

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002147.D
 Acq On : 25 Jul 2018 21:50
 Operator : JU/SJ
 Sample : J3762-02
 Misc : L00 20 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Jul 26 05:02:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 20:08:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	198088	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	797408	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	399878	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	784035	20.00	ng	0.00
75) Chrysene-d12	21.27	240	651977	20.00	ng	0.00
86) Perylene-d12	23.50	264	627636	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1607131	130.62	ng	0.00
7) Phenol-d6	6.88	99	2059199	119.26	ng	0.00
23) Nitrobenzene-d5	8.84	82	1281404	82.41	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	611947	117.85	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	2719706	88.59	ng	0.00
78) Terphenyl-d14	19.71	244	2800644	89.59	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	89153	19.301	ng	# 77
3) Pyridine	3.66	79	251342	18.785	ng	# 67
4) n-Nitrosodimethylamine	3.59	42	116042	20.218	ng	# 74
6) Aniline	7.03	93	368348	17.464	ng	99
8) 2-Chlorophenol	7.26	128	271776	19.046	ng	96
9) Benzaldehyde	6.85	77	231209	21.742	ng	95
10) Phenol	6.90	94	336047	18.987	ng	99
11) bis(2-Chloroethyl)ether	7.13	93	261891	18.180	ng	95
12) 1,3-Dichlorobenzene	7.58	146	307614	18.916	ng	99
13) 1,4-Dichlorobenzene	7.73	146	311448	18.721	ng	98
14) 1,2-Dichlorobenzene	8.04	146	300896	18.748	ng	95
15) Benzyl Alcohol	7.93	79	212049	16.275	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.22	45	425884	18.308	ng	93
17) 2-Methylphenol	8.13	107	219546	18.170	ng	94
18) Hexachloroethane	8.76	117	114957	18.880	ng	90
19) n-Nitroso-di-n-propylamine	8.49	70	202152	16.141	ng	# 98
20) 3+4-Methylphenols	8.46	107	294152	17.448	ng	96
22) Acetophenone	8.50	105	399998	19.347	ng	96
24) Nitrobenzene	8.88	77	307708	19.095	ng	96
25) Isophorone	9.40	82	529713	19.841	ng	96
26) 2-Nitrophenol	9.59	139	137670	17.685	ng	96
27) 2,4-Dimethylphenol	9.65	122	229129	21.164	ng	95
28) bis(2-Chloroethoxy)methane	9.89	93	328684	19.059	ng	97
29) 2,4-Dichlorophenol	10.12	162	236967	18.771	ng	94
30) 1,2,4-Trichlorobenzene	10.33	180	266477	18.638	ng	96
31) Naphthalene	10.52	128	814026	20.227	ng	98
32) Benzoic acid	9.76	122	113475	12.354	ng	91
33) 4-Chloroaniline	10.63	127	227770	12.720	ng	97
34) Hexachlorobutadiene	10.80	225	163128	18.632	ng	98
35) Caprolactam	11.38	113	63001	14.623	ng	# 69
36) 4-Chloro-3-methylphenol	11.76	107	242725	16.909	ng	96
37) 2-Methylnaphthalene	12.13	142	569368	20.060	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	279716	20.803	ng	99
40) Hexachlorocyclopentadiene	12.48	237	182945	24.091	ng	91

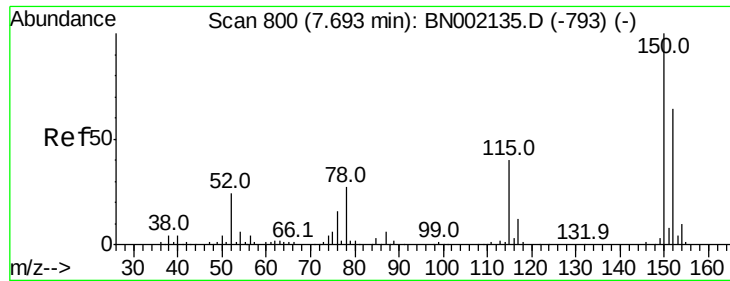
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	172460	19.117	nq	95
43) 2,4,5-Trichlorophenol	12.82	196	184228	19.278	nq	97
45) 1,1'-Biphenyl	13.15	154	698674	19.856	nq	99
46) 2-Chloronaphthalene	13.19	162	545987	20.102	nq	98
47) 2-Nitroaniline	13.40	65	156840	17.946	nq	95
48) Acenaphthylene	14.05	152	859698	20.858	nq	98
49) Dimethylphthalate	13.79	163	617020	18.576	nq	98
50) 2,6-Dinitrotoluene	13.90	165	134014	18.160	nq	94
51) Acenaphthene	14.39	154	496185	19.986	nq	99
52) 3-Nitroaniline	14.23	138	98814	12.358	nq	# 87
53) 2,4-Dinitrophenol	14.45	184	60047	15.367	nq	95
54) Dibenzofuran	14.72	168	776721	19.296	nq	95
55) 4-Nitrophenol	14.55	139	100876	16.433	nq	88
56) 2,4-Dinitrotoluene	14.69	165	177580	17.731	nq	90
57) Fluorene	15.37	166	602469	19.858	nq	97
58) 2,3,4,6-Tetrachlorophenol	14.95	232	149637	18.207	nq	93
59) Diethylphthalate	15.16	149	594282	17.578	nq	97
60) 4-Chlorophenyl-phenylether	15.37	204	306127	18.235	nq	98
61) 4-Nitroaniline	15.40	138	132085	16.205	nq	92
62) Azobenzene	15.66	77	602802	18.582	nq	98
64) 4,6-Dinitro-2-methylphenol	15.46	198	84874	16.034	nq	99
65) n-Nitrosodiphenylamine	15.59	169	507639	19.512	nq	98
66) 4-Bromophenyl-phenylether	16.27	248	174573	19.020	nq	93
67) Hexachlorobenzene	16.38	284	193192	19.030	nq	98
68) Atrazine	16.54	200	159910	18.256	nq	98
69) Pentachlorophenol	16.73	266	83840	12.830	nq	95
70) Phenanthrene	17.11	178	873547	20.412	nq	100
71) Anthracene	17.20	178	877377	20.713	nq	98
72) Carbazole	17.47	167	758018	17.835	nq	98
73) Di-n-butylphthalate	18.05	149	876264	17.674	nq	99
74) Fluoranthene	19.13	202	895604	19.275	nq	98
76) Benzidine	19.32	184	252718	11.885	nq	95
77) Pyrene	19.50	202	913753	20.323	nq	99
79) Butylbenzylphthalate	20.41	149	348861	17.825	nq	91
80) Benzo(a)anthracene	21.25	228	815784	20.529	nq	97
81) 3,3'-Dichlorobenzidine	21.19	252	202832	13.102	nq	100
82) Chrysene	21.30	228	767622	20.288	nq	99
83) Bis(2-ethylhexyl)phthalate	21.19	149	504298	18.477	nq	# 95
84) Di-n-octyl phthalate	22.07	149	811878	18.761	nq	97
85) Indeno(1,2,3-cd)pyrene	25.72	276	886293	24.027	nq	# 95
87) Benzo(b)fluoranthene	22.83	252	776747	20.970	nq	98
88) Benzo(k)fluoranthene	22.87	252	727996	19.956	nq	98
89) Benzo(a)pyrene	23.40	252	730103	21.105	nq	# 97
90) Dibenzo(a,h)anthracene	25.73	278	740643	22.804	nq	# 97
91) Benzo(g,h,i)perylene	26.40	276	745992	23.767	nq	# 94

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

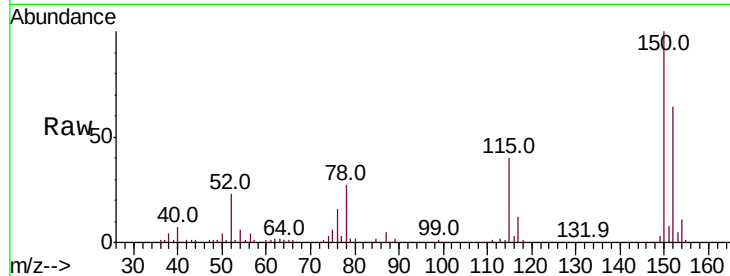


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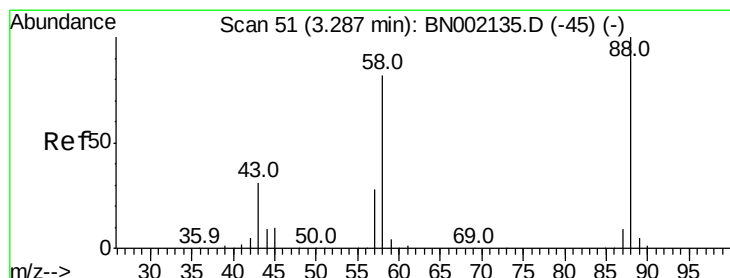
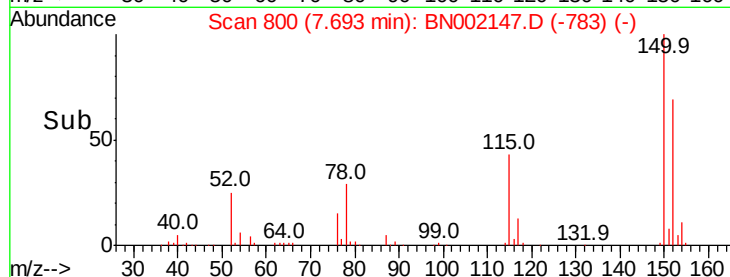
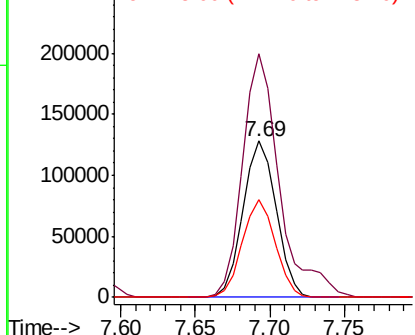
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.69 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:152 Resp: 198088
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.6 189.8
 115 62.3 53.0 79.4



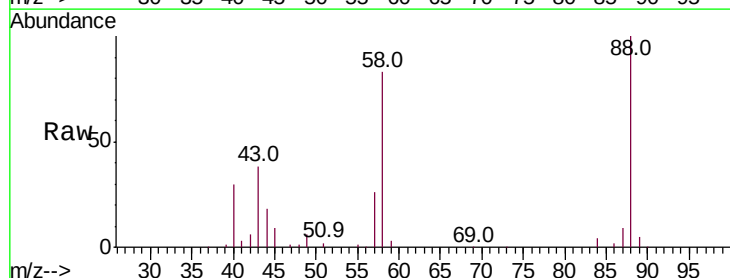
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



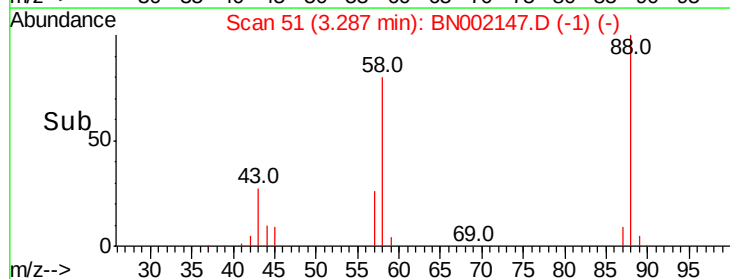
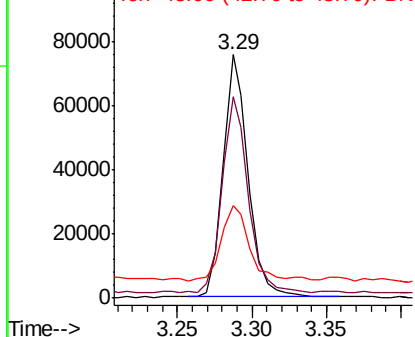
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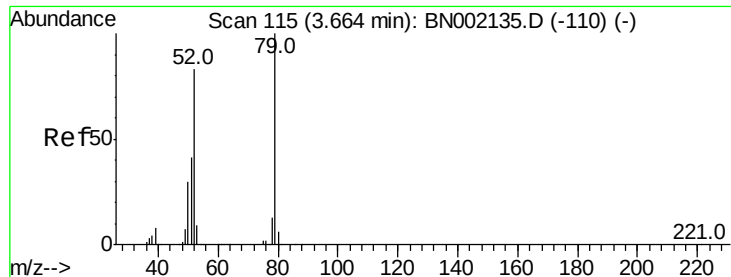
1,4-Dioxane
 Concen: 19.301 ng
 RT: 3.29 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion: 88 Resp: 89153
 Ion Ratio Lower Upper
 88 100
 58 84.1 52.0 78.0#
 43 34.3 20.0 30.0#



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

Pvridine

Concen: 18.785 ng

RT: 3.66 min Scan# 115

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

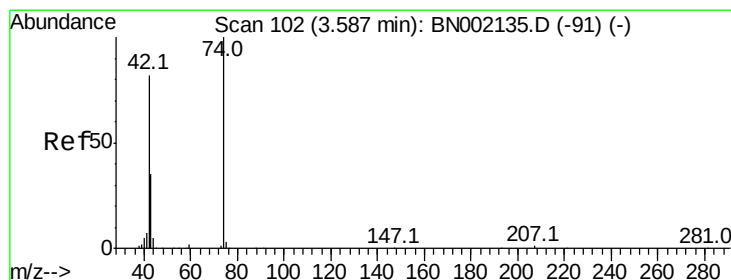
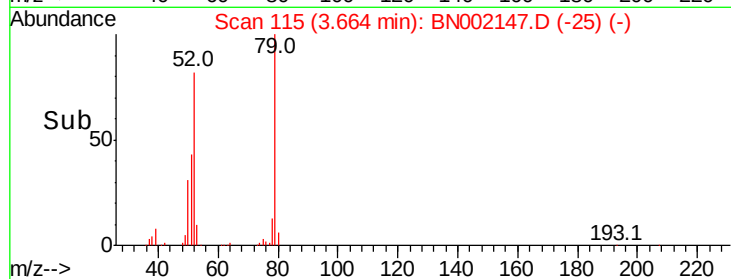
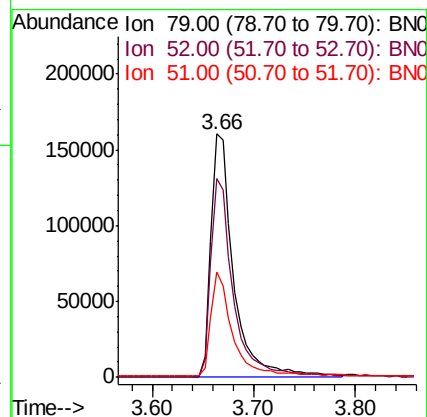
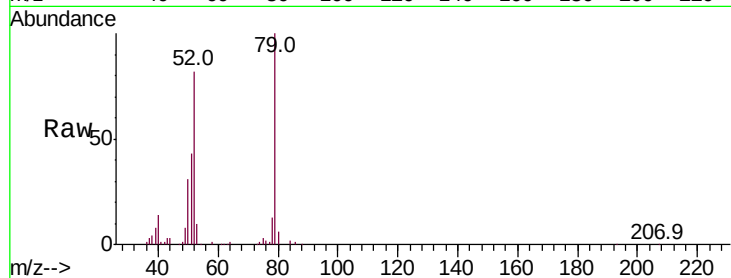
Tot Ion: 79 Resp: 251342

Ion Ratio Lower Upper

79 100

52 81.9 44.0 66.0#

51 43.5 24.0 36.0#



#4

n-Nitrosodimethylamine

Concen: 20.218 ng

RT: 3.59 min Scan# 102

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

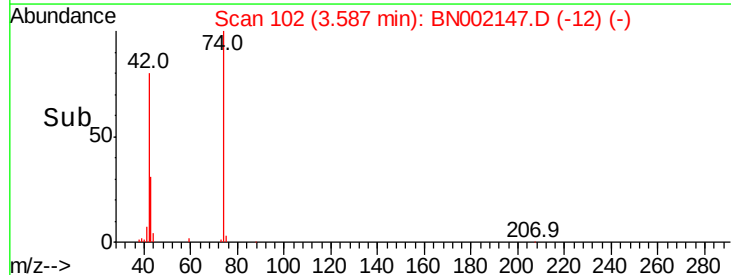
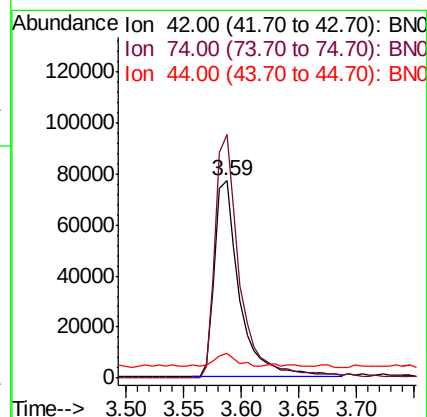
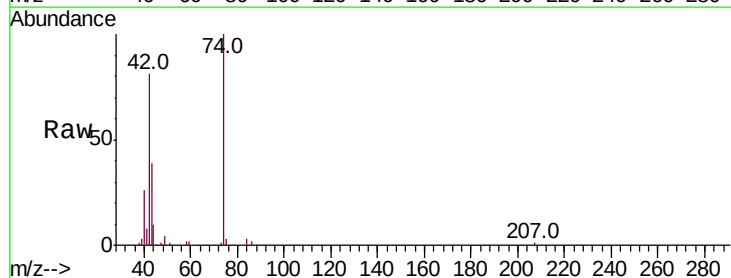
Tgt Ion: 42 Resp: 116042

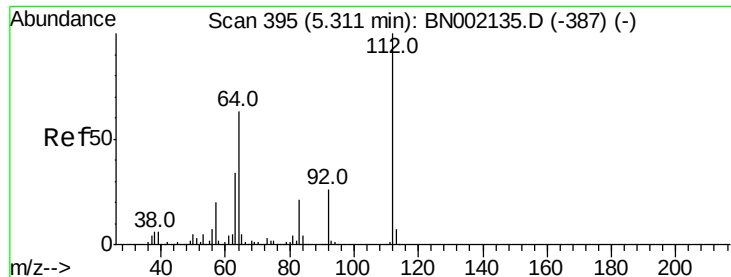
Ion Ratio Lower Upper

42 100

74 123.5 128.0 192.0#

44 12.6 12.0 18.0





#5

2-Fluorophenol

Concen: 130.617 ng

RT: 5.31 min Scan# 395

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

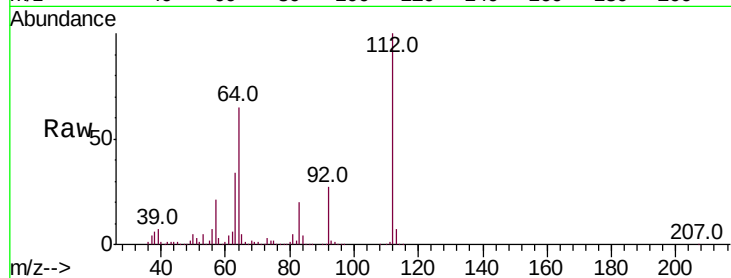
Tot Ion:112 Resp: 1607131

Ion Ratio Lower Upper

112 100

64 65.2 56.3 84.5

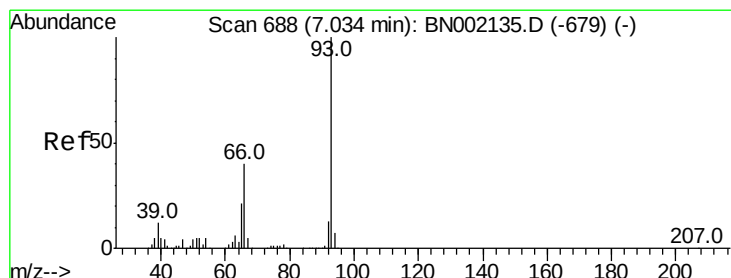
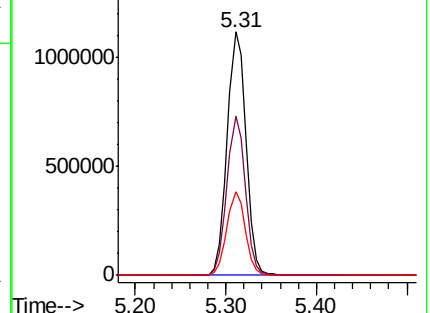
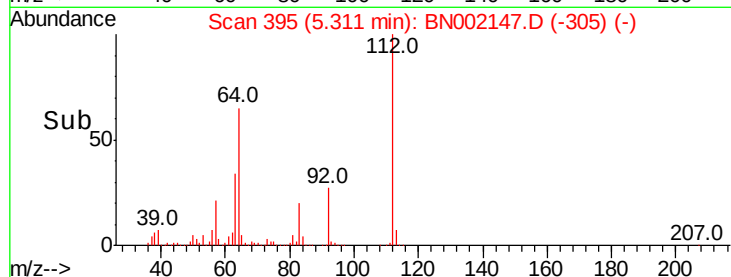
63 34.3 30.1 45.1



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: 17.464 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

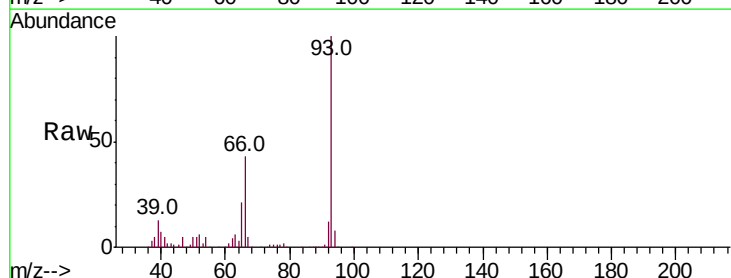
Tgt Ion: 93 Resp: 368348

Ion Ratio Lower Upper

93 100

66 42.5 33.7 50.5

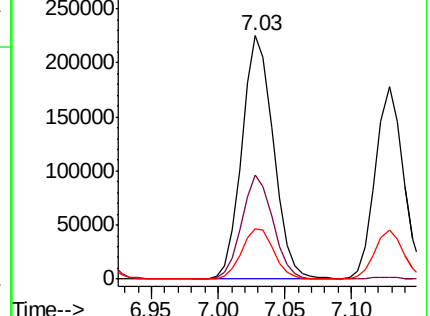
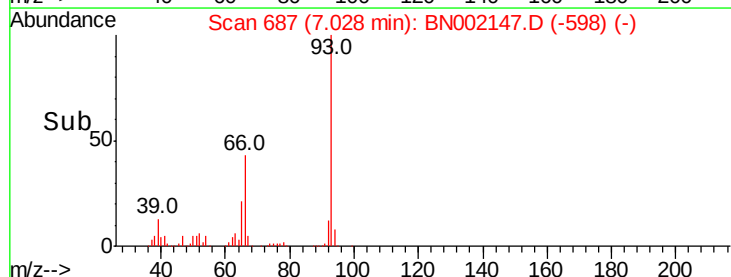
65 20.9 16.1 24.1

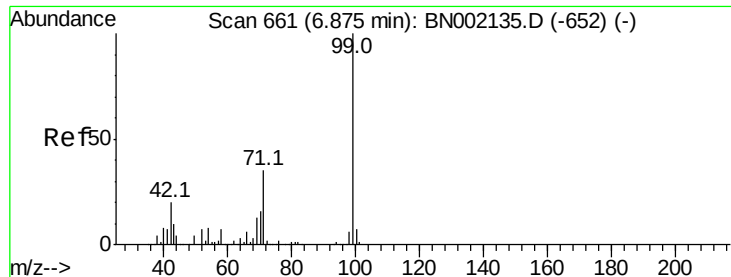


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 119.259 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

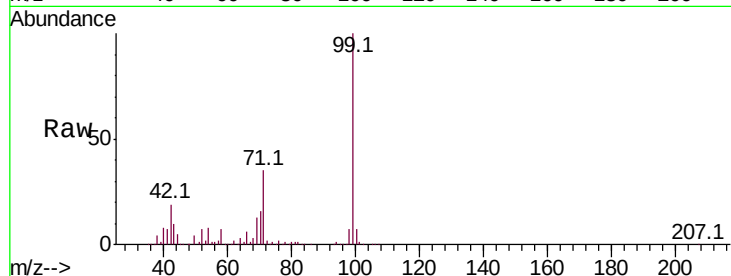
BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion: 99 Resp: 2059199

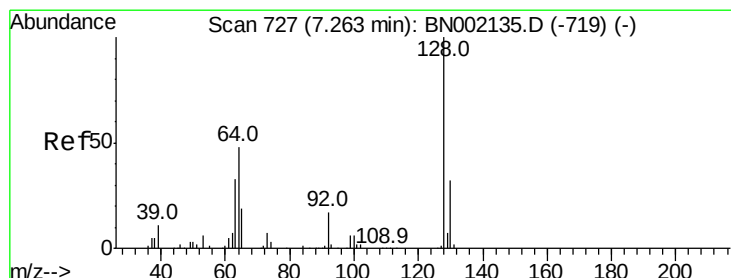
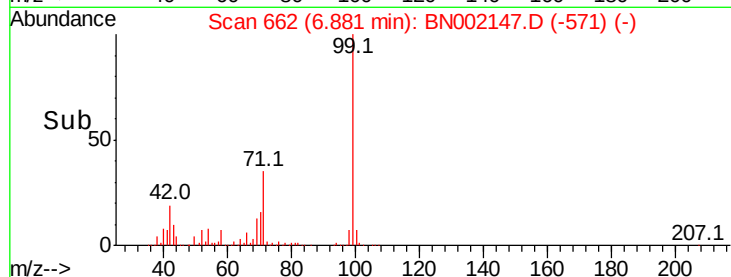
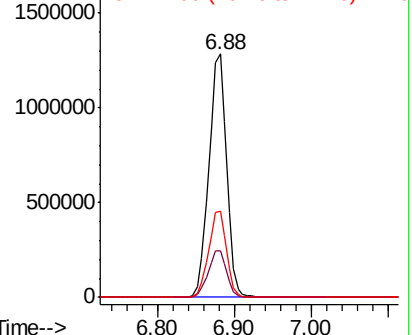
Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.1	21.1
71	35.2	26.1	39.1



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: 19.046 ng

RT: 7.26 min Scan# 727

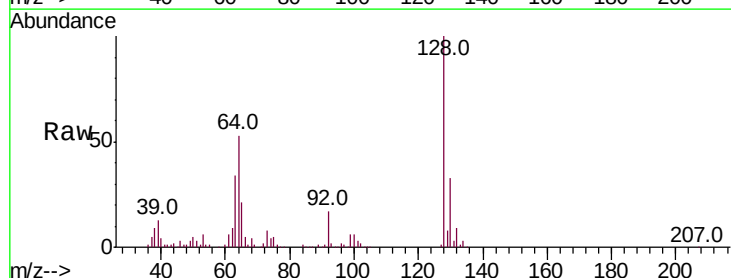
Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Tgt Ion: 128 Resp: 271776

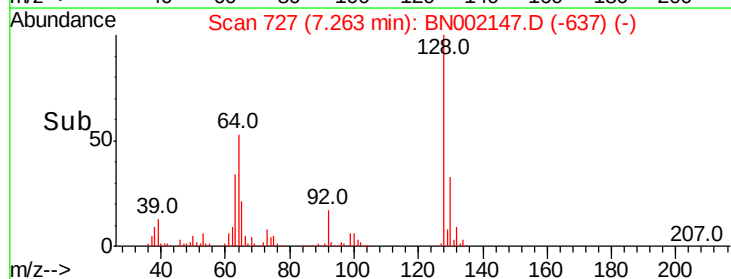
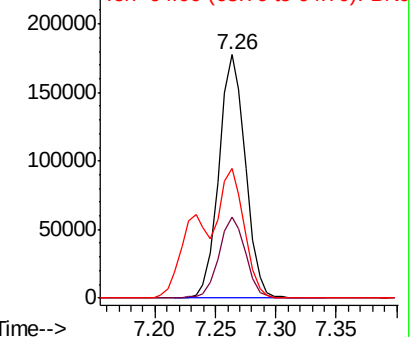
Ion	Ratio	Lower	Upper
128	100		
130	33.3	14.0	54.0
64	53.3	37.7	77.7

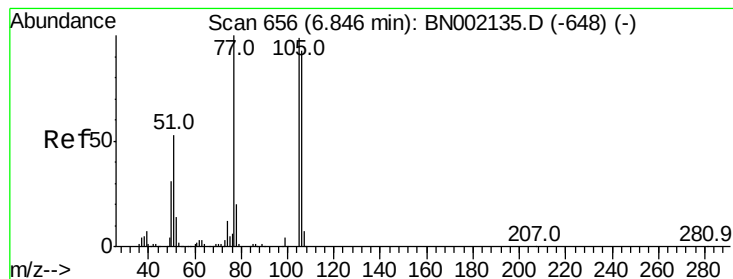


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BNC





#9

Benzaldehyde

Concen: 21.742 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

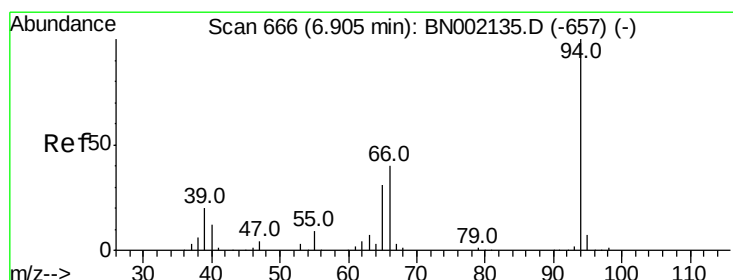
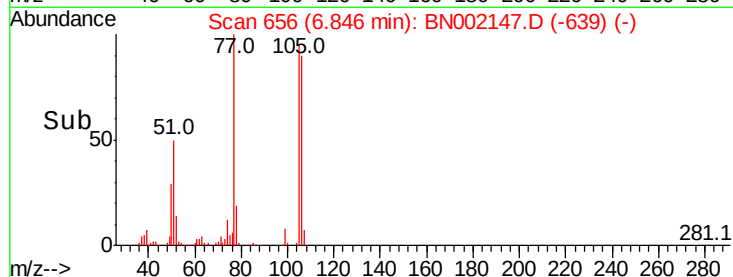
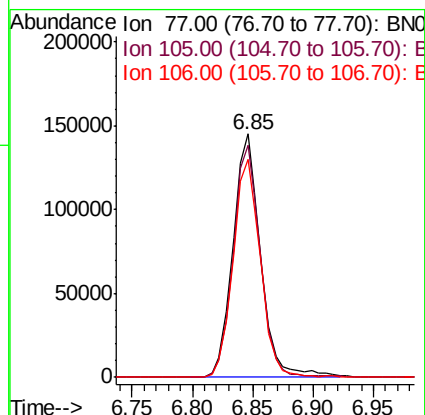
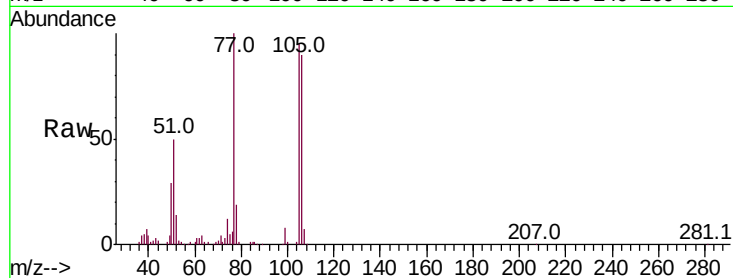
Tot Ion: 77 Resp: 231209

