

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000095.D
 Acq On : 15 Feb 2018 14:07
 Operator : JU/SJ
 Sample : J1161-03
 Misc : 5 PPM MDL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 16 07:08:46 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	299174	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1529203	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	927091	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2083957	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2350197	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2519895	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.93	112	2447759	133.34	ng	-0.01
7) Phenol-d6	7.58	99	3594290	129.26	ng	-0.01
23) Nitrobenzene-d5	9.64	82	2517774	97.89	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1193465	130.05	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	6522735	99.16	ng	-0.01
78) Terphenyl-d14	20.35	244	8545648	98.18	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	36852	4.989	ng	92
3) Pyridine	4.12	79	86688	3.770	ng	96
4) n-Nitrosodimethylamine	4.01	42	27522	4.233	ng	96
6) Aniline	7.77	93	153857	4.016	ng	# 89
8) 2-Chlorophenol	8.01	128	95701	4.458	ng	91
9) Benzaldehyde	7.58	77	56934	3.291	ng	96
10) Phenol	7.61	94	132050	4.499	ng	87
11) bis(2-Chloroethyl)ether	7.86	93	109102	4.519	ng	84
12) 1,3-Dichlorobenzene	8.35	146	113335	4.646	ng	97
13) 1,4-Dichlorobenzene	8.50	146	113504	4.557	ng	96
14) 1,2-Dichlorobenzene	8.82	146	114231	4.659	ng	94
15) Benzyl Alcohol	8.69	79	71734	3.589	ng	# 81
16) 2,2'-oxybis(1-Chloropropan	8.99	45	114231	4.471	ng	77
17) 2-Methylphenol	8.89	107	79949	3.833	ng	96
18) Hexachloroethane	9.57	117	36608	4.222	ng	# 77
19) n-Nitroso-di-n-propylamine	9.26	70	66673	3.578	ng	# 84
20) 3+4-Methylphenols	9.22	107	108920	3.734	ng	91
22) Acetophenone	9.29	105	173074	4.039	ng	# 84
24) Nitrobenzene	9.68	77	132667	4.718	ng	91
25) Isophorone	10.20	82	181606	3.416	ng	96
26) 2-Nitrophenol	10.40	139	29331	9.357	ng	95
27) 2,4-Dimethylphenol	10.44	122	78485m	3.405	ng	
28) bis(2-Chloroethoxy)methane	10.68	93	139874	4.102	ng	99
29) 2,4-Dichlorophenol	10.93	162	66211	3.104	ng	97
30) 1,2,4-Trichlorobenzene	11.16	180	109069	4.440	ng	98
31) Naphthalene	11.35	128	382705	4.565	ng	98
32) Benzoic acid	10.48	122	23410m	11.610	ng	
33) 4-Chloroaniline	11.45	127	132753	3.605	ng	94
34) Hexachlorobutadiene	11.63	225	56231	4.414	ng	94
35) Caprolactam	12.17	113	19741	5.959	ng	94
36) 4-Chloro-3-methylphenol	12.53	107	80977	2.990	ng	98
37) 2-Methylnaphthalene	12.93	142	252811	4.334	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	120267	4.395	ng	# 95
40) Hexachlorocyclopentadiene	13.26	237	37449	3.283	ng	85

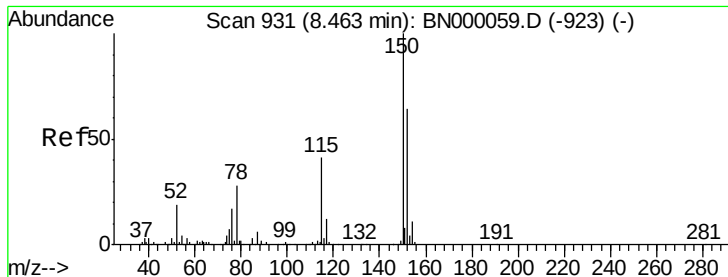
Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.52	196	46011	2.805	ng	95
43) 2,4,5-Trichlorophenol	13.57	196	56385	2.860	ng	# 89
45) 1,1'-Biphenyl	13.91	154	380145	4.656	ng	98
46) 2-Chloronaphthalene	13.96	162	270103	4.409	ng	97
47) 2-Nitroaniline	14.15	65	41458	6.951	ng	92
48) Acenaphthylene	14.80	152	392419	3.976	ng	98
49) Dimethylphthalate	14.50	163	313003	4.039	ng	99
50) 2,6-Dinitrotoluene	14.63	165	43862	2.742	ng	# 90
51) Acenaphthene	15.13	154	282878	4.403	ng	94
52) 3-Nitroaniline	14.96	138	54194	2.787	ng	95
53) 2,4-Dinitrophenol	15.15	184	10917	10.930	ng	# 68
54) Dibenzofuran	15.46	168	419077	4.606	ng	96
55) 4-Nitrophenol	15.23	139	32039	6.862	ng	# 88
56) 2,4-Dinitrotoluene	15.40	165	51653	6.242	ng	# 91
57) Fluorene	16.10	166	332380	4.473	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.67	232	48124	3.093	ng	# 83
59) Diethylphthalate	15.85	149	304842	3.871	ng	95
60) 4-Chlorophenyl-phenylether	16.09	204	157105	4.640	ng	94
61) 4-Nitroaniline	16.10	138	54720	2.738	ng	97
62) Azobenzene	16.38	77	303634	3.873	ng	90
64) 4,6-Dinitro-2-methylphenol	16.16	198	19984	10.365	ng	89
65) n-Nitrosodiphenylamine	16.30	169	268473	3.959	ng	97
66) 4-Bromophenyl-phenylether	16.97	248	83165	4.197	ng	# 85
67) Hexachlorobenzene	17.09	284	100919	4.361	ng	# 86
68) Atrazine	17.22	200	64949	2.943	ng	94
69) Pentachlorophenol	17.43	266	34944	7.864	ng	96
70) Phenanthrene	17.83	178	569134	4.623	ng	100
71) Anthracene	17.92	178	490381	4.114	ng	98
72) Carbazole	18.18	167	496122	4.132	ng	96
73) Di-n-butylphthalate	18.72	149	394625	2.977	ng	# 98
74) Fluoranthene	19.81	202	553731	4.288	ng	96
76) Benzidine	19.97	184	116181	1.551	ng	96
77) Pyrene	20.16	202	624040	4.178	ng	98
79) Butylbenzylphthalate	21.02	149	139634	7.126	ng	# 90
80) Benzo(a)anthracene	21.89	228	622759	4.311	ng	99
81) 3,3'-Dichlorobenzidine	21.81	252	157660	2.971	ng	# 97
82) Chrysene	21.95	228	671733	4.666	ng	98
83) Bis(2-ethylhexyl)phthalate	21.79	149	226216	4.924	ng	# 93
84) Di-n-octyl phthalate	22.74	149	314101	8.073	ng	99
85) Indeno(1,2,3-cd)pyrene	26.94	276	736981	4.168	ng	# 86
87) Benzo(b)fluoranthene	23.63	252	638614	4.330	ng	# 96
88) Benzo(k)fluoranthene	23.68	252	628051	4.228	ng	# 95
89) Benzo(a)pyrene	24.28	252	571790	4.042	ng	# 93
90) Dibenzo(a,h)anthracene	26.95	278	619966	4.191	ng	# 92
91) Benzo(g,h,i)perylene	27.72	276	610520	4.082	ng	# 87

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

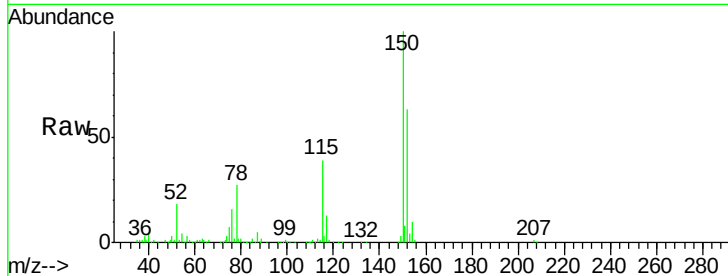


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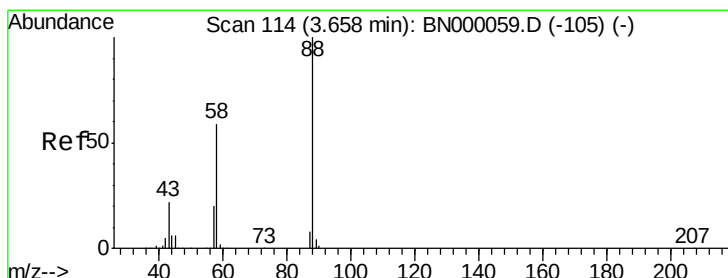
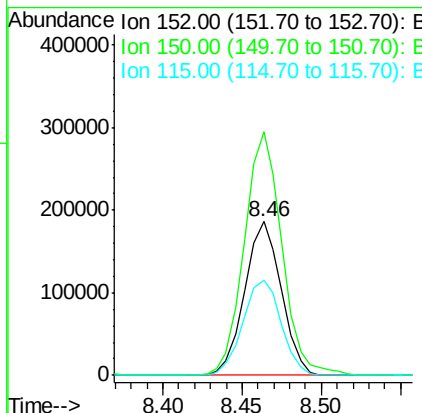
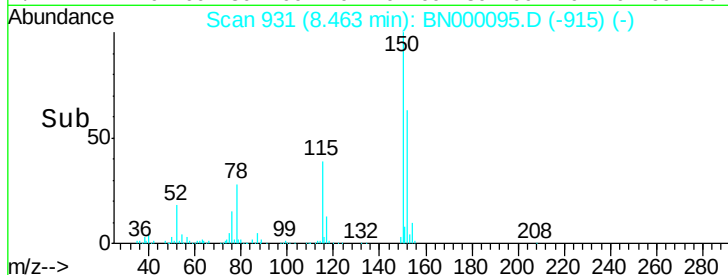
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion	152	Resp	299174
Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.6	189.8
115	62.2	53.0	79.4



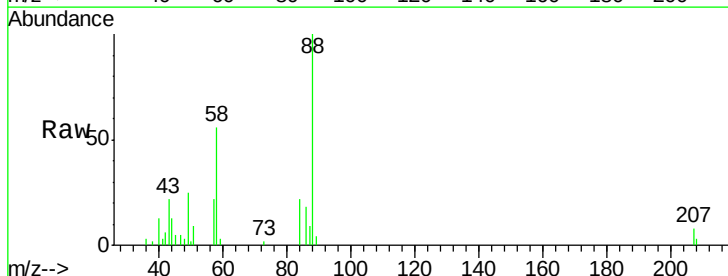
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



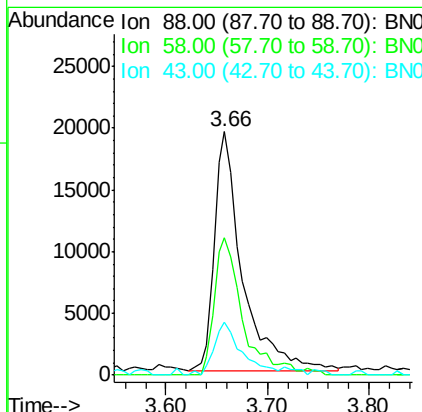
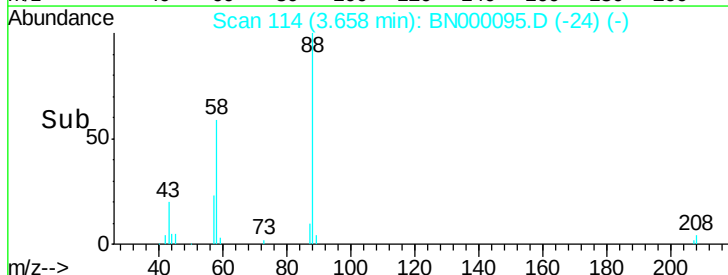
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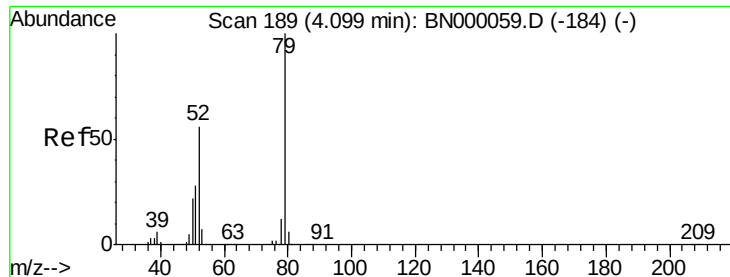
1,4-Dioxane
Concen: 4.989 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	88	Resp	36852
Ion	Ratio	Lower	Upper
88	100		
58	58.2	52.0	78.0
43	22.2	20.0	30.0



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





#3

Pvridine

Concen: 3.770 ng

RT: 4.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

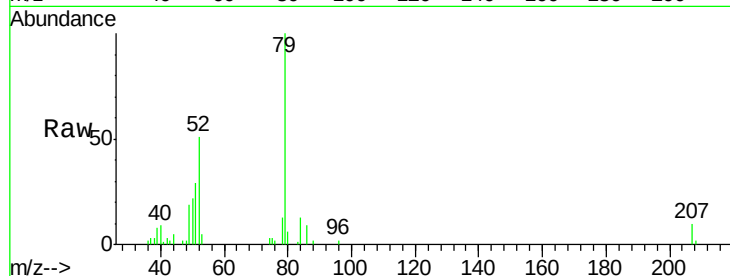
Tot Ion: 79 Resp: 86688

Ion Ratio Lower Upper

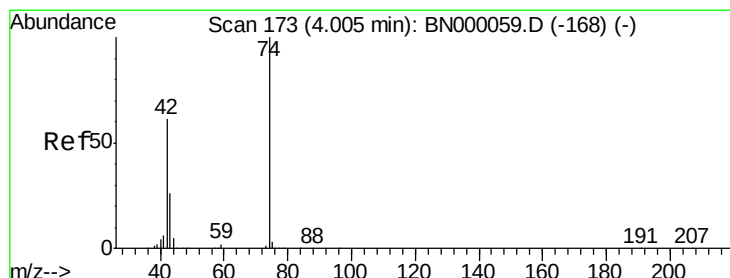
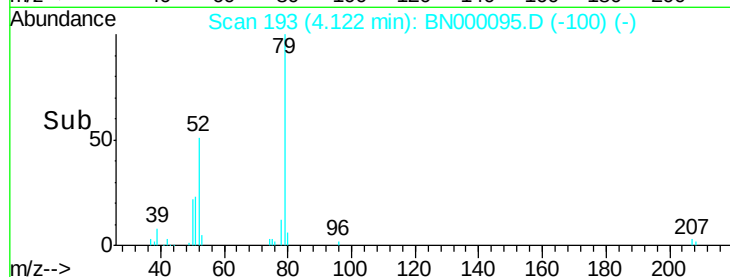
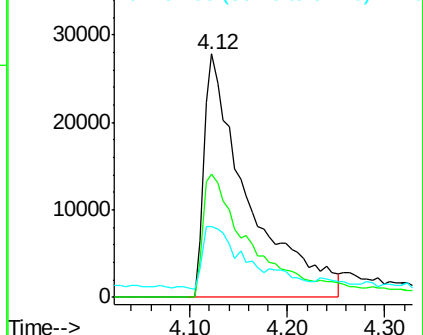
79 100

52 50.7 44.0 66.0

51 29.3 24.0 36.0



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



#4

n-Nitrosodimethylamine

Concen: 4.233 ng

RT: 4.01 min Scan# 174

Delta R.T. 0.00 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

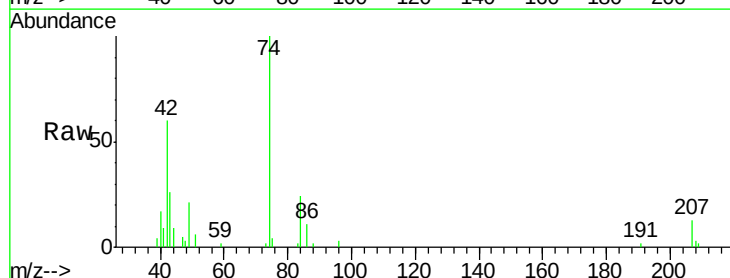
Tgt Ion: 42 Resp: 27522

Ion Ratio Lower Upper

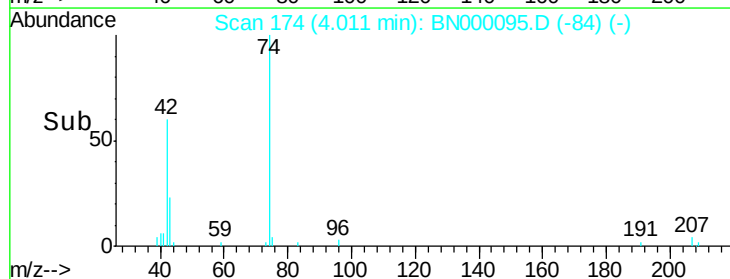
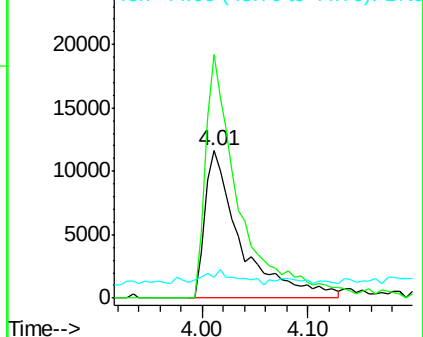
42 100

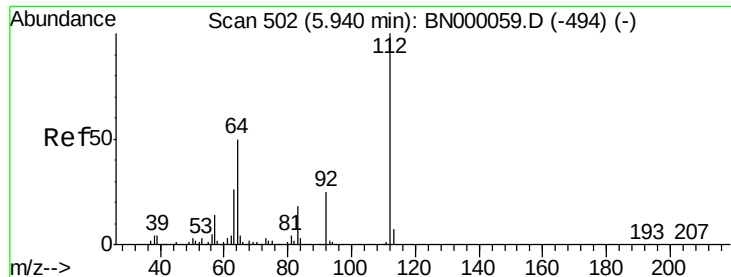
74 165.4 128.0 192.0

44 14.1 12.0 18.0



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





#5

2-Fluorophenol

Concen: 133.343 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

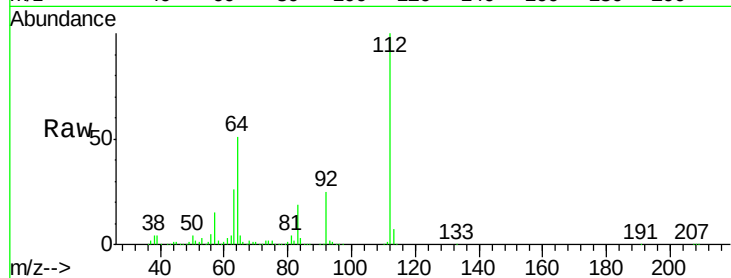
Tot Ion:112 Resp: 2447759

Ion Ratio Lower Upper

112 100

64 50.8 56.3 84.5#

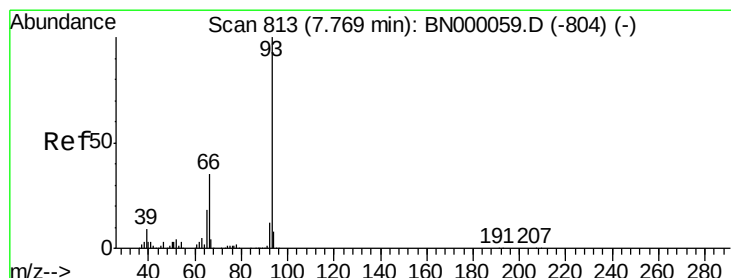
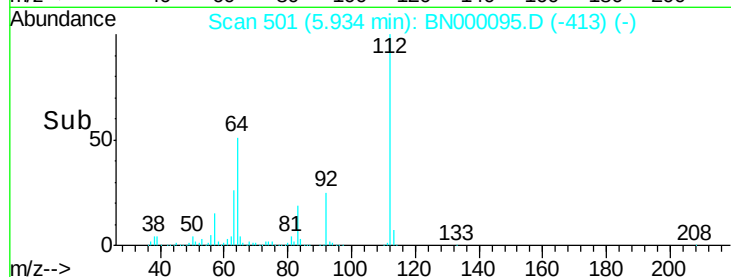
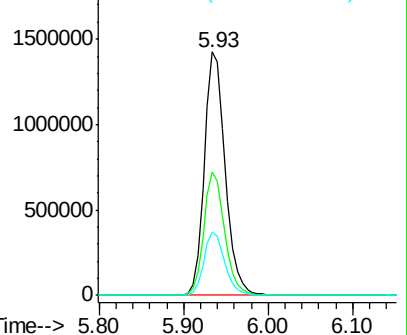
63 26.2 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 4.016 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

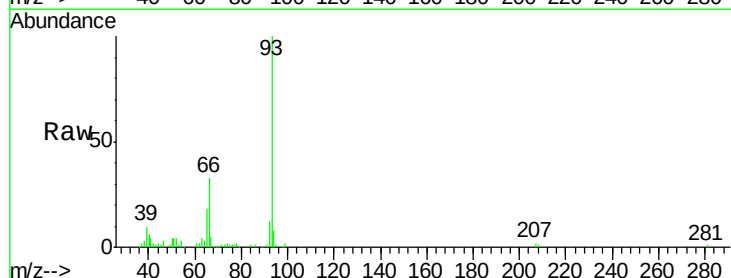
Tgt Ion: 93 Resp: 153857

Ion Ratio Lower Upper

93 100

66 33.3 33.7 50.5#

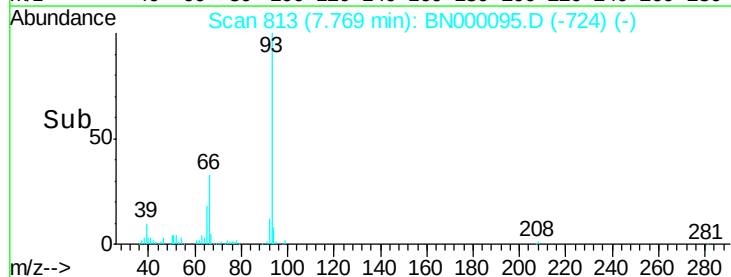
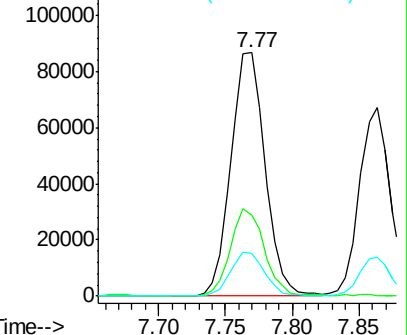
65 17.5 16.1 24.1

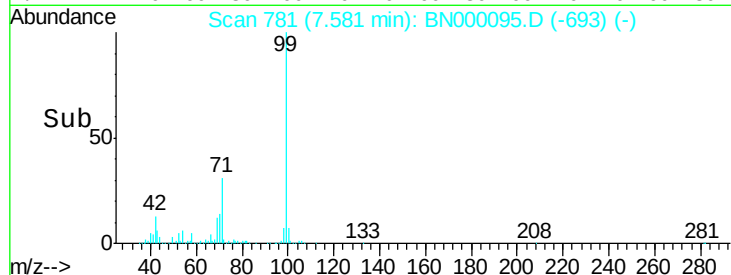
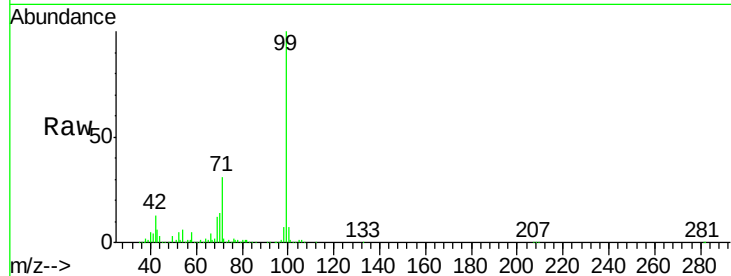
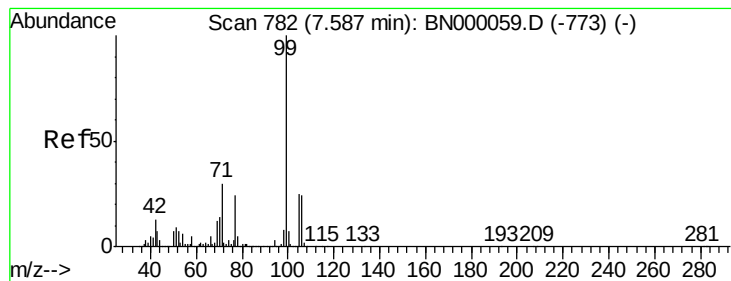


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 129.262 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

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ClientSampleId :

MDL-SOIL-03-QT1-2018

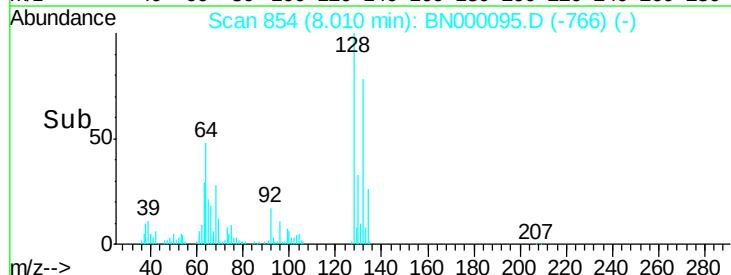
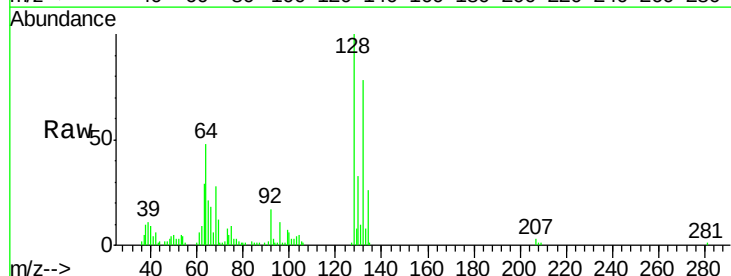
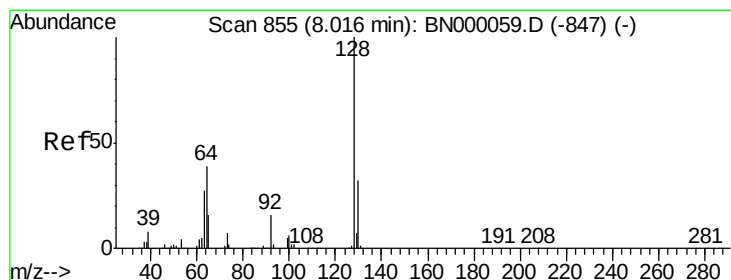
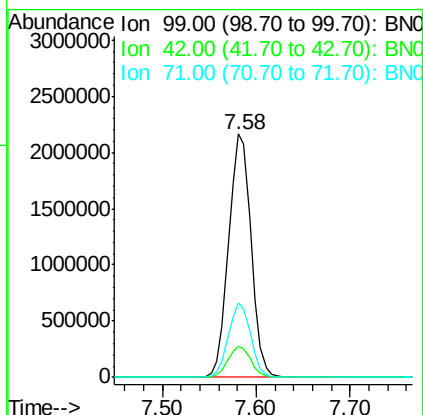
Tot Ion: 99 Resp: 3594290

Ion Ratio Lower Upper

99 100

42 12.9 14.1 21.1#

71 30.5 26.1 39.1



#8

2-Chlorophenol

Concen: 4.458 ng

RT: 8.01 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

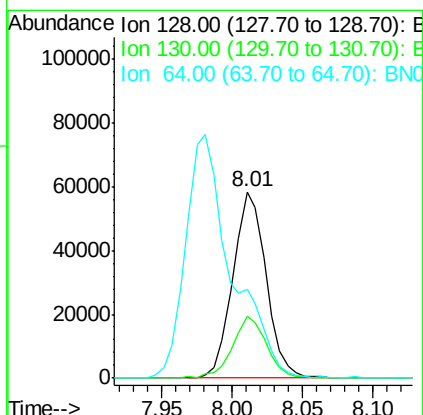
Tgt Ion: 128 Resp: 95701

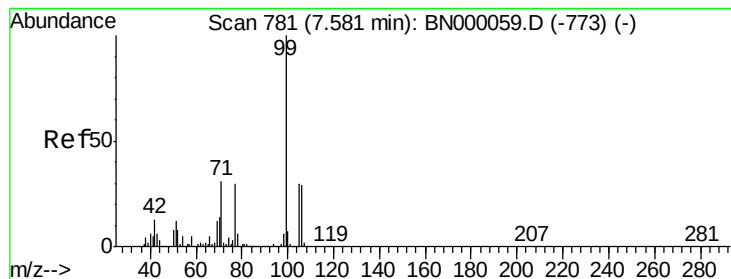
Ion Ratio Lower Upper

128 100

130 33.1 14.0 54.0

64 48.0 37.7 77.7





#9

Benzaldehyde

Concen: 3.291 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

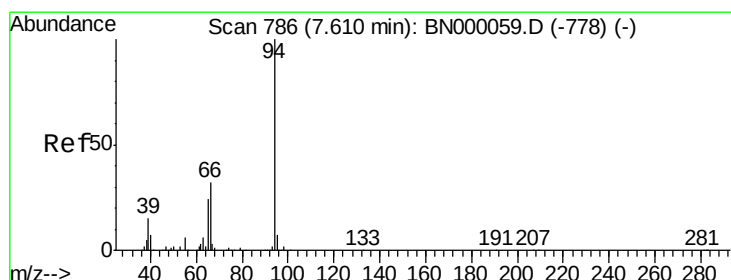
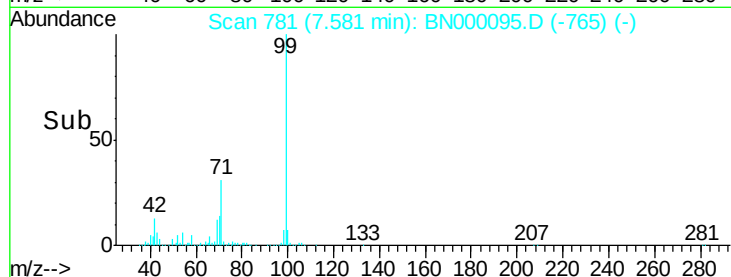
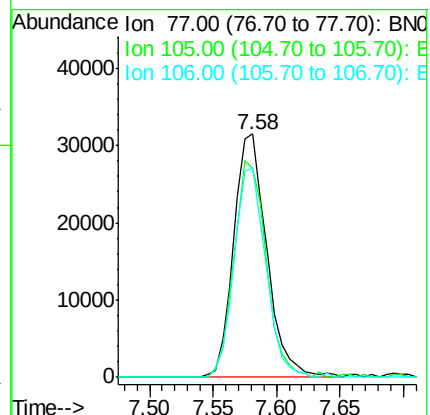
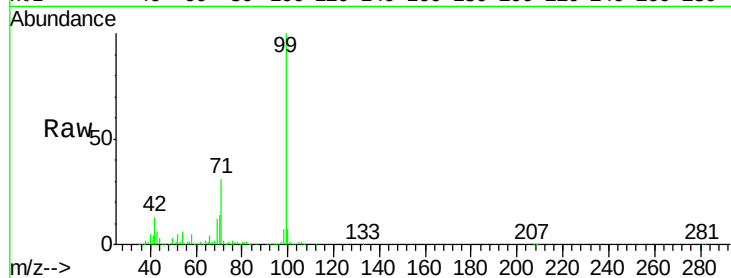
Tot Ion: 77 Resp: 56934

