

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003282.D
 Acq On : 24 Oct 2018 21:28
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 5PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 25 05:24:17 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	96528	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	447439	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	286356	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	681193	20.00	ng	0.00
76) Chrysene-d12	21.21	240	766925	20.00	ng	0.00
87) Perylene-d12	23.41	264	798124	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	803695	145.02	ng	0.00
7) Phenol-d6	6.80	99	1128442	143.19	ng	0.00
23) Nitrobenzene-d5	8.76	82	646699	82.89	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	559653	145.14	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1728240	81.86	ng	0.00
79) Terphenyl-d14	19.64	244	2807485	78.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	11505	4.372	ng	88
3) Pyridine	3.61	79	26544	4.414	ng	94
4) n-Nitrosodimethylamine	3.53	42	10631	4.802	ng	# 93
6) Aniline	6.95	93	44912	4.564	ng	98
8) 2-Chlorophenol	7.18	128	33737	4.942	ng	97
9) Benzaldehyde	6.77	77	23283	5.087	ng	91
10) Phenol	6.82	94	43869	5.275	ng	85
11) bis(2-Chloroethyl)ether	7.04	93	33608	4.948	ng	97
12) 1,3-Dichlorobenzene	7.49	146	37631	4.958	ng	98
13) 1,4-Dichlorobenzene	7.63	146	38198	4.888	ng	97
14) 1,2-Dichlorobenzene	7.95	146	37688	4.969	ng	97
15) Benzyl Alcohol	7.86	79	20798	3.662	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.13	45	50377	5.059	ng	93
17) 2-Methylphenol	8.06	107	30275	5.327	ng	97
18) Hexachloroethane	8.65	117	13267	4.846	ng	90
19) n-Nitroso-di-n-propylamine	8.40	70	26652	4.690	ng	97
20) 3+4-Methylphenols	8.40	107	40729	5.045	ng	95
22) Acetophenone	8.43	105	53963	4.975	ng	96
24) Nitrobenzene	8.80	77	41226	5.178	ng	98
25) Isophorone	9.32	82	76976	5.625	ng	98
26) 2-Nitrophenol	9.52	139	18582	4.434	ng	97
27) 2,4-Dimethylphenol	9.59	122	31280	5.309	ng	96
28) bis(2-Chloroethoxy)methane	9.80	93	48459	5.256	ng	96
29) 2,4-Dichlorophenol	10.09	162	31785	4.727	ng	97
30) 1,2,4-Trichlorobenzene	10.25	180	37061	4.849	ng	97
31) Naphthalene	10.42	128	115873	5.299	ng	100
32) Benzoic acid	9.73	122	8465	6.510	ng	# 77
33) 4-Chloroaniline	10.57	127	41675	4.314	ng	95
34) Hexachlorobutadiene	10.69	225	21078	4.621	ng	93
35) Caprolactam	11.32	113	10167	3.862	ng	# 89
36) 4-Chloro-3-methylphenol	11.72	107	37234	4.965	ng	95
37) 2-Methylnaphthalene	12.05	142	88511	5.665	ng	99
38) 1-Methylnaphthalene	12.26	142	84883	5.562	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.43	216	43072	4.547	ng	99

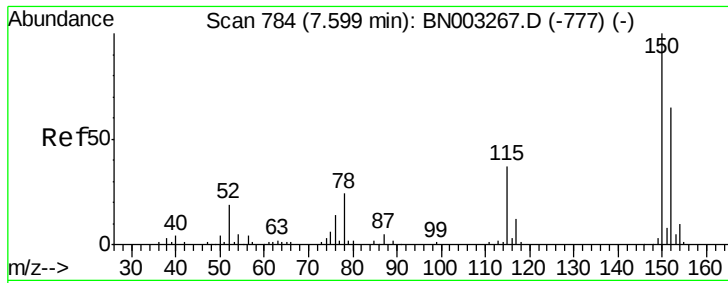
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.39	237	6285	10.288	ng	98
43) 2,4,6-Trichlorophenol	12.69	196	26982	4.508	ng	96
44) 2,4,5-Trichlorophenol	12.79	196	29962	4.799	ng	95
46) 1,1'-Biphenyl	13.07	154	118559	4.717	ng	98
47) 2-Chloronaphthalene	13.12	162	88378	4.767	ng	98
48) 2-Nitroaniline	13.35	65	22630	4.155	ng	97
49) Acenaphthylene	13.96	152	149708	5.276	ng	99
50) Dimethylphthalate	13.71	163	118686	5.126	ng	100
51) 2,6-Dinitrotoluene	13.84	165	25367	4.827	ng	91
52) Acenaphthene	14.30	154	88104	5.124	ng	96
53) 3-Nitroaniline	14.19	138	21724	3.867	ng	# 95
54) 2,4-Dinitrophenol	14.47	184	5416	8.110	ng	91
55) Dibenzofuran	14.65	168	143143	5.118	ng	99
56) 4-Nitrophenol	14.60	139	5005	6.572	ng	92
57) 2,4-Dinitrotoluene	14.66	165	33769	4.739	ng	96
58) Fluorene	15.30	166	118806	5.504	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.90	232	27773	5.066	ng	# 95
60) Diethylphthalate	15.07	149	120000	5.107	ng	98
61) 4-Chlorophenyl-phenylether	15.29	204	60239	5.023	ng	98
62) 4-Nitroaniline	15.37	138	21943	3.998	ng	96
63) Azobenzene	15.59	77	110635	5.095	ng	99
65) 4,6-Dinitro-2-methylphenol	15.45	198	15445	3.249	ng	97
66) n-Nitrosodiphenylamine	15.52	169	105497	4.947	ng	99
67) 4-Bromophenyl-phenylether	16.19	248	37977	4.950	ng	98
68) Hexachlorobenzene	16.32	284	42217	4.830	ng	96
69) Atrazine	16.47	200	36581	4.840	ng	98
70) Pentachlorophenol	16.69	266	8892	8.382	ng	97
71) Phenanthrene	17.05	178	192270	5.369	ng	98
72) Anthracene	17.14	178	191665	5.363	ng	99
73) Carbazole	17.43	167	176123	4.759	ng	100
74) Di-n-butylphthalate	17.97	149	202834	4.699	ng	99
75) Fluoranthene	19.07	202	224506	5.321	ng	99
77) Benzidine	19.27	184	21043	0.937	ng	99
78) Pyrene	19.44	202	231846	5.144	ng	99
80) Butylbenzylphthalate	20.34	149	96601	4.616	ng	99
81) Benzo(a)anthracene	21.19	228	241588	5.409	ng	99
82) 3,3'-Dichlorobenzidine	21.13	252	75088	4.063	ng	94
83) Chrysene	21.25	228	227537	5.300	ng	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	145829	4.698	ng	100
85) Di-n-octyl phthalate	21.99	149	256749	4.820	ng	99
86) Indeno(1,2,3-cd)pyrene	25.62	276	258732	5.258	ng	99
88) Benzo(b)fluoranthene	22.76	252	238374	5.424	ng	99
89) Benzo(k)fluoranthene	22.80	252	238085	5.524	ng	99
90) Benzo(a)pyrene	23.32	252	232436	5.550	ng	99
91) Dibenzo(a,h)anthracene	25.62	278	216580	5.225	ng	99
92) Benzo(g,h,i)perylene	26.30	276	210959	5.301	ng	99

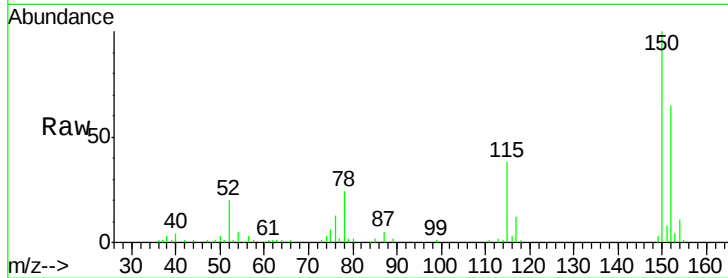
(#) = qualifier out of range (m) = manual integration (+) = signals summed



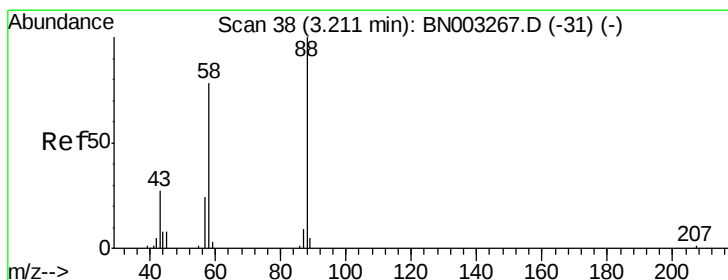
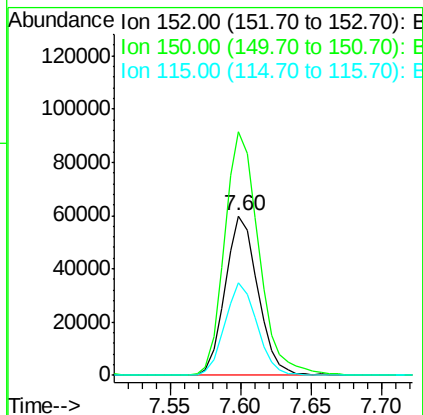
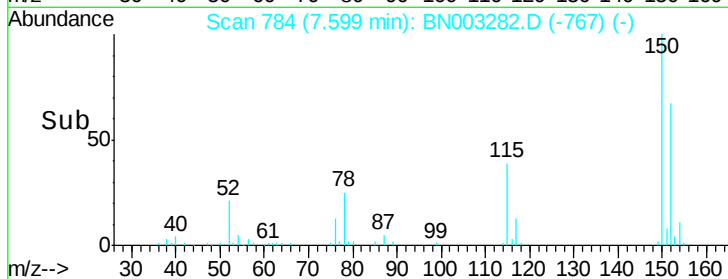
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:152 Resp: 96528
 Ion Ratio Lower Upper
 152 100
 150 152.8 123.8 185.8
 115 57.7 45.9 68.9

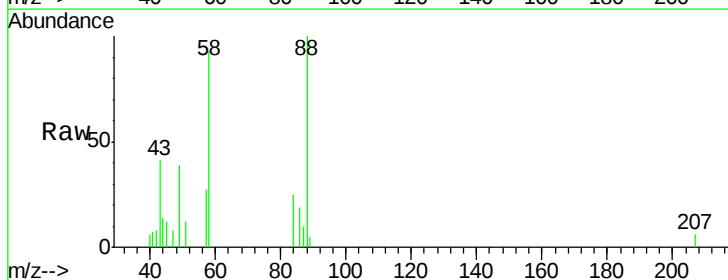


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

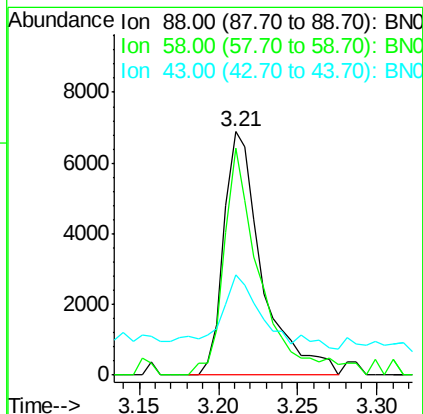
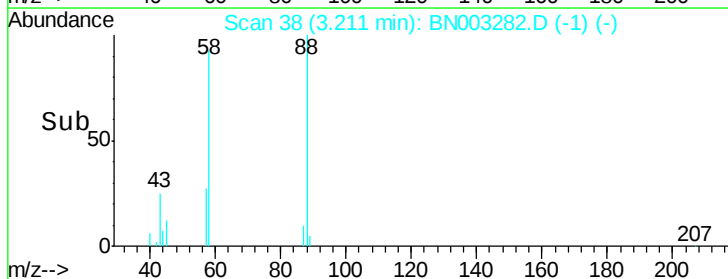


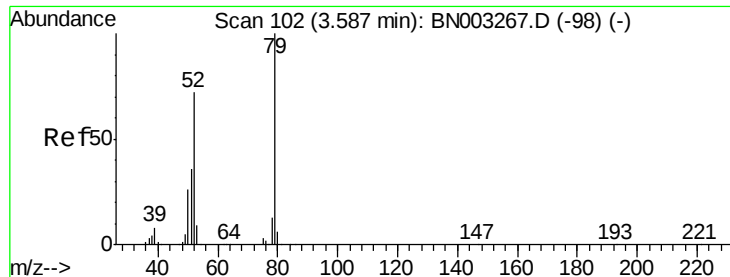
#2
 1,4-Dioxane
 Concen: 4.372 ng
 RT: 3.21 min Scan# 38
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion: 88 Resp: 11505
 Ion Ratio Lower Upper
 88 100
 58 89.2 61.1 91.7
 43 25.7 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

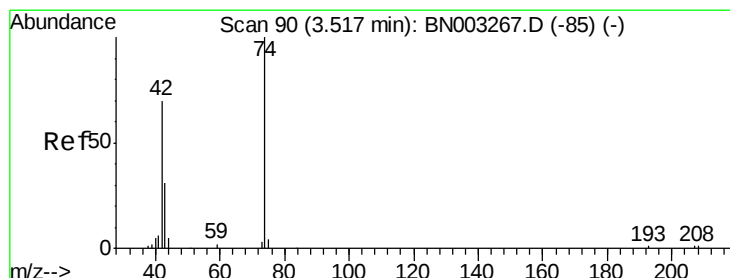
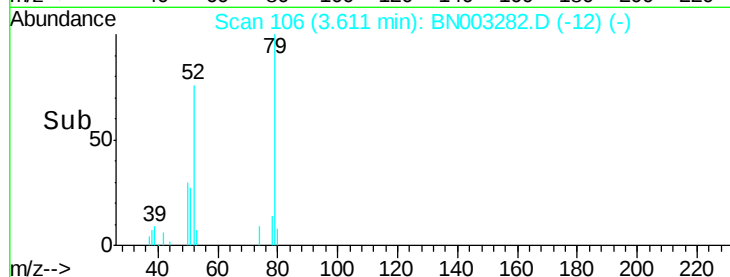
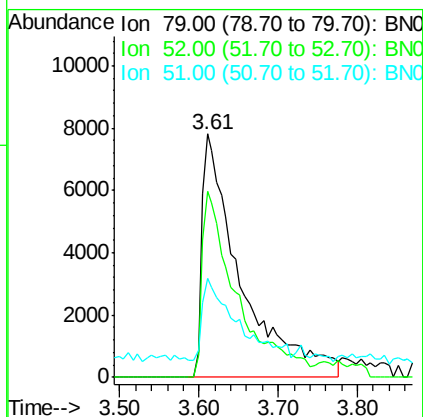
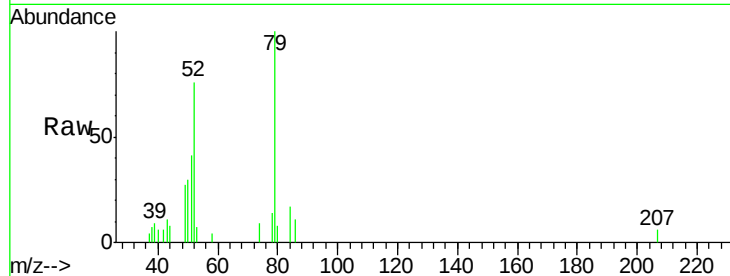




#3
 Pyridine
 Concen: 4.414 ng
 RT: 3.61 min Scan# 106
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

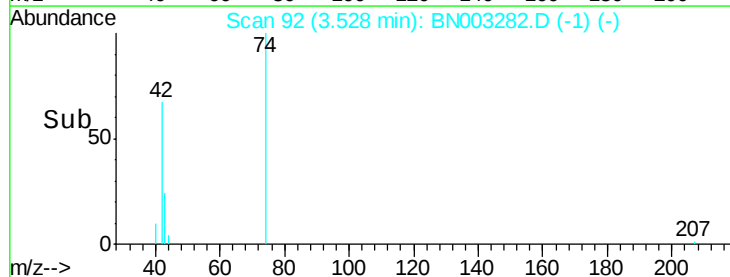
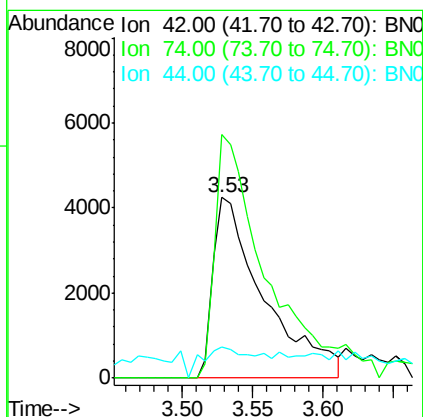
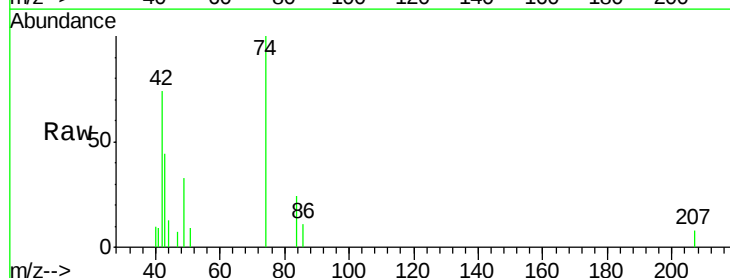
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

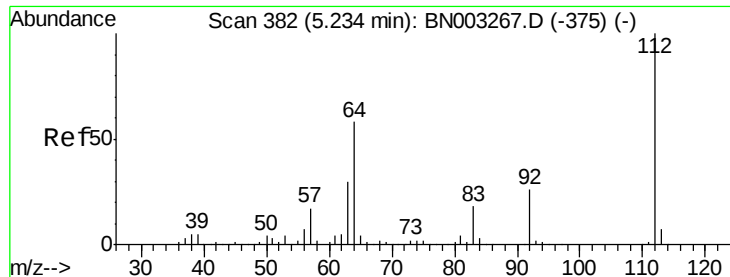
Tgt Ion: 79 Resp: 26544
 Ion Ratio Lower Upper
 79 100
 52 76.3 57.7 86.5
 51 40.8 28.7 43.1



#4
 n-Nitrosodimethylamine
 Concen: 4.802 ng
 RT: 3.53 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion: 42 Resp: 10631
 Ion Ratio Lower Upper
 42 100
 74 134.9 114.2 171.4
 44 17.0 6.1 9.1#





#5

2-Fluorophenol

Concen: 145.018 ng

RT: 5.23 min Scan# 381

Delta R.T. -0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

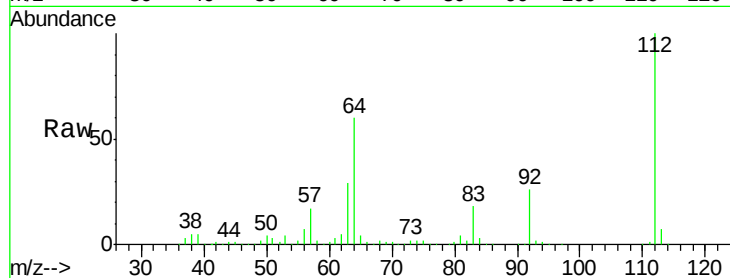
Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

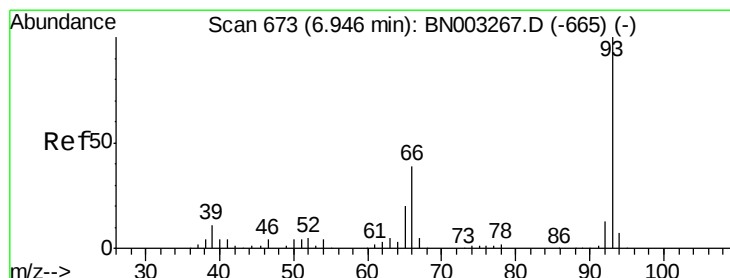
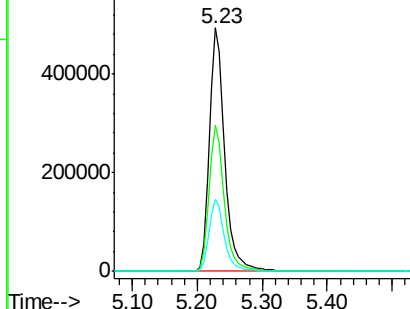
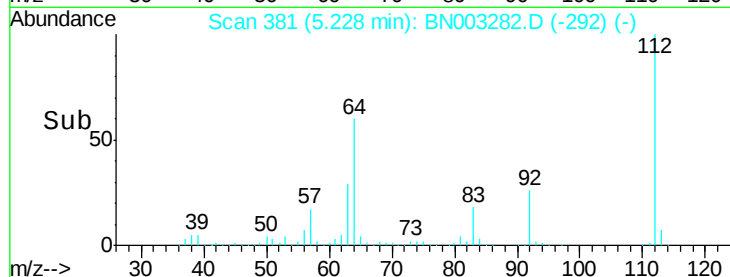
Tgt Ion:	112	Resp:	803695
Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.6	69.8
63	29.5	23.8	35.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 4.564 ng

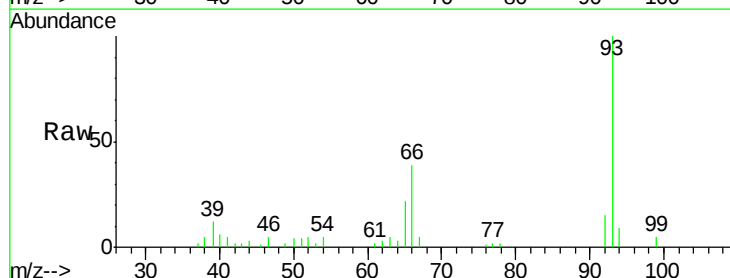
RT: 6.95 min Scan# 673

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

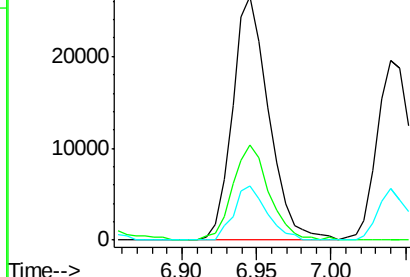
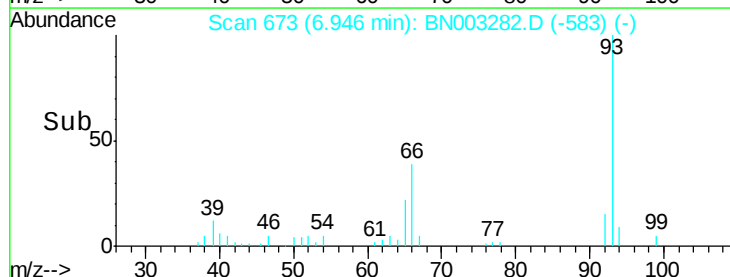
Tgt Ion:	93	Resp:	44912
Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.4	47.0
65	22.1	15.7	23.5

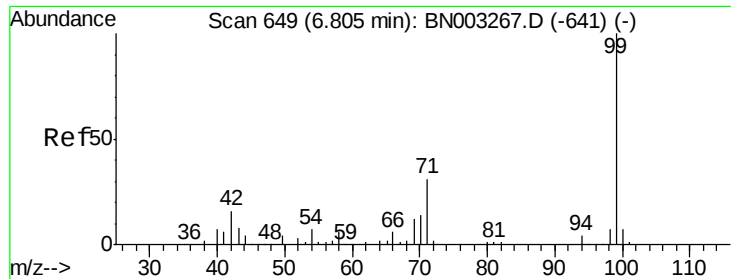


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 143.194 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

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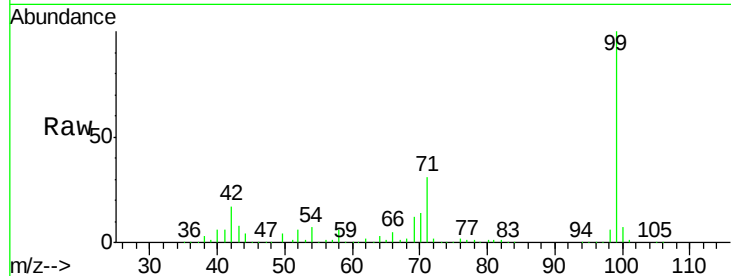
Tgt Ion: 99 Resp: 1128442

Ion Ratio Lower Upper

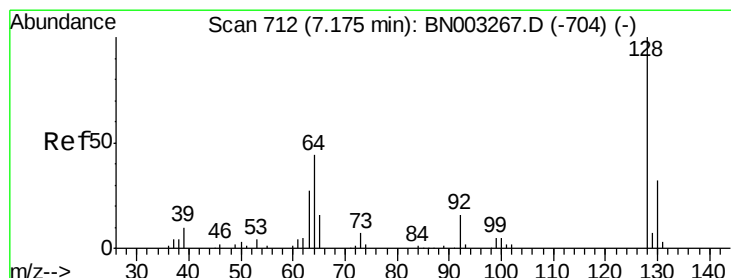
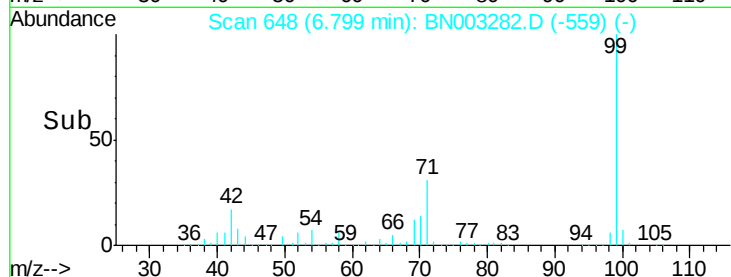
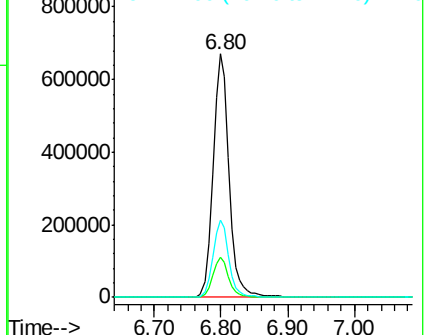
99 100

42 16.7 13.0 19.6

71 31.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#8

2-Chlorophenol

Concen: 4.942 ng

RT: 7.18 min Scan# 712

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

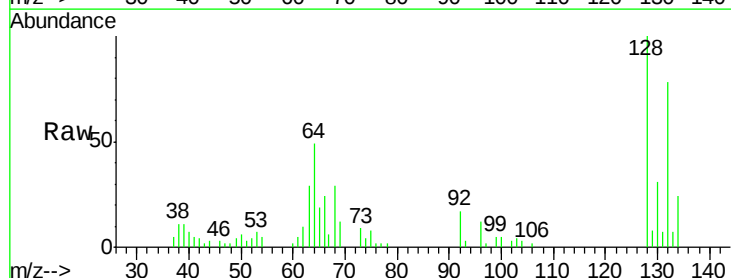
Tgt Ion: 128 Resp: 33737

Ion Ratio Lower Upper

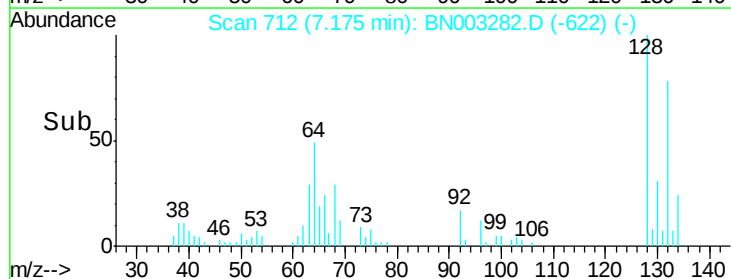
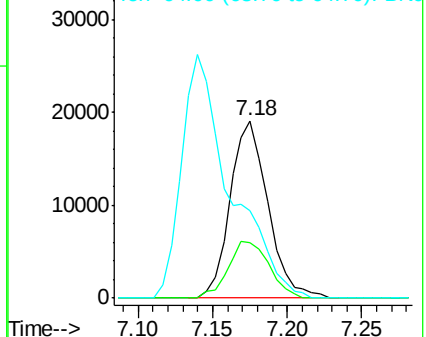
128 100

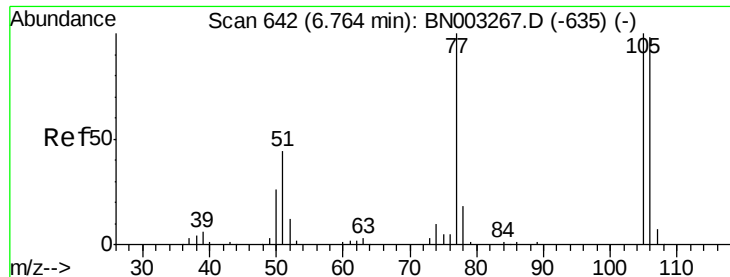
130 31.4 12.4 52.4

64 49.4 27.0 67.0



Abundance Ion 128.00 (127.70 to 128.70): BNC
Ion 130.00 (129.70 to 130.70): BNC
Ion 64.00 (63.70 to 64.70): BNC





#9

Benzaldehyde

Concen: 5.087 ng

RT: 6.77 min Scan# 643

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

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MDL-MDL-SOIL-03-QT4-2018

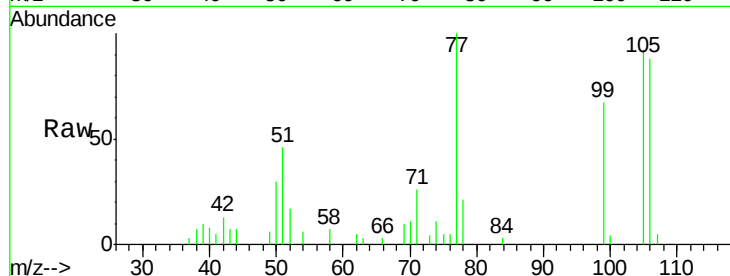
Tgt Ion: 77 Resp: 23283

Ion Ratio Lower Upper

77 100

105 92.2 79.9 119.9

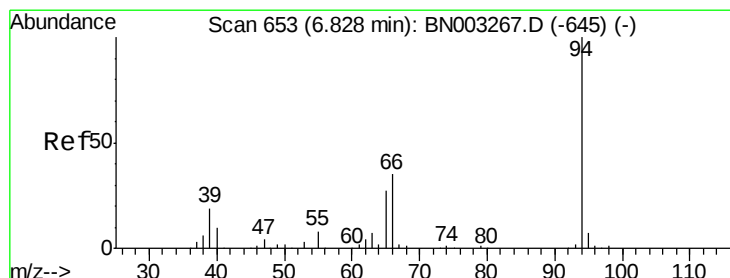
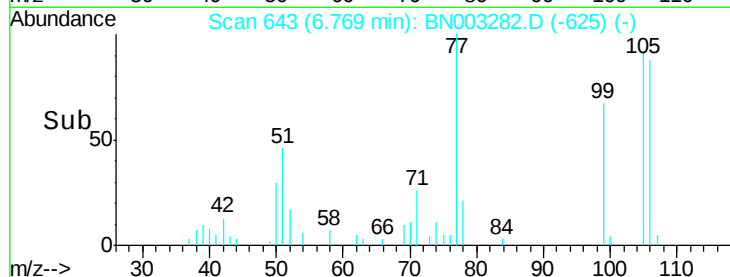
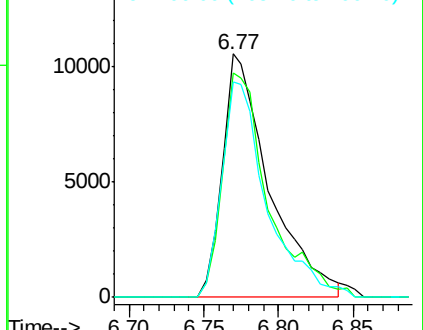
106 88.5 78.4 118.4



