

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000750.D
 Acq On : 18 Apr 2018 21:24
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 5PPM MDL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Quant Time: Apr 19 06:52:25 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	122336	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	524610	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	270184	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	524348	20.00	ng	0.00
75) Chrysene-d12	21.21	240	462412	20.00	ng	-0.01
86) Perylene-d12	23.40	264	449725	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1129853	137.19	ng	0.00
7) Phenol-d6	6.81	99	1517399	135.21	ng	0.00
23) Nitrobenzene-d5	8.78	82	865896	86.04	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	394584	145.07	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1720638	87.91	ng	0.00
78) Terphenyl-d14	19.66	244	1839595	85.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	19083	5.052	ng	# 92
3) Pyridine	3.63	79	45621	4.585	ng	96
4) n-Nitrosodimethylamine	3.55	42	12256	4.479	ng	# 83
6) Aniline	6.97	93	71095	4.775	ng	92
8) 2-Chlorophenol	7.20	128	42717	5.015	ng	94
9) Benzaldehyde	6.79	77	21787	2.103	ng	95
10) Phenol	6.83	94	58711	4.963	ng	97
11) bis(2-Chloroethyl)ether	7.07	93	47554	4.914	ng	84
12) 1,3-Dichlorobenzene	7.52	146	50188	5.073	ng	99
13) 1,4-Dichlorobenzene	7.66	146	50882	5.066	ng	95
14) 1,2-Dichlorobenzene	7.98	146	49124	5.124	ng	96
15) Benzyl Alcohol	7.86	79	32985	4.273	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.16	45	51384	4.999	ng	81
17) 2-Methylphenol	8.07	107	36953	4.647	ng	96
18) Hexachloroethane	8.69	117	17440	4.712	ng	# 79
19) n-Nitroso-di-n-propylamine	8.43	70	32003	4.584	ng	# 83
20) 3+4-Methylphenols	8.39	107	49941	4.570	ng	95
22) Acetophenone	8.44	105	72975	4.854	ng	# 89
24) Nitrobenzene	8.82	77	56299	5.217	ng	# 95
25) Isophorone	9.33	82	78624	4.312	ng	98
26) 2-Nitrophenol	9.52	139	16510	3.735	ng	98
27) 2,4-Dimethylphenol	9.58	122	32626	4.521	ng	93
28) bis(2-Chloroethoxy)methane	9.82	93	57086	4.802	ng	98
29) 2,4-Dichlorophenol	10.05	162	31096	4.376	ng	94
30) 1,2,4-Trichlorobenzene	10.26	180	43163	5.039	ng	98
31) Naphthalene	10.45	128	144473	5.122	ng	97
32) Benzoic acid	9.65	122	15387	6.657	ng	93
33) 4-Chloroaniline	10.56	127	52705	4.576	ng	96
34) Hexachlorobutadiene	10.74	225	23461	5.043	ng	97
35) Caprolactam	11.29	113	6769	2.753	ng	97
36) 4-Chloro-3-methylphenol	11.68	107	34761	4.143	ng	99
37) 2-Methylnaphthalene	12.06	142	93798	5.077	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.43	216	42999	5.132	ng	# 97
40) Hexachlorocyclopentadiene	12.42	237	21023	4.278	ng	91

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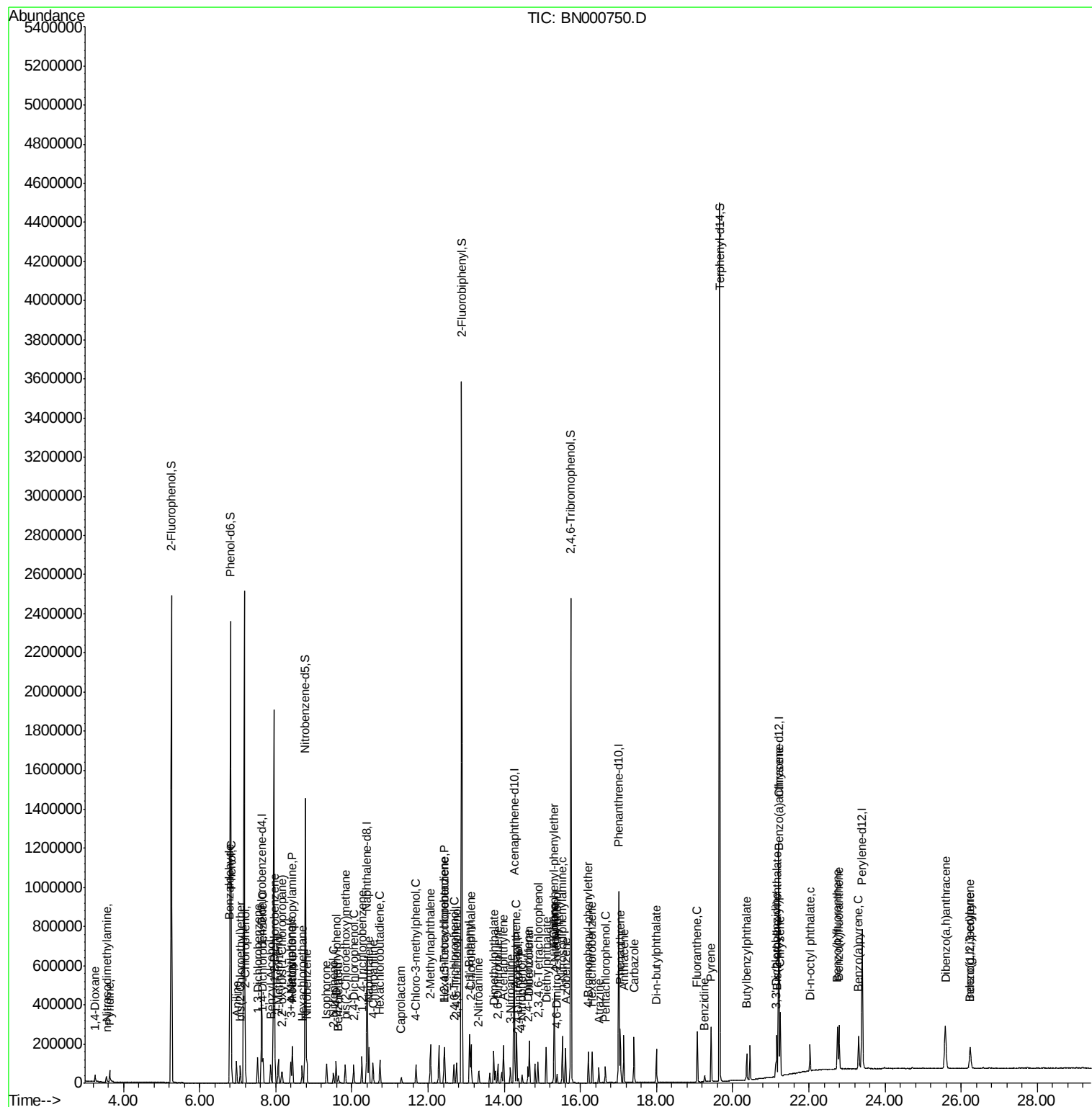
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.68	196	20470	4.028	nq	96
43) 2,4,5-Trichlorophenol	12.75	196	25679	4.375	nq	# 93
45) 1,1'-Biphenyl	13.09	154	127235	5.261	nq	97
46) 2-Chloronaphthalene	13.13	162	92532	5.103	nq	96
47) 2-Nitroaniline	13.33	65	17640	3.353	nq	91
48) Acenaphthylene	13.98	152	137589	4.787	nq	97
49) Dimethylphthalate	13.73	163	102405	4.743	nq	98
50) 2,6-Dinitrotoluene	13.84	165	18184	3.976	nq	92
51) Acenaphthene	14.32	154	89395	5.102	nq	98
52) 3-Nitroaniline	14.16	138	18618	3.577	nq	# 94
53) 2,4-Dinitrophenol	14.37	184	4948	7.626	nq	95
54) Dibenzofuran	14.66	168	131855	5.170	nq	96
55) 4-Nitrophenol	14.47	139	11273	2.917	nq	88
56) 2,4-Dinitrotoluene	14.63	165	20930	3.496	nq	95
57) Fluorene	15.31	166	102135	5.065	nq	98
58) 2,3,4,6-Tetrachlorophenol	14.89	232	18689	4.142	nq	# 87
59) Diethylphthalate	15.10	149	96418	4.506	nq	97
60) 4-Chlorophenyl-phenylether	15.32	204	49254	5.226	nq	93
61) 4-Nitroaniline	15.33	138	16839	3.289	nq	93
62) Azobenzene	15.61	77	104080	4.542	nq	90
64) 4,6-Dinitro-2-methylphenol	15.39	198	9051	2.795	nq	88
65) n-Nitrosodiphenylamine	15.53	169	83092	4.720	nq	97
66) 4-Bromophenyl-phenylether	16.21	248	25459	4.779	nq	# 88
67) Hexachlorobenzene	16.31	284	30740	4.984	nq	# 91
68) Atrazine	16.49	200	13087	2.744	nq	96
69) Pentachlorophenol	16.66	266	12805	3.213	nq	98
70) Phenanthrene	17.05	178	153066	5.040	nq	99
71) Anthracene	17.14	178	140194	4.714	nq	98
72) Carbazole	17.41	167	127419	4.559	nq	97
73) Di-n-butylphthalate	18.00	149	115308	3.621	nq	98
74) Fluoranthene	19.07	202	141460	4.622	nq	92
76) Benzidine	19.26	184	22568	1.802	nq	# 95
77) Pyrene	19.43	202	153857	4.619	nq	100
79) Butylbenzylphthalate	20.37	149	37664	2.684	nq	96
80) Benzo(a)anthracene	21.20	228	141766	4.865	nq	97
81) 3,3'-Dichlorobenzidine	21.13	252	29883	3.258	nq	# 96
82) Chrysene	21.24	228	143929	5.102	nq	97
83) Bis(2-ethylhexyl)phthalate	21.16	149	62333	2.908	nq	# 94
84) Di-n-octyl phthalate	22.03	149	77558	2.529	nq	97
85) Indeno(1,2,3-cd)pyrene	26.23	276	115887	4.776	nq	# 91
87) Benzo(b)fluoranthene	22.75	252	124925	4.572	nq	# 96
88) Benzo(k)fluoranthene	22.79	252	132427	4.866	nq	# 96
89) Benzo(a)pyrene	23.30	252	113358	4.546	nq	# 94
90) Dibenzo(a,h)anthracene	25.59	278	118802	4.835	nq	# 93
91) Benzo(g,h,i)perylene	26.23	276	115887	4.831	nq	# 88

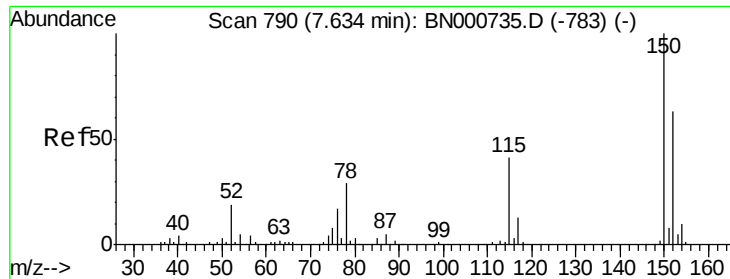
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

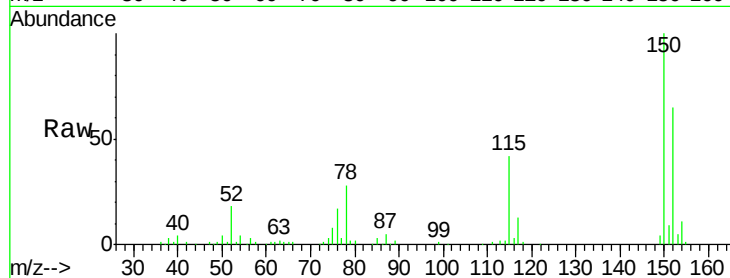
Tot Ion:152 Resp: 122336

Ion Ratio Lower Upper

152 100

150 154.8 126.6 189.8

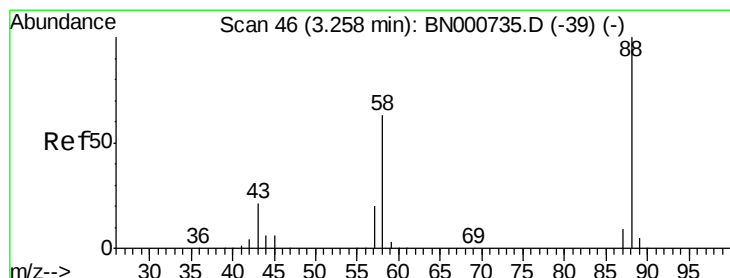
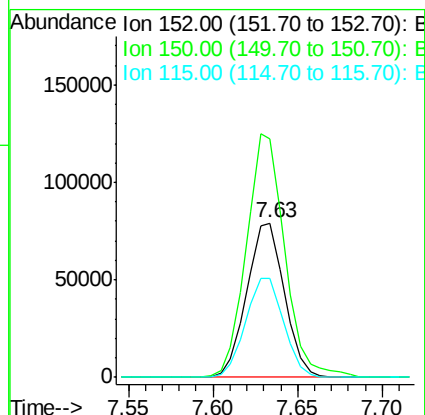
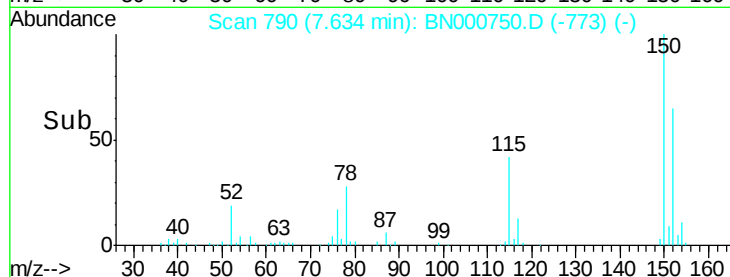
115 64.4 53.0 79.4



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



#2

1,4-Dioxane

Concen: 5.052 ng

RT: 3.26 min Scan# 46

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

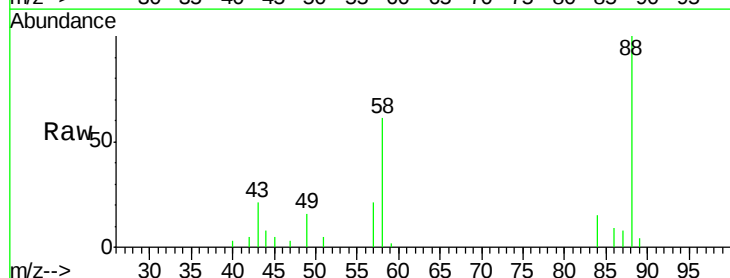
Tgt Ion: 88 Resp: 19083

Ion Ratio Lower Upper

88 100

58 58.9 52.0 78.0

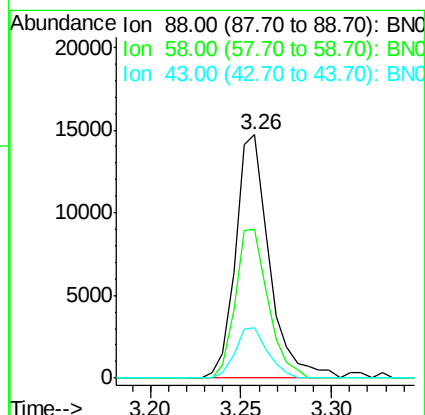
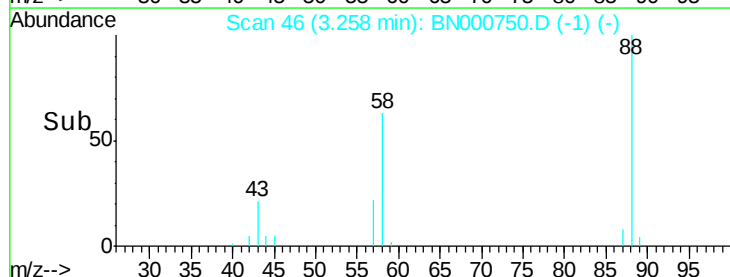
43 19.8 20.0 30.0#

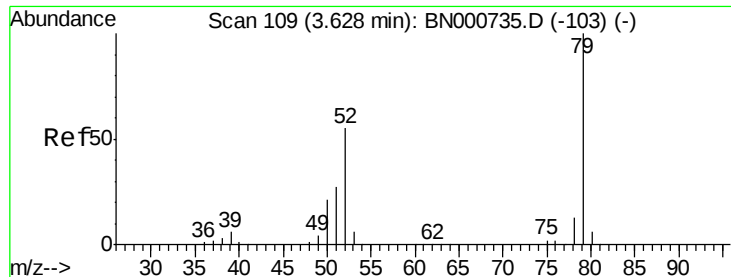


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

Pvridine

Concen: 4.585 ng

RT: 3.63 min Scan# 110

Delta R.T. 0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

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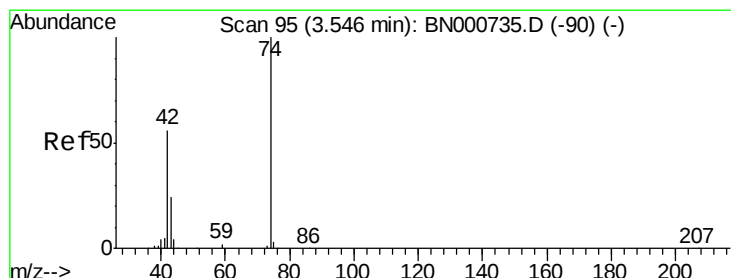
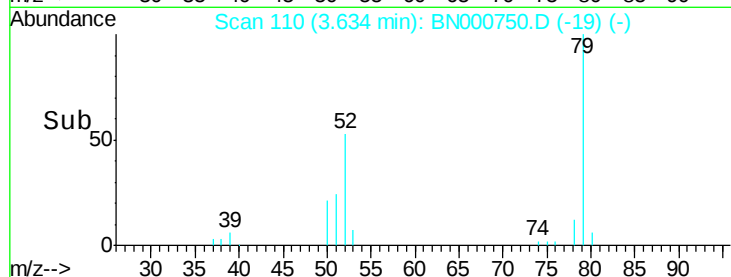
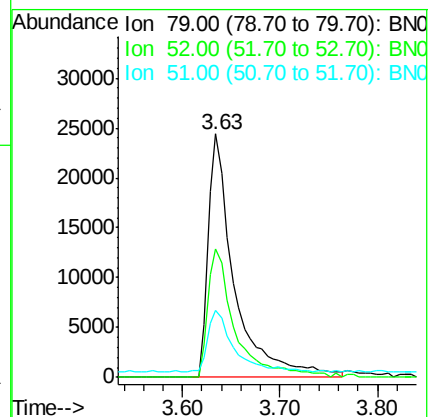
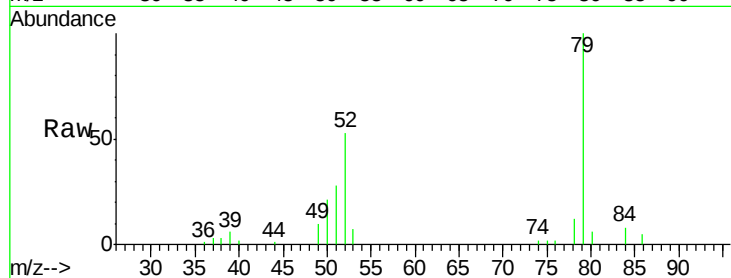
Tot Ion: 79 Resp: 45621

Ion Ratio Lower Upper

79 100

52 52.8 44.0 66.0

51 27.6 24.0 36.0



#4

n-Nitrosodimethylamine

Concen: 4.479 ng

RT: 3.55 min Scan# 96

Delta R.T. 0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

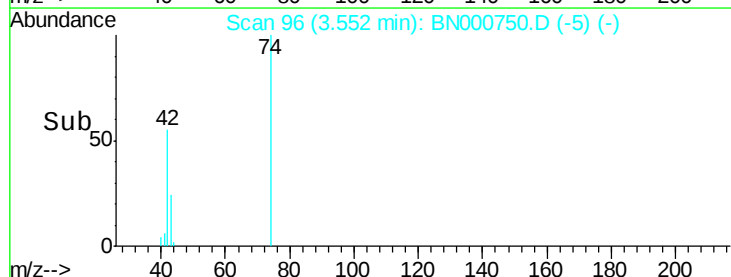
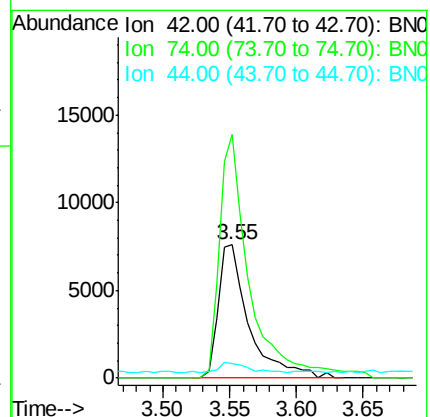
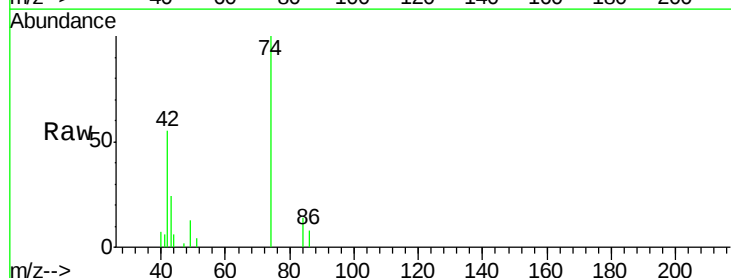
Tgt Ion: 42 Resp: 12256

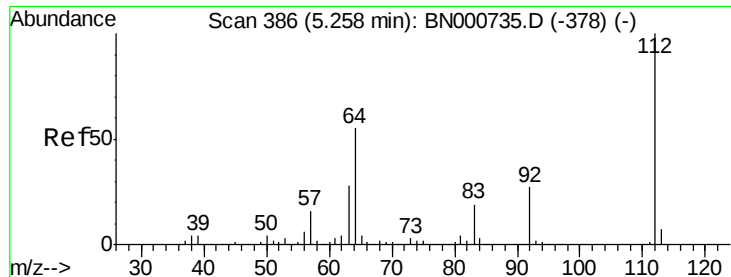
Ion Ratio Lower Upper

42 100

74 182.8 128.0 192.0

44 11.1 12.0 18.0#





#5

2-Fluorophenol

Concen: 137.194 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

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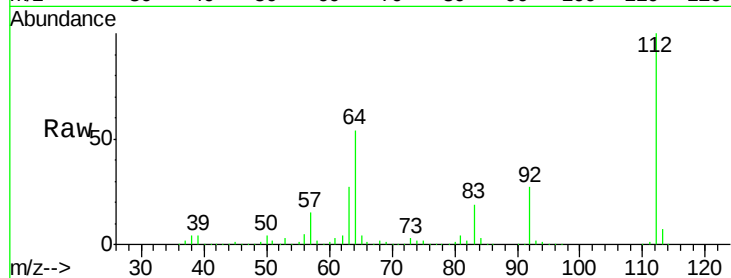
Tot Ion:112 Resp: 1129853

Ion Ratio Lower Upper

112 100

64 53.8 56.3 84.5#

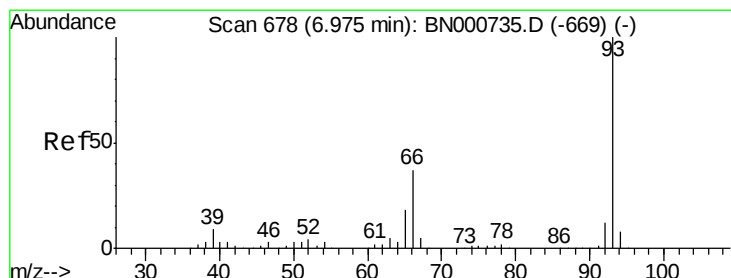
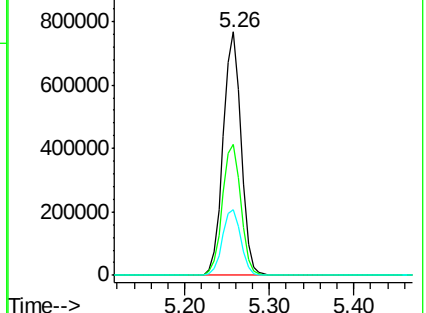
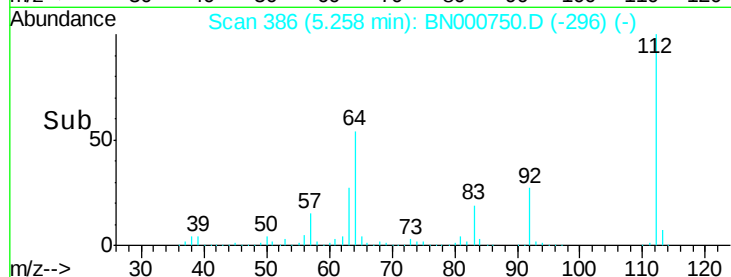
63 27.1 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 4.775 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

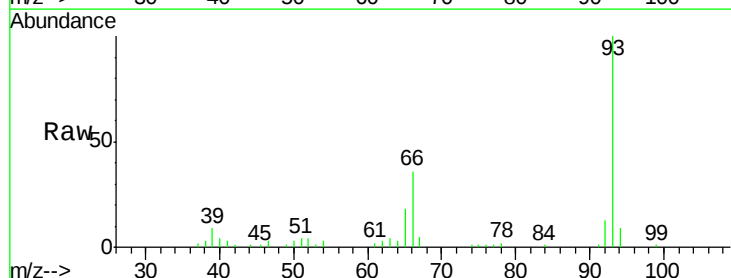
Tgt Ion: 93 Resp: 71095

Ion Ratio Lower Upper

93 100

66 36.1 33.7 50.5

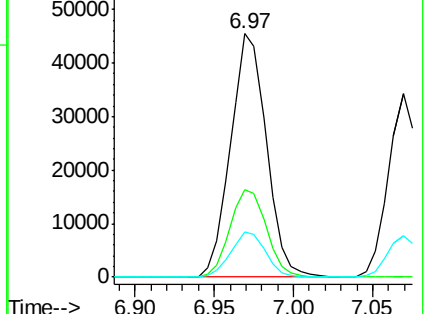
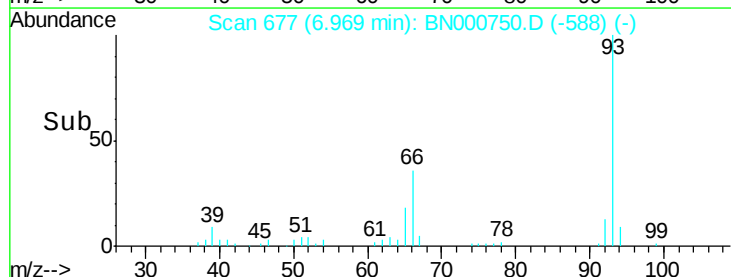
65 18.4 16.1 24.1

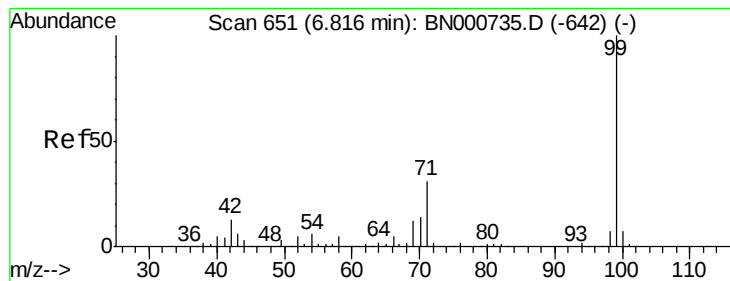


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 135.208 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

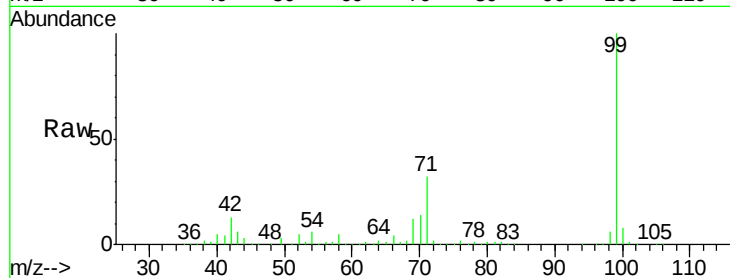
BNA_N

ClientSampleId :

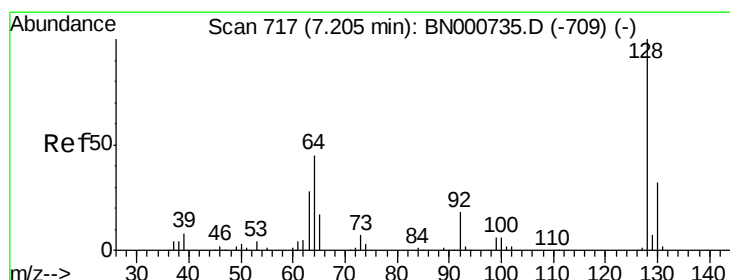
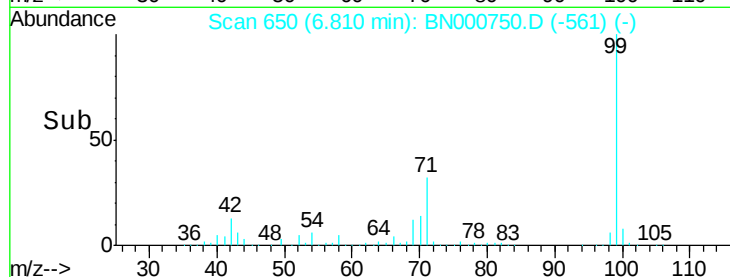
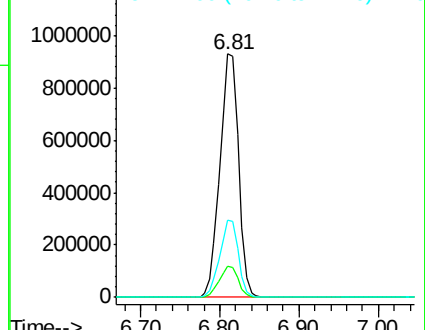
MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1517399

Ion	Ratio	Lower	Upper
99	100		
42	13.0	14.1	21.1#
71	31.9	26.1	39.1



Abundance Ion 99.00 (98.70 to 99.70): BN000750.D (-642) (-)