Ion Ratio Lower Upper

77 100

105 86.1 71.3 111.3

106 85.6 64.2 104.2



#10

Phenol

Concen: 4.499 ng

RT: 7.61 min Scan# 786

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

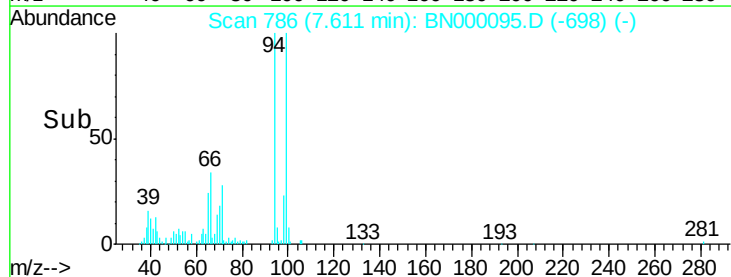
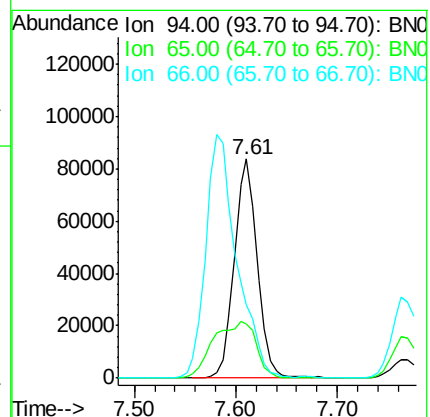
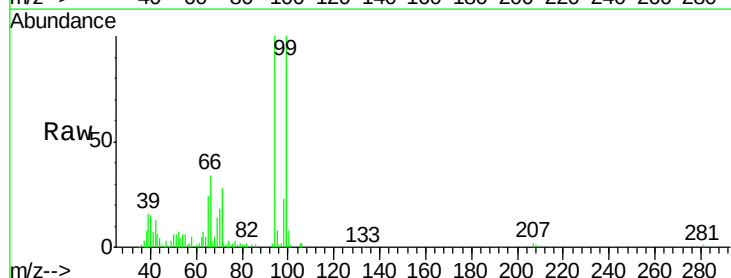
Tgt Ion: 94 Resp: 132050

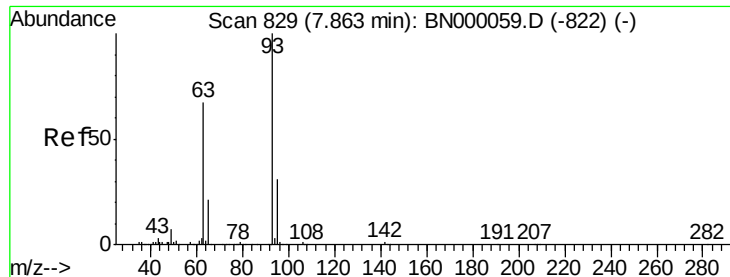
Ion Ratio Lower Upper

94 100

65 24.5 11.9 51.9

66 33.7 22.2 62.2

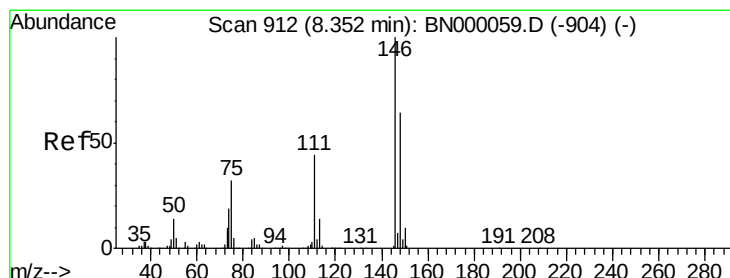
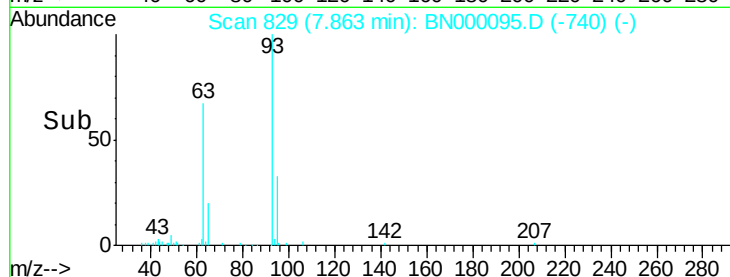
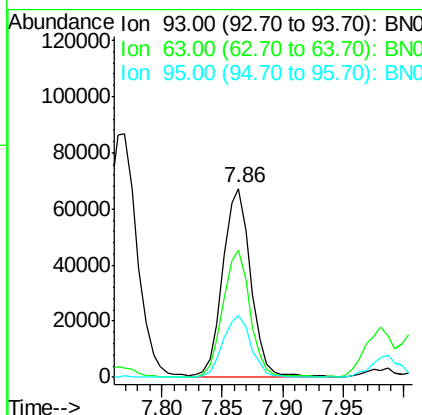
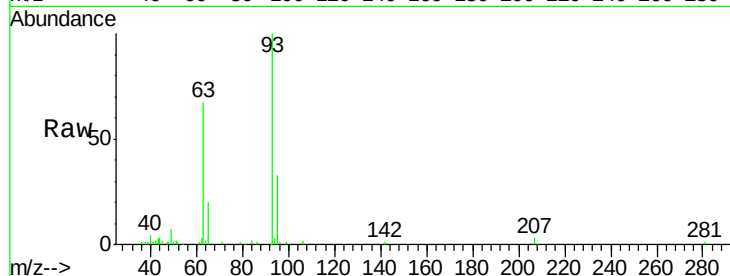




#11
bis(2-Chloroethyl)ether
Concen: 4.519 ng
RT: 7.86 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

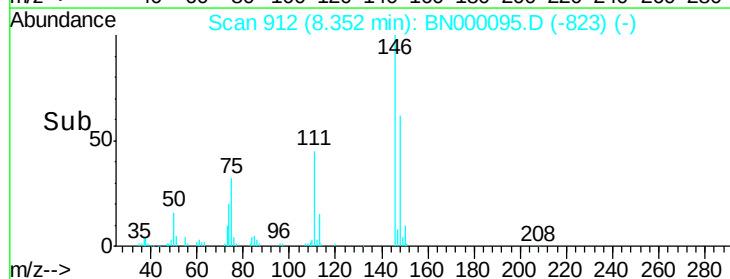
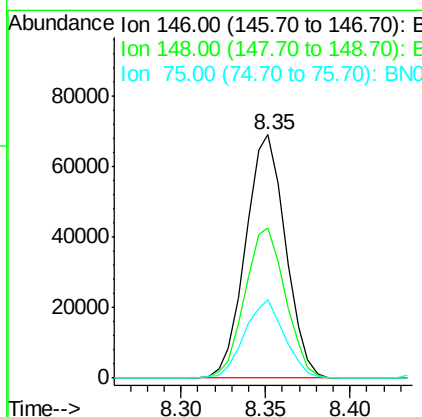
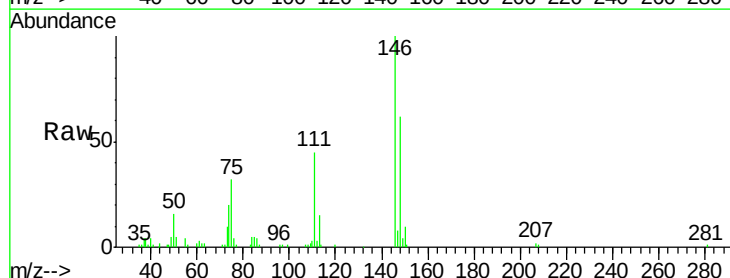
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

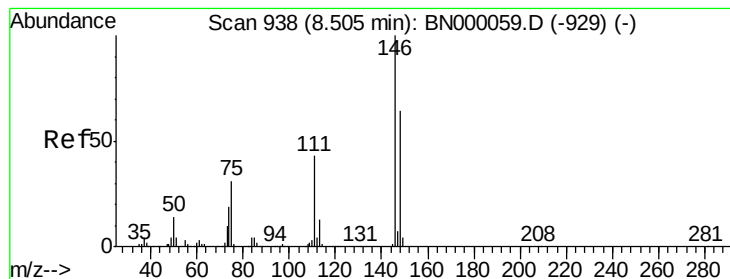
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.5	67.1	107.1
95	33.0	11.5	51.5



#12
1,3-Dichlorobenzene
Concen: 4.646 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.5	51.4	77.2
75	32.1	26.6	39.8





#13

1,4-Dichlorobenzene

Concen: 4.557 ng

RT: 8.50 min Scan# 937

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

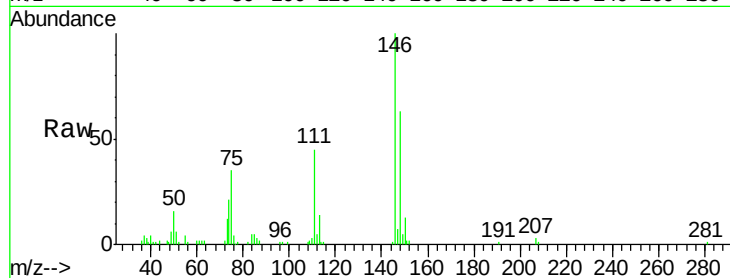
Tot Ion:146 Resp: 113504

Ion Ratio Lower Upper

146 100

148 62.6 53.7 80.5

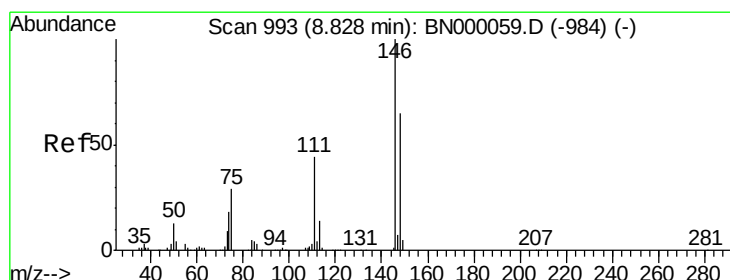
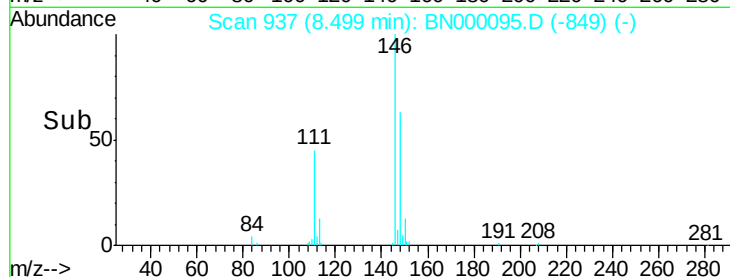
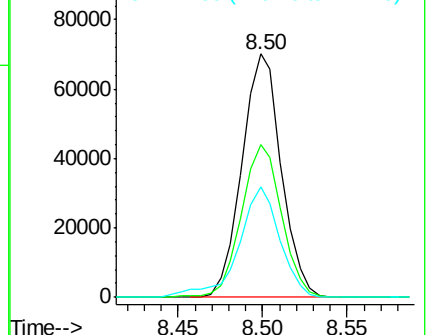
111 45.4 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 4.659 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

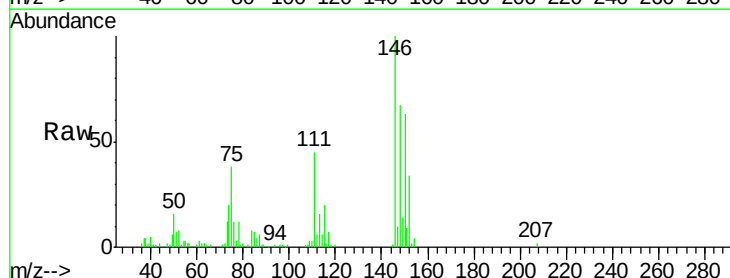
Tgt Ion:146 Resp: 114231

Ion Ratio Lower Upper

146 100

148 67.2 49.3 73.9

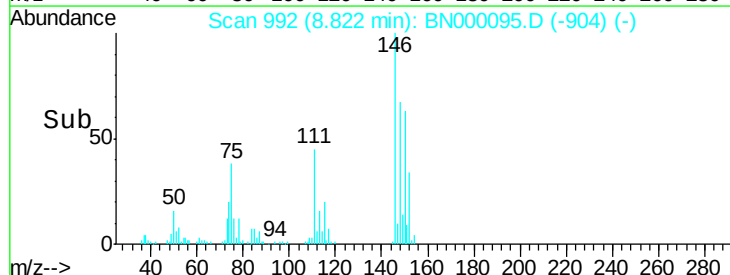
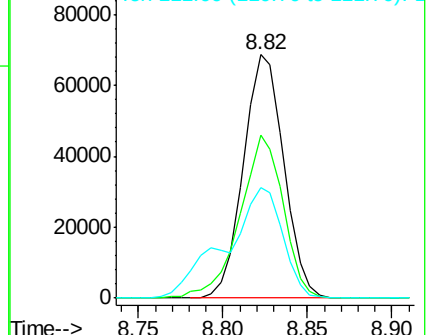
111 45.2 34.3 51.5

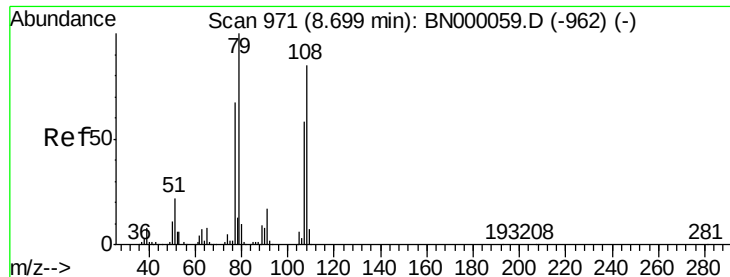


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.589 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

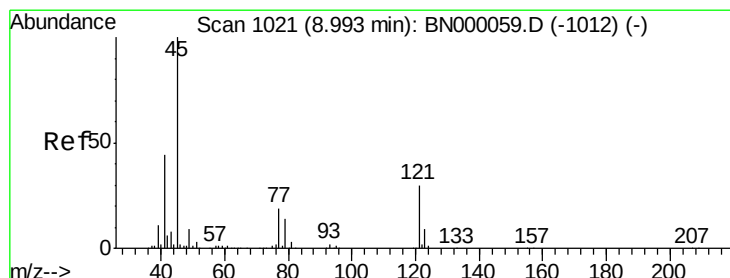
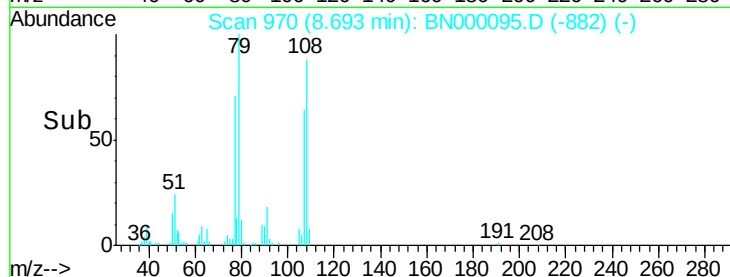
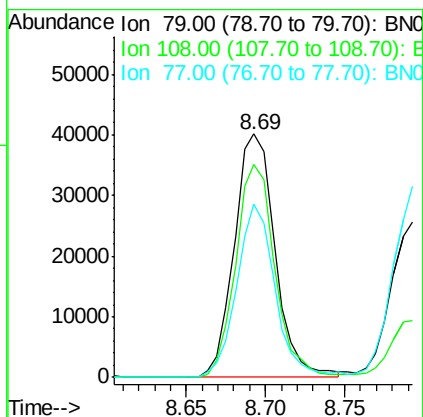
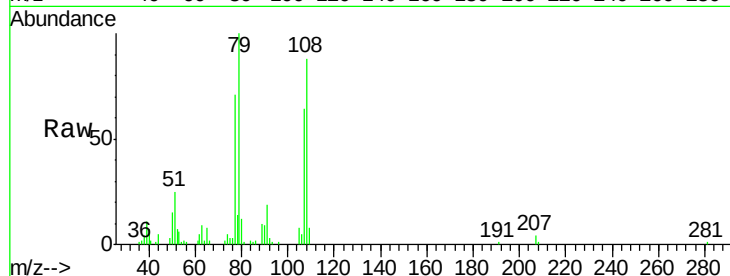
Tot Ion: 79 Resp: 71734

Ion Ratio Lower Upper

79 100

108 87.6 57.2 85.8#

77 71.0 46.1 69.1#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.471 ng

RT: 8.99 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

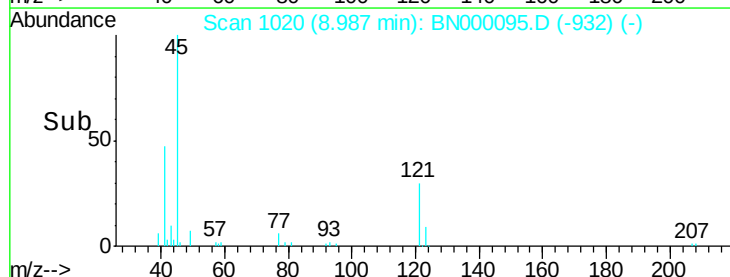
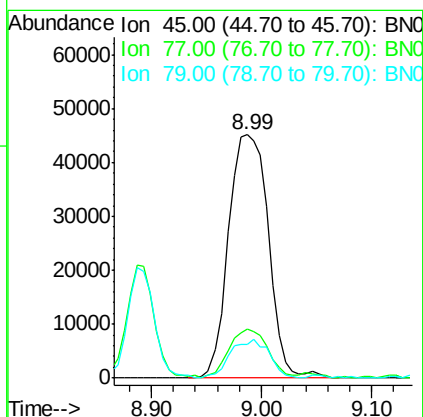
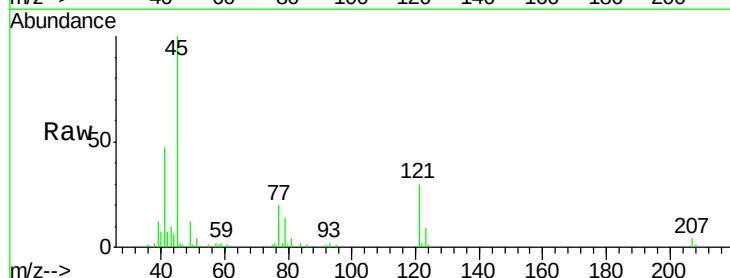
Tgt Ion: 45 Resp: 114231

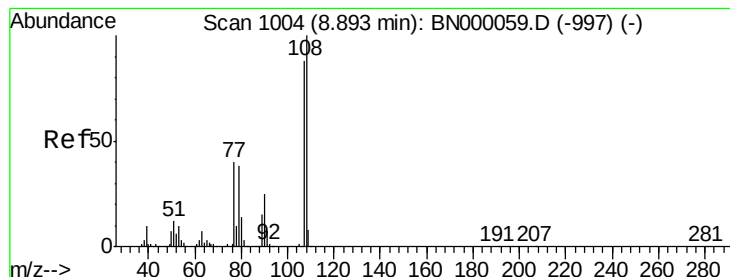
Ion Ratio Lower Upper

45 100

77 20.3 0.0 30.2

79 13.9 0.0 27.9





#17

2-Methylphenol

Concen: 3.833 ng

RT: 8.89 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:107 Resp: 79949

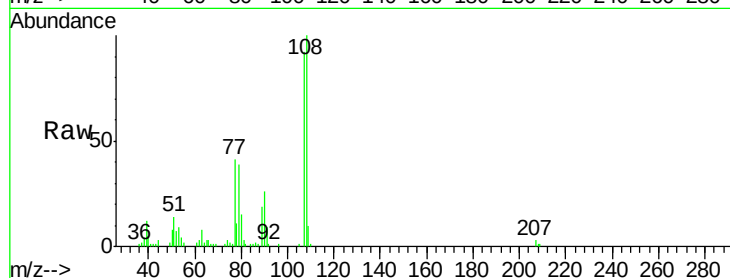
Ion Ratio Lower Upper

107 100

108 108.5 83.9 125.9

77 44.2 37.2 55.8

79 42.8 36.2 54.2

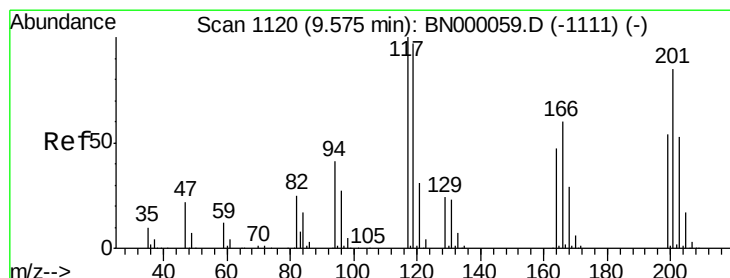
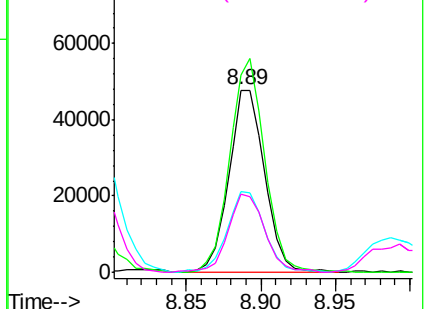
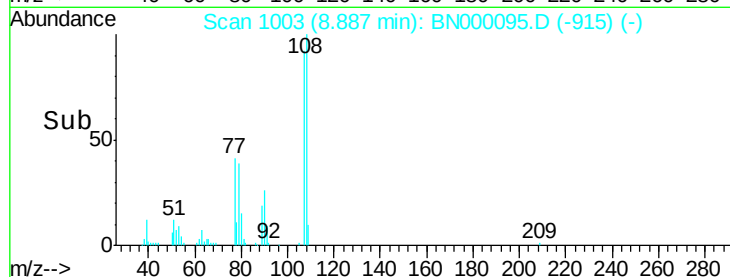


Abundance Ion 107.00 (106.70 to 107.70): E

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: 4.222 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

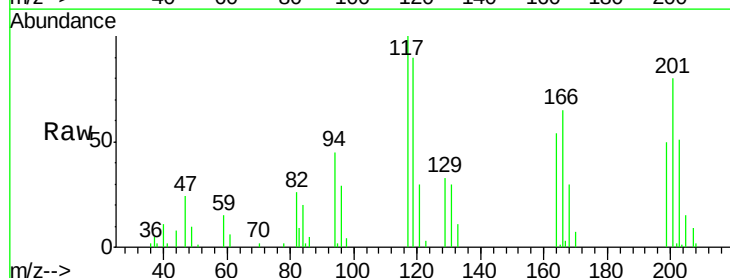
Tgt Ion:117 Resp: 36608

Ion Ratio Lower Upper

117 100

119 89.8 76.7 115.1

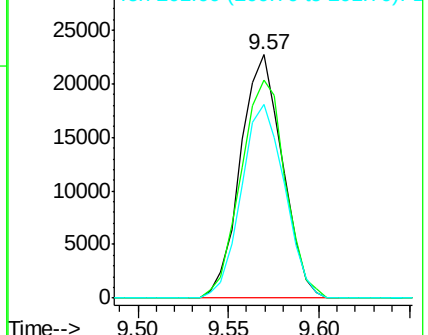
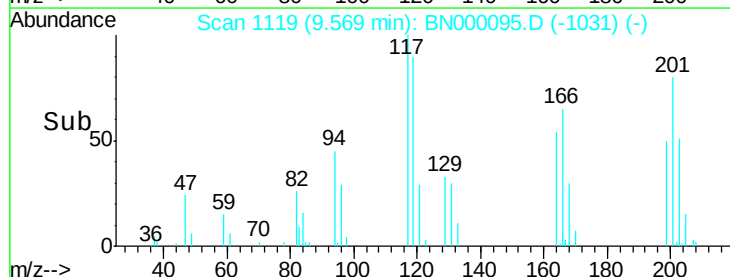
201 79.8 95.7 143.5#

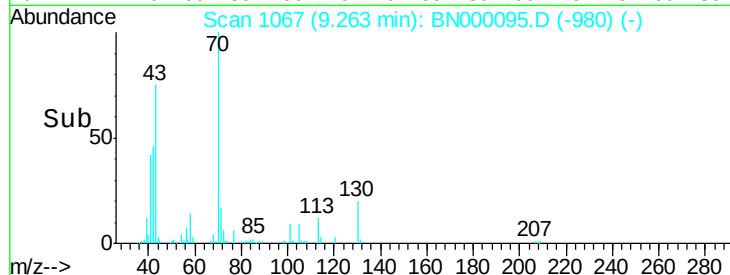
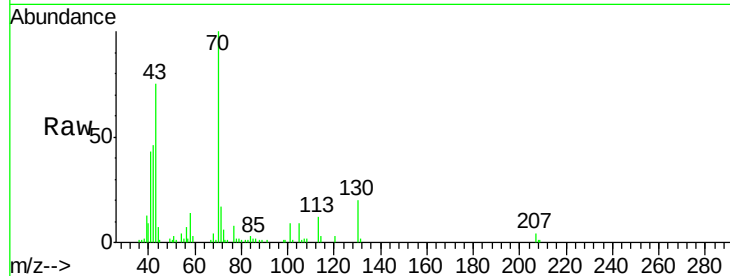
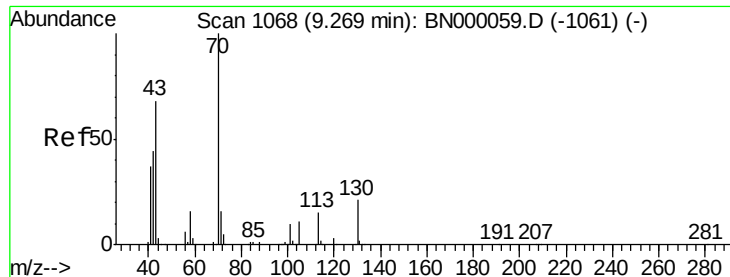


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

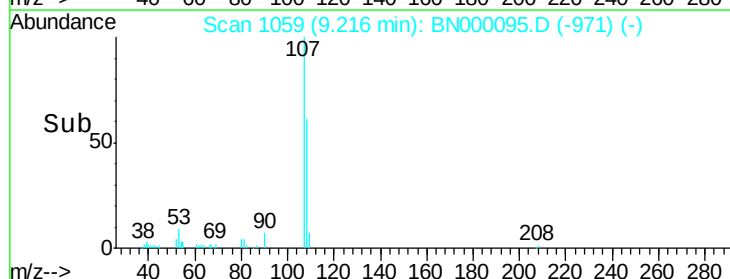
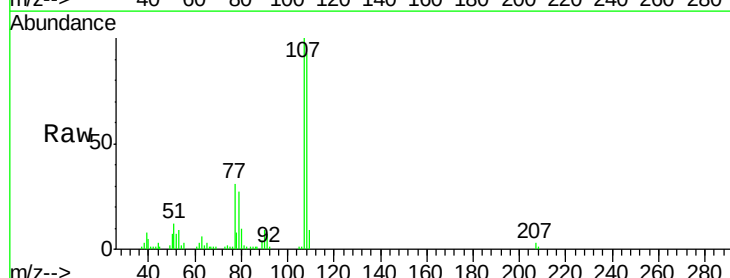
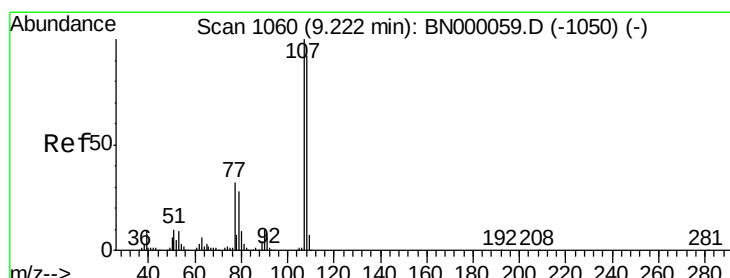
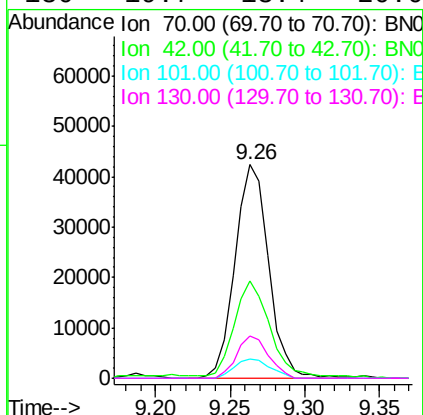




#19
n-Nitroso-di-n-propylamine
Concen: 3.578 ng
RT: 9.26 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

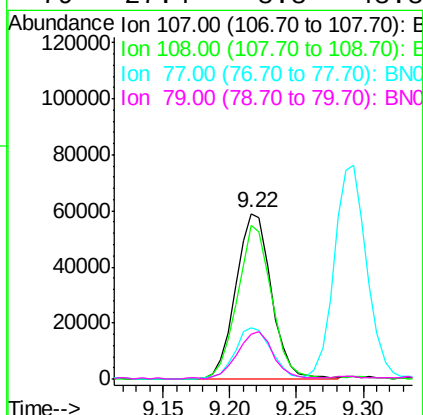
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

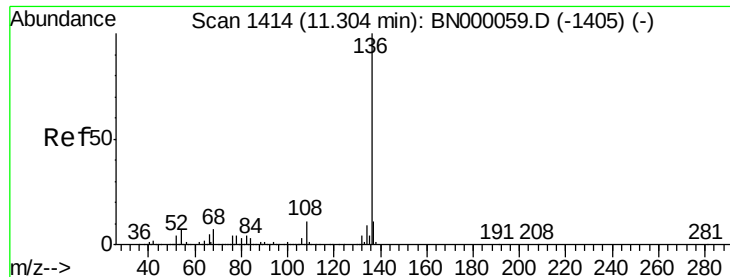
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	45.8	49.1	73.7#	
101	9.0	8.5	12.7	
130	19.7	13.4	20.0	



#20
3+4-Methylphenols
Concen: 3.734 ng
RT: 9.22 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.1	61.6	101.6	
77	31.2	13.9	53.9	
79	27.4	8.8	48.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:136 Resp: 1529203

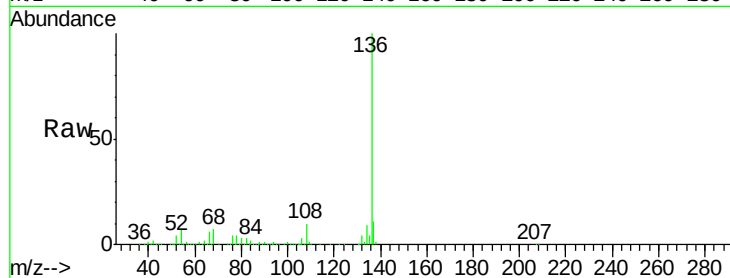
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 6.6 10.3 15.5#

