

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000094.D
 Acq On : 15 Feb 2018 13:32
 Operator : JU/SJ
 Sample : J1161-03
 Misc : 2 PPM MDL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 16 09:57:18 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	384449	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1913340	20.00	ng	-0.01
38) Acenaphthene-d10	15.07	164	1146902	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2556080	20.00	ng	-0.01
75) Chrysene-d12	21.90	240	2722328	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2821325	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.93	112	3093863	131.16	ng	-0.01
7) Phenol-d6	7.58	99	4379836	122.57	ng	-0.01
23) Nitrobenzene-d5	9.64	82	3066116	95.28	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1467288	129.25	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	7780983	95.62	ng	-0.01
78) Terphenyl-d14	20.35	244	9677826	95.99	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	19108	2.013	ng	# 93
3) Pyridine	4.14	79	40783	1.380	ng	# 95
4) n-Nitrosodimethylamine	4.02	42	13932	1.667	ng	# 91
6) Aniline	7.77	93	77492	1.574	ng	# 85
8) 2-Chlorophenol	8.01	128	52932	1.919	ng	92
9) Benzaldehyde	7.58	77	34399	1.547	ng	92
10) Phenol	7.61	94	72250	1.915	ng	93
11) bis(2-Chloroethyl)ether	7.86	93	60046	1.936	ng	# 82
12) 1,3-Dichlorobenzene	8.35	146	61916	1.975	ng	99
13) 1,4-Dichlorobenzene	8.50	146	63140	1.973	ng	94
14) 1,2-Dichlorobenzene	8.82	146	62877	1.996	ng	88
15) Benzyl Alcohol	8.69	79	39013	1.519	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.99	45	61039	1.859	ng	81
17) 2-Methylphenol	8.89	107	41168	1.536	ng	96
18) Hexachloroethane	9.57	117	19752	1.773	ng	# 78
19) n-Nitroso-di-n-propylamine	9.26	70	34878	1.457	ng	# 82
20) 3+4-Methylphenols	9.22	107	54779	1.461	ng	92
22) Acetophenone	9.29	105	87289	1.628	ng	# 87
24) Nitrobenzene	9.68	77	68460	1.946	ng	# 89
25) Isophorone	10.20	82	94023	1.413	ng	96
26) 2-Nitrophenol	10.40	139	14903	8.071	ng	90
27) 2,4-Dimethylphenol	10.44	122	45350	1.572	ng	94
28) bis(2-Chloroethoxy)methane	10.69	93	72764	1.706	ng	98
29) 2,4-Dichlorophenol	10.93	162	32141	1.204	ng	96
30) 1,2,4-Trichlorobenzene	11.16	180	59536	1.937	ng	90
31) Naphthalene	11.35	128	203382	1.939	ng	97
32) Benzoic acid	10.46	122	8642m	10.858	ng	
33) 4-Chloroaniline	11.45	127	66224	1.437	ng	94
34) Hexachlorobutadiene	11.63	225	31811	1.996	ng	95
35) Caprolactam	12.16	113	9495	4.764	ng	# 90
36) 4-Chloro-3-methylphenol	12.53	107	36316	1.072	ng	87
37) 2-Methylnaphthalene	12.93	142	129514	1.775	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.29	216	64950	1.919	ng	# 96
40) Hexachlorocyclopentadiene	13.26	237	20253	1.435	ng	96

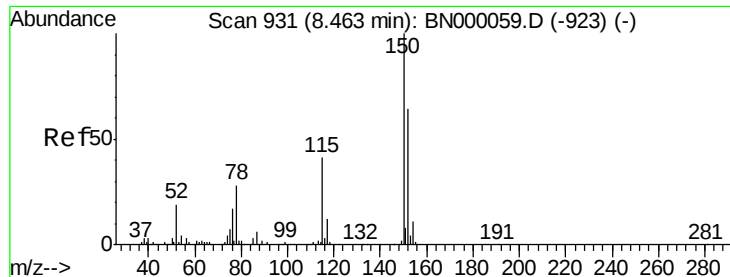
Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	21271	1.048	nq	88
43) 2,4,5-Trichlorophenol	13.57	196	26022	1.067	nq #	93
45) 1,1'-Biphenyl	13.91	154	207601	2.055	nq	98
46) 2-Chloronaphthalene	13.96	162	142457	1.880	nq	99
47) 2-Nitroaniline	14.15	65	19617	5.671	nq	91
48) Acenaphthylene	14.80	152	183946	1.506	nq	98
49) Dimethylphthalate	14.50	163	154233	1.609	nq	99
50) 2,6-Dinitrotoluene	14.63	165	18145	0.917	nq	93
51) Acenaphthene	15.13	154	146134	1.839	nq	96
52) 3-Nitroaniline	14.95	138	22440	0.933	nq #	94
53) 2,4-Dinitrophenol	15.15	184	5037	9.863	nq #	67
54) Dibenzofuran	15.46	168	214387	1.904	nq	92
55) 4-Nitrophenol	15.23	139	13181	5.604	nq	89
56) 2,4-Dinitrotoluene	15.40	165	20341	4.838	nq #	85
57) Fluorene	16.10	166	167431	1.822	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.67	232	19873m	1.032	nq	
59) Diethylphthalate	15.85	149	144654	1.485	nq	97
60) 4-Chlorophenyl-phenylether	16.09	204	79523	1.898	nq	94
61) 4-Nitroaniline	16.10	138	23976	0.970	nq	83
62) Azobenzene	16.38	77	134228	1.384	nq	92
64) 4,6-Dinitro-2-methylphenol	16.16	198	7494	9.214	nq	89
65) n-Nitrosodiphenylamine	16.30	169	128479	1.545	nq	98
66) 4-Bromophenyl-phenylether	16.97	248	41828	1.721	nq #	85
67) Hexachlorobenzene	17.10	284	51868	1.827	nq #	90
68) Atrazine	17.22	200	29252	1.081	nq	91
69) Pentachlorophenol	17.43	266	16648	6.620	nq	94
70) Phenanthrene	17.83	178	301030	1.994	nq	97
71) Anthracene	17.92	178	235597	1.612	nq	98
72) Carbazole	18.18	167	228914	1.554	nq	97
73) Di-n-butylphthalate	18.71	149	173370	1.066	nq #	96
74) Fluoranthene	19.80	202	259547	1.639	nq	94
76) Benzidine	19.97	184	46787	0.539	nq	98
77) Pyrene	20.16	202	297808	1.721	nq	99
79) Butylbenzylphthalate	21.02	149	59381	6.018	nq	94
80) Benzo(a)anthracene	21.89	228	289438	1.730	nq	96
81) 3,3'-Dichlorobenzidine	21.81	252	59710	0.972	nq #	92
82) Chrysene	21.95	228	335041	2.009	nq	100
83) Bis(2-ethylhexyl)phthalate	21.79	149	89420	3.593	nq #	90
84) Di-n-octyl phthalate	22.74	149	119210	7.169	nq	97
85) Indeno(1,2,3-cd)pyrene	26.94	276	309642	1.512	nq #	86
87) Benzo(b)fluoranthene	23.63	252	278059	1.684	nq #	95
88) Benzo(k)fluoranthene	23.68	252	291311	1.751	nq #	97
89) Benzo(a)pyrene	24.27	252	253549	1.601	nq #	94
90) Dibenzo(a,h)anthracene	26.95	278	260098	1.571	nq #	89
91) Benzo(g,h,i)perylene	27.72	276	260814	1.557	nq #	87

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

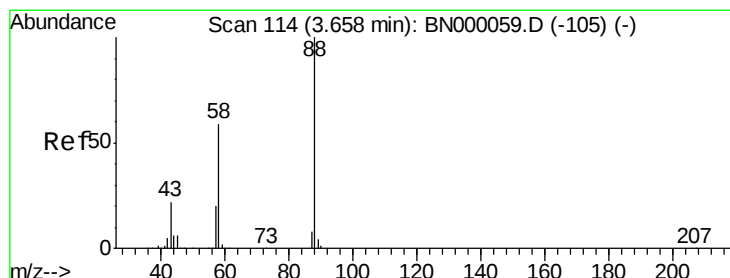
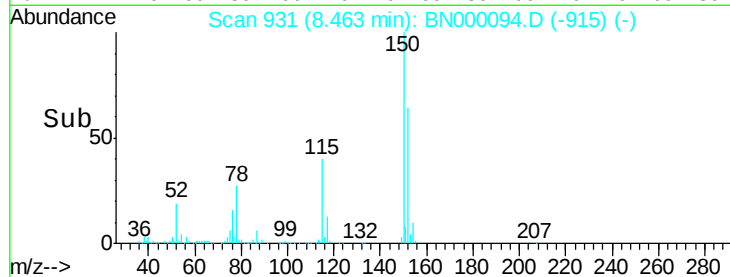
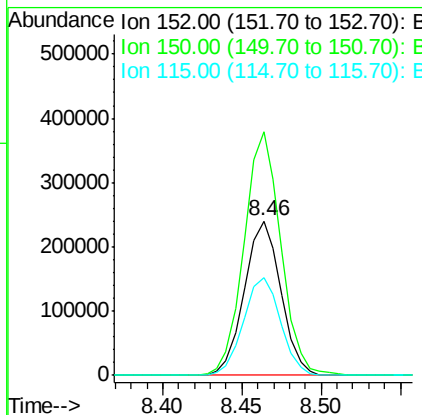
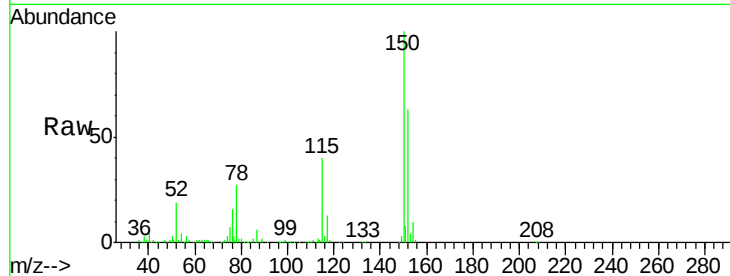


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

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

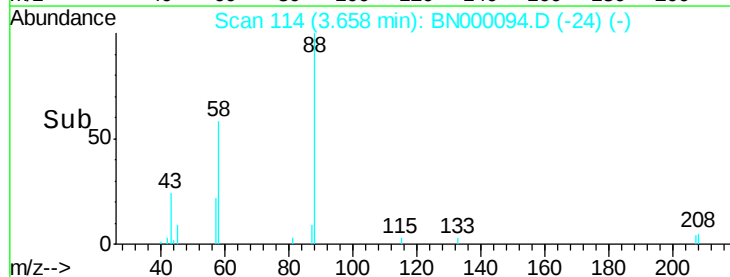
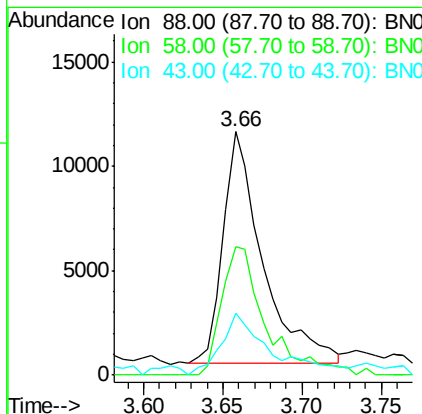
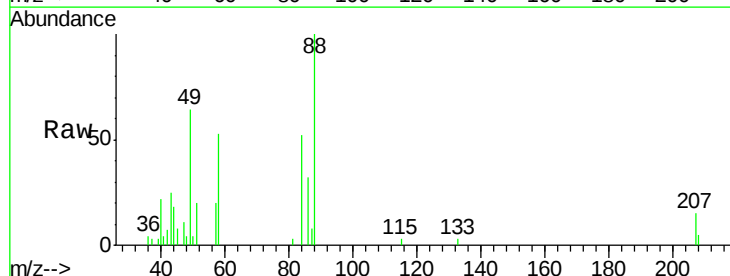
Tot Ion	152	Resp	384449
Ion Ratio	Lower	Upper	
152	100		
150	157.7	126.6	189.8
115	63.1	53.0	79.4

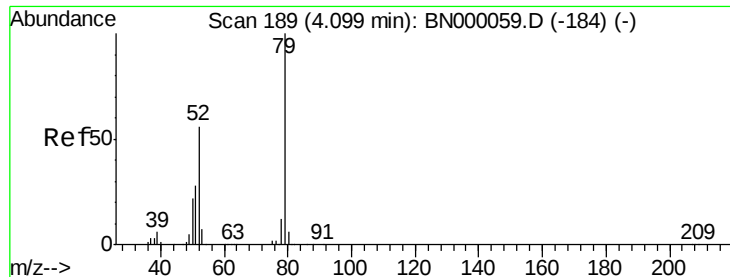


#2

1,4-Dioxane
Concen: 2.013 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion	88	Resp	19108
Ion Ratio	Lower	Upper	
88	100		
58	62.4	52.0	78.0
43	33.5	20.0	30.0#





#3

Pvridine

Concen: 1.380 ng

RT: 4.14 min Scan# 196

Delta R.T. 0.04 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

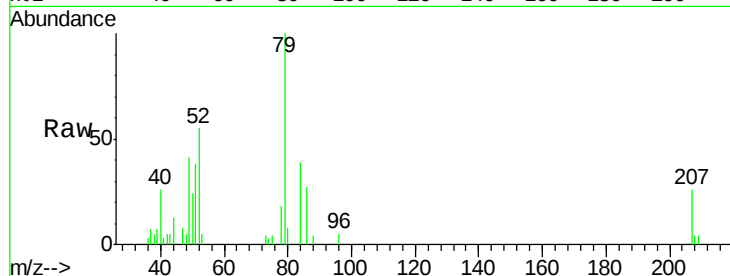
Tot Ion: 79 Resp: 40783

Ion Ratio Lower Upper

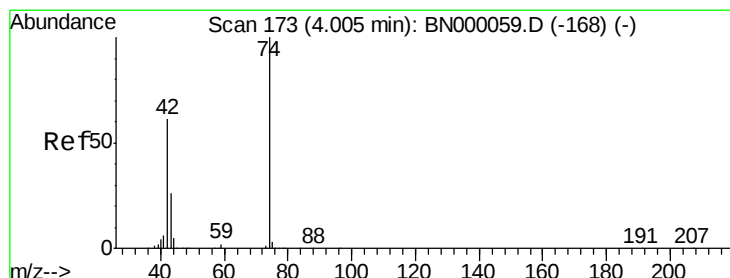
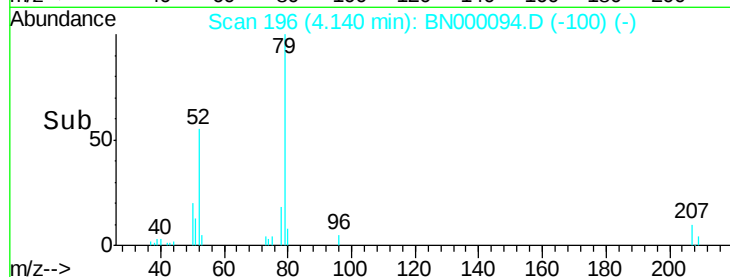
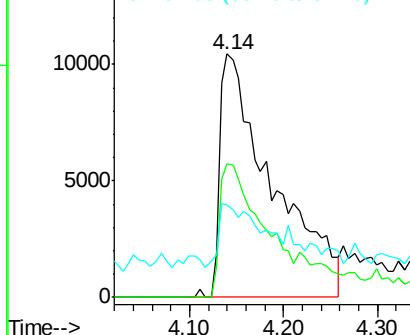
79 100

52 54.9 44.0 66.0

51 37.9 24.0 36.0#



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



#4

n-Nitrosodimethylamine

Concen: 1.667 ng

RT: 4.02 min Scan# 175

Delta R.T. 0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

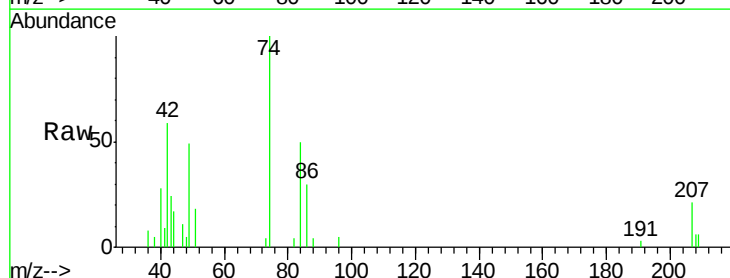
Tgt Ion: 42 Resp: 13932

Ion Ratio Lower Upper

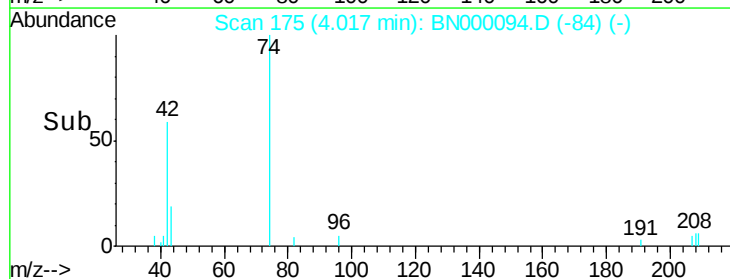
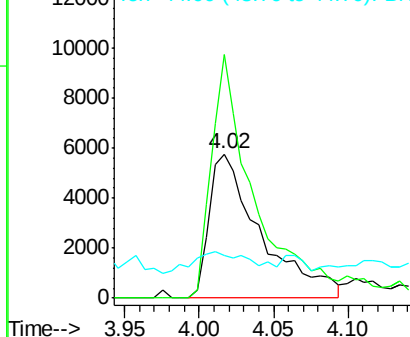
42 100

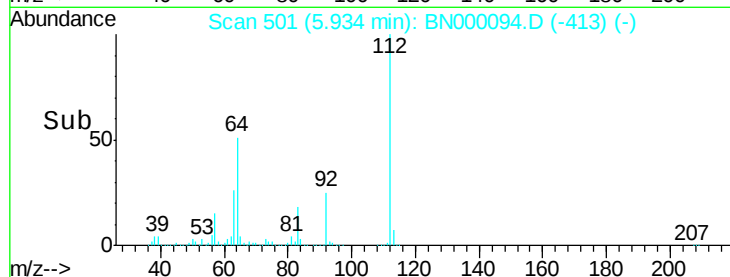
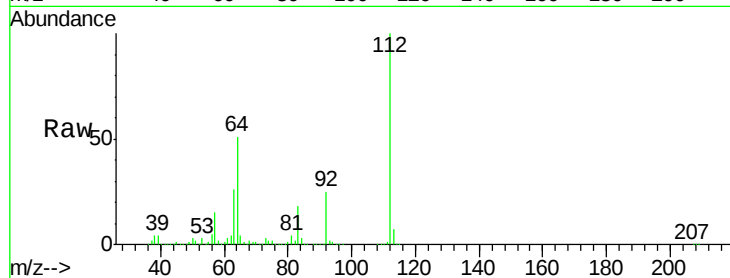
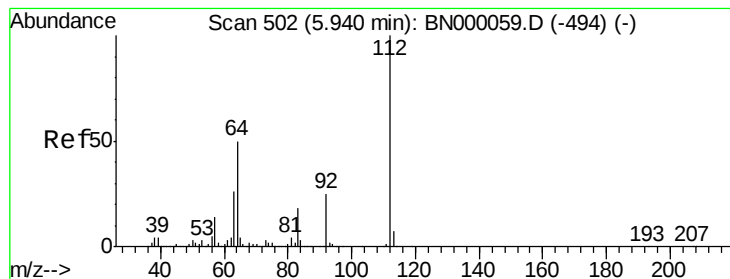
74 169.0 128.0 192.0

44 29.4 12.0 18.0#



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





#5

2-Fluorophenol

Concen: 131.156 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

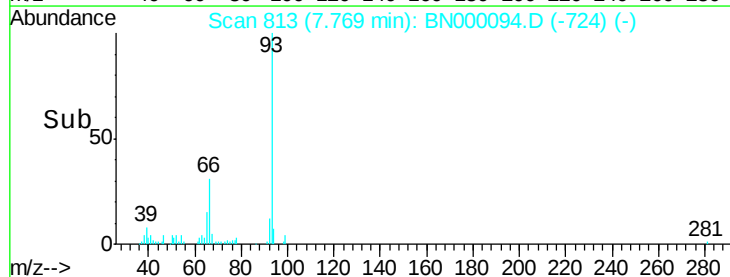
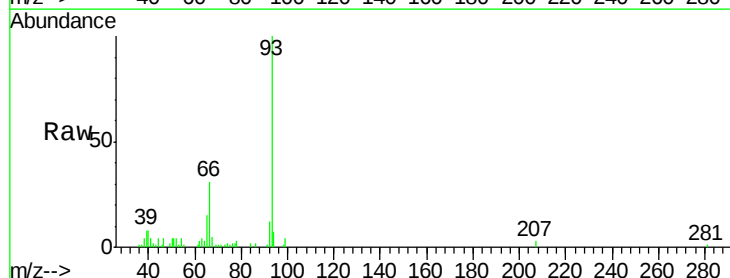
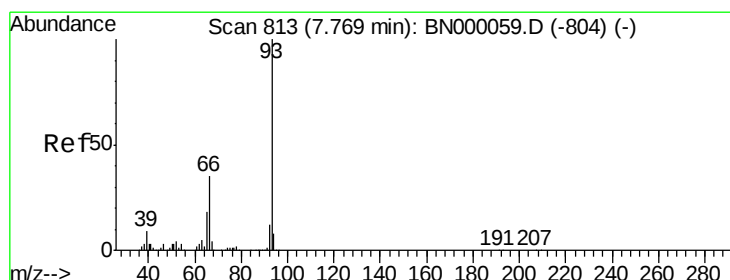
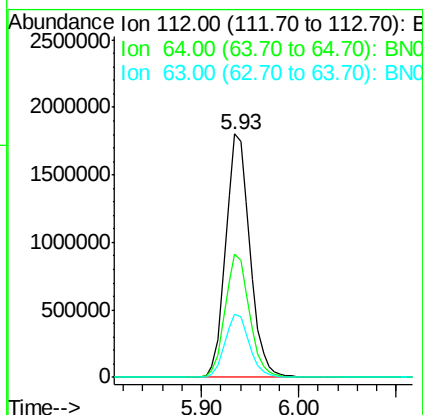
Tot Ion:112 Resp: 3093863

Ion Ratio Lower Upper

112 100

64 50.5 56.3 84.5#

63 26.1 30.1 45.1#



#6

Aniline

Concen: 1.574 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

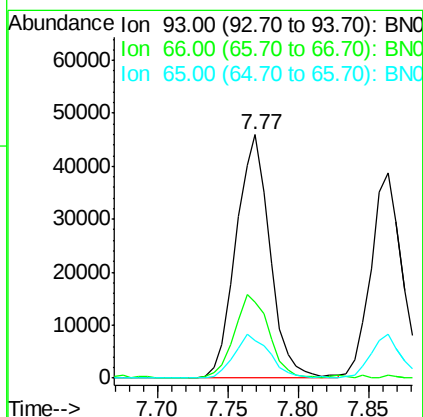
Tgt Ion: 93 Resp: 77492

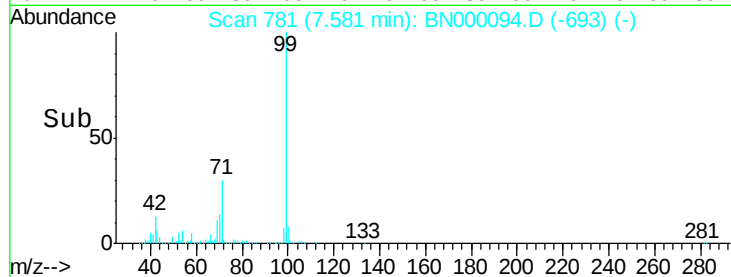
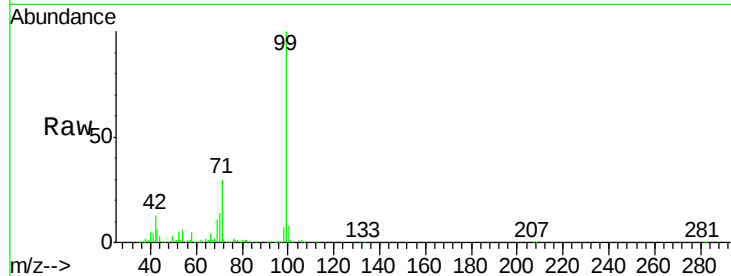
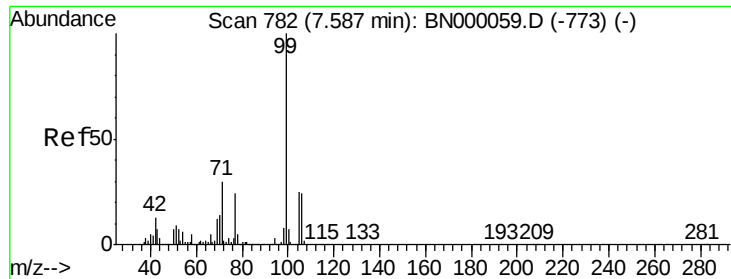
Ion Ratio Lower Upper

93 100

66 31.2 33.7 50.5#

65 15.2 16.1 24.1#





#7

Phenol-d6

Concen: 122.575 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

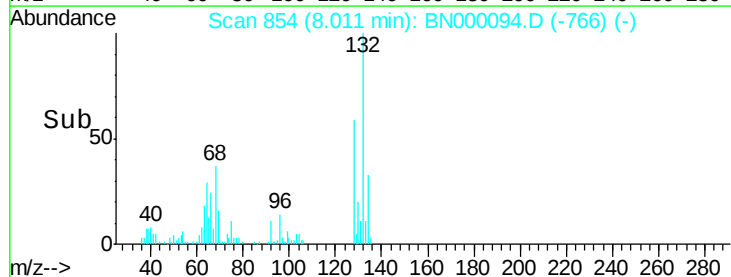
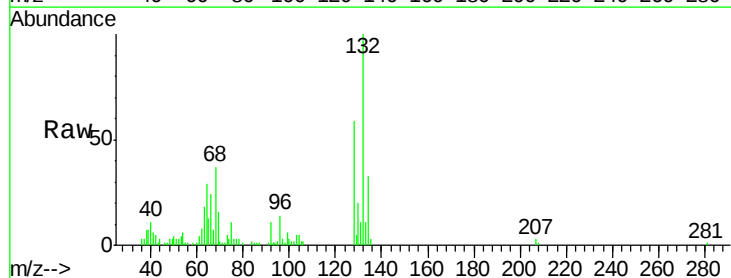
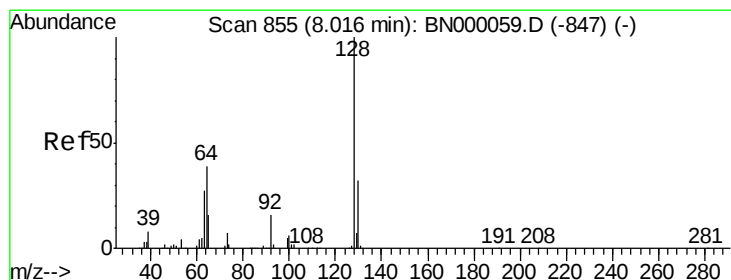
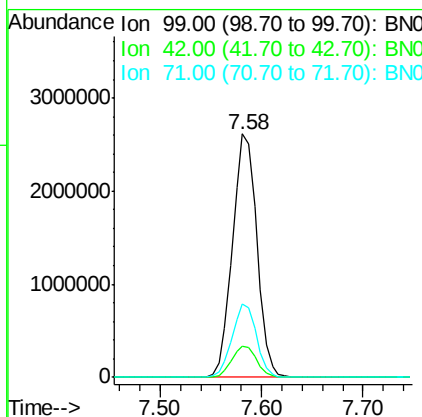
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MDL-SOIL-03-QT1-2018

Tot Ion: 99 Resp: 4379836

Ion	Ratio	Lower	Upper
99	100		
42	12.9	14.1	21.1#
71	29.9	26.1	39.1



#8

2-Chlorophenol

Concen: 1.919 ng

RT: 8.01 min Scan# 854

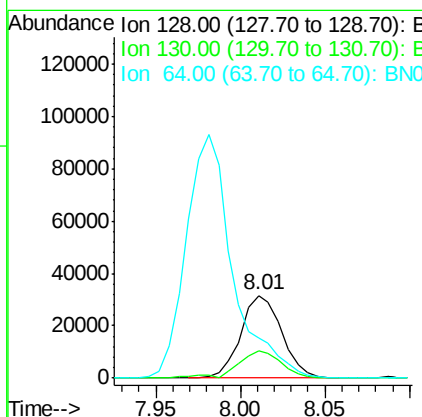
Delta R.T. -0.01 min

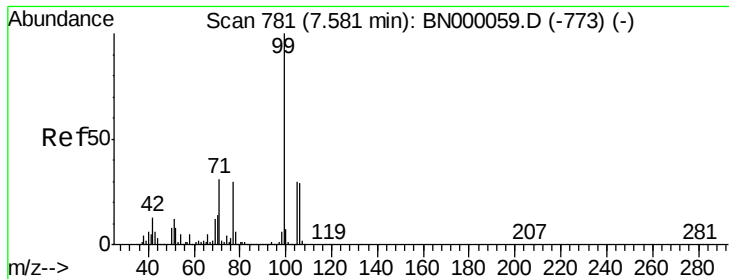
Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Tgt Ion: 128 Resp: 52932

Ion	Ratio	Lower	Upper
128	100		
130	33.7	14.0	54.0
64	49.0	37.7	77.7





#9

Benzaldehyde

Concen: 1.547 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleID :

MDL-SOIL-03-QT1-2018

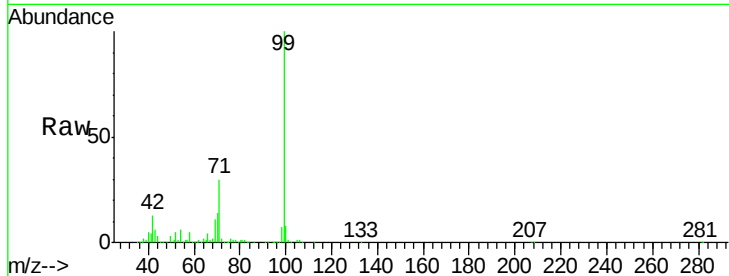
Tot Ion: 77 Resp: 34399

Ion Ratio Lower Upper

77 100

105 82.7 71.3 111.3

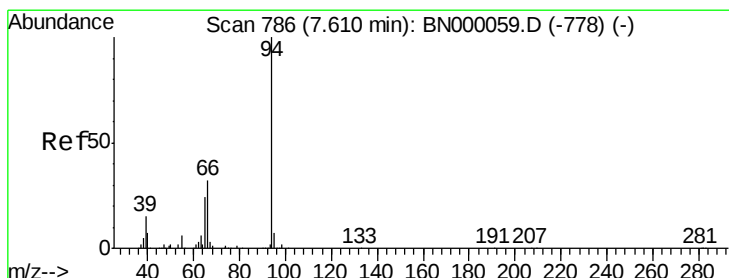
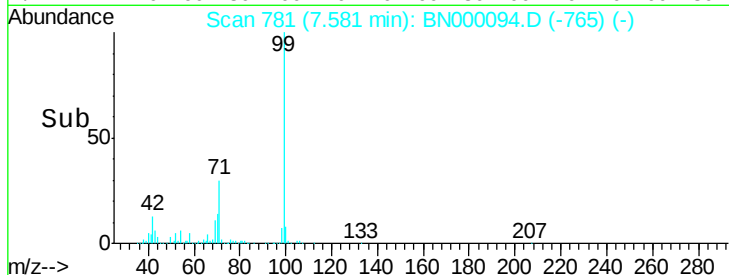
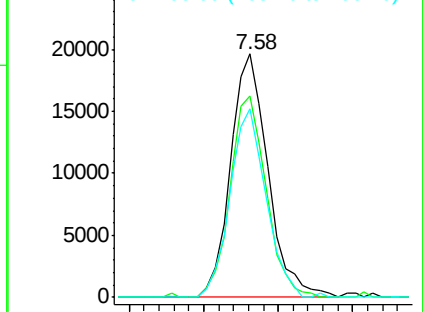
106 77.4 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BN000094.D (-765) (-)

