

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000096.D
 Acq On : 15 Feb 2018 14:41
 Operator : JU/SJ
 Sample : J1161-03
 Misc : 8 PPM MDL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Quant Time: Feb 16 07:10:05 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	220486	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1132544	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	701931	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	1649559	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2051268	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2275721	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.93	112	1742197	128.78	ng	-0.01
7) Phenol-d6	7.58	99	2636019	128.63	ng	-0.01
23) Nitrobenzene-d5	9.64	82	1795181	94.24	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	908622	130.77	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	4809047	96.56	ng	-0.01
78) Terphenyl-d14	20.35	244	7080186	93.20	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	40608	7.460	ng	98
3) Pyridine	4.12	79	116963	6.902	ng	97
4) n-Nitrosodimethylamine	4.01	42	31755	6.626	ng	99
6) Aniline	7.77	93	191914	6.798	ng	# 89
8) 2-Chlorophenol	8.01	128	114520	7.239	ng	89
9) Benzaldehyde	7.58	77	64034	5.023	ng	89
10) Phenol	7.61	94	156622	7.240	ng	89
11) bis(2-Chloroethyl)ether	7.86	93	126865	7.131	ng	# 81
12) 1,3-Dichlorobenzene	8.35	146	131522	7.316	ng	96
13) 1,4-Dichlorobenzene	8.50	146	136030	7.410	ng	95
14) 1,2-Dichlorobenzene	8.82	146	135661	7.507	ng	99
15) Benzyl Alcohol	8.69	79	89667	6.088	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.99	45	135716	7.207	ng	79
17) 2-Methylphenol	8.89	107	97139	6.319	ng	96
18) Hexachloroethane	9.57	117	41300	6.463	ng	# 82
19) n-Nitroso-di-n-propylamine	9.26	70	81767	5.955	ng	# 85
20) 3+4-Methylphenols	9.22	107	134837	6.272	ng	96
22) Acetophenone	9.29	105	213981	6.742	ng	# 86
24) Nitrobenzene	9.68	77	156186	7.500	ng	96
25) Isophorone	10.20	82	226913	5.763	ng	96
26) 2-Nitrophenol	10.40	139	37048	10.883	ng	94
27) 2,4-Dimethylphenol	10.44	122	99212	5.812	ng	92
28) bis(2-Chloroethoxy)methane	10.68	93	170462	6.750	ng	97
29) 2,4-Dichlorophenol	10.93	162	82125	5.198	ng	98
30) 1,2,4-Trichlorobenzene	11.16	180	129720	7.130	ng	96
31) Naphthalene	11.35	128	453303	7.301	ng	98
32) Benzoic acid	10.48	122	24732	12.065	ng	# 82
33) 4-Chloroaniline	11.45	127	168673	6.184	ng	94
34) Hexachlorobutadiene	11.63	225	65805	6.975	ng	95
35) Caprolactam	12.17	113	26700	7.561	ng	98
36) 4-Chloro-3-methylphenol	12.53	107	105609	5.265	ng	96
37) 2-Methylnaphthalene	12.93	142	305702	7.076	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.29	216	146125	7.053	ng	# 96
40) Hexachlorocyclopentadiene	13.26	237	45241	5.238	ng	95

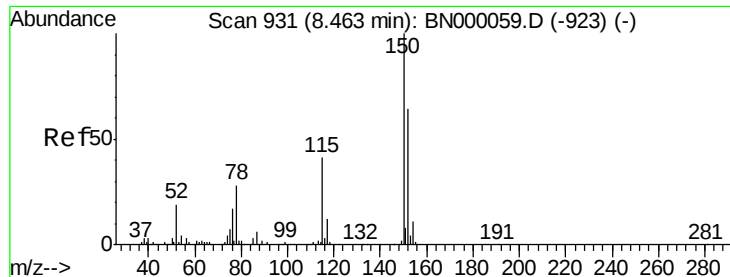
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	57604	4.639	ng	98
43) 2,4,5-Trichlorophenol	13.58	196	79418	5.320	ng	# 90
45) 1,1'-Biphenyl	13.91	154	456645	7.387	ng	98
46) 2-Chloronaphthalene	13.96	162	330844	7.132	ng	98
47) 2-Nitroaniline	14.15	65	53516	8.412	ng	89
48) Acenaphthylene	14.80	152	494231	6.613	ng	98
49) Dimethylphthalate	14.50	163	395088	6.733	ng	98
50) 2,6-Dinitrotoluene	14.63	165	59508	4.913	ng	91
51) Acenaphthene	15.13	154	343699	7.065	ng	99
52) 3-Nitroaniline	14.96	138	74975	5.092	ng	# 95
53) 2,4-Dinitrophenol	15.16	184	14687	12.252	ng	# 23
54) Dibenzofuran	15.46	168	522521	7.584	ng	97
55) 4-Nitrophenol	15.23	139	47843	8.695	ng	# 86
56) 2,4-Dinitrotoluene	15.40	165	72156	7.981	ng	96
57) Fluorene	16.10	166	419307	7.454	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.67	232	63731	5.410	ng	# 82
59) Diethylphthalate	15.85	149	392177	6.577	ng	95
60) 4-Chlorophenyl-phenylether	16.09	204	191880	7.485	ng	94
61) 4-Nitroaniline	16.10	138	80013	5.289	ng	97
62) Azobenzene	16.38	77	398721	6.717	ng	90
64) 4,6-Dinitro-2-methylphenol	16.16	198	27794	11.620	ng	92
65) n-Nitrosodiphenylamine	16.30	169	346673	6.459	ng	94
66) 4-Bromophenyl-phenylether	16.97	248	101428	6.466	ng	# 83
67) Hexachlorobenzene	17.10	284	126110	6.884	ng	# 86
68) Atrazine	17.22	200	85690	4.905	ng	93
69) Pentachlorophenol	17.43	266	49756	9.488	ng	99
70) Phenanthrene	17.83	178	721230	7.402	ng	99
71) Anthracene	17.92	178	635920	6.740	ng	98
72) Carbazole	18.18	167	664354	6.990	ng	96
73) Di-n-butylphthalate	18.72	149	543005	5.175	ng	# 97
74) Fluoranthene	19.81	202	746454	7.302	ng	95
76) Benzidine	19.97	184	175956	2.691	ng	94
77) Pyrene	20.17	202	858747	6.587	ng	99
79) Butylbenzylphthalate	21.02	149	210477	8.398	ng	# 92
80) Benzo(a)anthracene	21.89	228	897172	7.116	ng	96
81) 3,3'-Dichlorobenzidine	21.81	252	244861	5.288	ng	# 96
82) Chrysene	21.94	228	938219	7.467	ng	98
83) Bis(2-ethylhexyl)phthalate	21.79	149	373863	6.730	ng	# 93
84) Di-n-octyl phthalate	22.74	149	536643	9.371	ng	97
85) Indeno(1,2,3-cd)pyrene	26.94	276	1154077	7.477	ng	# 87
87) Benzo(b)fluoranthene	23.63	252	946866	7.108	ng	# 94
88) Benzo(k)fluoranthene	23.68	252	939805	7.005	ng	# 95
89) Benzo(a)pyrene	24.28	252	868087	6.796	ng	# 92
90) Dibenzo(a,h)anthracene	26.96	278	973515	7.288	ng	# 93
91) Benzo(g,h,i)perylene	27.73	276	970442	7.184	ng	# 88

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

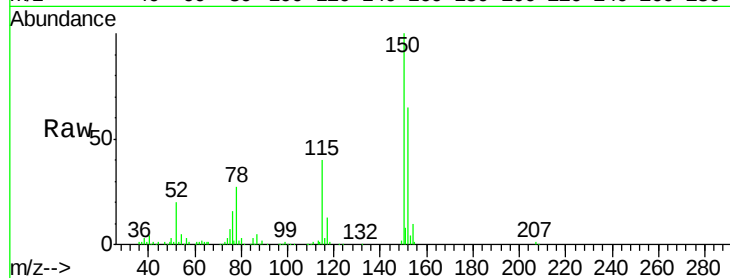


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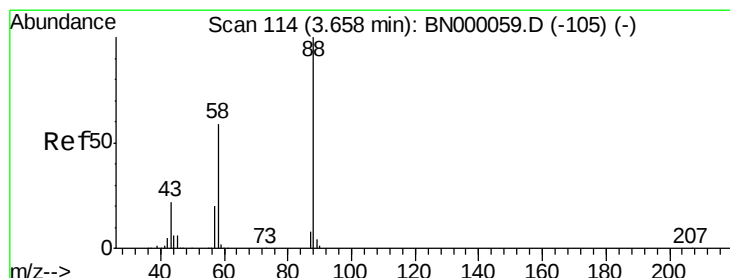
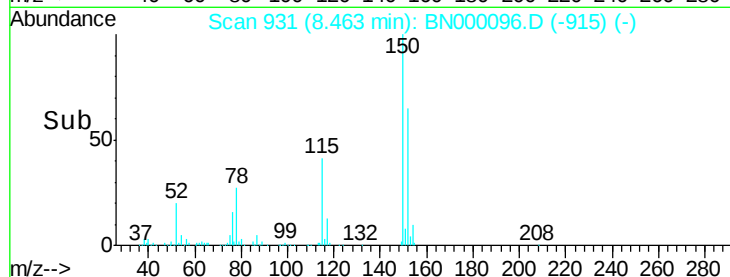
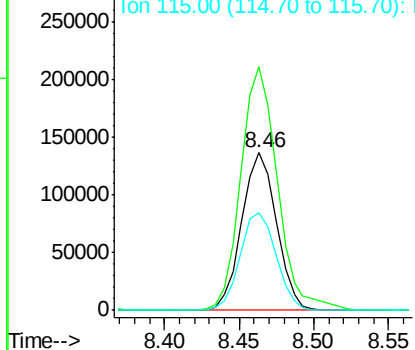
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:152 Resp: 220486
Ion Ratio Lower Upper
152 100
150 154.7 126.6 189.8
115 62.2 53.0 79.4



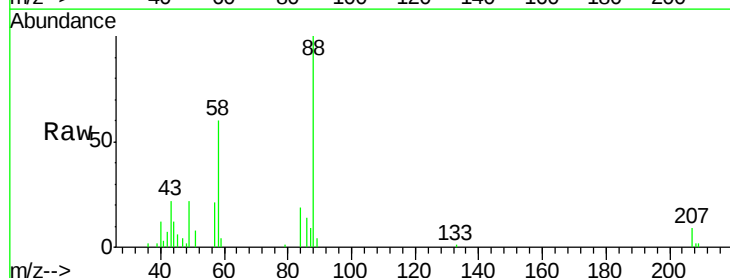
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



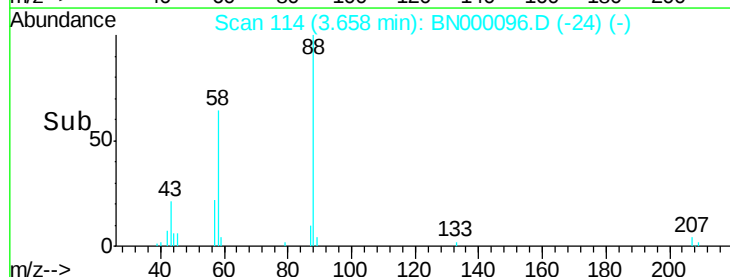
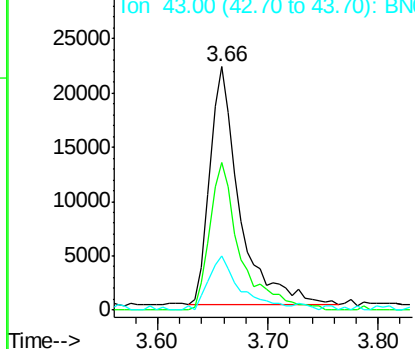
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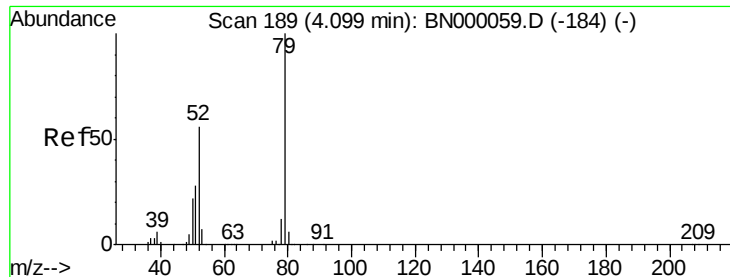
1,4-Dioxane
Concen: 7.460 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion: 88 Resp: 40608
Ion Ratio Lower Upper
88 100
58 63.7 52.0 78.0
43 24.2 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: 6.902 ng

RT: 4.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

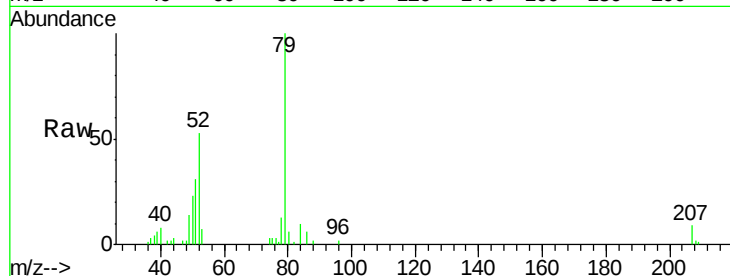
Tot Ion: 79 Resp: 116963

Ion Ratio Lower Upper

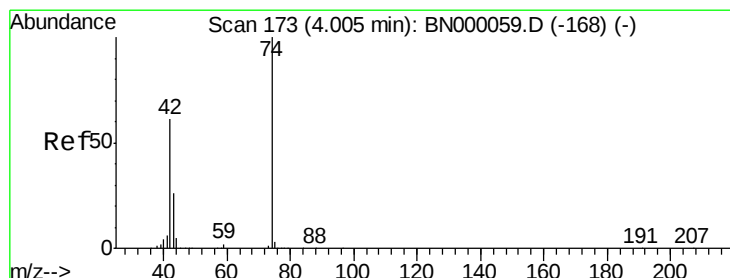
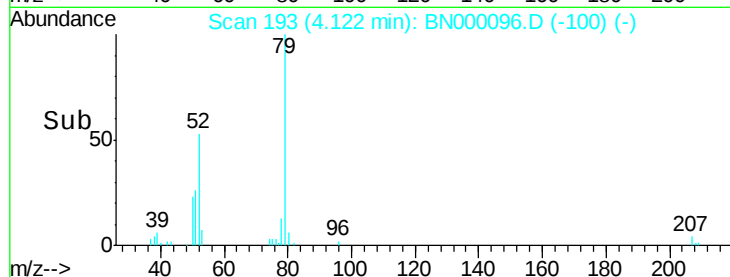
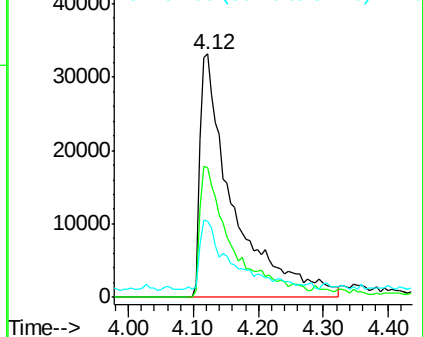
79 100

52 53.1 44.0 66.0

51 31.2 24.0 36.0



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 52.00 (51.70 to 52.70): BN0
Ion 51.00 (50.70 to 51.70): BN0



#4

n-Nitrosodimethylamine

Concen: 6.626 ng

RT: 4.01 min Scan# 174

Delta R.T. 0.00 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

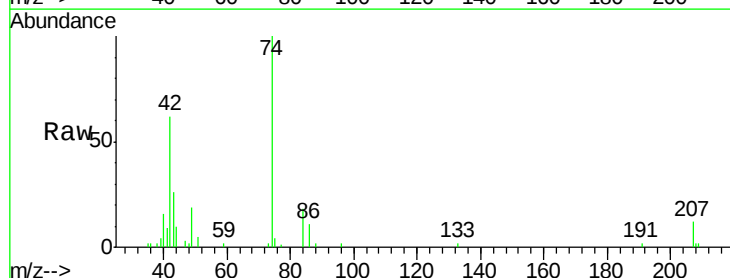
Tgt Ion: 42 Resp: 31755

Ion Ratio Lower Upper

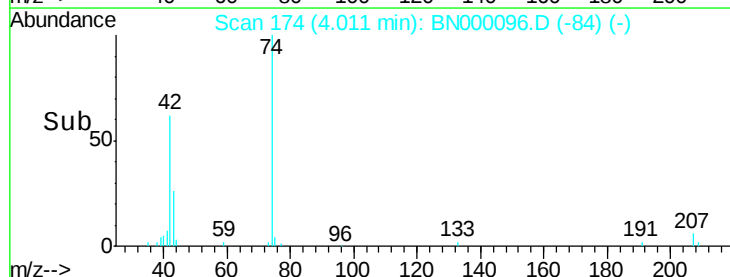
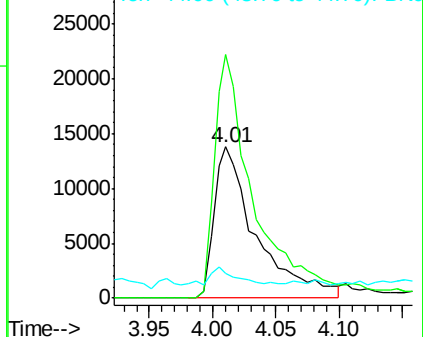
42 100

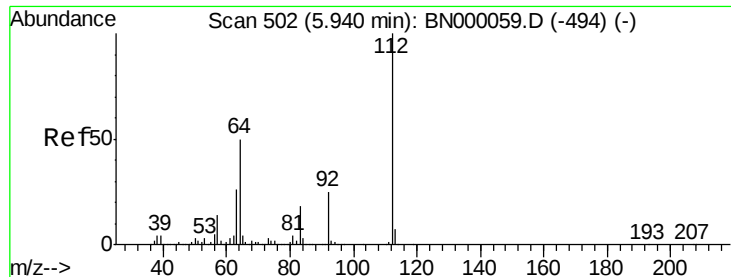
74 161.2 128.0 192.0

44 16.1 12.0 18.0



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0





#5

2-Fluorophenol

Concen: 128.778 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

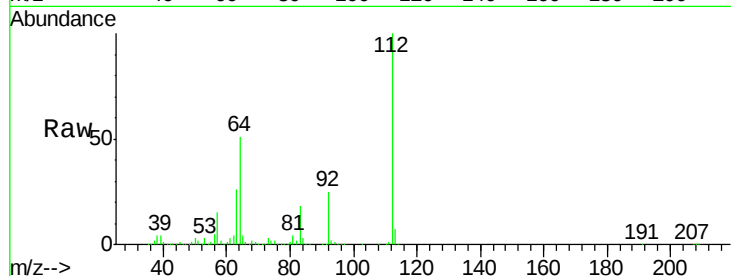
Tot Ion:112 Resp: 1742197

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

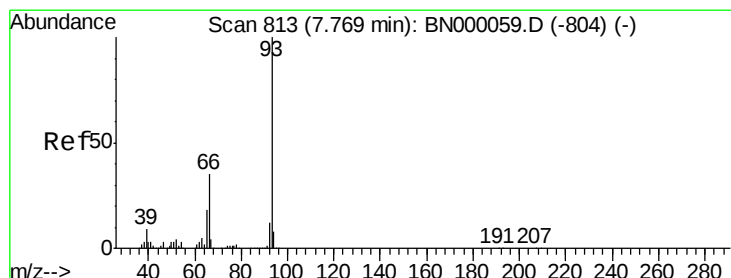
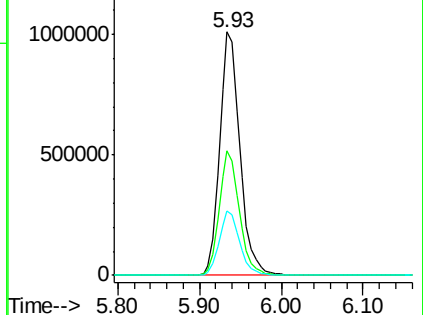
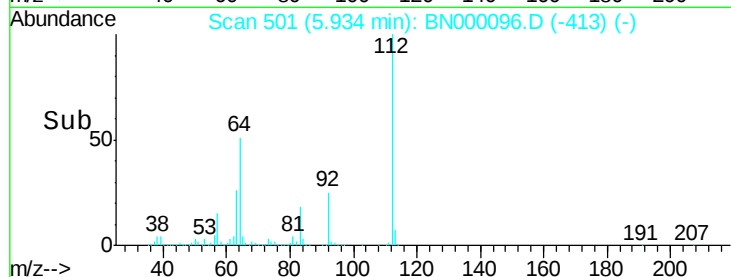
63 26.3 30.1 45.1#



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: 6.798 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

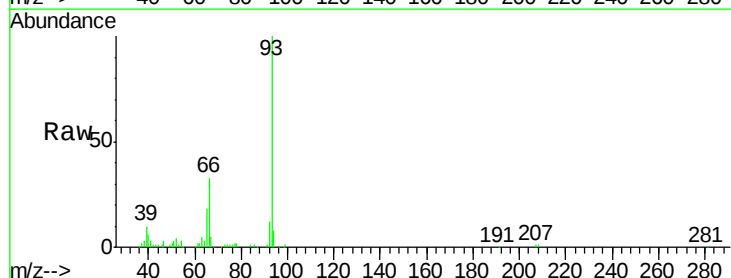
Tgt Ion: 93 Resp: 191914

Ion Ratio Lower Upper

93 100

66 32.7 33.7 50.5#

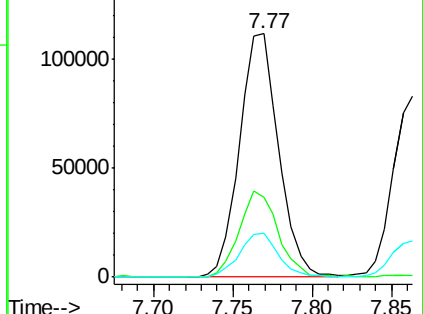
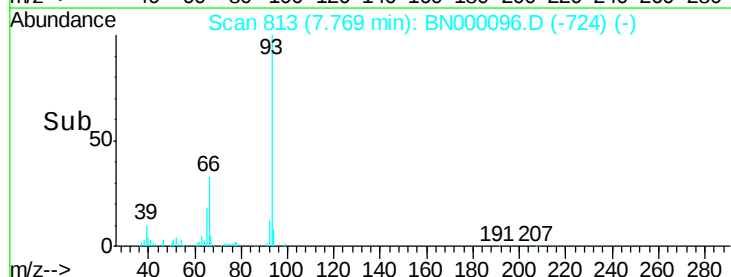
65 18.1 16.1 24.1

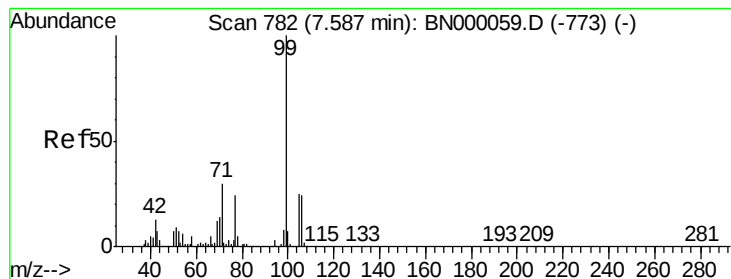


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 128.632 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

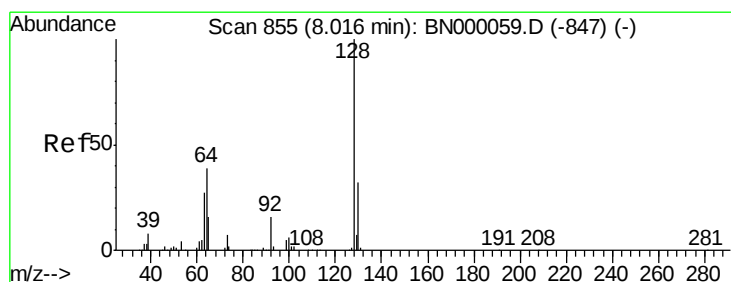
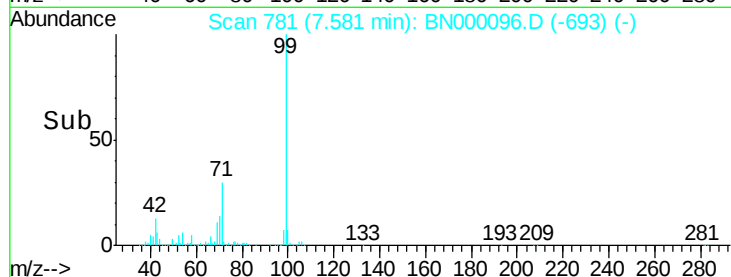
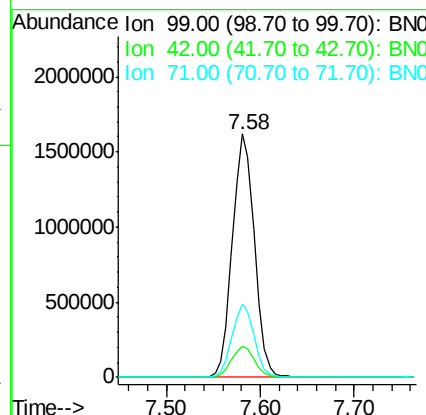
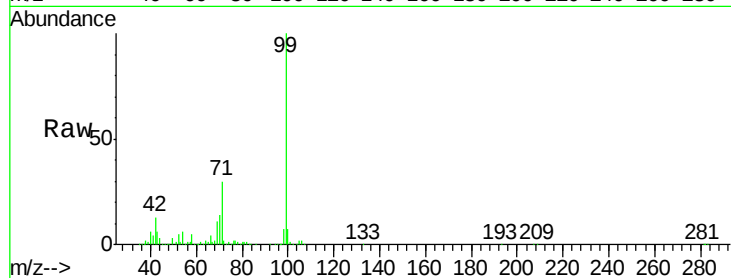
BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion: 99 Resp: 2636019

Ion	Ratio	Lower	Upper
99	100		
42	12.9	14.1	21.1#
71	30.0	26.1	39.1



#8

2-Chlorophenol

Concen: 7.239 ng

RT: 8.01 min Scan# 854

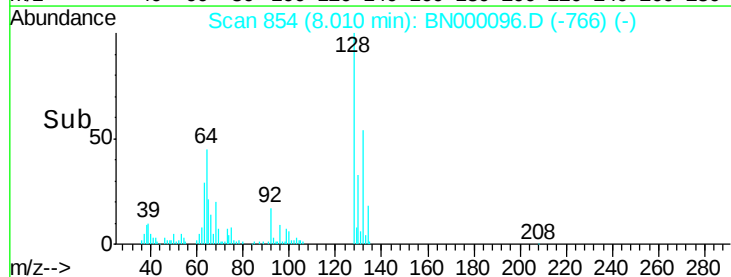
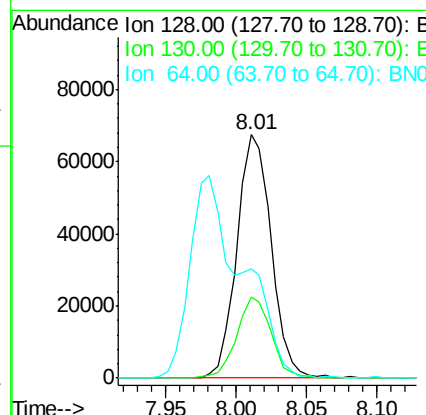
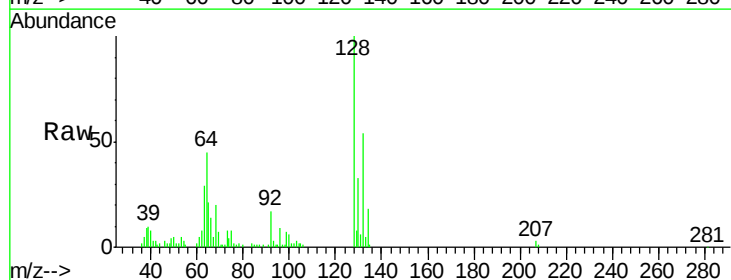
Delta R.T. -0.01 min

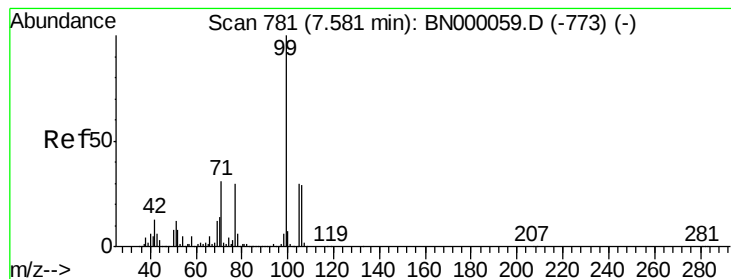
Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion: 128 Resp: 114520

Ion	Ratio	Lower	Upper
128	100		
130	33.1	14.0	54.0
64	45.1	37.7	77.7





#9

Benzaldehyde

Concen: 5.023 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

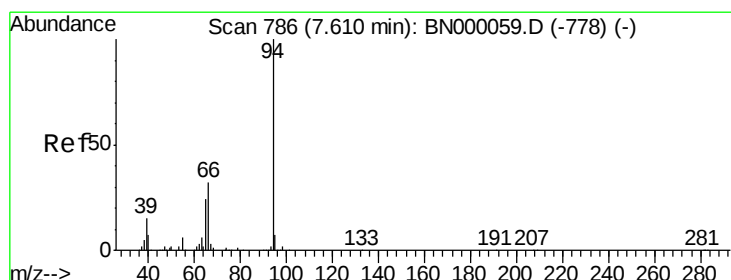
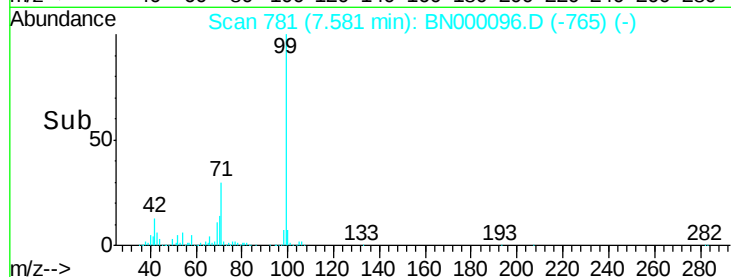
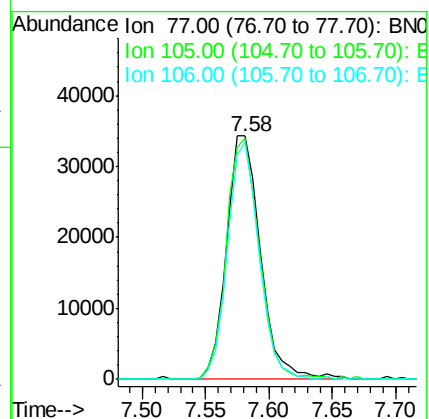
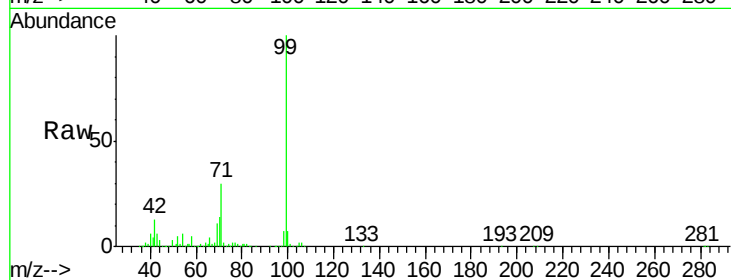
Tot Ion: 77 Resp: 64034