#8

2-Chlorophenol

Concen: 5.015 ng

RT: 7.20 min Scan# 716

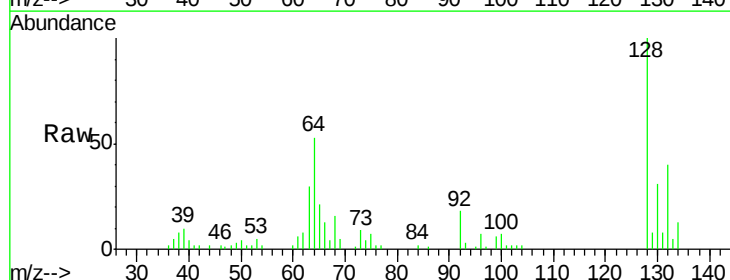
Delta R.T. -0.01 min

Lab File: BN000750.D

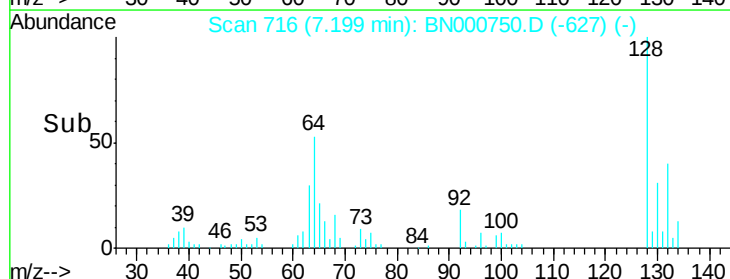
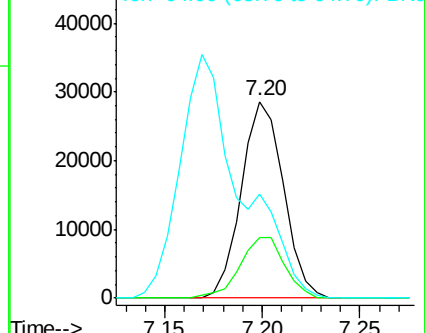
Acq: 18 Apr 2018 21:24

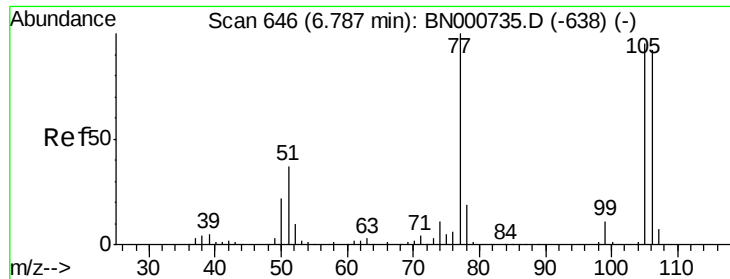
Tgt Ion:128 Resp: 42717

Ion	Ratio	Lower	Upper
128	100		
130	30.6	14.0	54.0
64	53.0	37.7	77.7



Abundance Ion 128.00 (127.70 to 128.70): BN000750.D (-627) (-)





#9

Benzaldehyde

Concen: 2.103 ng

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

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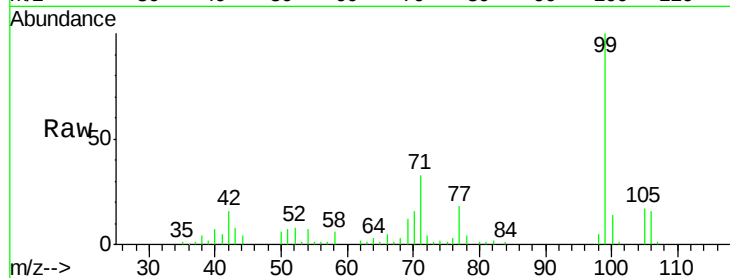
Tot Ion: 77 Resp: 21787

Ion Ratio Lower Upper

77 100

105 96.3 71.3 111.3

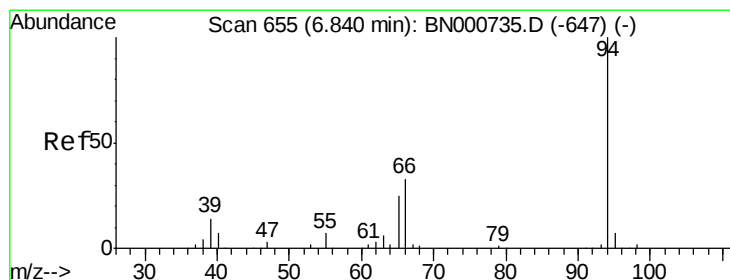
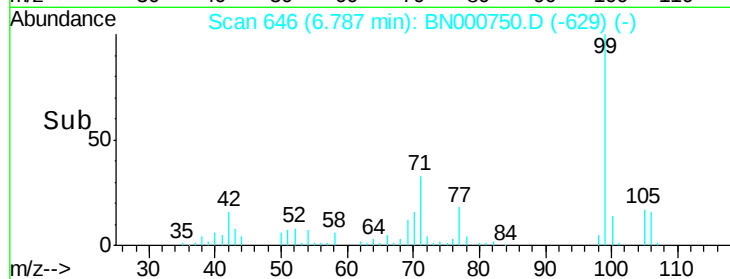
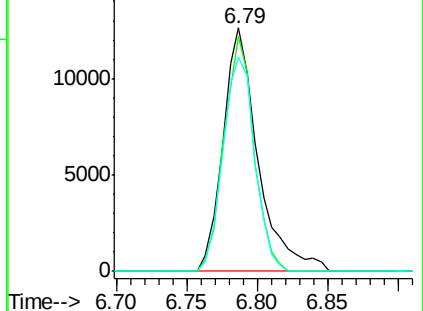
106 88.2 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#10

Phenol

Concen: 4.963 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

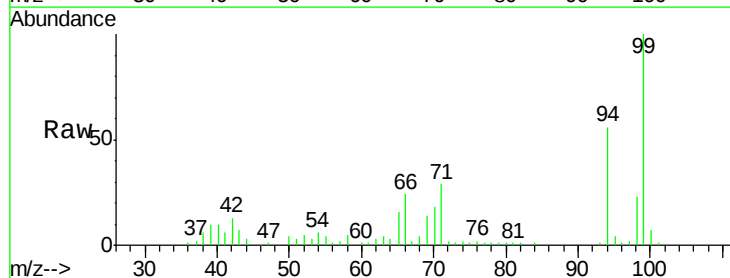
Tgt Ion: 94 Resp: 58711

Ion Ratio Lower Upper

94 100

65 27.8 11.9 51.9

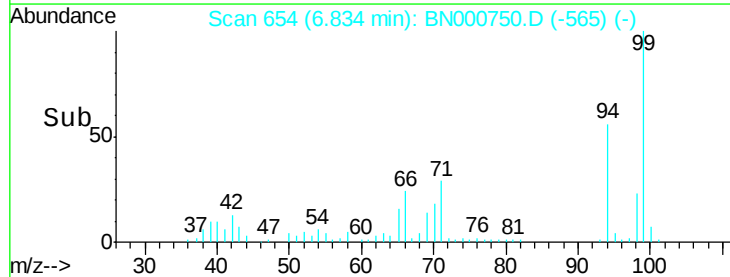
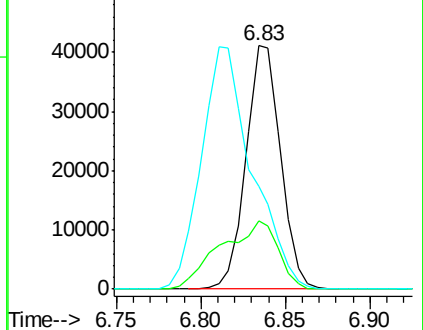
66 42.2 22.2 62.2

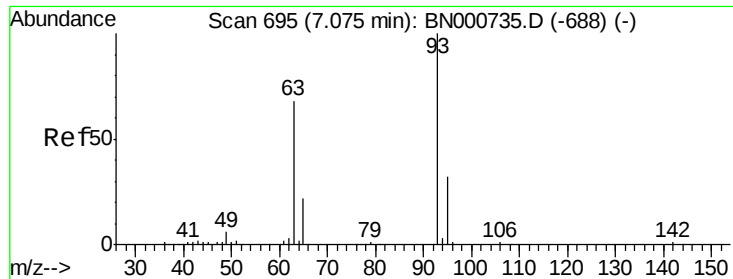


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0

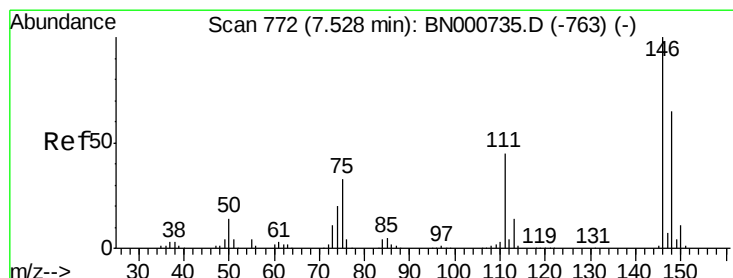
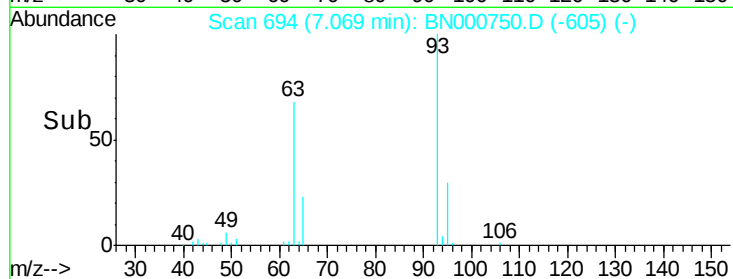
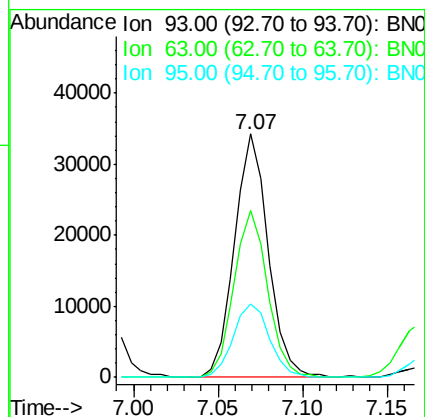
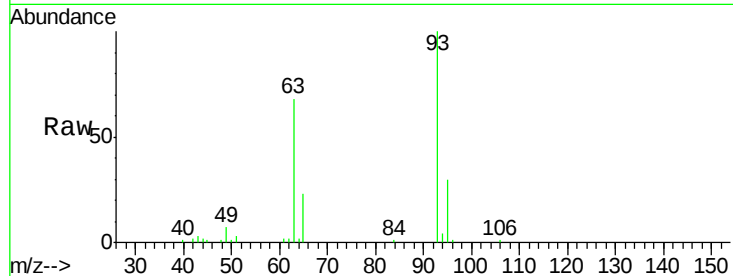




#11
 bis(2-Chloroethyl)ether
 Concen: 4.914 ng
 RT: 7.07 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

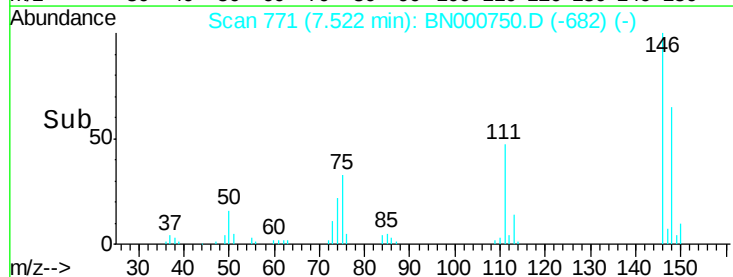
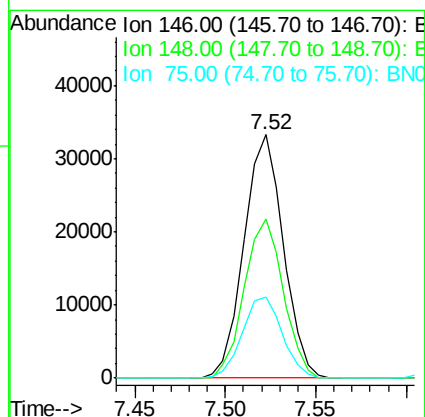
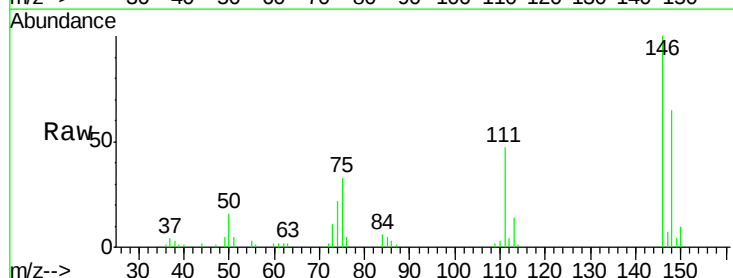
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

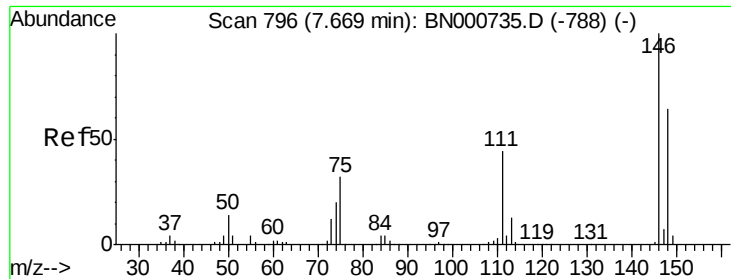
Tot Ion: 93 Resp: 47554
 Ion Ratio Lower Upper
 93 100
 63 68.3 67.1 107.1
 95 29.9 11.5 51.5



#12
 1,3-Dichlorobenzene
 Concen: 5.073 ng
 RT: 7.52 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion: 146 Resp: 50188
 Ion Ratio Lower Upper
 146 100
 148 65.4 51.4 77.2
 75 33.2 26.6 39.8

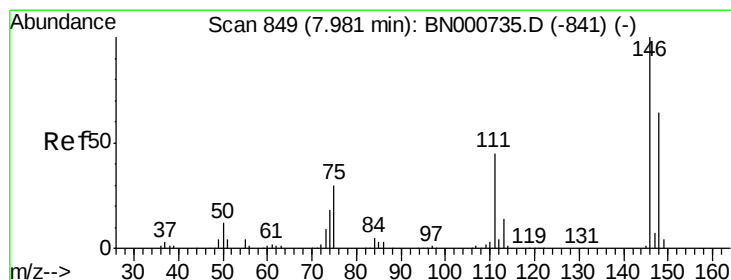
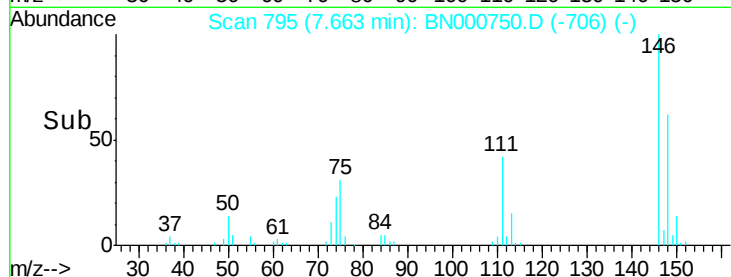
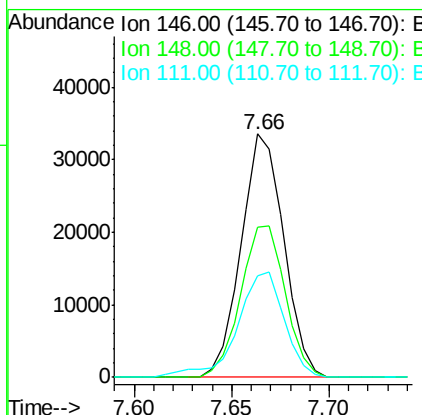
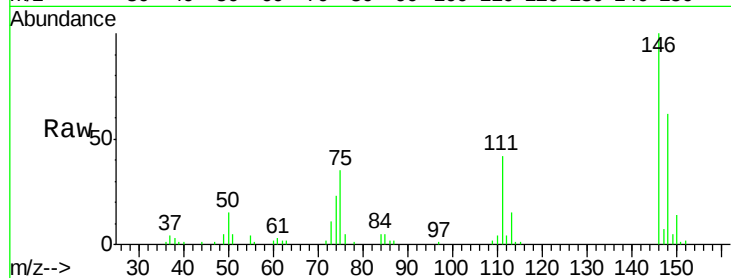




#13
 1,4-Dichlorobenzene
 Concen: 5.066 ng
 RT: 7.66 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

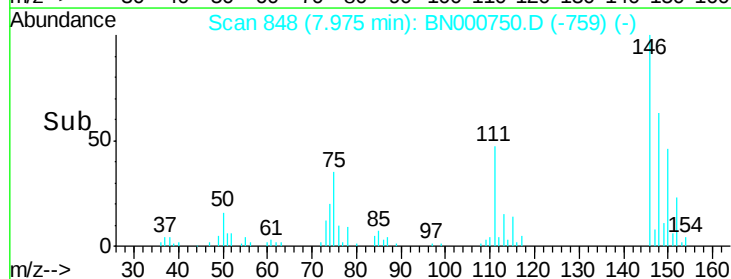
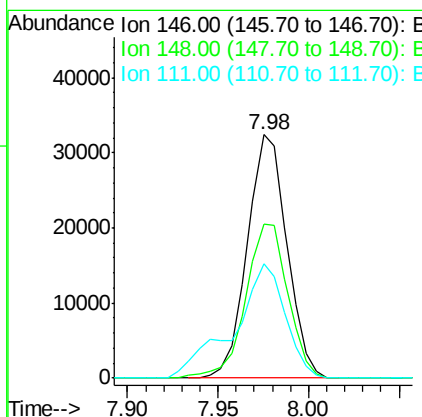
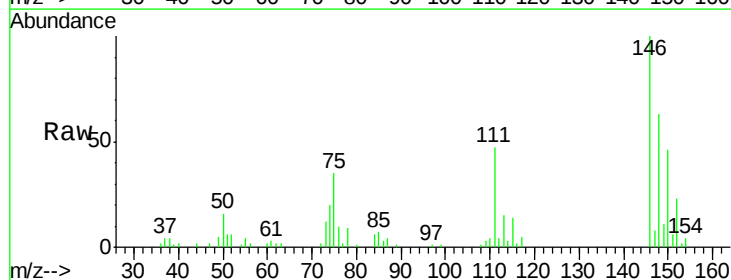
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

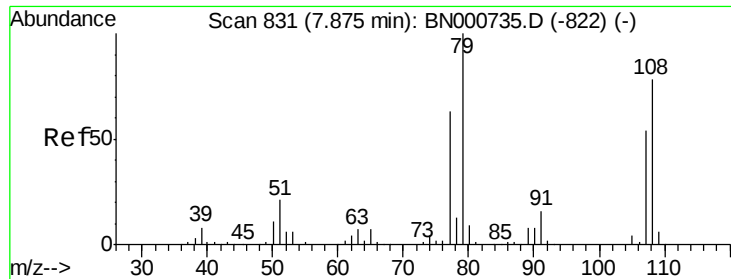
Tot Ion:146 Resp: 50882
 Ion Ratio Lower Upper
 146 100
 148 61.7 53.7 80.5
 111 41.8 35.2 52.8



#14
 1,2-Dichlorobenzene
 Concen: 5.124 ng
 RT: 7.98 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:146 Resp: 49124
 Ion Ratio Lower Upper
 146 100
 148 63.0 49.3 73.9
 111 46.8 34.3 51.5





#15

Benzyl Alcohol

Concen: 4.273 ng

RT: 7.86 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

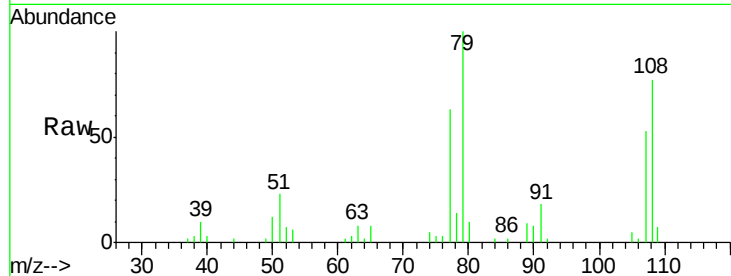
Tot Ion: 79 Resp: 32985

Ion Ratio Lower Upper

79 100

108 77.2 57.2 85.8

77 62.8 46.1 69.1

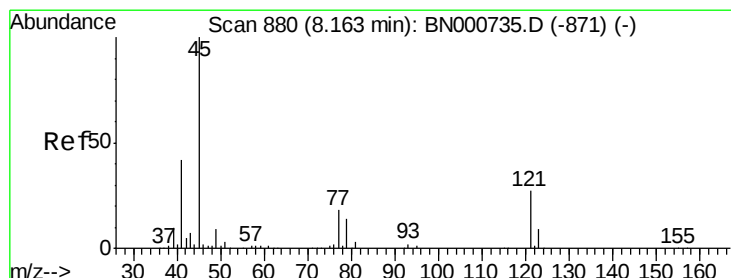
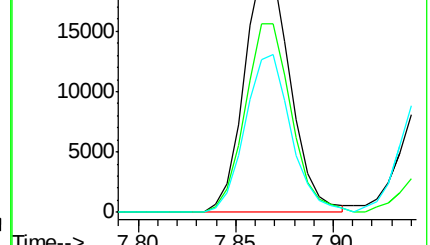
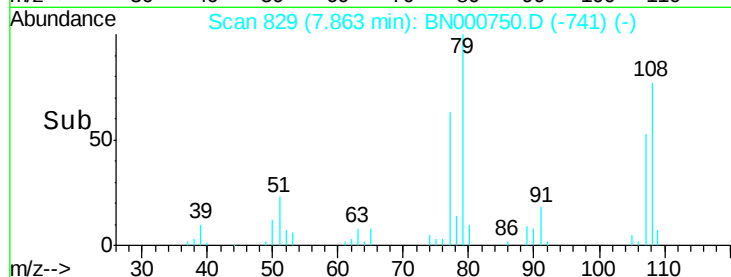


Abundance Ion 79.00 (78.70 to 79.70): BN000735.D (-822) (-)

Ion 108.00 (107.70 to 108.70): BN000735.D (-822) (-)

Ion 77.00 (76.70 to 77.70): BN000735.D (-822) (-)

Time-->



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.999 ng

RT: 8.16 min Scan# 879

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

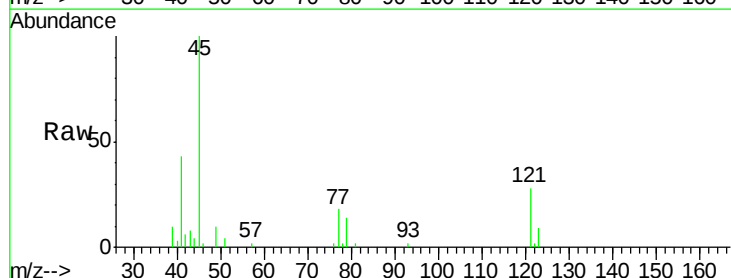
Tgt Ion: 45 Resp: 51384

Ion Ratio Lower Upper

45 100

77 17.9 0.0 30.2

79 13.9 0.0 27.9

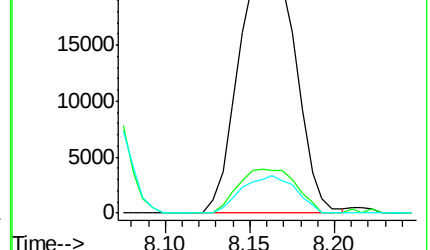
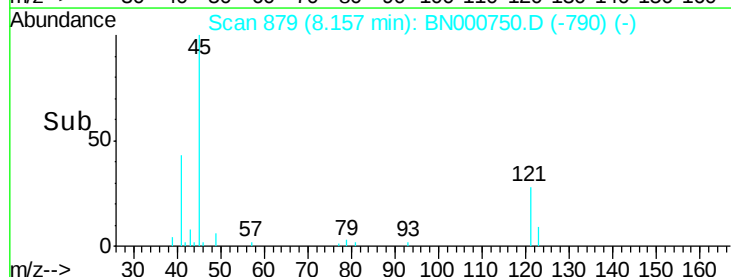


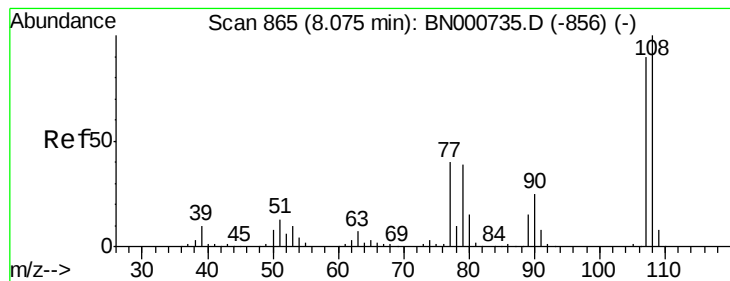
Abundance Ion 45.00 (44.70 to 45.70): BN000735.D (-871) (-)

Ion 77.00 (76.70 to 77.70): BN000735.D (-871) (-)

Ion 79.00 (78.70 to 79.70): BN000735.D (-871) (-)

Time-->





#17

2-Methylphenol

Concen: 4.647 ng

RT: 8.07 min Scan# 864

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:107 Resp: 36953

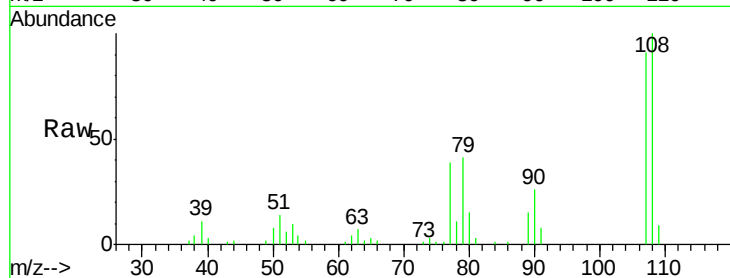
Ion Ratio Lower Upper

107 100

108 110.4 83.9 125.9

77 43.3 37.2 55.8

79 45.2 36.2 54.2

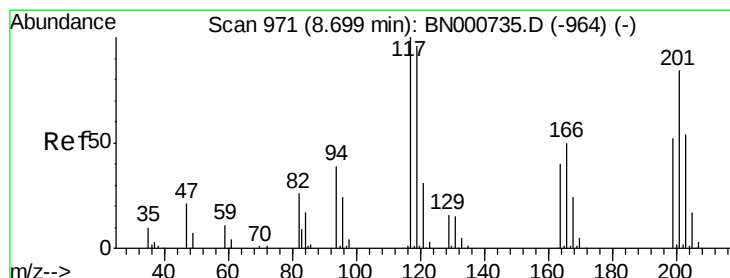
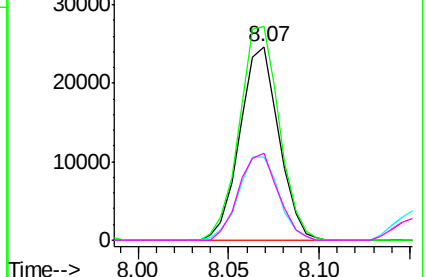
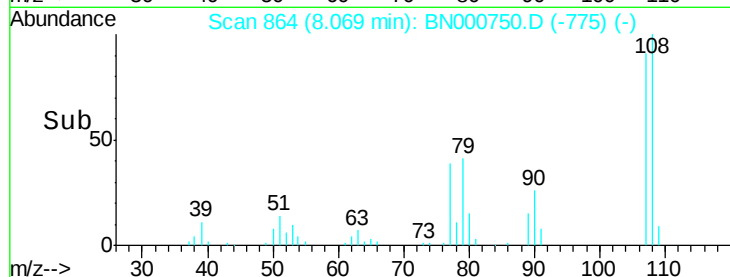


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 4.712 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

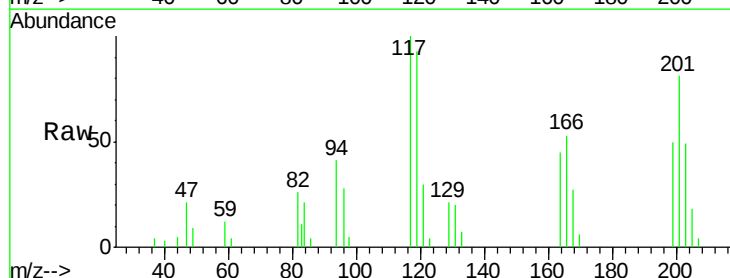
Tgt Ion:117 Resp: 17440

Ion Ratio Lower Upper

117 100

119 92.7 76.7 115.1

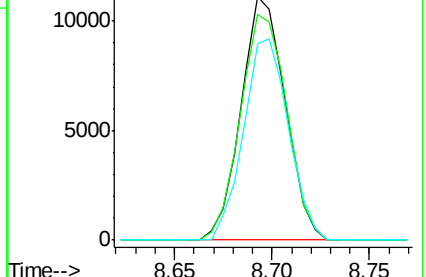
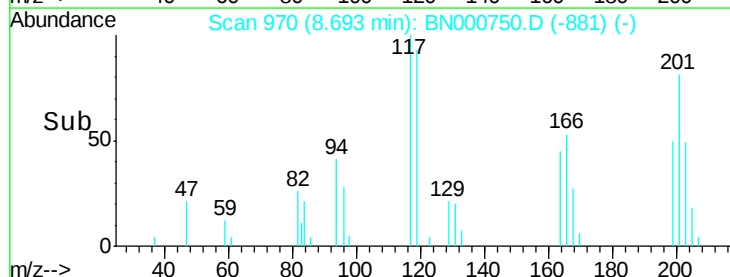
201 80.8 95.7 143.5#

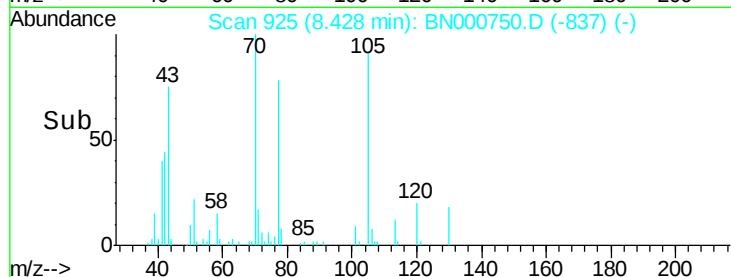
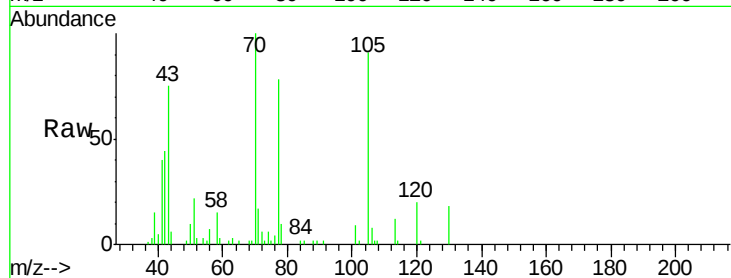
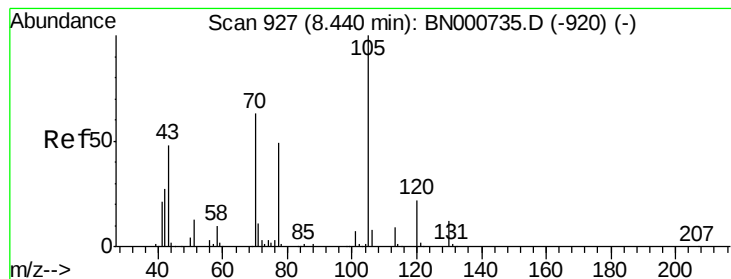