68 6.6 4.5 6.7

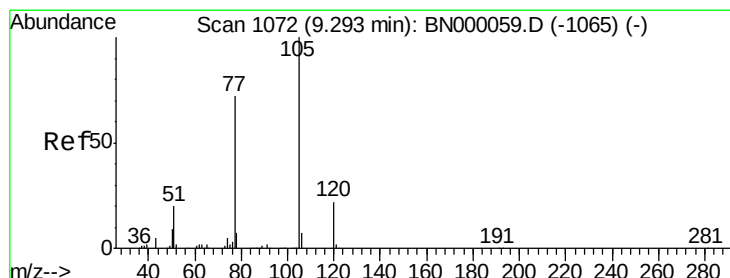
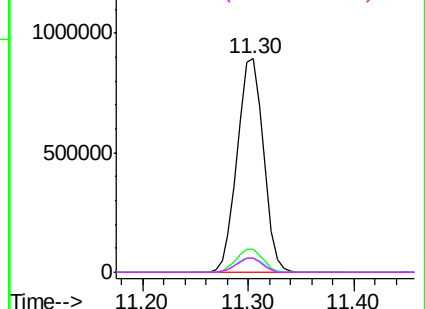
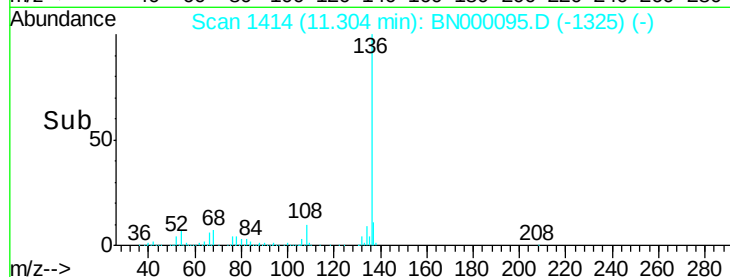


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.039 ng

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Tgt Ion:105 Resp: 173074

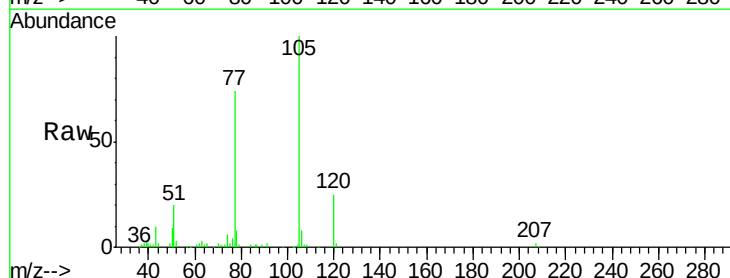
Ion Ratio Lower Upper

105 100

71 0.5 3.0 4.4#

51 19.7 26.1 39.1#

120 24.8 17.4 26.2

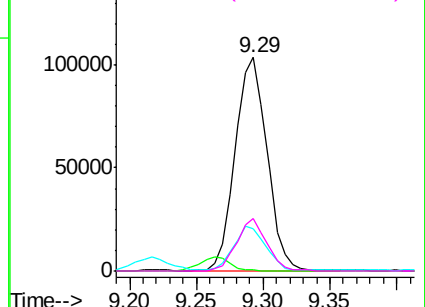
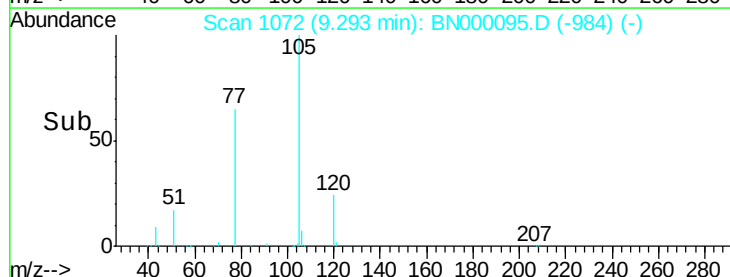


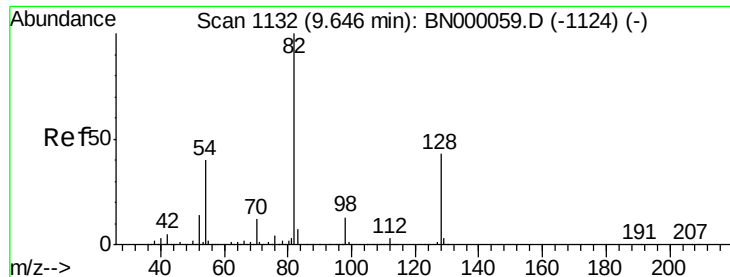
Abundance Ion 105.00 (104.70 to 105.70): E

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

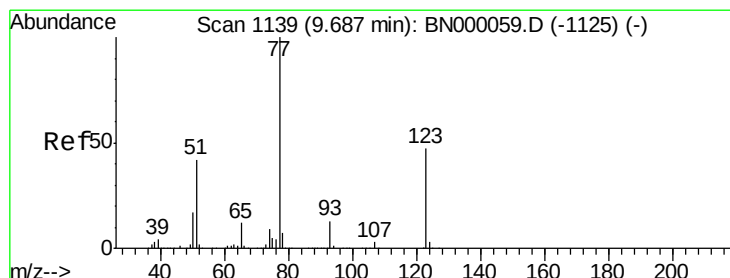
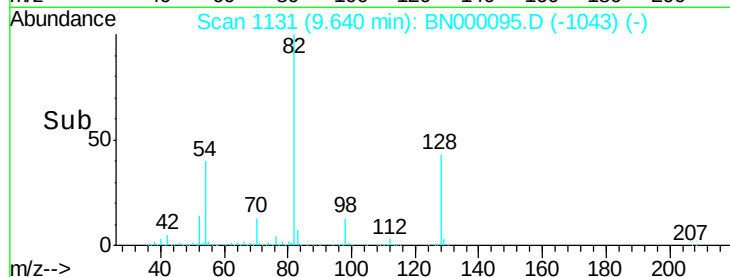
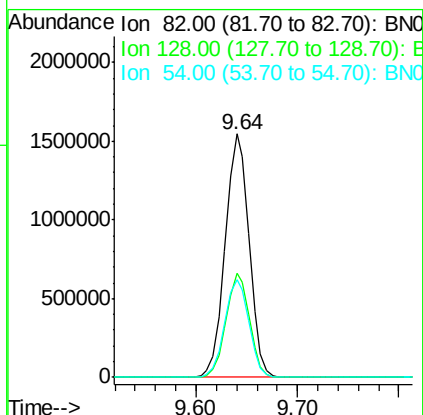
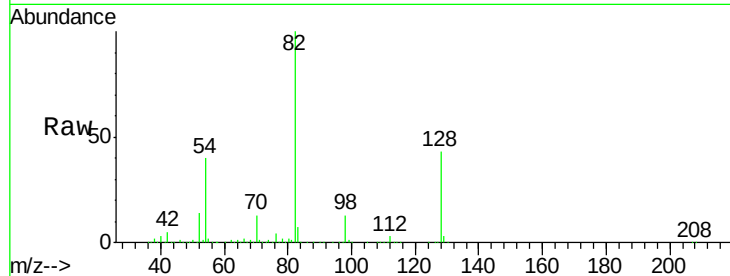




#23
 Nitrobenzene-d5
 Concen: 97.892 ng
 RT: 9.64 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

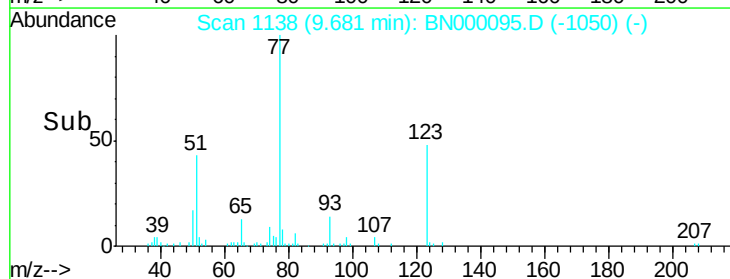
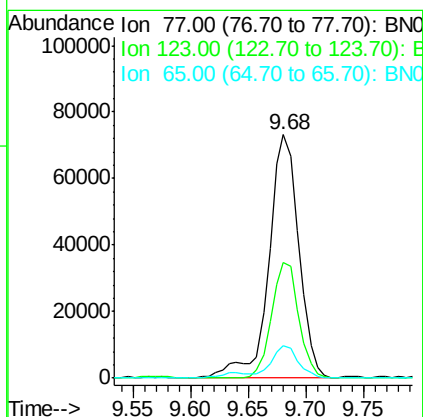
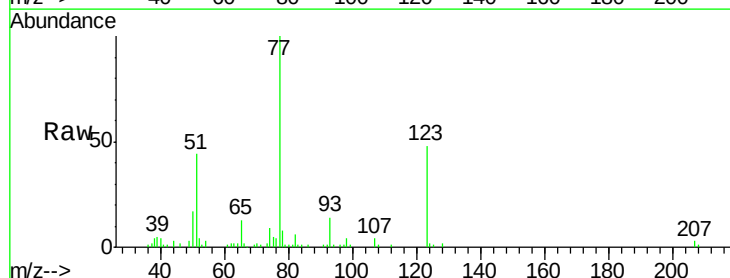
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

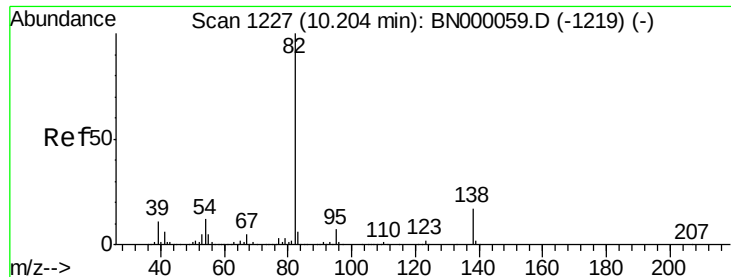
Tot Ion: 82 Resp: 2517774
 Ion Ratio Lower Upper
 82 100
 128 42.5 29.7 44.5
 54 40.2 43.1 64.7#



#24
 Nitrobenzene
 Concen: 4.718 ng
 RT: 9.68 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

Tgt Ion: 77 Resp: 132667
 Ion Ratio Lower Upper
 77 100
 123 47.6 33.0 49.6
 65 13.2 13.0 19.6





#25

Isophorone

Concen: 3.416 ng

RT: 10.20 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

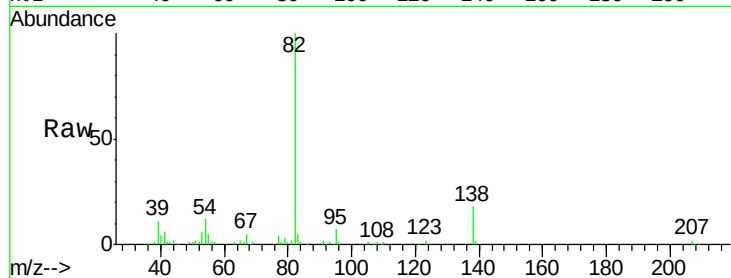
Tot Ion: 82 Resp: 181606

Ion Ratio Lower Upper

82 100

95 7.1 6.2 9.2

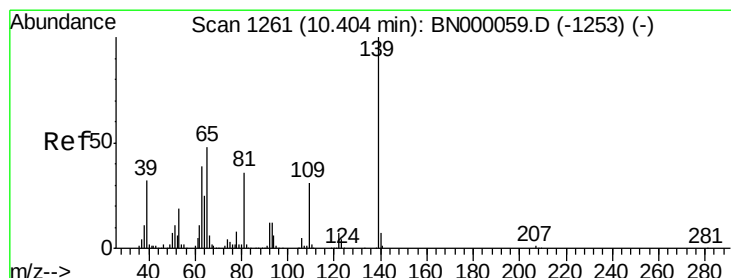
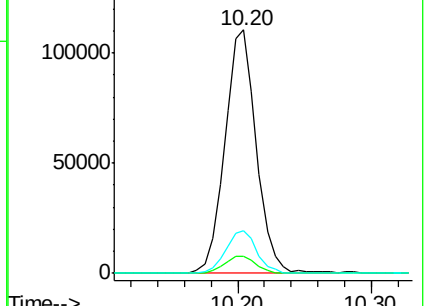
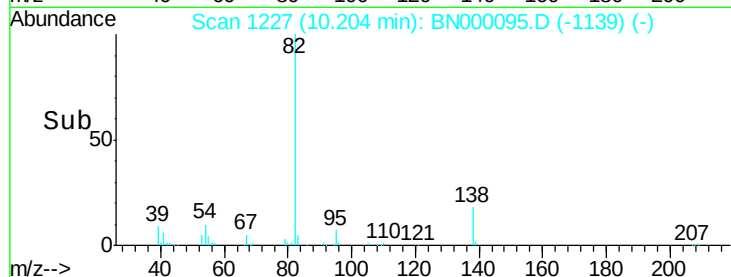
138 17.6 12.1 18.1



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: 9.357 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

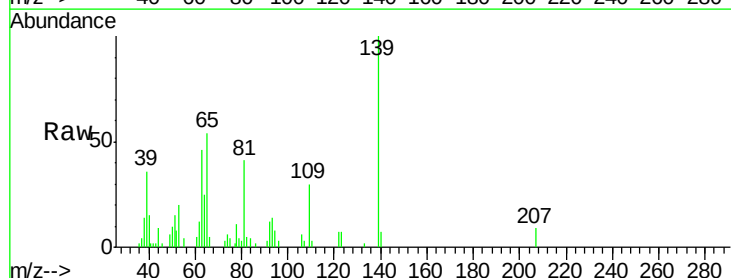
Tgt Ion: 139 Resp: 29331

Ion Ratio Lower Upper

139 100

109 29.7 24.2 36.2

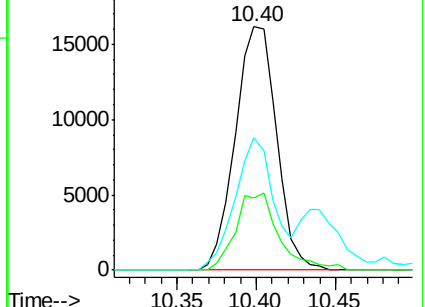
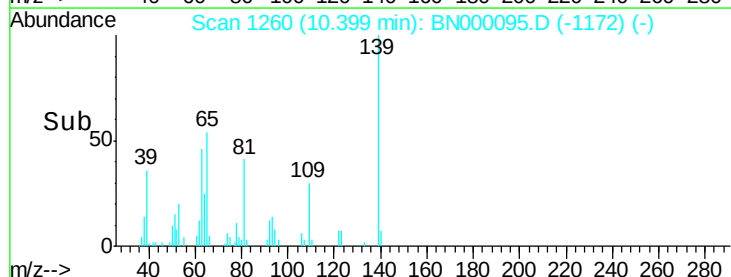
65 54.1 47.4 71.0

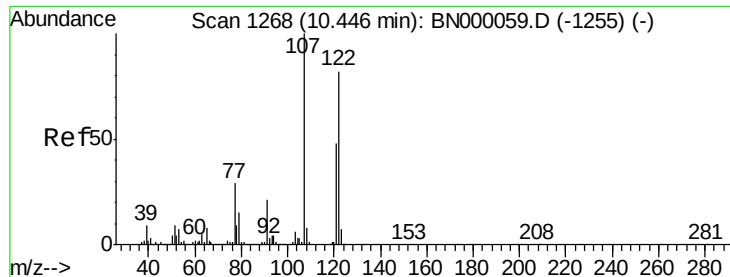


Abundance Ion 139.00 (138.70 to 139.70): BN000059.D (-1253) (-)

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

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

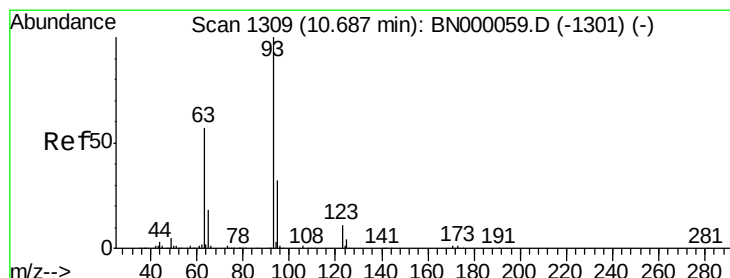
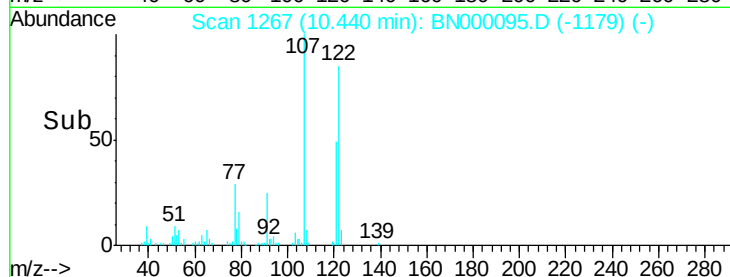
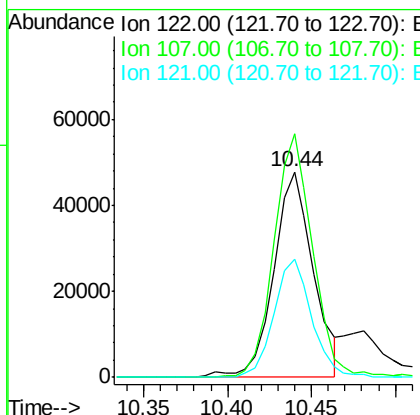
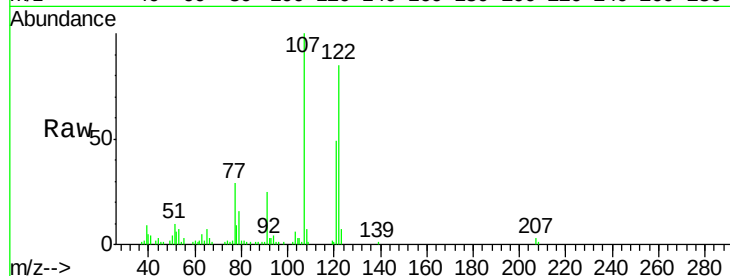




#27
 2,4-Dimethylphenol
 Concen: 3.405 ng m
 RT: 10.44 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

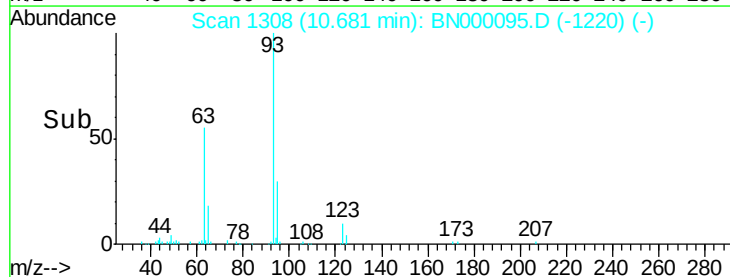
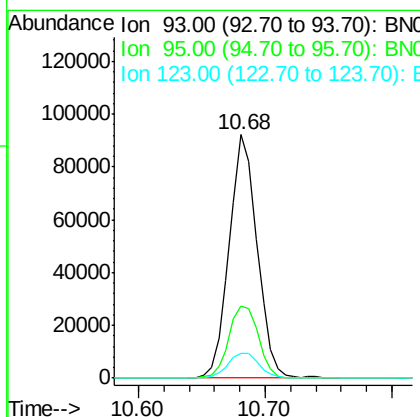
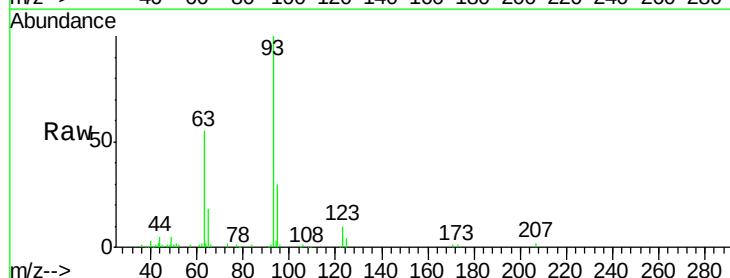
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

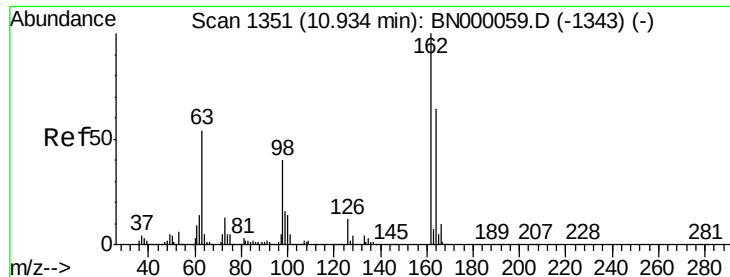
Tot Ion:122 Resp: 78485
 Ion Ratio Lower Upper
 122 100
 107 118.3 100.2 150.2
 121 57.5 44.4 66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.102 ng
 RT: 10.68 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

Tgt Ion: 93 Resp: 139874
 Ion Ratio Lower Upper
 93 100
 95 29.7 24.3 36.5
 123 10.4 8.4 12.6

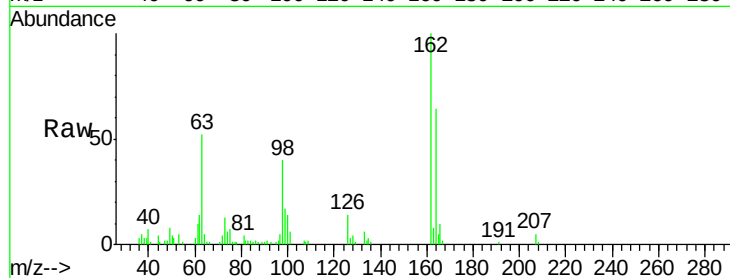




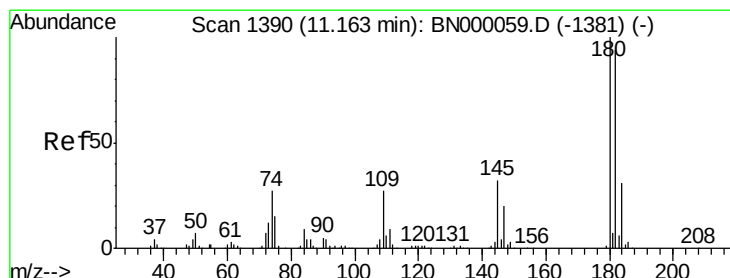
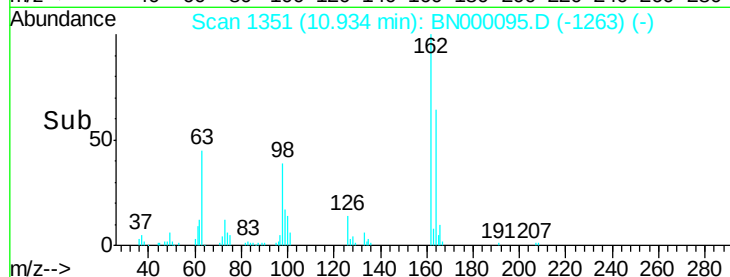
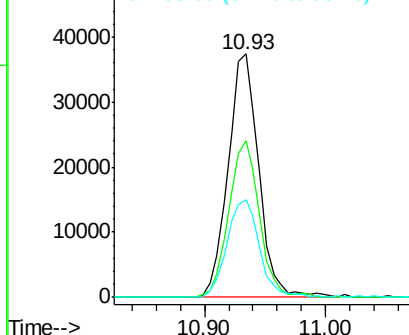
#29
2,4-Dichlorophenol
Concen: 3.104 ng
RT: 10.93 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	48.0	88.0
98	40.3	21.1	61.1

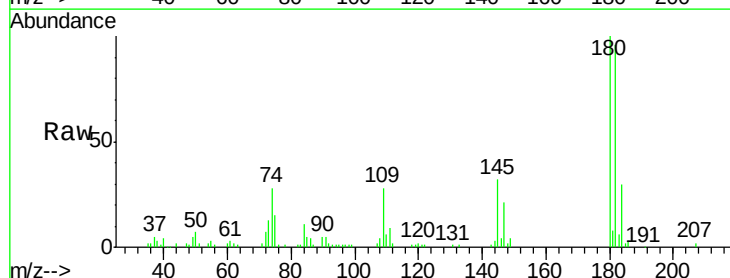


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNC

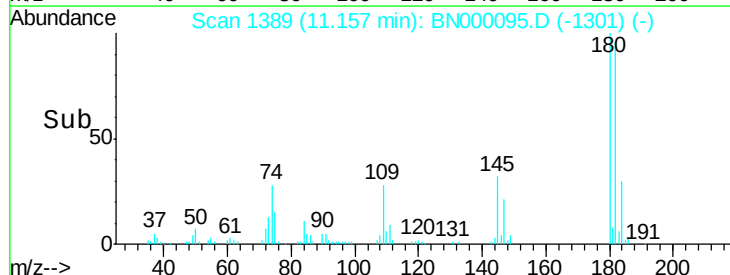
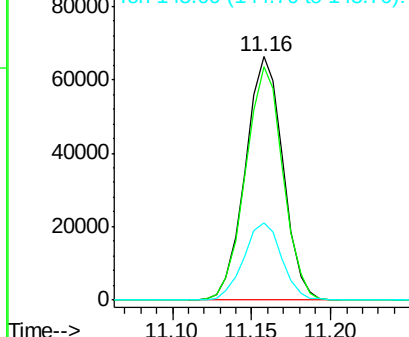


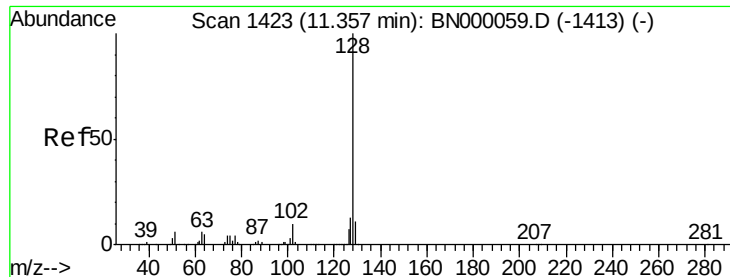
#30
1,2,4-Trichlorobenzene
Concen: 4.440 ng
RT: 11.16 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.5	116.3
145	31.7	23.4	35.2



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

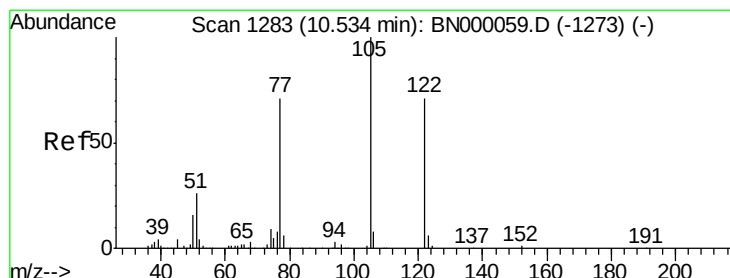
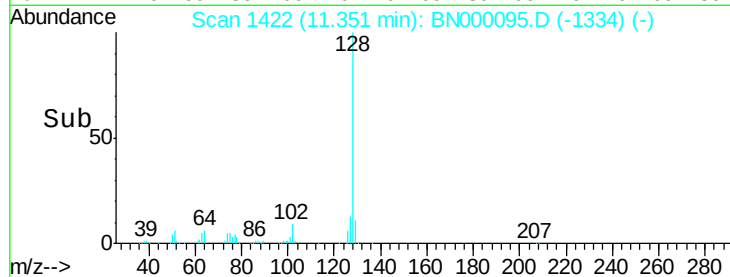
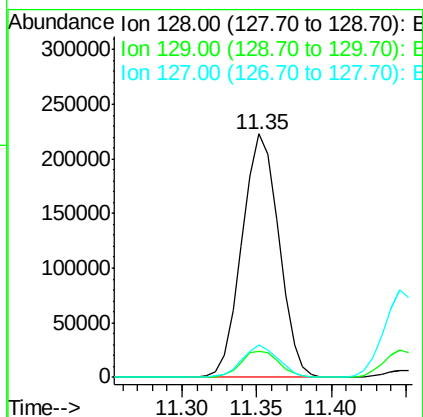
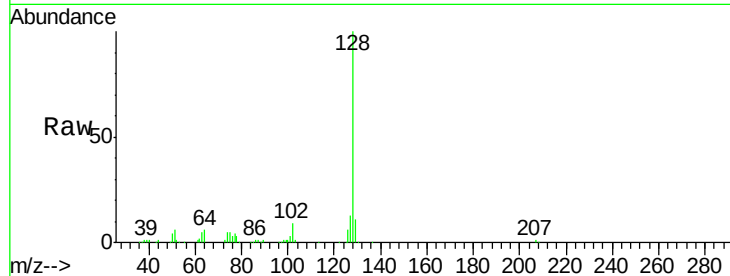




#31
Naphthalene
Concen: 4.565 ng
RT: 11.35 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

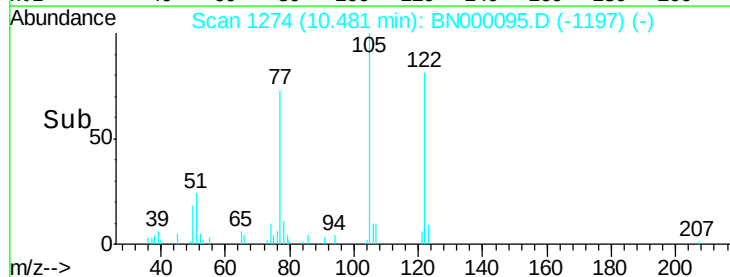
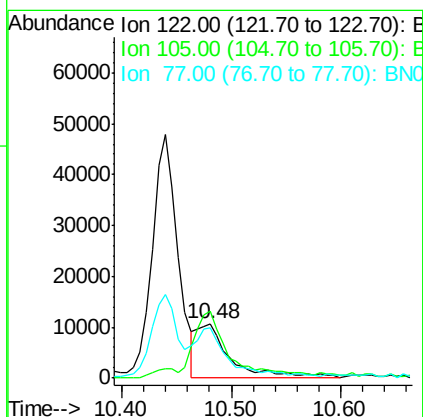
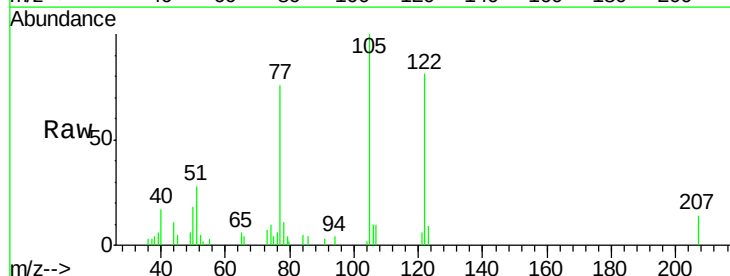
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

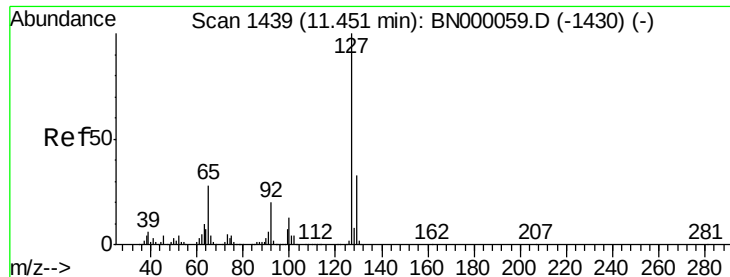
Tot Ion:128 Resp: 382705
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.4 11.6 17.4