Ion Ratio Lower Upper

77 100

105 98.9 71.3 111.3

106 97.4 64.2 104.2



#10

Phenol

Concen: 7.240 ng

RT: 7.61 min Scan# 786

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

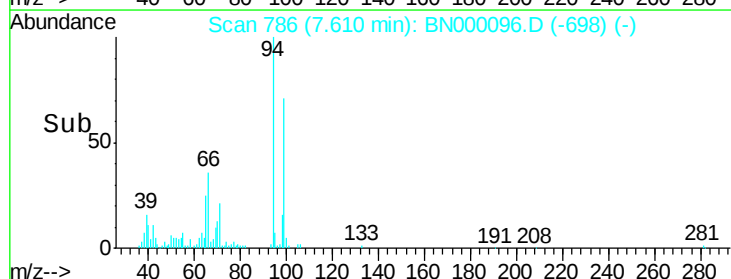
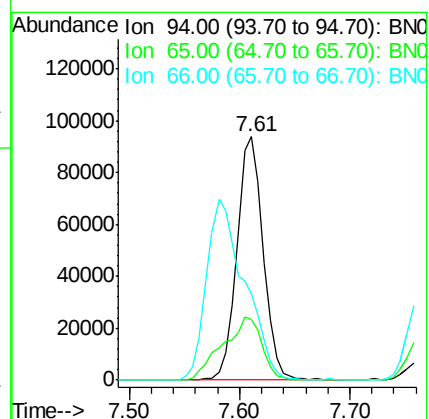
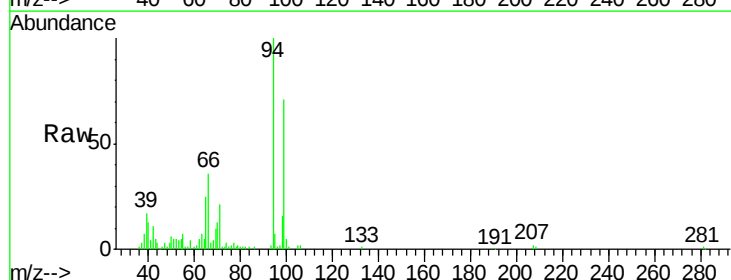
Tgt Ion: 94 Resp: 156622

Ion Ratio Lower Upper

94 100

65 24.9 11.9 51.9

66 35.5 22.2 62.2

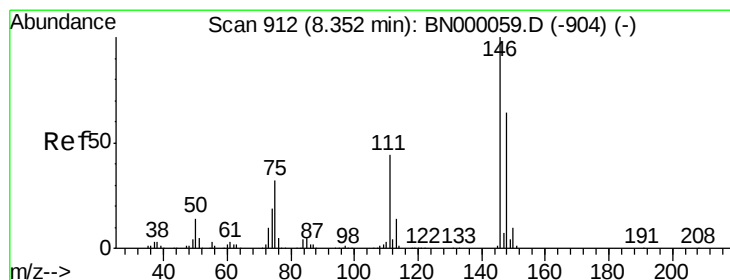
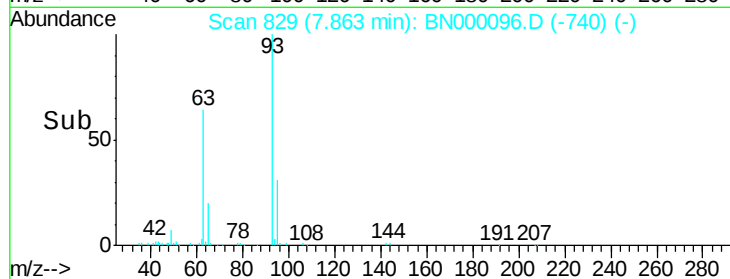
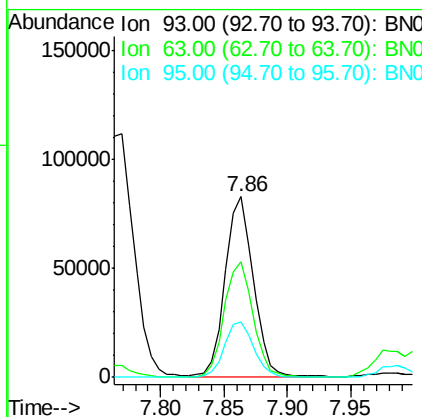
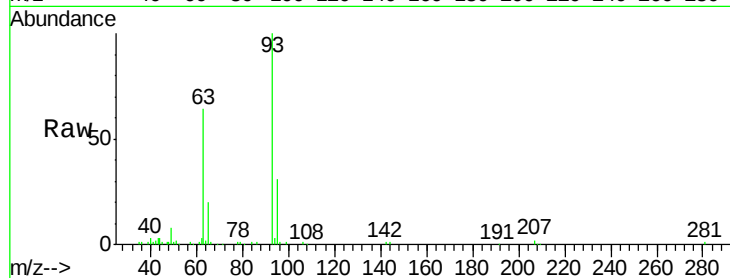




#11
bis(2-Chloroethyl)ether
Concen: 7.131 ng
RT: 7.86 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

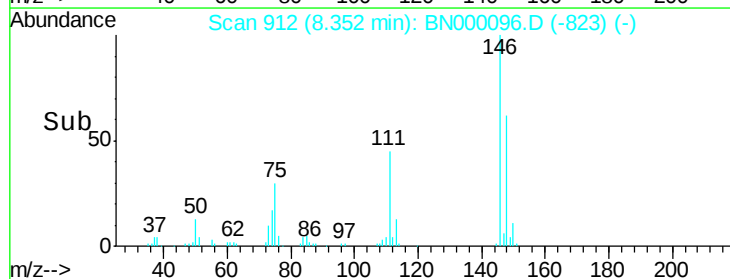
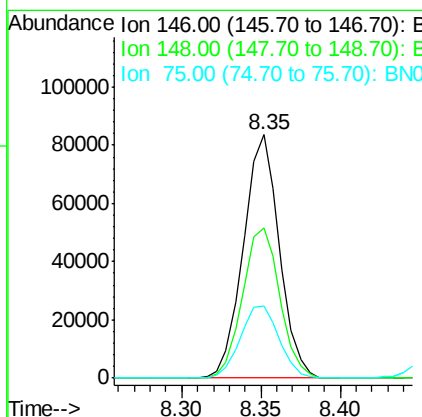
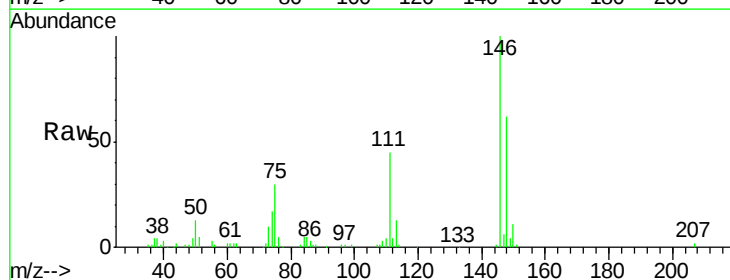
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	93	Resp	126865
Ion Ratio	Lower	Upper	
93	100		
63	63.8	67.1	107.1#
95	30.8	11.5	51.5



#12
1,3-Dichlorobenzene
Concen: 7.316 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion	146	Resp	131522
Ion Ratio	Lower	Upper	
146	100		
148	61.7	51.4	77.2
75	29.7	26.6	39.8

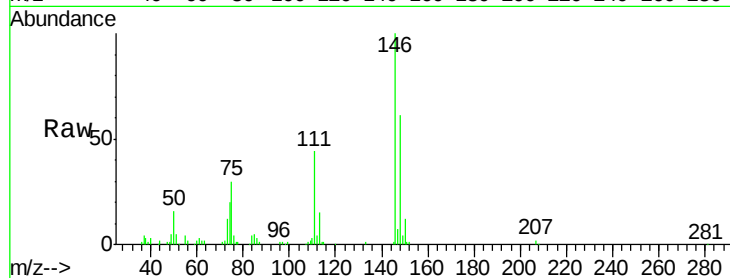




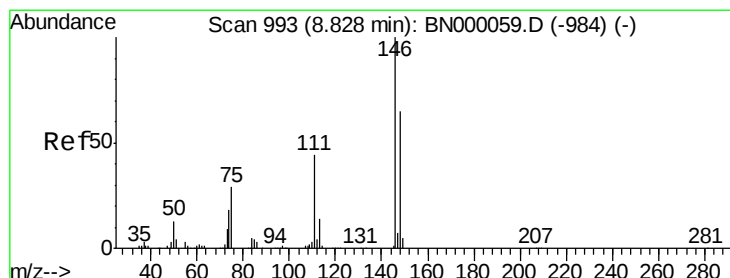
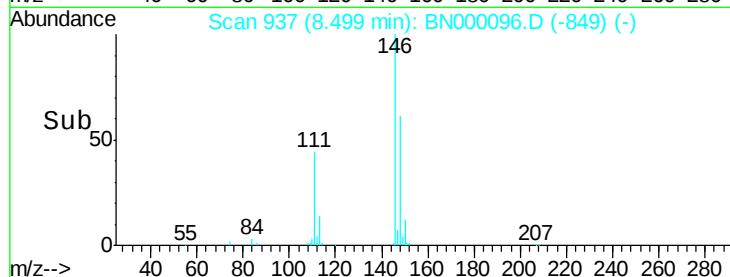
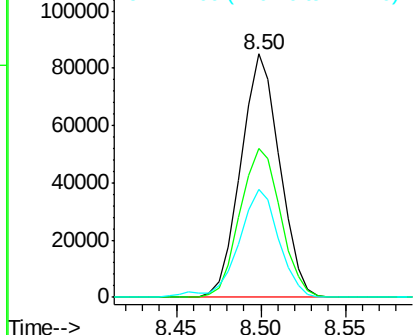
#13
 1,4-Dichlorobenzene
 Concen: 7.410 ng
 RT: 8.50 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:146 Resp: 136030
 Ion Ratio Lower Upper
 146 100
 148 61.3 53.7 80.5
 111 44.2 35.2 52.8

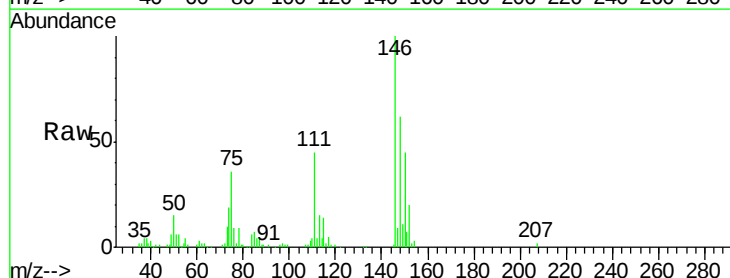


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

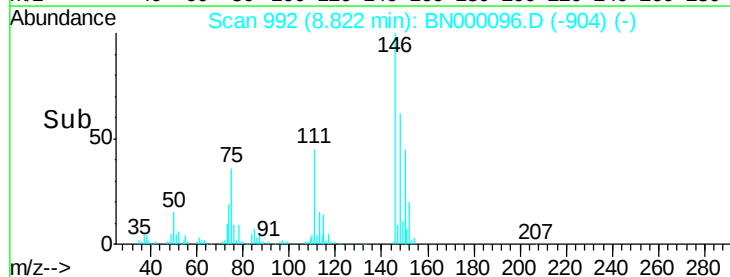
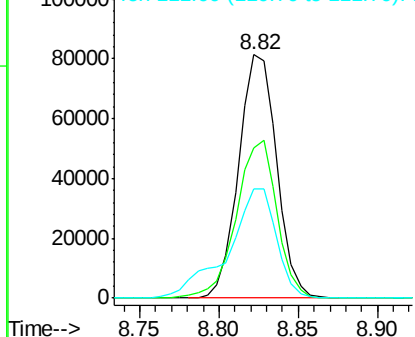


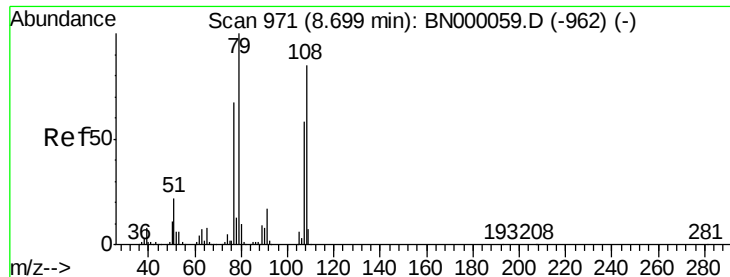
#14
 1,2-Dichlorobenzene
 Concen: 7.507 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion:146 Resp: 135661
 Ion Ratio Lower Upper
 146 100
 148 61.7 49.3 73.9
 111 44.7 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.088 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

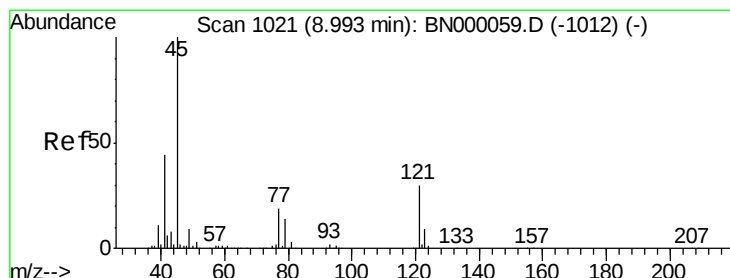
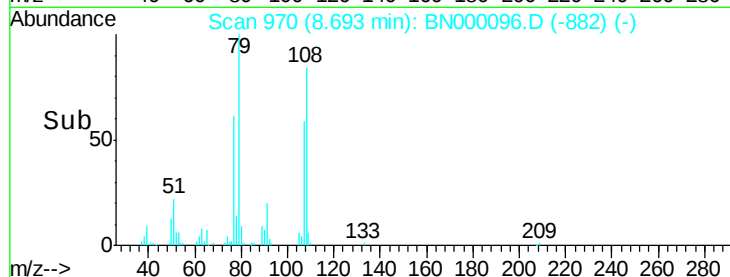
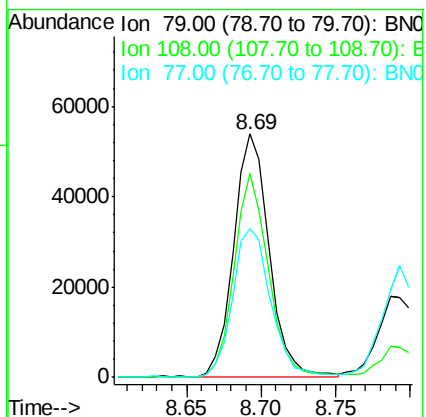
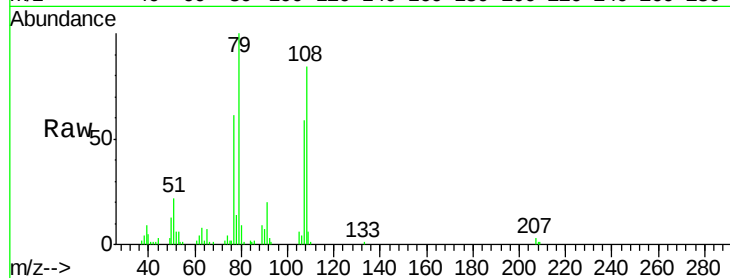
Tot Ion: 79 Resp: 89667

Ion Ratio Lower Upper

79 100

108 83.5 57.2 85.8

77 61.2 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.207 ng

RT: 8.99 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

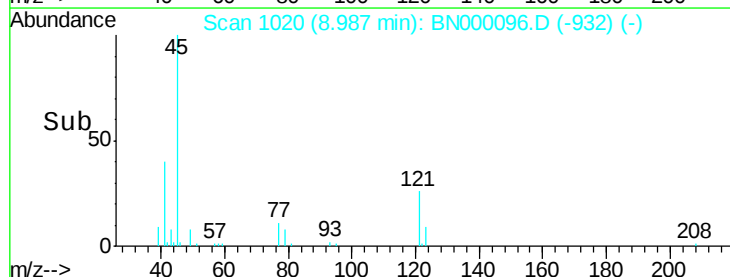
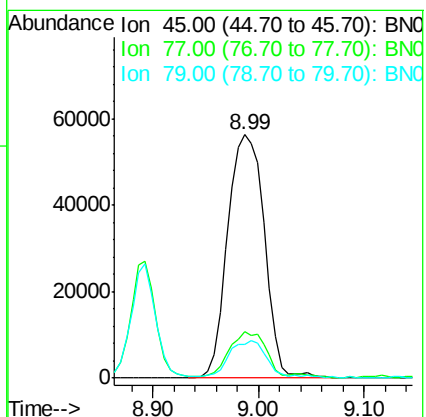
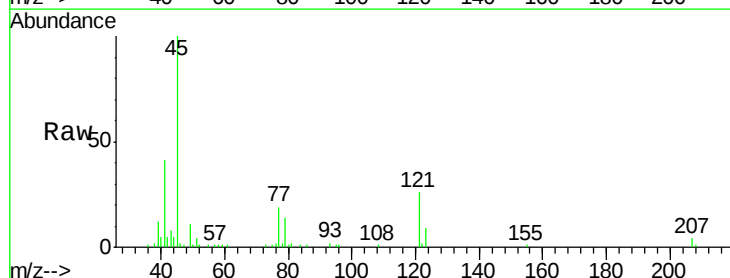
Tgt Ion: 45 Resp: 135716

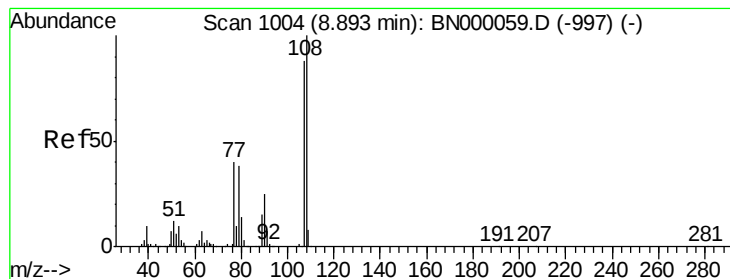
Ion Ratio Lower Upper

45 100

77 19.1 0.0 30.2

79 13.9 0.0 27.9

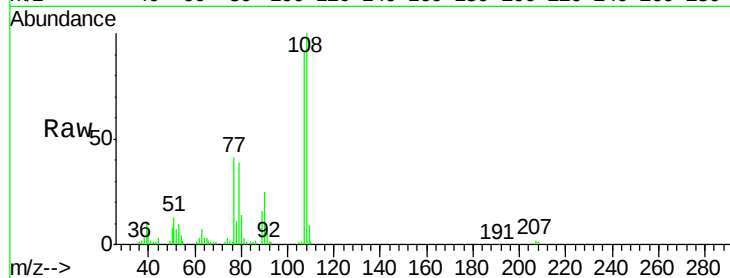




#17
2-Methylphenol
Concen: 6.319 ng
RT: 8.89 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.5	83.9	125.9
77	45.7	37.2	55.8
79	42.7	36.2	54.2



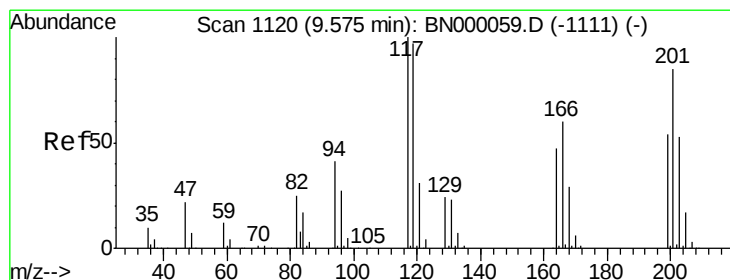
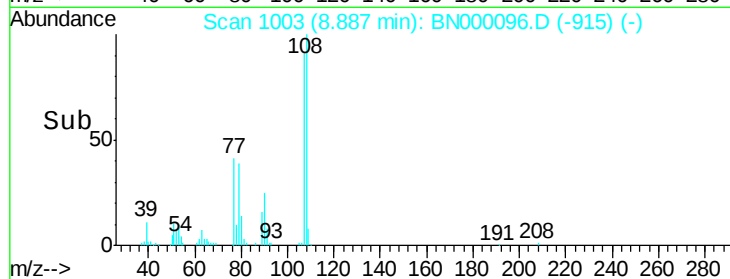
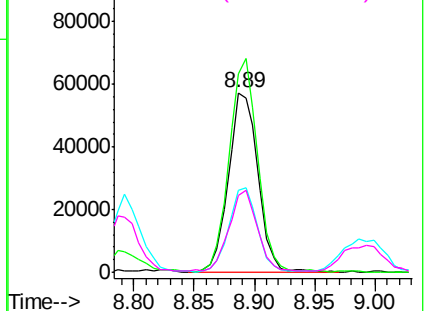
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

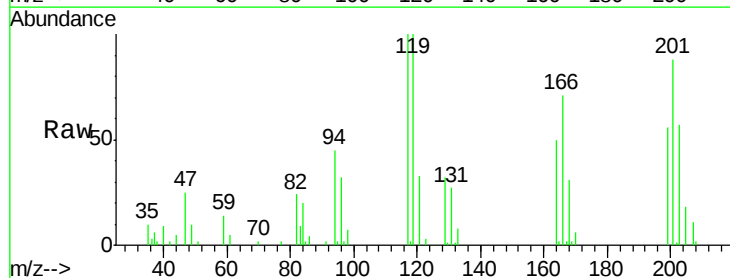
Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18
Hexachloroethane
Concen: 6.463 ng
RT: 9.57 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.7	115.1
201	87.7	95.7	143.5#

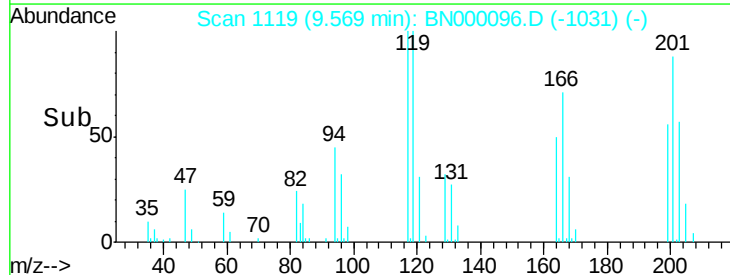
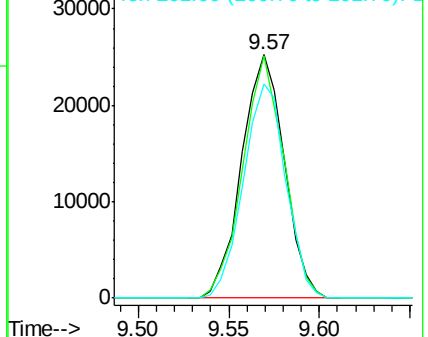


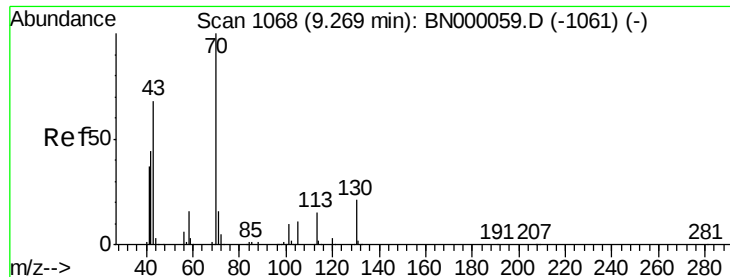
Abundance

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: 5.955 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion: 70 Resp: 81767

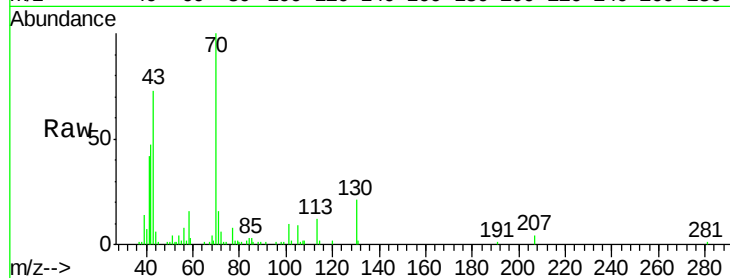
Ion Ratio Lower Upper

70 100

42 47.2 49.1 73.7#

101 10.2 8.5 12.7

130 20.5 13.4 20.0#

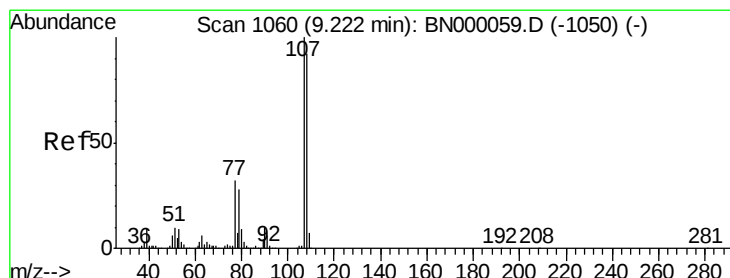
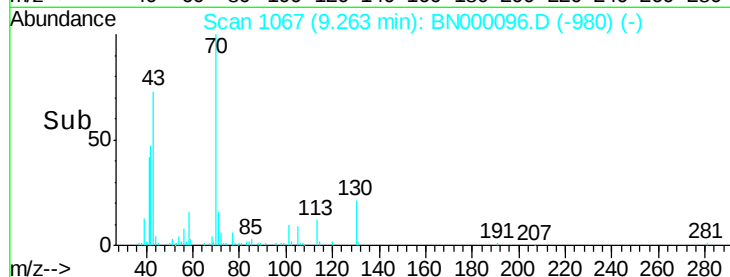
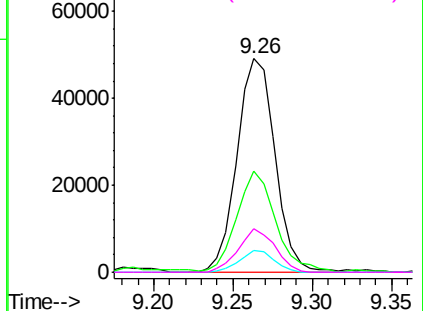


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 6.272 ng

RT: 9.22 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion: 107 Resp: 134837

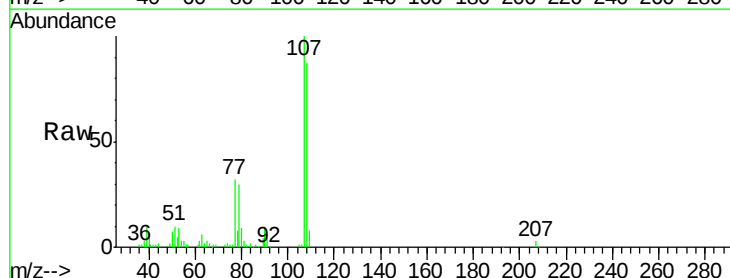
Ion Ratio Lower Upper

107 100

108 86.8 61.6 101.6

77 32.4 13.9 53.9

79 29.9 8.8 48.8

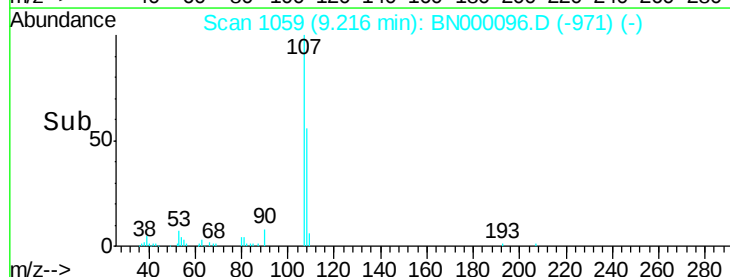
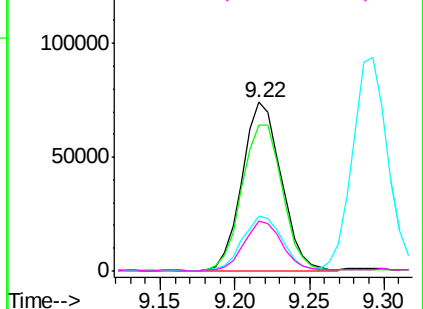


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BN0

Ion 79.00 (78.70 to 79.70): BN0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:136 Resp: 1132544

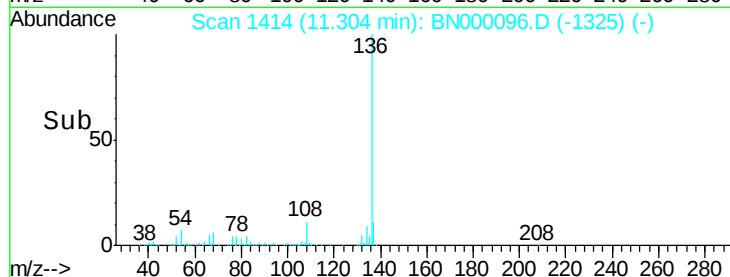
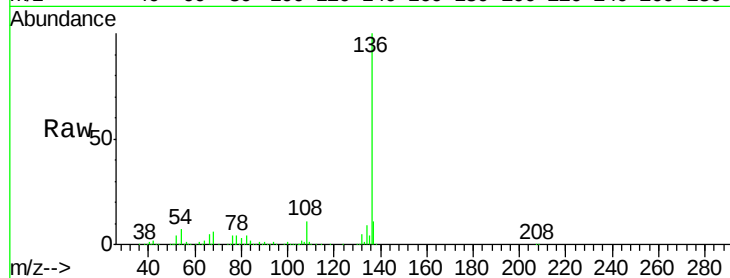
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 6.7 10.3 15.5#

68 6.1 4.5 6.7

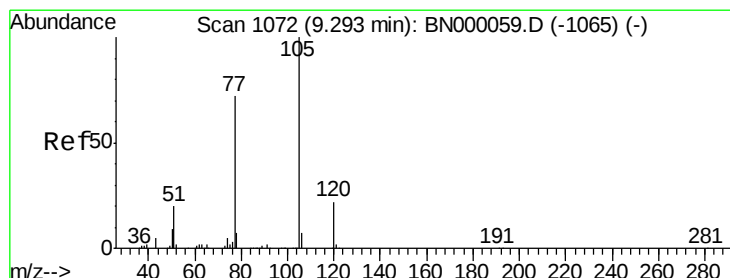
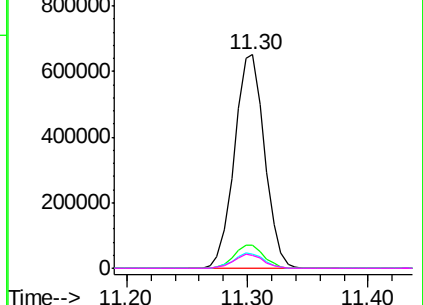