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.584 ng

RT: 8.43 min Scan# 925

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 70 Resp: 32003

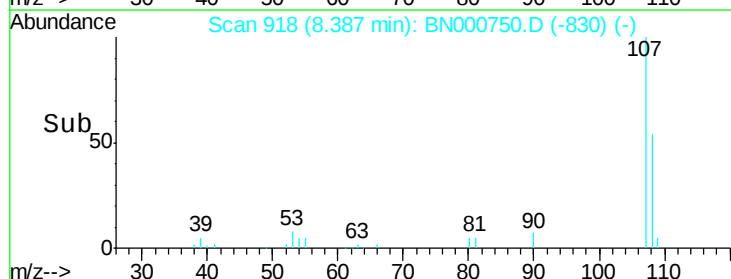
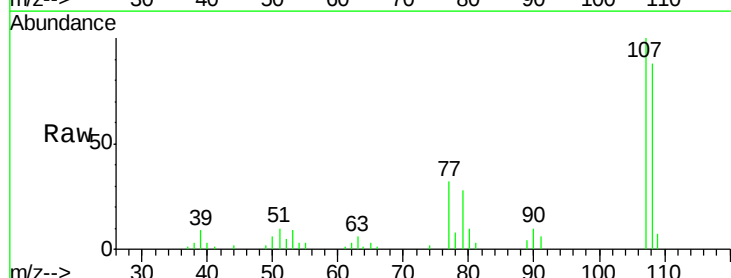
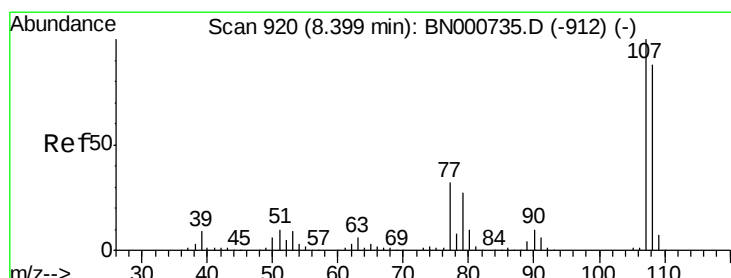
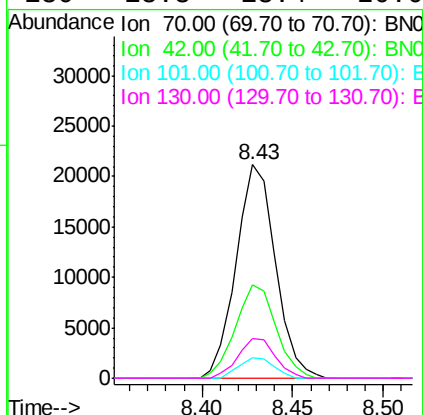
Ion Ratio Lower Upper

70 100

42 44.0 49.1 73.7#

101 9.4 8.5 12.7

130 18.3 13.4 20.0



#20

3+4-Methylphenols

Concen: 4.570 ng

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Tgt Ion:107 Resp: 49941

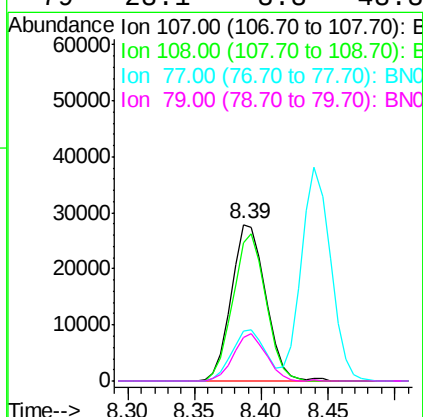
Ion Ratio Lower Upper

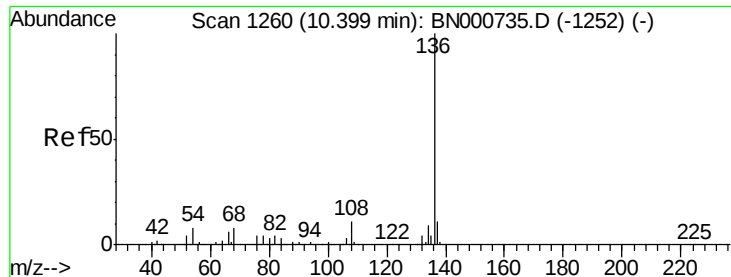
107 100

108 88.3 61.6 101.6

77 31.7 13.9 53.9

79 28.1 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:136 Resp: 524610

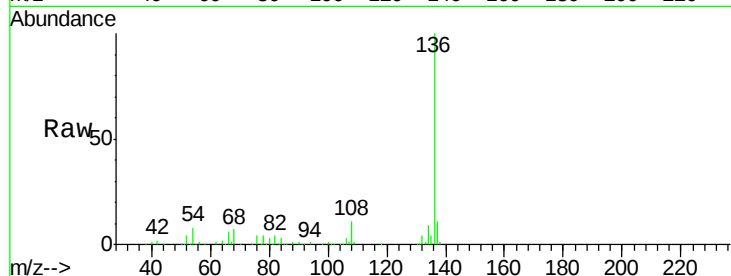
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 7.8 10.3 15.5#

68 7.5 4.5 6.7#



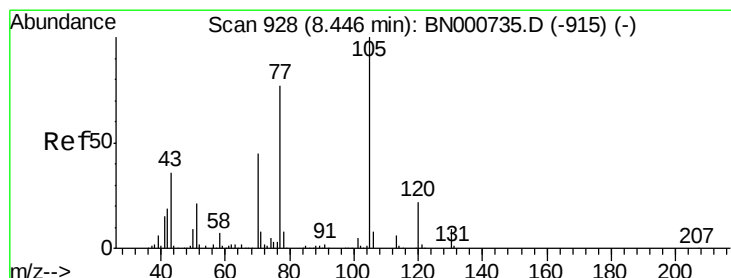
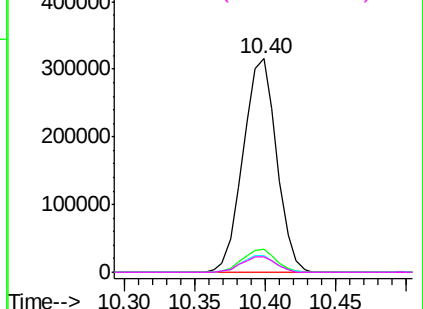
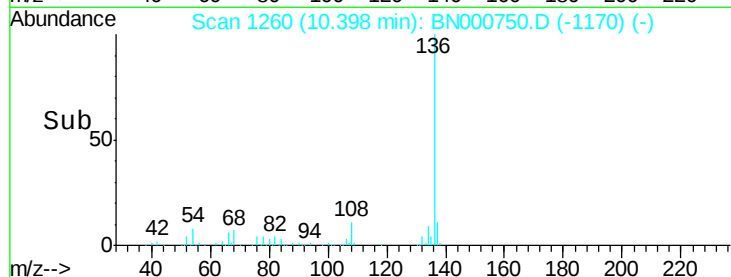
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#22

Acetophenone

Concen: 4.854 ng

RT: 8.44 min Scan# 927

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Tgt Ion:105 Resp: 72975

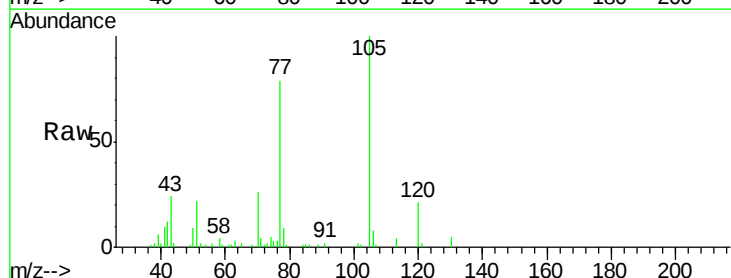
Ion Ratio Lower Upper

105 100

71 4.3 3.0 4.4

51 22.0 26.1 39.1#

120 21.4 17.4 26.2



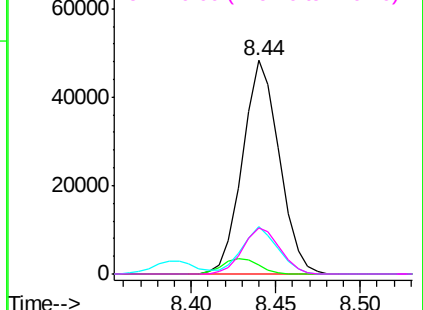
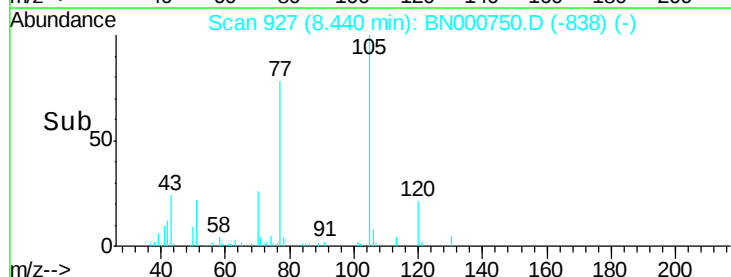
Abundance

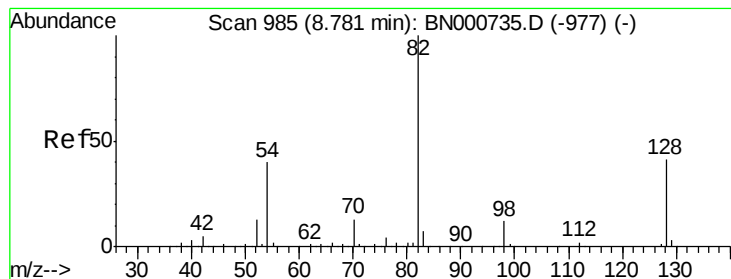
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.044 ng

RT: 8.78 min Scan# 984

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

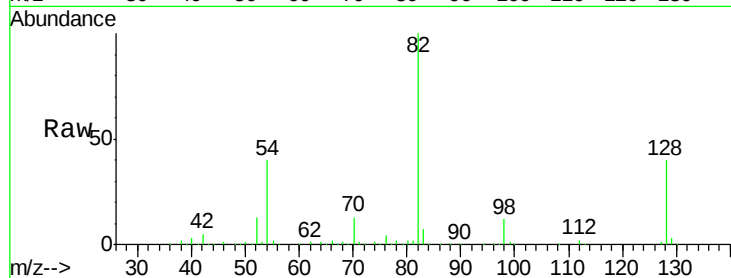
Tot Ion: 82 Resp: 865896

Ion Ratio Lower Upper

82 100

128 40.4 29.7 44.5

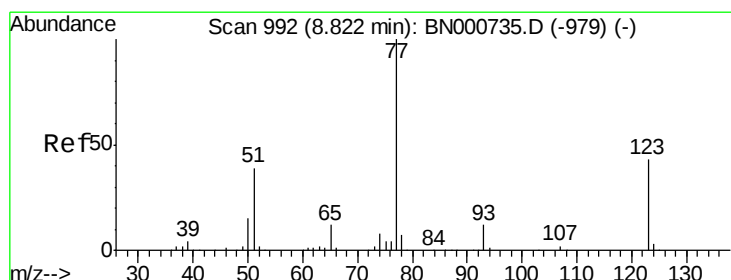
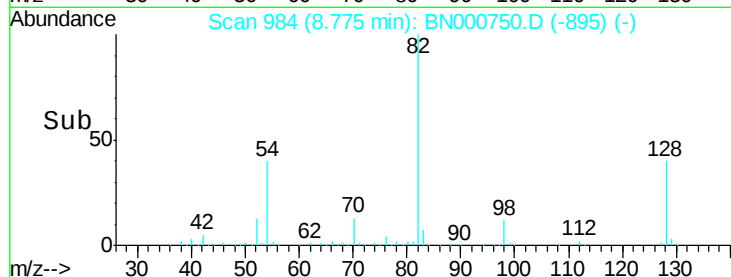
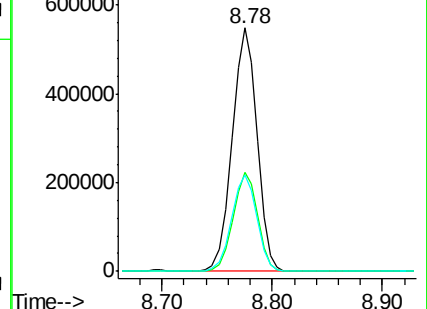
54 39.6 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): BN0

Ion 54.00 (53.70 to 54.70): BN0



#24

Nitrobenzene

Concen: 5.217 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

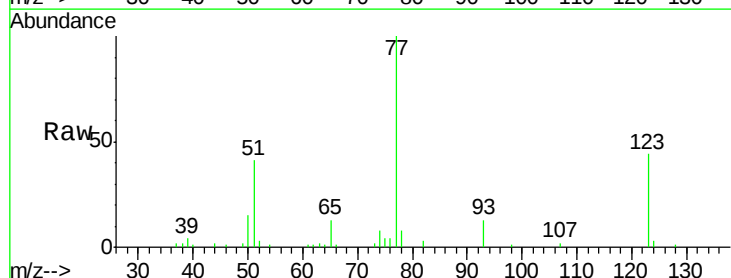
Tgt Ion: 77 Resp: 56299

Ion Ratio Lower Upper

77 100

123 43.7 33.0 49.6

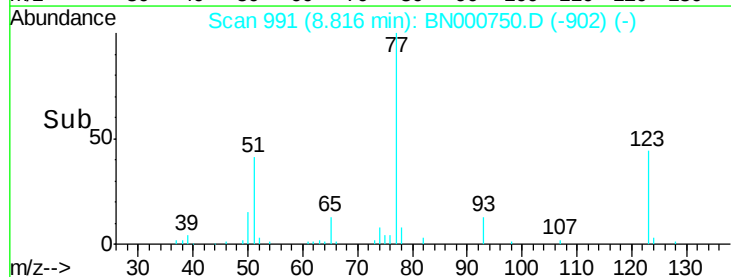
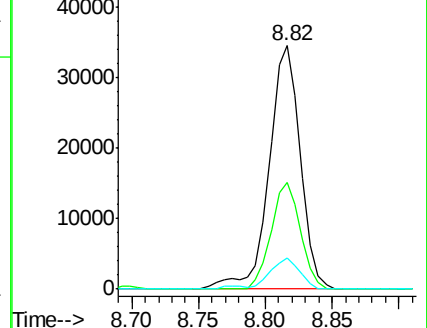
65 12.9 13.0 19.6#

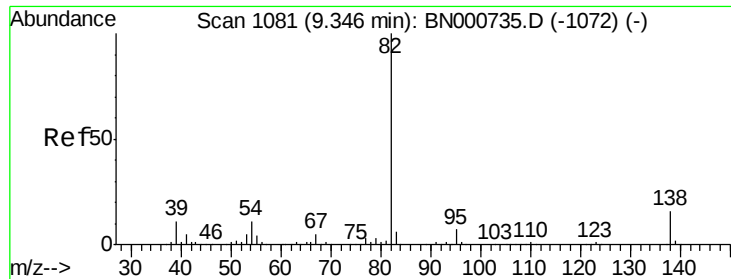


Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

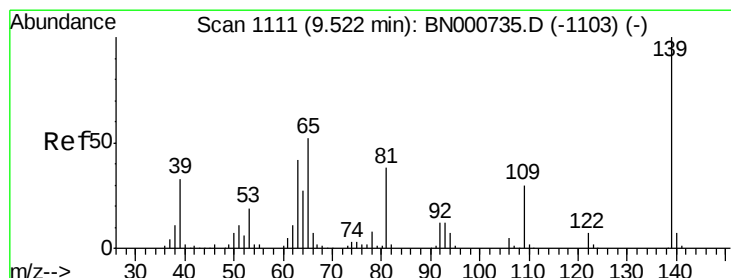
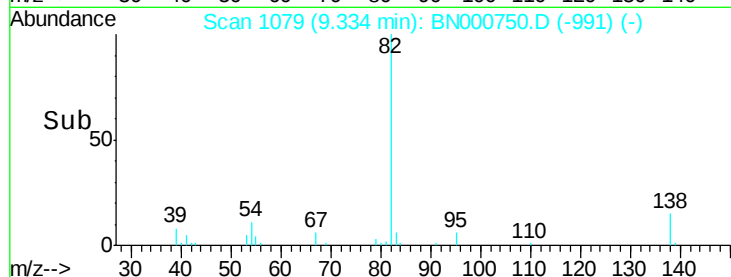
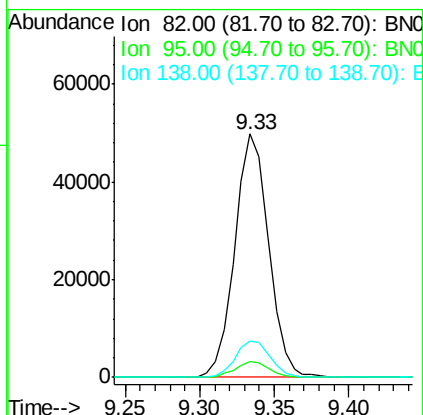
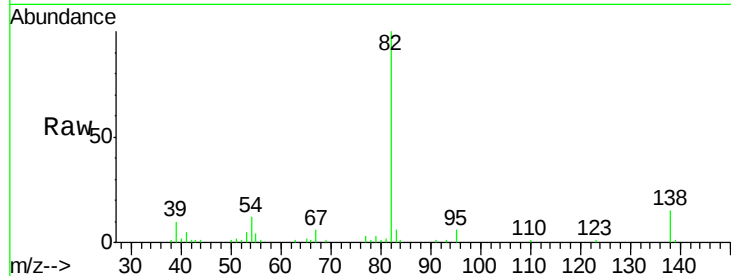




#25
Isophorone
Concen: 4.312 ng
RT: 9.33 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

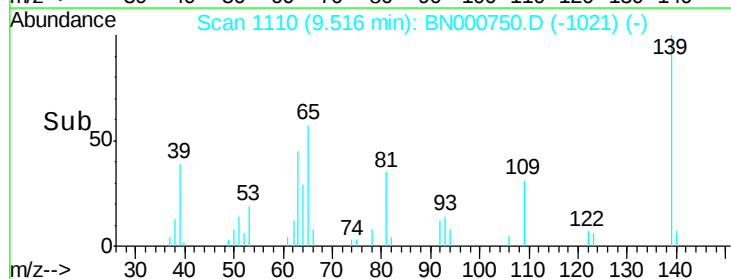
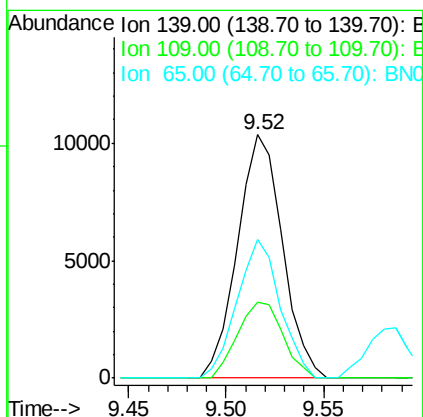
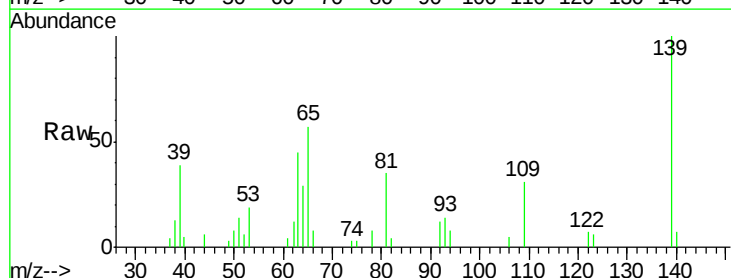
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

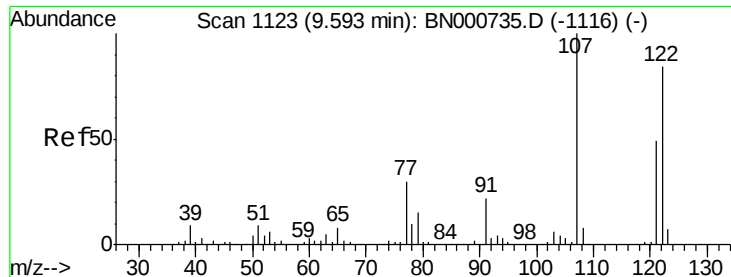
Tot Ion: 82 Resp: 78624
Ion Ratio Lower Upper
82 100
95 6.2 6.2 9.2
138 14.8 12.1 18.1



#26
2-Nitrophenol
Concen: 3.735 ng
RT: 9.52 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion: 139 Resp: 16510
Ion Ratio Lower Upper
139 100
109 31.1 24.2 36.2
65 57.1 47.4 71.0

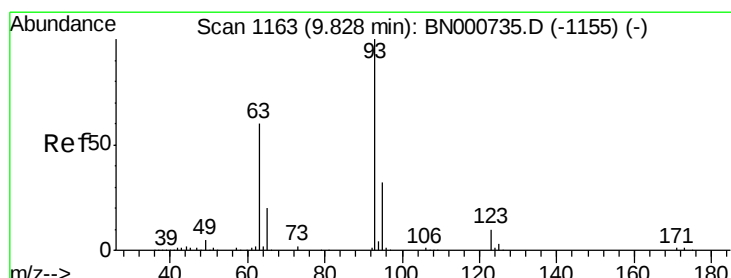
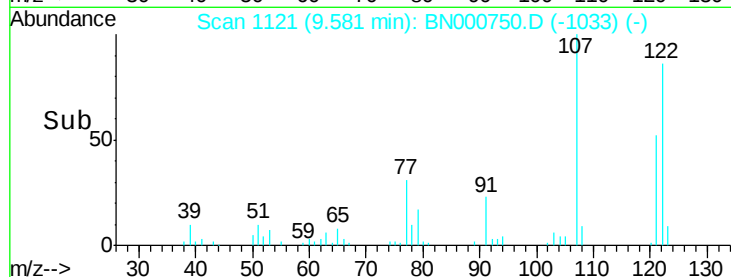
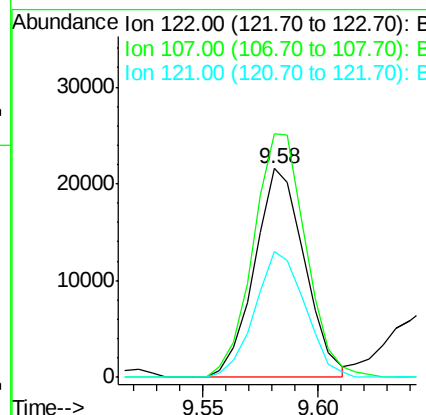
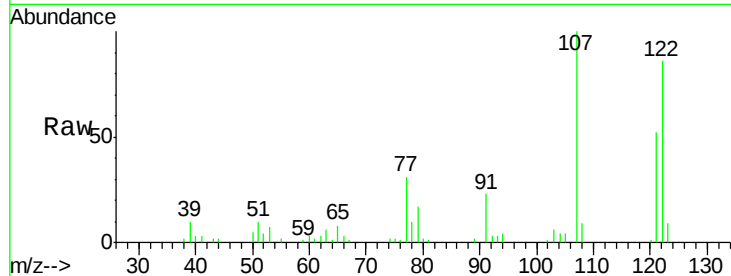




#27
 2,4-Dimethylphenol
 Concen: 4.521 ng
 RT: 9.58 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

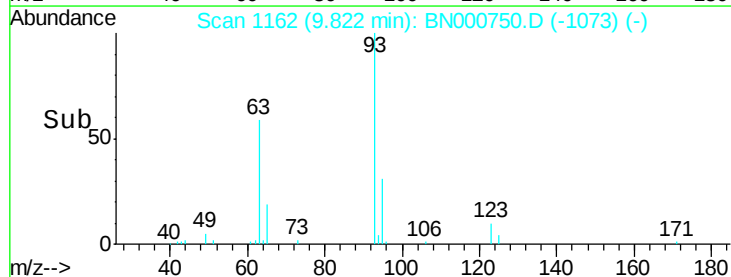
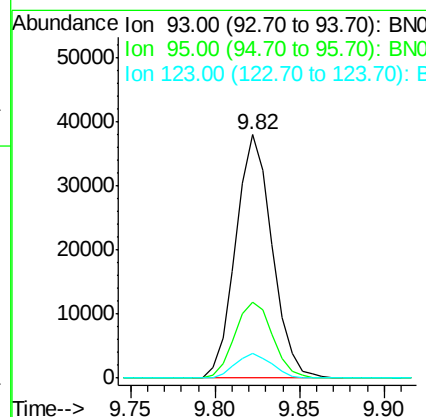
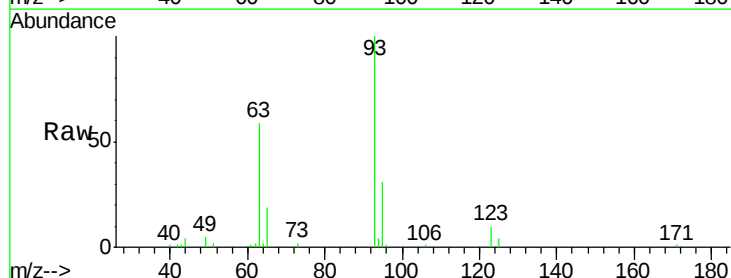
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

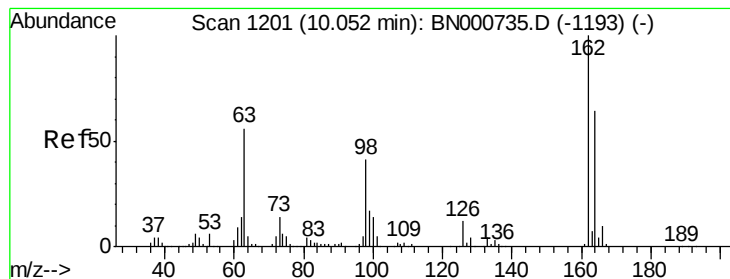
Tot Ion:122 Resp: 32626
 Ion Ratio Lower Upper
 122 100
 107 116.7 100.2 150.2
 121 60.5 44.4 66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.802 ng
 RT: 9.82 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion: 93 Resp: 57086
 Ion Ratio Lower Upper
 93 100
 95 31.5 24.3 36.5
 123 10.2 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 4.376 ng

RT: 10.05 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

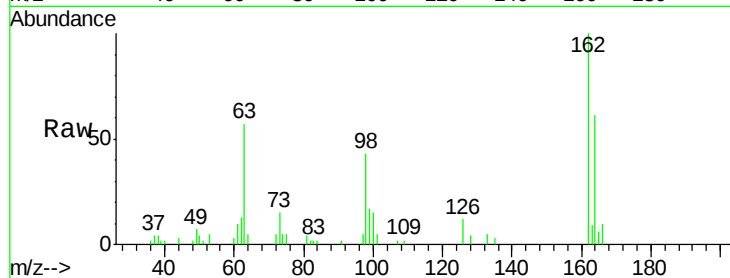
Tot Ion:162 Resp: 31096

Ion Ratio Lower Upper

162 100

164 60.9 48.0 88.0

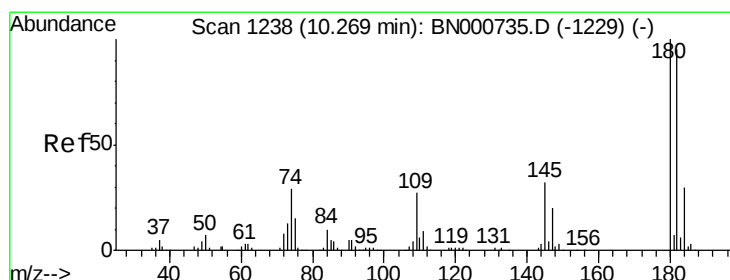
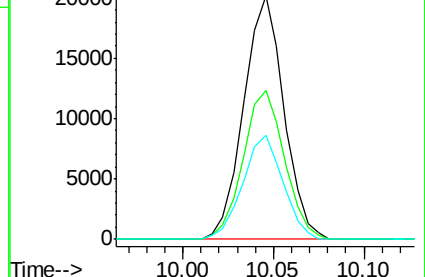
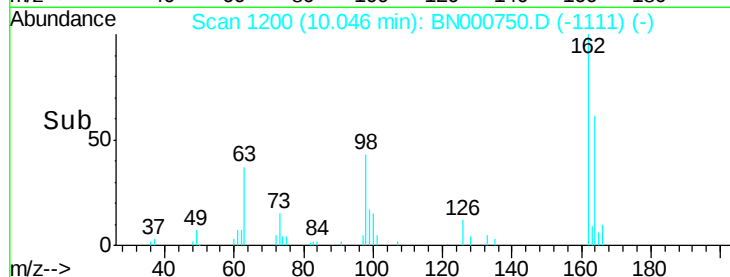
98 42.8 21.1 61.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#30

1,2,4-Trichlorobenzene

Concen: 5.039 ng

RT: 10.26 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

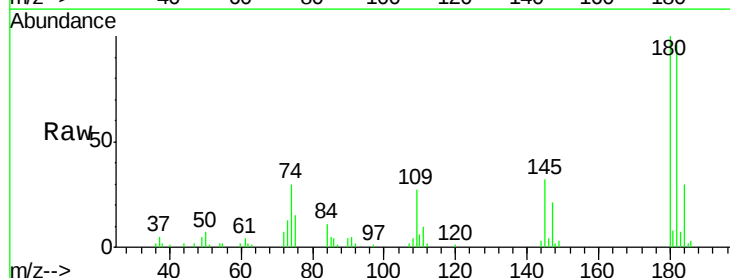
Tgt Ion:180 Resp: 43163

Ion Ratio Lower Upper

180 100

182 96.2 77.5 116.3

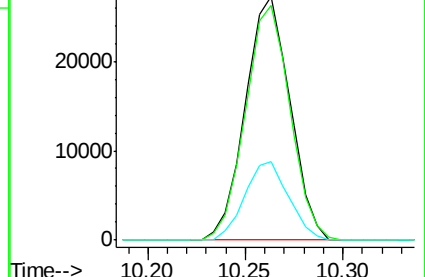
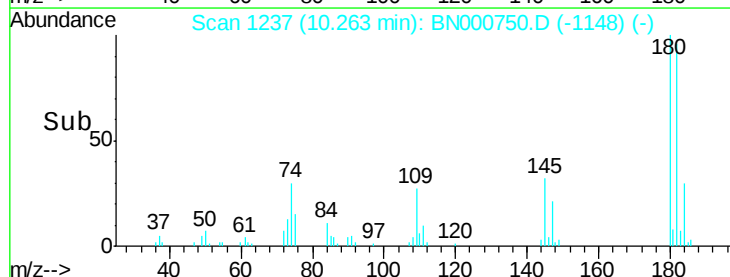
145 32.1 23.4 35.2