#32
Benzoic acid
Concen: 11.610 ng m
RT: 10.48 min Scan# 1274
Delta R.T. -0.08 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:122 Resp: 23410
Ion Ratio Lower Upper
122 100
105 123.2 123.5 163.5#
77 93.4 85.7 125.7

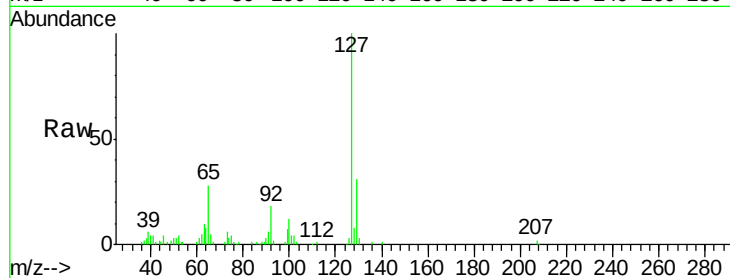




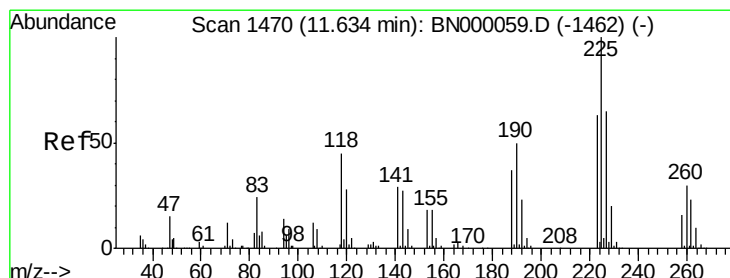
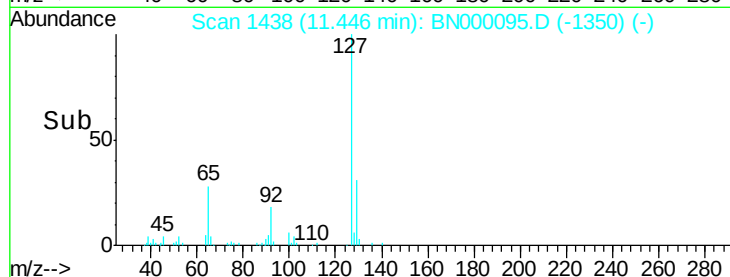
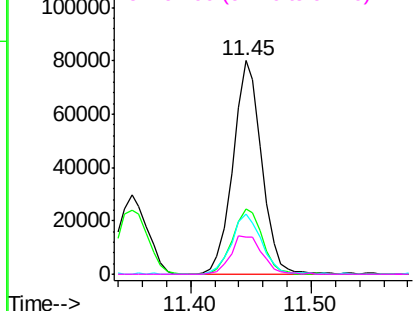
#33
4-Chloroaniline
Concen: 3.605 ng
RT: 11.45 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion:	127	Resp:	132753
Ion	Ratio	Lower	Upper
127	100		
129	30.6	24.0	36.0
65	28.1	27.0	40.4
92	17.7	16.6	25.0

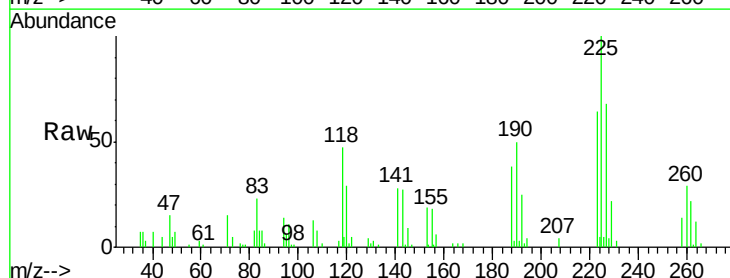


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

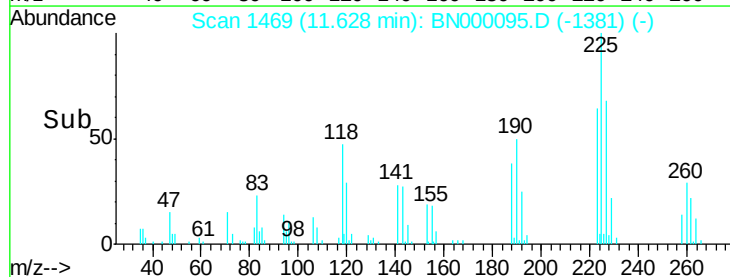
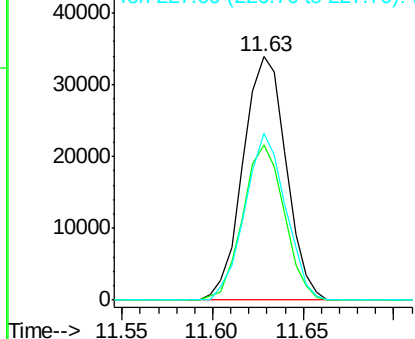


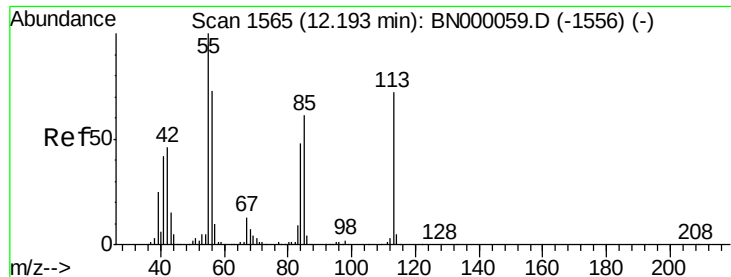
#34
Hexachlorobutadiene
Concen: 4.414 ng
RT: 11.63 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:	225	Resp:	56231
Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.7	74.5
227	68.5	48.1	72.1



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





#35

Caprolactam

Concen: 5.959 ng

RT: 12.17 min Scan# 1561

Delta R.T. -0.03 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

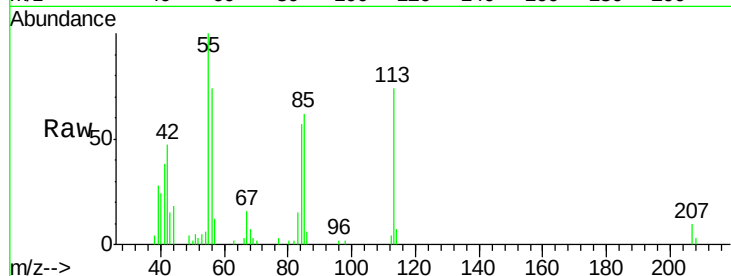
Tot Ion:113 Resp: 19741

Ion Ratio Lower Upper

113 100

55 134.9 120.0 160.0

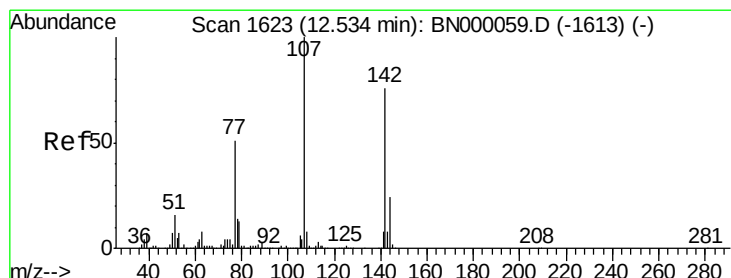
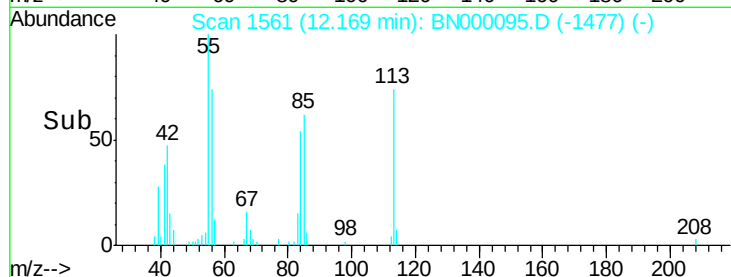
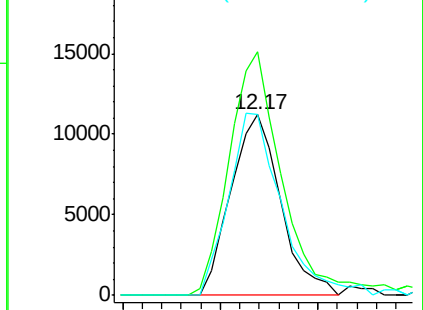
56 100.5 90.0 130.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#36

4-Chloro-3-methylphenol

Concen: 2.990 ng

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

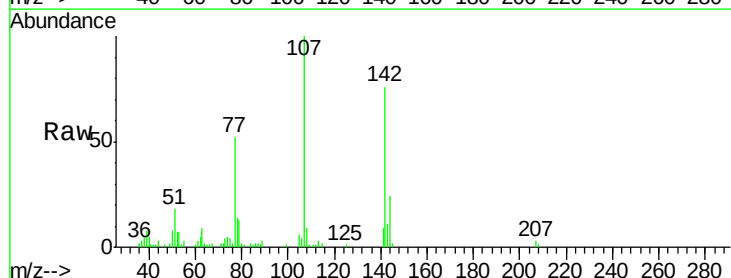
Tgt Ion:107 Resp: 80977

Ion Ratio Lower Upper

107 100

144 23.8 18.2 27.4

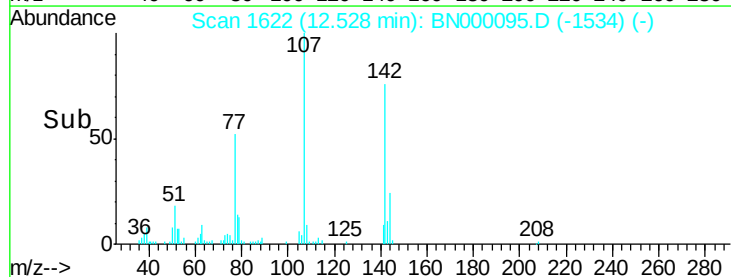
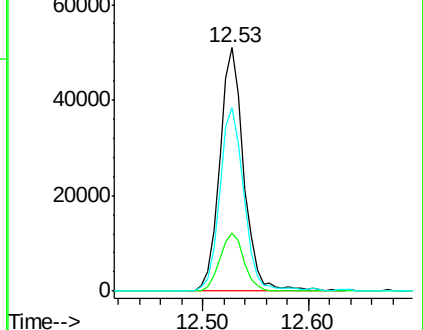
142 75.6 59.0 88.4

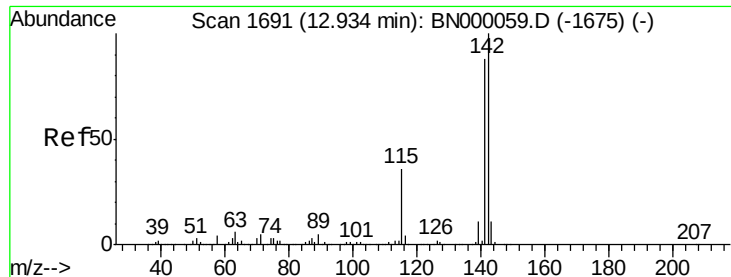


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

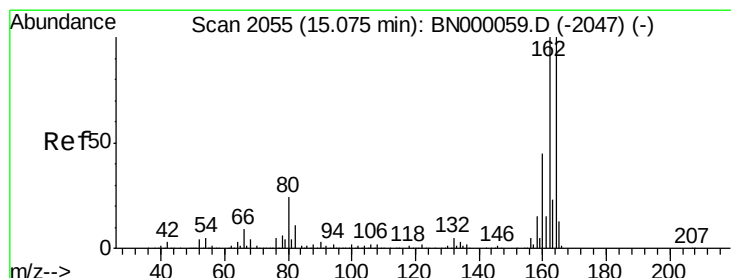
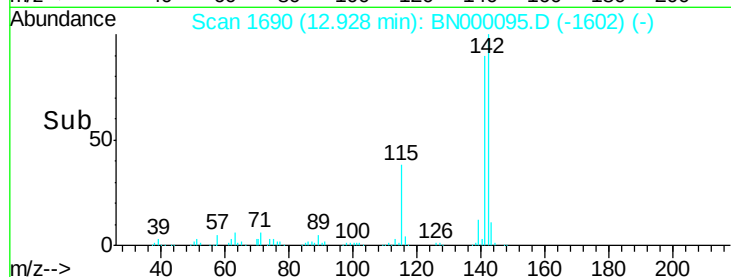
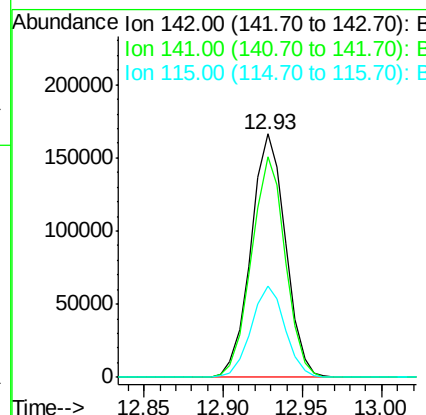
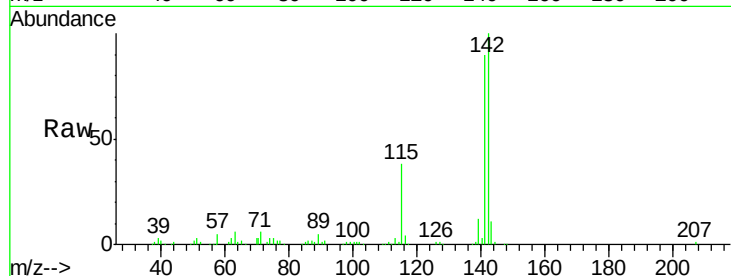




#37
2-Methylnaphthalene
Concen: 4.334 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

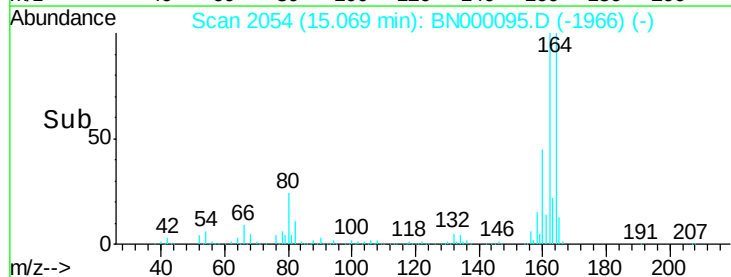
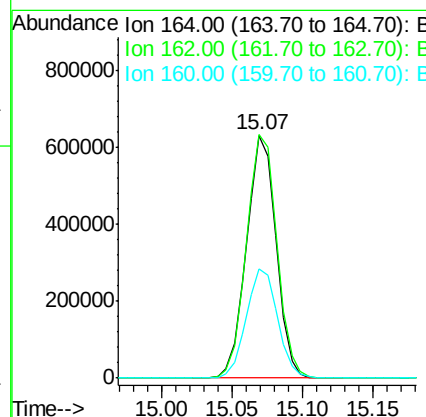
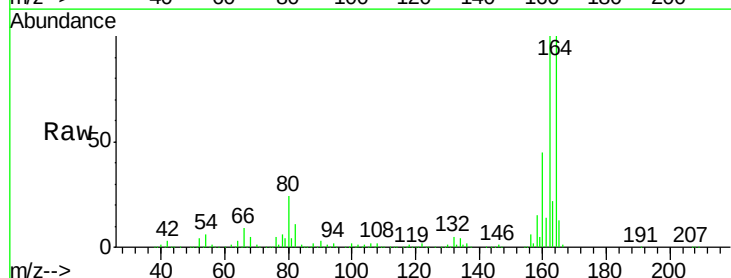
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

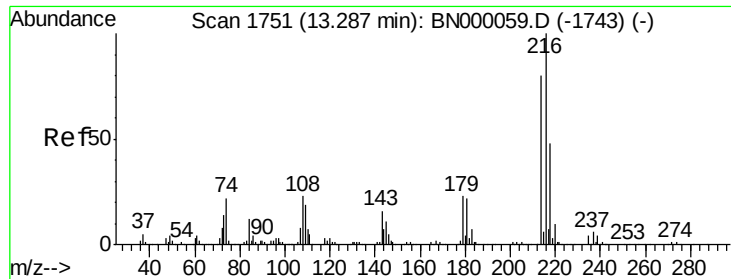
Tot Ion:142 Resp: 252811
Ion Ratio Lower Upper
142 100
141 90.3 67.1 100.7
115 37.6 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:164 Resp: 927091
Ion Ratio Lower Upper
164 100
162 100.2 78.8 118.2
160 45.1 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.395 ng

RT: 13.28 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

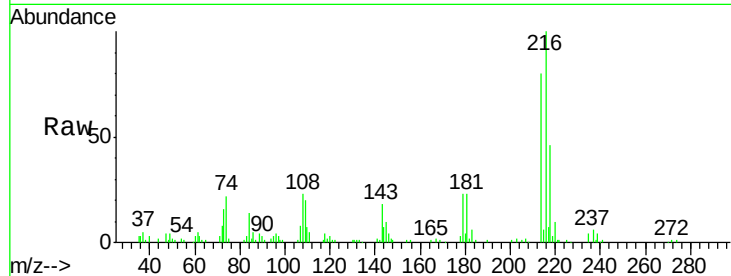
Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	216	Resp:	120267
Ion Ratio		Lower	Upper
216	100		
214	80.7	63.0	94.4
179	23.6	17.0	25.6
108	23.2	12.8	19.2#

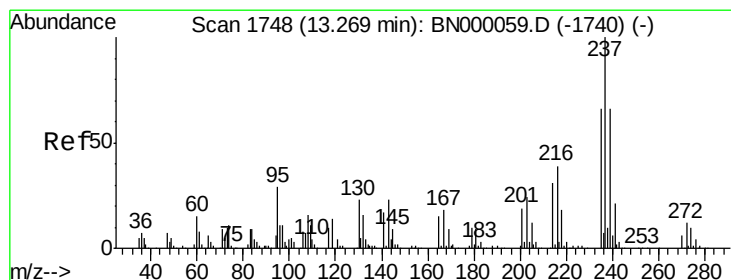
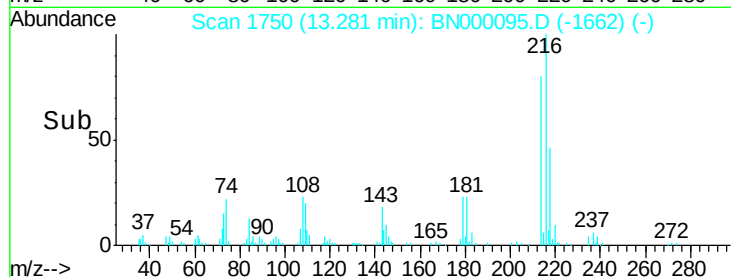
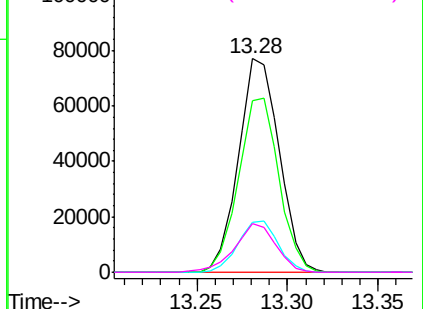


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 3.283 ng

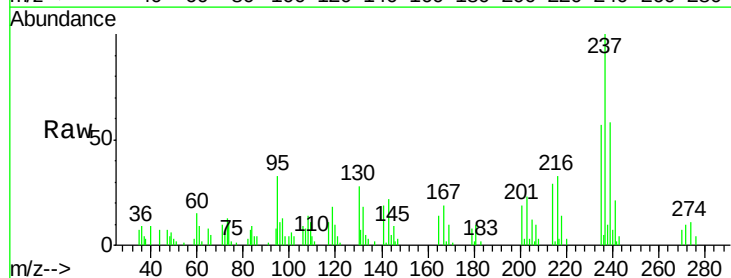
RT: 13.26 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

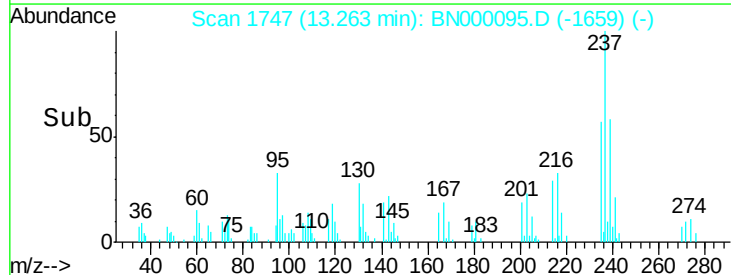
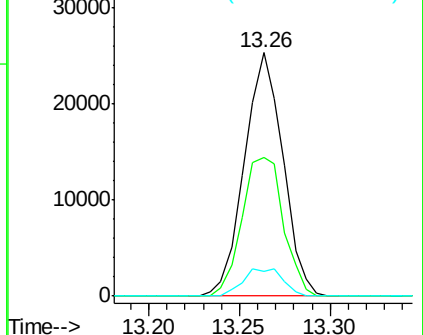
Tgt Ion:	237	Resp:	37449
Ion Ratio		Lower	Upper
237	100		
235	57.0	50.4	90.4
272	10.1	0.0	31.8

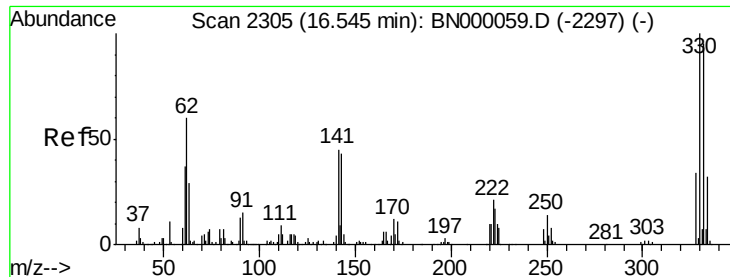


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

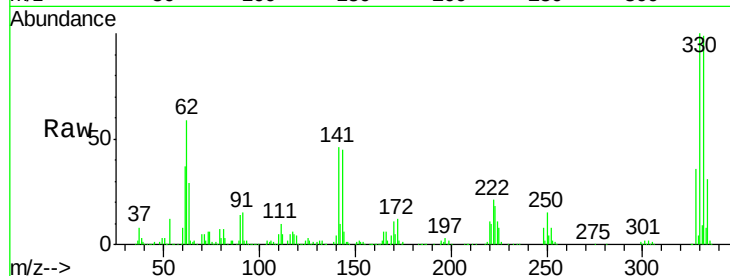




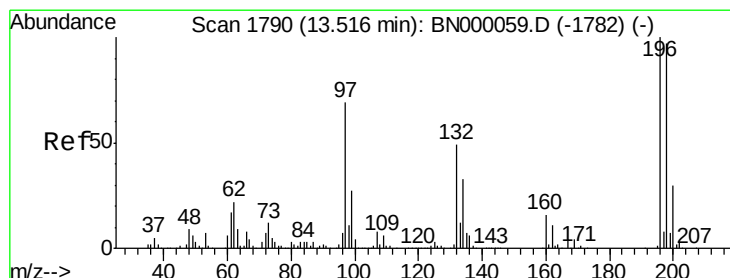
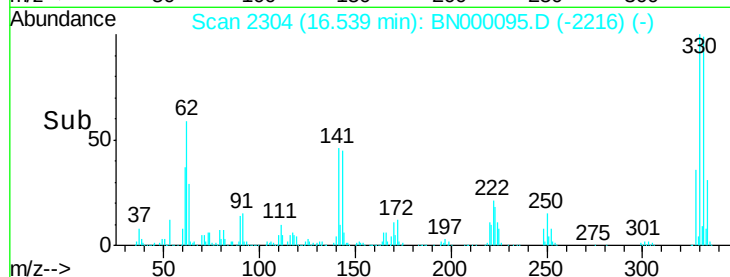
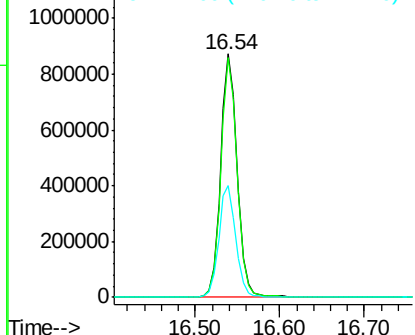
#41
 2,4,6-Tribromophenol
 Concen: 130.052 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

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

Tot Ion:330 Resp: 1193465
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 47.6 25.2 37.8#

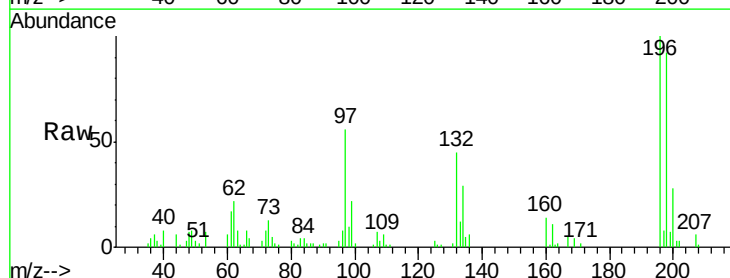


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

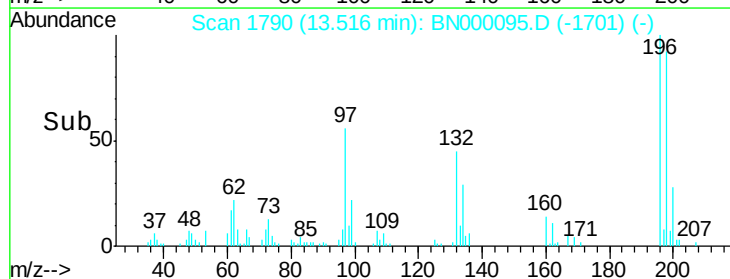
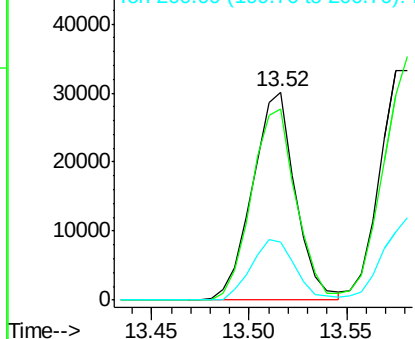


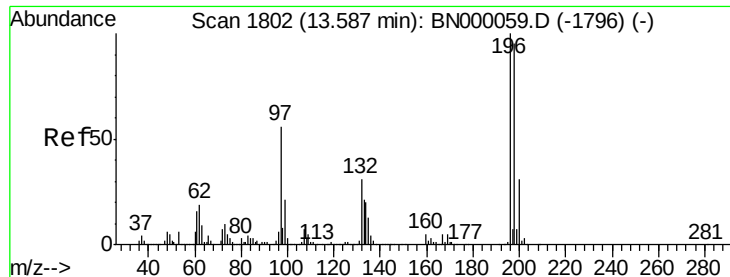
#42
 2,4,6-Trichlorophenol
 Concen: 2.805 ng
 RT: 13.52 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

Tgt Ion:196 Resp: 46011
 Ion Ratio Lower Upper
 196 100
 198 92.1 78.2 117.2
 200 28.1 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

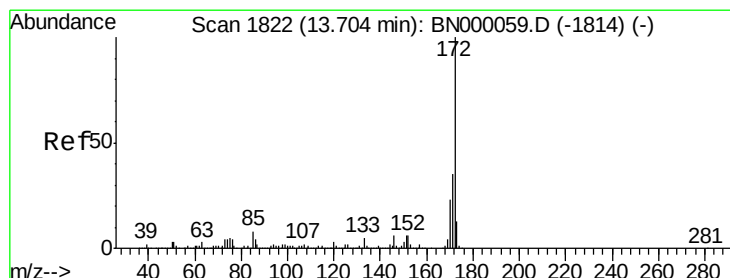
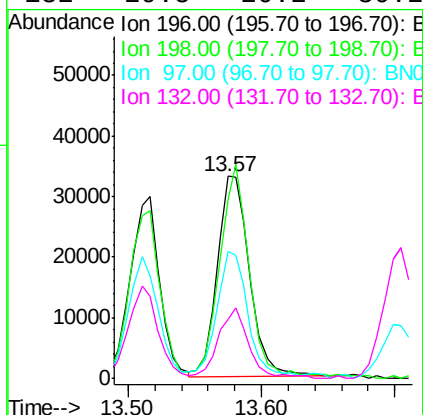
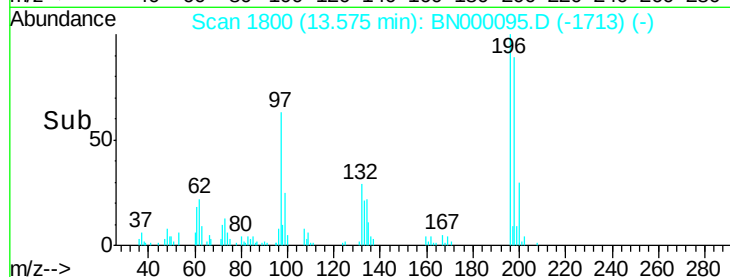
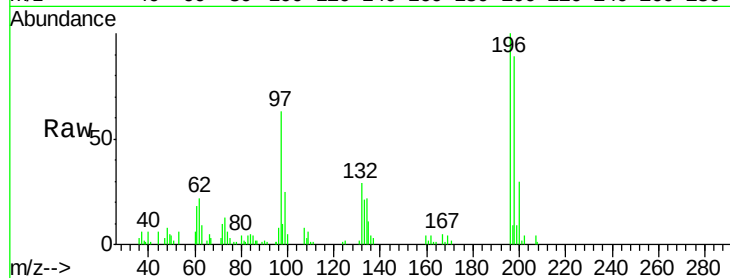




#43
2,4,5-Trichlorophenol
Concen: 2.860 ng
RT: 13.57 min Scan# 1800
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

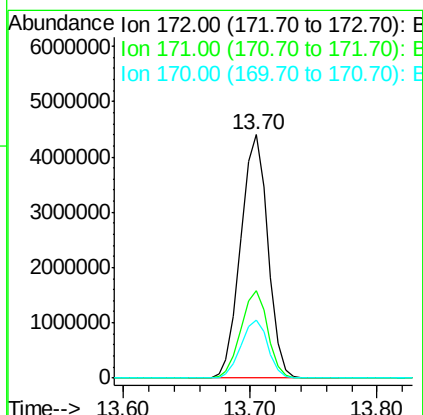
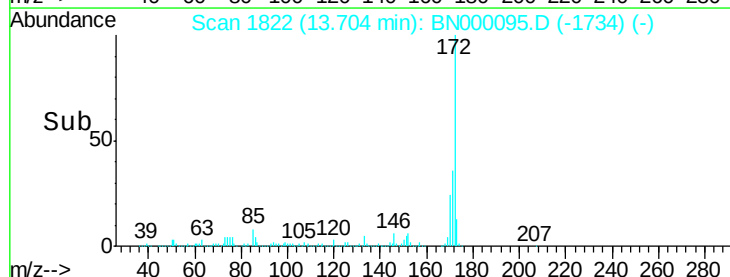
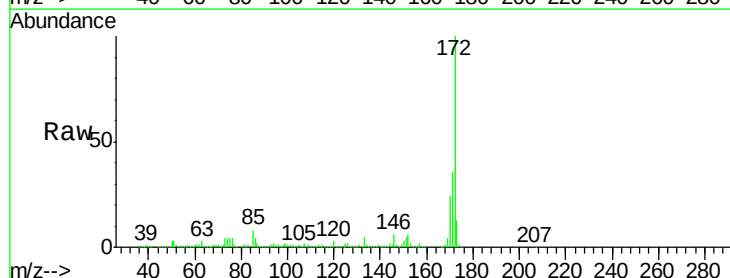
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