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.742 ng

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion:105 Resp: 213981

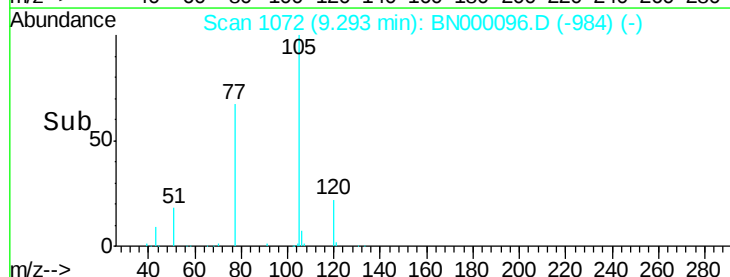
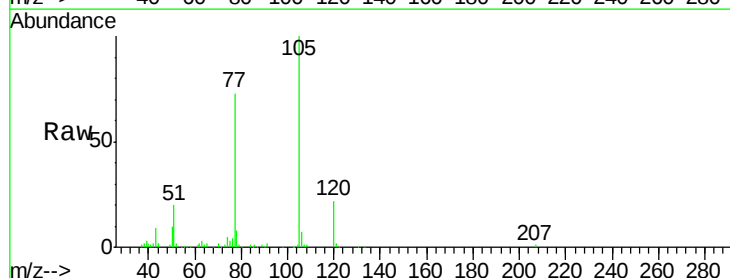
Ion Ratio Lower Upper

105 100

71 0.4 3.0 4.4#

51 19.8 26.1 39.1#

120 22.2 17.4 26.2

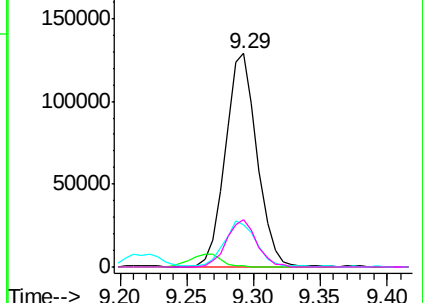


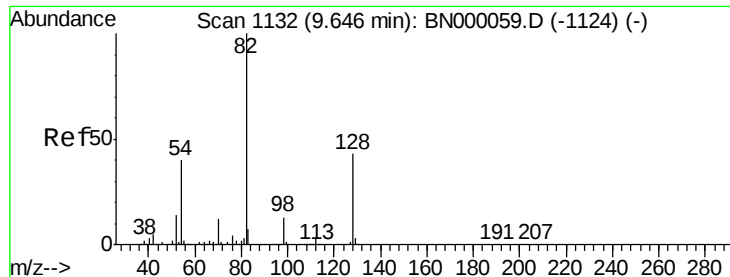
Abundance Ion 105.00 (104.70 to 105.70): E

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

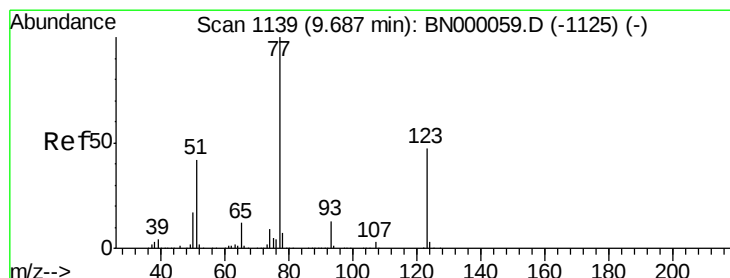
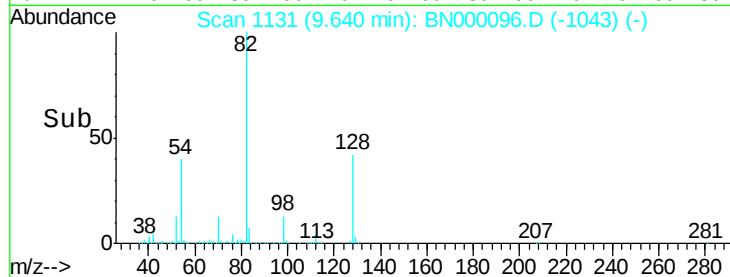
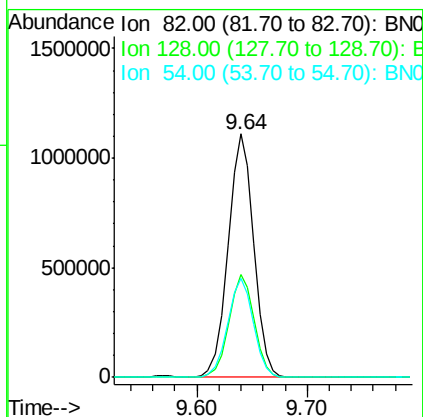
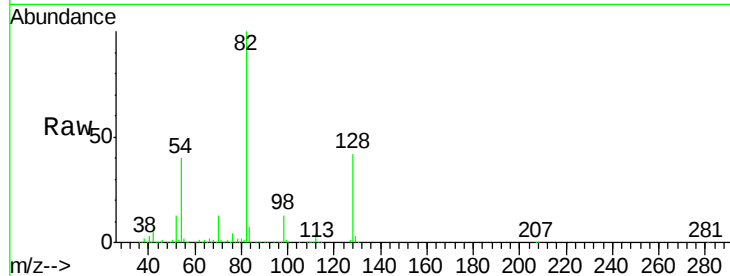




#23
 Nitrobenzene-d5
 Concen: 94.242 ng
 RT: 9.64 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

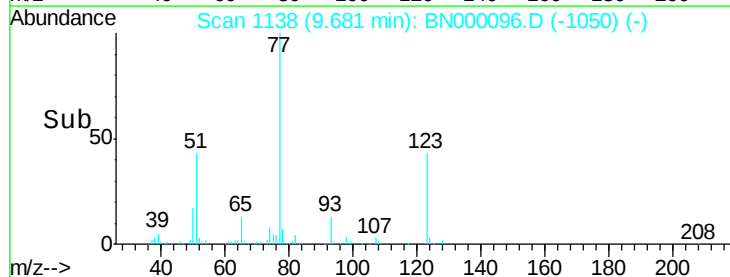
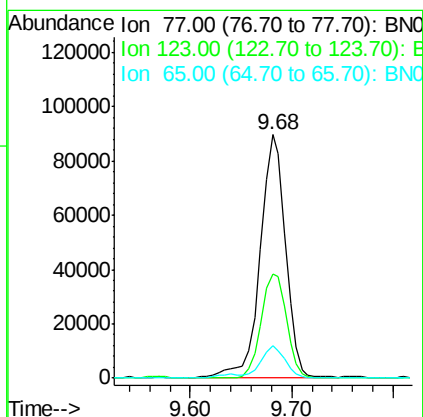
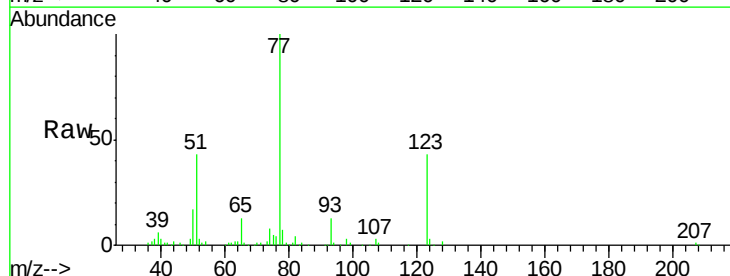
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

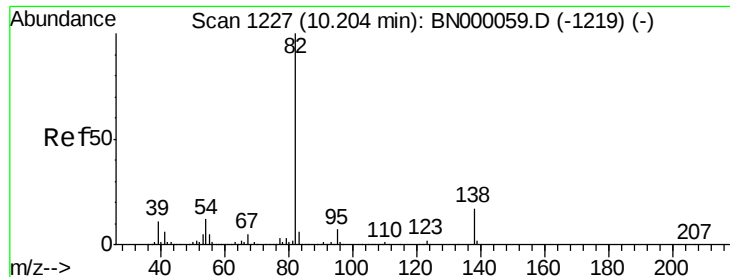
Tot Ion: 82 Resp: 1795181
 Ion Ratio Lower Upper
 82 100
 128 42.1 29.7 44.5
 54 40.4 43.1 64.7#



#24
 Nitrobenzene
 Concen: 7.500 ng
 RT: 9.68 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion: 77 Resp: 156186
 Ion Ratio Lower Upper
 77 100
 123 42.8 33.0 49.6
 65 13.2 13.0 19.6





#25

Isophorone

Concen: 5.763 ng

RT: 10.20 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

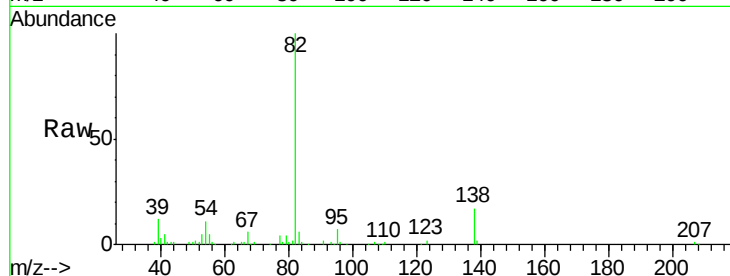
Tot Ion: 82 Resp: 226913

Ion Ratio Lower Upper

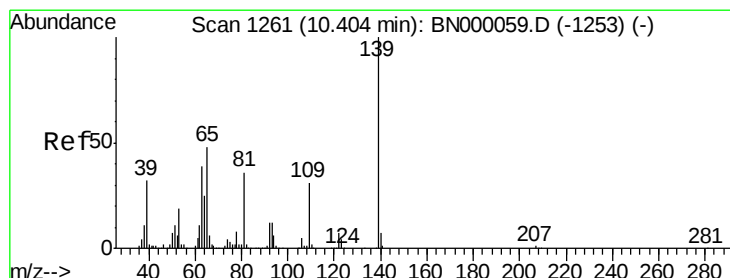
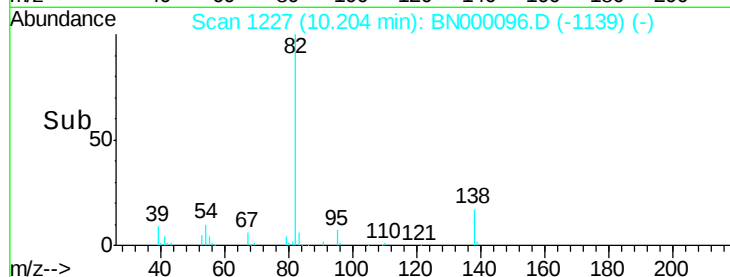
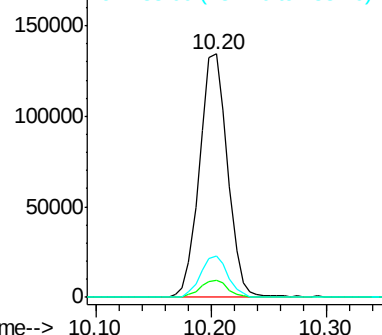
82 100

95 7.0 6.2 9.2

138 17.0 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 95.00 (94.70 to 95.70): BN0
Ion 138.00 (137.70 to 138.70): BN0



#26

2-Nitrophenol

Concen: 10.883 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

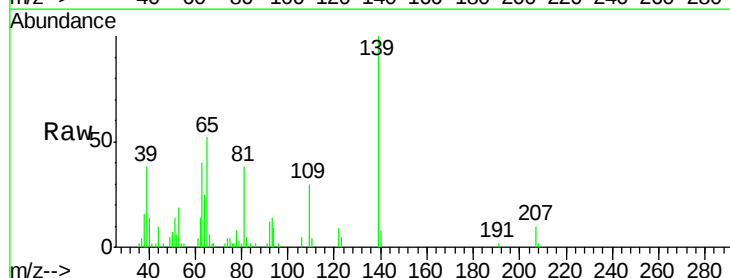
Tgt Ion: 139 Resp: 37048

Ion Ratio Lower Upper

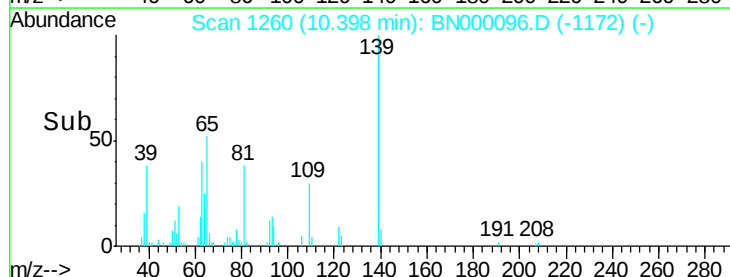
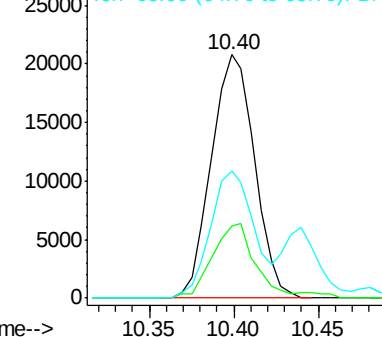
139 100

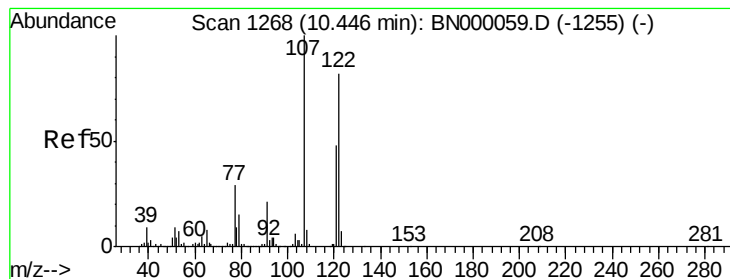
109 29.8 24.2 36.2

65 52.4 47.4 71.0



Abundance Ion 139.00 (138.70 to 139.70): BN0
Ion 109.00 (108.70 to 109.70): BN0
Ion 65.00 (64.70 to 65.70): BN0





#27

2,4-Dimethylphenol

Concen: 5.812 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

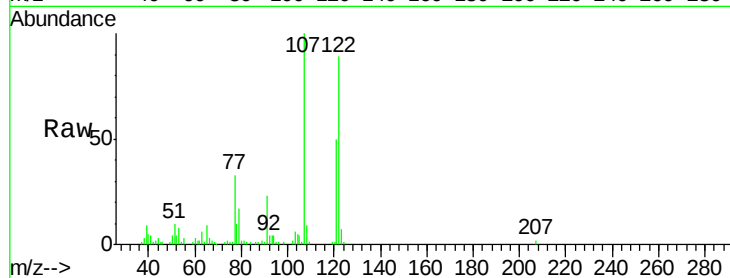
Tot Ion:122 Resp: 99212

Ion Ratio Lower Upper

122 100

107 112.5 100.2 150.2

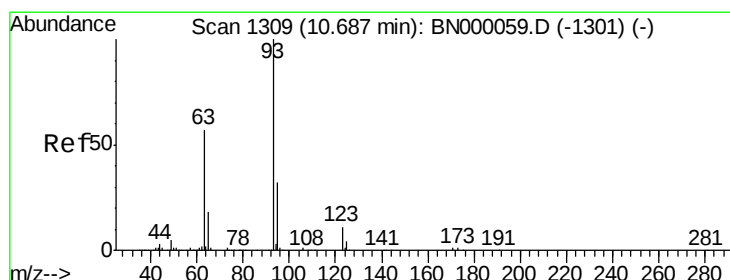
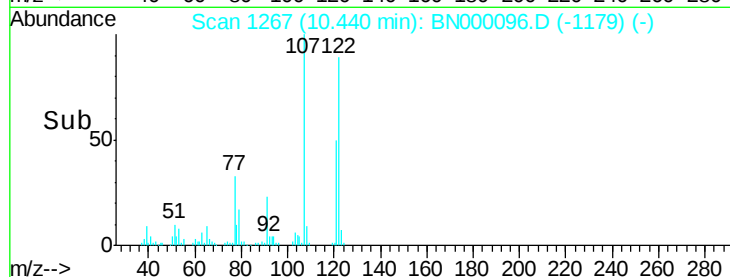
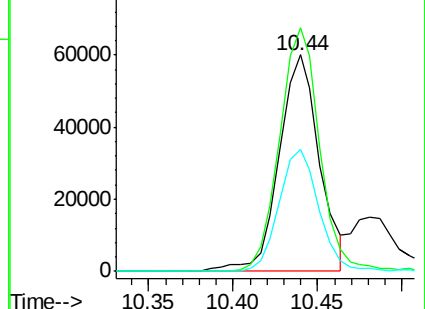
121 56.6 44.4 66.6



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: 6.750 ng

RT: 10.68 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

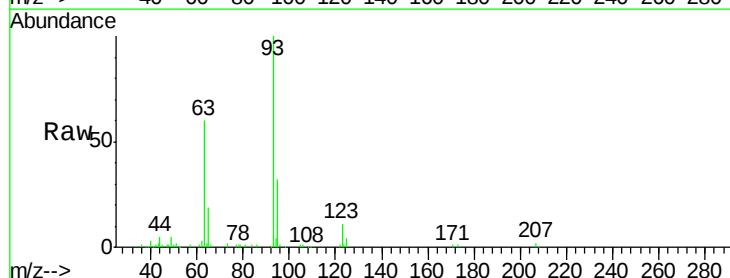
Tgt Ion: 93 Resp: 170462

Ion Ratio Lower Upper

93 100

95 32.2 24.3 36.5

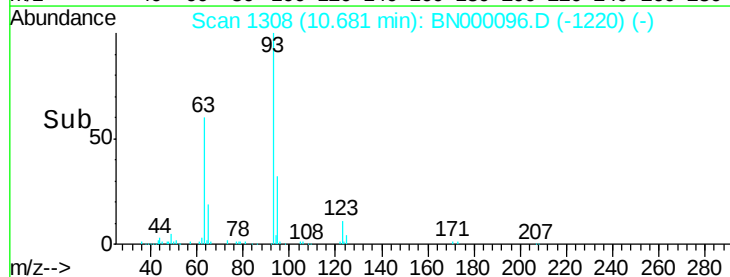
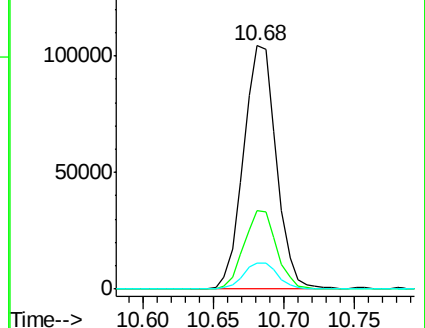
123 10.7 8.4 12.6

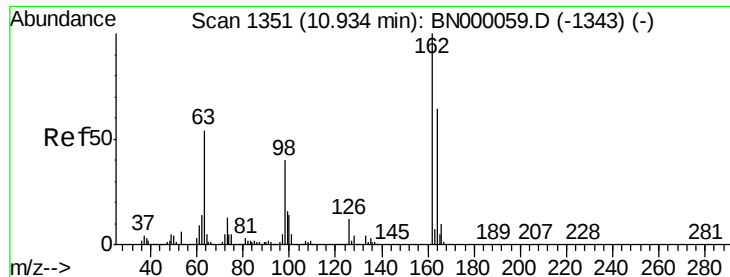


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

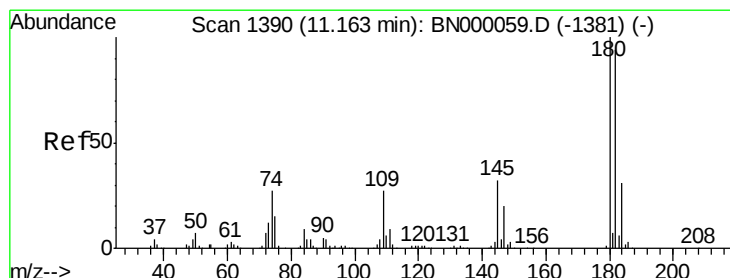
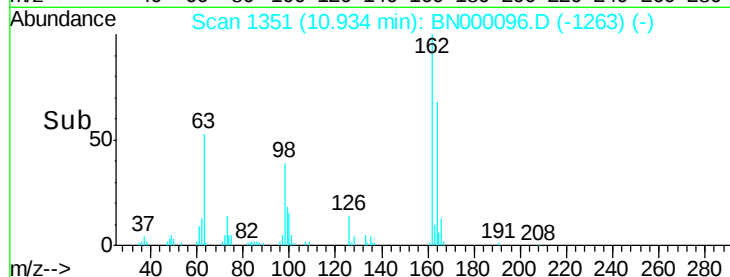
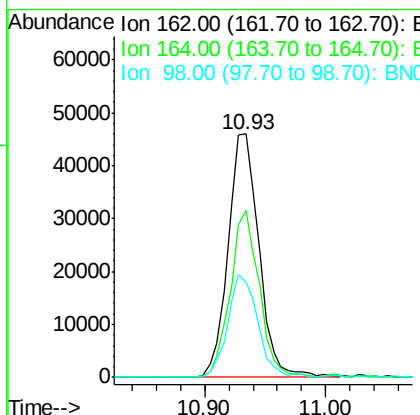
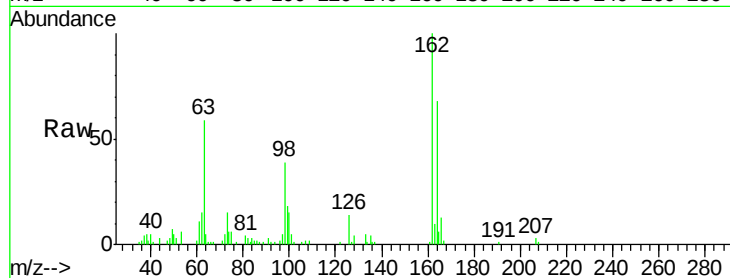




#29
 2,4-Dichlorophenol
 Concen: 5.198 ng
 RT: 10.93 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

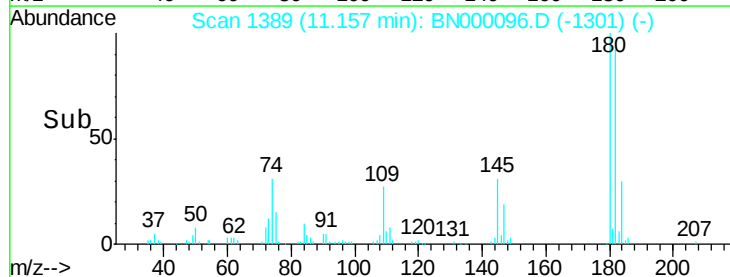
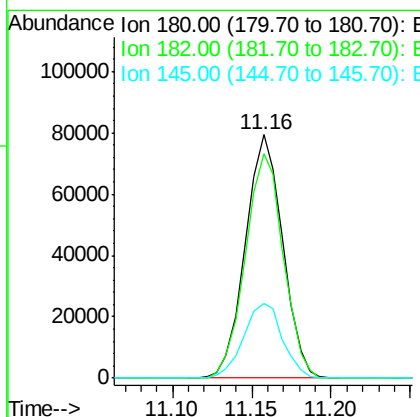
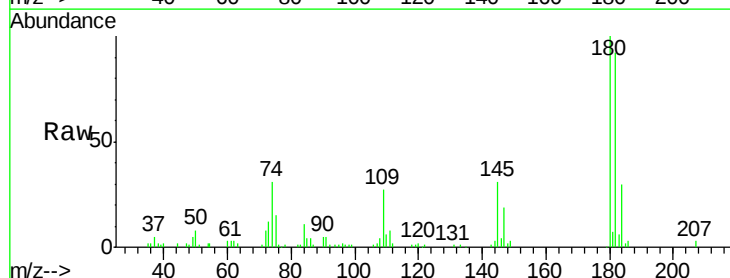
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.4	48.0	88.0
98	39.0	21.1	61.1



#30
 1,2,4-Trichlorobenzene
 Concen: 7.130 ng
 RT: 11.16 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.5	116.3
145	30.5	23.4	35.2

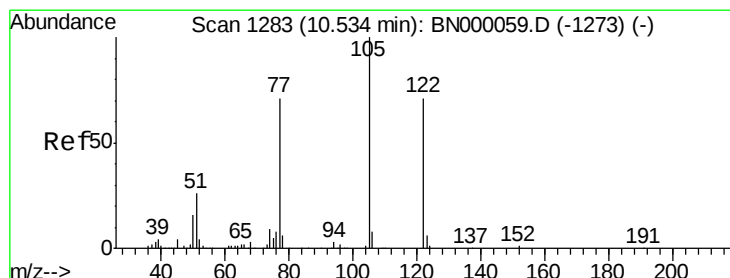
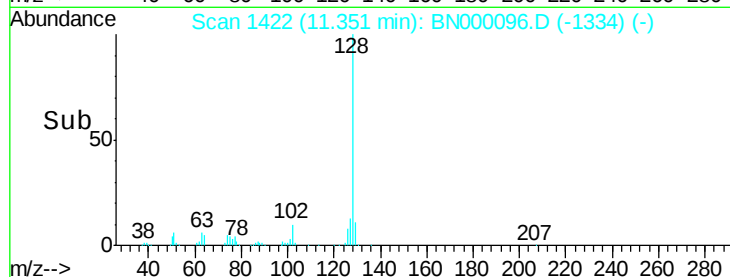
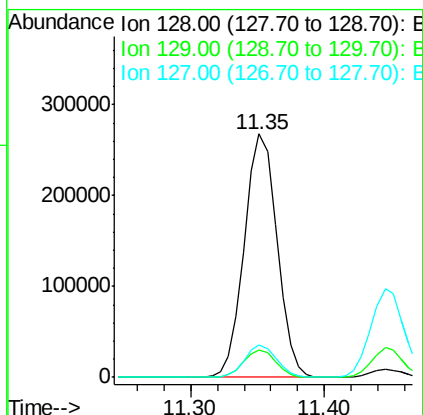
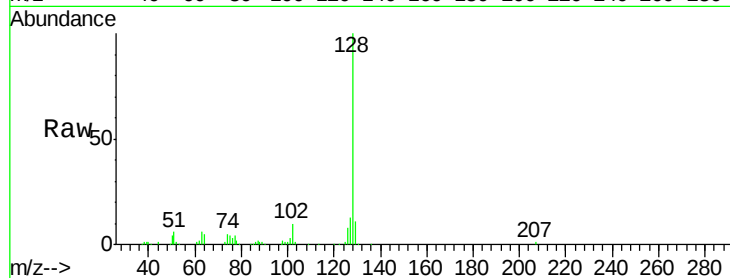




#31
Naphthalene
Concen: 7.301 ng
RT: 11.35 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

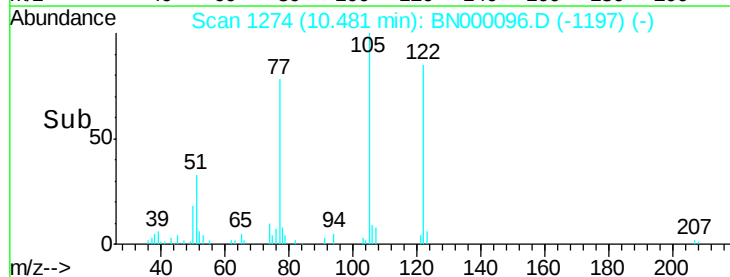
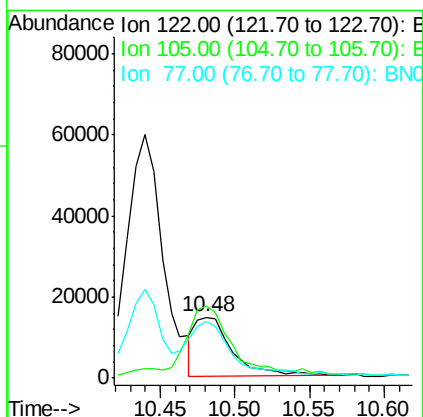
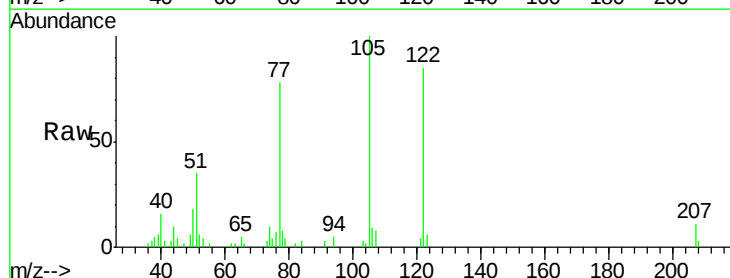
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:128 Resp: 453303
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 13.4 11.6 17.4



#32
Benzoic acid
Concen: 12.065 ng
RT: 10.48 min Scan# 1274
Delta R.T. -0.08 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:122 Resp: 24732
Ion Ratio Lower Upper
122 100
105 117.3 123.5 163.5#
77 91.9 85.7 125.7

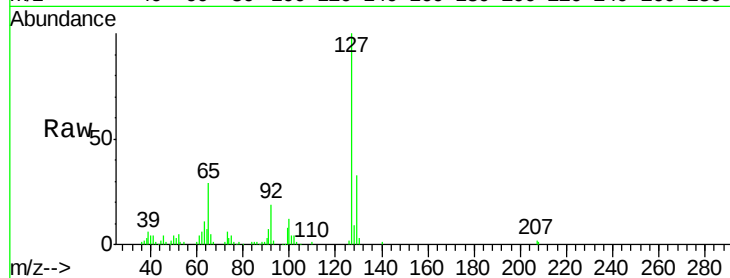




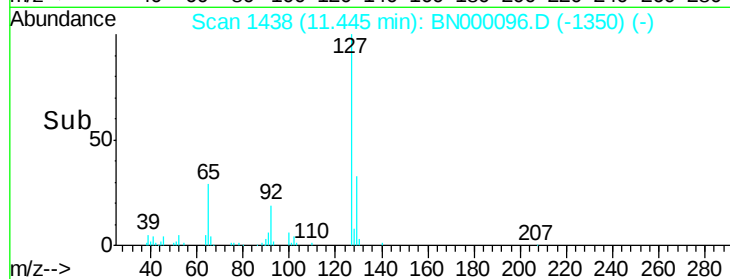
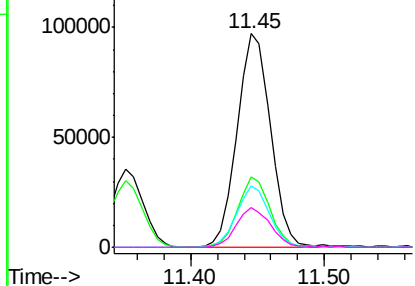
#33
4-Chloroaniline
Concen: 6.184 ng
RT: 11.45 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:127	Resp:	168673
Ion Ratio	Lower	Upper
127	100	
129	33.1	24.0 36.0
65	29.1	27.0 40.4
92	18.6	16.6 25.0