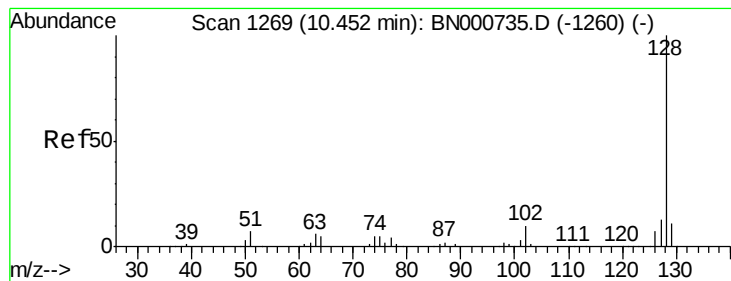


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

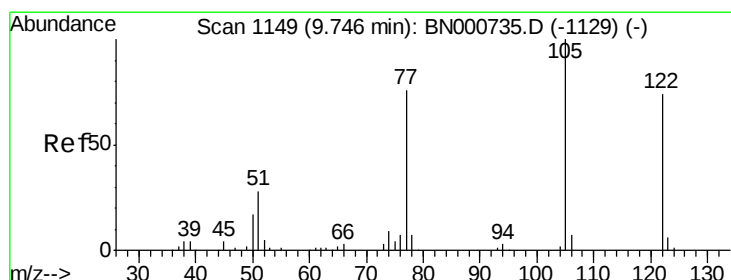
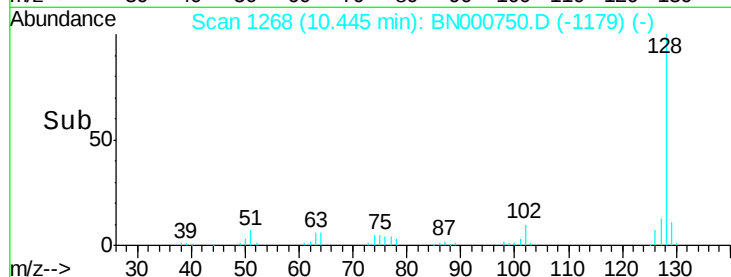
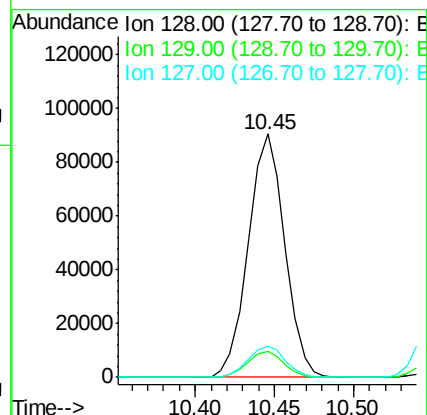
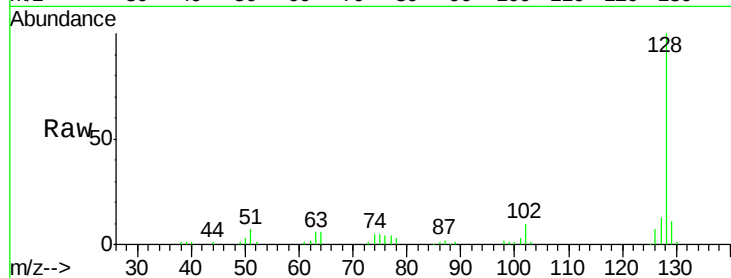




#31
Naphthalene
Concen: 5.122 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

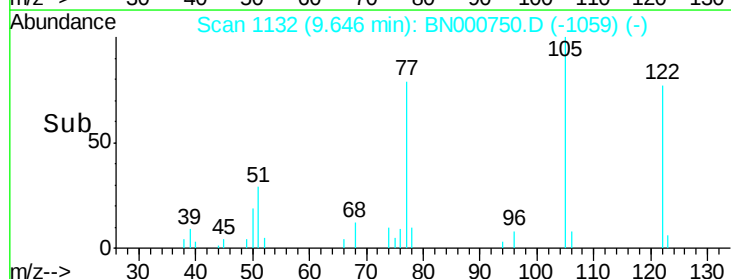
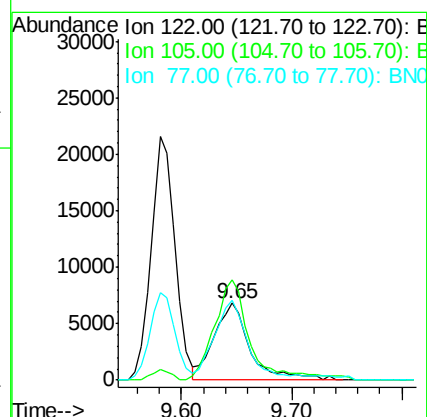
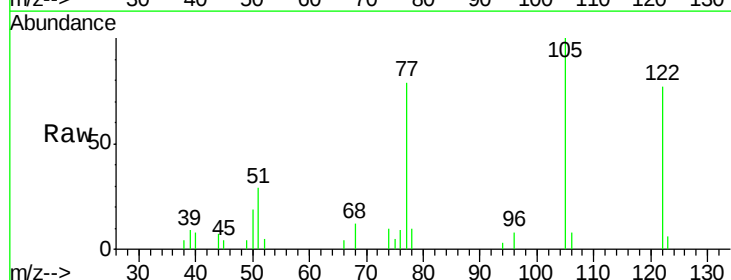
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

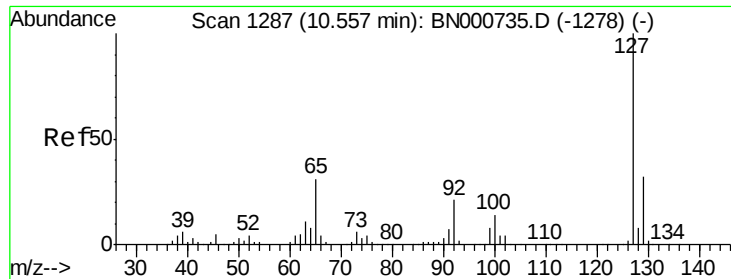
Tot Ion:128 Resp: 144473
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.6 11.6 17.4



#32
Benzoic acid
Concen: 6.657 ng
RT: 9.65 min Scan# 1132
Delta R.T. -0.10 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:122 Resp: 15387
Ion Ratio Lower Upper
122 100
105 130.6 123.5 163.5
77 103.2 85.7 125.7

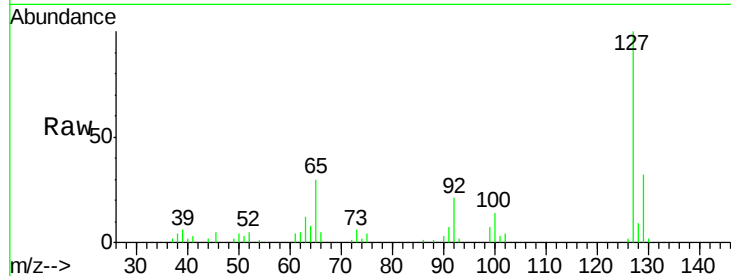




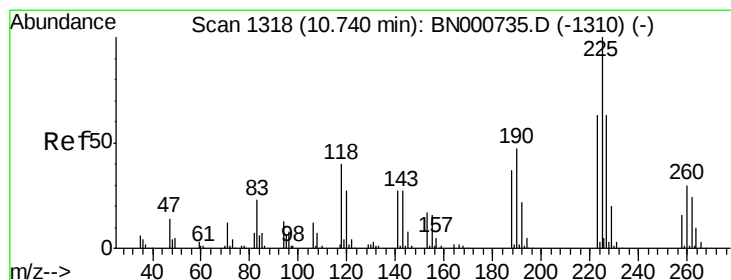
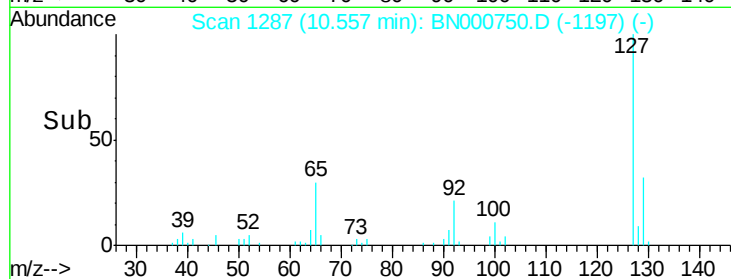
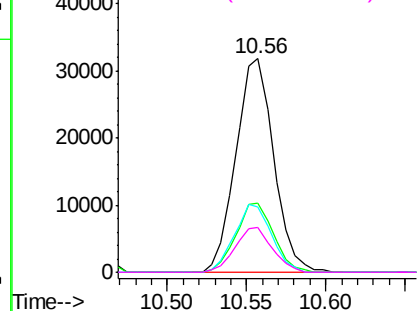
#33
4-Chloroaniline
Concen: 4.576 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tot Ion:	127	Resp:	52705
Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.0	36.0
65	30.3	27.0	40.4
92	20.9	16.6	25.0

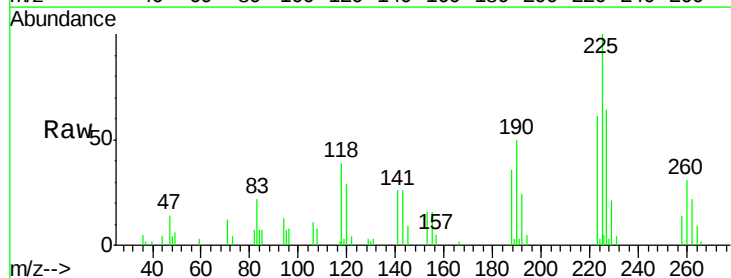


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

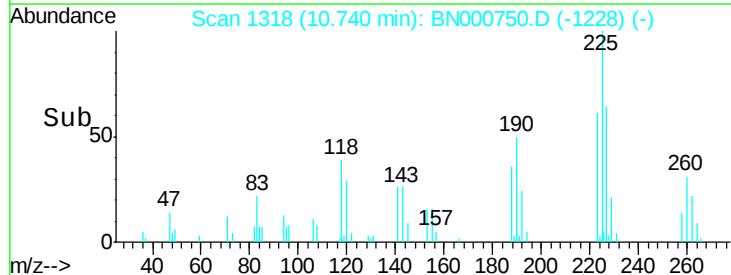
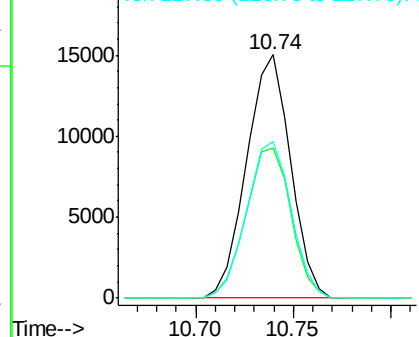


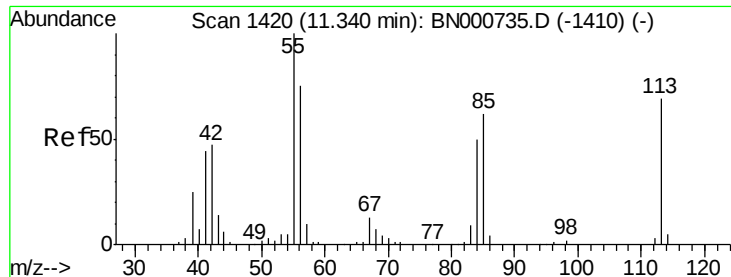
#34
Hexachlorobutadiene
Concen: 5.043 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:	225	Resp:	23461
Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.7	74.5
227	64.4	48.1	72.1



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

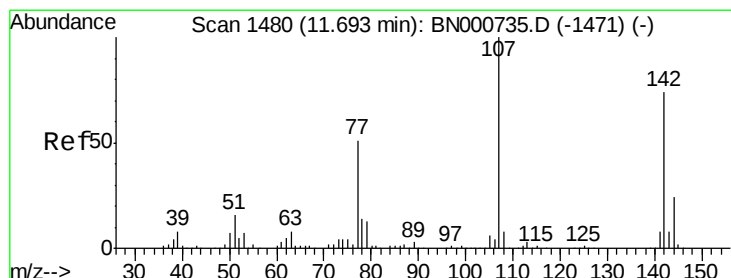
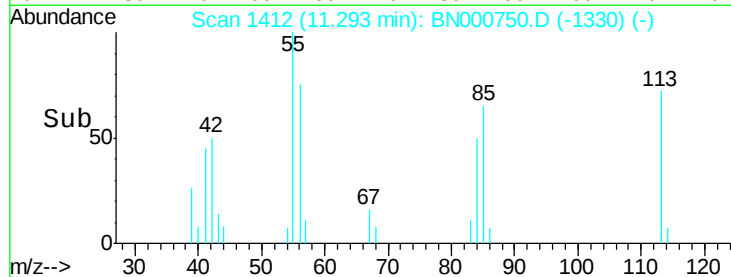
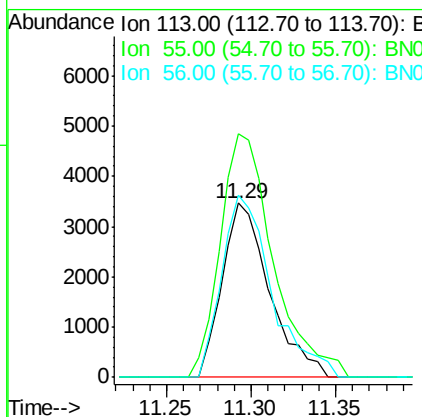
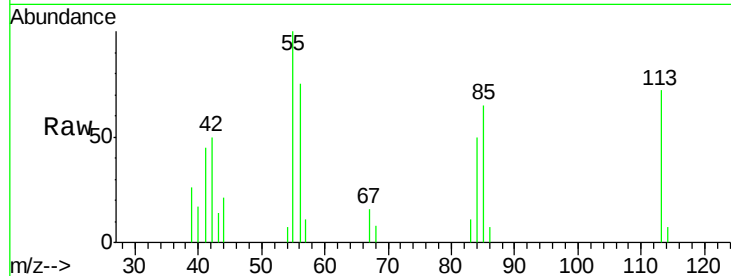




#35
 Caprolactam
 Concen: 2.753 ng
 RT: 11.29 min Scan# 1412
 Delta R.T. -0.05 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

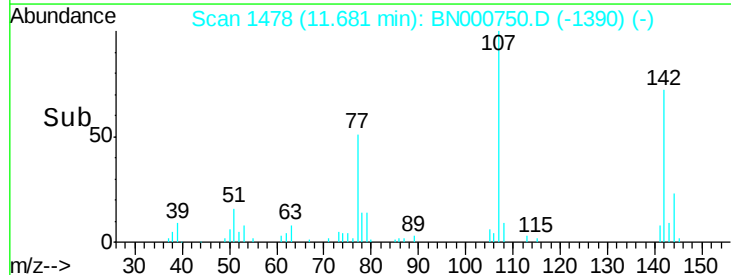
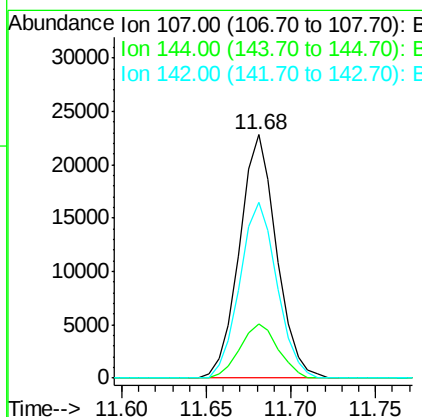
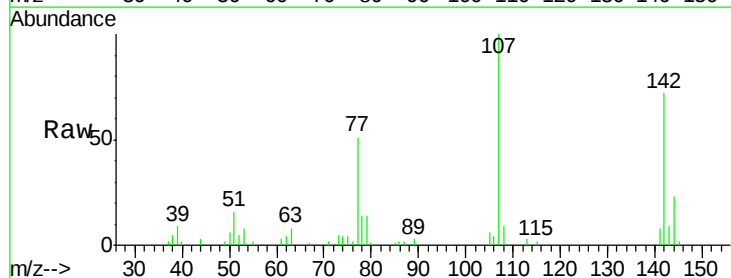
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

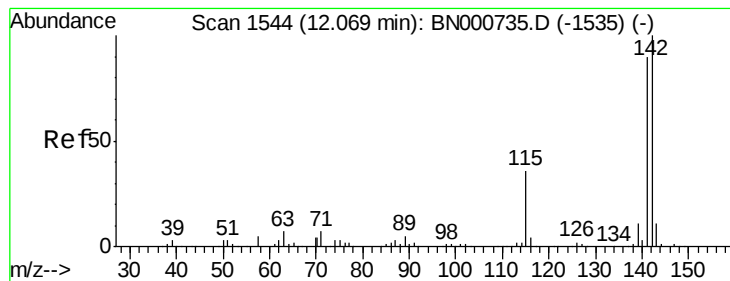
Tot Ion:113 Resp: 6769
 Ion Ratio Lower Upper
 113 100
 55 139.7 120.0 160.0
 56 104.2 90.0 130.0



#36
 4-Chloro-3-methylphenol
 Concen: 4.143 ng
 RT: 11.68 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:107 Resp: 34761
 Ion Ratio Lower Upper
 107 100
 144 22.5 18.2 27.4
 142 72.4 59.0 88.4





#37

2-Methylnaphthalene

Concen: 5.077 ng

RT: 12.06 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

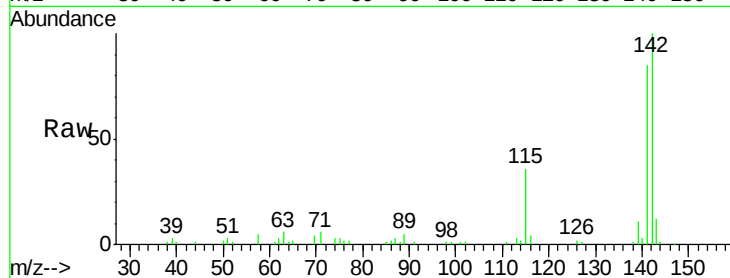
Tot Ion:142 Resp: 93798

Ion Ratio Lower Upper

142 100

141 85.3 67.1 100.7

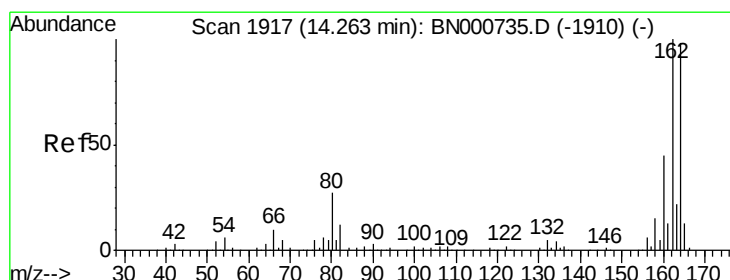
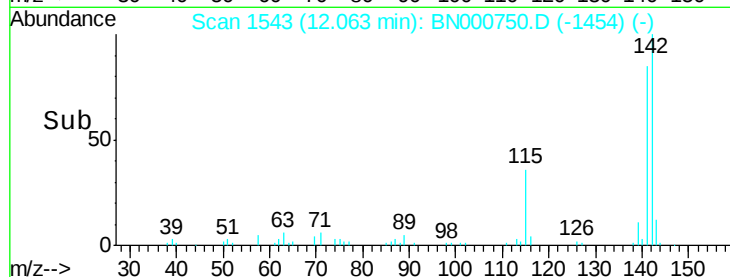
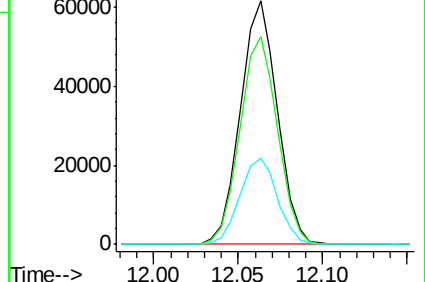
115 35.6 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

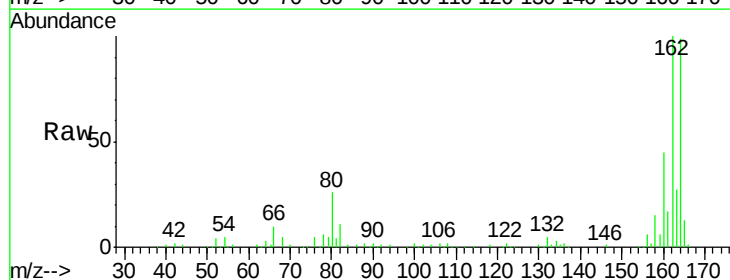
Tgt Ion:164 Resp: 270184

Ion Ratio Lower Upper

164 100

162 101.2 78.8 118.2

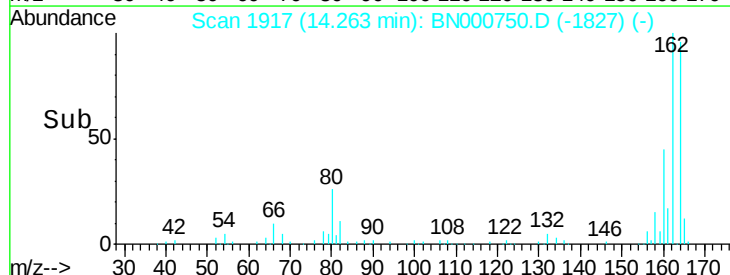
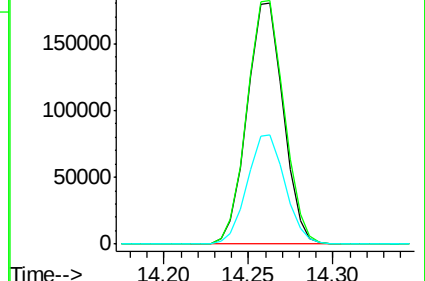
160 45.7 35.4 53.0

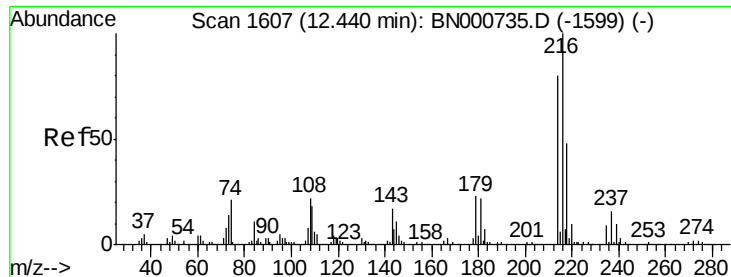


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 5.132 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 42999

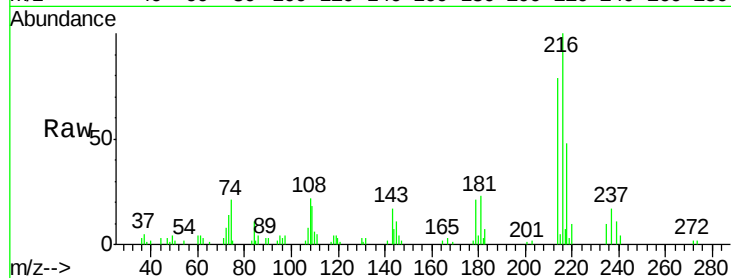
Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.0	94.4
179	21.9	17.0	25.6
108	23.1	12.8	19.2

216 100

214 79.4 63.0 94.4

179 21.9 17.0 25.6

108 23.1 12.8 19.2

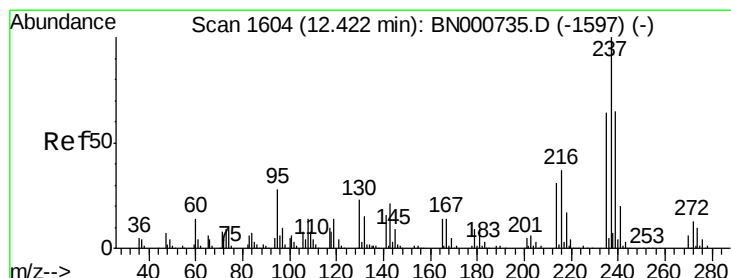
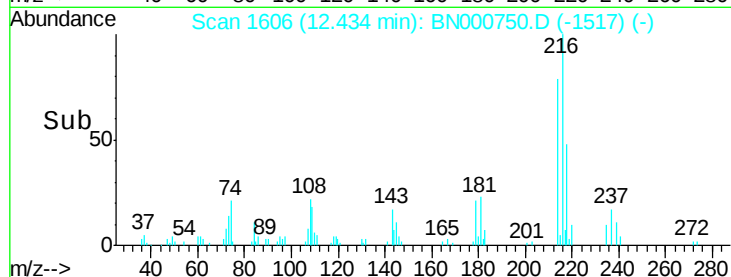
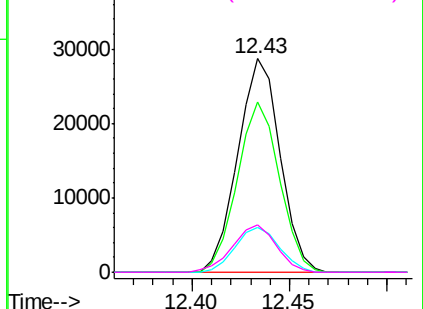


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 4.278 ng

RT: 12.42 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

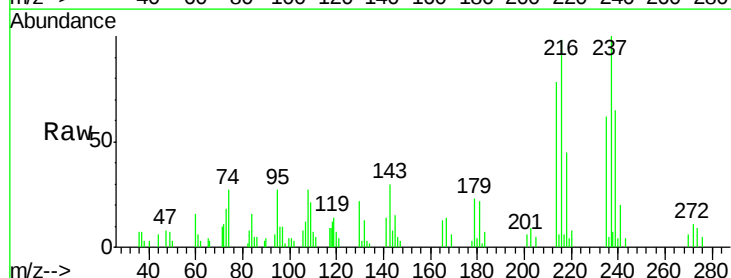
Tgt Ion:237 Resp: 21023

Ion	Ratio	Lower	Upper
237	100		
235	61.9	50.4	90.4
272	11.3	0.0	31.8

237 100

235 61.9 50.4 90.4

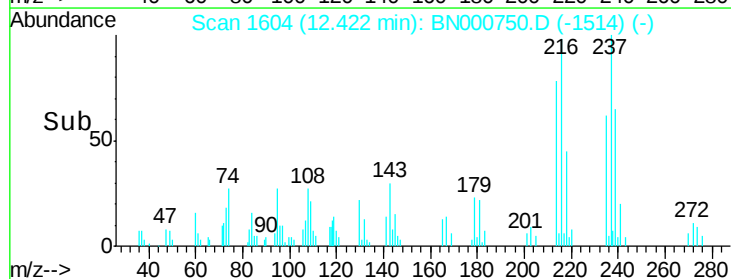
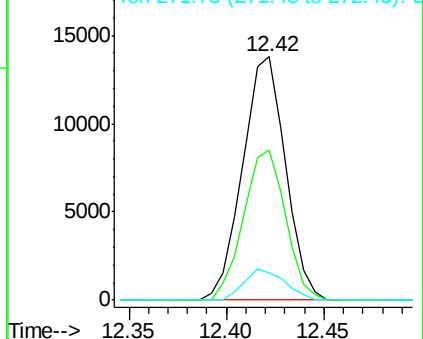
272 11.3 0.0 31.8

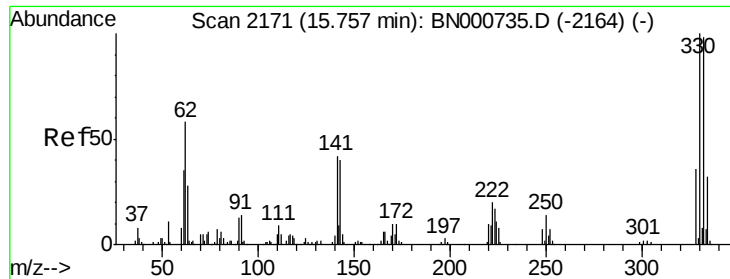


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

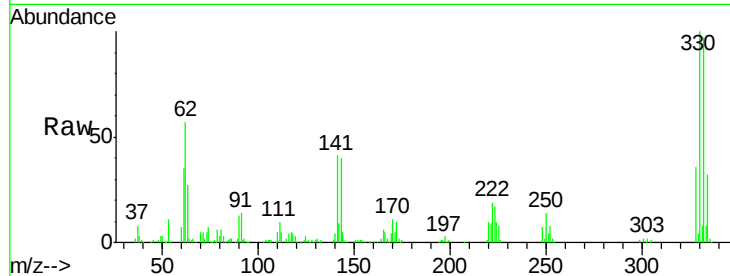




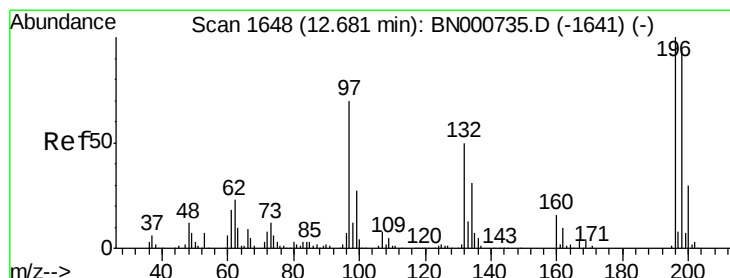
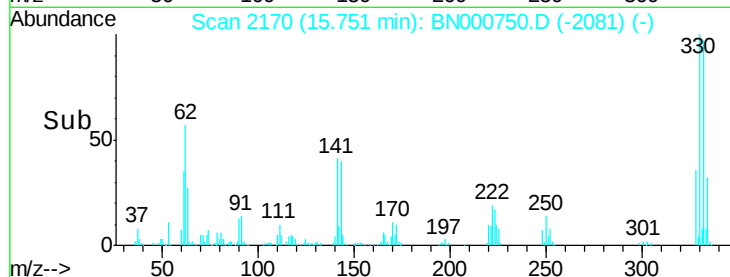
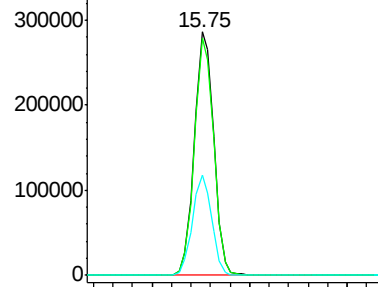
#41
 2,4,6-Tribromophenol
 Concen: 145.069 ng
 RT: 15.75 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:330 Resp: 394584
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 41.1 25.2 37.8#

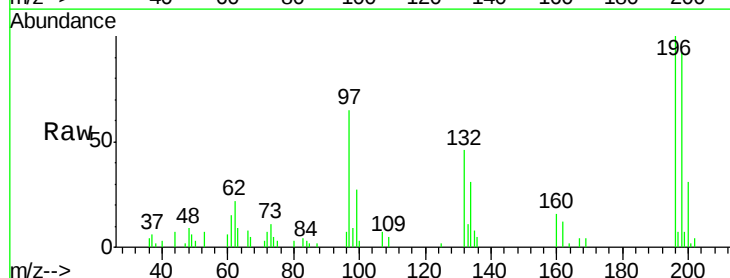


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

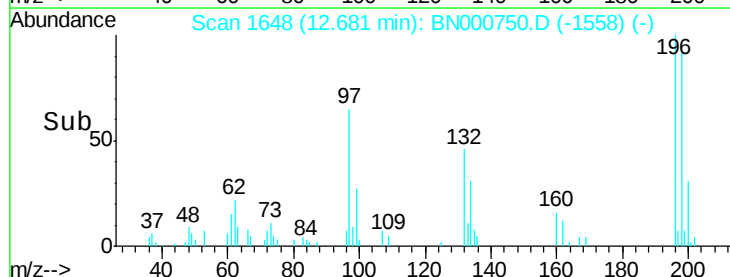
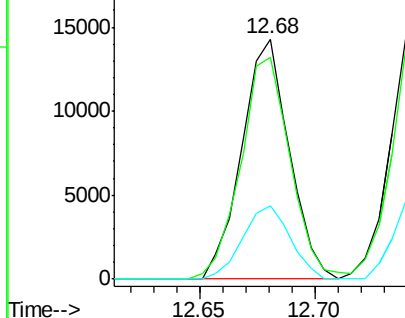


