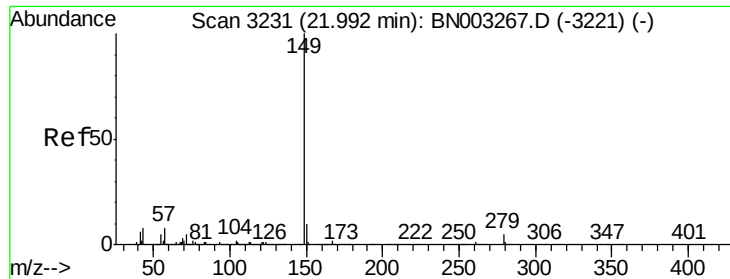


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 20.299 ng

RT: 21.99 min Scan# 3230

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

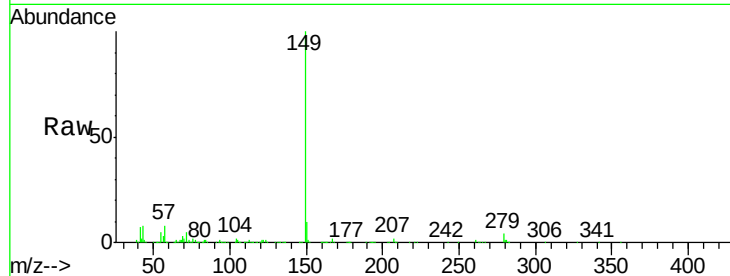
Tgt Ion:149 Resp: 1045311

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

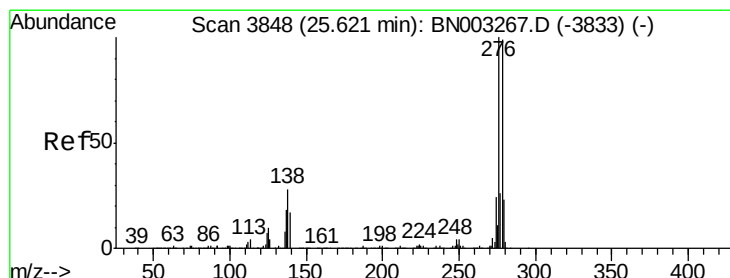
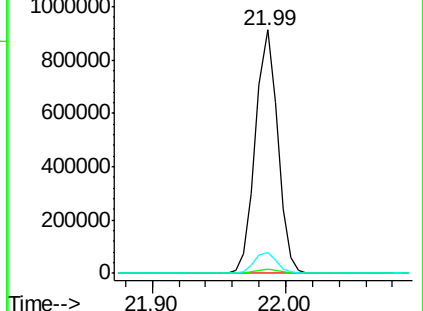
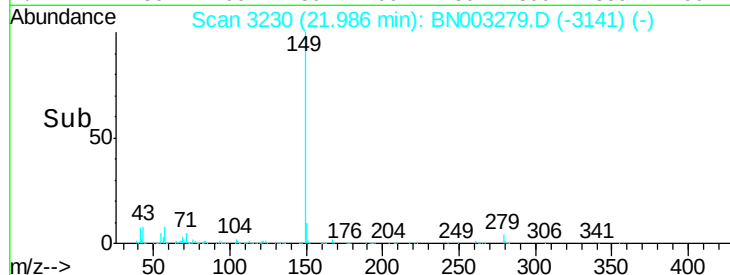
43 8.6 6.9 10.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#86