Ion 105.00 (104.70 to 105.70): BN000094.D (-765) (-)

Ion 106.00 (105.70 to 106.70): BN000094.D (-765) (-)



#10

Phenol

Concen: 1.915 ng

RT: 7.61 min Scan# 786

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

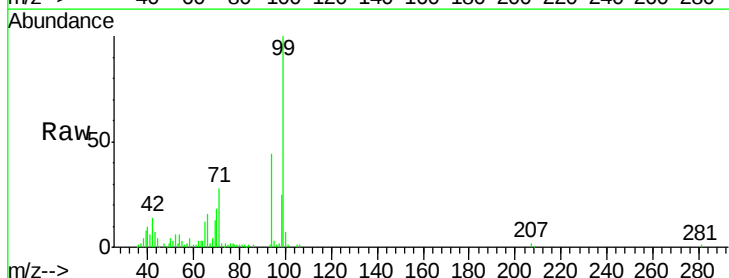
Tgt Ion: 94 Resp: 72250

Ion Ratio Lower Upper

94 100

65 28.4 11.9 51.9

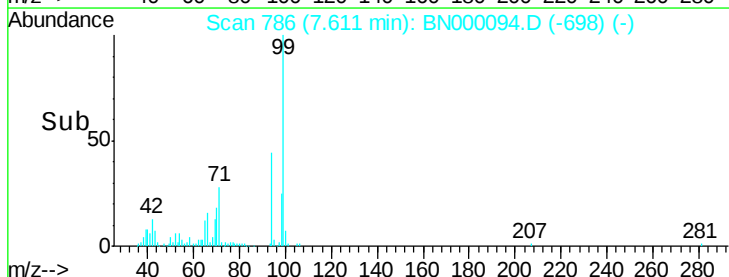
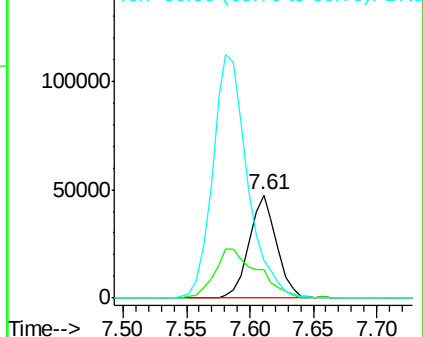
66 37.0 22.2 62.2

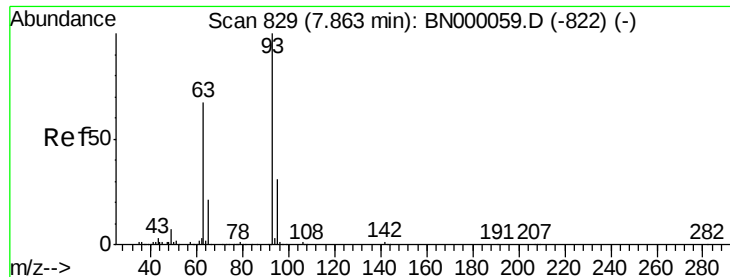


Abundance Ion 94.00 (93.70 to 94.70): BN000094.D (-698) (-)

Ion 65.00 (64.70 to 65.70): BN000094.D (-698) (-)

Ion 66.00 (65.70 to 66.70): BN000094.D (-698) (-)

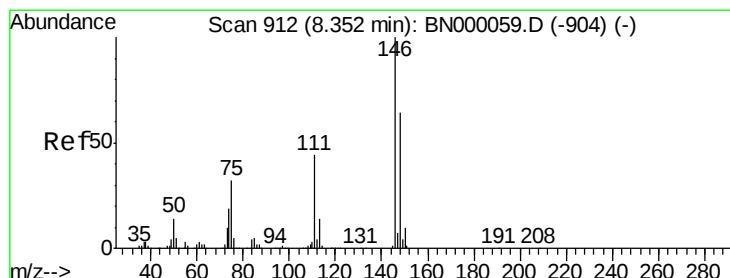
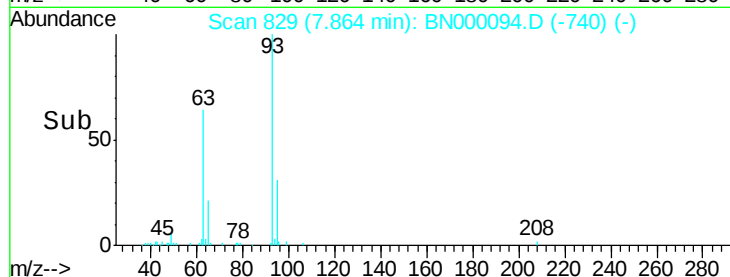
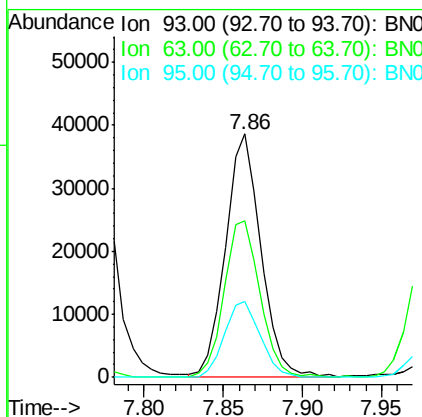
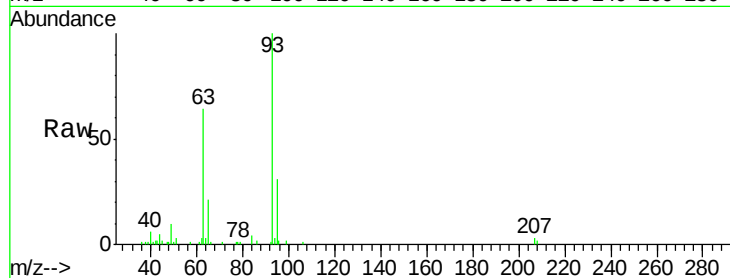




#11
bis(2-Chloroethyl)ether
Concen: 1.936 ng
RT: 7.86 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

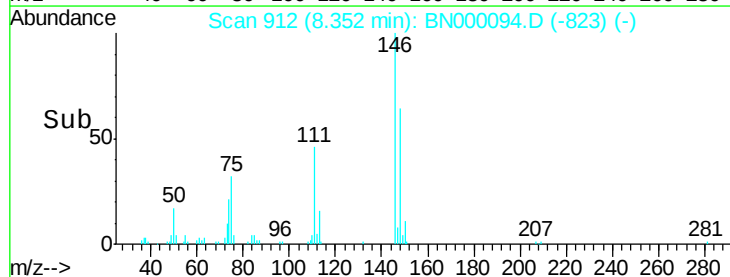
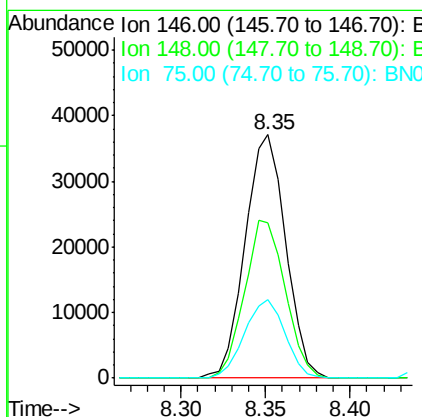
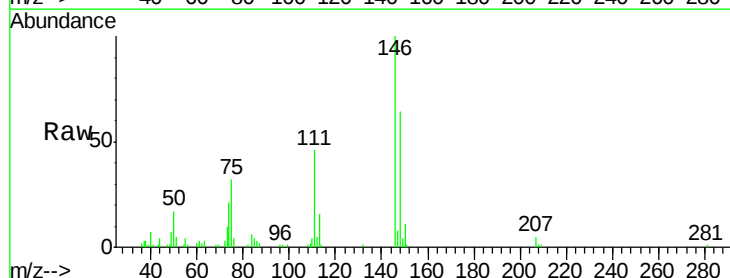
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
93	100		
63	64.2	67.1	107.1#
95	31.1	11.5	51.5



#12
1,3-Dichlorobenzene
Concen: 1.975 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
75	32.2	26.6	39.8

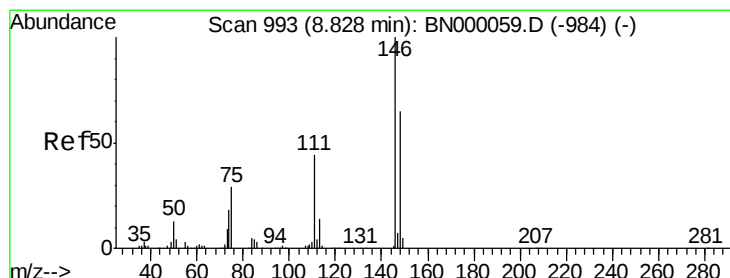
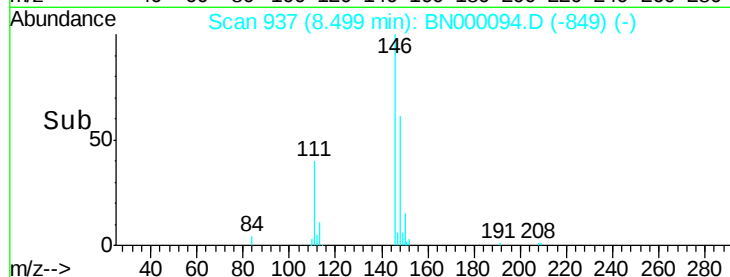
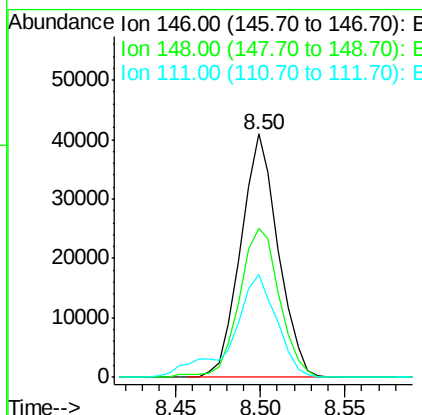
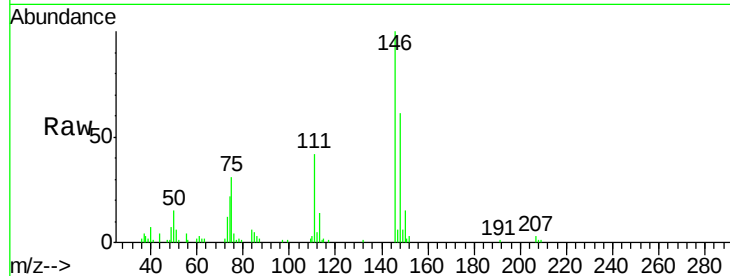




#13
 1,4-Dichlorobenzene
 Concen: 1.973 ng
 RT: 8.50 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

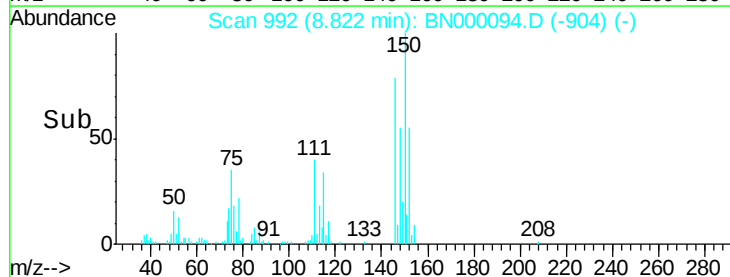
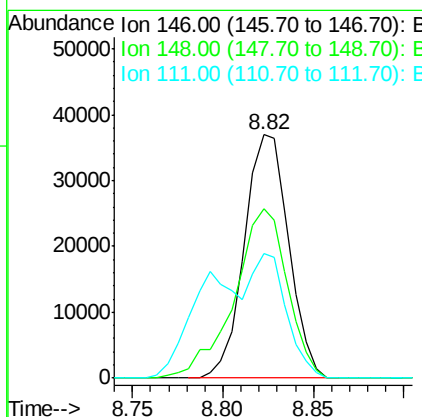
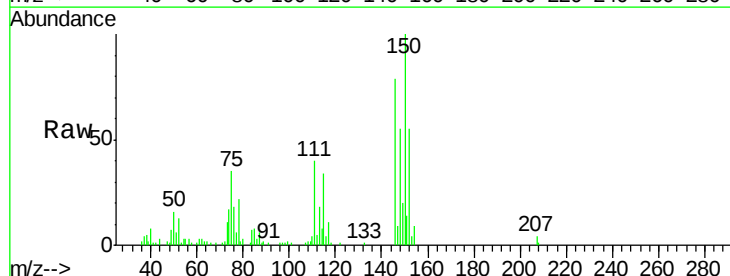
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

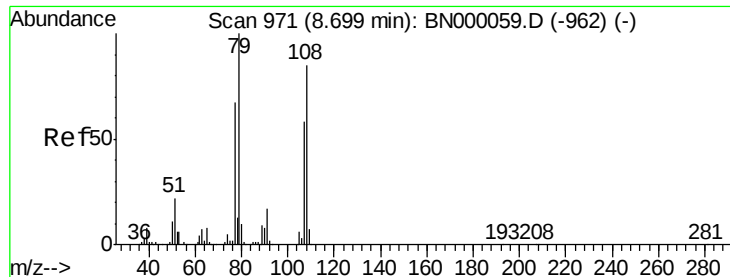
Tot Ion:146 Resp: 63140
 Ion Ratio Lower Upper
 146 100
 148 61.1 53.7 80.5
 111 42.3 35.2 52.8



#14
 1,2-Dichlorobenzene
 Concen: 1.996 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion:146 Resp: 62877
 Ion Ratio Lower Upper
 146 100
 148 69.7 49.3 73.9
 111 51.2 34.3 51.5





#15

Benzyl Alcohol

Concen: 1.519 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

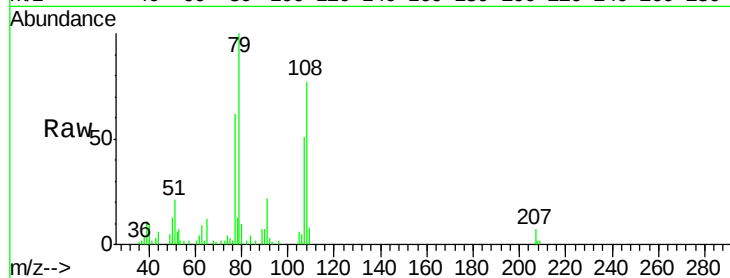
Tot Ion: 79 Resp: 39013

Ion Ratio Lower Upper

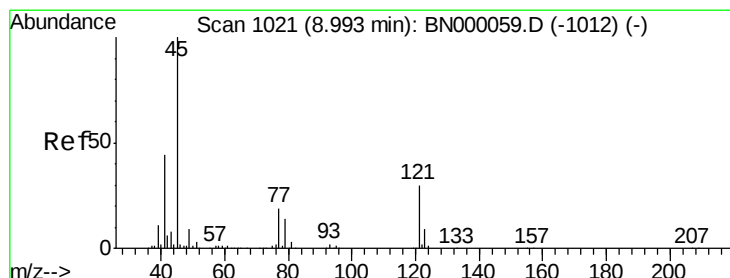
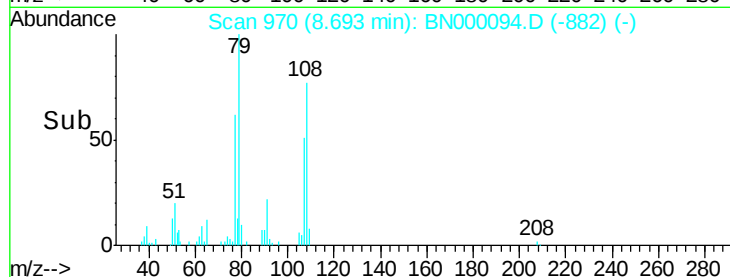
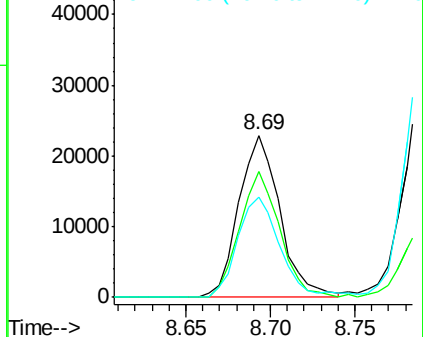
79 100

108 77.5 57.2 85.8

77 62.1 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 108.00 (107.70 to 108.70): BNC
Ion 77.00 (76.70 to 77.70): BNC



#16

2,2'-oxybis(1-chloropropane)

Concen: 1.859 ng

RT: 8.99 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

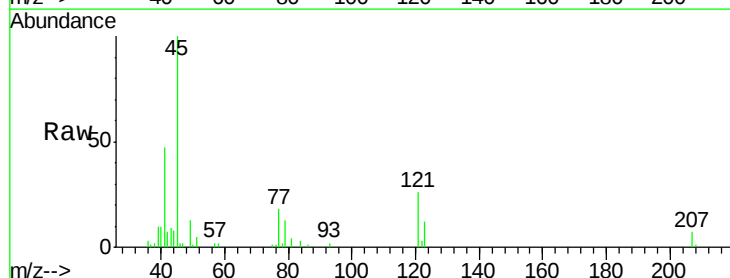
Tgt Ion: 45 Resp: 61039

Ion Ratio Lower Upper

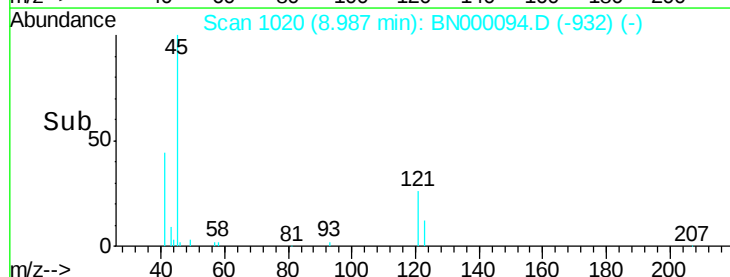
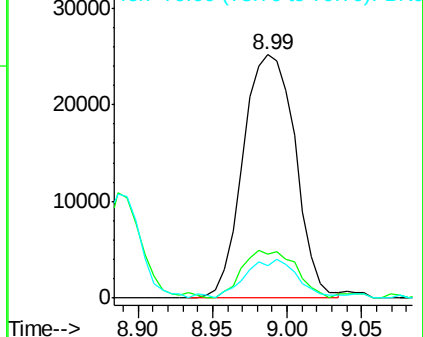
45 100

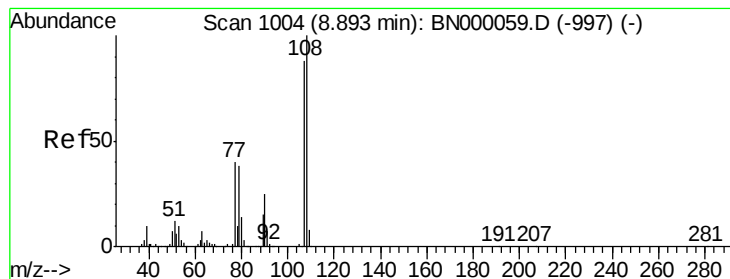
77 18.2 0.0 30.2

79 13.1 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC





#17

2-Methylphenol

Concen: 1.536 ng

RT: 8.89 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:107 Resp: 41168

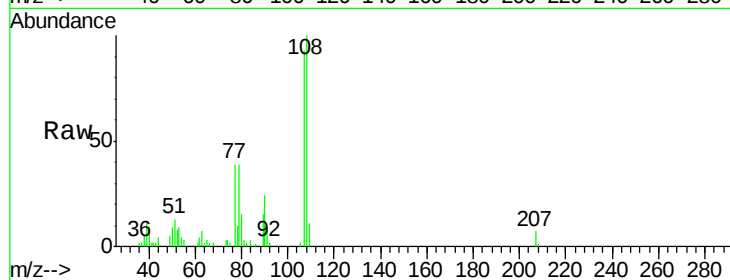
Ion Ratio Lower Upper

107 100

108 107.6 83.9 125.9

77 41.7 37.2 55.8

79 42.3 36.2 54.2

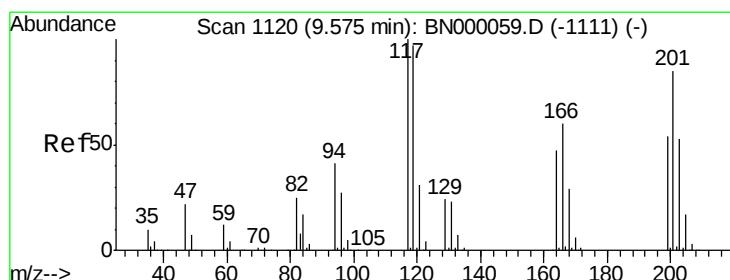
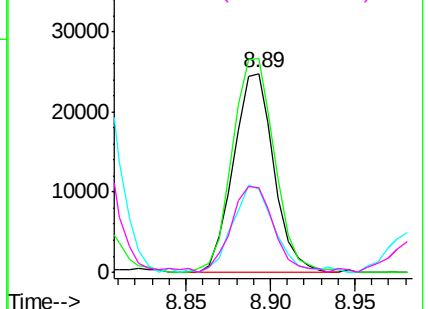
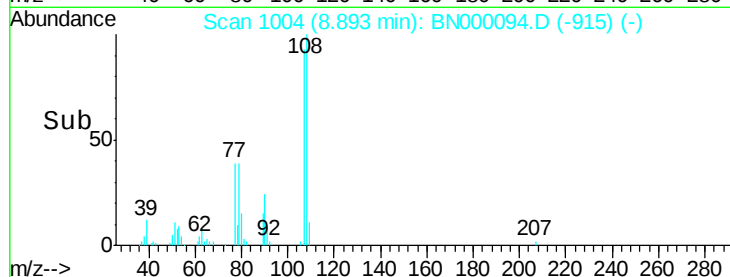


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 1.773 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

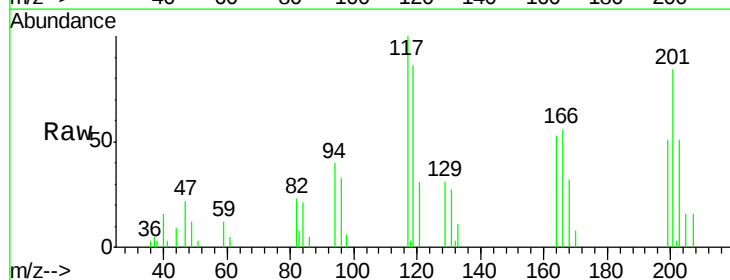
Tgt Ion:117 Resp: 19752

Ion Ratio Lower Upper

117 100

119 86.1 76.7 115.1

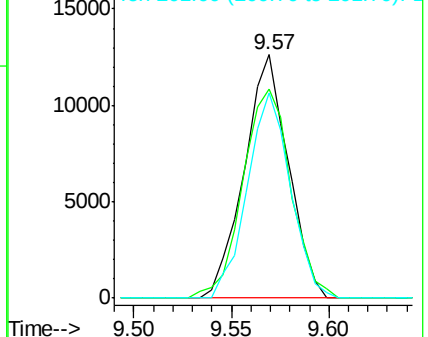
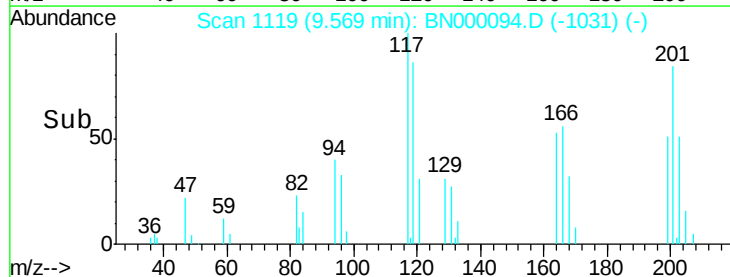
201 84.4 95.7 143.5#

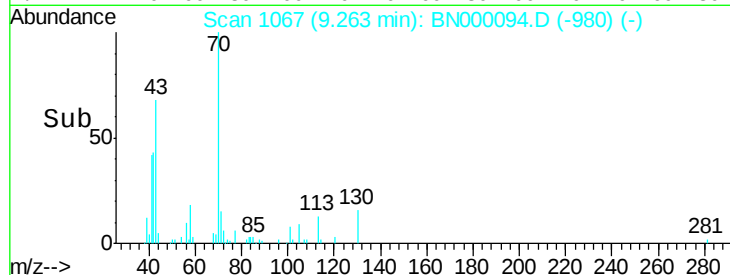
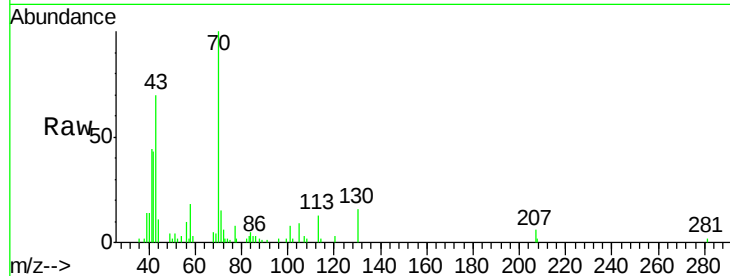
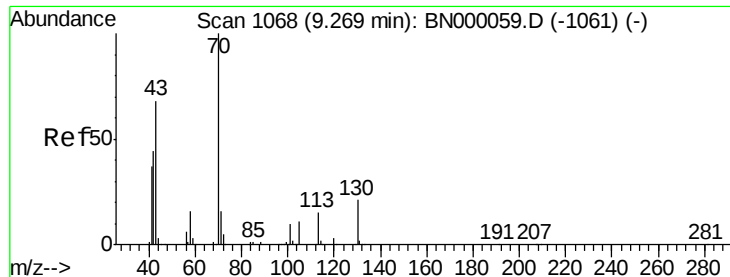


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

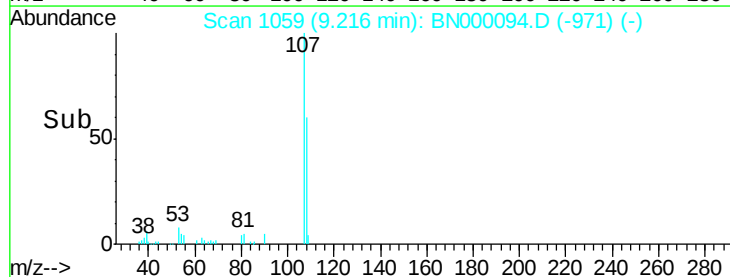
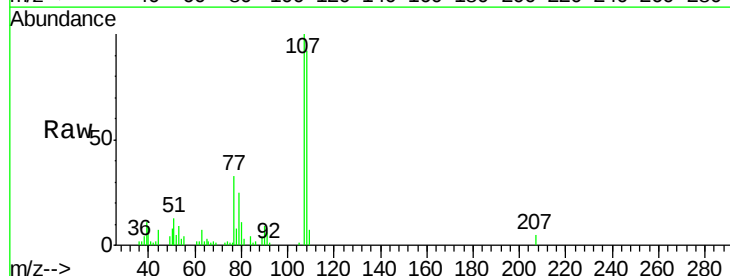
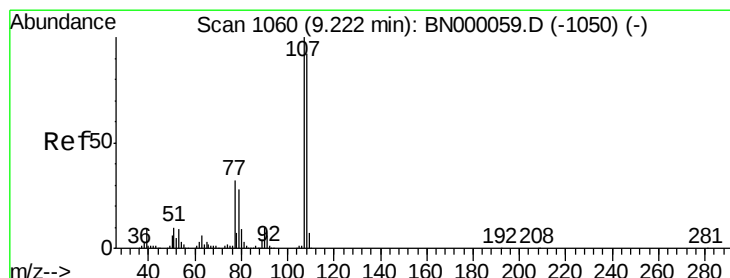
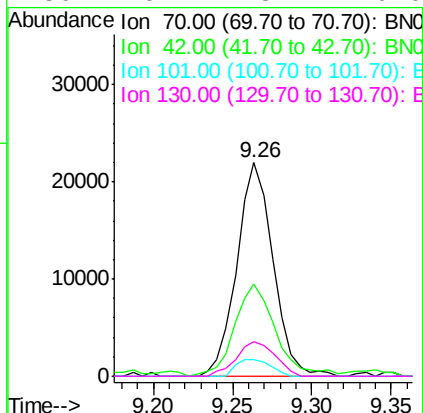




#19
n-Nitroso-di-n-propylamine
Concen: 1.457 ng
RT: 9.26 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

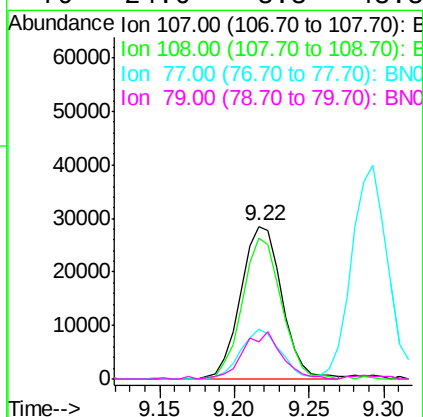
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:	70	Resp:	34878
Ion	Ratio	Lower	Upper
70	100		
42	43.0	49.1	73.7#
101	8.0	8.5	12.7#
130	16.2	13.4	20.0



#20
3+4-Methylphenols
Concen: 1.461 ng
RT: 9.22 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:	107	Resp:	54779
Ion	Ratio	Lower	Upper
107	100		
108	91.8	61.6	101.6
77	32.8	13.9	53.9
79	24.6	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:136 Resp: 1913340

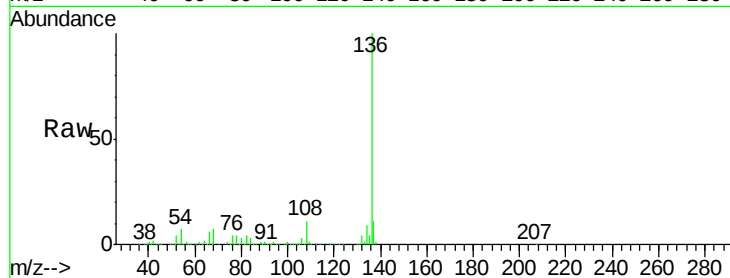
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 6.9 10.3 15.5#