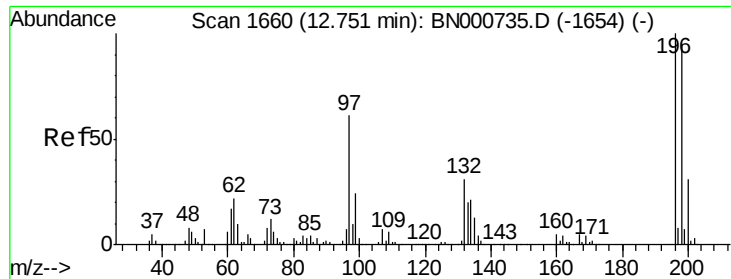
#42
 2,4,6-Trichlorophenol
 Concen: 4.028 ng
 RT: 12.68 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:196 Resp: 20470
 Ion Ratio Lower Upper
 196 100
 198 92.4 78.2 117.2
 200 30.8 24.6 36.8



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

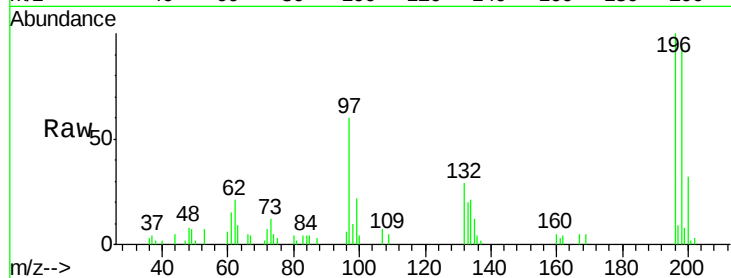




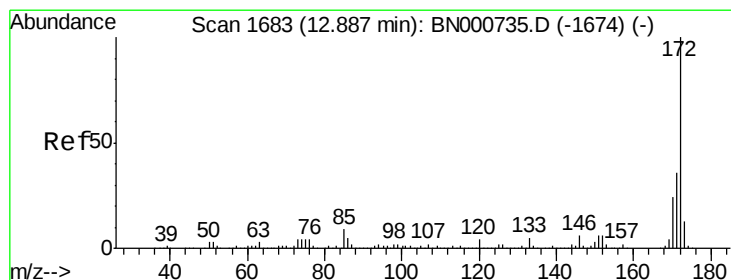
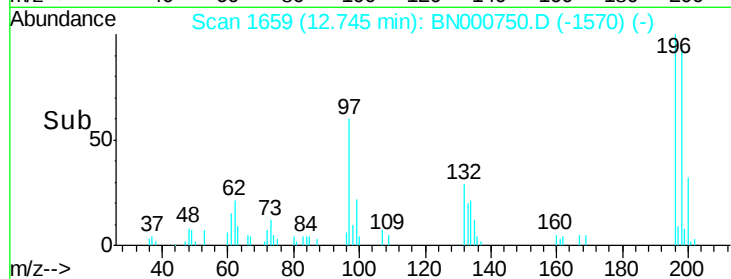
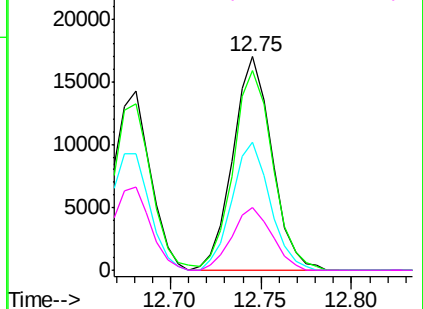
#43
 2,4,5-Trichlorophenol
 Concen: 4.375 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:196 Resp: 25679
 Ion Ratio Lower Upper
 196 100
 198 93.7 76.2 114.4
 97 59.8 38.7 58.1#
 132 29.2 20.2 30.2

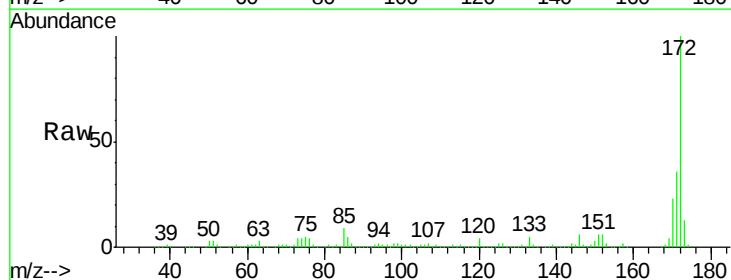


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BNC
 Ion 132.00 (131.70 to 132.70): E

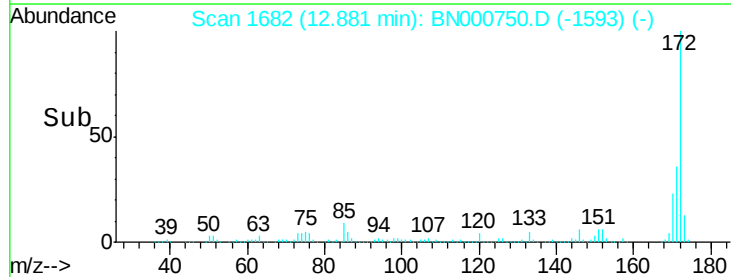
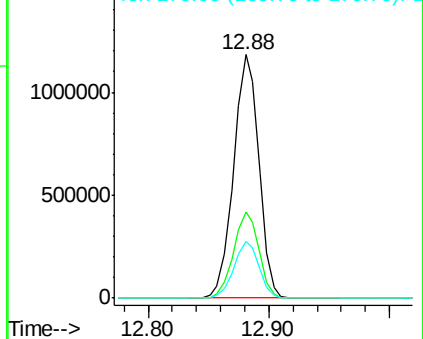


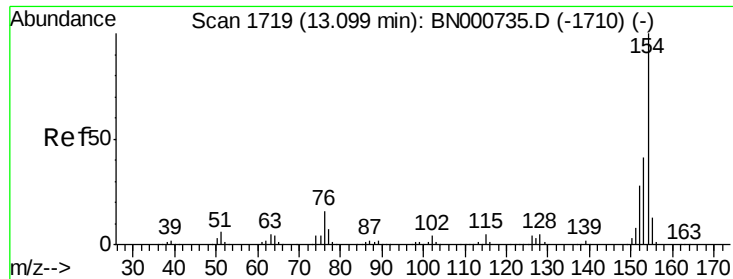
#44
 2-Fluorobiphenyl
 Concen: 87.913 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:172 Resp: 1720638
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.0 45.0
 170 23.3 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

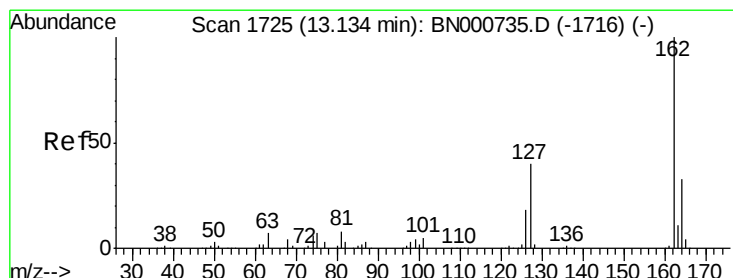
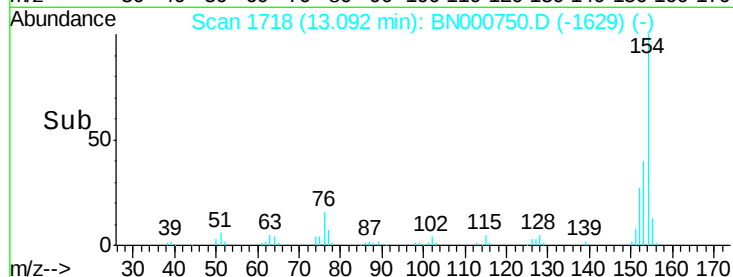
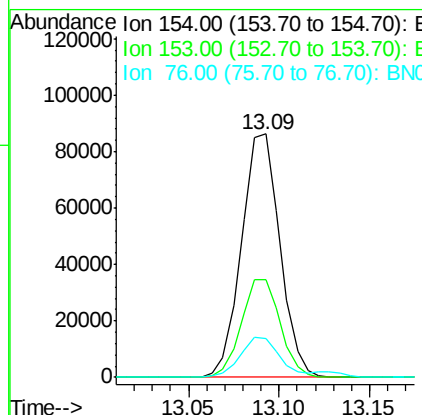
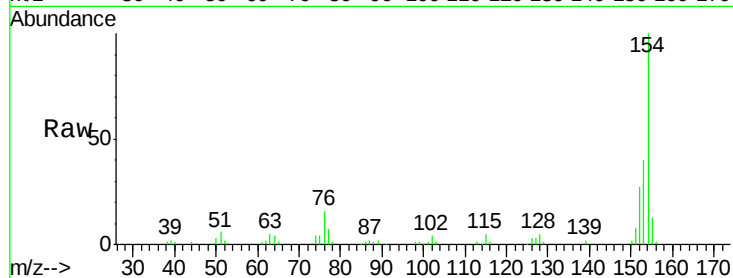




#45
 1,1'-Biphenyl
 Concen: 5.261 ng
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

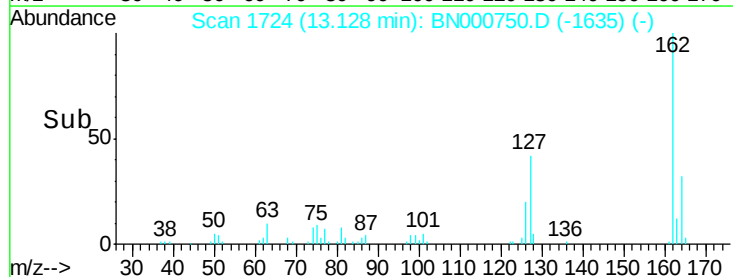
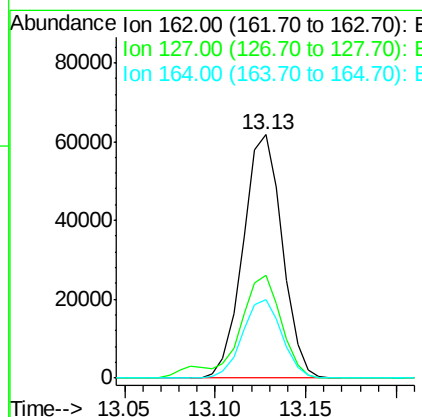
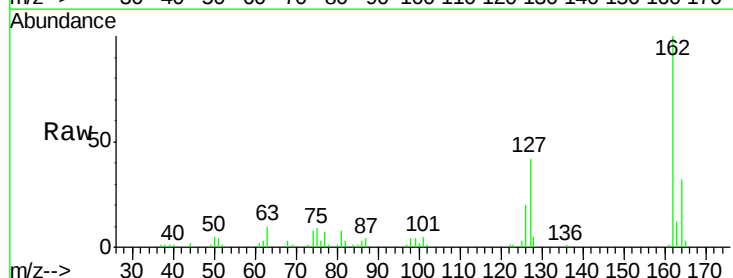
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

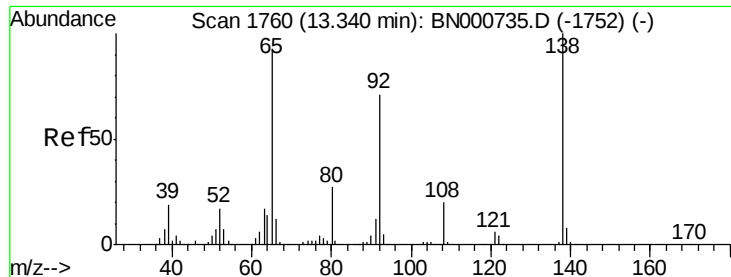
Tot Ion:154 Resp: 127235
 Ion Ratio Lower Upper
 154 100
 153 40.0 19.8 59.8
 76 15.9 0.0 31.9



#46
 2-Chloronaphthalene
 Concen: 5.103 ng
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:162 Resp: 92532
 Ion Ratio Lower Upper
 162 100
 127 42.4 30.7 46.1
 164 32.3 26.0 39.0





#47

2-Nitroaniline

Concen: 3.353 ng

RT: 13.33 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

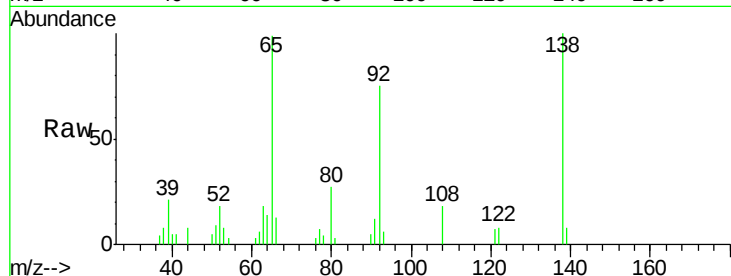
Tot Ion: 65 Resp: 17640

Ion Ratio Lower Upper

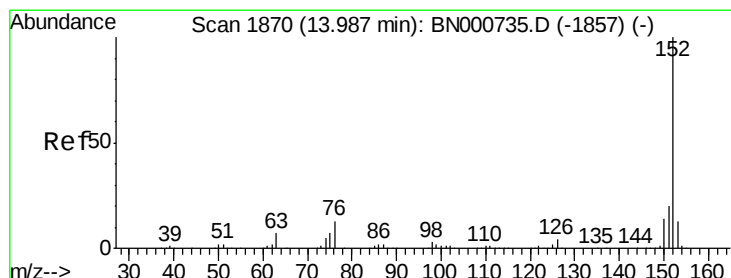
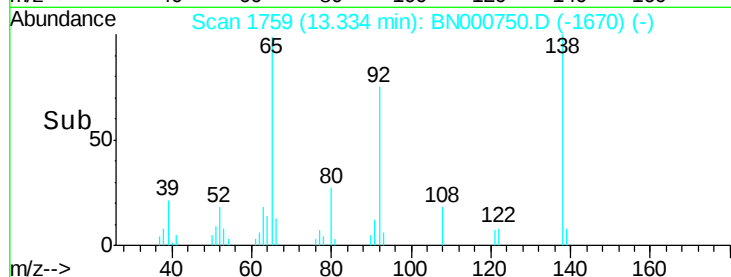
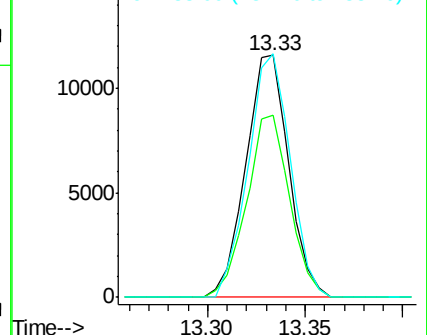
65 100

92 75.4 54.6 82.0

138 100.5 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: 4.787 ng

RT: 13.98 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

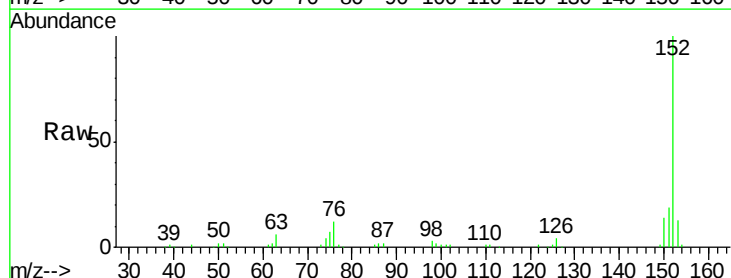
Tgt Ion: 152 Resp: 137589

Ion Ratio Lower Upper

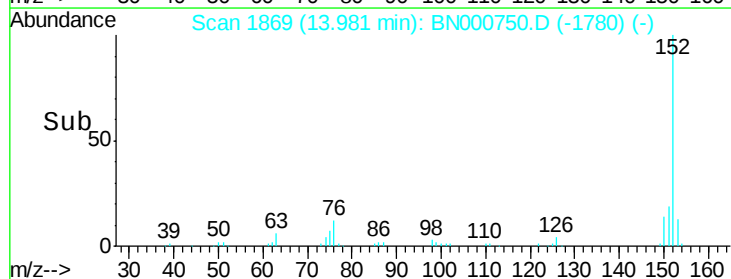
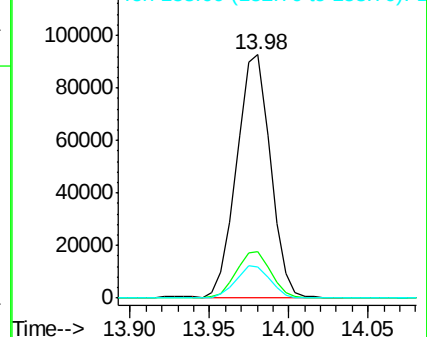
152 100

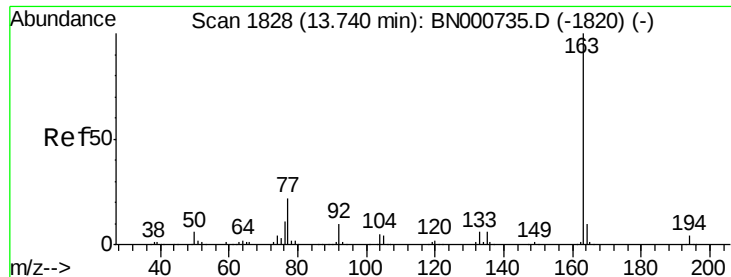
151 19.3 17.2 25.8

153 12.7 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

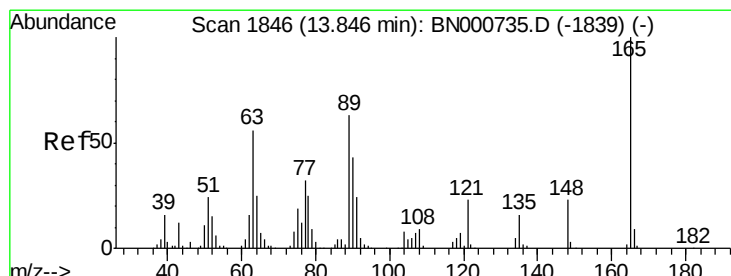
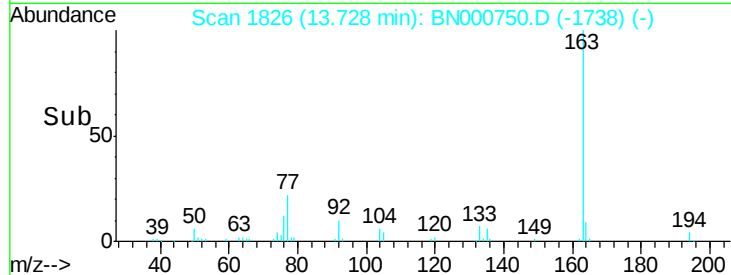
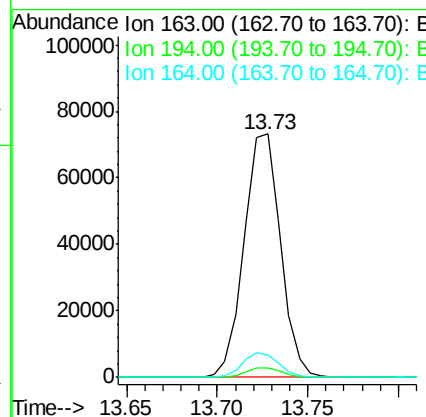
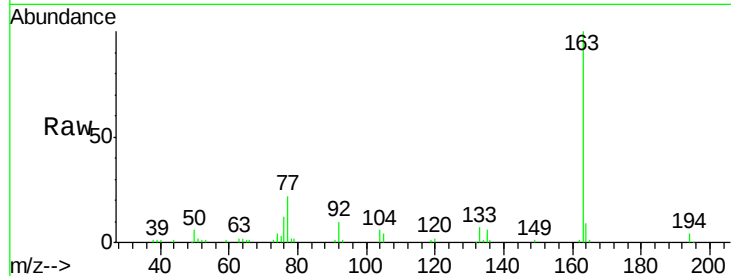




#49
Dimethylphthalate
Concen: 4.743 ng
RT: 13.73 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

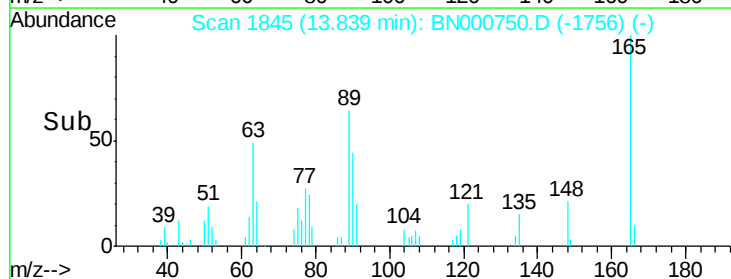
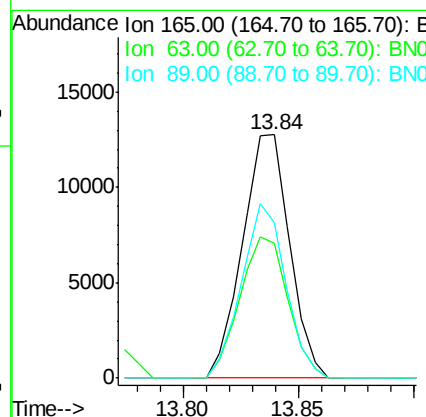
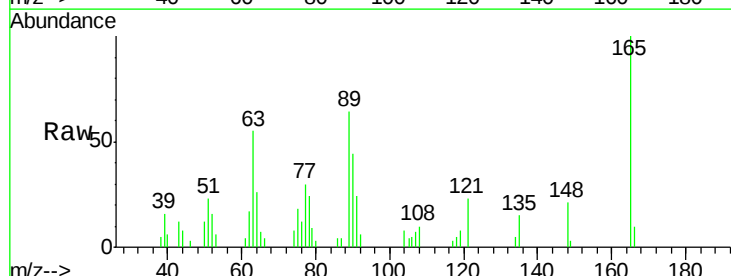
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

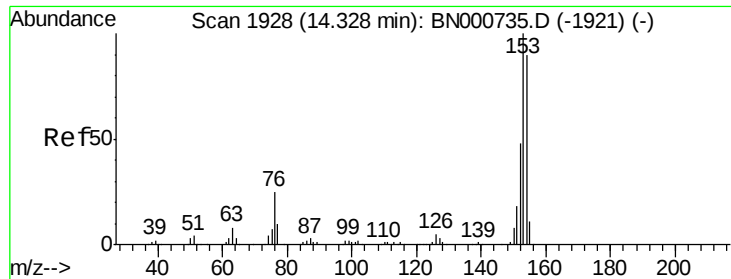
Tot Ion:163 Resp: 102405
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 9.3 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 3.976 ng
RT: 13.84 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:165 Resp: 18184
Ion Ratio Lower Upper
165 100
63 55.3 52.7 79.1
89 63.7 49.2 73.8





#51

Acenaphthene

Concen: 5.102 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

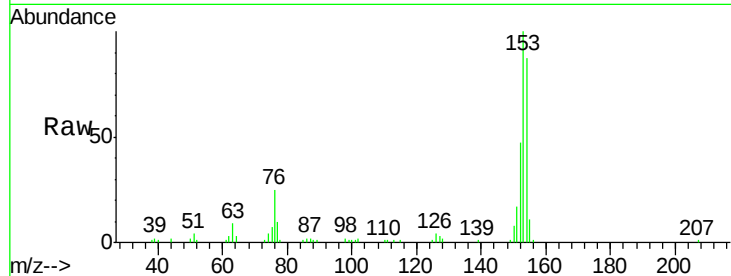
Tot Ion:154 Resp: 89395

Ion Ratio Lower Upper

154 100

153 114.5 90.4 135.6

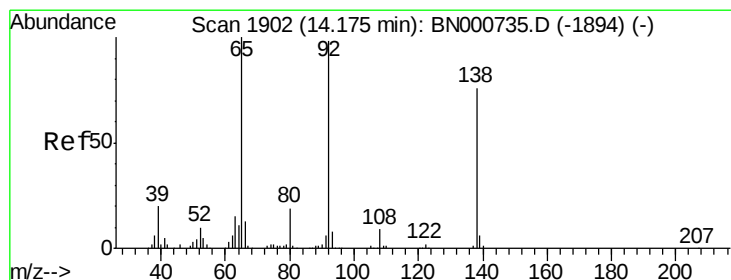
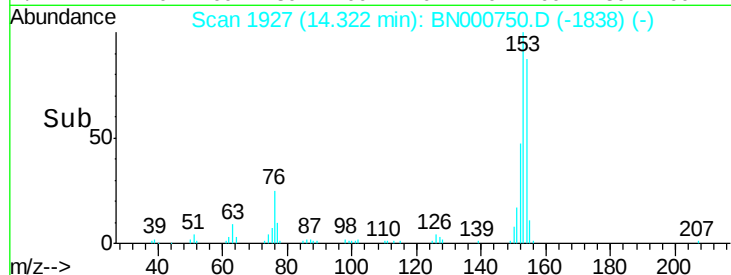
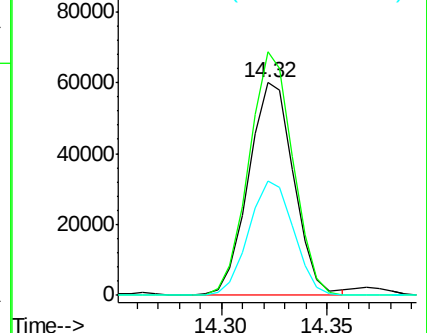
152 54.1 41.6 62.4



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: 3.577 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

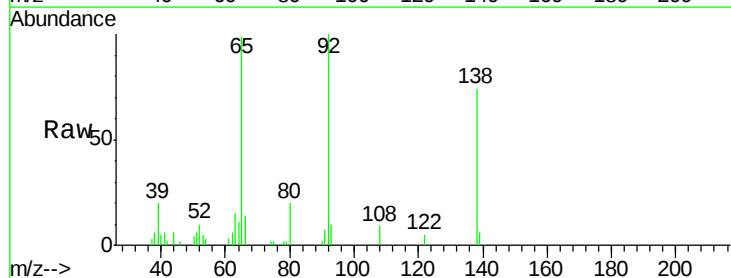
Tgt Ion:138 Resp: 18618

Ion Ratio Lower Upper

138 100

108 12.5 17.5 26.3#

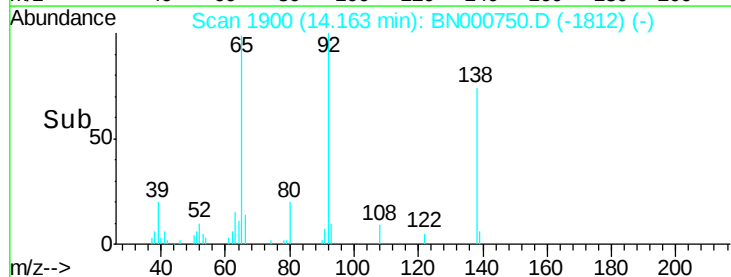
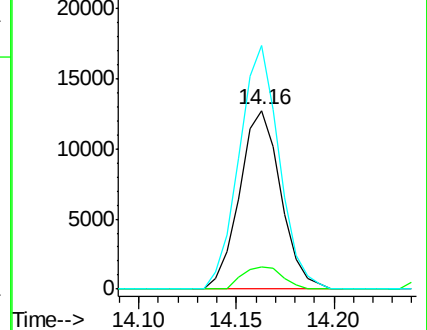
92 136.0 105.8 158.8

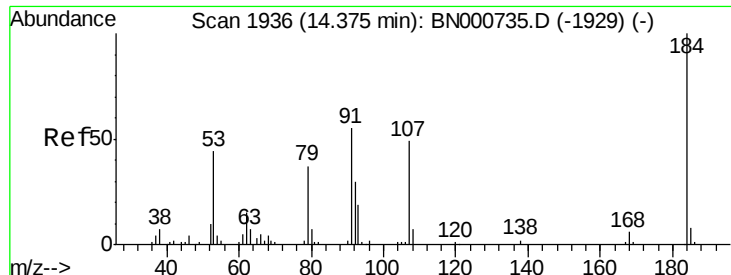


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#53

2,4-Dinitrophenol

Concen: 7.626 ng

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

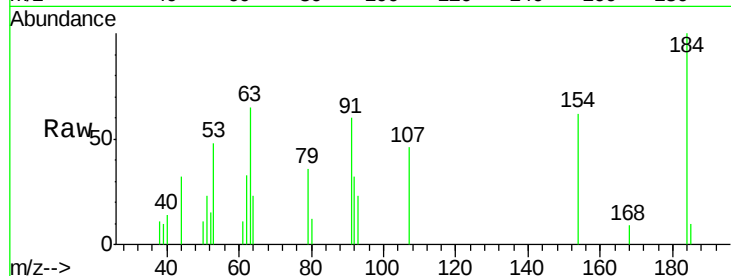
Tot Ion:184 Resp: 4948

Ion Ratio Lower Upper

184 100

63 64.5 56.0 84.0

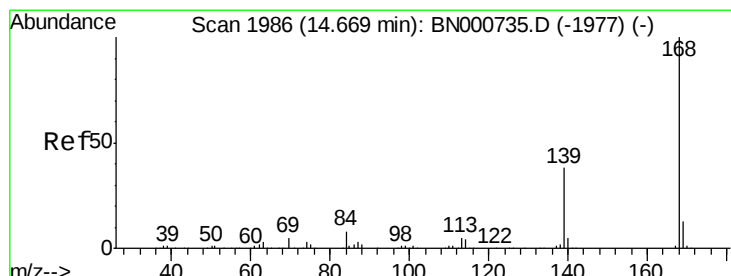
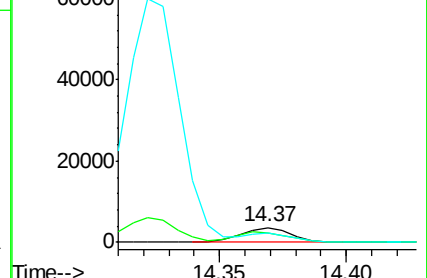
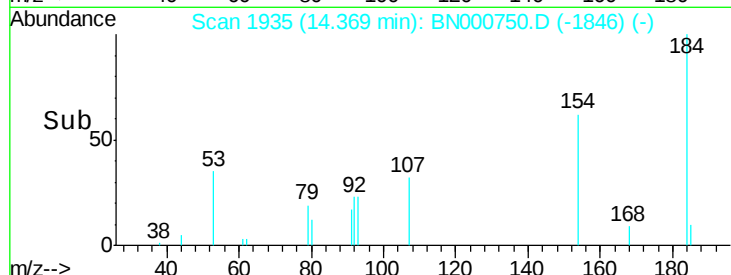
154 62.2 48.0 72.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): B