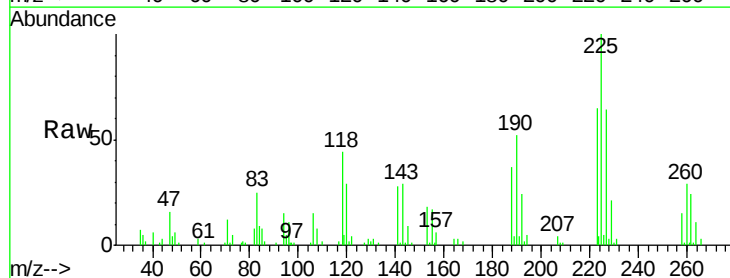


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

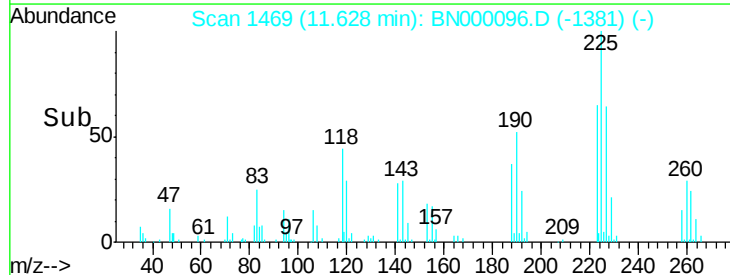
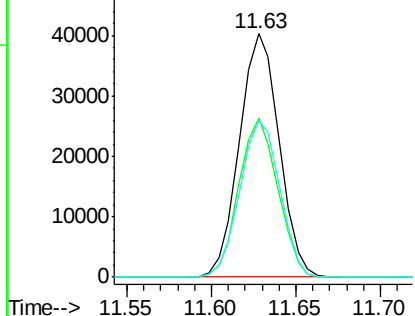


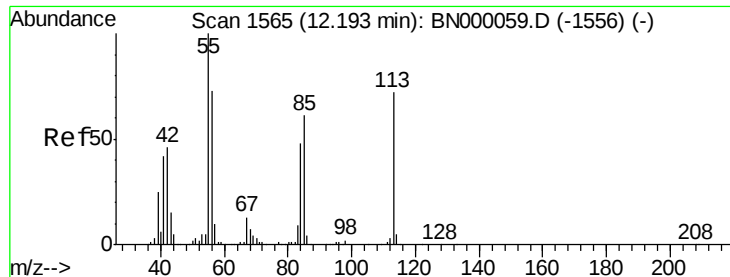
#34
Hexachlorobutadiene
Concen: 6.975 ng
RT: 11.63 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:225	Resp:	65805
Ion Ratio	Lower	Upper
225	100	
223	65.4	49.7 74.5
227	64.3	48.1 72.1



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





#35

Caprolactam

Concen: 7.561 ng

RT: 12.17 min Scan# 1561

Delta R.T. -0.04 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

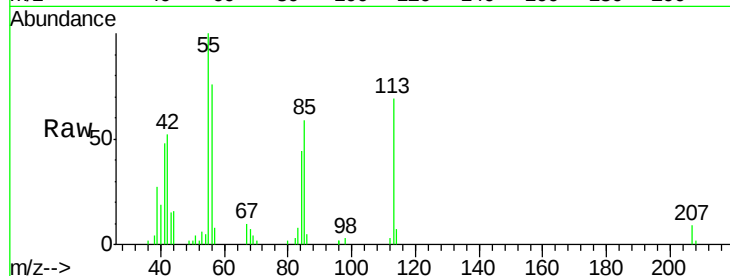
Tot Ion:113 Resp: 26700

Ion Ratio Lower Upper

113 100

55 144.8 120.0 160.0

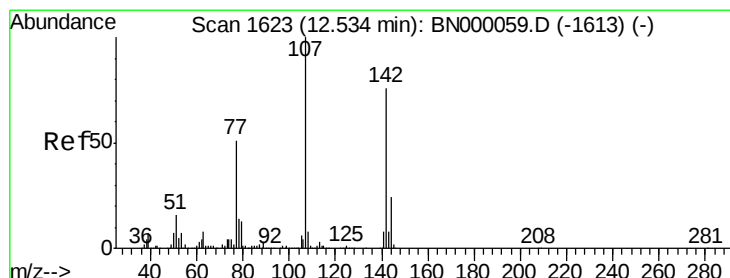
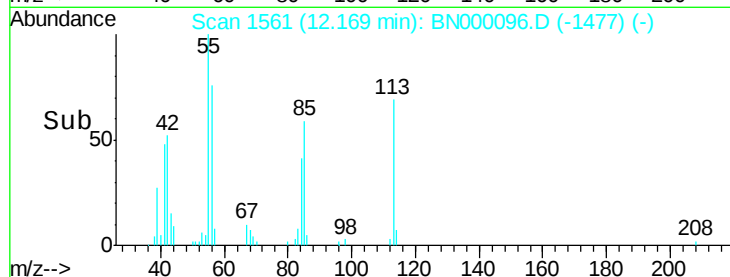
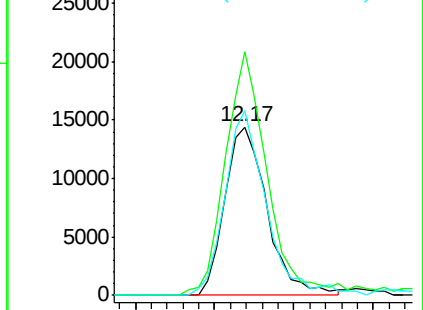
56 110.1 90.0 130.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#36

4-Chloro-3-methylphenol

Concen: 5.265 ng

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

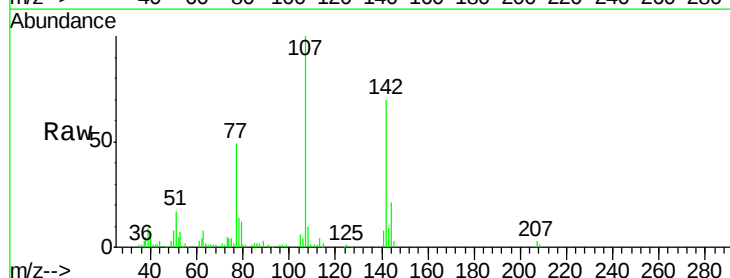
Tgt Ion:107 Resp: 105609

Ion Ratio Lower Upper

107 100

144 21.1 18.2 27.4

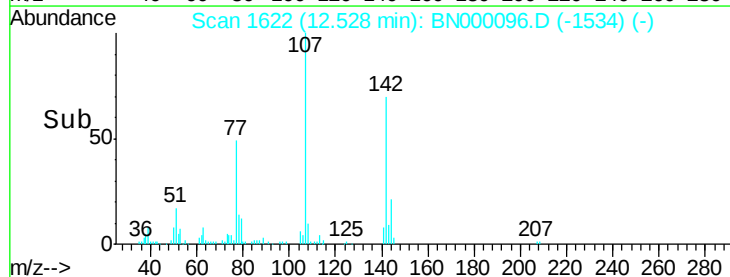
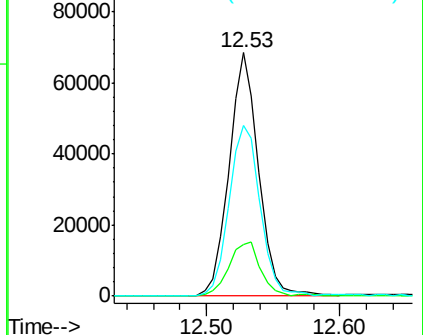
142 69.8 59.0 88.4

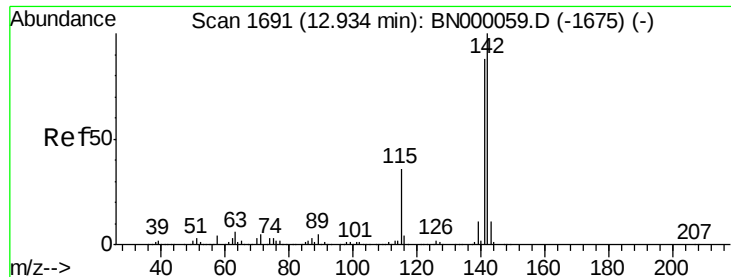


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

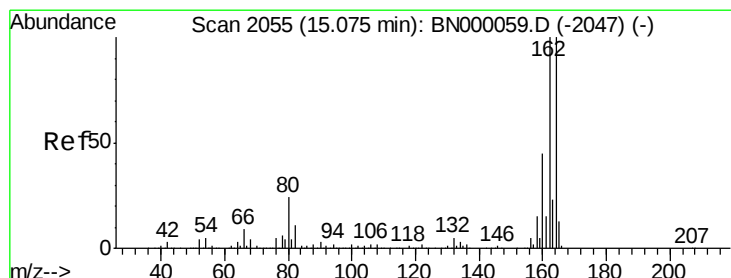
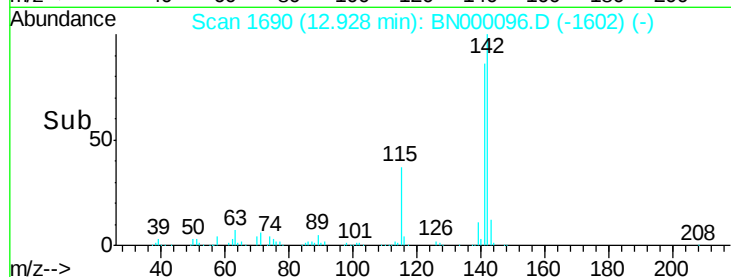
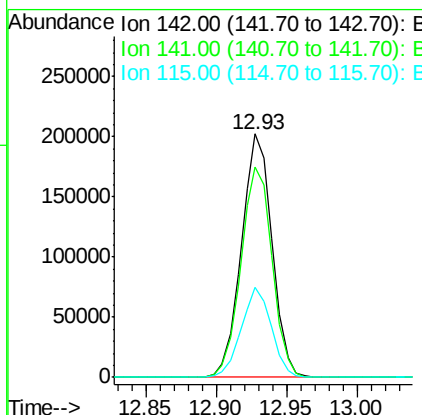
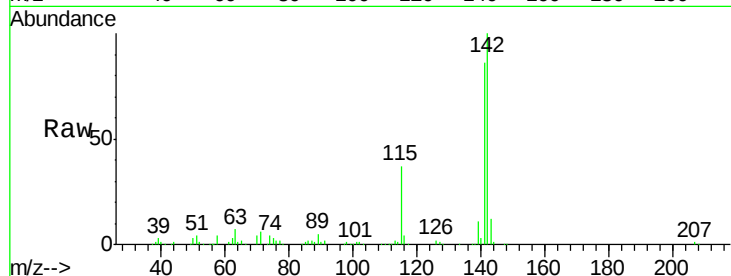




#37
2-Methylnaphthalene
Concen: 7.076 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

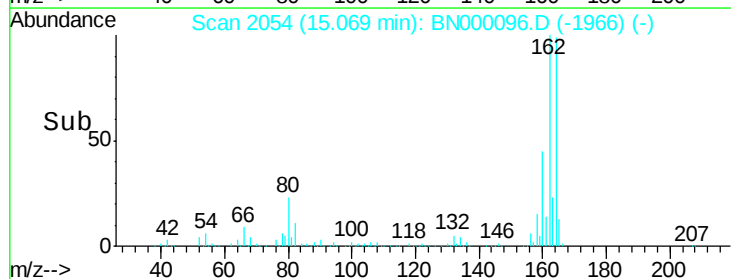
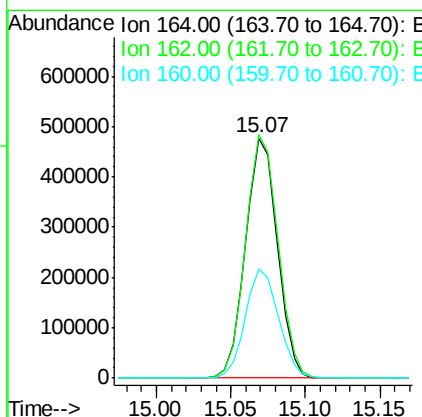
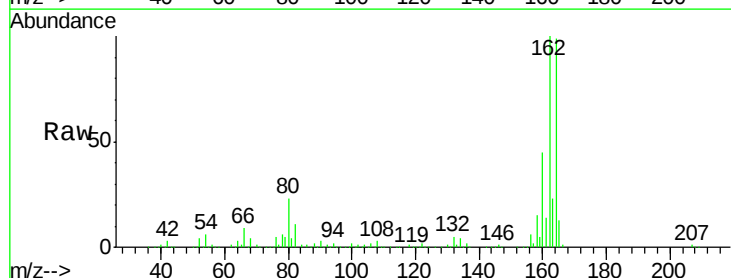
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

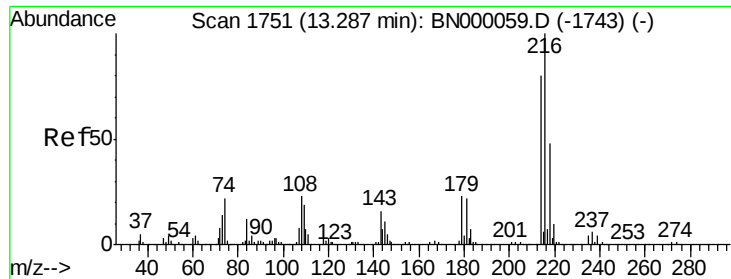
Tot Ion:142 Resp: 305702
Ion Ratio Lower Upper
142 100
141 86.3 67.1 100.7
115 37.1 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:164 Resp: 701931
Ion Ratio Lower Upper
164 100
162 101.3 78.8 118.2
160 45.7 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 7.053 ng

RT: 13.29 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:216 Resp: 146125

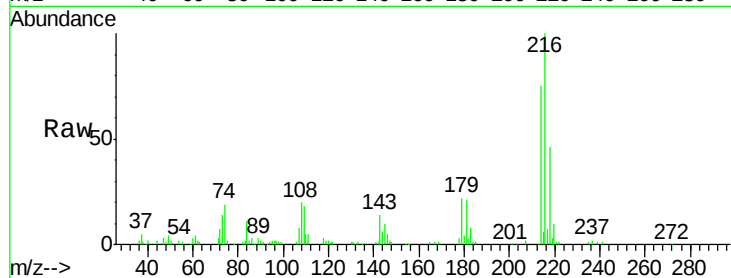
Ion Ratio Lower Upper

216 100

214 77.3 63.0 94.4

179 22.3 17.0 25.6

108 22.9 12.8 19.2#

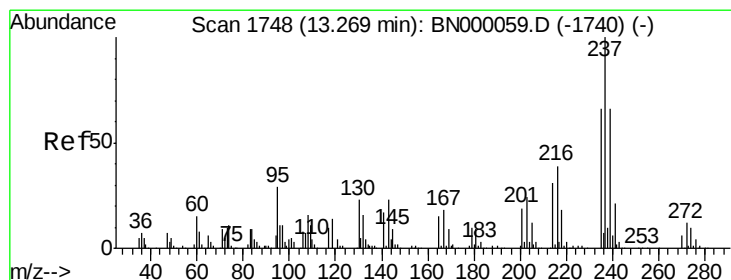
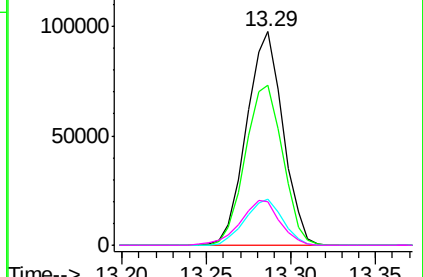
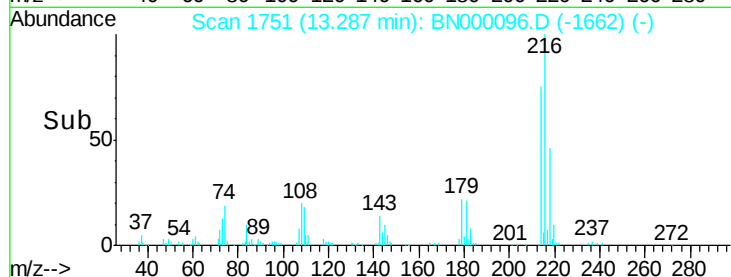


Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.238 ng

RT: 13.26 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

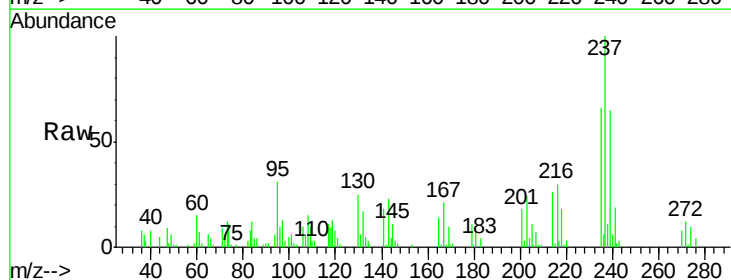
Tgt Ion:237 Resp: 45241

Ion Ratio Lower Upper

237 100

235 65.9 50.4 90.4

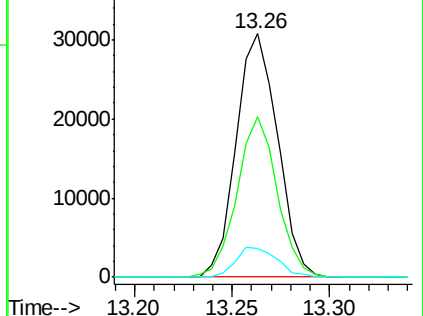
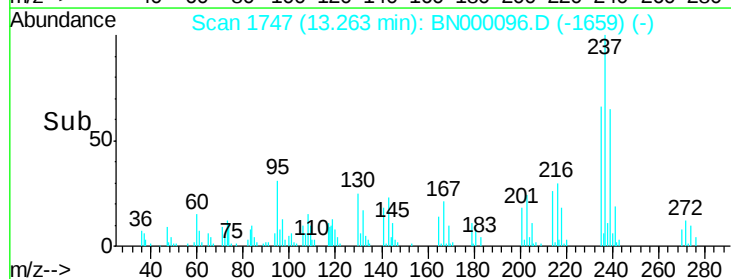
272 11.7 0.0 31.8

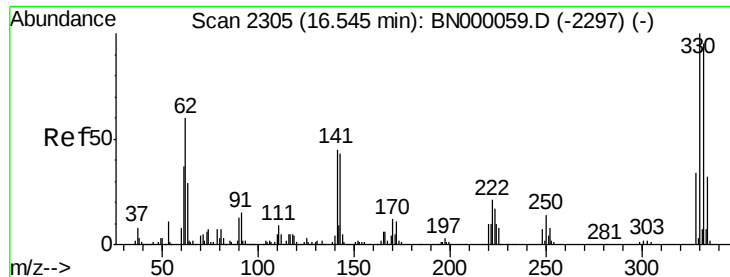


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 130.774 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

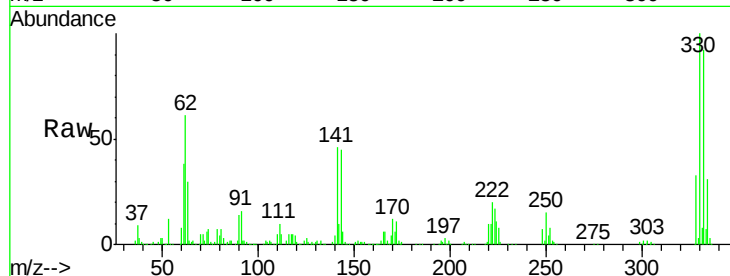
Tot Ion:330 Resp: 908622

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

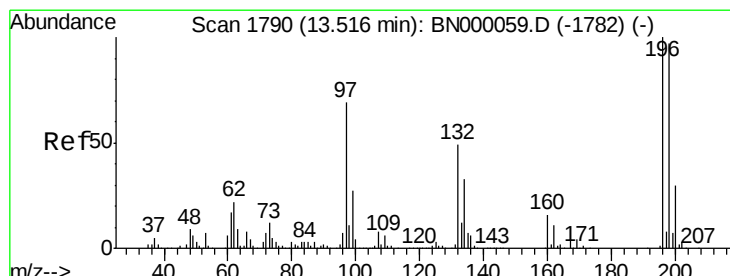
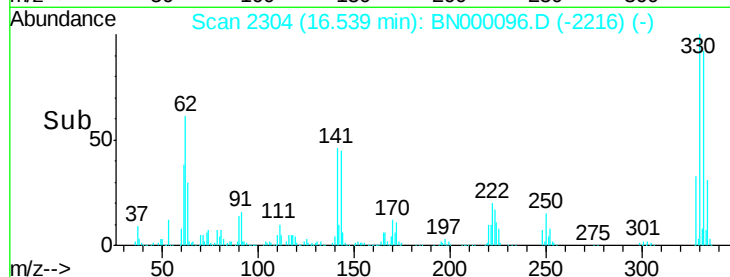
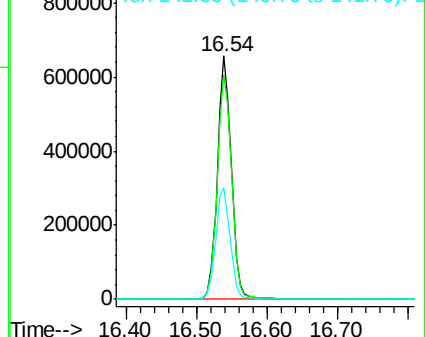
141 47.5 25.2 37.8#



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: 4.639 ng

RT: 13.51 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

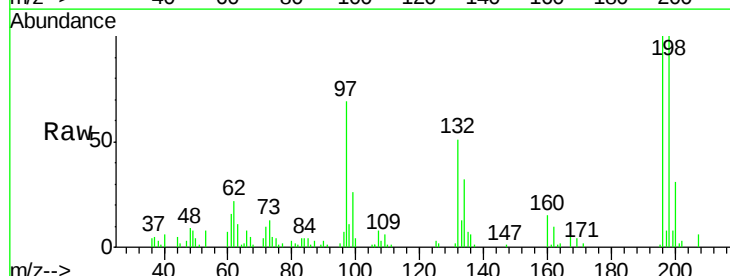
Tgt Ion:196 Resp: 57604

Ion Ratio Lower Upper

196 100

198 99.5 78.2 117.2

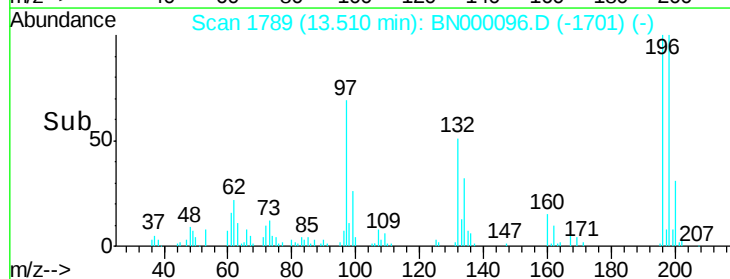
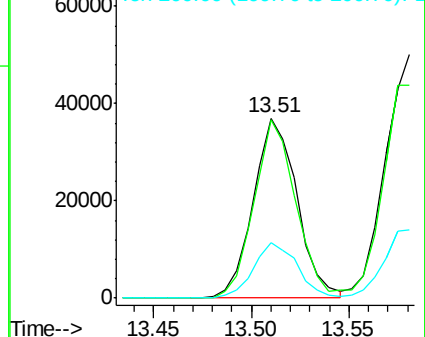
200 30.9 24.6 36.8

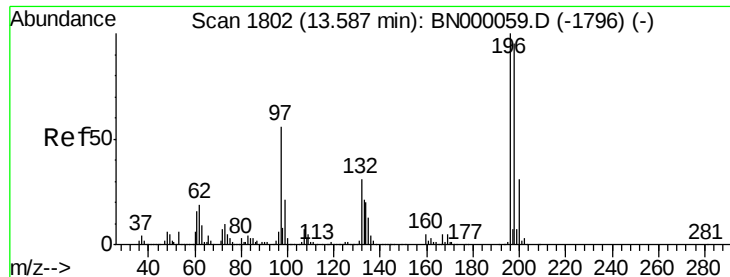


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

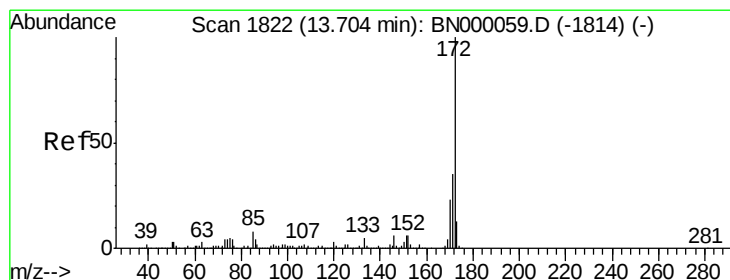
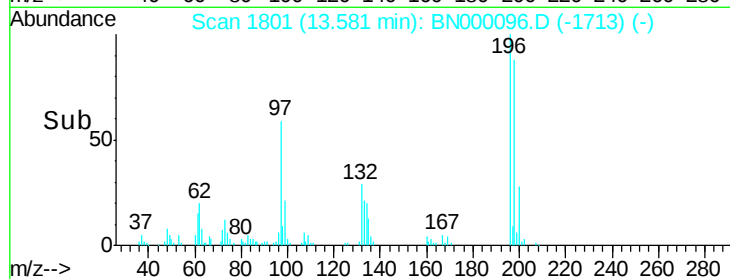
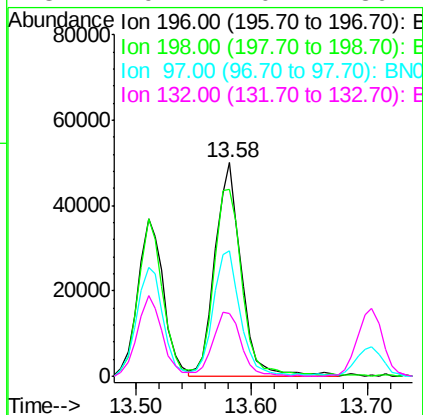
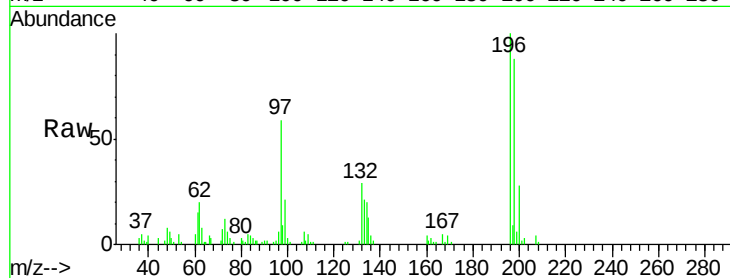




#43
2,4,5-Trichlorophenol
Concen: 5.320 ng
RT: 13.58 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

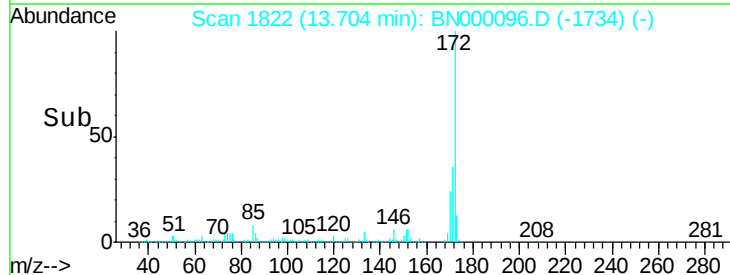
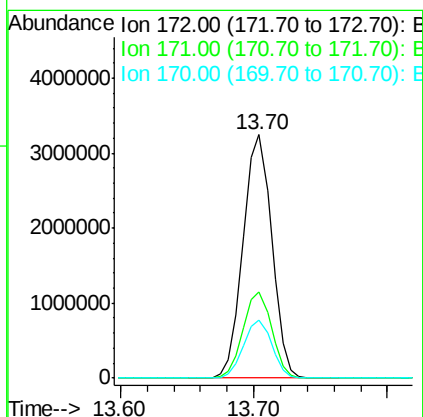
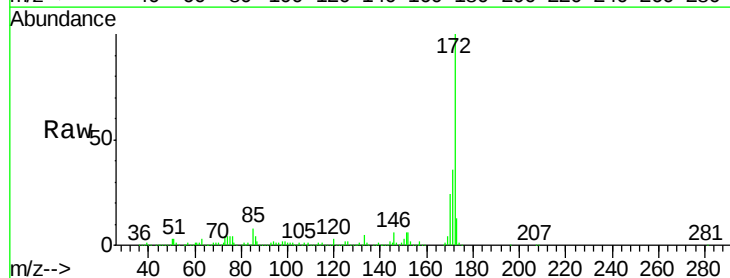
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

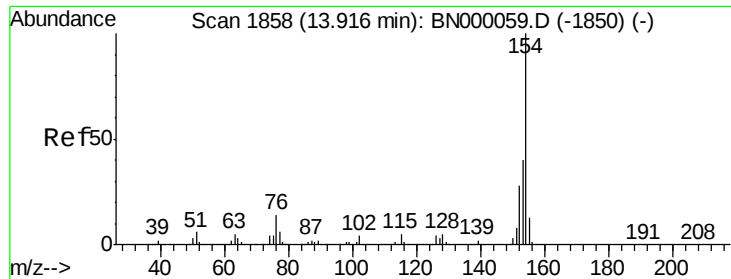
Tot Ion:196 Resp: 79418
Ion Ratio Lower Upper
196 100
198 87.6 76.2 114.4
97 58.6 38.7 58.1#
132 29.2 20.2 30.2



#44
2-Fluorobiphenyl
Concen: 96.561 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:172 Resp: 4809047
Ion Ratio Lower Upper
172 100
171 35.6 30.0 45.0
170 23.6 19.5 29.3