Indeno(1,2,3-cd)pyrene

Concen: 19.669 ng

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

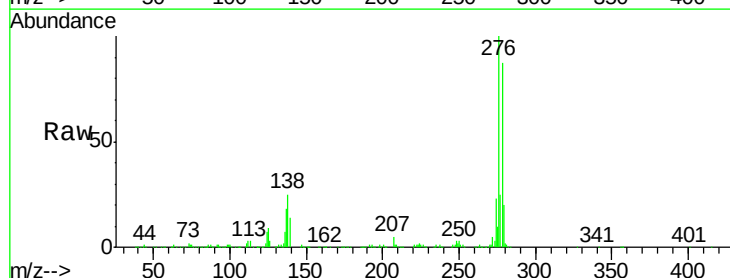
Tgt Ion:276 Resp: 935670

Ion Ratio Lower Upper

276 100

138 26.6 21.2 31.8

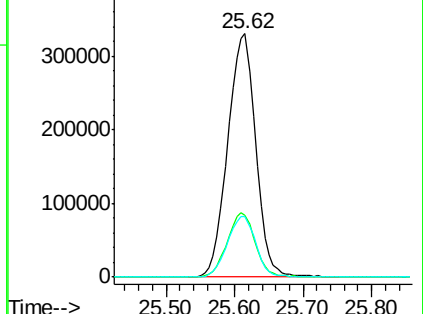
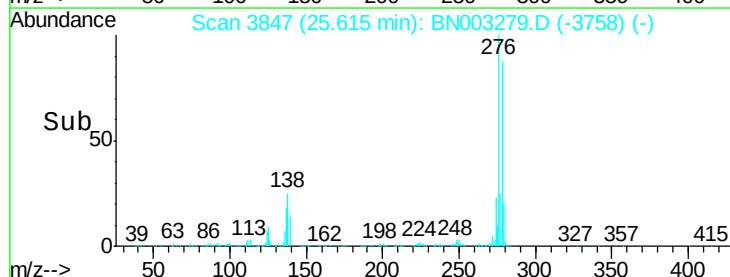
277 25.3 20.2 30.4

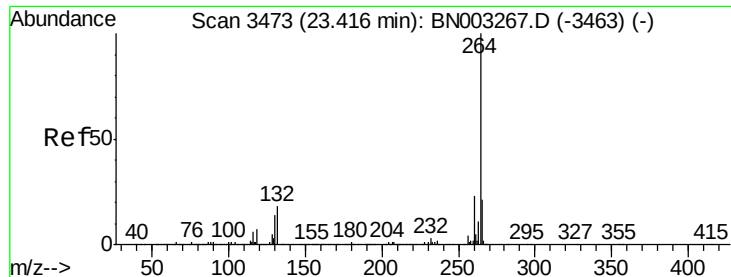


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.42 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

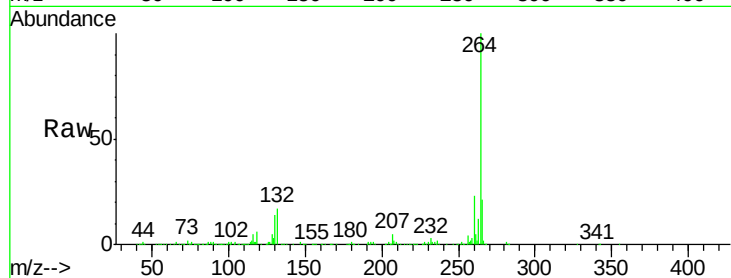
Tgt Ion:264 Resp: 741164

Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

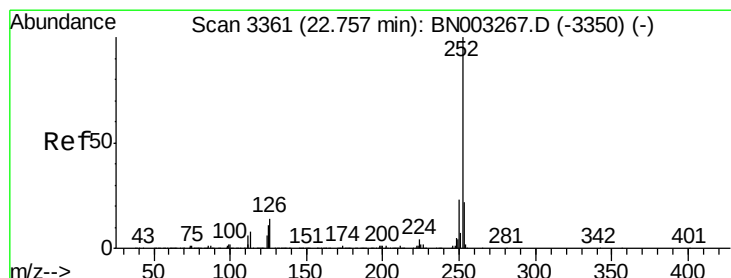
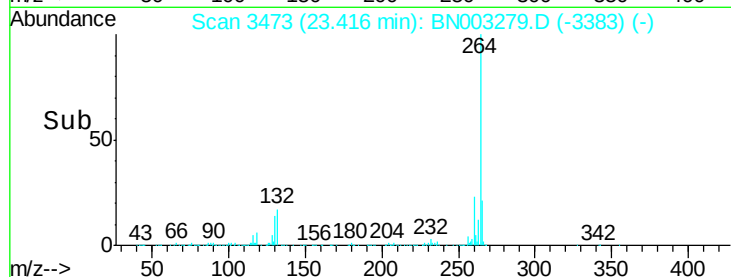
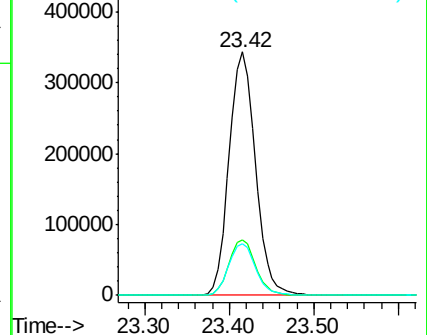
265 21.0 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 22.112 ng

