

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000093.D
 Acq On : 15 Feb 2018 12:58
 Operator : JU/SJ
 Sample : J1161-03
 Misc : 1 PPM MDL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 16 09:54:42 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	281583	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1404742	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	854768	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	1974549	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2223634	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2394566	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.93	112	2331519	134.95	ng	-0.01
7) Phenol-d6	7.58	99	3352083	128.08	ng	-0.01
23) Nitrobenzene-d5	9.64	82	2255064	95.45	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1091645	129.02	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	6011898	99.13	ng	-0.01
78) Terphenyl-d14	20.35	244	8071330	98.01	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	6846	0.985	ng	# 82
3) Pyridine	4.22	79	13592m	0.628	ng	
4) n-Nitrosodimethylamine	4.02	42	4220	0.690	ng	# 69
6) Aniline	7.77	93	28846	0.800	ng	# 89
8) 2-Chlorophenol	8.01	128	20004	0.990	ng	97
9) Benzaldehyde	7.58	77	15060	0.925	ng	# 69
10) Phenol	7.61	94	26590	0.962	ng	88
11) bis(2-Chloroethyl)ether	7.86	93	22641	0.996	ng	# 78
12) 1,3-Dichlorobenzene	8.35	146	22061	0.961	ng	86
13) 1,4-Dichlorobenzene	8.50	146	23185	0.989	ng	95
14) 1,2-Dichlorobenzene	8.82	146	24084	1.044	ng	87
15) Benzyl Alcohol	8.69	79	14398	0.765	ng	# 89
16) 2,2'-oxybis(1-Chloropropan	8.99	45	22893	0.952	ng	68
17) 2-Methylphenol	8.89	107	14412	0.734	ng	98
18) Hexachloroethane	9.57	117	7396	0.906	ng	# 65
19) n-Nitroso-di-n-propylamine	9.26	70	11573	0.660	ng	# 90
20) 3+4-Methylphenols	9.21	107	17563	0.640	ng	96
22) Acetophenone	9.29	105	29813	0.757	ng	# 87
24) Nitrobenzene	9.68	77	26351	1.020	ng	95
25) Isophorone	10.20	82	34327	0.703	ng	95
26) 2-Nitrophenol	10.40	139	4806	7.579	ng	89
27) 2,4-Dimethylphenol	10.44	122	12934	0.611	ng	94
28) bis(2-Chloroethoxy)methane	10.68	93	25427	0.812	ng	99
29) 2,4-Dichlorophenol	10.93	162	9813	0.501	ng	92
30) 1,2,4-Trichlorobenzene	11.16	180	21514	0.953	ng	# 96
31) Naphthalene	11.35	128	75702	0.983	ng	97
32) Benzoic acid	10.49	122	363m	10.561	ng	
33) 4-Chloroaniline	11.45	127	23086	0.682	ng	98
34) Hexachlorobutadiene	11.63	225	10694	0.914	ng	# 73
35) Caprolactam	12.17	113	3274	4.369	ng	# 85
36) 4-Chloro-3-methylphenol	12.53	107	12829	0.516	ng	98
37) 2-Methylnaphthalene	12.93	142	46864	0.875	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	23090	0.915	ng	# 93
40) Hexachlorocyclopentadiene	13.26	237	6995	0.665	ng	84

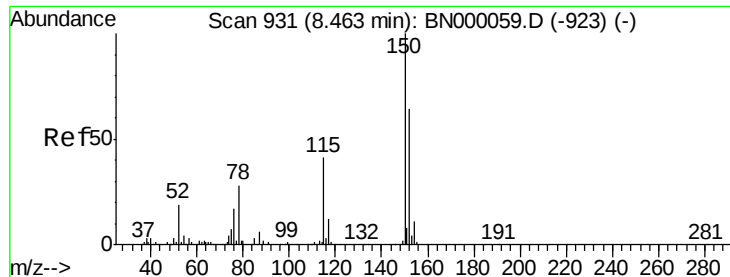
Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000093.D
 Acq On : 15 Feb 2018 12:58
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	6684	0.442	nq	97
43) 2,4,5-Trichlorophenol	13.58	196	8135	0.448	nq	88
45) 1,1'-Biphenyl	13.91	154	82838	1.100	nq	98
46) 2-Chloronaphthalene	13.96	162	53192	0.942	nq	97
47) 2-Nitroaniline	14.15	65	6673	5.240	nq	92
48) Acenaphthylene	14.80	152	61139	0.672	nq	97
49) Dimethylphthalate	14.50	163	53015	0.742	nq	# 96
50) 2,6-Dinitrotoluene	14.63	165	5263	0.357	nq	94
51) Acenaphthene	15.13	154	54866	0.926	nq	95
52) 3-Nitroaniline	14.96	138	6576	0.367	nq	92
53) 2,4-Dinitrophenol	15.16	184	1402	9.465	nq	# 60
54) Dibenzofuran	15.46	168	80782	0.963	nq	93
55) 4-Nitrophenol	15.23	139	3842	5.222	nq	86
56) 2,4-Dinitrotoluene	15.40	165	6371	4.458	nq	# 75
57) Fluorene	16.10	166	58264	0.851	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.67	232	6496	0.453	nq	# 87
59) Diethylphthalate	15.85	149	47679	0.657	nq	96
60) 4-Chlorophenyl-phenylether	16.09	204	29172	0.934	nq	# 85
61) 4-Nitroaniline	16.11	138	7463	0.405	nq	# 82
62) Azobenzene	16.38	77	41869	0.579	nq	90
64) 4,6-Dinitro-2-methylphenol	16.16	198	2443	8.921	nq	# 71
65) n-Nitrosodiphenylamine	16.30	169	42368	0.659	nq	95
66) 4-Bromophenyl-phenylether	16.97	248	16001	0.852	nq	# 87
67) Hexachlorobenzene	17.10	284	18791	0.857	nq	# 91
68) Atrazine	17.22	200	10314	0.493	nq	86
69) Pentachlorophenol	17.43	266	5402	6.162	nq	# 84
70) Phenanthrene	17.83	178	112210	0.962	nq	98
71) Anthracene	17.92	178	84161	0.745	nq	96
72) Carbazole	18.18	167	76925	0.676	nq	99
73) Di-n-butylphthalate	18.71	149	56223	0.448	nq	# 98
74) Fluoranthene	19.81	202	95130	0.777	nq	97
76) Benzidine	19.97	184	18171	0.256	nq	96
77) Pyrene	20.17	202	104702	0.741	nq	100
79) Butylbenzylphthalate	21.02	149	22869	5.679	nq	# 88
80) Benzo(a)anthracene	21.89	228	112453	0.823	nq	100
81) 3,3'-Dichlorobenzidine	21.81	252	19239	0.383	nq	# 94
82) Chrysene	21.95	228	132281	0.971	nq	98
83) Bis(2-ethylhexyl)phthalate	21.78	149	30181	3.188	nq	# 92
84) Di-n-octyl phthalate	22.74	149	45011	6.933	nq	# 98
85) Indeno(1,2,3-cd)pyrene	26.93	276	128048	0.765	nq	# 87
87) Benzo(b)fluoranthene	23.63	252	117579	0.839	nq	# 97
88) Benzo(k)fluoranthene	23.68	252	107352	0.760	nq	# 93
89) Benzo(a)pyrene	24.27	252	99583	0.741	nq	# 93
90) Dibenzo(a,h)anthracene	26.96	278	107454	0.764	nq	# 92
91) Benzo(g,h,i)perylene	27.72	276	109391	0.770	nq	# 85

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

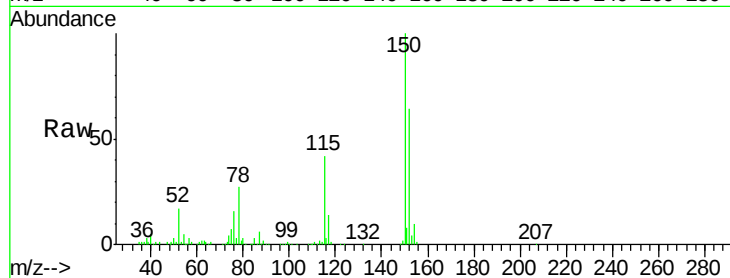


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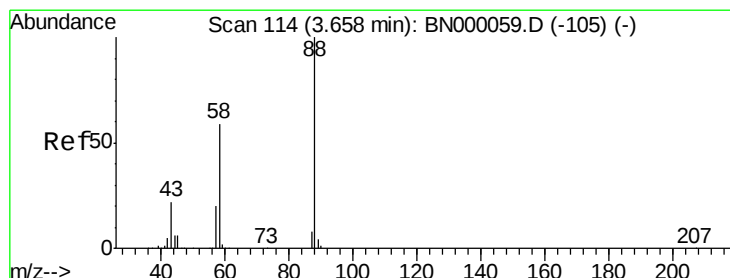
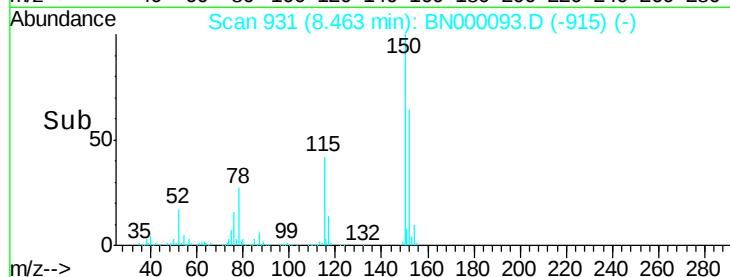
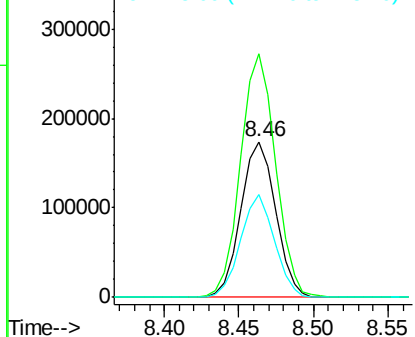
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

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

Tot Ion:152 Resp: 281583
Ion Ratio Lower Upper
152 100
150 156.5 126.6 189.8
115 66.0 53.0 79.4



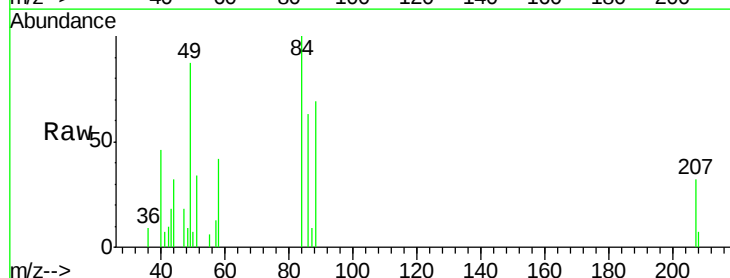
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



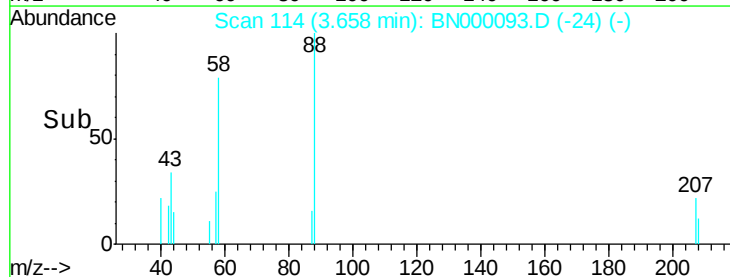
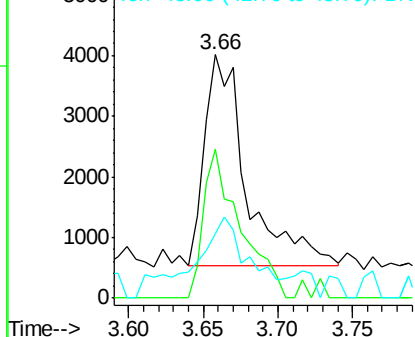
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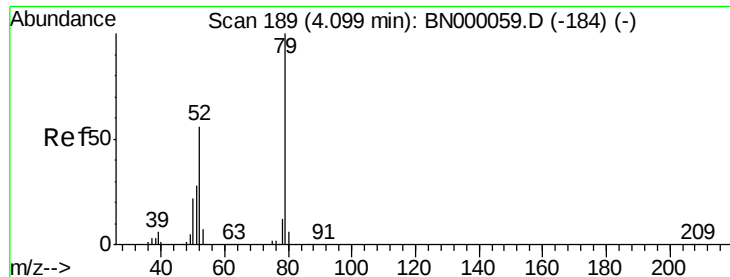
1,4-Dioxane
Concen: 0.985 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion: 88 Resp: 6846
Ion Ratio Lower Upper
88 100
58 61.1 52.0 78.0
43 51.7 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

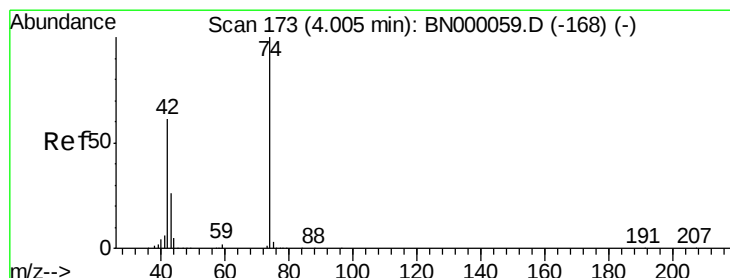
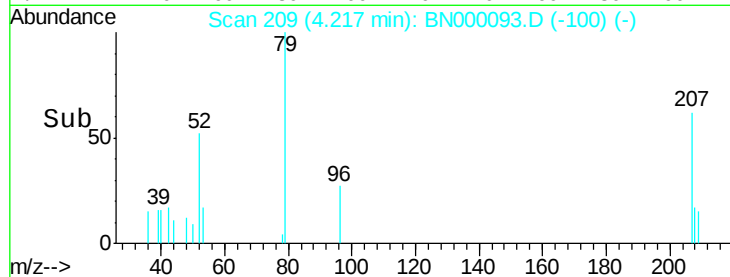
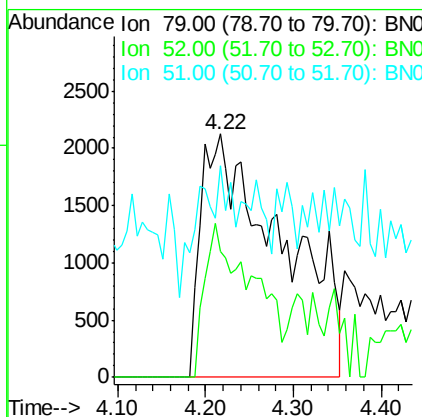
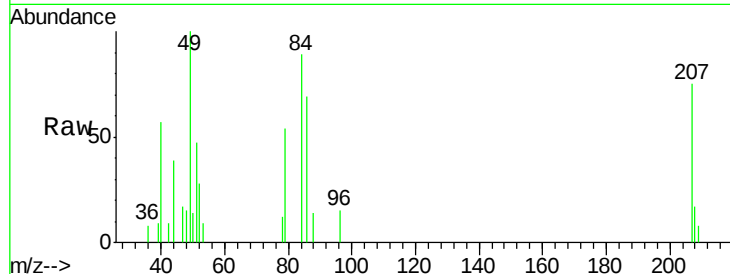




#3
 Pvridine
 Concen: 0.628 ng/ml
 RT: 4.22 min Scan# 209
 Delta R.T. 0.11 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

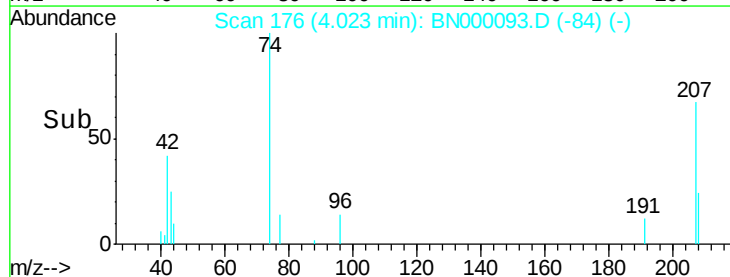
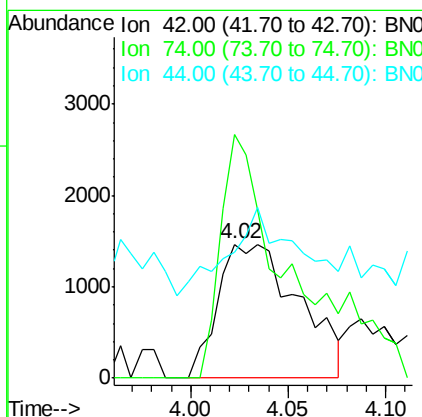
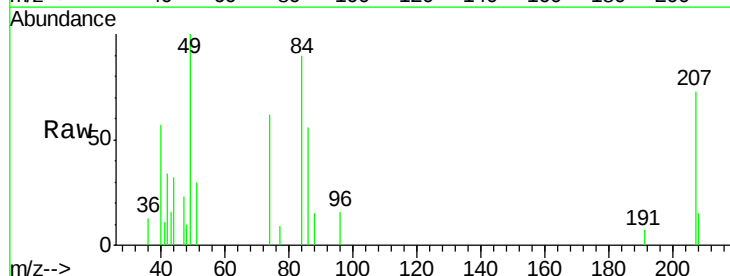
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

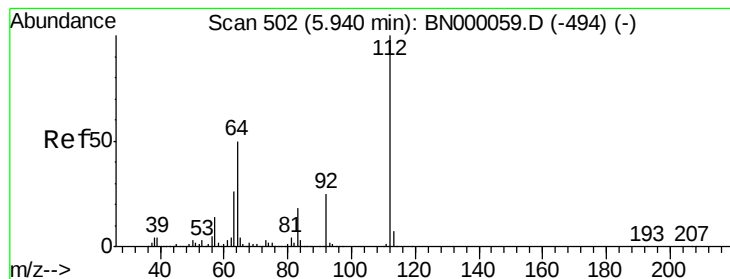
Tot Ion: 79 Resp: 13592
 Ion Ratio Lower Upper
 79 100
 52 51.7 44.0 66.0
 51 87.0 24.0 36.0#



#4
 n-Nitrosodimethylamine
 Concen: 0.690 ng/ml
 RT: 4.02 min Scan# 176
 Delta R.T. 0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion: 42 Resp: 4220
 Ion Ratio Lower Upper
 42 100
 74 181.6 128.0 192.0
 44 93.8 12.0 18.0#





#5

2-Fluorophenol

Concen: 134.945 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

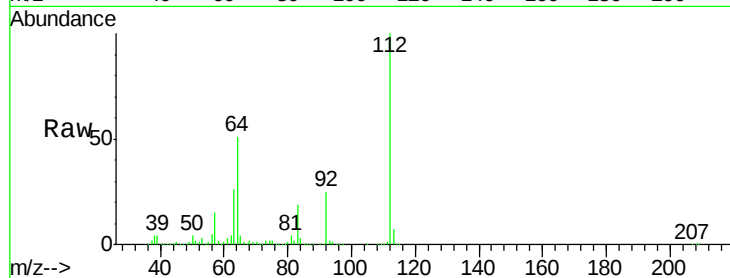
Tot Ion:112 Resp: 2331519

Ion Ratio Lower Upper

112 100

64 50.9 56.3 84.5#

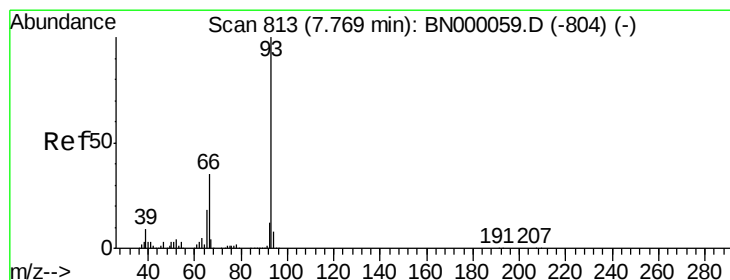
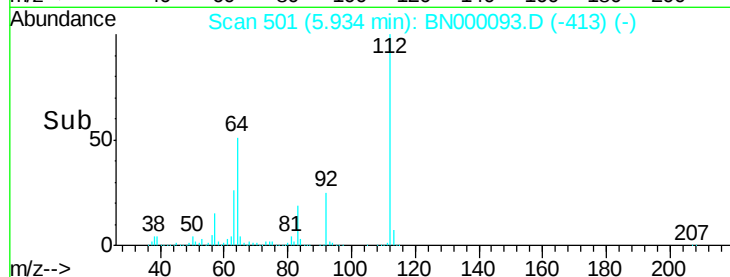
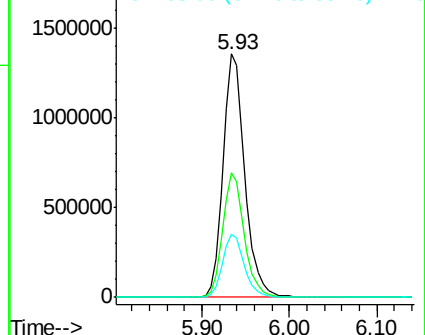
63 25.8 30.1 45.1#



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: 0.800 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

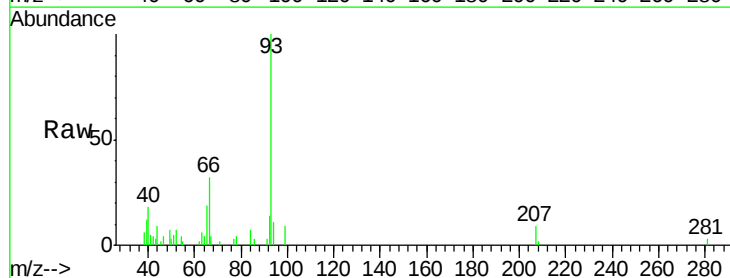
Tgt Ion: 93 Resp: 28846

Ion Ratio Lower Upper

93 100

66 32.1 33.7 50.5#

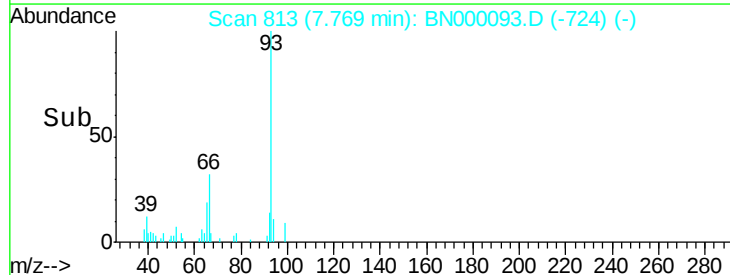
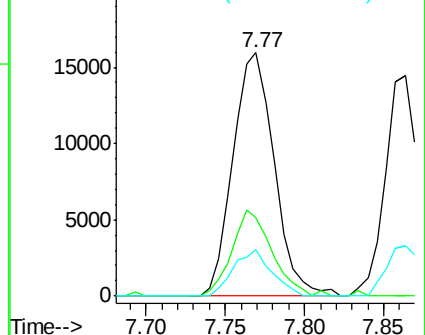
65 19.3 16.1 24.1

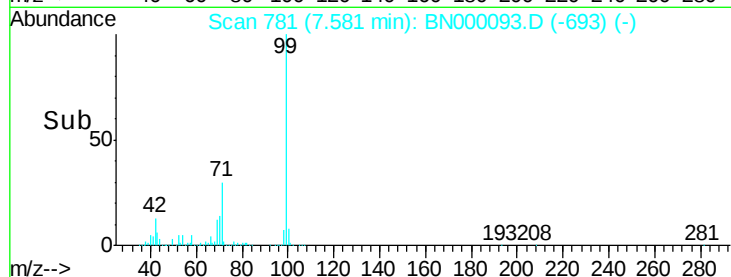
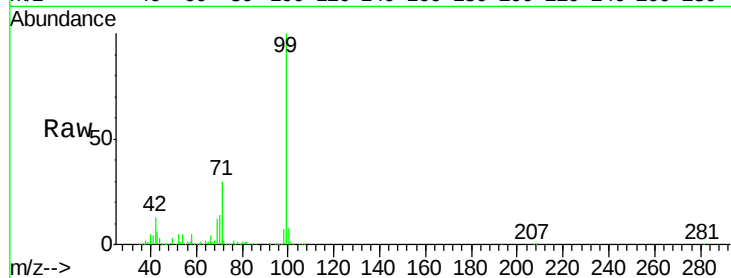
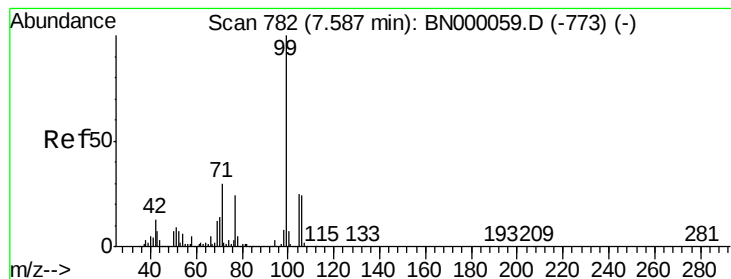


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 128.083 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

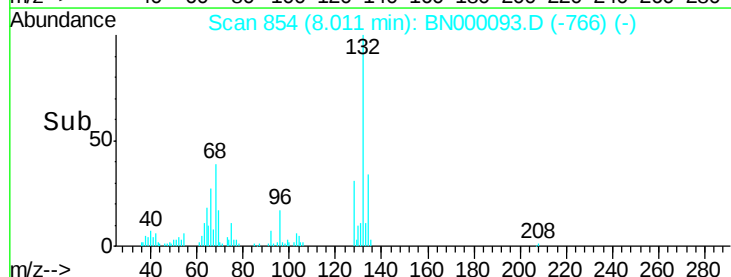
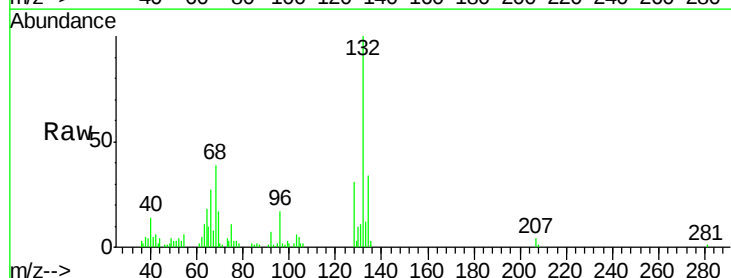
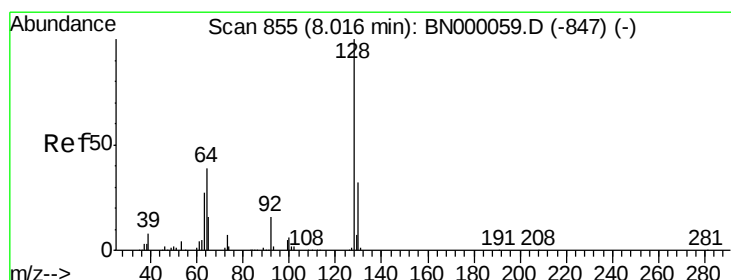
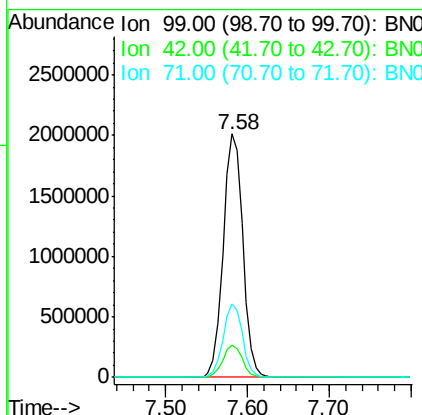
Tot Ion: 99 Resp: 3352083

Ion Ratio Lower Upper

99 100

42 13.2 14.1 21.1#

71 30.0 26.1 39.1



#8

2-Chlorophenol

Concen: 0.990 ng

RT: 8.01 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

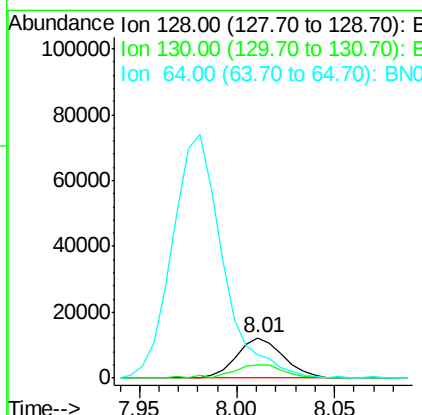
Tgt Ion:128 Resp: 20004

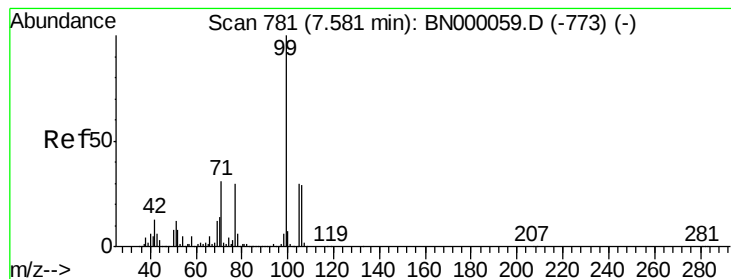
Ion Ratio Lower Upper

128 100

130 31.5 14.0 54.0

64 58.8 37.7 77.7





#9

Benzaldehyde

Concen: 0.925 ng

RT: 7.58 min Scan# 780

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

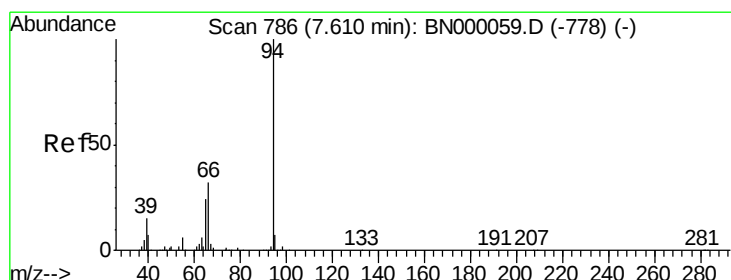
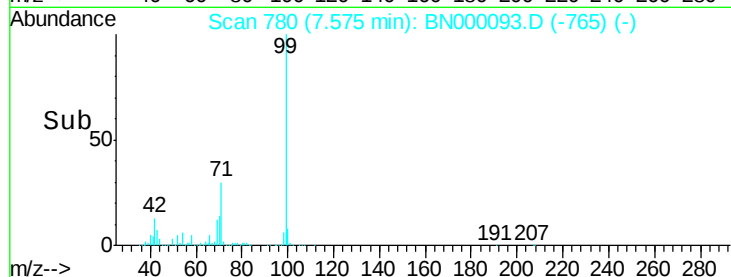
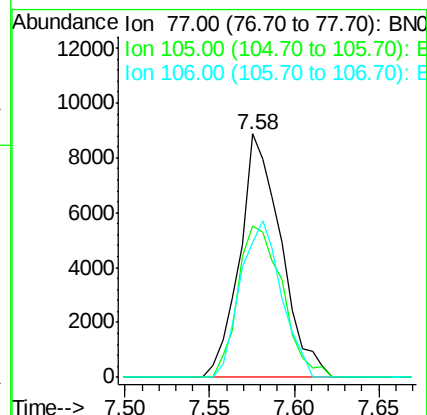
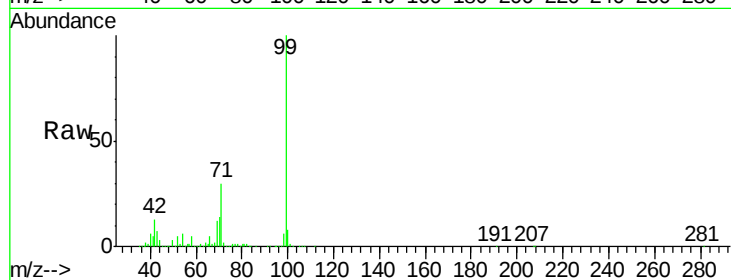
Tot Ion: 77 Resp: 15060