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#10

Phenol

Concen: 5.275 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

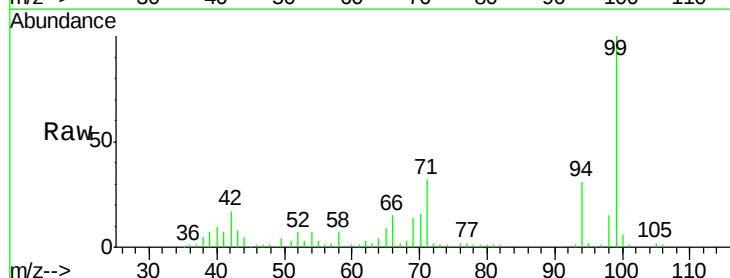
Tgt Ion: 94 Resp: 43869

Ion Ratio Lower Upper

94 100

65 30.8 7.7 47.7

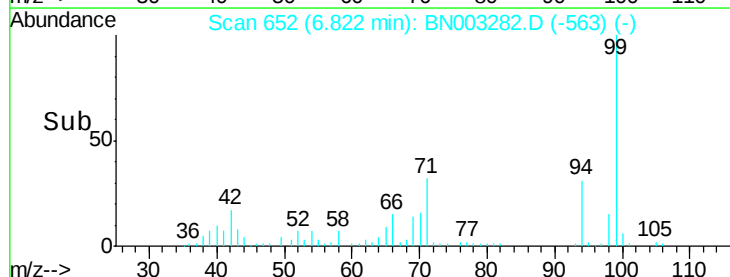
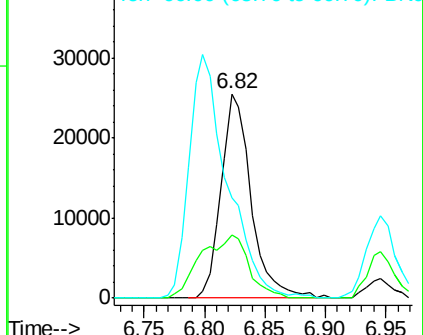
66 49.2 15.8 55.8

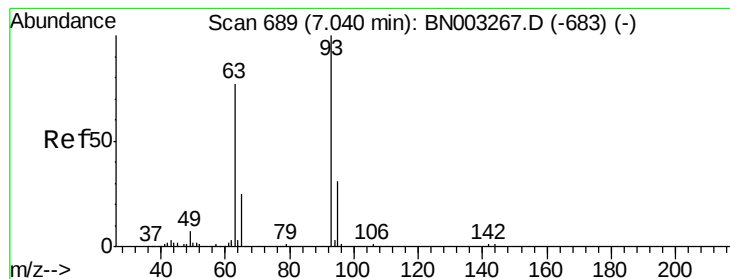


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#11

bis(2-Chloroethyl)ether

Concen: 4.948 ng

RT: 7.04 min Scan# 689

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

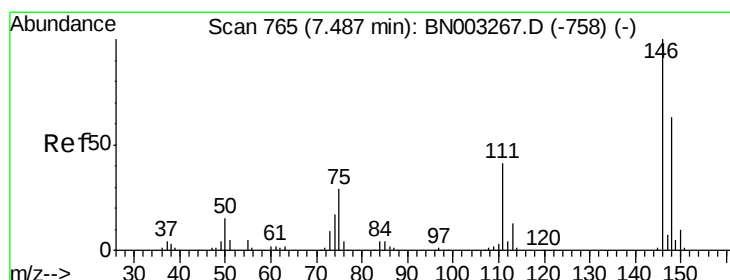
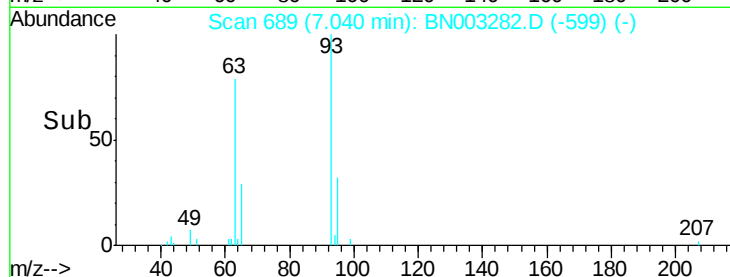
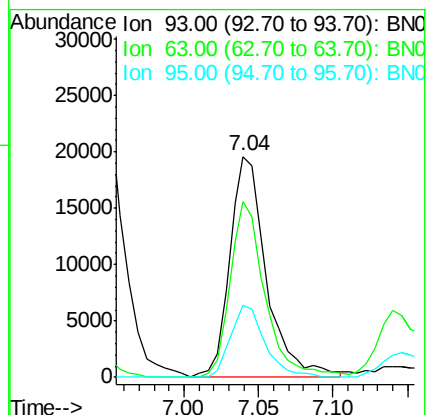
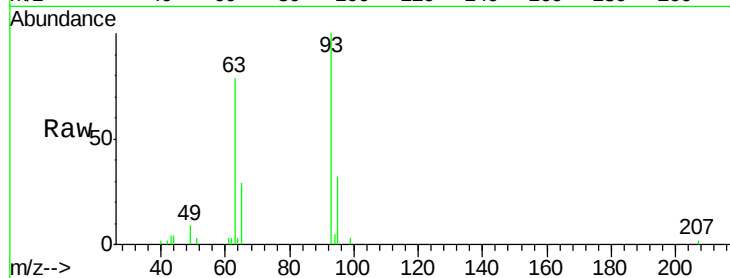
Tgt Ion: 93 Resp: 33608

Ion Ratio Lower Upper

93 100

63 79.3 56.6 96.6

95 32.4 10.9 50.9



#12

1,3-Dichlorobenzene

Concen: 4.958 ng

RT: 7.49 min Scan# 766

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

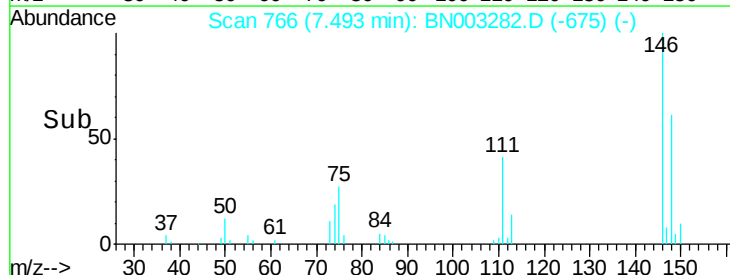
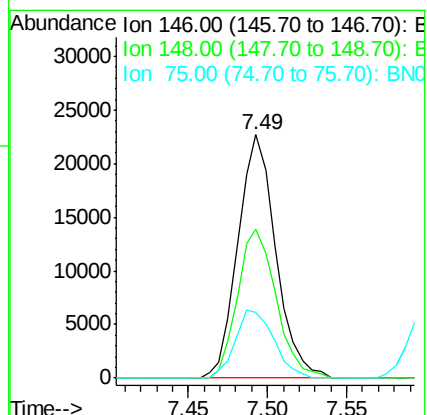
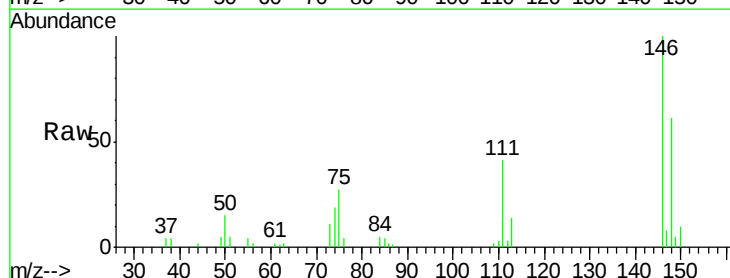
Tgt Ion: 146 Resp: 37631

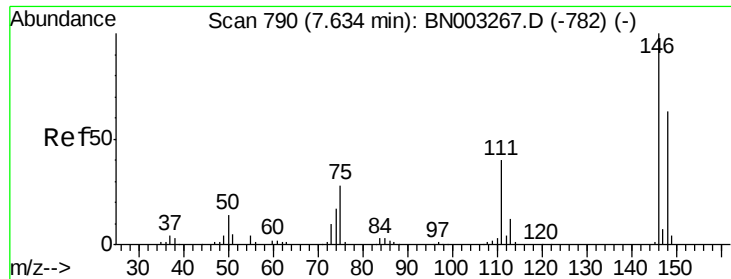
Ion Ratio Lower Upper

146 100

148 61.3 50.1 75.1

75 26.8 22.9 34.3

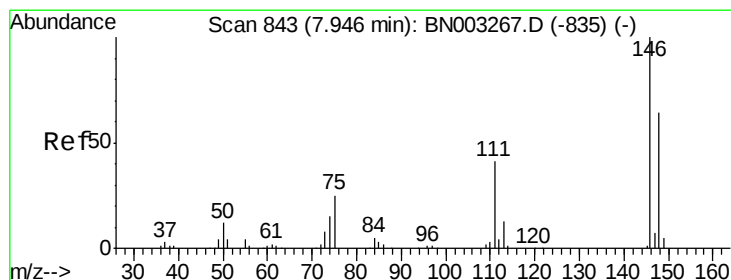
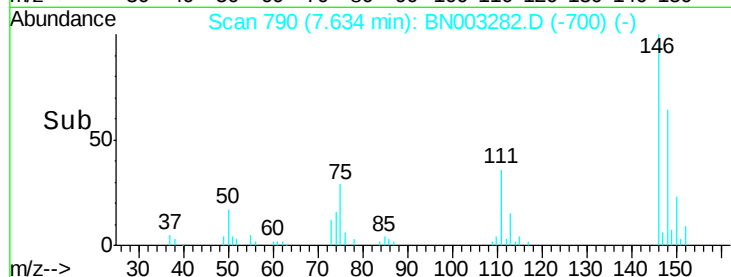
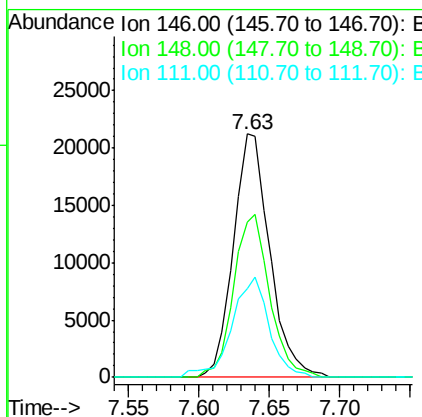
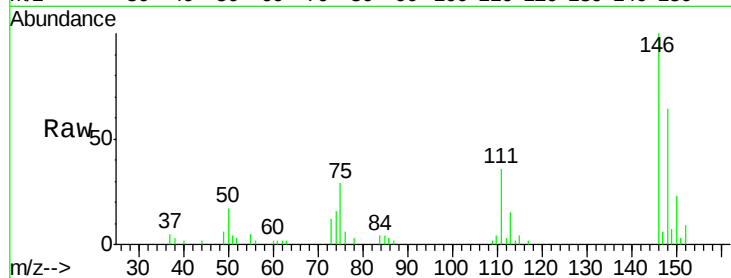




#13
 1,4-Dichlorobenzene
 Concen: 4.888 ng
 RT: 7.63 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

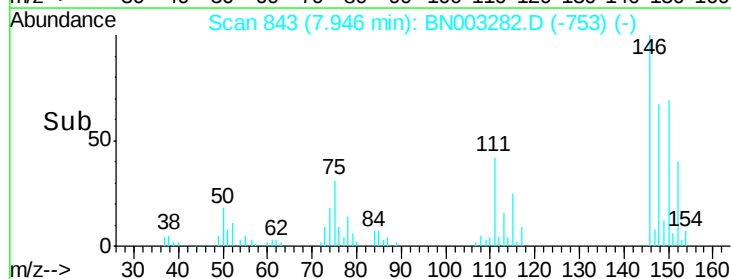
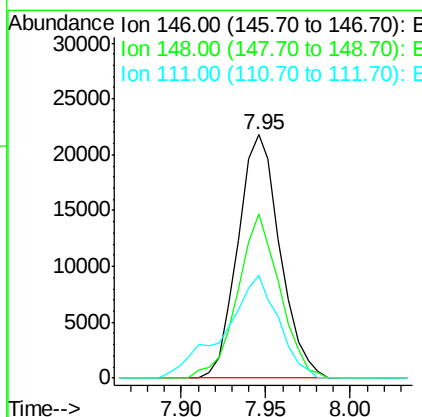
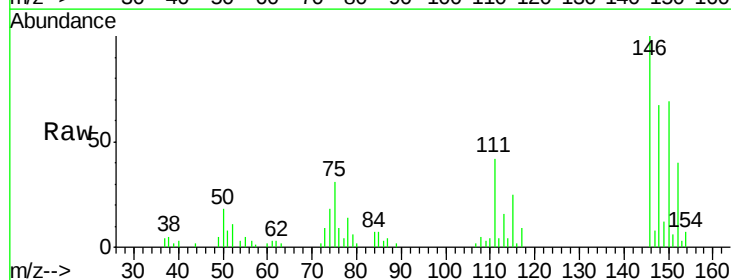
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

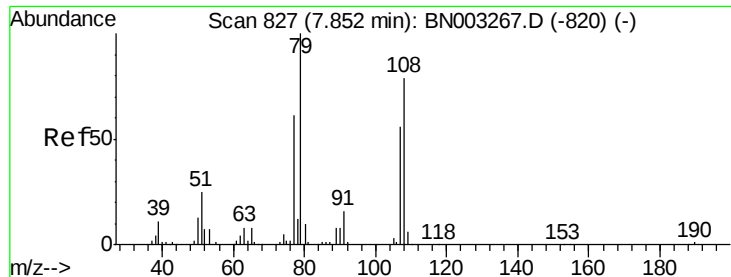
Tgt Ion:146 Resp: 38198
 Ion Ratio Lower Upper
 146 100
 148 63.6 50.2 75.2
 111 36.4 32.1 48.1



#14
 1,2-Dichlorobenzene
 Concen: 4.969 ng
 RT: 7.95 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:146 Resp: 37688
 Ion Ratio Lower Upper
 146 100
 148 67.3 51.4 77.2
 111 42.5 33.1 49.7





#15

Benzyl Alcohol

Concen: 3.662 ng

RT: 7.86 min Scan# 829

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

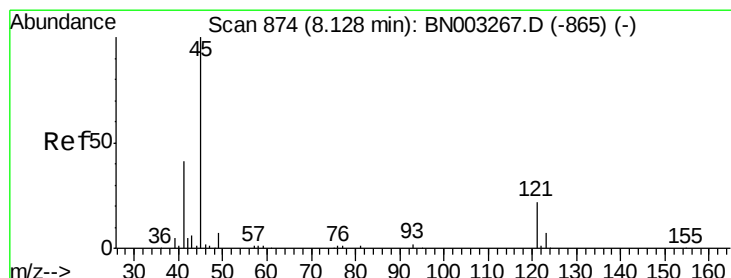
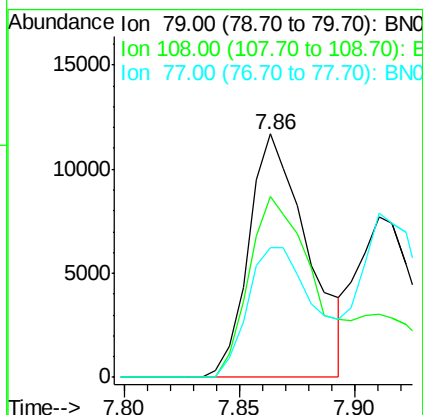
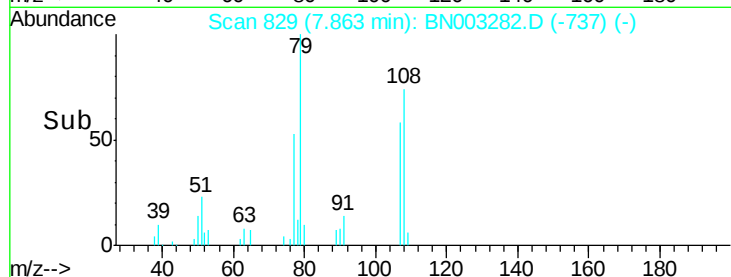
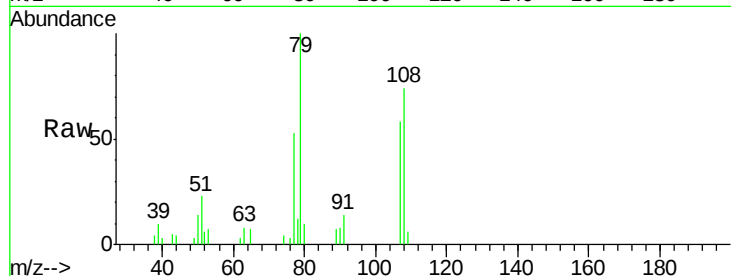
Tgt Ion: 79 Resp: 20798

Ion Ratio Lower Upper

79 100

108 74.5 63.3 94.9

77 53.2 49.0 73.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.059 ng

RT: 8.13 min Scan# 874

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

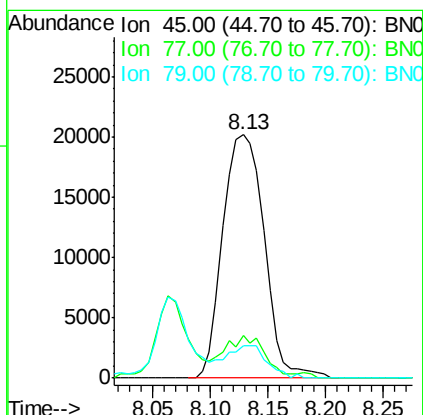
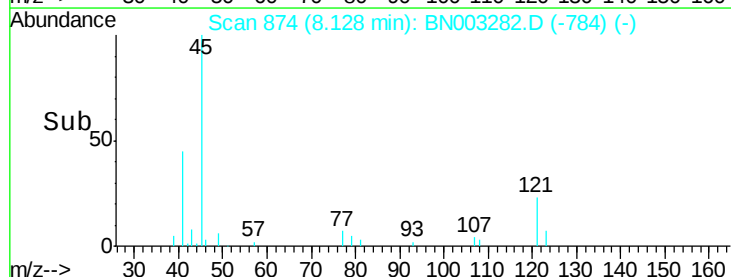
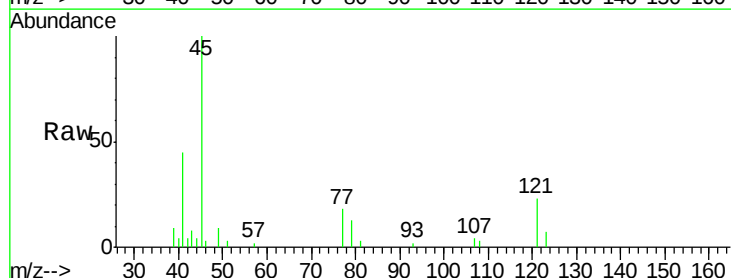
Tgt Ion: 45 Resp: 50377

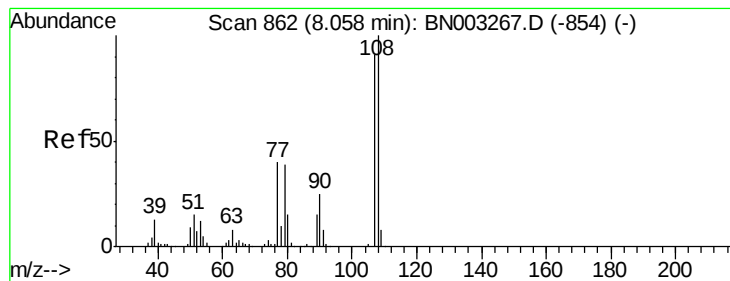
Ion Ratio Lower Upper

45 100

77 17.5 0.0 34.0

79 13.1 0.0 30.9





#17

2-Methylphenol

Concen: 5.327 ng

RT: 8.06 min Scan# 863

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:107 Resp: 30275

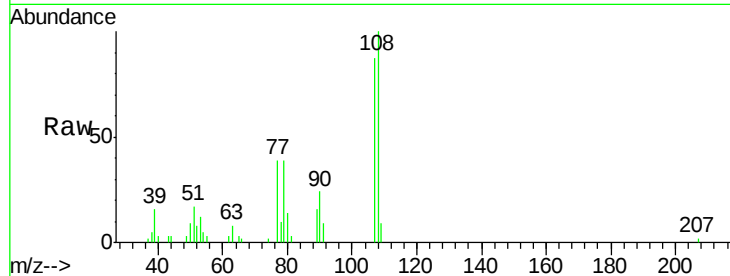
Ion Ratio Lower Upper

107 100

108 114.3 87.6 131.4

77 44.9 35.3 52.9

79 44.6 34.2 51.4

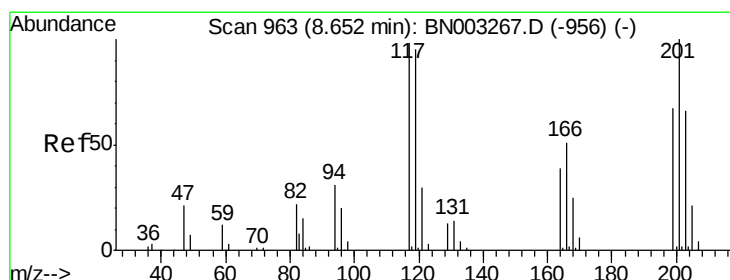
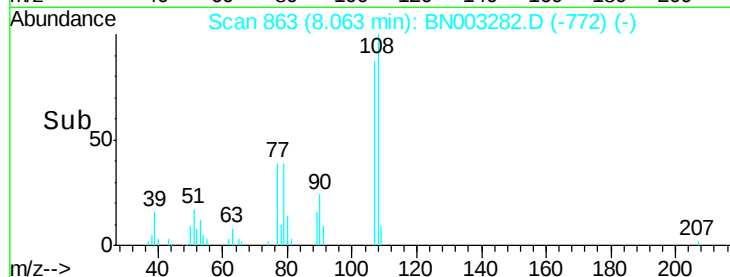
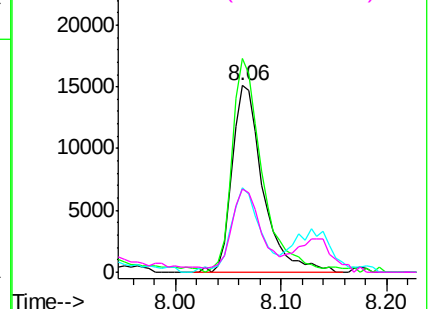


Abundance Ion 107.00 (106.70 to 107.70): E

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: 4.846 ng

RT: 8.65 min Scan# 963

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

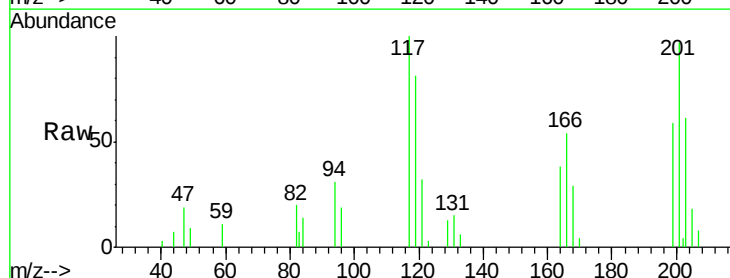
Tgt Ion:117 Resp: 13267

Ion Ratio Lower Upper

117 100

119 81.2 77.8 116.6

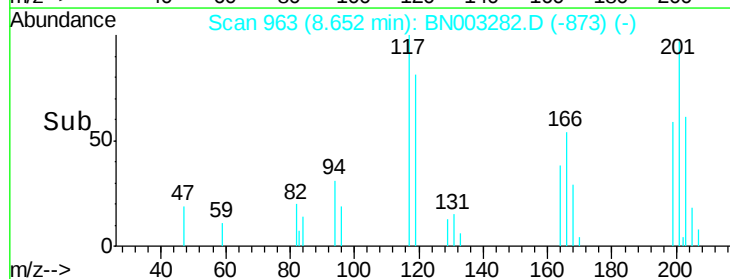
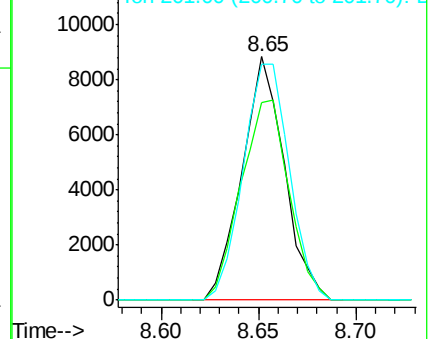
201 96.8 81.4 122.2

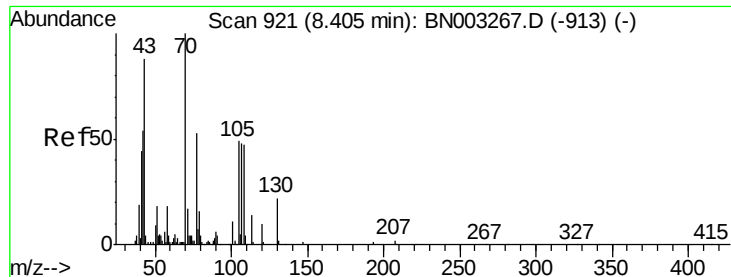


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

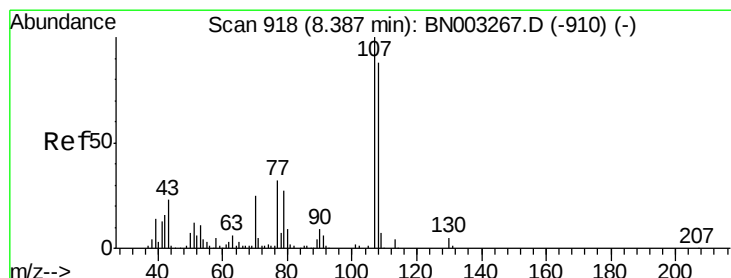
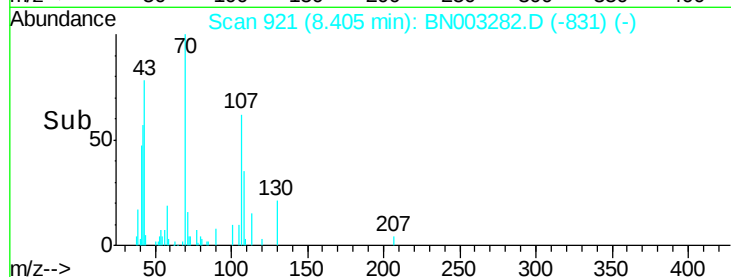
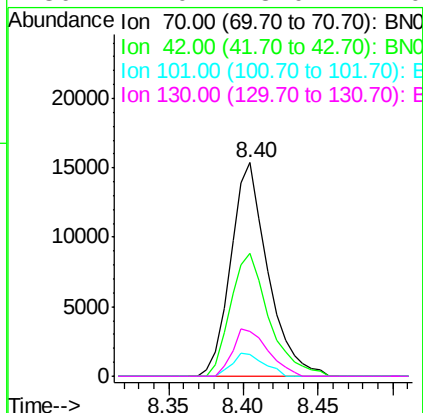
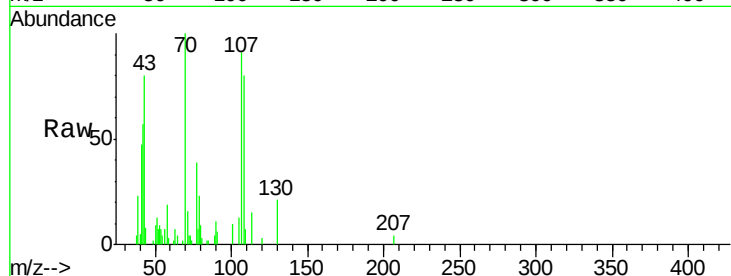




#19
n-Nitroso-di-n-propylamine
Concen: 4.690 ng
RT: 8.40 min Scan# 921
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

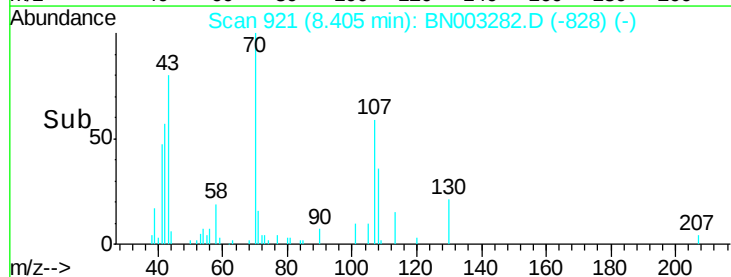
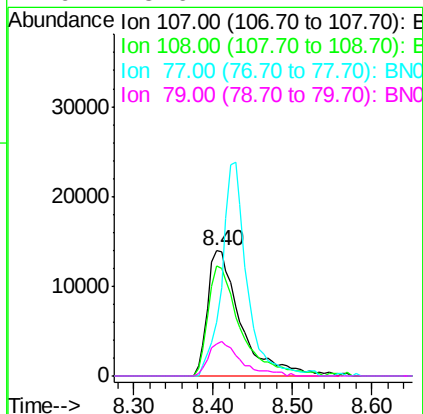
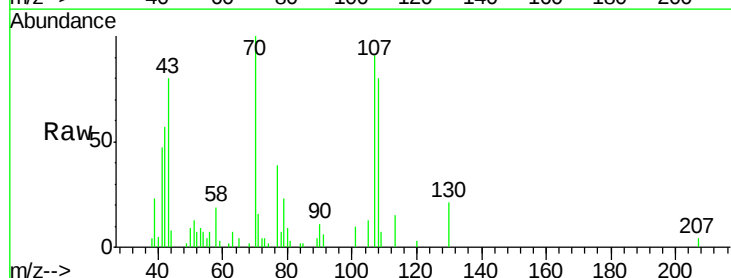
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

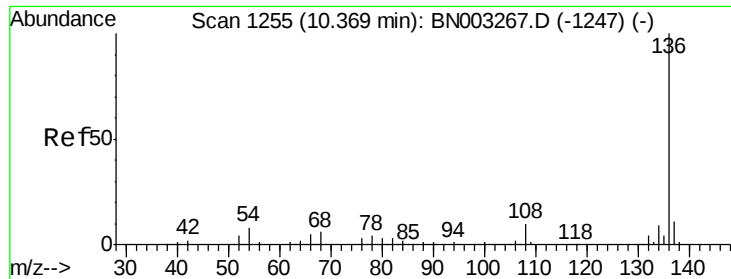
Tgt Ion:	70	Resp:	26652
Ion	Ratio	Lower	Upper
70	100		
42	57.3	43.5	65.3
101	10.4	8.6	12.8
130	21.0	18.0	27.0



#20
3+4-Methylphenols
Concen: 5.045 ng
RT: 8.40 min Scan# 921
Delta R.T. 0.02 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:	107	Resp:	40729
Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.8	107.8
77	42.6	12.1	52.1
79	25.6	7.2	47.2