68 6.5 4.5 6.7

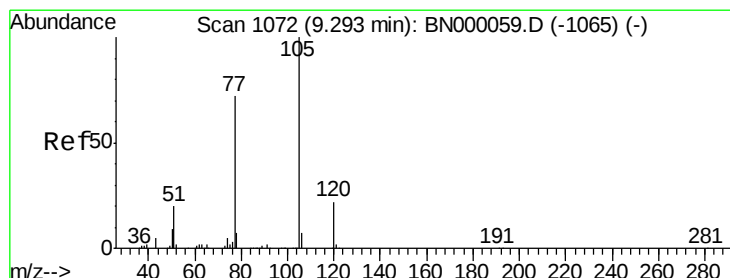
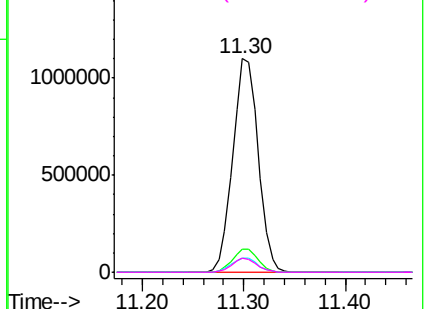
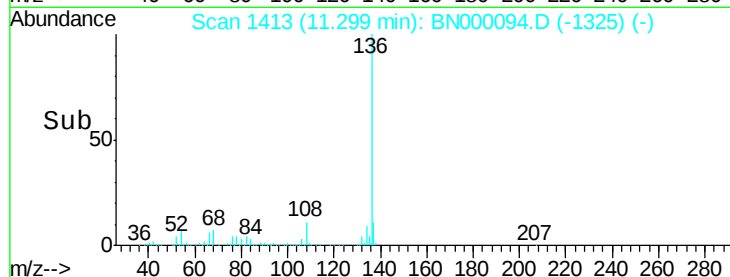


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.628 ng

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Tgt Ion:105 Resp: 87289

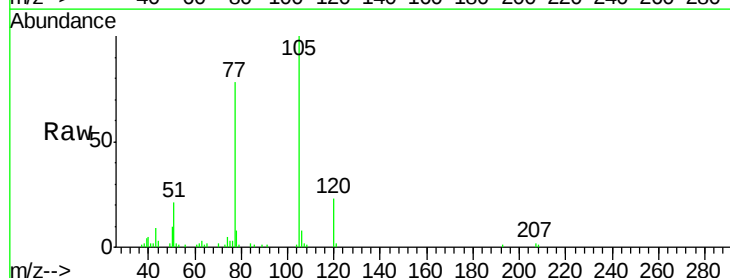
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 20.8 26.1 39.1#

120 22.7 17.4 26.2

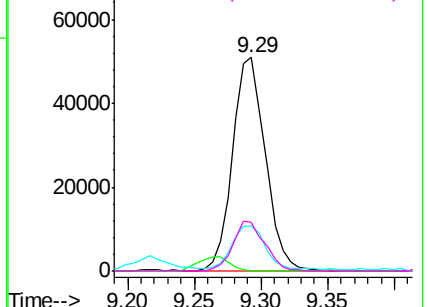
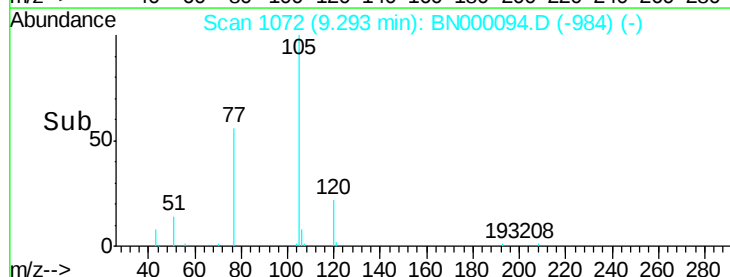


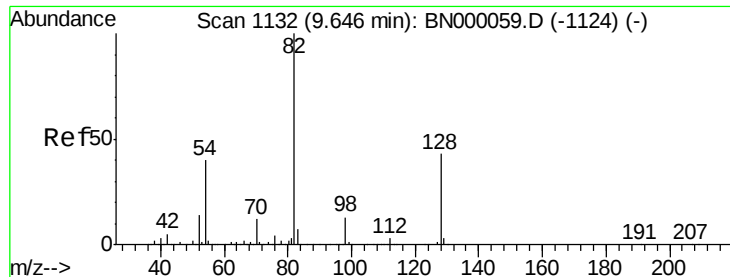
Abundance Ion 105.00 (104.70 to 105.70): E

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

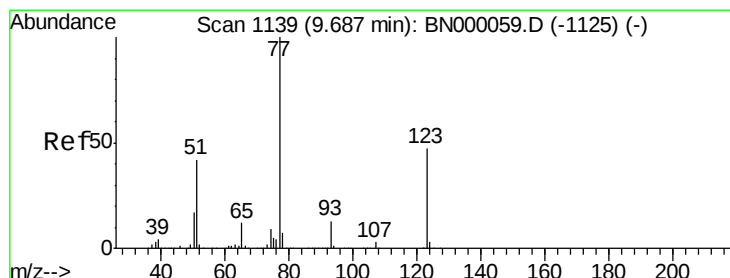
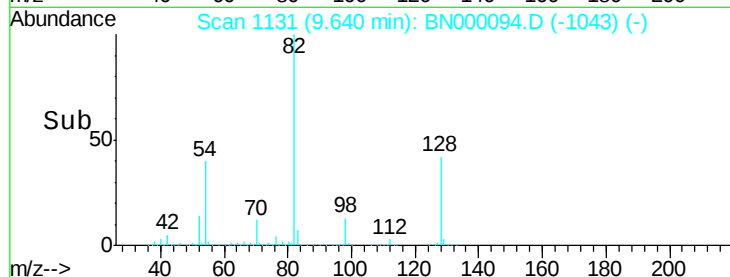
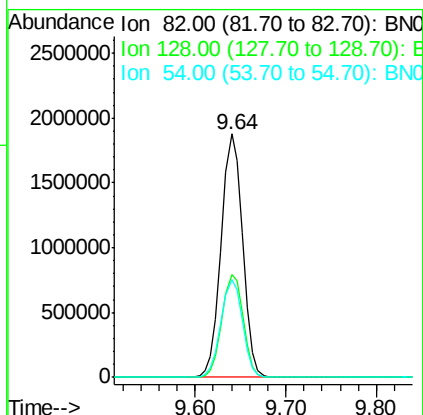
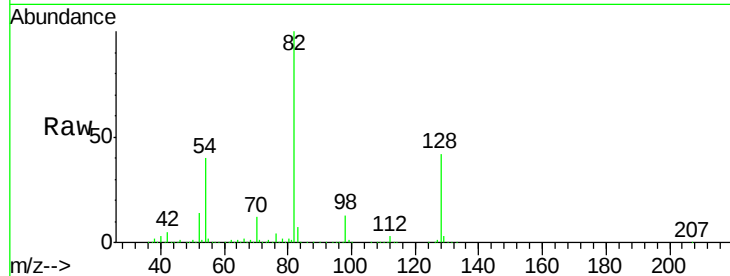




#23
Nitrobenzene-d5
Concen: 95.277 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

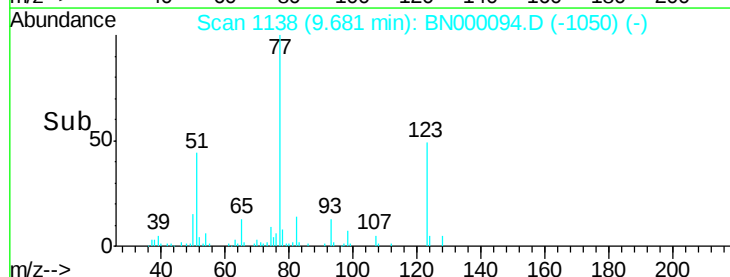
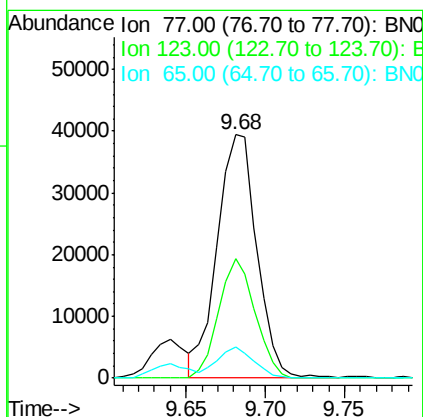
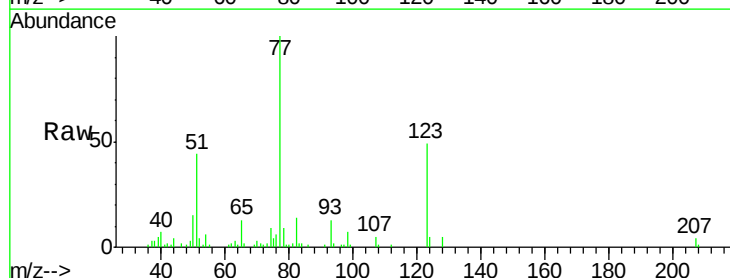
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

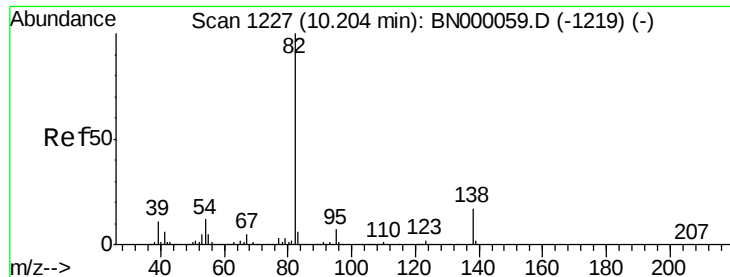
Tot Ion: 82 Resp: 3066116
Ion Ratio Lower Upper
82 100
128 42.2 29.7 44.5
54 40.3 43.1 64.7#



#24
Nitrobenzene
Concen: 1.946 ng
RT: 9.68 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion: 77 Resp: 68460
Ion Ratio Lower Upper
77 100
123 49.0 33.0 49.6
65 12.8 13.0 19.6#





#25

Isophorone

Concen: 1.413 ng

RT: 10.20 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

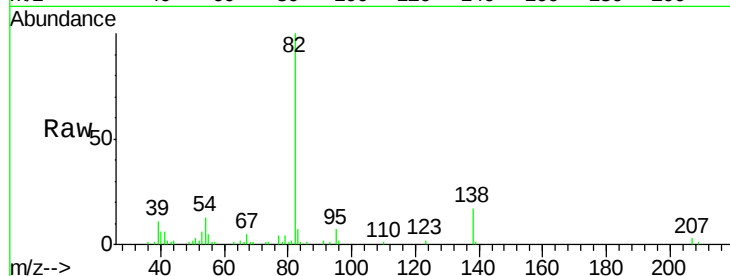
Tot Ion: 82 Resp: 94023

Ion Ratio Lower Upper

82 100

95 7.3 6.2 9.2

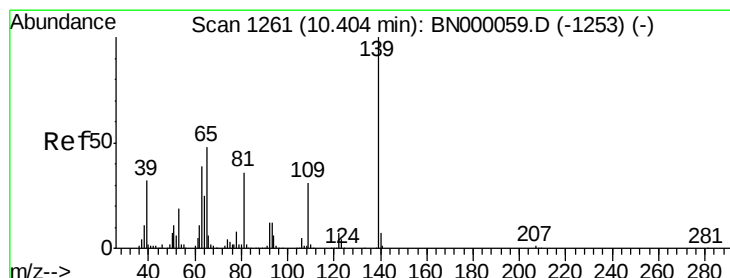
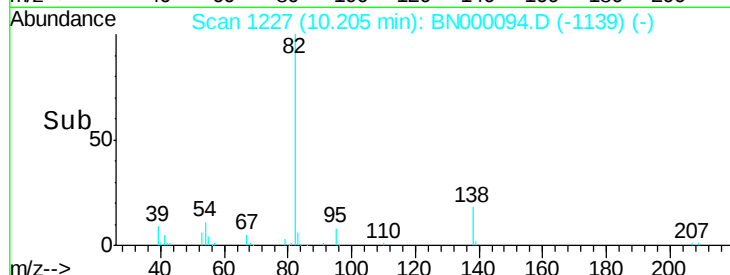
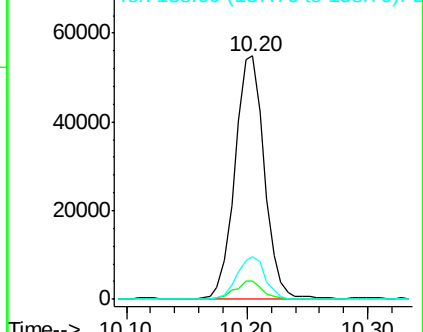
138 17.4 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BN000059.D (-1219) (-)

Ion 95.00 (94.70 to 95.70): BN000059.D (-1219) (-)

Ion 138.00 (137.70 to 138.70): BN000059.D (-1219) (-)



#26

2-Nitrophenol

Concen: 8.071 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

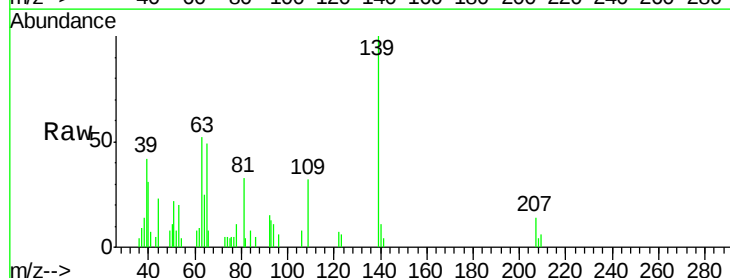
Tgt Ion: 139 Resp: 14903

Ion Ratio Lower Upper

139 100

109 32.3 24.2 36.2

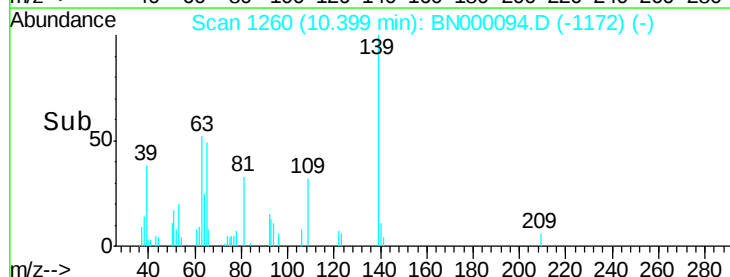
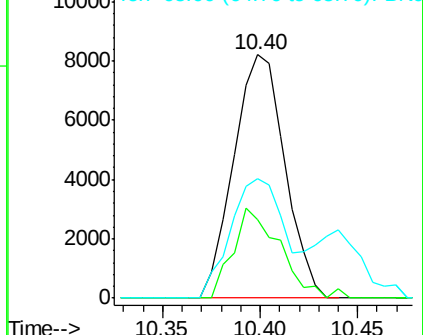
65 49.0 47.4 71.0



Abundance Ion 139.00 (138.70 to 139.70): BN000059.D (-1253) (-)

Ion 109.00 (108.70 to 109.70): BN000059.D (-1253) (-)

Ion 65.00 (64.70 to 65.70): BN000059.D (-1253) (-)

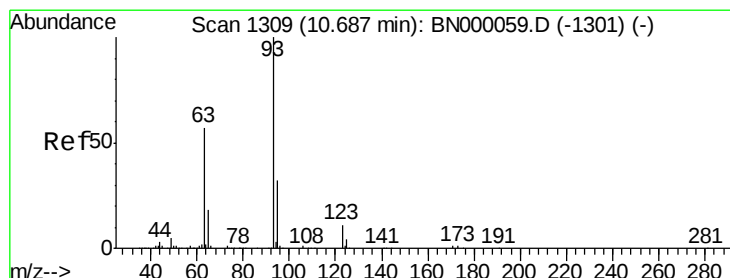
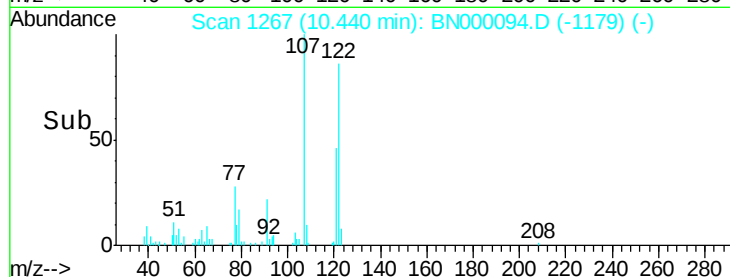
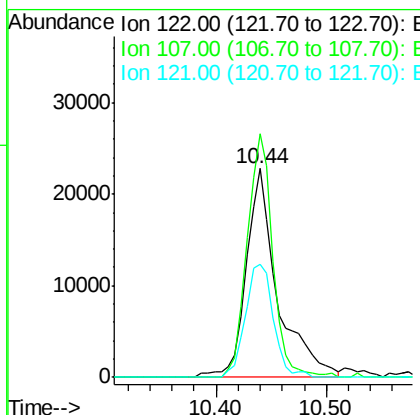
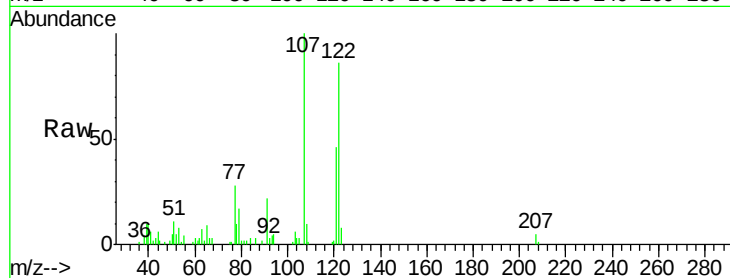




#27
 2,4-Dimethylphenol
 Concen: 1.572 ng
 RT: 10.44 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

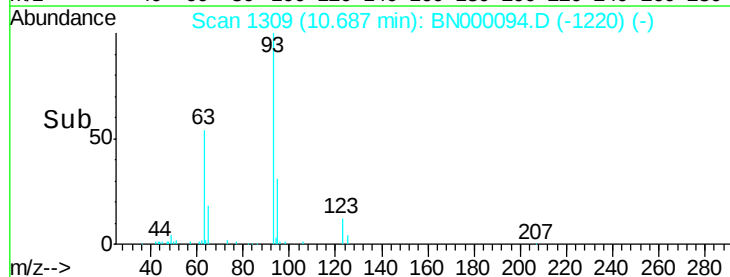
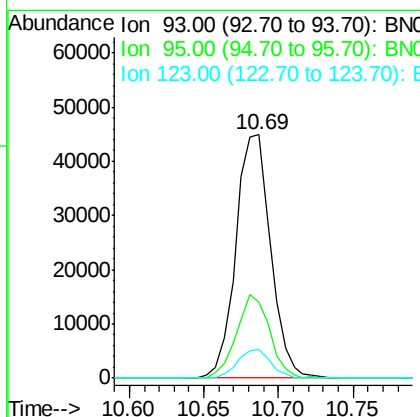
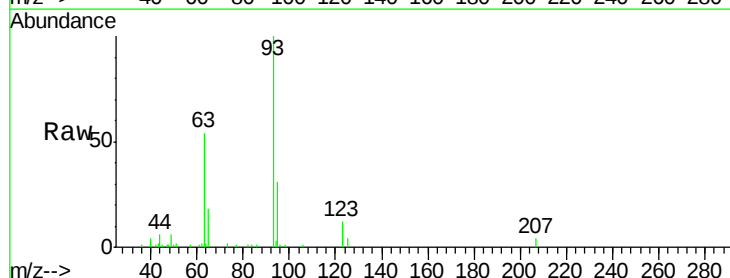
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

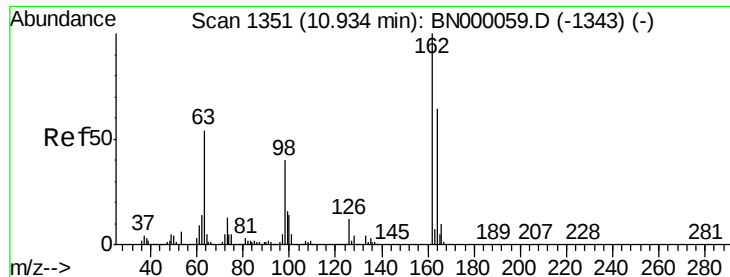
Tot Ion	Ratio	Lower	Upper
122	100		
107	116.5	100.2	150.2
121	54.0	44.4	66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 1.706 ng
 RT: 10.69 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.0	24.3	36.5
123	11.7	8.4	12.6

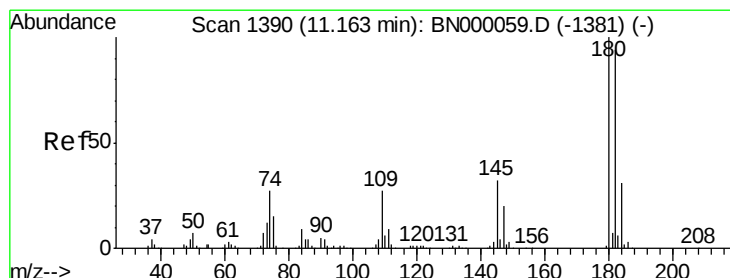
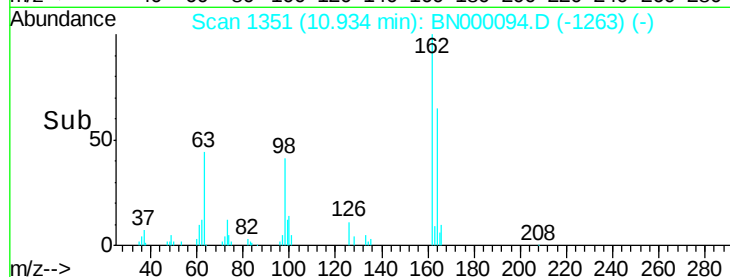
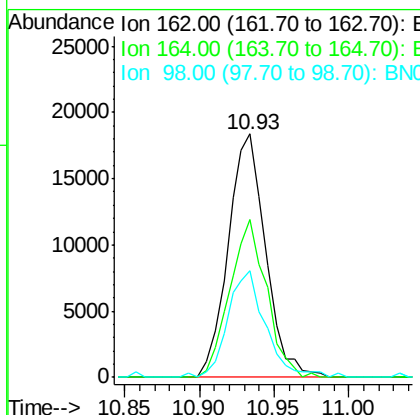
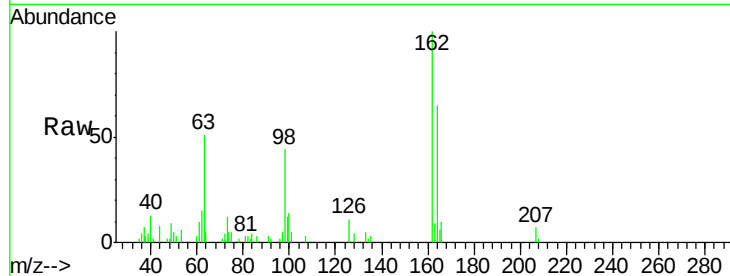




#29
2,4-Dichlorophenol
Concen: 1.204 ng
RT: 10.93 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

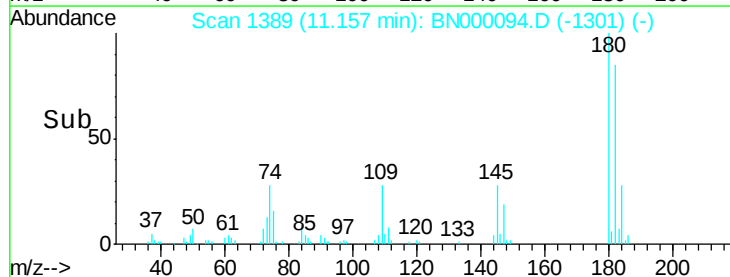
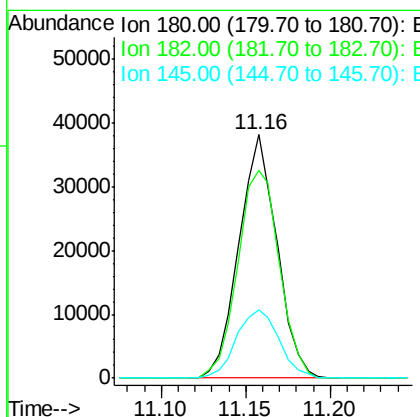
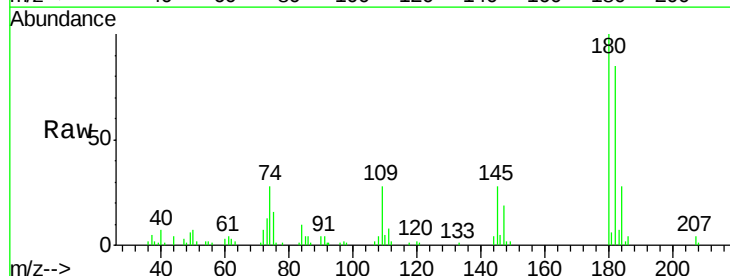
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

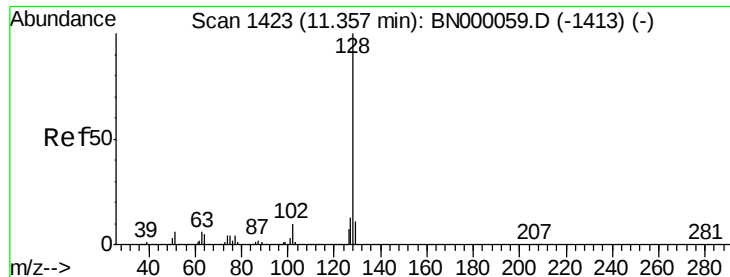
Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	48.0	88.0
98	43.6	21.1	61.1



#30
1,2,4-Trichlorobenzene
Concen: 1.937 ng
RT: 11.16 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.2	77.5	116.3
145	27.9	23.4	35.2

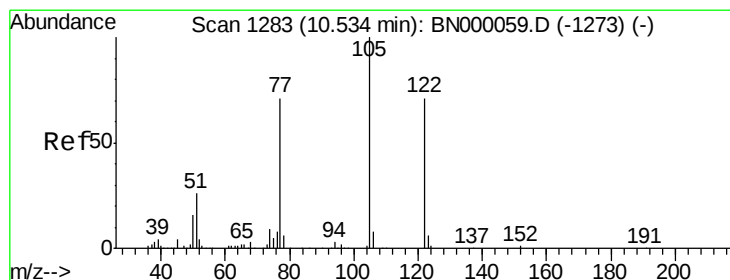
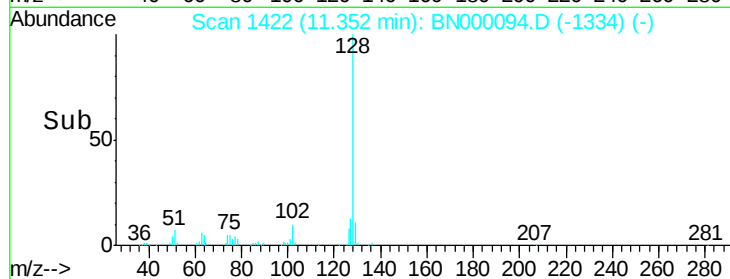
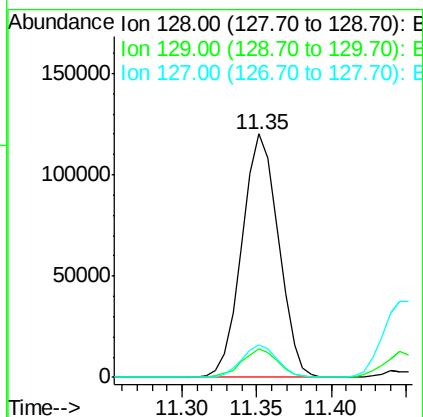
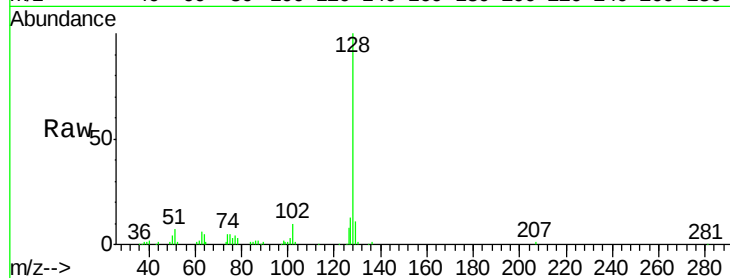




#31
Naphthalene
Concen: 1.939 ng
RT: 11.35 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

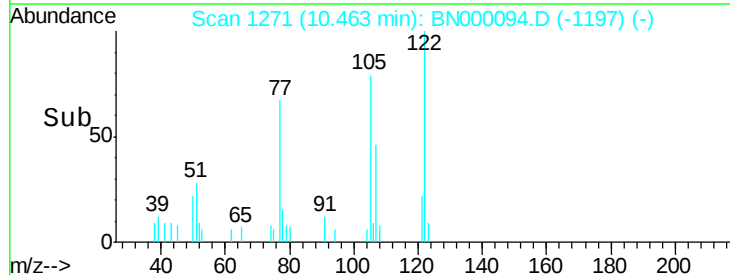
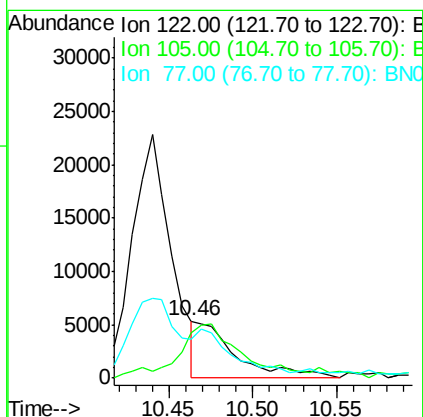
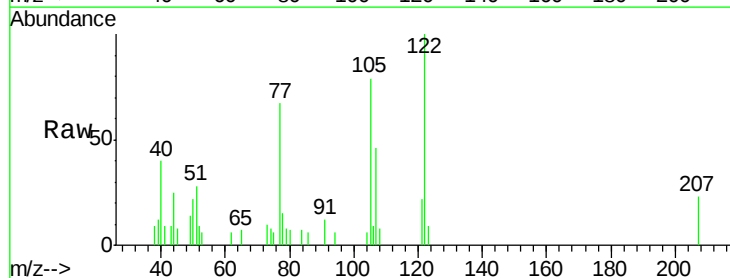
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:128 Resp: 203382
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.3 11.6 17.4



#32
Benzoic acid
Concen: 10.858 ng m
RT: 10.46 min Scan# 1271
Delta R.T. -0.09 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:122 Resp: 8642
Ion Ratio Lower Upper
122 100
105 78.6 123.5 163.5#
77 67.3 85.7 125.7#