Ion Ratio Lower Upper

77 100

105 62.2 71.3 111.3#

106 55.6 64.2 104.2#



#10

Phenol

Concen: 0.962 ng

RT: 7.61 min Scan# 786

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

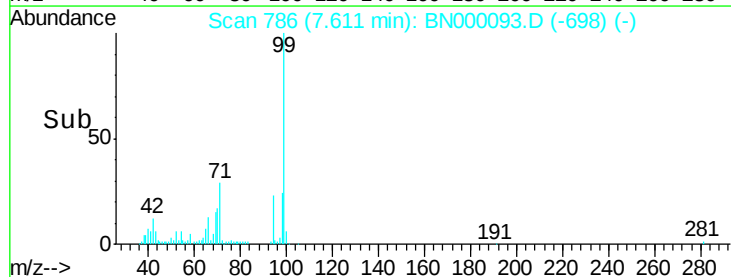
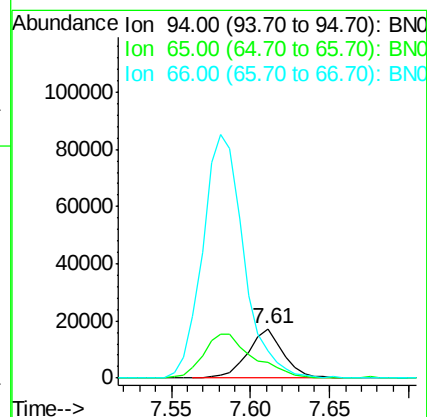
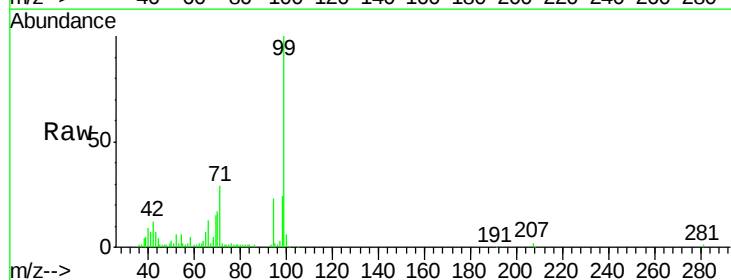
Tgt Ion: 94 Resp: 26590

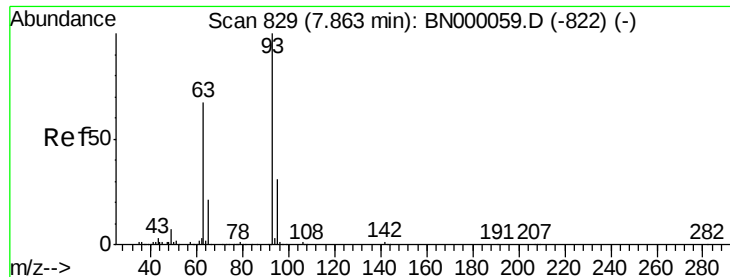
Ion Ratio Lower Upper

94 100

65 31.4 11.9 51.9

66 54.9 22.2 62.2

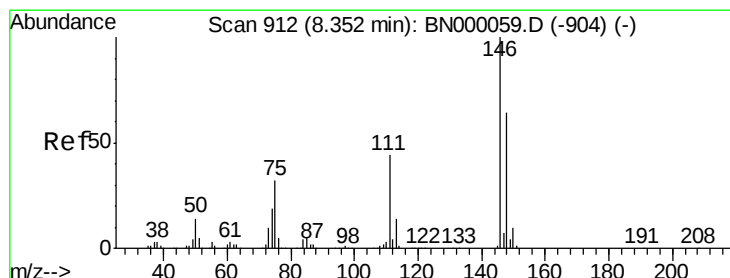
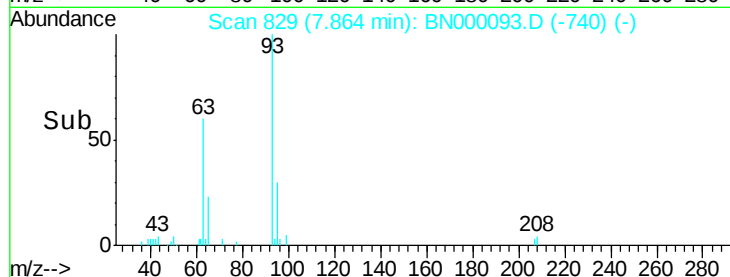
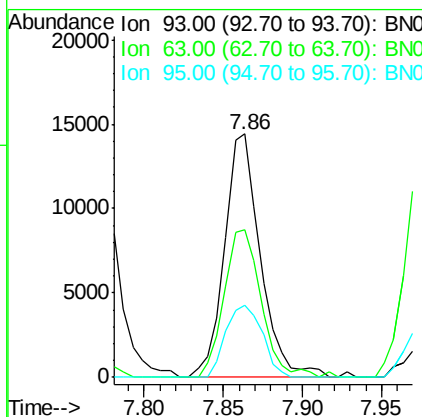
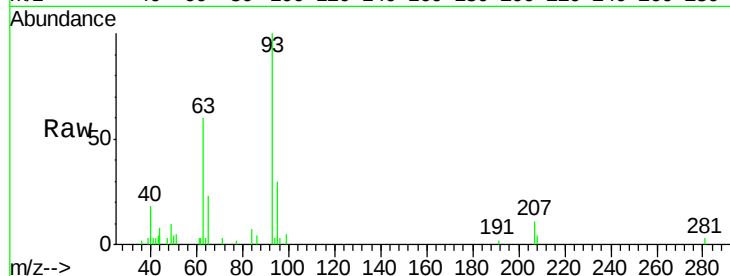




#11
 bis(2-Chloroethyl)ether
 Concen: 0.996 ng
 RT: 7.86 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

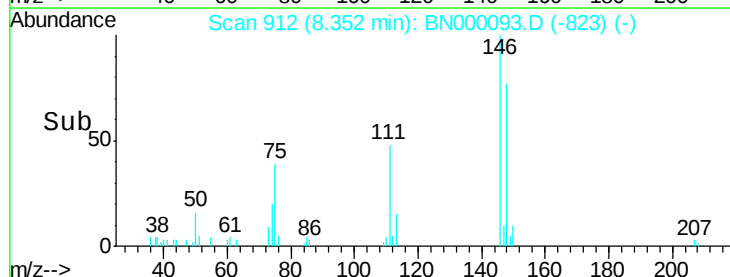
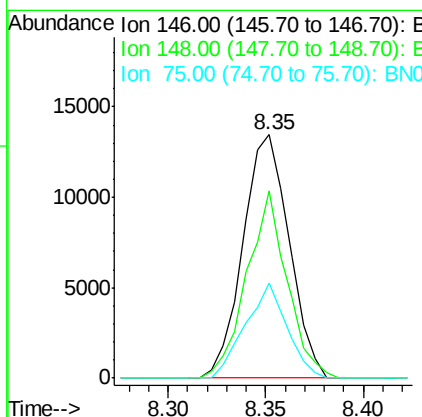
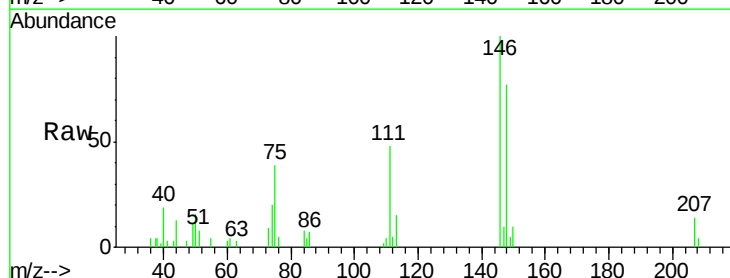
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion: 93 Resp: 22641
 Ion Ratio Lower Upper
 93 100
 63 60.4 67.1 107.1#
 95 29.6 11.5 51.5



#12
 1,3-Dichlorobenzene
 Concen: 0.961 ng
 RT: 8.35 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion: 146 Resp: 22061
 Ion Ratio Lower Upper
 146 100
 148 77.1 51.4 77.2
 75 39.2 26.6 39.8

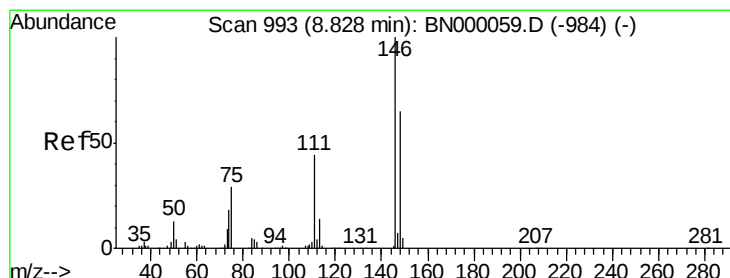
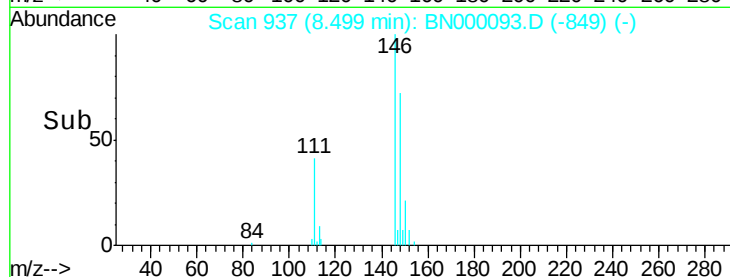
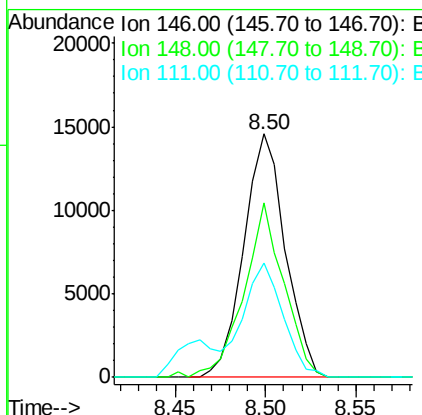
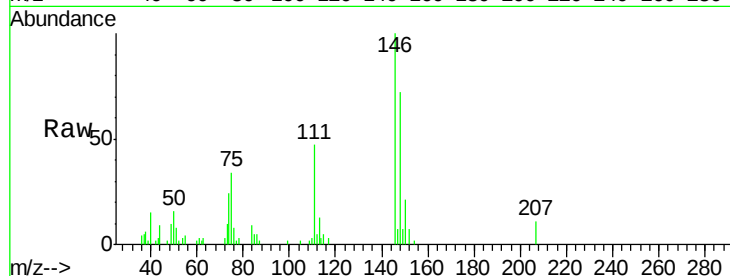




#13
 1,4-Dichlorobenzene
 Concen: 0.989 ng
 RT: 8.50 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

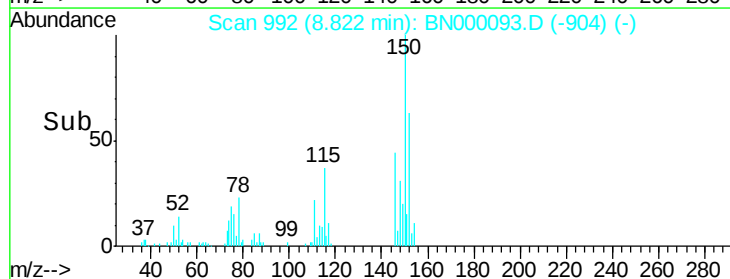
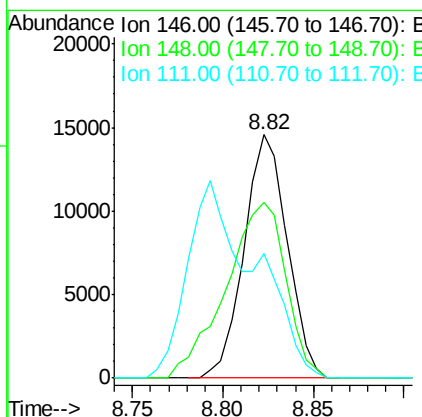
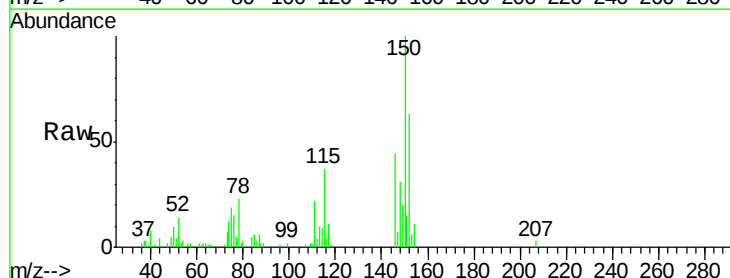
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

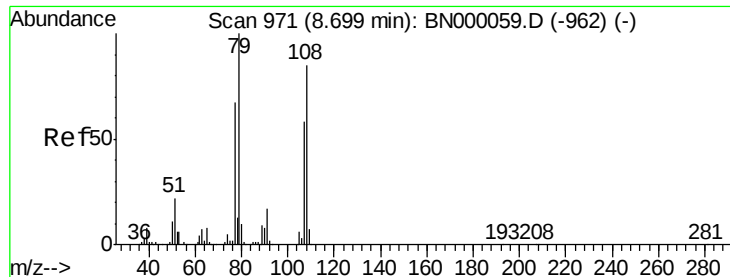
Tot Ion	Ratio	Lower	Upper
146	100		
148	71.7	53.7	80.5
111	46.8	35.2	52.8



#14
 1,2-Dichlorobenzene
 Concen: 1.044 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	72.0	49.3	73.9
111	51.0	34.3	51.5





#15

Benzyl Alcohol

Concen: 0.765 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

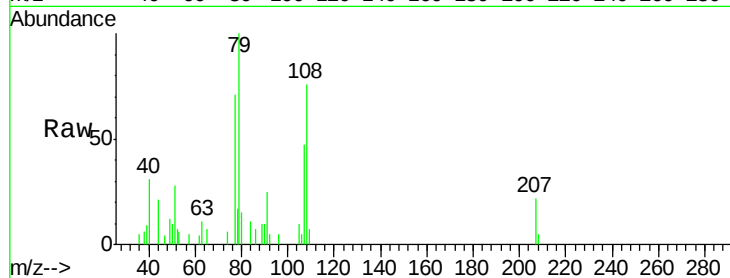
Tot Ion: 79 Resp: 14398

Ion Ratio Lower Upper

79 100

108 75.8 57.2 85.8

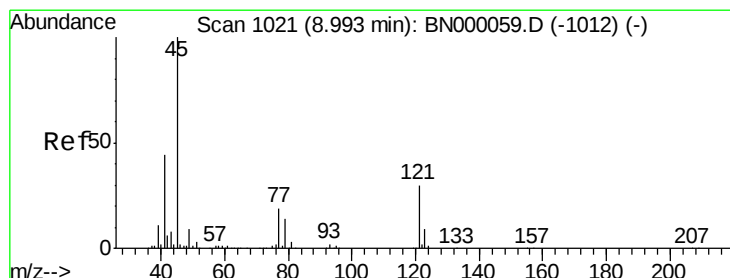
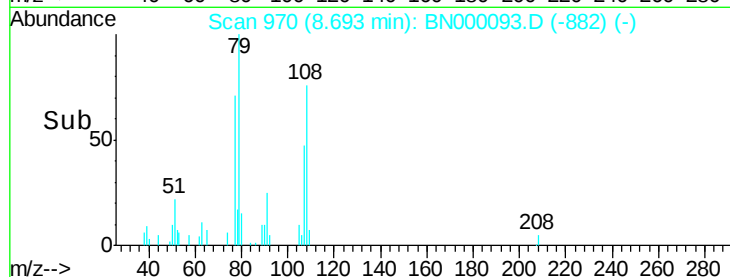
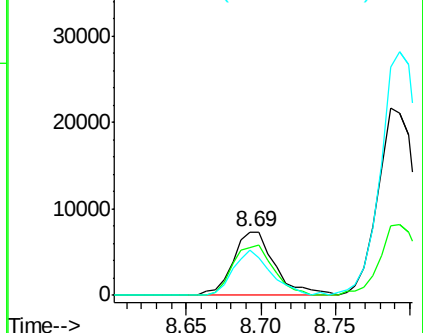
77 71.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BNC

Ion 108.00 (107.70 to 108.70): BNC

Ion 77.00 (76.70 to 77.70): BNC



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.952 ng

RT: 8.99 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

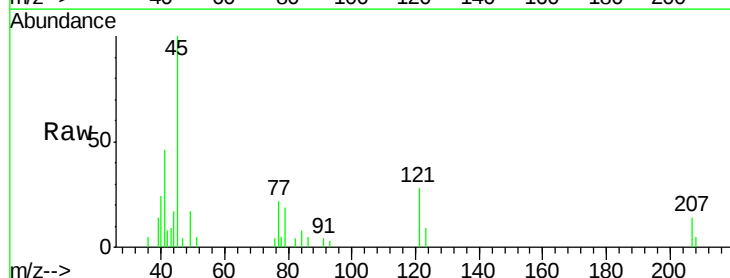
Tgt Ion: 45 Resp: 22893

Ion Ratio Lower Upper

45 100

77 22.1 0.0 30.2

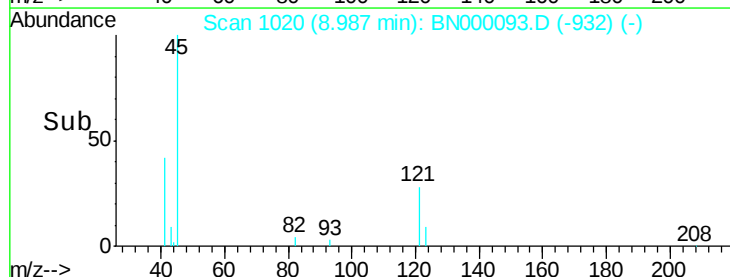
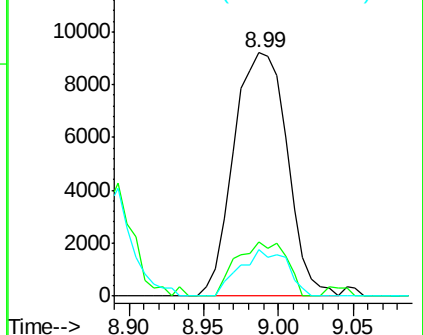
79 18.9 0.0 27.9

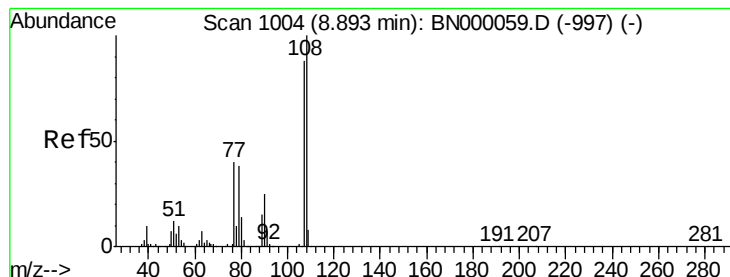


Abundance Ion 45.00 (44.70 to 45.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC

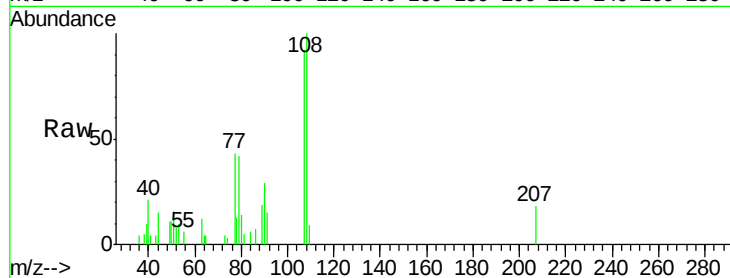




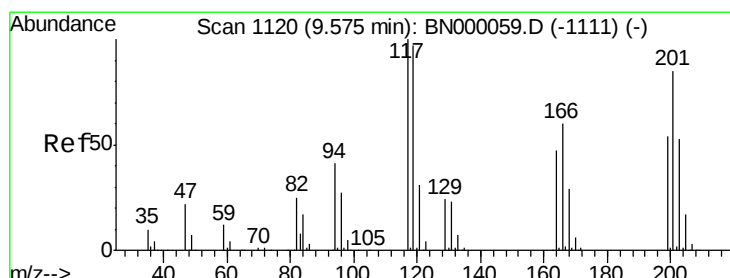
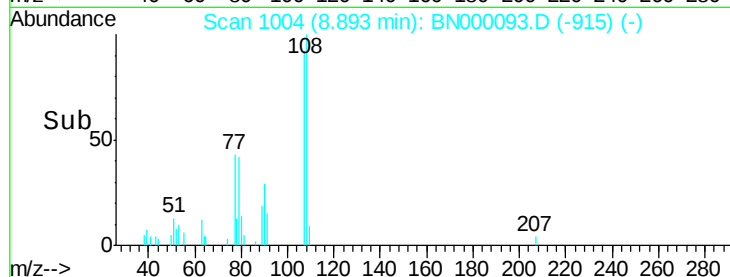
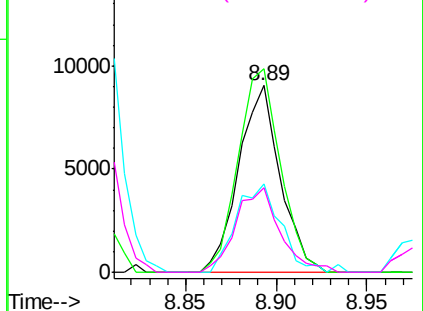
#17
2-Methylphenol
Concen: 0.734 ng
RT: 8.89 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

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

Tot Ion:107 Resp: 14412
Ion Ratio Lower Upper
107 100
108 108.8 83.9 125.9
77 47.3 37.2 55.8
79 45.3 36.2 54.2

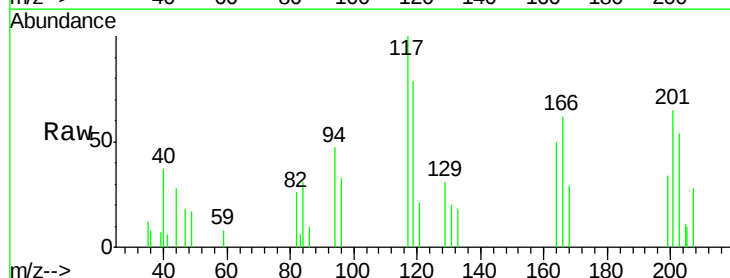


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

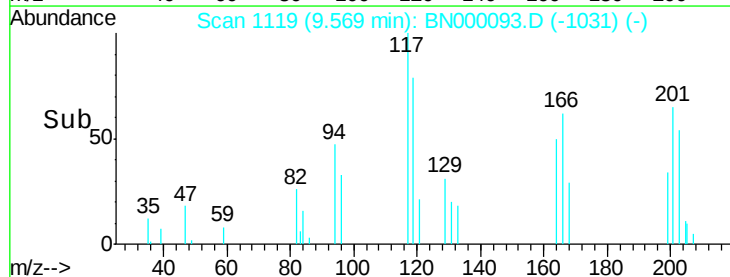
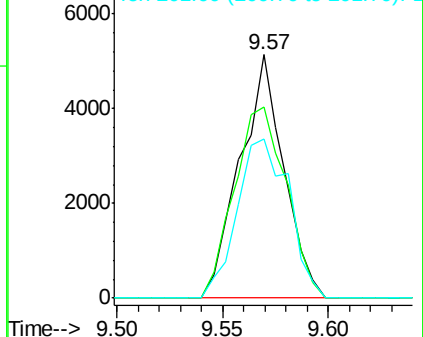


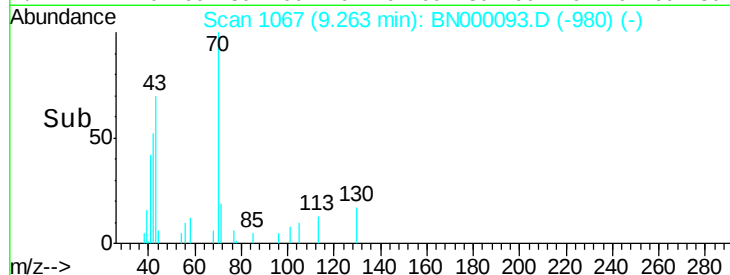
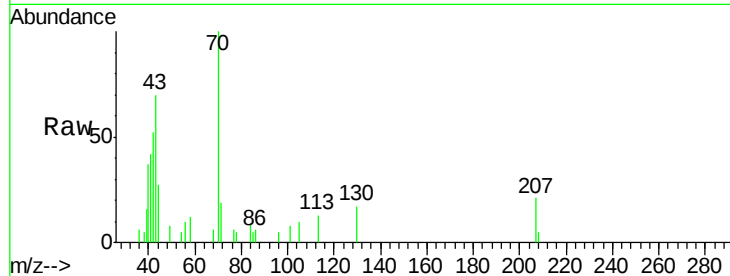
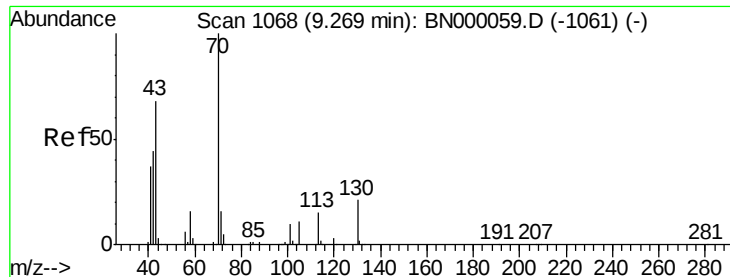
#18
Hexachloroethane
Concen: 0.906 ng
RT: 9.57 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:117 Resp: 7396
Ion Ratio Lower Upper
117 100
119 78.5 76.7 115.1
201 65.3 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

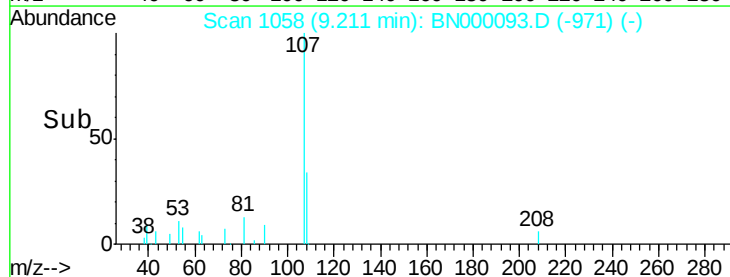
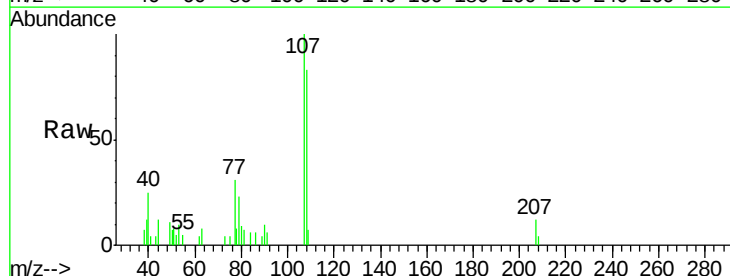
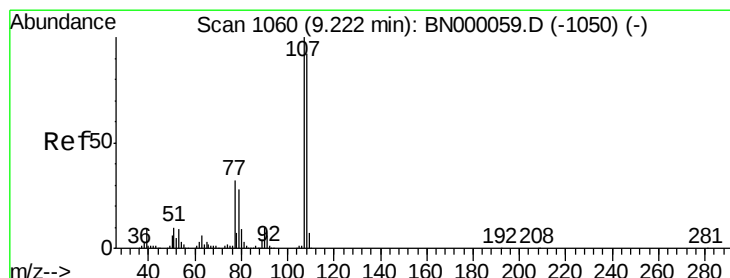
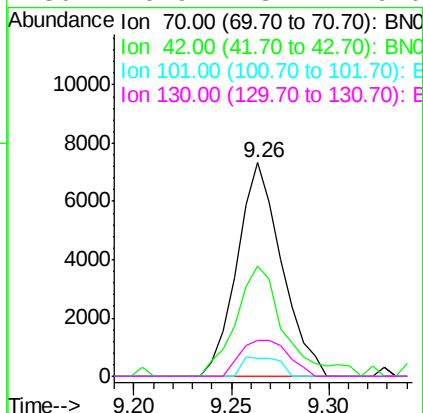




#19
n-Nitroso-di-n-propylamine
Concen: 0.660 ng
RT: 9.26 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

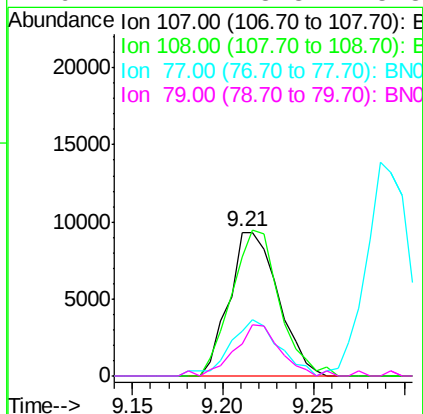
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

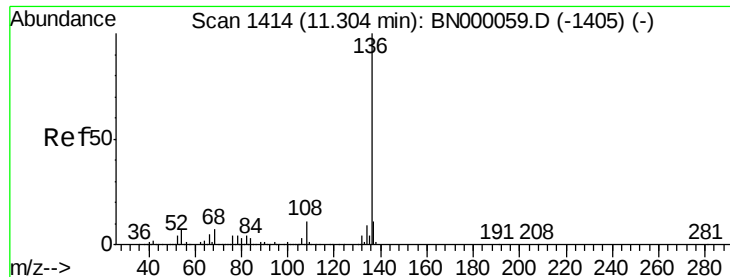
Tot Ion:	70	Resp:	11573
Ion	Ratio	Lower	Upper
70	100		
42	51.6	49.1	73.7
101	8.3	8.5	12.7#
130	16.9	13.4	20.0



#20
3+4-Methylphenols
Concen: 0.640 ng
RT: 9.21 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:	107	Resp:	17563
Ion	Ratio	Lower	Upper
107	100		
108	82.8	61.6	101.6
77	31.5	13.9	53.9
79	22.7	8.8	48.8