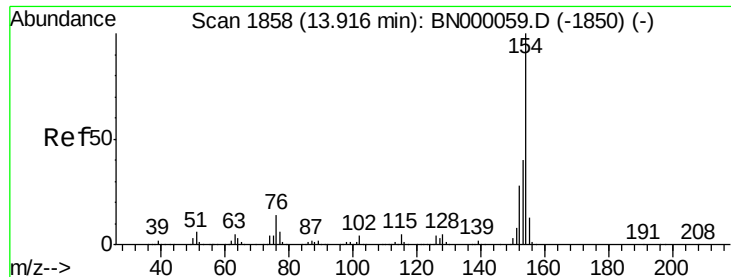
Tot Ion:196 Resp: 56385
Ion Ratio Lower Upper
196 100
198 89.1 76.2 114.4
97 62.6 38.7 58.1#
132 29.5 20.2 30.2



#44
2-Fluorobiphenyl
Concen: 99.162 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:172 Resp: 6522735
Ion Ratio Lower Upper
172 100
171 36.1 30.0 45.0
170 23.9 19.5 29.3





#45

1,1'-Biphenyl

Concen: 4.656 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

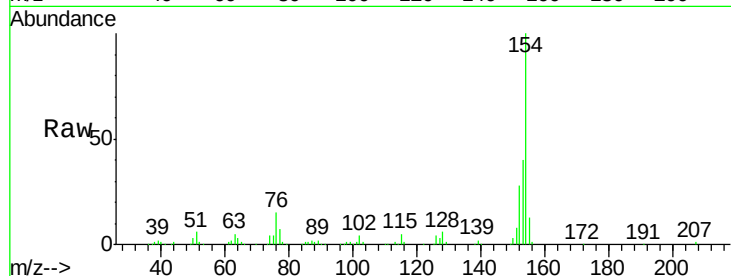
Tot Ion:154 Resp: 380145

Ion Ratio Lower Upper

154 100

153 39.9 19.8 59.8

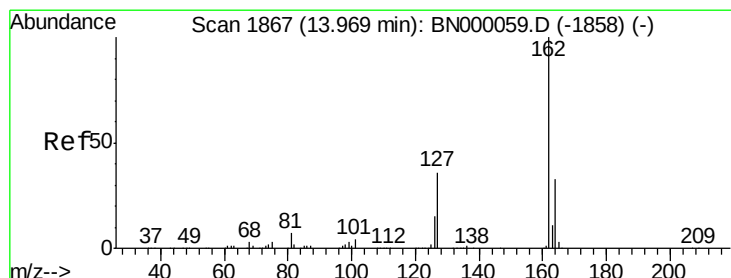
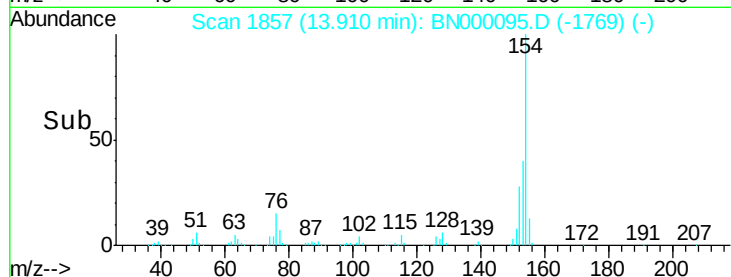
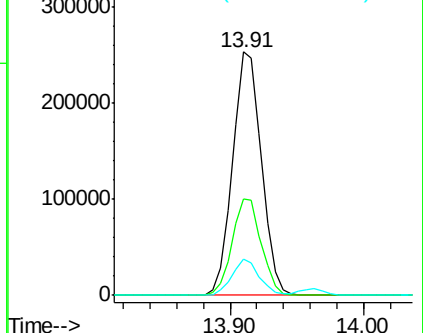
76 14.7 0.0 31.9



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: 4.409 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

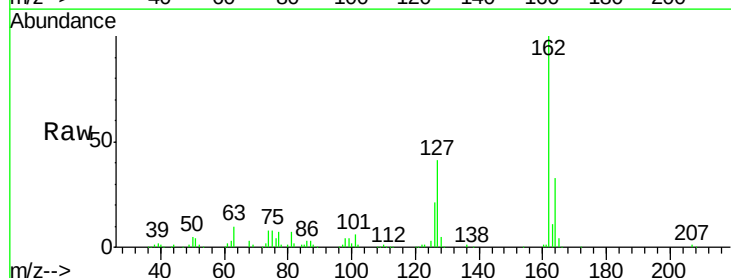
Tgt Ion:162 Resp: 270103

Ion Ratio Lower Upper

162 100

127 41.5 30.7 46.1

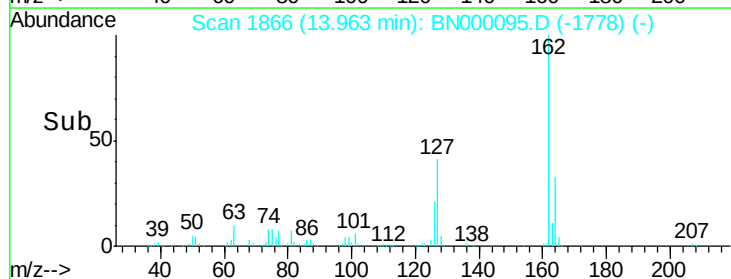
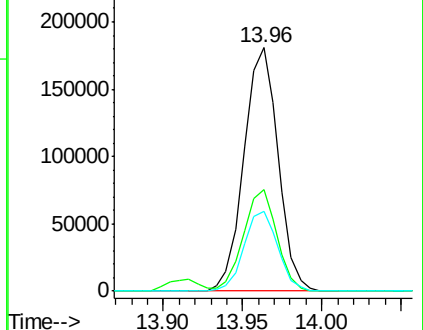
164 32.9 26.0 39.0

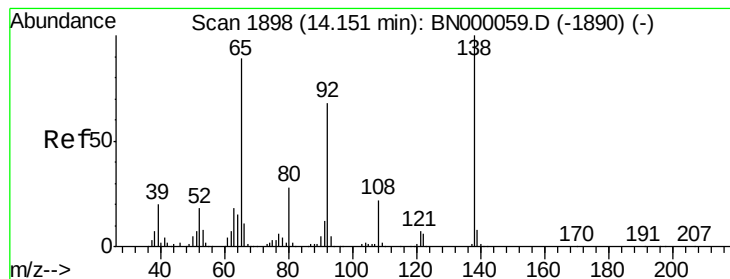


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 6.951 ng

RT: 14.15 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

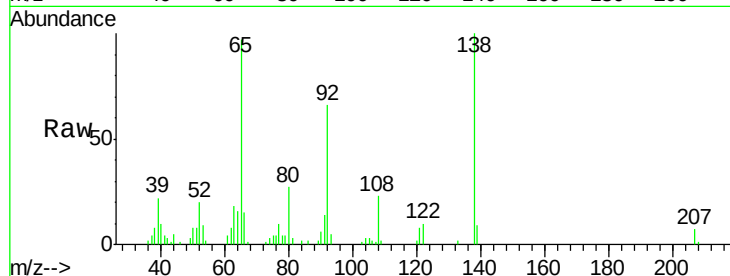
Tot Ion: 65 Resp: 41458

Ion Ratio Lower Upper

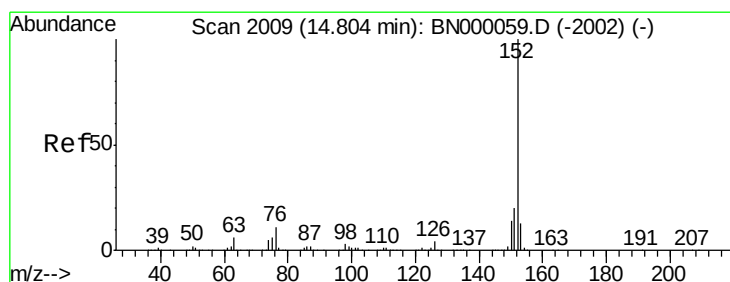
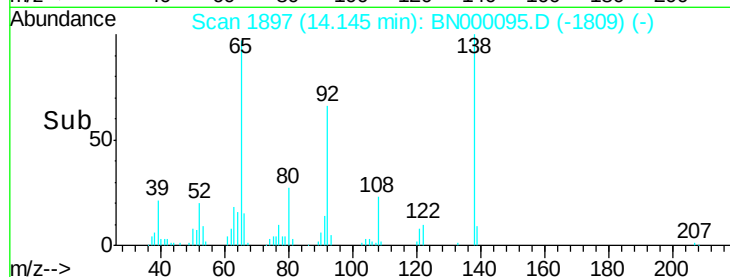
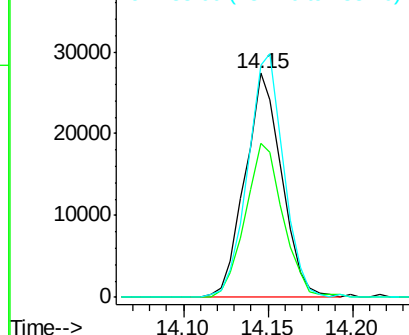
65 100

92 68.8 54.6 82.0

138 103.5 72.9 109.3



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



#48

Acenaphthylene

Concen: 3.976 ng

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

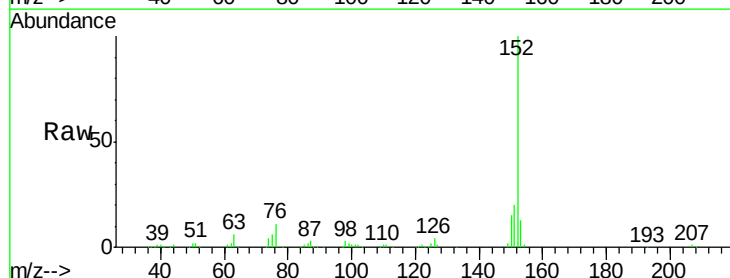
Tgt Ion: 152 Resp: 392419

Ion Ratio Lower Upper

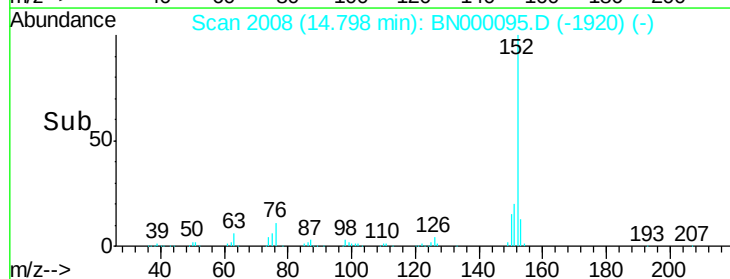
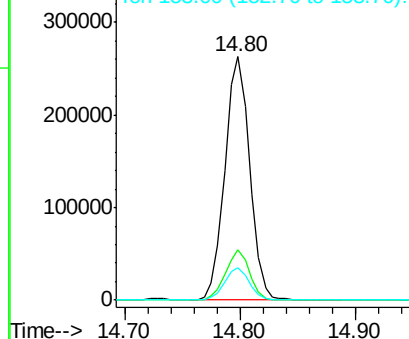
152 100

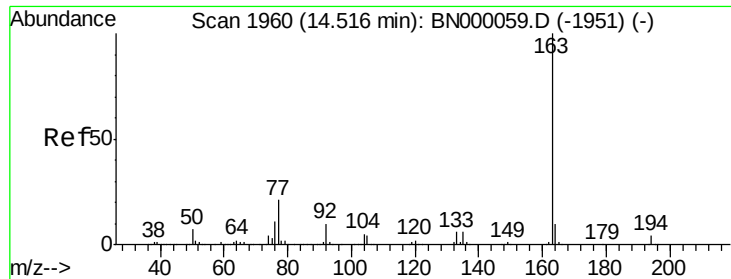
151 20.5 17.2 25.8

153 13.4 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: 4.039 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

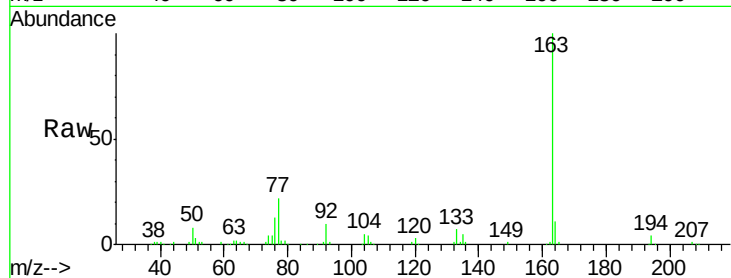
Tot Ion:163 Resp: 313003

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

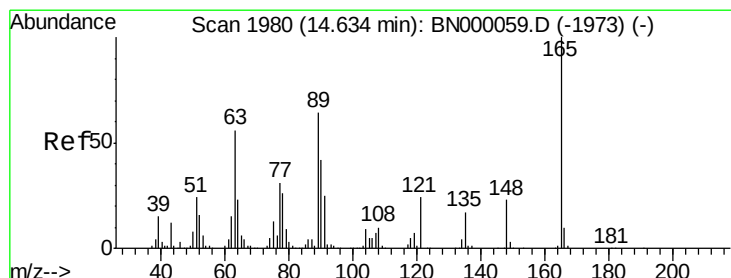
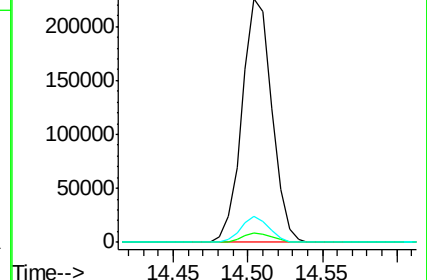
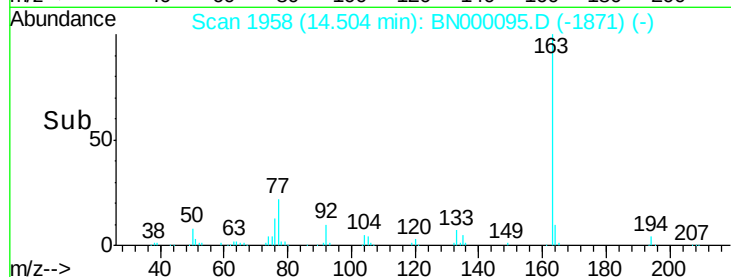
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.742 ng

RT: 14.63 min Scan# 1979

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

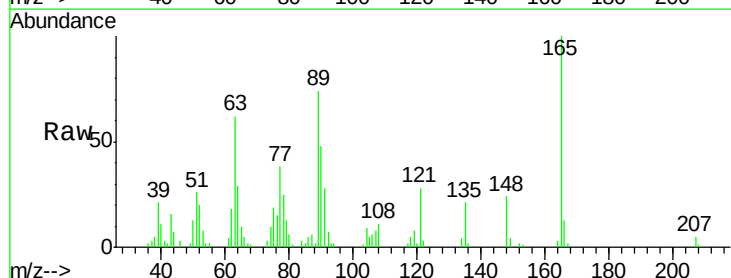
Tgt Ion:165 Resp: 43862

Ion Ratio Lower Upper

165 100

63 62.0 52.7 79.1

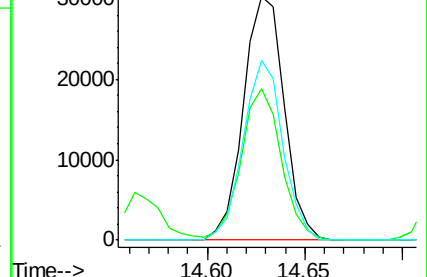
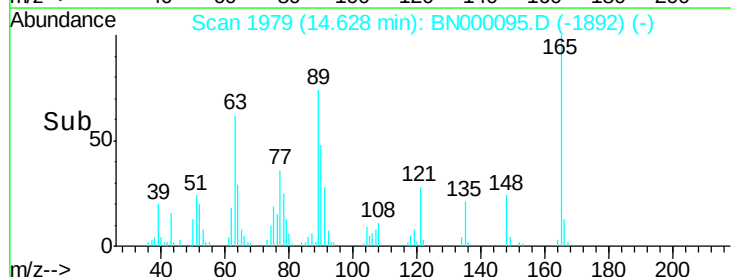
89 73.9 49.2 73.8#

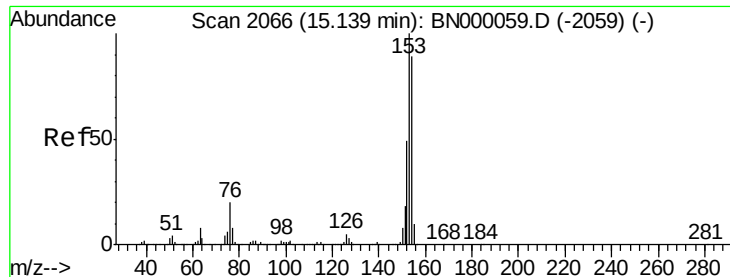


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 4.403 ng

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

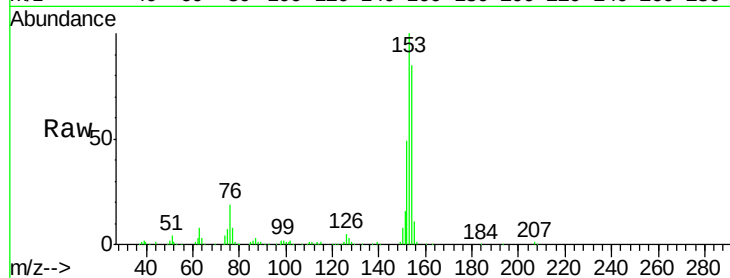
Tot Ion:154 Resp: 282878

Ion Ratio Lower Upper

154 100

153 117.7 90.4 135.6

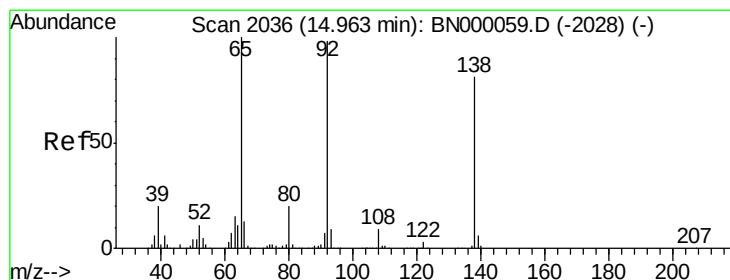
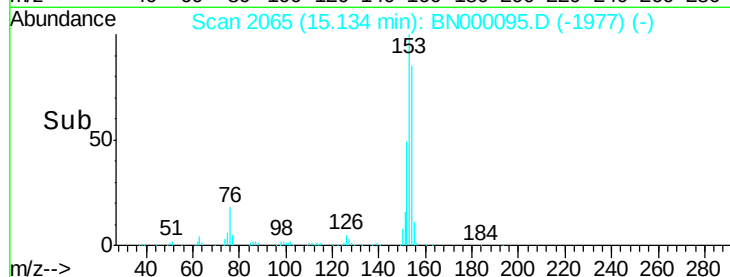
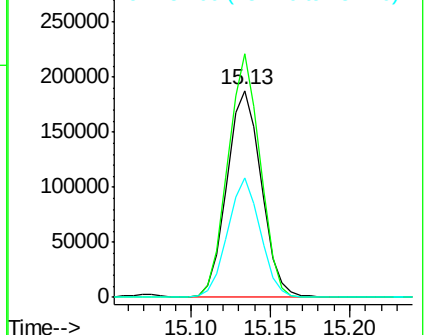
152 57.8 41.6 62.4



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: 2.787 ng

RT: 14.96 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

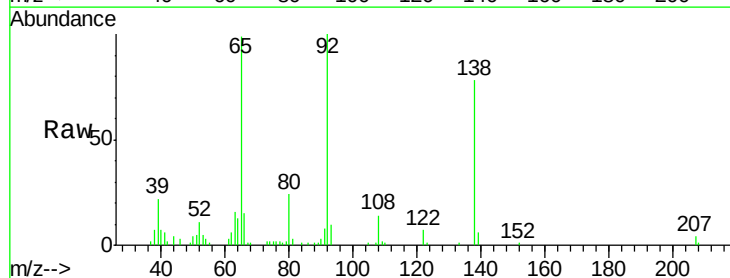
Tgt Ion:138 Resp: 54194

Ion Ratio Lower Upper

138 100

108 17.6 17.5 26.3

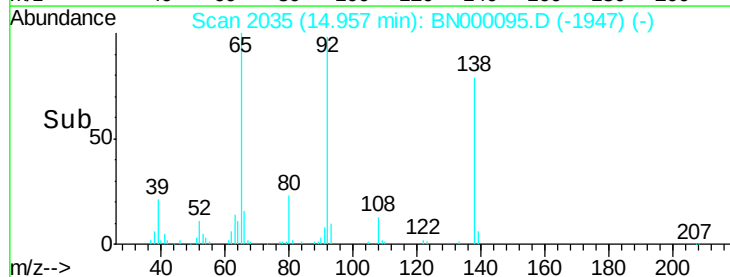
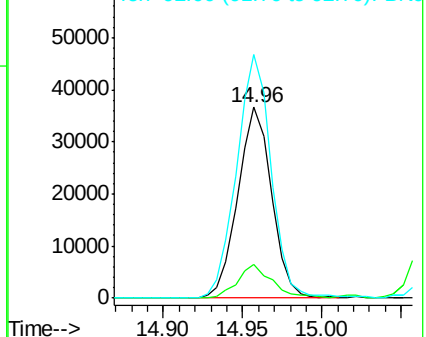
92 127.6 105.8 158.8

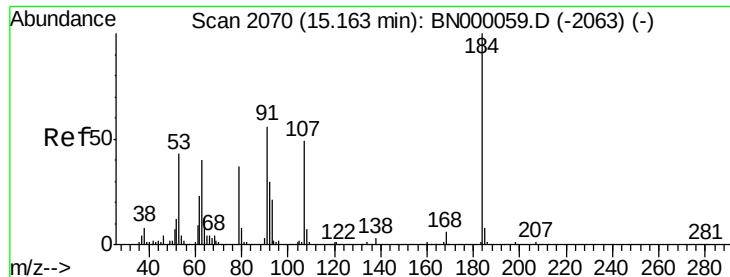


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

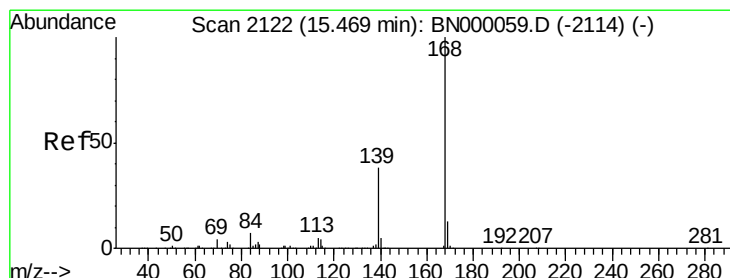
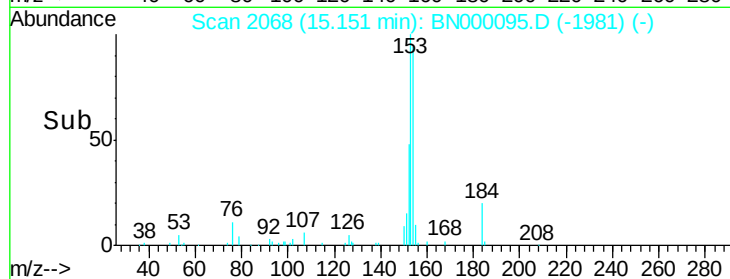
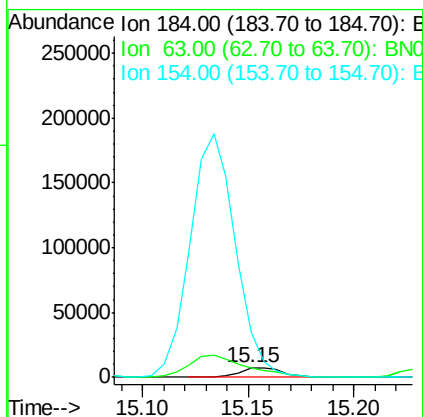
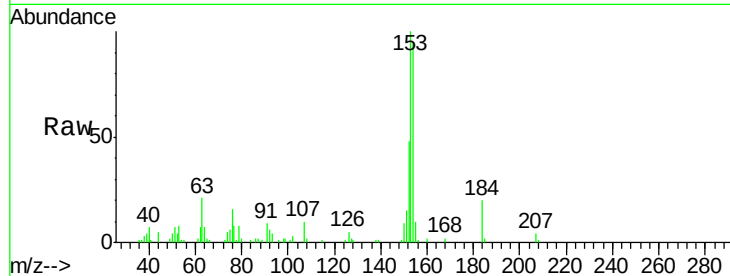




#53
2,4-Dinitrophenol
Concen: 10.930 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

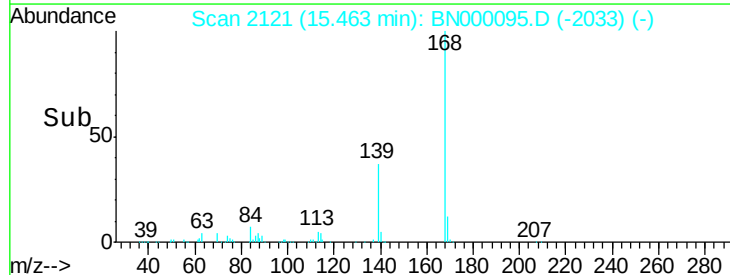
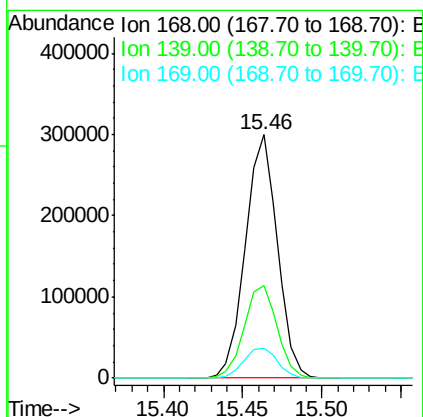
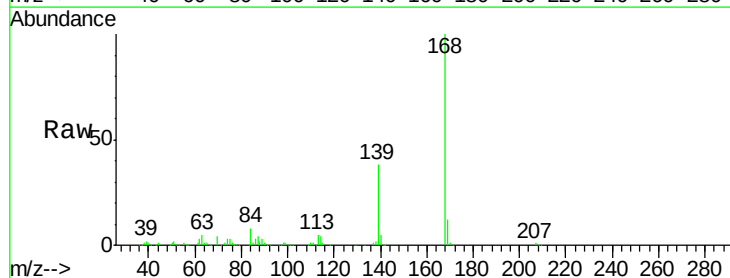
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

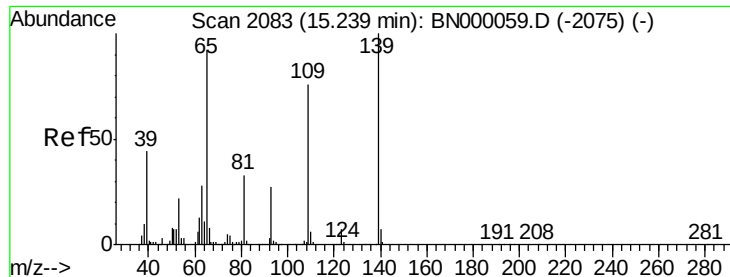
Tot Ion:184 Resp: 10917
Ion Ratio Lower Upper
184 100
63 105.5 80.0 120.0
154 474.6 308.0 462.0#



#54
Dibenzofuran
Concen: 4.606 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:168 Resp: 419077
Ion Ratio Lower Upper
168 100
139 37.8 28.6 43.0
169 12.3 11.2 16.8

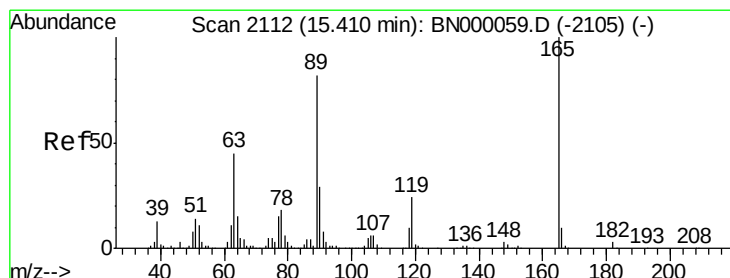
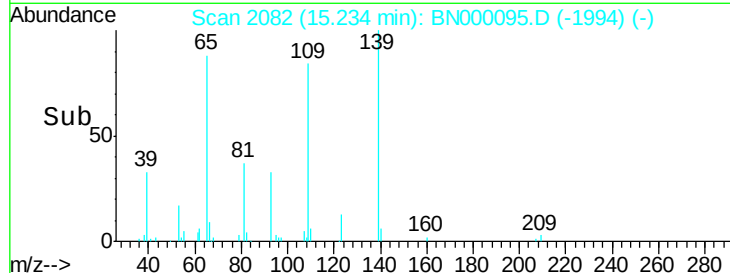
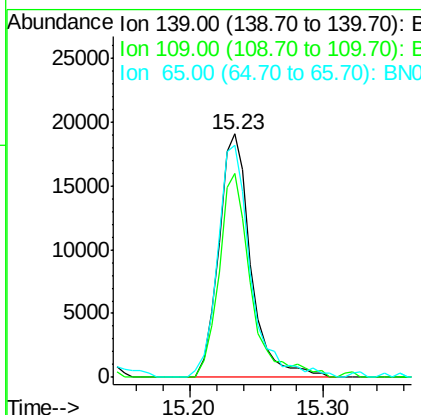
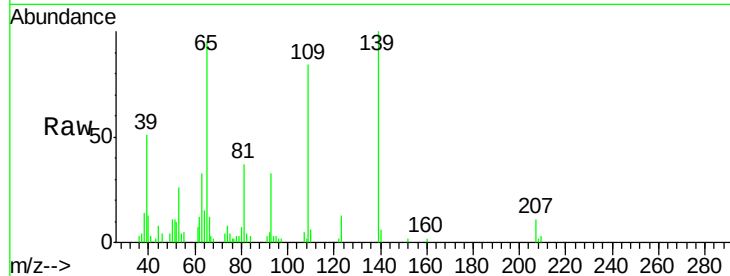




#55
4-Nitrophenol
Concen: 6.862 ng
RT: 15.23 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