Ion Ratio Lower Upper

77 100

105 95.2 71.3 111.3

106 89.8 64.2 104.2



#10

Phenol

Concen: 18.987 ng

RT: 6.90 min Scan# 666

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

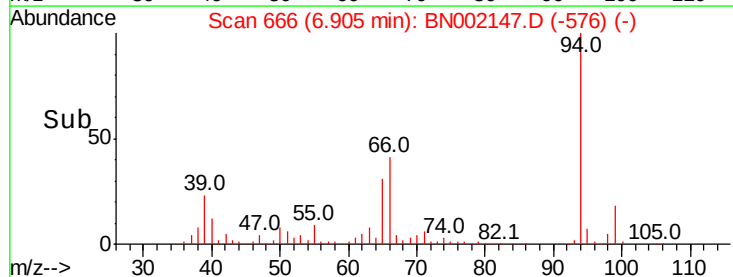
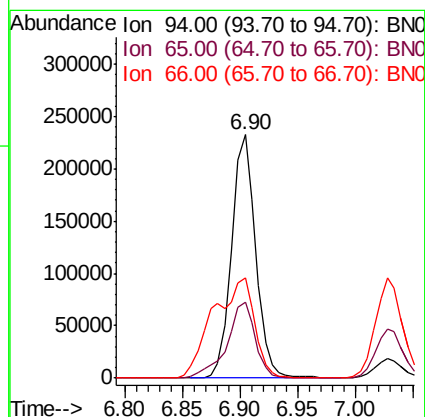
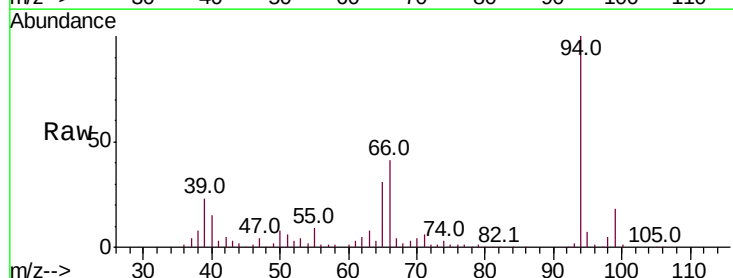
Tgt Ion: 94 Resp: 336047

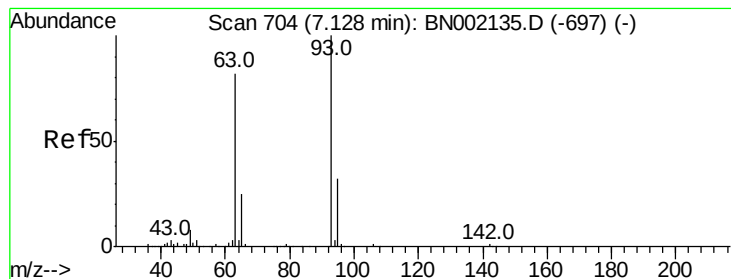
Ion Ratio Lower Upper

94 100

65 31.4 11.9 51.9

66 41.2 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 18.180 ng

RT: 7.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

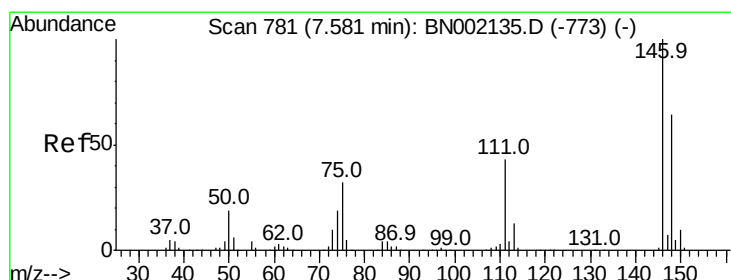
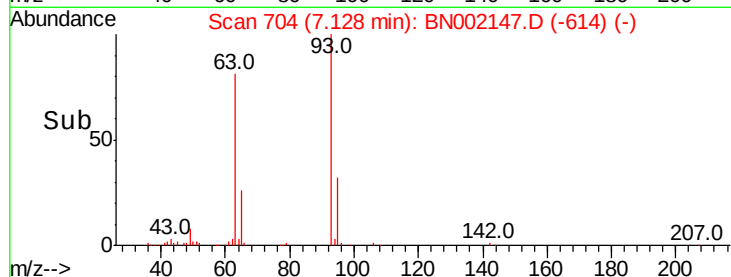
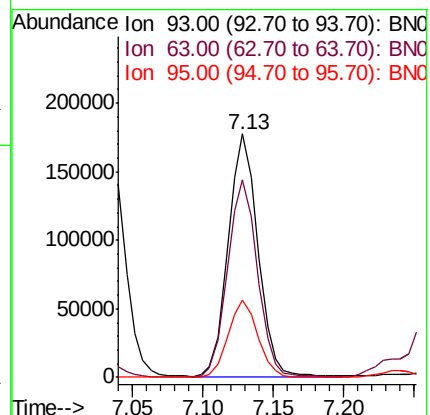
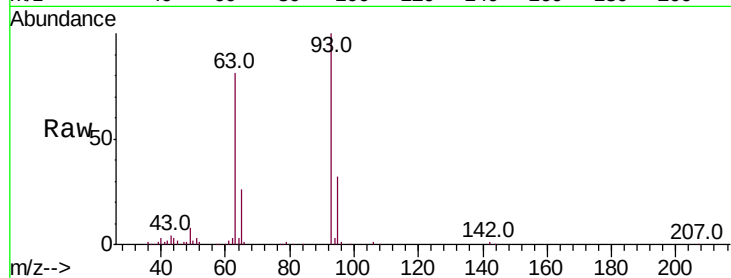
Tot Ion: 93 Resp: 261891

Ion Ratio Lower Upper

93 100

63 80.9 67.1 107.1

95 31.6 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 18.916 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

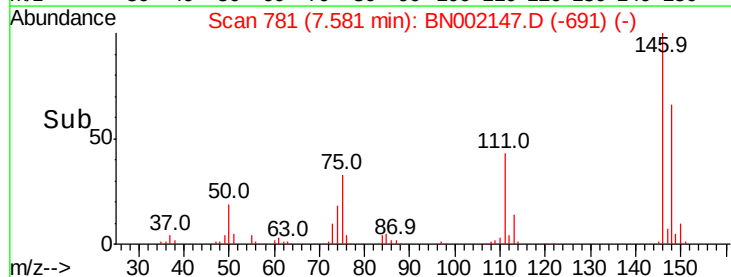
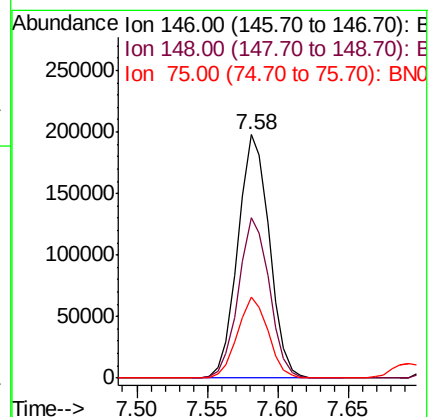
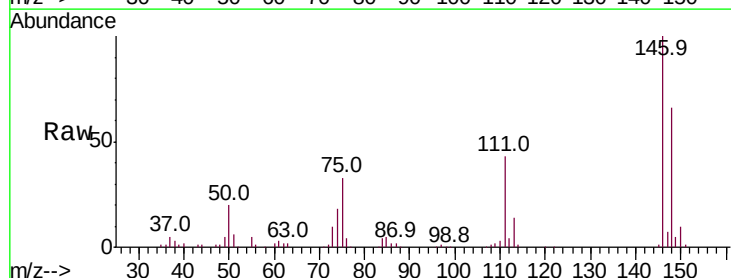
Tgt Ion: 146 Resp: 307614

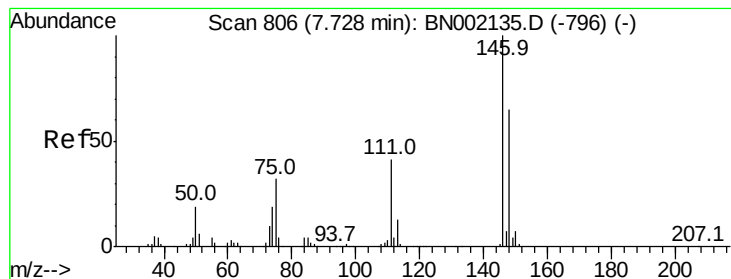
Ion Ratio Lower Upper

146 100

148 65.9 51.4 77.2

75 33.3 26.6 39.8





#13

1,4-Dichlorobenzene

Concen: 18.721 ng

RT: 7.73 min Scan# 806

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

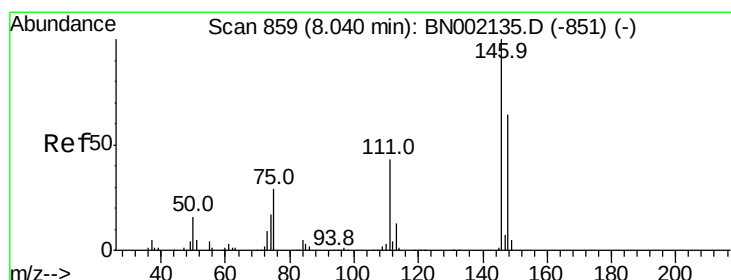
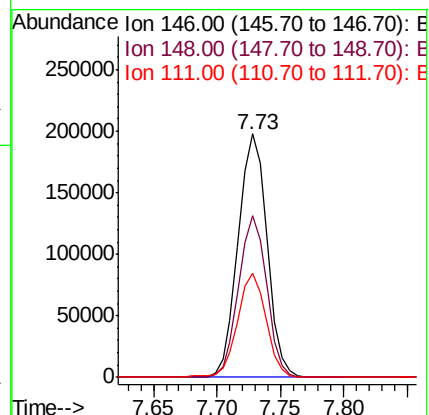
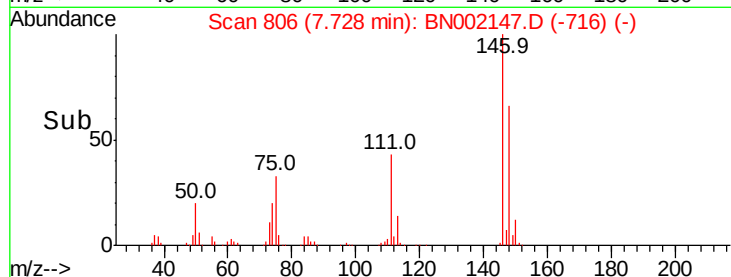
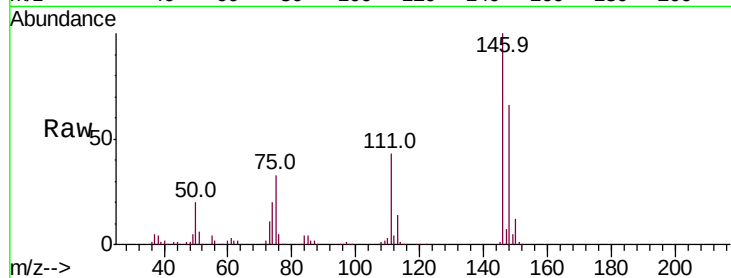
Tot Ion:146 Resp: 311448

Ion Ratio Lower Upper

146 100

148 66.3 53.7 80.5

111 42.5 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 18.748 ng

RT: 8.04 min Scan# 859

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

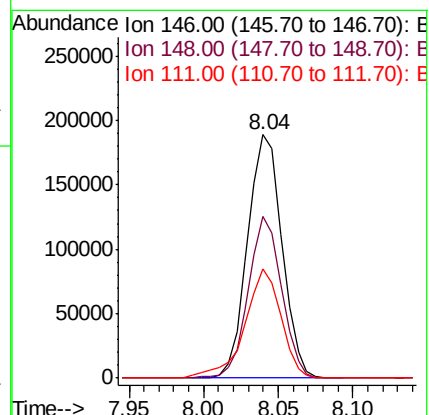
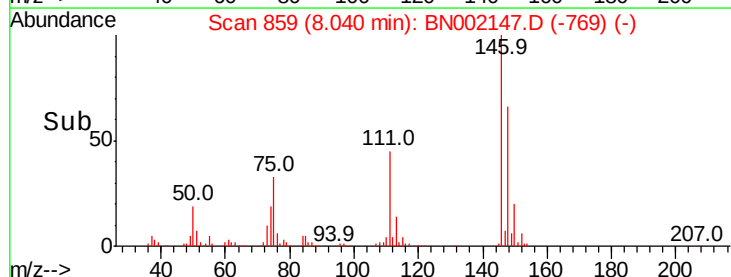
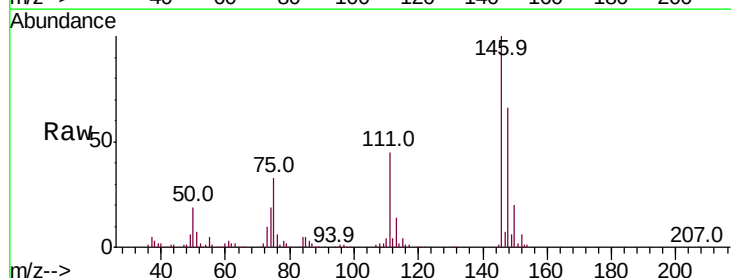
Tgt Ion:146 Resp: 300896

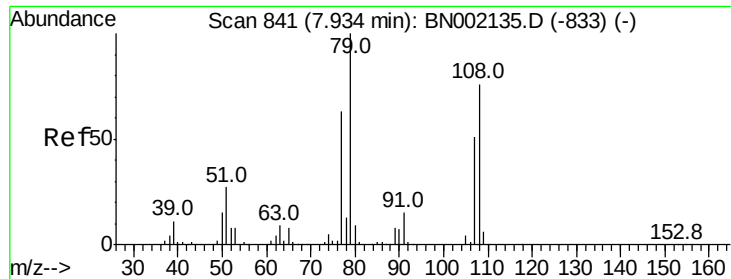
Ion Ratio Lower Upper

146 100

148 66.4 49.3 73.9

111 44.8 34.3 51.5

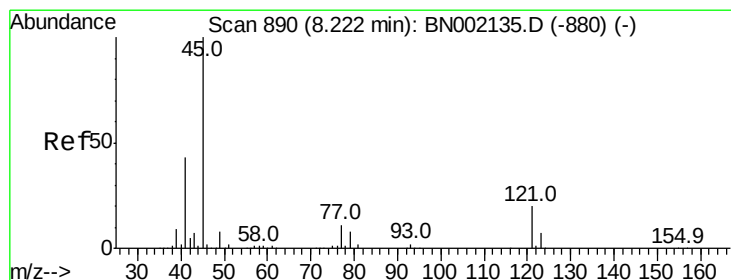
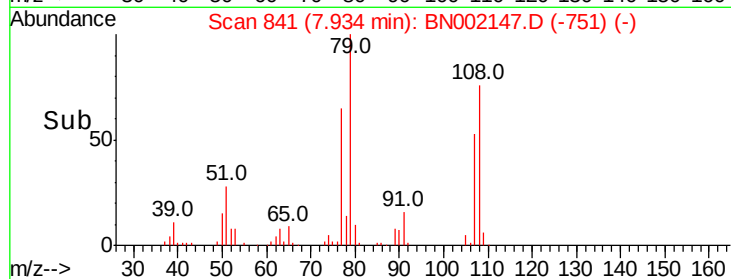
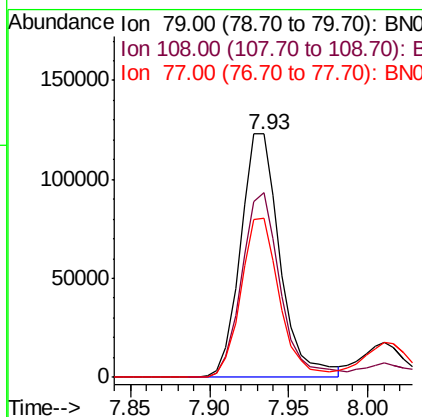
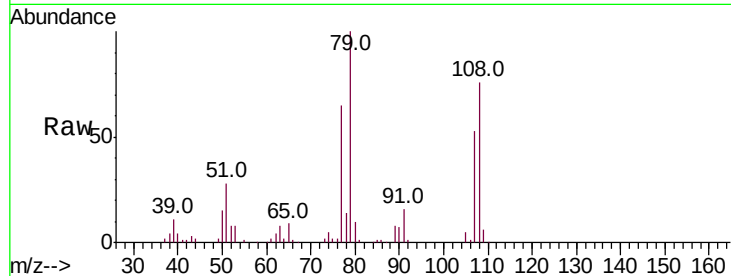




#15
Benzyl Alcohol
Concen: 16.275 ng
RT: 7.93 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

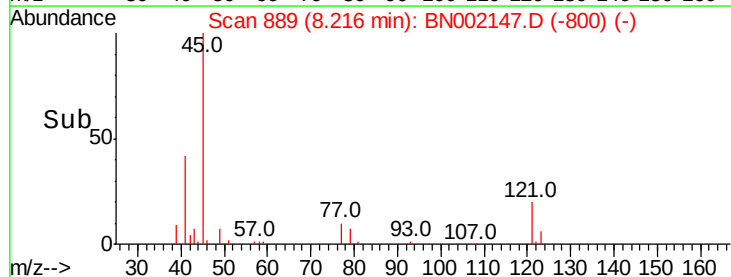
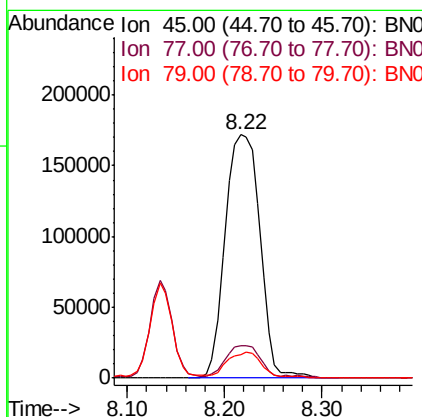
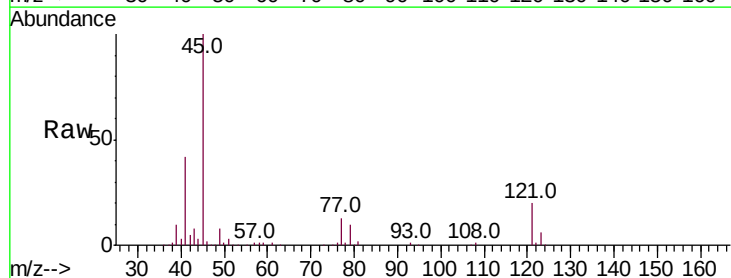
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

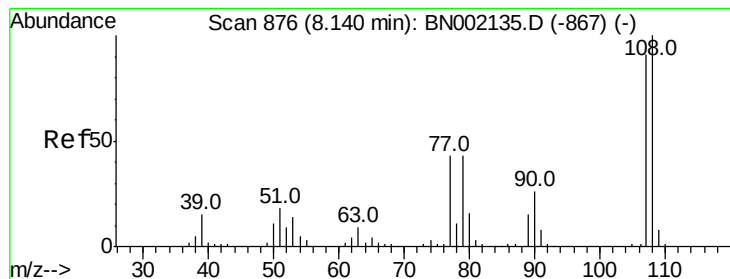
Tot Ion: 79 Resp: 212049
Ion Ratio Lower Upper
79 100
108 76.0 57.2 85.8
77 65.4 46.1 69.1



#16
2,2'-oxybis(1-chloropropane)
Concen: 18.308 ng
RT: 8.22 min Scan# 889
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 45 Resp: 425884
Ion Ratio Lower Upper
45 100
77 13.1 0.0 30.2
79 9.7 0.0 27.9





#17

2-Methylphenol

Concen: 18.170 ng

RT: 8.13 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:107 Resp: 219546

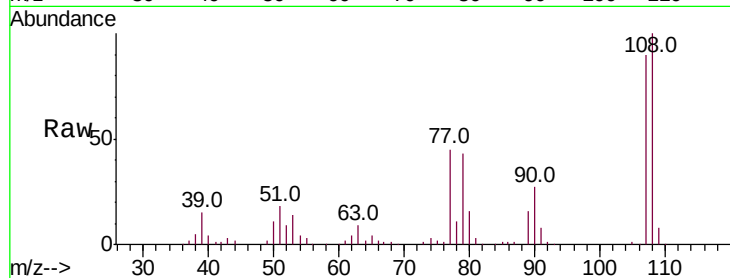
Ion Ratio Lower Upper

107 100

108 111.5 83.9 125.9

77 49.8 37.2 55.8

79 48.3 36.2 54.2

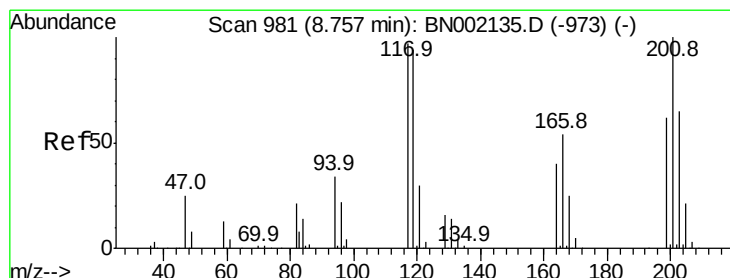
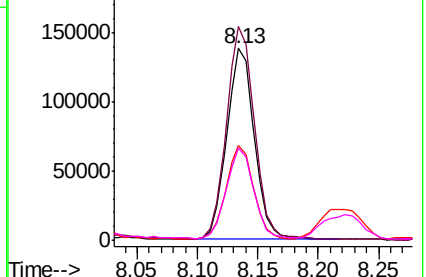
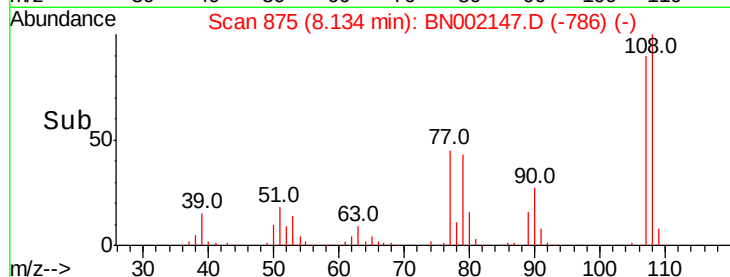


Abundance Ion 107.00 (106.70 to 107.70): E

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: 18.880 ng

RT: 8.76 min Scan# 981

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

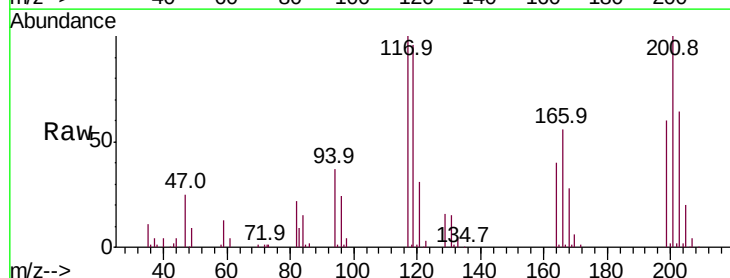
Tgt Ion:117 Resp: 114957

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1

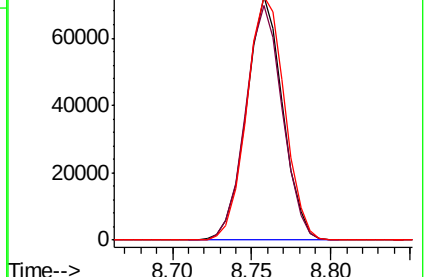
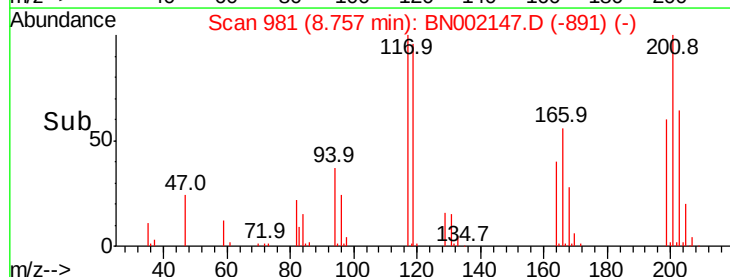
201 100.0 95.7 143.5

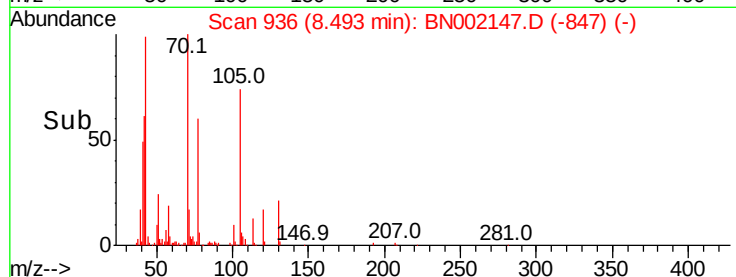
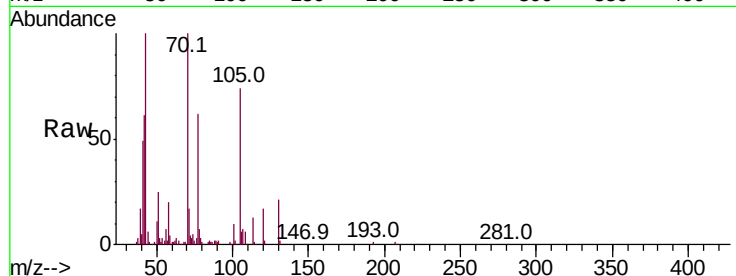
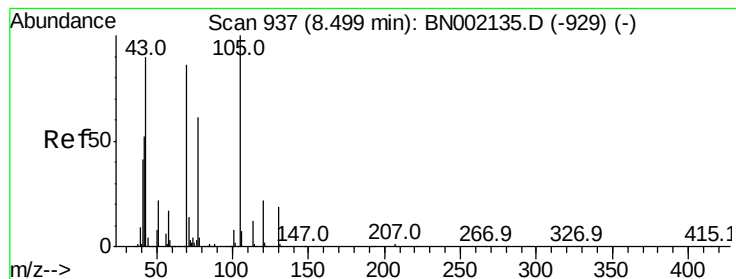


Abundance Ion 117.00 (116.70 to 117.70): E

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: 16.141 ng

RT: 8.49 min Scan# 936

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

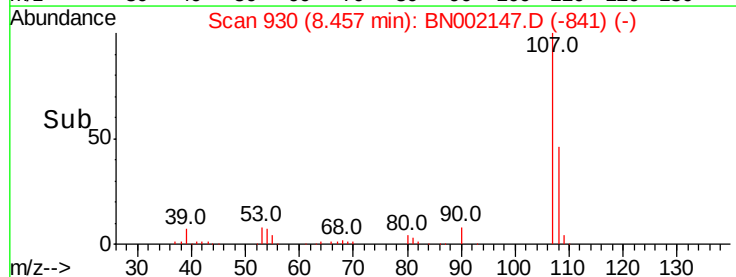
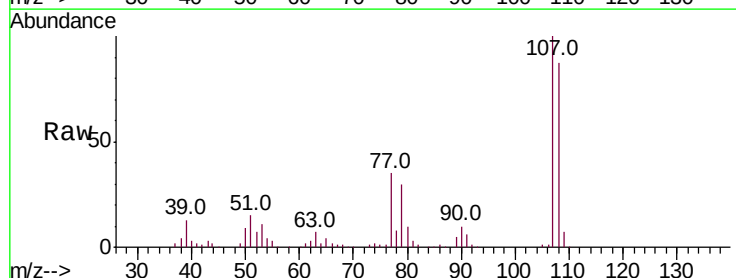
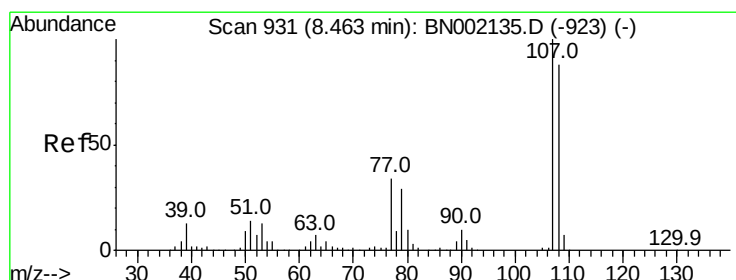
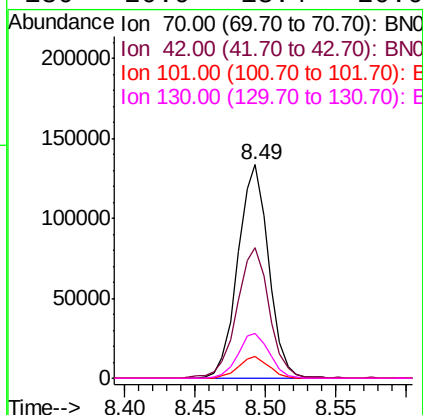
ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion: 70 Resp: 202152

Ion Ratio Lower Upper

70	100		
42	61.1	49.1	73.7
101	9.9	8.5	12.7
130	20.9	13.4	20.0



#20

3+4-Methylphenols

Concen: 17.448 ng

RT: 8.46 min Scan# 930

Delta R.T. -0.01 min

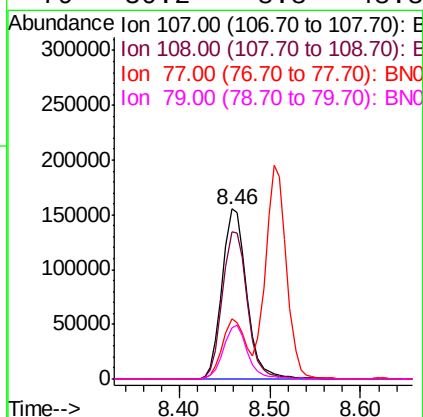
Lab File: BN002147.D

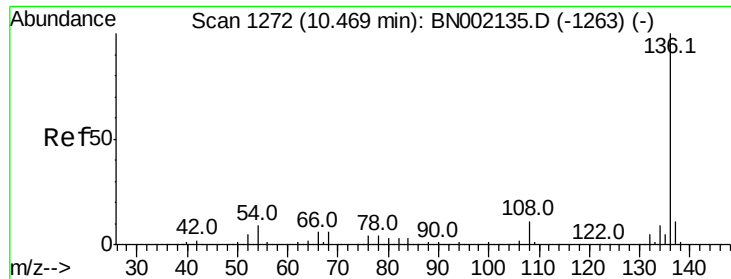
Acq: 25 Jul 2018 21:50

Tgt Ion: 107 Resp: 294152

Ion Ratio Lower Upper

107	100		
108	86.7	61.6	101.6
77	35.3	13.9	53.9
79	30.2	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

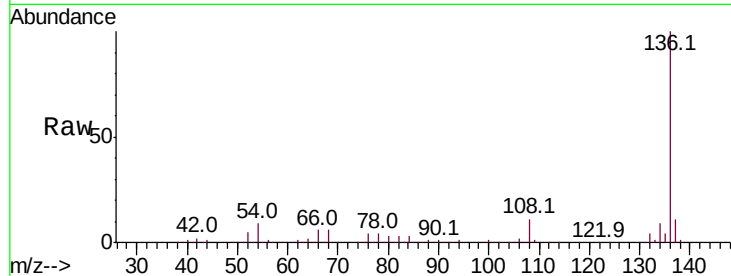
ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:136 Resp: 797408