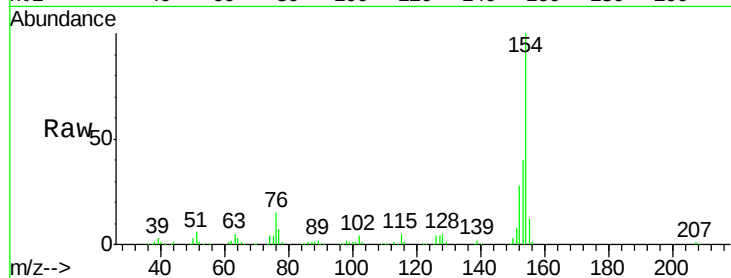




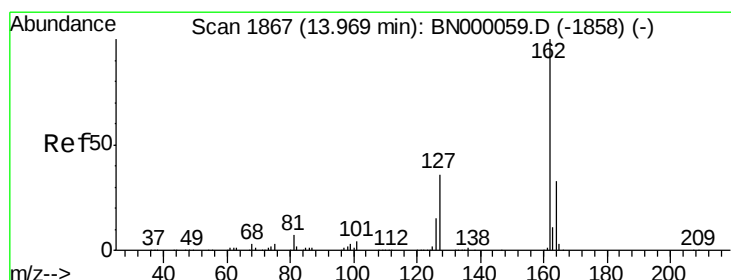
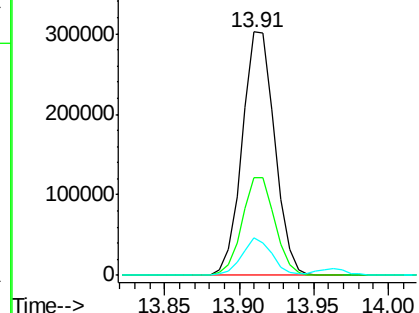
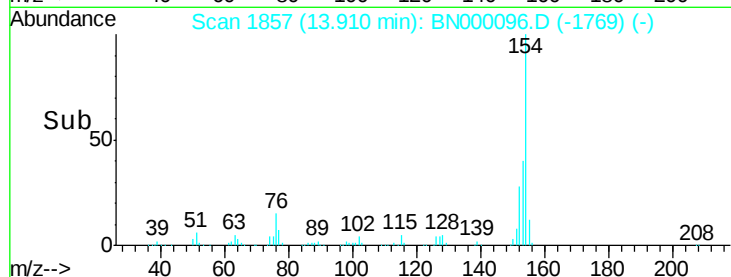
#45
 1,1'-Biphenyl
 Concen: 7.387 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.8	59.8
76	15.3	0.0	31.9

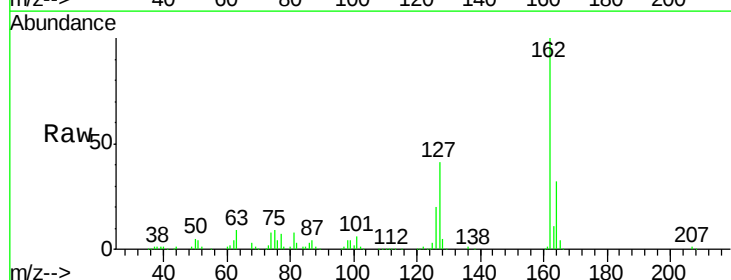


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

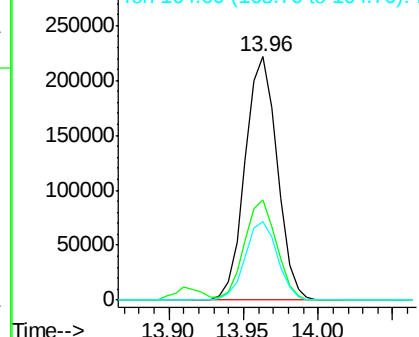
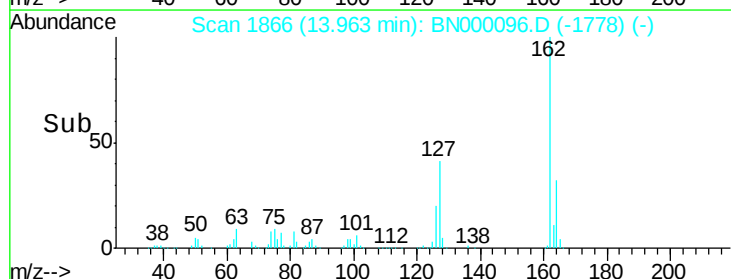


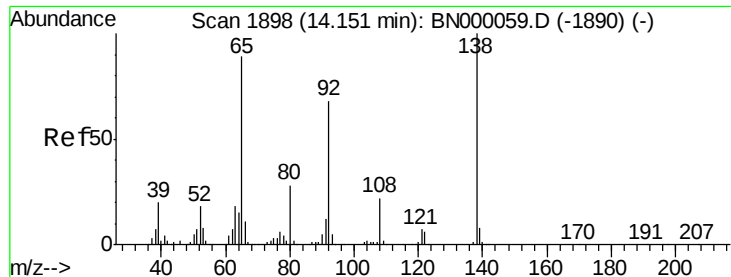
#46
 2-Chloronaphthalene
 Concen: 7.132 ng
 RT: 13.96 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.0	30.7	46.1
164	32.5	26.0	39.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 8.412 ng

RT: 14.15 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

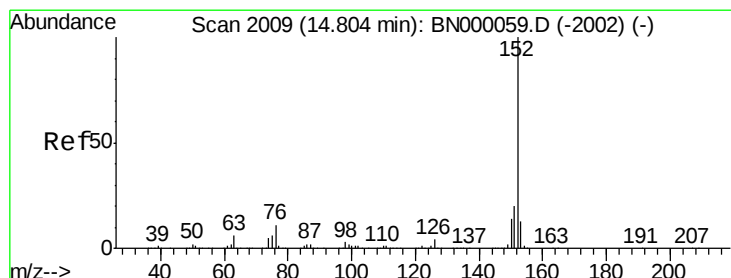
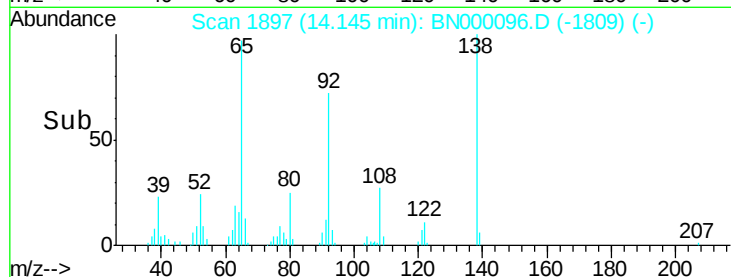
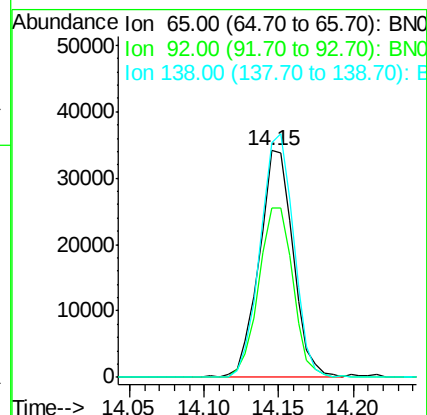
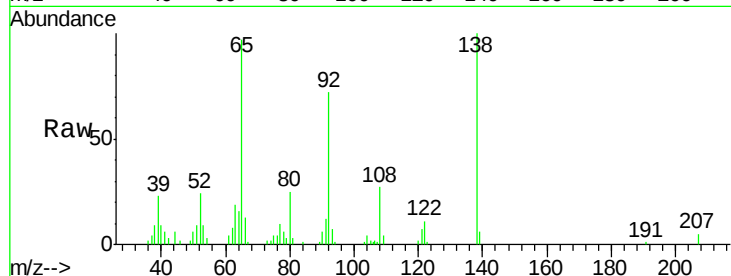
Tot Ion: 65 Resp: 53516

Ion Ratio Lower Upper

65 100

92 74.6 54.6 82.0

138 103.5 72.9 109.3



#48

Acenaphthylene

Concen: 6.613 ng

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

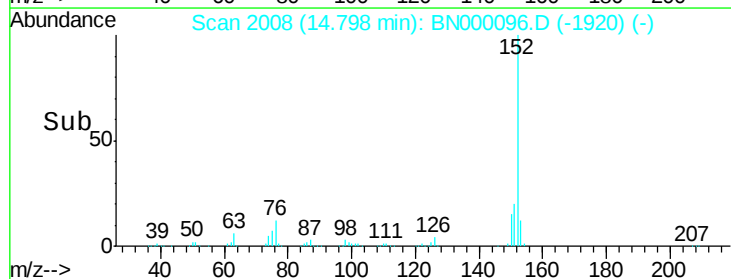
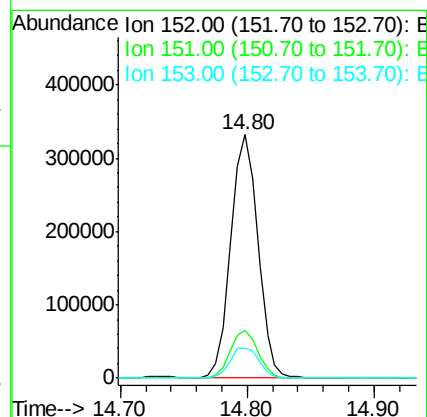
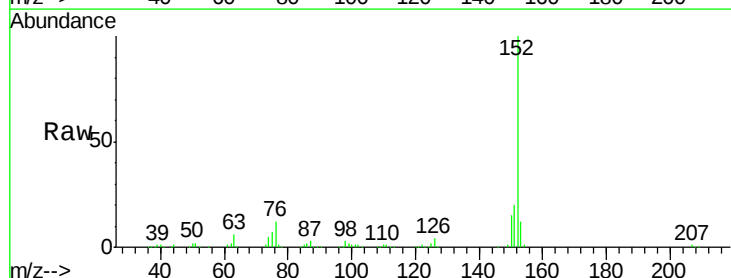
Tgt Ion: 152 Resp: 494231

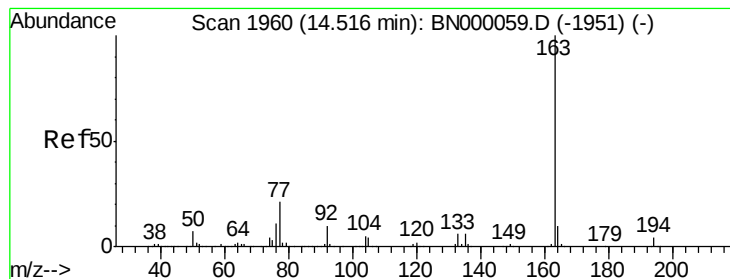
Ion Ratio Lower Upper

152 100

151 19.9 17.2 25.8

153 12.5 10.2 15.4





#49

Dimethylphthalate

Concen: 6.733 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

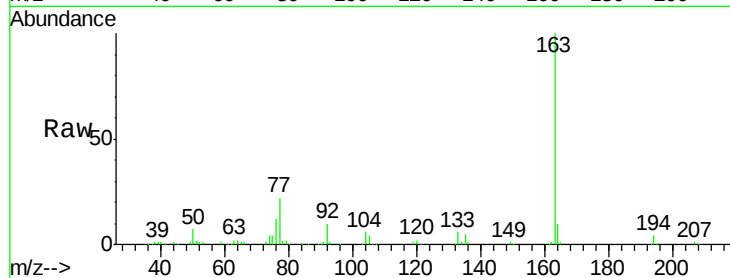
Tot Ion:163 Resp: 395088

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

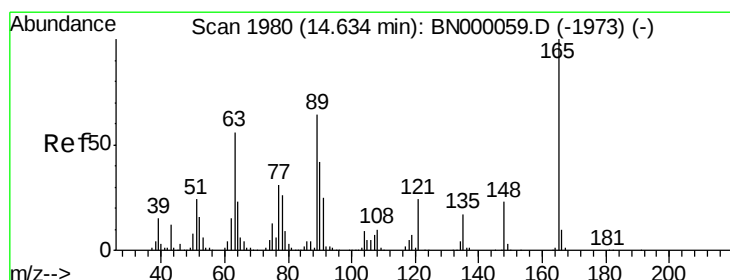
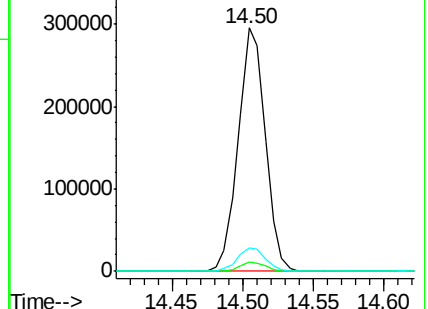
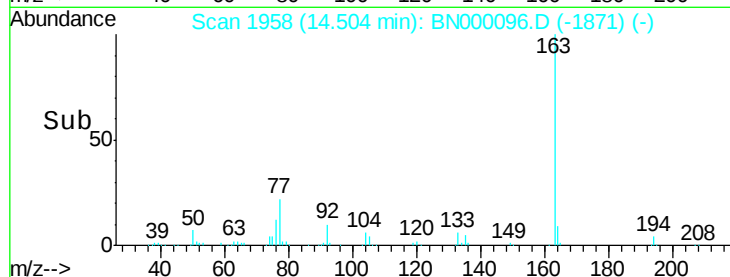
164 9.6 8.2 12.4



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: 4.913 ng

RT: 14.63 min Scan# 1979

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

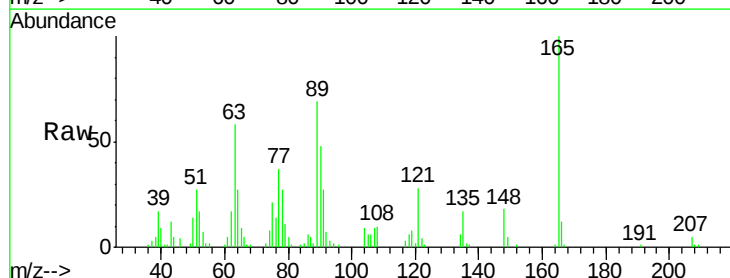
Tgt Ion:165 Resp: 59508

Ion Ratio Lower Upper

165 100

63 58.5 52.7 79.1

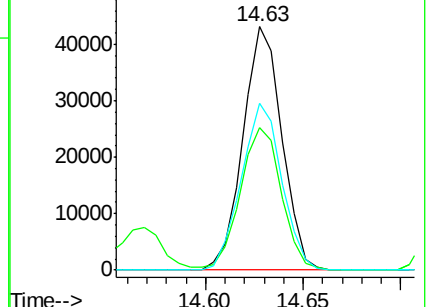
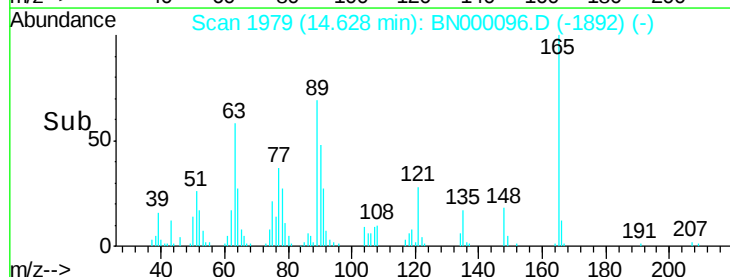
89 68.7 49.2 73.8

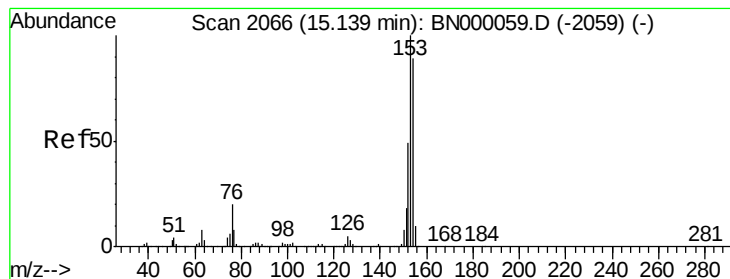


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 7.065 ng

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

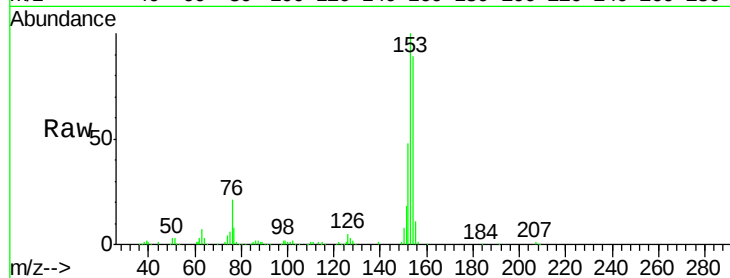
Tot Ion:154 Resp: 343699

Ion Ratio Lower Upper

154 100

153 112.5 90.4 135.6

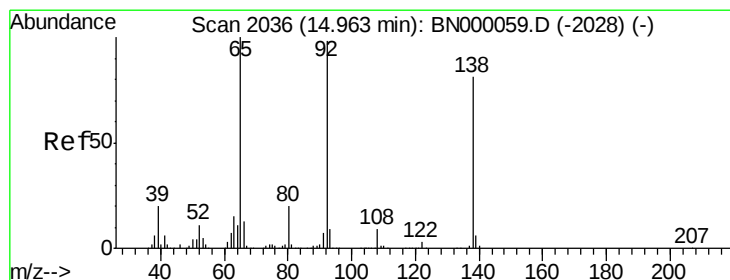
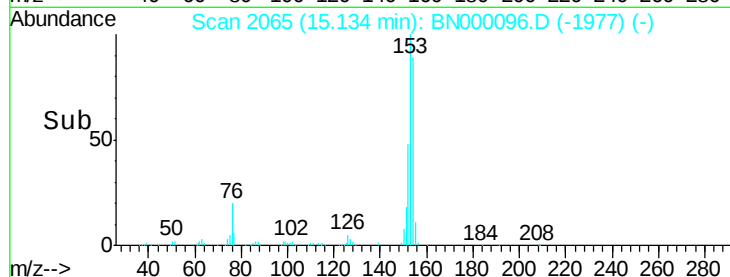
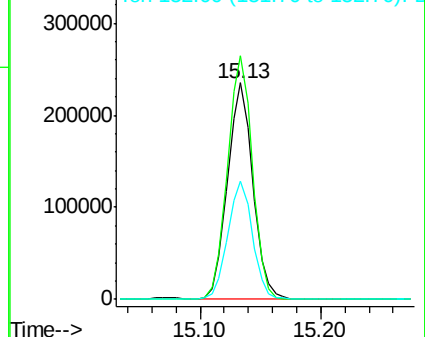
152 54.3 41.6 62.4



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: 5.092 ng

RT: 14.96 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

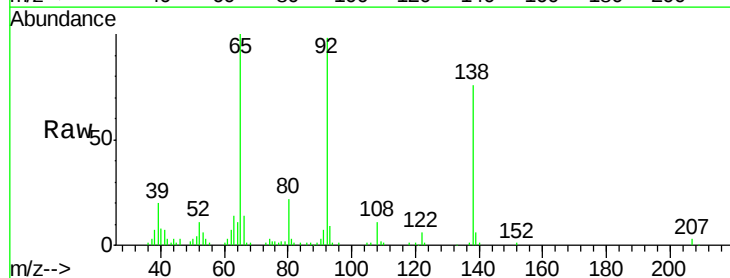
Tgt Ion:138 Resp: 74975

Ion Ratio Lower Upper

138 100

108 14.7 17.5 26.3#

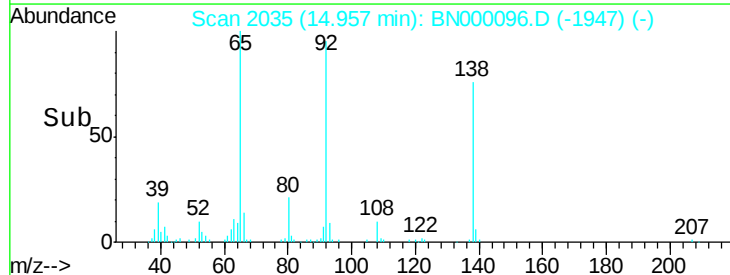
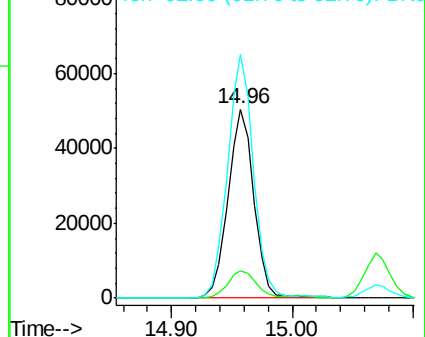
92 129.0 105.8 158.8

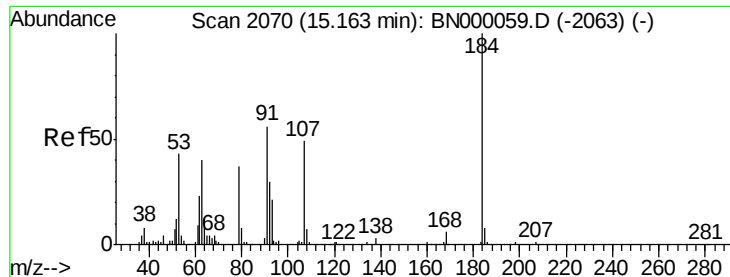


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

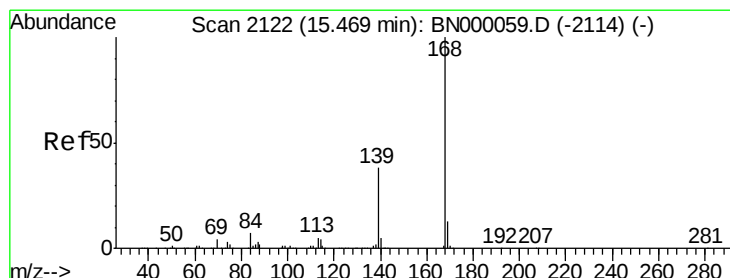
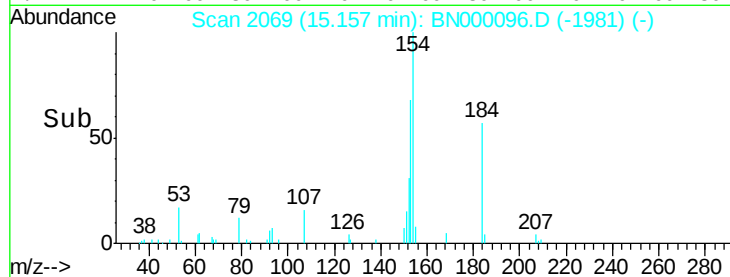
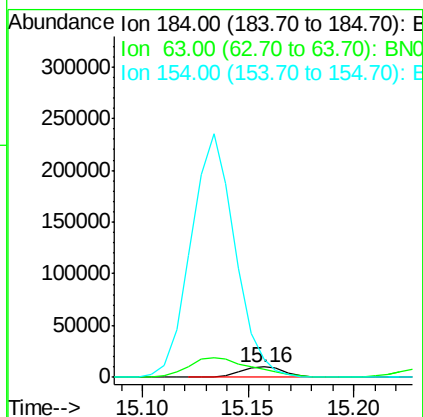
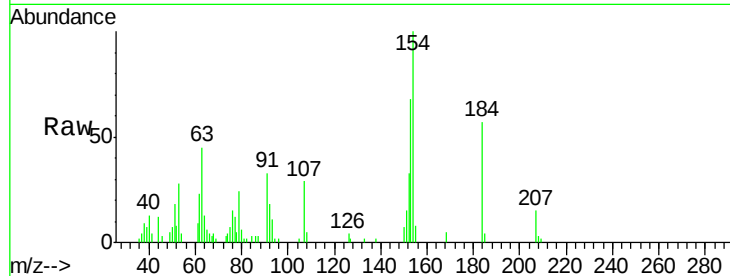




#53
2,4-Dinitrophenol
Concen: 12.252 ng
RT: 15.16 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

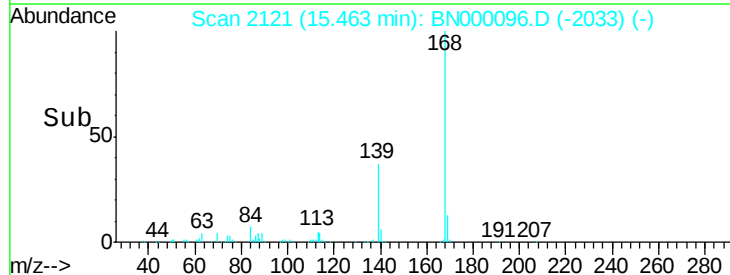
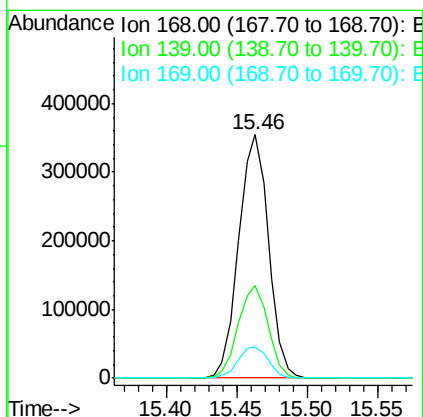
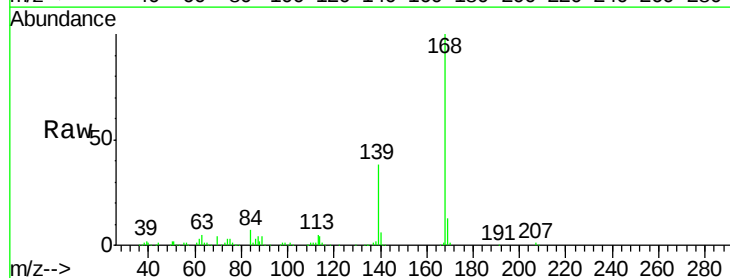
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

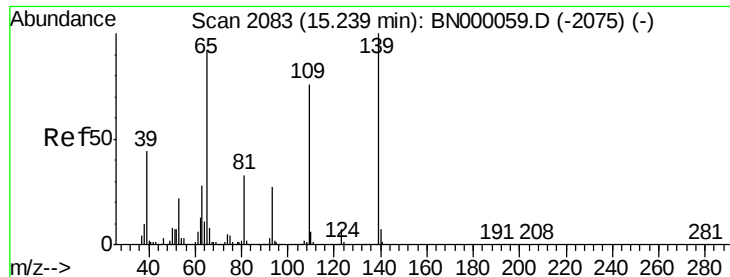
Tot Ion:184 Resp: 14687
Ion Ratio Lower Upper
184 100
63 77.9 80.0 120.0#
154 174.6 308.0 462.0#



#54
Dibenzofuran
Concen: 7.584 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:168 Resp: 522521
Ion Ratio Lower Upper
168 100
139 37.9 28.6 43.0
169 12.8 11.2 16.8





#55

4-Nitrophenol

Concen: 8.695 ng

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

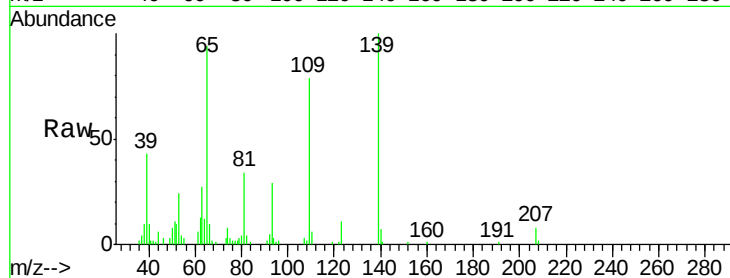
Tot Ion:139 Resp: 47843

Ion Ratio Lower Upper

139 100

109 79.1 62.2 102.2

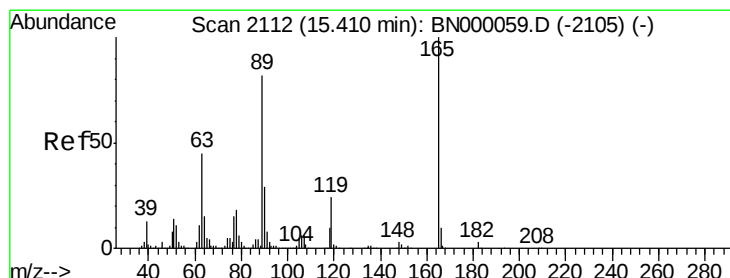
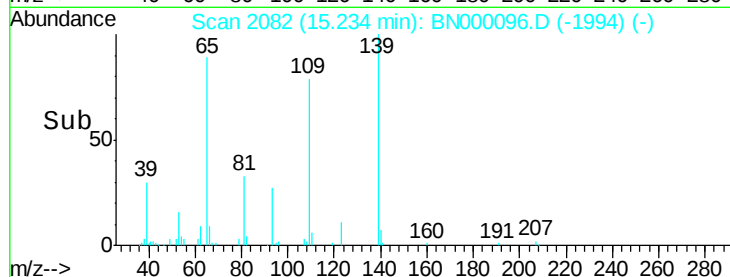
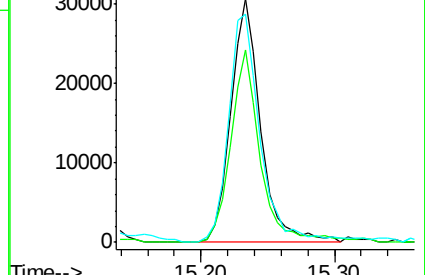
65 93.7 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC



#56

2,4-Dinitrotoluene

Concen: 7.981 ng

RT: 15.40 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion:165 Resp: 72156

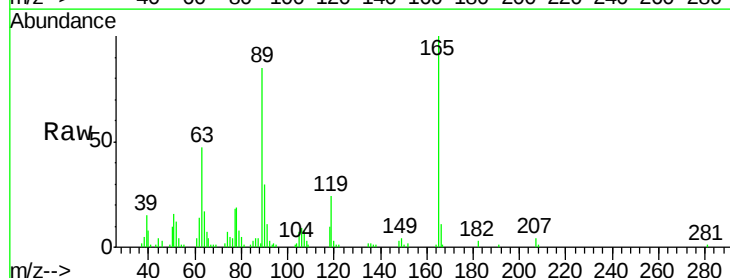
Ion Ratio Lower Upper

165 100

63 46.6 42.0 63.0

89 85.1 66.9 100.3

182 3.0 2.6 3.8

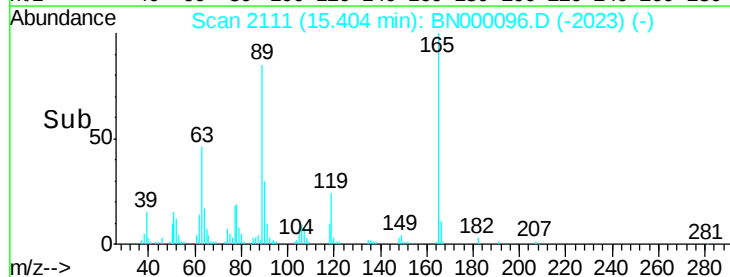
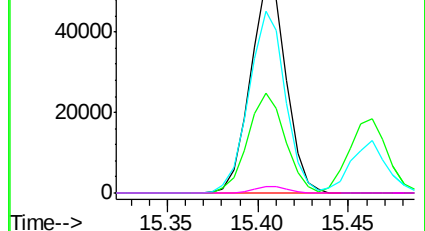