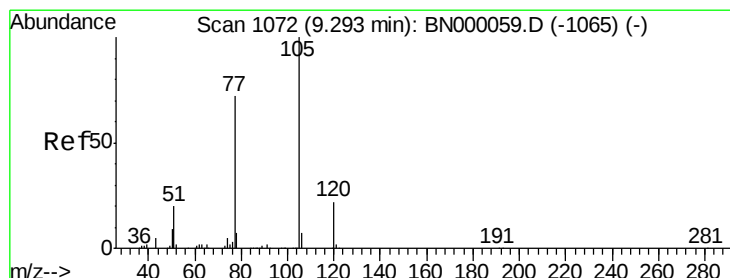
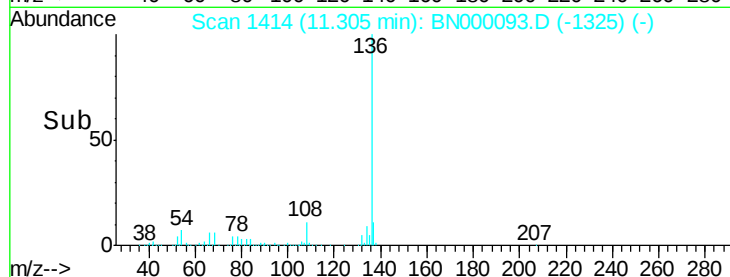
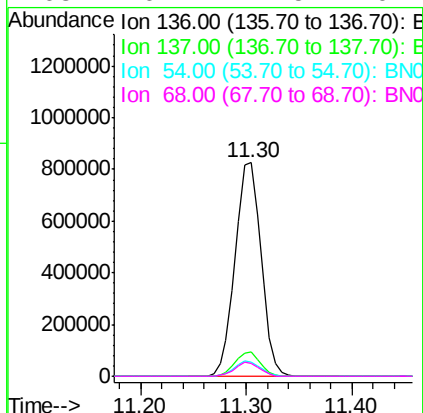
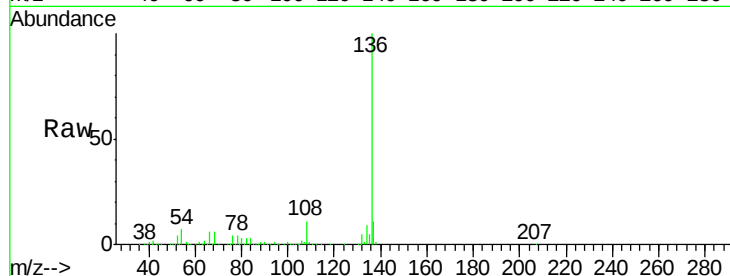




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

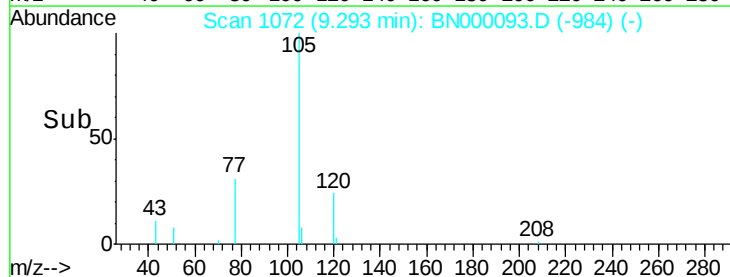
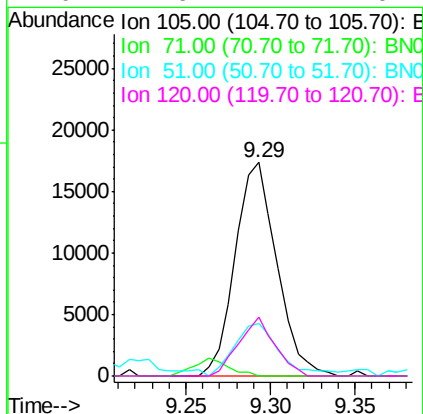
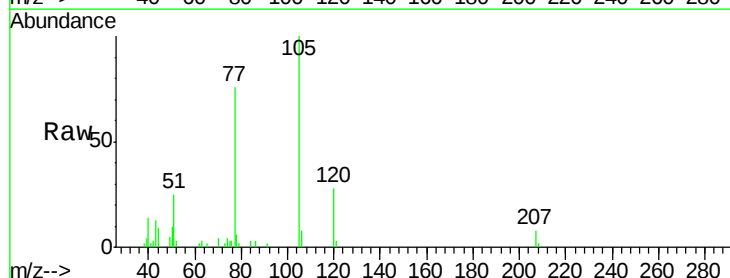
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

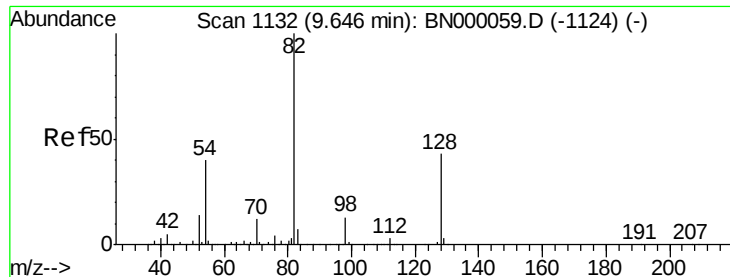
Tot Ion:136 Resp: 1404742
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 6.7 10.3 15.5#
68 6.1 4.5 6.7



#22
Acetophenone
Concen: 0.757 ng
RT: 9.29 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:105 Resp: 29813
Ion Ratio Lower Upper
105 100
71 0.0 3.0 4.4#
51 24.6 26.1 39.1#
120 27.6 17.4 26.2#

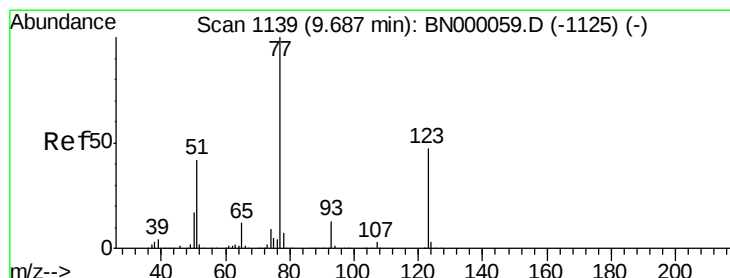
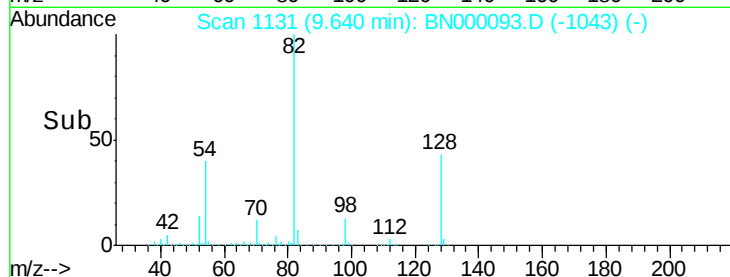
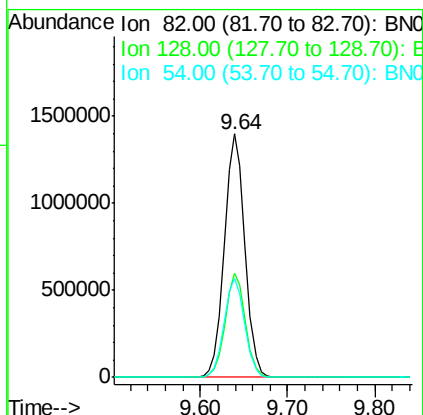
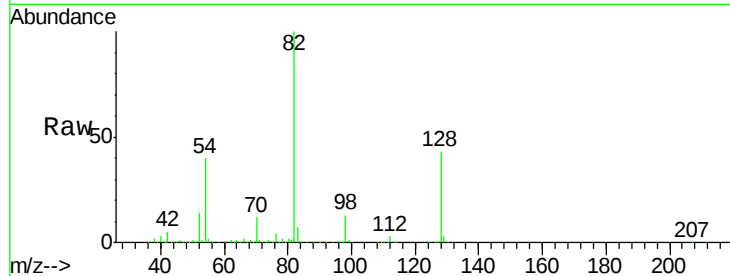




#23
 Nitrobenzene-d5
 Concen: 95.446 ng
 RT: 9.64 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

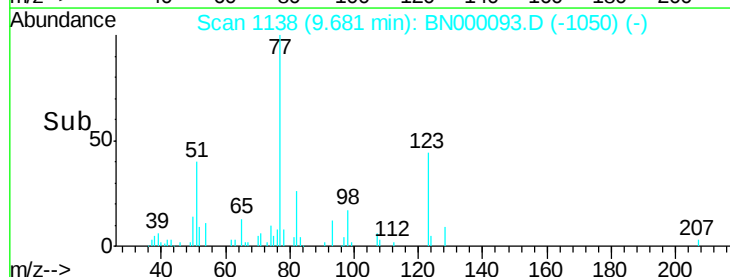
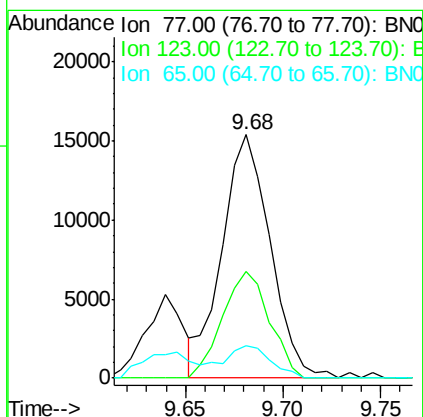
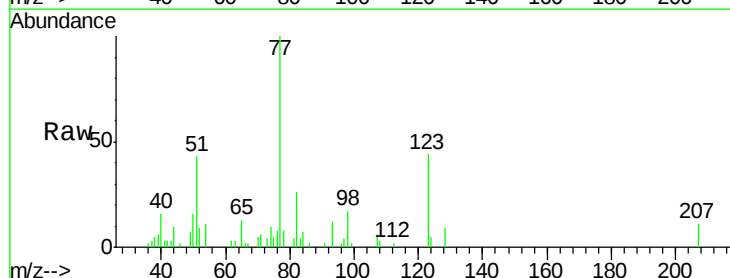
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

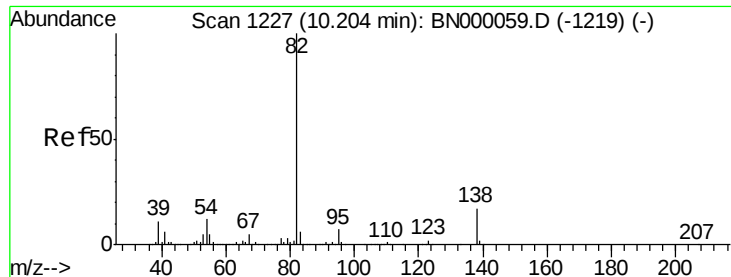
Tot Ion: 82 Resp: 2255064
 Ion Ratio Lower Upper
 82 100
 128 42.7 29.7 44.5
 54 40.4 43.1 64.7#



#24
 Nitrobenzene
 Concen: 1.020 ng
 RT: 9.68 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion: 77 Resp: 26351
 Ion Ratio Lower Upper
 77 100
 123 43.6 33.0 49.6
 65 13.3 13.0 19.6





#25

Isophorone

Concen: 0.703 ng

RT: 10.20 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

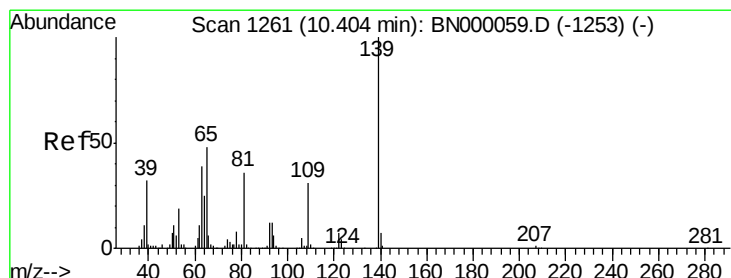
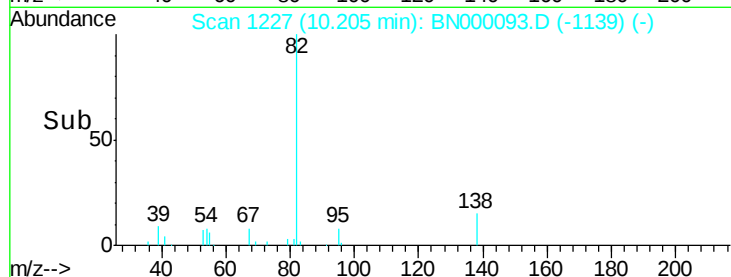
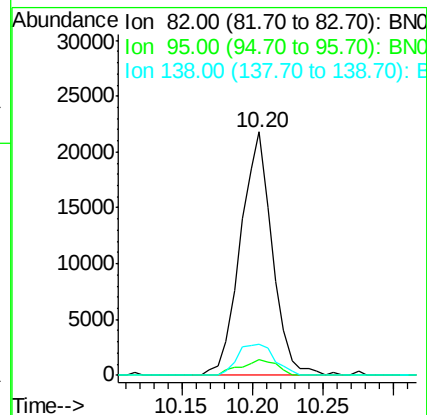
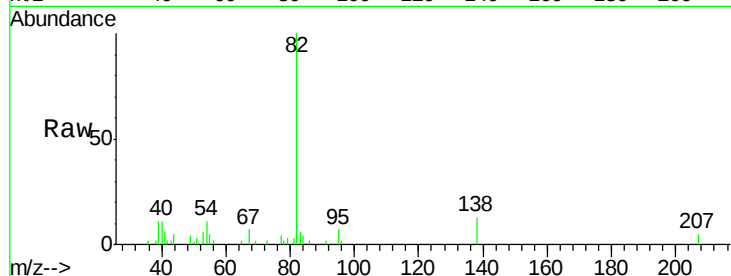
Tot Ion: 82 Resp: 34327

Ion Ratio Lower Upper

82 100

95 6.7 6.2 9.2

138 12.8 12.1 18.1



#26

2-Nitrophenol

Concen: 7.579 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

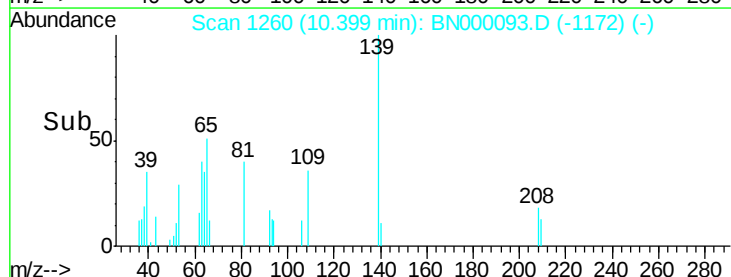
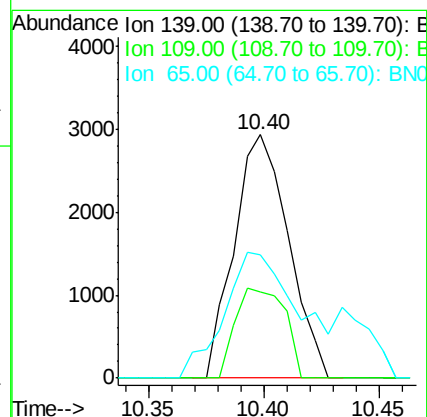
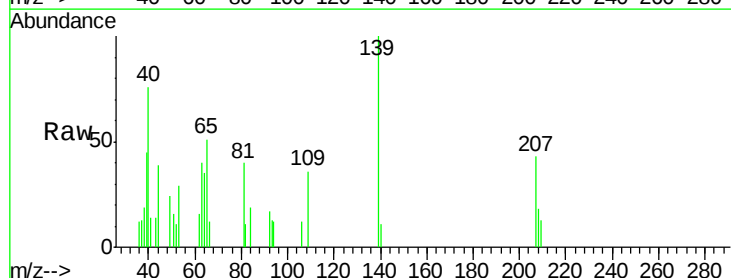
Tgt Ion: 139 Resp: 4806

Ion Ratio Lower Upper

139 100

109 35.5 24.2 36.2

65 50.8 47.4 71.0

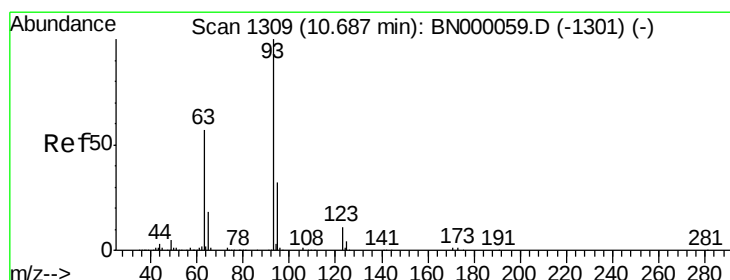
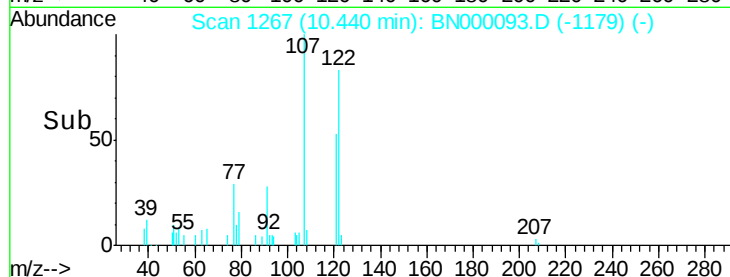
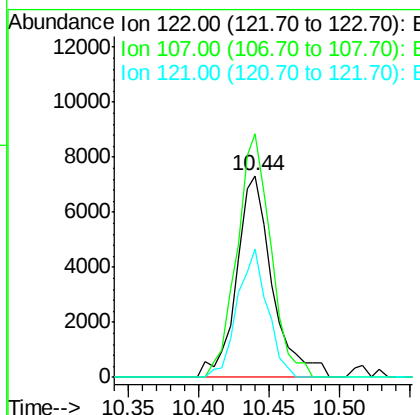
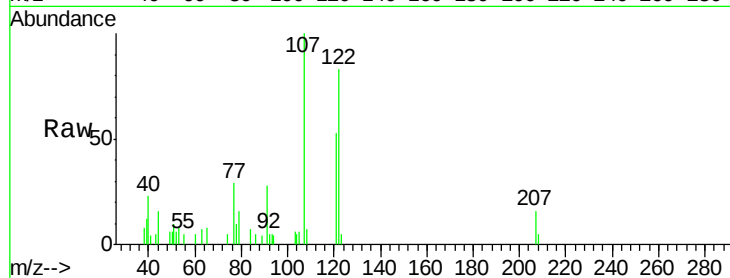




#27
2,4-Dimethylphenol
Concen: 0.611 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

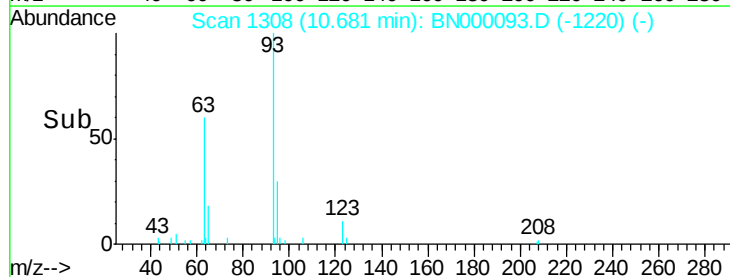
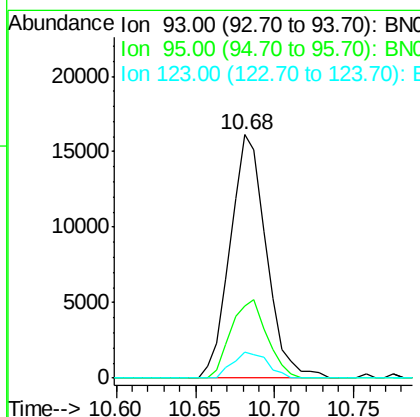
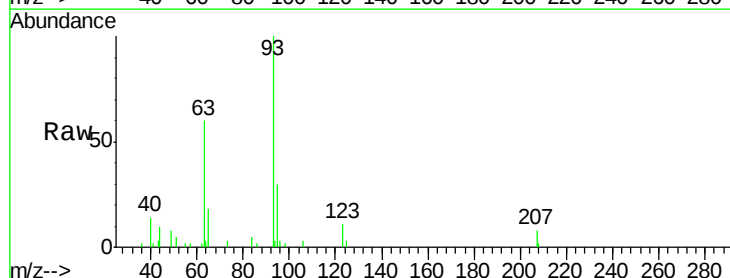
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

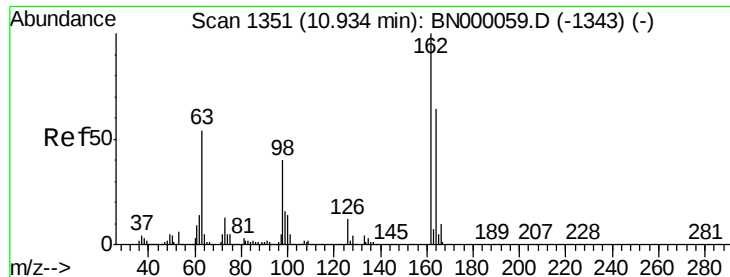
Tot Ion:122 Resp: 12934
Ion Ratio Lower Upper
122 100
107 120.7 100.2 150.2
121 63.6 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 0.812 ng
RT: 10.68 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion: 93 Resp: 25427
Ion Ratio Lower Upper
93 100
95 29.7 24.3 36.5
123 10.9 8.4 12.6

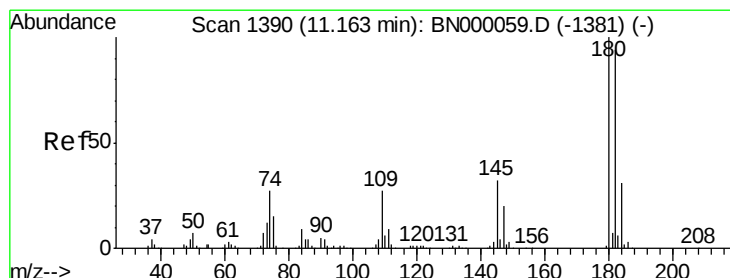
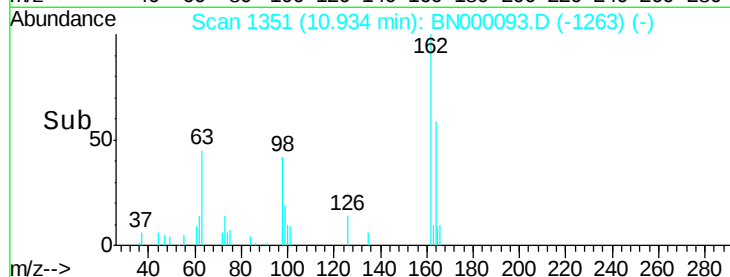
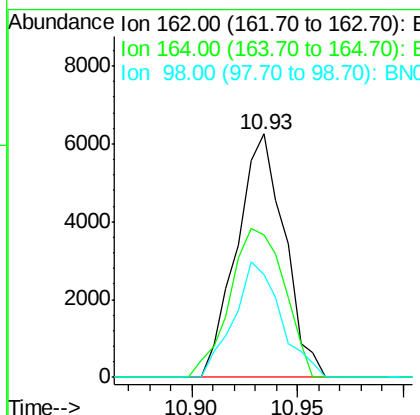
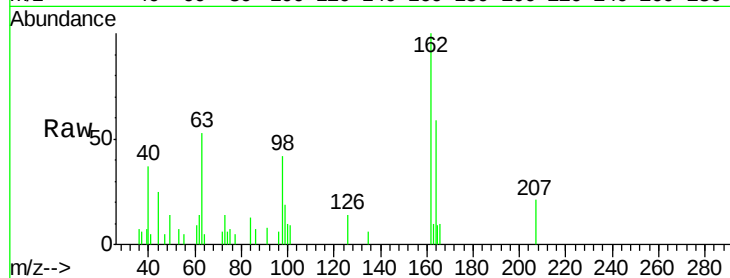




#29
 2,4-Dichlorophenol
 Concen: 0.501 ng
 RT: 10.93 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

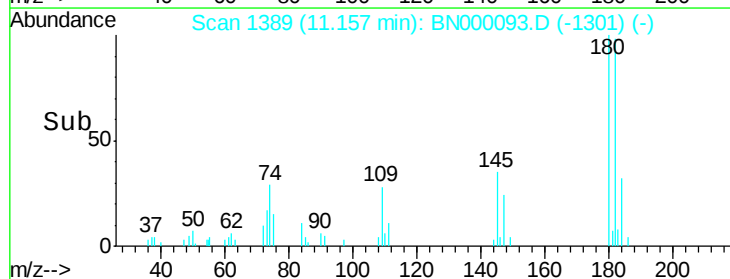
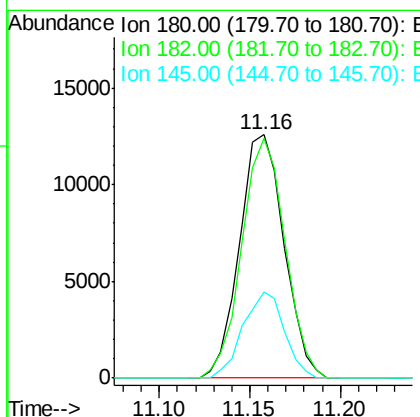
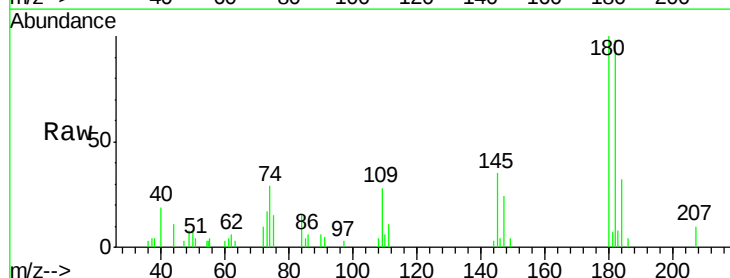
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	58.5	48.0	88.0
98	42.3	21.1	61.1



#30
 1,2,4-Trichlorobenzene
 Concen: 0.953 ng
 RT: 11.16 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.5	116.3
145	35.4	23.4	35.2

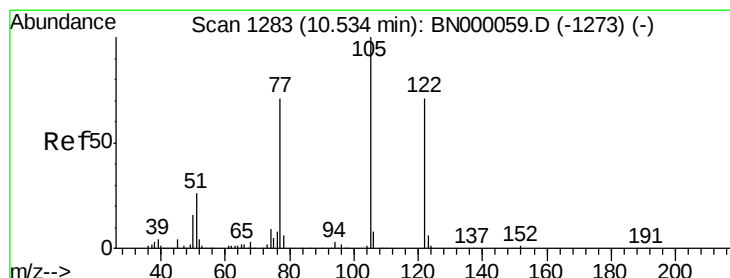
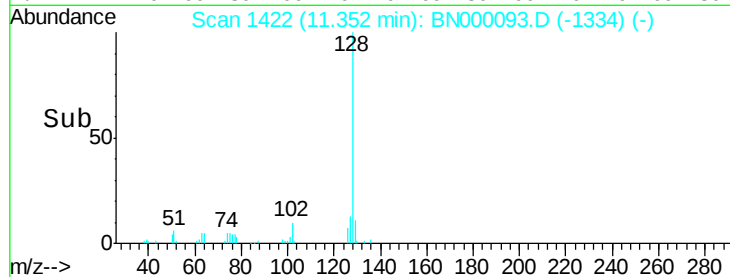
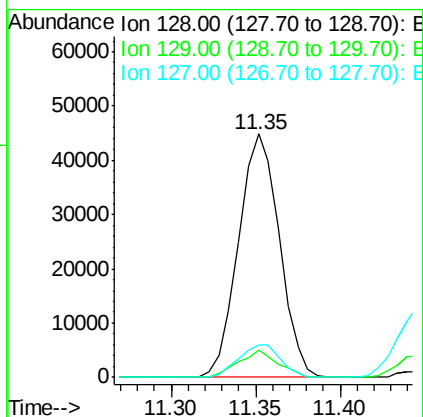
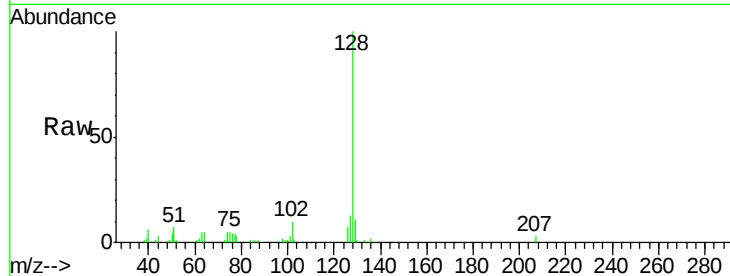




#31
Naphthalene
Concen: 0.983 ng
RT: 11.35 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

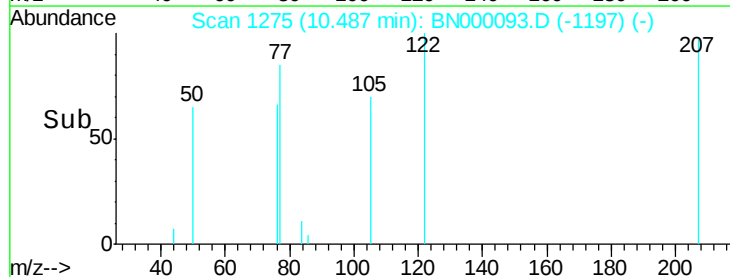
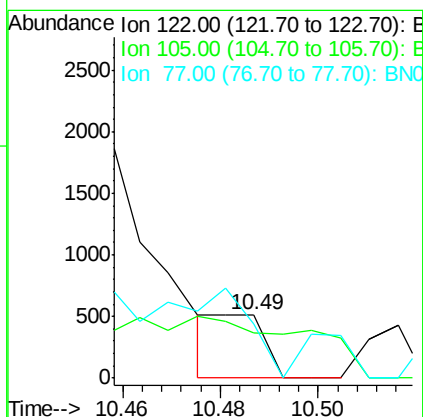
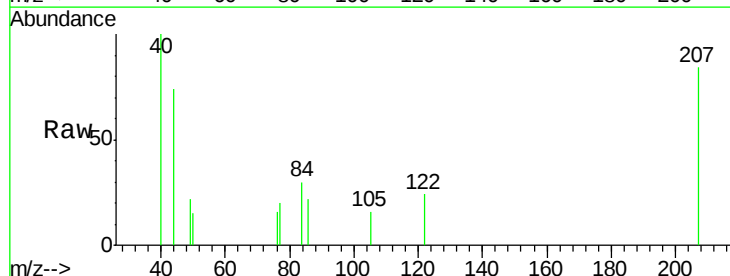
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:128 Resp: 75702
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 13.2 11.6 17.4



#32
Benzoic acid
Concen: 10.561 ng m
RT: 10.49 min Scan# 1275
Delta R.T. -0.07 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:122 Resp: 363
Ion Ratio Lower Upper
122 100
105 70.2 123.5 163.5#
77 85.1 85.7 125.7#