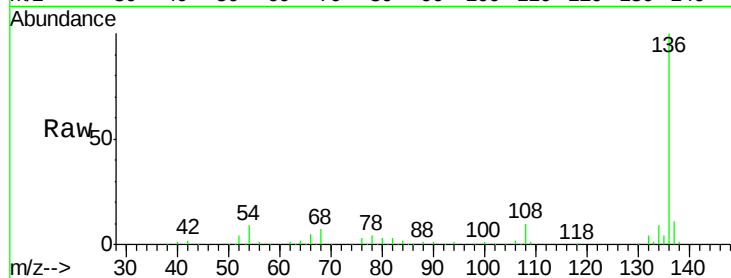




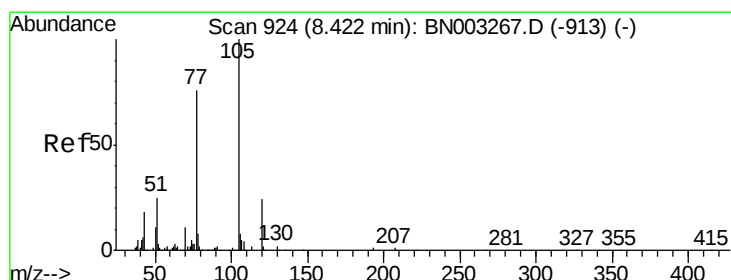
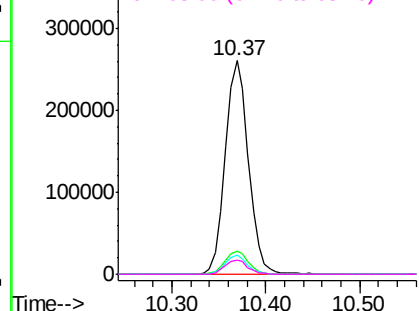
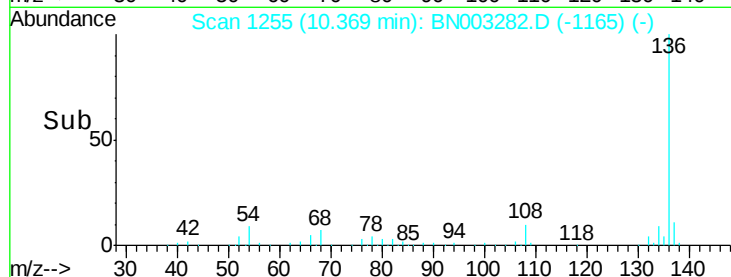
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	136	Resp:	447439
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.9	6.6	10.0
68	6.6	4.6	7.0

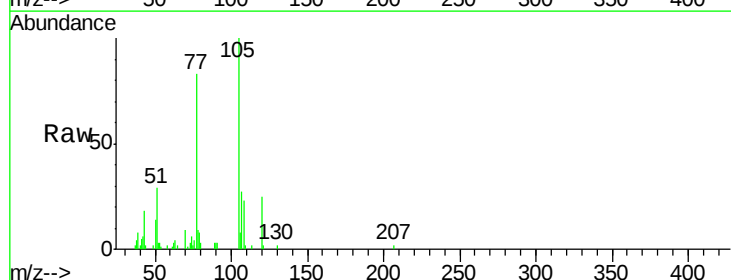


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

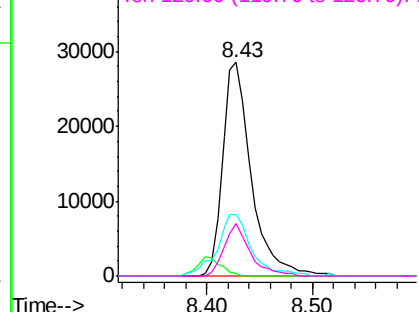
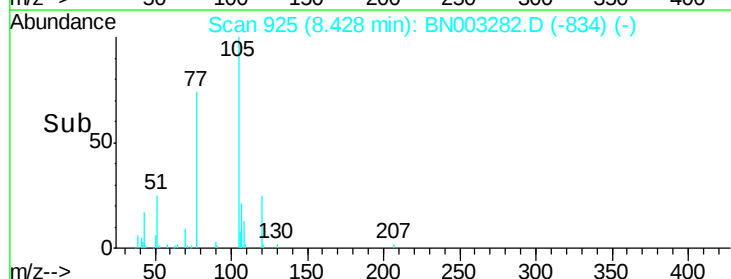


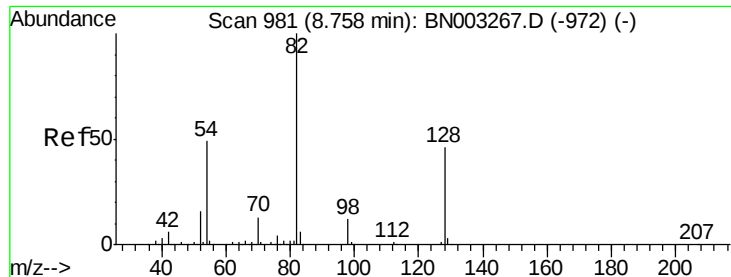
#22
Acetophenone
Concen: 4.975 ng
RT: 8.43 min Scan# 925
Delta R.T. 0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:	105	Resp:	53963
Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.3	1.9
51	29.0	20.5	30.7
120	24.7	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

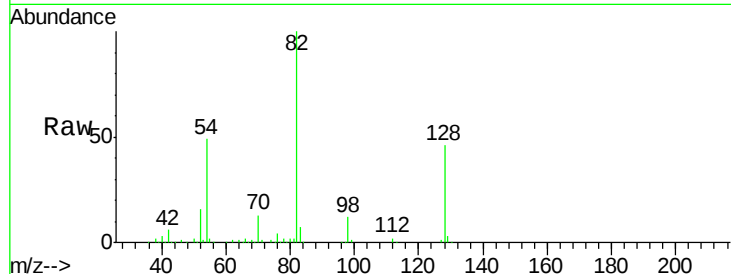




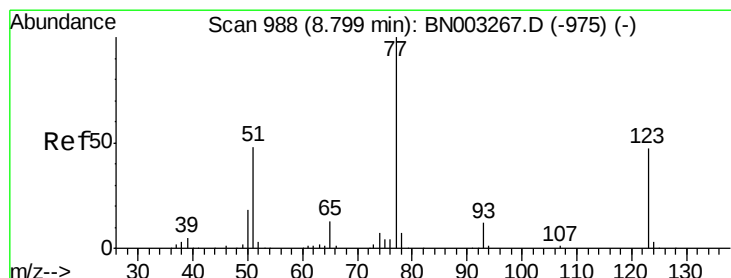
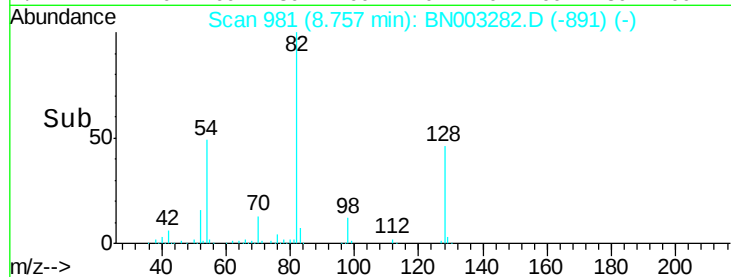
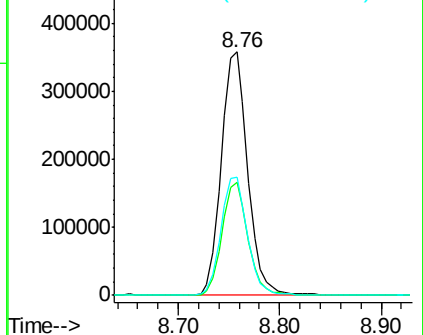
#23
 Nitrobenzene-d5
 Concen: 82.889 ng
 RT: 8.76 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.1	55.7
54	48.7	39.4	59.2

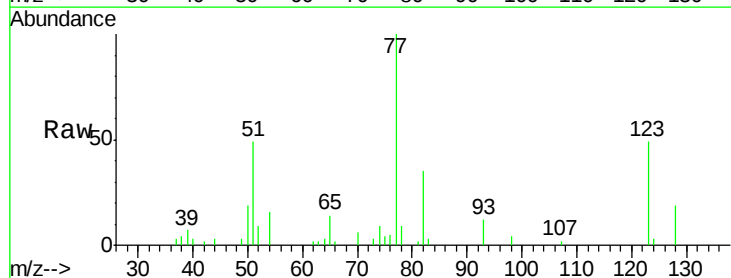


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BN0

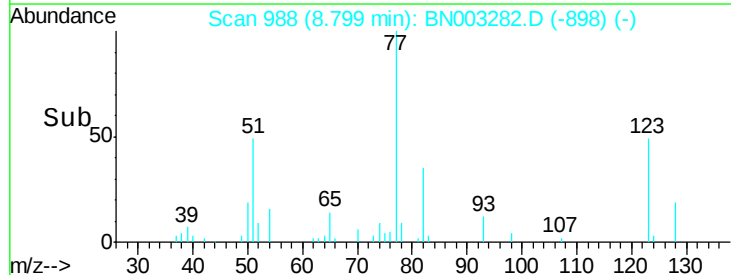
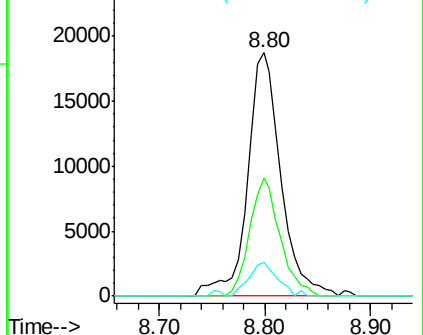


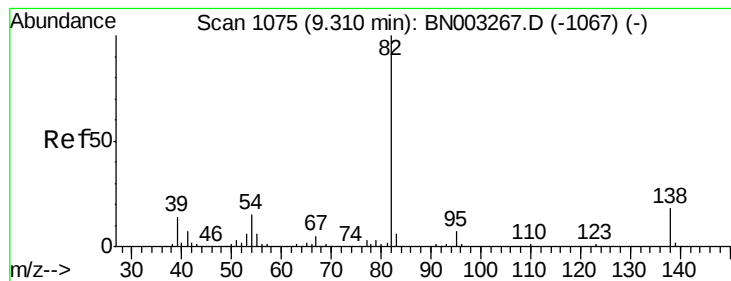
#24
 Nitrobenzene
 Concen: 5.178 ng
 RT: 8.80 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.8	56.6
65	13.6	10.7	16.1



Abundance Ion 77.00 (76.70 to 77.70): BN0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BN0





#25

Isophorone

Concen: 5.625 ng

RT: 9.32 min Scan# 1076

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

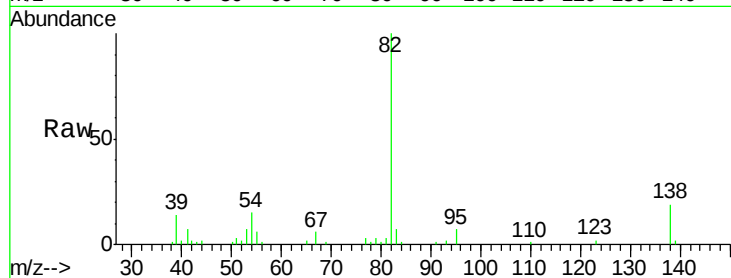
Tgt Ion: 82 Resp: 76976

Ion Ratio Lower Upper

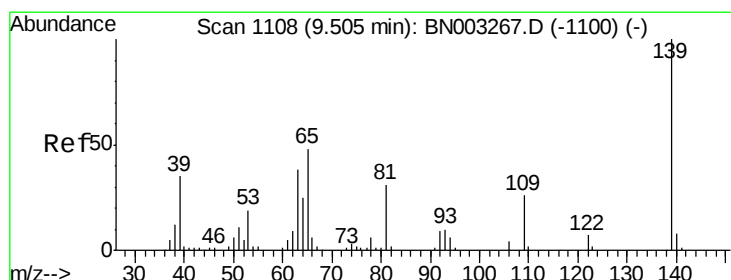
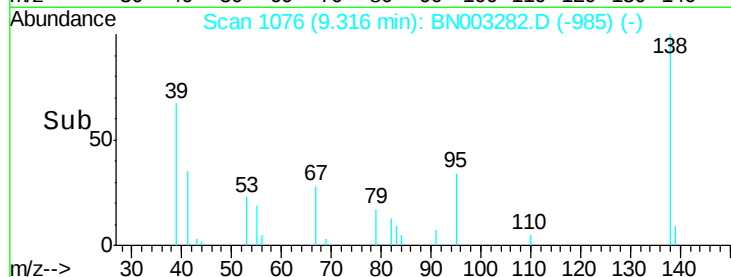
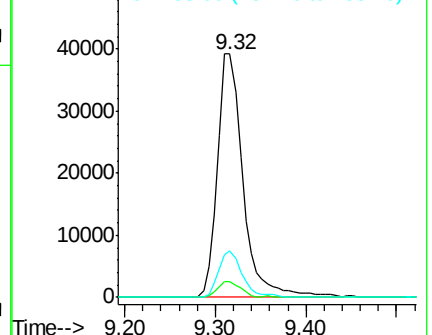
82 100

95 6.5 5.4 8.0

138 19.4 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 138.00 (137.70 to 138.70): BNC



#26

2-Nitrophenol

Concen: 4.434 ng

RT: 9.52 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

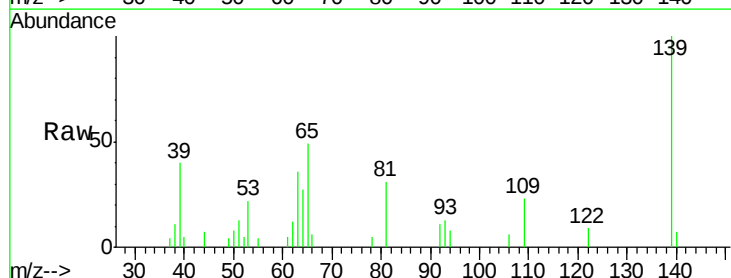
Tgt Ion: 139 Resp: 18582

Ion Ratio Lower Upper

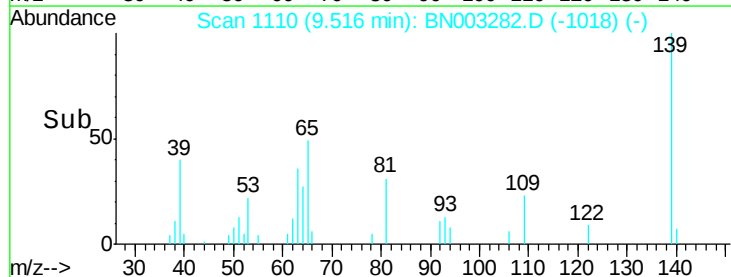
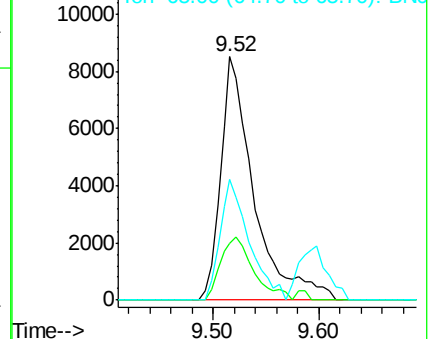
139 100

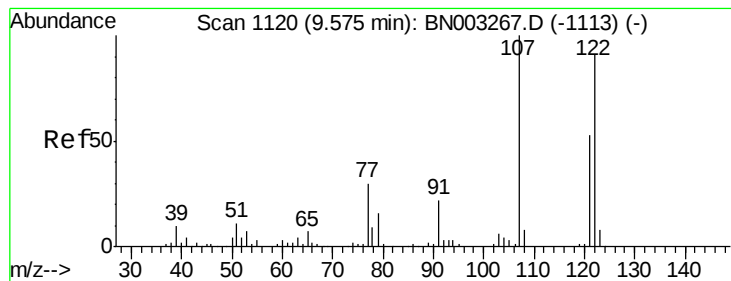
109 23.4 20.5 30.7

65 49.4 38.4 57.6



Abundance Ion 139.00 (138.70 to 139.70): BNC
Ion 109.00 (108.70 to 109.70): BNC
Ion 65.00 (64.70 to 65.70): BNC





#27

2,4-Dimethylphenol

Concen: 5.309 ng

RT: 9.59 min Scan# 1123

Delta R.T. 0.02 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

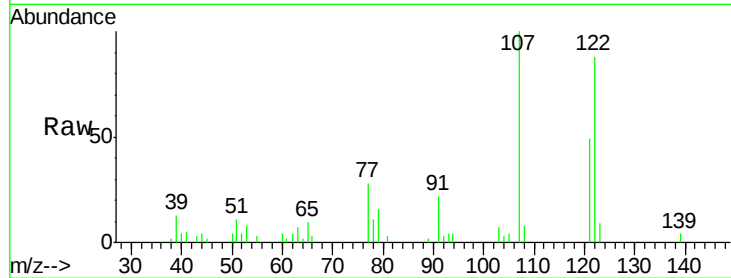
Tgt Ion: 122 Resp: 31280

Ion Ratio Lower Upper

122 100

107 113.4 87.8 131.6

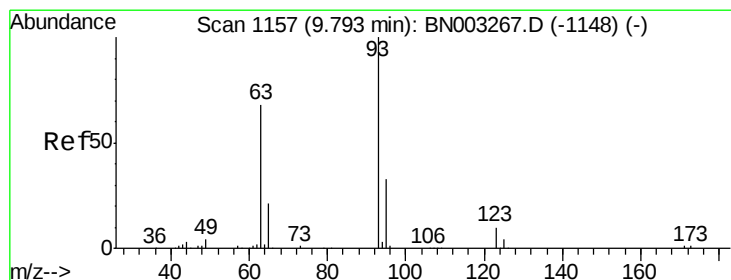
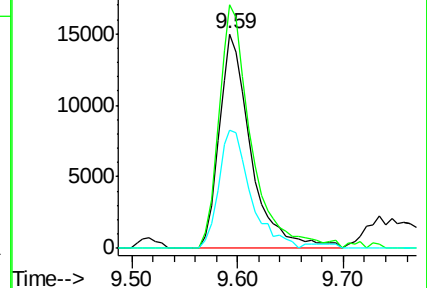
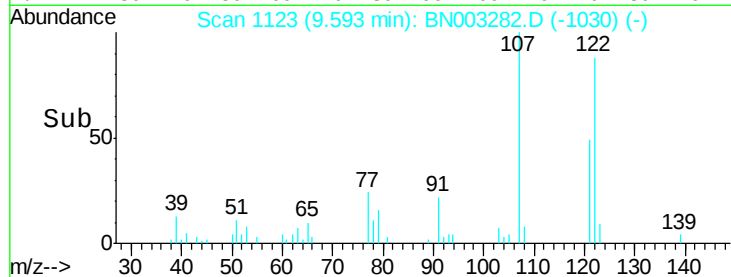
121 55.2 46.9 70.3



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: 5.256 ng

RT: 9.80 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

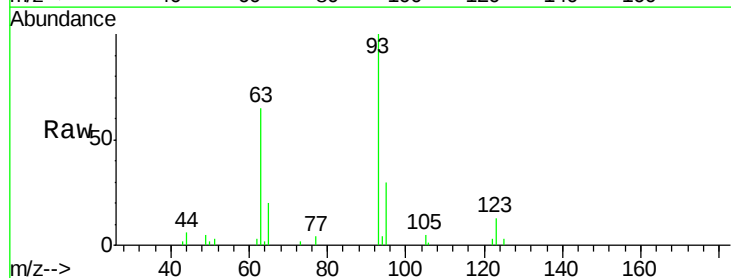
Tgt Ion: 93 Resp: 48459

Ion Ratio Lower Upper

93 100

95 30.5 26.2 39.4

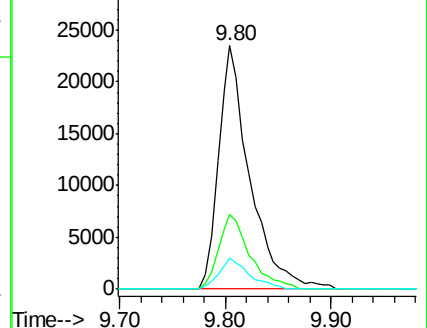
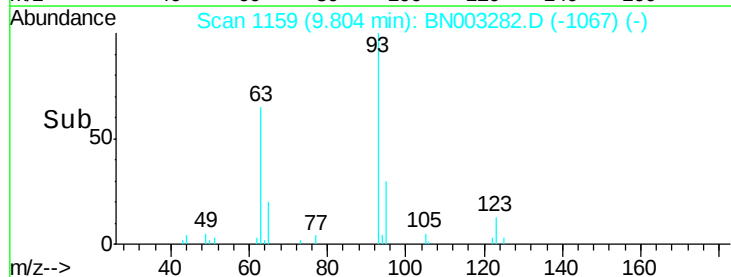
123 12.5 9.1 13.7

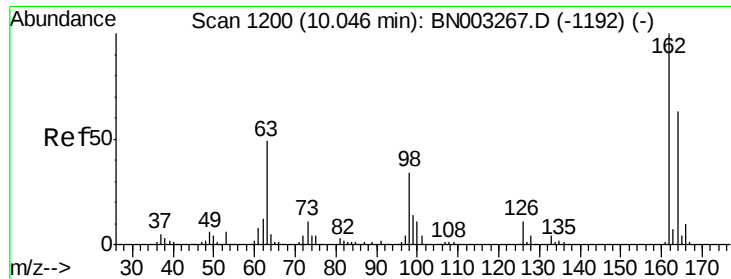


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

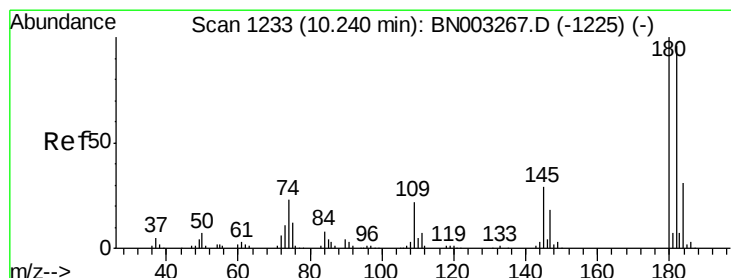
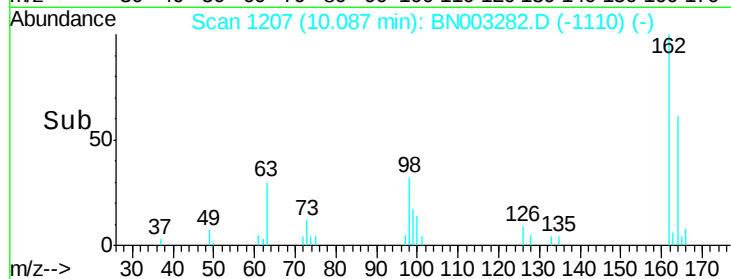
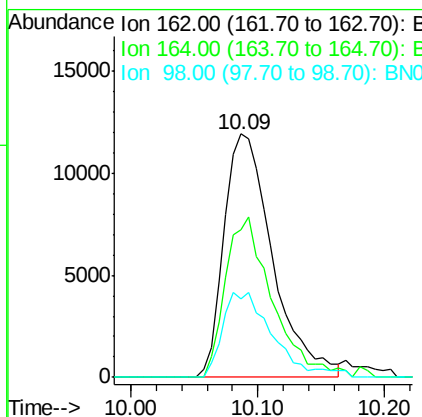
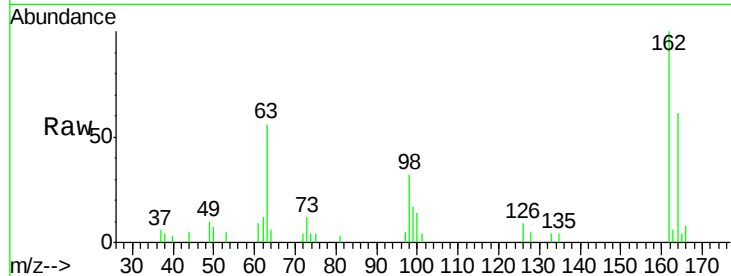




#29
 2,4-Dichlorophenol
 Concen: 4.727 ng
 RT: 10.09 min Scan# 1207
 Delta R.T. 0.04 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

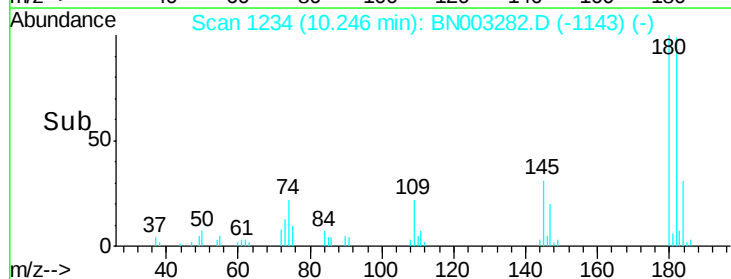
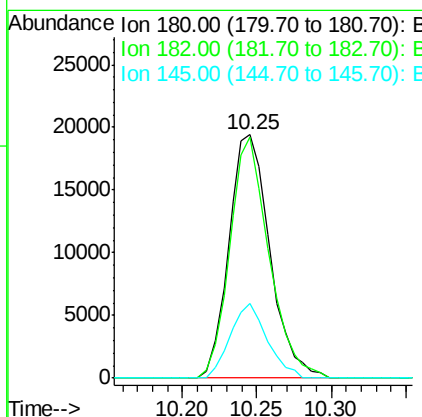
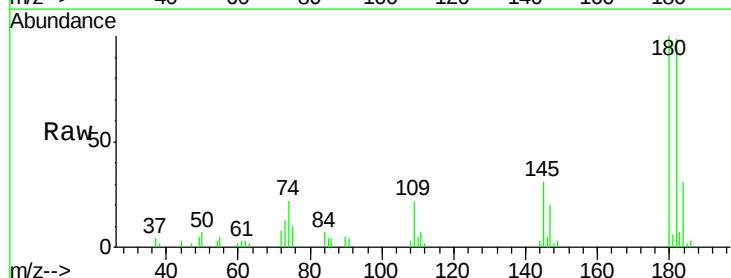
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

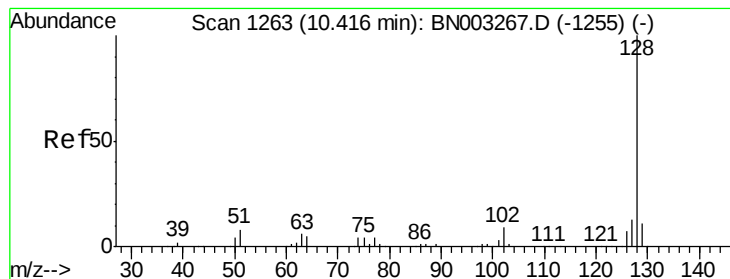
Tgt Ion:162 Resp: 31785
 Ion Ratio Lower Upper
 162 100
 164 60.9 42.5 82.5
 98 32.0 14.0 54.0



#30
 1,2,4-Trichlorobenzene
 Concen: 4.849 ng
 RT: 10.25 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:180 Resp: 37061
 Ion Ratio Lower Upper
 180 100
 182 99.0 76.4 114.6
 145 30.8 23.6 35.4





#31

Naphthalene

Concen: 5.299 ng

RT: 10.42 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

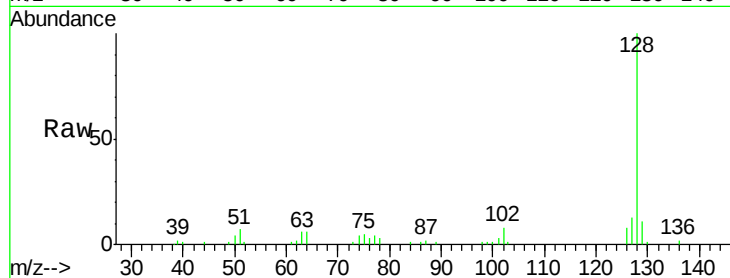
Tgt Ion:128 Resp: 115873

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

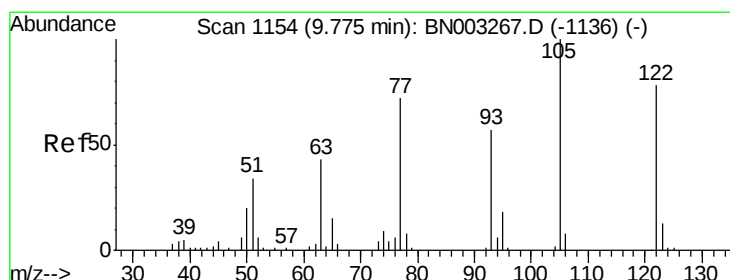
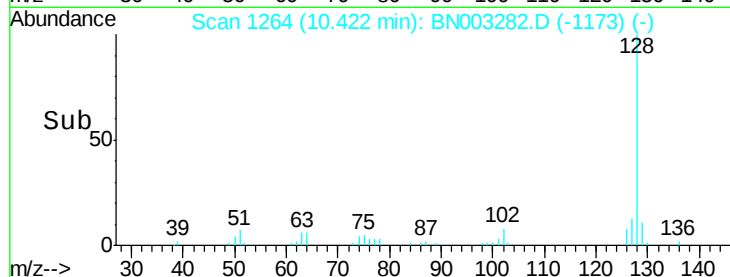
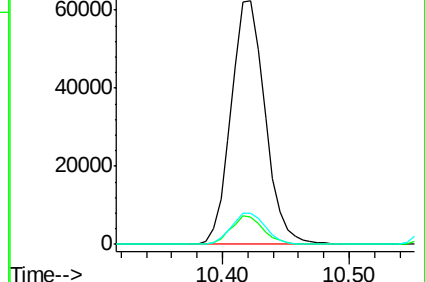
127 12.9 10.4 15.6



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: 6.510 ng

RT: 9.73 min Scan# 1147

Delta R.T. -0.04 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

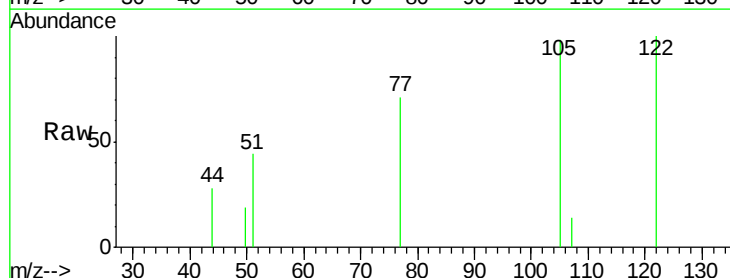
Tgt Ion:122 Resp: 8465

Ion Ratio Lower Upper

122 100

105 98.5 106.8 146.8#

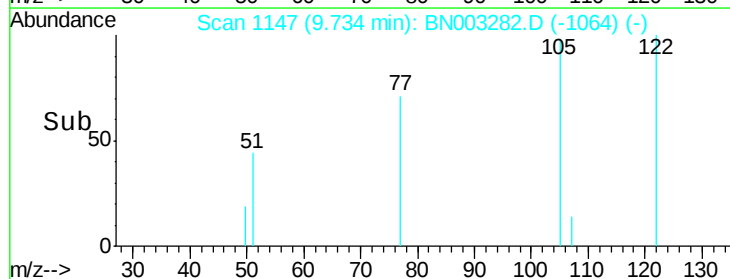
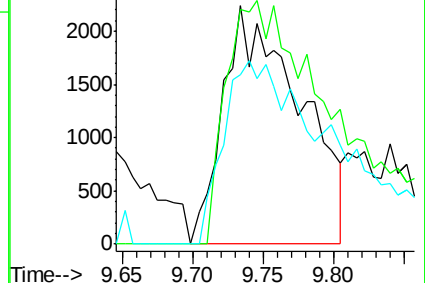
77 71.1 71.9 111.9#