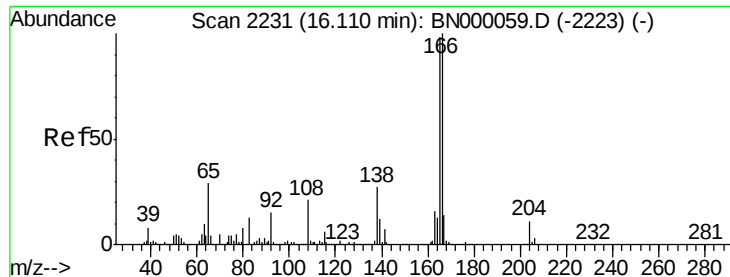
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E

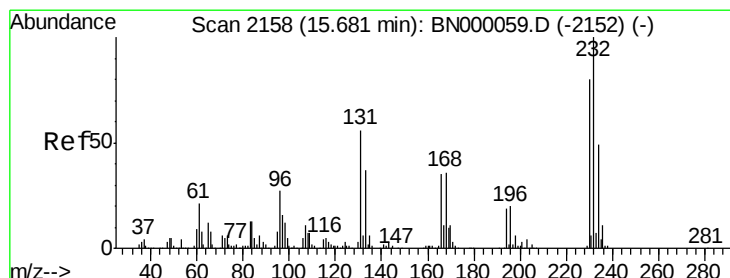
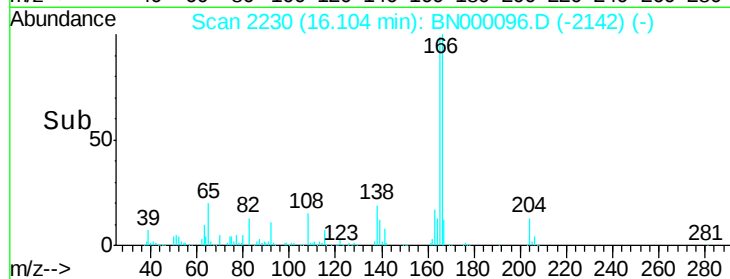
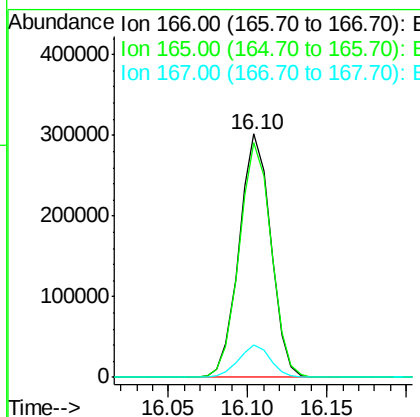
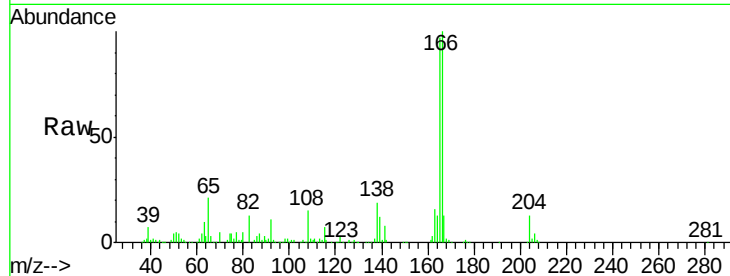




#57
 Fluorene
 Concen: 7.454 ng
 RT: 16.10 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

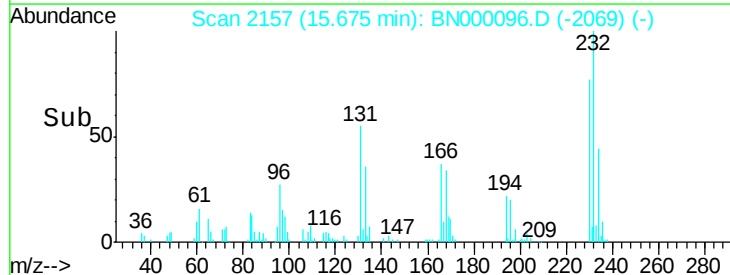
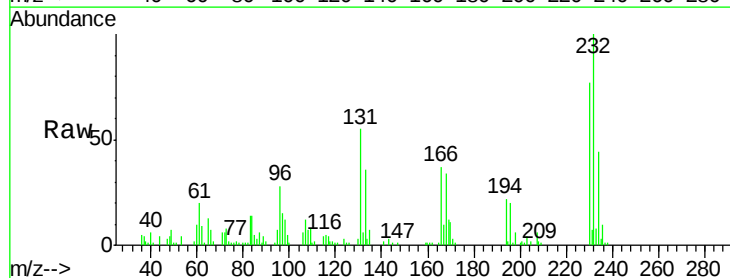
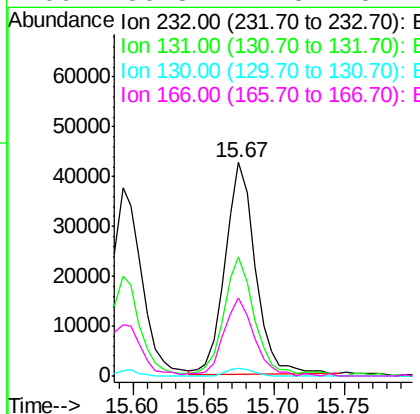
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

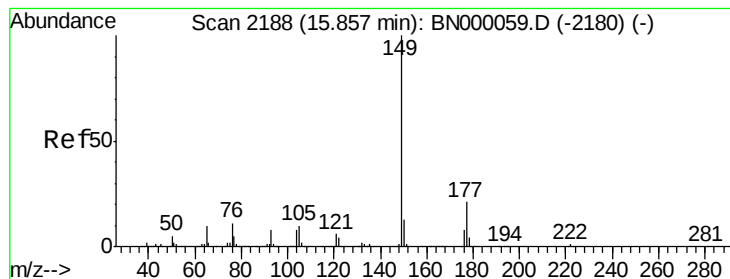
Tot Ion	166	Resp	419307
Ion Ratio	100	Lower	Upper
165	96.5	80.6	121.0
167	13.1	10.4	15.6



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.410 ng
 RT: 15.67 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion	232	Resp	63731
Ion Ratio	100	Lower	Upper
232	100		
131	57.3	33.5	50.3#
130	3.1	2.2	3.2
166	36.8	24.8	37.2





#59

Diethylphthalate

Concen: 6.577 ng

RT: 15.85 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

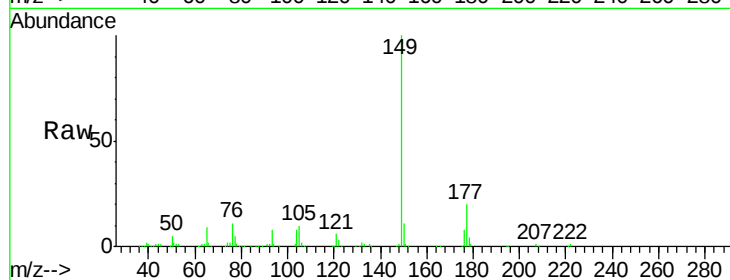
Tot Ion:149 Resp: 392177

Ion Ratio Lower Upper

149 100

177 20.0 18.5 27.7

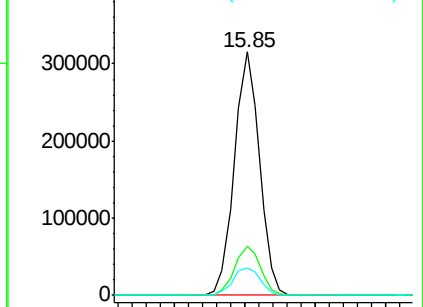
150 11.2 10.2 15.2



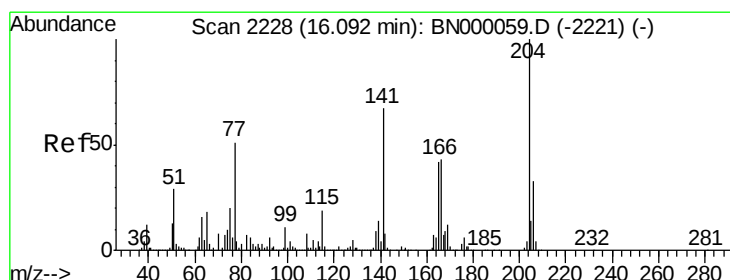
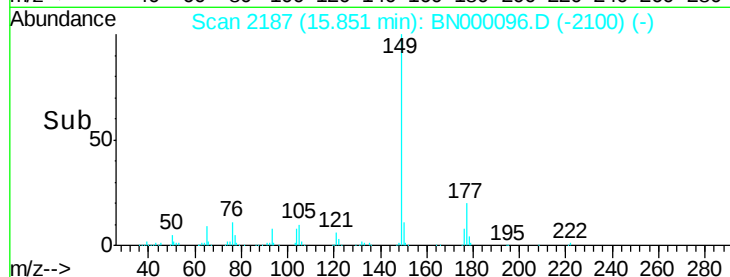
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->



#60

4-Chlorophenyl-phenylether

Concen: 7.485 ng

RT: 16.09 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

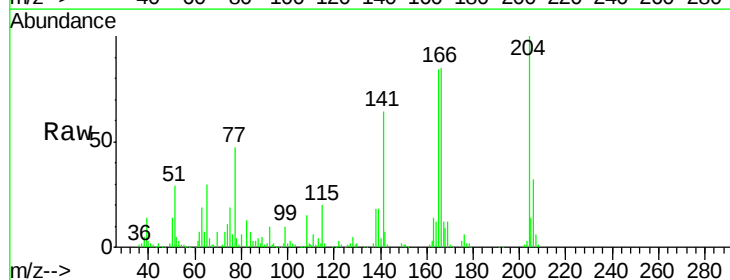
Tgt Ion:204 Resp: 191880

Ion Ratio Lower Upper

204 100

206 32.0 26.2 39.2

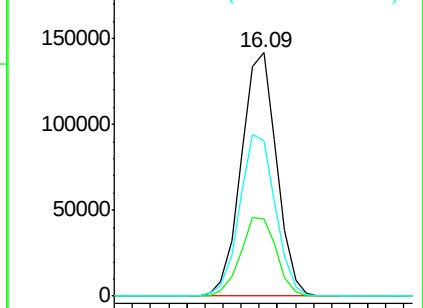
141 63.8 45.8 68.6



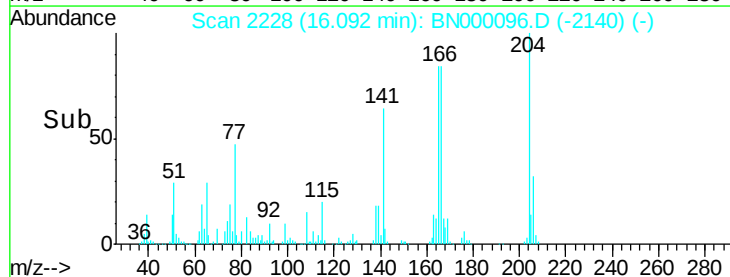
Abundance Ion 204.00 (203.70 to 204.70): E

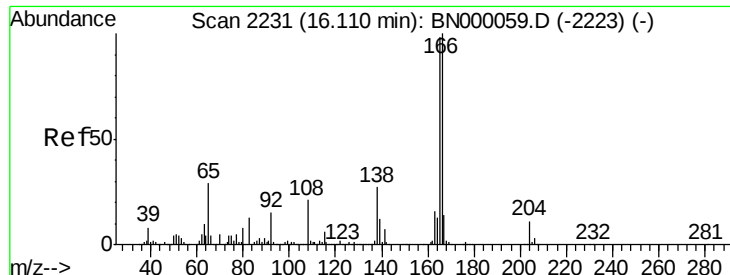
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

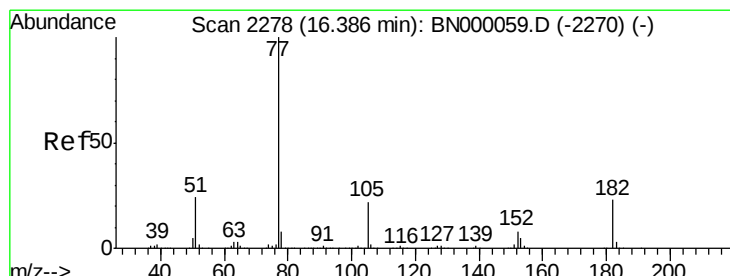
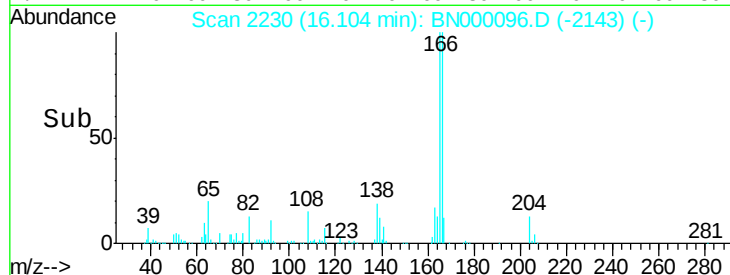
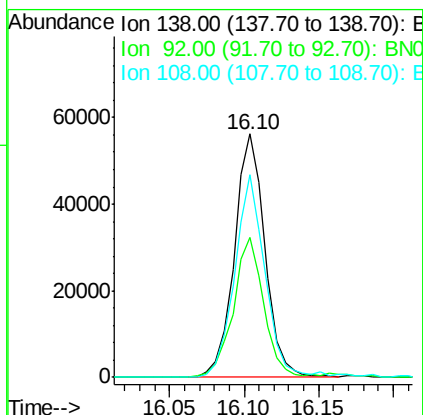
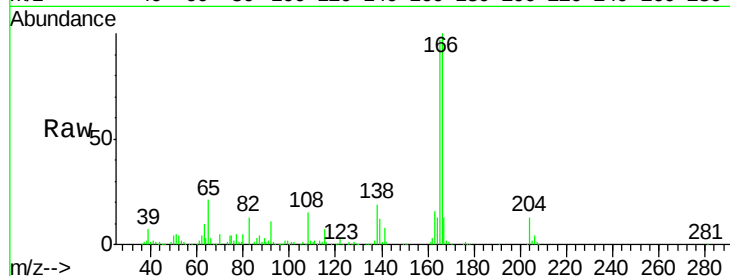




#61
4-Nitroaniline
Concen: 5.289 ng
RT: 16.10 min Scan# 2230
Delta R.T. -0.02 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

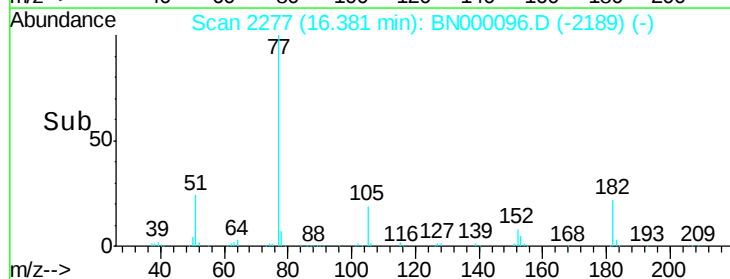
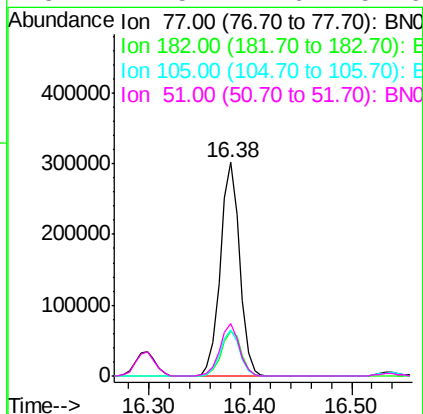
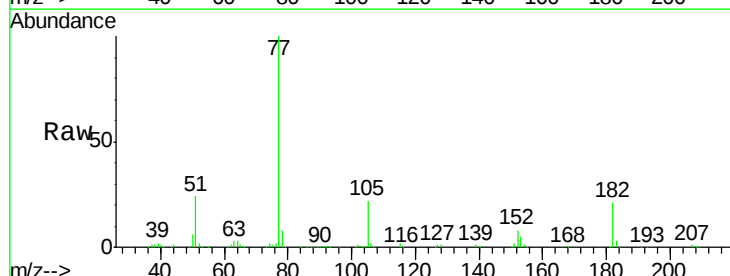
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

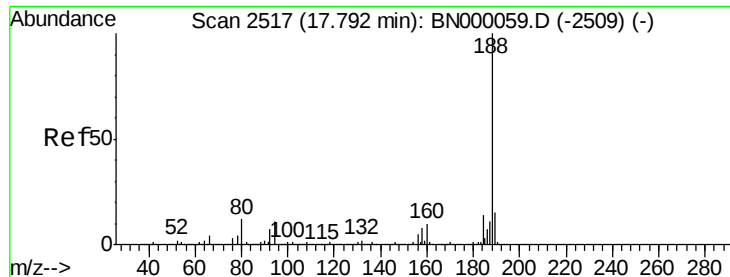
Tot Ion:138 Resp: 80013
Ion Ratio Lower Upper
138 100
92 57.6 40.1 80.1
108 83.0 65.4 105.4



#62
Azobenzene
Concen: 6.717 ng
RT: 16.38 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion: 77 Resp: 398721
Ion Ratio Lower Upper
77 100
182 21.2 7.4 47.4
105 21.8 0.3 40.3
51 24.5 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.79 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

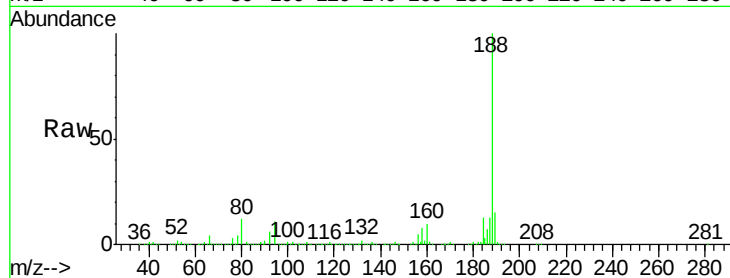
Tot Ion:188 Resp: 1649559

Ion Ratio Lower Upper

188 100

94 11.3 6.9 10.3#

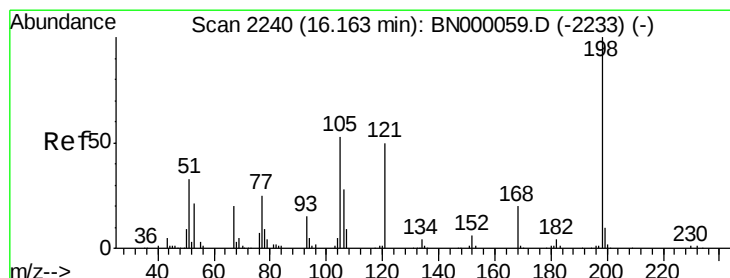
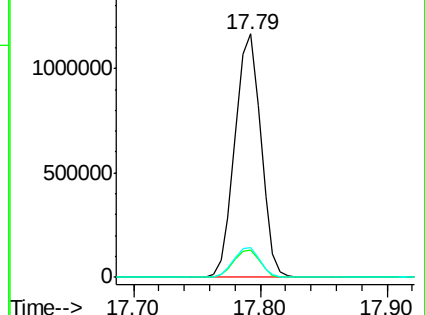
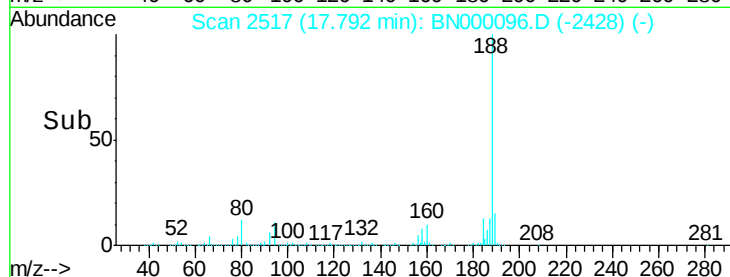
80 12.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#64

4,6-Dinitro-2-methylphenol

Concen: 11.620 ng

RT: 16.16 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

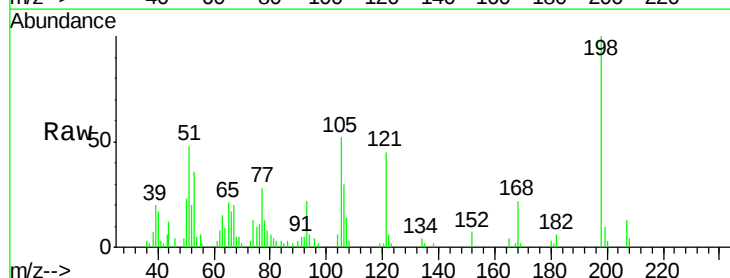
Tgt Ion:198 Resp: 27794

Ion Ratio Lower Upper

198 100

51 48.3 30.6 70.6

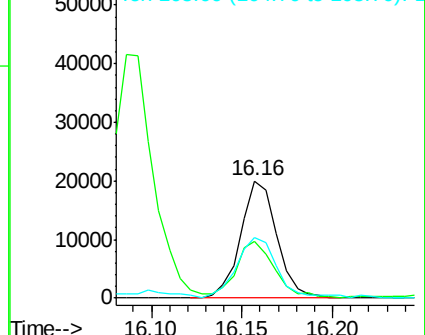
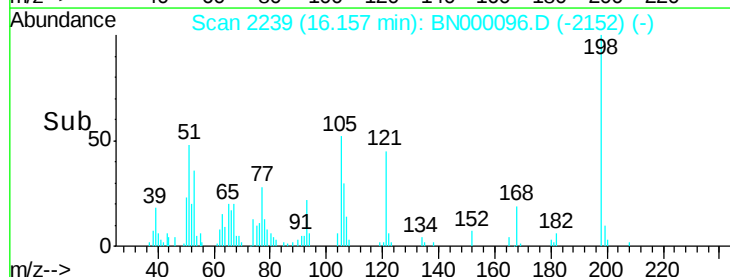
105 51.8 23.8 63.8

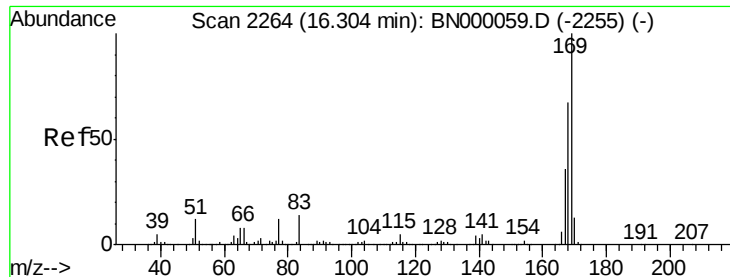


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

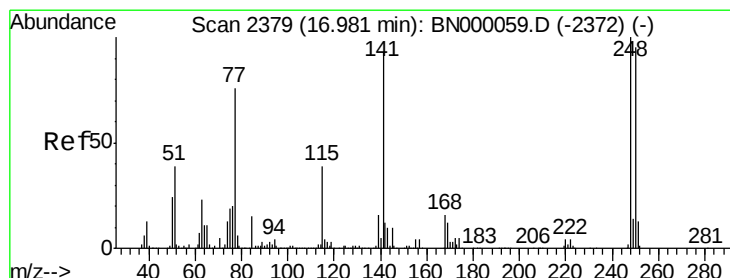
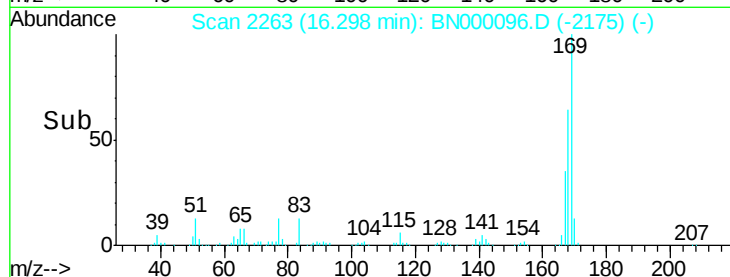
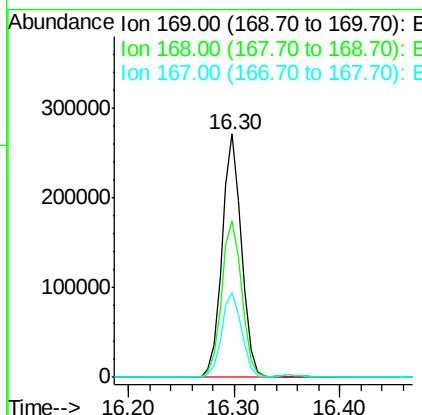
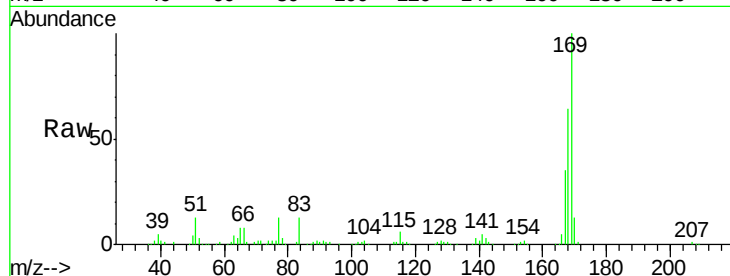




#65
n-Nitrosodiphenylamine
Concen: 6.459 ng
RT: 16.30 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

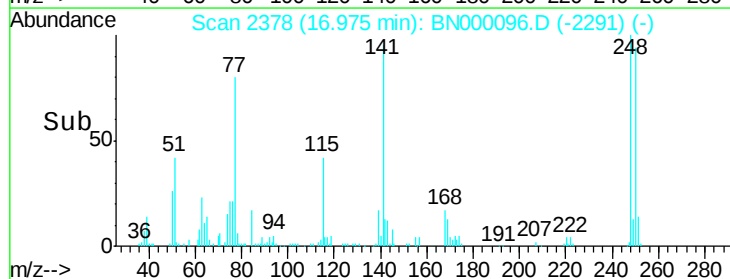
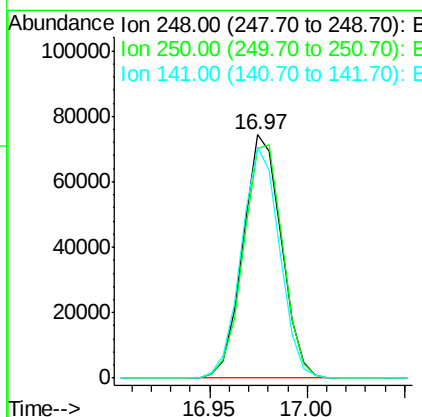
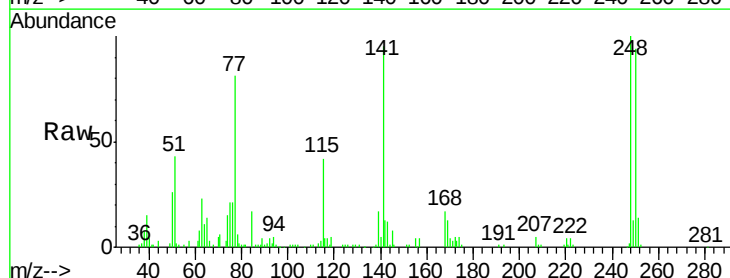
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

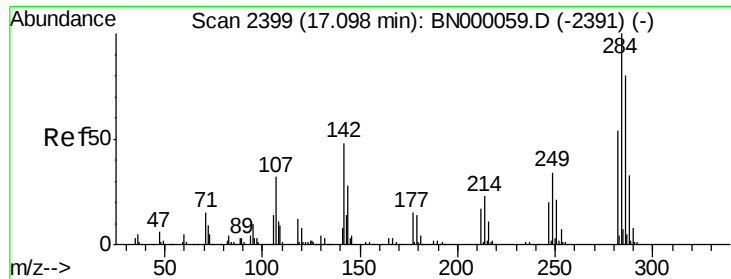
Tot Ion:169 Resp: 346673
Ion Ratio Lower Upper
169 100
168 64.2 55.7 83.5
167 34.9 30.1 45.1



#66
4-Bromophenyl-phenylether
Concen: 6.466 ng
RT: 16.97 min Scan# 2378
Delta R.T. -0.02 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:248 Resp: 101428
Ion Ratio Lower Upper
248 100
250 94.2 77.1 115.7
141 94.8 50.8 76.2#





#67

Hexachlorobenzene

Concen: 6.884 ng

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

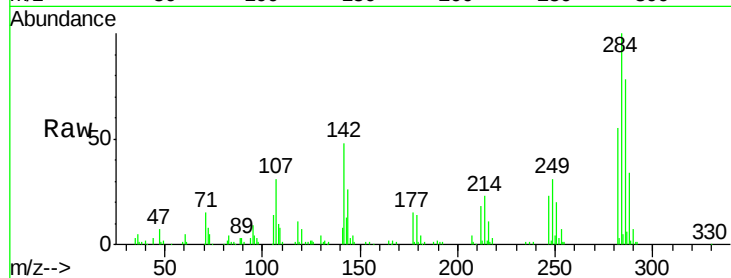
Instrument :

BNA_N

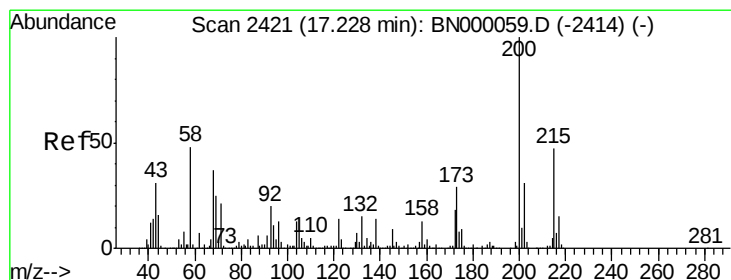
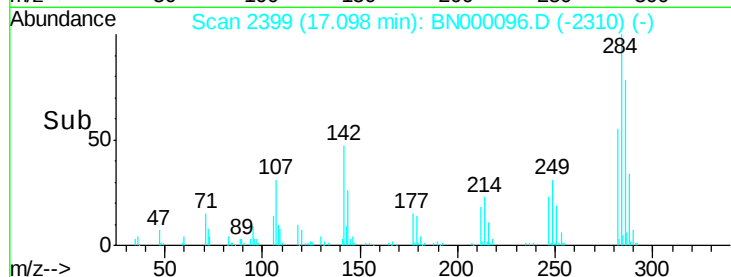
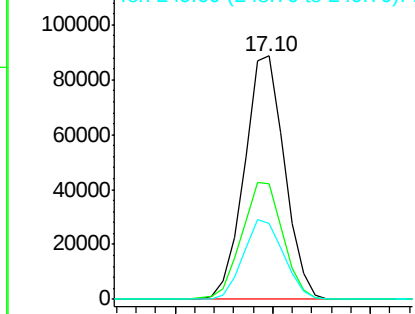
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	284	Resp:	126110
Ion	Ratio	Lower	Upper
284	100		
142	47.5	26.8	40.2#
249	31.4	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: 4.905 ng