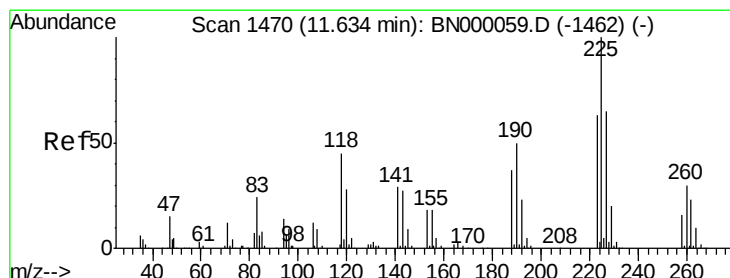
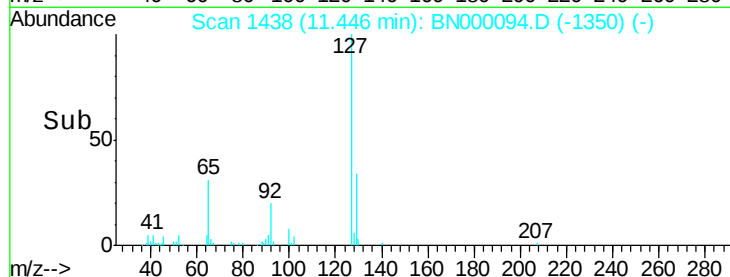
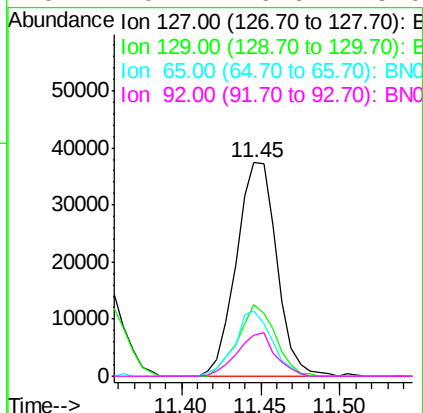
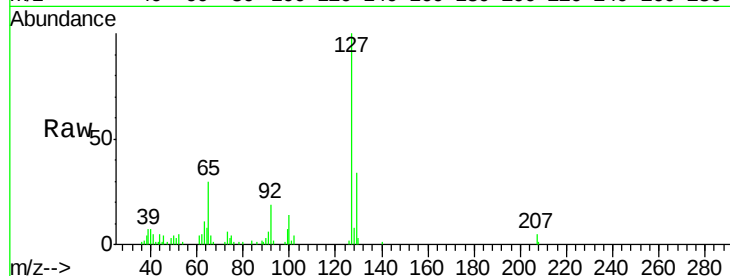




#33
4-Chloroaniline
Concen: 1.437 ng
RT: 11.45 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

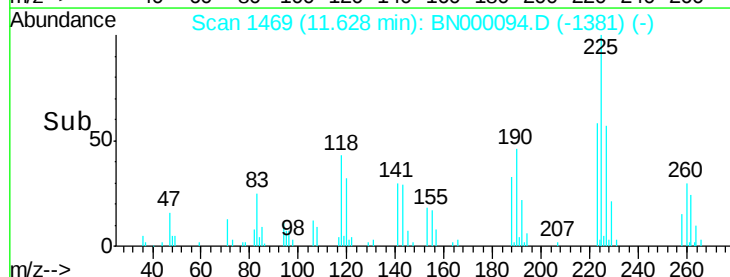
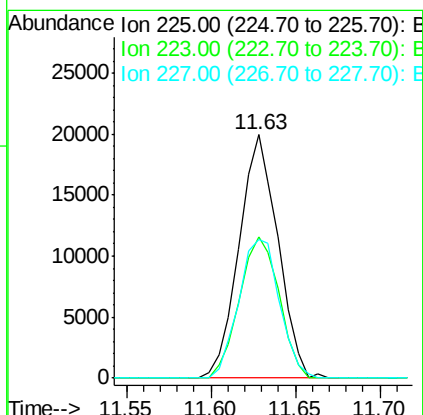
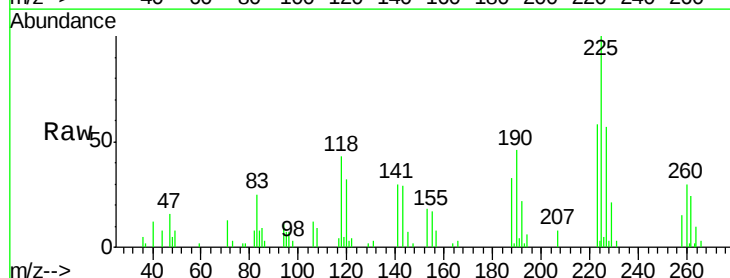
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

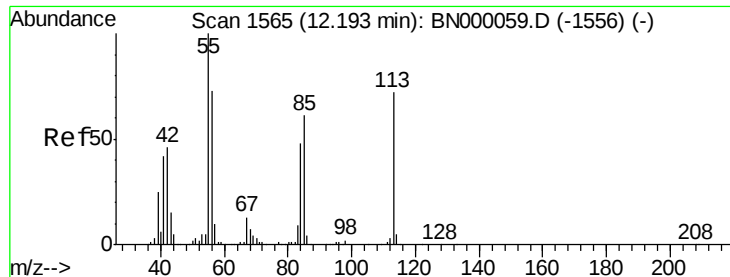
Tot Ion:127	Resp:	66224
Ion	Ratio	Lower Upper
127	100	
129	33.9	24.0 36.0
65	30.4	27.0 40.4
92	19.4	16.6 25.0



#34
Hexachlorobutadiene
Concen: 1.996 ng
RT: 11.63 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:225	Resp:	31811
Ion	Ratio	Lower Upper
225	100	
223	58.0	49.7 74.5
227	57.0	48.1 72.1





#35

Caprolactam

Concen: 4.764 ng

RT: 12.16 min Scan# 1560

Delta R.T. -0.04 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

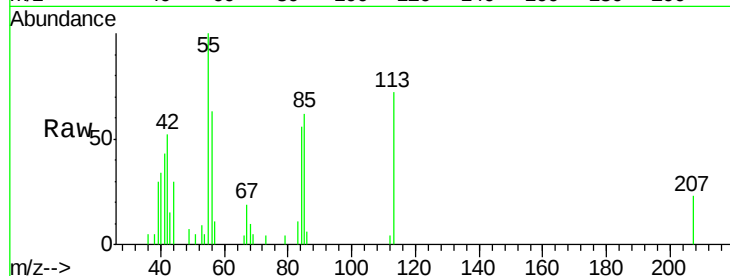
Tot Ion:113 Resp: 9495

Ion Ratio Lower Upper

113 100

55 138.0 120.0 160.0

56 87.4 90.0 130.0#

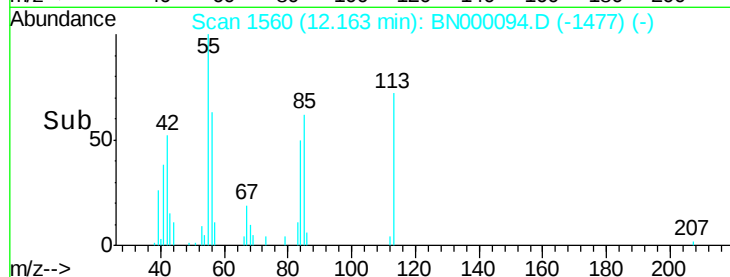


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

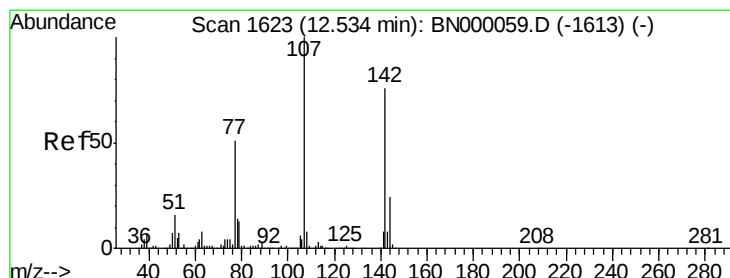
Ion 56.00 (55.70 to 56.70): BNC

Time-->



12.16

Time-->



#36

4-Chloro-3-methylphenol

Concen: 1.072 ng

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

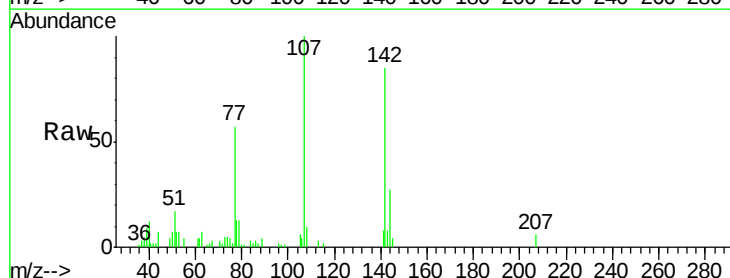
Tgt Ion:107 Resp: 36316

Ion Ratio Lower Upper

107 100

144 26.8 18.2 27.4

142 85.4 59.0 88.4

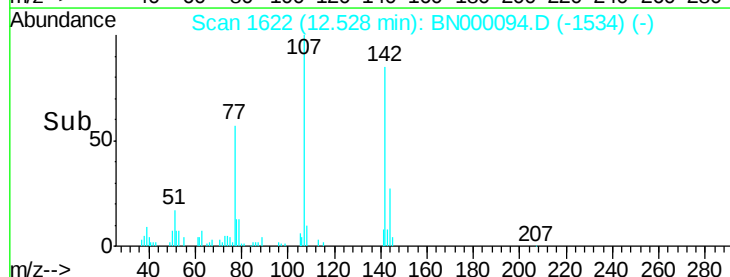


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

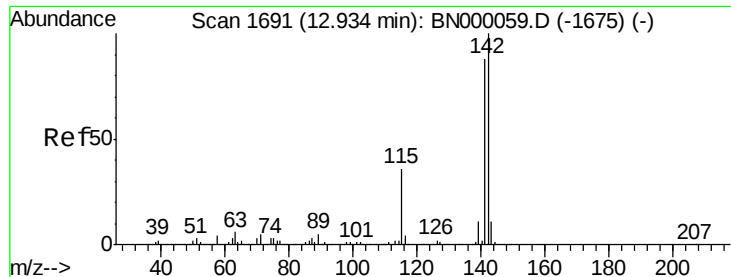
Ion 142.00 (141.70 to 142.70): E

Time-->



12.53

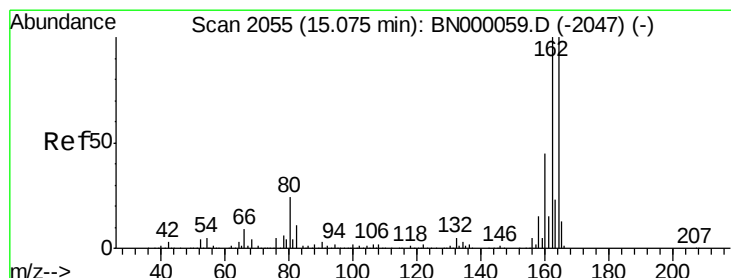
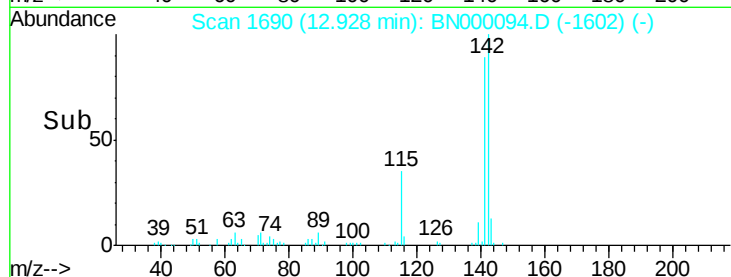
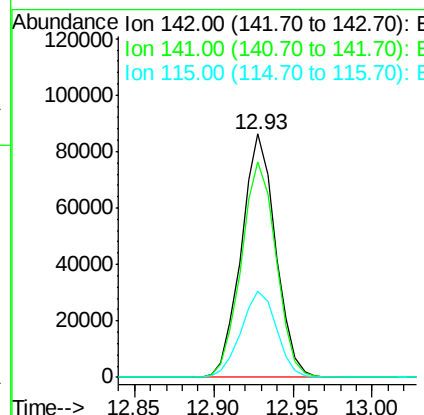
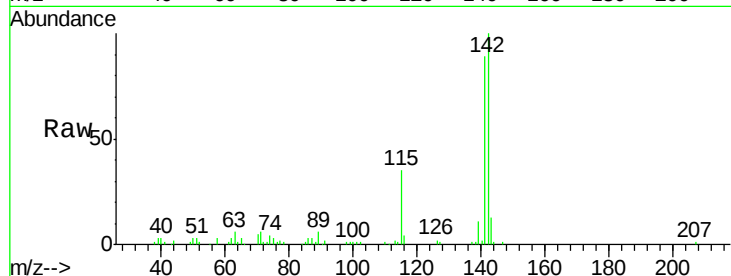
Time-->



#37
2-Methylnaphthalene
Concen: 1.775 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

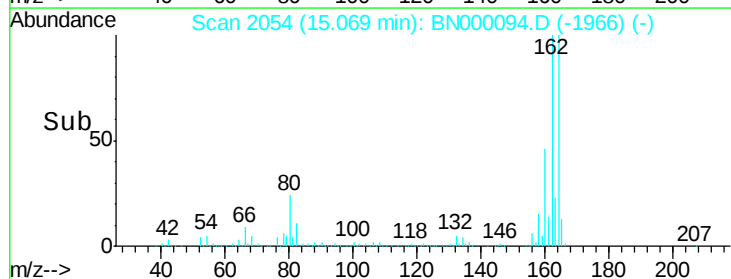
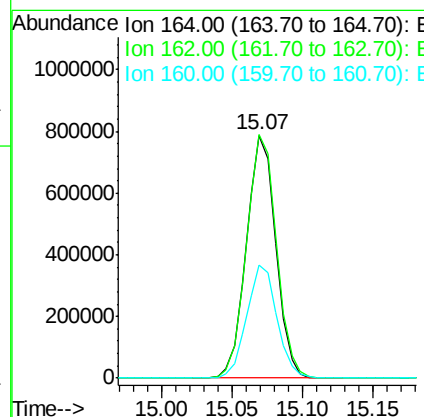
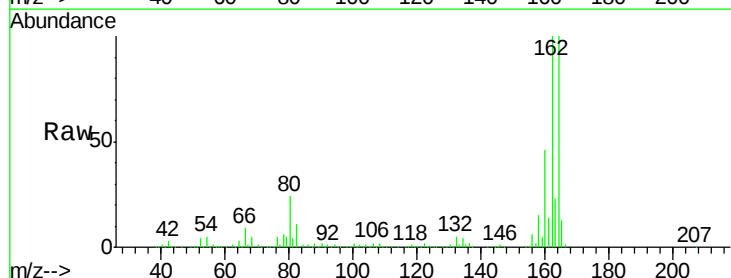
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

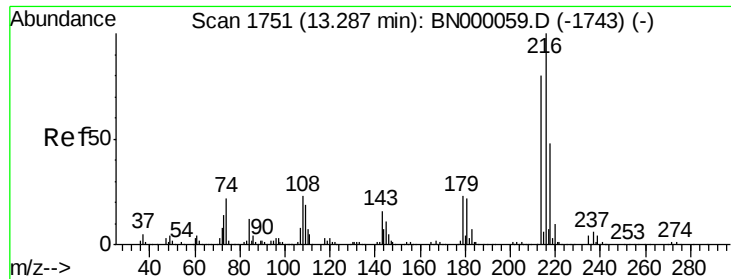
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	67.1	100.7
115	35.4	30.7	46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	78.8	118.2
160	46.5	35.4	53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.919 ng

RT: 13.29 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:216 Resp: 64950

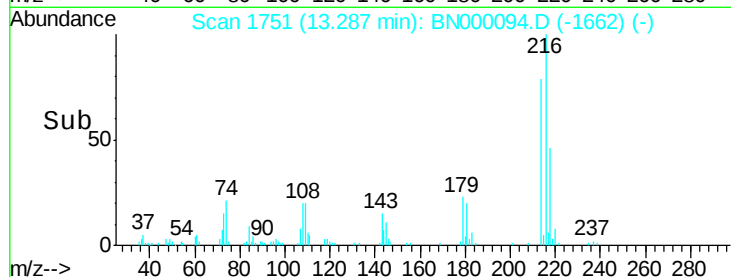
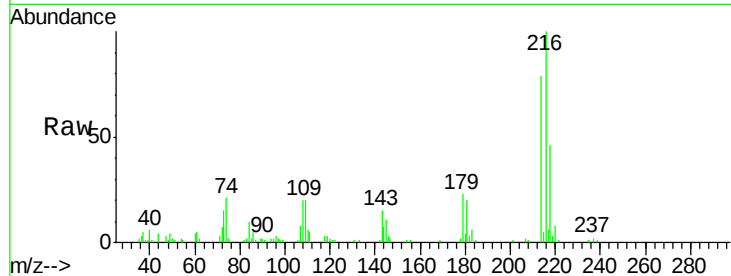
Ion Ratio Lower Upper

216 100

214 78.1 63.0 94.4

179 23.4 17.0 25.6

108 23.0 12.8 19.2#

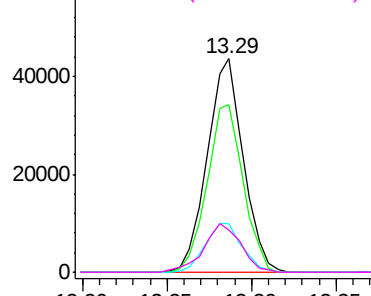


Abundance Ion 216.00 (215.70 to 216.70): E

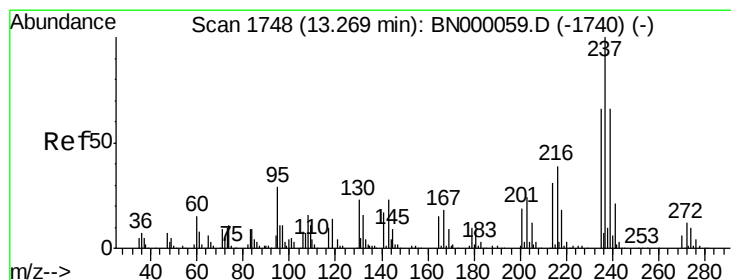
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 13.20 13.25 13.30 13.35



#40

Hexachlorocyclopentadiene

Concen: 1.435 ng

RT: 13.26 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

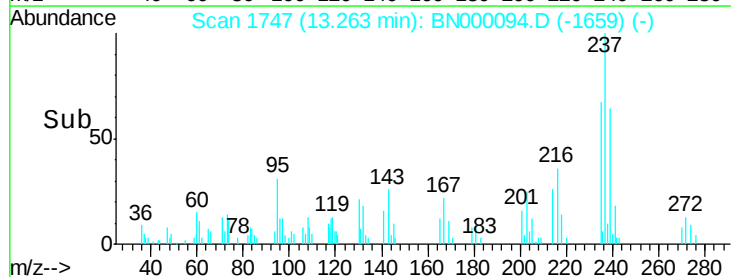
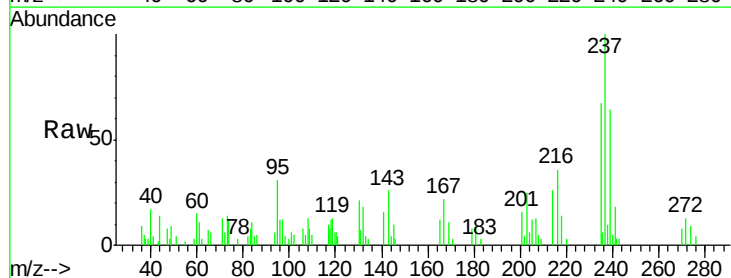
Tgt Ion:237 Resp: 20253

Ion Ratio Lower Upper

237 100

235 67.4 50.4 90.4

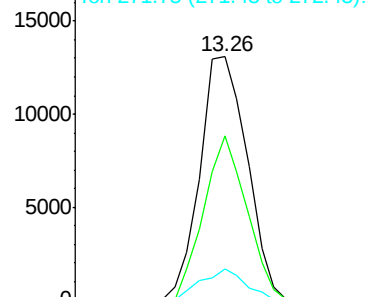
272 13.0 0.0 31.8



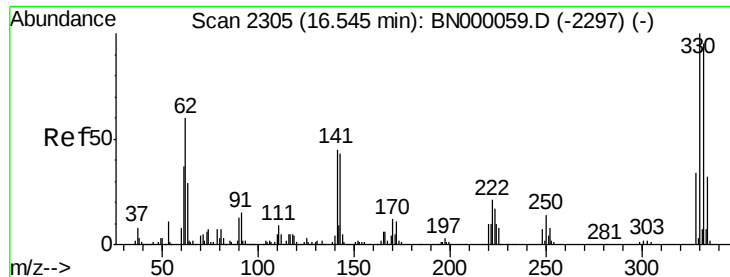
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time--> 13.20 13.25 13.30



#41

2,4,6-Tribromophenol

Concen: 129.247 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

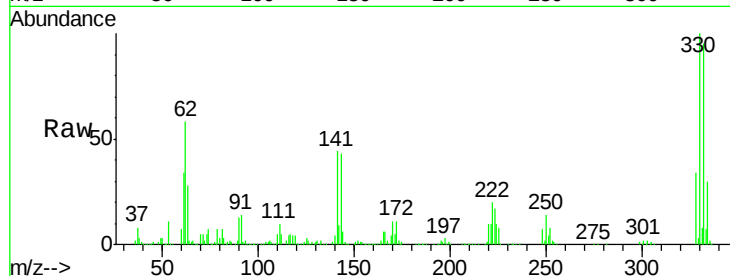
Tot Ion:330 Resp: 1467288

Ion Ratio Lower Upper

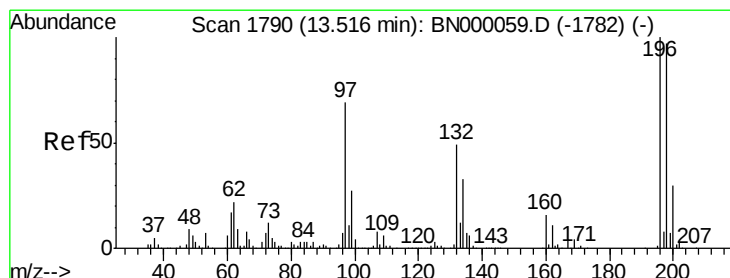
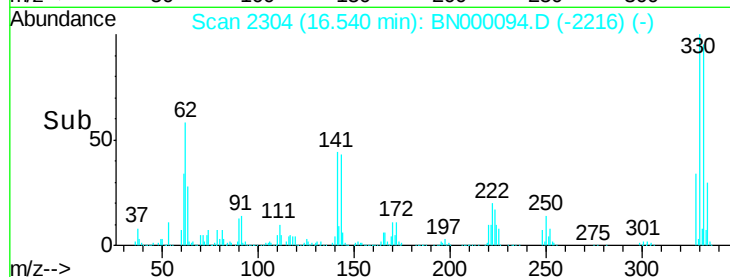
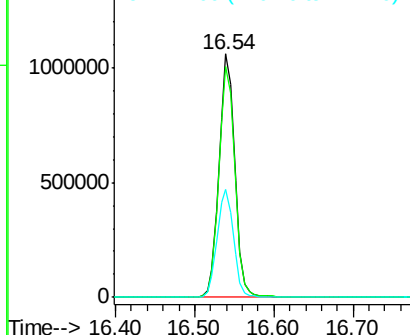
330 100

332 96.6 77.0 115.6

141 46.4 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: 1.048 ng

RT: 13.51 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

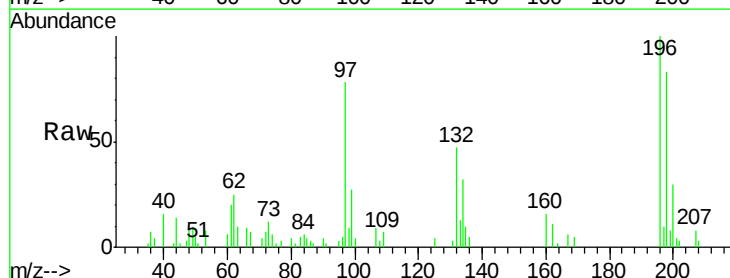
Tgt Ion:196 Resp: 21271

Ion Ratio Lower Upper

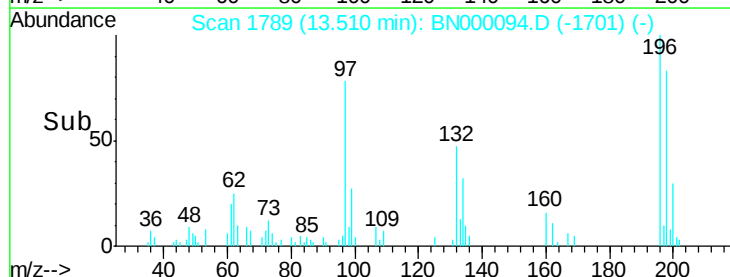
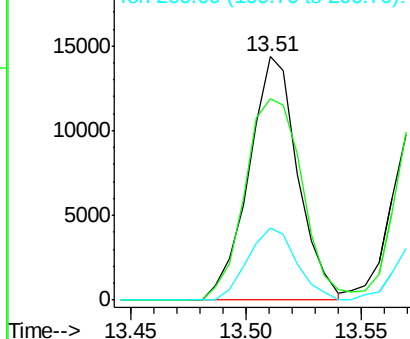
196 100

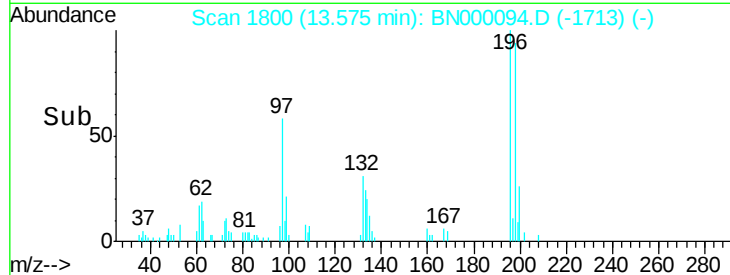
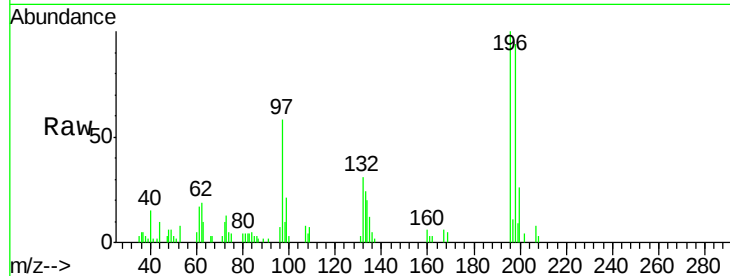
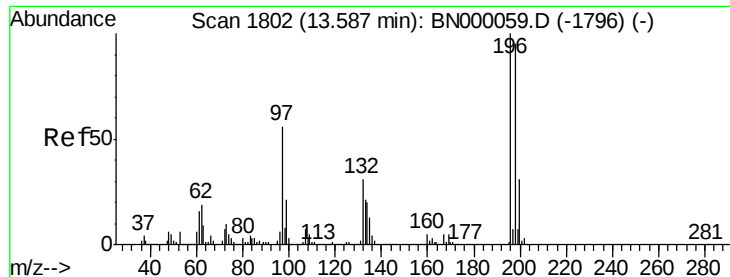
198 82.7 78.2 117.2

200 29.7 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

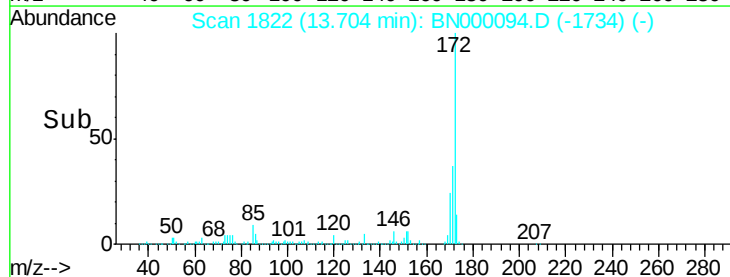
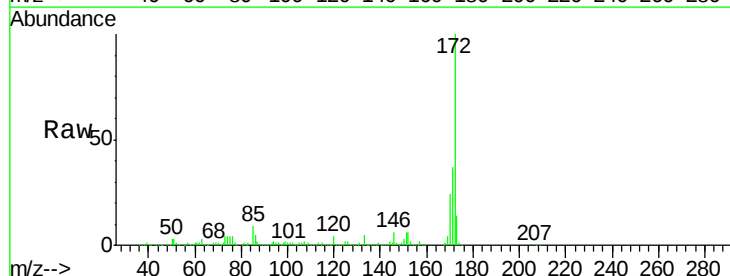
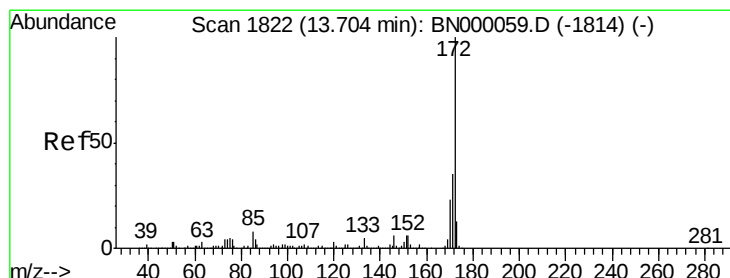
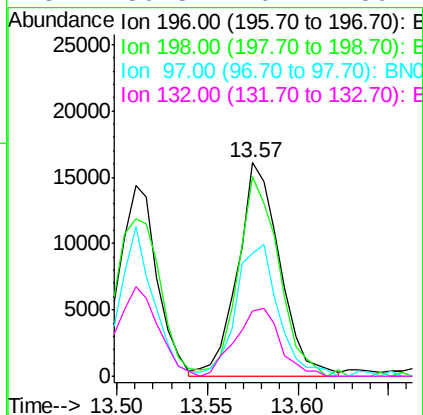




#43
2,4,5-Trichlorophenol
Concen: 1.067 ng
RT: 13.57 min Scan# 1800
Delta R.T. -0.02 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

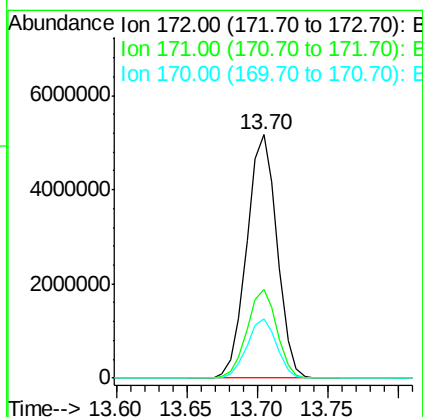
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