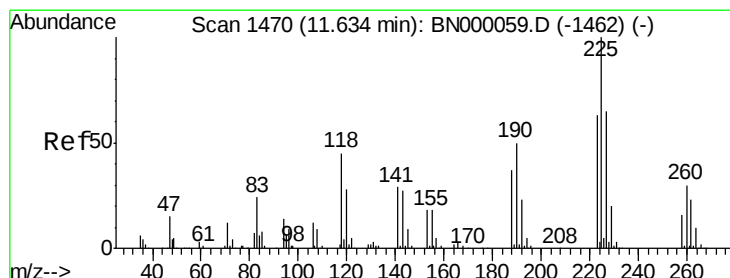
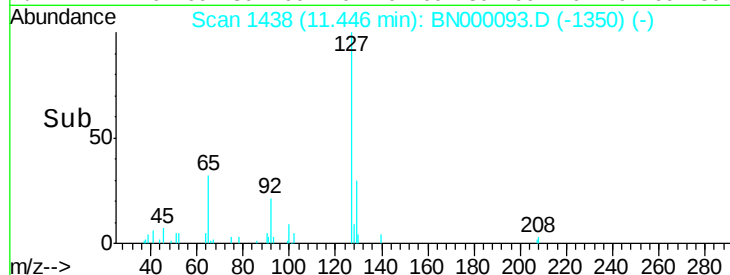
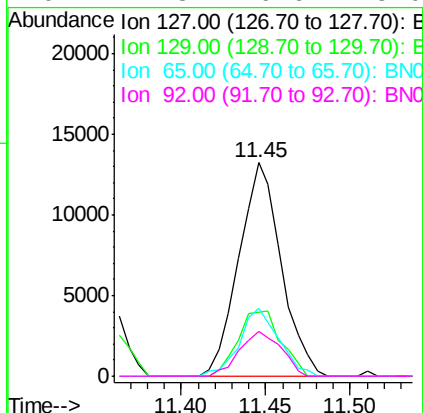
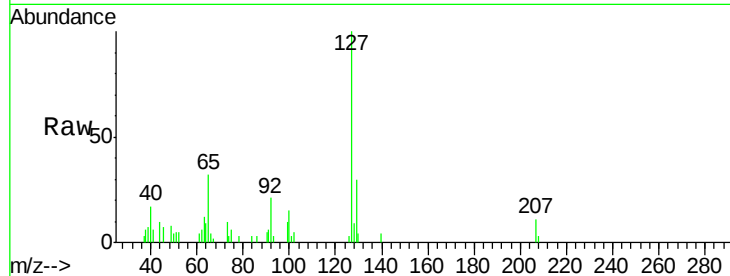




#33
4-Chloroaniline
Concen: 0.682 ng
RT: 11.45 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

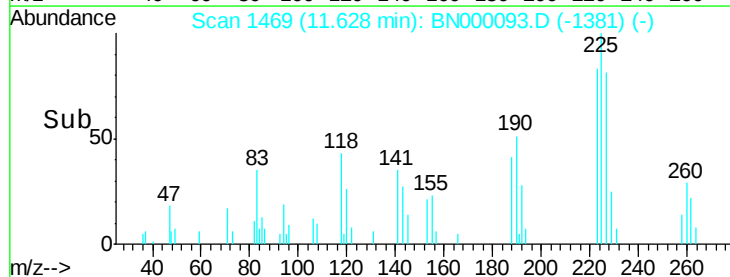
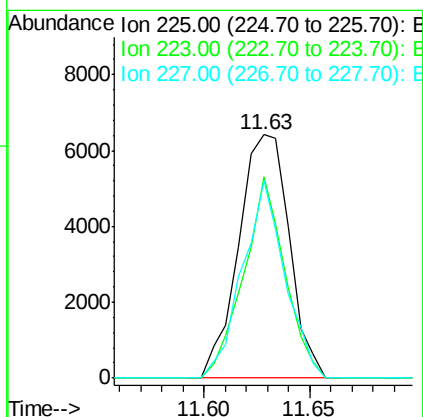
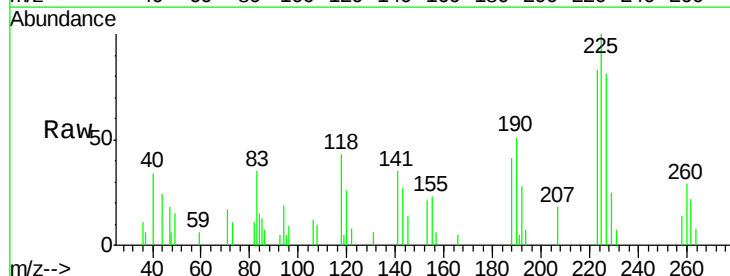
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

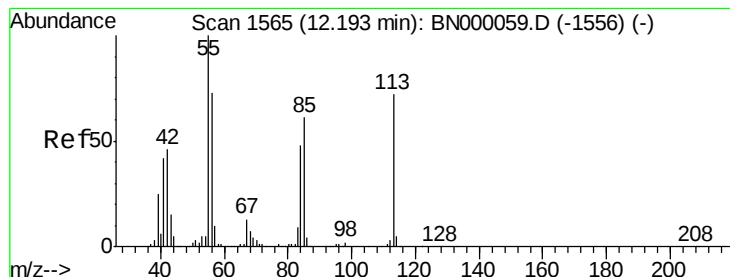
Tot Ion:127	Resp:	23086
Ion Ratio	Lower	Upper
127	100	
129	30.1	24.0 36.0
65	31.9	27.0 40.4
92	21.3	16.6 25.0



#34
Hexachlorobutadiene
Concen: 0.914 ng
RT: 11.63 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:225	Resp:	10694
Ion Ratio	Lower	Upper
225	100	
223	82.5	49.7 74.5#
227	81.3	48.1 72.1#





#35

Caprolactam

Concen: 4.369 ng

RT: 12.17 min Scan# 1561

Delta R.T. -0.03 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

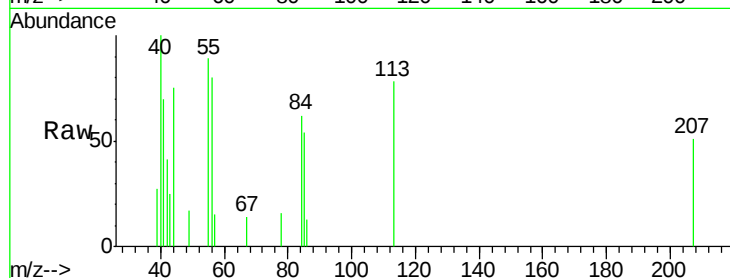
Tot Ion:113 Resp: 3274

Ion Ratio Lower Upper

113 100

55 113.6 120.0 160.0#

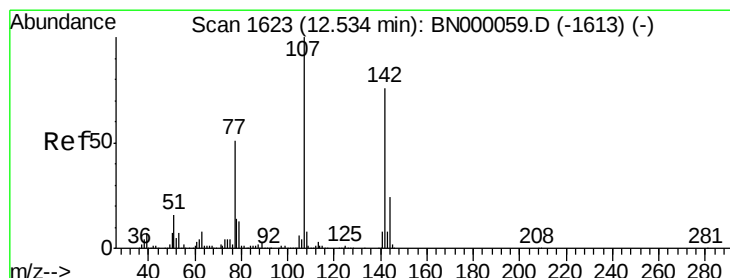
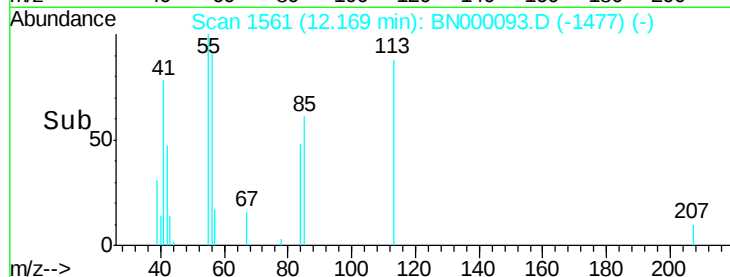
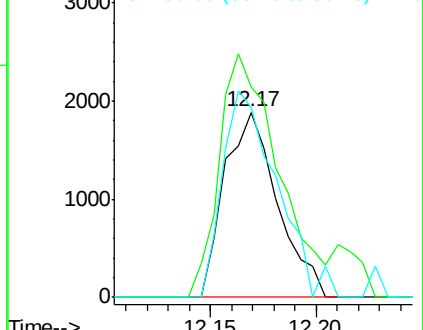
56 102.9 90.0 130.0



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: 0.516 ng

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

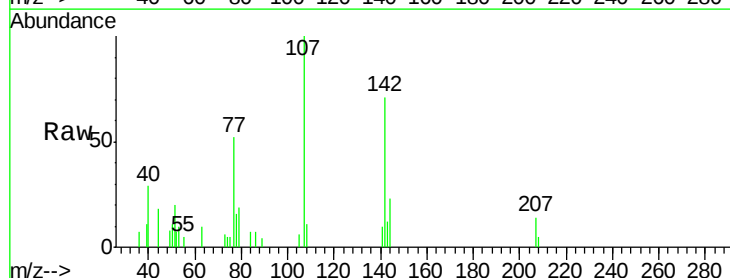
Tgt Ion:107 Resp: 12829

Ion Ratio Lower Upper

107 100

144 23.0 18.2 27.4

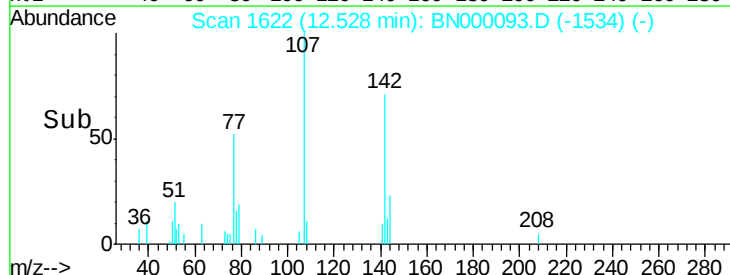
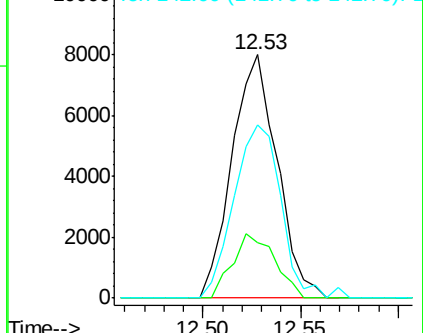
142 71.4 59.0 88.4

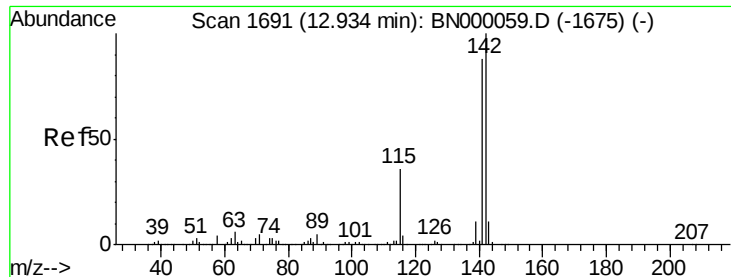


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

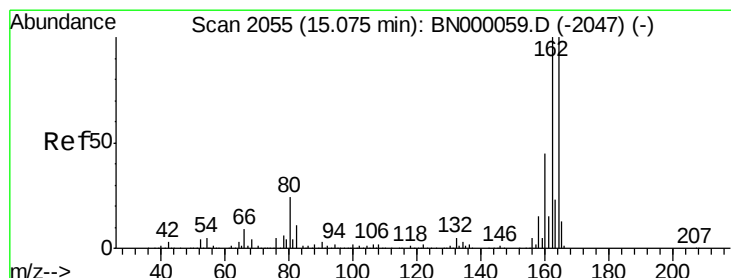
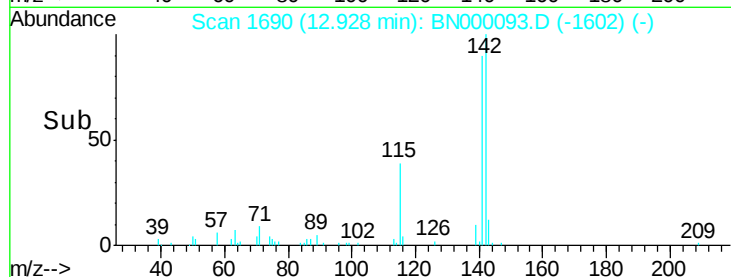
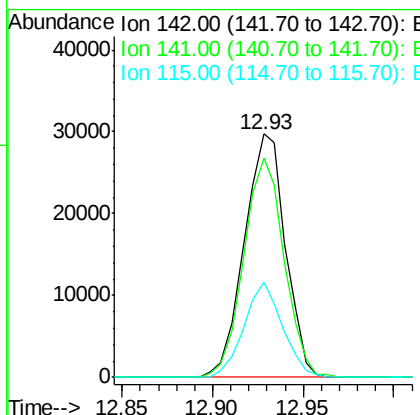
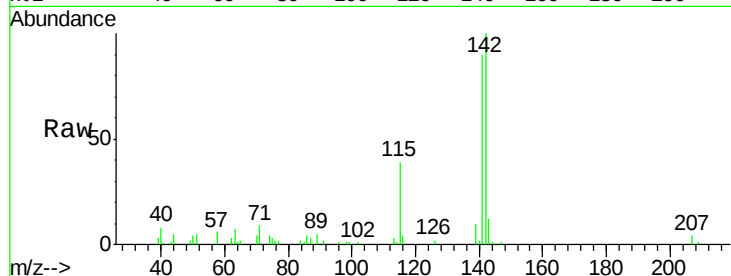




#37
2-Methylnaphthalene
Concen: 0.875 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

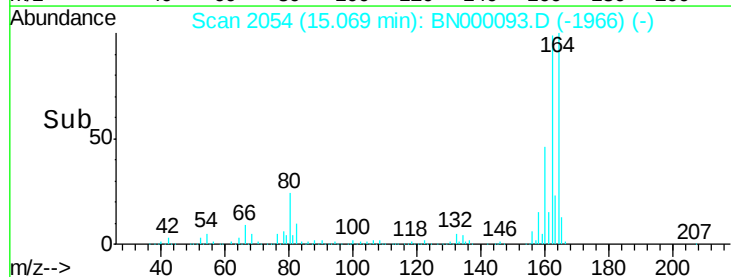
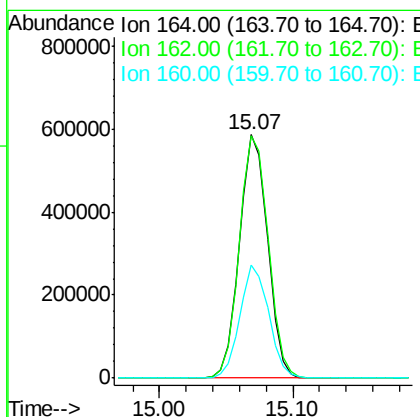
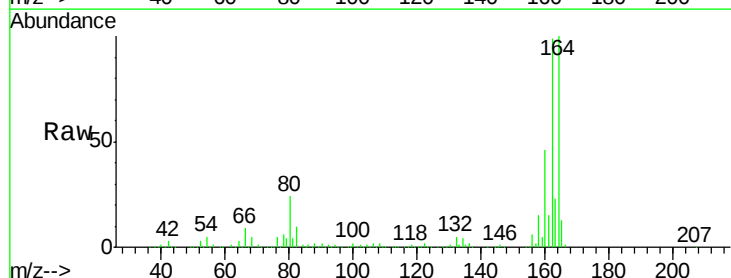
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

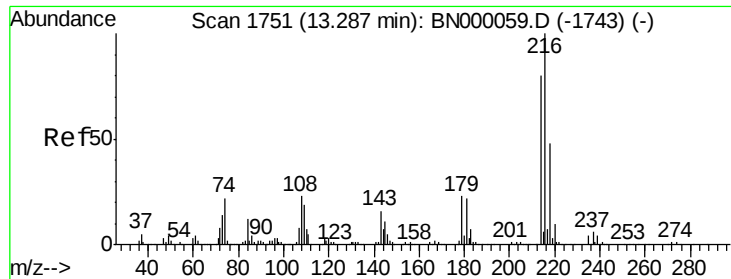
Tot Ion:142 Resp: 46864
Ion Ratio Lower Upper
142 100
141 90.0 67.1 100.7
115 39.1 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:164 Resp: 854768
Ion Ratio Lower Upper
164 100
162 99.3 78.8 118.2
160 46.3 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.915 ng

RT: 13.28 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:216 Resp: 23090

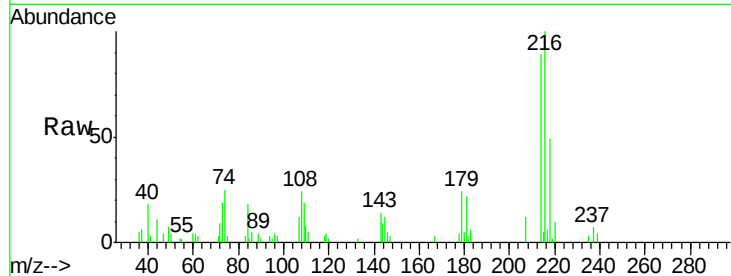
Ion Ratio Lower Upper

216 100

214 83.0 63.0 94.4

179 24.5 17.0 25.6

108 24.2 12.8 19.2#

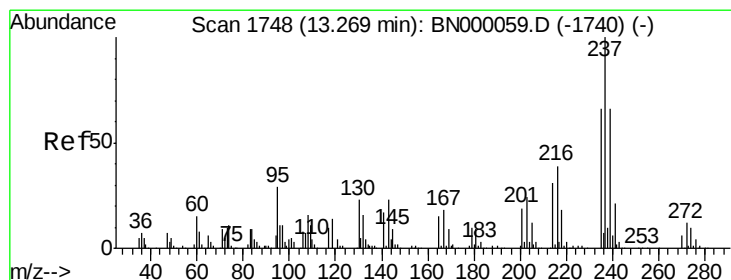
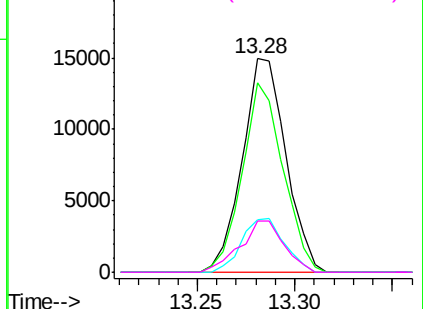
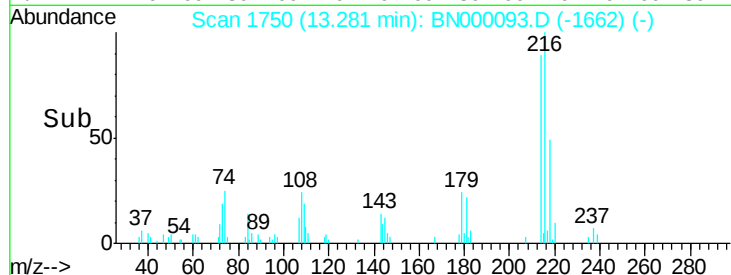


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.665 ng

RT: 13.26 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

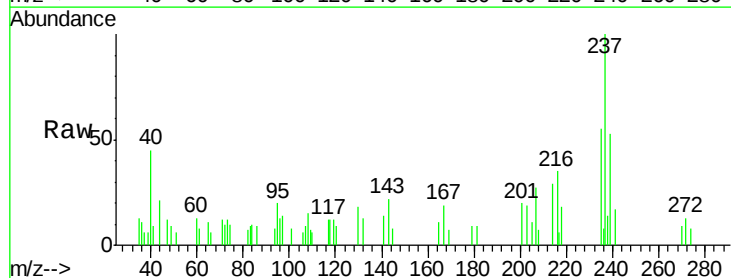
Tgt Ion:237 Resp: 6995

Ion Ratio Lower Upper

237 100

235 55.1 50.4 90.4

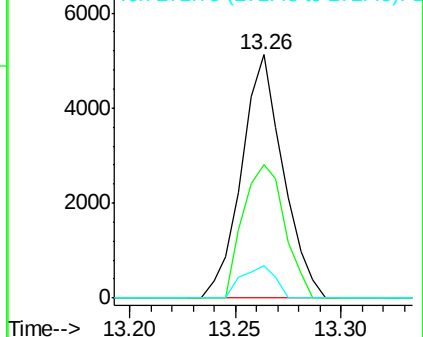
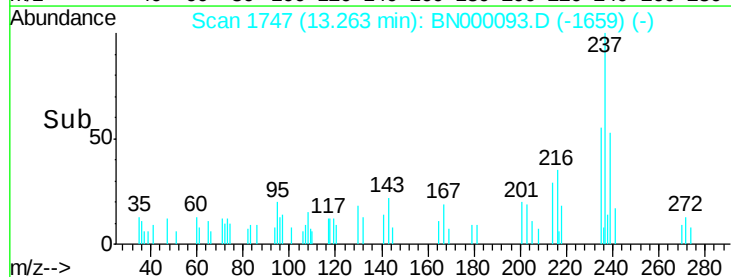
272 13.2 0.0 31.8

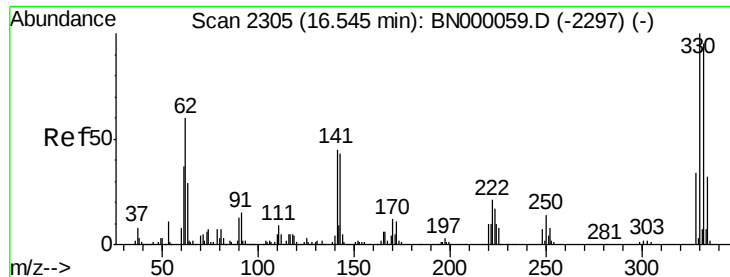


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

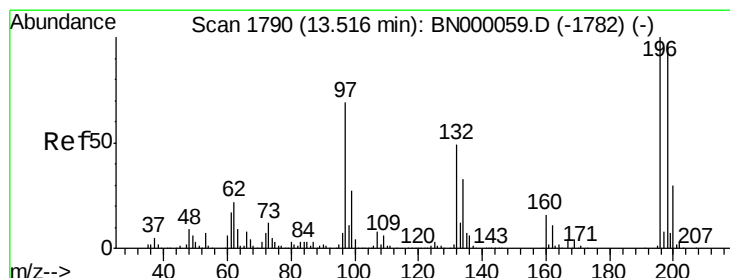
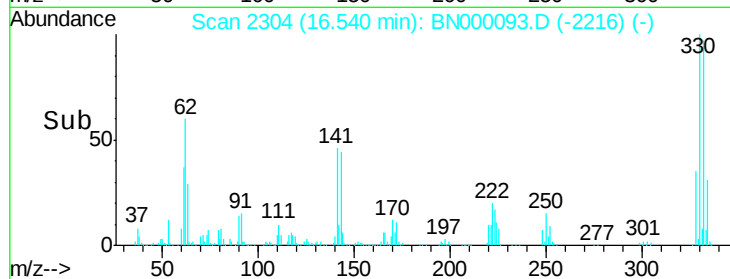
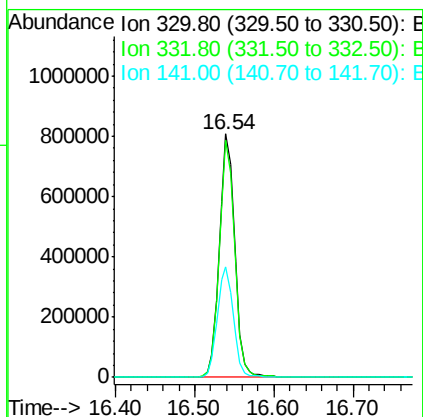
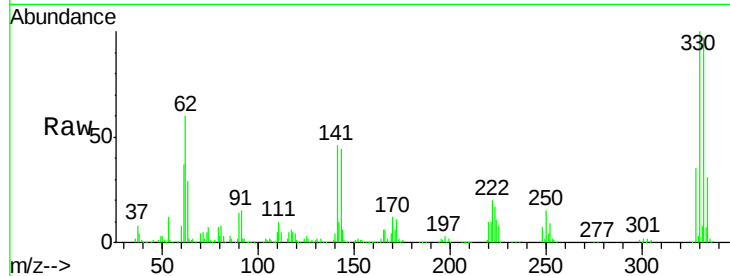




#41
 2,4,6-Tribromophenol
 Concen: 129.022 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

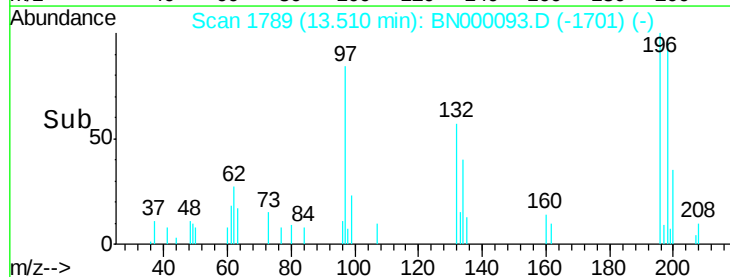
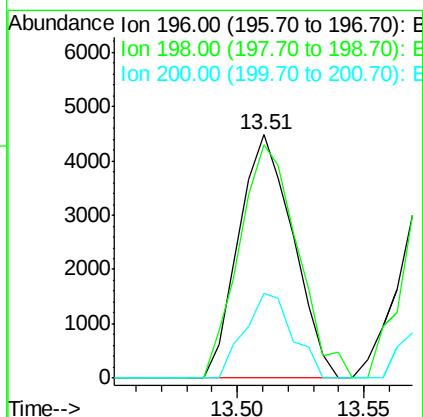
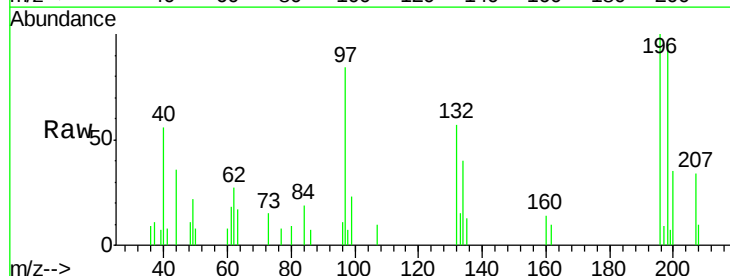
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

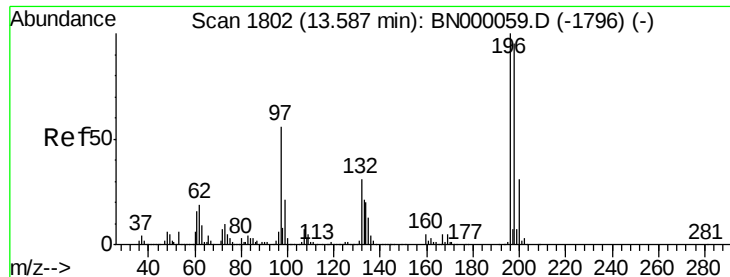
Tot Ion:330 Resp: 1091645
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 47.4 25.2 37.8#



#42
 2,4,6-Trichlorophenol
 Concen: 0.442 ng
 RT: 13.51 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion:196 Resp: 6684
 Ion Ratio Lower Upper
 196 100
 198 95.7 78.2 117.2
 200 34.6 24.6 36.8

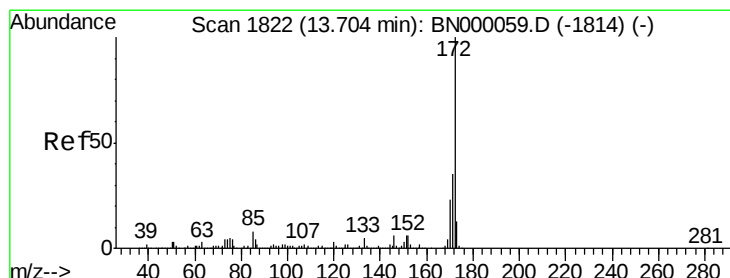
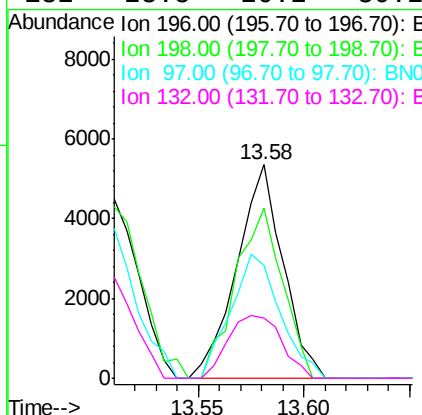
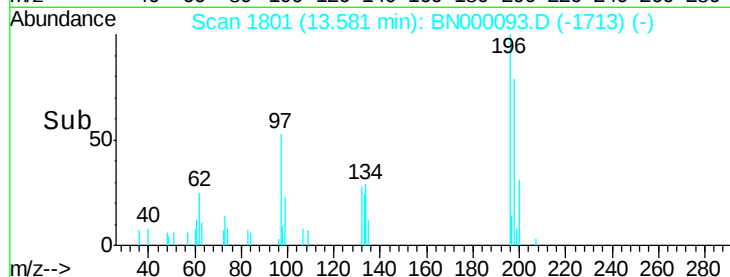
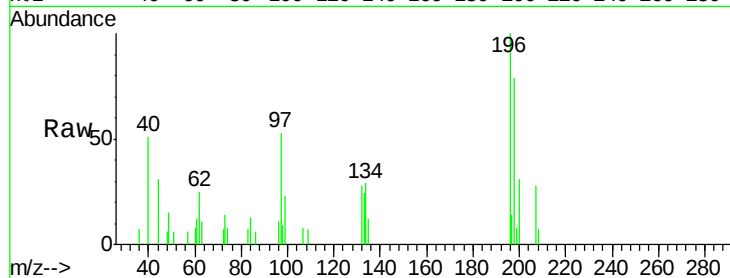




#43
2,4,5-Trichlorophenol
Concen: 0.448 ng
RT: 13.58 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

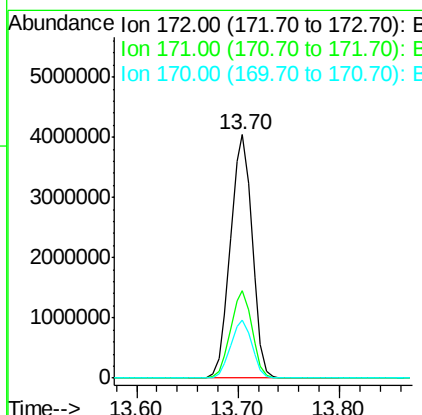
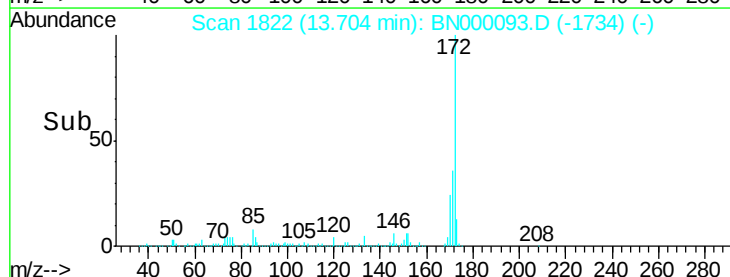
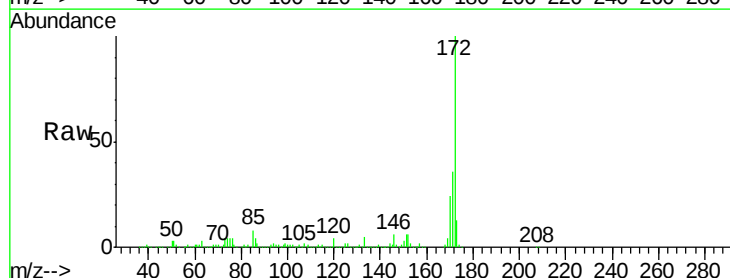
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