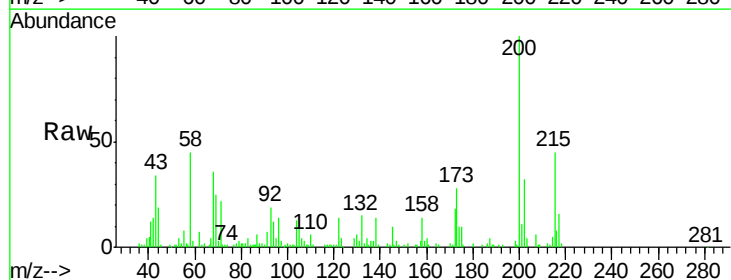
RT: 17.22 min Scan# 2420

Delta R.T. -0.02 min

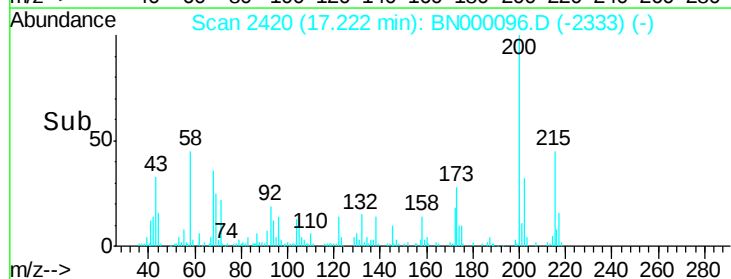
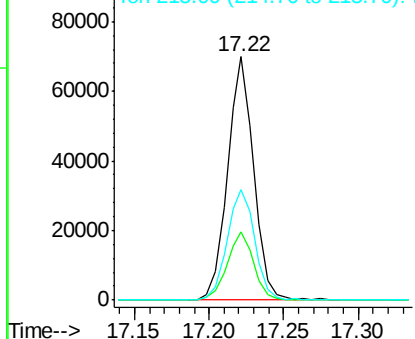
Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion:	200	Resp:	85690
Ion	Ratio	Lower	Upper
200	100		
173	28.0	5.2	45.2
215	45.3	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

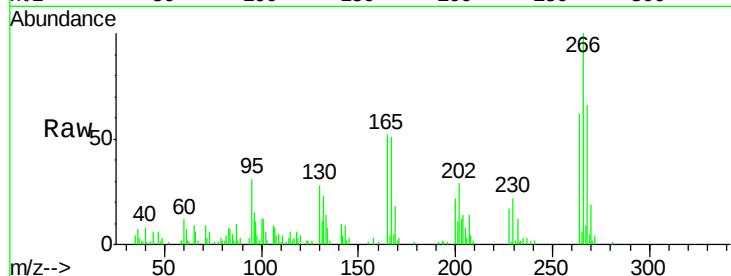




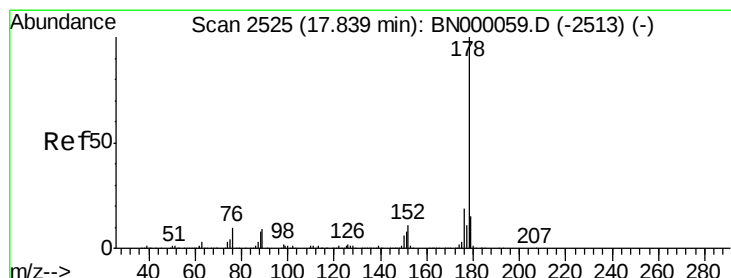
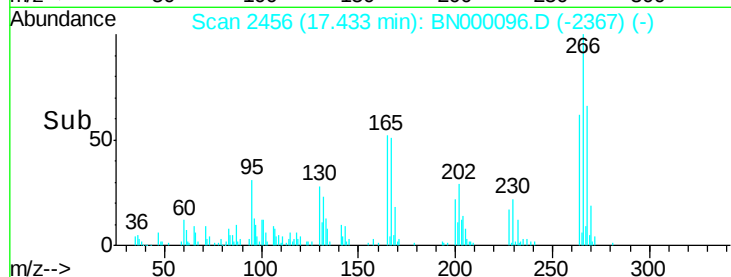
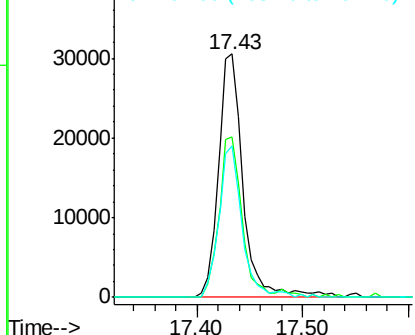
#69
 Pentachlorophenol
 Concen: 9.488 ng
 RT: 17.43 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.7	51.1	76.7
264	62.5	49.6	74.4

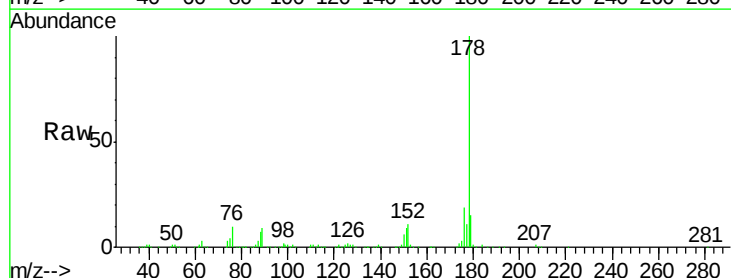


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

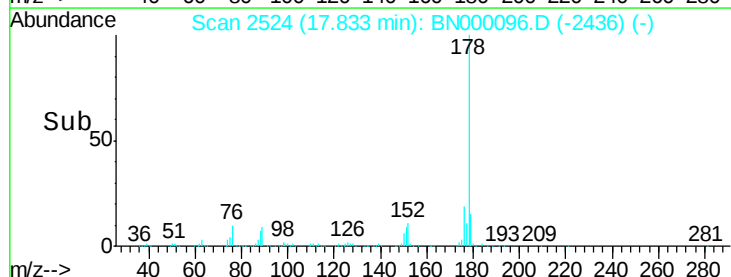
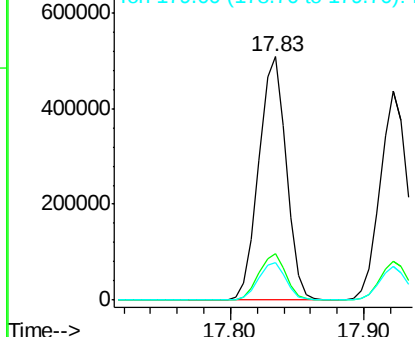


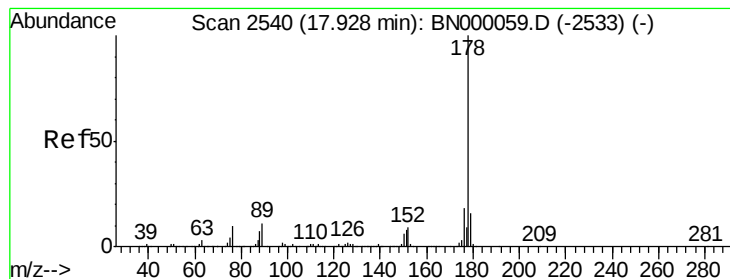
#70
 Phenanthrene
 Concen: 7.402 ng
 RT: 17.83 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.5	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: 6.740 ng

RT: 17.92 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

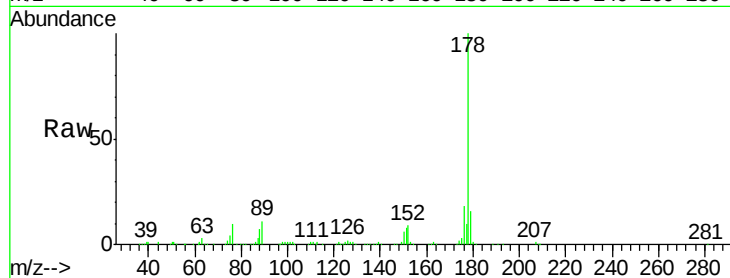
Tot Ion:178 Resp: 635920

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

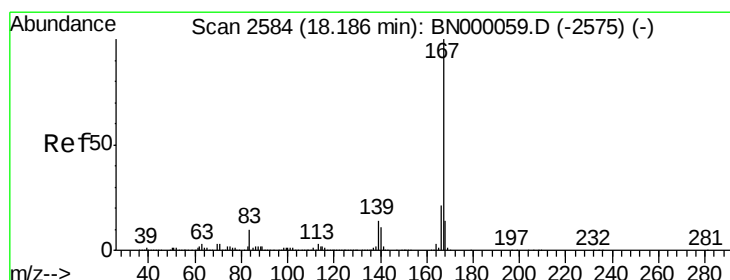
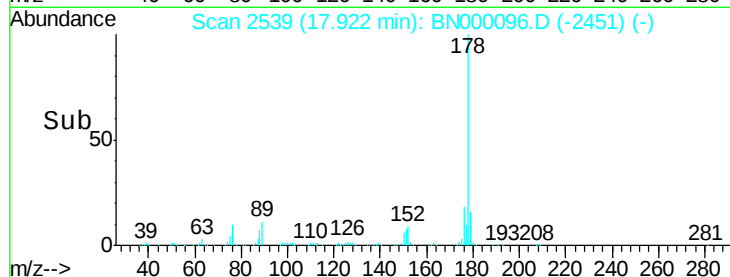
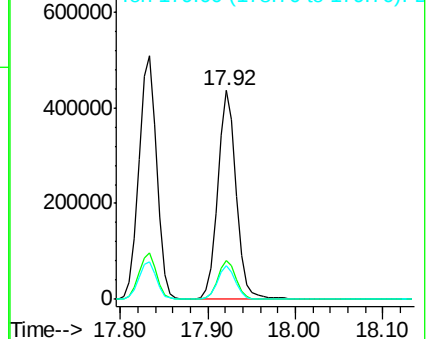
179 15.9 12.5 18.7



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



#72

Carbazole

Concen: 6.990 ng

RT: 18.18 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

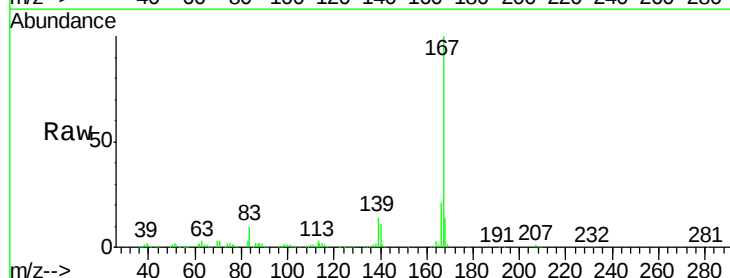
Tgt Ion:167 Resp: 664354

Ion Ratio Lower Upper

167 100

166 21.3 18.2 27.4

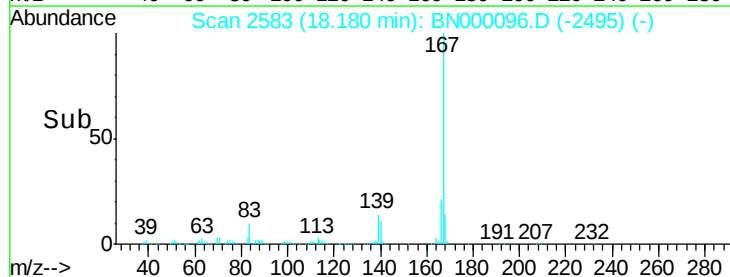
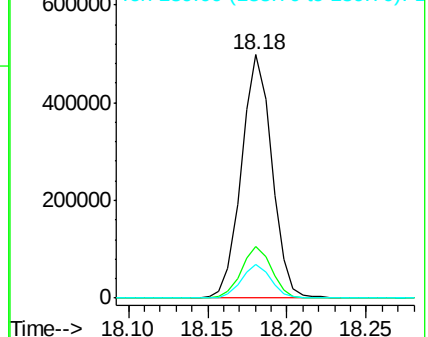
139 13.6 9.4 14.2

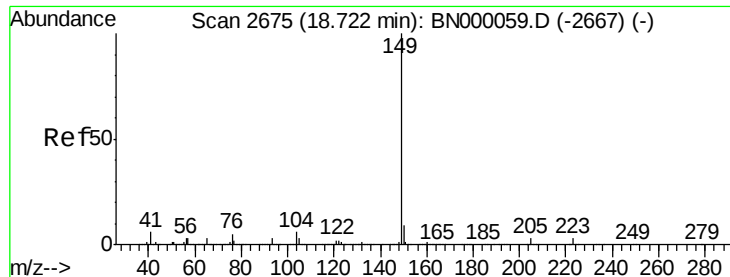


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 5.175 ng

RT: 18.72 min Scan# 2674

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

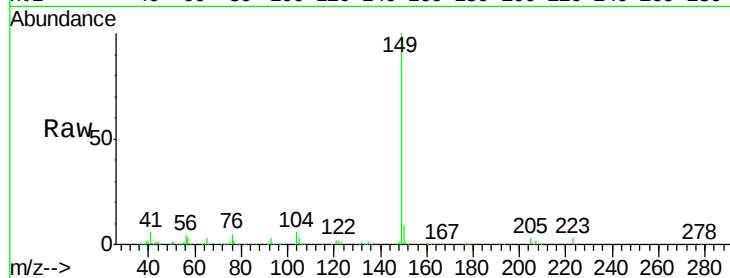
Tot Ion:149 Resp: 543005

Ion Ratio Lower Upper

149 100

150 8.6 7.8 11.6

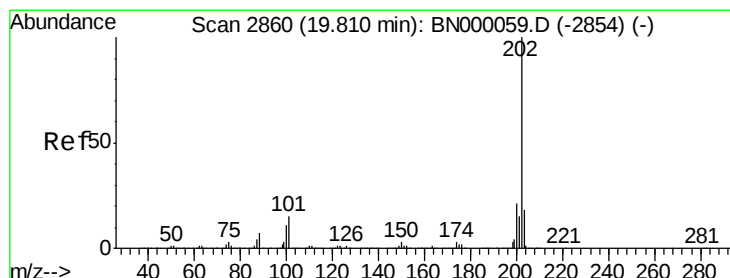
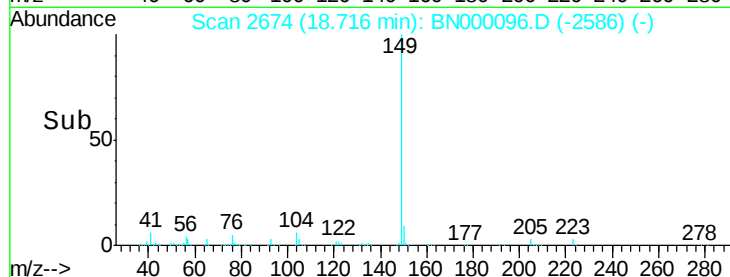
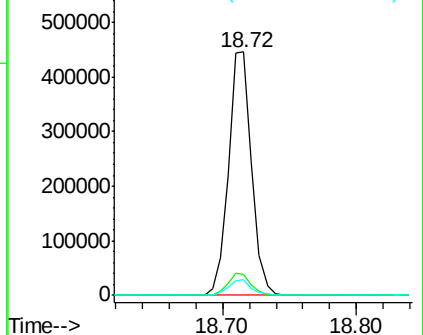
104 6.3 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 7.302 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

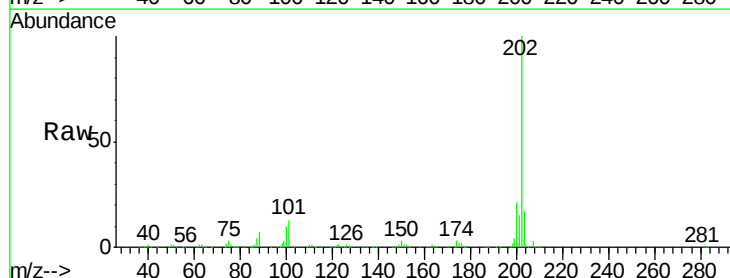
Tgt Ion:202 Resp: 746454

Ion Ratio Lower Upper

202 100

101 13.4 0.0 28.9

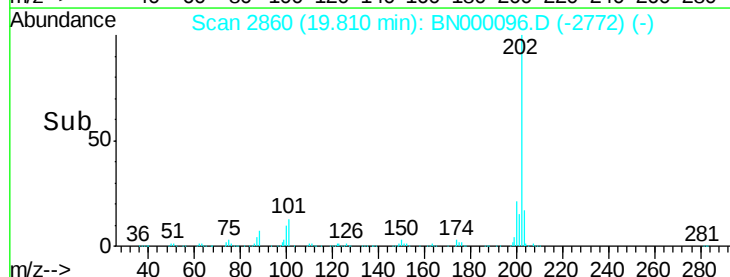
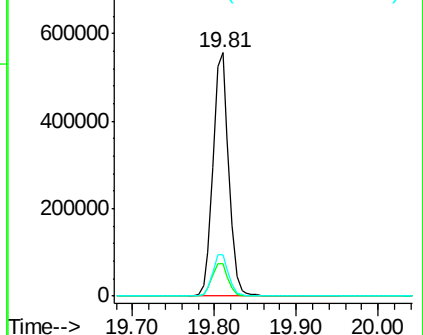
203 16.8 0.0 37.5

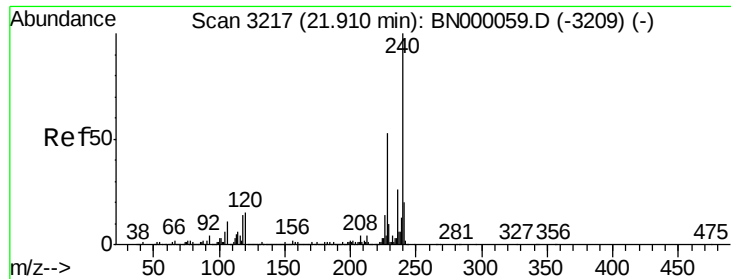


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

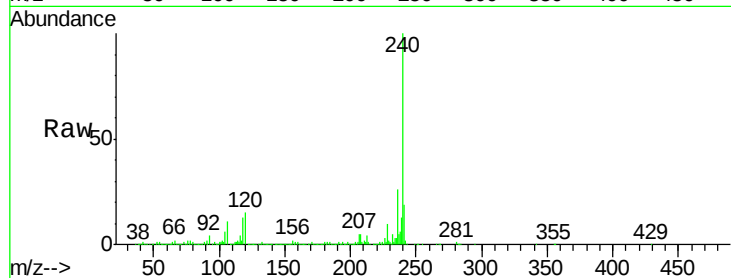
Tot Ion:240 Resp: 2051268

Ion Ratio Lower Upper

240 100

120 14.7 6.8 10.2#

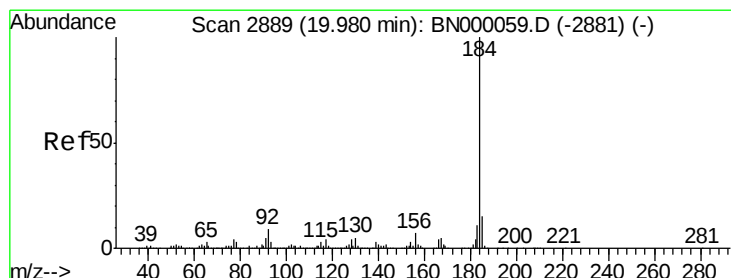
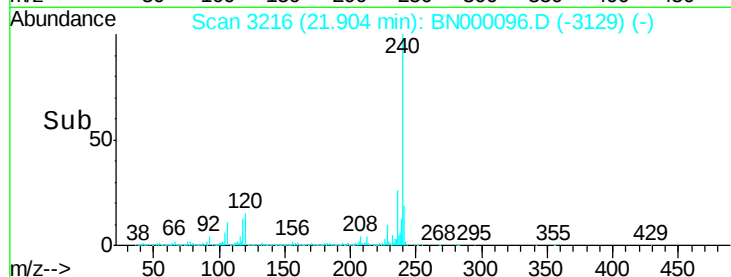
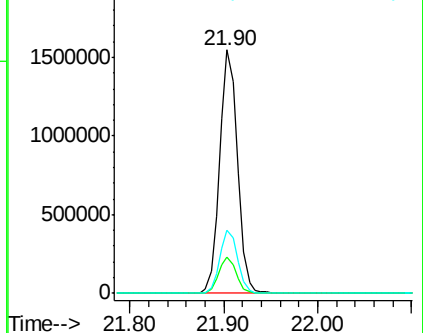
236 26.1 20.9 31.3



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: 2.691 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

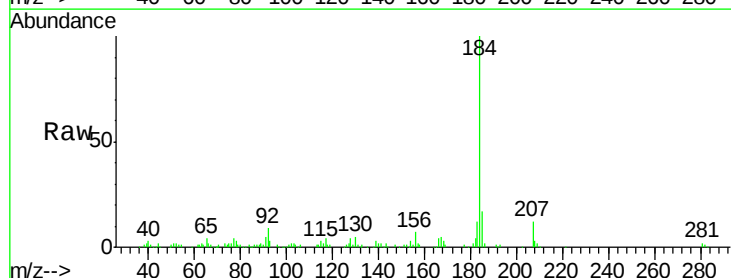
Tgt Ion:184 Resp: 175956

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7

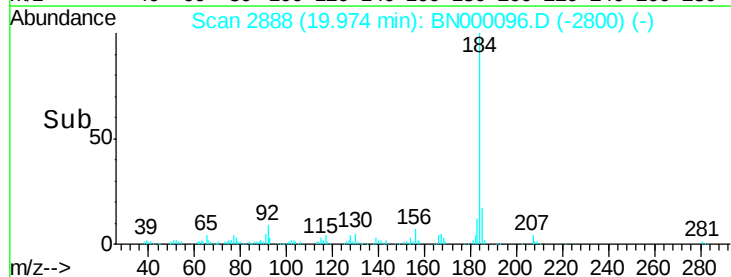
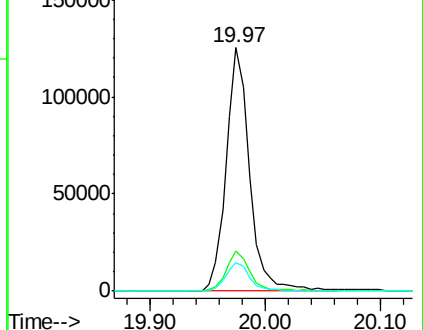
183 11.6 10.6 16.0

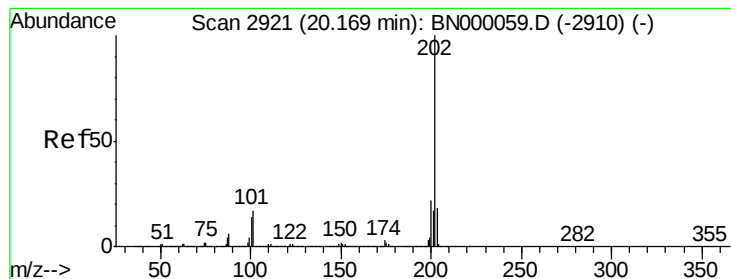


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.587 ng

RT: 20.17 min Scan# 2921

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

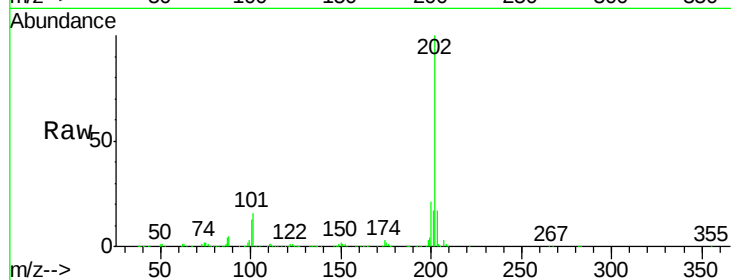
Tot Ion:202 Resp: 858747

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

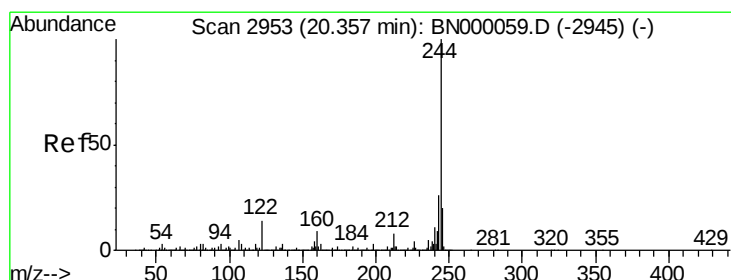
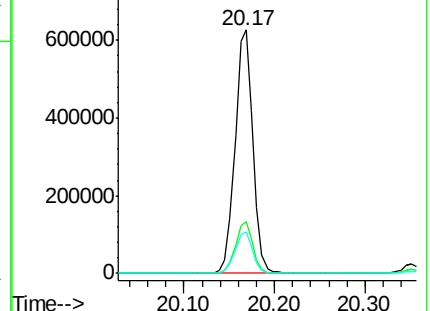
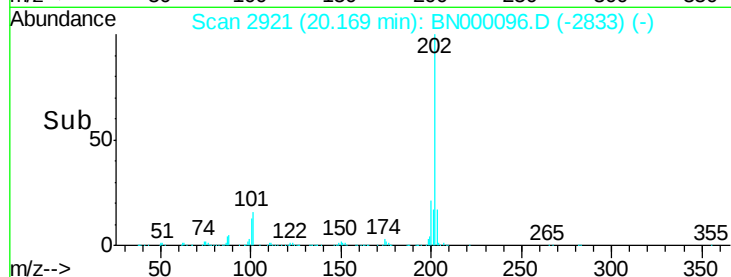
203 17.1 13.9 20.9



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: 93.198 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

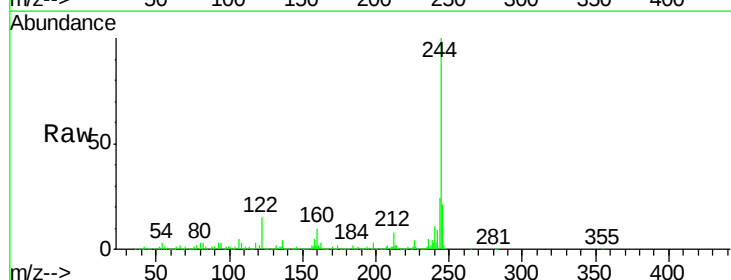
Tgt Ion:244 Resp: 7080186

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

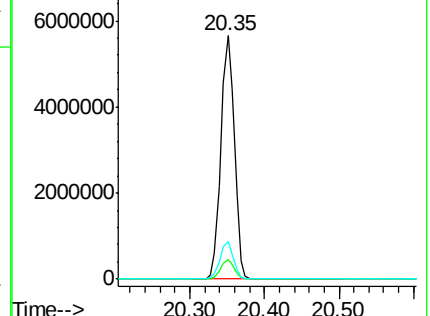
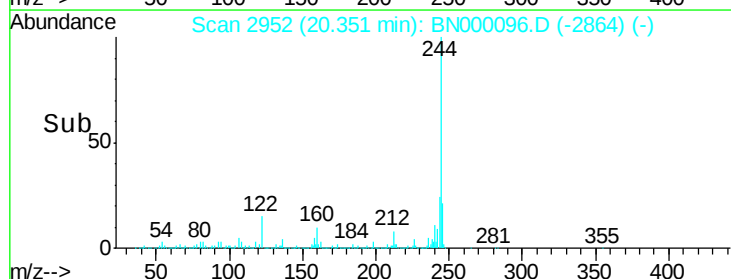
122 15.3 7.0 10.4#

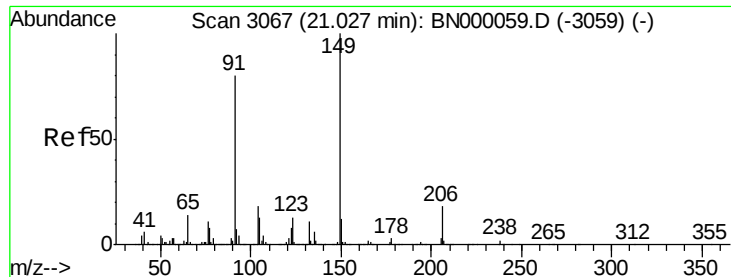


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

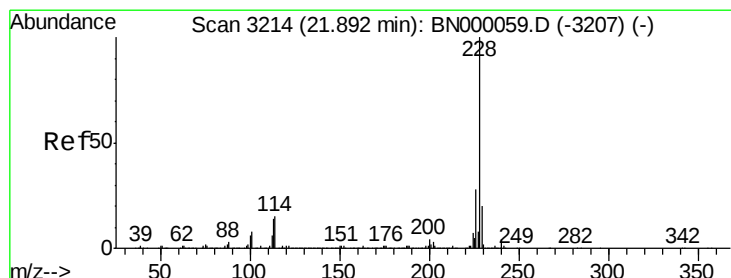
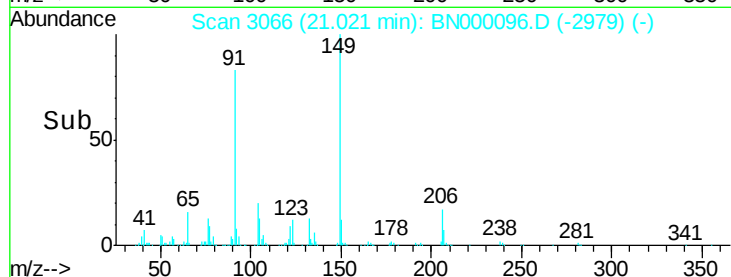
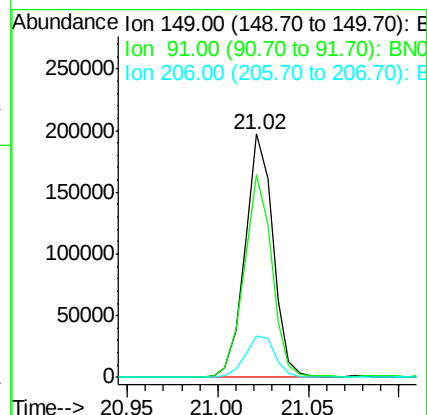
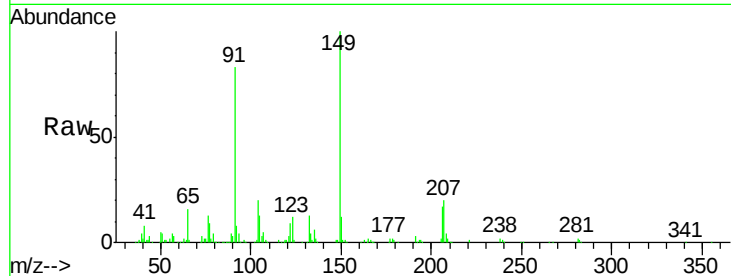