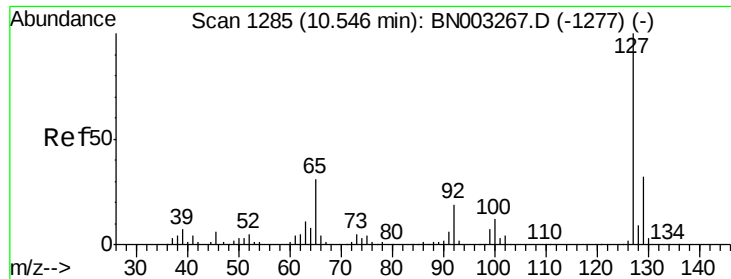


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

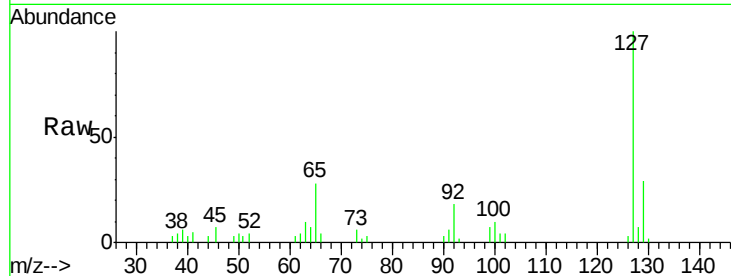




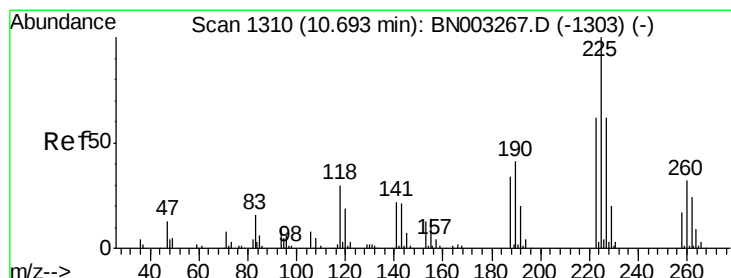
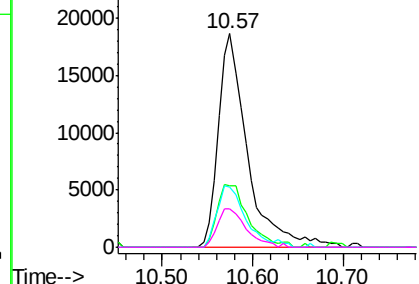
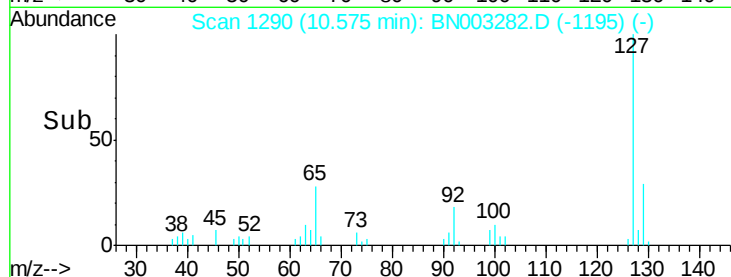
#33
4-Chloroaniline
Concen: 4.314 ng
RT: 10.57 min Scan# 1290
Delta R.T. 0.03 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	41675
Ion	Ratio	Lower	Upper
127	100		
129	28.7	25.8	38.6
65	28.0	24.6	36.8
92	18.1	15.3	22.9

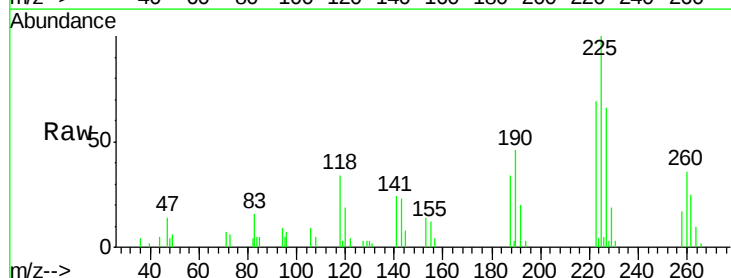


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

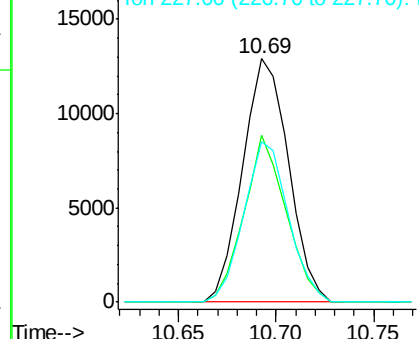
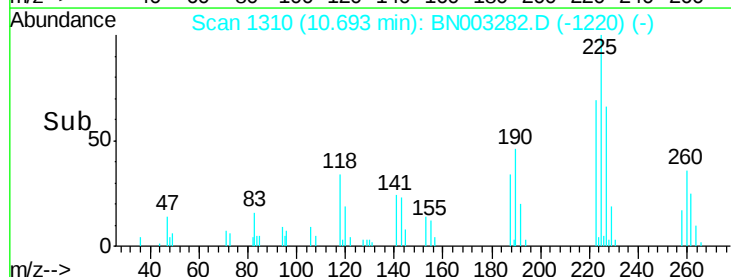


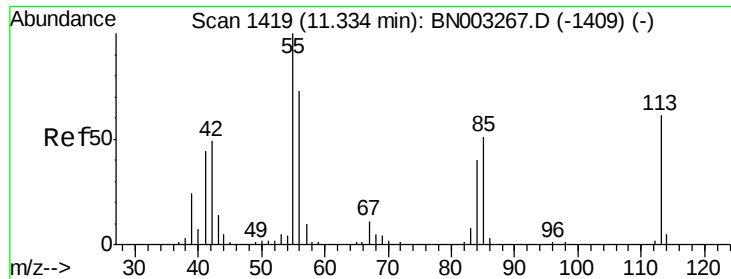
#34
Hexachlorobutadiene
Concen: 4.621 ng
RT: 10.69 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:	225	Resp:	21078
Ion	Ratio	Lower	Upper
225	100		
223	68.7	49.8	74.8
227	66.1	49.6	74.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

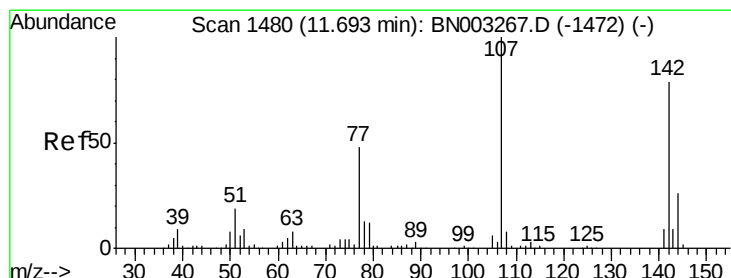
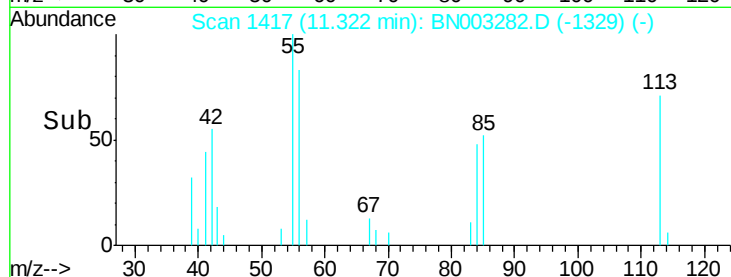
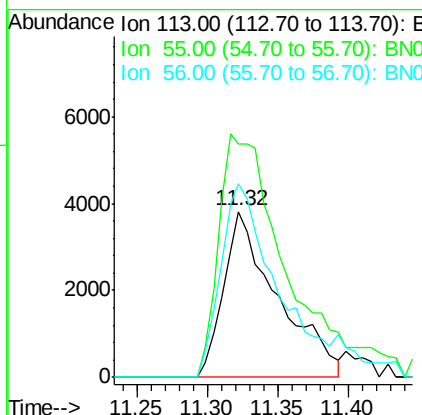
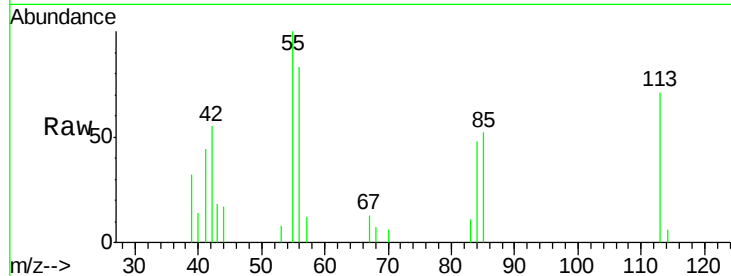




#35
 Caprolactam
 Concen: 3.862 ng
 RT: 11.32 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

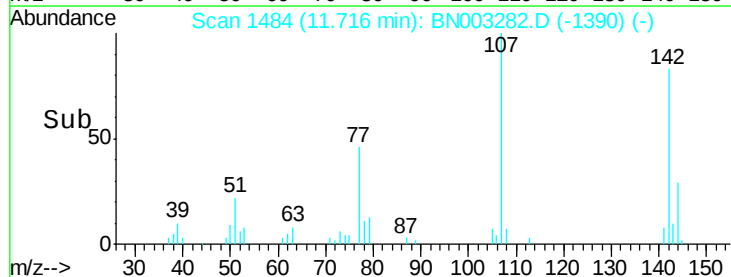
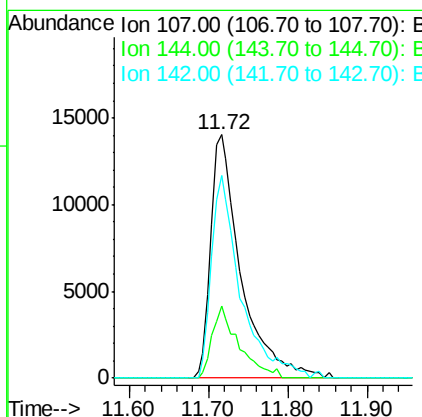
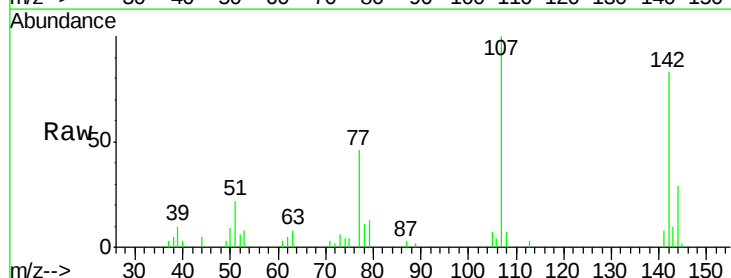
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

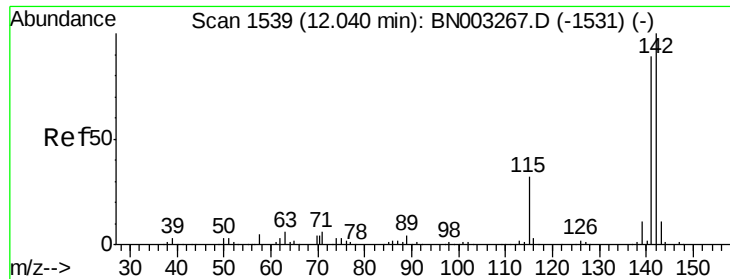
Tgt Ion:113 Resp: 10167
 Ion Ratio Lower Upper
 113 100
 55 141.2 144.2 184.2#
 56 117.1 100.6 140.6



#36
 4-Chloro-3-methylphenol
 Concen: 4.965 ng
 RT: 11.72 min Scan# 1484
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:107 Resp: 37234
 Ion Ratio Lower Upper
 107 100
 144 29.4 20.8 31.2
 142 83.3 63.5 95.3

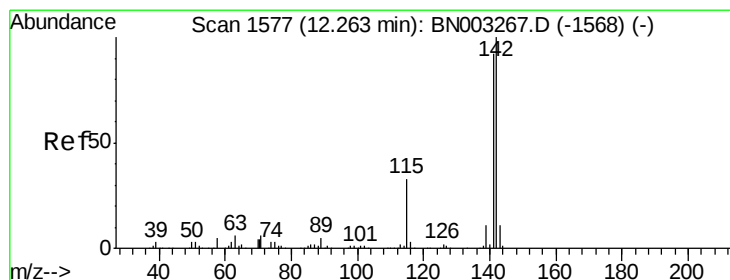
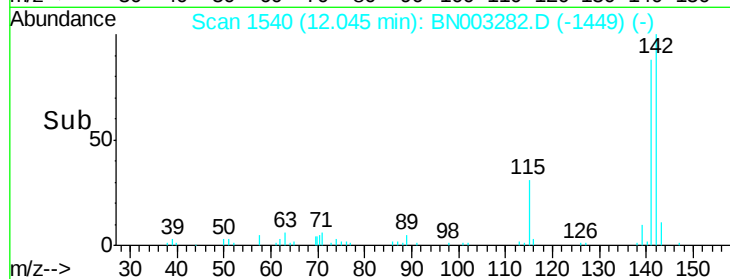
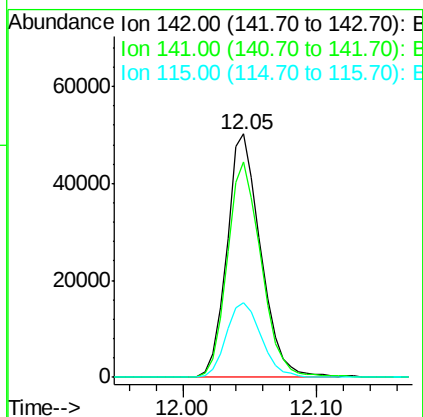
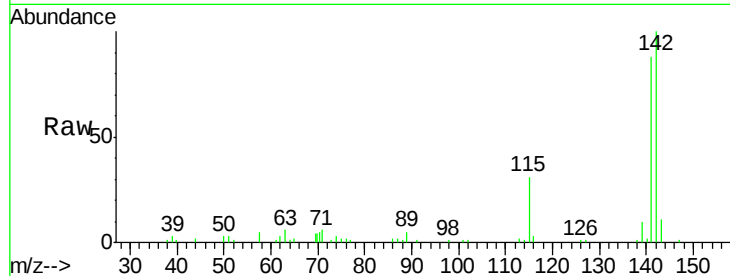




#37
 2-Methylnaphthalene
 Concen: 5.665 ng
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

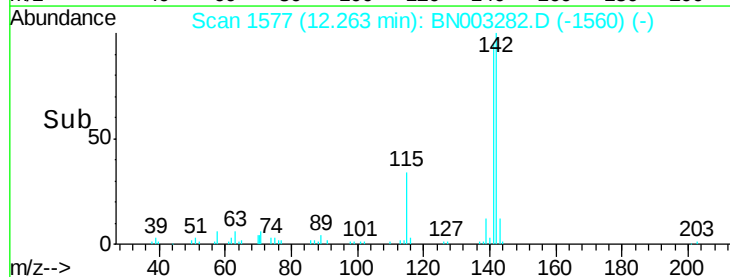
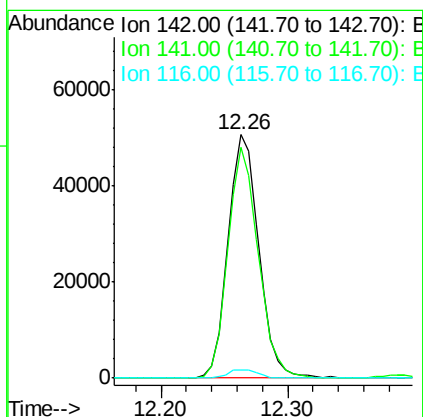
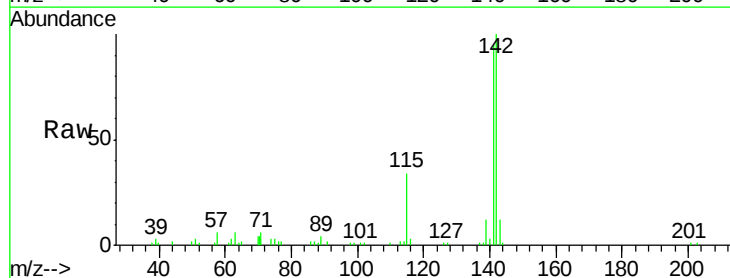
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

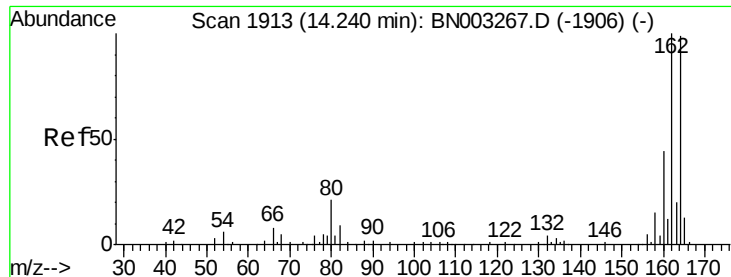
Tgt Ion:142 Resp: 88511
 Ion Ratio Lower Upper
 142 100
 141 88.3 71.6 107.4
 115 30.8 25.5 38.3



#38
 1-Methylnaphthalene
 Concen: 5.562 ng
 RT: 12.26 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:142 Resp: 84883
 Ion Ratio Lower Upper
 142 100
 141 95.0 73.6 110.4
 116 3.2 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

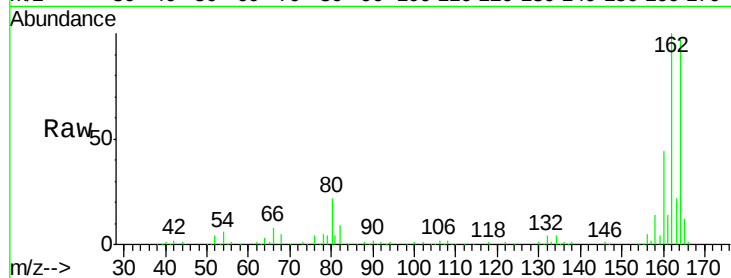
Tgt Ion:164 Resp: 286356

Ion Ratio Lower Upper

164 100

162 102.6 80.8 121.2

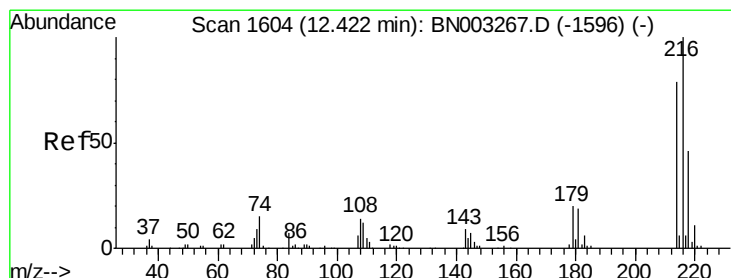
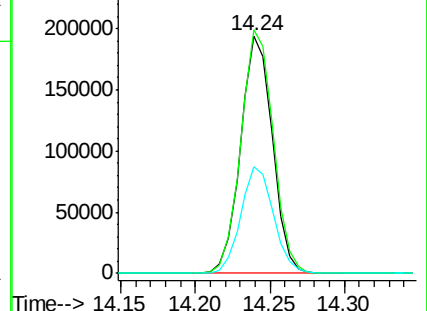
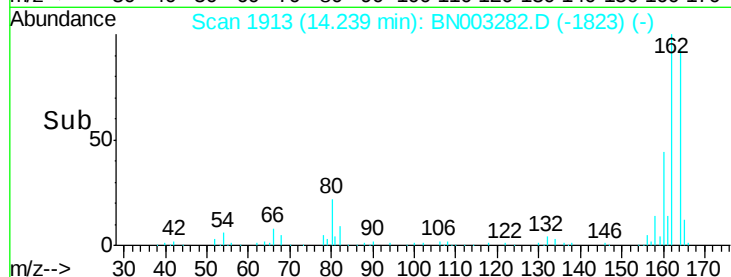
160 44.7 35.5 53.3



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: 4.547 ng

RT: 12.43 min Scan# 1605

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Tgt Ion:216 Resp: 43072

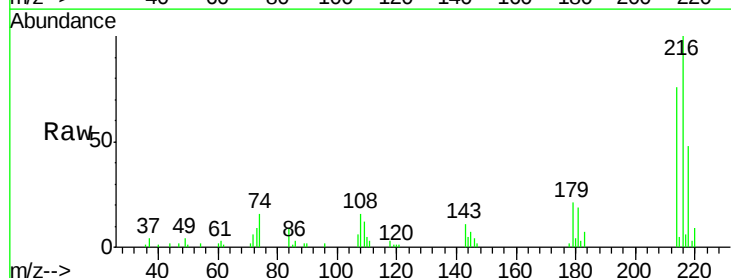
Ion Ratio Lower Upper

216 100

214 77.2 62.8 94.2

179 20.0 16.0 24.0

108 15.8 12.9 19.3

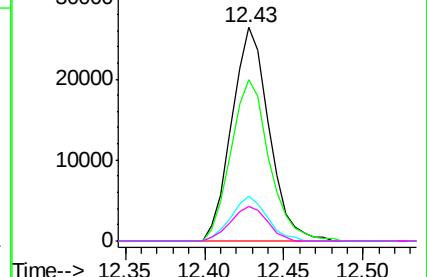
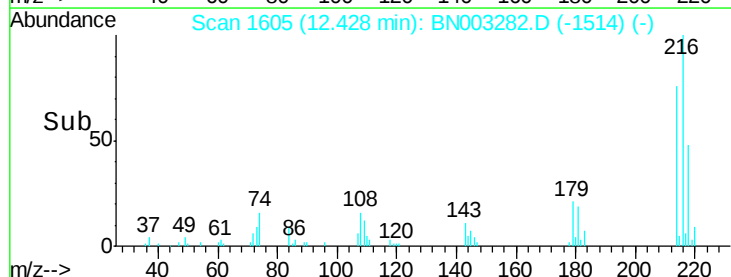


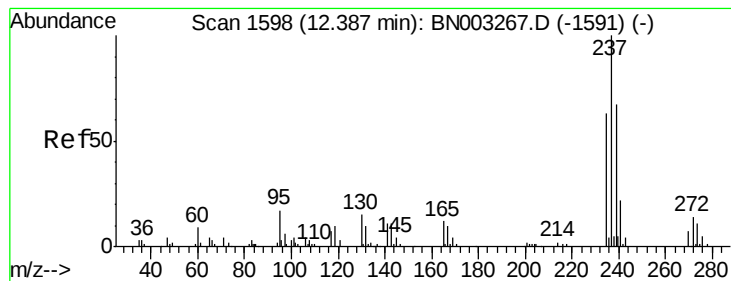
Abundance Ion 216.00 (215.70 to 216.70): E

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: 10.288 ng

RT: 12.39 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

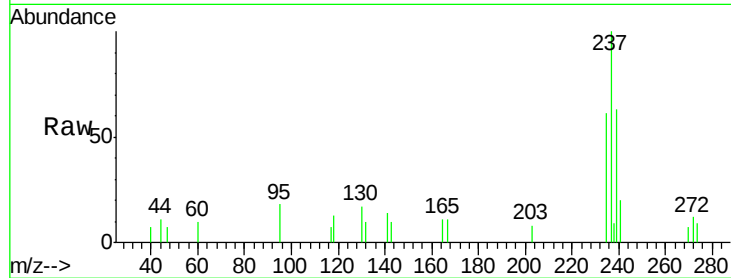
Tgt Ion: 237 Resp: 6285

Ion Ratio Lower Upper

237 100

235 61.5 42.8 82.8

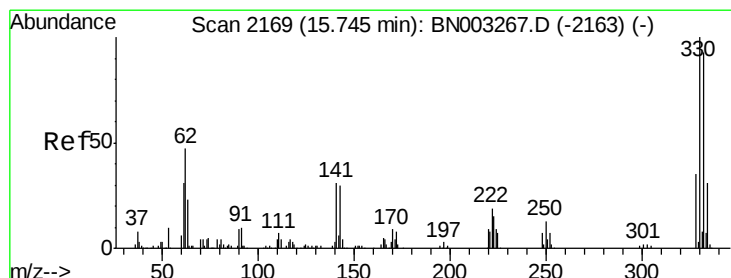
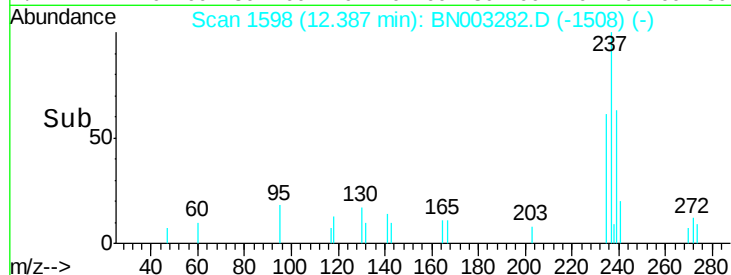
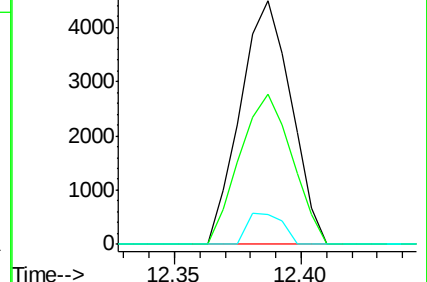
272 12.1 0.0 33.5



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: 145.143 ng

RT: 15.75 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

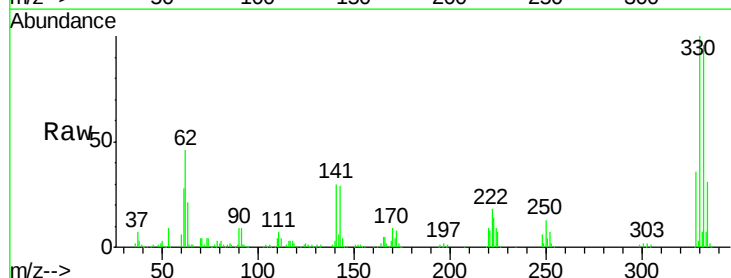
Tgt Ion: 330 Resp: 559653

Ion Ratio Lower Upper

330 100

332 97.5 76.6 114.8

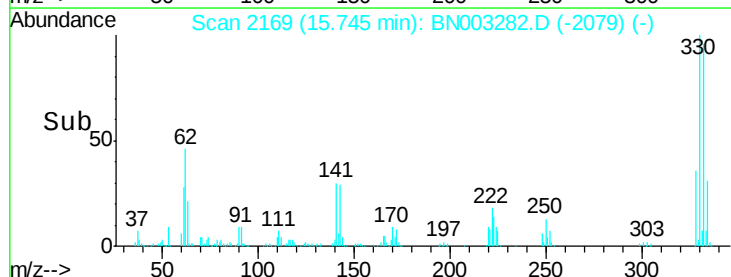
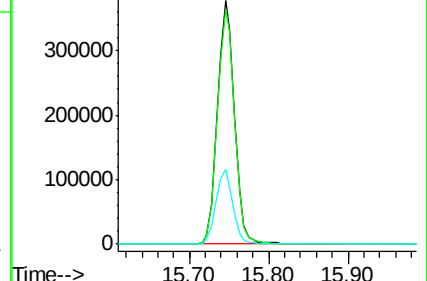
141 30.7 24.5 36.7

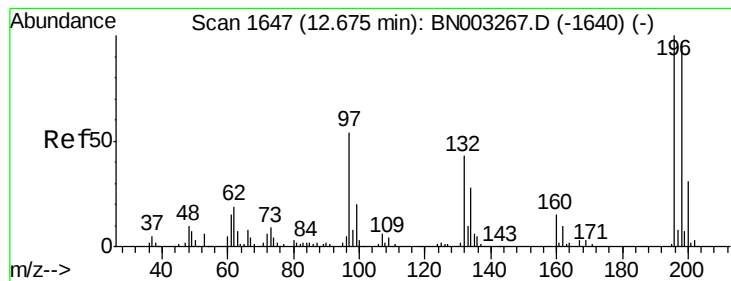


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

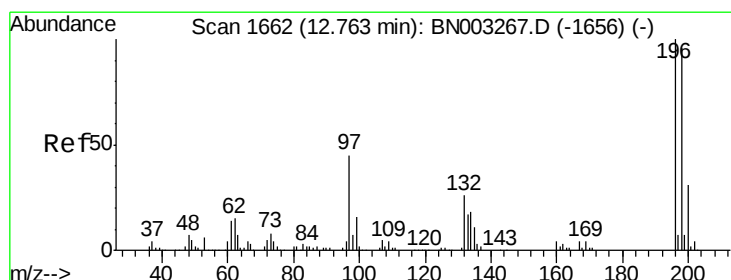
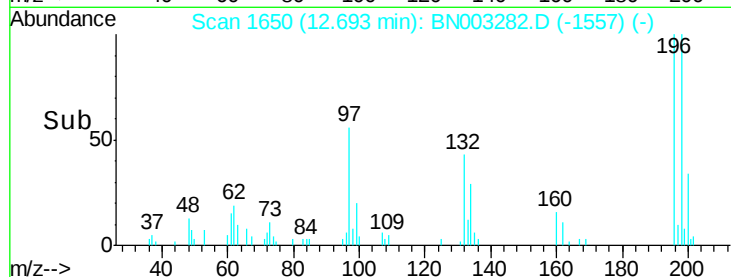
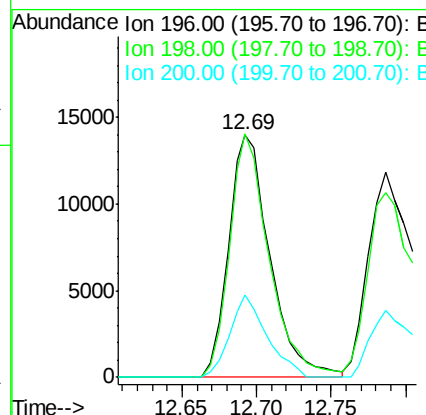
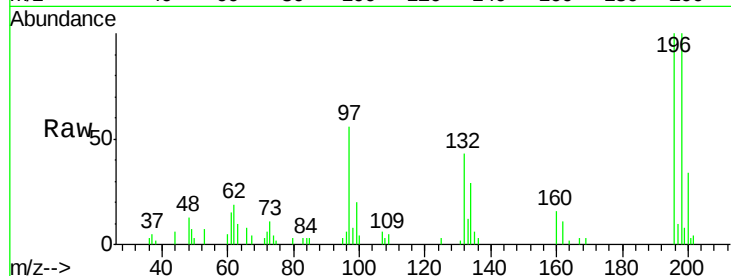




#43
 2,4,6-Trichlorophenol
 Concen: 4.508 ng
 RT: 12.69 min Scan# 1650
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

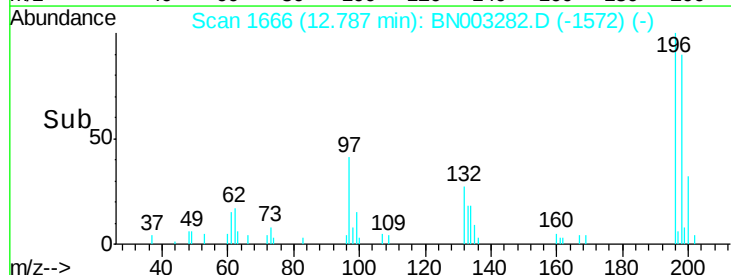
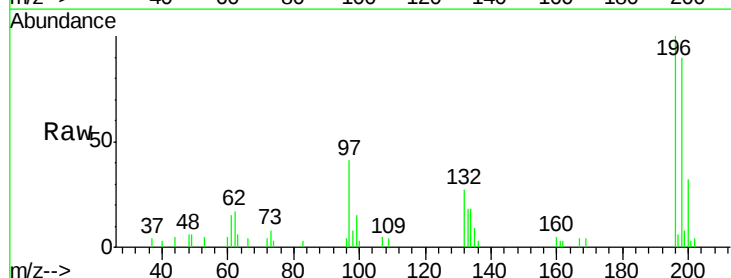
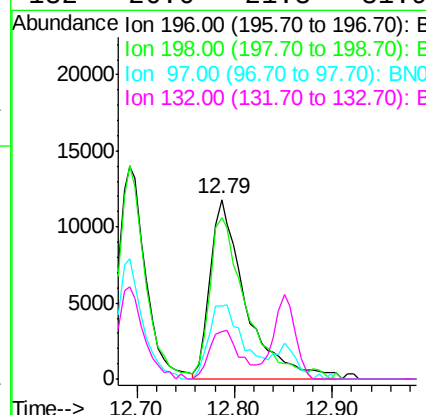
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