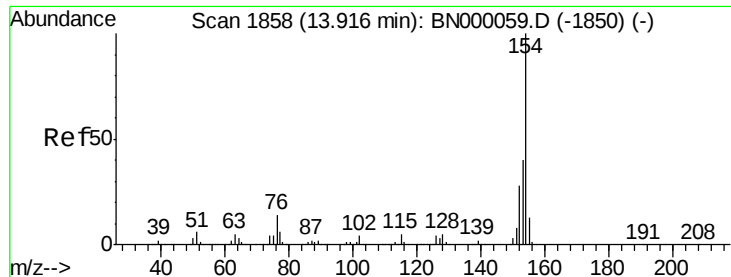
Tot Ion:196 Resp: 8135
Ion Ratio Lower Upper
196 100
198 79.4 76.2 114.4
97 53.0 38.7 58.1
132 28.5 20.2 30.2



#44
2-Fluorobiphenyl
Concen: 99.129 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:172 Resp: 6011898
Ion Ratio Lower Upper
172 100
171 35.9 30.0 45.0
170 23.9 19.5 29.3





#45

1,1'-Biphenyl

Concen: 1.100 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

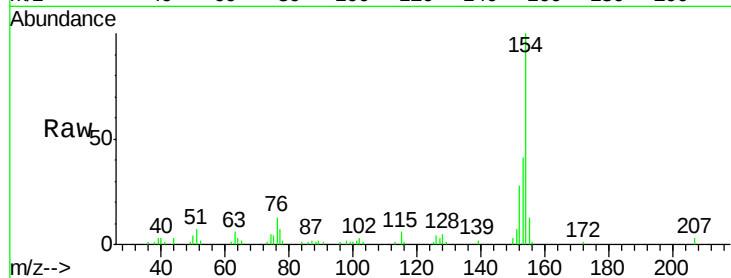
Tot Ion:154 Resp: 82838

Ion Ratio Lower Upper

154 100

153 40.8 19.8 59.8

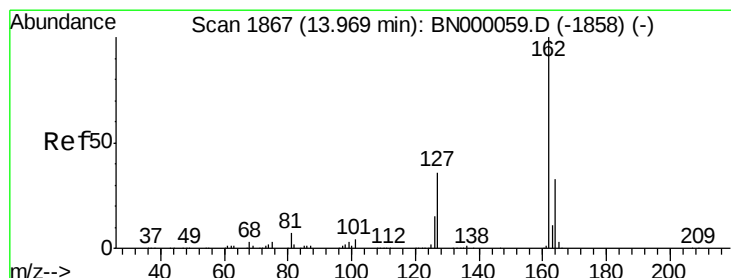
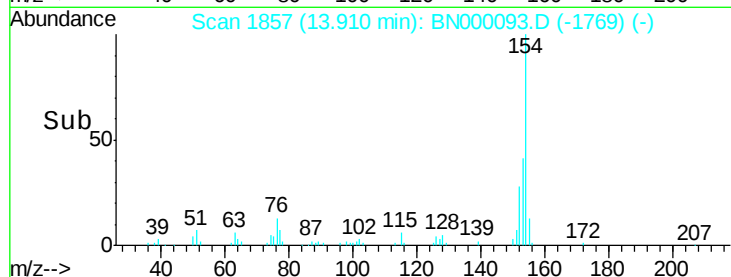
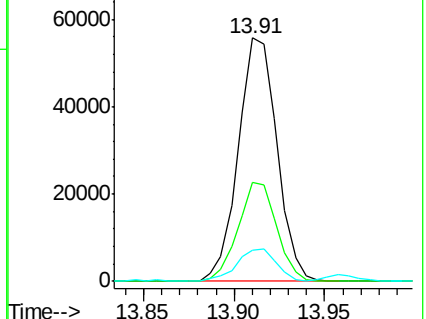
76 13.0 0.0 31.9



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: 0.942 ng

RT: 13.96 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

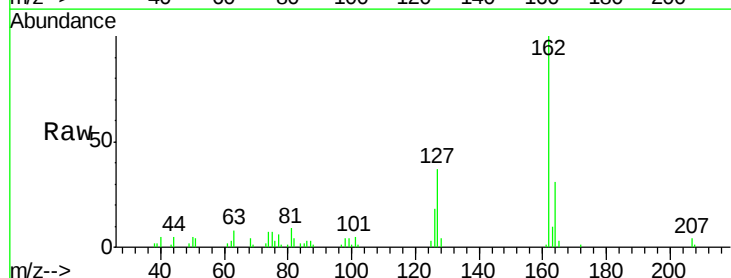
Tgt Ion:162 Resp: 53192

Ion Ratio Lower Upper

162 100

127 36.6 30.7 46.1

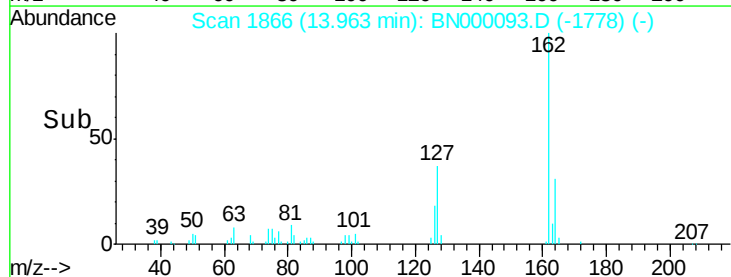
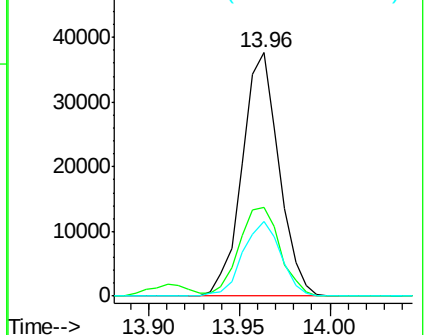
164 30.9 26.0 39.0

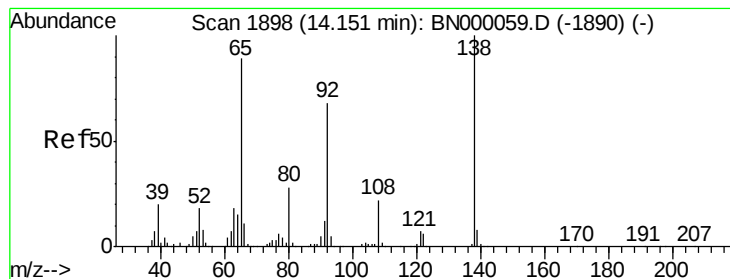


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 5.240 ng

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

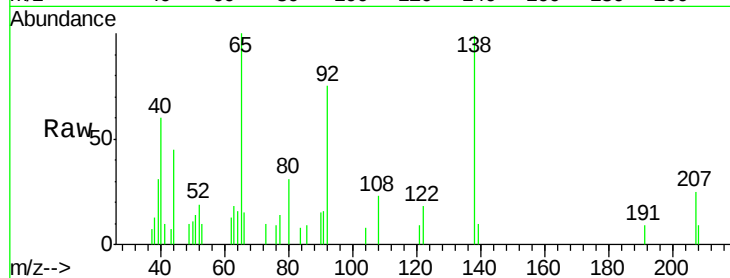
Tot Ion: 65 Resp: 6673

Ion Ratio Lower Upper

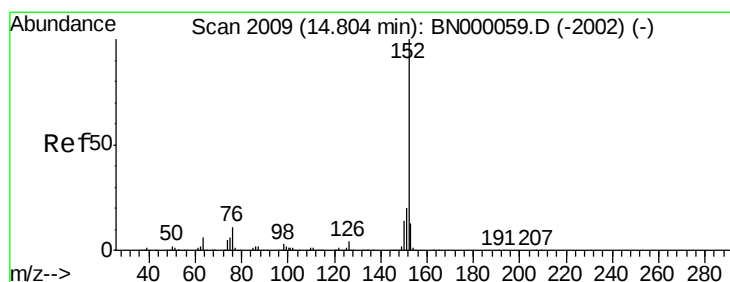
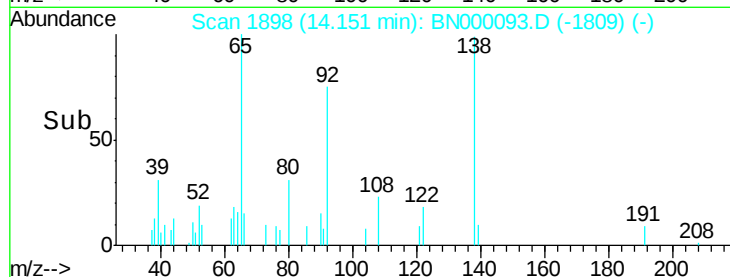
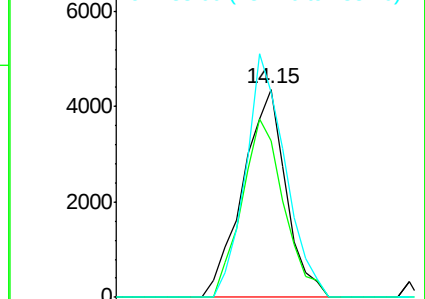
65 100

92 75.3 54.6 82.0

138 98.6 72.9 109.3



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



#48

Acenaphthylene

Concen: 0.672 ng

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

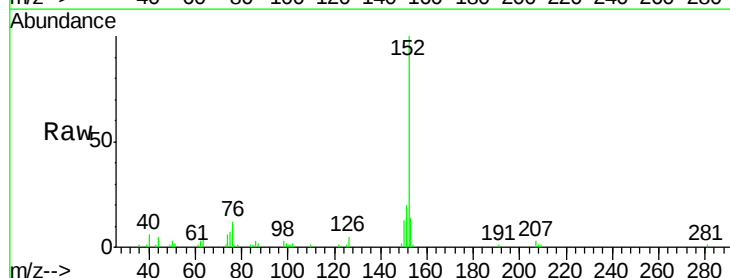
Tgt Ion: 152 Resp: 61139

Ion Ratio Lower Upper

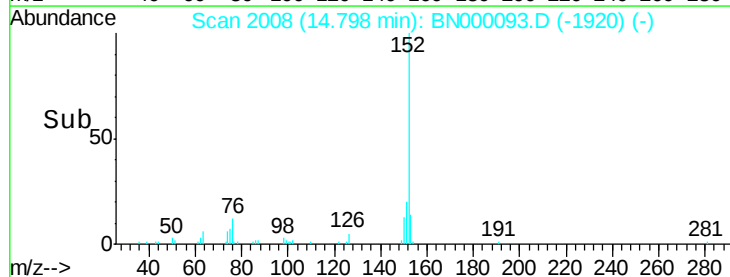
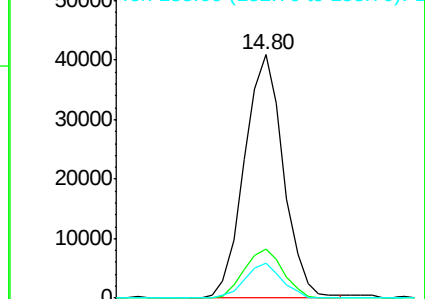
152 100

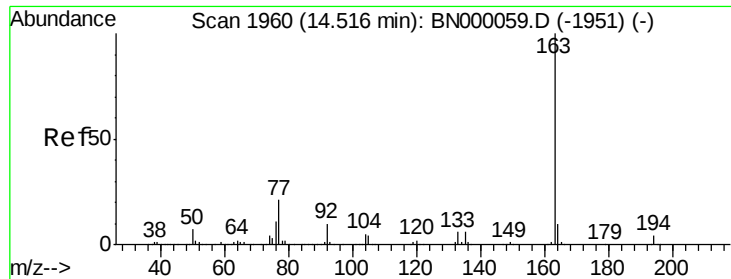
151 20.1 17.2 25.8

153 14.2 10.2 15.4



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





#49

Dimethylphthalate

Concen: 0.742 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

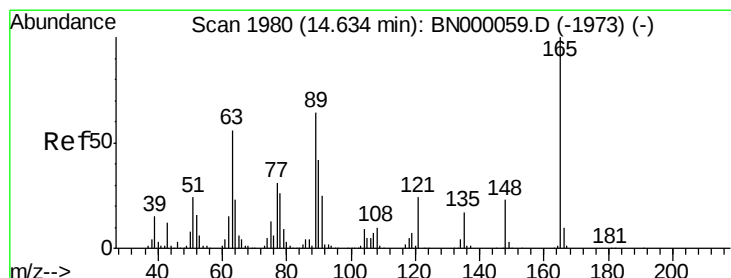
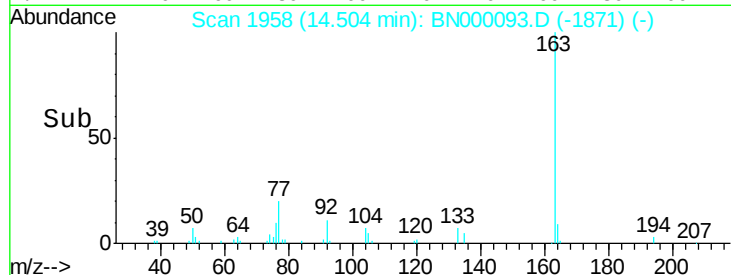
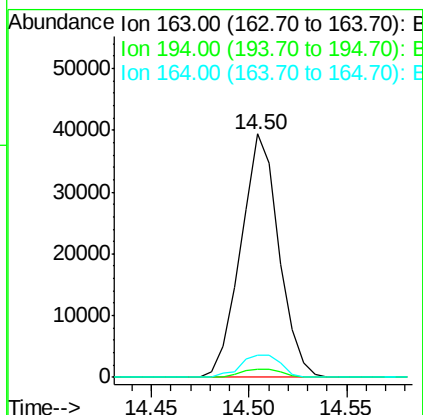
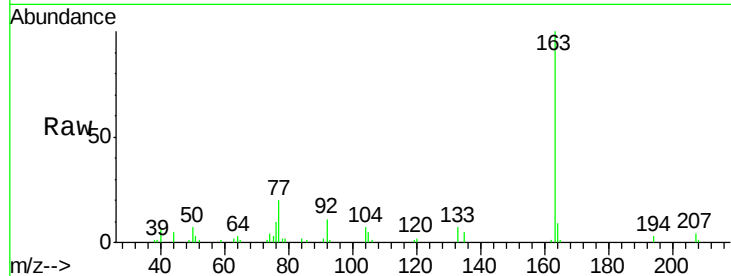
Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:163	Resp:	53015
Ion Ratio	Lower	Upper
163	100	
194	3.3	3.4 5.2#
164	8.9	8.2 12.4



#50

2,6-Dinitrotoluene

Concen: 0.357 ng

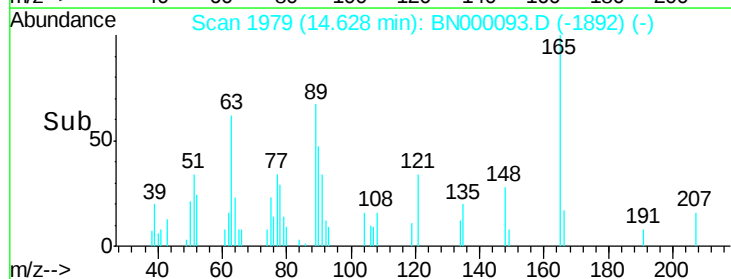
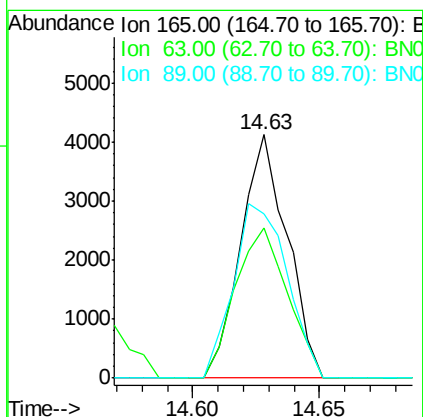
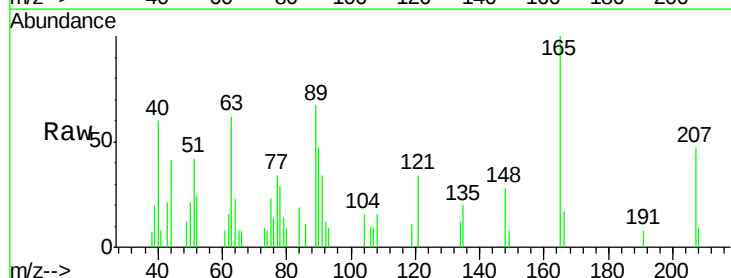
RT: 14.63 min Scan# 1979

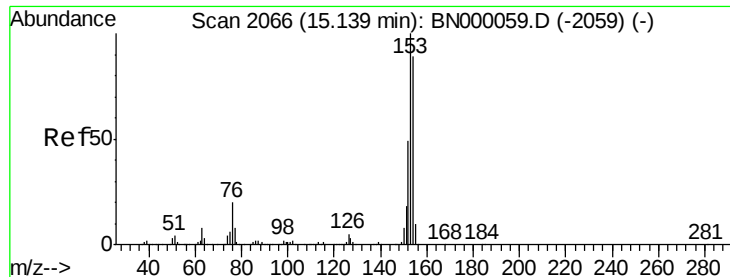
Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Tgt Ion:165	Resp:	5263
Ion Ratio	Lower	Upper
165	100	
63	61.7	52.7 79.1
89	67.2	49.2 73.8





#51

Acenaphthene

Concen: 0.926 ng

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

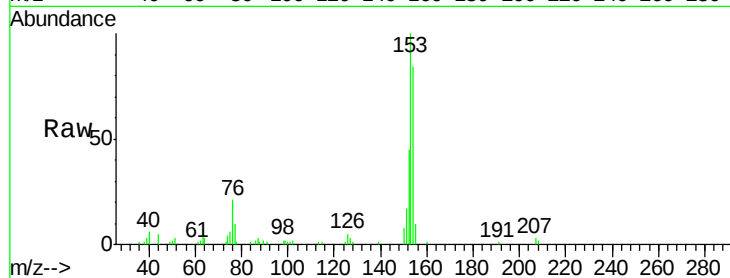
Tot Ion:154 Resp: 54866

Ion Ratio Lower Upper

154 100

153 119.4 90.4 135.6

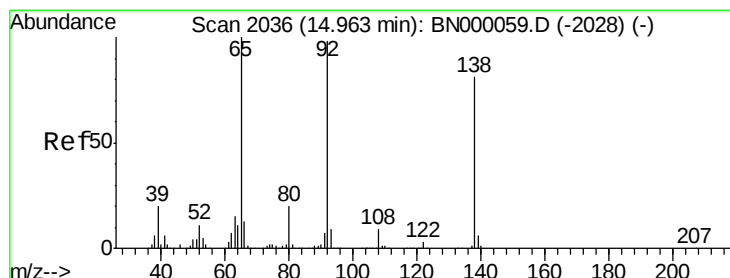
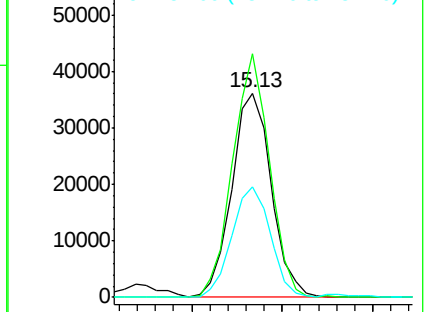
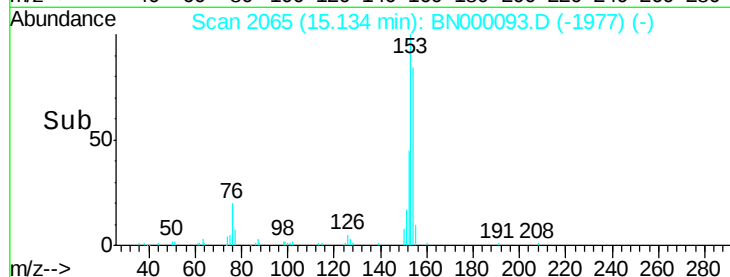
152 54.1 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.367 ng

RT: 14.96 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

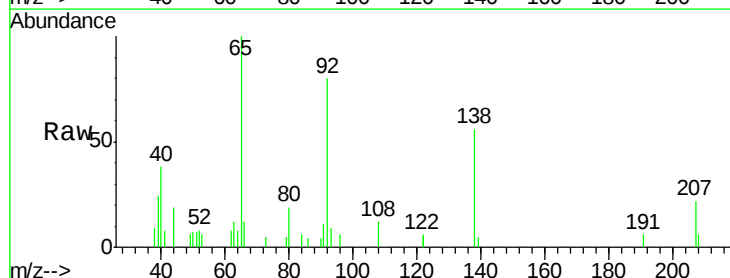
Tgt Ion:138 Resp: 6576

Ion Ratio Lower Upper

138 100

108 21.5 17.5 26.3

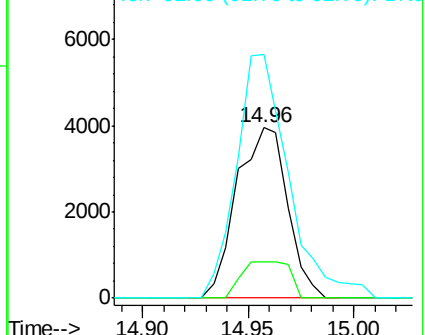
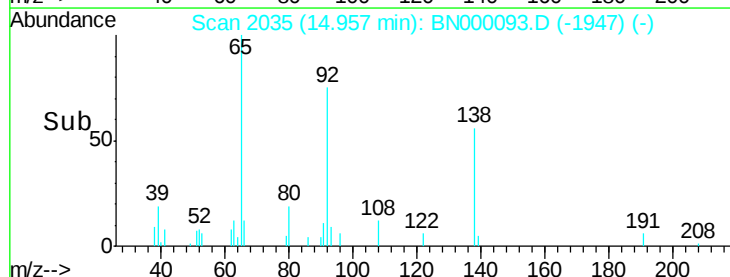
92 142.8 105.8 158.8

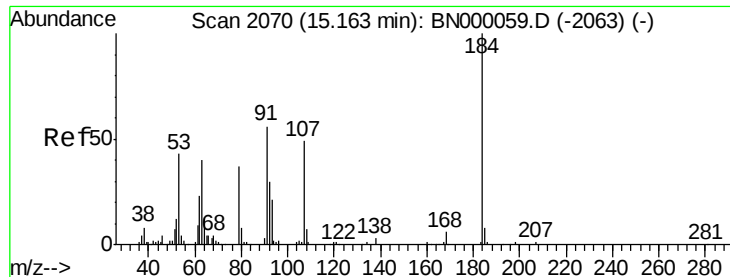


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

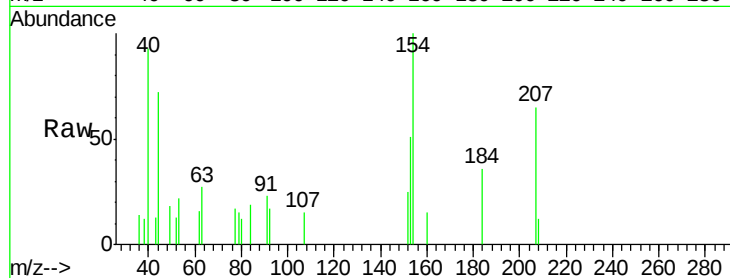




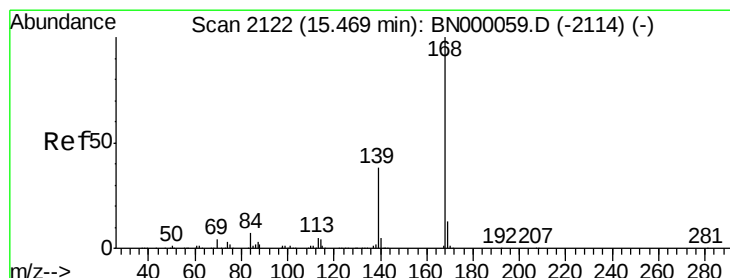
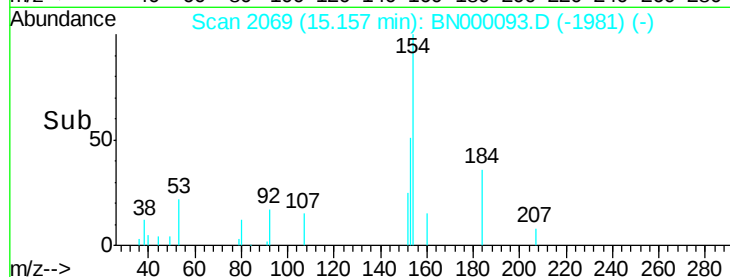
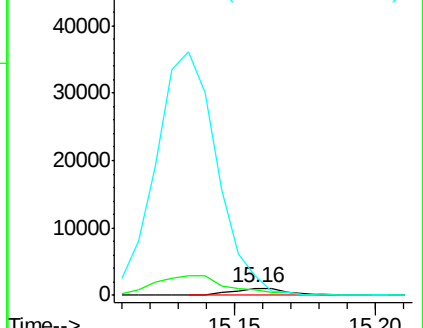
#53
2,4-Dinitrophenol
Concen: 9.465 ng
RT: 15.16 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

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

Tot Ion:184 Resp: 1402
Ion Ratio Lower Upper
184 100
63 76.1 80.0 120.0#
154 281.4 308.0 462.0#

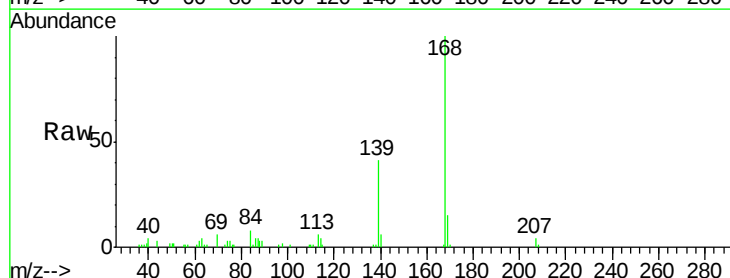


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BNO
Ion 154.00 (153.70 to 154.70): E

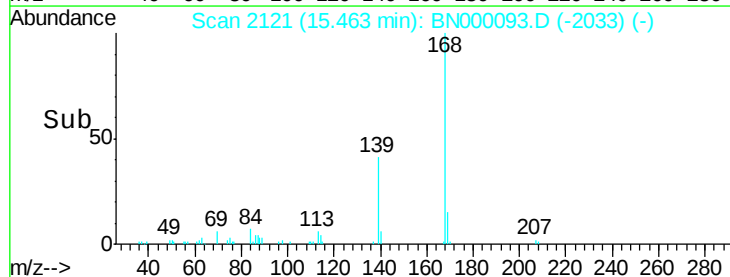
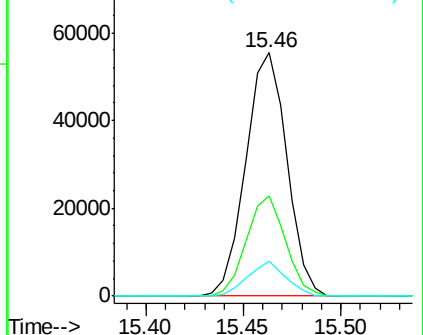


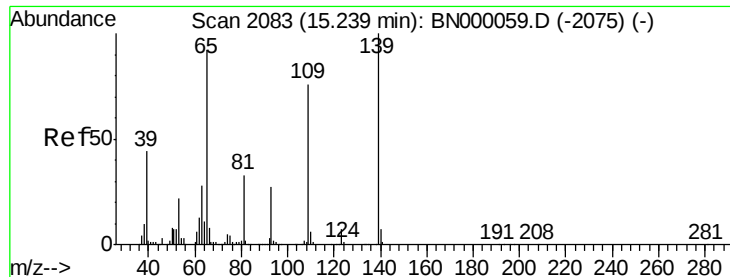
#54
Dibenzofuran
Concen: 0.963 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:168 Resp: 80782
Ion Ratio Lower Upper
168 100
139 41.2 28.6 43.0
169 14.5 11.2 16.8



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

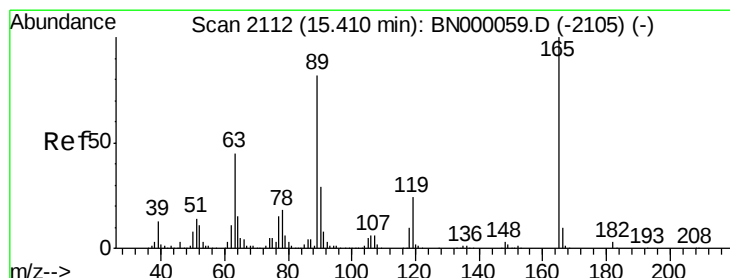
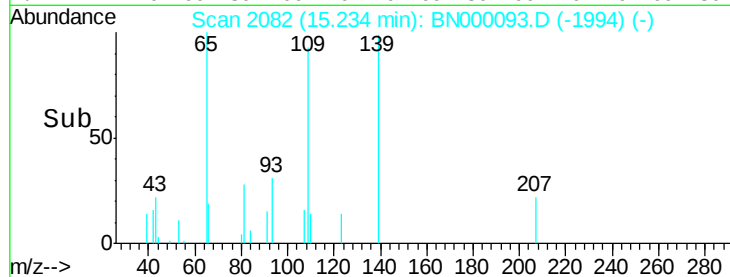
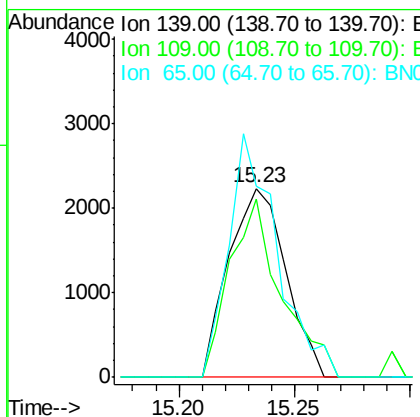
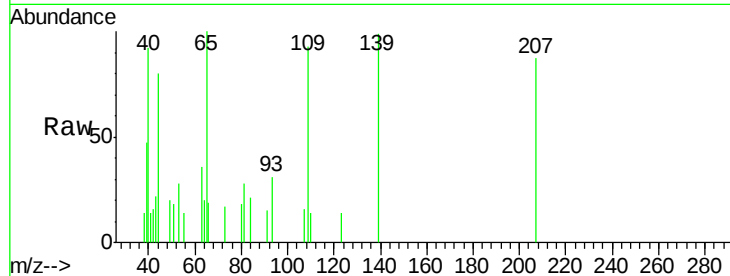




#55
4-Nitrophenol
Concen: 5.222 ng
RT: 15.23 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

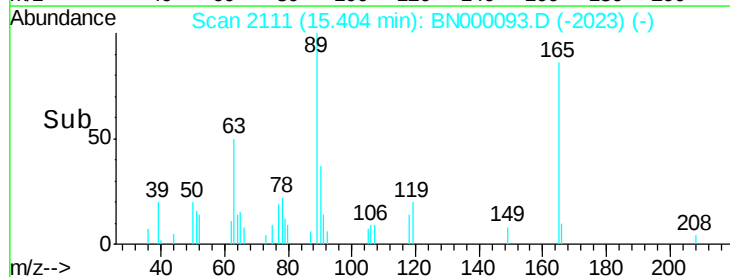
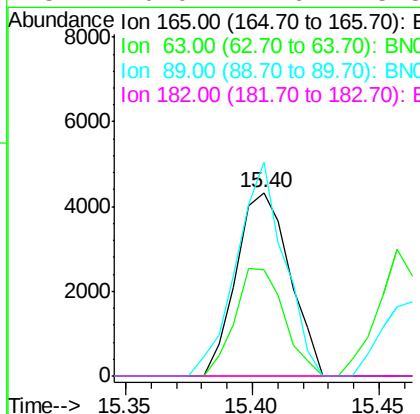
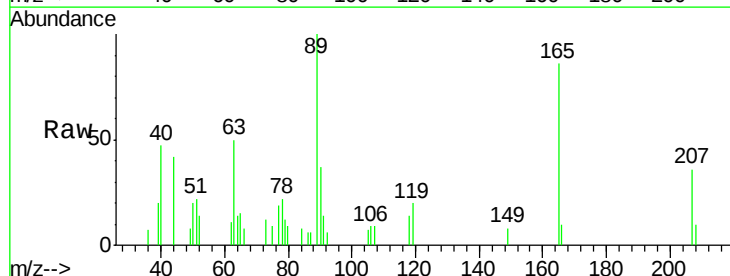
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