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 5.170 ng

RT: 14.66 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

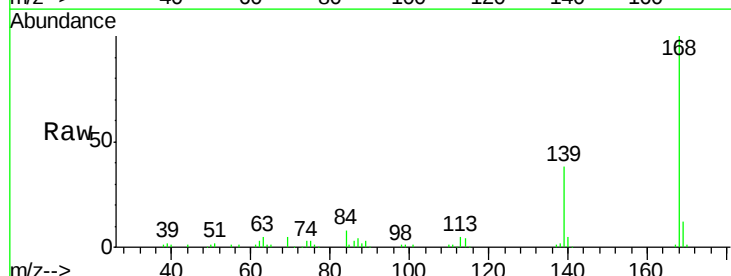
Tgt Ion:168 Resp: 131855

Ion Ratio Lower Upper

168 100

139 38.1 28.6 43.0

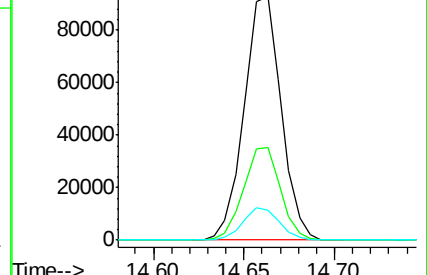
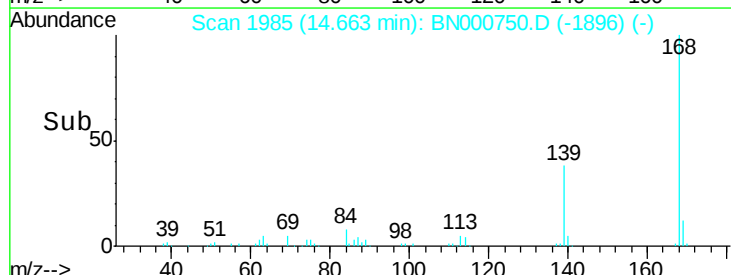
169 12.4 11.2 16.8

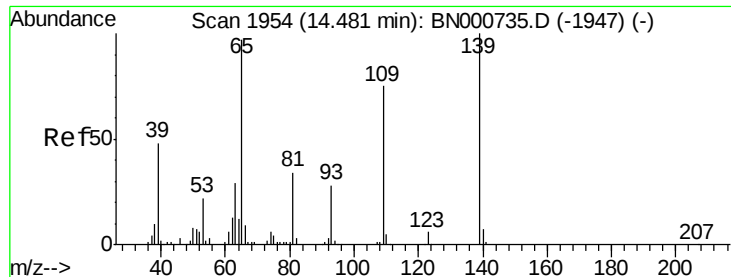


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

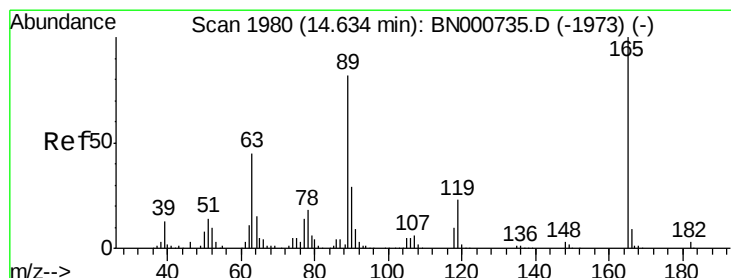
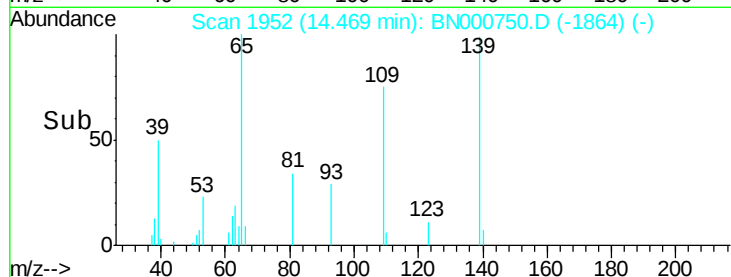
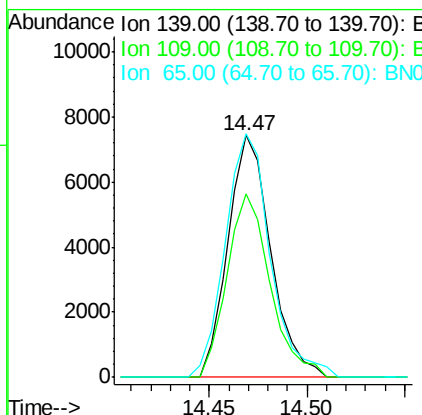
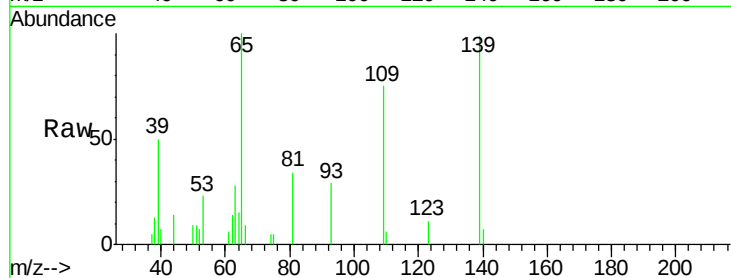




#55
4-Nitrophenol
Concen: 2.917 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

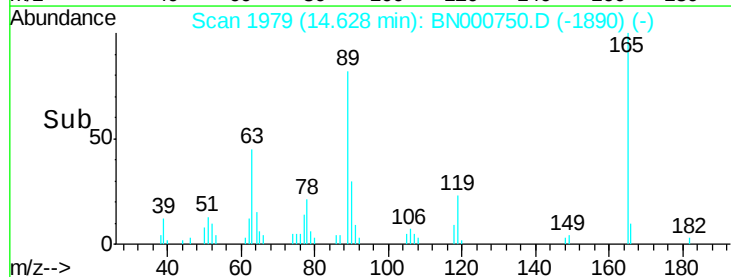
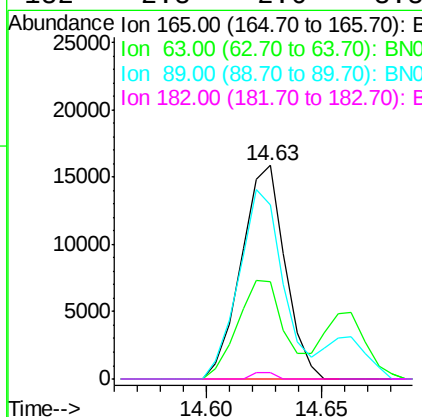
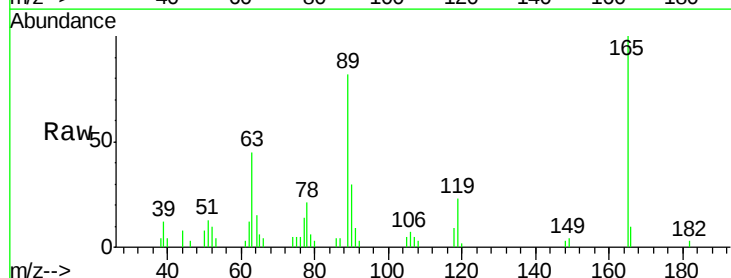
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

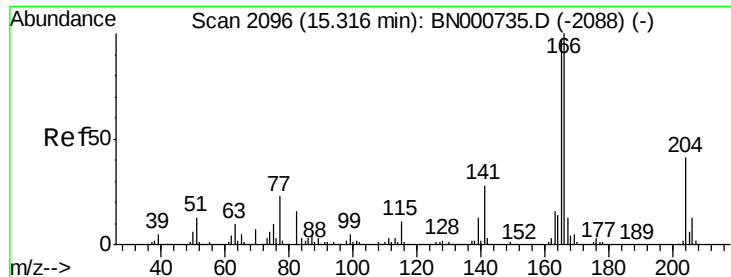
Tot Ion:139 Resp: 11273
Ion Ratio Lower Upper
139 100
109 76.0 62.2 102.2
65 100.7 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 3.496 ng
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:165 Resp: 20930
Ion Ratio Lower Upper
165 100
63 45.3 42.0 63.0
89 81.7 66.9 100.3
182 2.8 2.6 3.8





#57

Fluorene

Concen: 5.065 ng

RT: 15.31 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

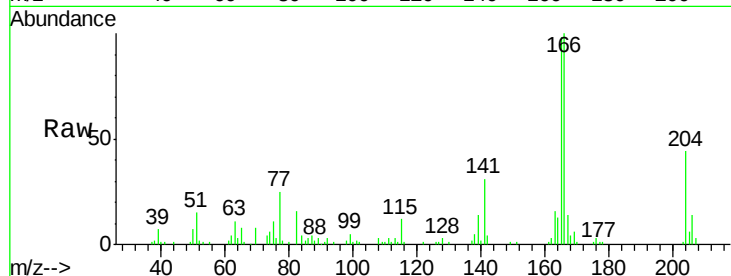
Tot Ion:166 Resp: 102135

Ion Ratio Lower Upper

166 100

165 98.5 80.6 121.0

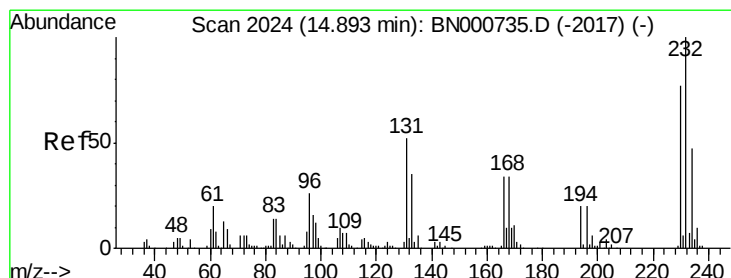
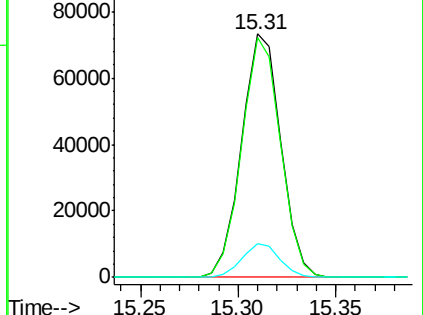
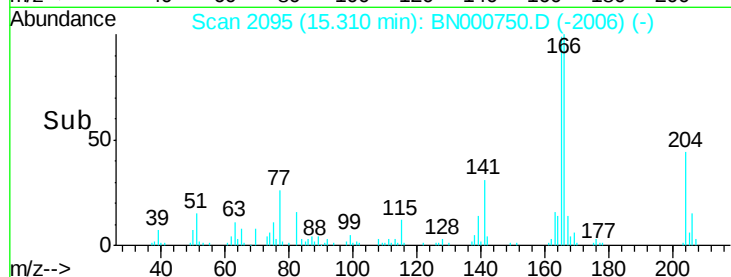
167 14.0 10.4 15.6



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: 4.142 ng

RT: 14.89 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Tgt Ion:232 Resp: 18689

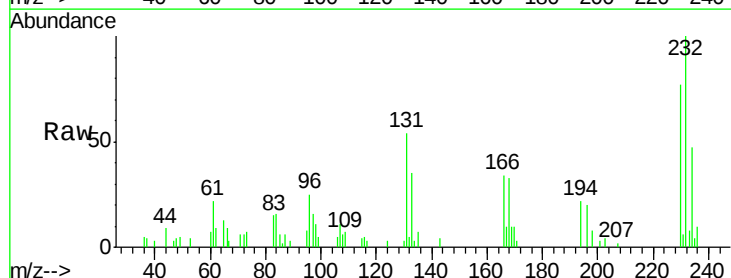
Ion Ratio Lower Upper

232 100

131 54.3 33.5 50.3#

130 1.3 2.2 3.2#

166 33.7 24.8 37.2

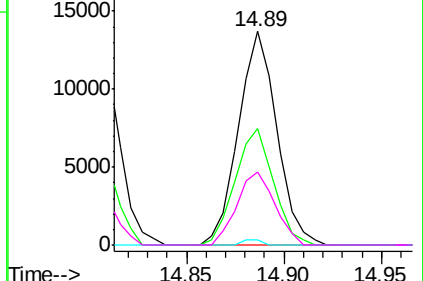
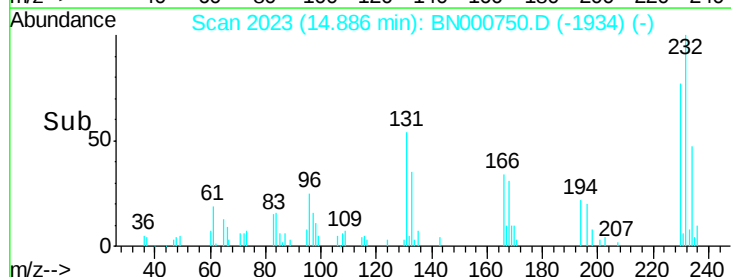


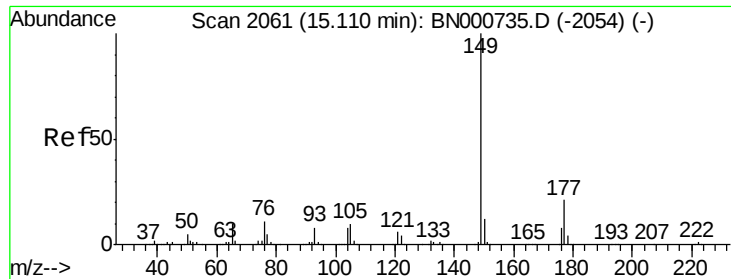
Abundance Ion 232.00 (231.70 to 232.70): E

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

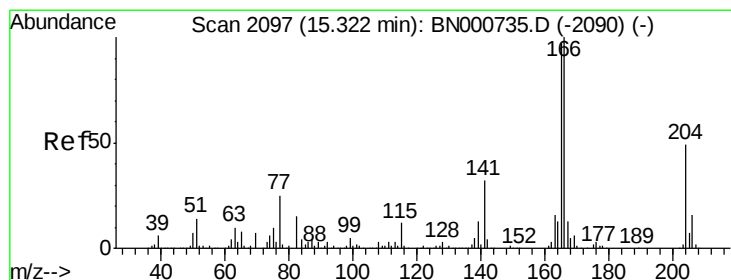
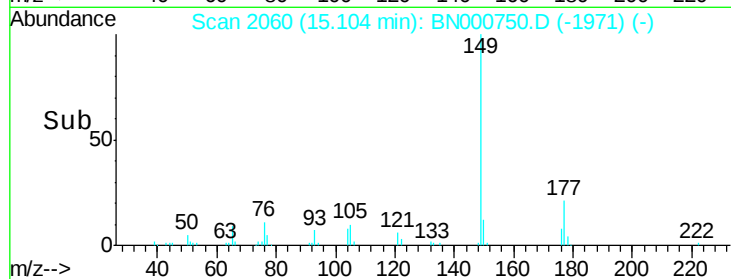
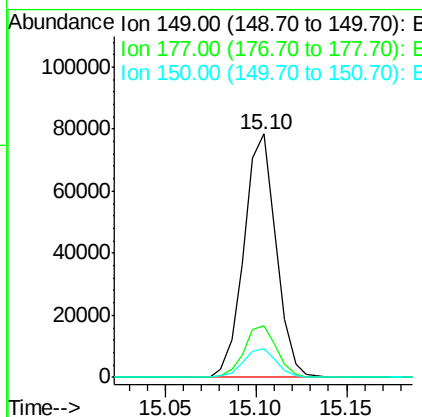
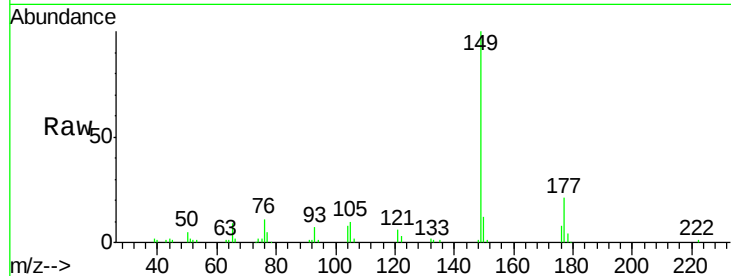




#59
Diethylphthalate
Concen: 4.506 ng
RT: 15.10 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

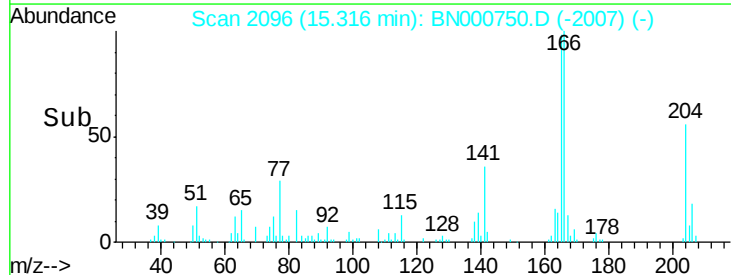
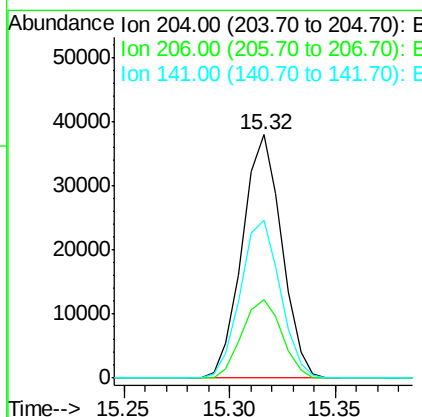
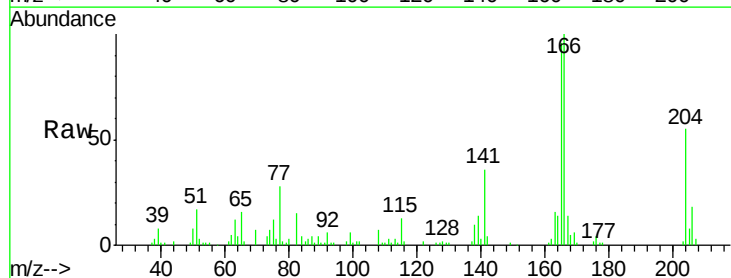
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

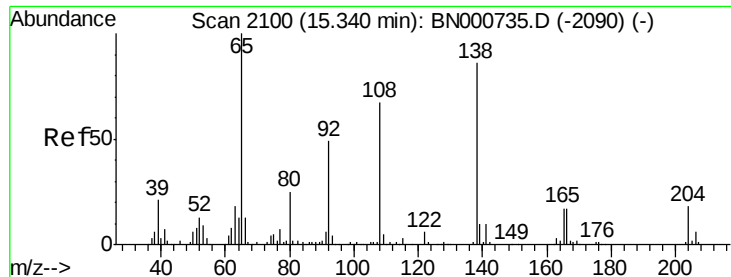
Tot Ion:149 Resp: 96418
Ion Ratio Lower Upper
149 100
177 21.4 18.5 27.7
150 11.9 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 5.226 ng
RT: 15.32 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:204 Resp: 49254
Ion Ratio Lower Upper
204 100
206 32.0 26.2 39.2
141 64.9 45.8 68.6





#61

4-Nitroaniline

Concen: 3.289 ng

RT: 15.33 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

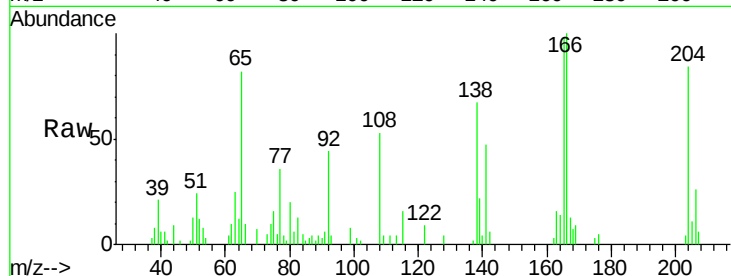
Tot Ion:138 Resp: 16839

Ion Ratio Lower Upper

138 100

92 65.3 40.1 80.1

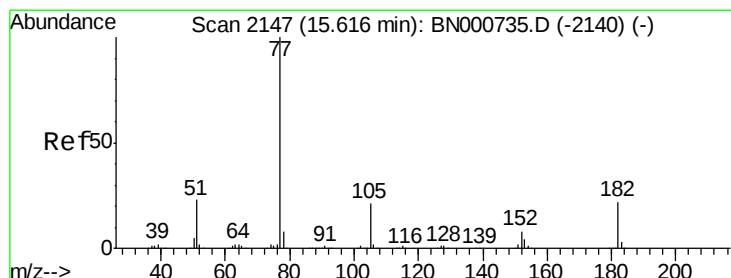
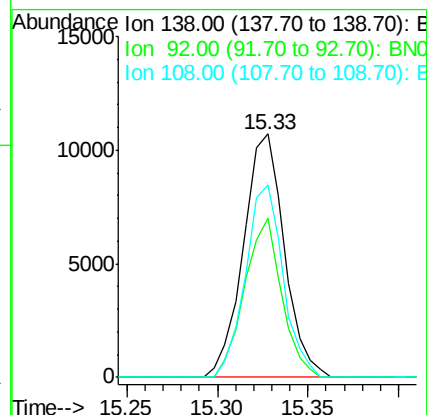
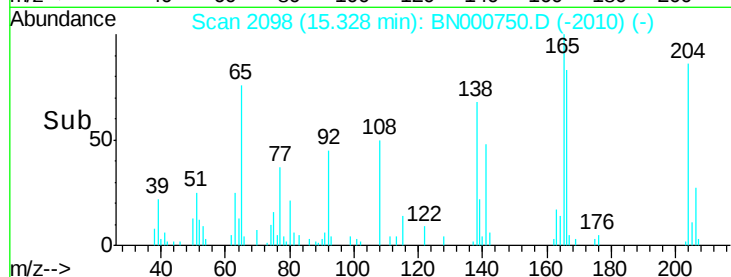
108 79.2 65.4 105.4



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: 4.542 ng

RT: 15.61 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Tgt Ion: 77 Resp: 104080

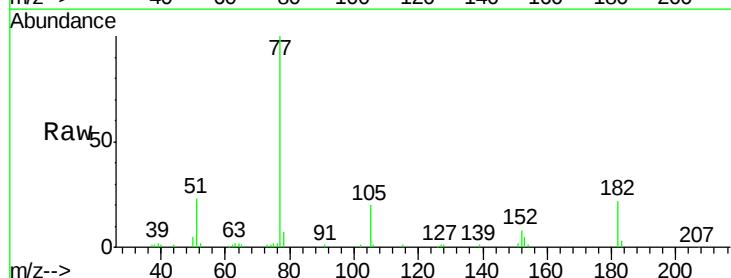
Ion Ratio Lower Upper

77 100

182 21.9 7.4 47.4

105 20.3 0.3 40.3

51 22.5 11.6 51.6

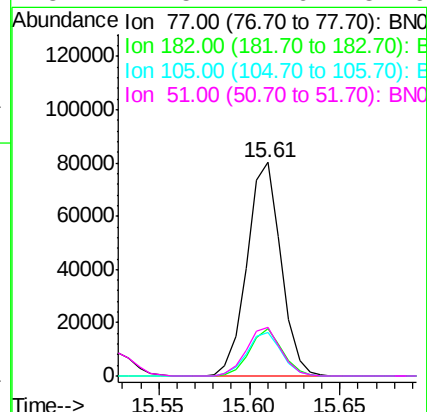
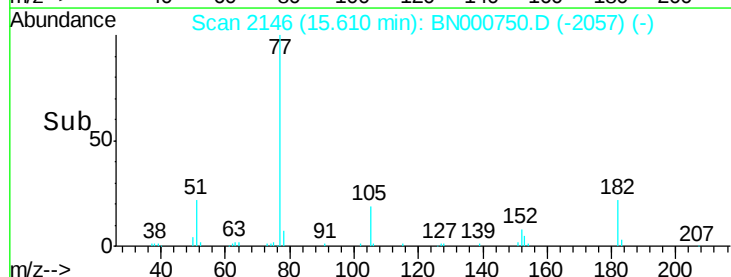


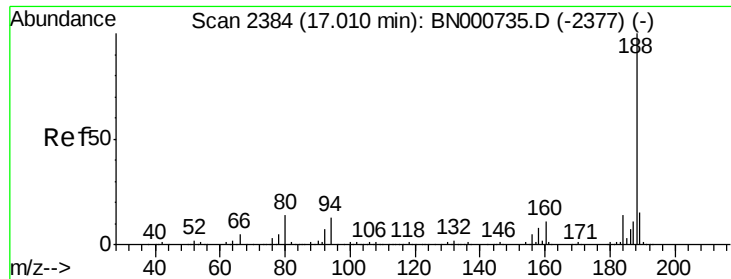
Abundance Ion 77.00 (76.70 to 77.70): BNC

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: 17.01 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

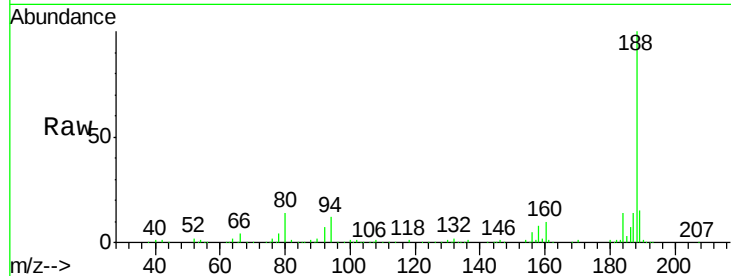
Tot Ion:188 Resp: 524348

Ion Ratio Lower Upper

188 100

94 12.5 6.9 10.3#

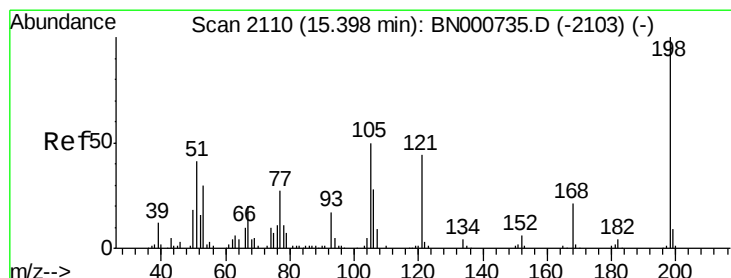
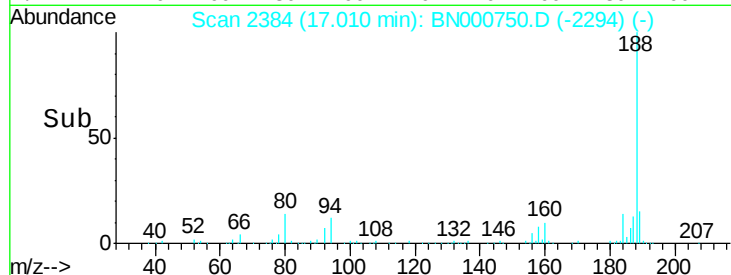
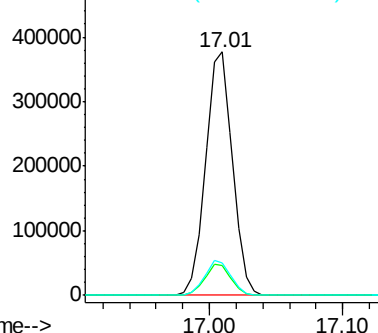
80 13.6 7.7 11.5#



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: 2.795 ng

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

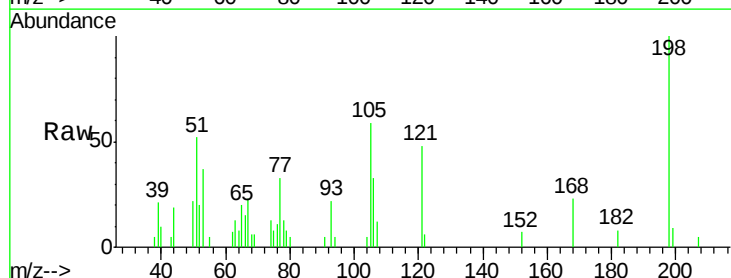
Tgt Ion:198 Resp: 9051

Ion Ratio Lower Upper

198 100

51 52.0 30.6 70.6

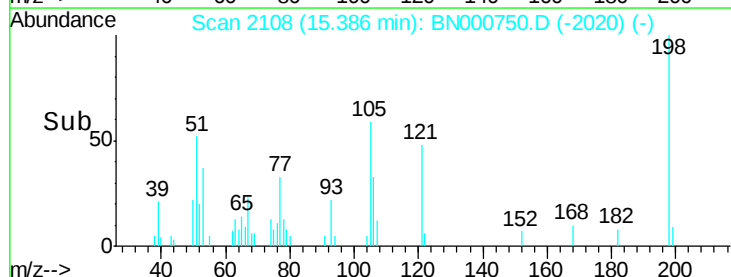
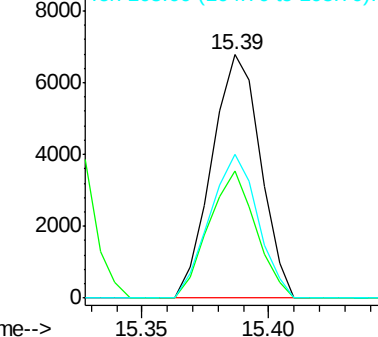
105 59.1 23.8 63.8

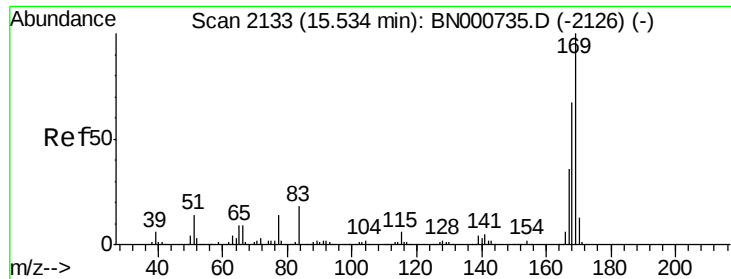


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

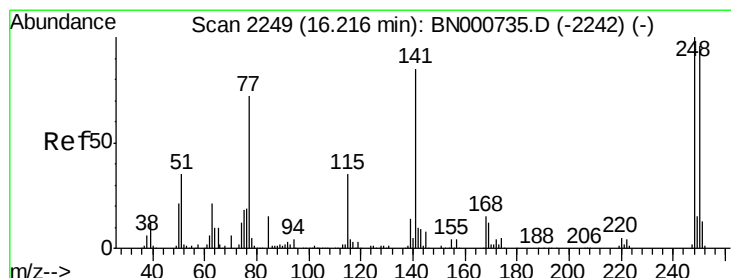
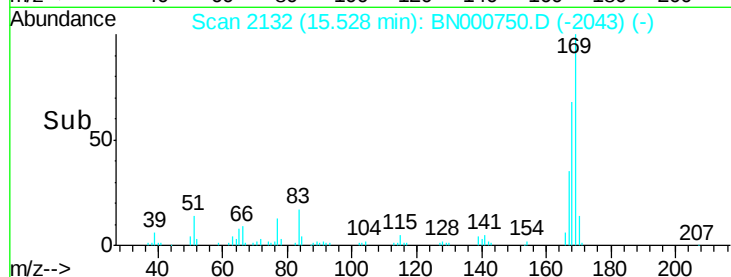
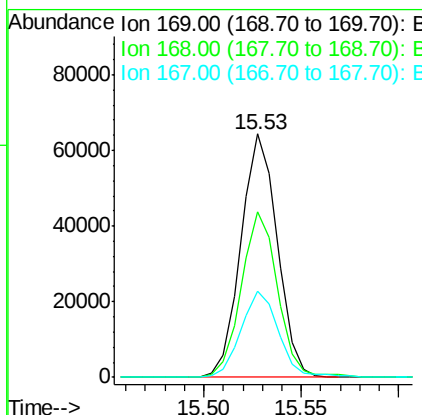
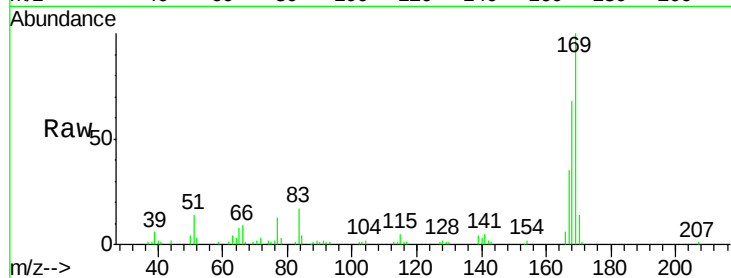