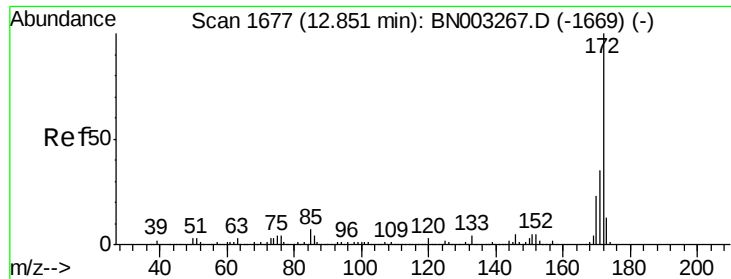
Tgt Ion:196 Resp: 26982
 Ion Ratio Lower Upper
 196 100
 198 100.2 77.4 116.0
 200 33.8 25.0 37.6



#44
 2,4,5-Trichlorophenol
 Concen: 4.799 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:196 Resp: 29962
 Ion Ratio Lower Upper
 196 100
 198 89.9 76.8 115.2
 97 40.8 35.8 53.8
 132 26.6 21.3 31.9

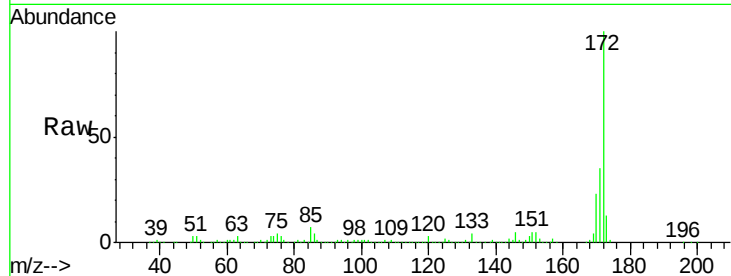




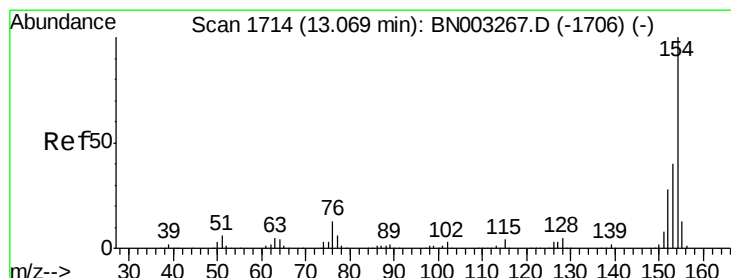
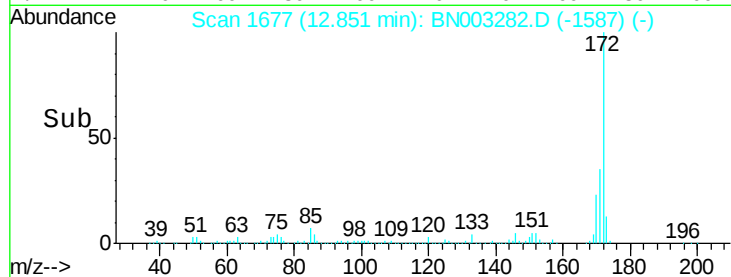
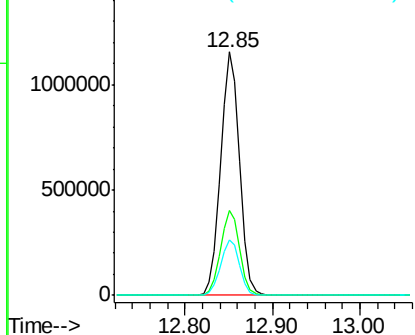
#45
 2-Fluorobiphenyl
 Concen: 81.864 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:172 Resp: 1728240
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.4
 170 22.9 18.4 27.6

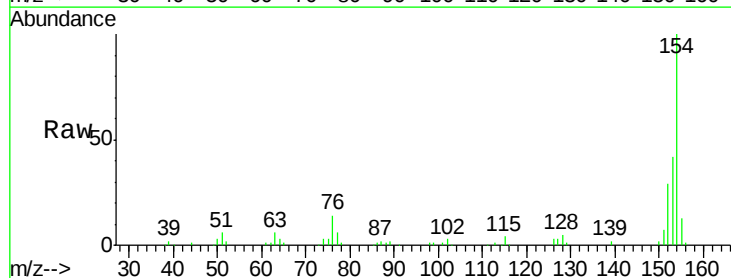


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

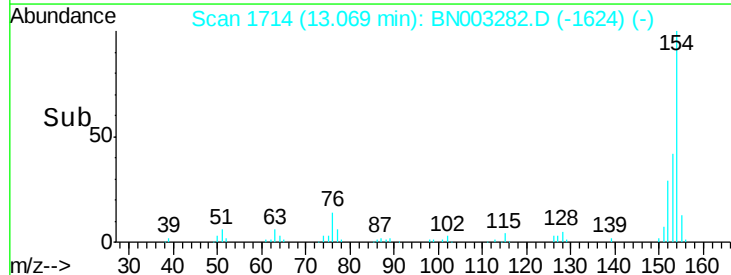
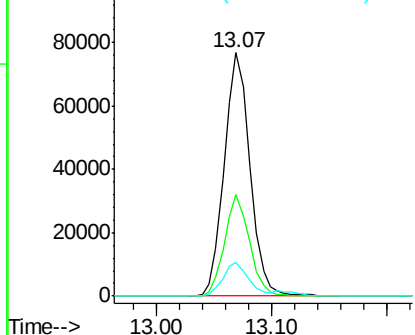


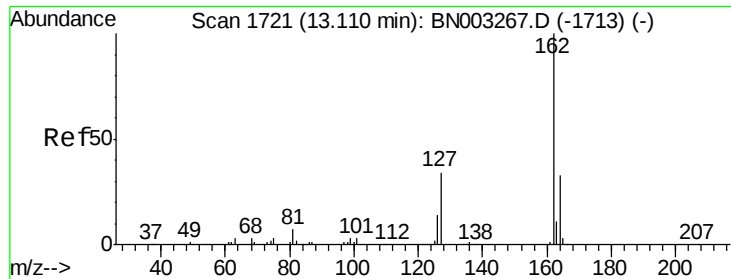
#46
 1,1'-Biphenyl
 Concen: 4.717 ng
 RT: 13.07 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:154 Resp: 118559
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.5 60.5
 76 13.9 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

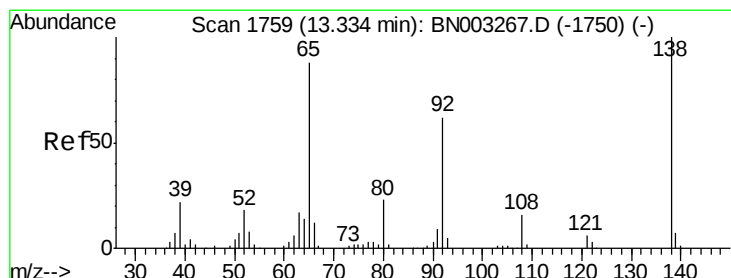
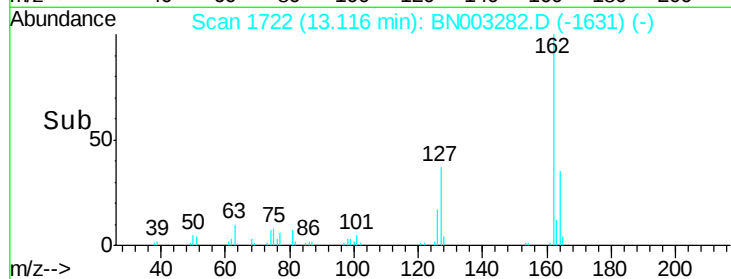
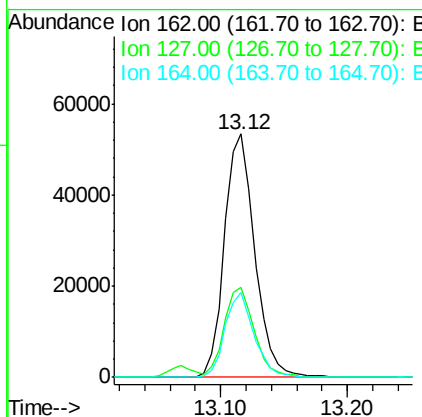
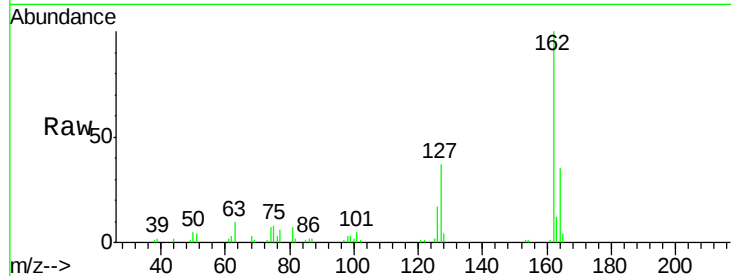




#47
2-Chloronaphthalene
Concen: 4.767 ng
RT: 13.12 min Scan# 1722
Delta R.T. 0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

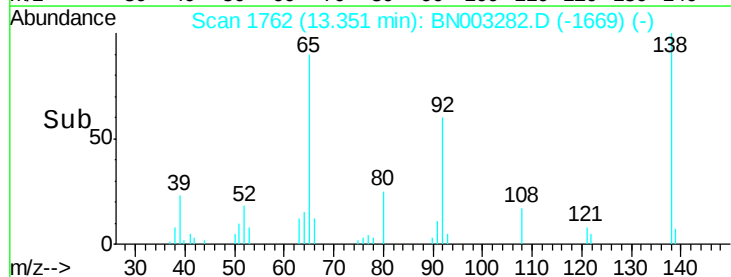
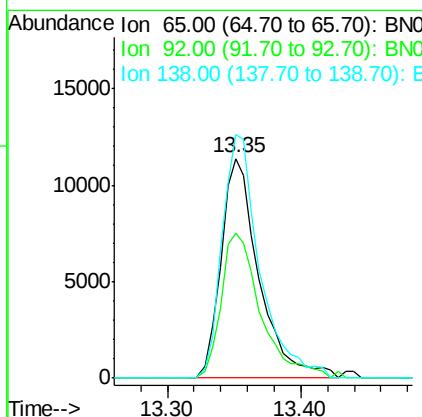
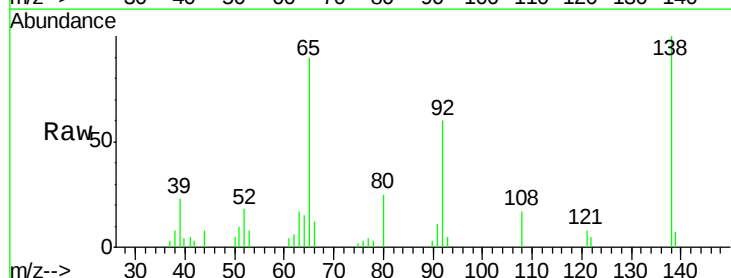
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

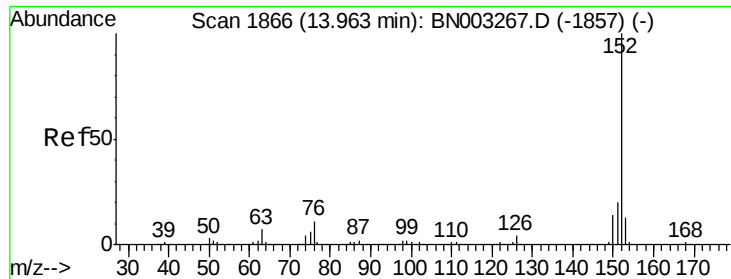
Tgt Ion: 162 Resp: 88378
Ion Ratio Lower Upper
162 100
127 37.0 29.8 44.6
164 34.8 26.3 39.5



#48
2-Nitroaniline
Concen: 4.155 ng
RT: 13.35 min Scan# 1762
Delta R.T. 0.02 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion: 65 Resp: 22630
Ion Ratio Lower Upper
65 100
92 66.0 56.1 84.1
138 110.8 90.6 136.0





#49

Acenaphthylene

Concen: 5.276 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

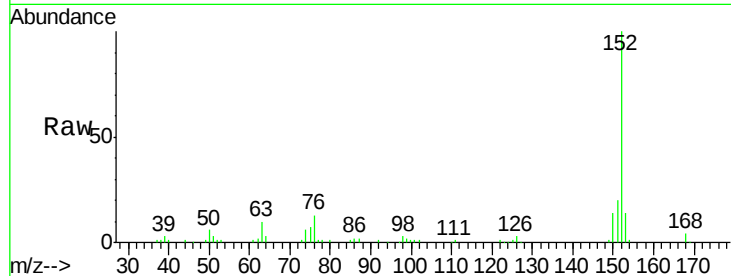
Tgt Ion:152 Resp: 149708

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

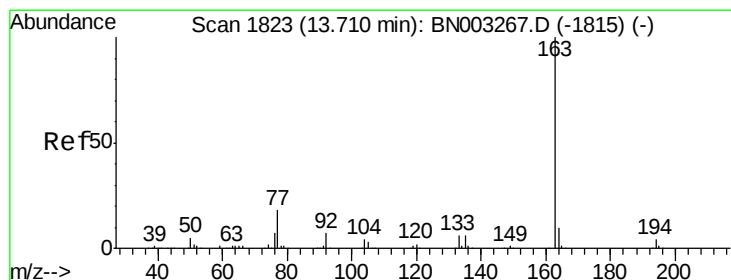
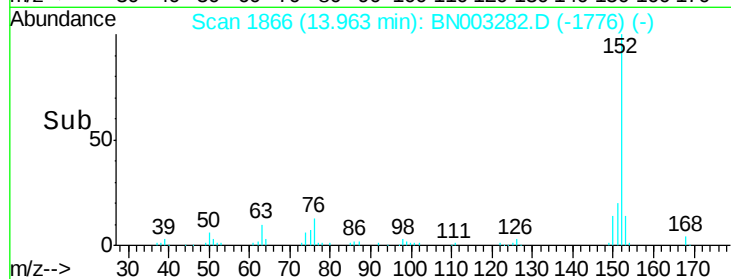
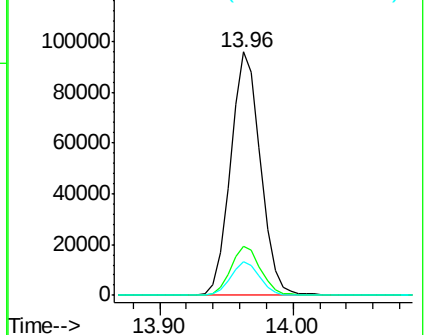
153 14.0 10.3 15.5



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: 5.126 ng

RT: 13.71 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

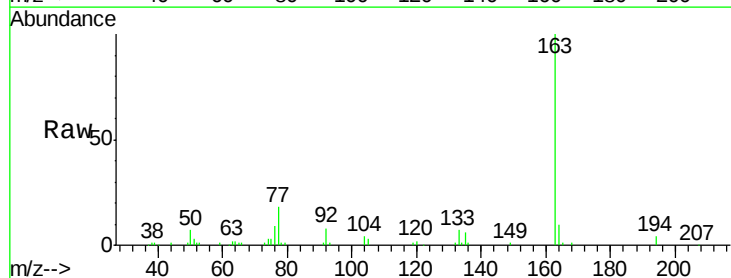
Tgt Ion:163 Resp: 118686

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

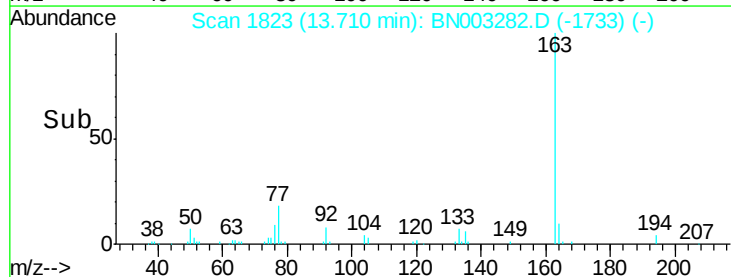
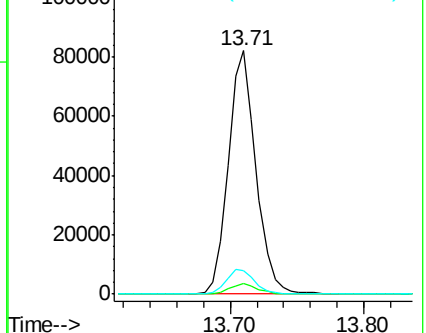
164 9.8 7.9 11.9

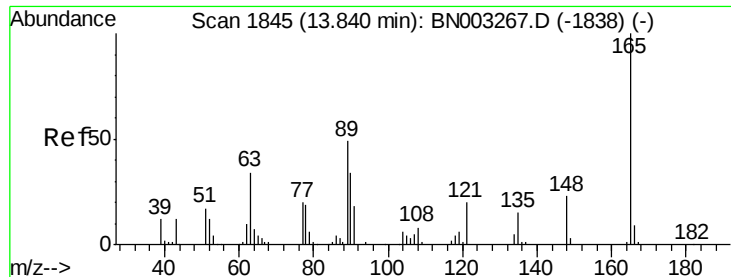


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

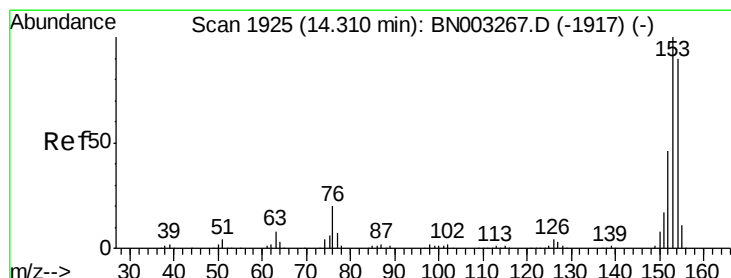
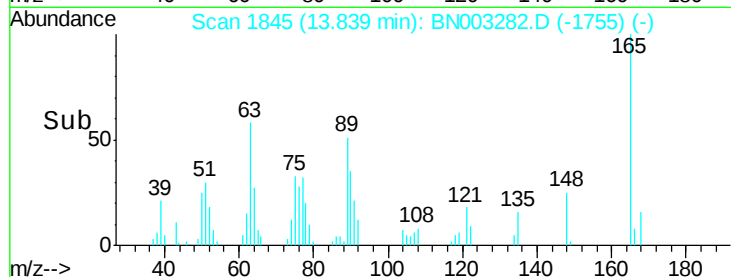
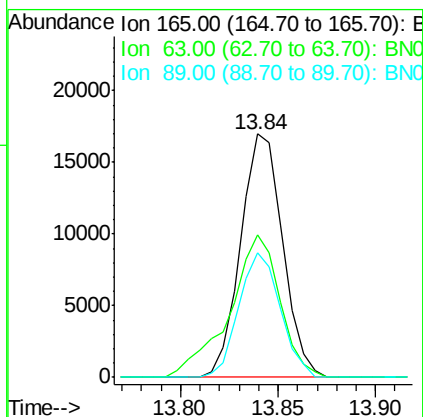
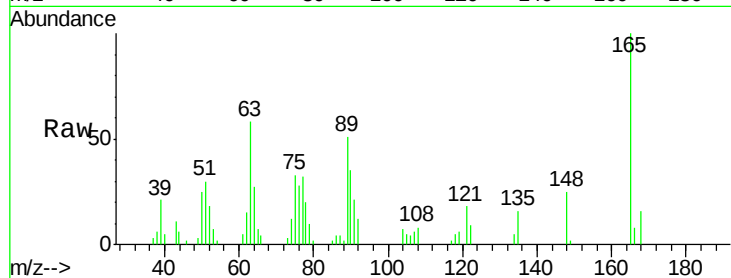




#51
2,6-Dinitrotoluene
Concen: 4.827 ng
RT: 13.84 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

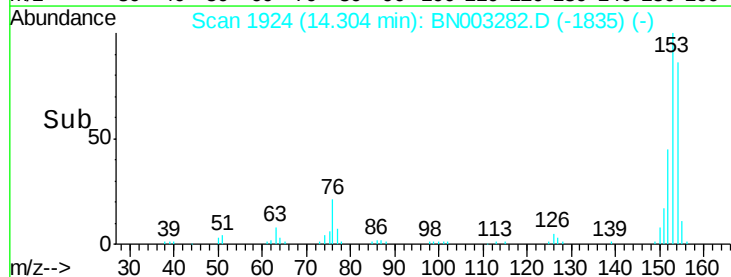
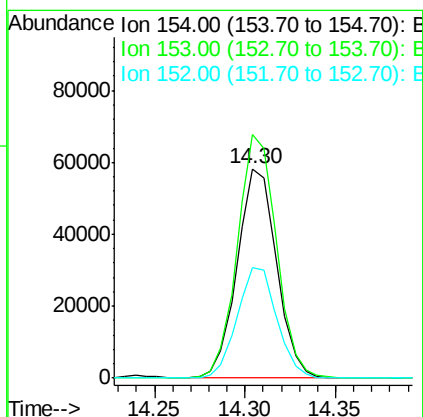
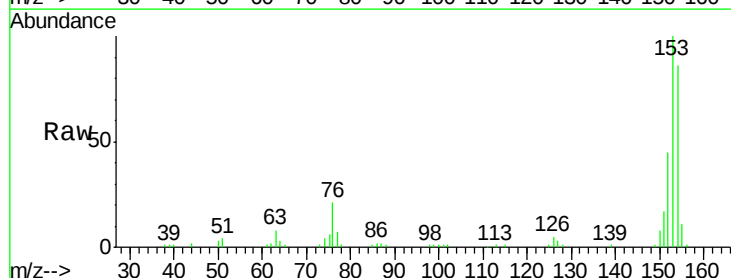
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

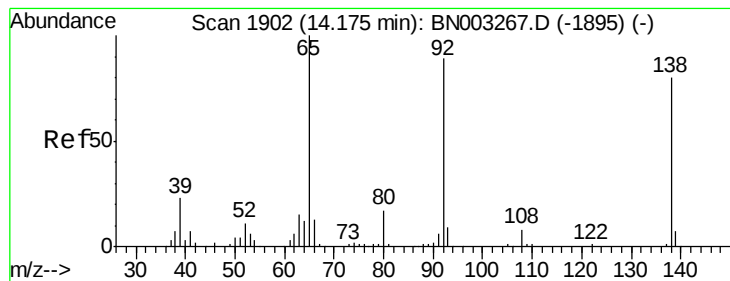
Tgt Ion:165 Resp: 25367
Ion Ratio Lower Upper
165 100
63 58.5 39.2 58.8
89 51.3 38.9 58.3



#52
Acenaphthene
Concen: 5.124 ng
RT: 14.30 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:154 Resp: 88104
Ion Ratio Lower Upper
154 100
153 116.3 89.3 133.9
152 52.6 41.2 61.8





#53

3-Nitroaniline

Concen: 3.867 ng

RT: 14.19 min Scan# 1905

Delta R.T. 0.02 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

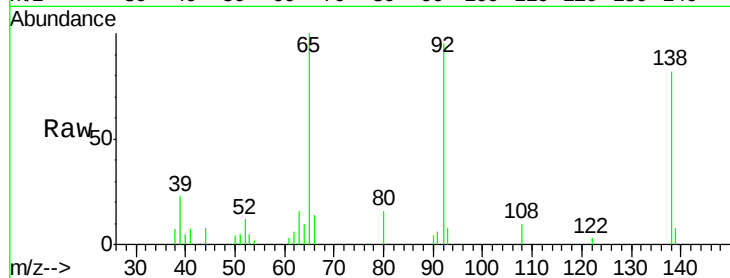
Tgt Ion:138 Resp: 21724

Ion Ratio Lower Upper

138 100

108 12.8 8.4 12.6#

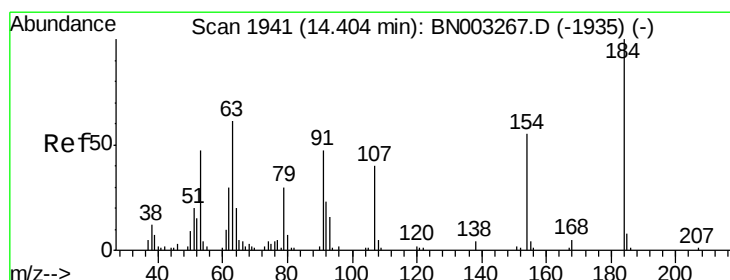
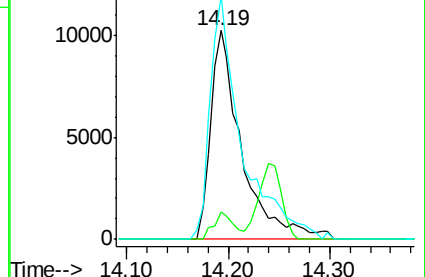
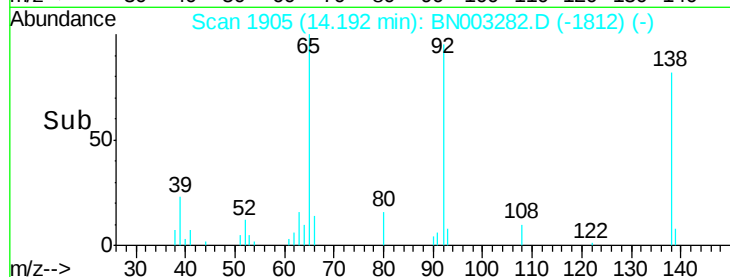
92 116.7 89.6 134.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC



#54

2,4-Dinitrophenol

Concen: 8.110 ng

RT: 14.47 min Scan# 1952

Delta R.T. 0.06 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

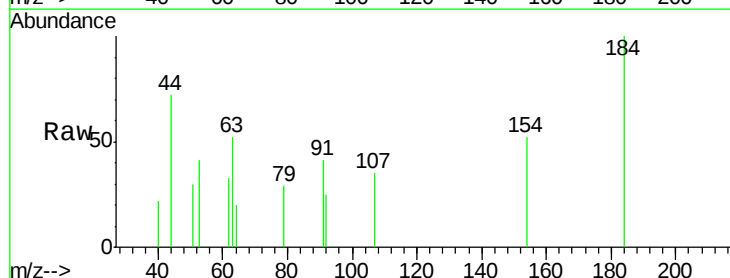
Tgt Ion:184 Resp: 5416

Ion Ratio Lower Upper

184 100

63 52.2 49.0 73.4

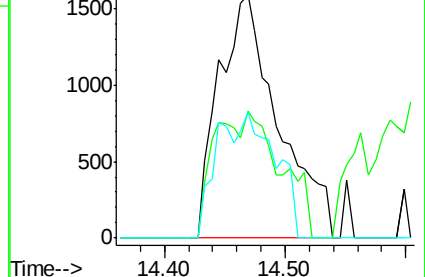
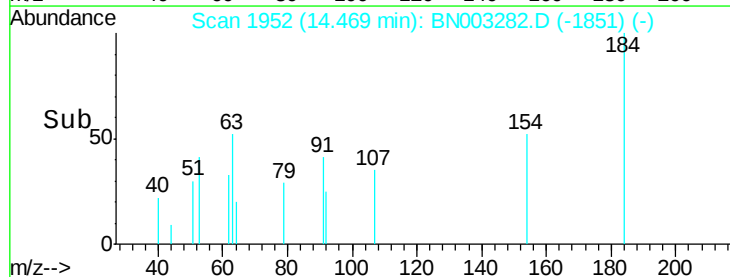
154 51.6 44.2 66.2

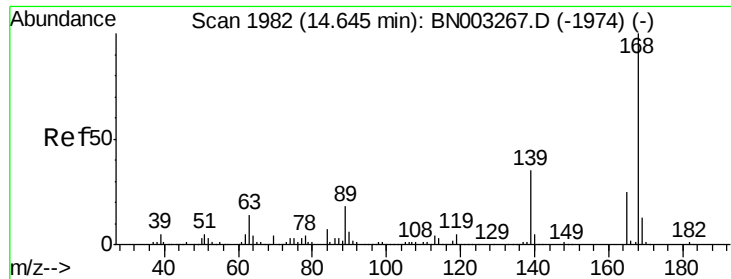


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E

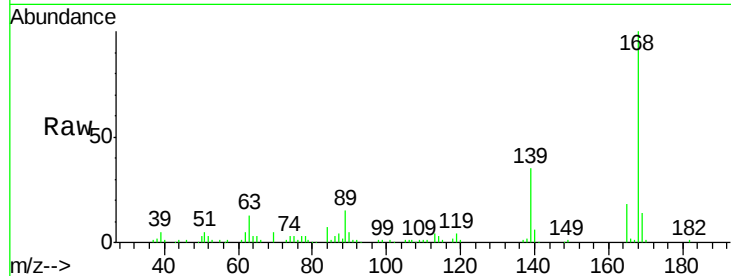




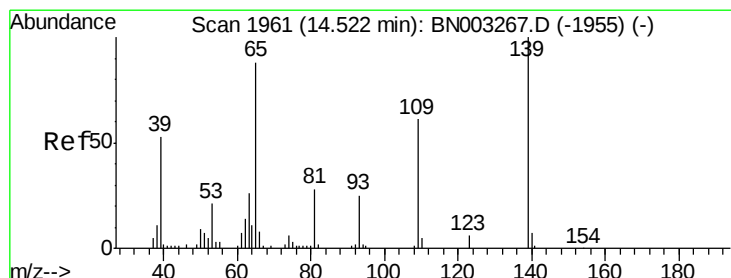
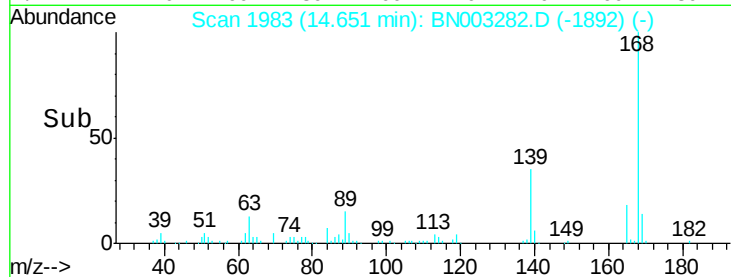
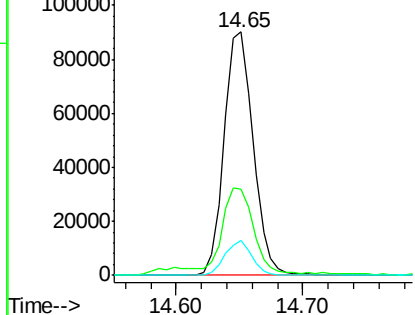
#55
Dibenzenofuran
Concen: 5.118 ng
RT: 14.65 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:168 Resp: 143143
Ion Ratio Lower Upper
168 100
139 35.2 28.5 42.7
169 14.2 10.3 15.5

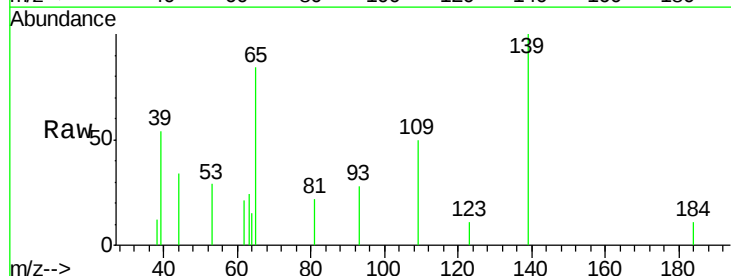


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

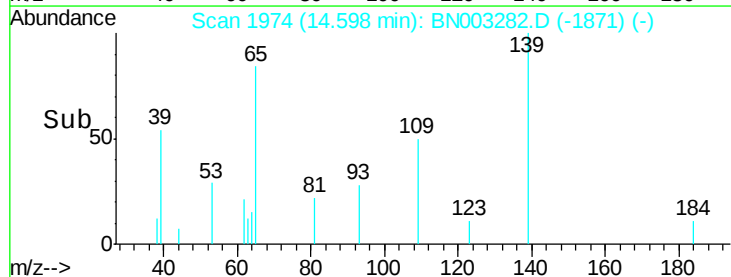
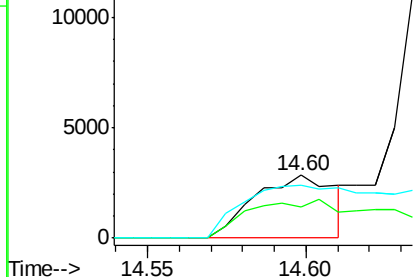