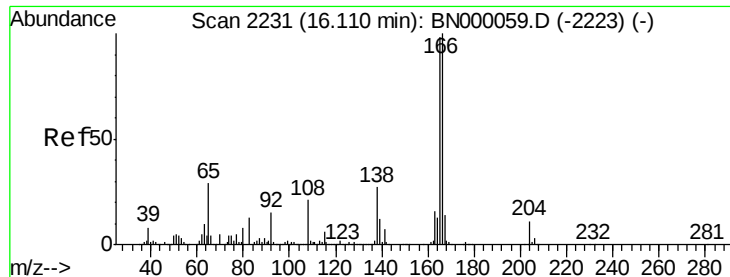
Tot Ion:139 Resp: 3842
Ion Ratio Lower Upper
139 100
109 94.1 62.2 102.2
65 101.3 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 4.458 ng
RT: 15.40 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:165 Resp: 6371
Ion Ratio Lower Upper
165 100
63 58.3 42.0 63.0
89 116.6 66.9 100.3#
182 0.0 2.6 3.8#





#57

Fluorene

Concen: 0.851 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

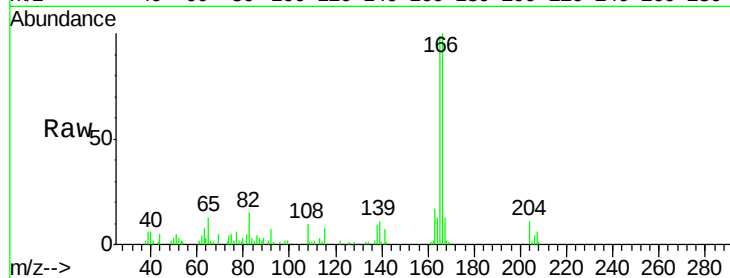
Tot Ion:166 Resp: 58264

Ion Ratio Lower Upper

166 100

165 98.9 80.6 121.0

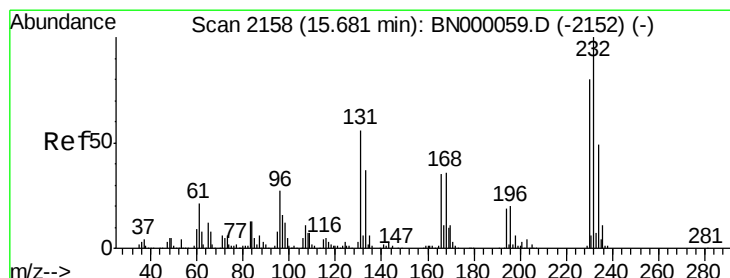
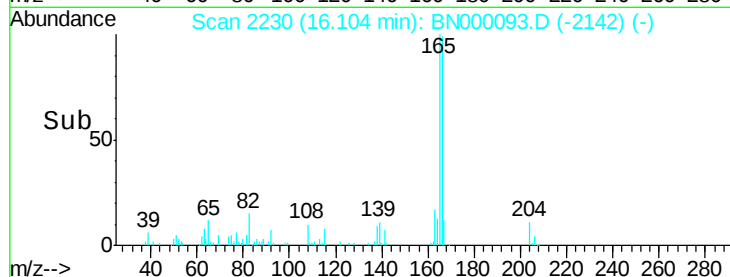
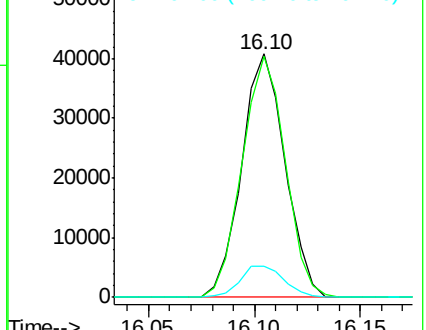
167 12.8 10.4 15.6



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: 0.453 ng

RT: 15.67 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Tgt Ion:232 Resp: 6496

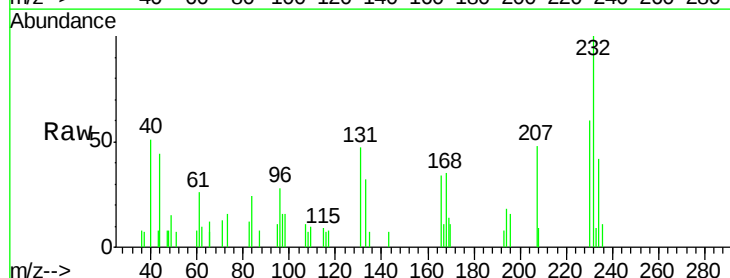
Ion Ratio Lower Upper

232 100

131 52.7 33.5 50.3#

130 0.0 2.2 3.2#

166 35.9 24.8 37.2

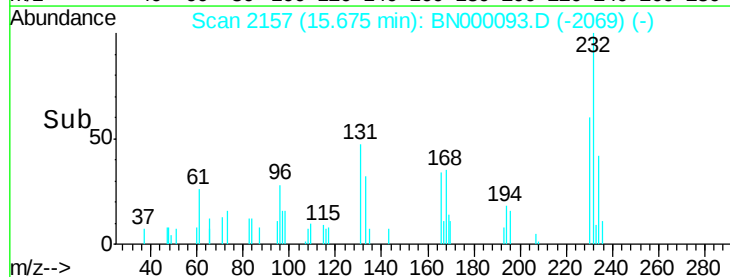
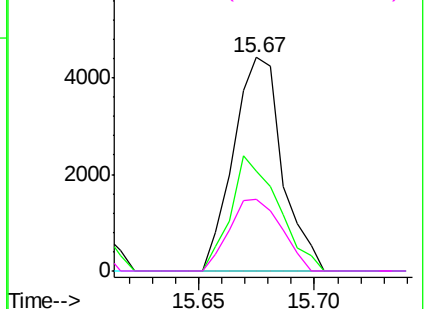


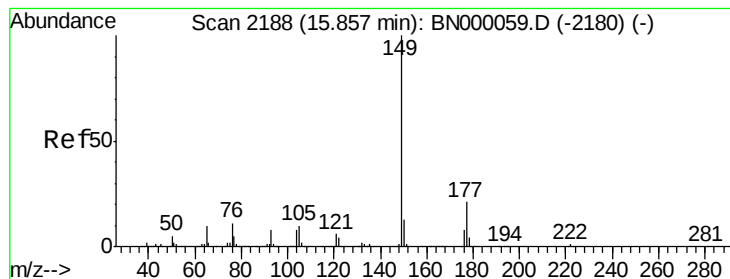
Abundance Ion 232.00 (231.70 to 232.70): E

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: 0.657 ng

RT: 15.85 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

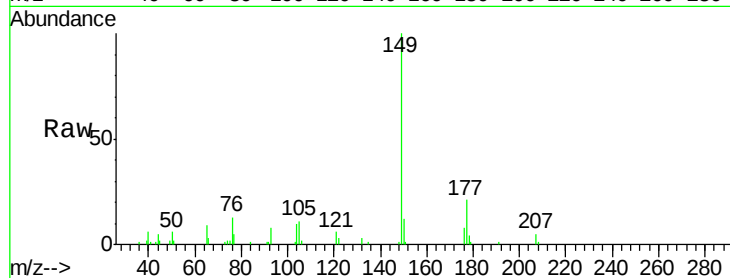
Tot Ion:149 Resp: 47679

Ion Ratio Lower Upper

149 100

177 20.9 18.5 27.7

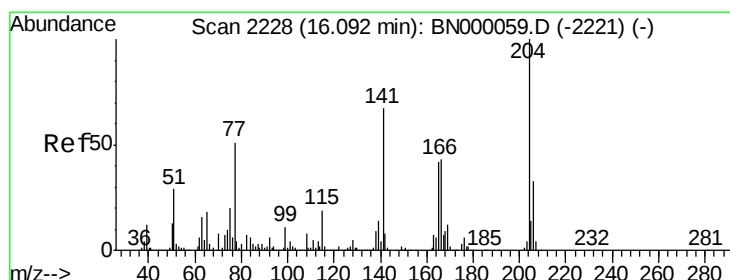
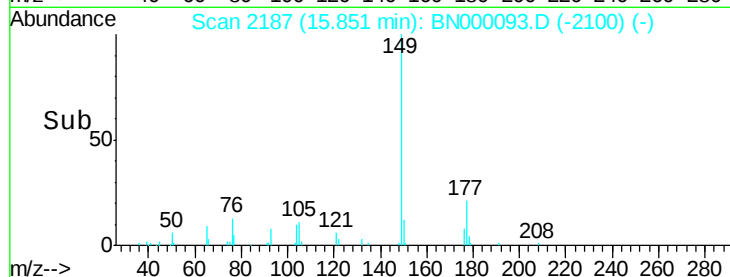
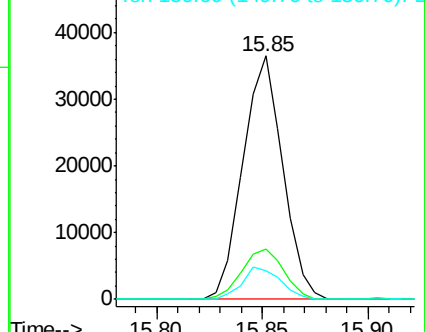
150 11.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 0.934 ng

RT: 16.09 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

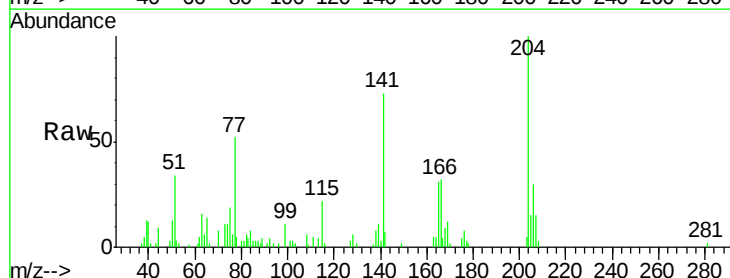
Tgt Ion:204 Resp: 29172

Ion Ratio Lower Upper

204 100

206 30.1 26.2 39.2

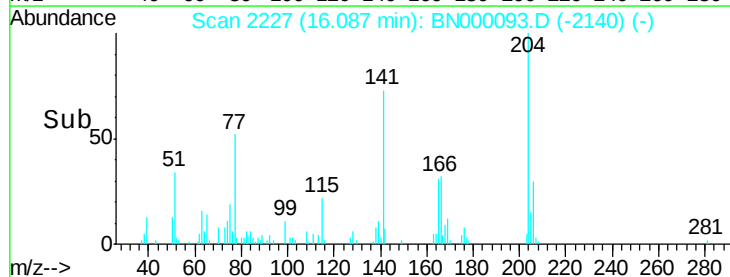
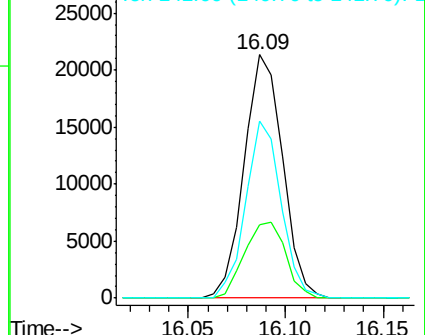
141 72.9 45.8 68.6#

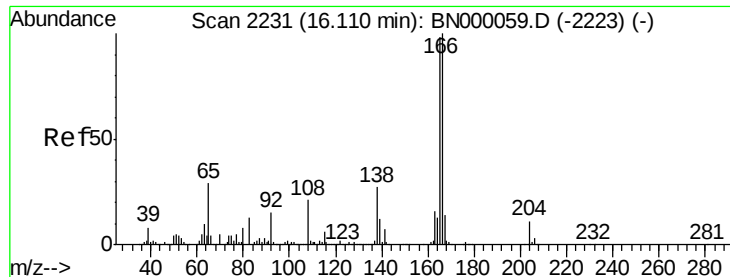


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

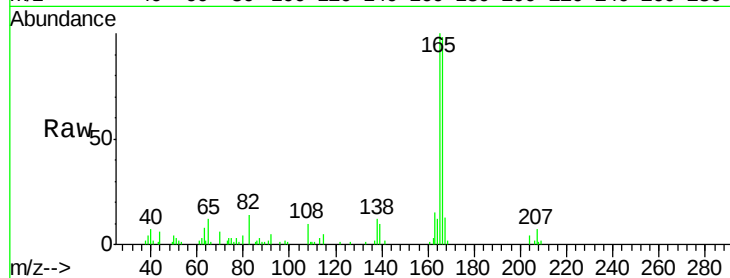




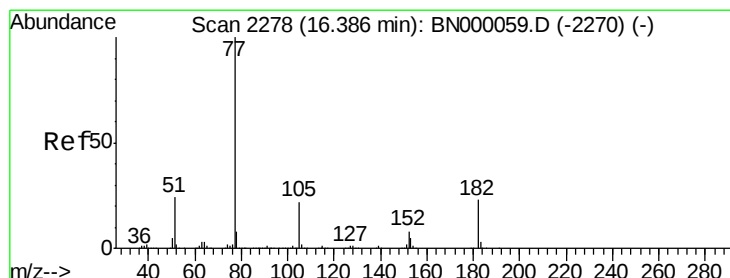
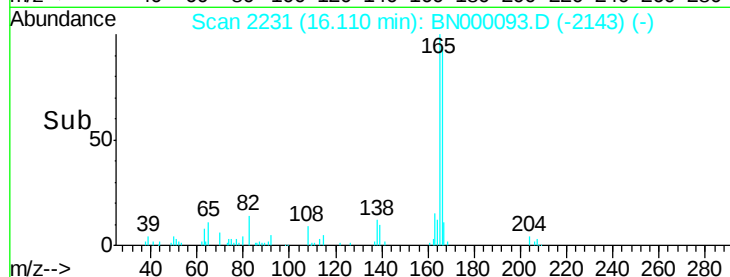
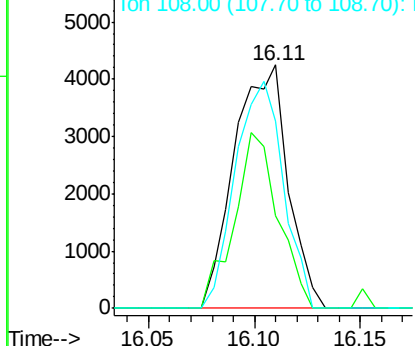
#61
4-Nitroaniline
Concen: 0.405 ng
RT: 16.11 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

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

Tot Ion:138 Resp: 7463
Ion Ratio Lower Upper
138 100
92 38.0 40.1 80.1#
108 76.8 65.4 105.4

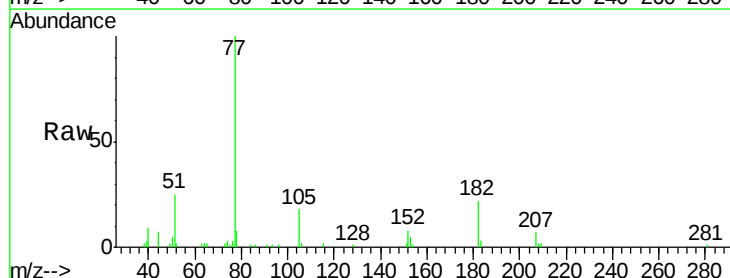


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNC
Ion 108.00 (107.70 to 108.70): E

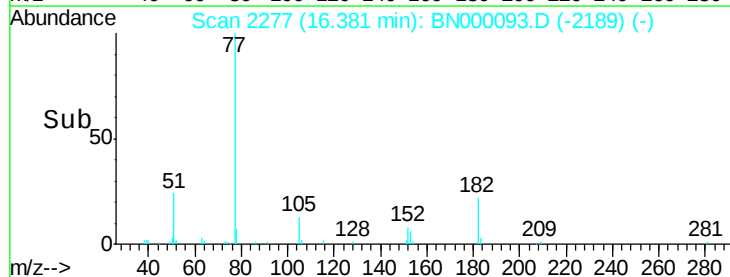
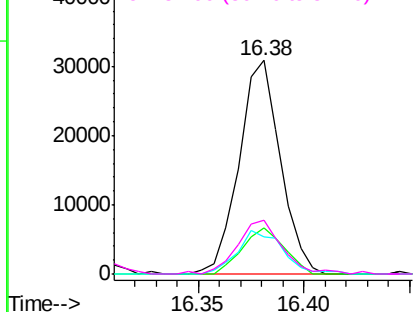


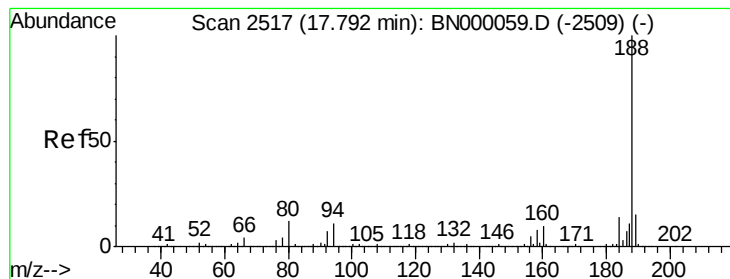
#62
Azobenzene
Concen: 0.579 ng
RT: 16.38 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion: 77 Resp: 41869
Ion Ratio Lower Upper
77 100
182 21.8 7.4 47.4
105 17.6 0.3 40.3
51 25.3 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: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

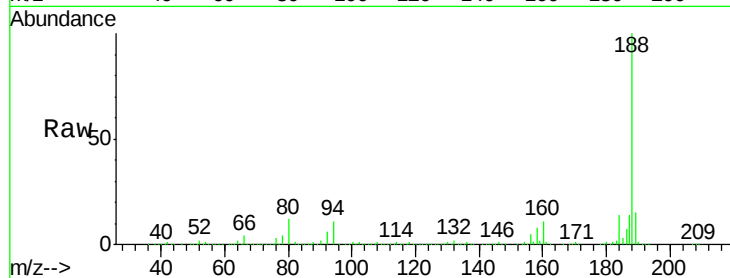
Tot Ion:188 Resp: 1974549

Ion Ratio Lower Upper

188 100

94 11.4 6.9 10.3#

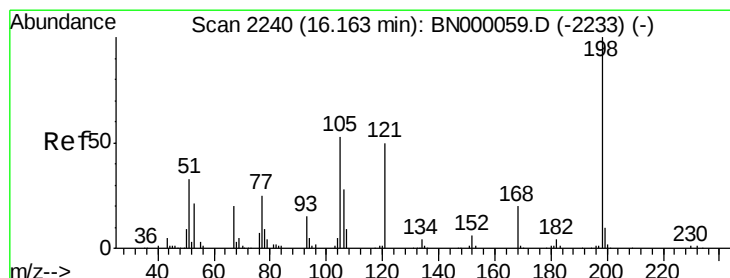
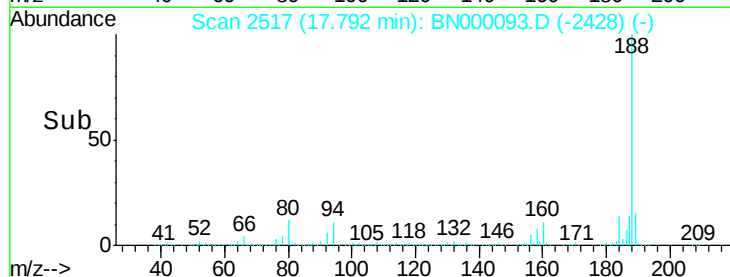
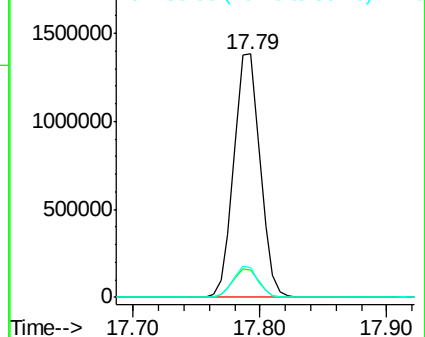
80 12.2 7.7 11.5#



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: 8.921 ng

RT: 16.16 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

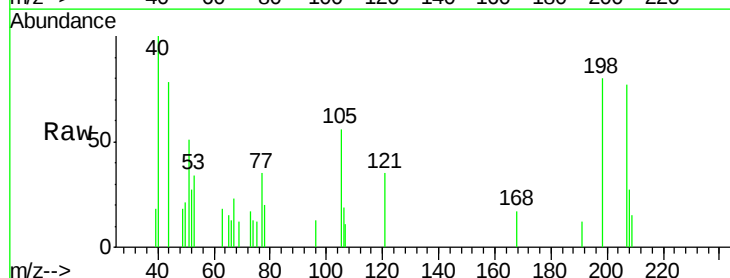
Tgt Ion:198 Resp: 2443

Ion Ratio Lower Upper

198 100

51 64.0 30.6 70.6

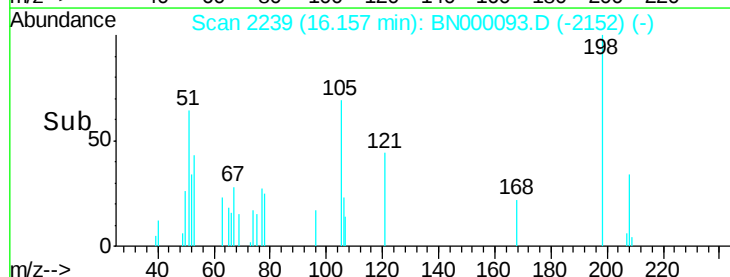
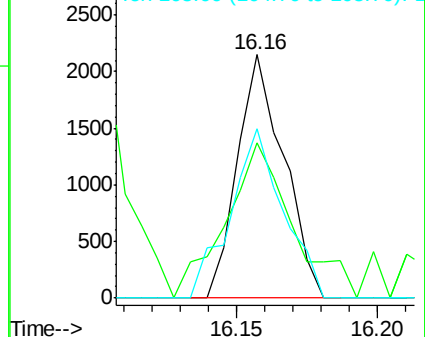
105 69.3 23.8 63.8#

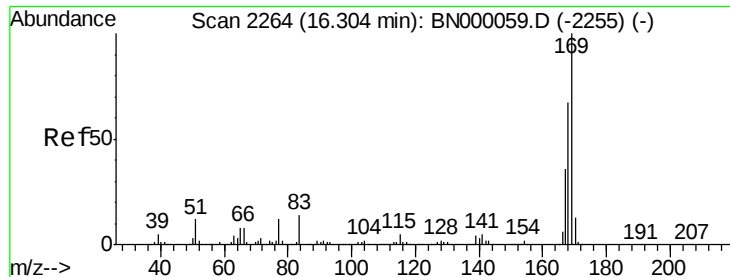


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

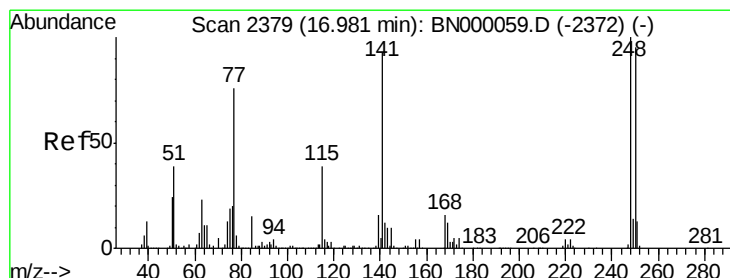
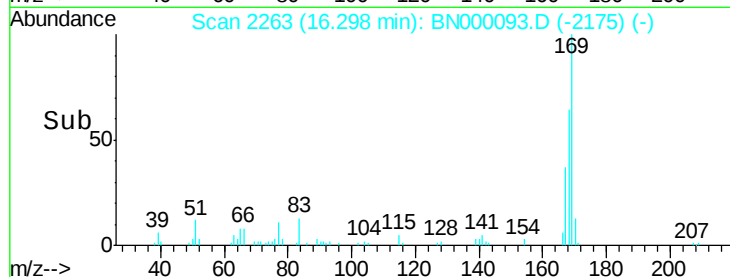
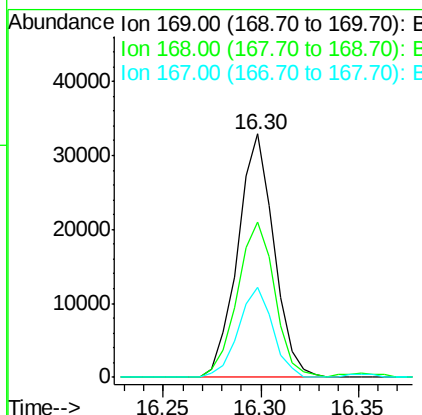
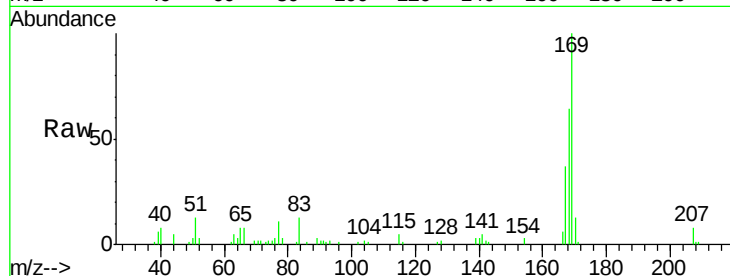




#65
n-Nitrosodiphenylamine
Concen: 0.659 ng
RT: 16.30 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

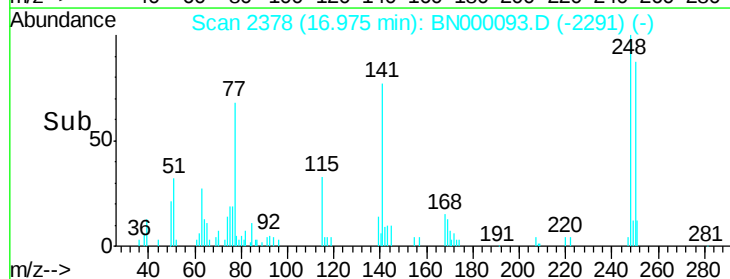
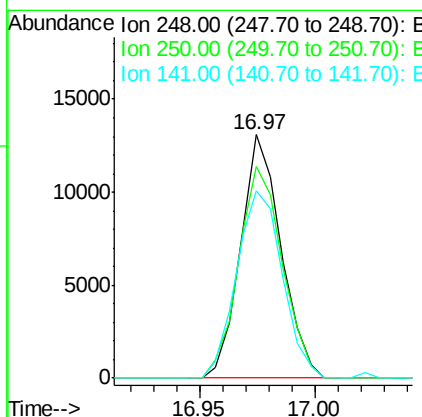
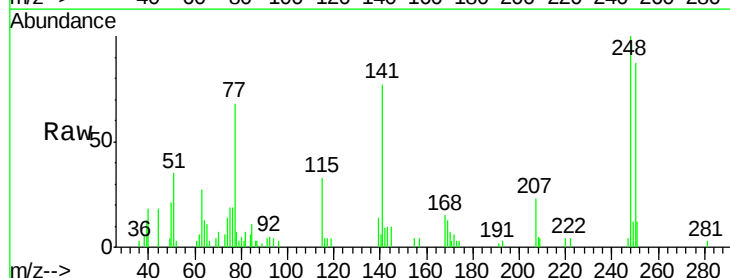
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

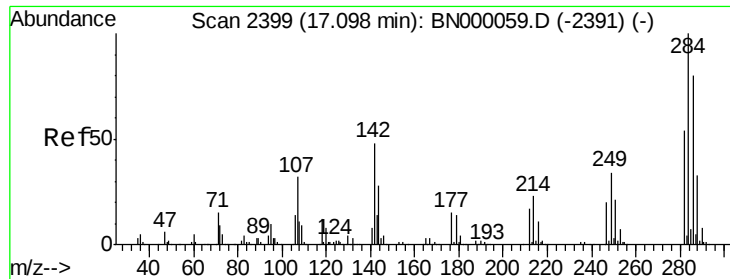
Tot Ion:169 Resp: 42368
Ion Ratio Lower Upper
169 100
168 63.5 55.7 83.5
167 36.9 30.1 45.1



#66
4-Bromophenyl-phenylether
Concen: 0.852 ng
RT: 16.97 min Scan# 2378
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:248 Resp: 16001
Ion Ratio Lower Upper
248 100
250 87.0 77.1 115.7
141 77.1 50.8 76.2#

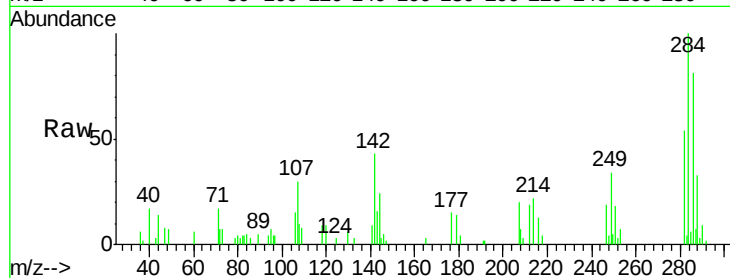




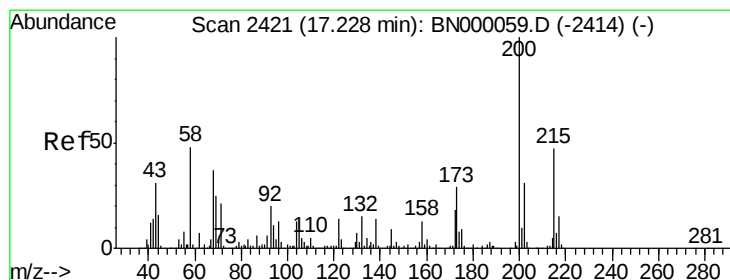
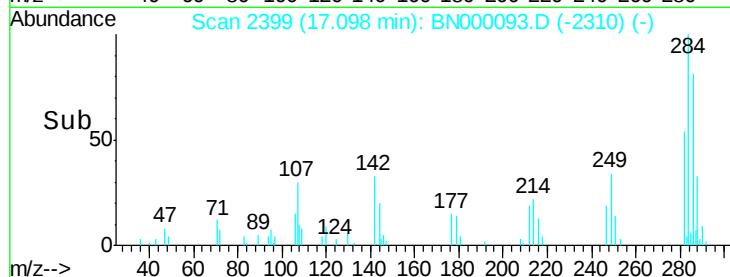
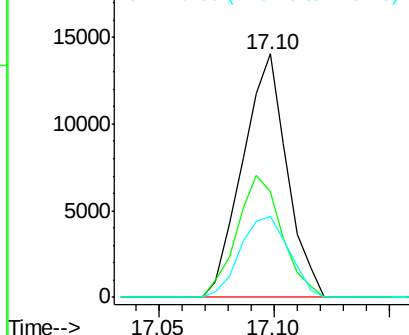
#67
Hexachlorobenzene
Concen: 0.857 ng
RT: 17.10 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