Ion Ratio Lower Upper

136	100		
137	11.1	9.2	13.8
54	9.0	10.3	15.5
68	5.8	4.5	6.7

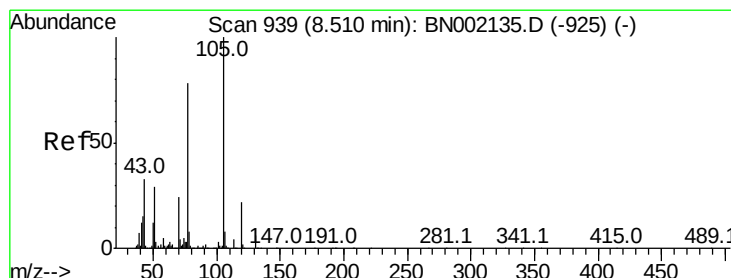
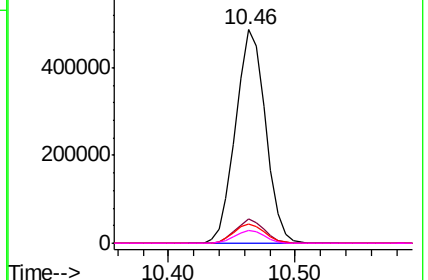
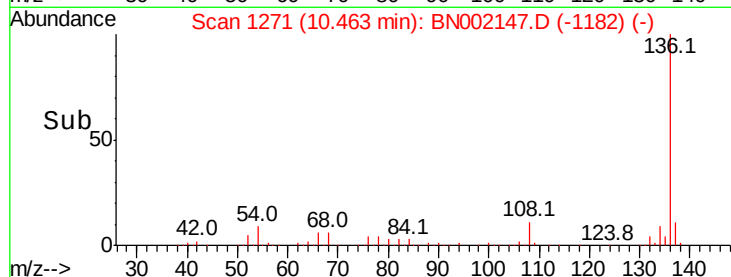


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.347 ng

RT: 8.50 min Scan# 938

Delta R.T. -0.01 min

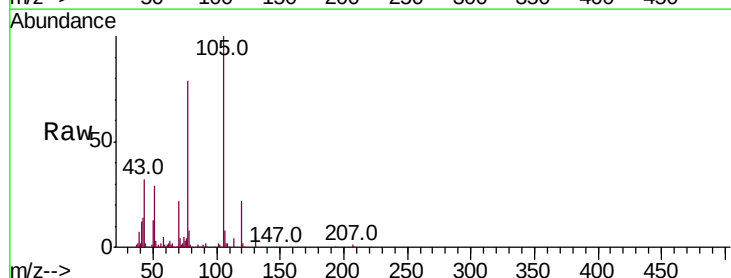
Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Tgt Ion:105 Resp: 399998

Ion Ratio Lower Upper

105	100		
71	3.8	3.0	4.4
51	28.9	26.1	39.1
120	21.9	17.4	26.2

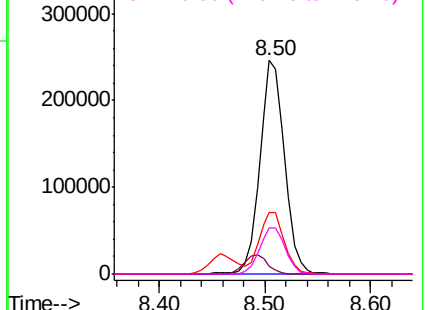
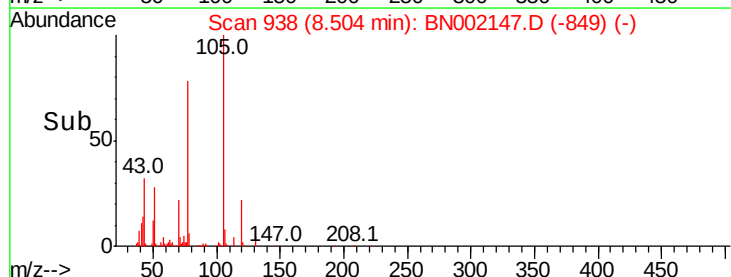


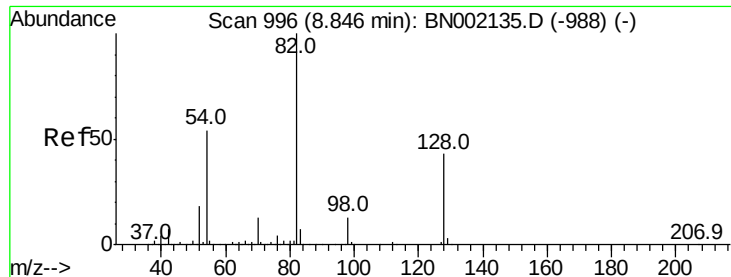
Abundance Ion 105.00 (104.70 to 105.70): E

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



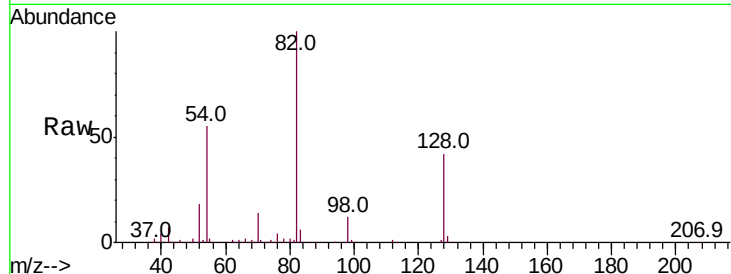


#23
 Nitrobenzene-d5
 Concen: 82.410 ng
 RT: 8.84 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

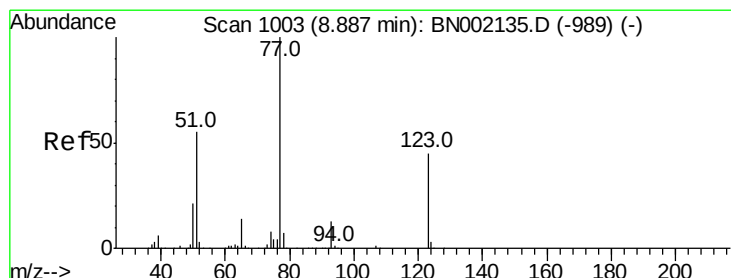
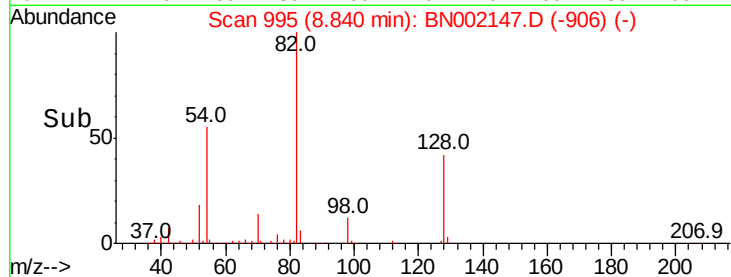
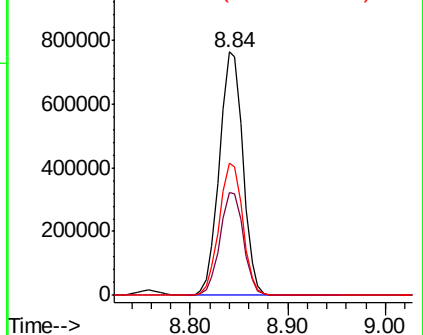
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion: 82 Resp: 1281404

Ion	Ratio	Lower	Upper
82	100		
128	42.0	29.7	44.5
54	54.6	43.1	64.7



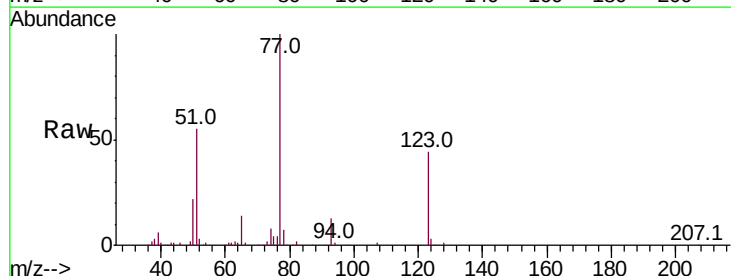
Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0



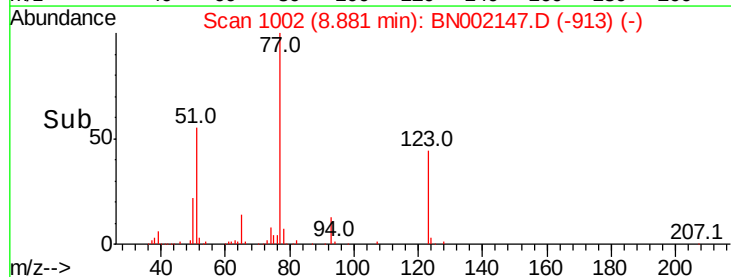
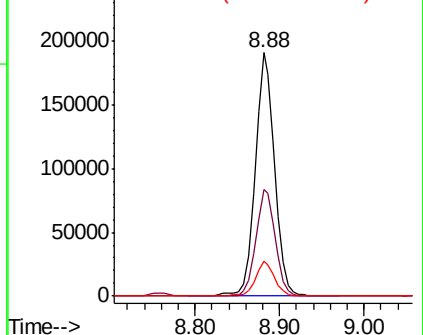
#24
 Nitrobenzene
 Concen: 19.095 ng
 RT: 8.88 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

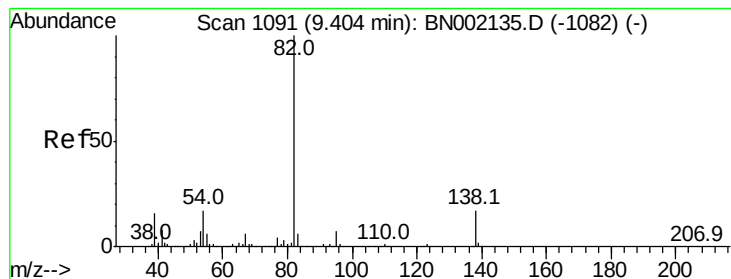
Tgt Ion: 77 Resp: 307708

Ion	Ratio	Lower	Upper
77	100		
123	43.9	33.0	49.6
65	14.2	13.0	19.6



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





#25

Isophorone

Concen: 19.841 ng

RT: 9.40 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

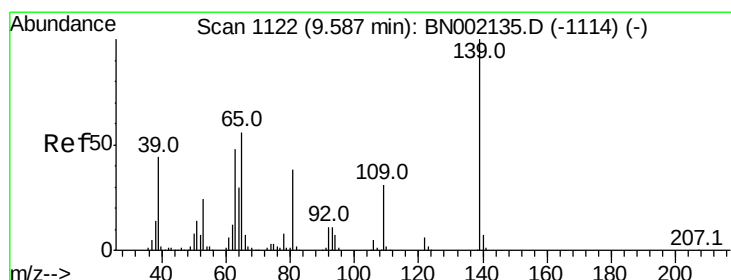
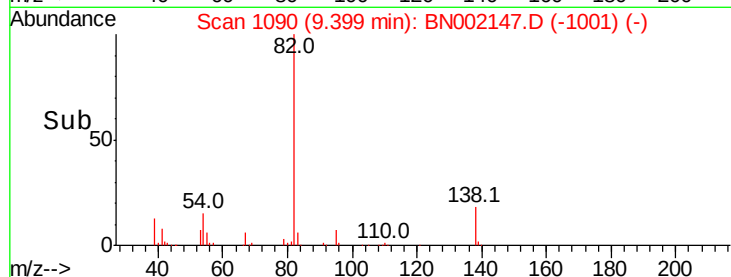
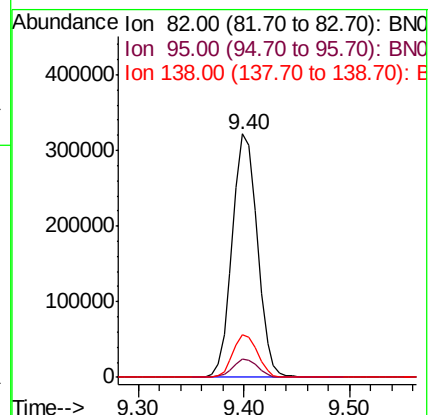
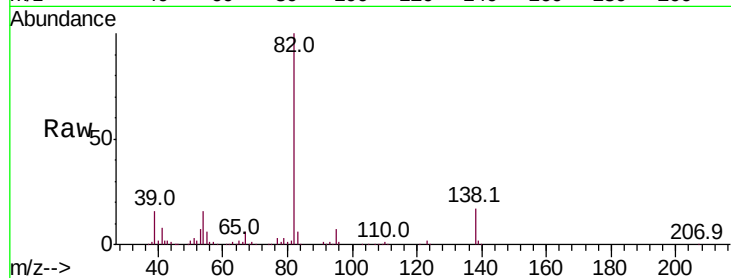
Tot Ion: 82 Resp: 529713

Ion Ratio Lower Upper

82 100

95 7.3 6.2 9.2

138 17.4 12.1 18.1



#26

2-Nitrophenol

Concen: 17.685 ng

RT: 9.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

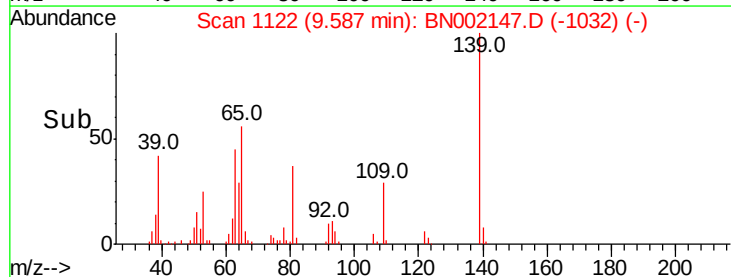
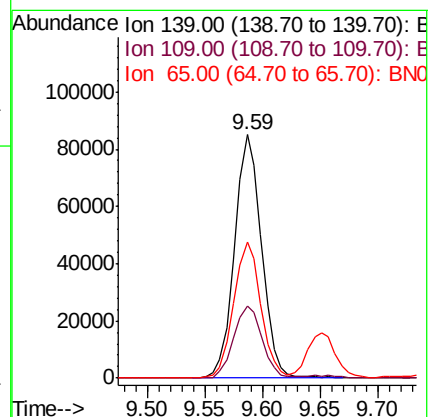
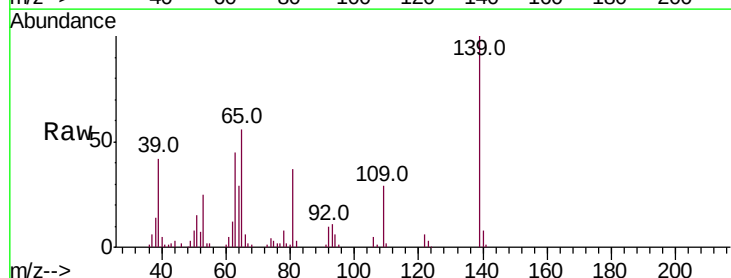
Tgt Ion: 139 Resp: 137670

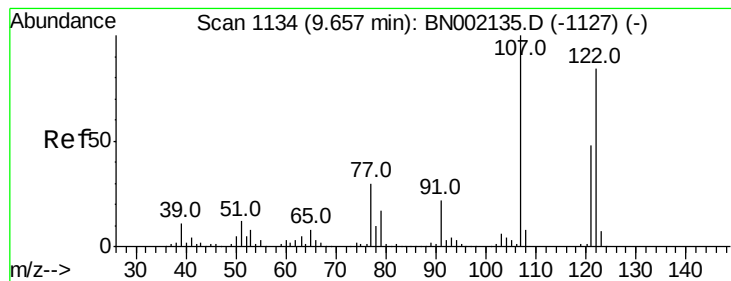
Ion Ratio Lower Upper

139 100

109 29.5 24.2 36.2

65 55.7 47.4 71.0





#27

2,4-Dimethylphenol

Concen: 21.164 ng

RT: 9.65 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

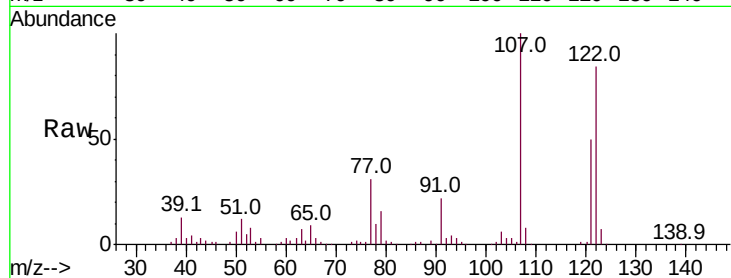
Tot Ion:122 Resp: 229129

Ion Ratio Lower Upper

122 100

107 119.1 100.2 150.2

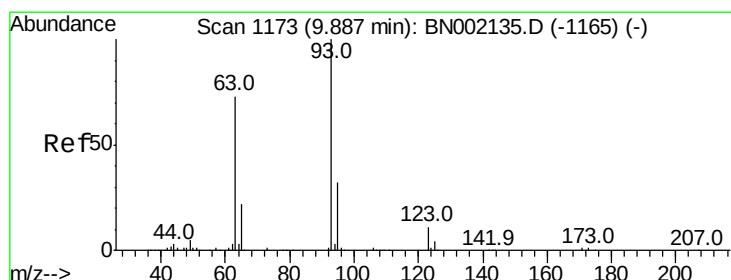
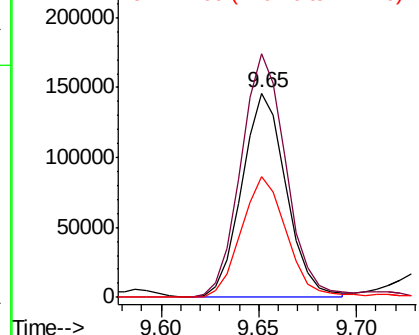
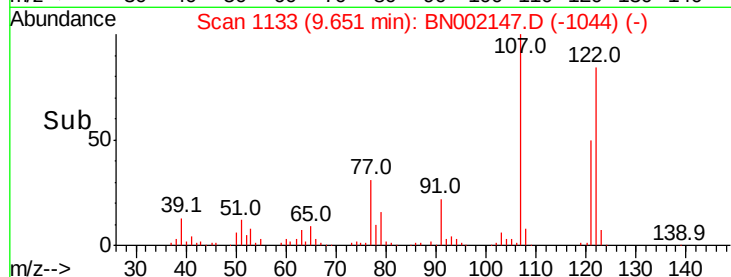
121 59.0 44.4 66.6



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: 19.059 ng

RT: 9.89 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

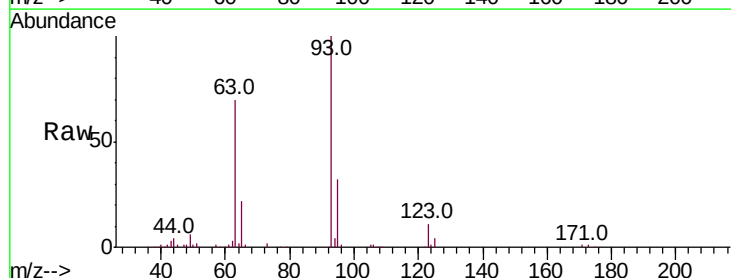
Tgt Ion: 93 Resp: 328684

Ion Ratio Lower Upper

93 100

95 32.4 24.3 36.5

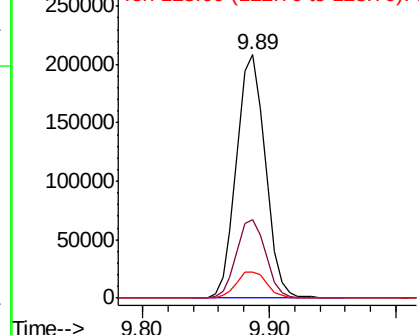
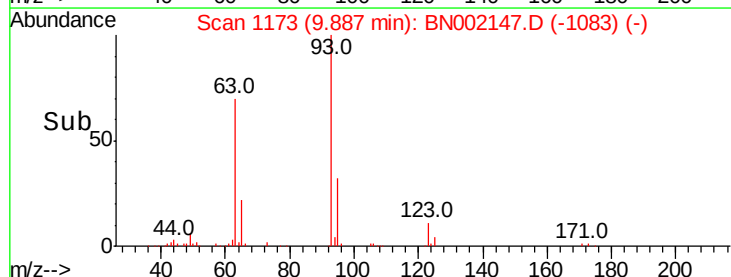
123 10.7 8.4 12.6

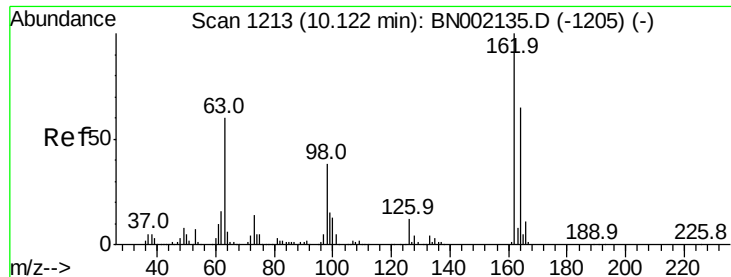


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 18.771 ng

RT: 10.12 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

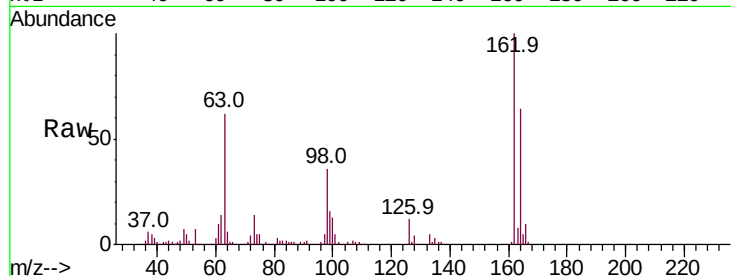
Tot Ion:162 Resp: 236967

Ion Ratio Lower Upper

162 100

164 63.9 48.0 88.0

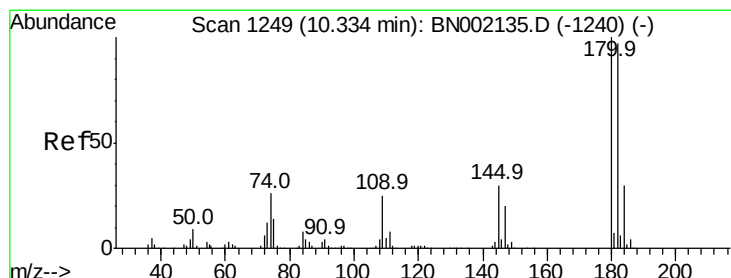
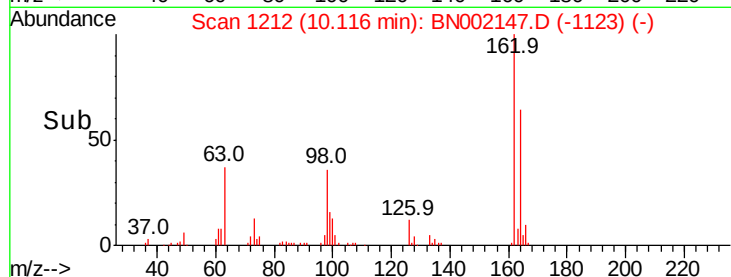
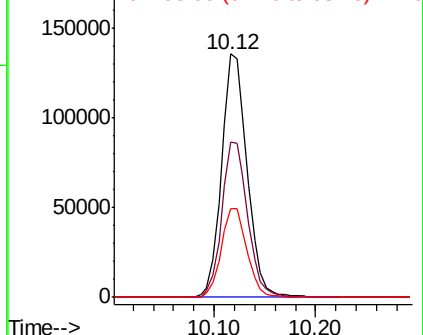
98 36.2 21.1 61.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#30

1,2,4-Trichlorobenzene

Concen: 18.638 ng

RT: 10.33 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

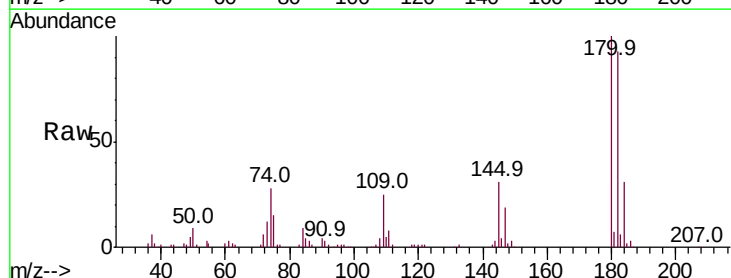
Tgt Ion:180 Resp: 266477

Ion Ratio Lower Upper

180 100

182 92.7 77.5 116.3

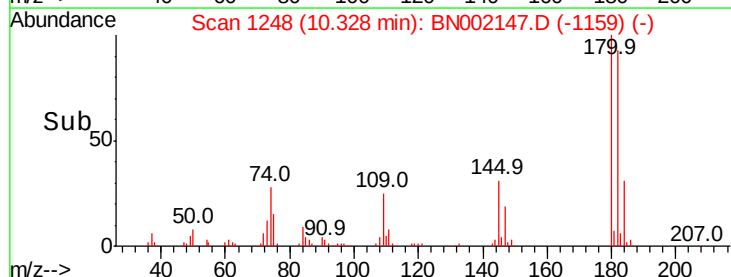
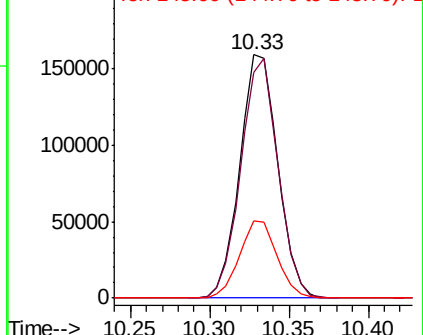
145 31.5 23.4 35.2

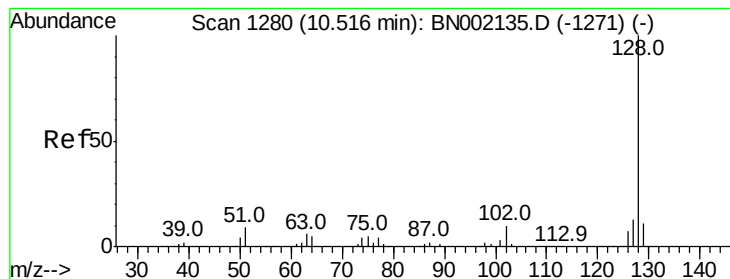


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 20.227 ng

RT: 10.52 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument:

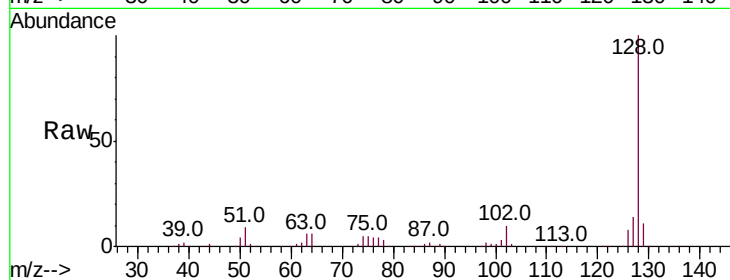
BNA_N

ClientSampleId:

LOQ-SOIL-02-QT3-2018

Tot Ion:128 Resp: 814026

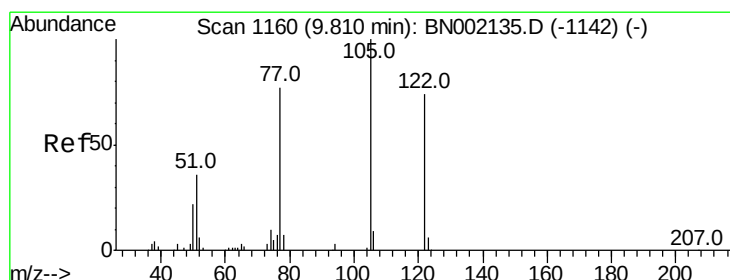
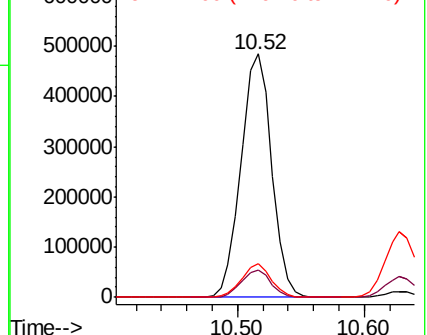
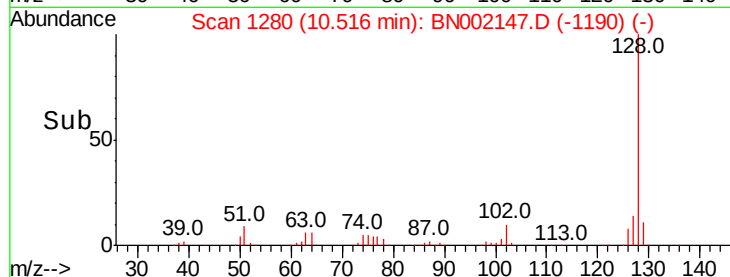
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.6	11.6	17.4



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: 12.354 ng

RT: 9.76 min Scan# 1152

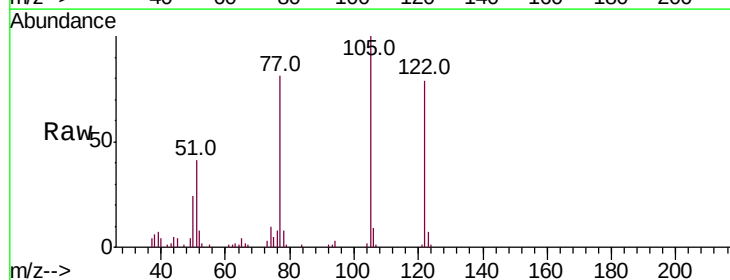
Delta R.T. -0.05 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Tgt Ion:122 Resp: 113475

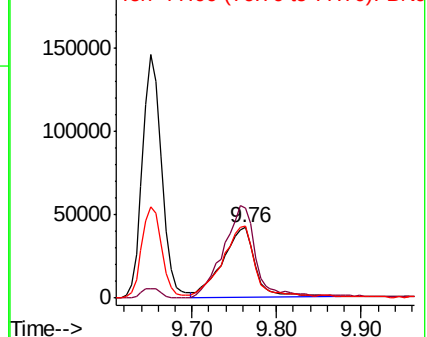
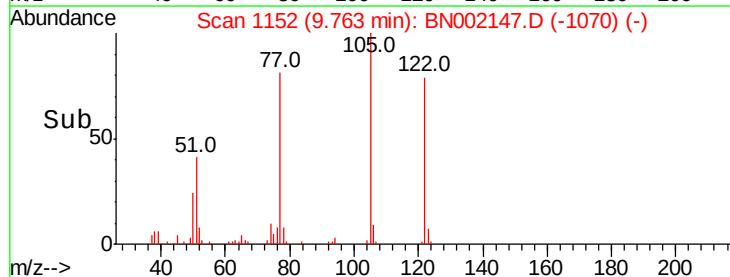
Ion	Ratio	Lower	Upper
122	100		
105	126.7	123.5	163.5
77	102.7	85.7	125.7