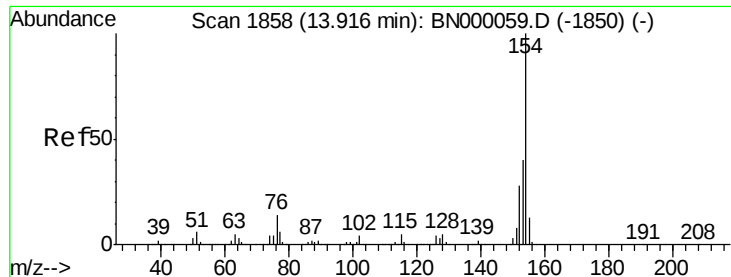
Tot Ion:196 Resp: 26022
Ion Ratio Lower Upper
196 100
198 93.5 76.2 114.4
97 57.6 38.7 58.1
132 30.8 20.2 30.2#



#44
2-Fluorobiphenyl
Concen: 95.619 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:172 Resp: 7780983
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 24.3 19.5 29.3





#45

1,1'-Biphenyl

Concen: 2.055 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

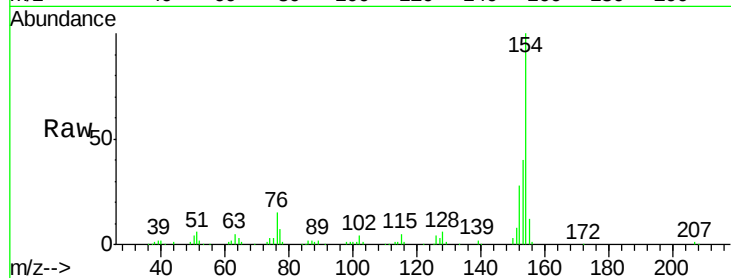
Tot Ion:154 Resp: 207601

Ion Ratio Lower Upper

154 100

153 40.2 19.8 59.8

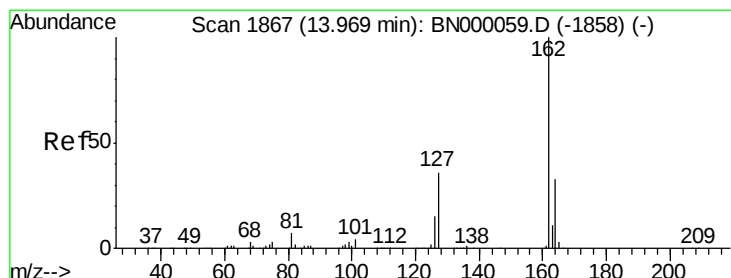
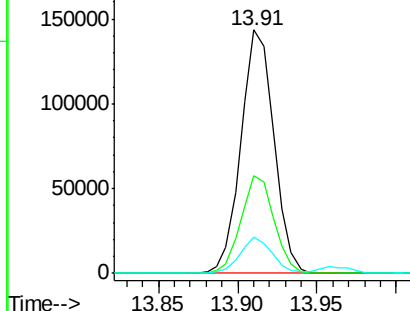
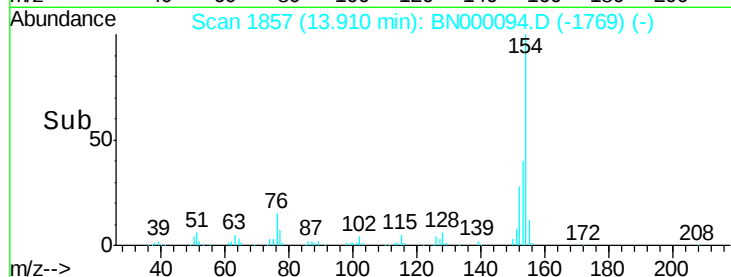
76 14.9 0.0 31.9



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: 1.880 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

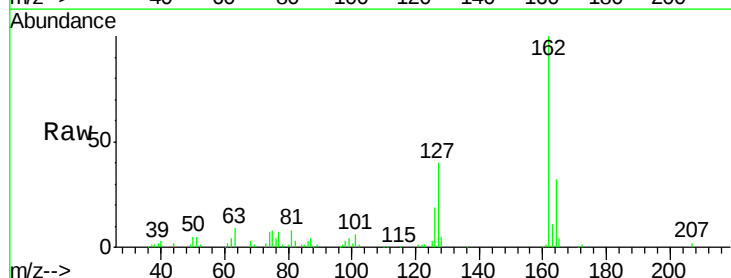
Tgt Ion:162 Resp: 142457

Ion Ratio Lower Upper

162 100

127 39.6 30.7 46.1

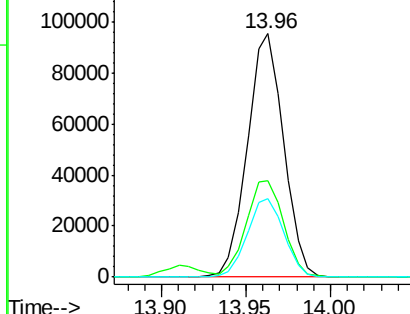
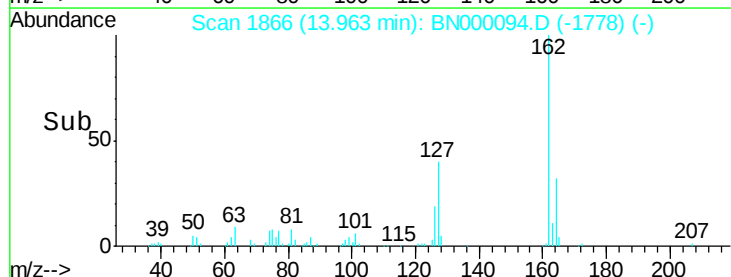
164 32.1 26.0 39.0

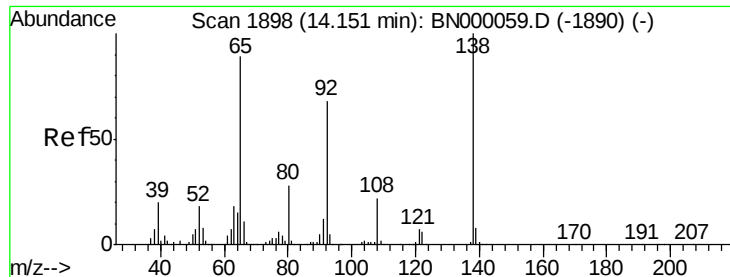


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 5.671 ng

RT: 14.15 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

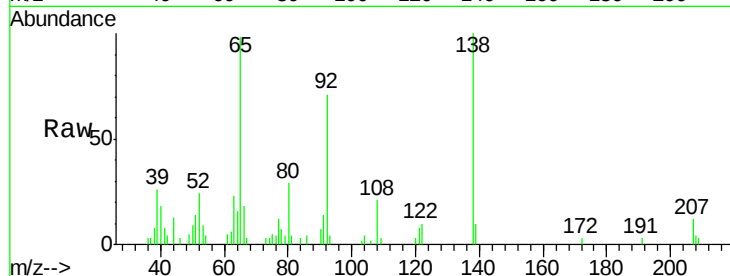
Tot Ion: 65 Resp: 19617

Ion Ratio Lower Upper

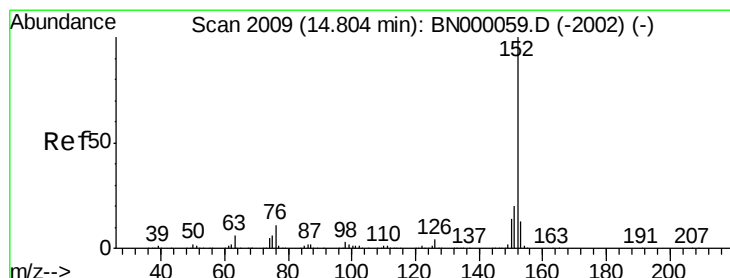
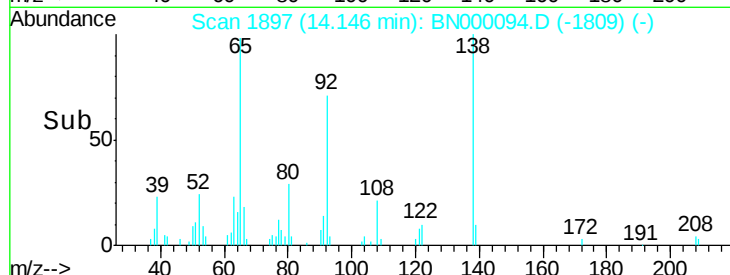
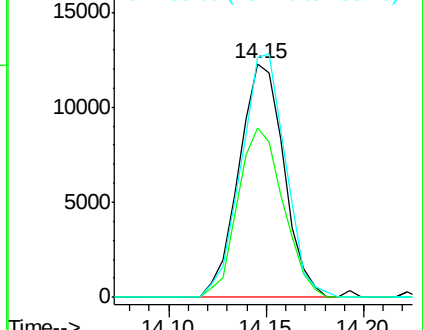
65 100

92 72.7 54.6 82.0

138 102.4 72.9 109.3



Abundance Ion 65.00 (64.70 to 65.70): BN0
Ion 92.00 (91.70 to 92.70): BN0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 1.506 ng

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

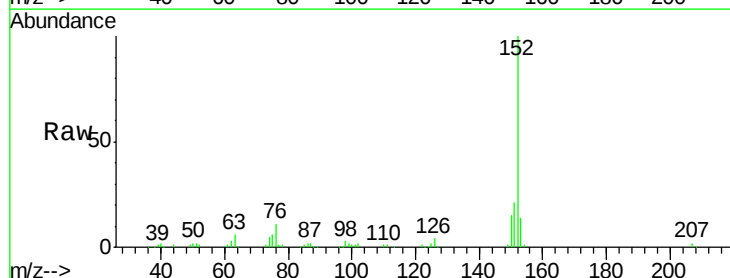
Tgt Ion: 152 Resp: 183946

Ion Ratio Lower Upper

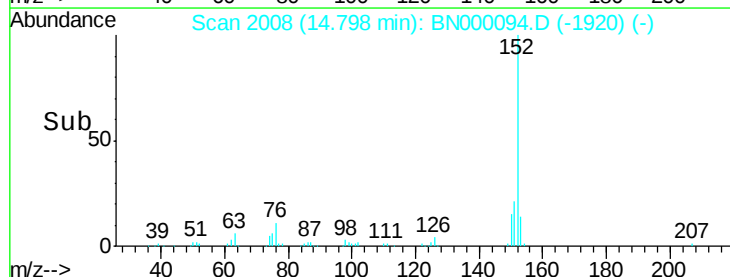
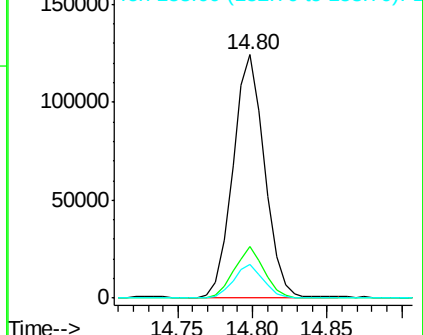
152 100

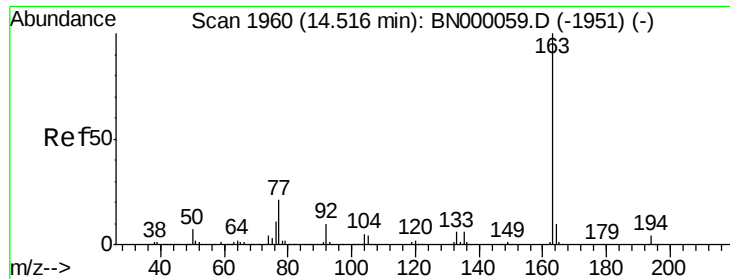
151 21.0 17.2 25.8

153 14.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 1.609 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

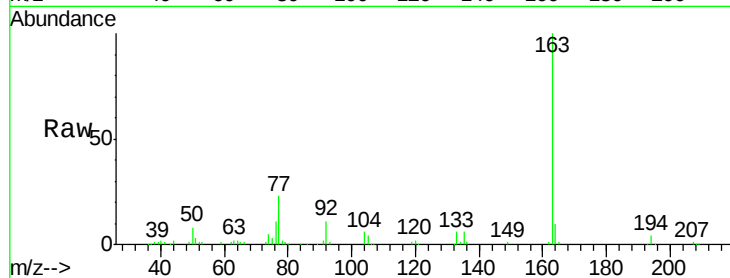
Tot Ion:163 Resp: 154233

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

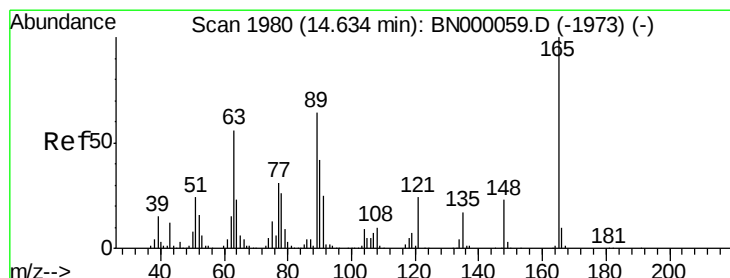
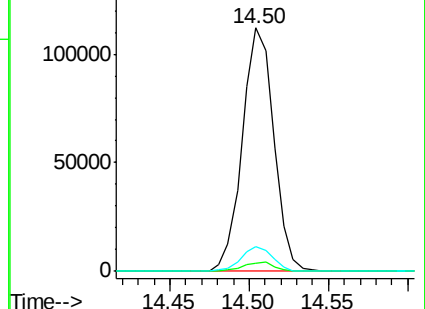
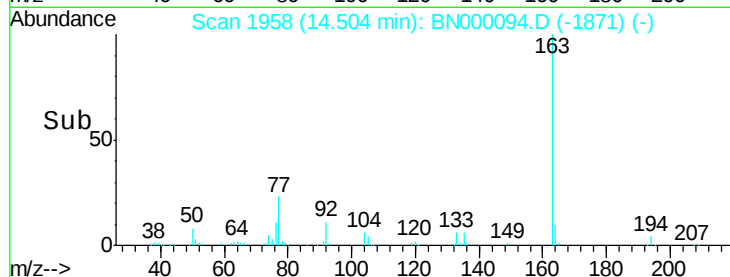
164 10.4 8.2 12.4



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: 0.917 ng

RT: 14.63 min Scan# 1979

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

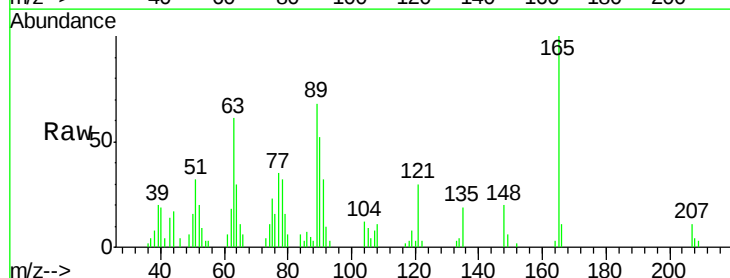
Tgt Ion:165 Resp: 18145

Ion Ratio Lower Upper

165 100

63 60.8 52.7 79.1

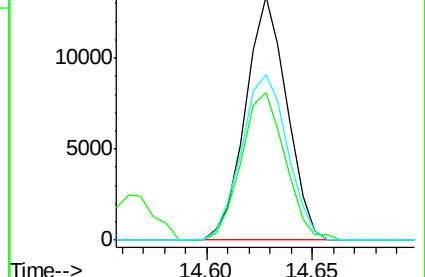
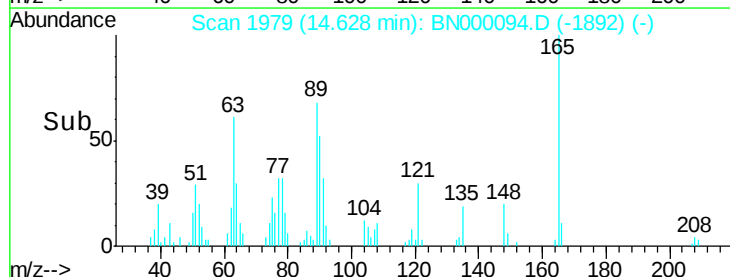
89 67.8 49.2 73.8

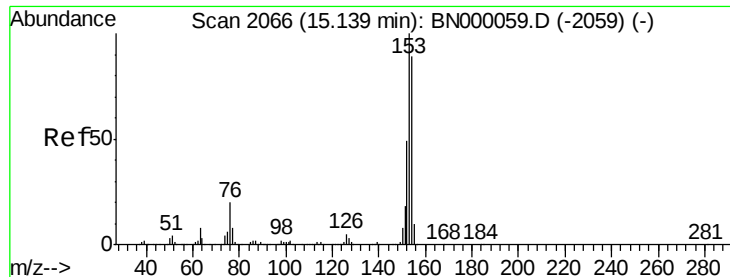


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 1.839 ng

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

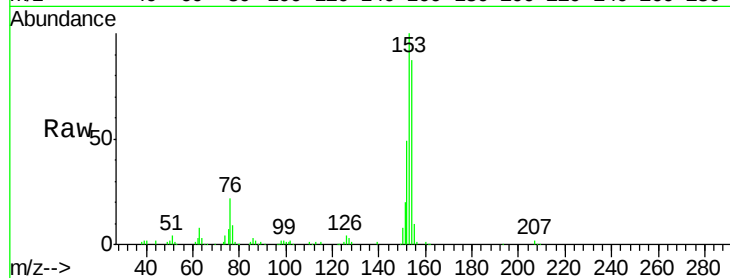
Tot Ion:154 Resp: 146134

Ion Ratio Lower Upper

154 100

153 115.5 90.4 135.6

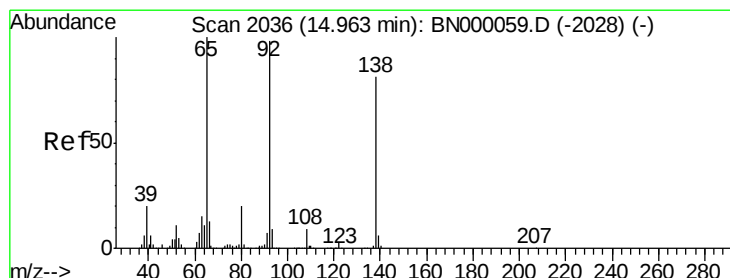
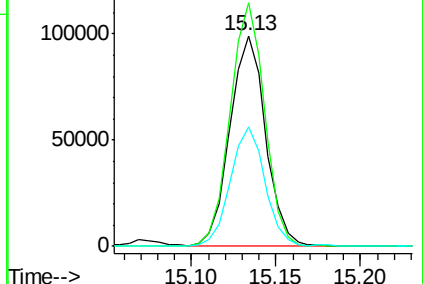
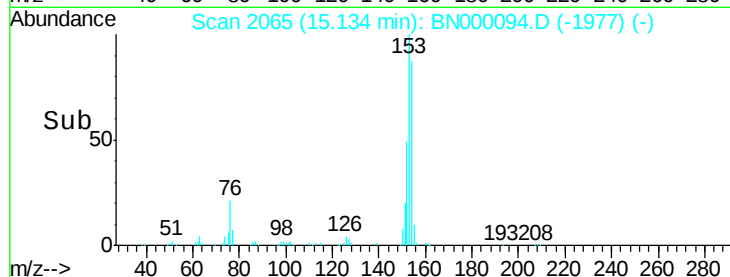
152 56.4 41.6 62.4



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: 0.933 ng

RT: 14.95 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

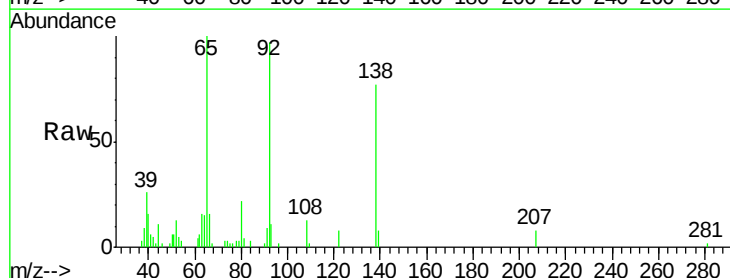
Tgt Ion:138 Resp: 22440

Ion Ratio Lower Upper

138 100

108 16.7 17.5 26.3#

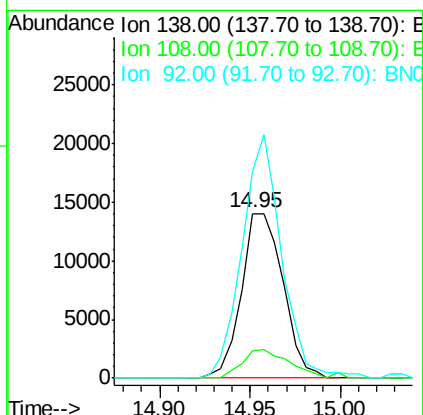
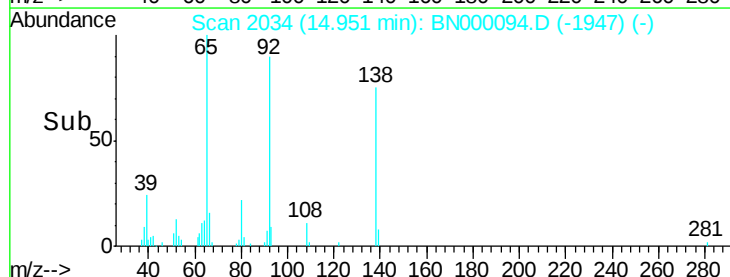
92 125.6 105.8 158.8

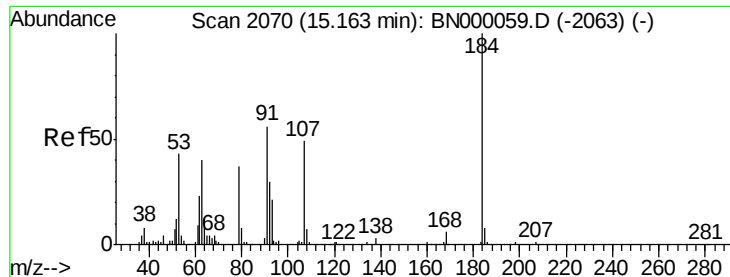


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

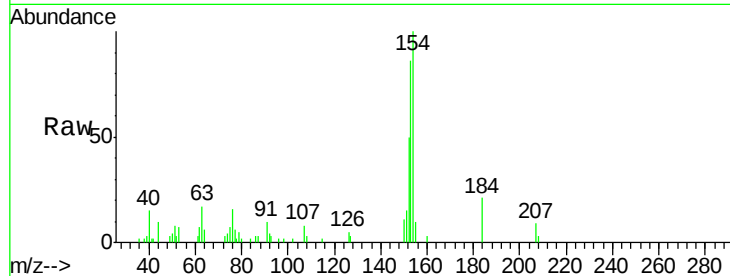




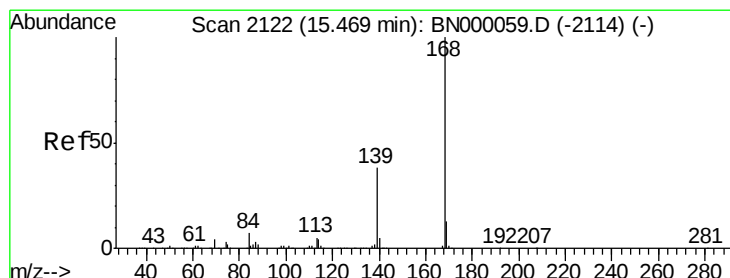
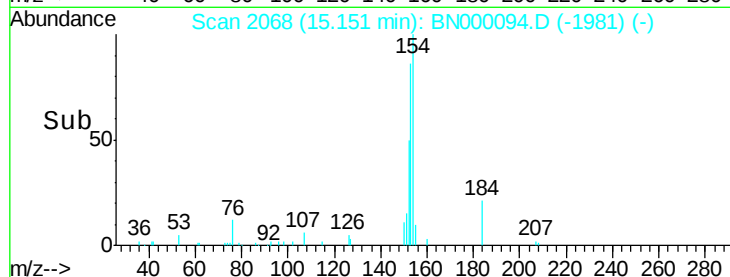
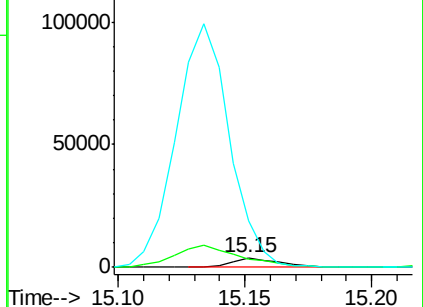
#53
2,4-Dinitrophenol
Concen: 9.863 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.02 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

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

Tot Ion:184 Resp: 5037
Ion Ratio Lower Upper
184 100
63 79.6 80.0 120.0#
154 469.8 308.0 462.0#

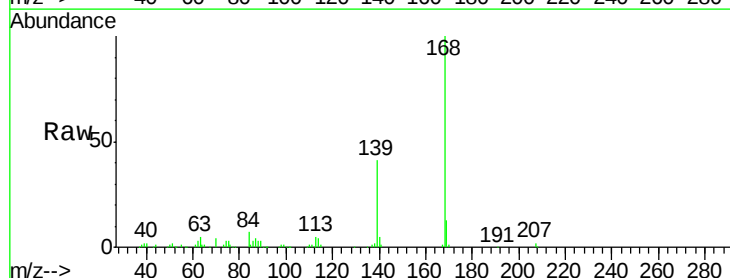


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 154.00 (153.70 to 154.70): E

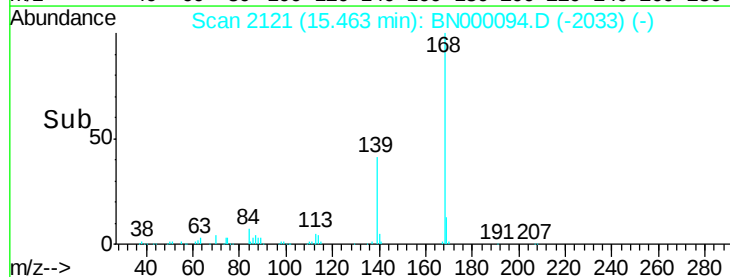
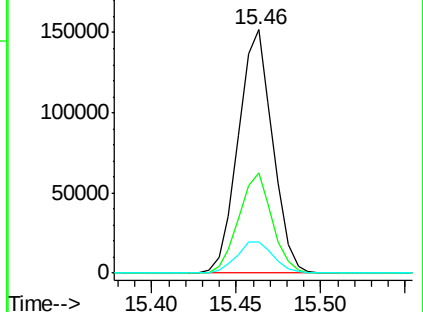


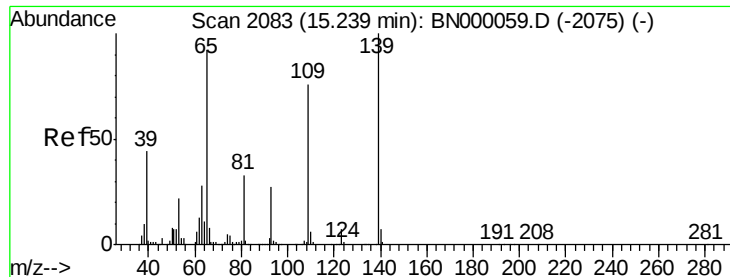
#54
Dibenzofuran
Concen: 1.904 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:168 Resp: 214387
Ion Ratio Lower Upper
168 100
139 41.4 28.6 43.0
169 13.0 11.2 16.8



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





#55

4-Nitrophenol

Concen: 5.604 ng

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

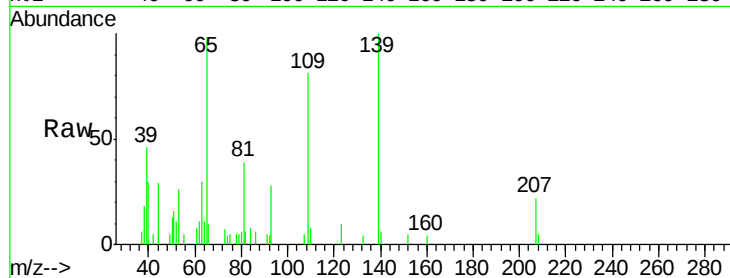
Tot Ion:139 Resp: 13181

Ion Ratio Lower Upper

139 100

109 81.3 62.2 102.2

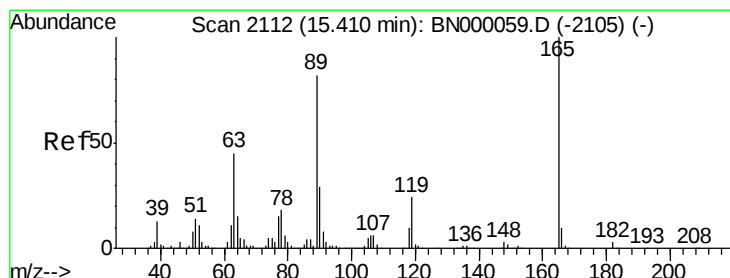
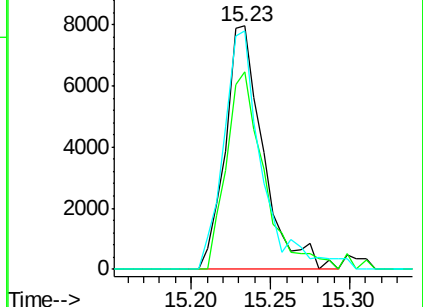
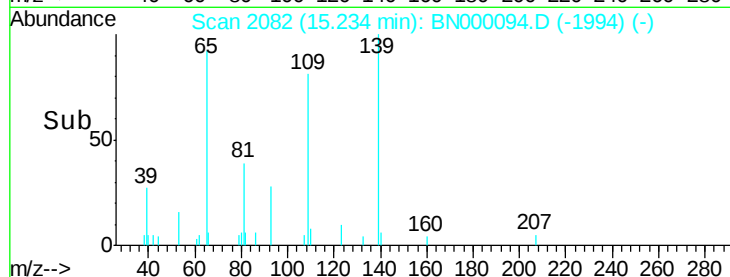
65 97.9 97.2 137.2



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: 4.838 ng

RT: 15.40 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Tgt Ion:165 Resp: 20341

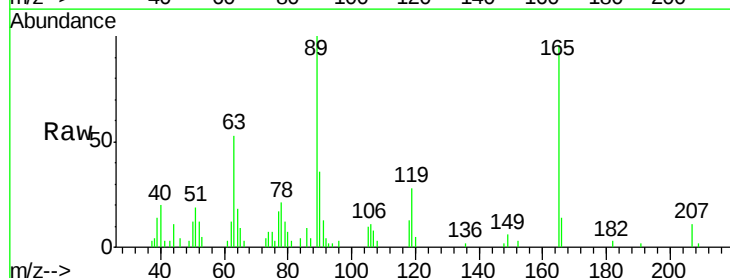
Ion Ratio Lower Upper

165 100

63 55.0 42.0 63.0

89 104.1 66.9 100.3#

182 3.2 2.6 3.8

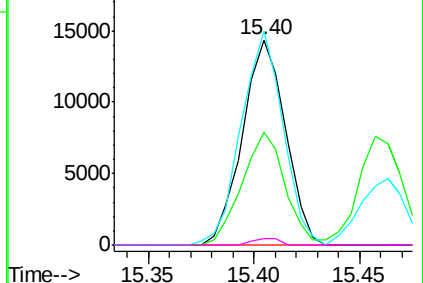
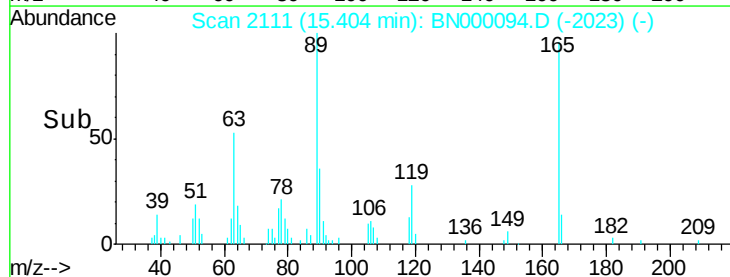