#65
 n-Nitrosodiphenylamine
 Concen: 4.720 ng
 RT: 15.53 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

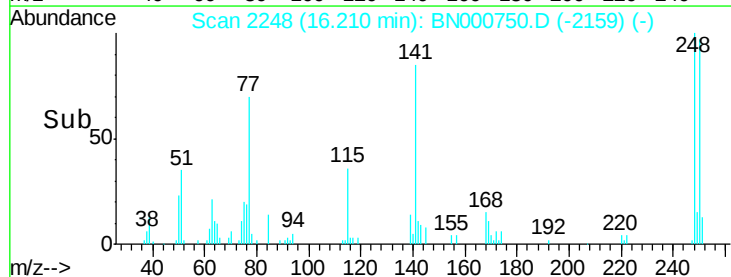
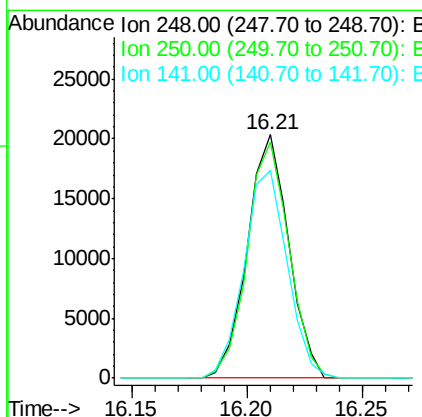
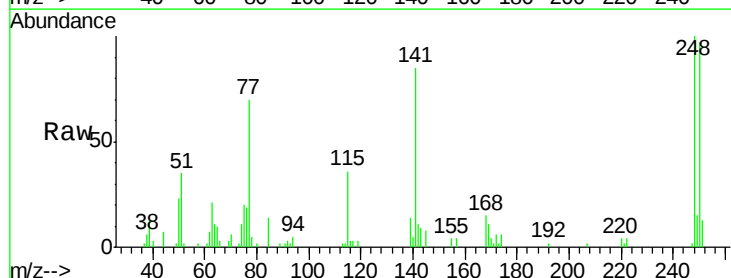
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

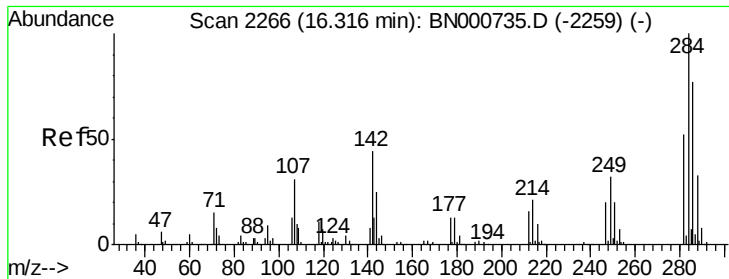
Tot Ion:169 Resp: 83092
 Ion Ratio Lower Upper
 169 100
 168 68.2 55.7 83.5
 167 35.2 30.1 45.1



#66
 4-Bromophenyl-phenylether
 Concen: 4.779 ng
 RT: 16.21 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:248 Resp: 25459
 Ion Ratio Lower Upper
 248 100
 250 97.0 77.1 115.7
 141 85.5 50.8 76.2#





#67

Hexachlorobenzene

Concen: 4.984 ng

RT: 16.31 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

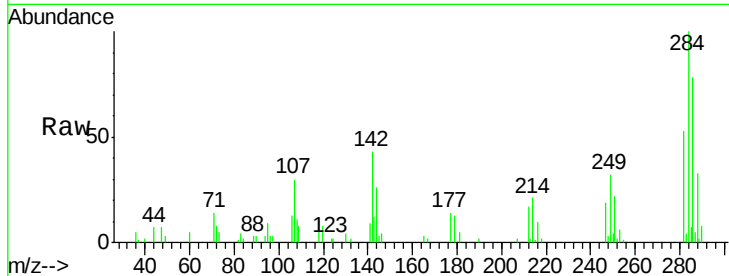
Tot Ion:284 Resp: 30740

Ion Ratio Lower Upper

284 100

142 43.0 26.8 40.2#

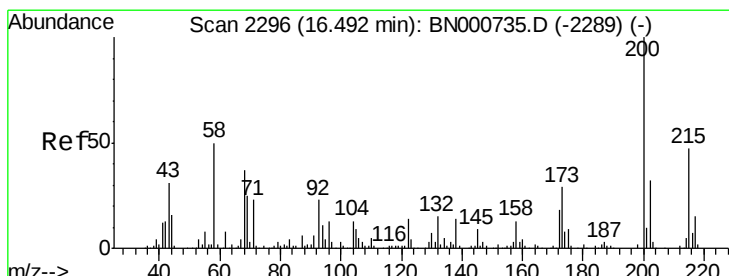
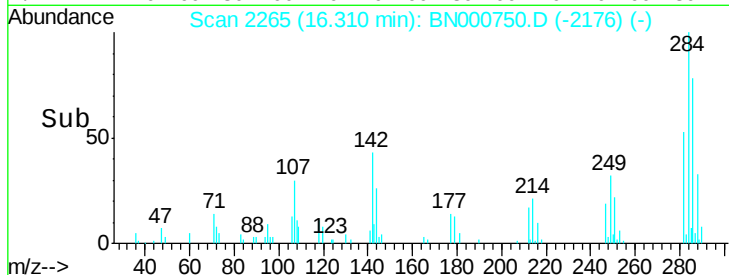
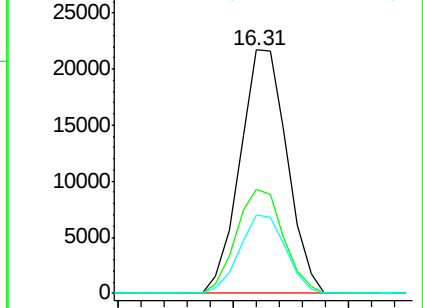
249 32.0 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 2.744 ng

RT: 16.49 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

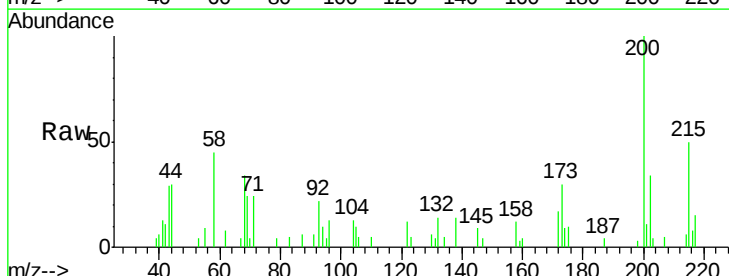
Tgt Ion:200 Resp: 13087

Ion Ratio Lower Upper

200 100

173 29.7 5.2 45.2

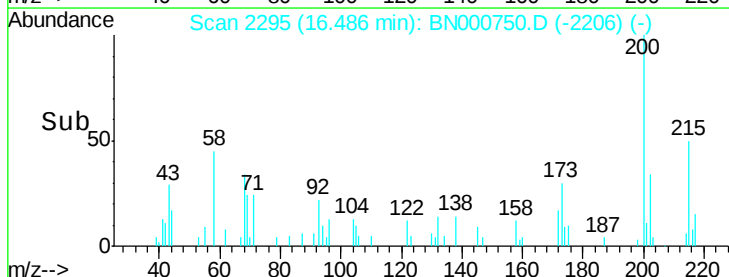
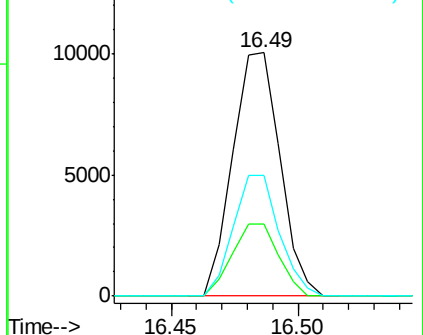
215 49.8 30.4 70.4

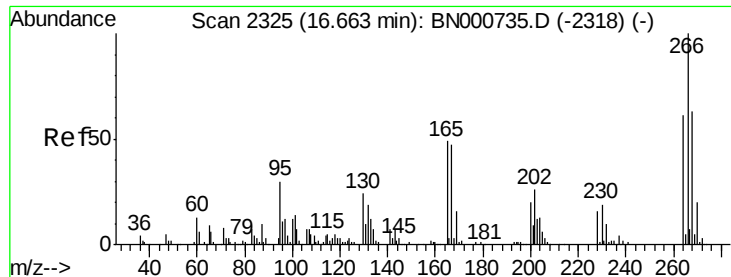


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

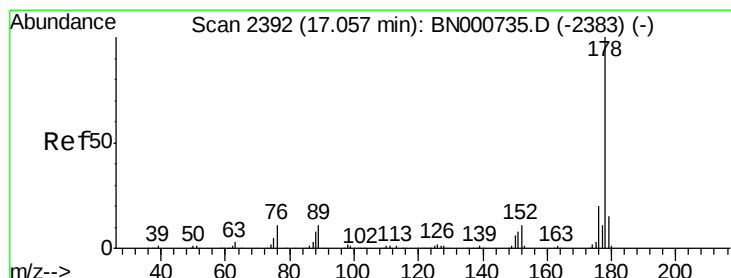
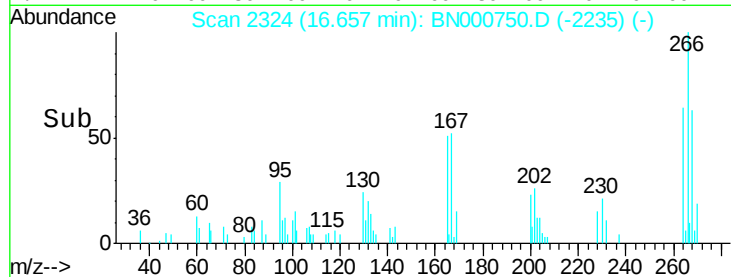
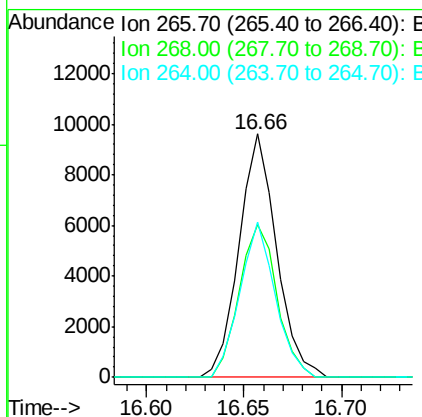
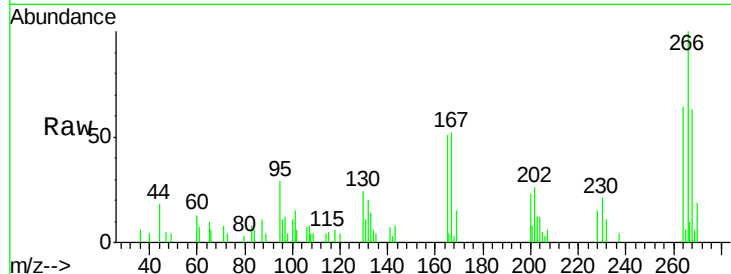




#69
 Pentachlorophenol
 Concen: 3.213 ng
 RT: 16.66 min Scan# 2324
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

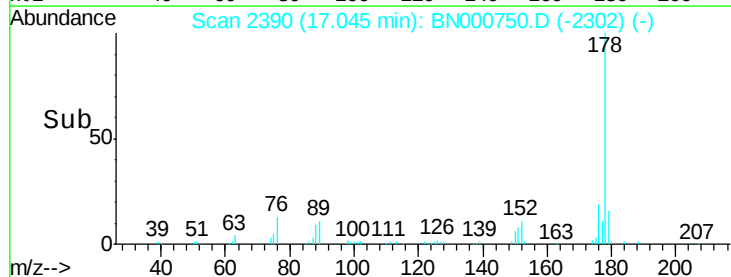
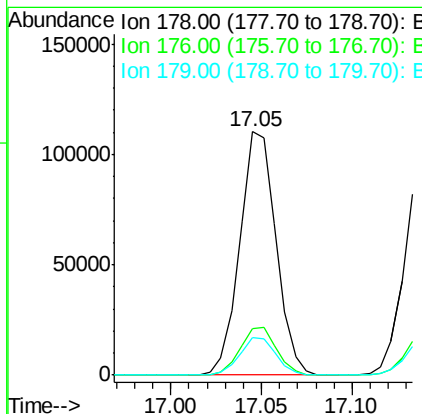
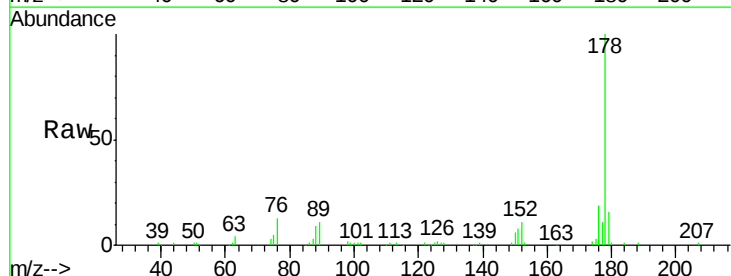
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

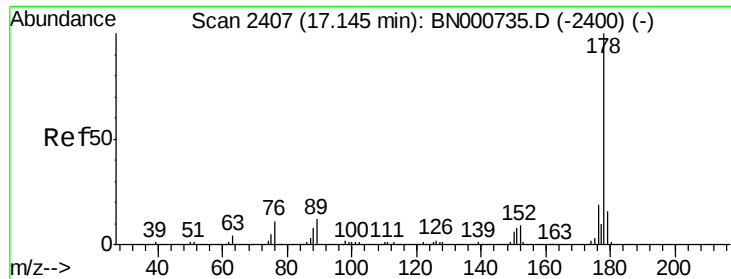
Tot Ion:266 Resp: 12805
 Ion Ratio Lower Upper
 266 100
 268 62.5 51.1 76.7
 264 64.0 49.6 74.4



#70
 Phenanthrene
 Concen: 5.040 ng
 RT: 17.05 min Scan# 2390
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:178 Resp: 153066
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.5 12.5 18.7

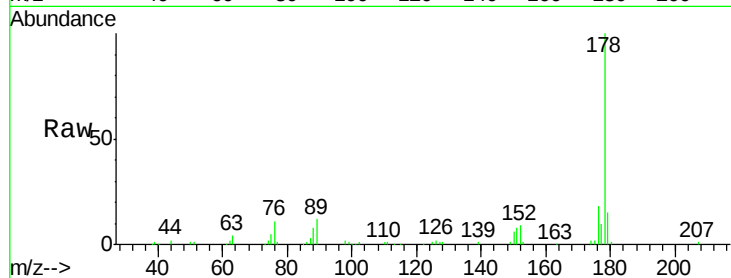




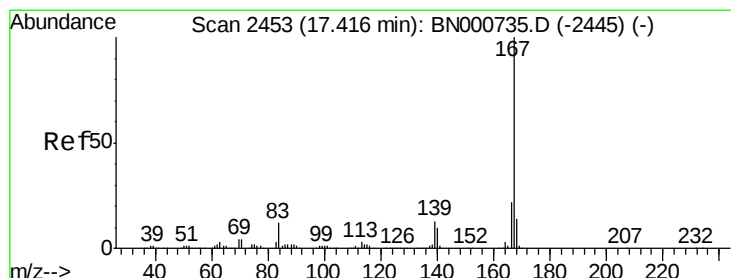
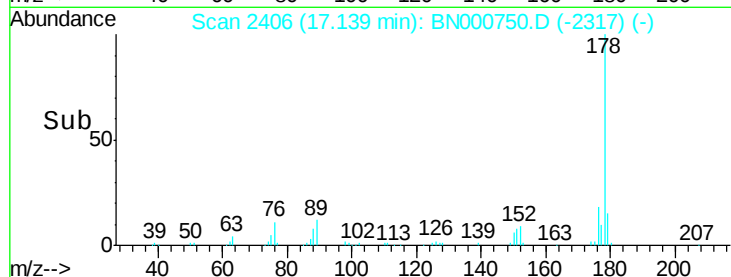
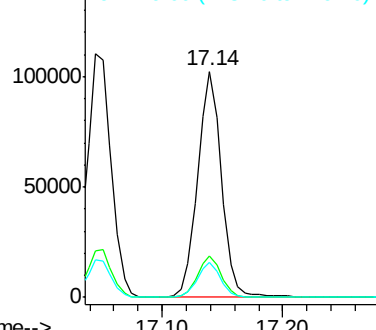
#71
 Anthracene
 Concen: 4.714 ng
 RT: 17.14 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:178 Resp: 140194
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.0 24.0
 179 15.4 12.5 18.7

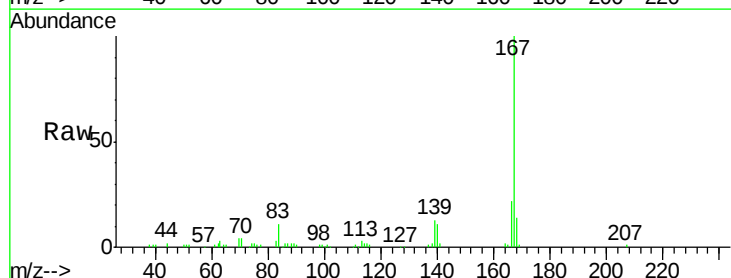


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

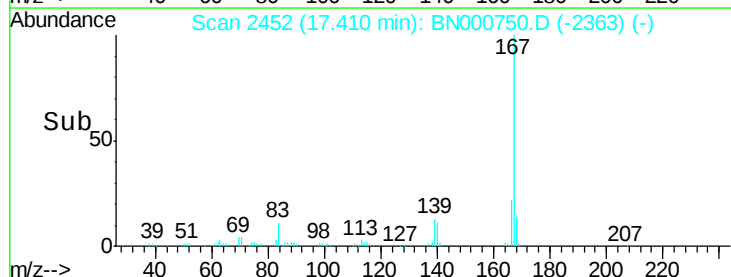
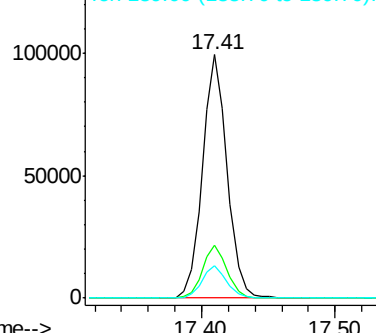


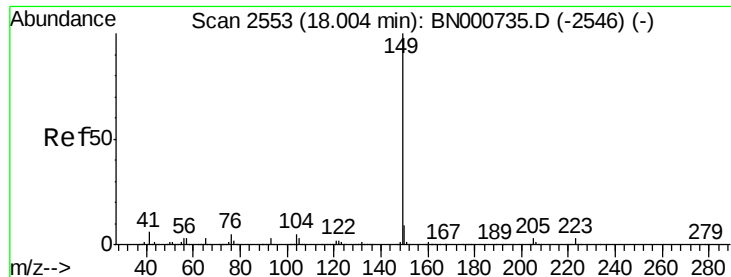
#72
 Carbazole
 Concen: 4.559 ng
 RT: 17.41 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:167 Resp: 127419
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.2 27.4
 139 13.5 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: 3.621 ng

RT: 18.00 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

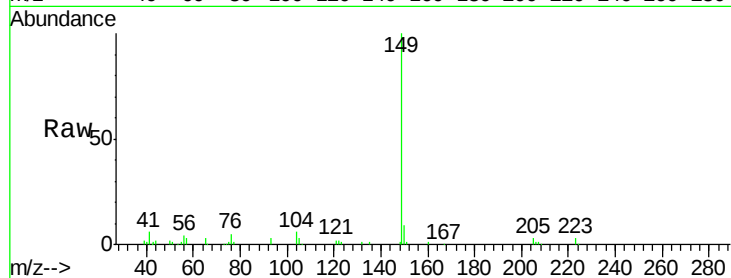
Tot Ion:149 Resp: 115308

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

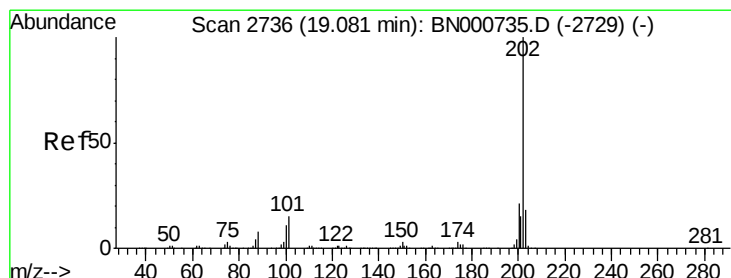
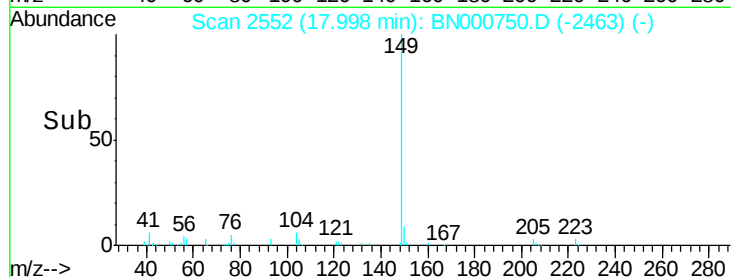
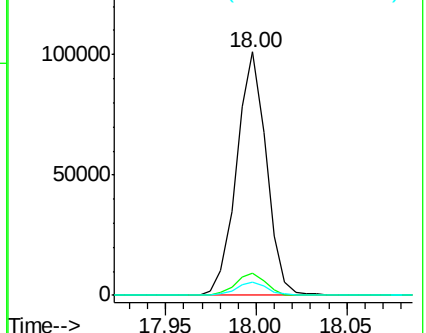
104 5.6 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 4.622 ng

RT: 19.07 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

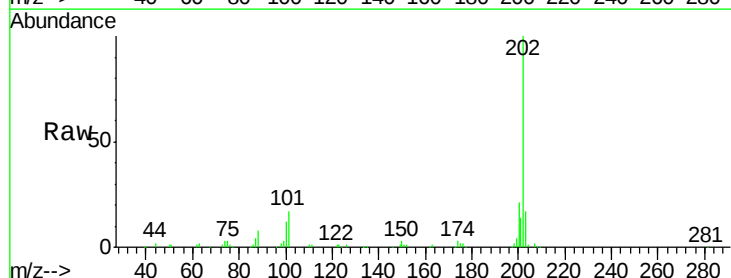
Tgt Ion:202 Resp: 141460

Ion Ratio Lower Upper

202 100

101 16.7 0.0 28.9

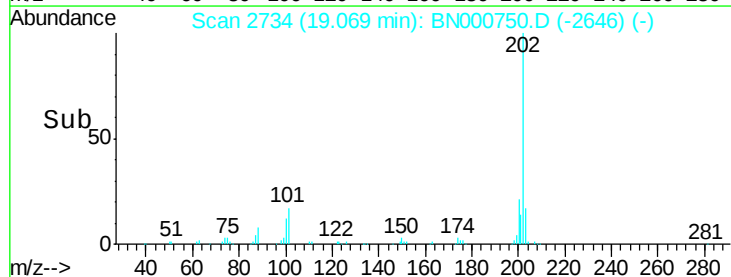
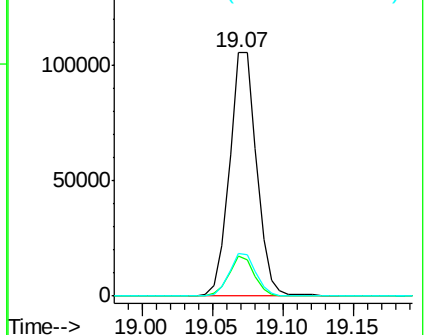
203 17.3 0.0 37.5

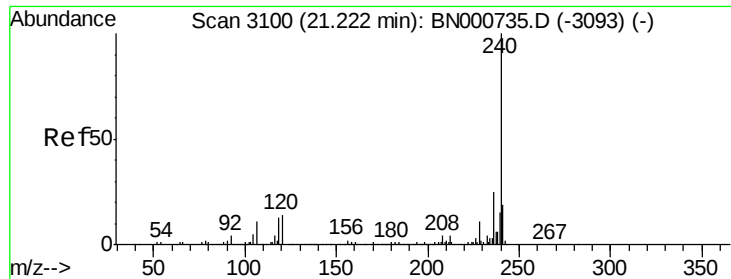


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.21 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

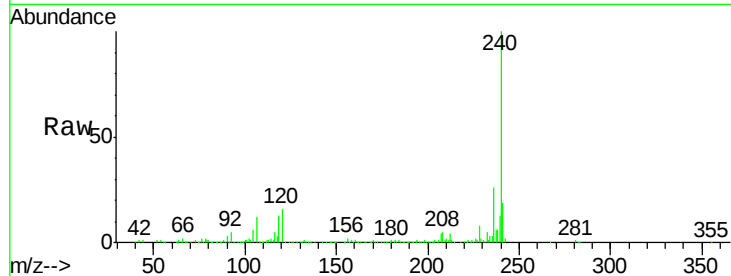
Tot Ion:240 Resp: 462412

Ion Ratio Lower Upper

240 100

120 15.5 6.8 10.2#

236 26.1 20.9 31.3



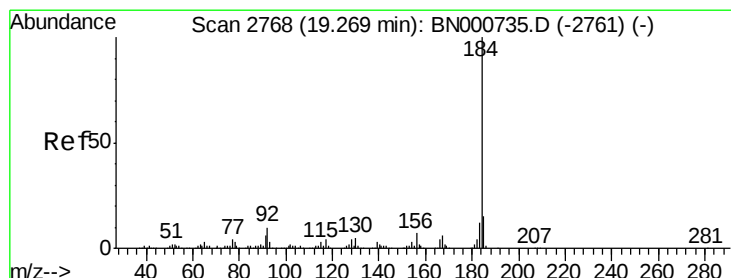
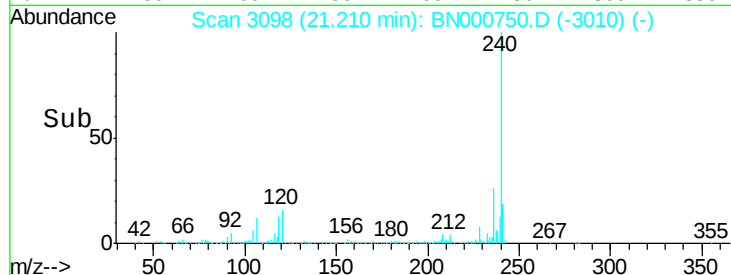
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.21

Time-->



#76

Benzidine

Concen: 1.802 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

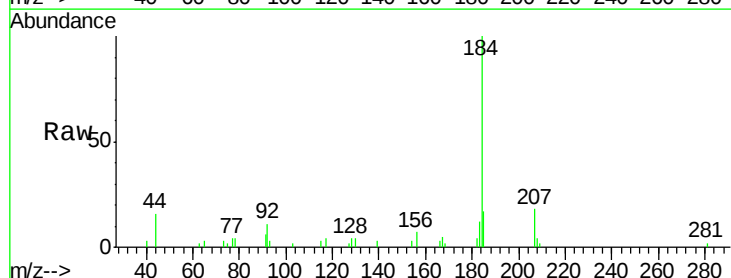
Tgt Ion:184 Resp: 22568

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

183 12.5 10.6 16.0



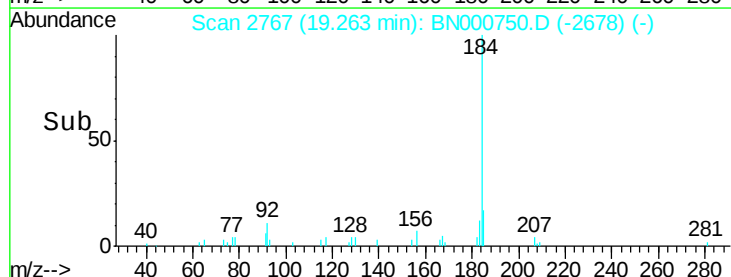
Abundance Ion 184.00 (183.70 to 184.70): E

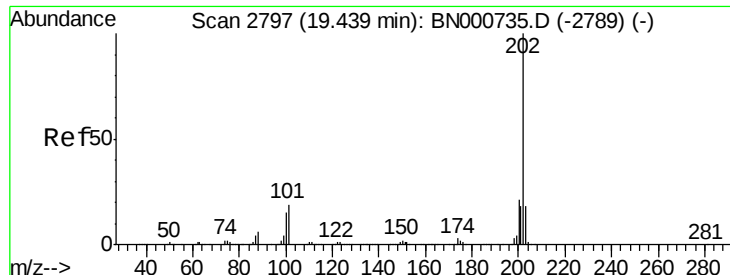
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