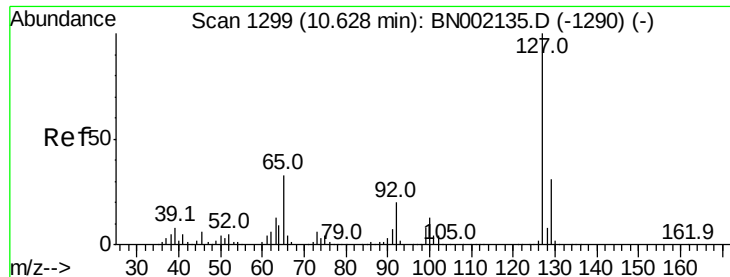


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

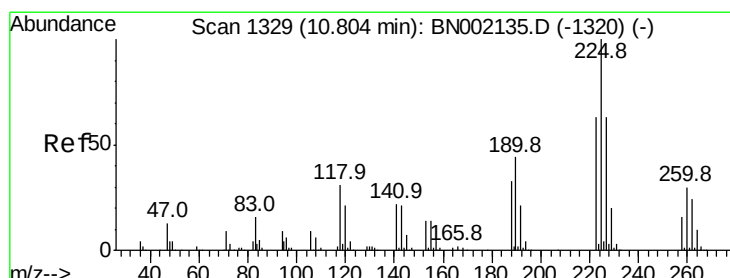
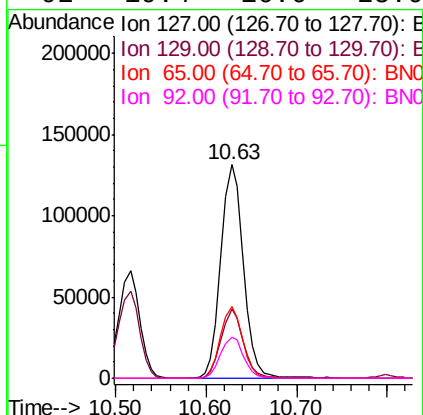
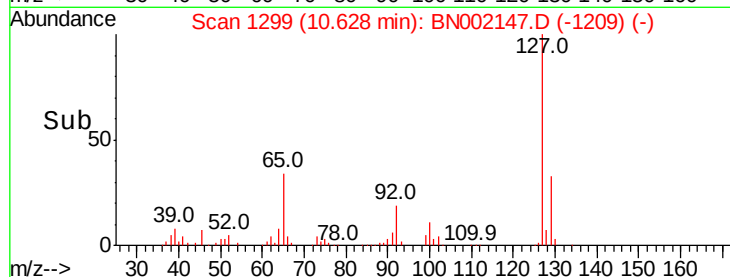
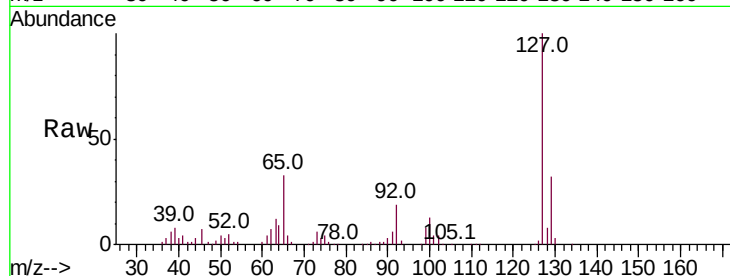




#33
4-Chloroaniline
Concen: 12.720 ng
RT: 10.63 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

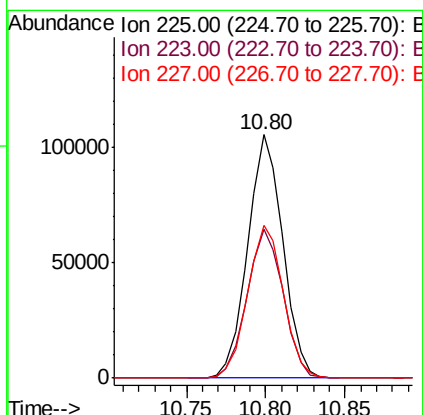
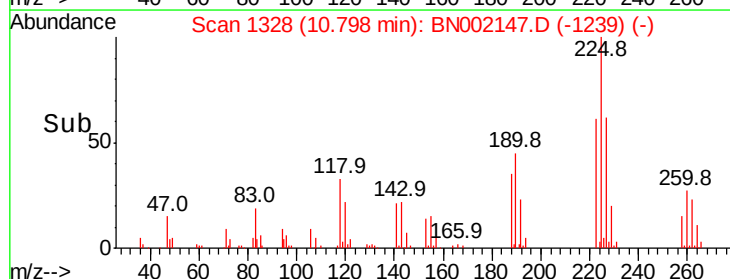
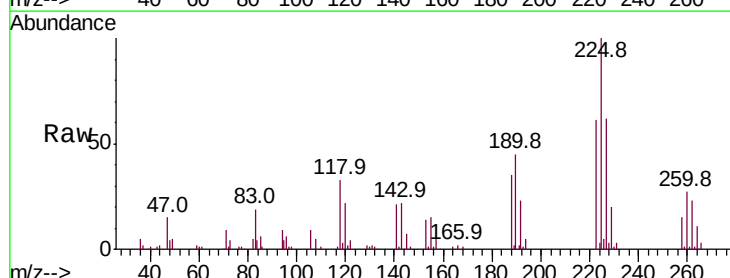
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

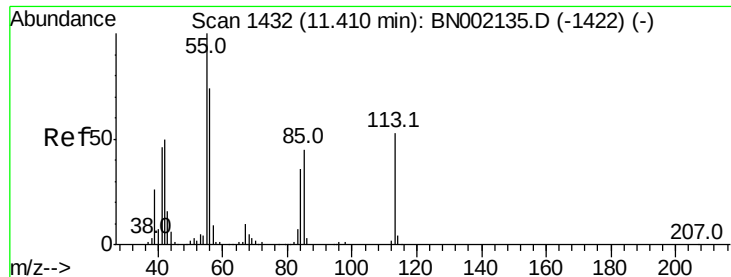
Tot Ion:	127	Resp:	227770
Ion	Ratio	Lower	Upper
127	100		
129	32.4	24.0	36.0
65	33.4	27.0	40.4
92	19.4	16.6	25.0



#34
Hexachlorobutadiene
Concen: 18.632 ng
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion:	225	Resp:	163128
Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.7	74.5
227	62.5	48.1	72.1

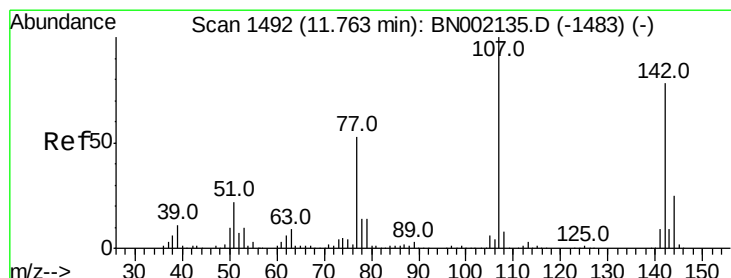
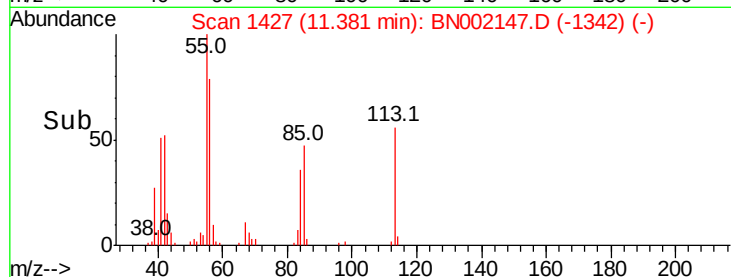
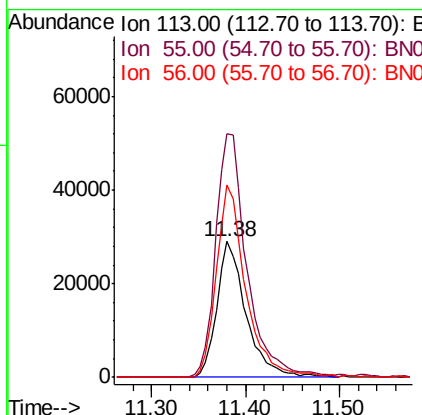
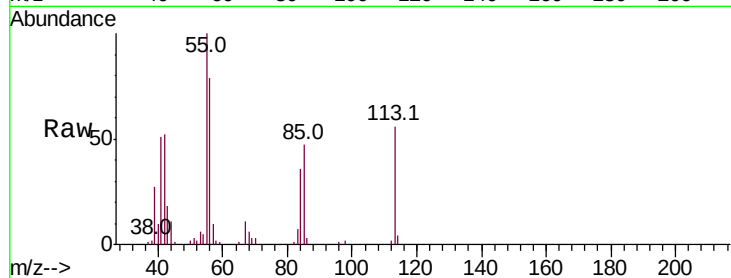




#35
 Caprolactam
 Concen: 14.623 ng
 RT: 11.38 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

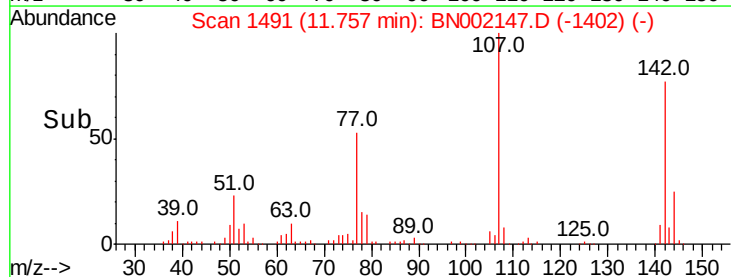
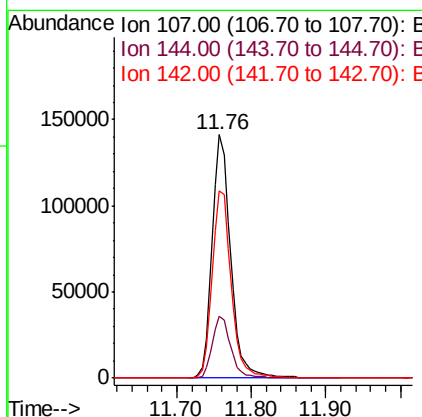
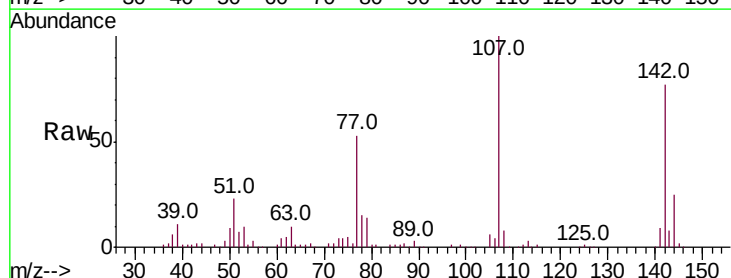
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

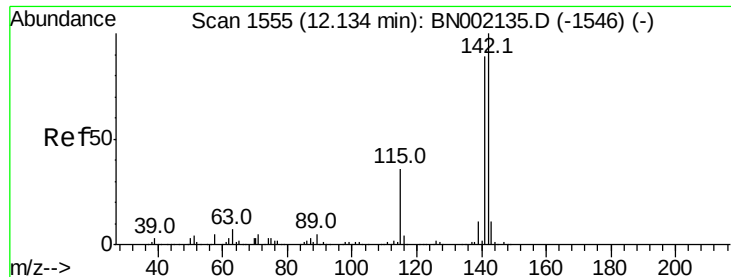
Tot Ion:113 Resp: 63001
 Ion Ratio Lower Upper
 113 100
 55 179.2 120.0 160.0#
 56 141.4 90.0 130.0#



#36
 4-Chloro-3-methylphenol
 Concen: 16.909 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion:107 Resp: 242725
 Ion Ratio Lower Upper
 107 100
 144 25.2 18.2 27.4
 142 77.1 59.0 88.4

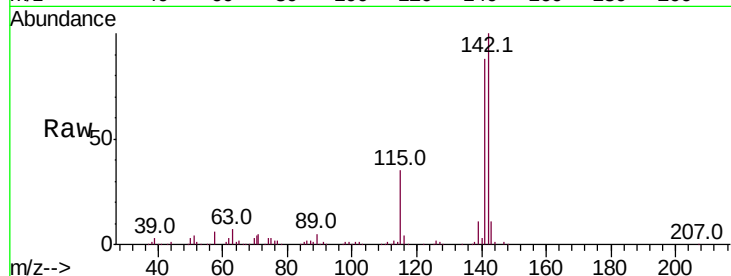




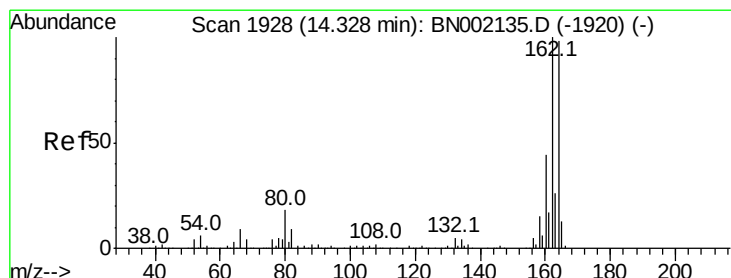
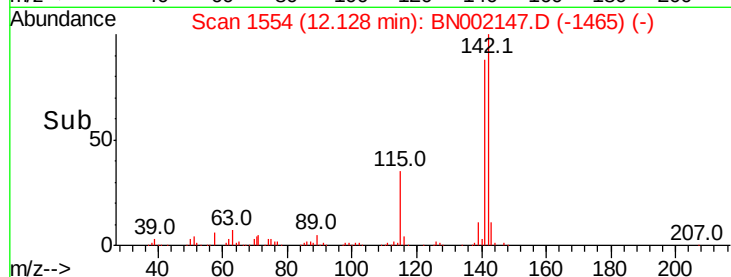
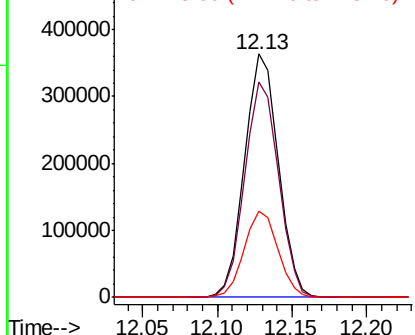
#37
2-Methylnaphthalene
Concen: 20.060 ng
RT: 12.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:142 Resp: 569368
Ion Ratio Lower Upper
142 100
141 88.3 67.1 100.7
115 35.2 30.7 46.1

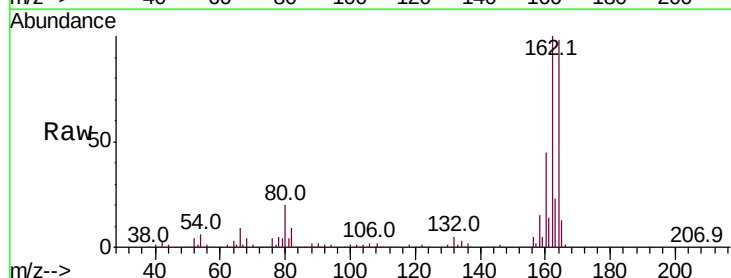


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

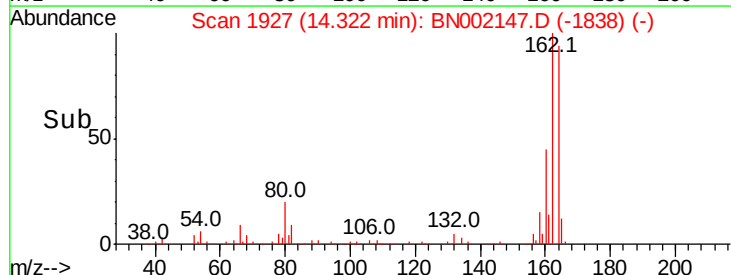
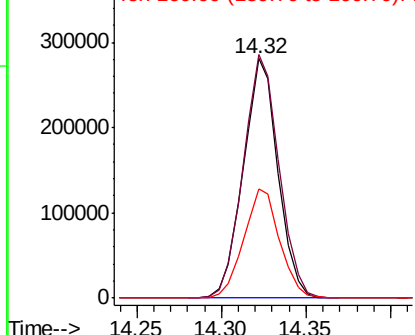


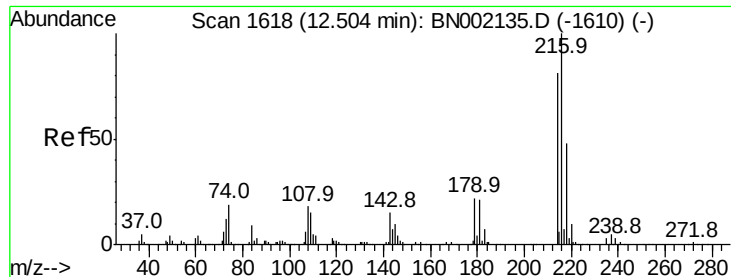
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion:164 Resp: 399878
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 45.7 35.4 53.0



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 20.803 ng

RT: 12.50 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:216 Resp: 279716

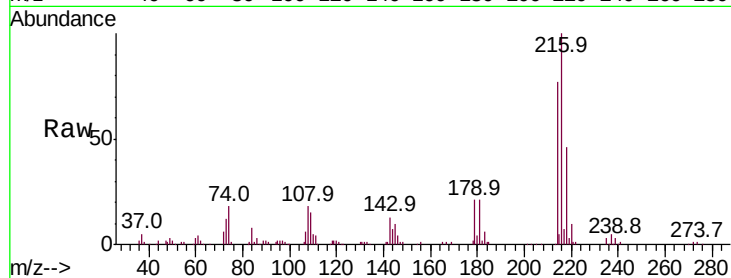
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.4

179 21.4 17.0 25.6

108 19.1 12.8 19.2

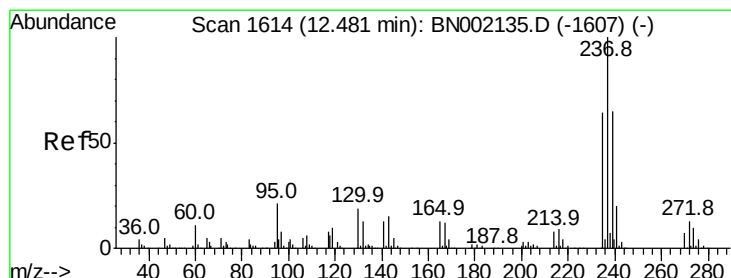
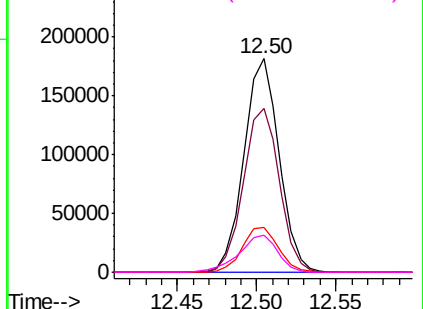
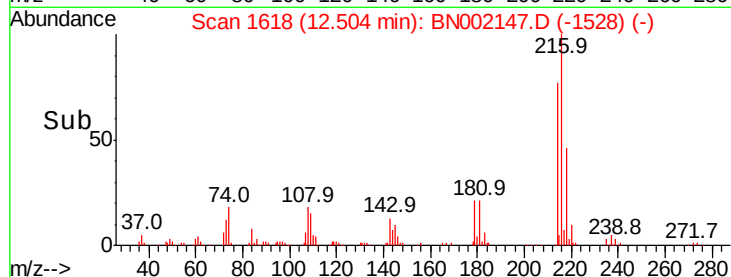


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 24.091 ng

RT: 12.48 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

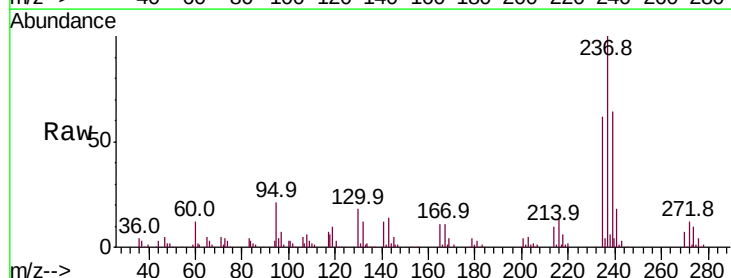
Tgt Ion:237 Resp: 182945

Ion Ratio Lower Upper

237 100

235 61.9 50.4 90.4

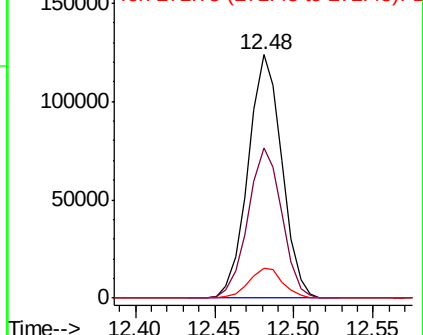
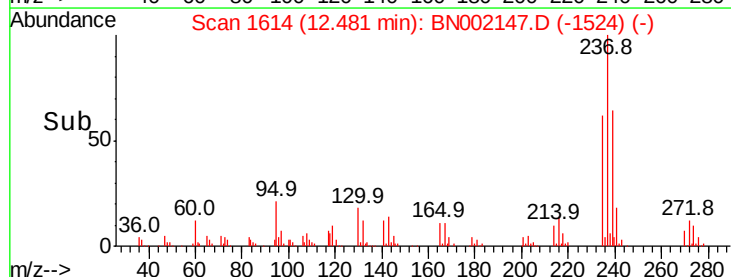
272 12.1 0.0 31.8

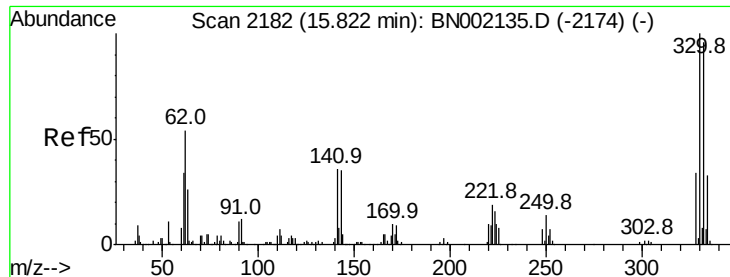


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 117.850 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

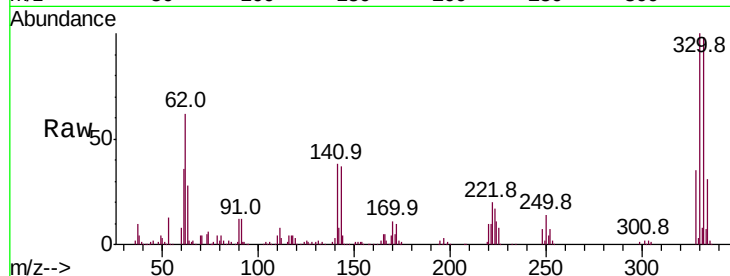
Tot Ion:330 Resp: 611947

Ion Ratio Lower Upper

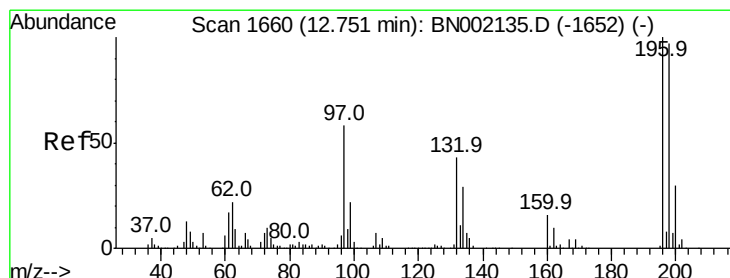
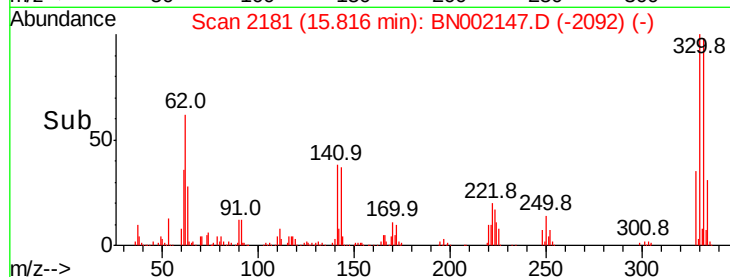
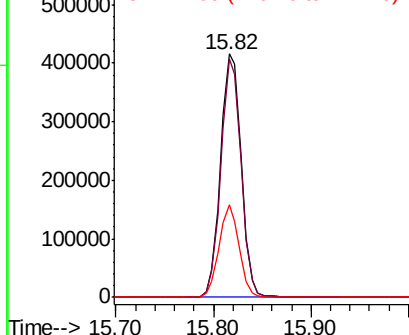
330 100

332 95.4 77.0 115.6

141 36.8 25.2 37.8



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



#42

2,4,6-Trichlorophenol

Concen: 19.117 ng

RT: 12.75 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

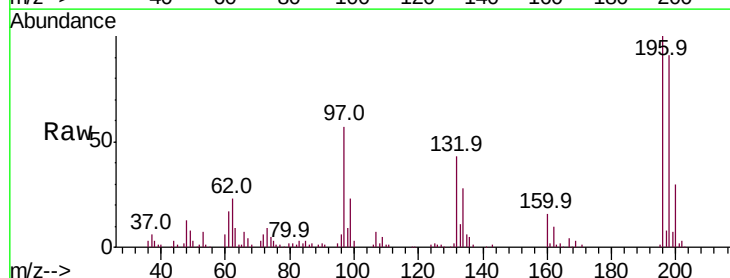
Tgt Ion:196 Resp: 172460

Ion Ratio Lower Upper

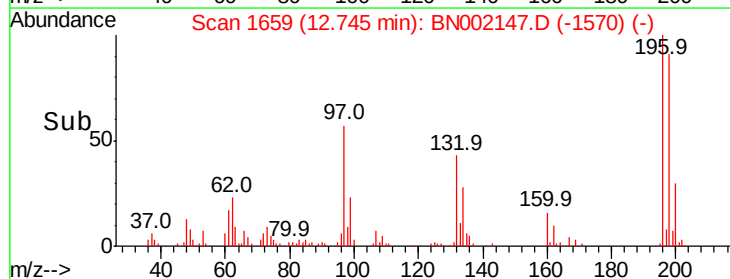
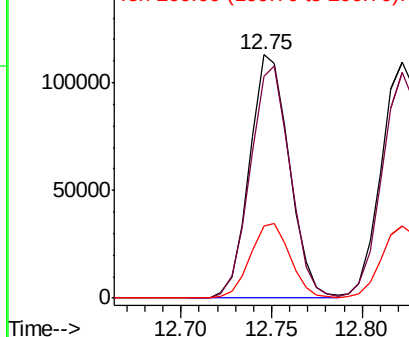
196 100

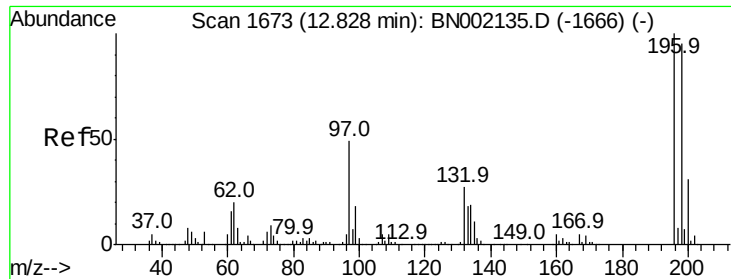
198 91.2 78.2 117.2

200 29.8 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

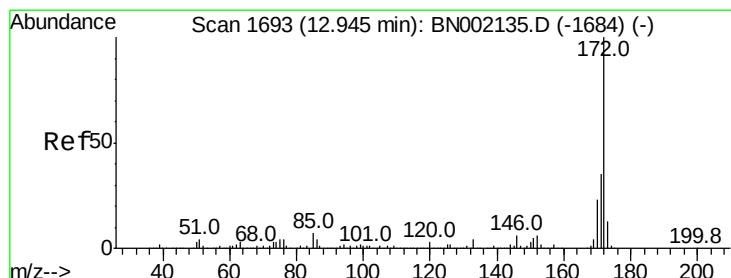
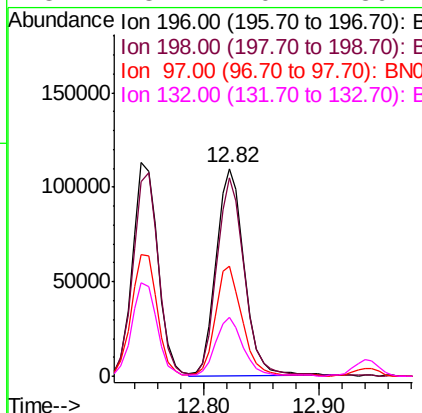
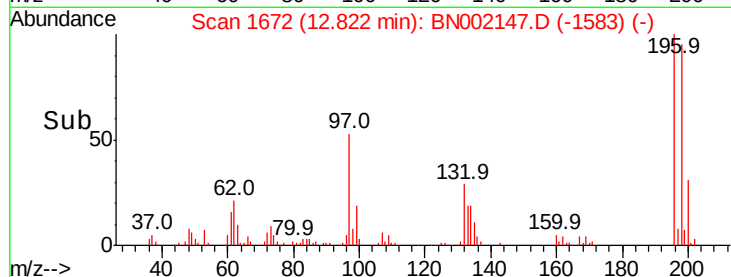
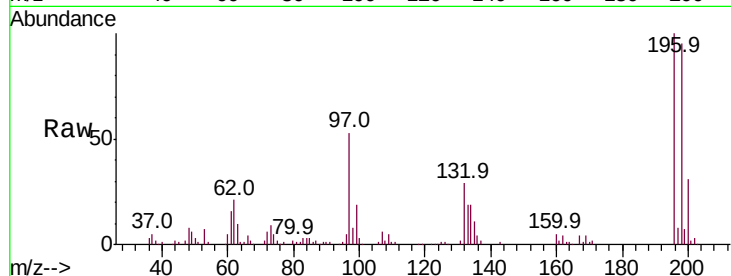




#43
 2,4,5-Trichlorophenol
 Concen: 19.278 ng
 RT: 12.82 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

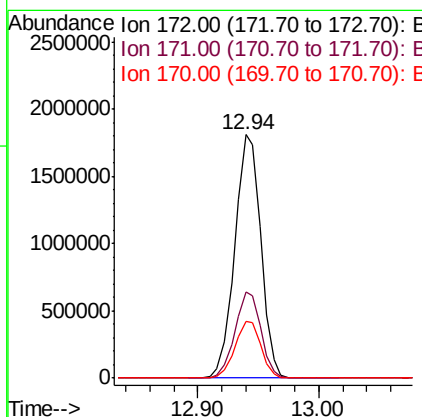
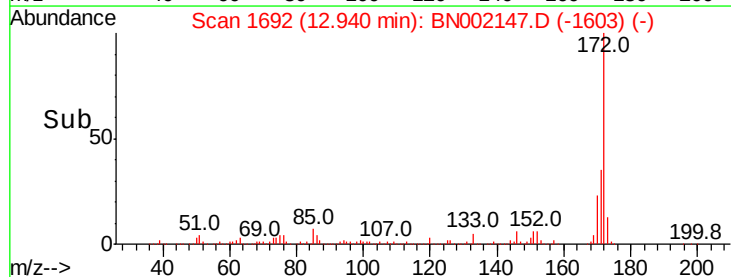
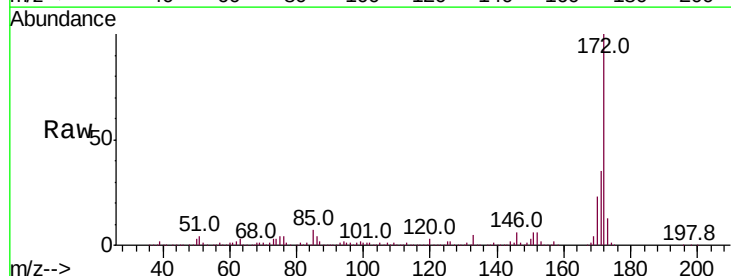
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