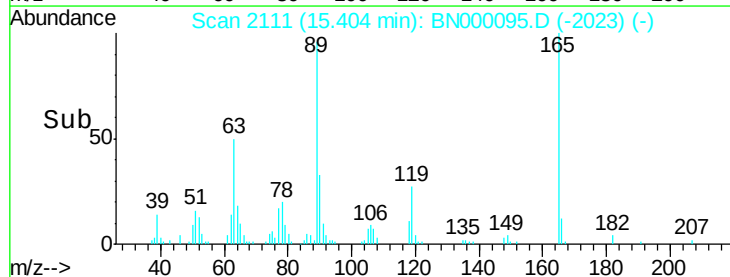
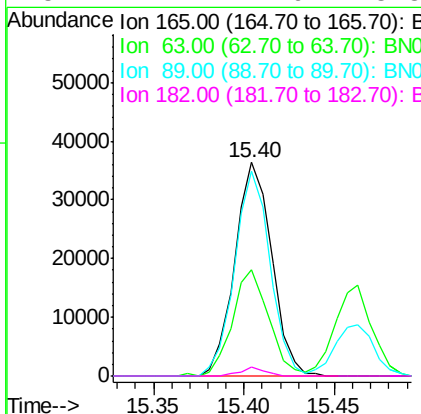
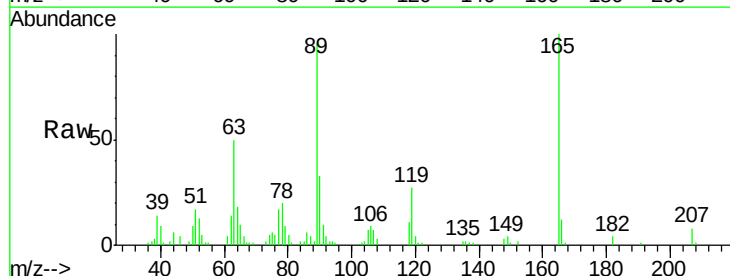
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

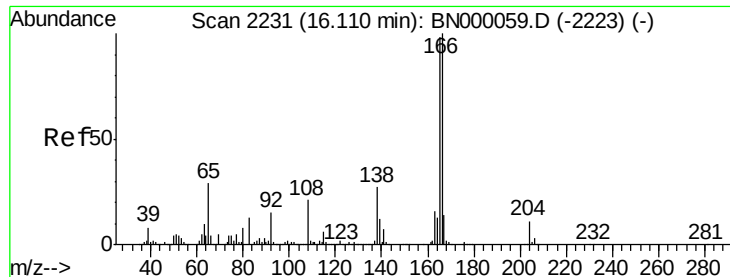
Tot Ion:139 Resp: 32039
Ion Ratio Lower Upper
139 100
109 83.6 62.2 102.2
65 95.3 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 6.242 ng
RT: 15.40 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:165 Resp: 51653
Ion Ratio Lower Upper
165 100
63 50.0 42.0 63.0
89 95.6 66.9 100.3
182 4.2 2.6 3.8#





#57

Fluorene

Concen: 4.473 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

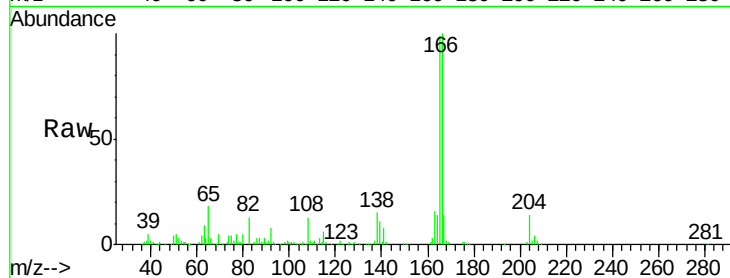
Tot Ion:166 Resp: 332380

Ion Ratio Lower Upper

166 100

165 98.7 80.6 121.0

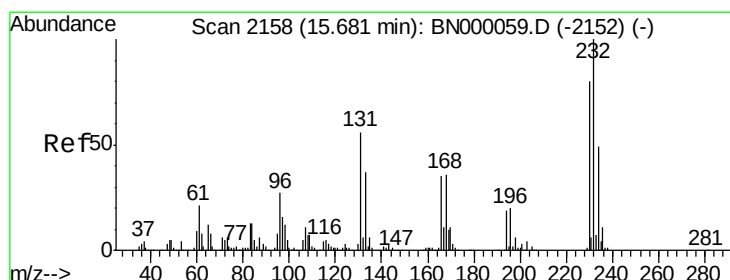
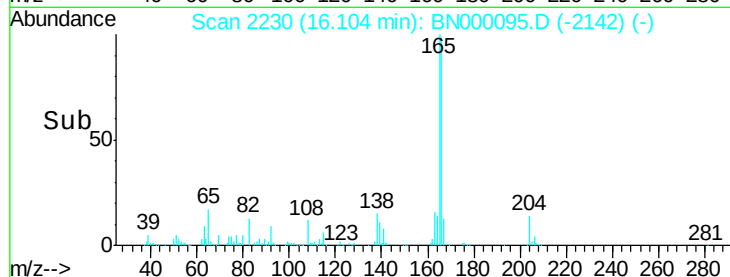
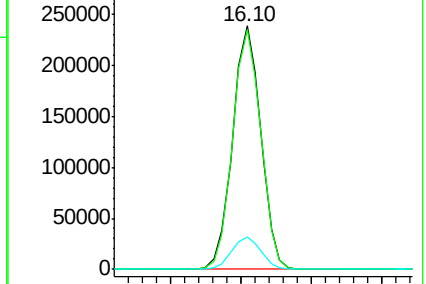
167 13.5 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 3.093 ng

RT: 15.67 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Tgt Ion:232 Resp: 48124

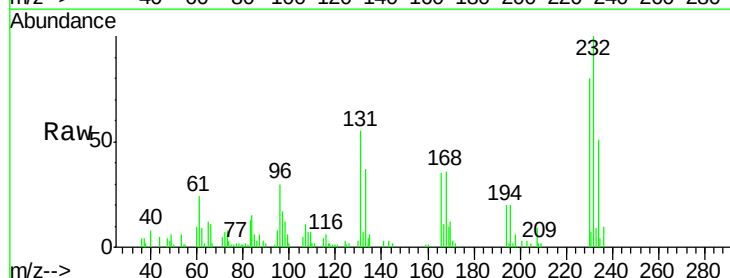
Ion Ratio Lower Upper

232 100

131 57.2 33.5 50.3#

130 2.5 2.2 3.2

166 36.3 24.8 37.2

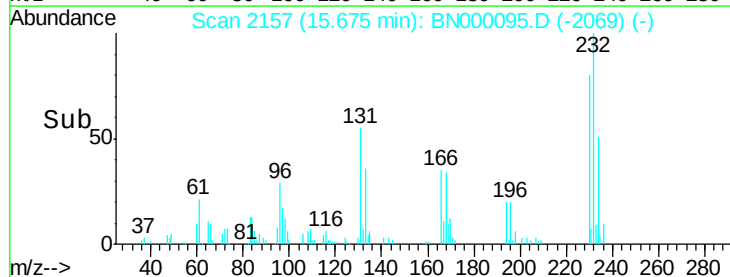
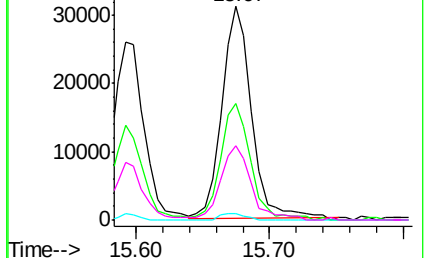


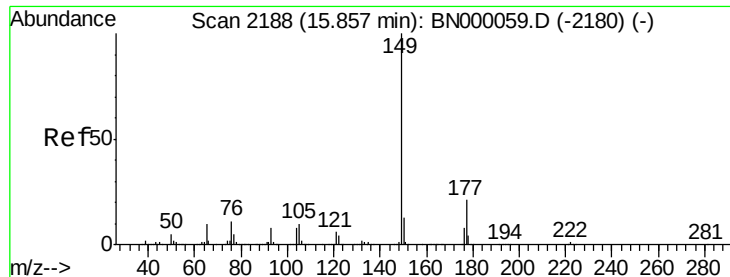
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

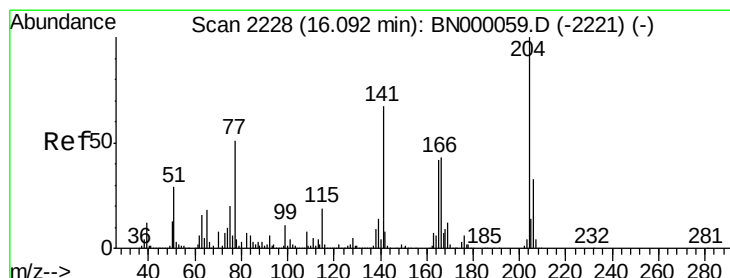
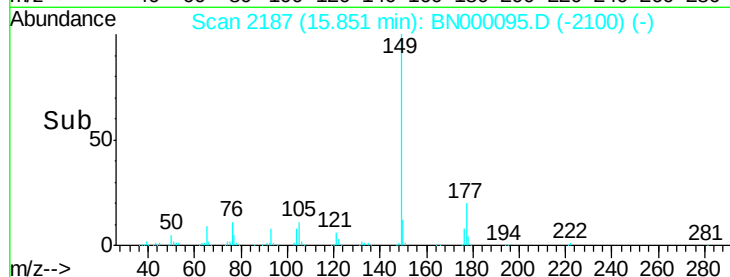
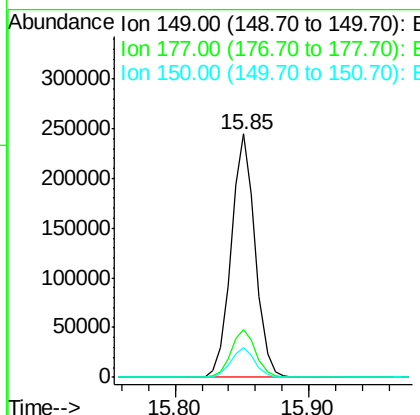
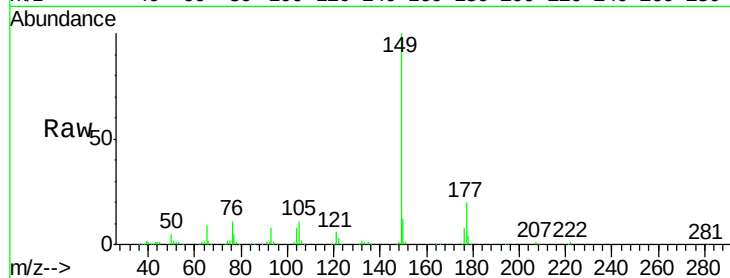




#59
Diethylphthalate
Concen: 3.871 ng
RT: 15.85 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

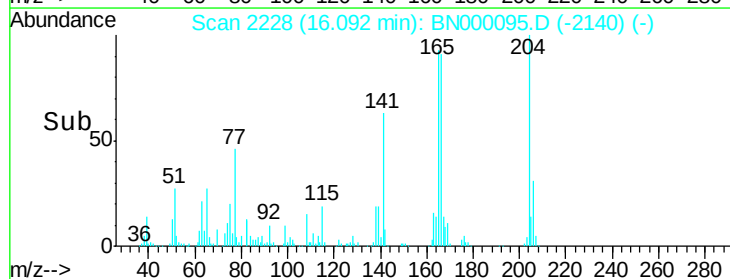
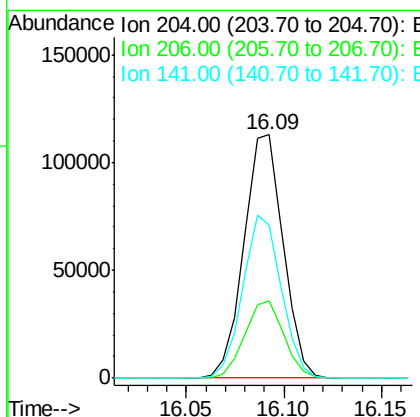
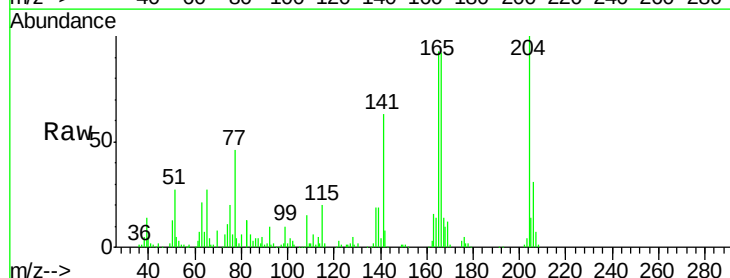
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

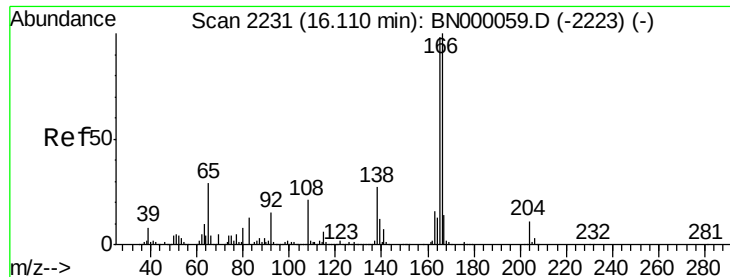
Tot Ion	Ratio	Lower	Upper
149	100		
177	19.6	18.5	27.7
150	12.3	10.2	15.2



#60
4-Chlorophenyl-phenylether
Concen: 4.640 ng
RT: 16.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.5	26.2	39.2
141	62.7	45.8	68.6





#61

4-Nitroaniline

Concen: 2.738 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

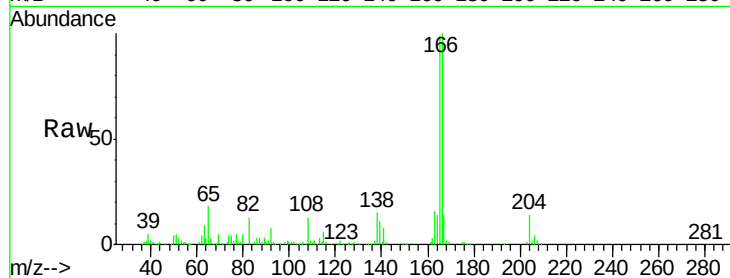
Tot Ion:138 Resp: 54720

Ion Ratio Lower Upper

138 100

92 56.8 40.1 80.1

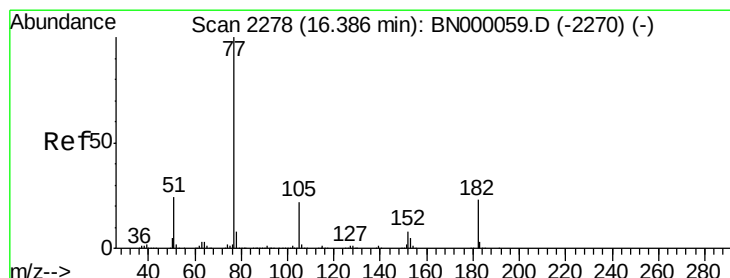
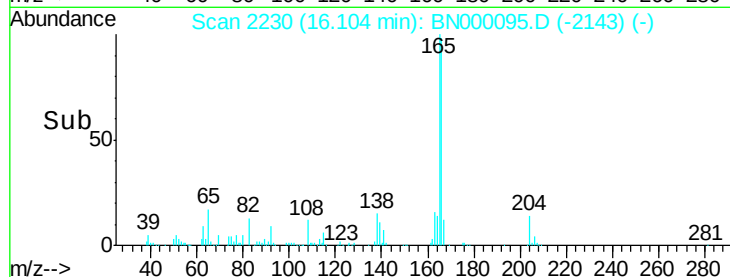
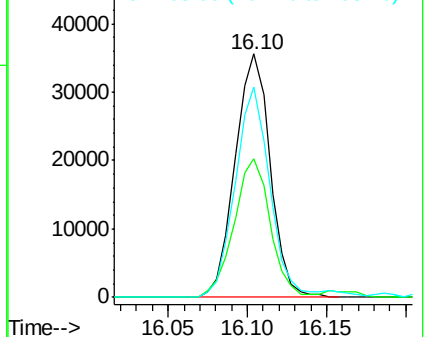
108 86.6 65.4 105.4



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: 3.873 ng

RT: 16.38 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Tgt Ion: 77 Resp: 303634

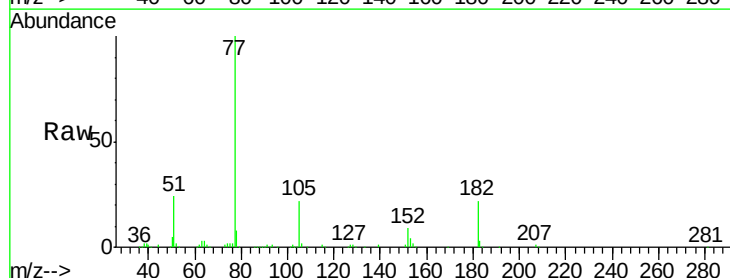
Ion Ratio Lower Upper

77 100

182 22.4 7.4 47.4

105 22.1 0.3 40.3

51 24.0 11.6 51.6

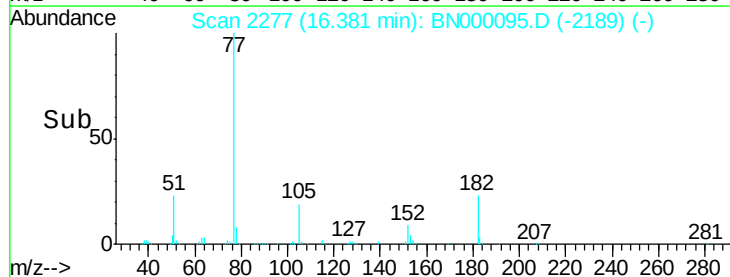
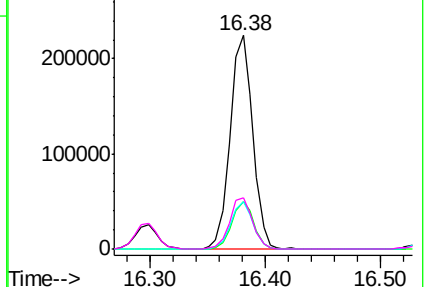


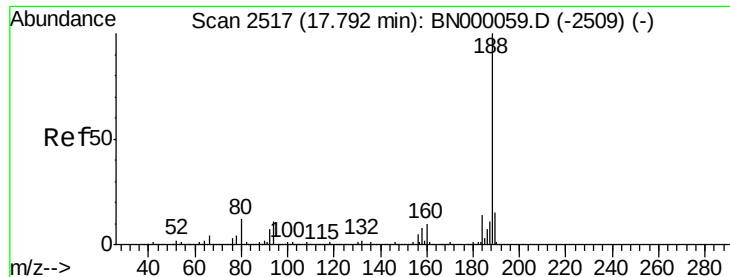
Abundance Ion 77.00 (76.70 to 77.70): BNC

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# 2517

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

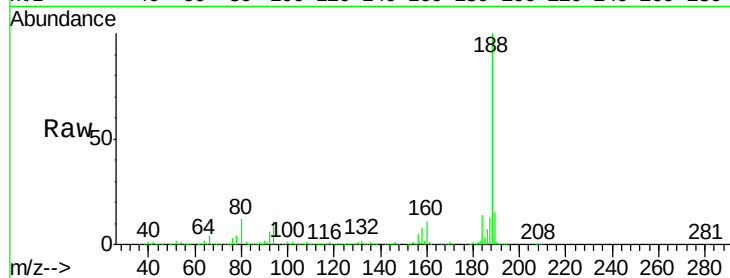
Tot Ion:188 Resp: 2083957

Ion Ratio Lower Upper

188 100

94 11.3 6.9 10.3#

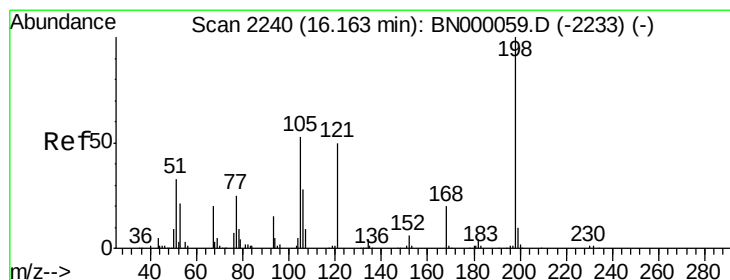
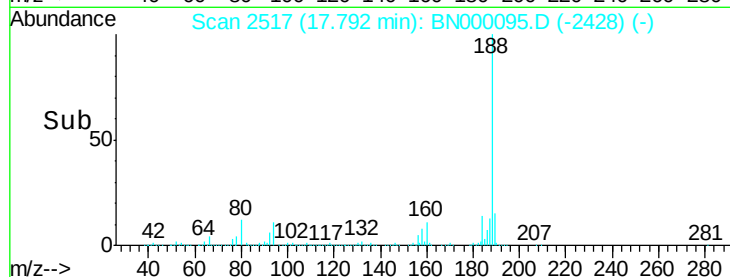
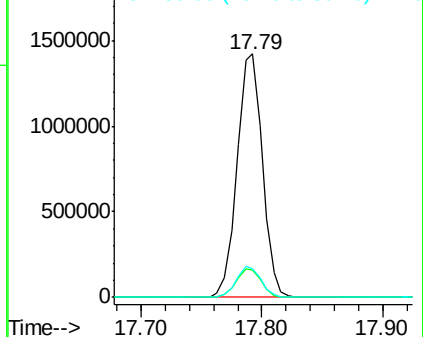
80 12.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#64

4,6-Dinitro-2-methylphenol

Concen: 10.365 ng

RT: 16.16 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

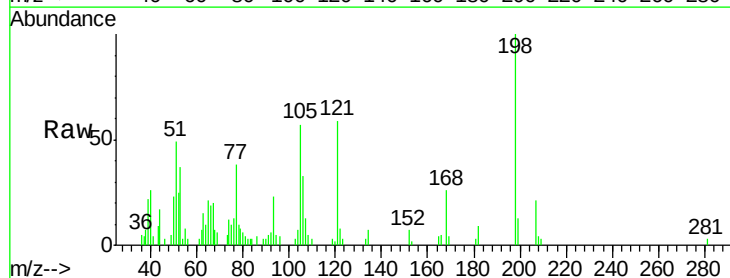
Tgt Ion:198 Resp: 19984

Ion Ratio Lower Upper

198 100

51 48.5 30.6 70.6

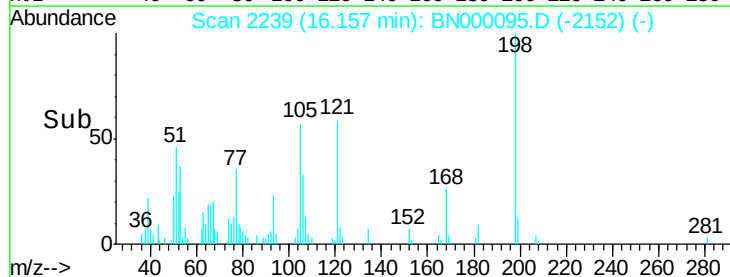
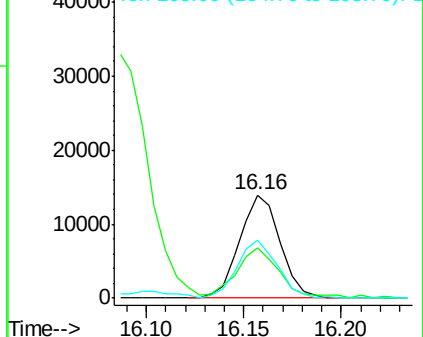
105 56.8 23.8 63.8

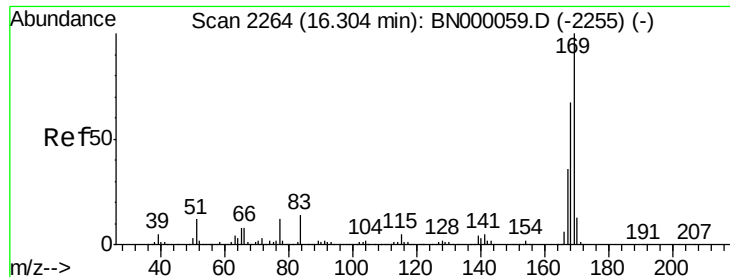


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

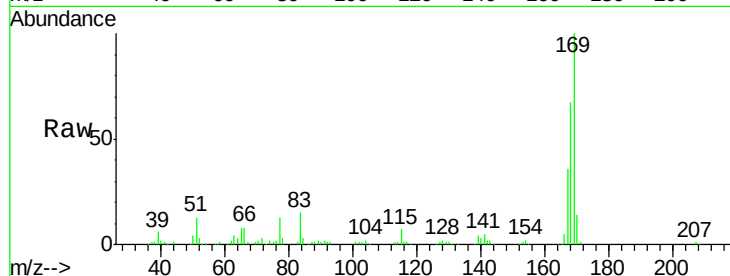




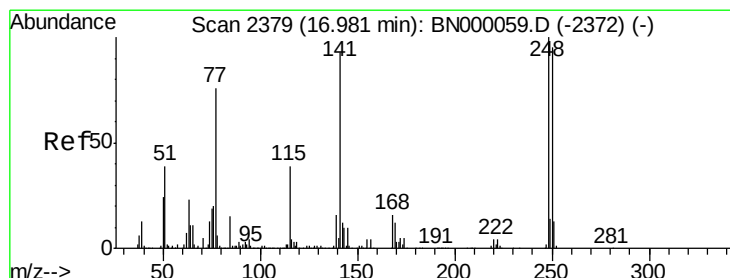
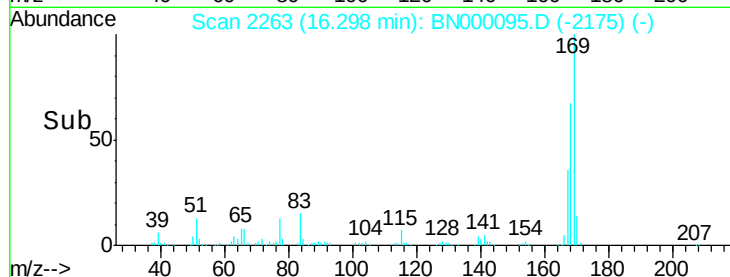
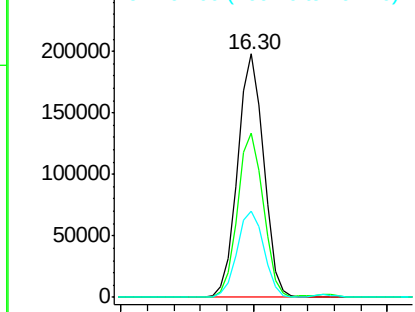
#65
n-Nitrosodiphenylamine
Concen: 3.959 ng
RT: 16.30 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion:169 Resp: 268473
Ion Ratio Lower Upper
169 100
168 67.2 55.7 83.5
167 35.6 30.1 45.1

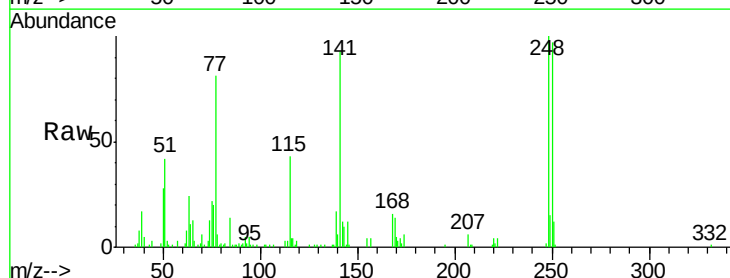


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

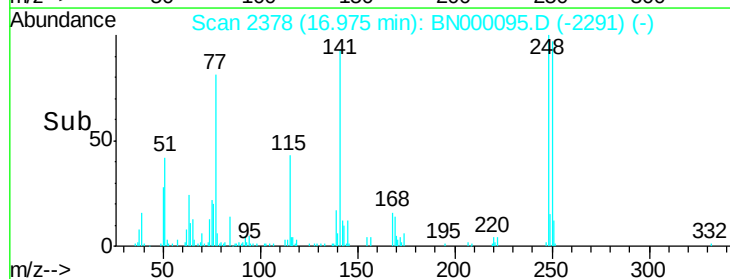
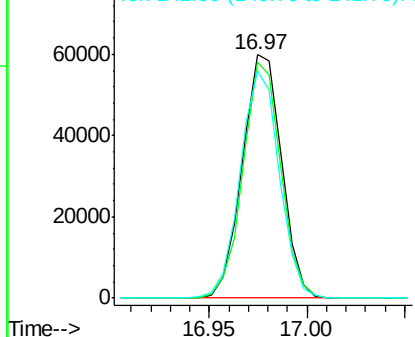


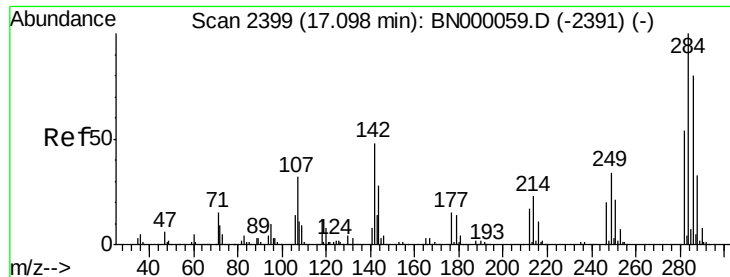
#66
4-Bromophenyl-phenylether
Concen: 4.197 ng
RT: 16.97 min Scan# 2378
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:248 Resp: 83165
Ion Ratio Lower Upper
248 100
250 96.9 77.1 115.7
141 93.1 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: 4.361 ng

RT: 17.09 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

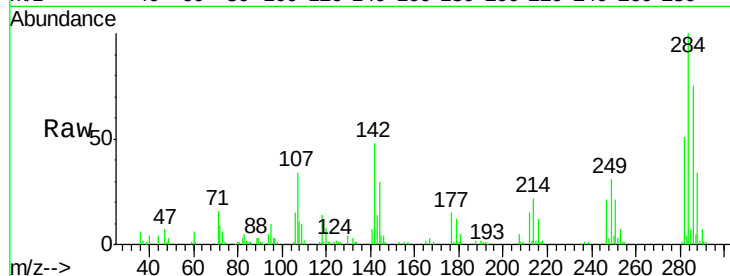
Tot Ion:284 Resp: 100919

Ion Ratio Lower Upper

284 100

142 47.6 26.8 40.2#

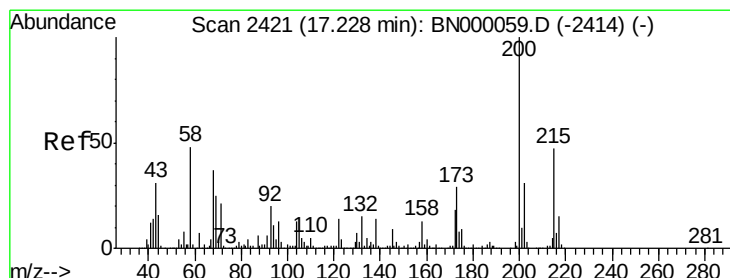
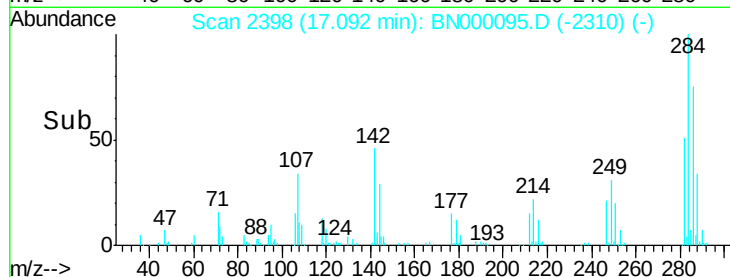
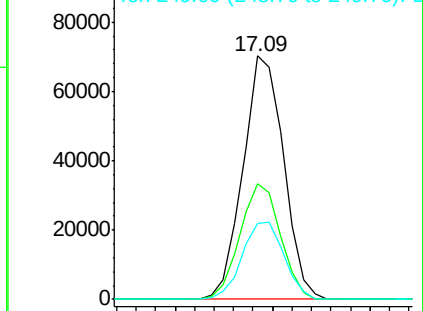
249 31.3 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 2.943 ng