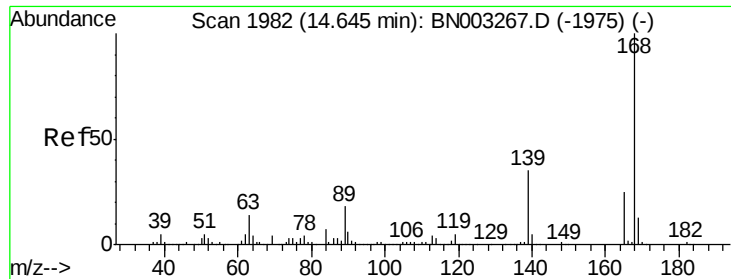
#56
4-Nitrophenol
Concen: 6.572 ng
RT: 14.60 min Scan# 1974
Delta R.T. 0.08 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:139 Resp: 5005
Ion Ratio Lower Upper
139 100
109 50.1 40.7 80.7
65 83.9 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

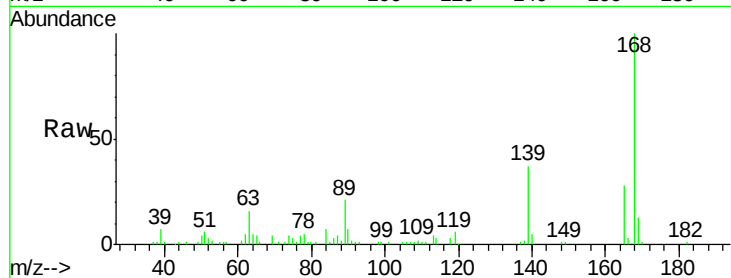




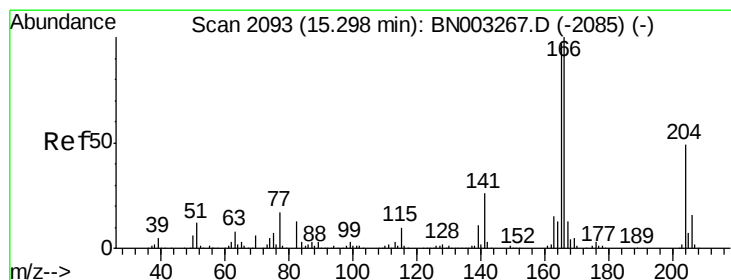
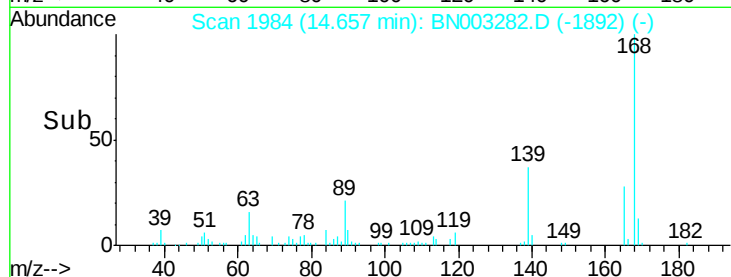
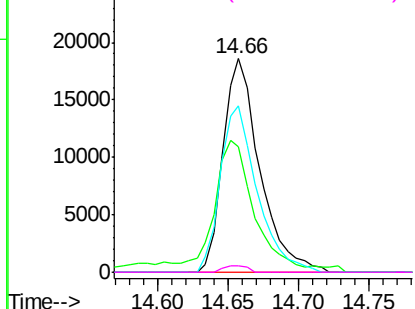
#57
2,4-Dinitrotoluene
Concen: 4.739 ng
RT: 14.66 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:165 Resp: 33769
Ion Ratio Lower Upper
165 100
63 58.7 45.8 68.6
89 77.8 58.7 88.1
182 3.2 2.3 3.5

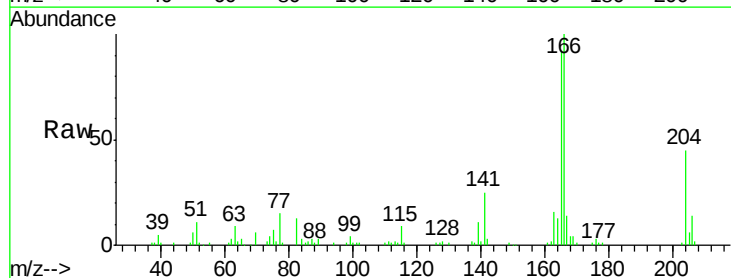


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

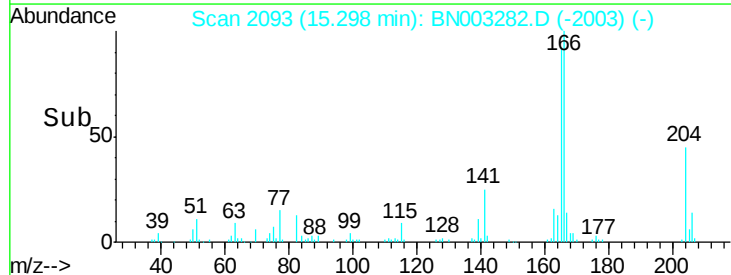
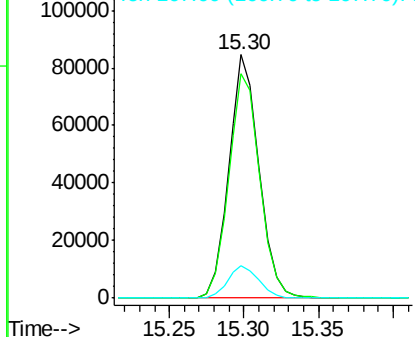


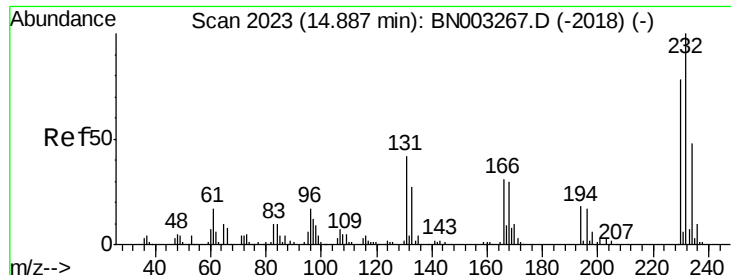
#58
Fluorene
Concen: 5.504 ng
RT: 15.30 min Scan# 2093
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:166 Resp: 118806
Ion Ratio Lower Upper
166 100
165 92.2 77.6 116.4
167 13.6 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

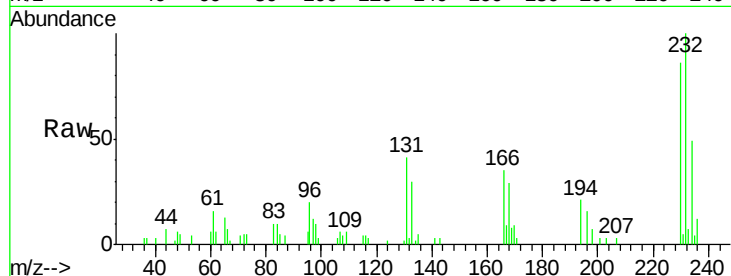




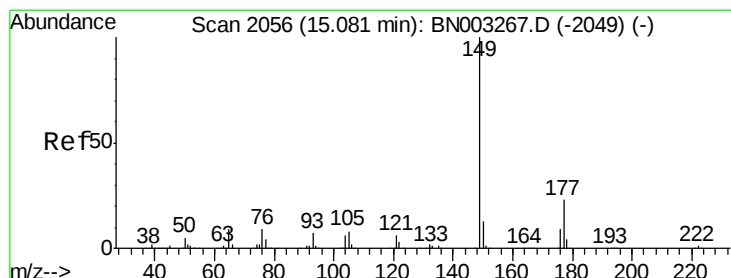
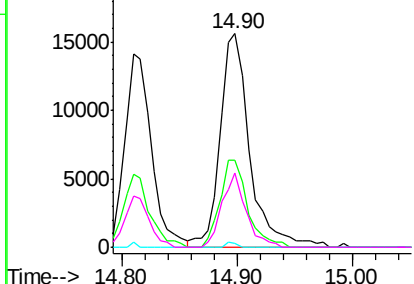
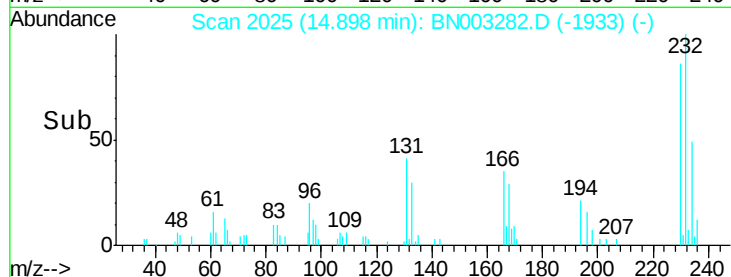
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.066 ng
 RT: 14.90 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 232 Resp: 27773
 Ion Ratio Lower Upper
 232 100
 131 38.0 33.7 50.5
 130 0.8 1.6 2.4#
 166 28.1 24.3 36.5

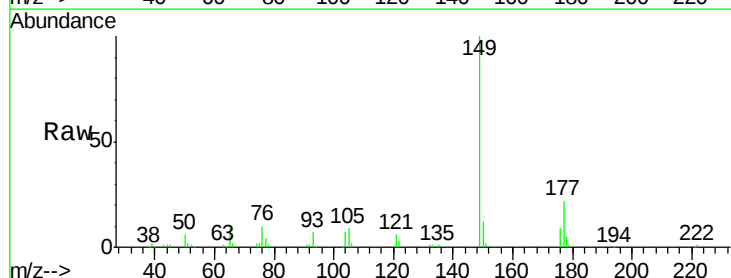


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

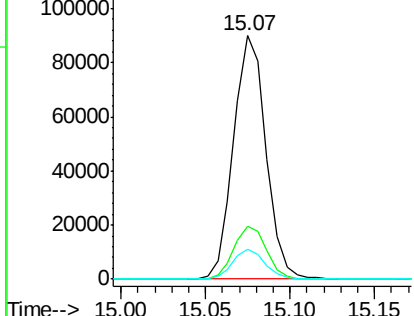
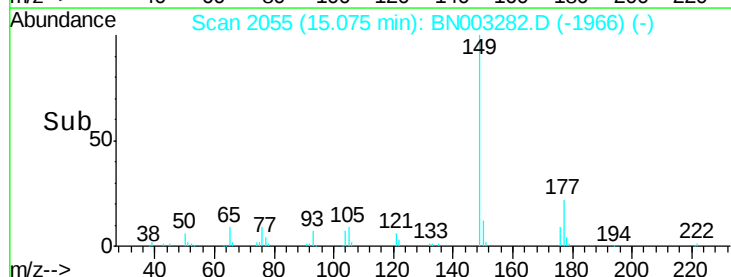


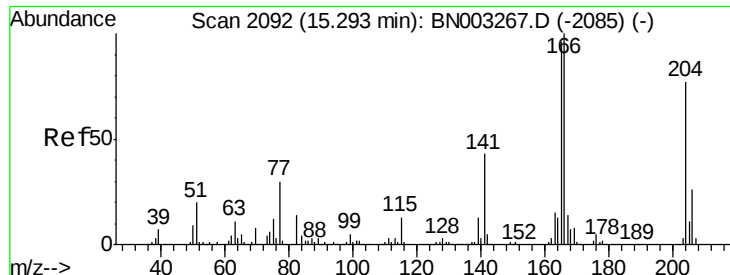
#60
 Diethylphthalate
 Concen: 5.107 ng
 RT: 15.07 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion: 149 Resp: 120000
 Ion Ratio Lower Upper
 149 100
 177 21.7 18.6 28.0
 150 12.4 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

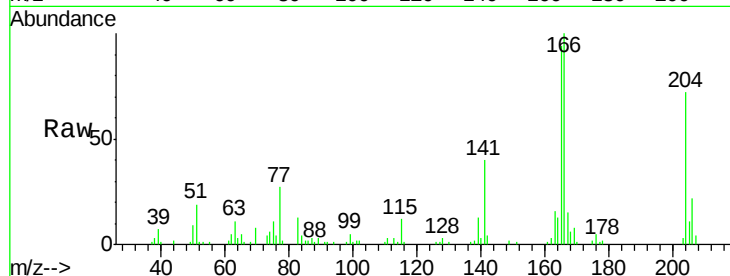




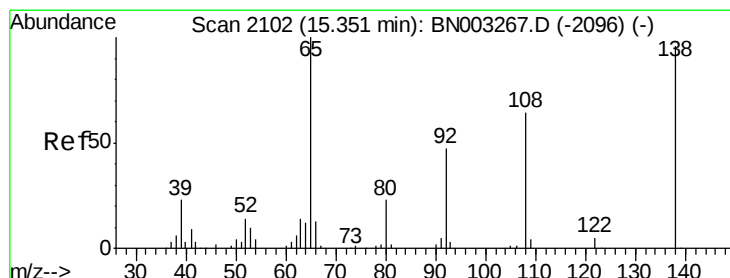
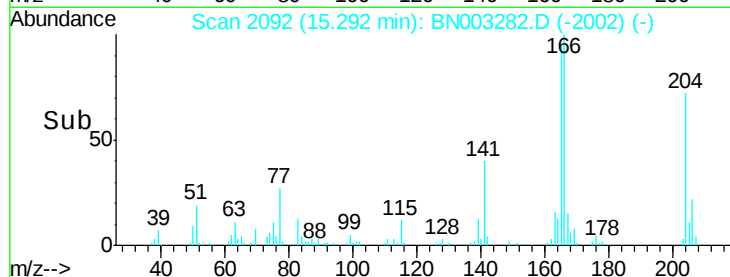
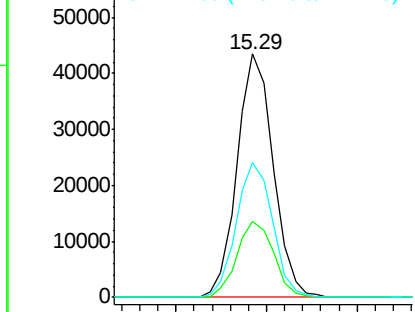
#61
 4-Chlorophenyl-phenylether
 Concen: 5.023 ng
 RT: 15.29 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:204 Resp: 60239
 Ion Ratio Lower Upper
 204 100
 206 31.3 26.6 39.8
 141 55.5 44.6 67.0

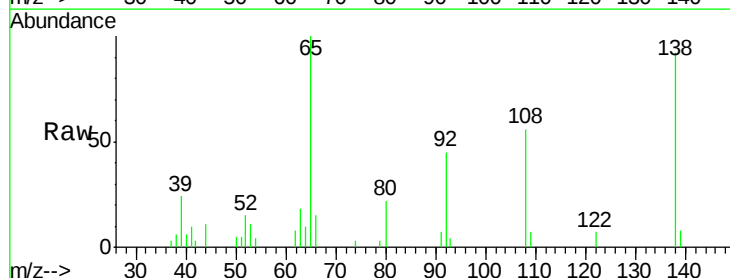


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

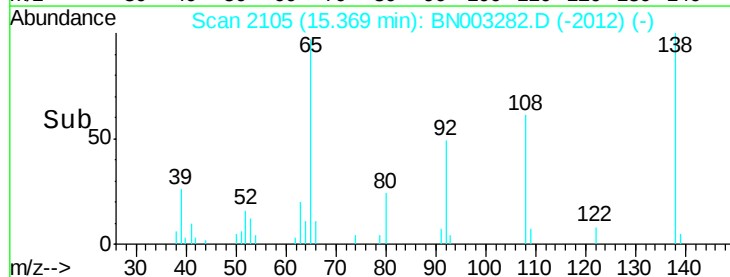
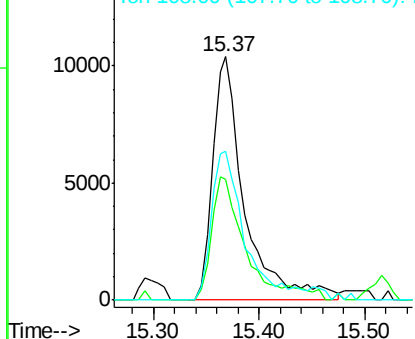


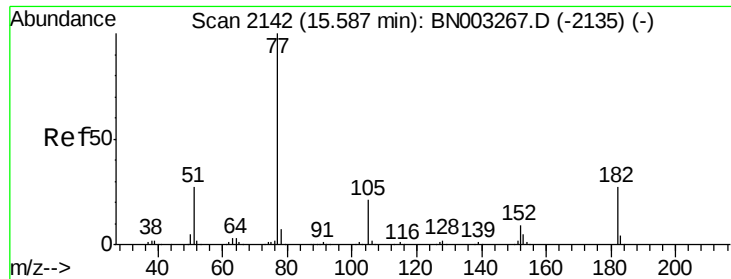
#62
 4-Nitroaniline
 Concen: 3.998 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:138 Resp: 21943
 Ion Ratio Lower Upper
 138 100
 92 49.3 27.9 67.9
 108 61.4 46.3 86.3



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E

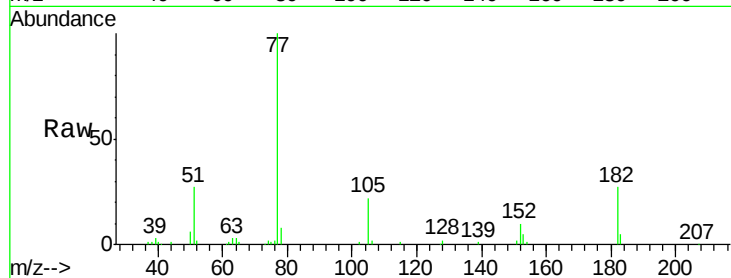




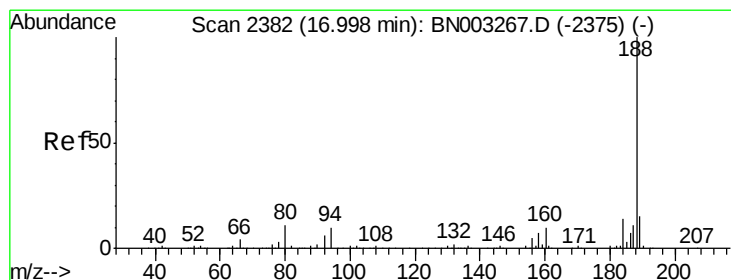
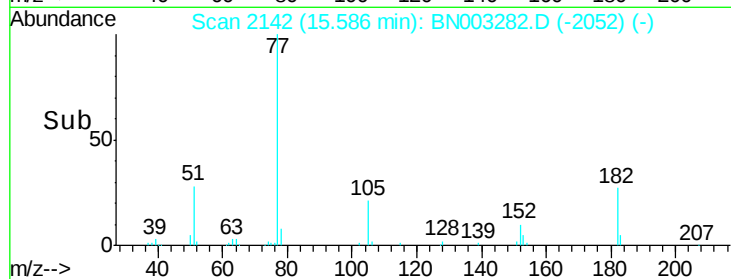
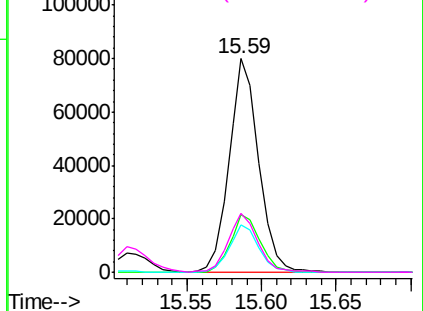
#63
Azobenzene
Concen: 5.095 ng
RT: 15.59 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	77	Resp:	110635
Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.5	46.5
105	22.0	1.0	41.0
51	27.4	7.0	47.0

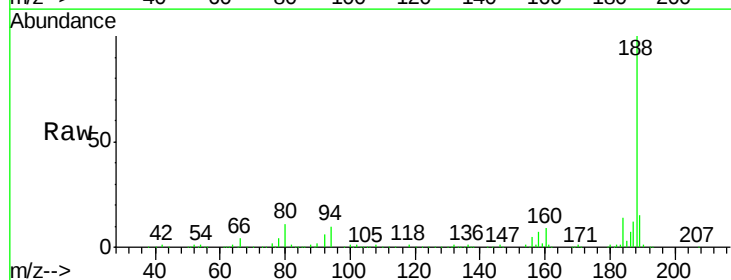


Abundance Ion 77.00 (76.70 to 77.70): BN003267.D (-2135) (-)

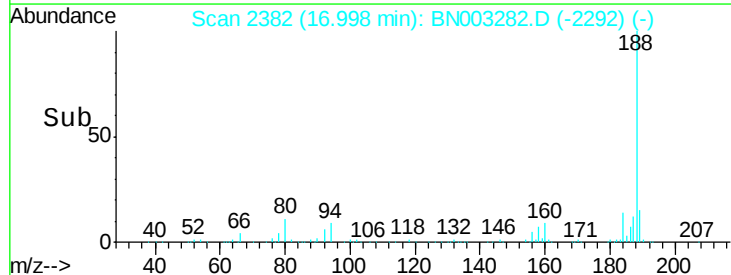
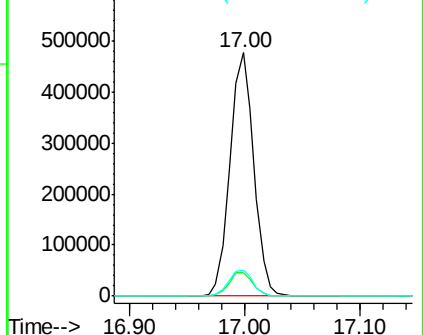


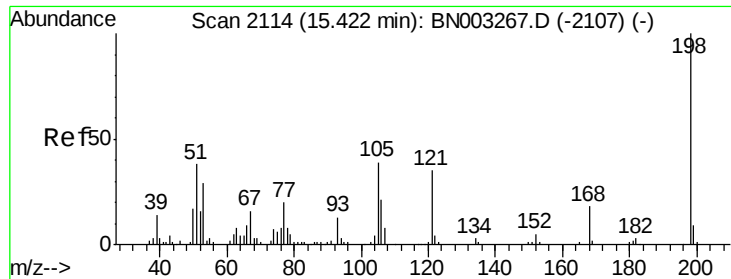
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:	188	Resp:	681193
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.1	12.1
80	10.8	8.6	13.0



Abundance Ion 188.00 (187.70 to 188.70): BN003267.D (-2375) (-)

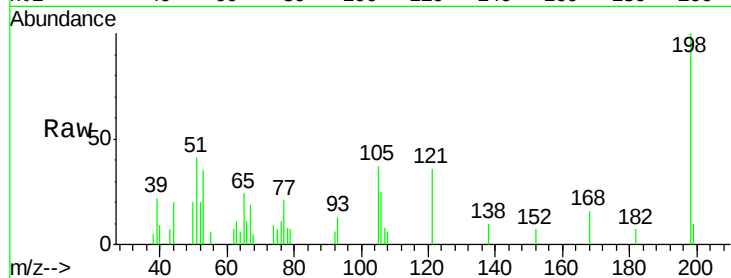




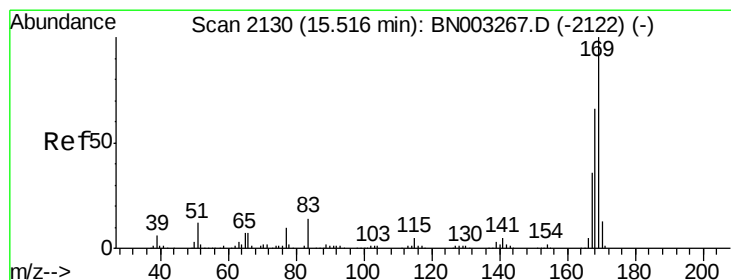
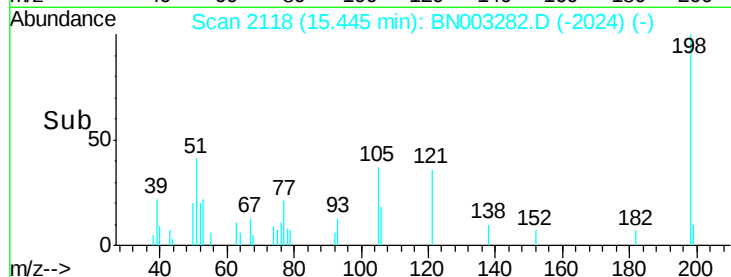
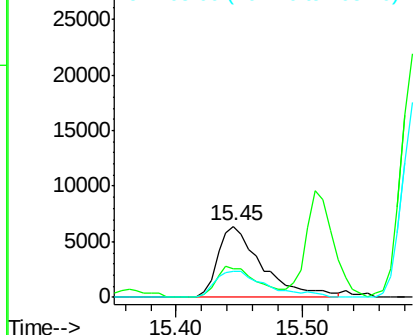
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.249 ng
 RT: 15.45 min Scan# 2118
 Delta R.T. 0.02 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:198 Resp: 15445
 Ion Ratio Lower Upper
 198 100
 51 40.9 19.2 59.2
 105 37.1 18.9 58.9

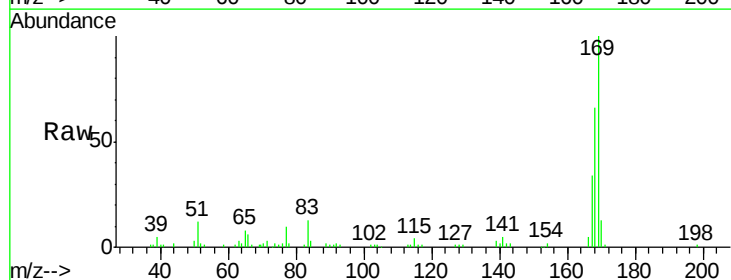


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

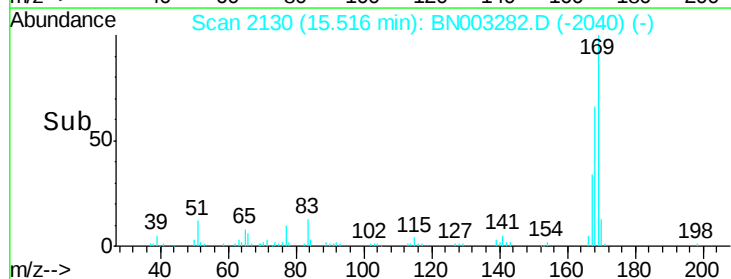
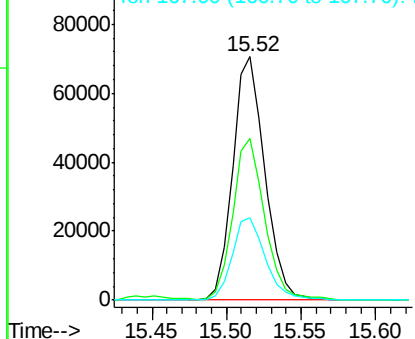


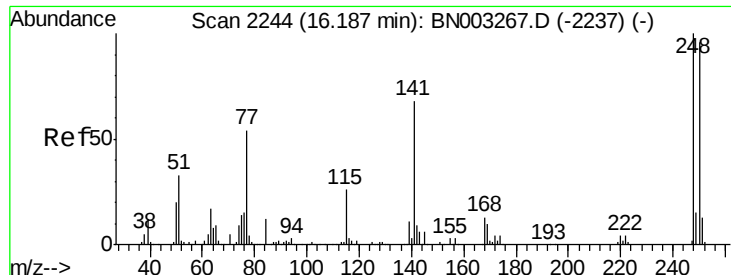
#66
 n-Nitrosodiphenylamine
 Concen: 4.947 ng
 RT: 15.52 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion:169 Resp: 105497
 Ion Ratio Lower Upper
 169 100
 168 66.3 53.3 79.9
 167 34.1 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

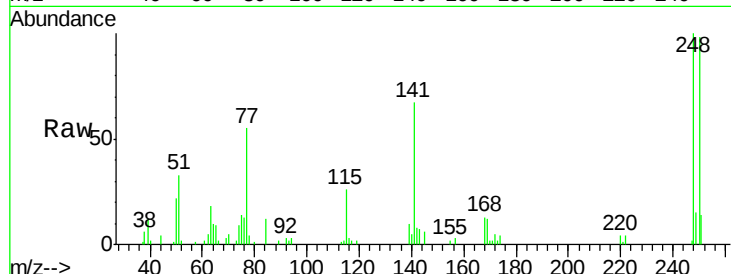




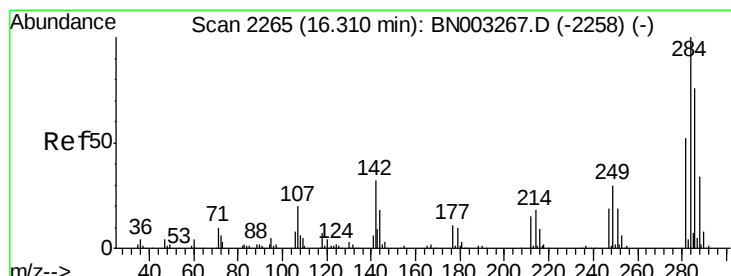
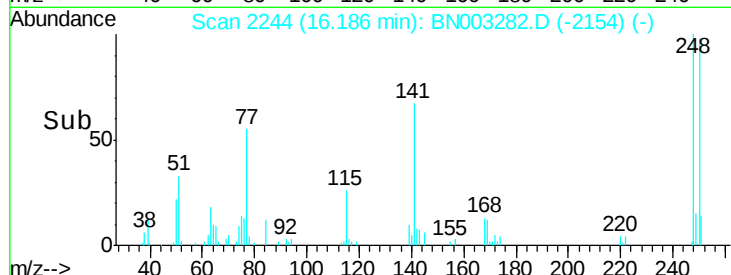
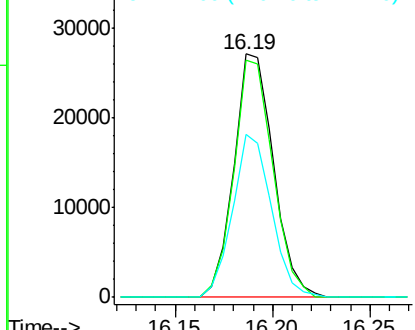
#67
4-Bromophenyl-phenylether
Concen: 4.950 ng
RT: 16.19 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:248 Resp: 37977
Ion Ratio Lower Upper
248 100
250 97.6 76.4 114.6
141 66.8 54.2 81.4