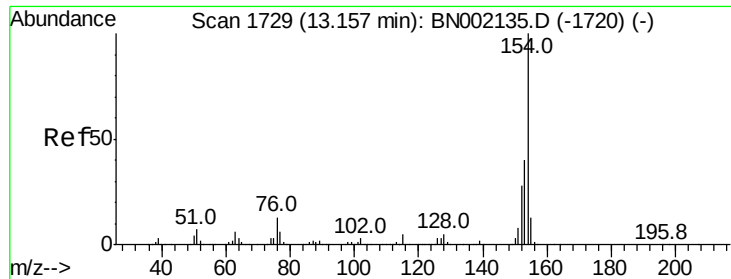
Tot Ion:	196	Resp:	184228
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.2	114.4
97	52.8	38.7	58.1
132	28.7	20.2	30.2



#44
 2-Fluorobiphenyl
 Concen: 88.588 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion:	172	Resp:	2719706
Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.0	45.0
170	23.4	19.5	29.3

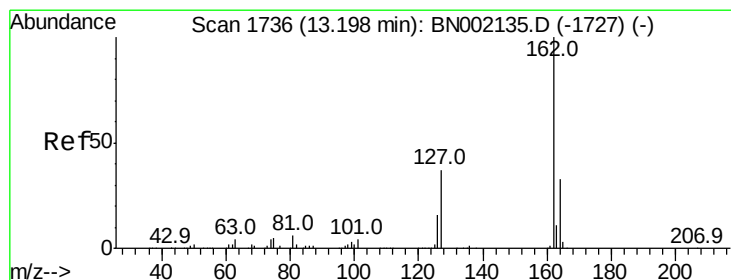
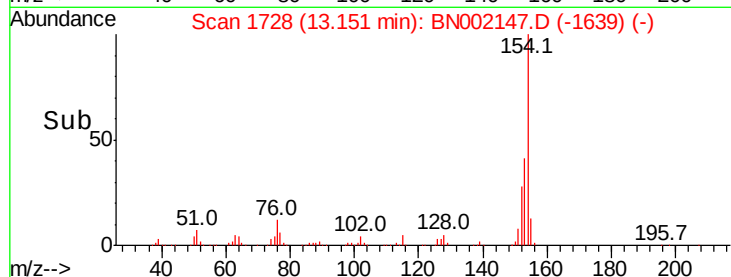
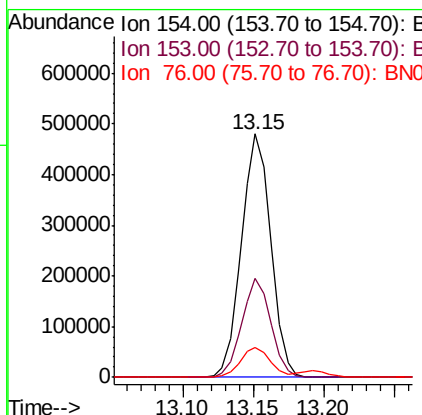
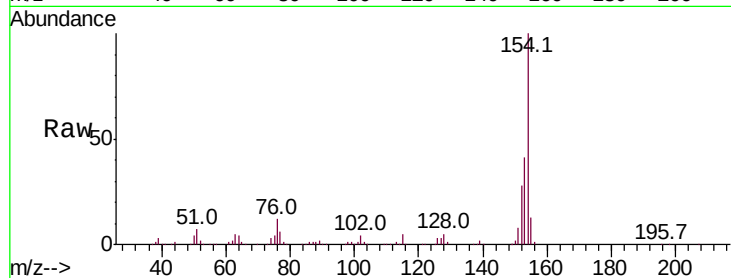




#45
 1,1'-Biphenyl
 Concen: 19.856 ng
 RT: 13.15 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

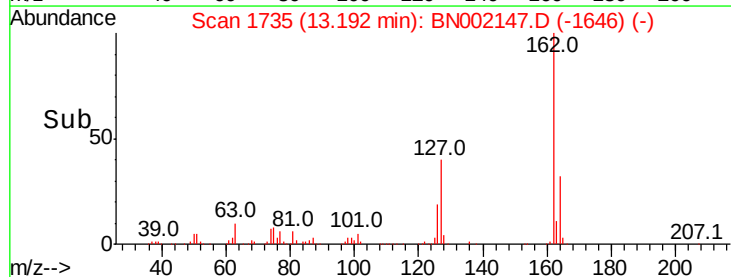
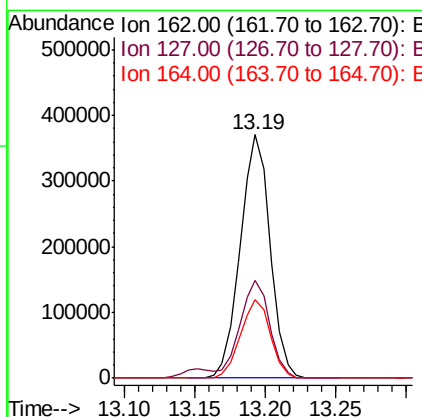
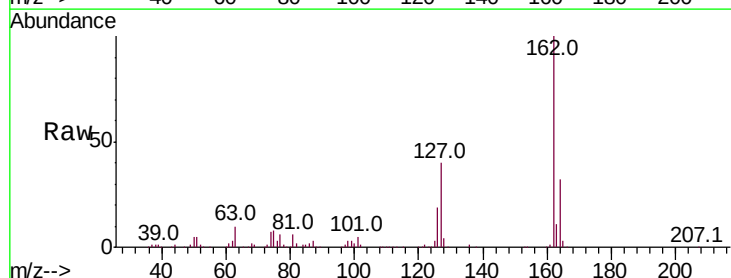
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

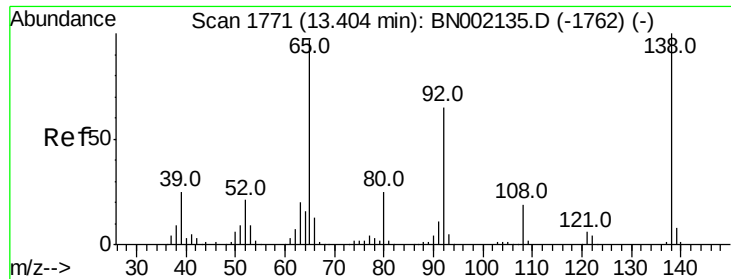
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.8	59.8
76	12.4	0.0	31.9



#46
 2-Chloronaphthalene
 Concen: 20.102 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.0	30.7	46.1
164	32.2	26.0	39.0

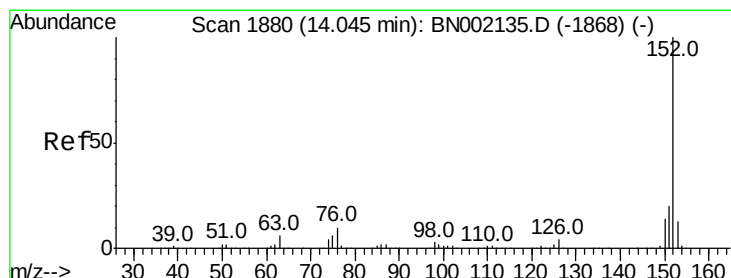
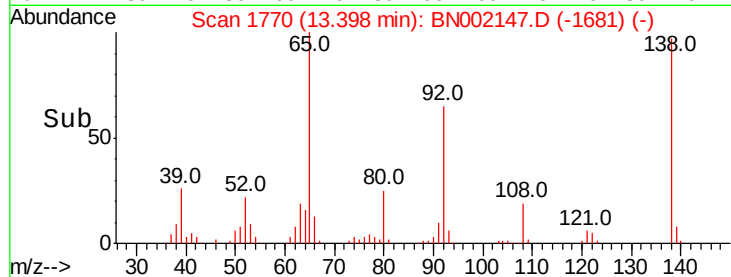
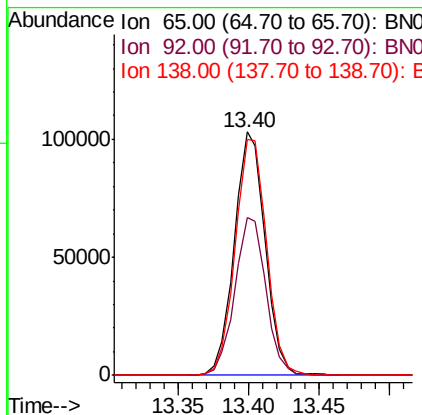
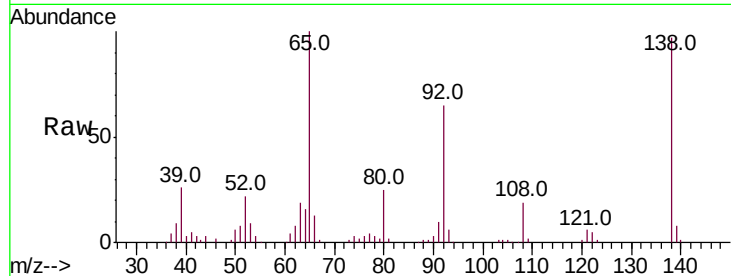




#47
2-Nitroaniline
Concen: 17.946 ng
RT: 13.40 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

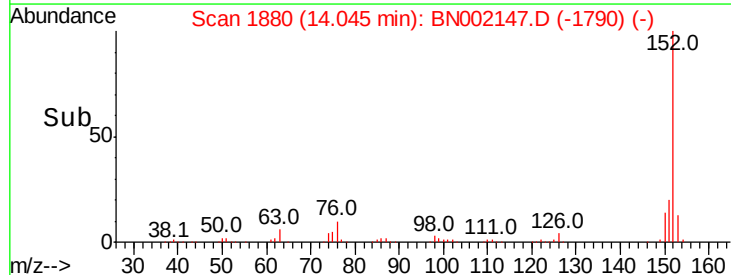
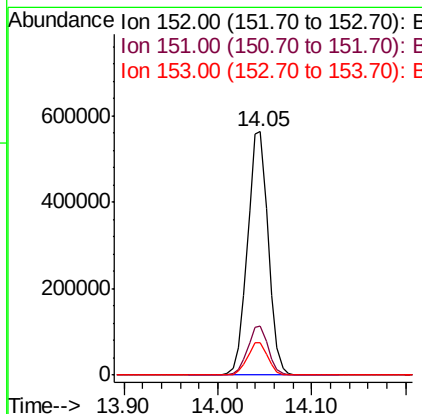
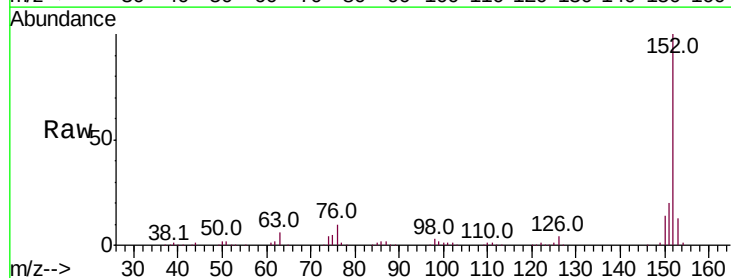
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

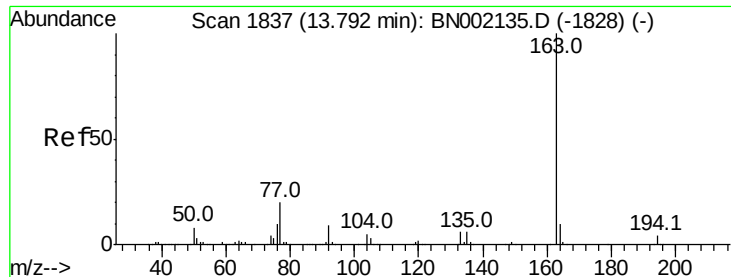
Tot Ion: 65 Resp: 156840
Ion Ratio Lower Upper
65 100
92 64.9 54.6 82.0
138 97.1 72.9 109.3



#48
Acenaphthylene
Concen: 20.858 ng
RT: 14.05 min Scan# 1880
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 152 Resp: 859698
Ion Ratio Lower Upper
152 100
151 20.0 17.2 25.8
153 13.1 10.2 15.4





#49

Dimethylphthalate

Concen: 18.576 ng

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

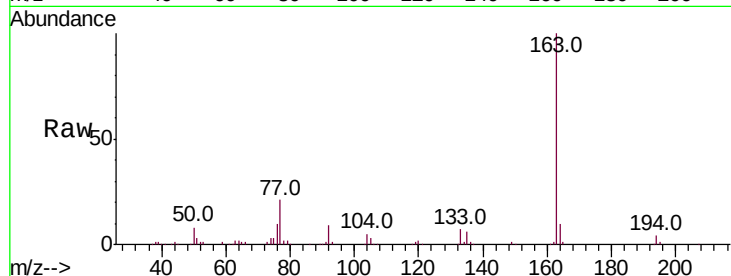
Tot Ion:163 Resp: 617020

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

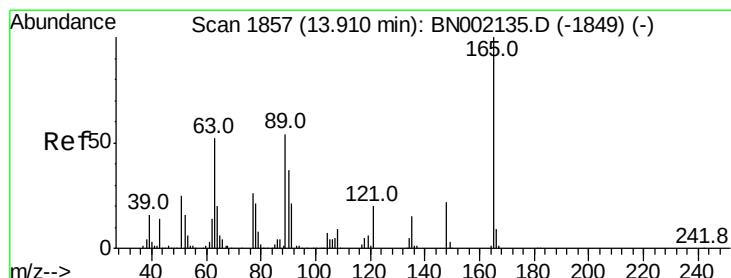
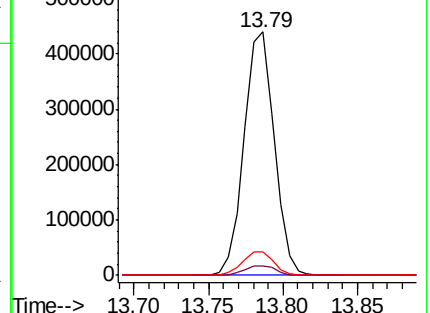
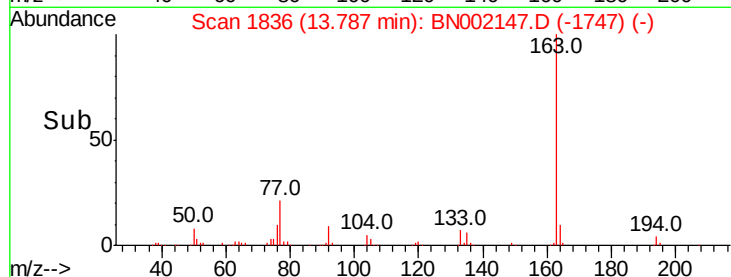
164 9.5 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 18.160 ng

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

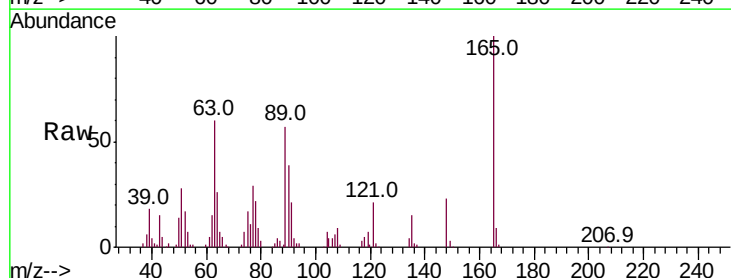
Tgt Ion:165 Resp: 134014

Ion Ratio Lower Upper

165 100

63 60.0 52.7 79.1

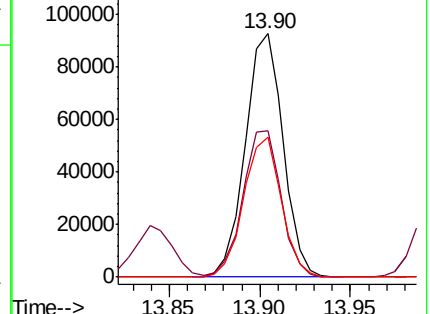
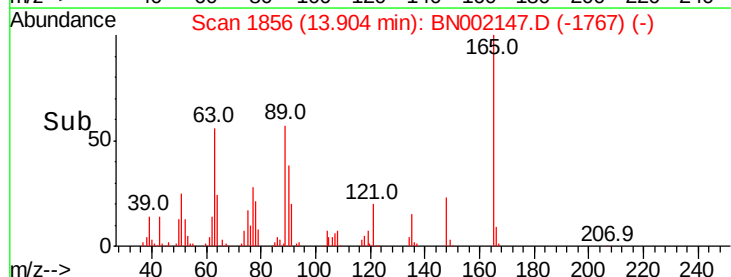
89 57.4 49.2 73.8

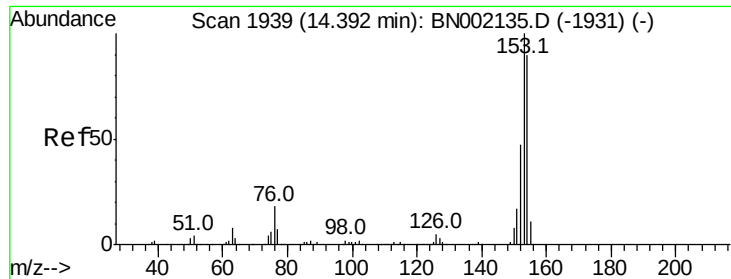


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 19.986 ng

RT: 14.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

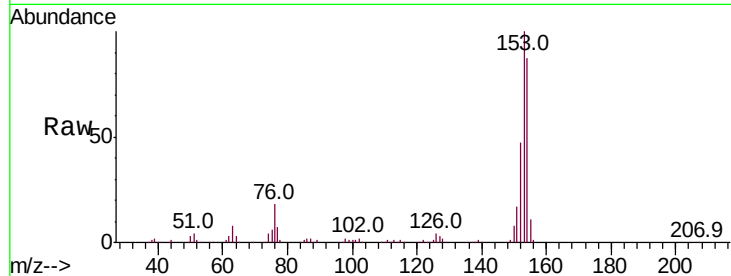
Tot Ion:154 Resp: 496185

Ion Ratio Lower Upper

154 100

153 114.4 90.4 135.6

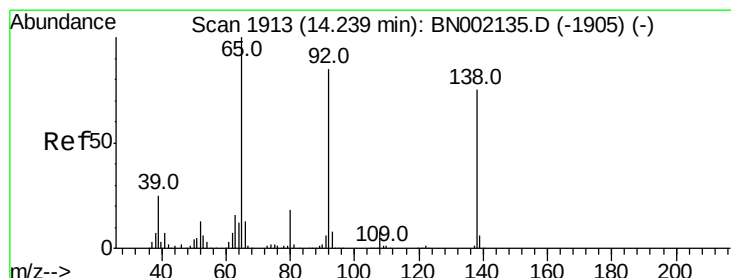
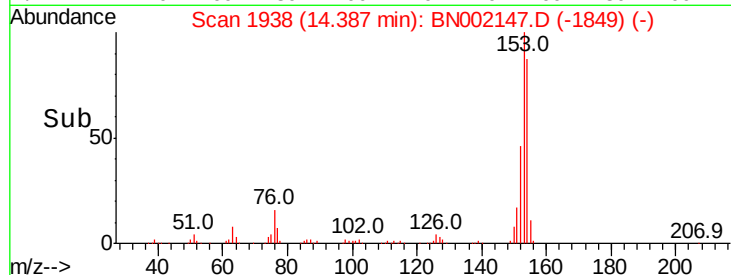
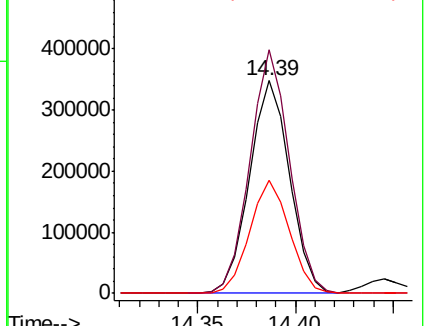
152 53.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 12.358 ng

RT: 14.23 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

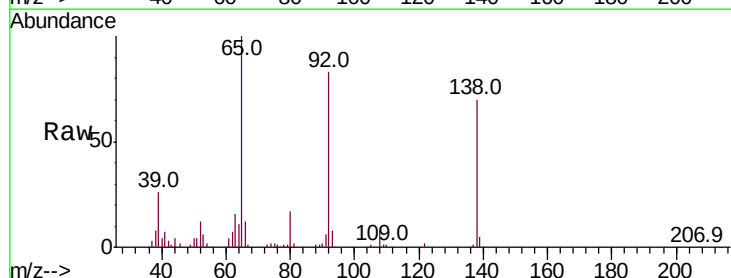
Tgt Ion:138 Resp: 98814

Ion Ratio Lower Upper

138 100

108 11.1 17.5 26.3#

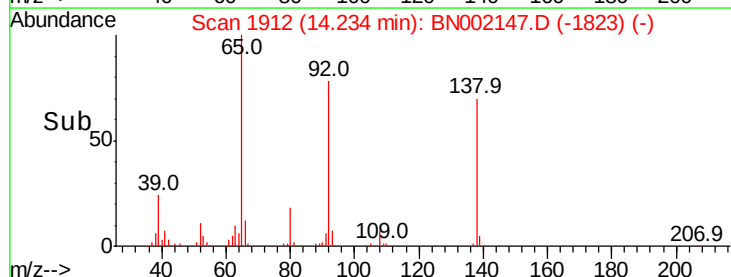
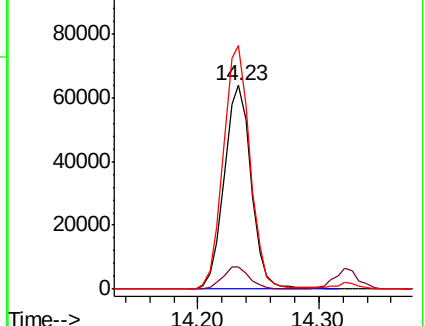
92 119.5 105.8 158.8

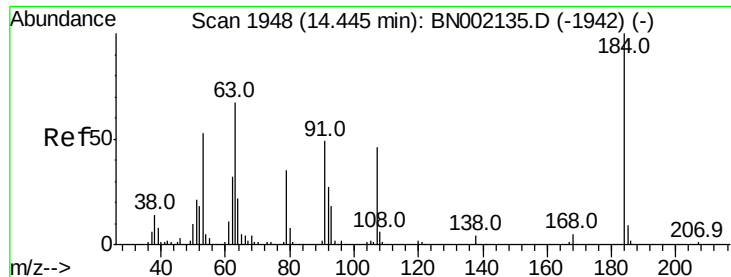


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO

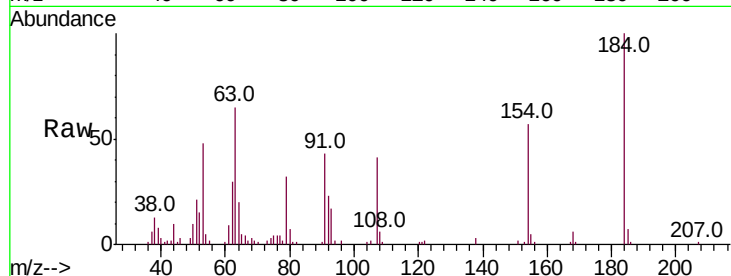




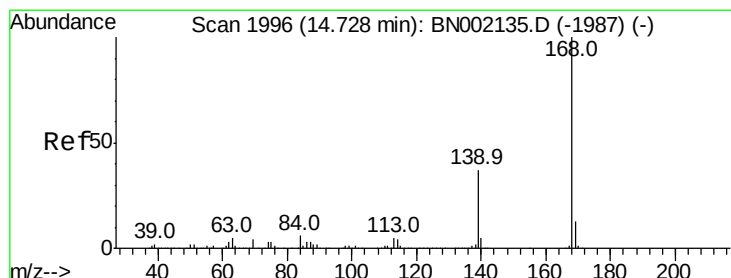
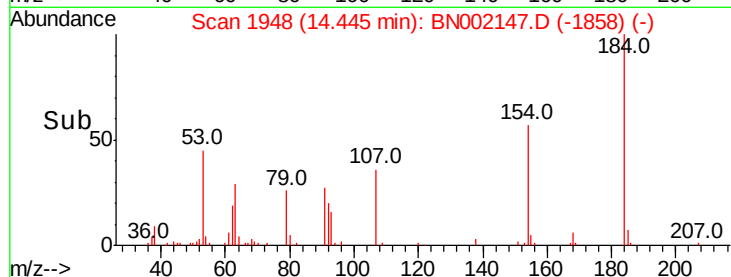
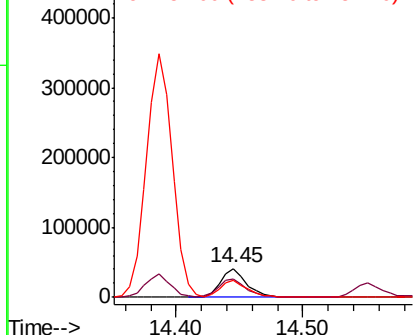
#53
2,4-Dinitrophenol
Concen: 15.367 ng
RT: 14.45 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:184 Resp: 60047
Ion Ratio Lower Upper
184 100
63 64.8 56.0 84.0
154 57.0 48.0 72.0

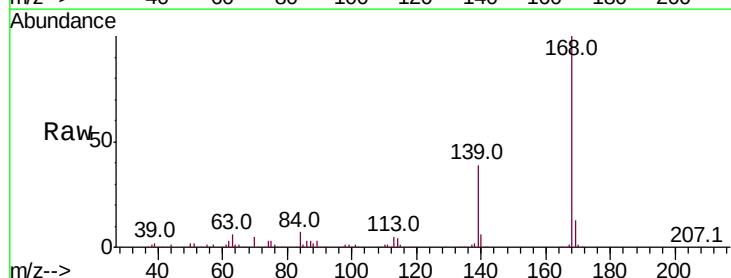


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 154.00 (153.70 to 154.70): E

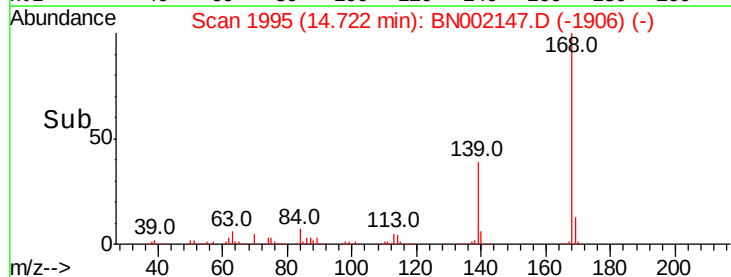
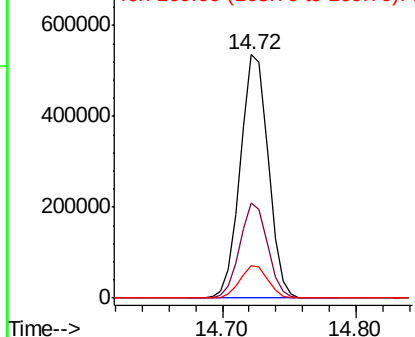


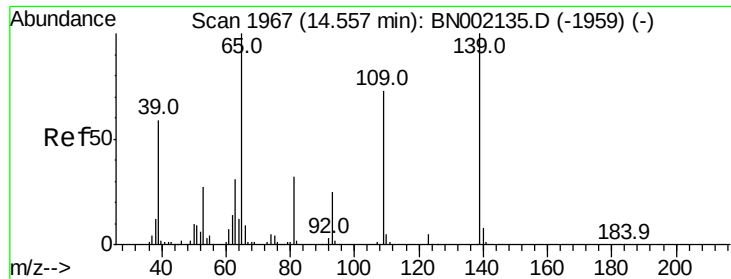
#54
Dibenzofuran
Concen: 19.296 ng
RT: 14.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion:168 Resp: 776721
Ion Ratio Lower Upper
168 100
139 39.3 28.6 43.0
169 13.4 11.2 16.8



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

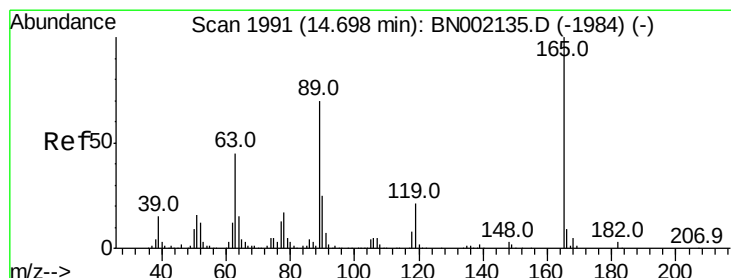
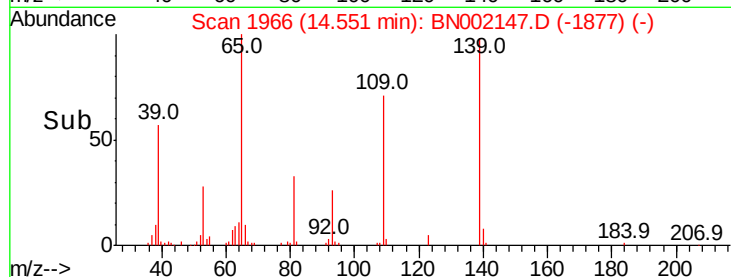
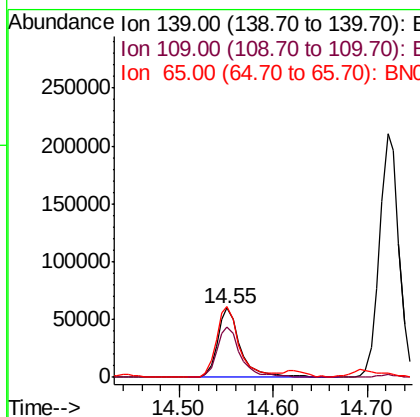
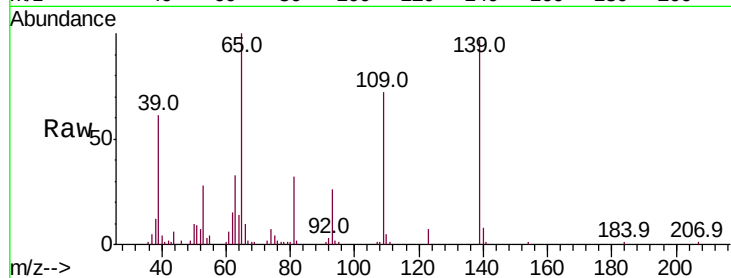




#55
4-Nitrophenol
Concen: 16.433 ng
RT: 14.55 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