#79
Butylbenzylphthalate
Concen: 8.398 ng
RT: 21.02 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

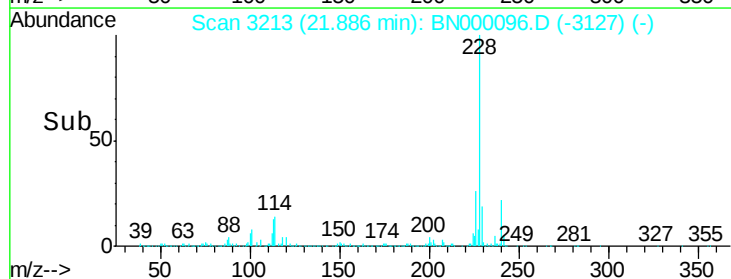
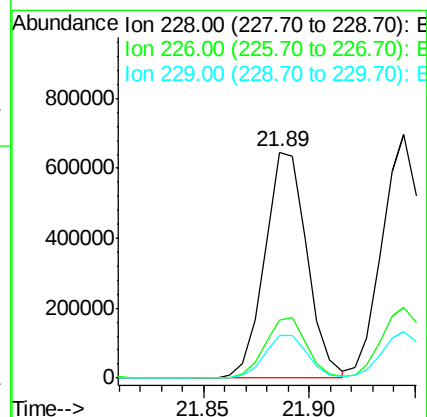
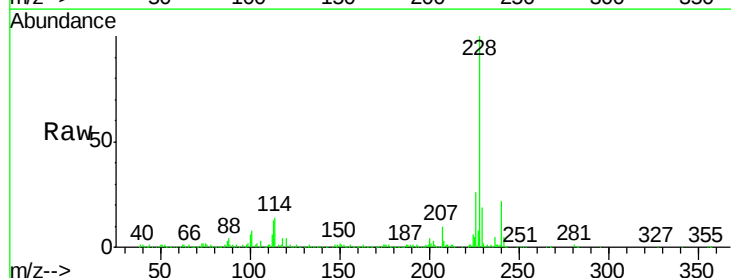
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

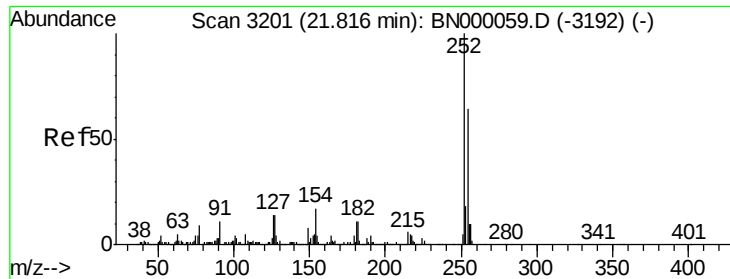
Tot Ion:149 Resp: 210477
Ion Ratio Lower Upper
149 100
91 83.2 62.2 93.2
206 17.2 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 7.116 ng
RT: 21.89 min Scan# 3213
Delta R.T. -0.02 min
Lab File: BN000096.D
Acq: 15 Feb 2018 14:41

Tgt Ion:228 Resp: 897172
Ion Ratio Lower Upper
228 100
226 25.9 22.7 34.1
229 18.6 16.2 24.2

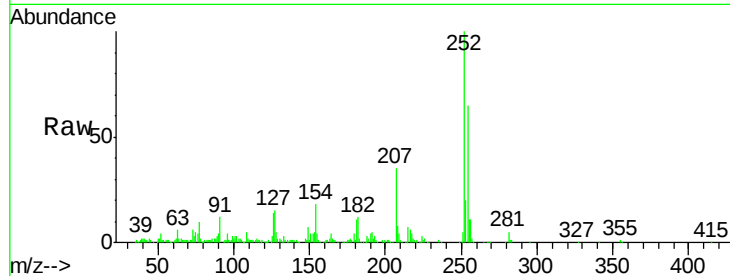




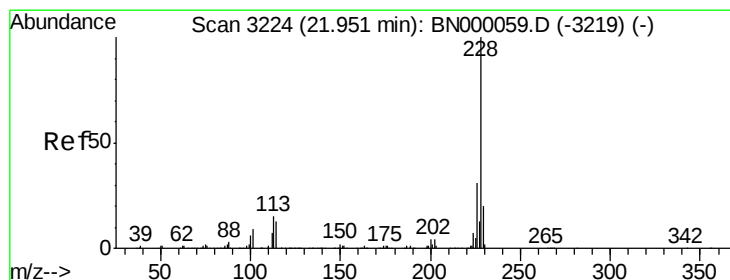
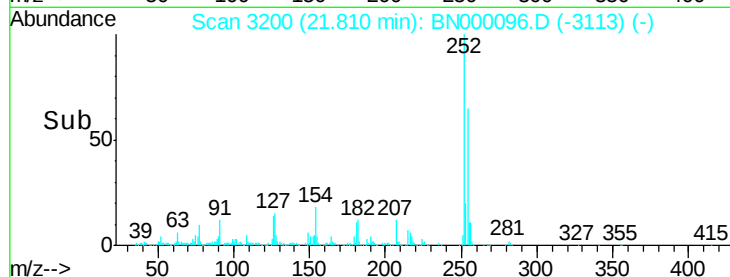
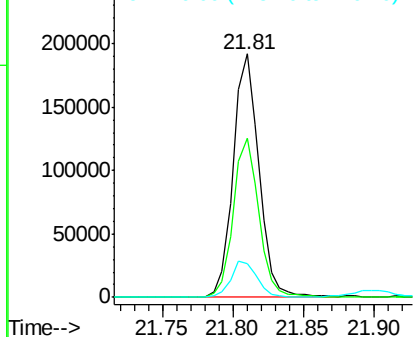
#81
 3,3'-Dichlorobenzidine
 Concen: 5.288 ng
 RT: 21.81 min Scan# 3200
 Delta R.T. -0.02 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:252 Resp: 244861
 Ion Ratio Lower Upper
 252 100
 254 65.5 50.8 76.2
 126 13.8 7.4 11.2#

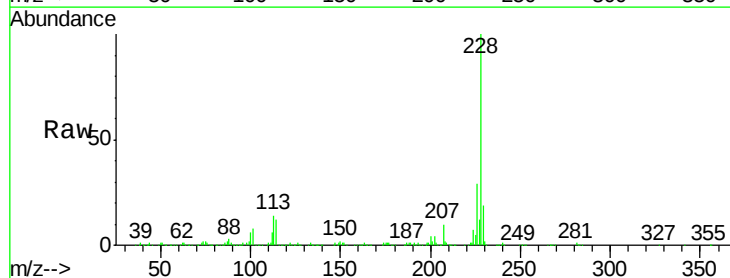


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

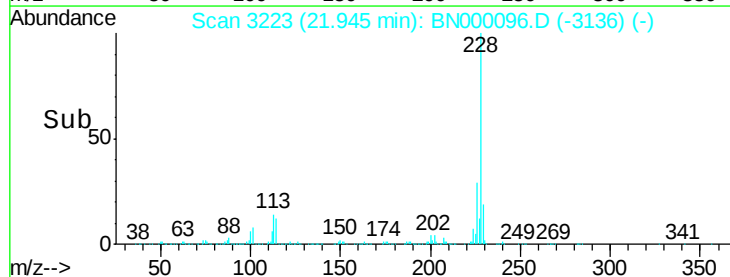
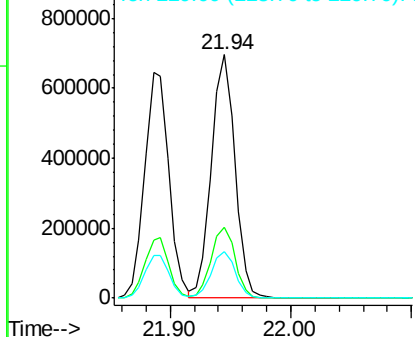


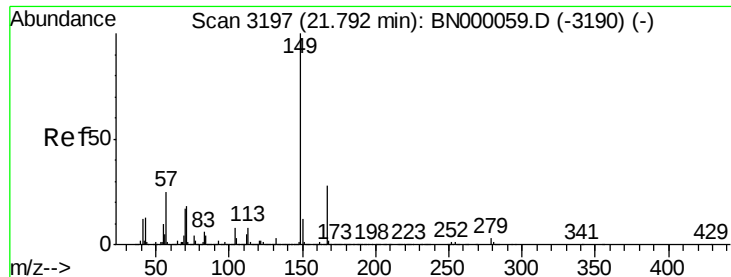
#82
 Chrysene
 Concen: 7.467 ng
 RT: 21.94 min Scan# 3223
 Delta R.T. -0.02 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion:228 Resp: 938219
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.9 37.3
 229 19.0 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

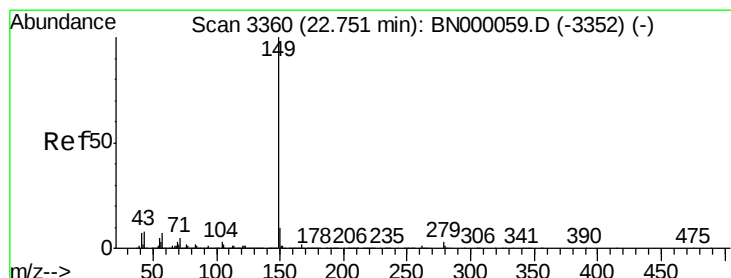
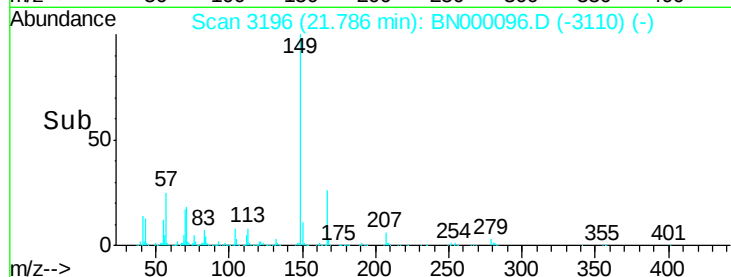
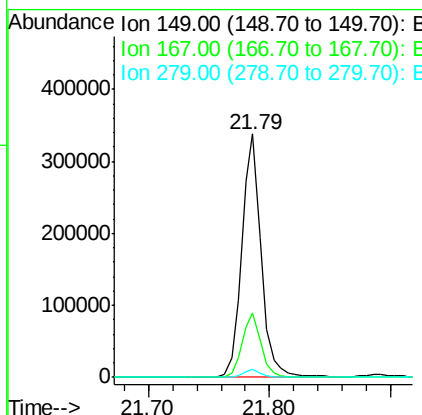
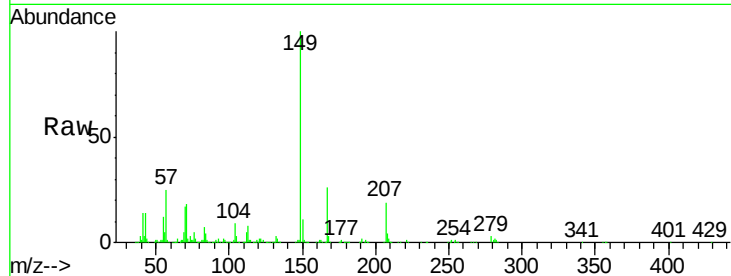




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.730 ng
 RT: 21.79 min Scan# 3196
 Delta R.T. -0.02 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

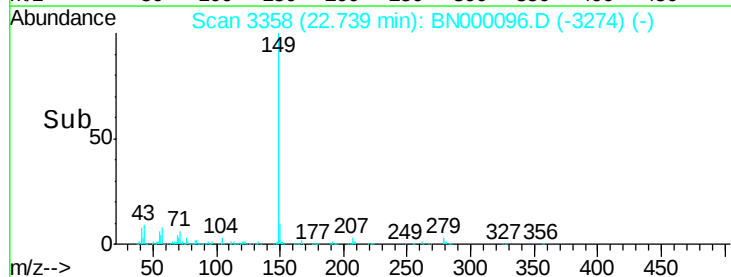
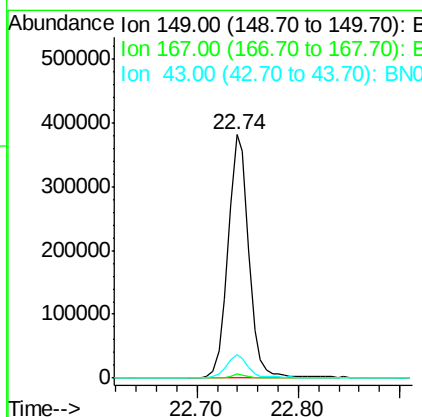
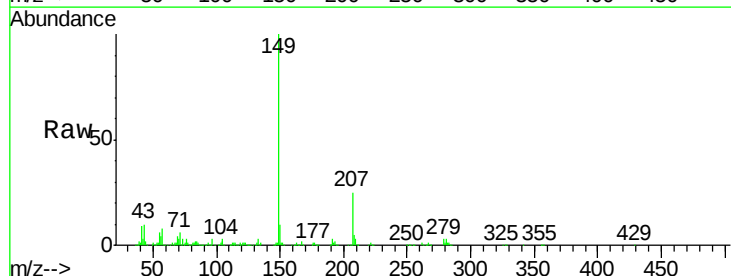
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

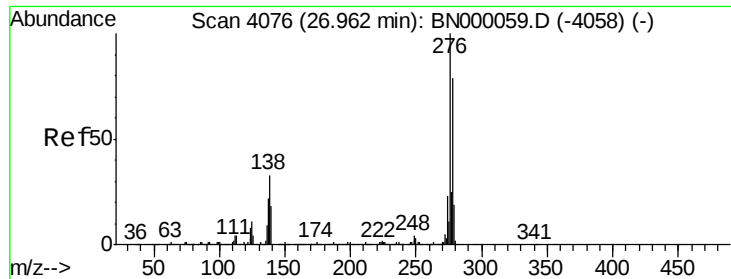
Tot Ion	149	Resp	373863
Ion	Ratio	Lower	Upper
149	100		
167	26.4	24.3	36.5
279	3.2	4.0	6.0



#84
 Di-n-octyl phthalate
 Concen: 9.371 ng
 RT: 22.74 min Scan# 3358
 Delta R.T. -0.04 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion	149	Resp	536643
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	9.9	8.9	13.3

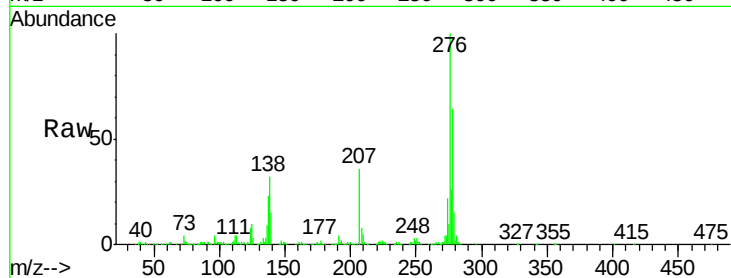




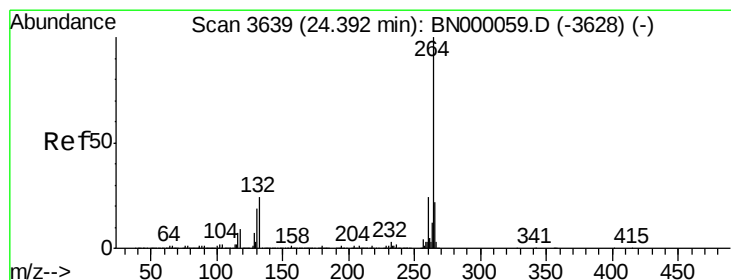
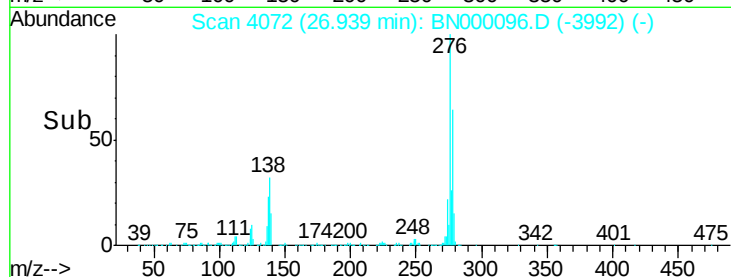
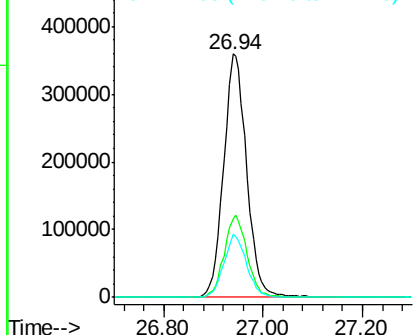
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.477 ng
 RT: 26.94 min Scan# 4072
 Delta R.T. -0.06 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:276 Resp: 1154077
 Ion Ratio Lower Upper
 276 100
 138 33.5 16.0 24.0#
 277 25.2 20.0 30.0

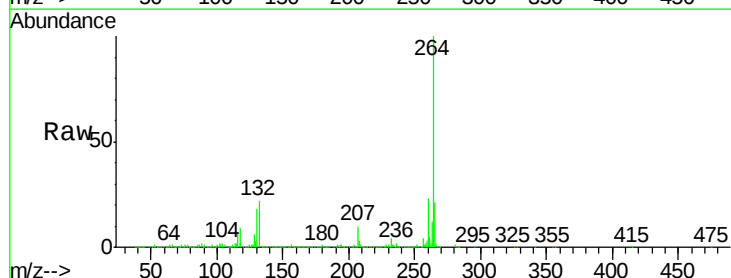


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

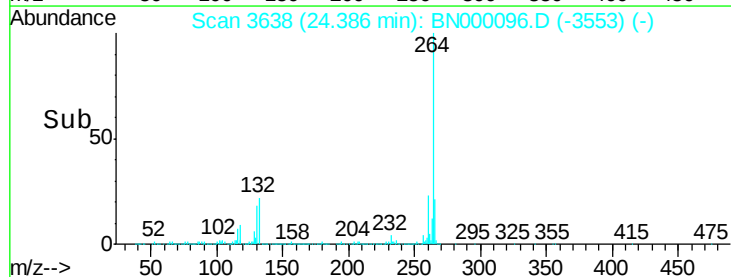
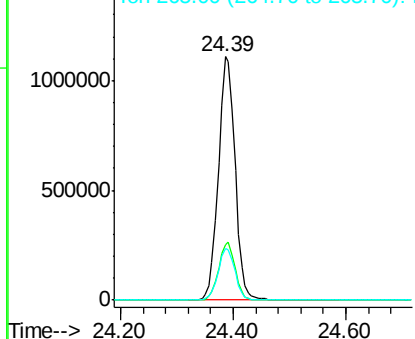


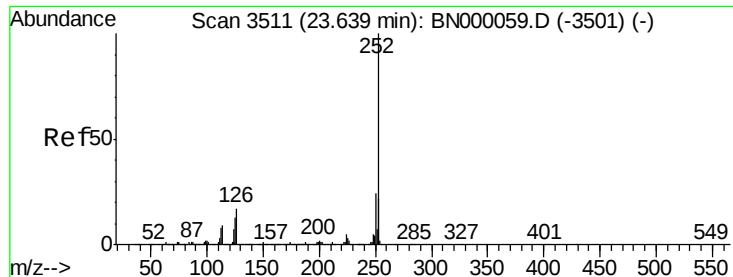
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.39 min Scan# 3638
 Delta R.T. -0.03 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Tgt Ion:264 Resp: 2275721
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.4 26.0
 265 21.3 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: 7.108 ng

RT: 23.63 min Scan# 3509

Delta R.T. -0.03 min

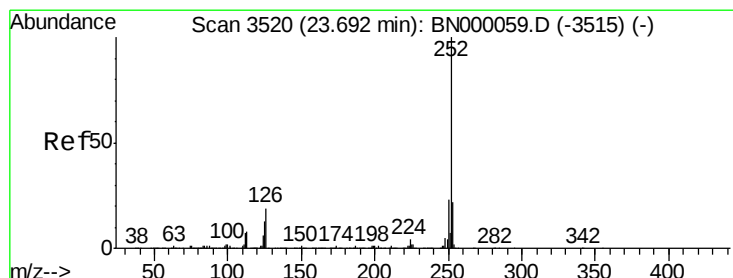
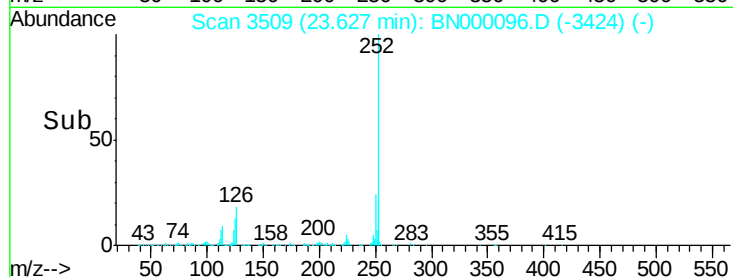
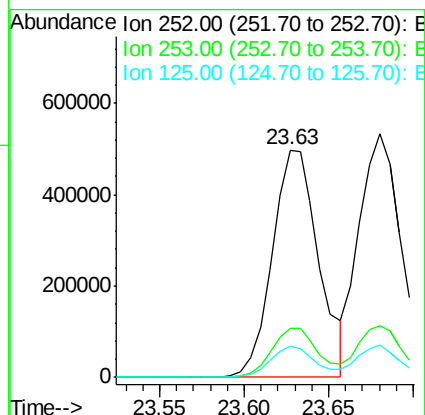
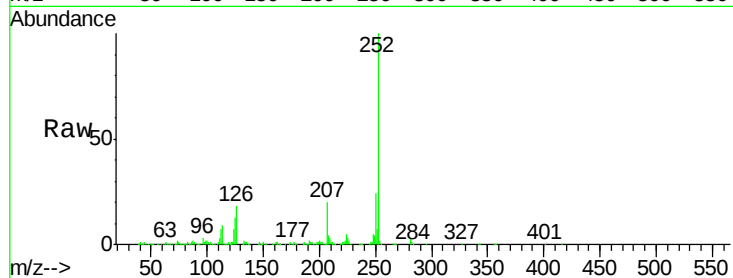
Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:252 Resp: 946866

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.4
125	13.5	7.2	10.8#



#88

Benzo(k)fluoranthene

Concen: 7.005 ng

RT: 23.68 min Scan# 3518

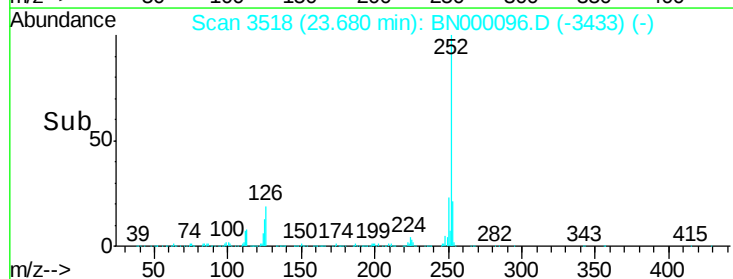
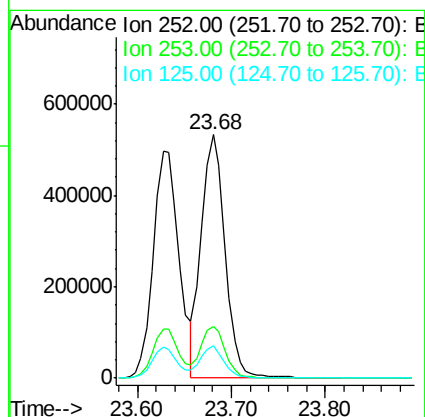
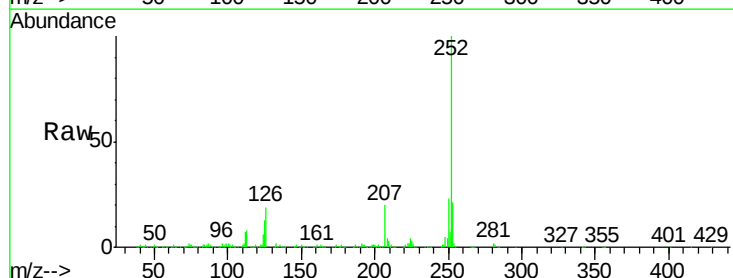
Delta R.T. -0.03 min

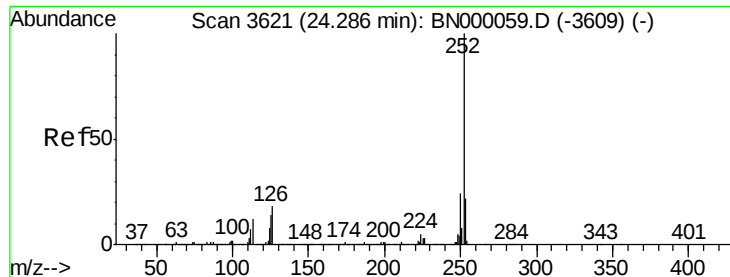
Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Tgt Ion:252 Resp: 939805

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.2
125	13.4	6.6	9.8#





#89

Benzo(a)pyrene

Concen: 6.796 ng

RT: 24.28 min Scan# 3620

Delta R.T. -0.03 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

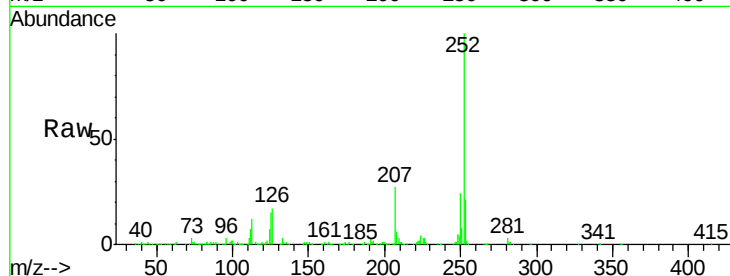
Tot Ion:252 Resp: 868087

Ion Ratio Lower Upper

252 100

253 20.8 18.3 27.5

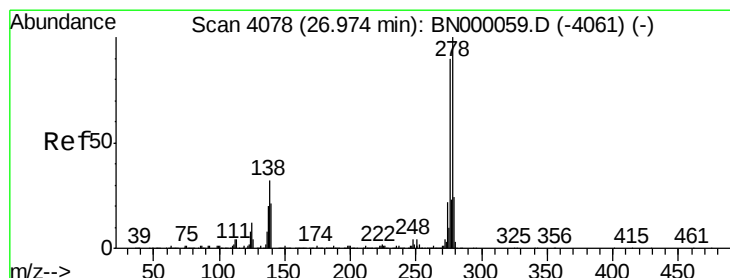
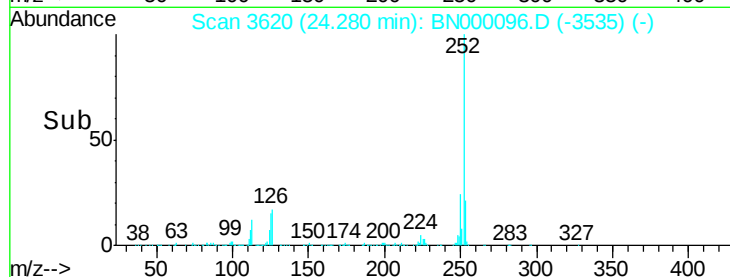
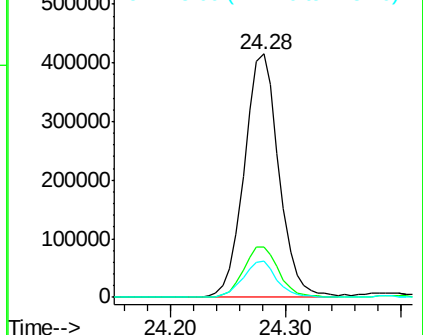
125 15.0 7.3 10.9#



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: 7.288 ng

RT: 26.96 min Scan# 4075

Delta R.T. -0.05 min

Lab File: BN000096.D

Acq: 15 Feb 2018 14:41

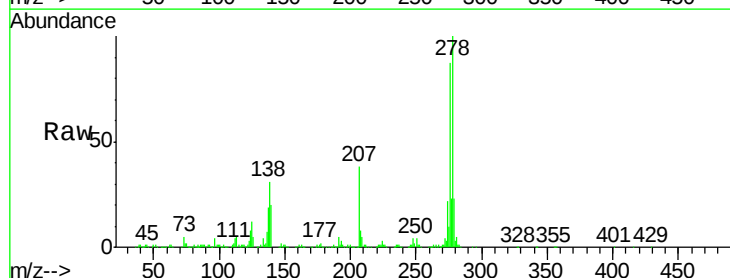
Tgt Ion:278 Resp: 973515

Ion Ratio Lower Upper

278 100

139 19.7 9.8 14.6#

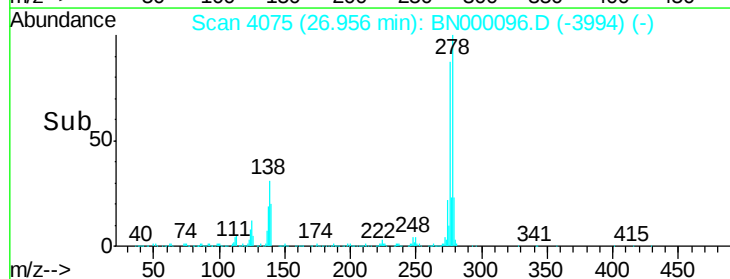
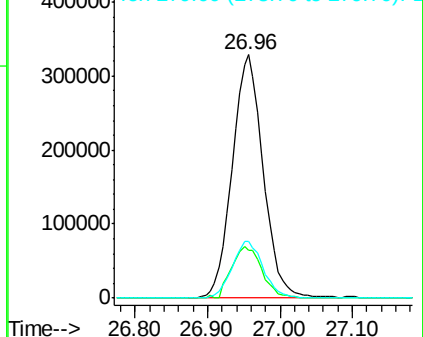
279 23.1 18.4 27.6

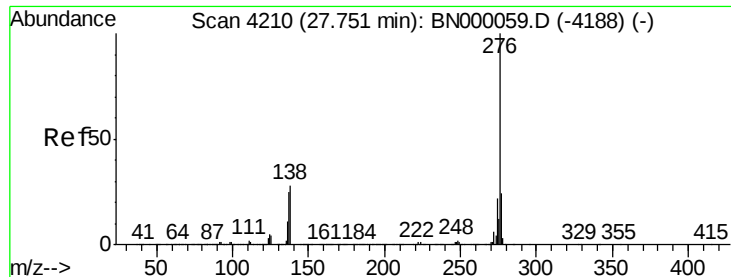


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.184 ng
 RT: 27.73 min Scan# 4206
 Delta R.T. -0.06 min
 Lab File: BN000096.D
 Acq: 15 Feb 2018 14:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.3	27.5
138	28.0	13.9	20.9