RT: 17.22 min Scan# 2420

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

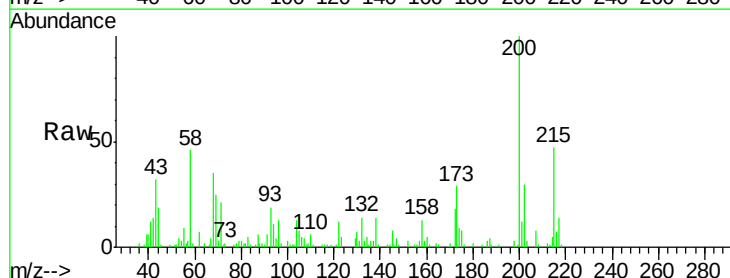
Tgt Ion:200 Resp: 64949

Ion Ratio Lower Upper

200 100

173 28.8 5.2 45.2

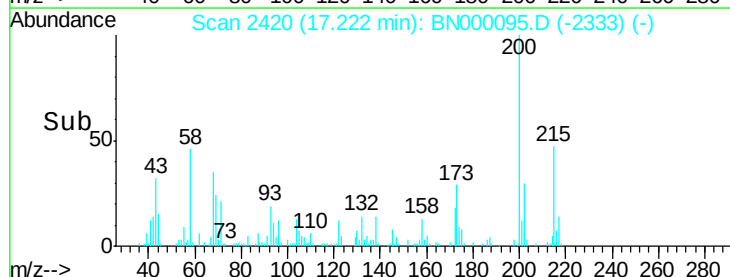
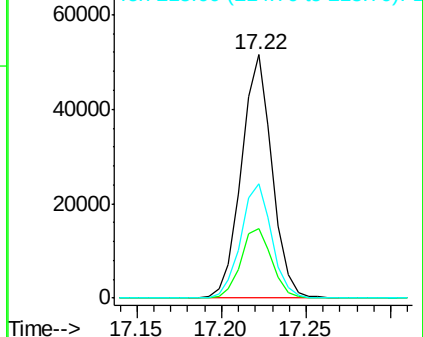
215 46.8 30.4 70.4

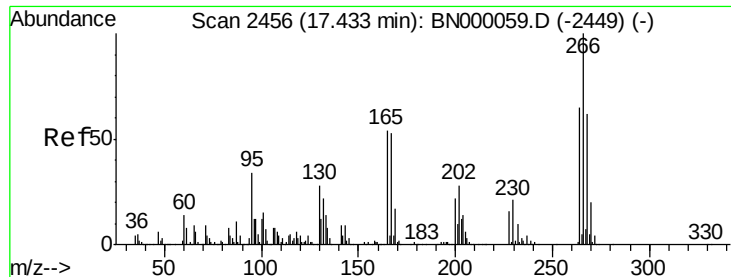


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

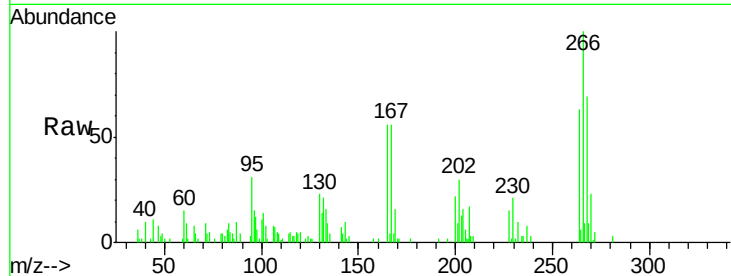




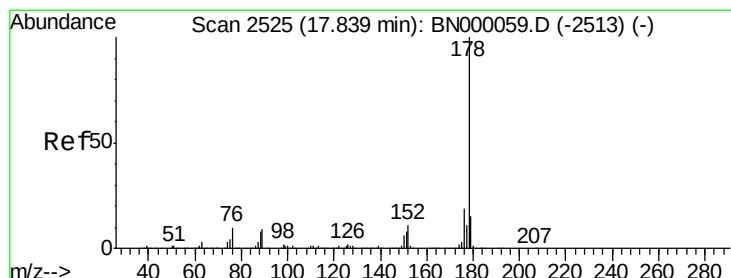
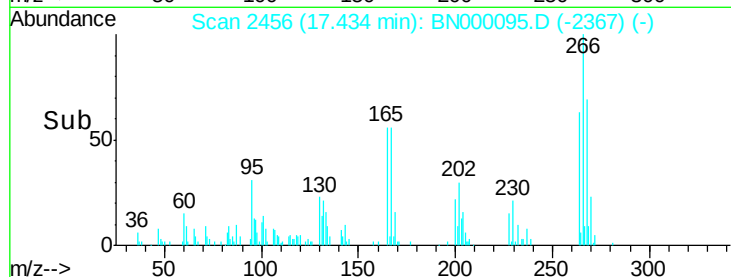
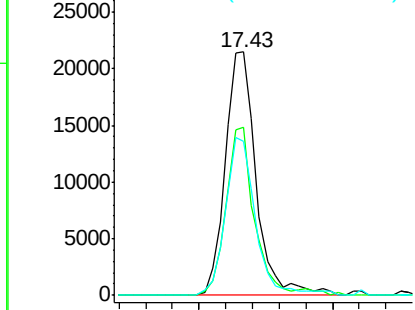
#69
 Pentachlorophenol
 Concen: 7.864 ng
 RT: 17.43 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	69.2	51.1	76.7
264	63.2	49.6	74.4

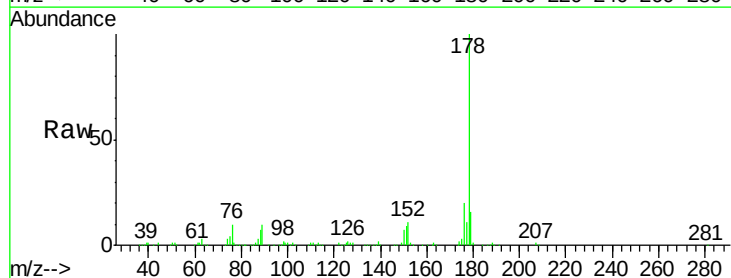


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

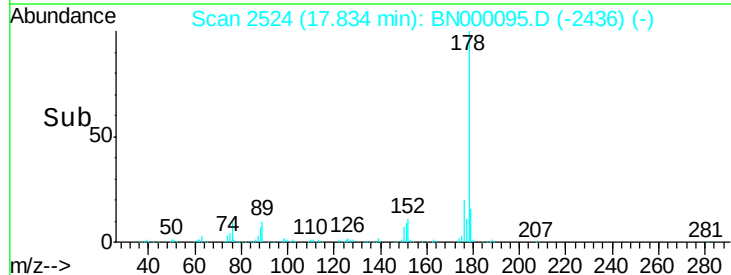
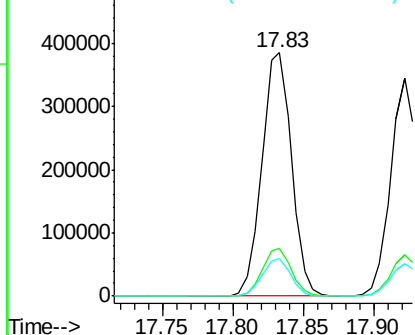


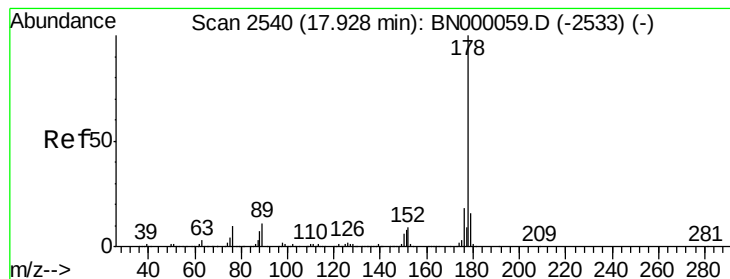
#70
 Phenanthrene
 Concen: 4.623 ng
 RT: 17.83 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.7	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: 4.114 ng

RT: 17.92 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

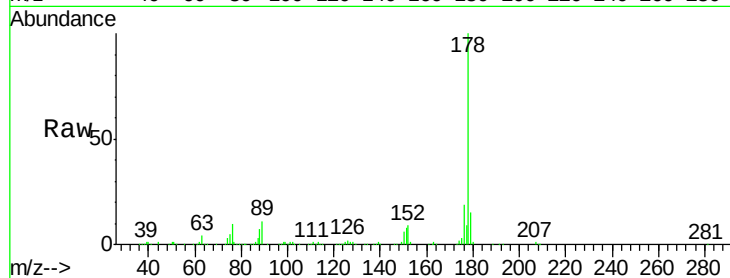
Tot Ion:178 Resp: 490381

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

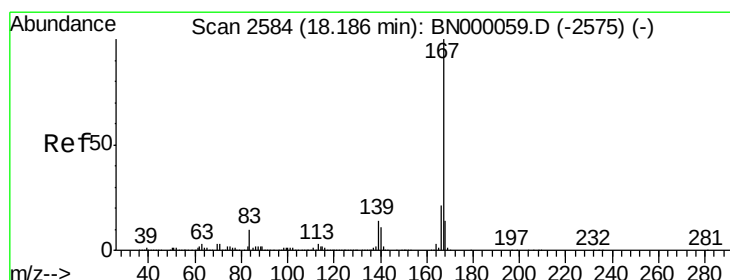
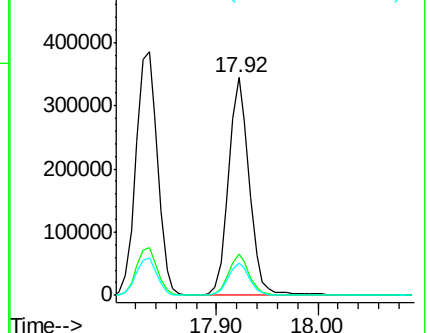
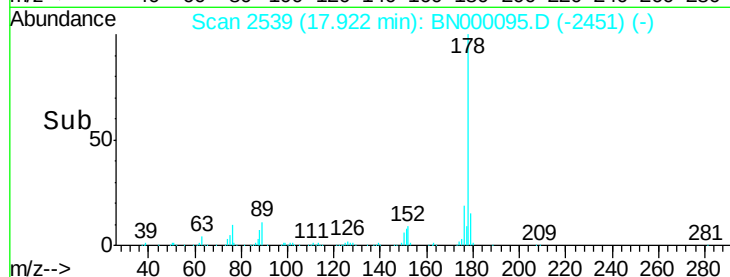
179 14.9 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.132 ng

RT: 18.18 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

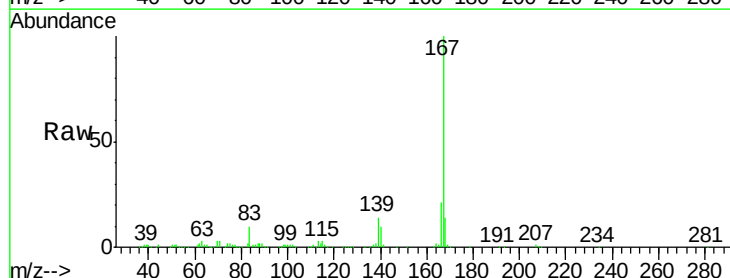
Tgt Ion:167 Resp: 496122

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.4

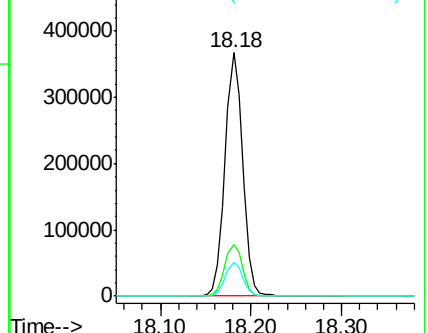
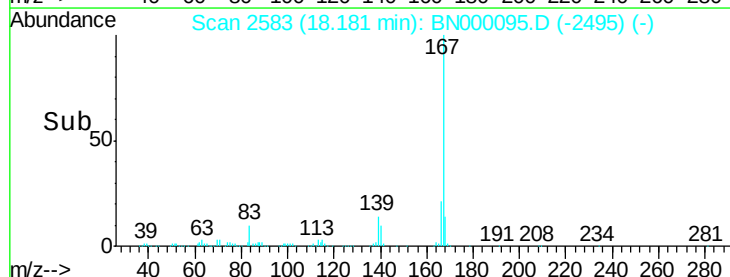
139 13.9 9.4 14.2

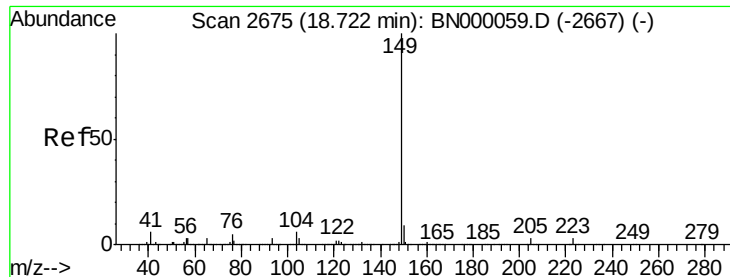


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.977 ng

RT: 18.72 min Scan# 2674

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

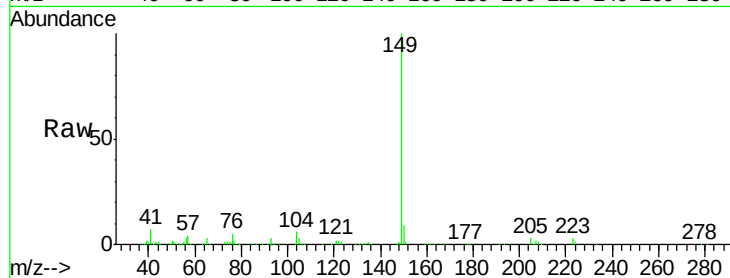
Tot Ion:149 Resp: 394625

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

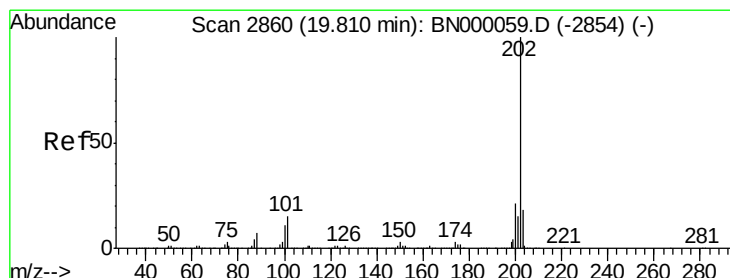
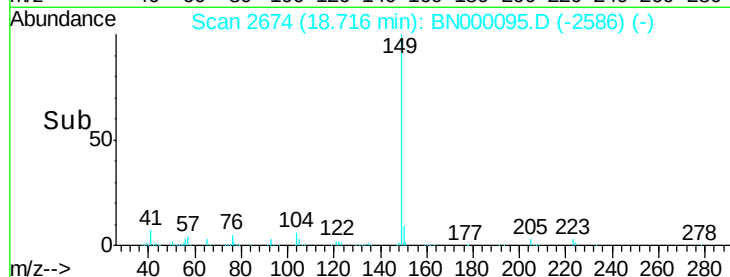
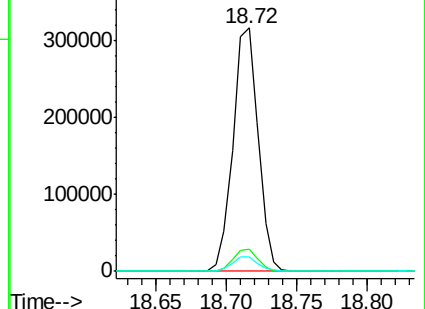
104 6.0 3.9 5.9#



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: 4.288 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

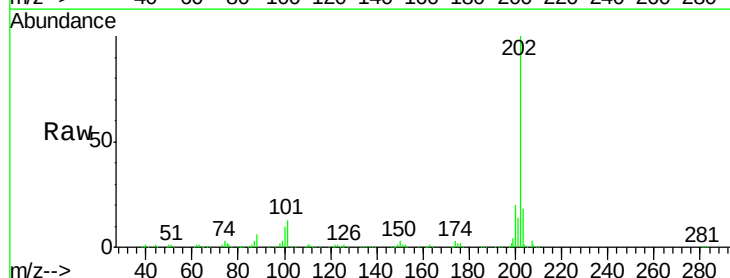
Tgt Ion:202 Resp: 553731

Ion Ratio Lower Upper

202 100

101 12.9 0.0 28.9

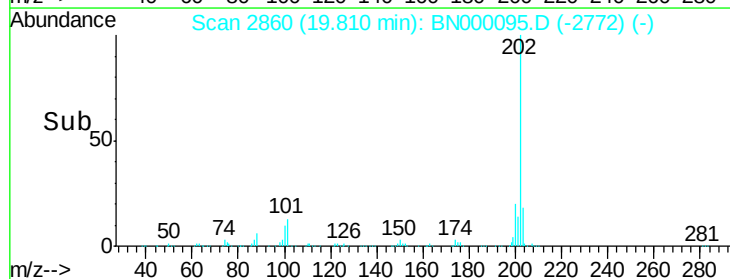
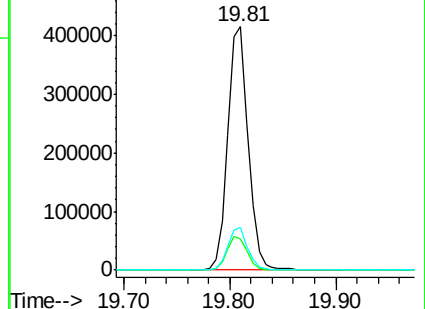
203 17.6 0.0 37.5

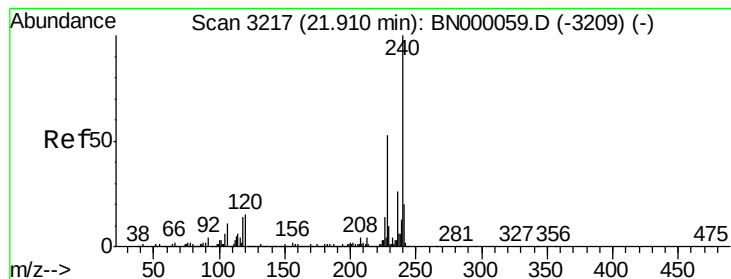


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

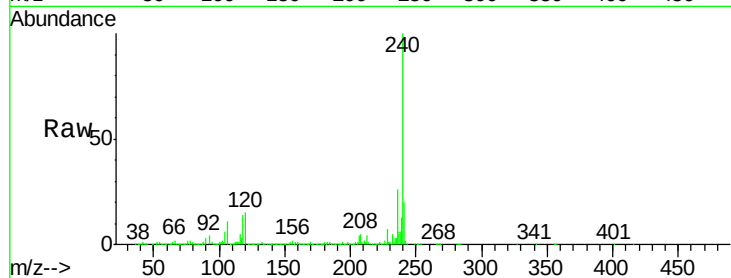
Tot Ion:240 Resp: 2350197

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

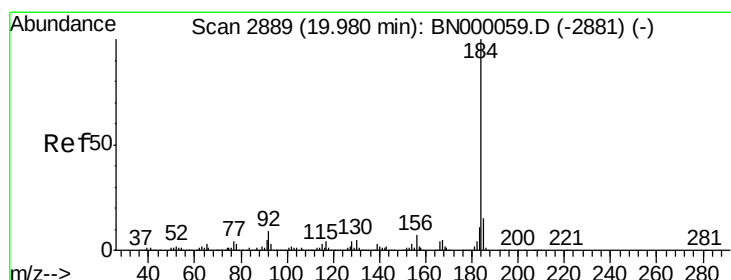
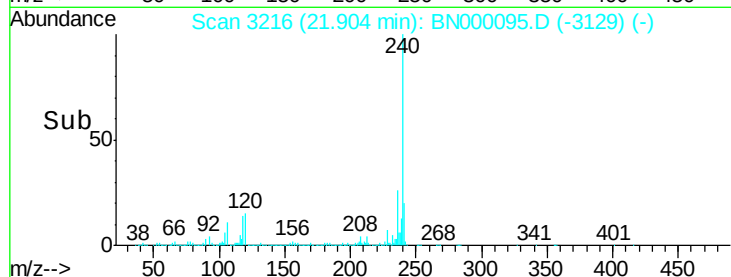
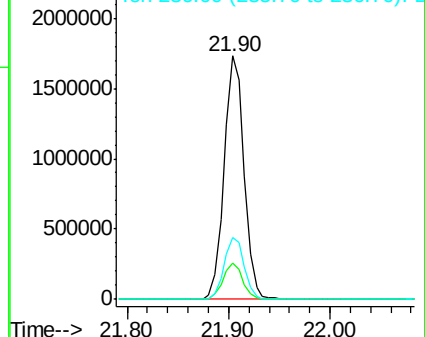
236 25.6 20.9 31.3



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: 1.551 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

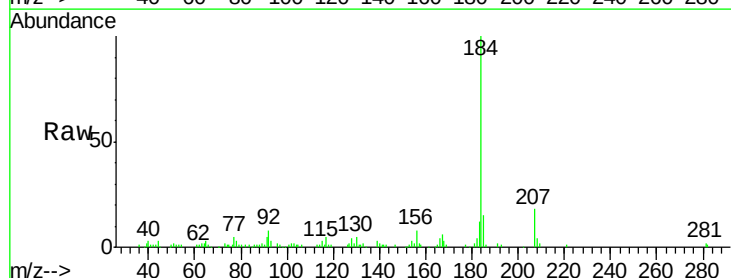
Tgt Ion:184 Resp: 116181

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

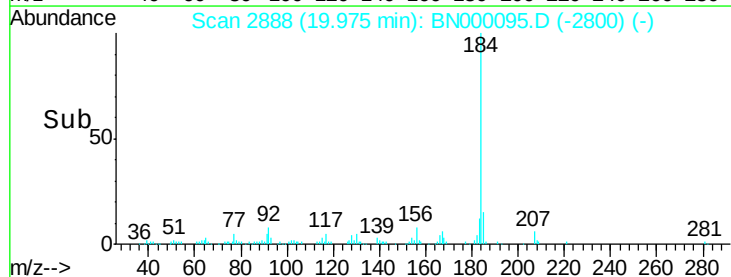
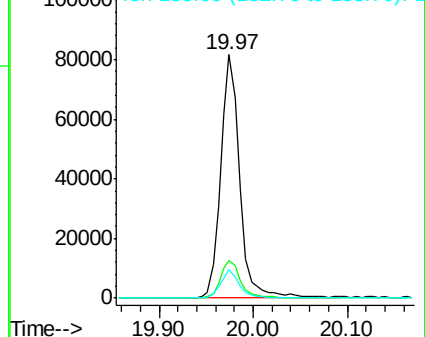
183 11.5 10.6 16.0

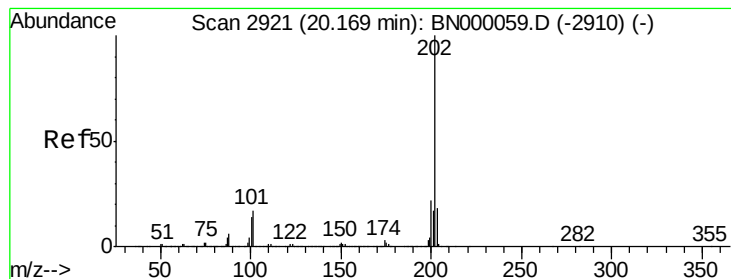


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 4.178 ng

RT: 20.16 min Scan# 2920

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

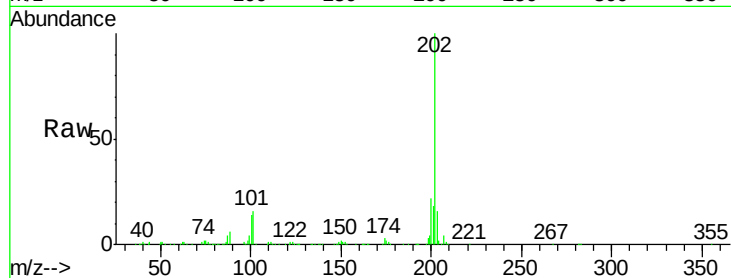
Tot Ion:202 Resp: 624040

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

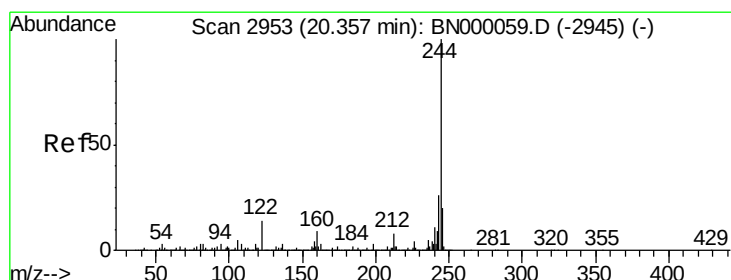
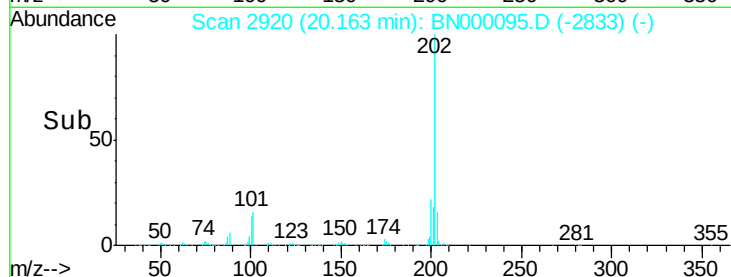
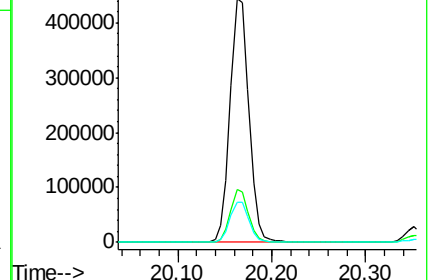
203 16.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 98.181 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

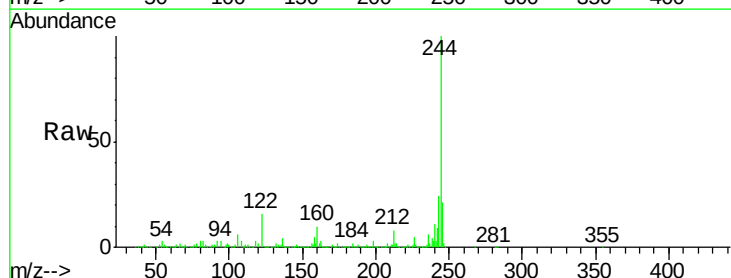
Tgt Ion:244 Resp: 8545648

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

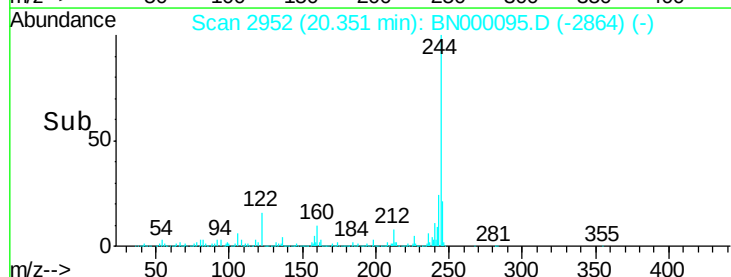
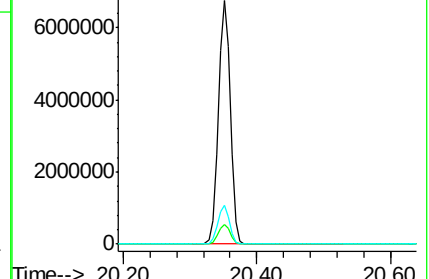
122 15.9 7.0 10.4#

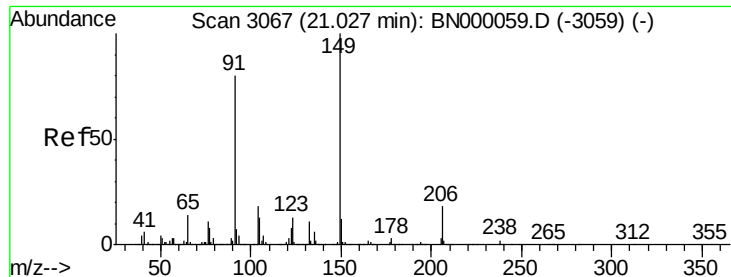


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

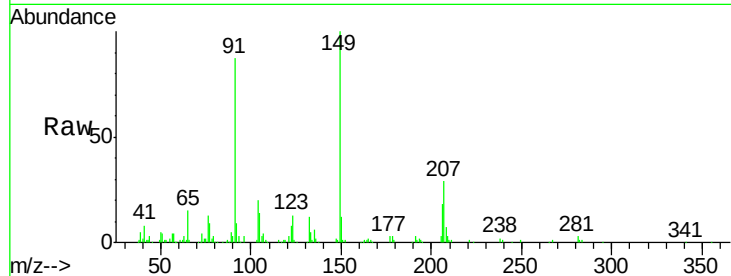




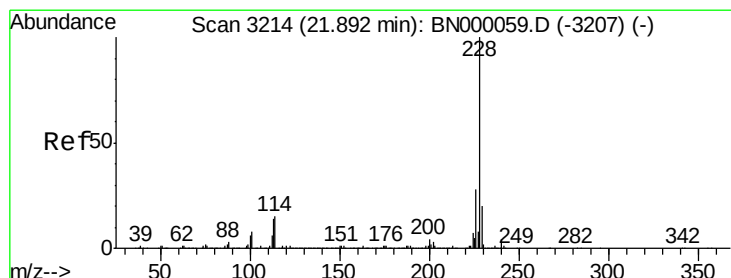
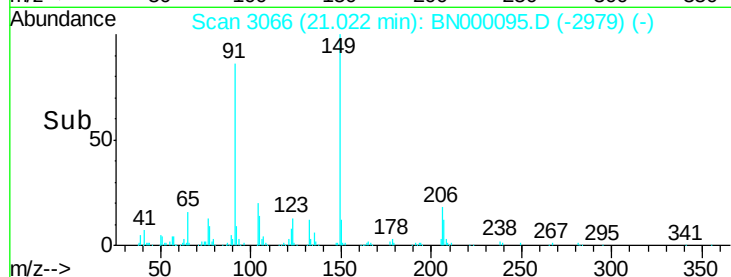
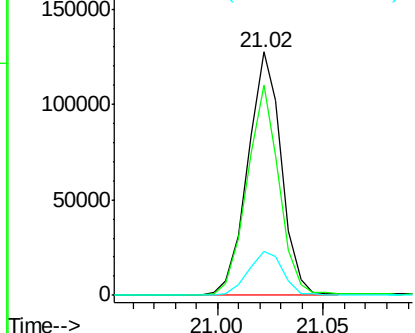
#79
Butylbenzylphthalate
Concen: 7.126 ng
RT: 21.02 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion:149 Resp: 139634
Ion Ratio Lower Upper
149 100
91 86.5 62.2 93.2
206 17.9 18.6 27.8#