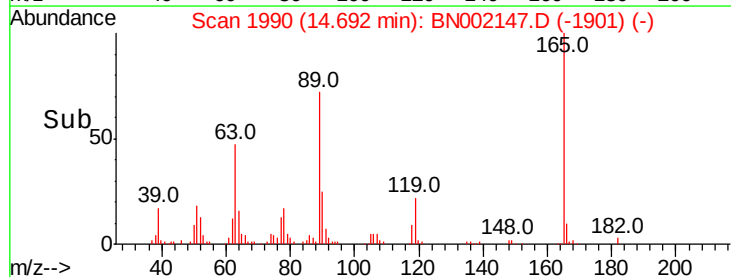
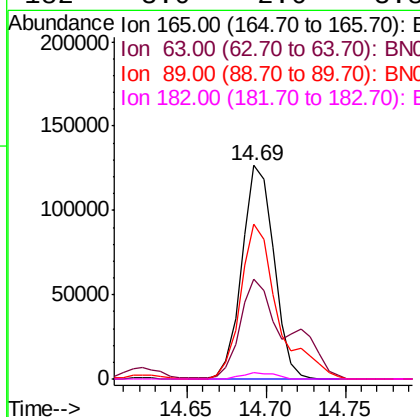
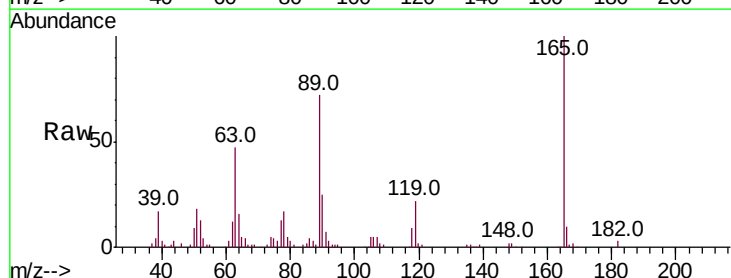
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

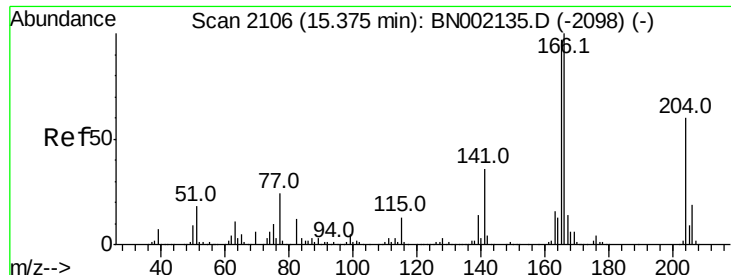
Tot Ion:139 Resp: 100876
Ion Ratio Lower Upper
139 100
109 73.7 62.2 102.2
65 102.8 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 17.731 ng
RT: 14.69 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion:165 Resp: 177580
Ion Ratio Lower Upper
165 100
63 46.9 42.0 63.0
89 72.4 66.9 100.3
182 3.0 2.6 3.8

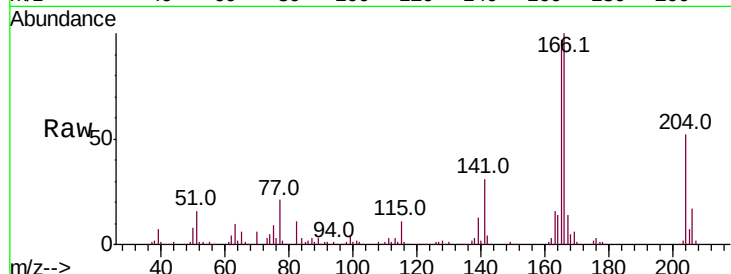




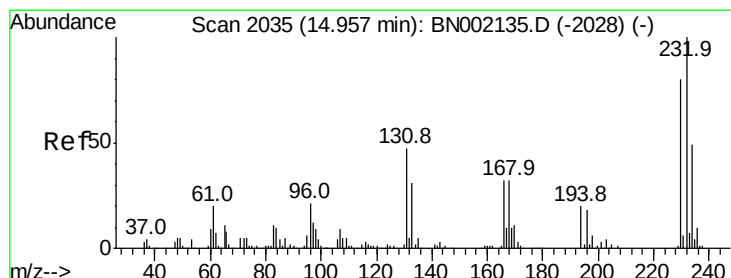
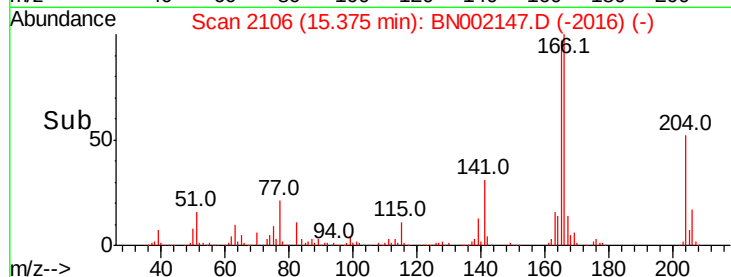
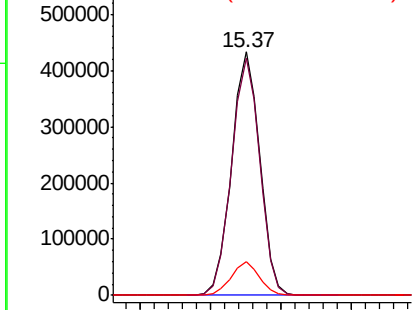
#57
 Fluorene
 Concen: 19.858 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:166 Resp: 602469
 Ion Ratio Lower Upper
 166 100
 165 97.2 80.6 121.0
 167 13.6 10.4 15.6

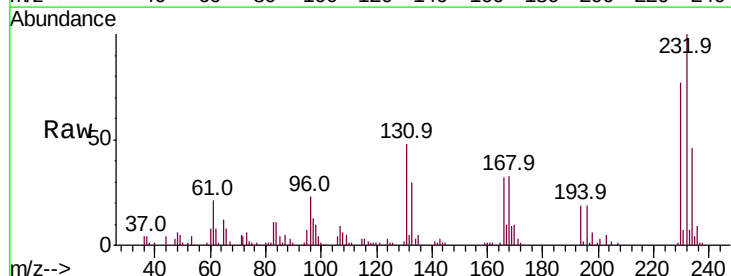


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

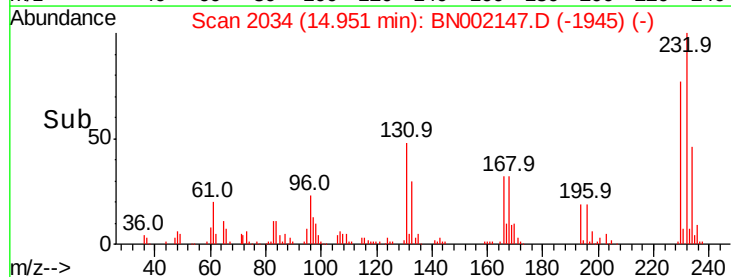
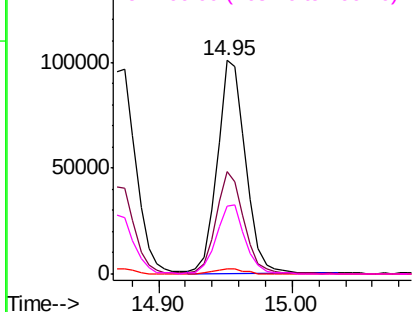


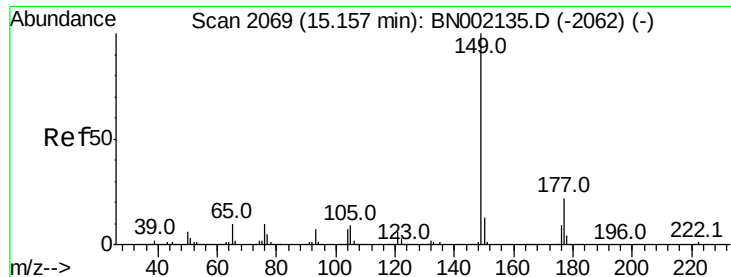
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 18.207 ng
 RT: 14.95 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion:232 Resp: 149637
 Ion Ratio Lower Upper
 232 100
 131 47.6 33.5 50.3
 130 2.4 2.2 3.2
 166 33.0 24.8 37.2



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

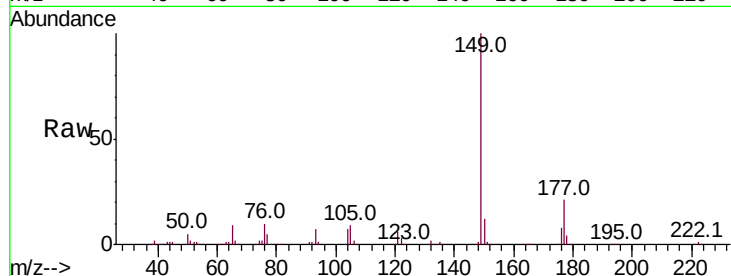




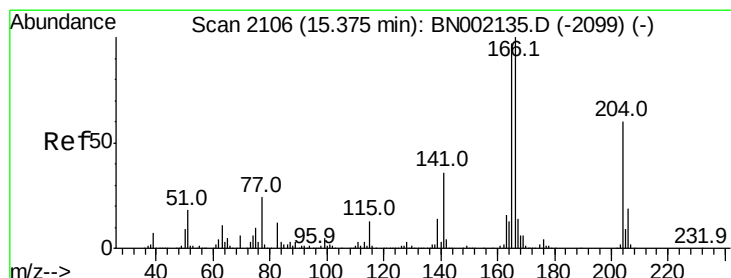
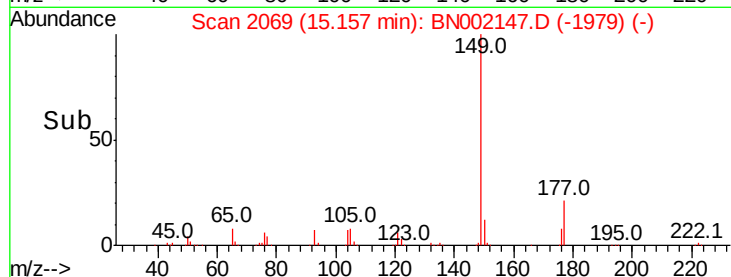
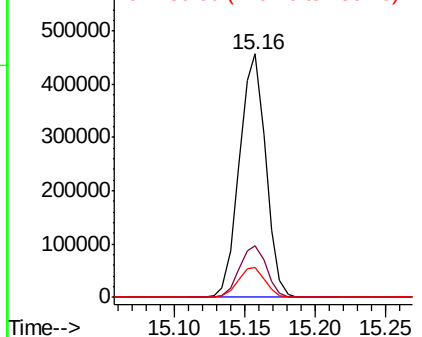
#59
Diethylphthalate
Concen: 17.578 ng
RT: 15.16 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:149 Resp: 594282
Ion Ratio Lower Upper
149 100
177 21.4 18.5 27.7
150 12.4 10.2 15.2

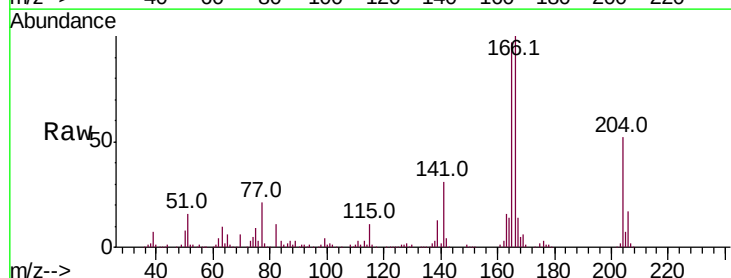


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

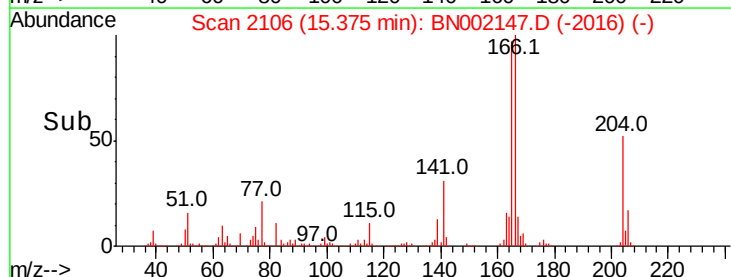
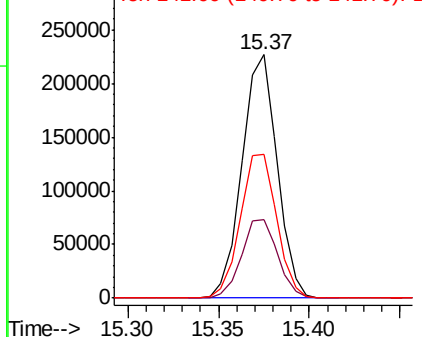


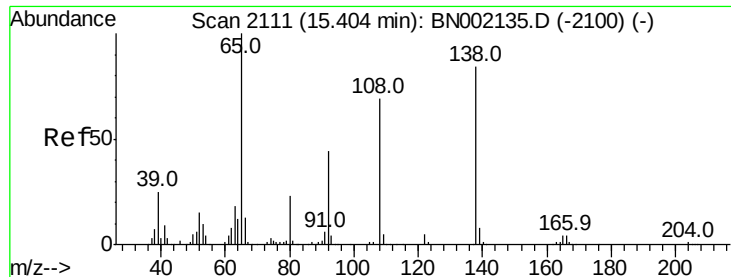
#60
4-Chlorophenyl-phenylether
Concen: 18.235 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion:204 Resp: 306127
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 59.0 45.8 68.6



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

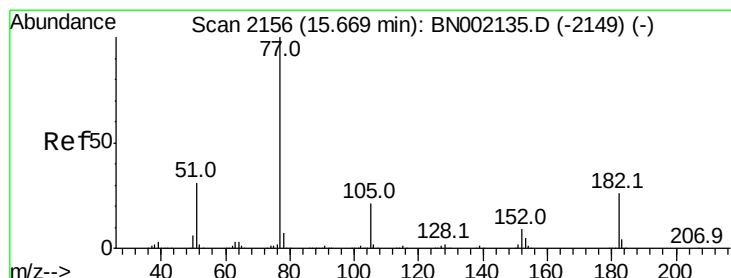
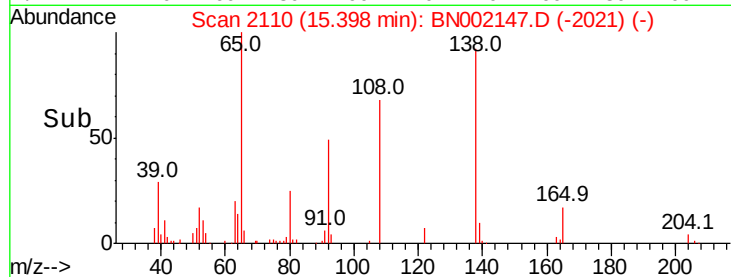
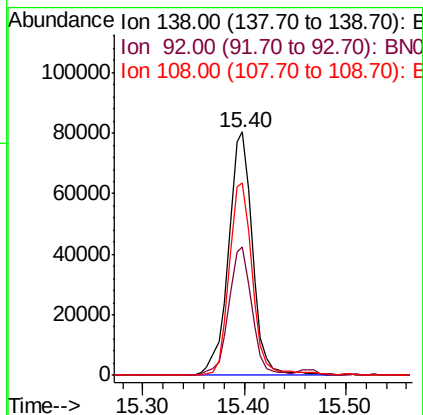
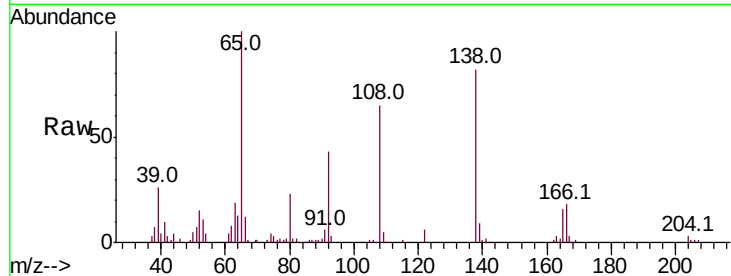




#61
4-Nitroaniline
Concen: 16.205 ng
RT: 15.40 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

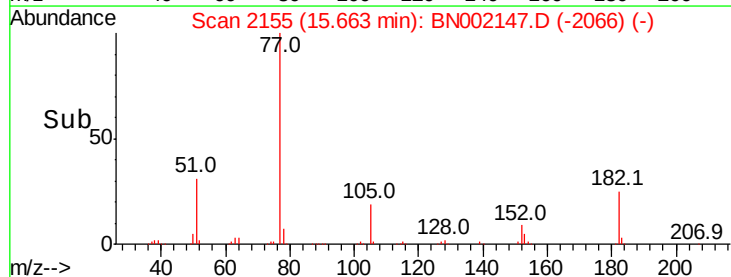
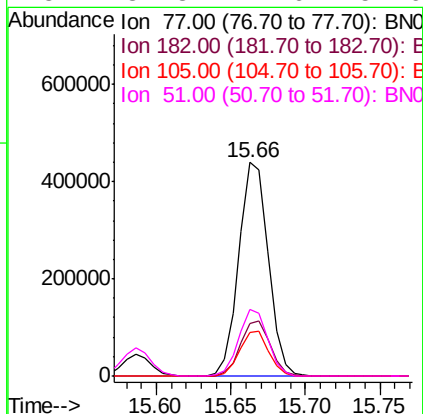
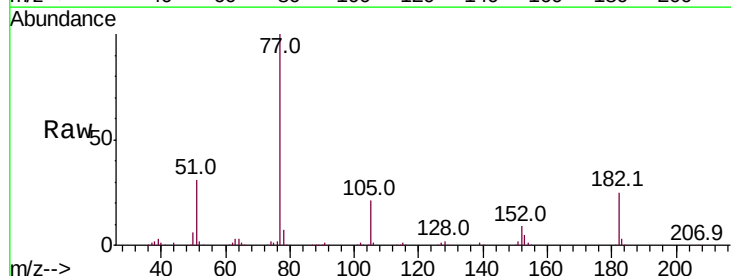
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

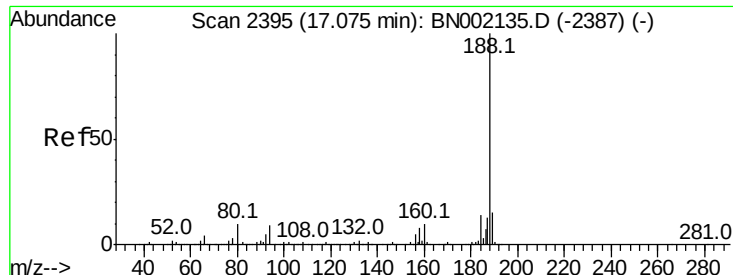
Tot Ion:138 Resp: 132085
Ion Ratio Lower Upper
138 100
92 52.9 40.1 80.1
108 79.3 65.4 105.4



#62
Azobenzene
Concen: 18.582 ng
RT: 15.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion: 77 Resp: 602802
Ion Ratio Lower Upper
77 100
182 24.7 7.4 47.4
105 20.5 0.3 40.3
51 31.3 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

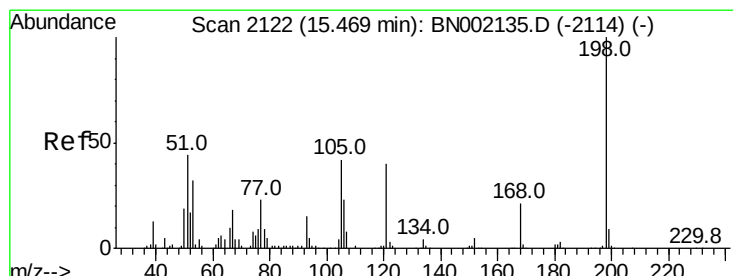
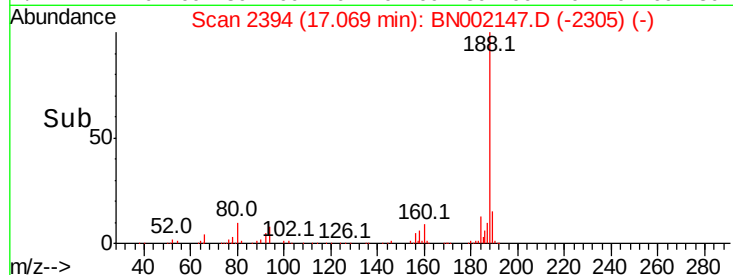
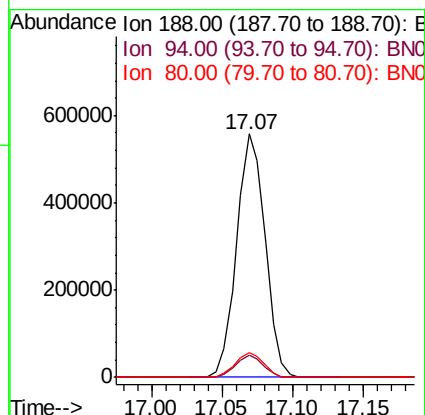
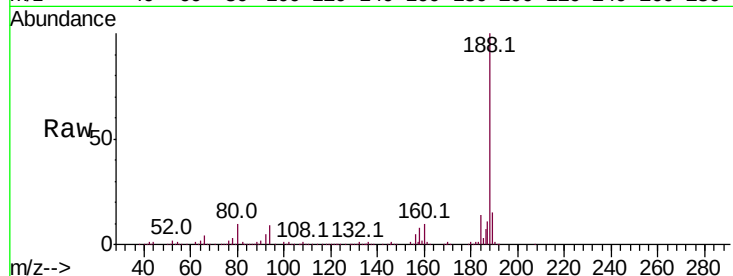
Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:188 Resp: 784035

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.9	10.3
80	10.1	7.7	11.5



#64

4,6-Dinitro-2-methylphenol

Concen: 16.034 ng

RT: 15.46 min Scan# 2121

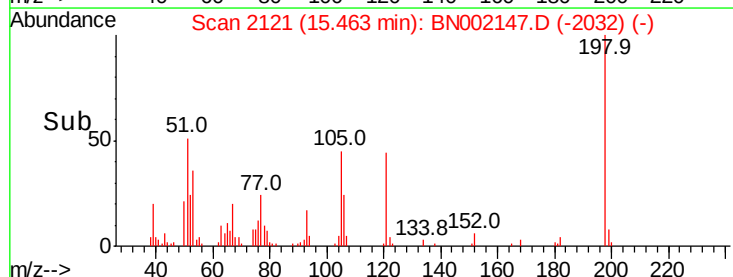
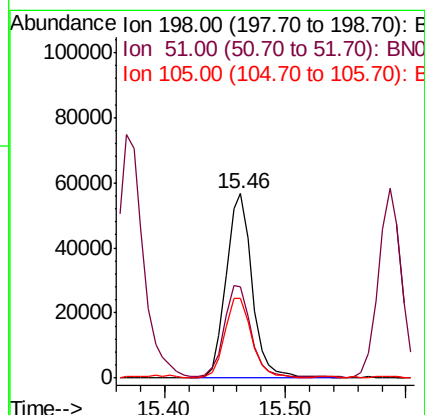
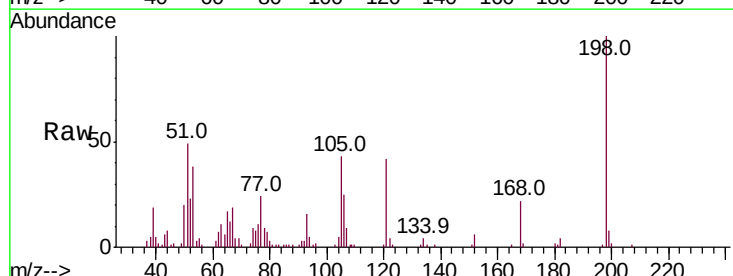
Delta R.T. -0.01 min

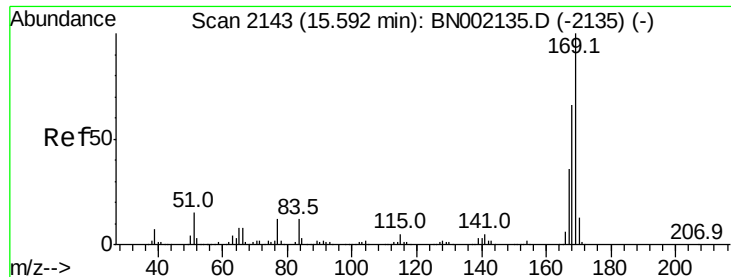
Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Tgt Ion:198 Resp: 84874

Ion	Ratio	Lower	Upper
198	100		
51	49.2	30.6	70.6
105	43.4	23.8	63.8

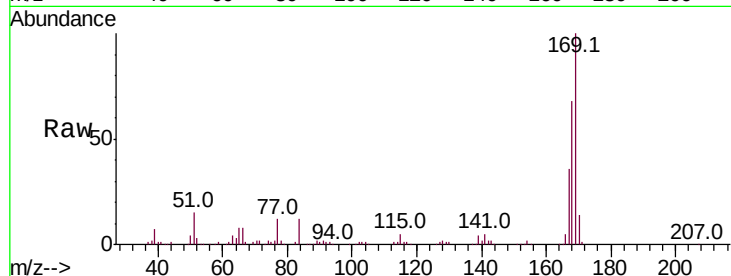




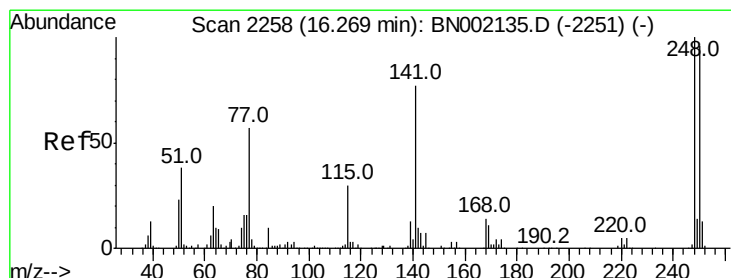
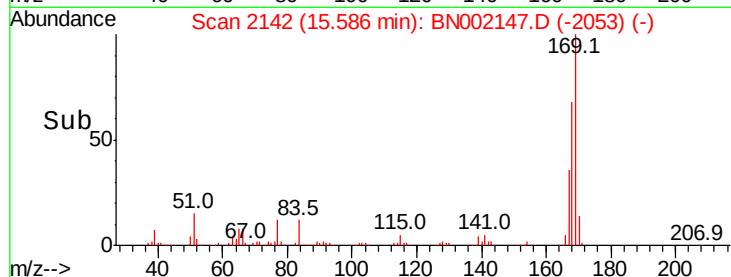
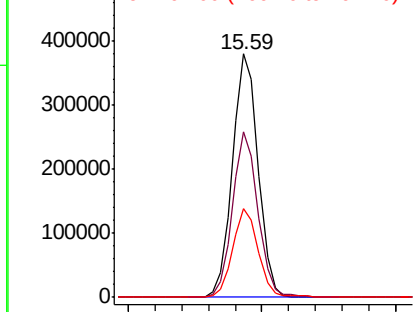
#65
 n-Nitrosodiphenylamine
 Concen: 19.512 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:169 Resp: 507639
 Ion Ratio Lower Upper
 169 100
 168 67.8 55.7 83.5
 167 36.4 30.1 45.1

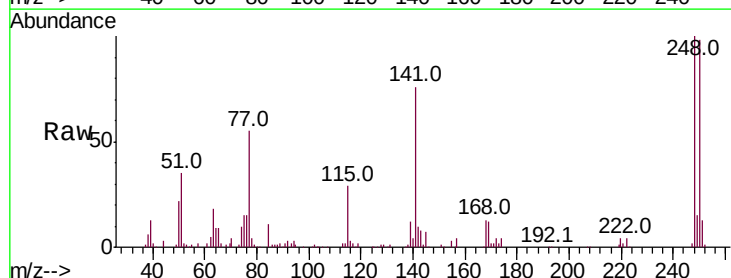


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

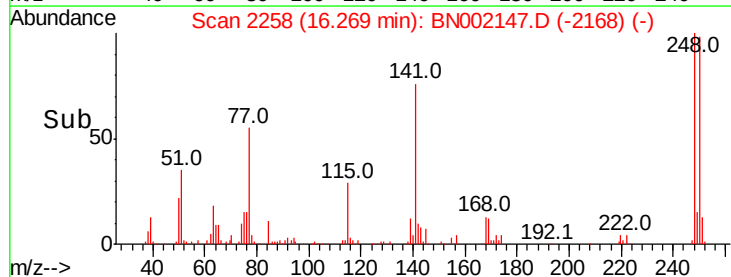
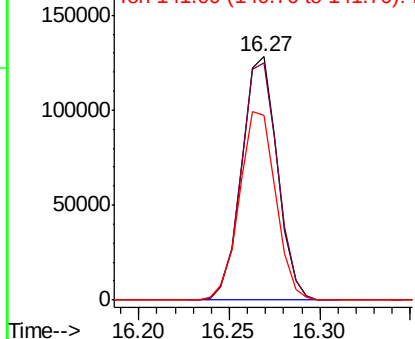


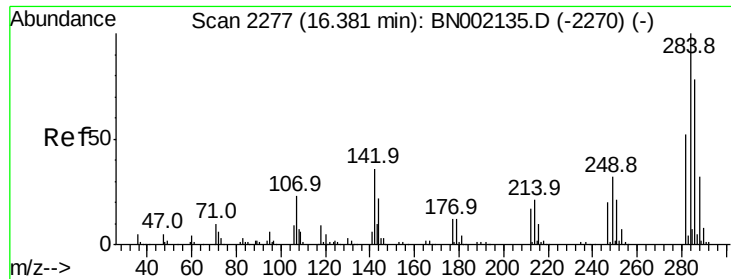
#66
 4-Bromophenyl-phenylether
 Concen: 19.020 ng
 RT: 16.27 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion:248 Resp: 174573
 Ion Ratio Lower Upper
 248 100
 250 97.5 77.1 115.7
 141 75.7 50.8 76.2



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





#67

Hexachlorobenzene

Concen: 19.030 ng

RT: 16.38 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

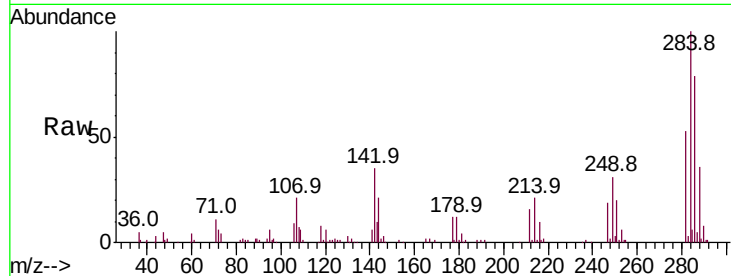
Tot Ion:284 Resp: 193192

Ion Ratio Lower Upper

284 100

142 34.6 26.8 40.2

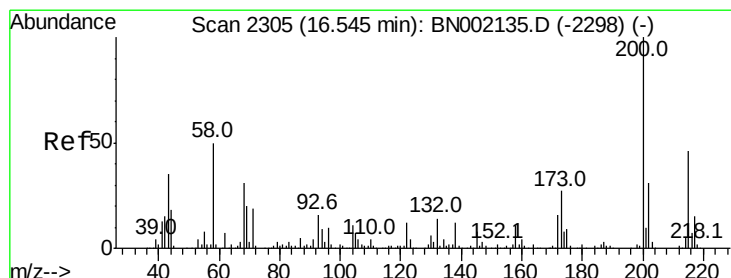
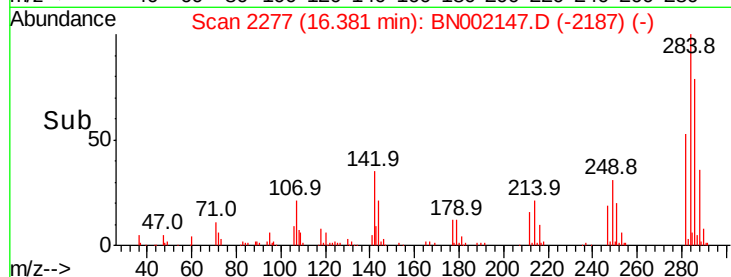
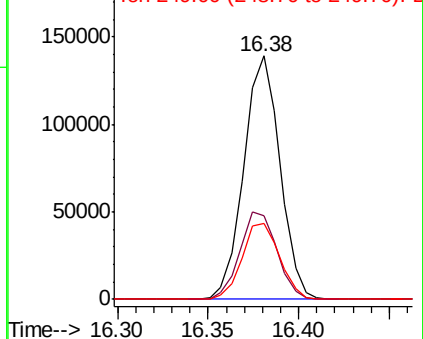
249 31.3 26.3 39.5