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

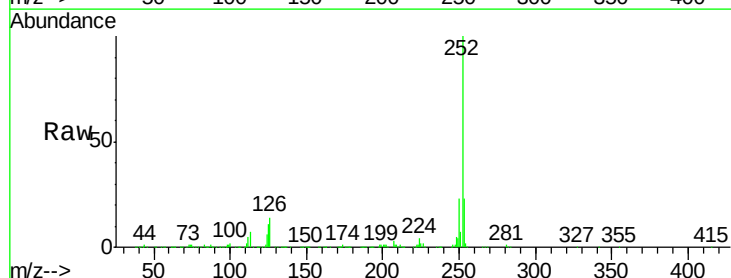
Tgt Ion:252 Resp: 902369

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

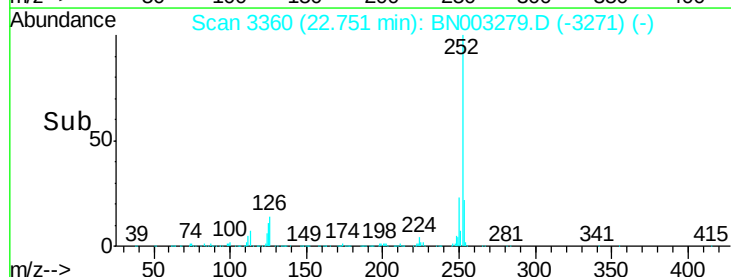
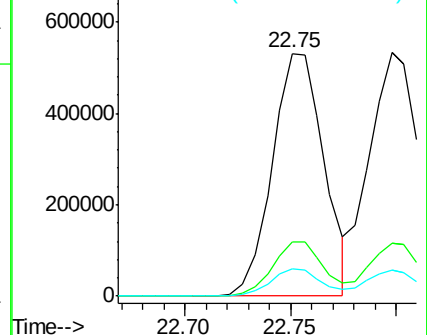
125 11.2 8.6 12.8