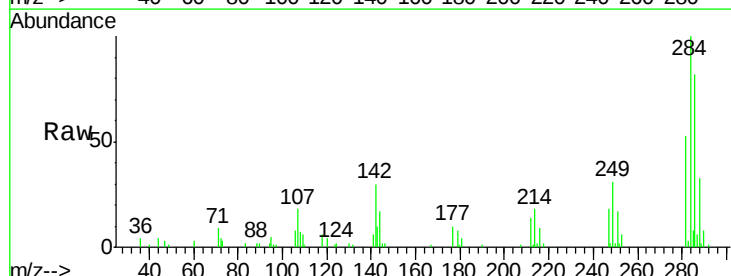


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

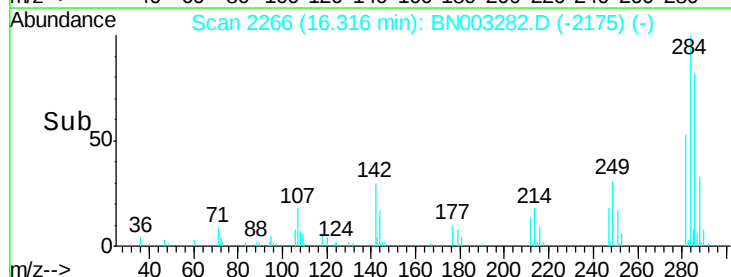
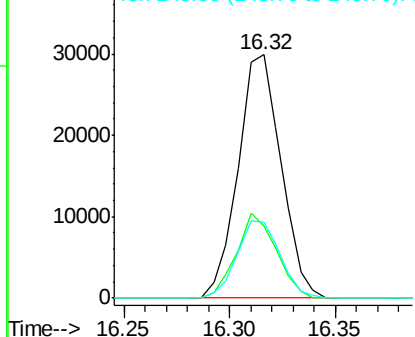


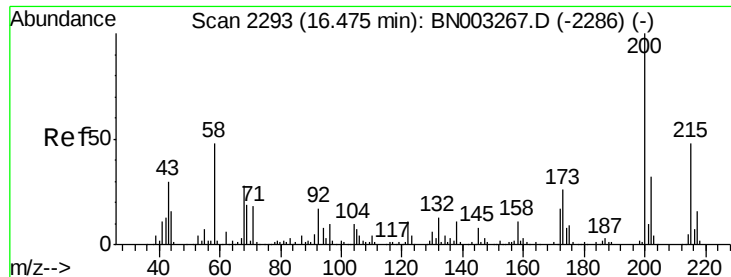
#68
Hexachlorobenzene
Concen: 4.830 ng
RT: 16.32 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion:284 Resp: 42217
Ion Ratio Lower Upper
284 100
142 29.6 25.6 38.4
249 31.0 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: 4.840 ng

RT: 16.47 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

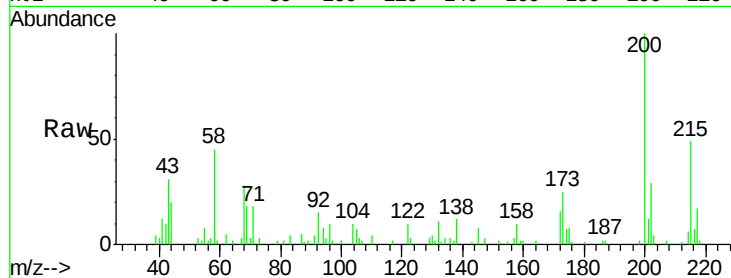
Tgt Ion:200 Resp: 36581

Ion Ratio Lower Upper

200 100

173 25.3 6.3 46.3

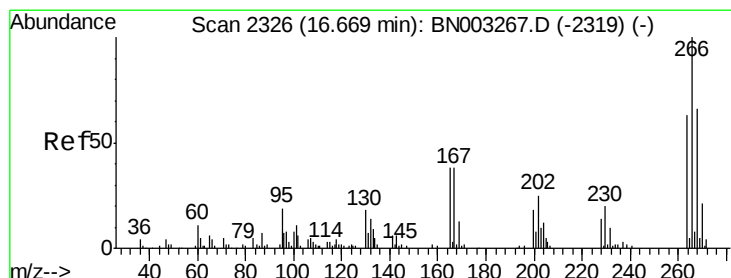
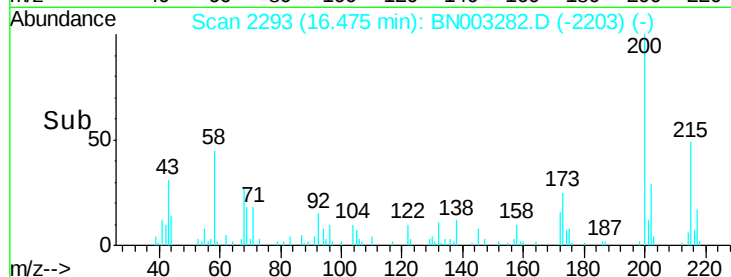
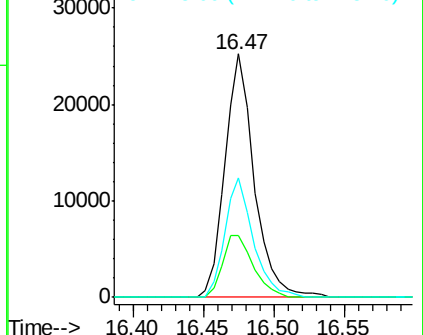
215 48.9 27.6 67.6



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: 8.382 ng

RT: 16.69 min Scan# 2329

Delta R.T. 0.02 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

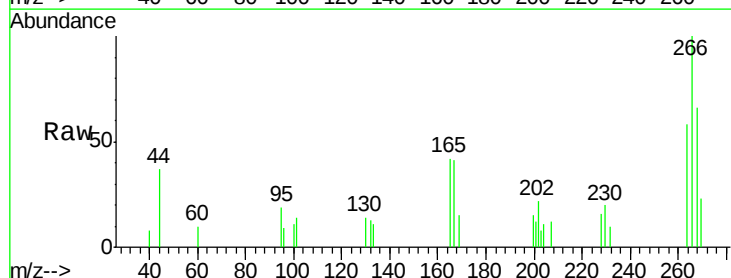
Tgt Ion:266 Resp: 8892

Ion Ratio Lower Upper

266 100

268 66.4 52.5 78.7

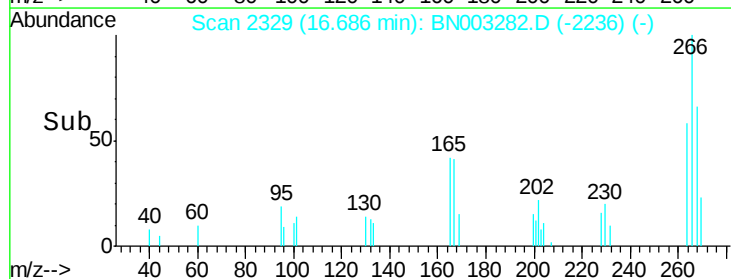
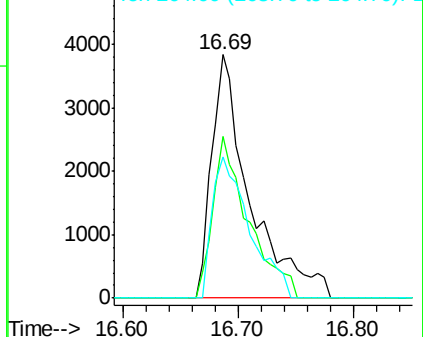
264 58.2 50.3 75.5

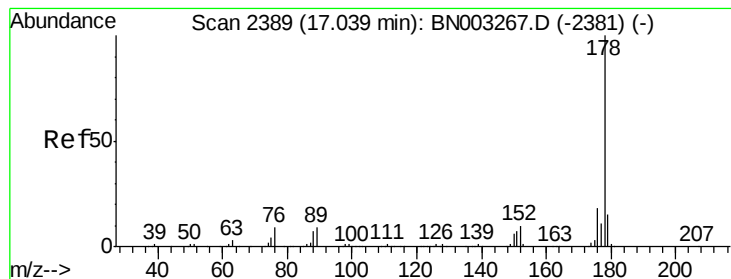


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.369 ng

RT: 17.05 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

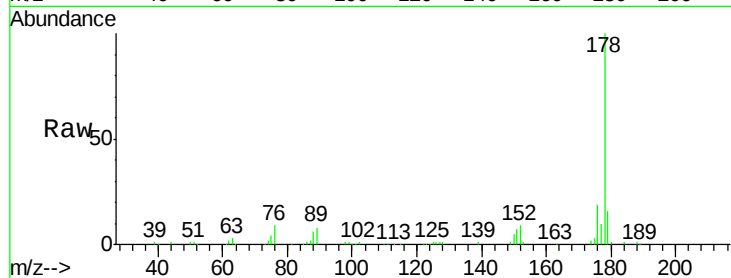
Tgt Ion:178 Resp: 192270

Ion Ratio Lower Upper

178 100

176 19.1 14.4 21.6

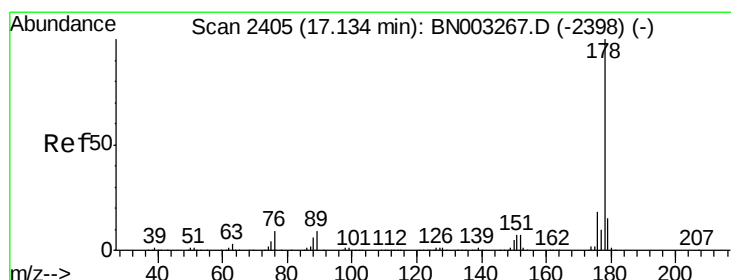
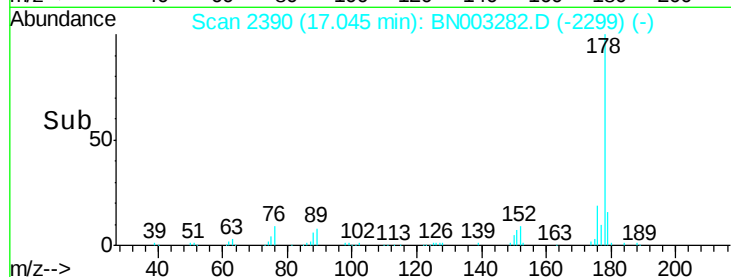
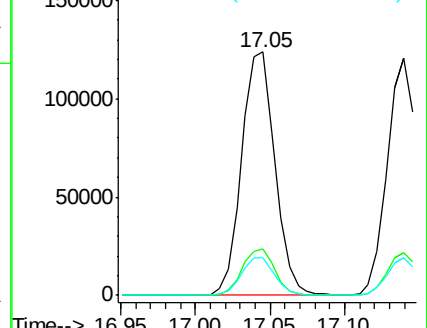
179 15.6 12.2 18.4



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: 5.363 ng

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

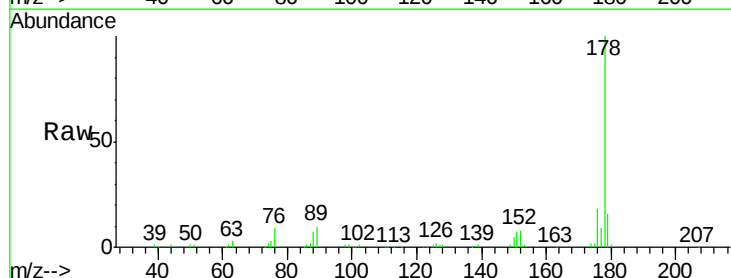
Tgt Ion:178 Resp: 191665

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

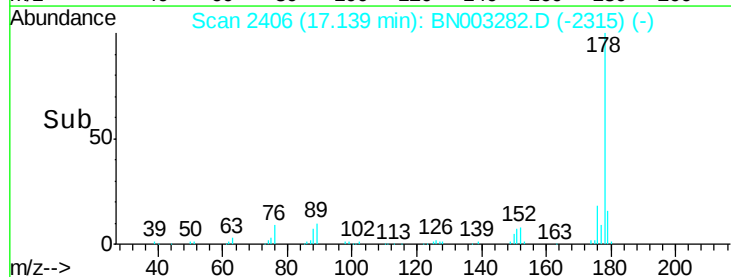
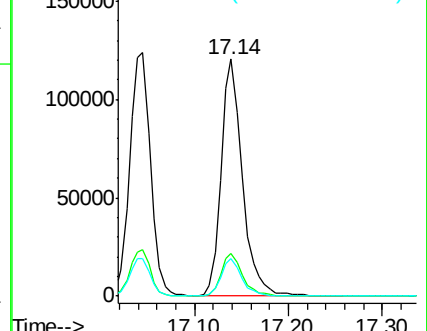
179 15.6 12.1 18.1

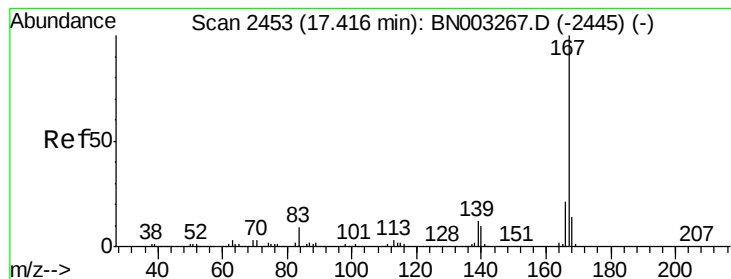


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 4.759 ng

RT: 17.43 min Scan# 2455

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

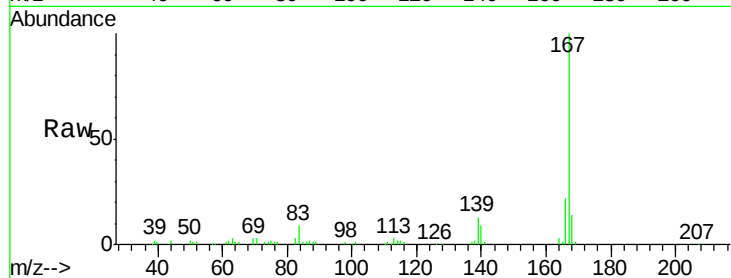
Tgt Ion:167 Resp: 176123

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

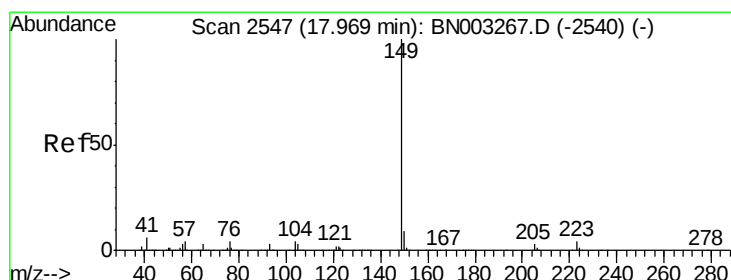
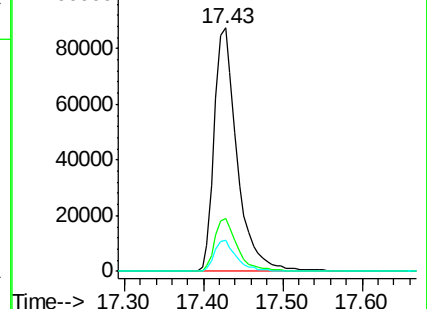
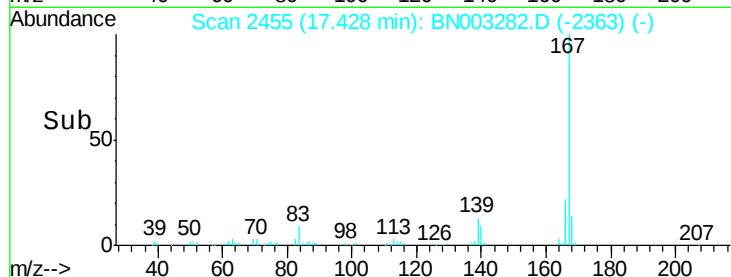
139 12.5 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 4.699 ng

RT: 17.97 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

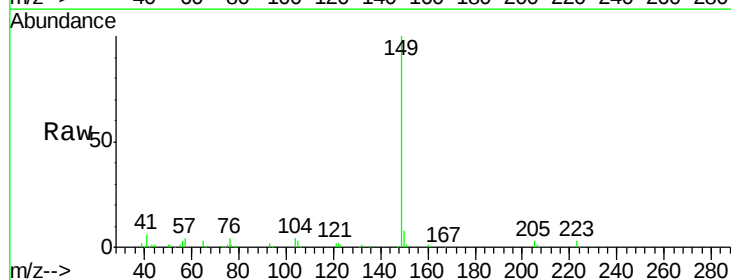
Tgt Ion:149 Resp: 202834

Ion Ratio Lower Upper

149 100

150 8.3 7.2 10.8

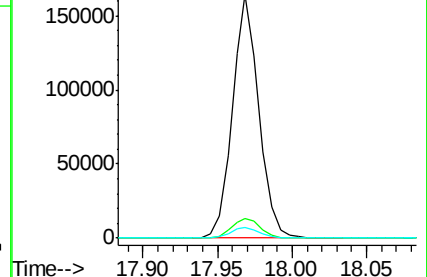
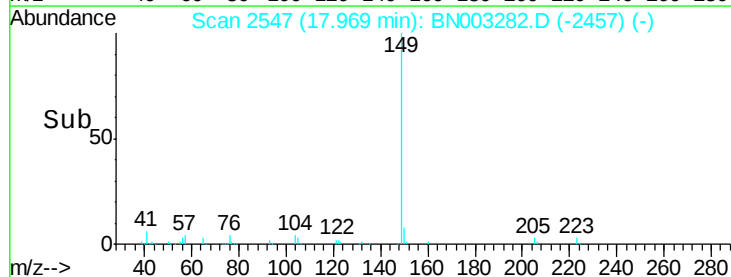
104 4.4 3.6 5.4

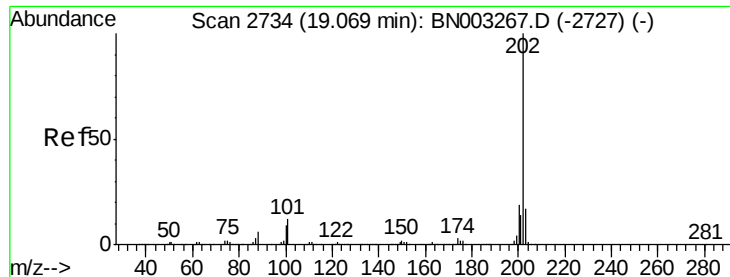


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.321 ng

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

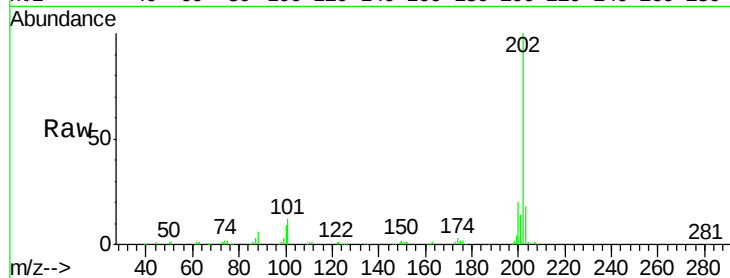
Tgt Ion:202 Resp: 224506

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.3

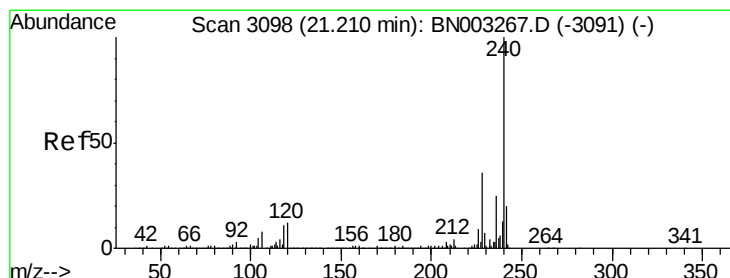
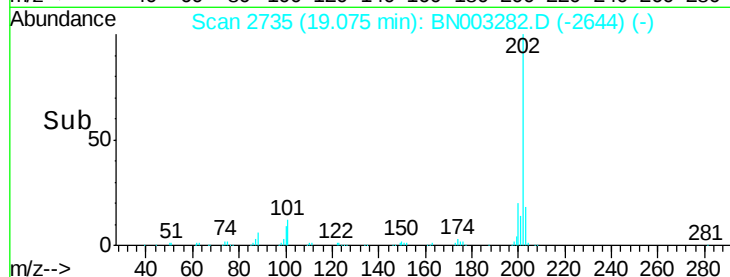
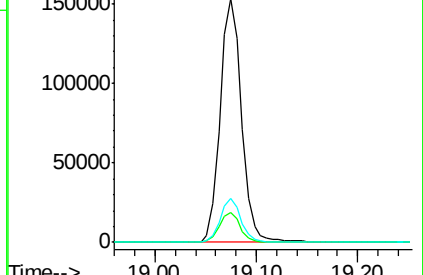
203 17.8 0.0 37.4



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: BN003282.D

Acq: 24 Oct 2018 21:28

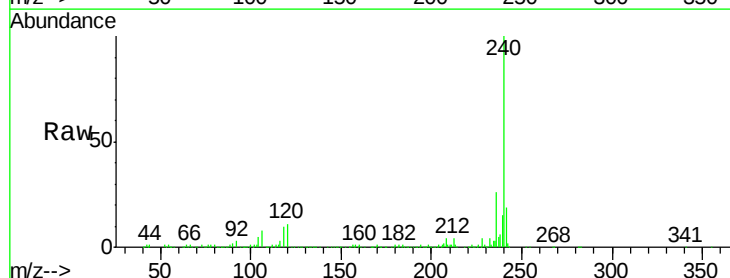
Tgt Ion:240 Resp: 766925

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.0

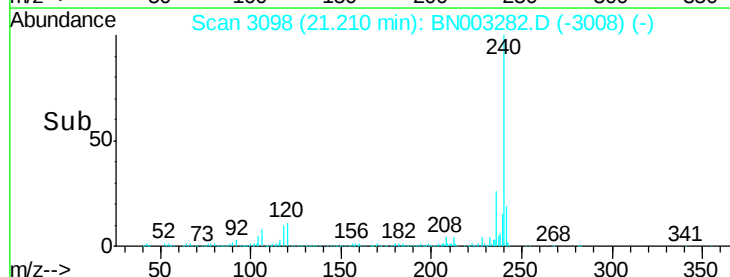
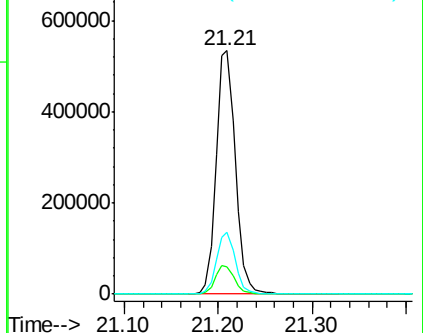
236 25.6 20.3 30.5

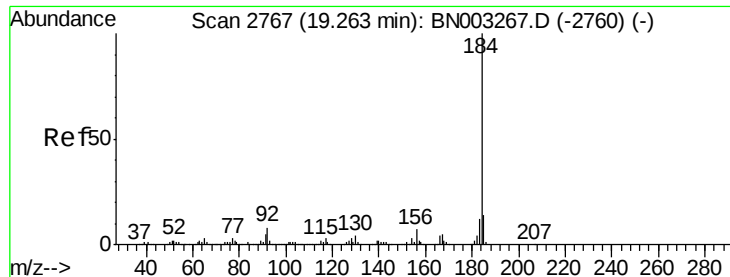


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.937 ng

RT: 19.27 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

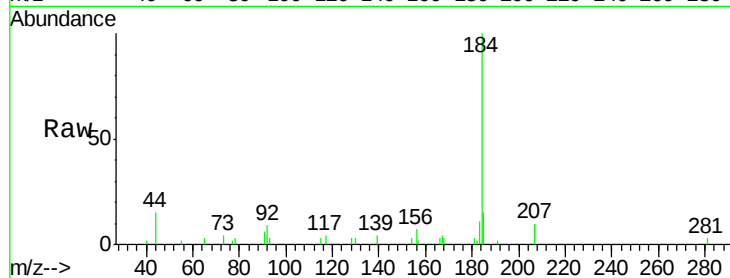
Tgt Ion:184 Resp: 21043

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

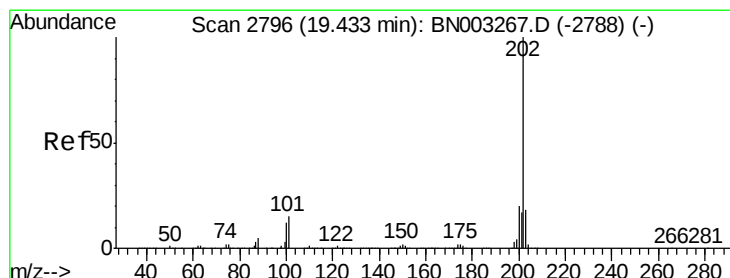
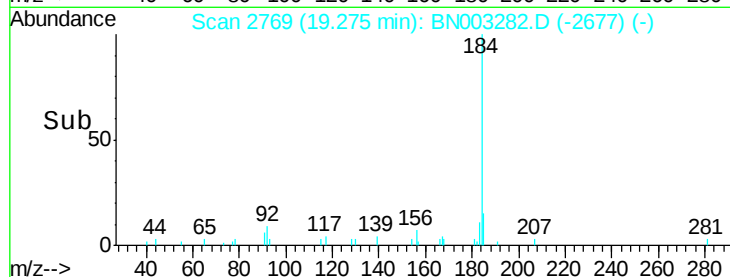
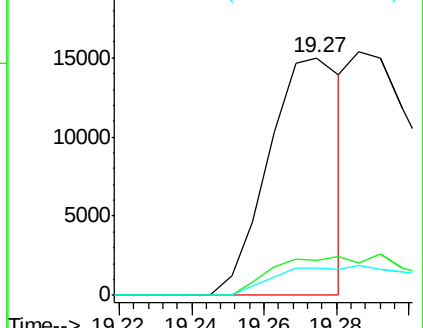
183 11.3 9.4 14.0



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: 5.144 ng

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

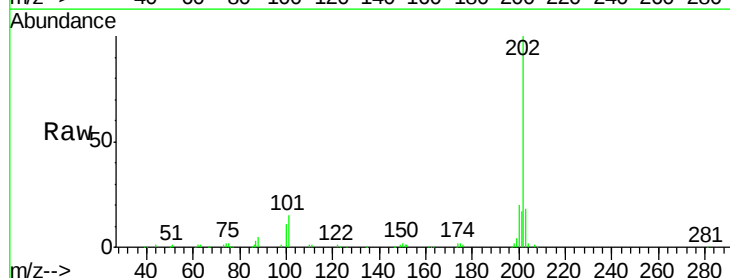
Tgt Ion:202 Resp: 231846

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.4

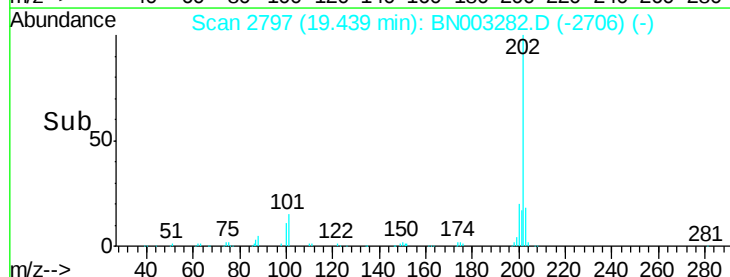
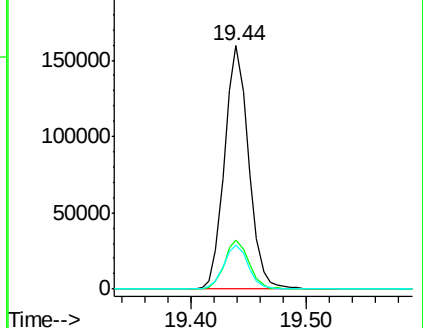
203 18.3 14.3 21.5

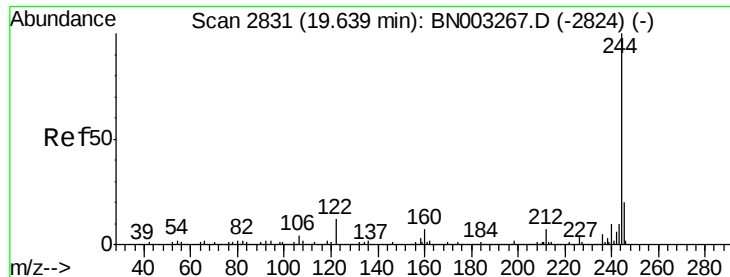


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.286 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

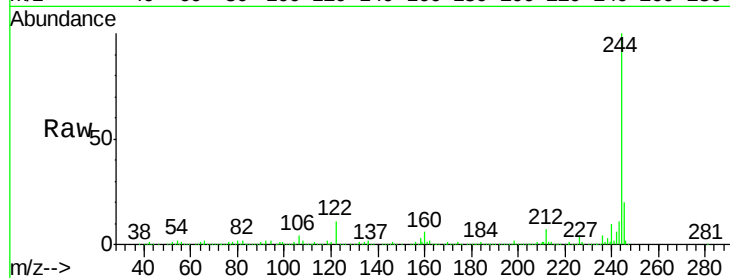
Tgt Ion:244 Resp: 2807485

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

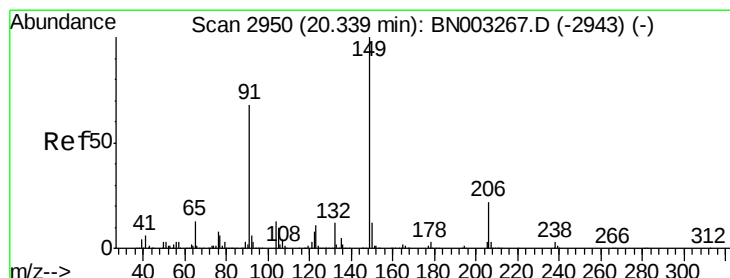
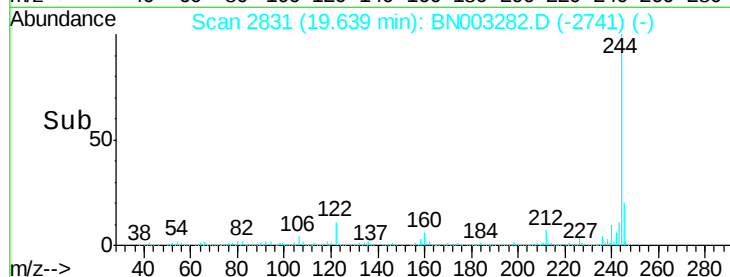
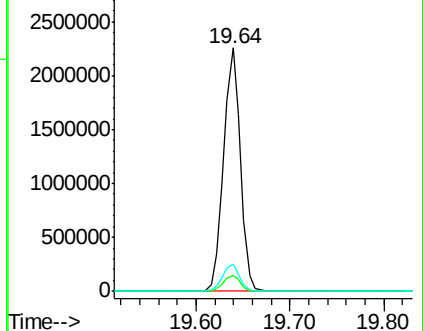
122 11.2 9.4 14.2



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: 4.616 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

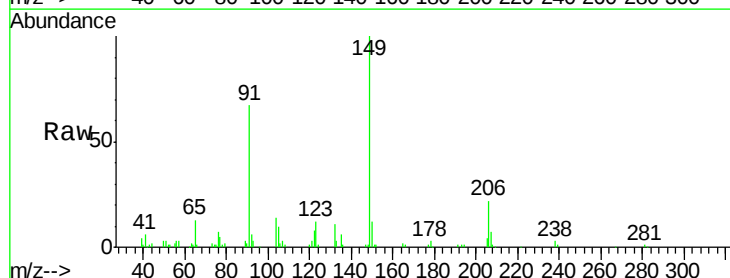
Tgt Ion:149 Resp: 96601

Ion Ratio Lower Upper

149 100

91 67.1 54.6 81.8

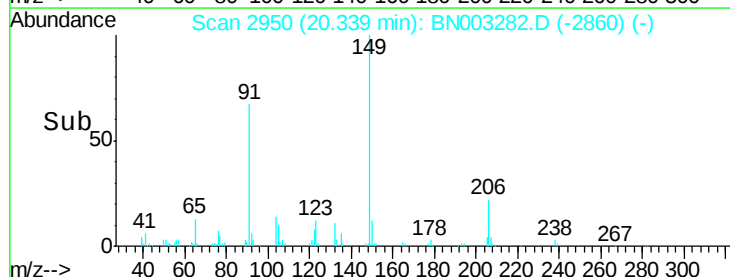
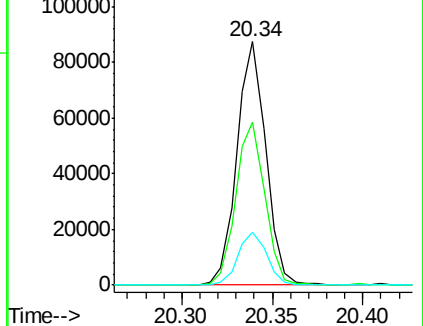
206 22.0 17.8 26.6