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

Tot Ion:284 Resp: 18791
Ion Ratio Lower Upper
284 100
142 43.4 26.8 40.2#
249 33.5 26.3 39.5

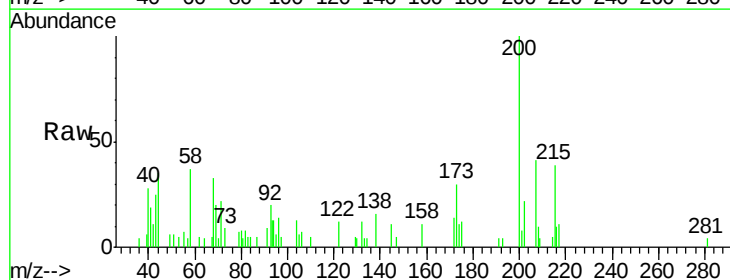


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

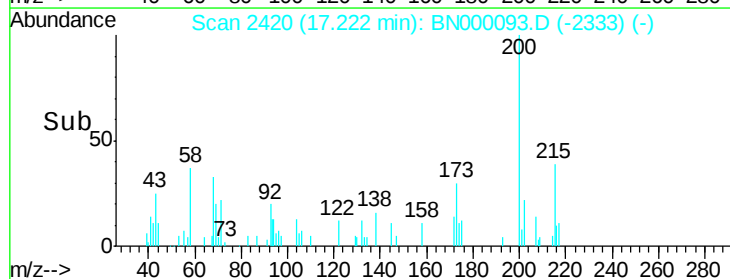
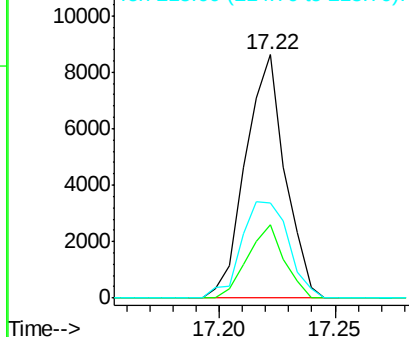


#68
Atrazine
Concen: 0.493 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion:200 Resp: 10314
Ion Ratio Lower Upper
200 100
173 30.3 5.2 45.2
215 38.9 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

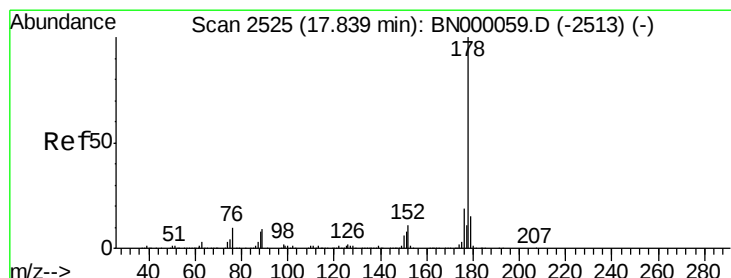
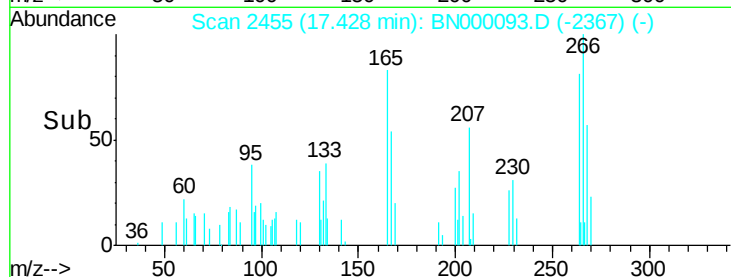
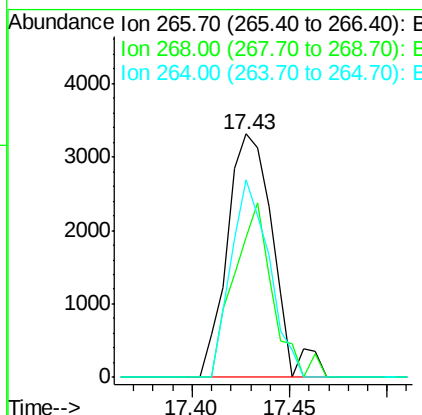
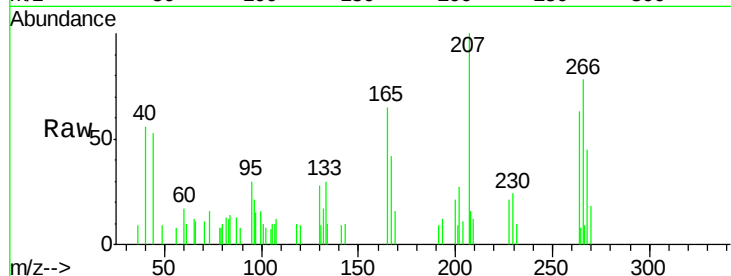




#69
 Pentachlorophenol
 Concen: 6.162 ng
 RT: 17.43 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

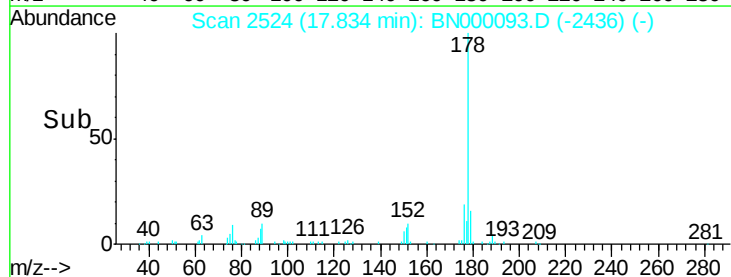
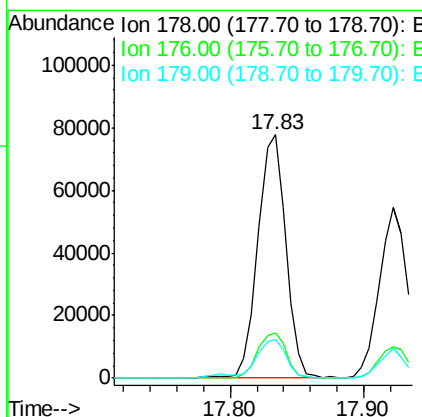
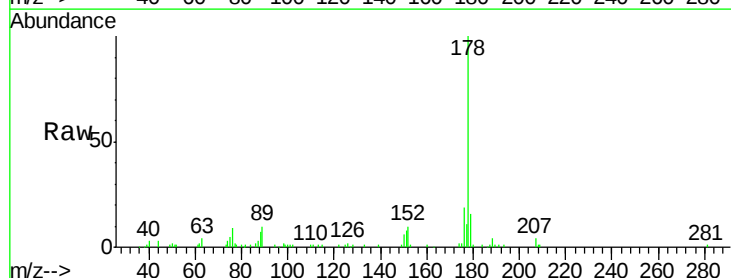
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

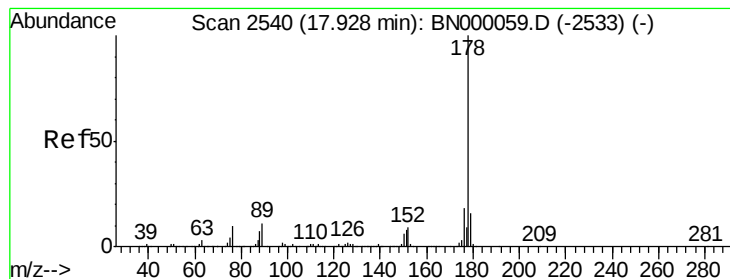
Tot Ion:266 Resp: 5402
 Ion Ratio Lower Upper
 266 100
 268 57.4 51.1 76.7
 264 81.1 49.6 74.4#



#70
 Phenanthrene
 Concen: 0.962 ng
 RT: 17.83 min Scan# 2524
 Delta R.T. -0.01 min
 Lab File: BN000093.D
 Acq: 15 Feb 2018 12:58

Tgt Ion:178 Resp: 112210
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.7 23.5
 179 16.1 12.5 18.7





#71

Anthracene

Concen: 0.745 ng

RT: 17.92 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

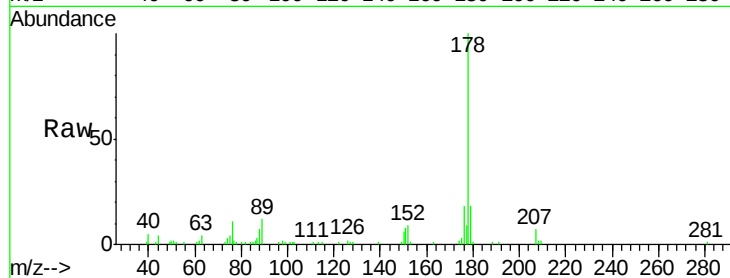
Tot Ion:178 Resp: 84161

Ion Ratio Lower Upper

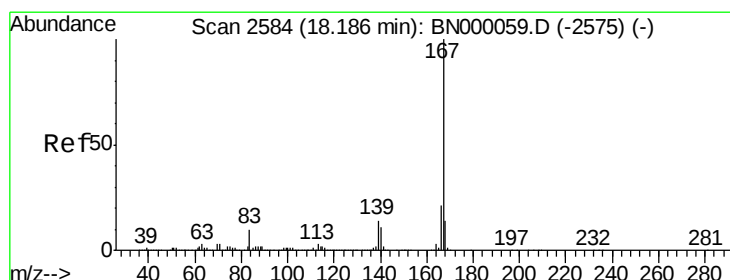
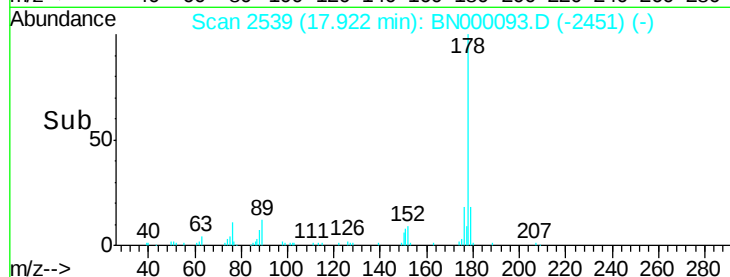
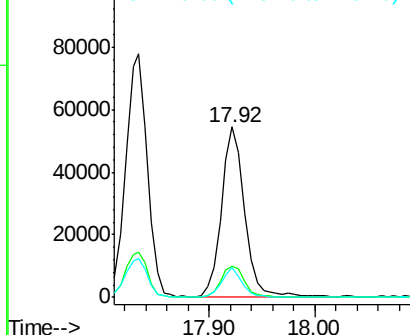
178 100

176 18.3 16.0 24.0

179 17.7 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



#72

Carbazole

Concen: 0.676 ng

RT: 18.18 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

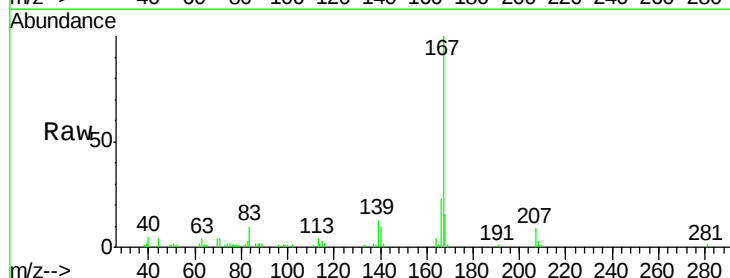
Tgt Ion:167 Resp: 76925

Ion Ratio Lower Upper

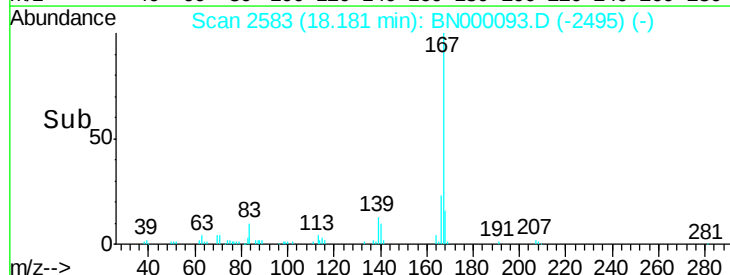
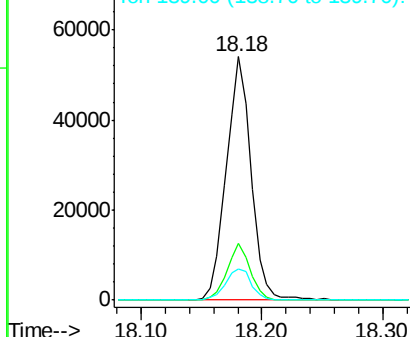
167 100

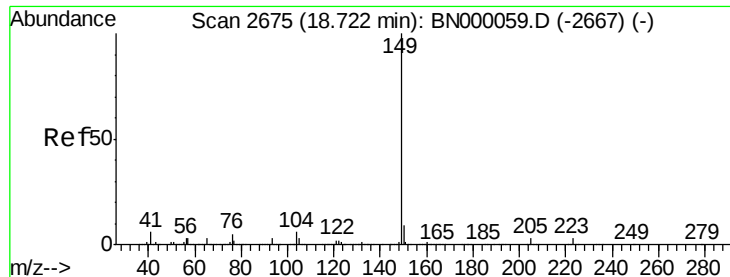
166 23.1 18.2 27.4

139 12.5 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: 0.448 ng

RT: 18.71 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

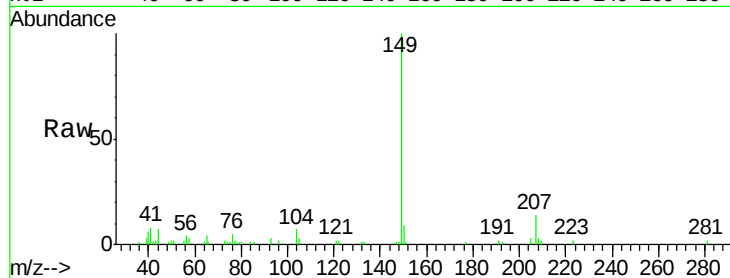
Tot Ion:149 Resp: 56223

Ion Ratio Lower Upper

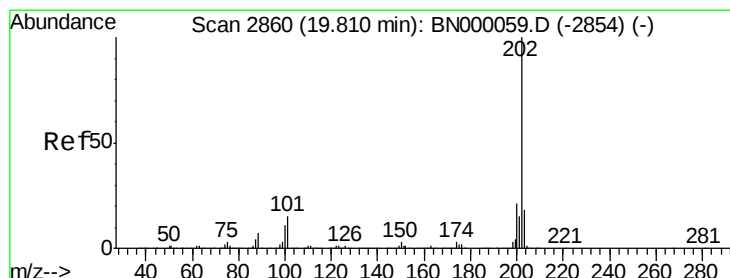
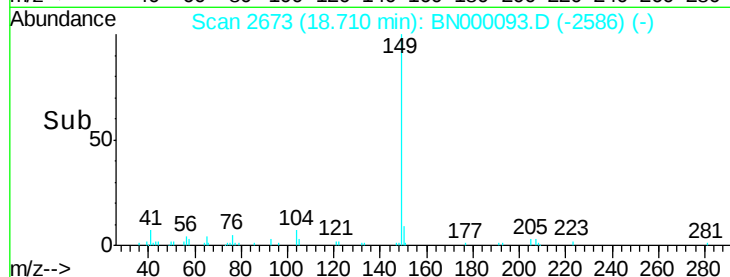
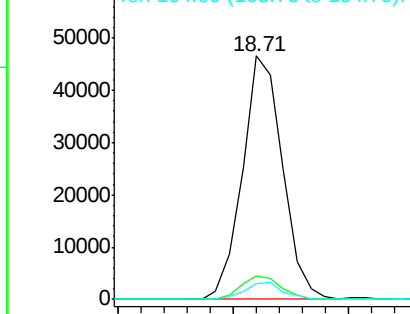
149 100

150 9.4 7.8 11.6

104 6.5 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: 0.777 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

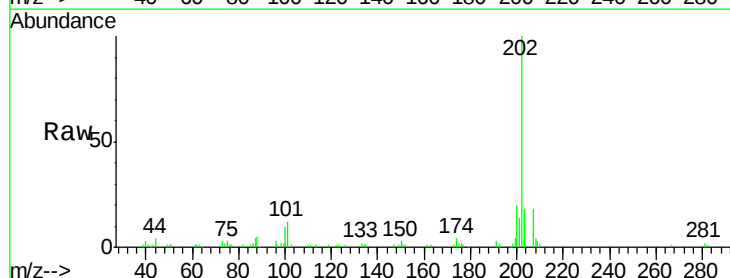
Tgt Ion:202 Resp: 95130

Ion Ratio Lower Upper

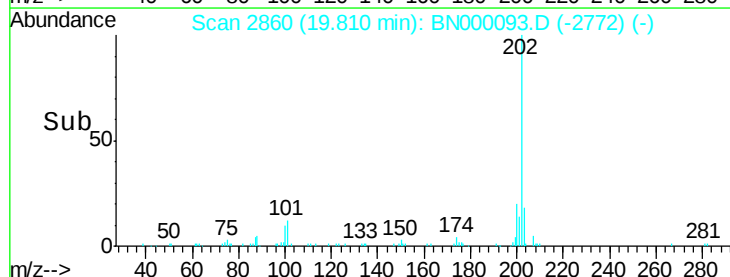
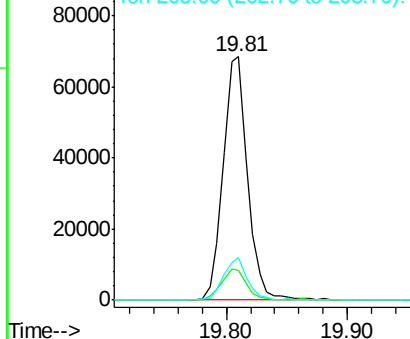
202 100

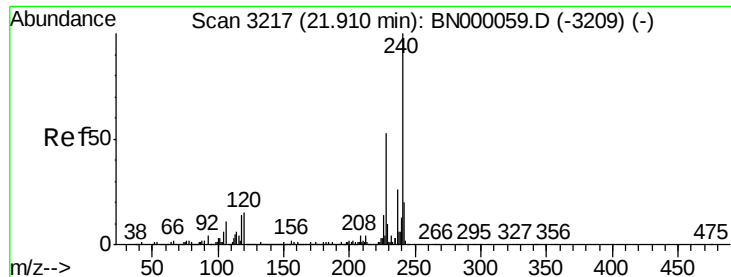
101 12.3 0.0 28.9

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: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

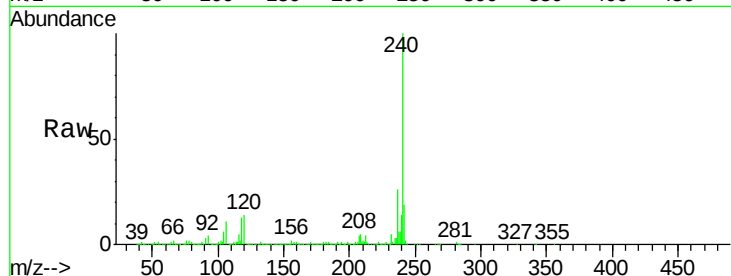
Tot Ion:240 Resp: 2223634

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

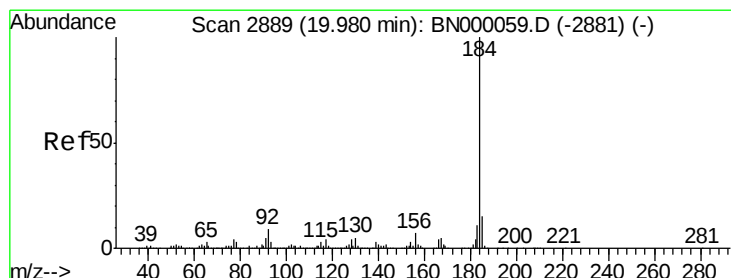
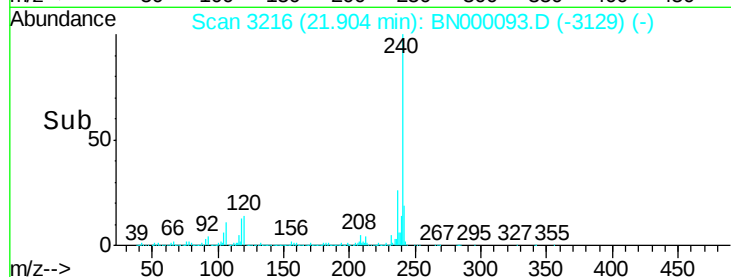
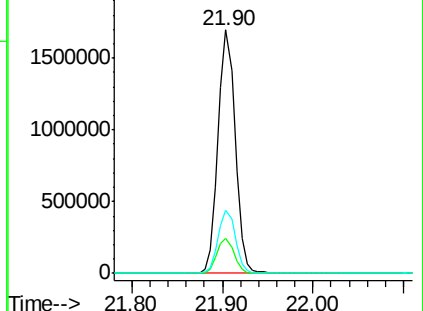
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.256 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

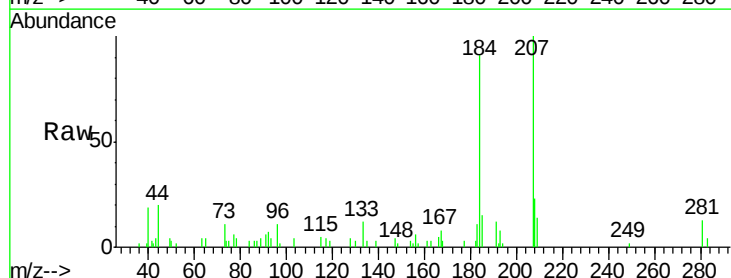
Tgt Ion:184 Resp: 18171

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

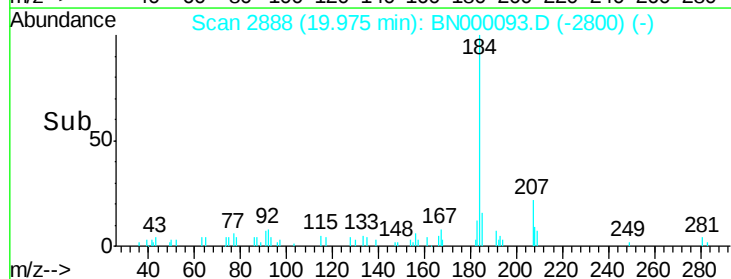
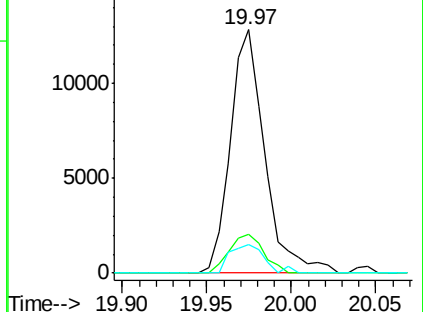
183 11.9 10.6 16.0

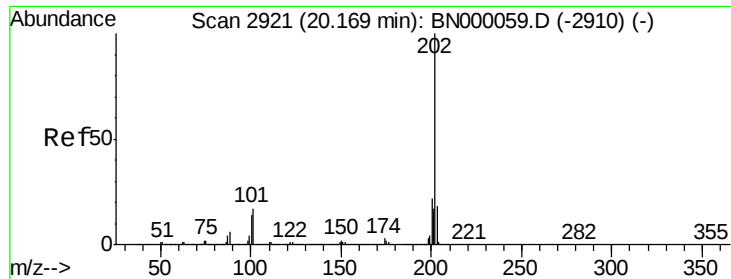


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

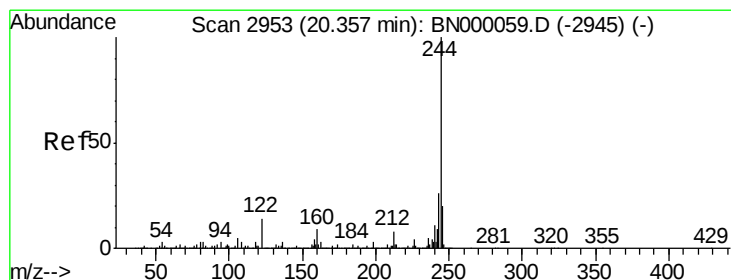
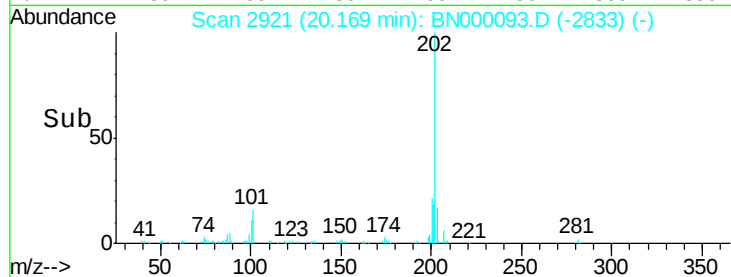
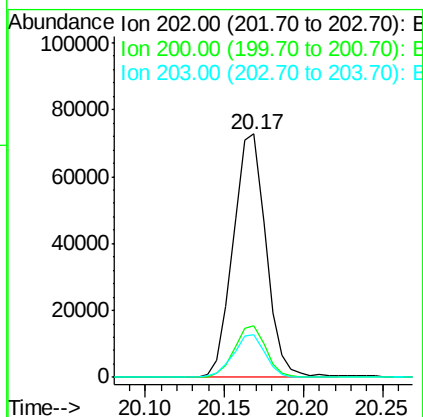
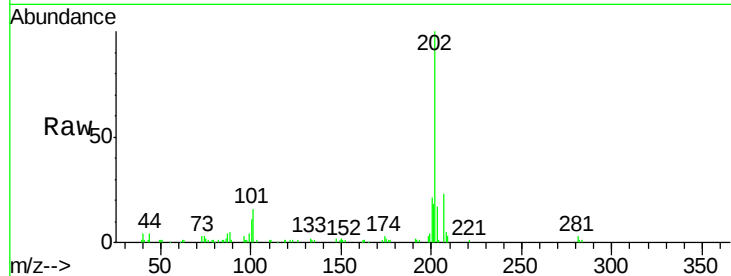




#77
Pvrene
Concen: 0.741 ng
RT: 20.17 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

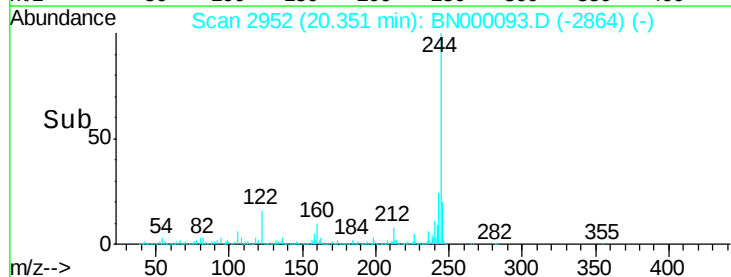
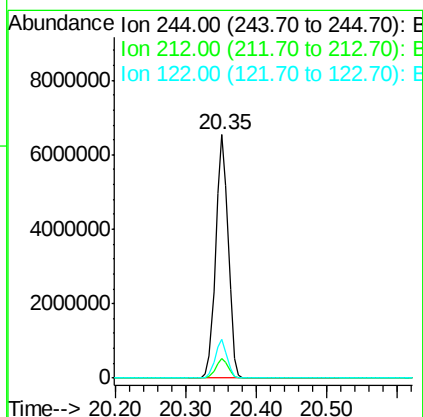
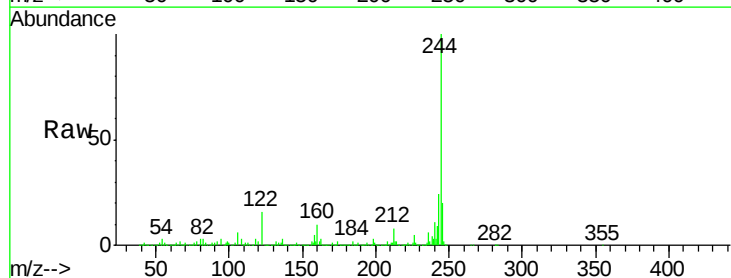
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

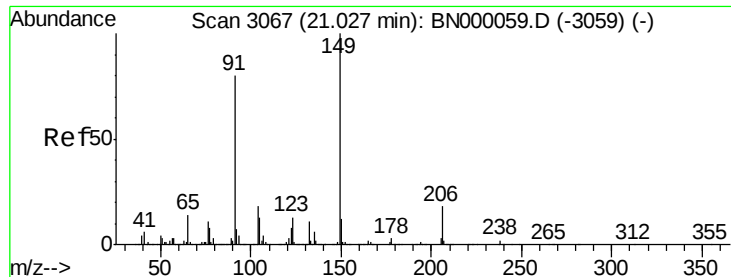
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.3	13.9	20.9



#78
Terphenyl-d14
Concen: 98.009 ng
RT: 20.35 min Scan# 2952
Delta R.T. -0.01 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.8
122	15.8	7.0	10.4

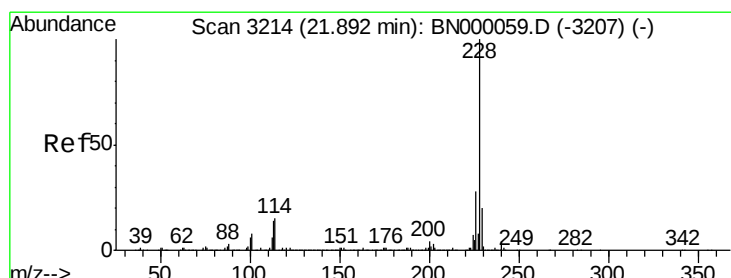
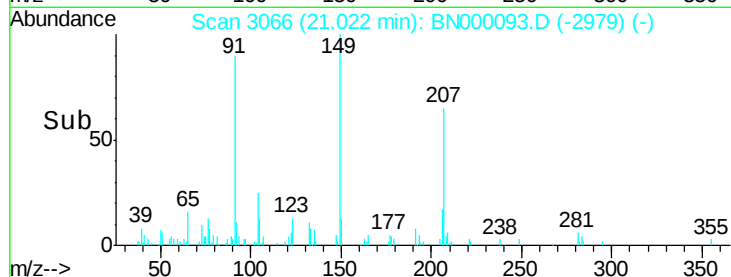
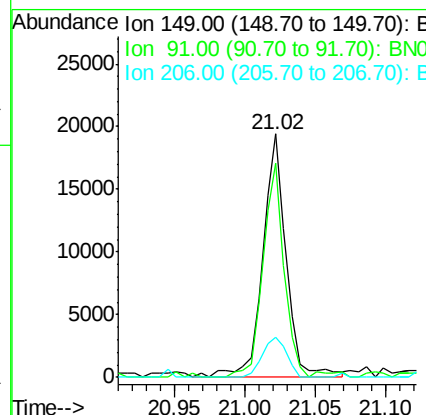
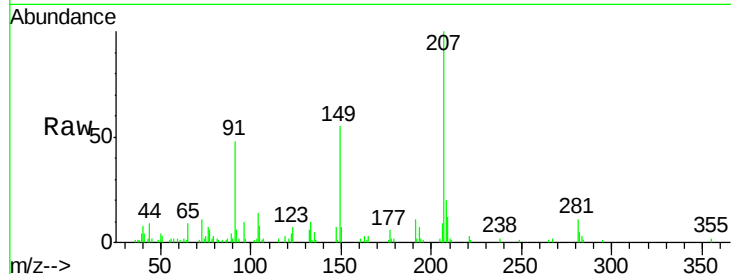