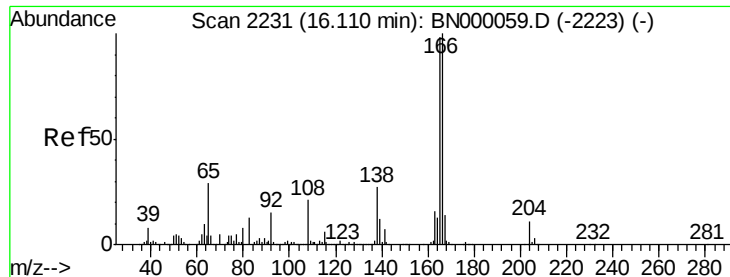
Abundance Ion 165.00 (164.70 to 165.70): E

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

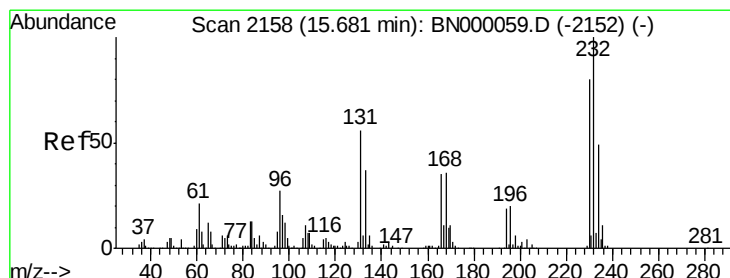
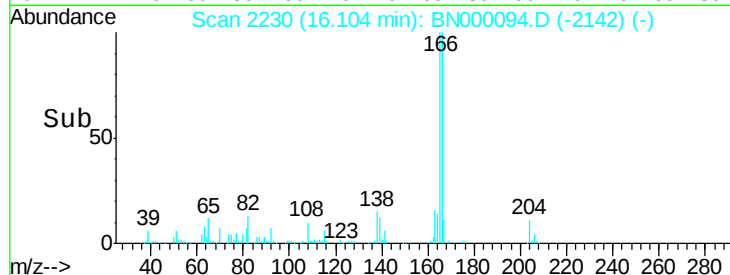
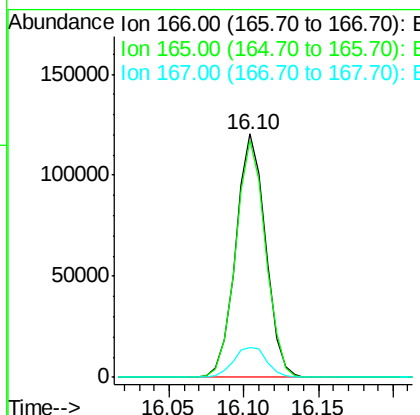
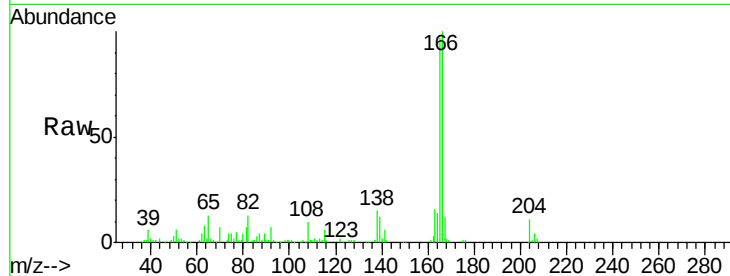




#57
 Fluorene
 Concen: 1.822 ng
 RT: 16.10 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

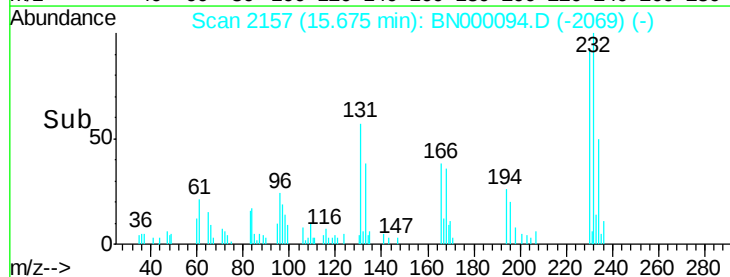
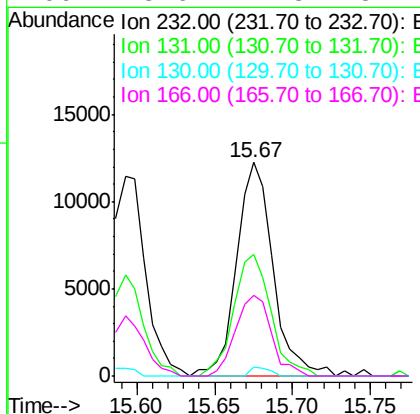
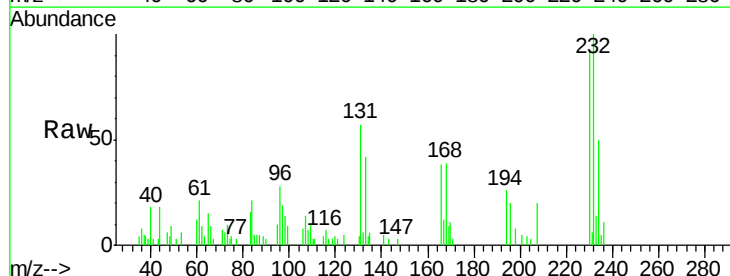
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

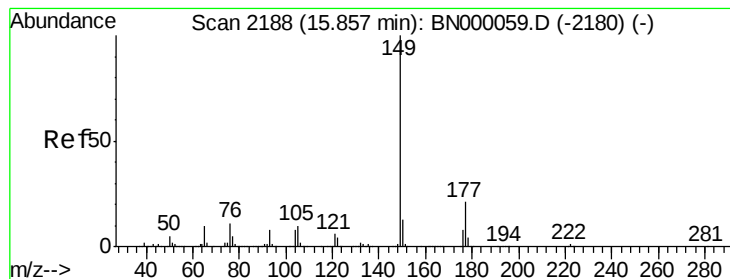
Tot Ion:166 Resp: 167431
 Ion Ratio Lower Upper
 166 100
 165 97.5 80.6 121.0
 167 12.2 10.4 15.6



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.032 ng m
 RT: 15.67 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion:232 Resp: 19873
 Ion Ratio Lower Upper
 232 100
 131 44.4 33.5 50.3
 130 2.2 2.2 3.2
 166 25.6 24.8 37.2





#59

Diethylphthalate

Concen: 1.485 ng

RT: 15.85 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

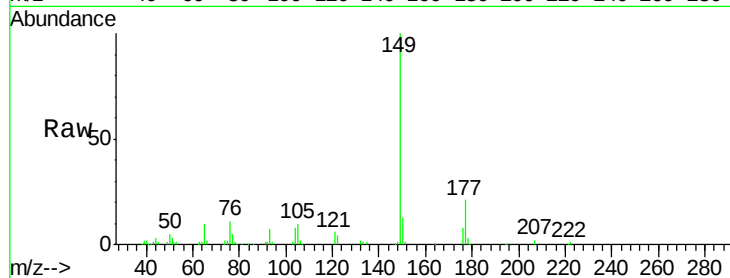
Tot Ion:149 Resp: 144654

Ion Ratio Lower Upper

149 100

177 21.1 18.5 27.7

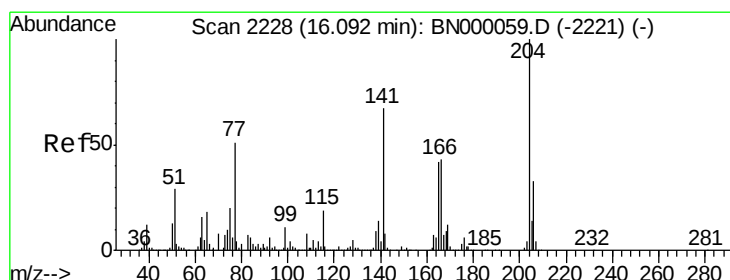
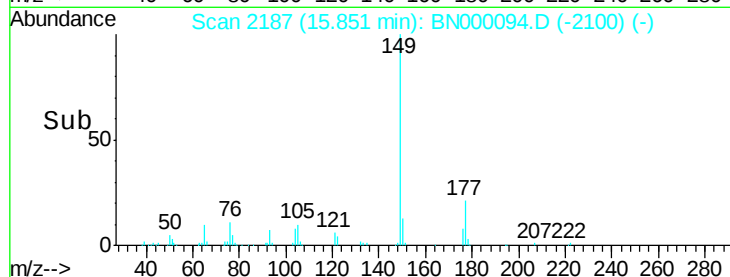
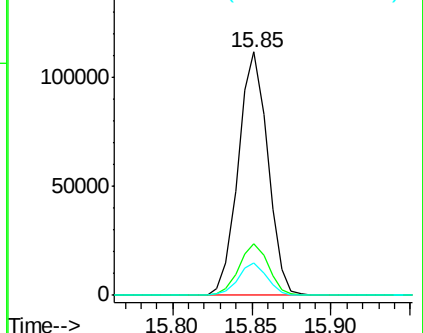
150 13.2 10.2 15.2



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



#60

4-Chlorophenyl-phenylether

Concen: 1.898 ng

RT: 16.09 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

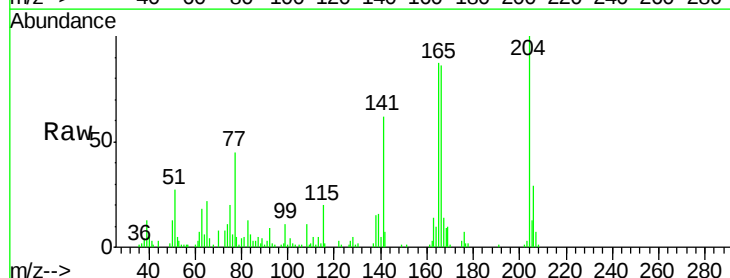
Tgt Ion:204 Resp: 79523

Ion Ratio Lower Upper

204 100

206 29.1 26.2 39.2

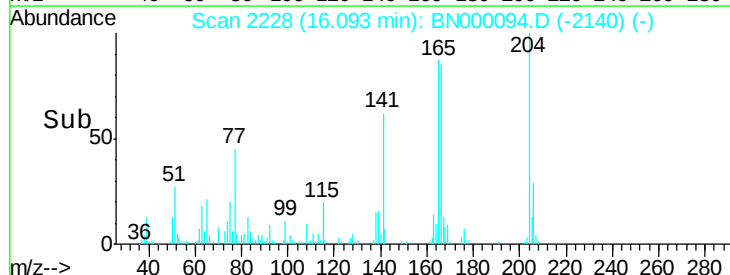
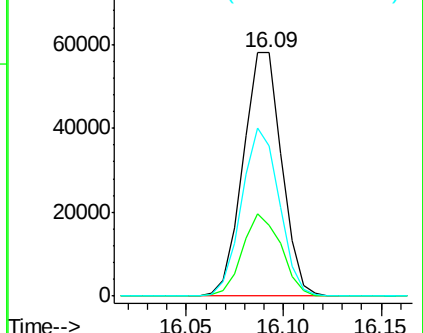
141 61.6 45.8 68.6

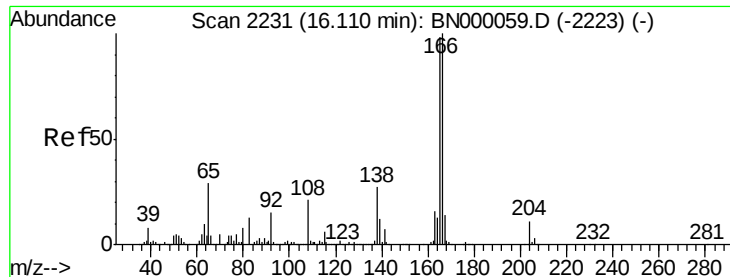


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 0.970 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

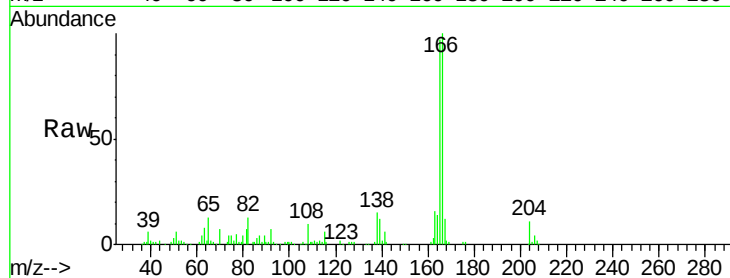
Tot Ion:138 Resp: 23976

Ion Ratio Lower Upper

138 100

92 48.4 40.1 80.1

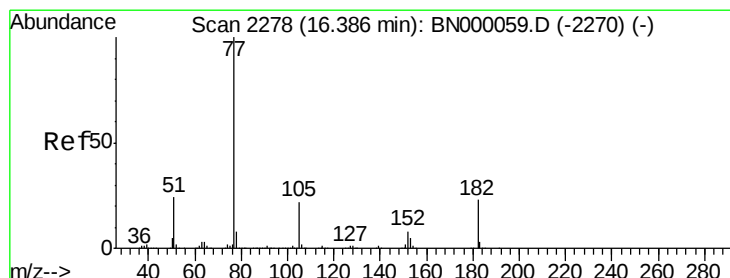
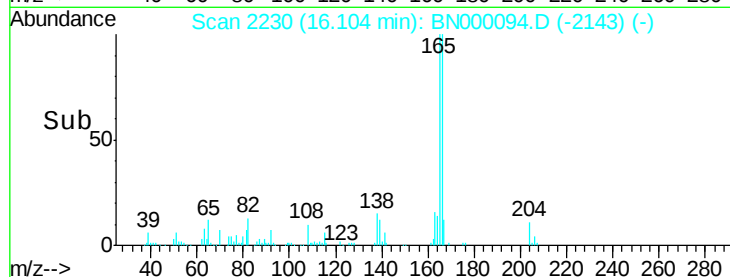
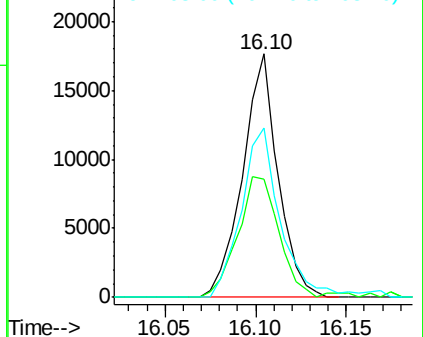
108 69.6 65.4 105.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 1.384 ng

RT: 16.38 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Tgt Ion: 77 Resp: 134228

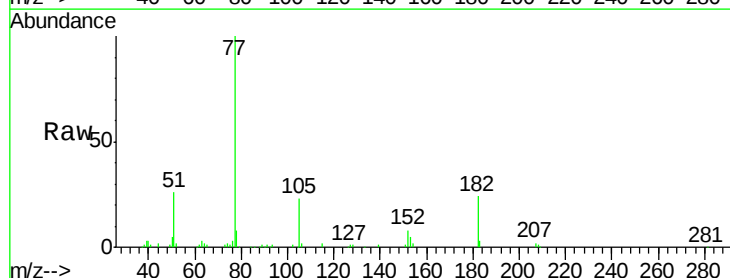
Ion Ratio Lower Upper

77 100

182 23.7 7.4 47.4

105 22.8 0.3 40.3

51 26.1 11.6 51.6

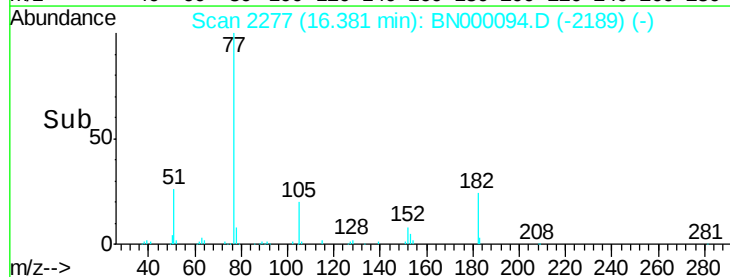
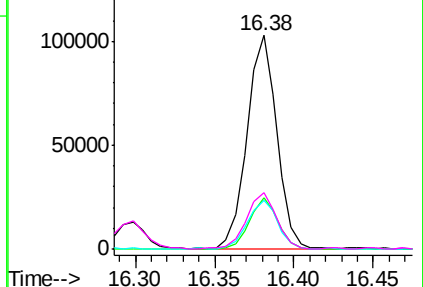


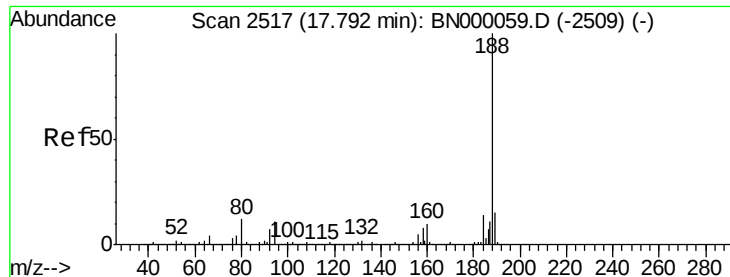
Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BNC

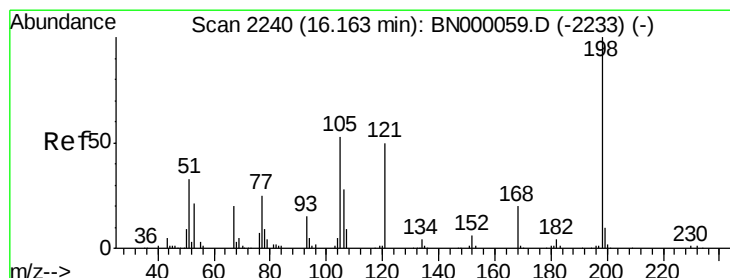
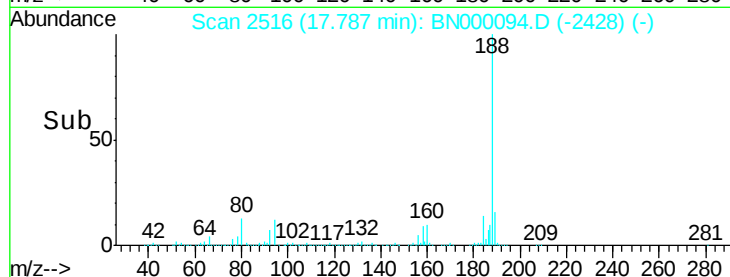
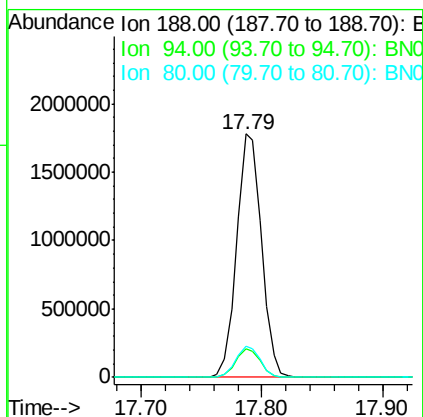
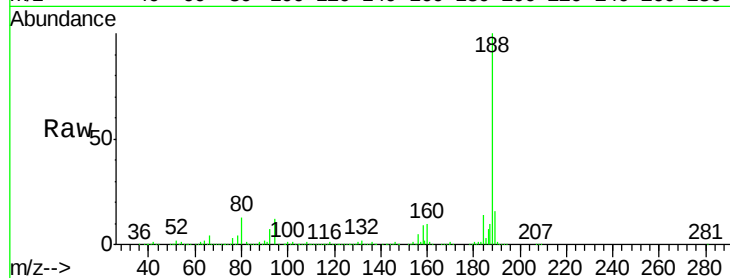




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.79 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

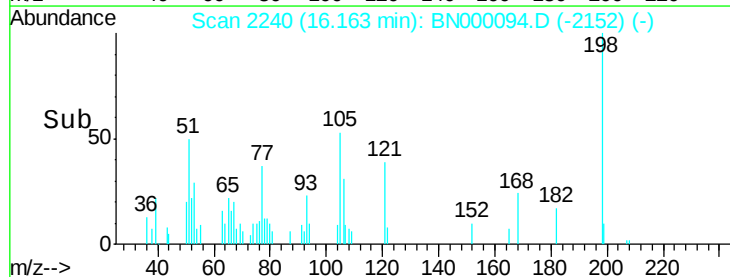
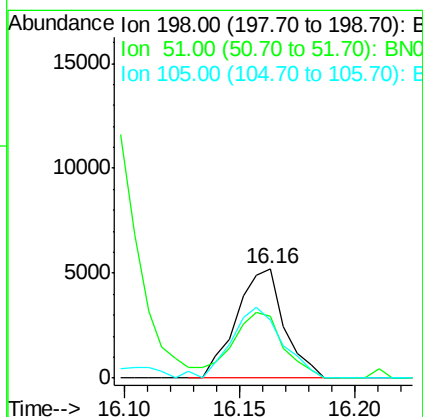
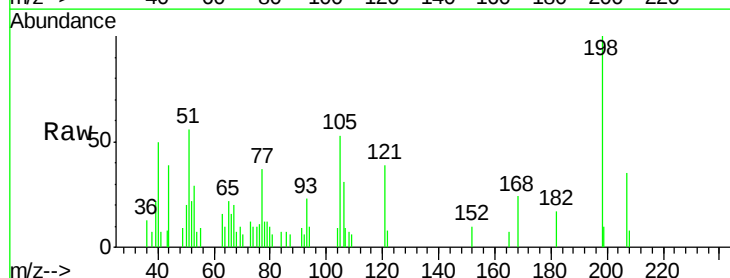
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

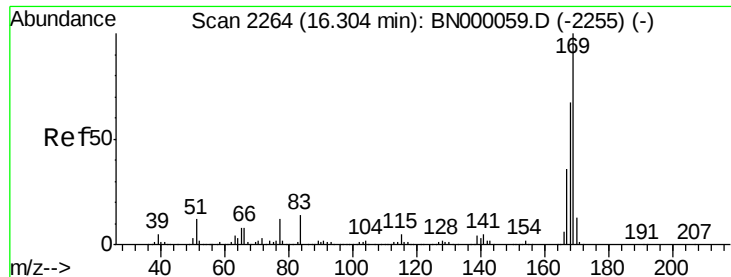
Tot Ion:188 Resp: 2556080
Ion Ratio Lower Upper
188 100
94 12.0 6.9 10.3#
80 12.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 9.214 ng
RT: 16.16 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:198 Resp: 7494
Ion Ratio Lower Upper
198 100
51 56.3 30.6 70.6
105 53.3 23.8 63.8





#65

n-Nitrosodiphenylamine

Concen: 1.545 ng

RT: 16.30 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

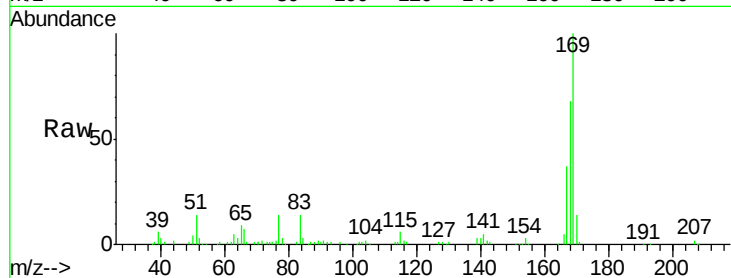
Tot Ion:169 Resp: 128479

Ion Ratio Lower Upper

169 100

168 68.0 55.7 83.5

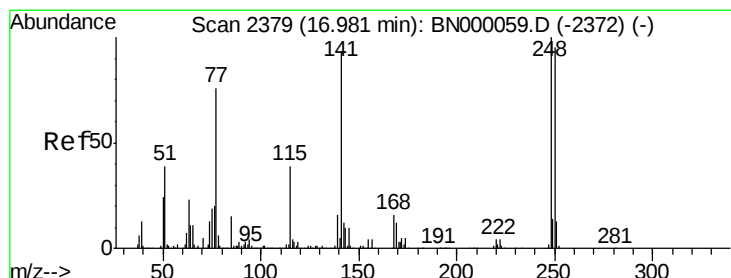
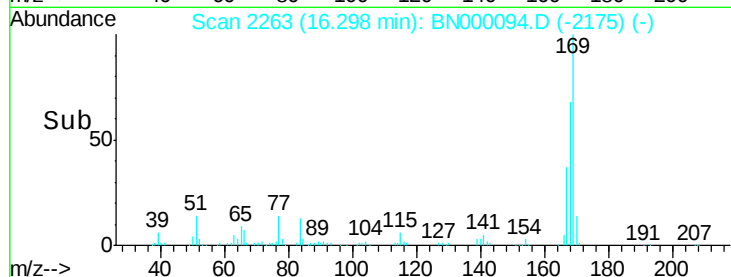
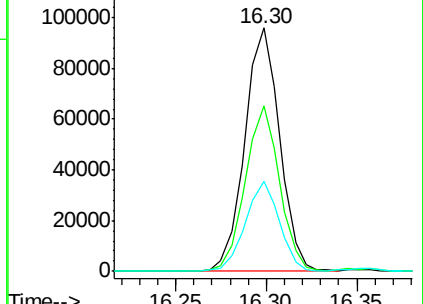
167 37.0 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 1.721 ng

RT: 16.97 min Scan# 2378

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

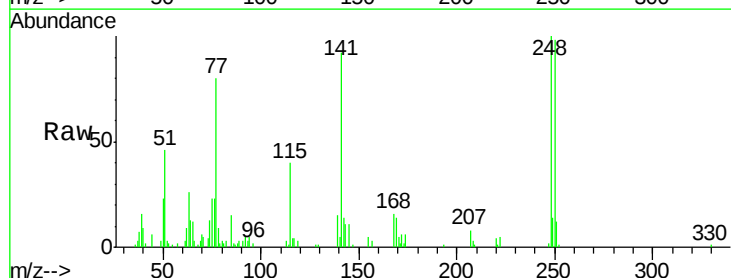
Tgt Ion:248 Resp: 41828

Ion Ratio Lower Upper

248 100

250 97.9 77.1 115.7

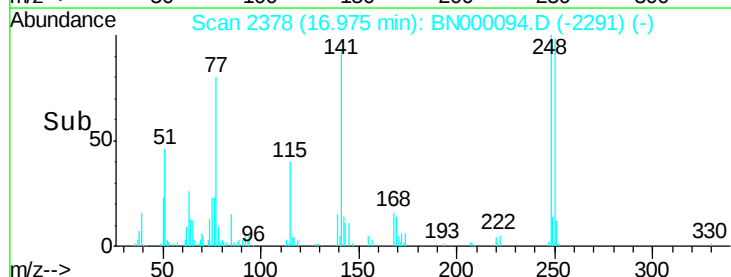
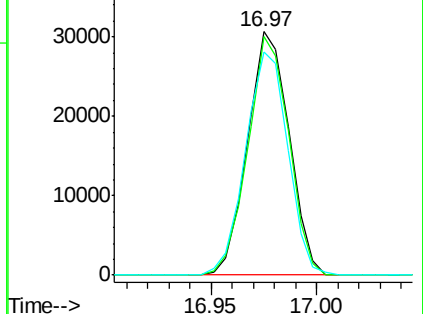
141 91.8 50.8 76.2#

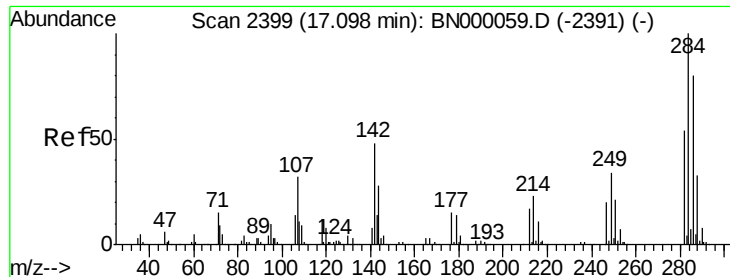


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 1.827 ng

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

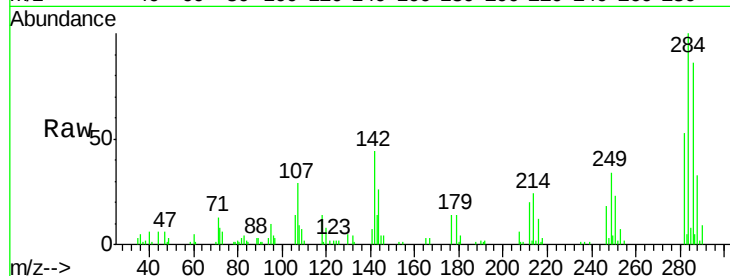
Tot Ion:284 Resp: 51868

Ion Ratio Lower Upper

284 100

142 44.0 26.8 40.2#

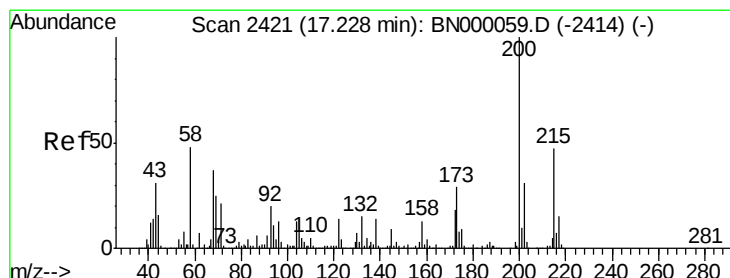
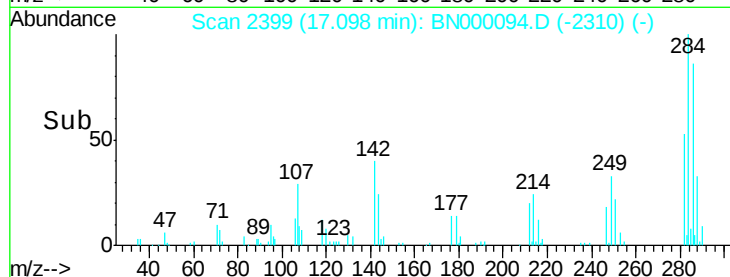
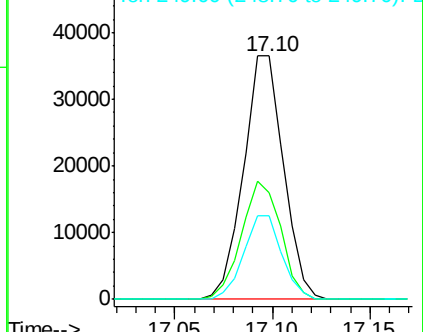
249 34.2 26.3 39.5