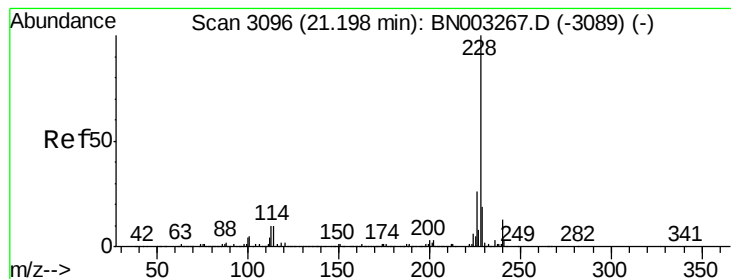


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.409 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

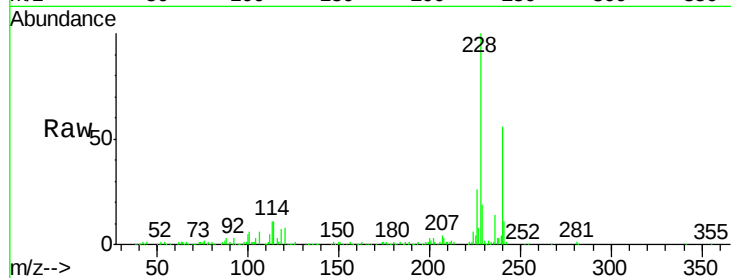
Tgt Ion:228 Resp: 241588

Ion Ratio Lower Upper

228 100

226 26.2 20.8 31.2

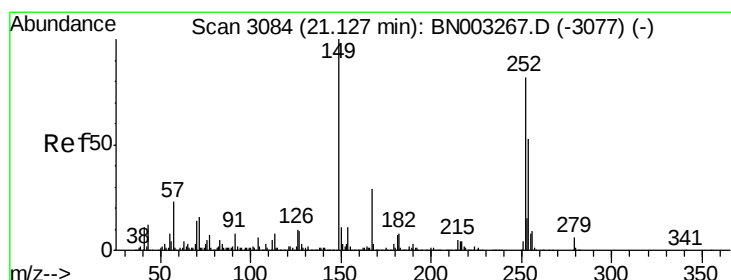
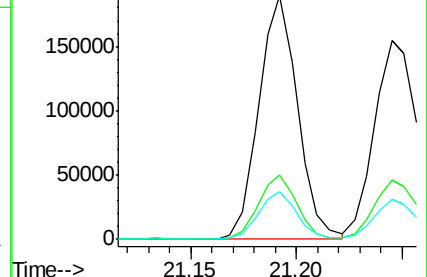
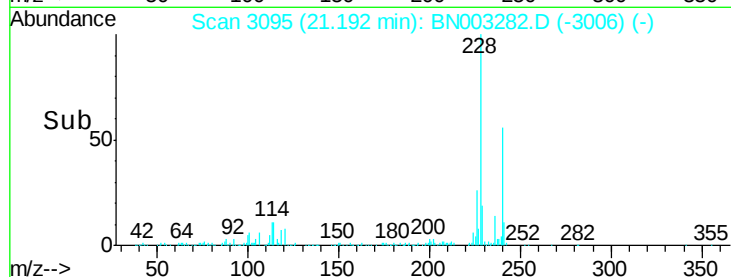
229 19.4 15.3 22.9



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: 4.063 ng

RT: 21.13 min Scan# 3085

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

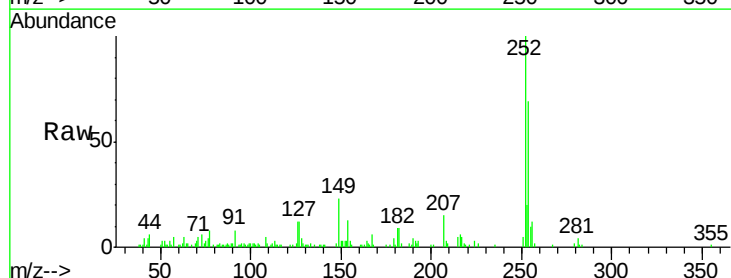
Tgt Ion:252 Resp: 75088

Ion Ratio Lower Upper

252 100

254 69.5 51.1 76.7

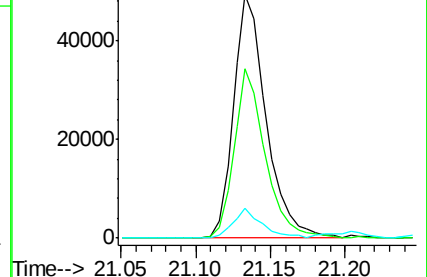
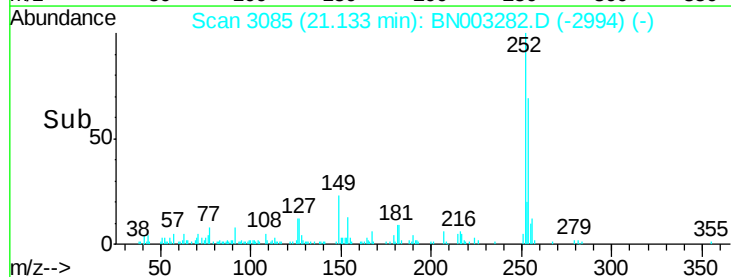
126 12.2 9.3 13.9

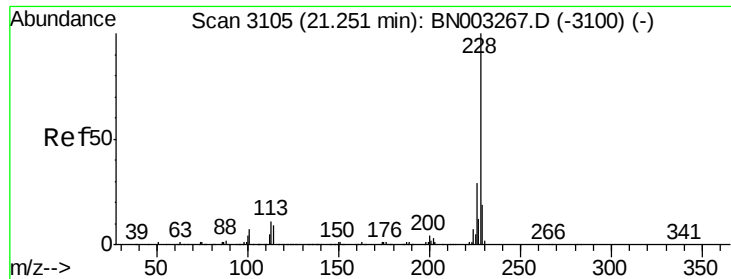


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

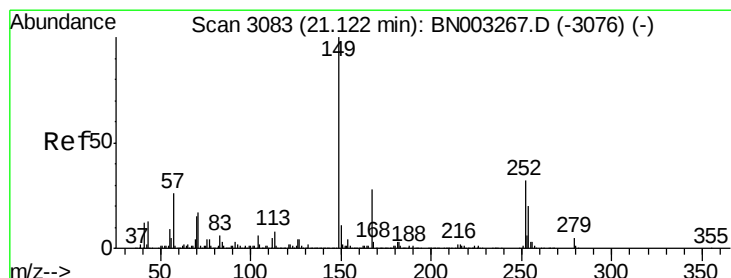
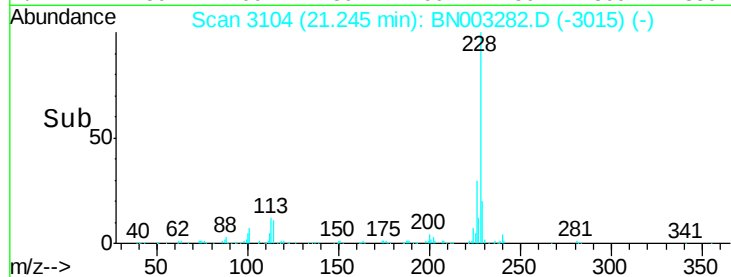
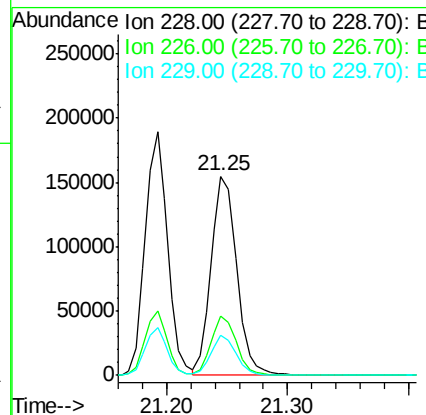
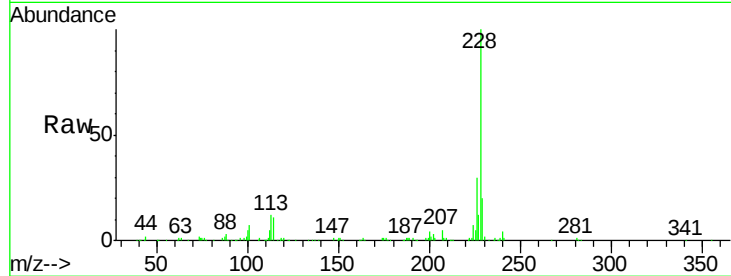




#83
Chrysene
 Concen: 5.300 ng
 RT: 21.25 min Scan# 3104
 Delta R.T. -0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

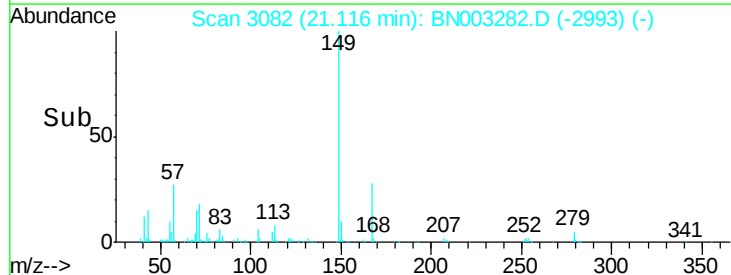
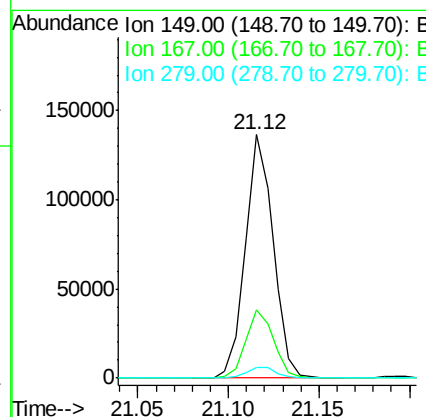
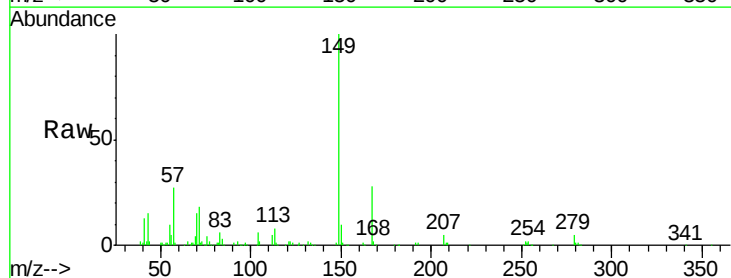
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

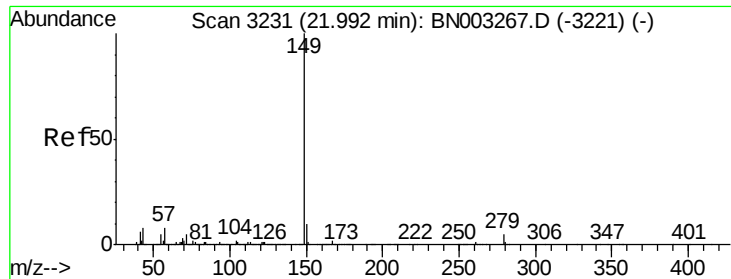
Tgt Ion: 228 Resp: 227537
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.3 34.9
 229 20.2 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
 Concen: 4.698 ng
 RT: 21.12 min Scan# 3082
 Delta R.T. -0.01 min
 Lab File: BN003282.D
 Acq: 24 Oct 2018 21:28

Tgt Ion: 149 Resp: 145829
 Ion Ratio Lower Upper
 149 100
 167 28.1 22.6 33.8
 279 4.5 3.8 5.8

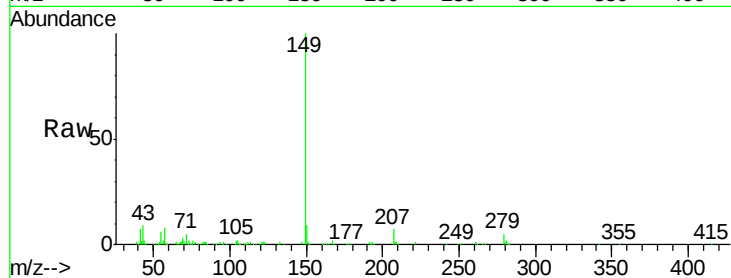




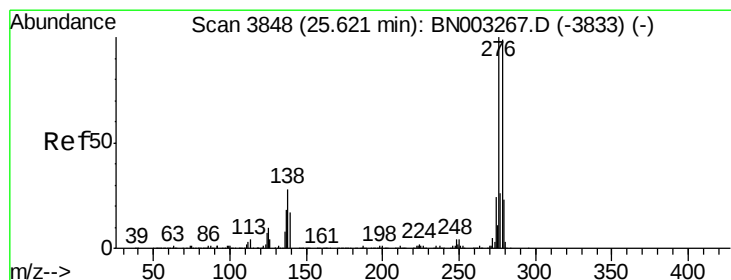
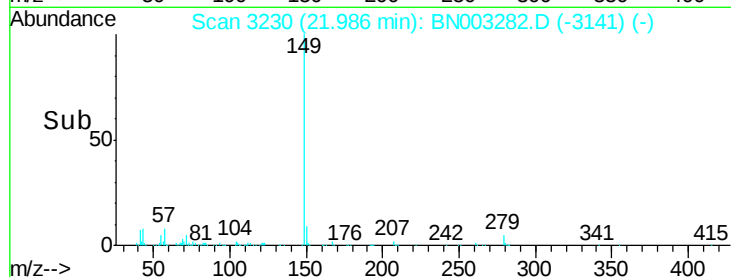
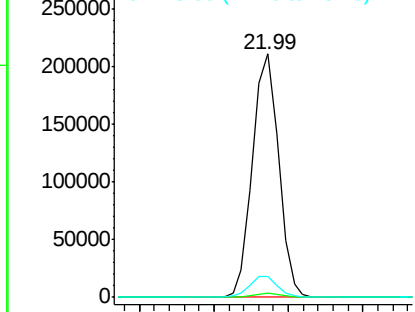
#85
Di-n-octyl phthalate
Concen: 4.820 ng
RT: 21.99 min Scan# 3230
Delta R.T. -0.01 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	6.9	10.3

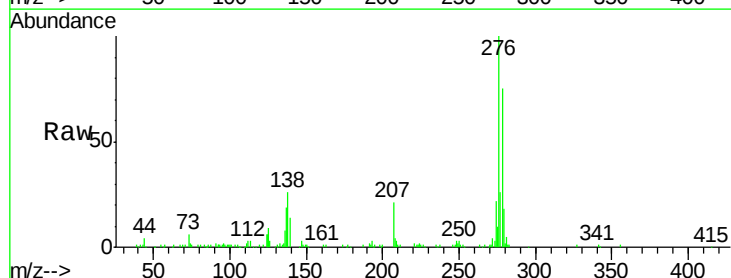


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BNC

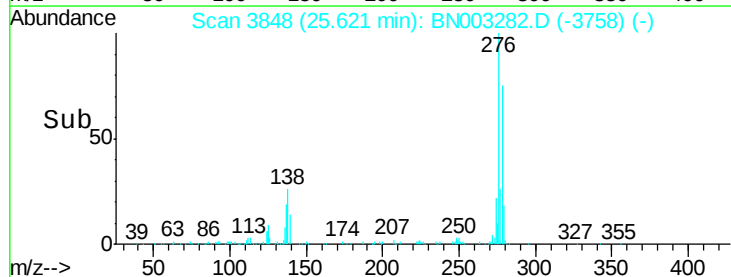
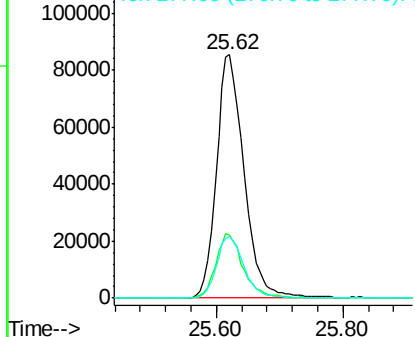


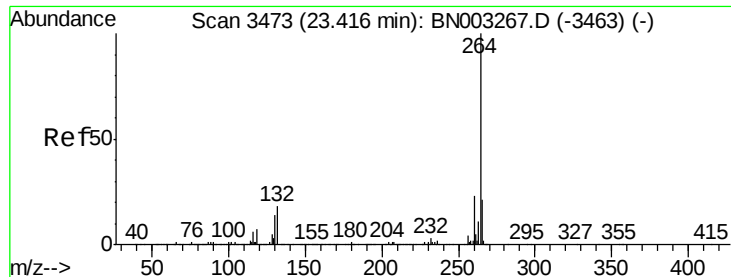
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.258 ng
RT: 25.62 min Scan# 3848
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.2	31.8
277	25.2	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: 23.41 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

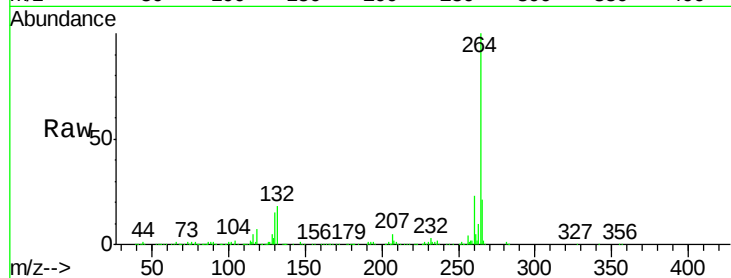
Tgt Ion:264 Resp: 798124

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

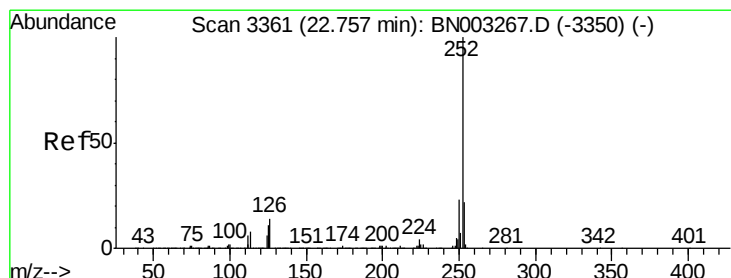
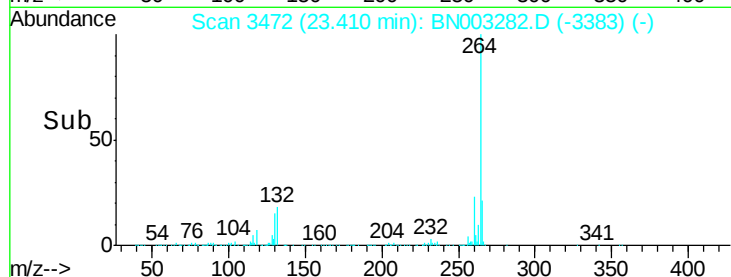
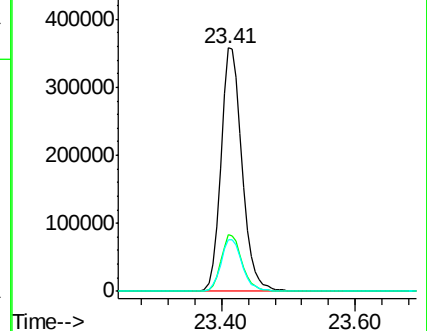
265 21.3 16.6 25.0



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: 5.424 ng

RT: 22.76 min Scan# 3361

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

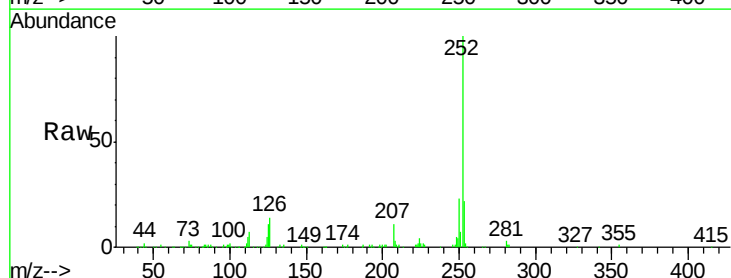
Tgt Ion:252 Resp: 238374

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

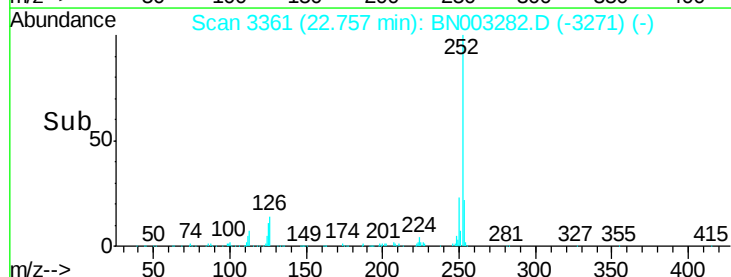
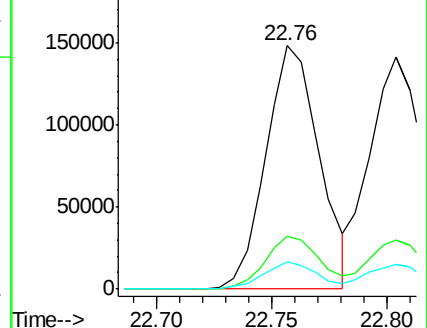
125 11.3 8.6 12.8

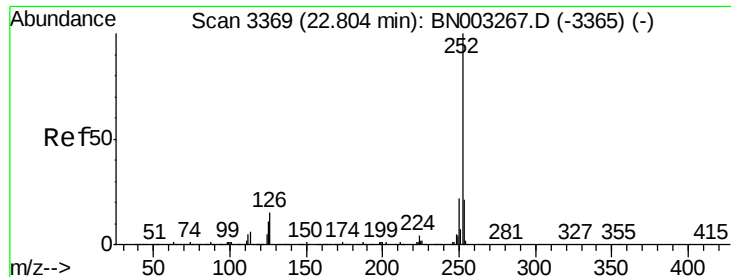


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

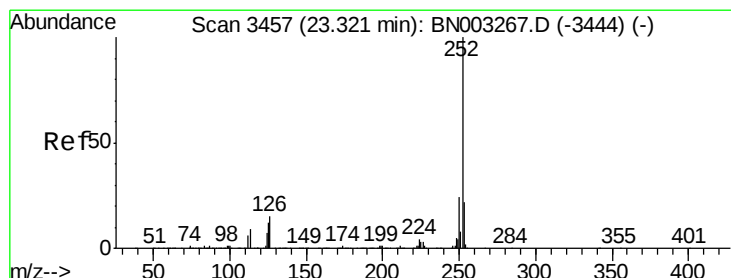
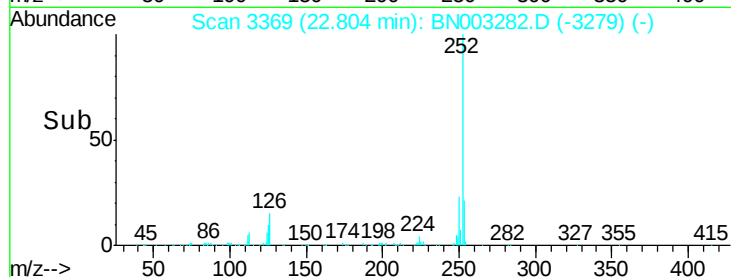
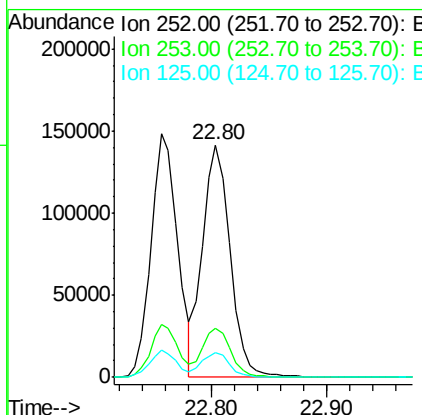
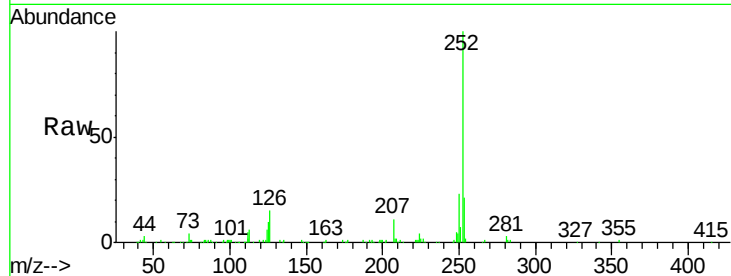




#89
Benzo(k)fluoranthene
Concen: 5.524 ng
RT: 22.80 min Scan# 3369
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

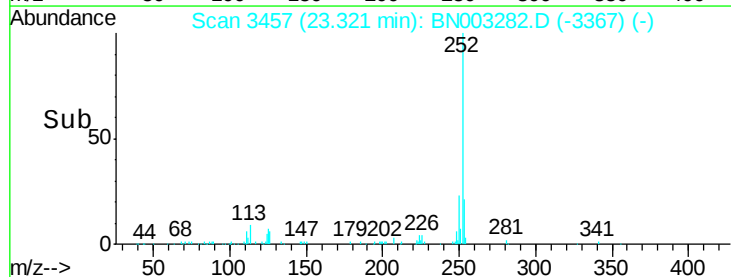
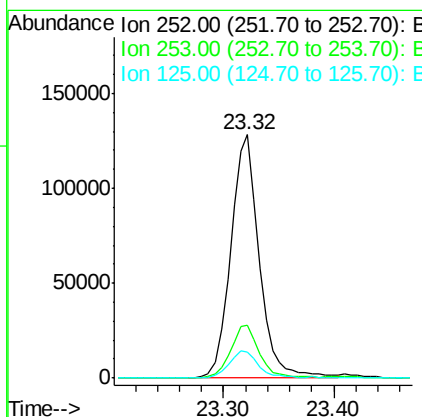
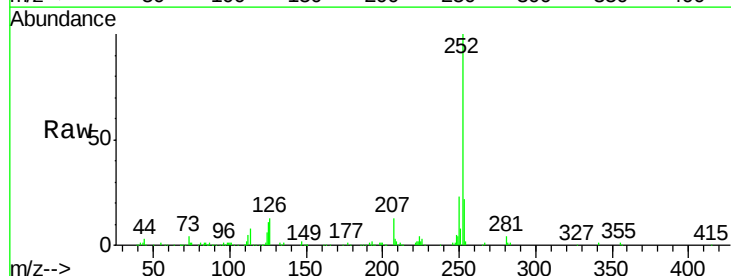
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

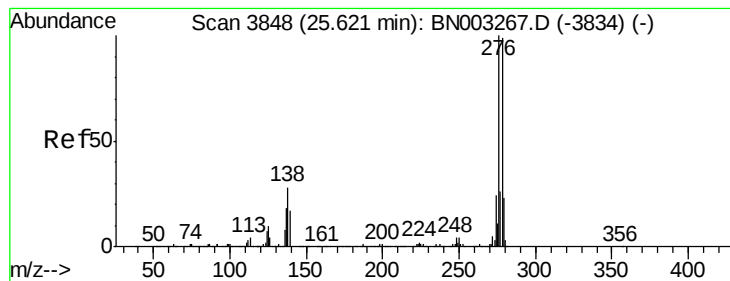
Tgt Ion: 252 Resp: 238085
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.0
125 10.4 8.7 13.1



#90
Benzo(a)pyrene
Concen: 5.550 ng
RT: 23.32 min Scan# 3457
Delta R.T. -0.00 min
Lab File: BN003282.D
Acq: 24 Oct 2018 21:28

Tgt Ion: 252 Resp: 232436
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 10.9 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 5.225 ng

RT: 25.62 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

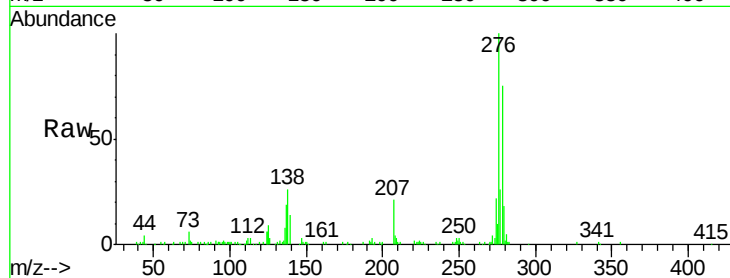
Tgt Ion:278 Resp: 216580

Ion Ratio Lower Upper

278 100

139 18.2 13.9 20.9

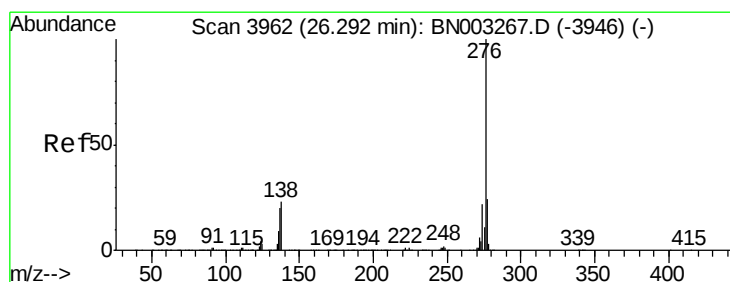
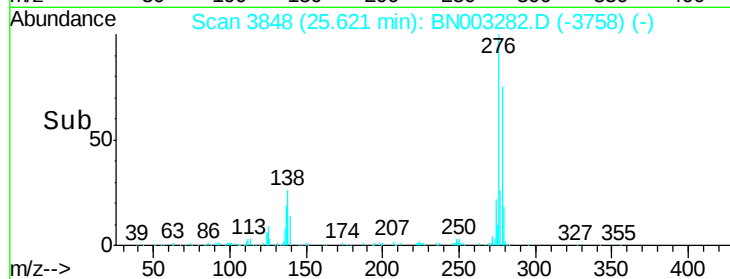
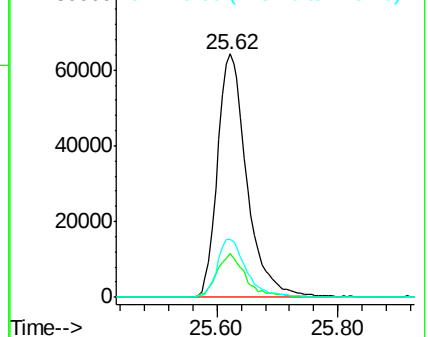
279 24.0 19.0 28.6



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: 5.301 ng

RT: 26.30 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BN003282.D

Acq: 24 Oct 2018 21:28

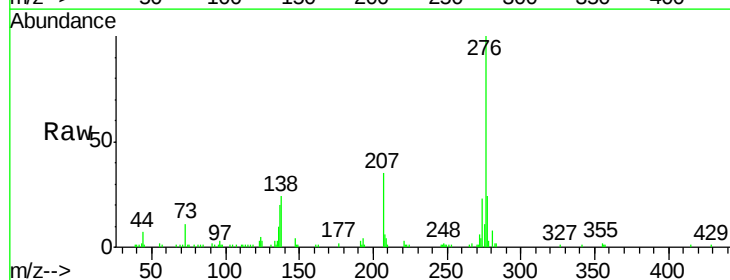
Tgt Ion:276 Resp: 210959

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 23.8 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