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



#68

Atrazine

Concen: 18.256 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

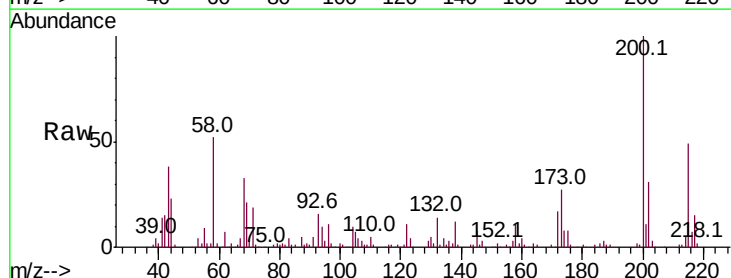
Tgt Ion:200 Resp: 159910

Ion Ratio Lower Upper

200 100

173 26.9 5.2 45.2

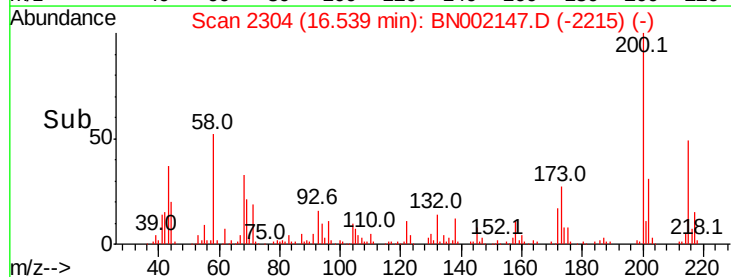
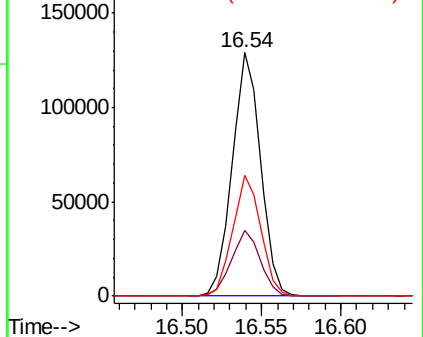
215 49.3 30.4 70.4

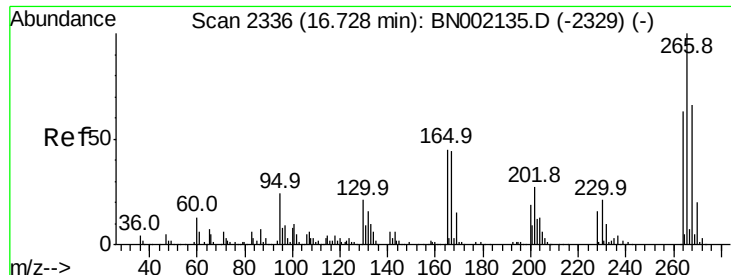


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 12.830 ng

RT: 16.73 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

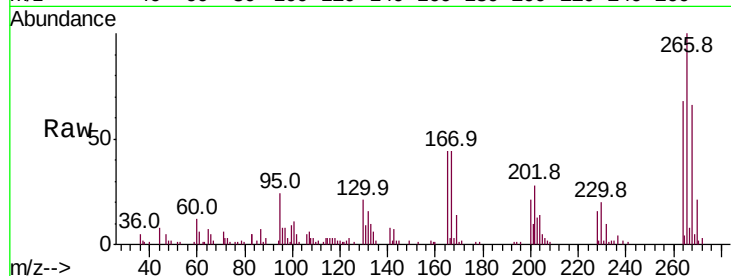
Tot Ion:266 Resp: 83840

Ion Ratio Lower Upper

266 100

268 66.4 51.1 76.7

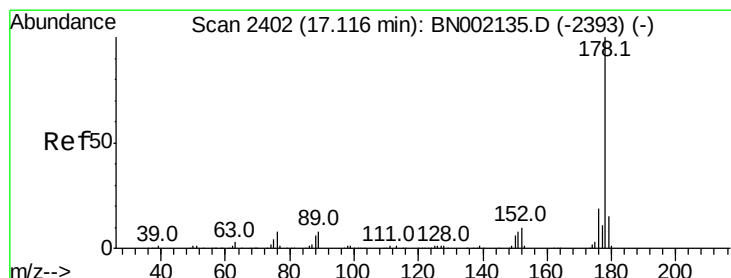
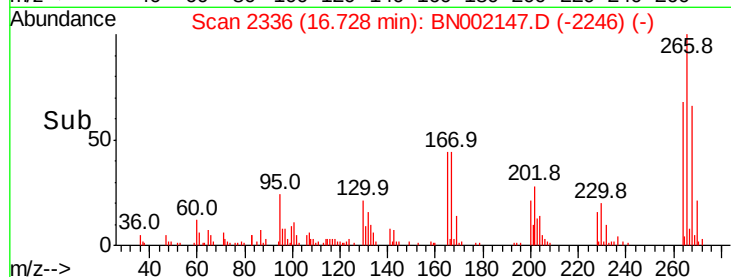
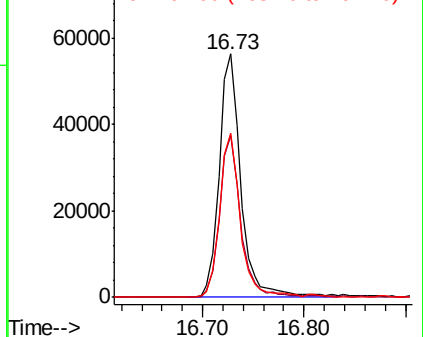
264 67.6 49.6 74.4



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



#70

Phenanthrene

Concen: 20.412 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

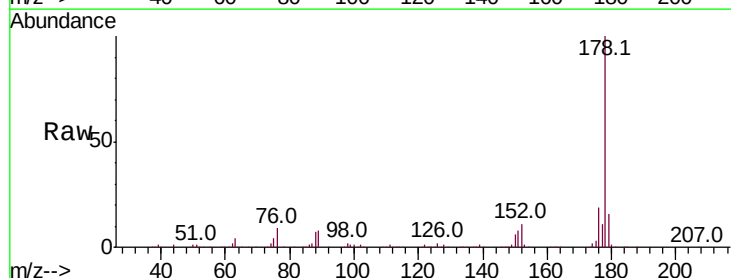
Tgt Ion:178 Resp: 873547

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

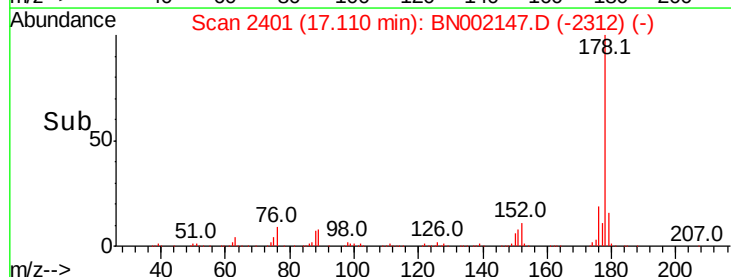
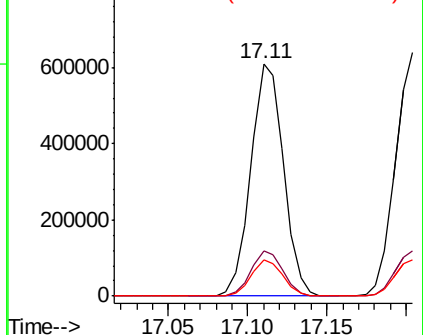
179 15.6 12.5 18.7

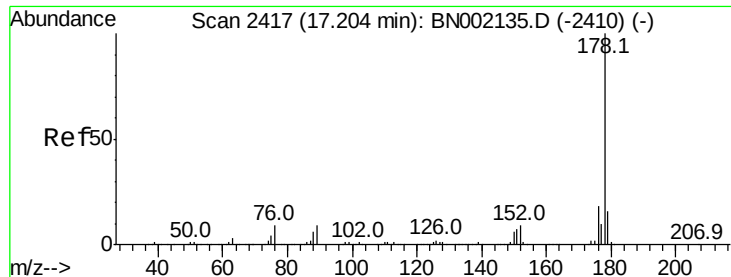


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

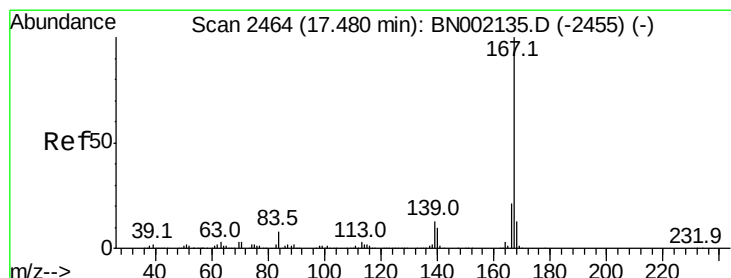
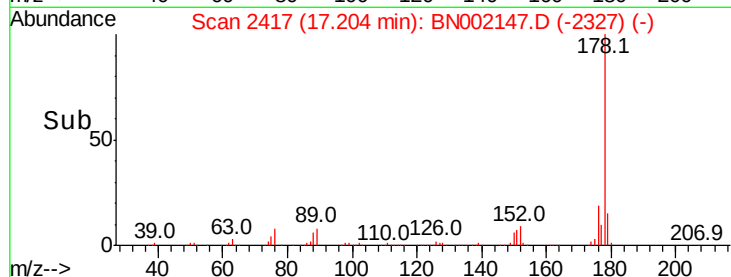
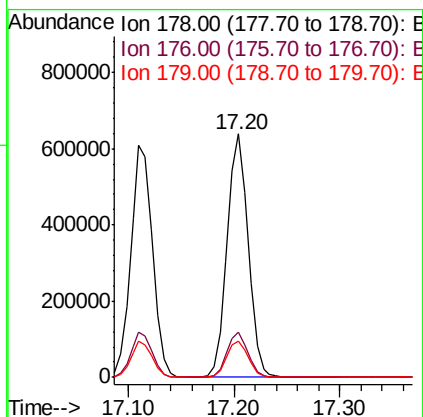
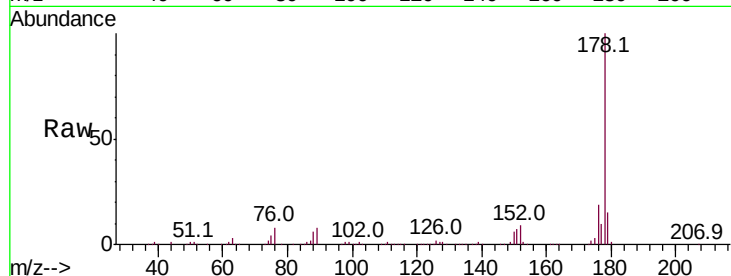




#71
 Anthracene
 Concen: 20.713 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

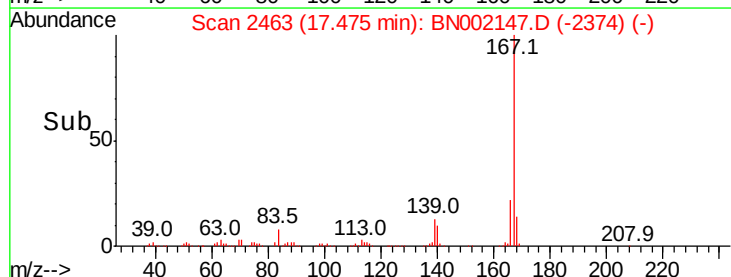
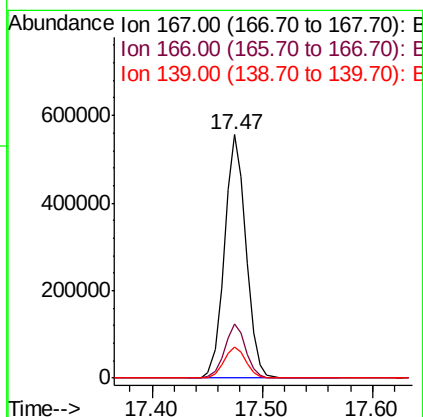
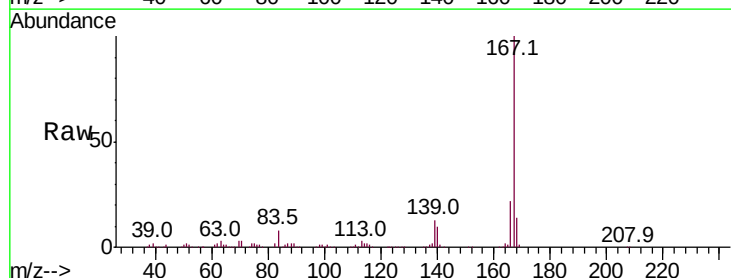
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

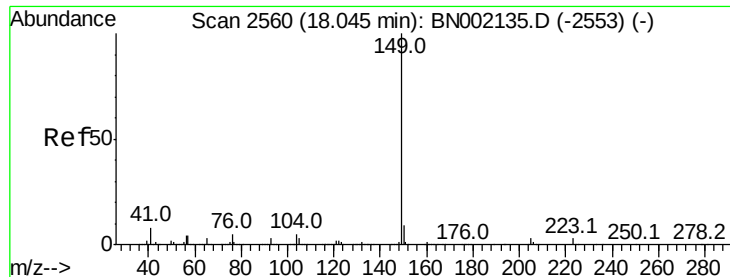
Tot Ion:178 Resp: 877377
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.0 24.0
 179 15.1 12.5 18.7



#72
 Carbazole
 Concen: 17.835 ng
 RT: 17.47 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion:167 Resp: 758018
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.2 27.4
 139 12.6 9.4 14.2

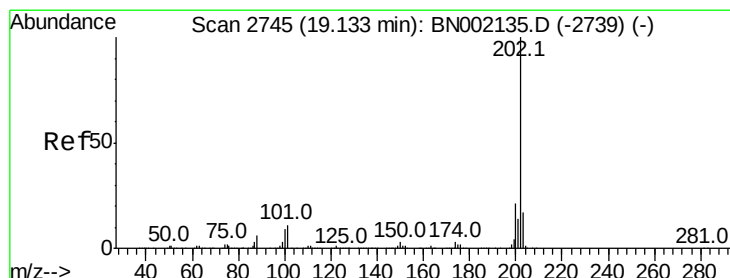
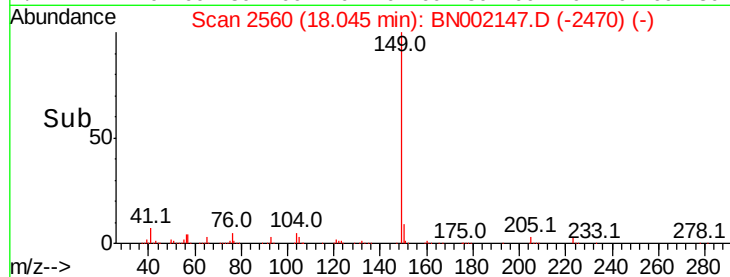
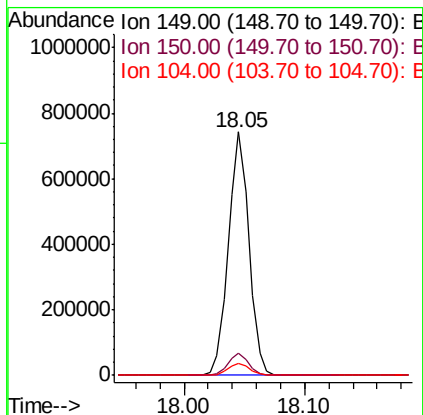
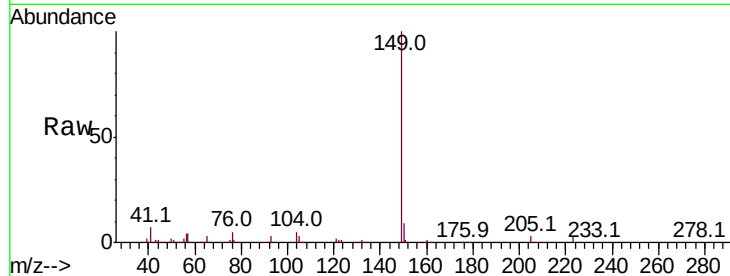




#73
Di-n-butylphthalate
Concen: 17.674 ng
RT: 18.05 min Scan# 2560
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

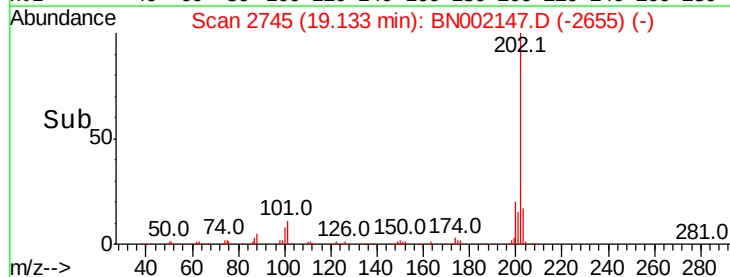
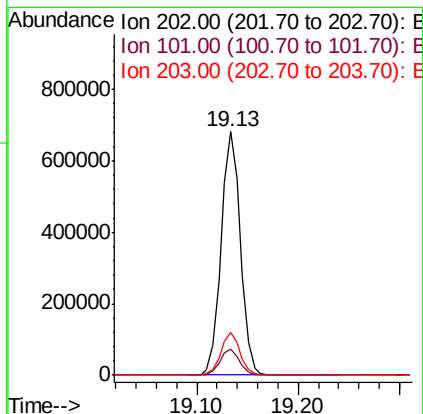
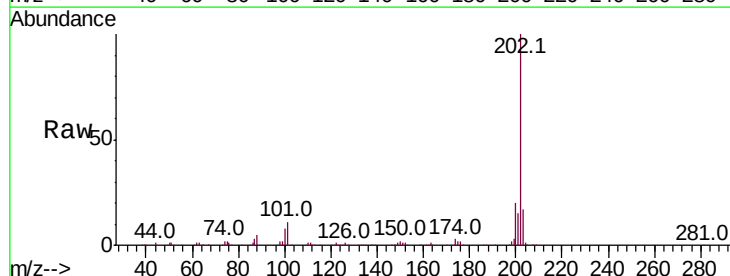
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

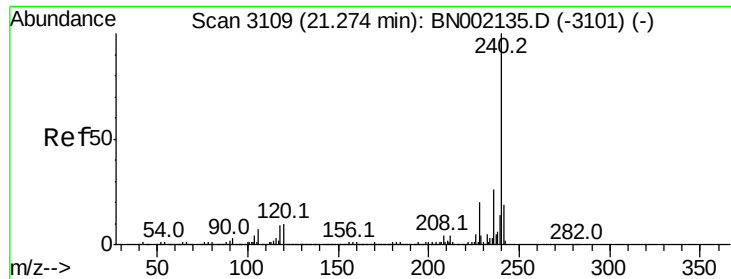
Tot Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.8	11.6
104	5.0	3.9	5.9



#74
Fluoranthene
Concen: 19.275 ng
RT: 19.13 min Scan# 2745
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	28.9
203	17.4	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

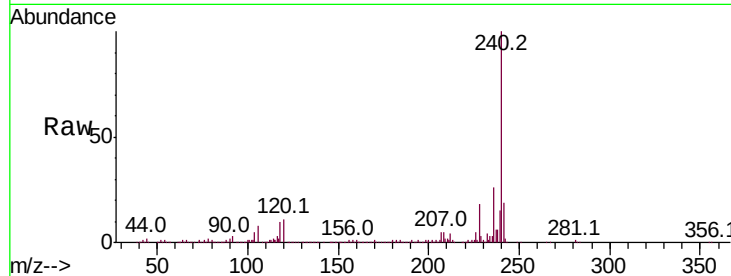
Tot Ion:240 Resp: 651977

Ion Ratio Lower Upper

240 100

120 11.0 6.8 10.2#

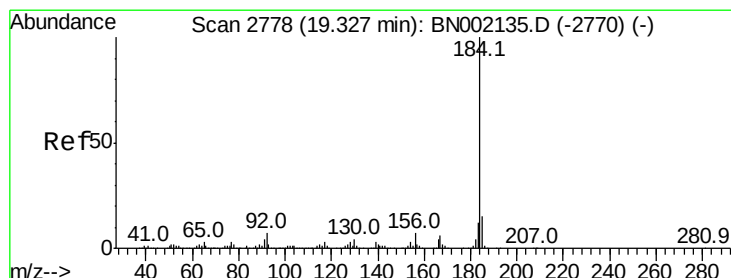
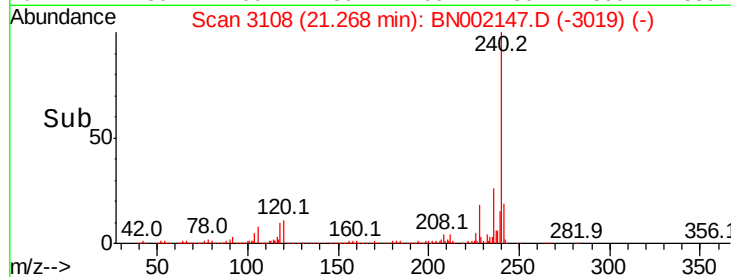
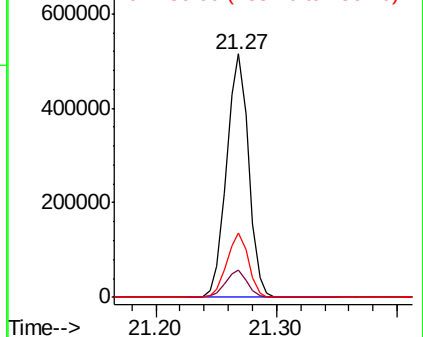
236 26.4 20.9 31.3



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



#76

Benzidine

Concen: 11.885 ng

RT: 19.32 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

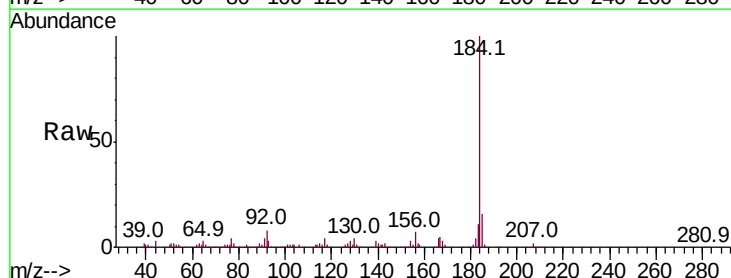
Tgt Ion:184 Resp: 252718

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

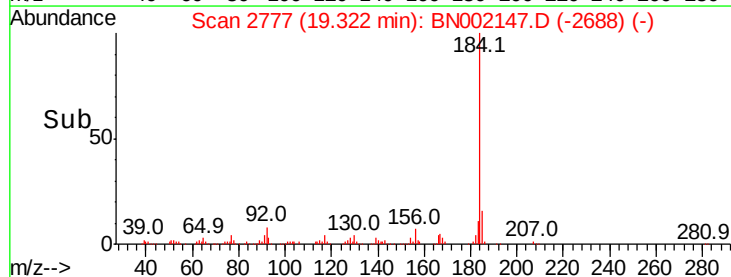
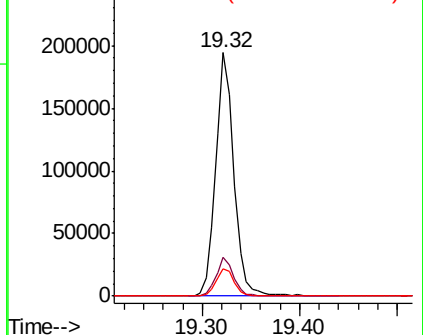
183 11.2 10.6 16.0

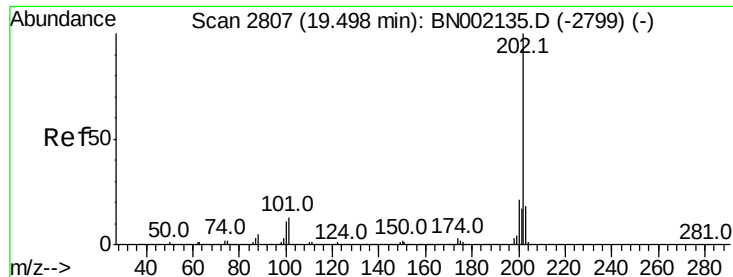


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 20.323 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

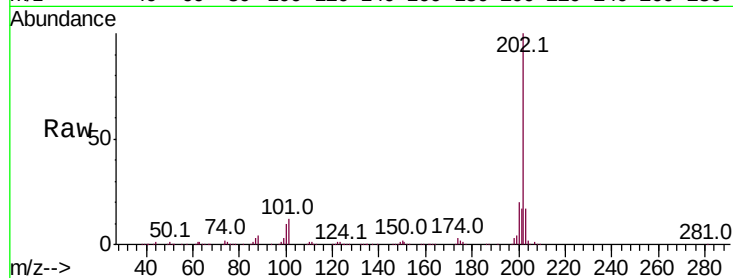
Tot Ion:202 Resp: 913753

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

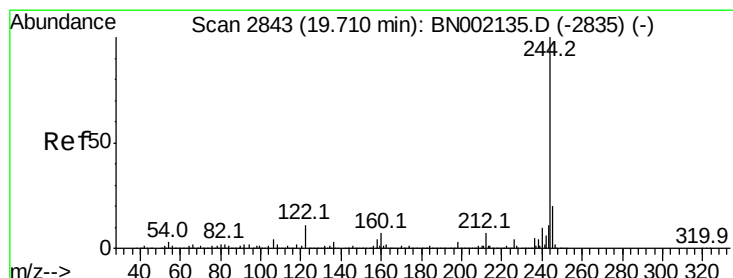
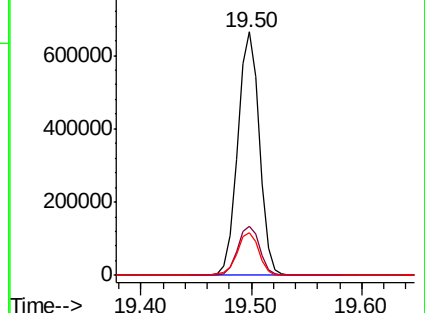
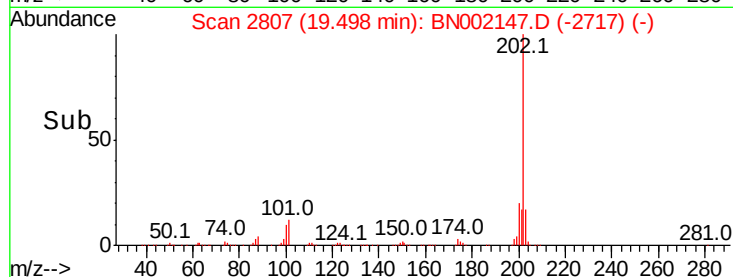
203 17.5 13.9 20.9



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



#78

Terphenyl-d14

Concen: 89.591 ng

RT: 19.71 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

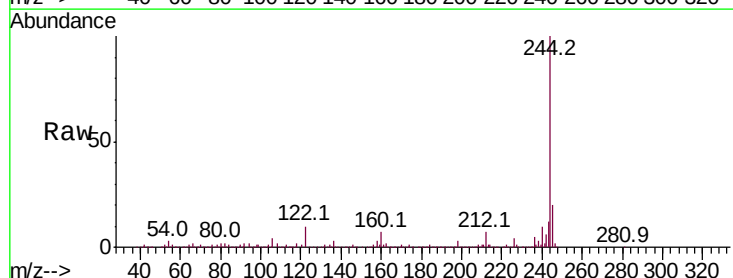
Tgt Ion:244 Resp: 2800644

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

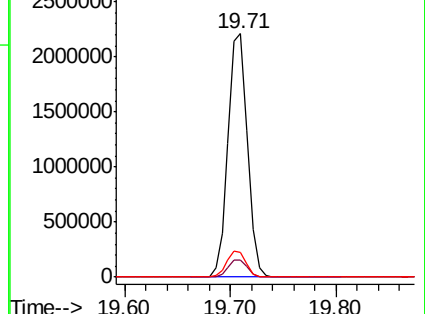
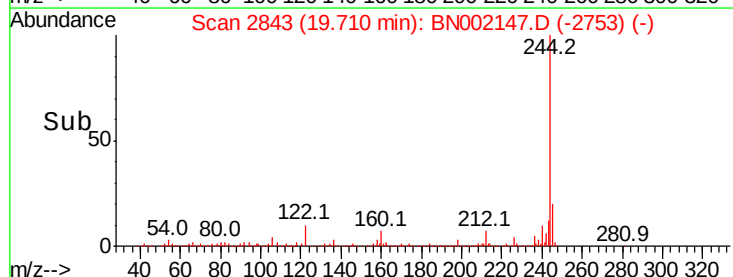
122 10.2 7.0 10.4