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: 1.081 ng

RT: 17.22 min Scan# 2420

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

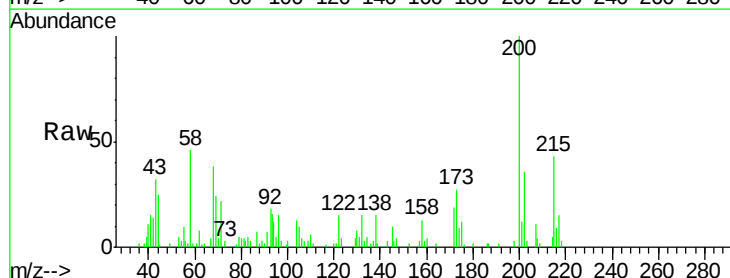
Tgt Ion:200 Resp: 29252

Ion Ratio Lower Upper

200 100

173 27.1 5.2 45.2

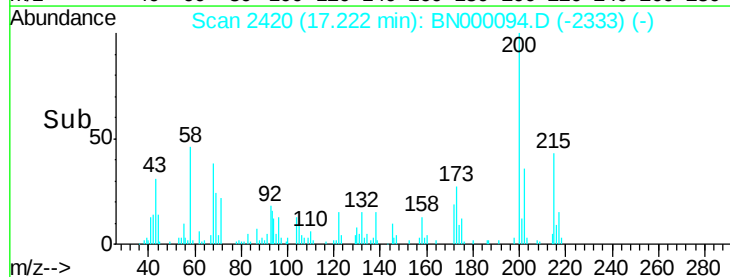
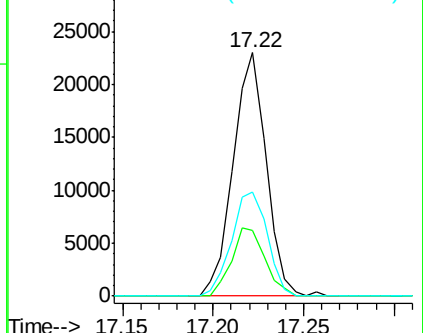
215 42.6 30.4 70.4



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

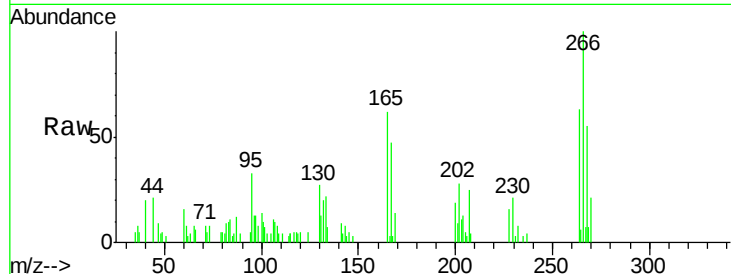




#69
 Pentachlorophenol
 Concen: 6.620 ng
 RT: 17.43 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	55.1	51.1	76.7
264	62.8	49.6	74.4

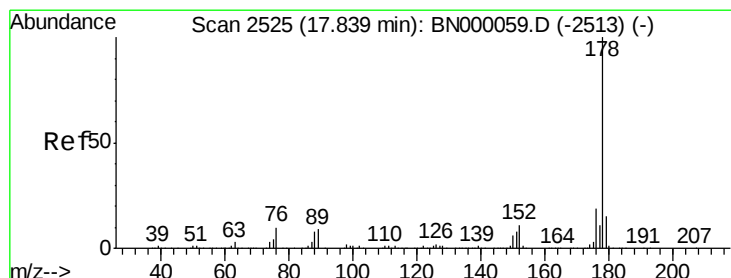
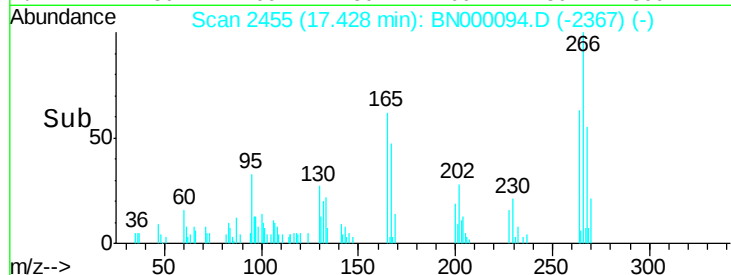
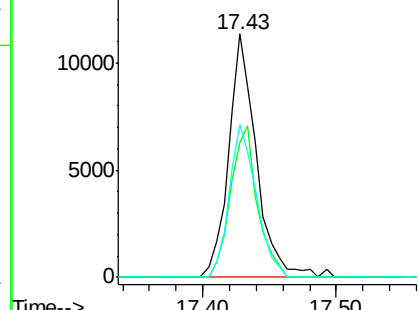


Abundance

Ion 265.70 (265.40 to 266.40): E

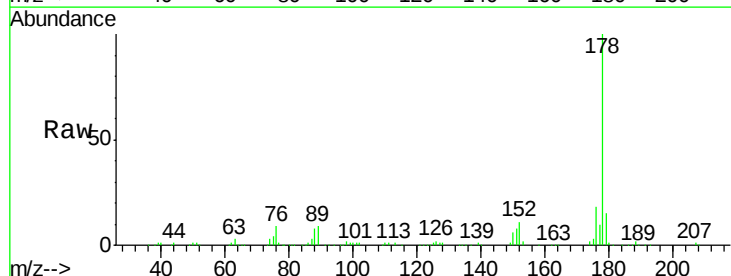
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 1.994 ng
 RT: 17.83 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	15.2	12.5	18.7

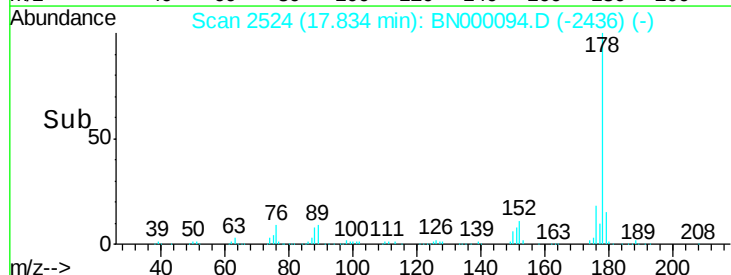
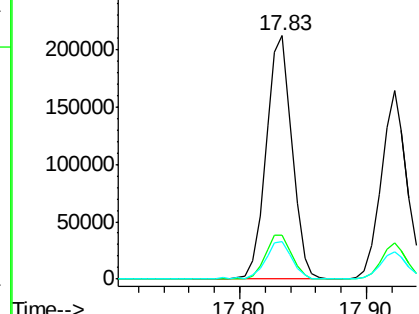


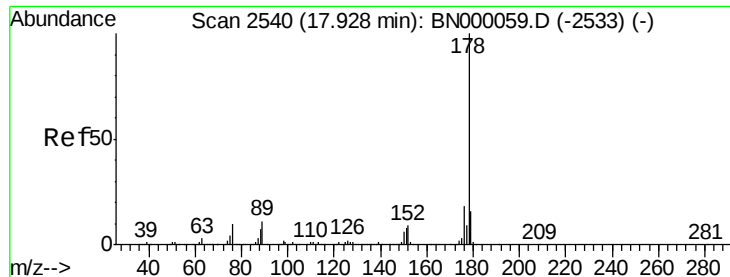
Abundance

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

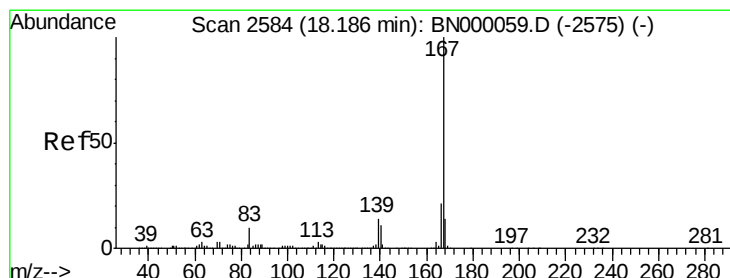
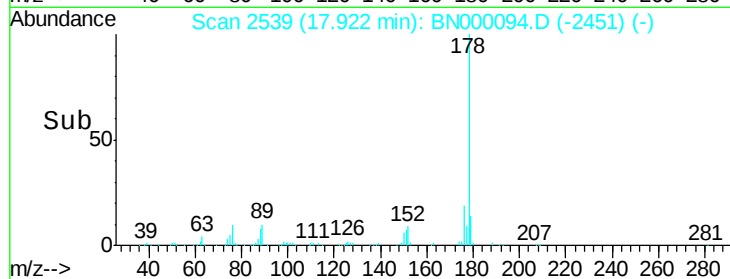
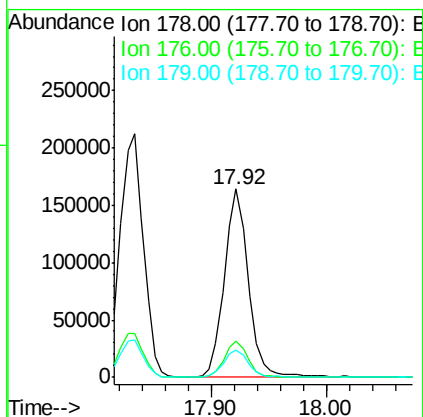
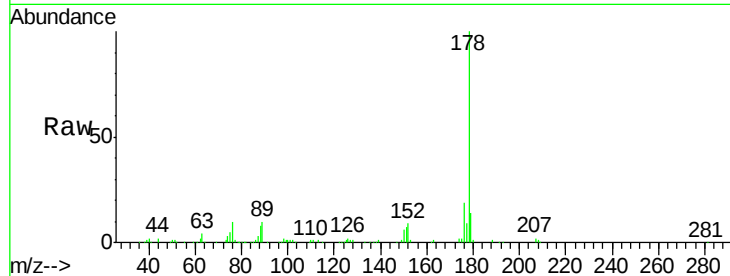




#71
 Anthracene
 Concen: 1.612 ng
 RT: 17.92 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

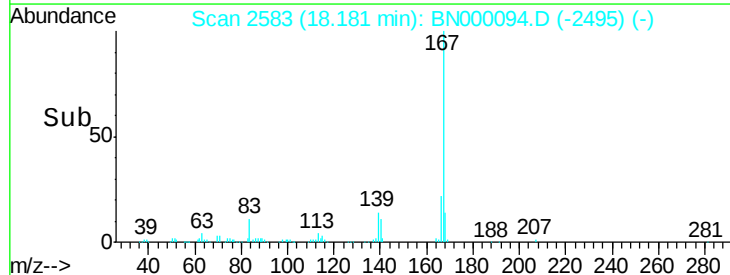
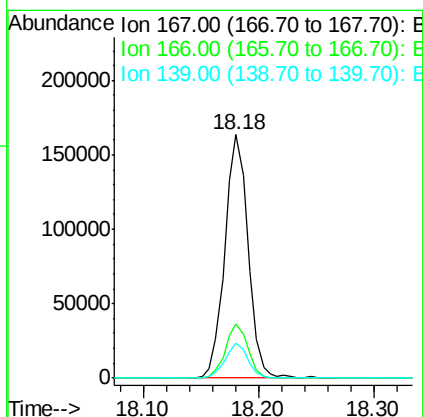
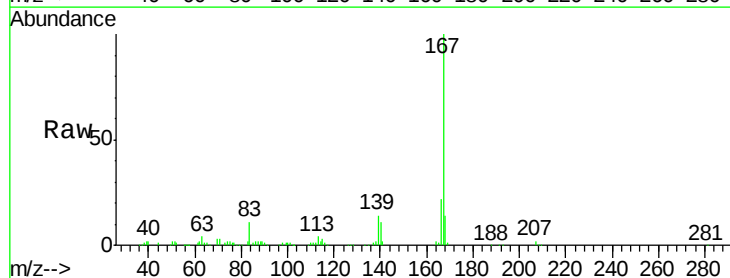
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

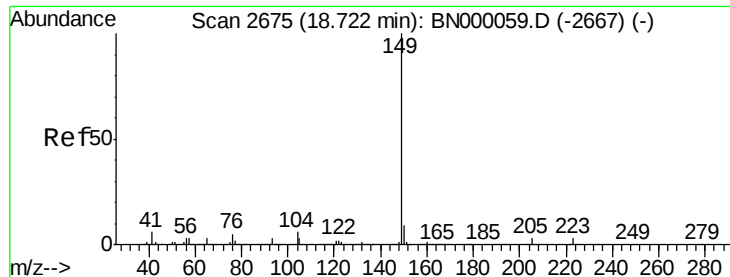
Tot Ion:178 Resp: 235597
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 14.4 12.5 18.7



#72
 Carbazole
 Concen: 1.554 ng
 RT: 18.18 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion:167 Resp: 228914
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.2 27.4
 139 14.1 9.4 14.2





#73

Di-n-butylphthalate

Concen: 1.066 ng

RT: 18.71 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

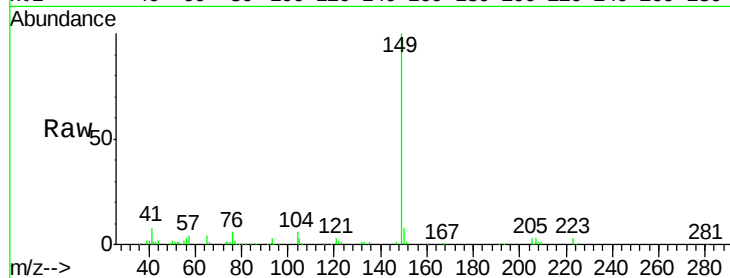
Tot Ion:149 Resp: 173370

Ion Ratio Lower Upper

149 100

150 8.3 7.8 11.6

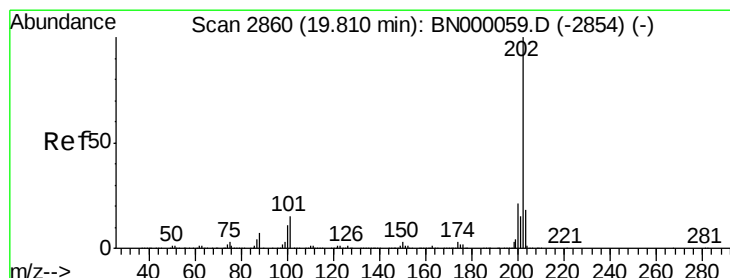
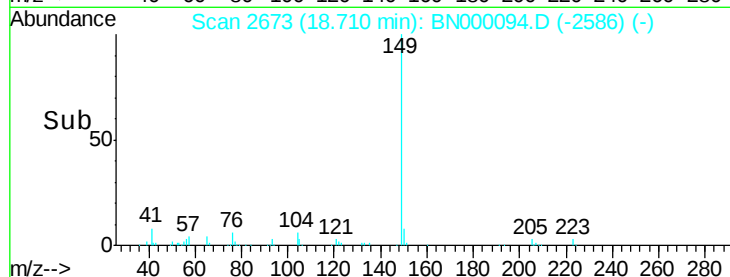
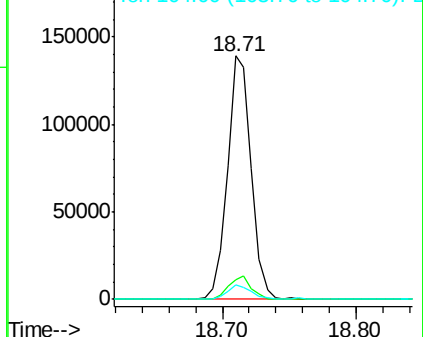
104 5.9 3.9 5.9#



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: 1.639 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

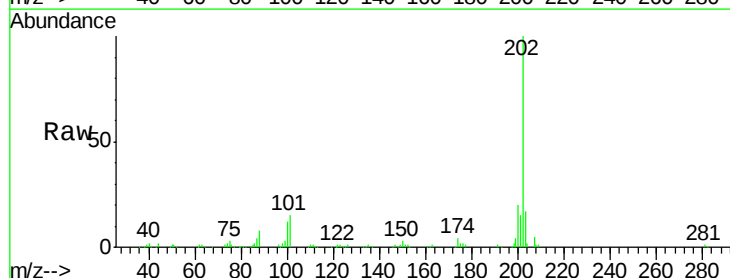
Tgt Ion:202 Resp: 259547

Ion Ratio Lower Upper

202 100

101 14.5 0.0 28.9

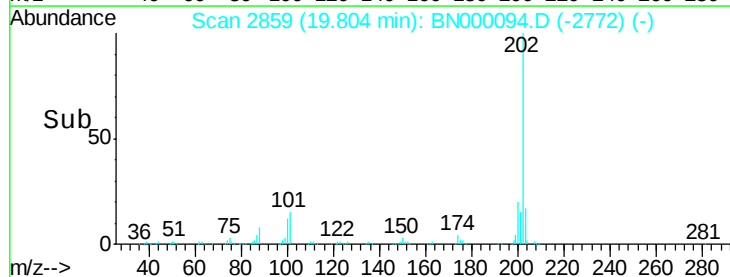
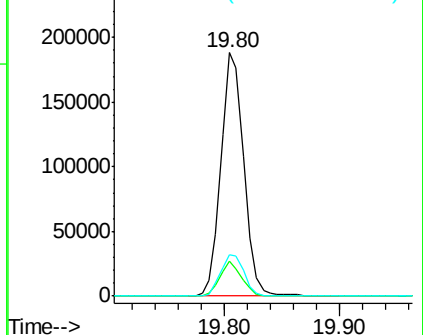
203 17.0 0.0 37.5

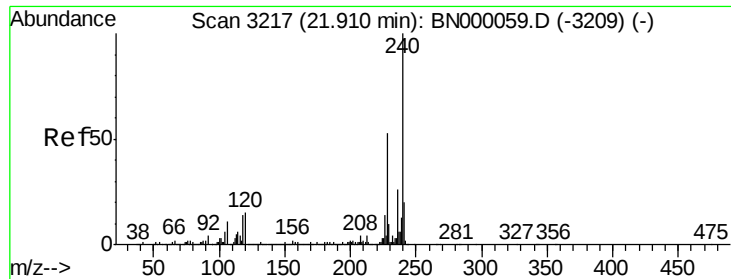


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

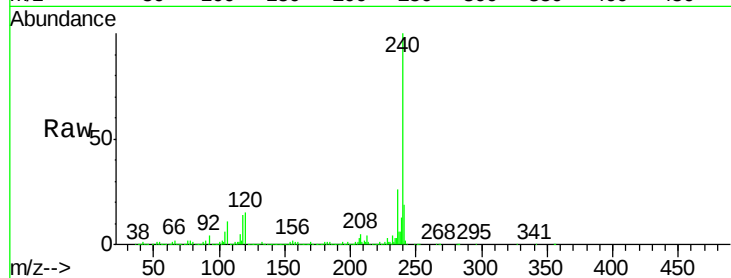
Tot Ion:240 Resp: 2722328

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

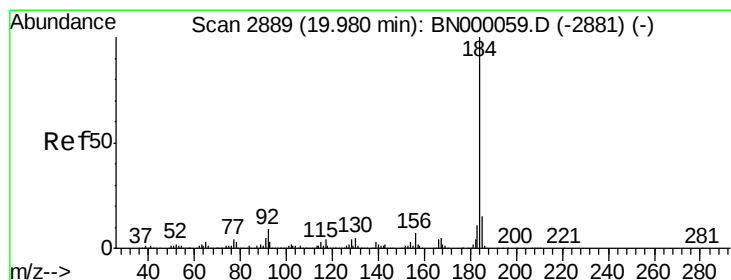
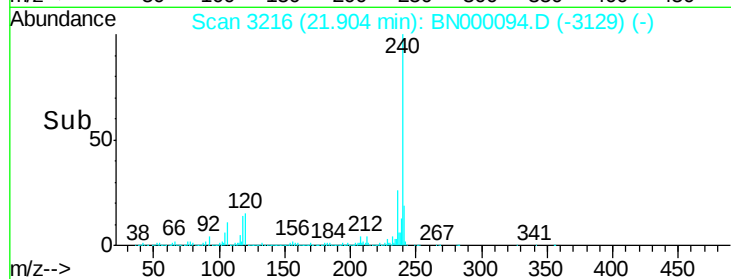
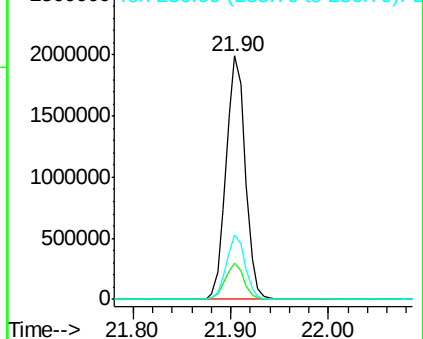
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.539 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

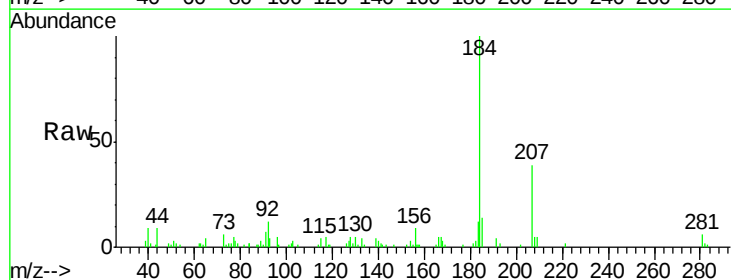
Tgt Ion:184 Resp: 46787

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

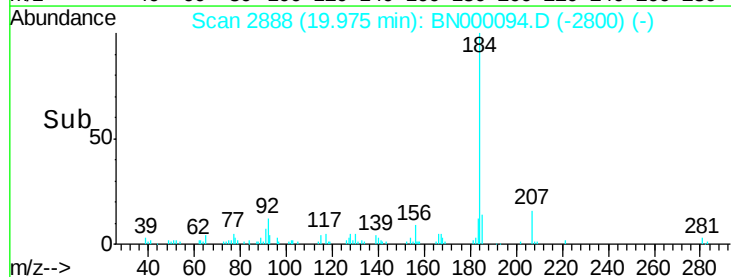
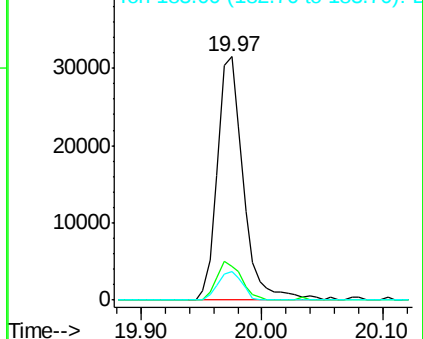
183 11.7 10.6 16.0

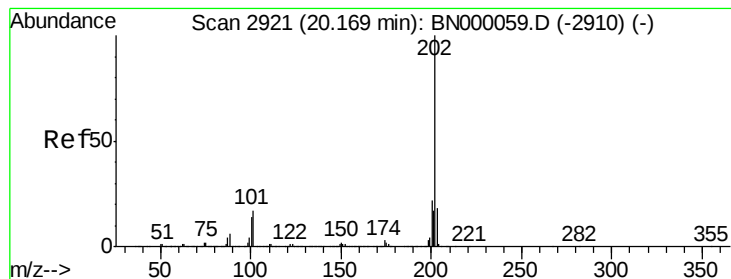


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 1.721 ng

RT: 20.16 min Scan# 2920

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument:

BNA_N

ClientSampleId:

MDL-SOIL-03-QT1-2018

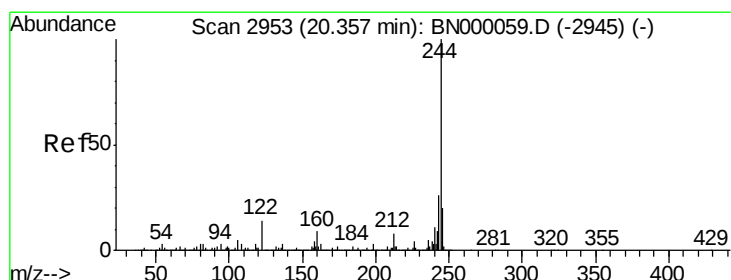
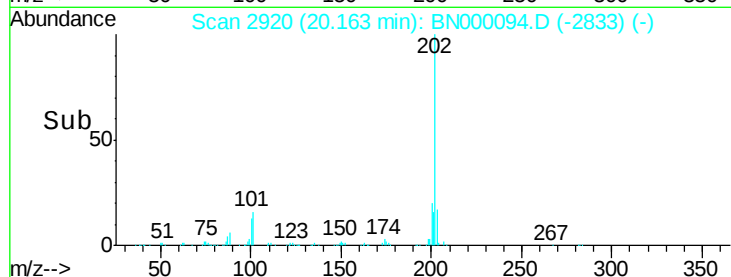
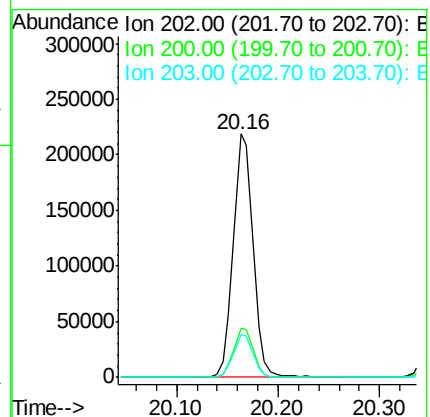
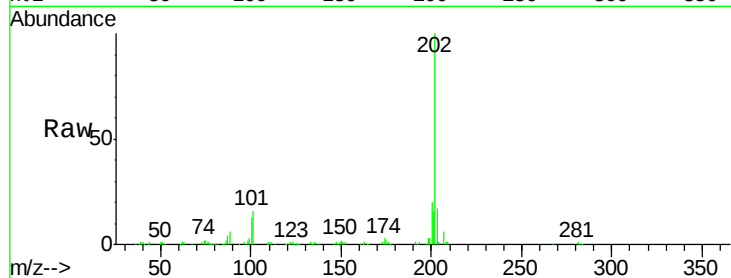
Tot Ion:202 Resp: 297808

Ion Ratio Lower Upper

202 100

200 20.2 16.9 25.3

203 17.3 13.9 20.9



#78

Terphenyl-d14

Concen: 95.990 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

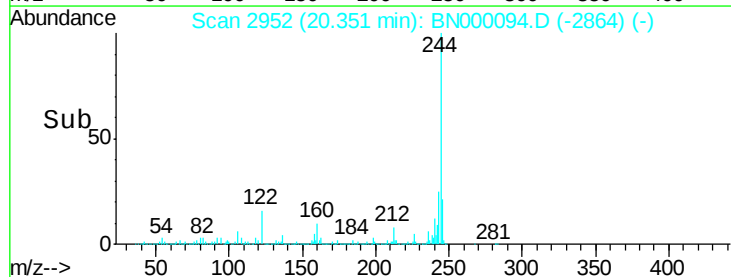
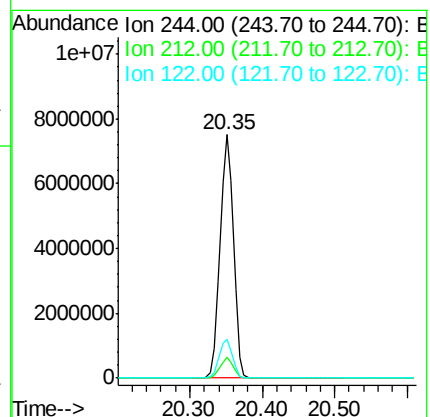
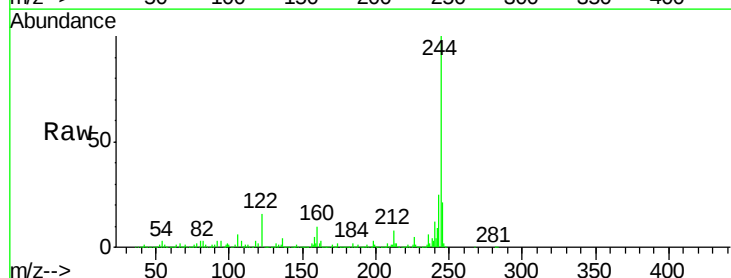
Tgt Ion:244 Resp: 9677826

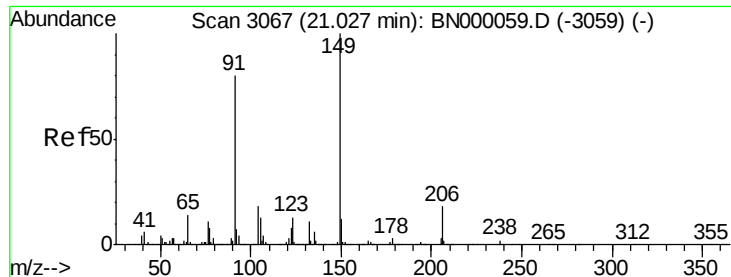
Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

122 16.1 7.0 10.4#

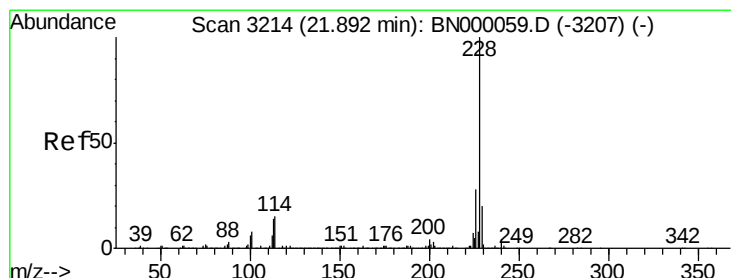
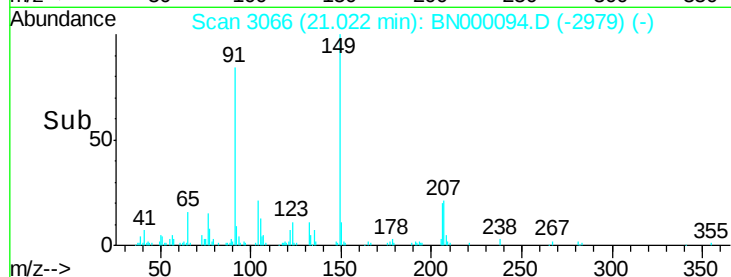
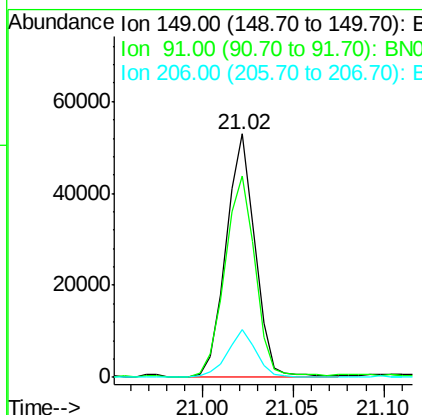
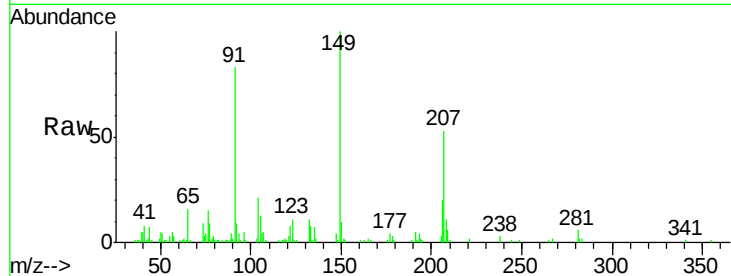