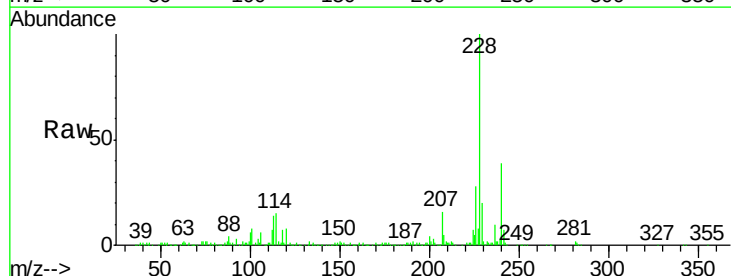


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNO
Ion 206.00 (205.70 to 206.70): E

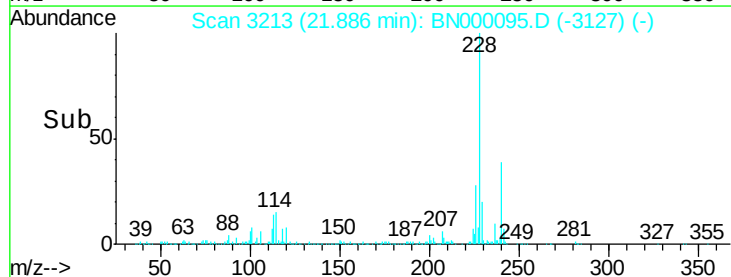
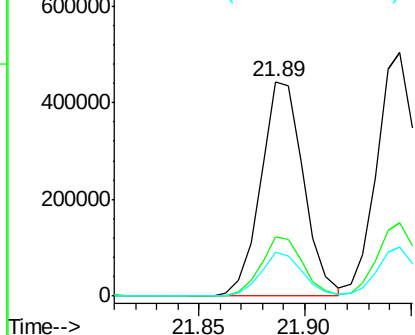


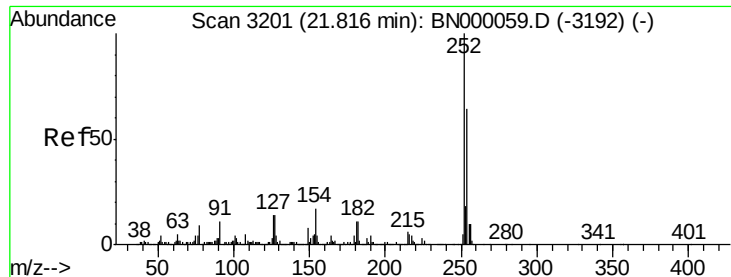
#80
Benzo(a)anthracene
Concen: 4.311 ng
RT: 21.89 min Scan# 3213
Delta R.T. -0.02 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion:228 Resp: 622759
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 20.2 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

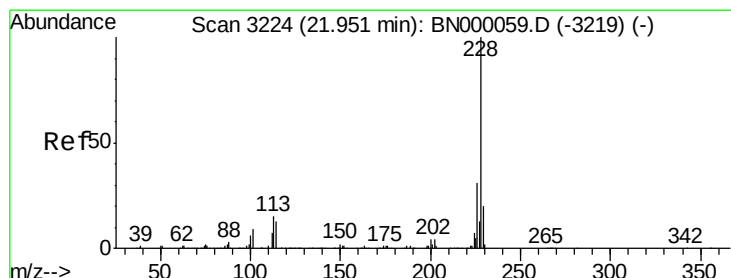
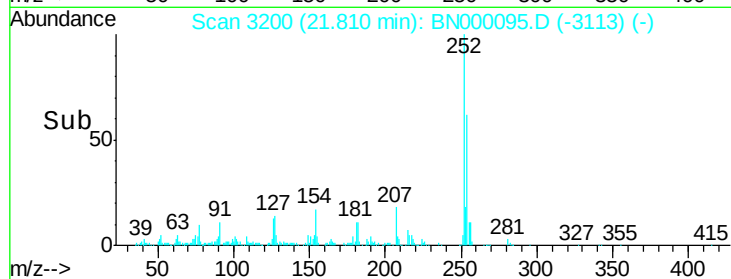
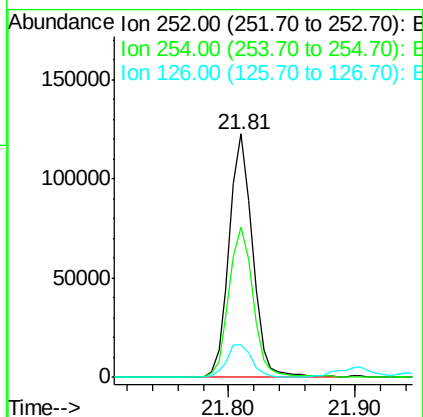
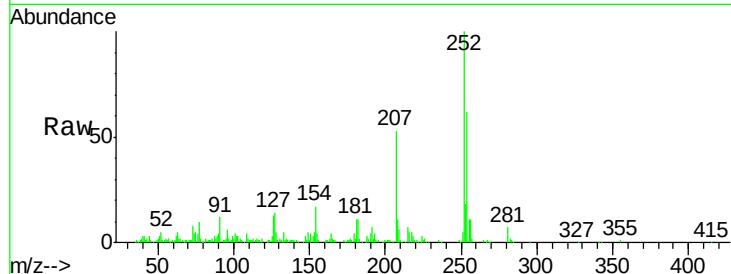




#81
 3,3'-Dichlorobenzidine
 Concen: 2.971 ng
 RT: 21.81 min Scan# 3200
 Delta R.T. -0.02 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

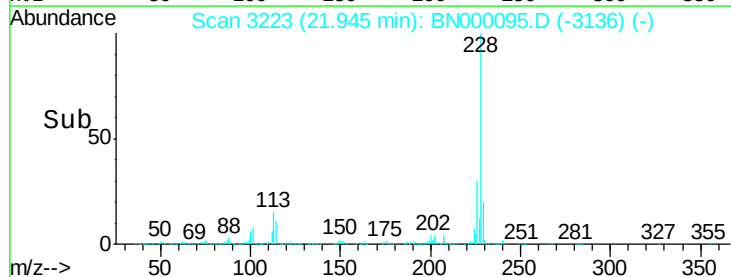
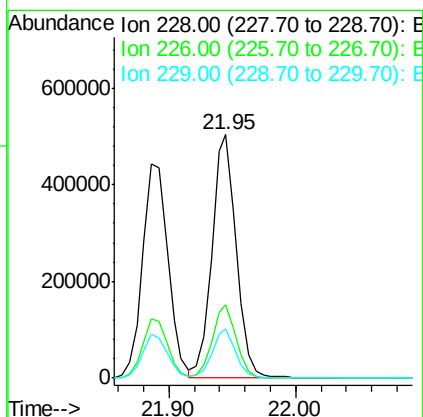
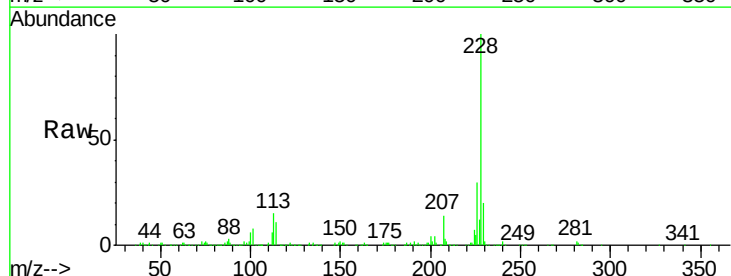
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

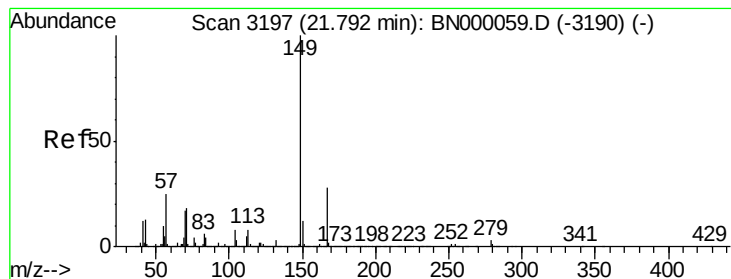
Tot Ion:252 Resp: 157660
 Ion Ratio Lower Upper
 252 100
 254 61.8 50.8 76.2
 126 13.3 7.4 11.2#



#82
 Chrysene
 Concen: 4.666 ng
 RT: 21.95 min Scan# 3223
 Delta R.T. -0.02 min
 Lab File: BN000095.D
 Acq: 15 Feb 2018 14:07

Tgt Ion:228 Resp: 671733
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.9 37.3
 229 20.1 15.0 22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.924 ng

RT: 21.79 min Scan# 3196

Delta R.T. -0.02 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

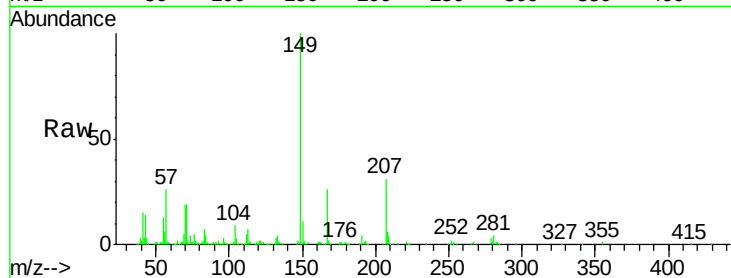
Tot Ion:149 Resp: 226216

Ion Ratio Lower Upper

149 100

167 26.3 24.3 36.5

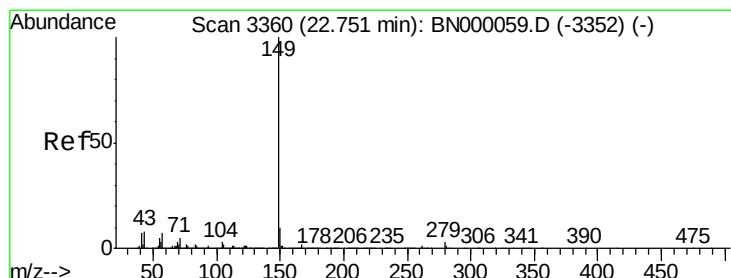
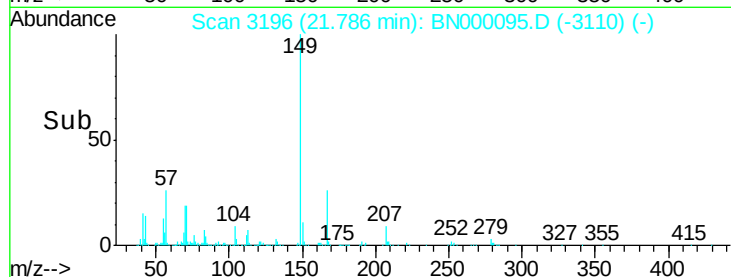
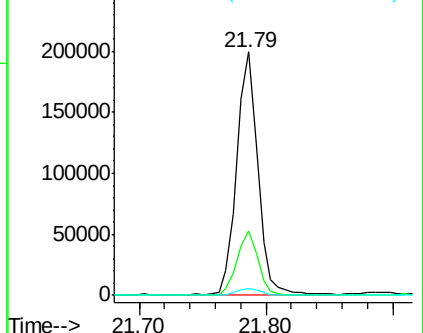
279 3.0 4.0 6.0#



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: 8.073 ng

RT: 22.74 min Scan# 3358

Delta R.T. -0.03 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

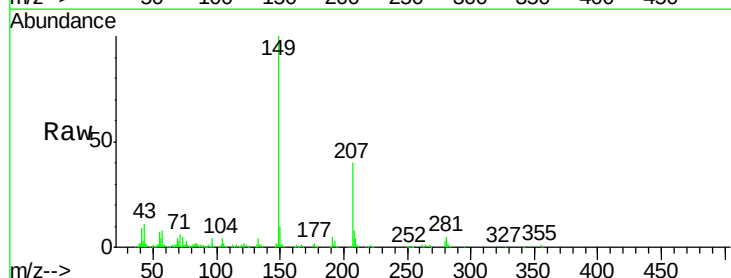
Tgt Ion:149 Resp: 314101

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

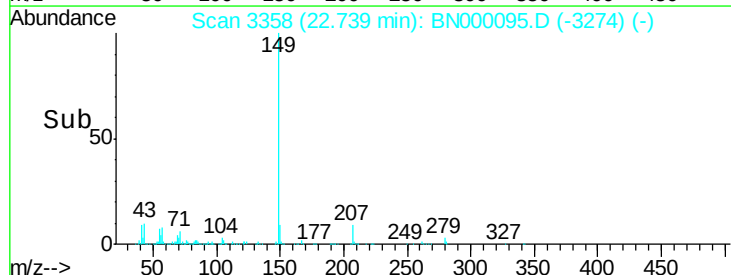
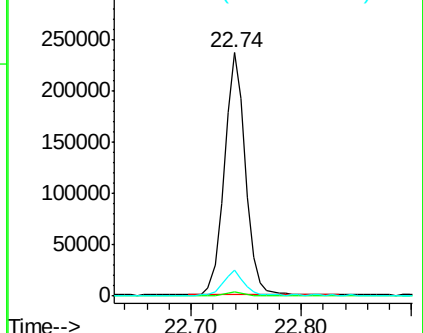
43 10.6 8.9 13.3

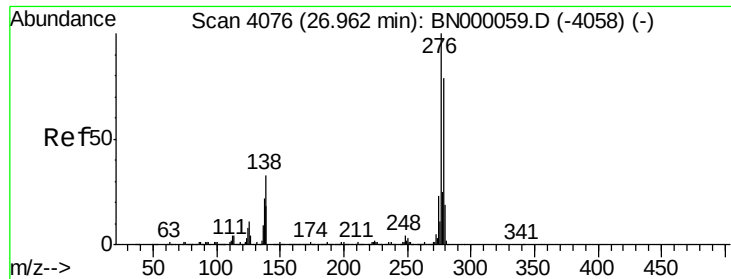


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC

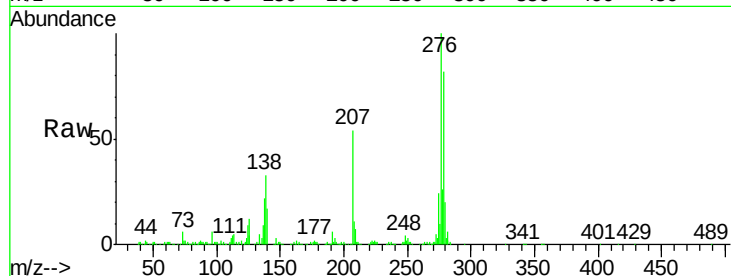




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.168 ng
RT: 26.94 min Scan# 4073
Delta R.T. -0.05 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.9	16.0	24.0
277	25.6	20.0	30.0

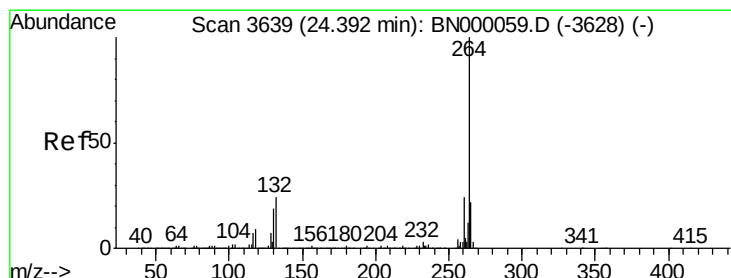
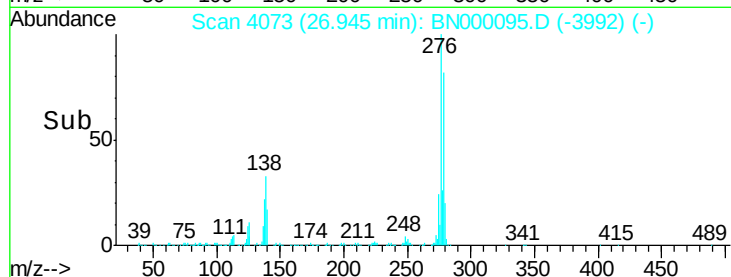
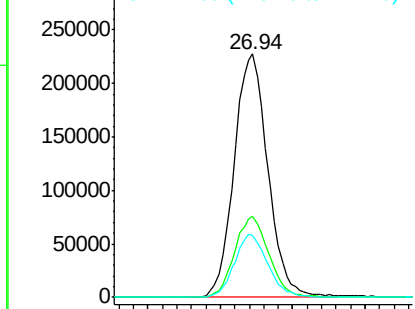


Abundance

Ion 276.00 (275.70 to 276.70): E

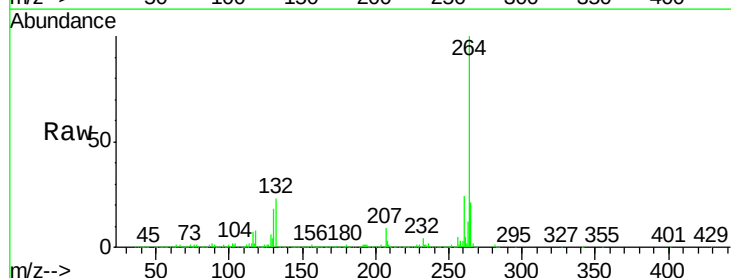
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.1	17.7	26.5

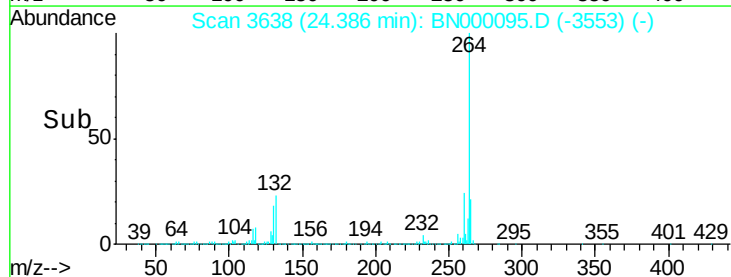
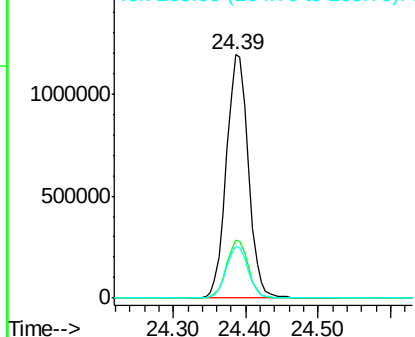


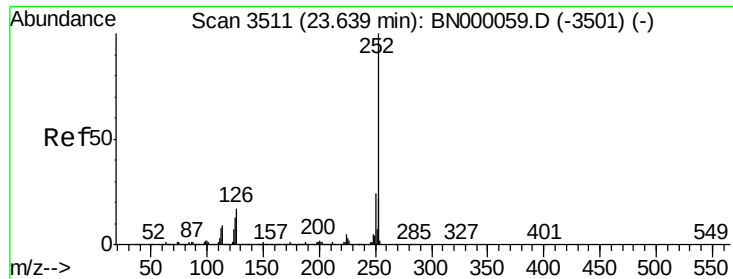
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

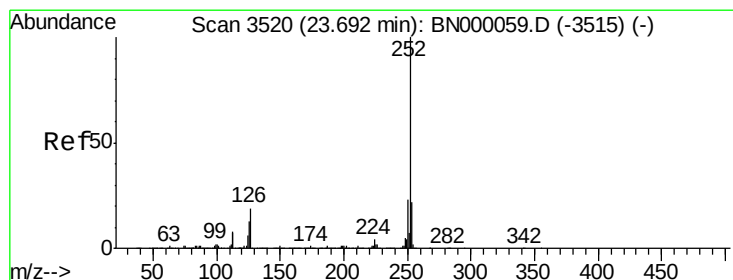
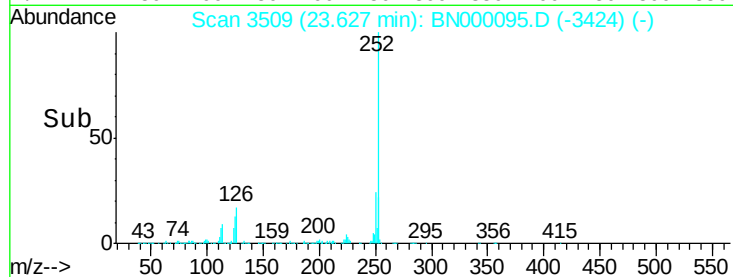
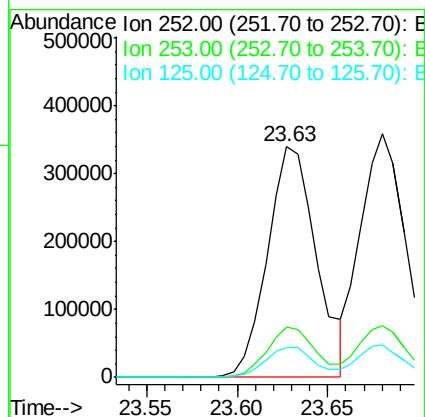
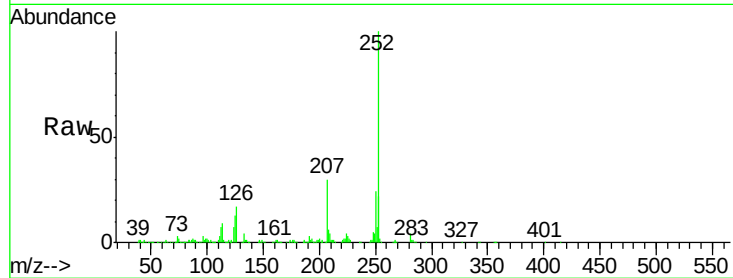




#87
Benzo(b)fluoranthene
Concen: 4.330 ng
RT: 23.63 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

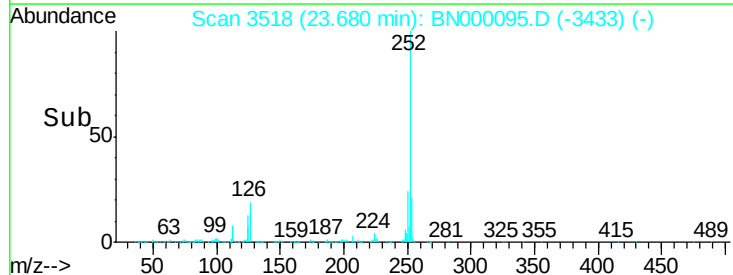
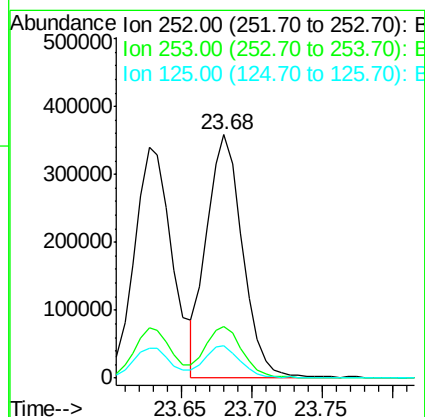
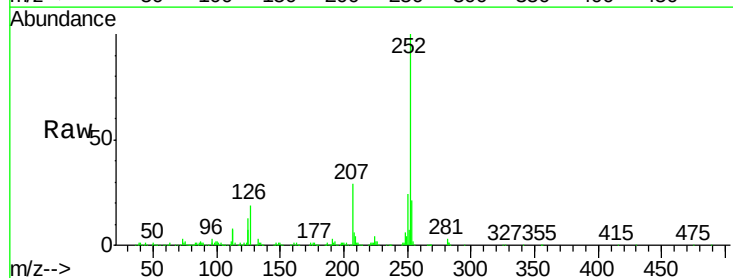
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

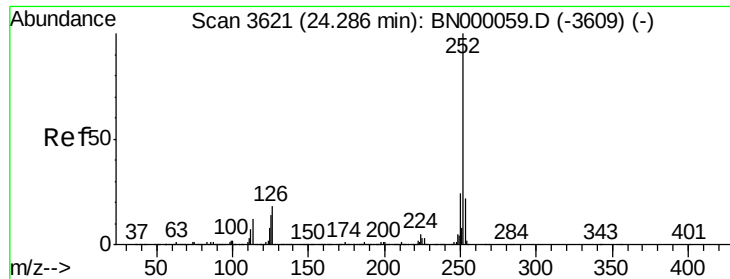
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.9	7.2	10.8



#88
Benzo(k)fluoranthene
Concen: 4.228 ng
RT: 23.68 min Scan# 3518
Delta R.T. -0.03 min
Lab File: BN000095.D
Acq: 15 Feb 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	13.2	6.6	9.8





#89

Benzo(a)pyrene

Concen: 4.042 ng

RT: 24.28 min Scan# 3620

Delta R.T. -0.03 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

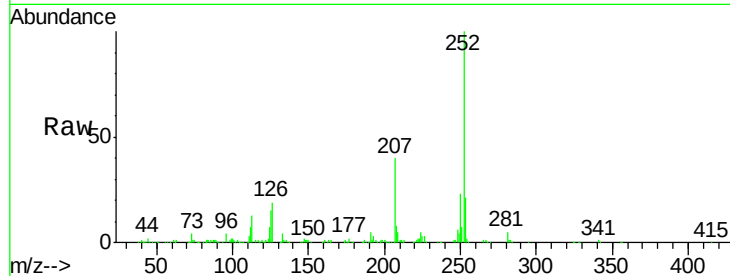
Tot Ion:252 Resp: 571790

Ion Ratio Lower Upper

252 100

253 21.0 18.3 27.5

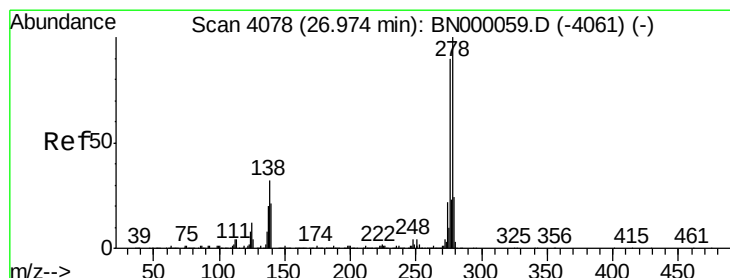
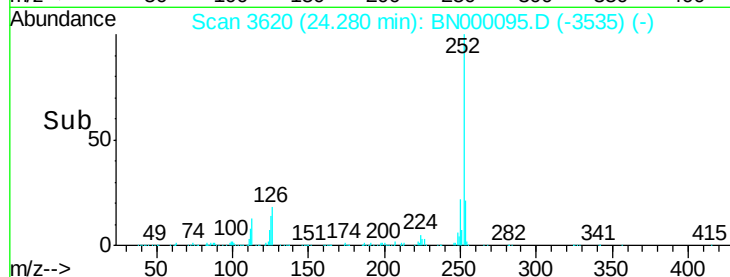
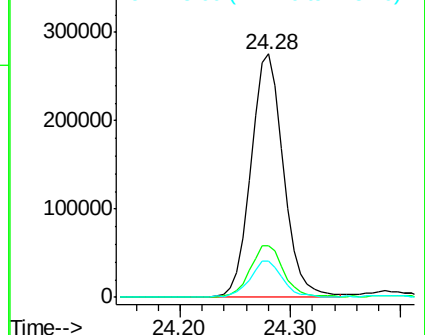
125 14.7 7.3 10.9#



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: 4.191 ng

RT: 26.95 min Scan# 4074

Delta R.T. -0.06 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

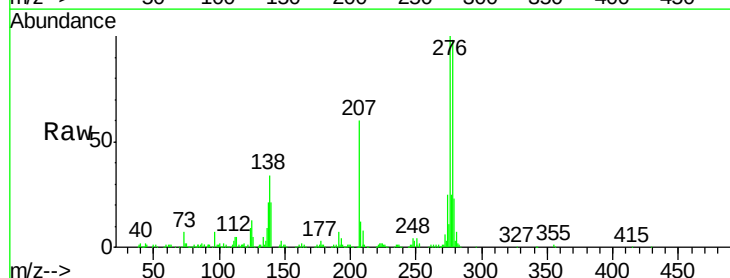
Tgt Ion:278 Resp: 619966

Ion Ratio Lower Upper

278 100

139 21.3 9.8 14.6#

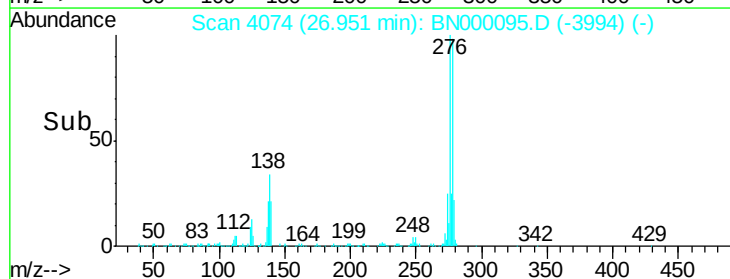
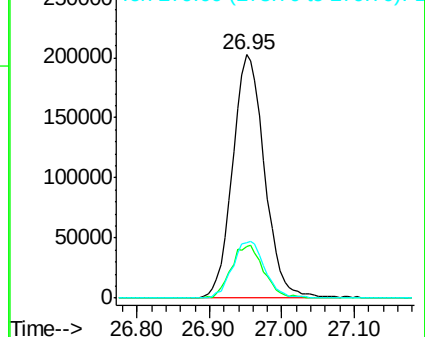
279 23.0 18.4 27.6

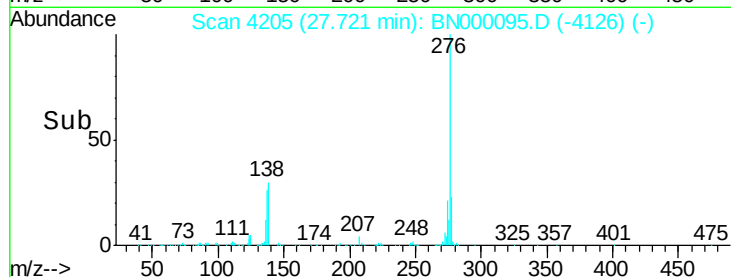
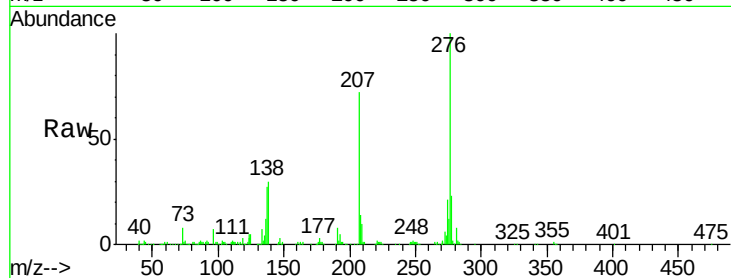
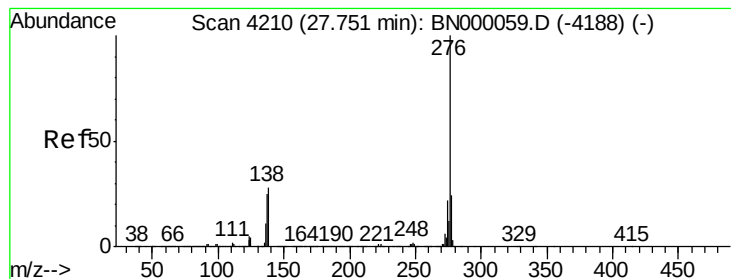


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.082 ng

RT: 27.72 min Scan# 4205

Delta R.T. -0.06 min

Lab File: BN000095.D

Acq: 15 Feb 2018 14:07

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:276 Resp: 610520

Ion Ratio Lower Upper

276 100

277 22.9 18.3 27.5

138 30.1 13.9 20.9#