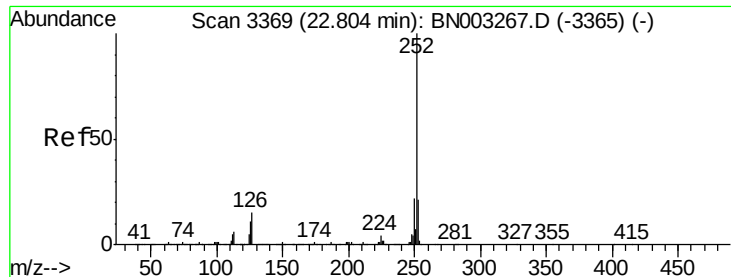


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 22.319 ng

RT: 22.80 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

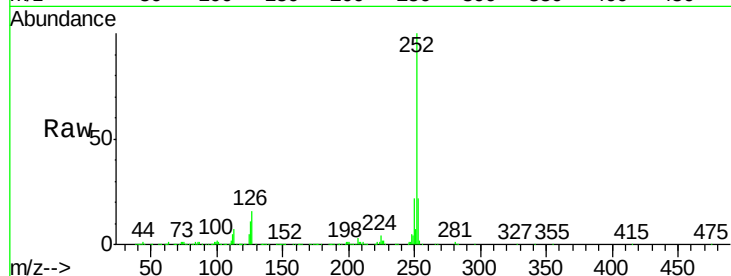
Tgt Ion:252 Resp: 893298

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

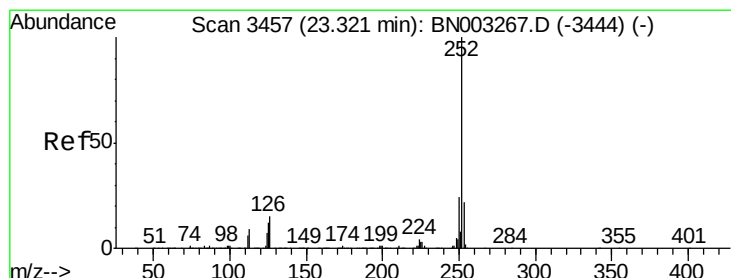
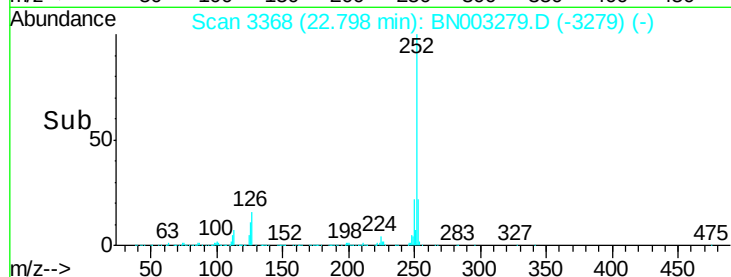
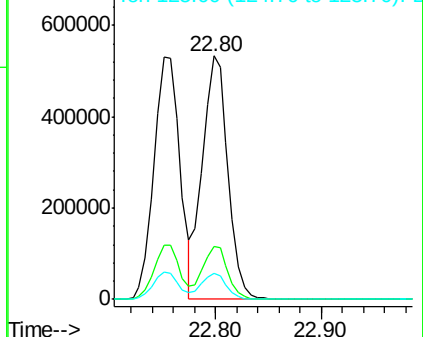
125 10.9 8.7 13.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 22.413 ng

RT: 23.32 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

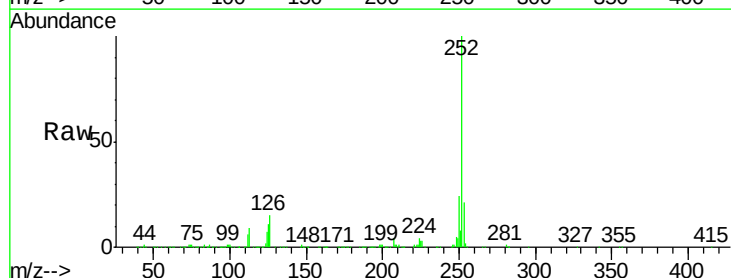
Tgt Ion:252 Resp: 871688

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

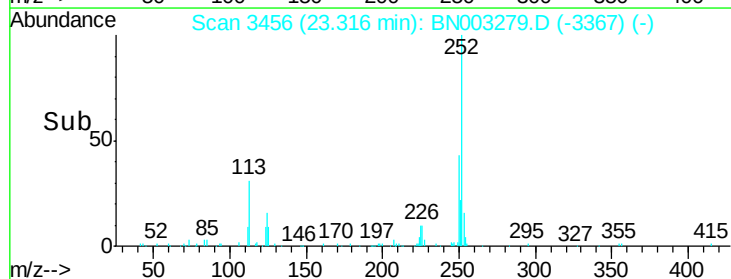
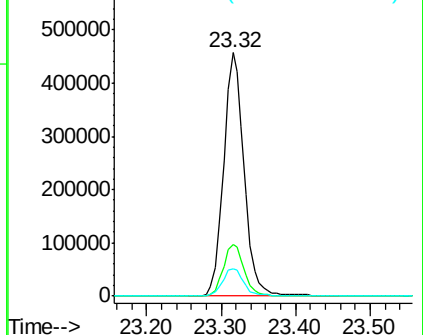
125 11.4 9.6 14.4