#79
Butylbenzylphthalate
Concen: 6.018 ng
RT: 21.02 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

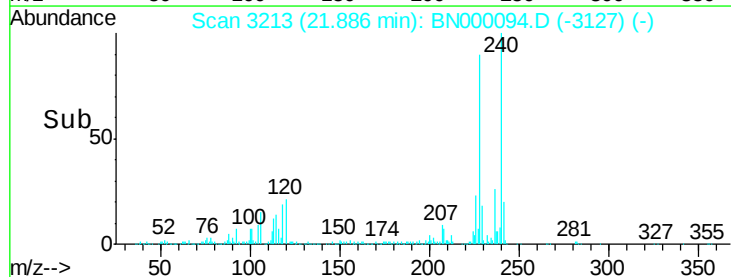
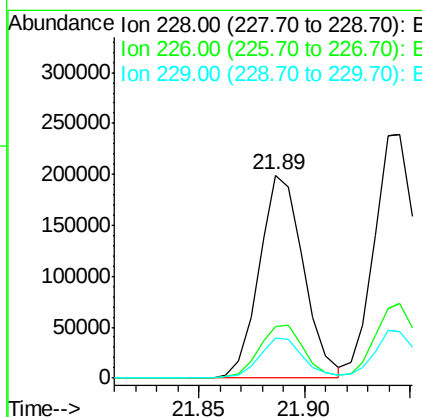
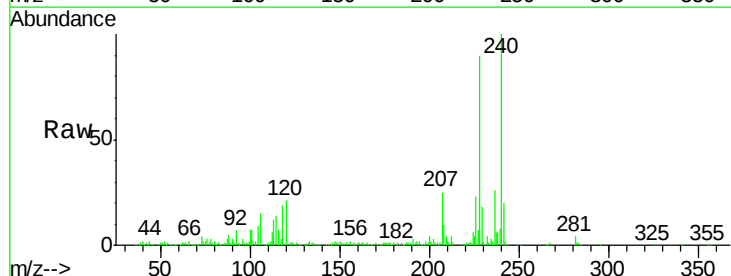
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

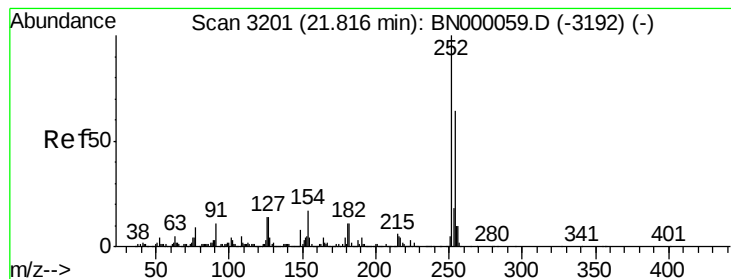
Tot Ion	Ratio	Lower	Upper
149	100		
91	82.9	62.2	93.2
206	19.6	18.6	27.8



#80
Benzo(a)anthracene
Concen: 1.730 ng
RT: 21.89 min Scan# 3213
Delta R.T. -0.02 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.7	34.1
229	19.6	16.2	24.2

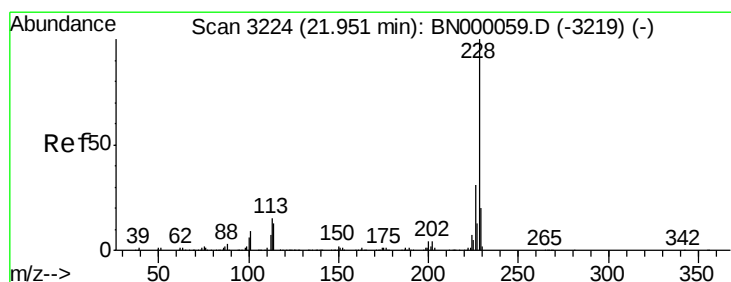
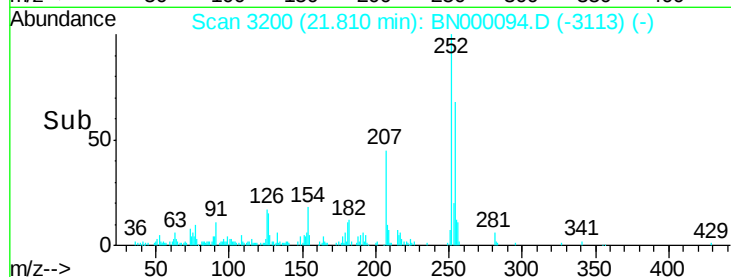
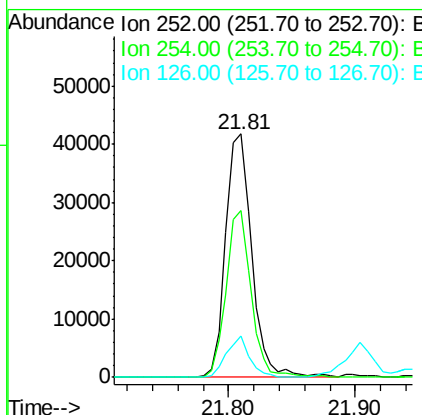
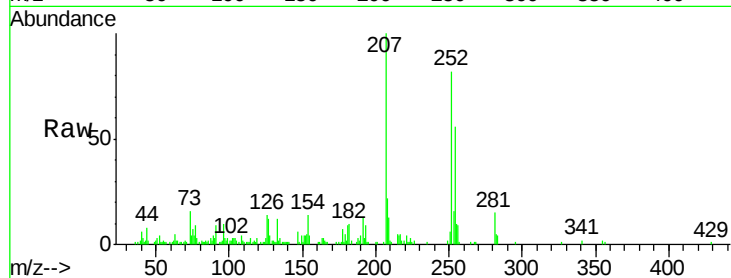




#81
 3,3'-Dichlorobenzidine
 Concen: 0.972 ng
 RT: 21.81 min Scan# 3200
 Delta R.T. -0.02 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

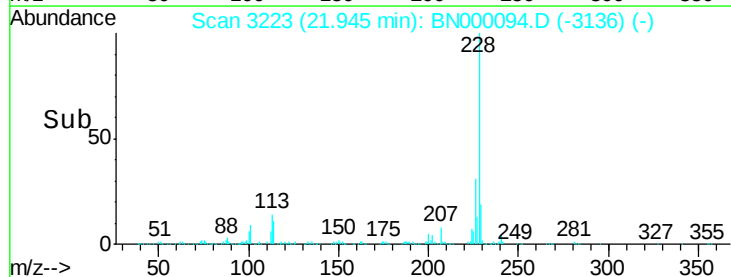
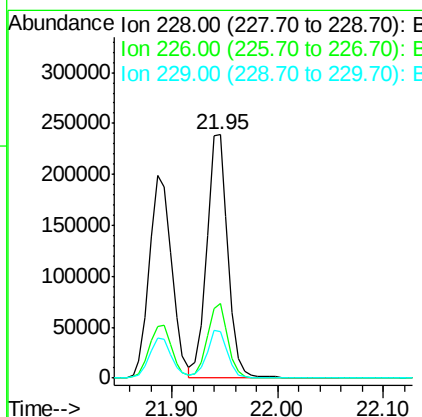
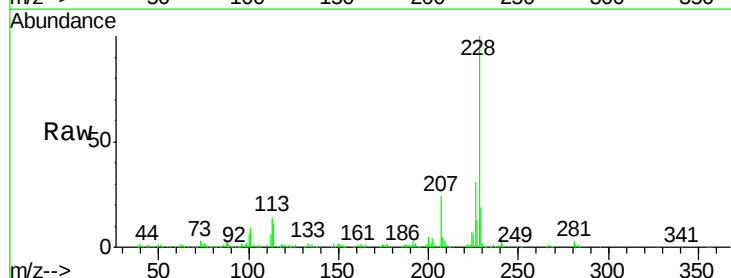
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

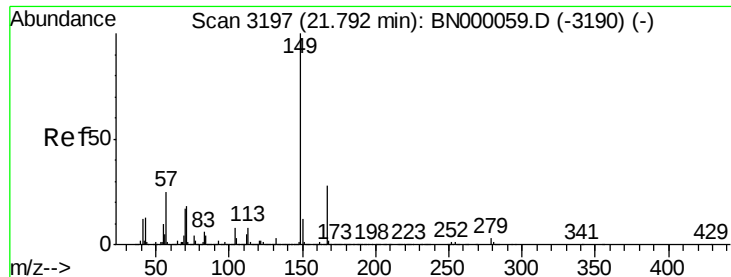
Tot Ion:252 Resp: 59710
 Ion Ratio Lower Upper
 252 100
 254 68.4 50.8 76.2
 126 17.2 7.4 11.2#



#82
 Chrysene
 Concen: 2.009 ng
 RT: 21.95 min Scan# 3223
 Delta R.T. -0.02 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

Tgt Ion:228 Resp: 335041
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.9 37.3
 229 19.0 15.0 22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.593 ng

RT: 21.79 min Scan# 3196

Delta R.T. -0.02 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

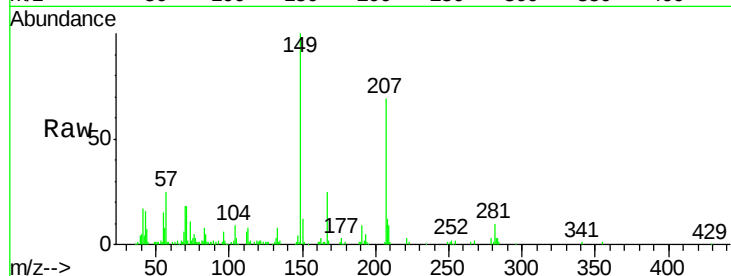
Tot Ion:149 Resp: 89420

Ion Ratio Lower Upper

149 100

167 24.9 24.3 36.5

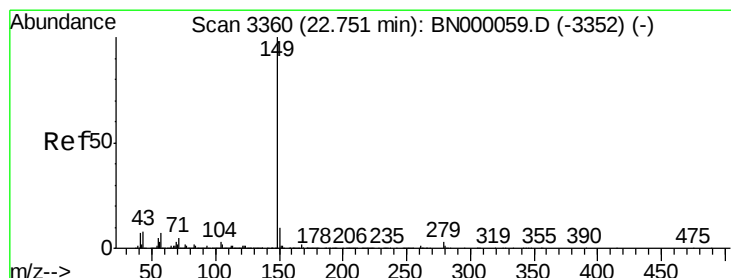
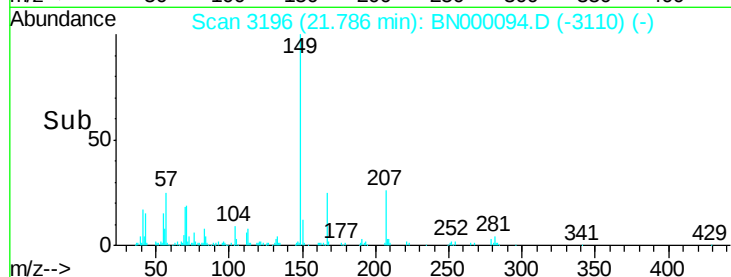
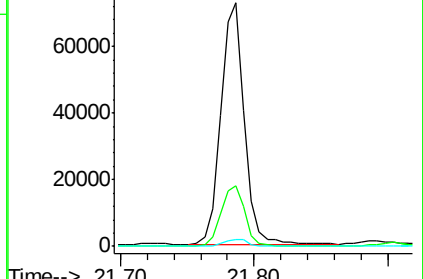
279 3.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 7.169 ng

RT: 22.74 min Scan# 3358

Delta R.T. -0.03 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

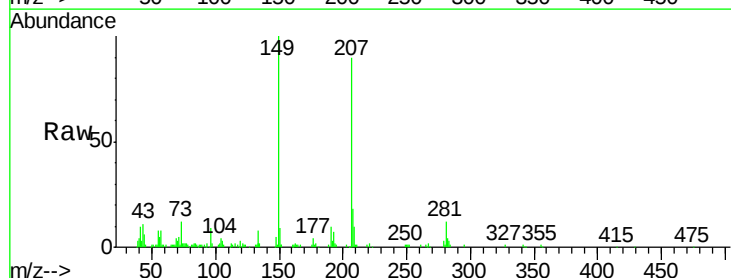
Tgt Ion:149 Resp: 119210

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

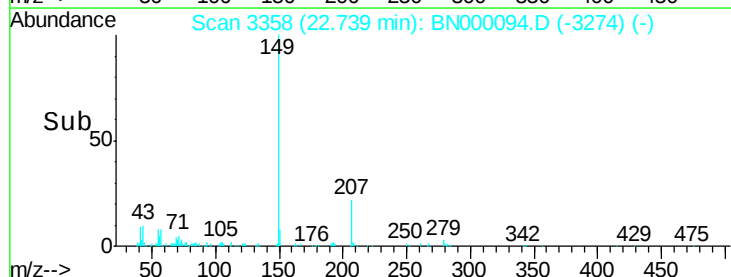
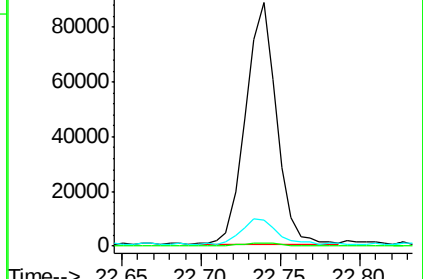
43 12.4 8.9 13.3

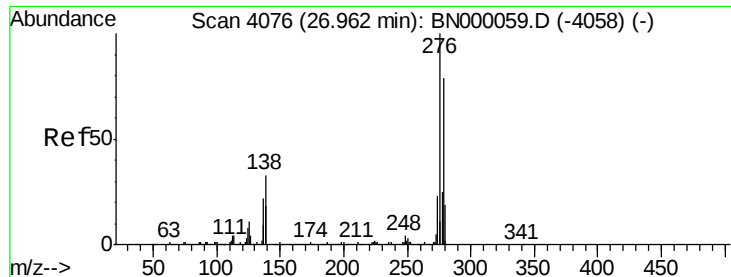


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC

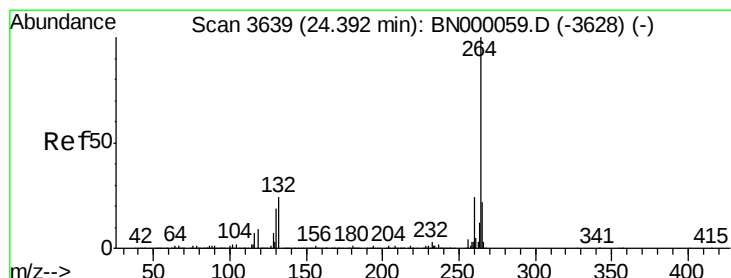
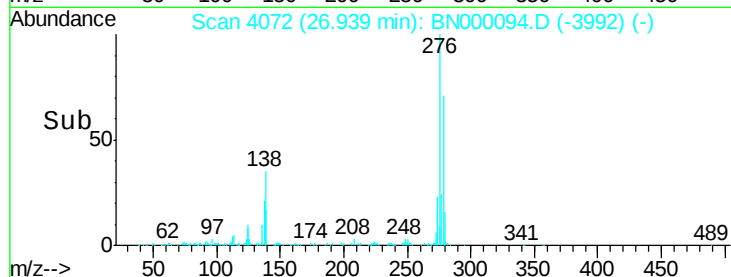
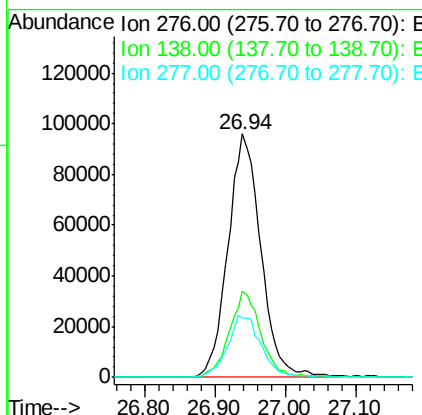
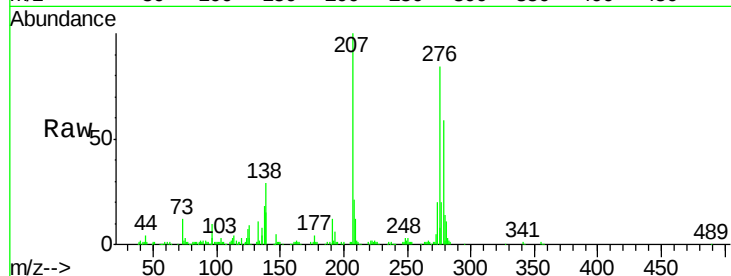




#85
Indeno(1,2,3-cd)pyrene
Concen: 1.512 ng
RT: 26.94 min Scan# 4072
Delta R.T. -0.06 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

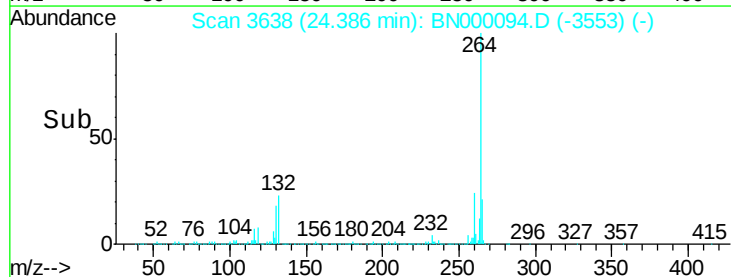
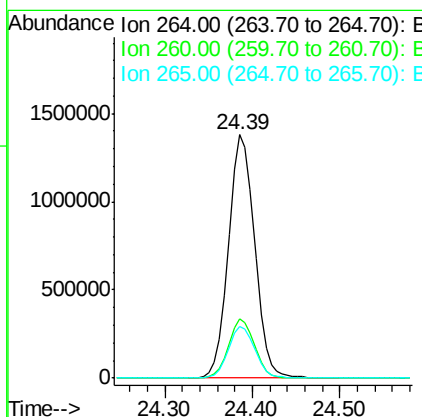
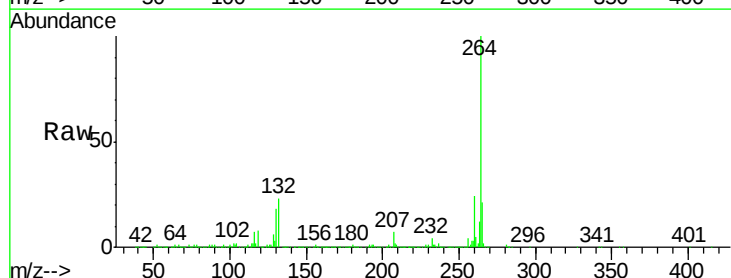
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

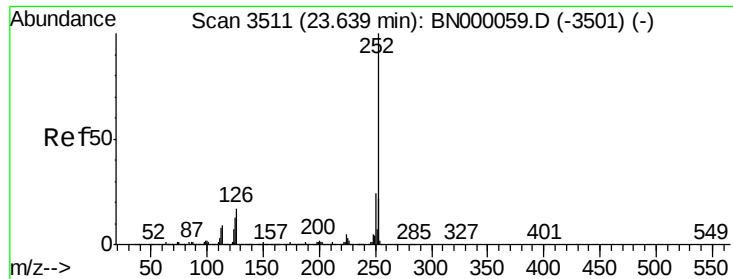
Tot Ion:276 Resp: 309642
Ion Ratio Lower Upper
276 100
138 33.8 16.0 24.0#
277 25.8 20.0 30.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:264 Resp: 2821325
Ion Ratio Lower Upper
264 100
260 24.2 17.4 26.0
265 21.4 17.7 26.5

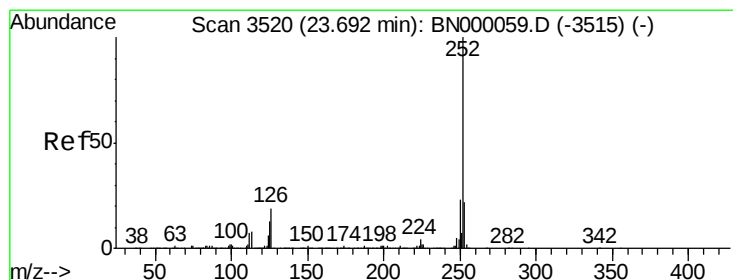
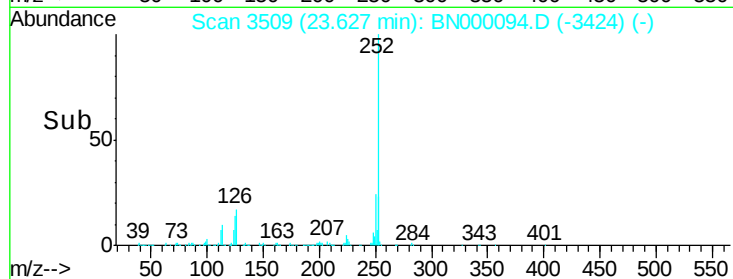
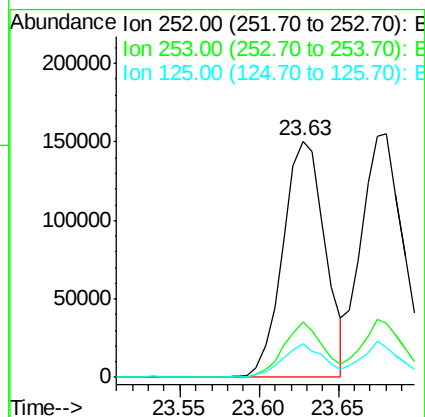
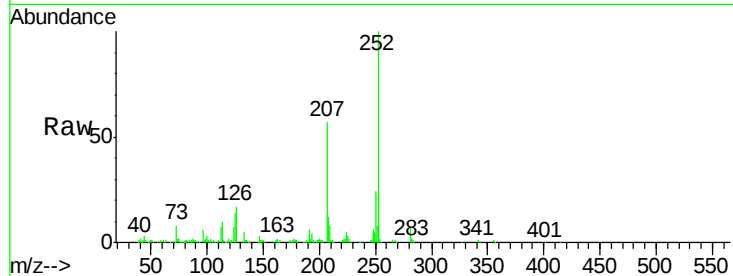




#87
Benzo(b)fluoranthene
Concen: 1.684 ng
RT: 23.63 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

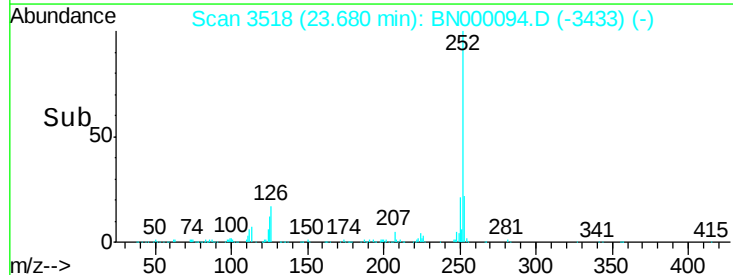
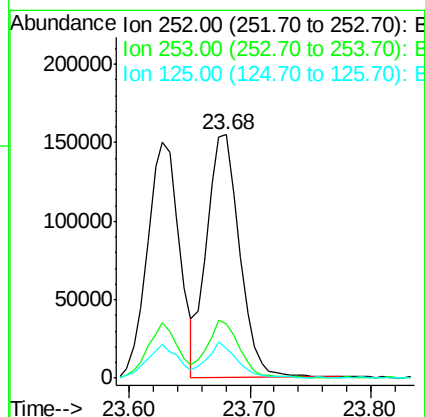
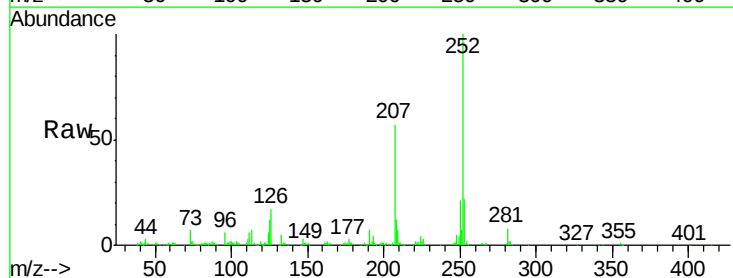
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

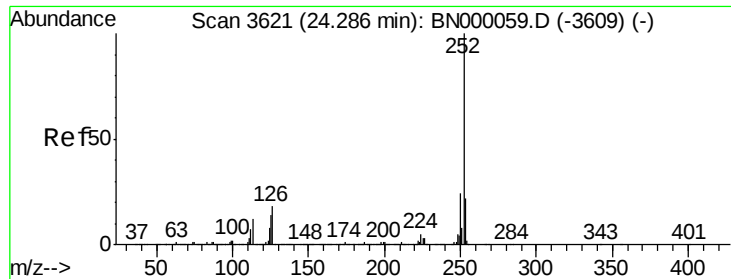
Tot Ion:252 Resp: 278059
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 14.2 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 1.751 ng
RT: 23.68 min Scan# 3518
Delta R.T. -0.03 min
Lab File: BN000094.D
Acq: 15 Feb 2018 13:32

Tgt Ion:252 Resp: 291311
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 12.1 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 1.601 ng

RT: 24.27 min Scan# 3619

Delta R.T. -0.04 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

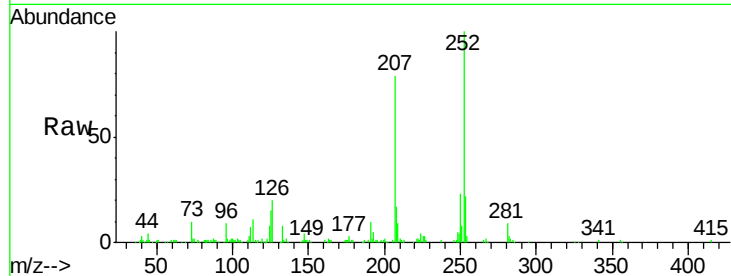
Tot Ion:252 Resp: 253549

Ion Ratio Lower Upper

252 100

253 21.9 18.3 27.5

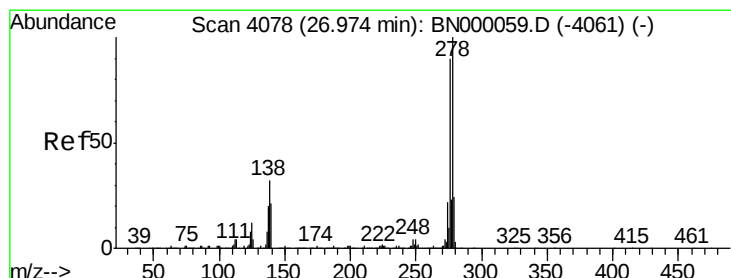
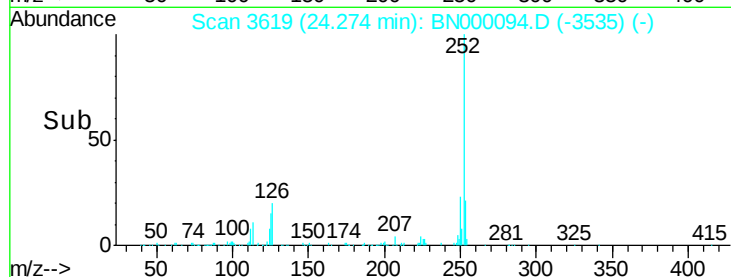
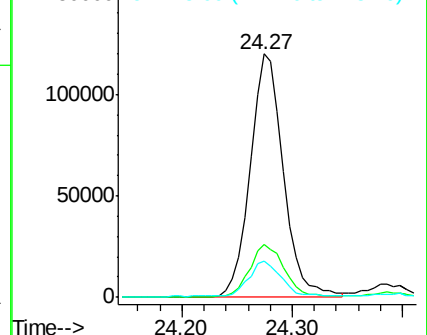
125 14.9 7.3 10.9#



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: 1.571 ng

RT: 26.95 min Scan# 4074

Delta R.T. -0.06 min

Lab File: BN000094.D

Acq: 15 Feb 2018 13:32

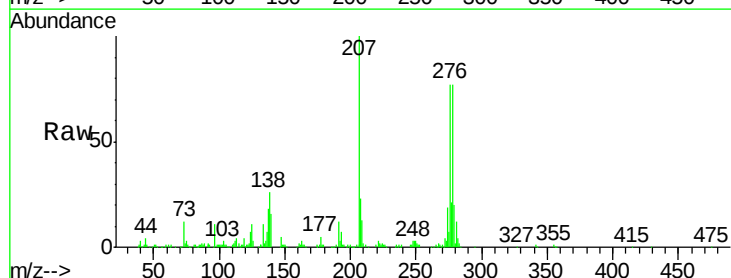
Tgt Ion:278 Resp: 260098

Ion Ratio Lower Upper

278 100

139 20.8 9.8 14.6#

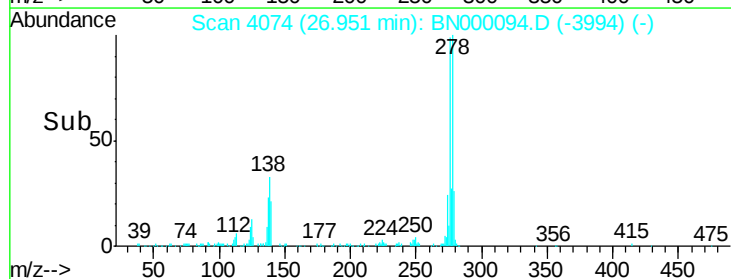
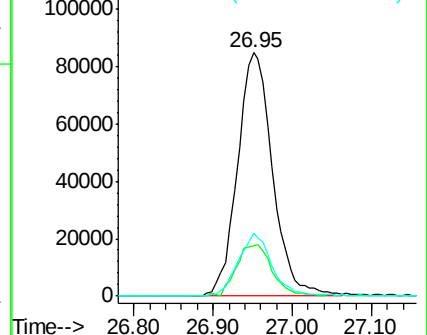
279 25.8 18.4 27.6

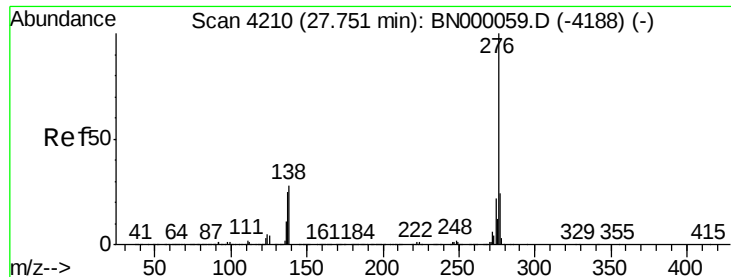


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.557 ng
 RT: 27.72 min Scan# 4205
 Delta R.T. -0.06 min
 Lab File: BN000094.D
 Acq: 15 Feb 2018 13:32

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.3	27.5
138	29.9	13.9	20.9