#79
Butylbenzylphthalate
Concen: 5.679 ng
RT: 21.02 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

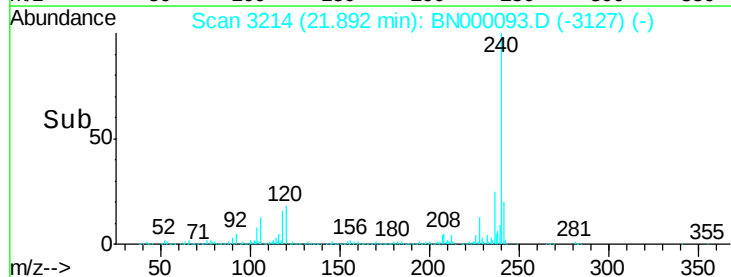
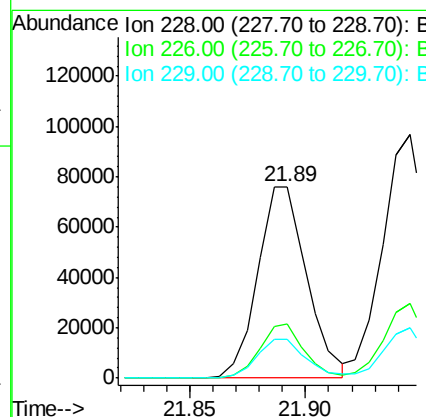
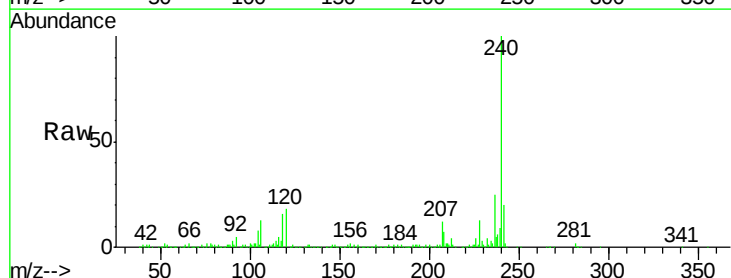
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2018

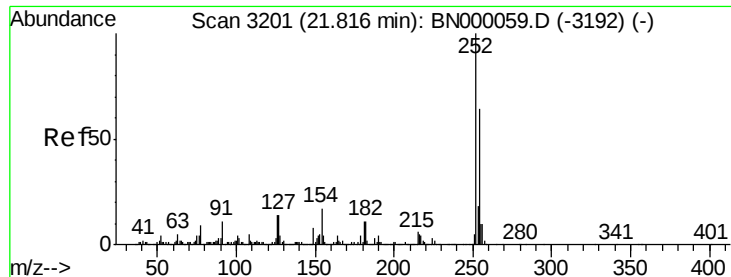
Tot Ion	Ratio	Lower	Upper
149	100		
91	88.1	62.2	93.2
206	16.3	18.6	27.8#



#80
Benzo(a)anthracene
Concen: 0.823 ng
RT: 21.89 min Scan# 3214
Delta R.T. -0.02 min
Lab File: BN000093.D
Acq: 15 Feb 2018 12:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	20.3	16.2	24.2





#81

3,3'-Dichlorobenzidine

Concen: 0.383 ng

RT: 21.81 min Scan# 3200

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

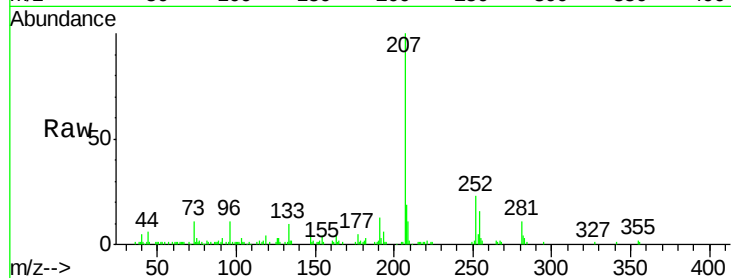
Tot Ion:252 Resp: 19239

Ion Ratio Lower Upper

252 100

254 68.0 50.8 76.2

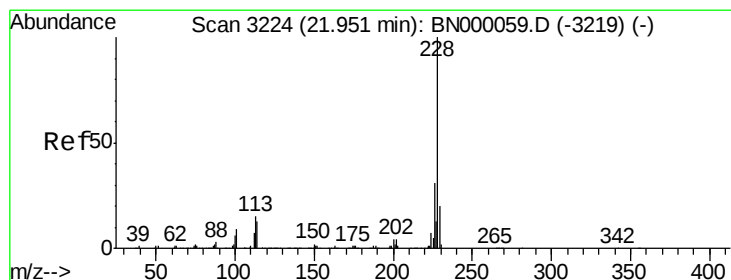
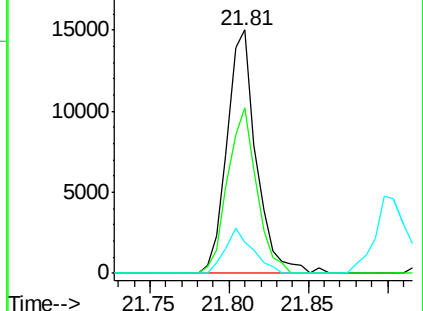
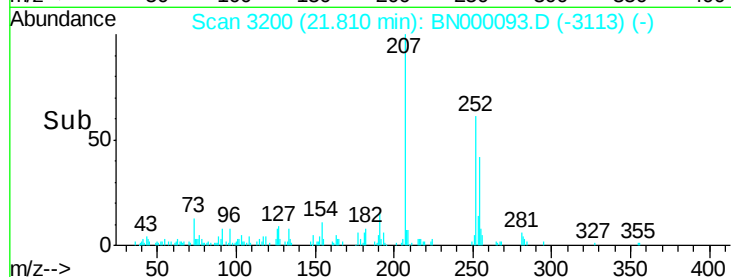
126 12.6 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 0.971 ng

RT: 21.95 min Scan# 3223

Delta R.T. -0.02 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

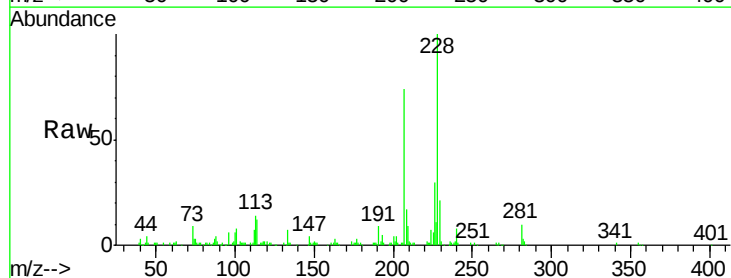
Tgt Ion:228 Resp: 132281

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

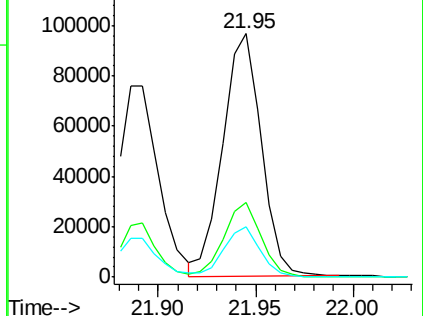
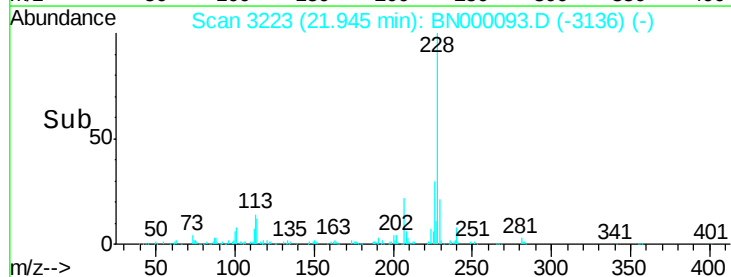
229 20.7 15.0 22.4

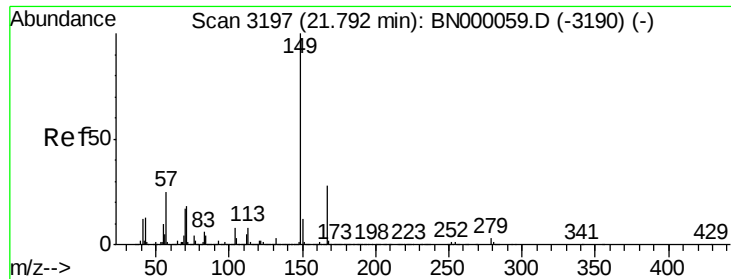


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.188 ng

RT: 21.78 min Scan# 3195

Delta R.T. -0.03 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

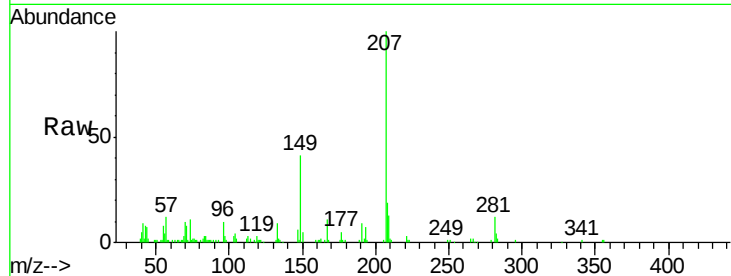
Tot Ion:149 Resp: 30181

Ion Ratio Lower Upper

149 100

167 26.0 24.3 36.5

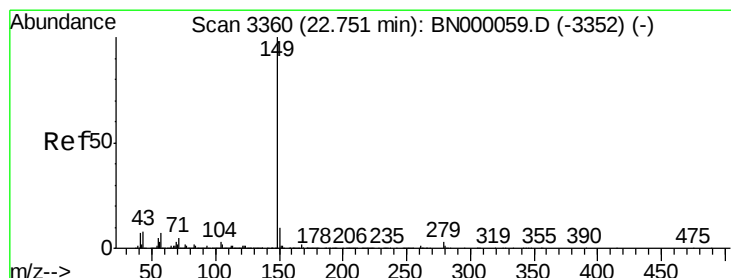
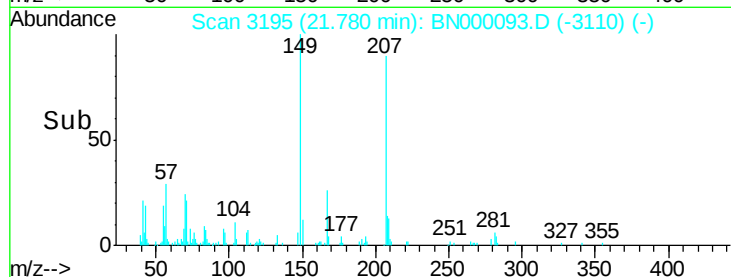
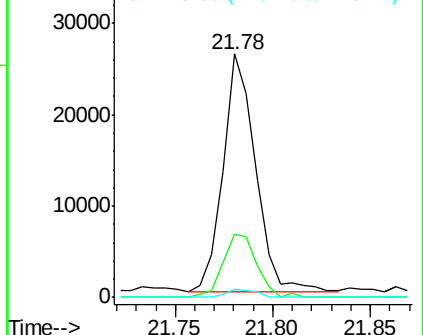
279 3.4 4.0 6.0#



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: 6.933 ng

RT: 22.74 min Scan# 3358

Delta R.T. -0.03 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

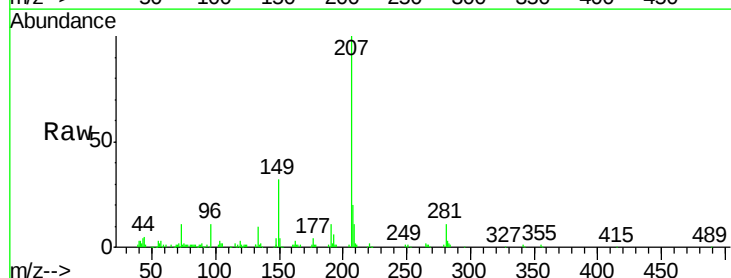
Tgt Ion:149 Resp: 45011

Ion Ratio Lower Upper

149 100

167 2.3 1.4 2.0#

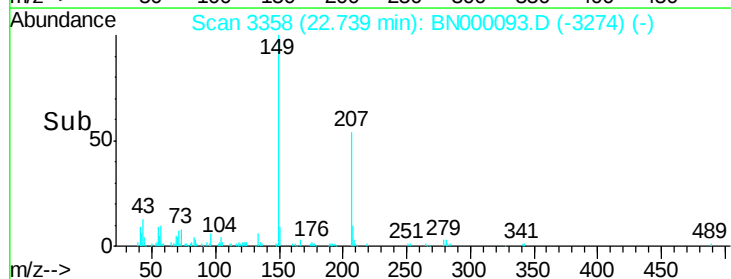
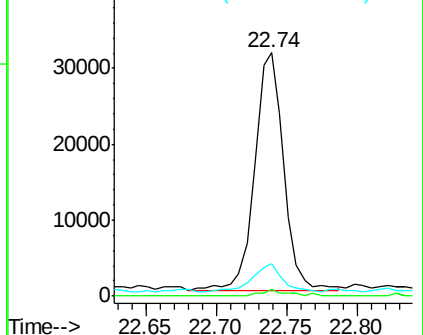
43 11.9 8.9 13.3

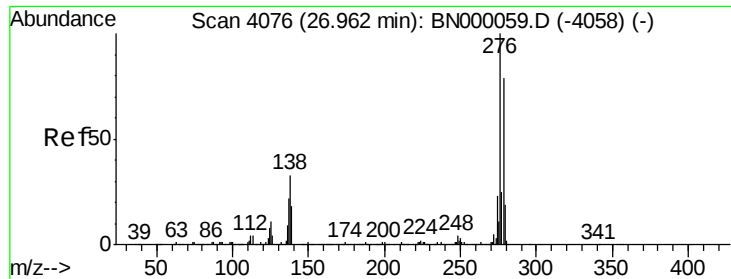


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.765 ng

RT: 26.93 min Scan# 4071

Delta R.T. -0.06 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

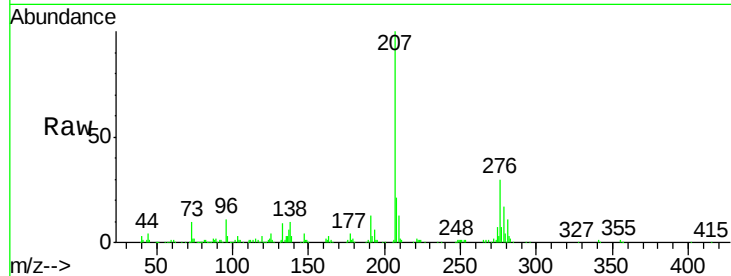
Tot Ion:276 Resp: 128048

Ion Ratio Lower Upper

276 100

138 33.5 16.0 24.0#

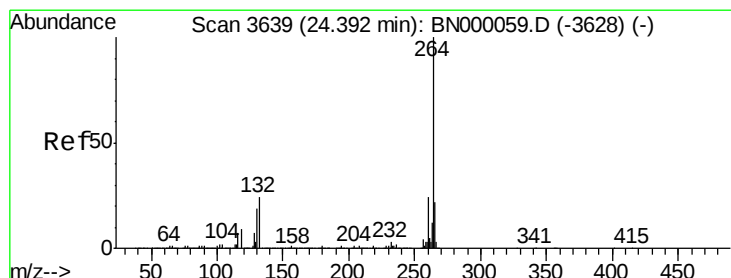
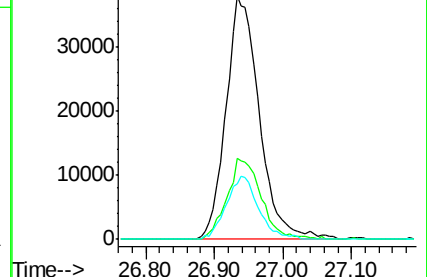
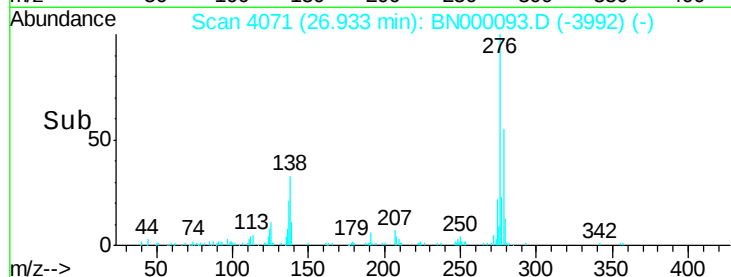
277 25.0 20.0 30.0



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: BN000093.D

Acq: 15 Feb 2018 12:58

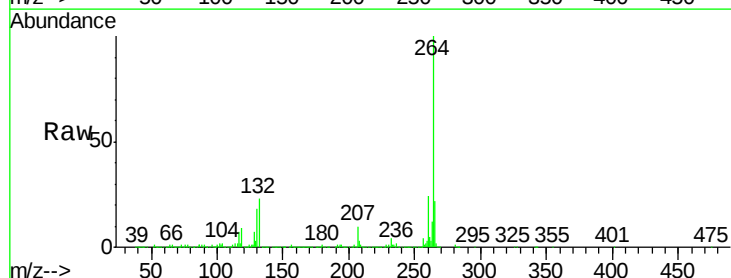
Tgt Ion:264 Resp: 2394566

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

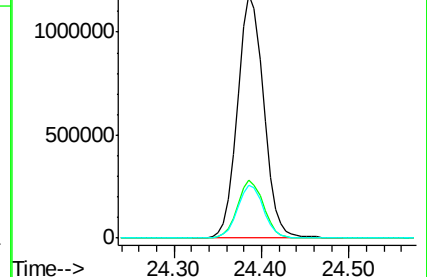
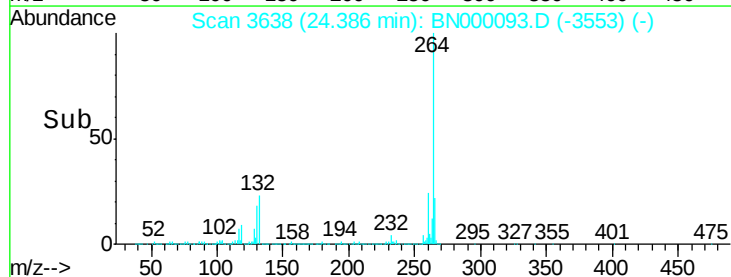
265 21.8 17.7 26.5

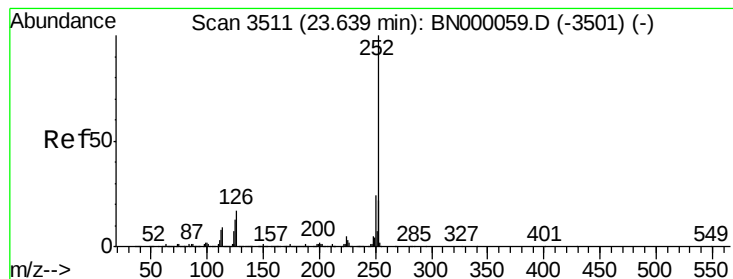


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.839 ng

RT: 23.63 min Scan# 3509

Delta R.T. -0.03 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

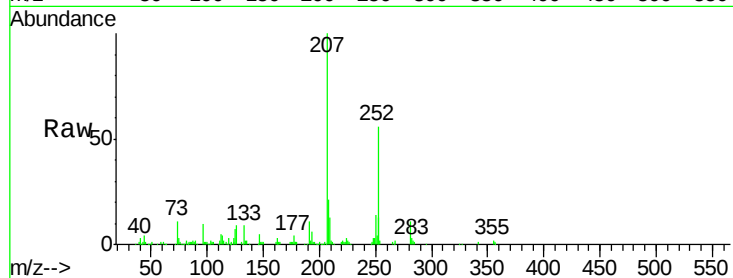
Tot Ion:252 Resp: 117579

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

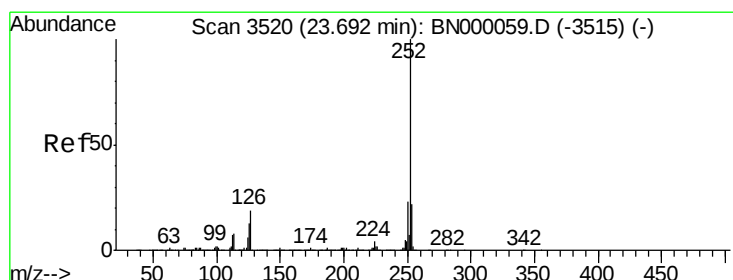
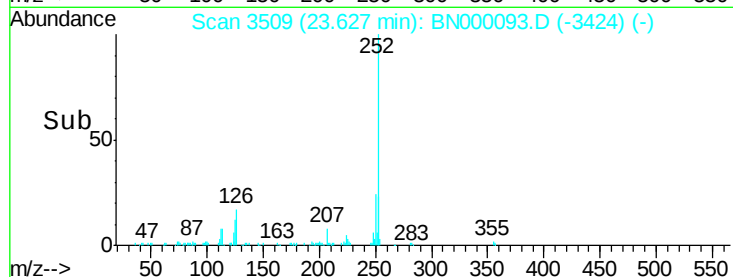
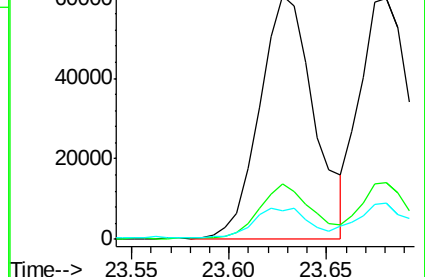
125 12.0 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.760 ng

RT: 23.68 min Scan# 3518

Delta R.T. -0.03 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

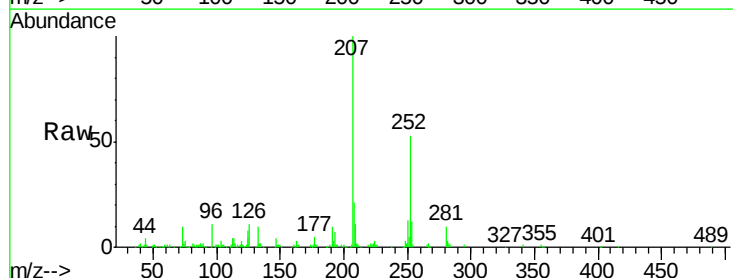
Tgt Ion:252 Resp: 107352

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

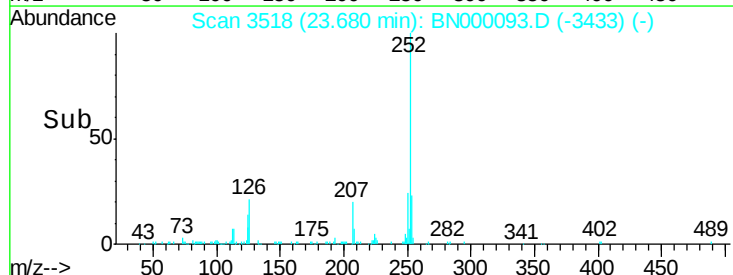
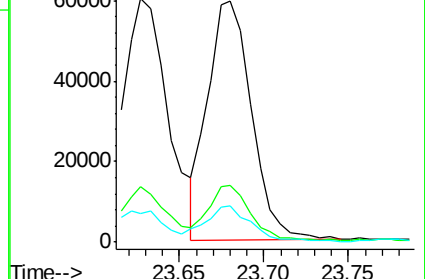
125 15.1 6.6 9.8#

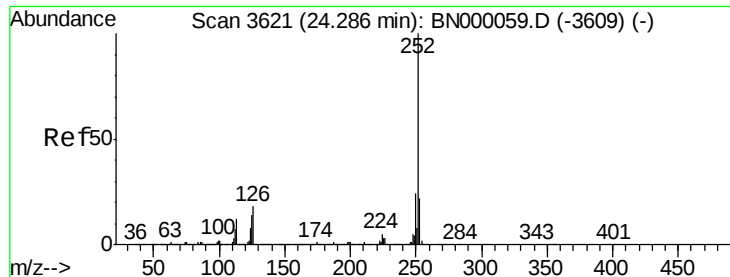


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.741 ng

RT: 24.27 min Scan# 3619

Delta R.T. -0.04 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

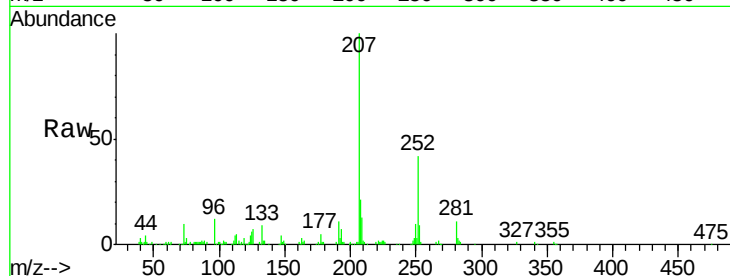
Tot Ion:252 Resp: 99583

Ion Ratio Lower Upper

252 100

253 21.7 18.3 27.5

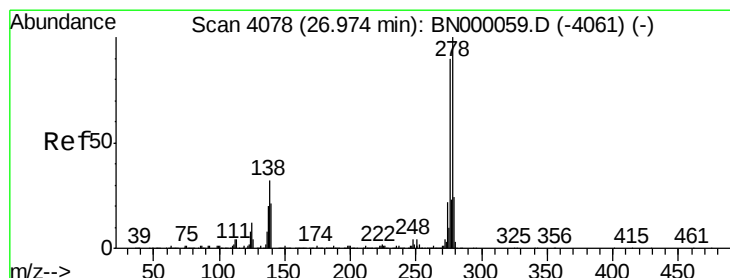
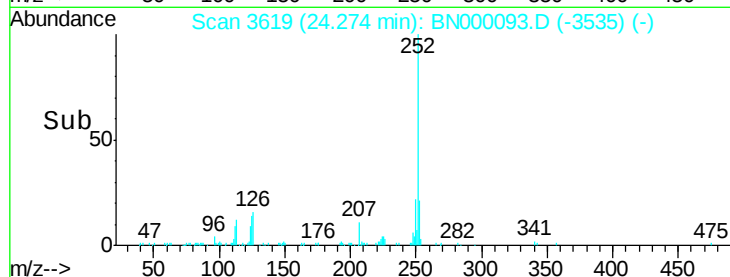
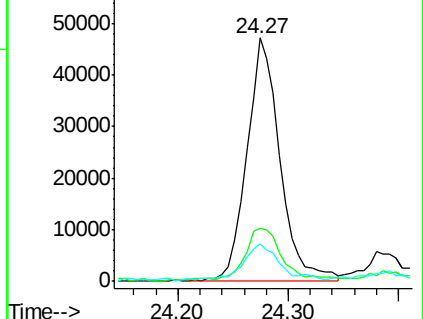
125 15.5 7.3 10.9#



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: 0.764 ng

RT: 26.96 min Scan# 4075

Delta R.T. -0.05 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

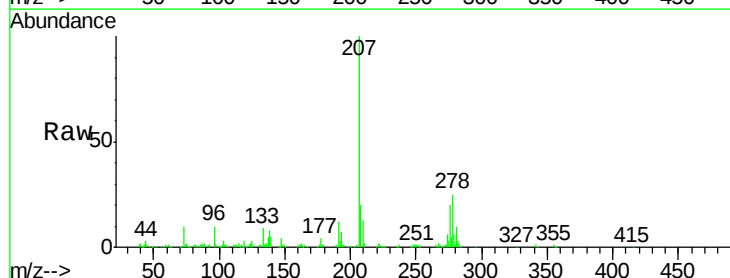
Tgt Ion:278 Resp: 107454

Ion Ratio Lower Upper

278 100

139 20.7 9.8 14.6#

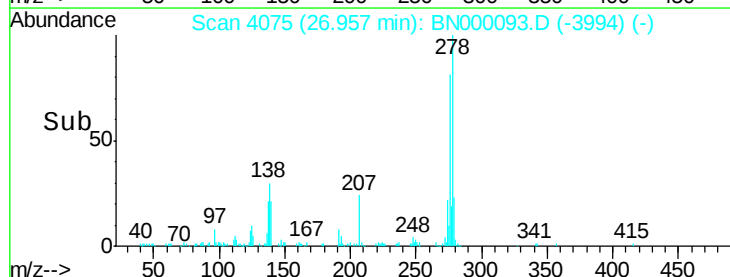
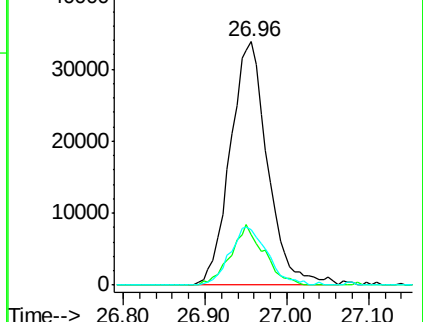
279 22.6 18.4 27.6

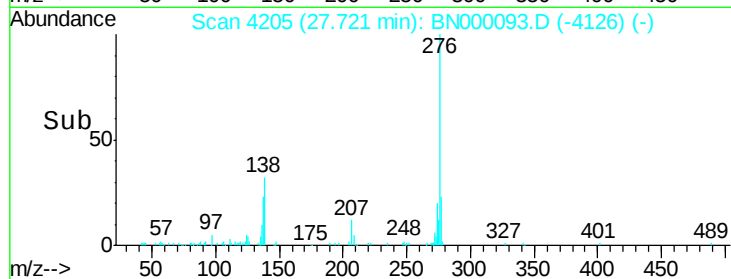
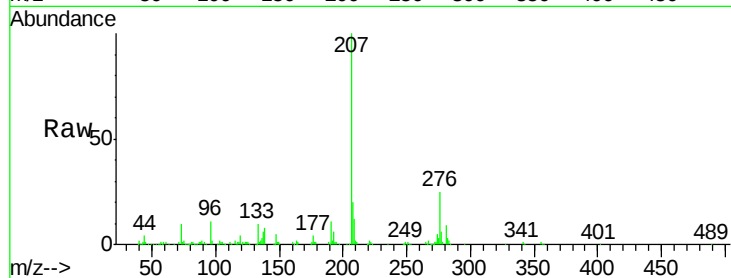
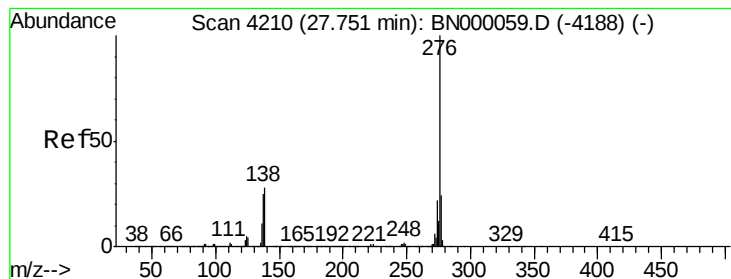


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.770 ng

RT: 27.72 min Scan# 4205

Delta R.T. -0.06 min

Lab File: BN000093.D

Acq: 15 Feb 2018 12:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:276 Resp: 109391

Ion Ratio Lower Upper

276 100

277 22.9 18.3 27.5

138 32.3 13.9 20.9#