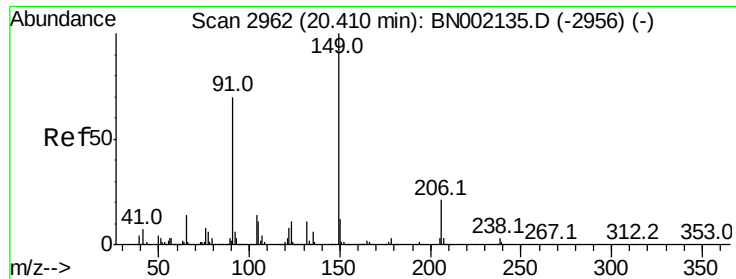


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

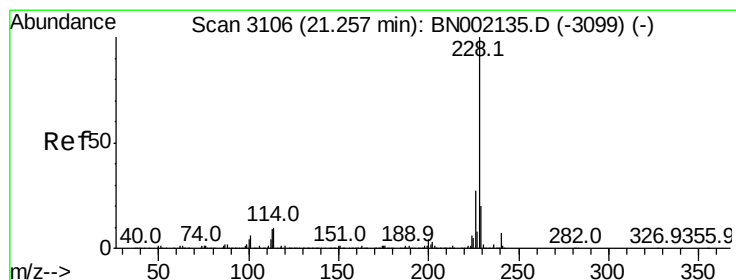
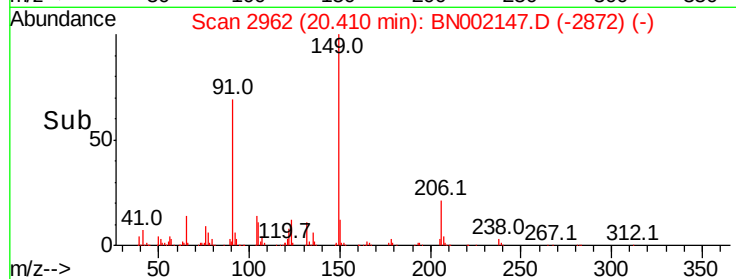
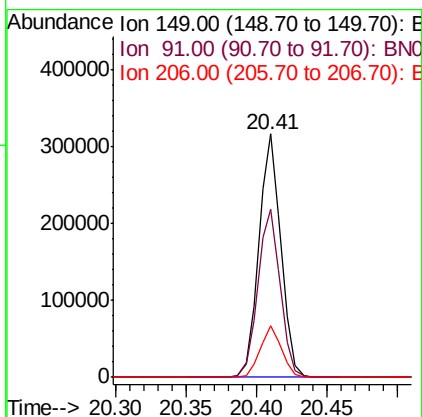
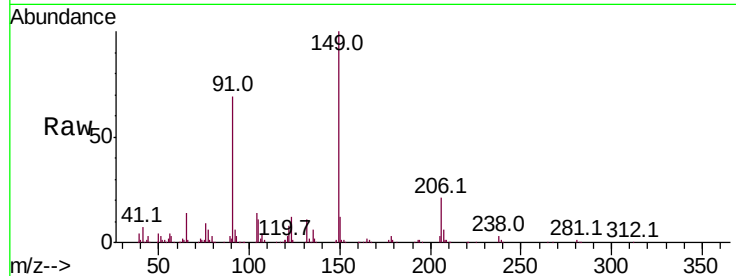




#79
Butylbenzylphthalate
Concen: 17.825 ng
RT: 20.41 min Scan# 2962
Delta R.T. -0.00 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

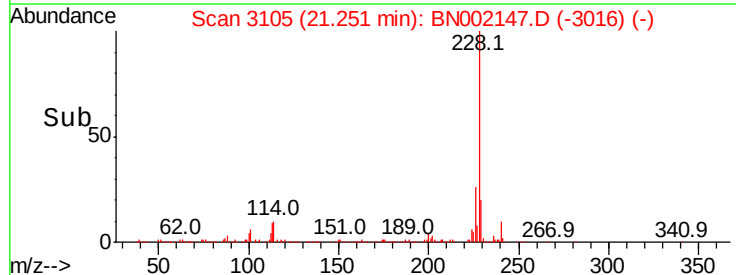
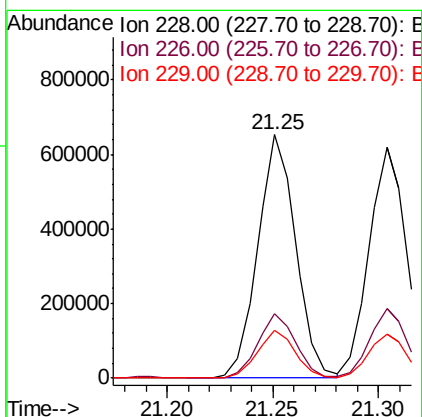
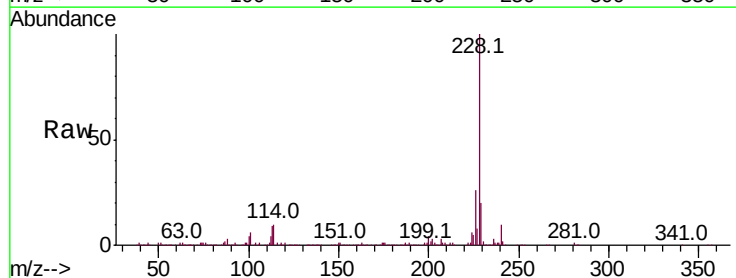
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

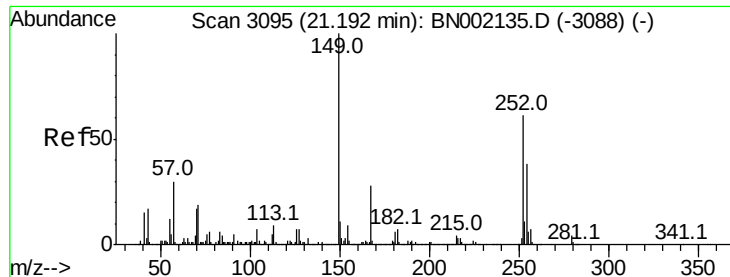
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.0	62.2	93.2
206	21.0	18.6	27.8



#80
Benzo(a)anthracene
Concen: 20.529 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN002147.D
Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.7	34.1
229	19.6	16.2	24.2

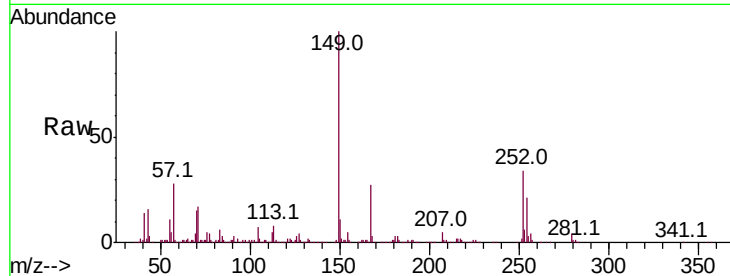




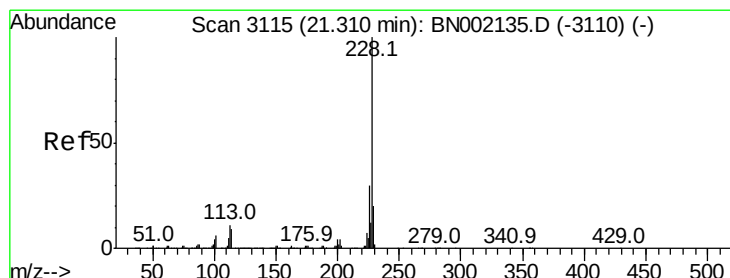
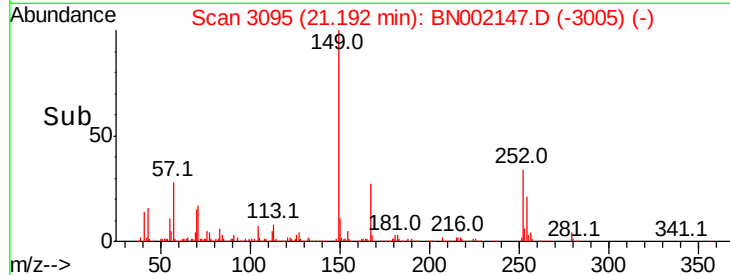
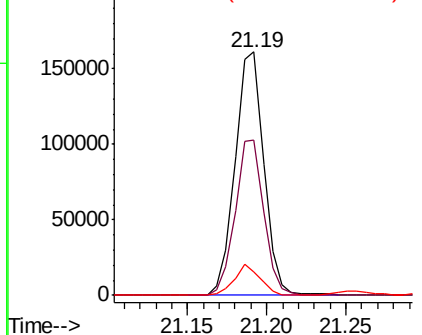
#81
 3,3'-Dichlorobenzidine
 Concen: 13.102 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.00 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.8	76.2
126	9.9	7.4	11.2

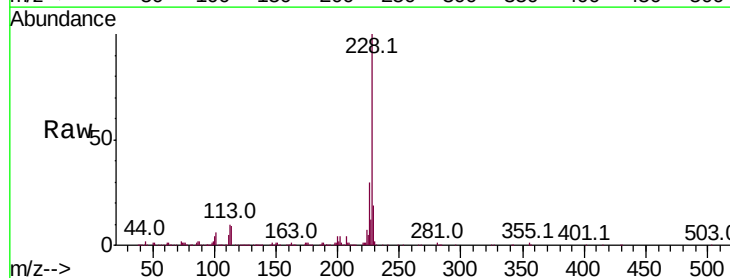


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

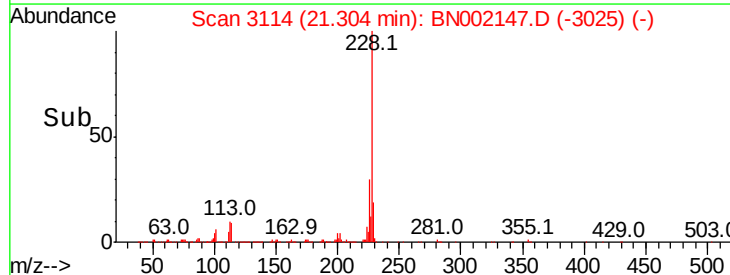
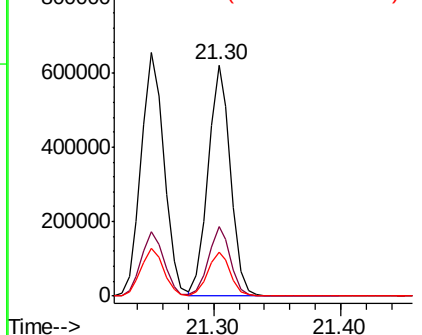


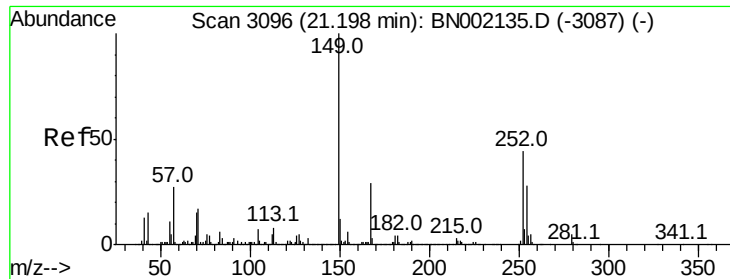
#82
 Chrysene
 Concen: 20.288 ng
 RT: 21.30 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	19.3	15.0	22.4



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

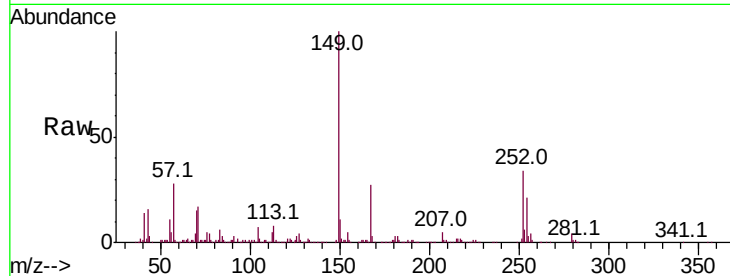




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 18.477 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	24.3	36.5
279	4.0	4.0	6.0

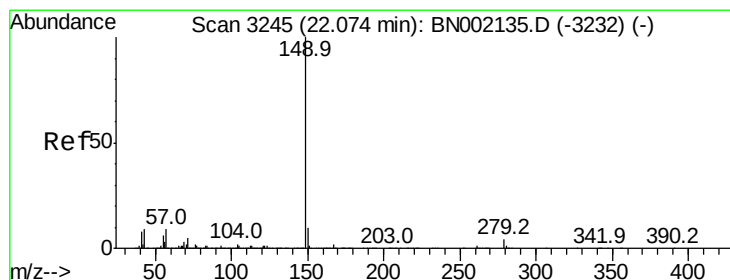
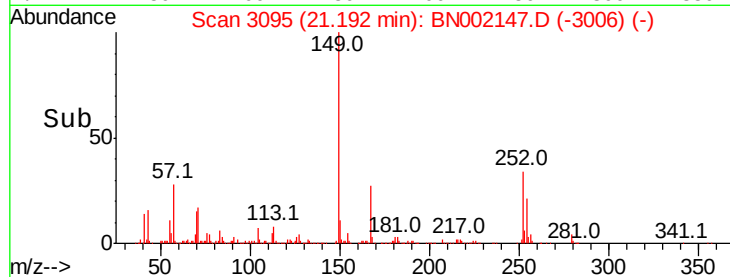
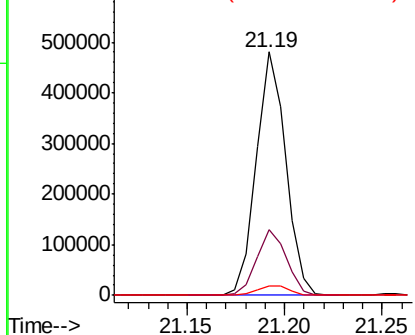


Abundance

Ion 149.00 (148.70 to 149.70): E

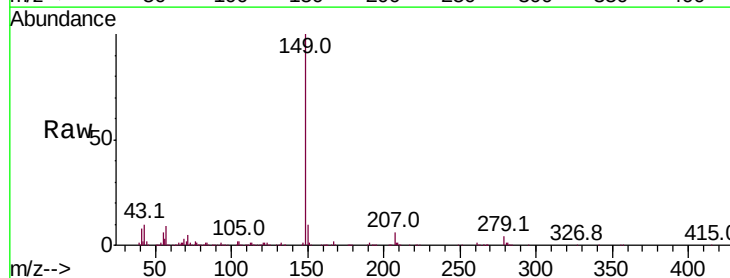
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 18.761 ng
 RT: 22.07 min Scan# 3244
 Delta R.T. -0.01 min
 Lab File: BN002147.D
 Acq: 25 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.9	8.9	13.3

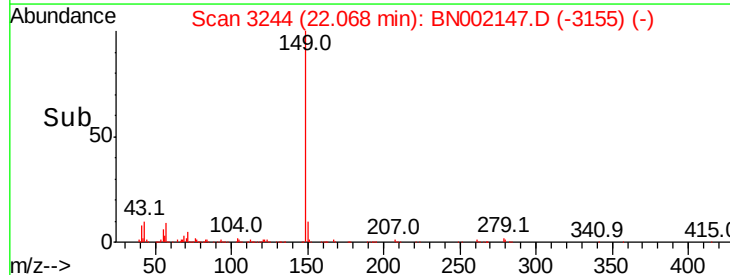
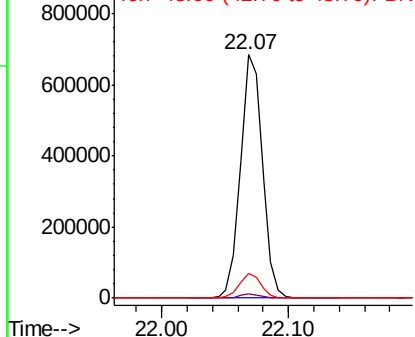


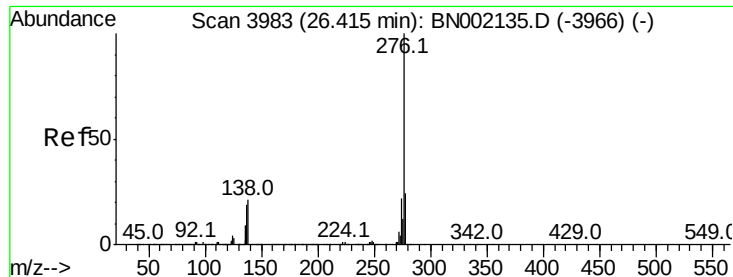
Abundance

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





#85

Indeno(1,2,3-cd)pyrene

Concen: 24.027 ng

RT: 25.72 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

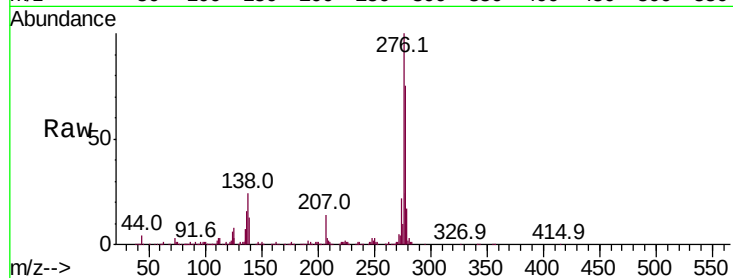
Tot Ion:276 Resp: 886293

Ion Ratio Lower Upper

276 100

138 24.9 16.0 24.0#

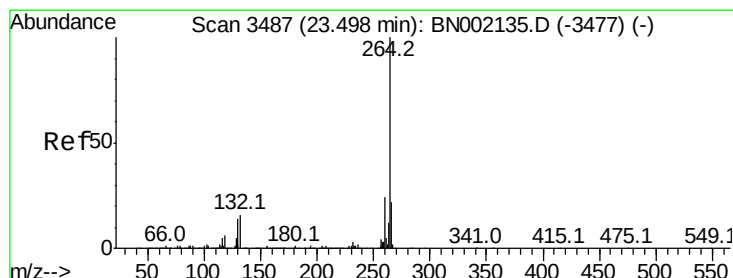
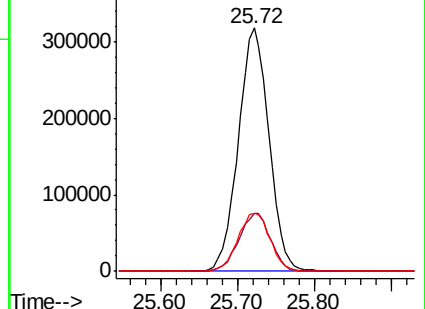
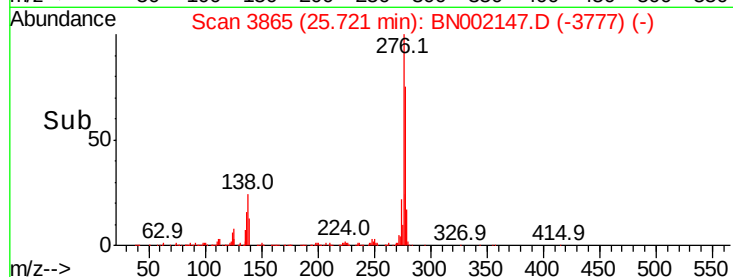
277 25.1 20.0 30.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

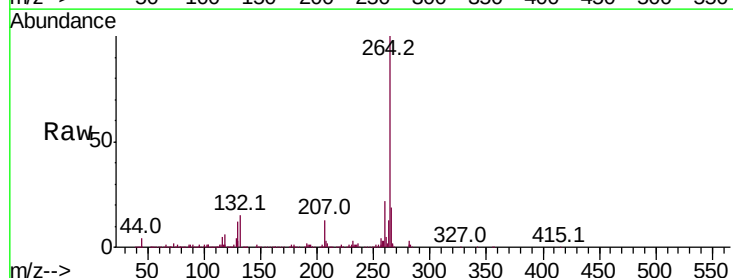
Tgt Ion:264 Resp: 627636

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

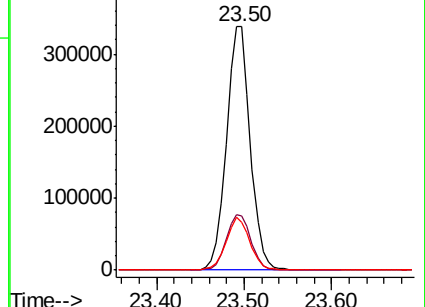
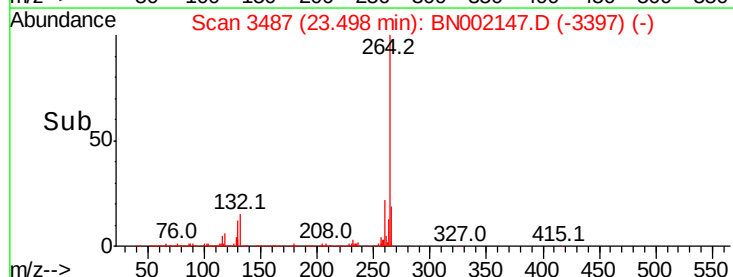
265 19.4 17.7 26.5

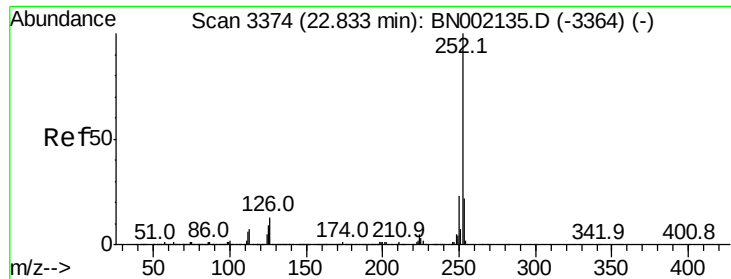


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.970 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

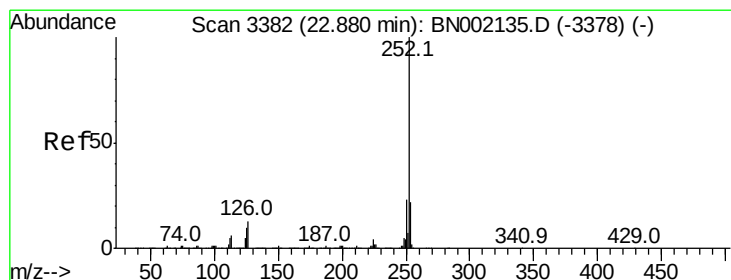
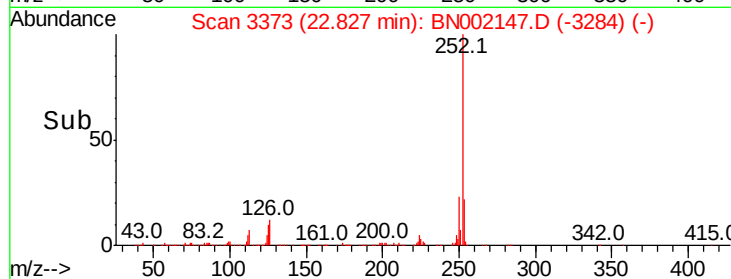
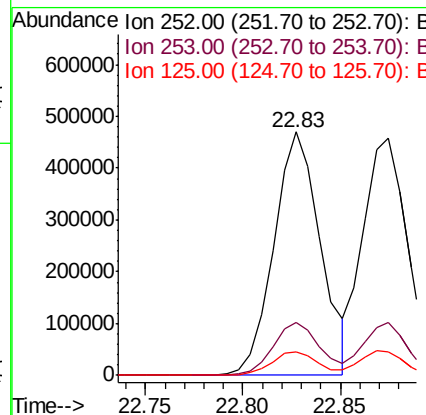
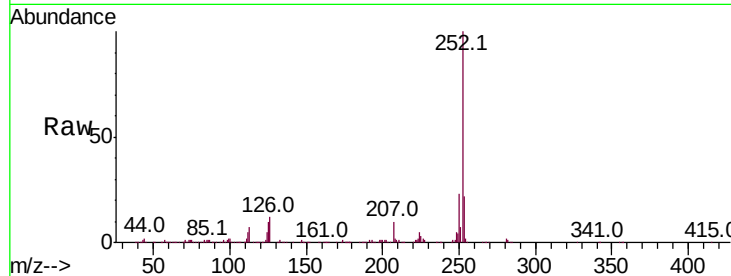
Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:252 Resp: 776747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	9.8	7.2	10.8



#88

Benzo(k)fluoranthene

Concen: 19.956 ng

RT: 22.87 min Scan# 3381

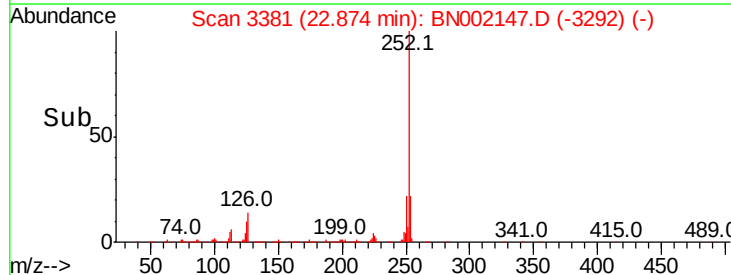
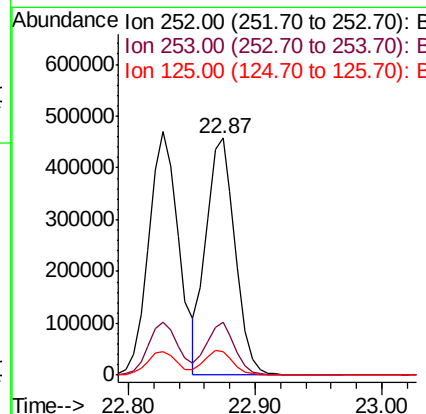
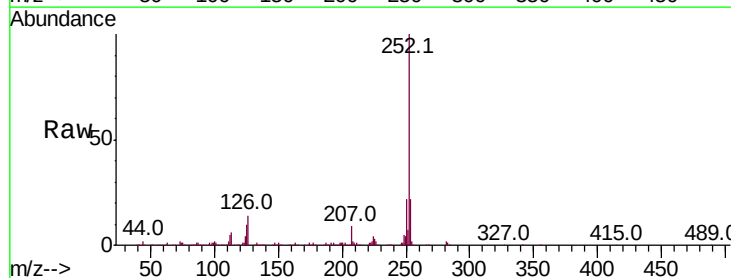
Delta R.T. -0.01 min

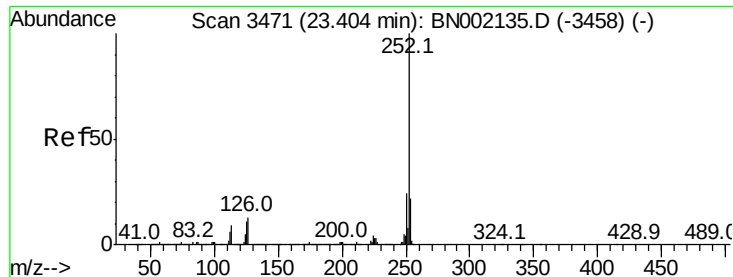
Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Tgt Ion:252 Resp: 727996

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.8	6.6	9.8





#89

Benzo(a)pyrene

Concen: 21.105 ng

RT: 23.40 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

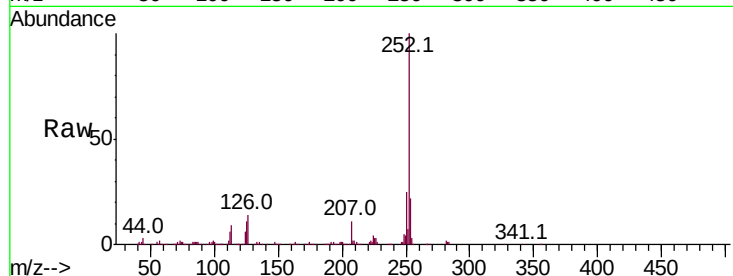
Tot Ion:252 Resp: 730103

Ion Ratio Lower Upper

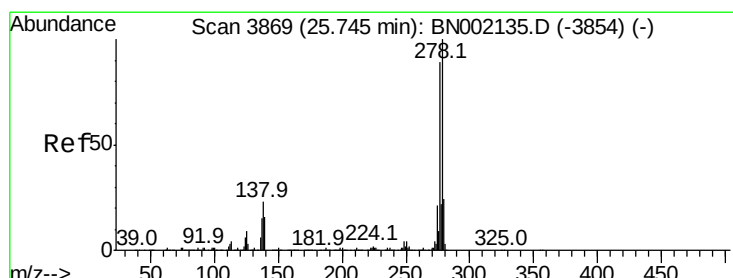
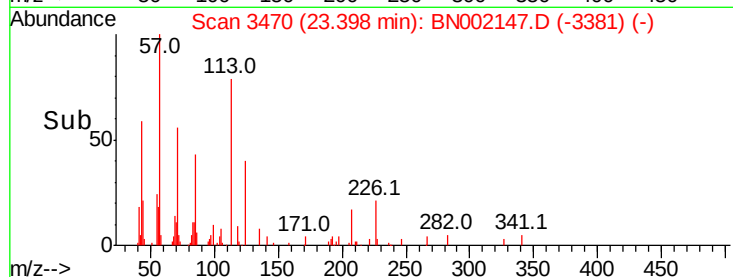
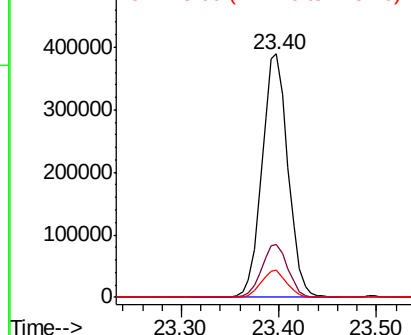
252 100

253 21.7 18.3 27.5

125 11.0 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 22.804 ng

RT: 25.73 min Scan# 3866

Delta R.T. -0.02 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

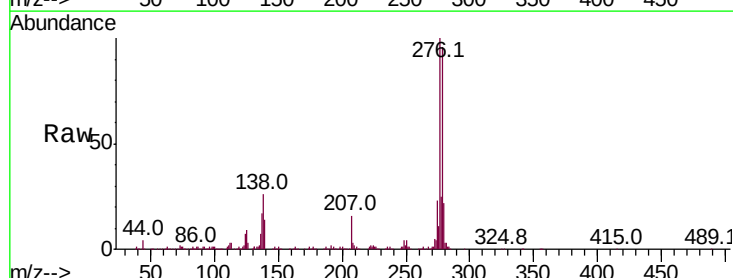
Tgt Ion:278 Resp: 740643

Ion Ratio Lower Upper

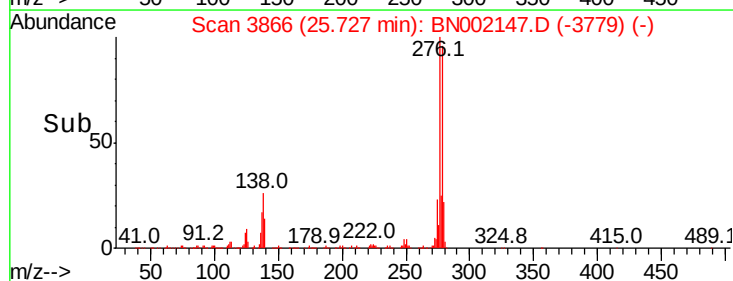
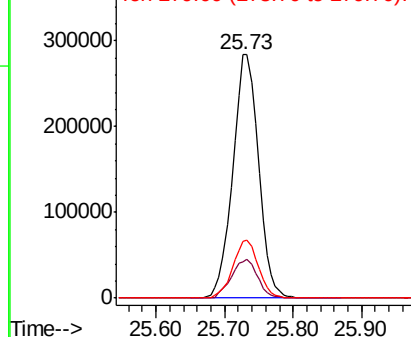
278 100

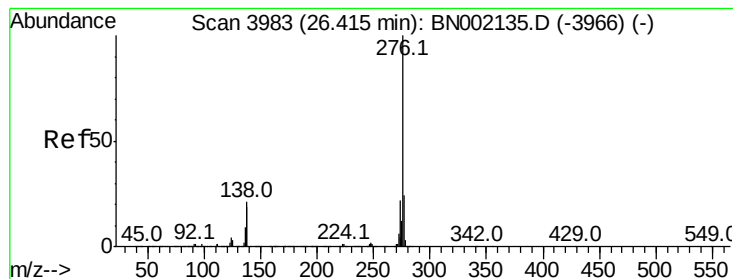
139 15.0 9.8 14.6#

279 23.1 18.4 27.6



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





#91

Benzo(a,h,i)perylene

Concen: 23.767 ng

RT: 26.40 min Scan# 3980

Delta R.T. -0.02 min

Lab File: BN002147.D

Acq: 25 Jul 2018 21:50

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:276 Resp: 745992

Ion Ratio Lower Upper

276 100

277 24.5 18.3 27.5

138 22.0 13.9 20.9#