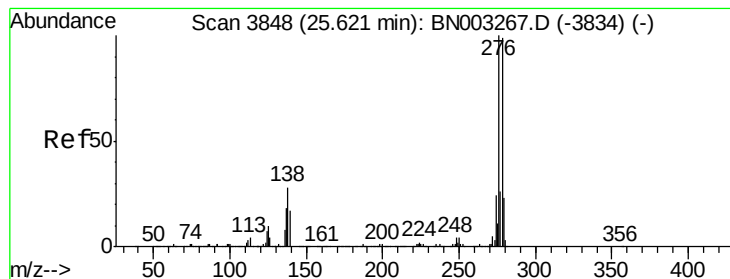


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 20.591 ng

RT: 25.62 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT4-2018

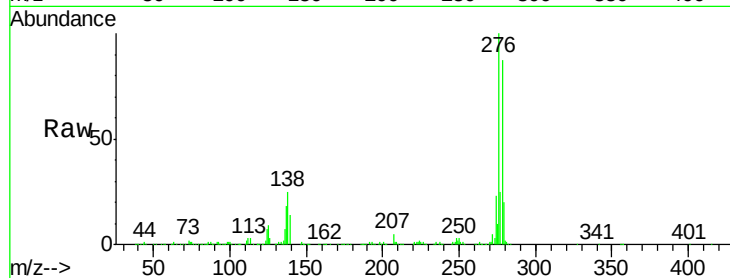
Tgt Ion: 278 Resp: 792670

Ion Ratio Lower Upper

278 100

139 16.4 13.9 20.9

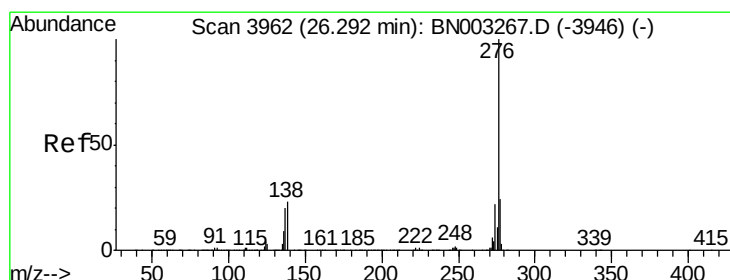
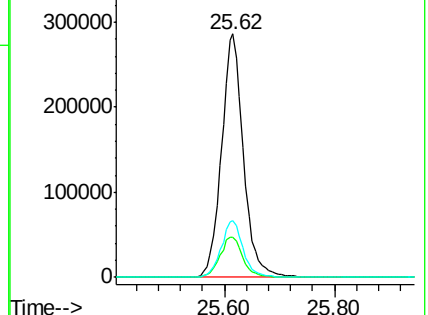
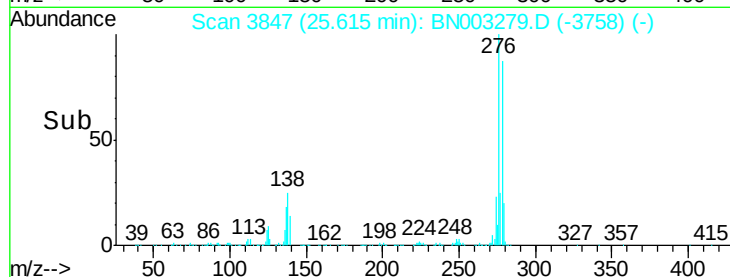
279 23.2 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 20.662 ng

RT: 26.29 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BN003279.D

Acq: 24 Oct 2018 19:41

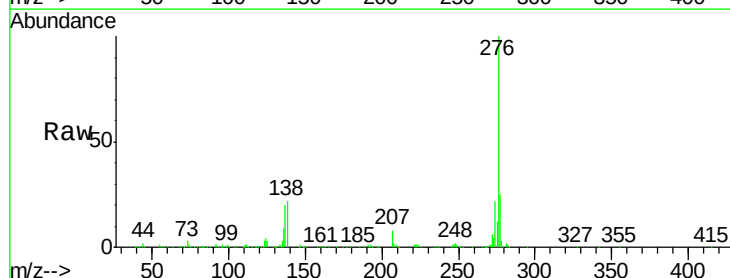
Tgt Ion: 276 Resp: 763597

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 22.4 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