19.26

Time-->

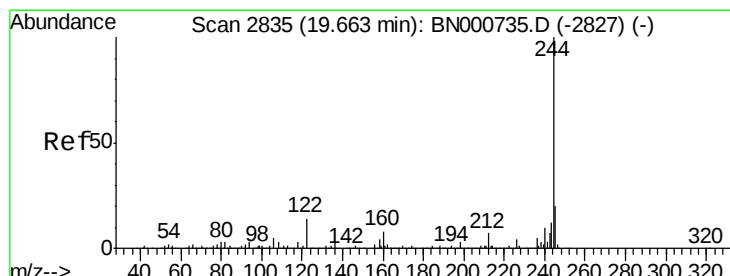
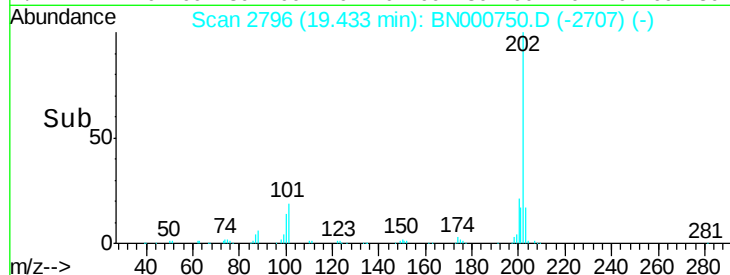
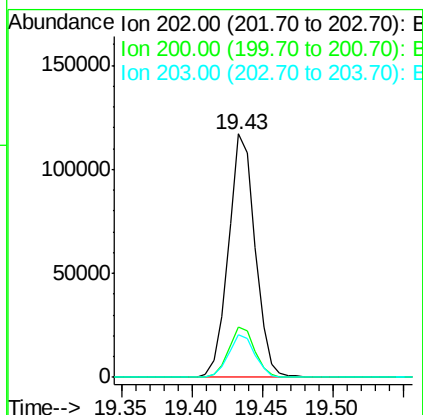
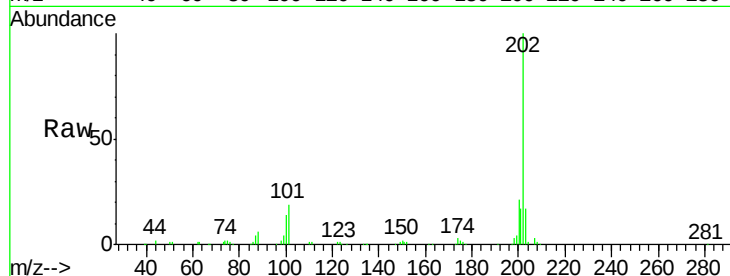




#77
Pvrene
Concen: 4.619 ng
RT: 19.43 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

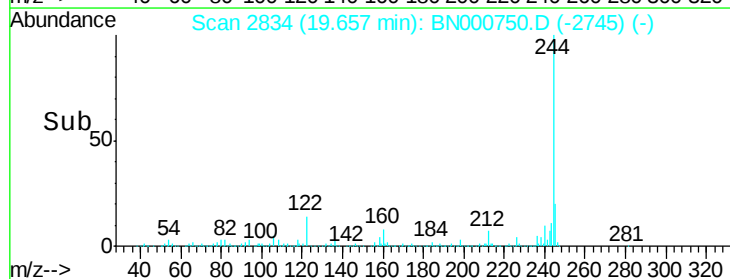
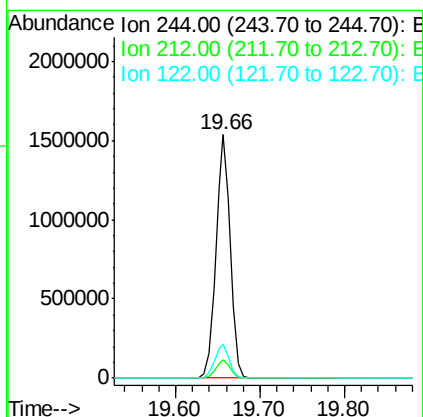
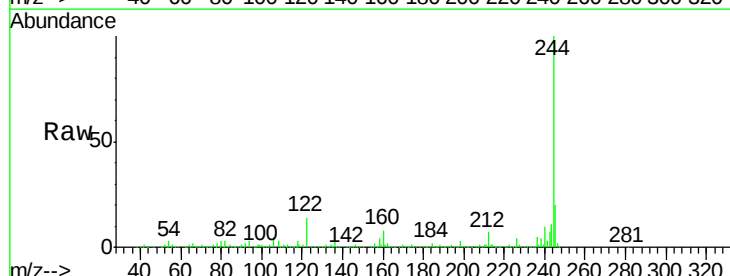
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

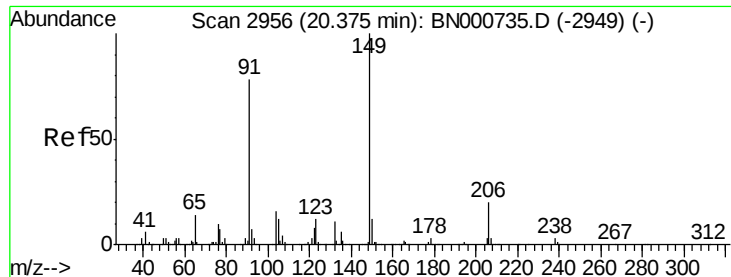
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.4	13.9	20.9



#78
Terphenyl-d14
Concen: 85.777 ng
RT: 19.66 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	14.1	7.0	10.4





#79

Butylbenzylphthalate

Concen: 2.684 ng

RT: 20.37 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

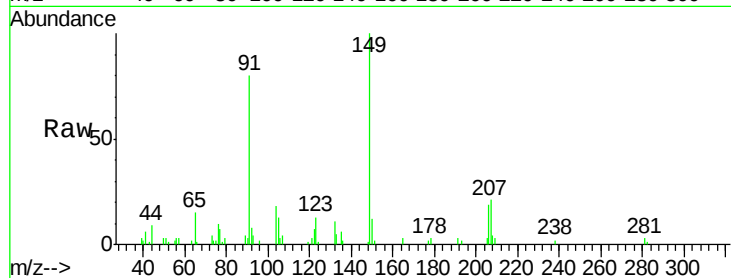
Tot Ion:149 Resp: 37664

Ion Ratio Lower Upper

149 100

91 80.1 62.2 93.2

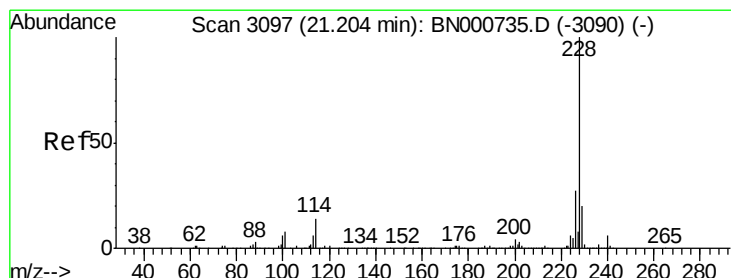
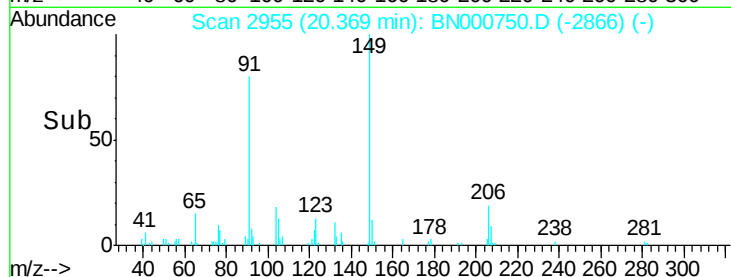
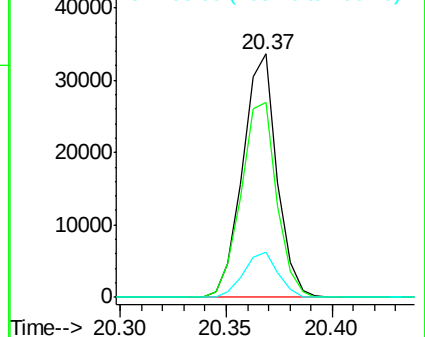
206 18.8 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNO

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 4.865 ng

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

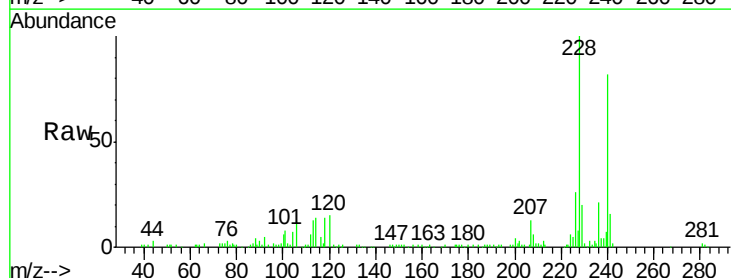
Tgt Ion:228 Resp: 141766

Ion Ratio Lower Upper

228 100

226 26.4 22.7 34.1

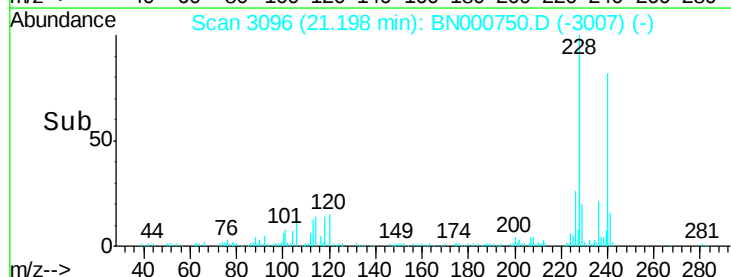
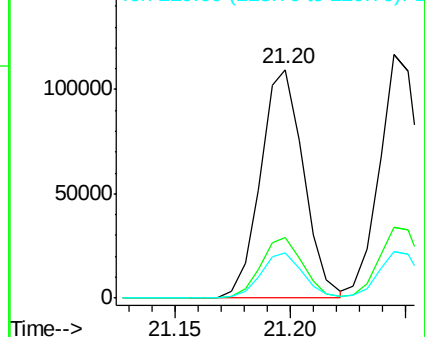
229 19.6 16.2 24.2

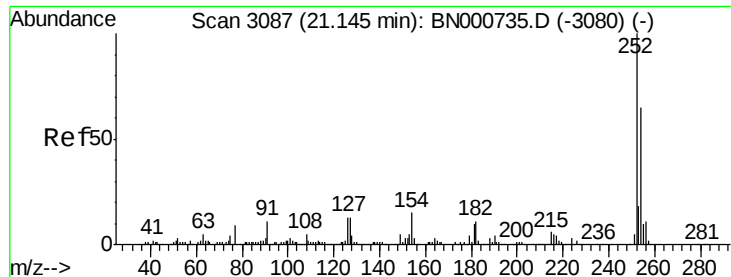


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

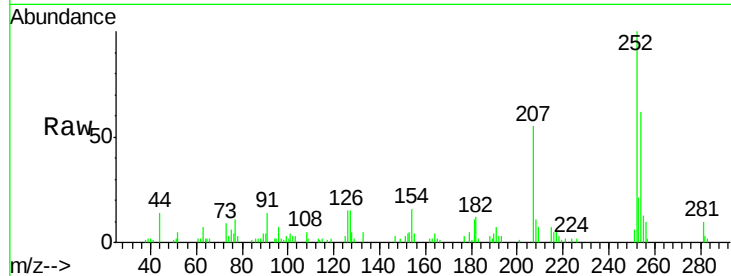




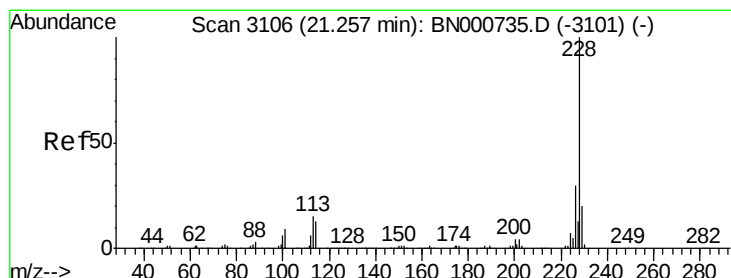
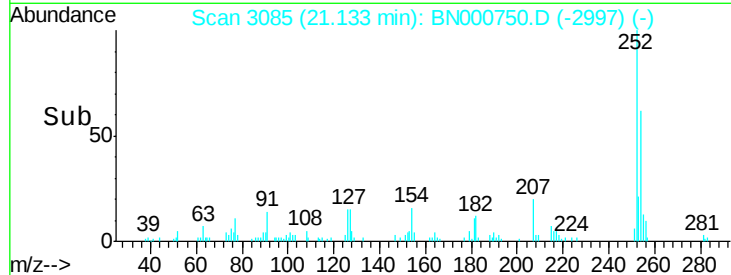
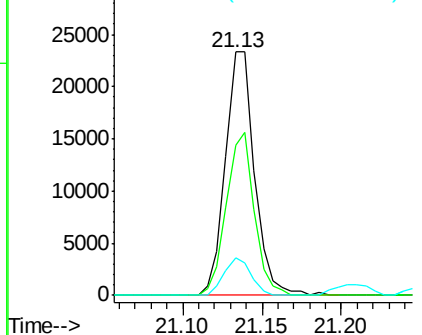
#81
 3,3'-Dichlorobenzidine
 Concen: 3.258 ng
 RT: 21.13 min Scan# 3085
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tot Ion:252 Resp: 29883
 Ion Ratio Lower Upper
 252 100
 254 61.5 50.8 76.2
 126 15.2 7.4 11.2#

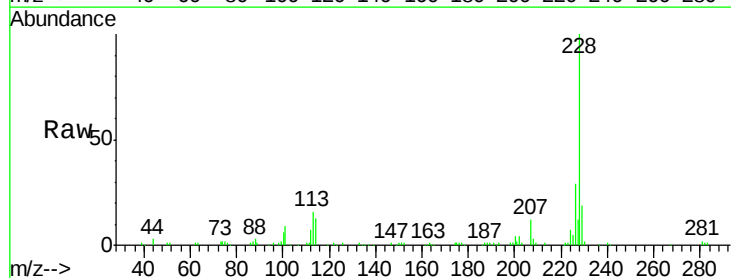


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

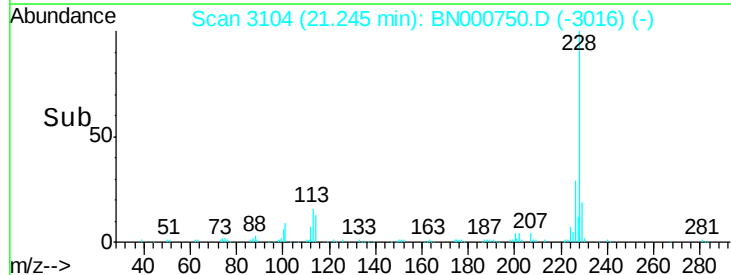
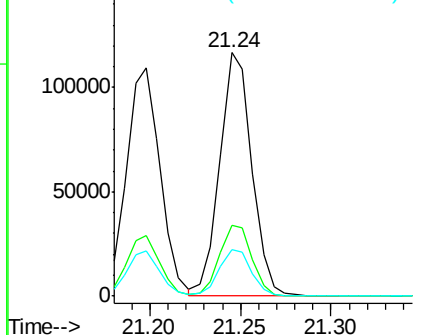


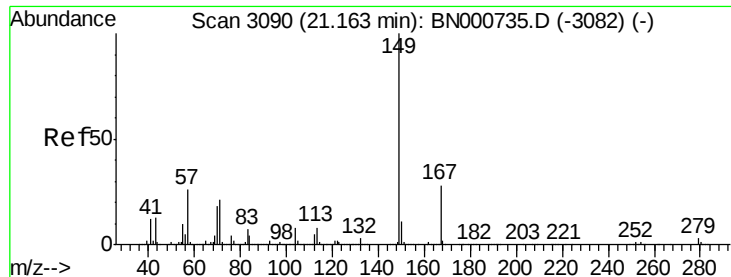
#82
 Chrysene
 Concen: 5.102 ng
 RT: 21.24 min Scan# 3104
 Delta R.T. -0.01 min
 Lab File: BN000750.D
 Acq: 18 Apr 2018 21:24

Tgt Ion:228 Resp: 143929
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.9 37.3
 229 19.3 15.0 22.4



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.908 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

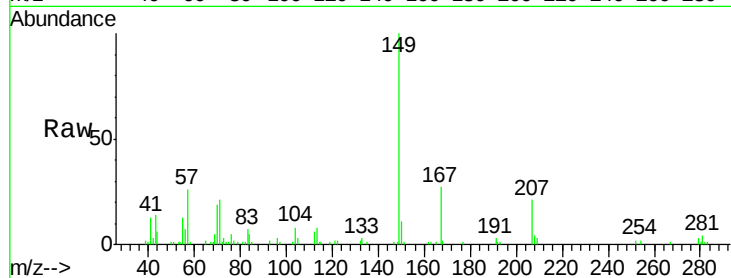
Tot Ion:149 Resp: 62333

Ion Ratio Lower Upper

149 100

167 27.1 24.3 36.5

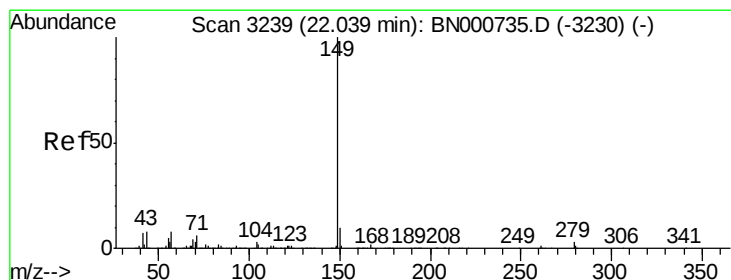
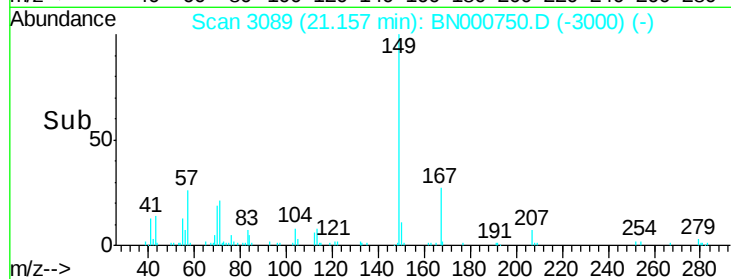
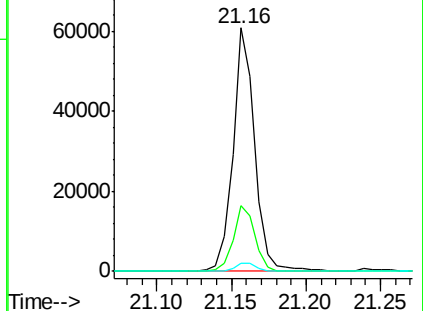
279 3.3 4.0 6.0#



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: 2.529 ng

RT: 22.03 min Scan# 3238

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

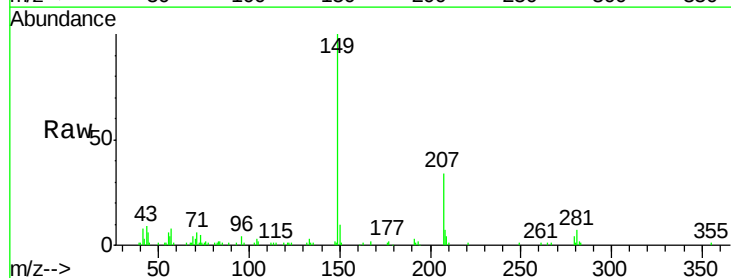
Tgt Ion:149 Resp: 77558

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

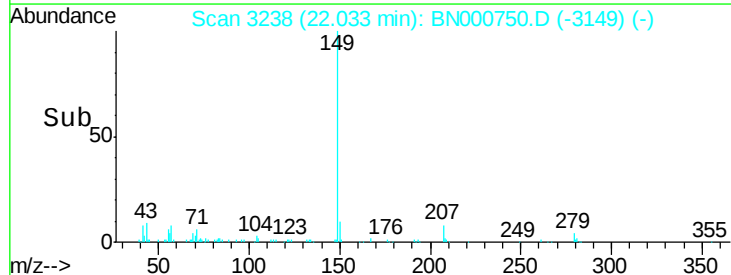
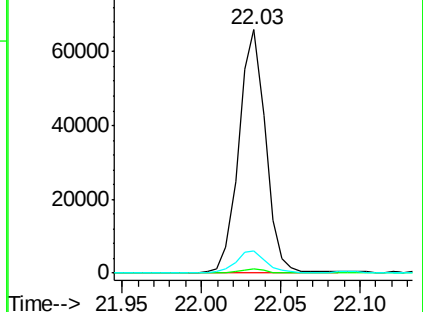
43 10.0 8.9 13.3

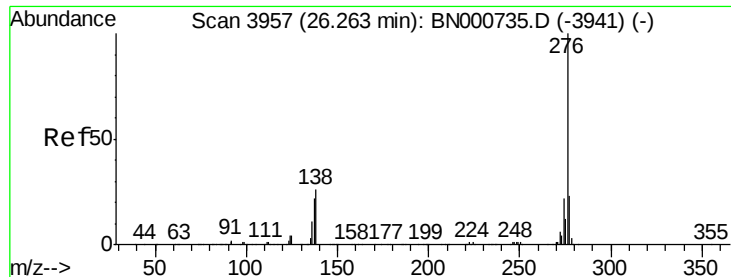


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC

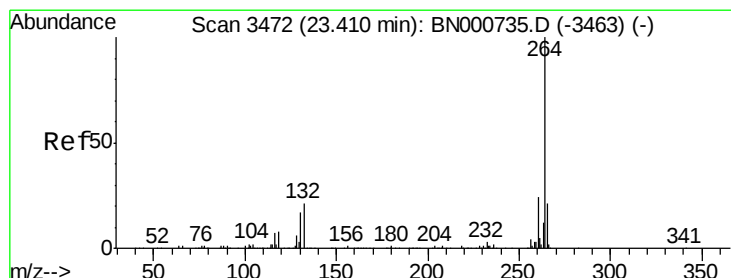
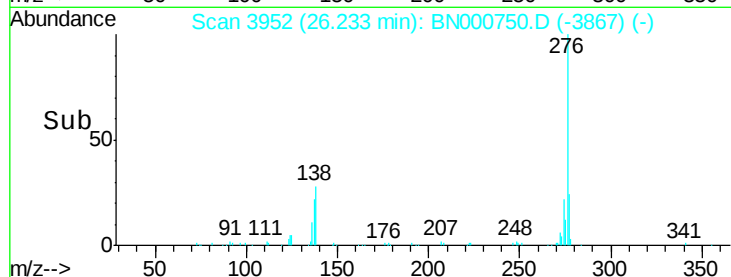
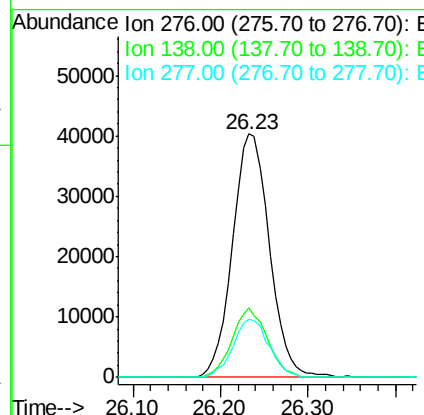
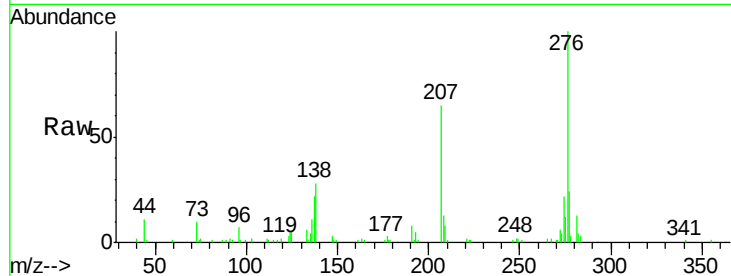




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.776 ng
RT: 26.23 min Scan# 3952
Delta R.T. -0.03 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

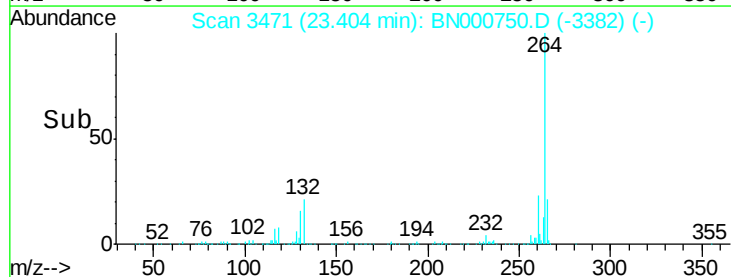
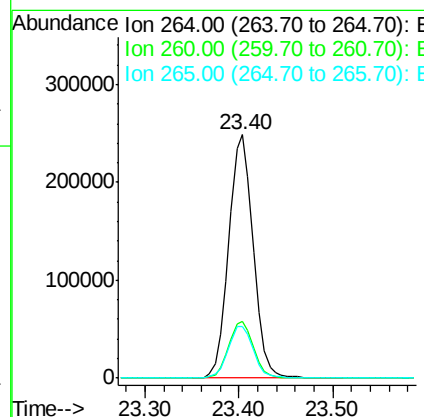
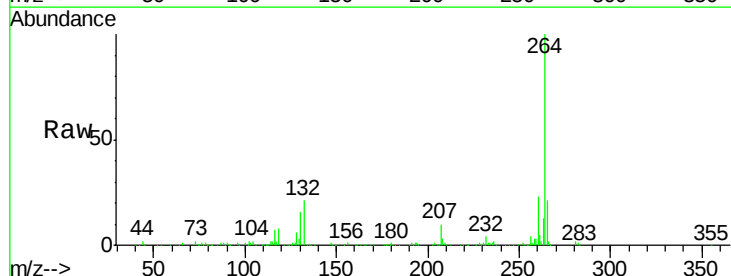
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

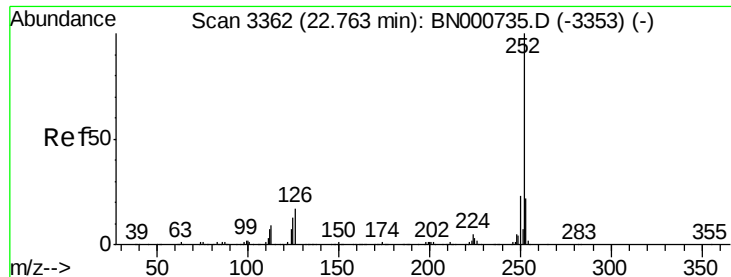
Tot Ion:276 Resp: 115887
Ion Ratio Lower Upper
276 100
138 27.0 16.0 24.0#
277 23.0 20.0 30.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:264 Resp: 449725
Ion Ratio Lower Upper
264 100
260 23.2 17.4 26.0
265 21.3 17.7 26.5

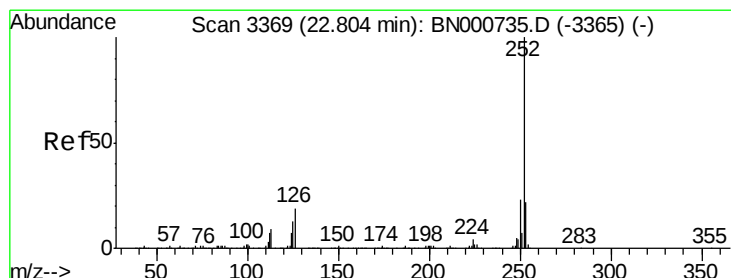
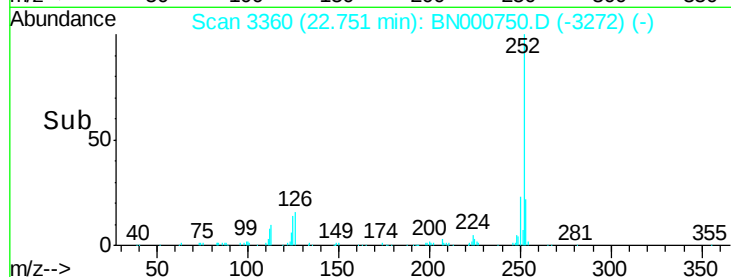
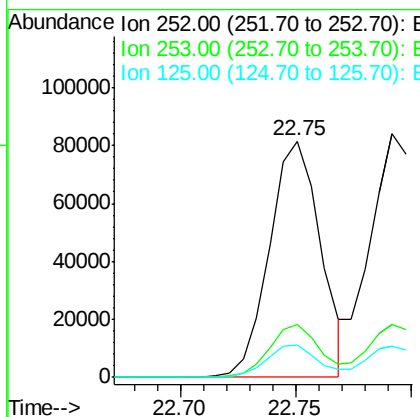
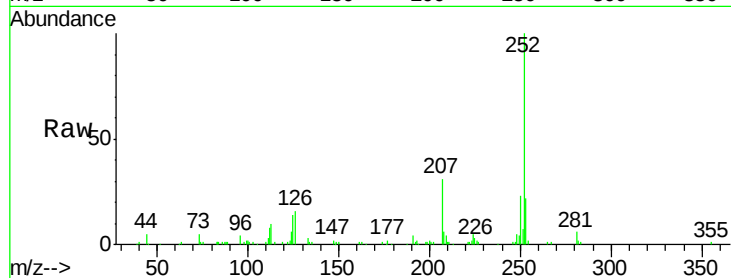




#87
Benzo(b)fluoranthene
Concen: 4.572 ng
RT: 22.75 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

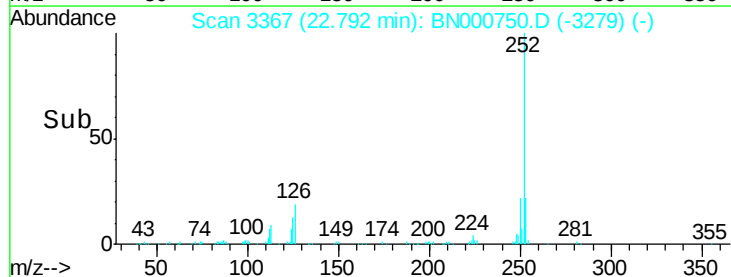
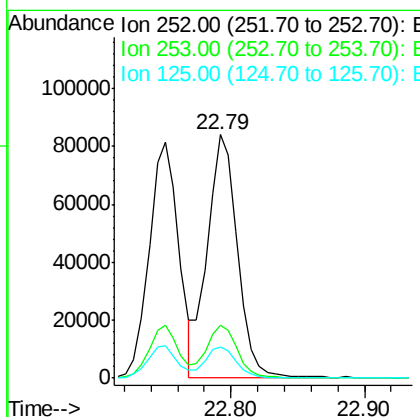
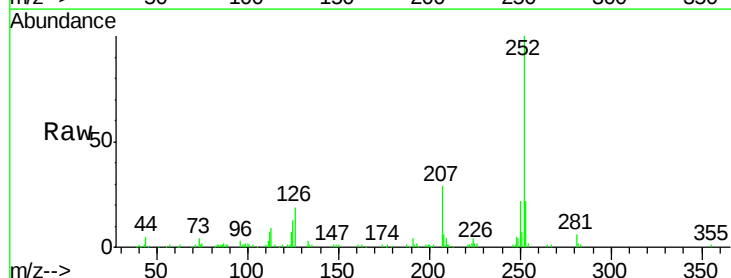
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

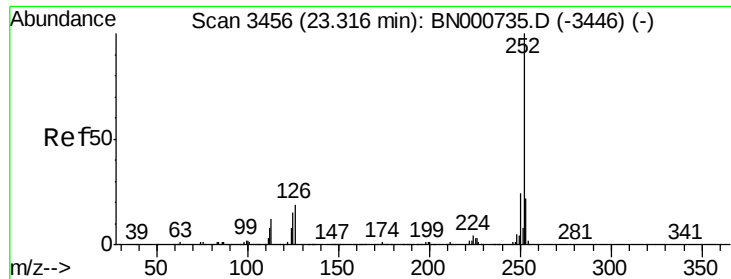
Tot Ion:252 Resp: 124925
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 13.6 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 4.866 ng
RT: 22.79 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BN000750.D
Acq: 18 Apr 2018 21:24

Tgt Ion:252 Resp: 132427
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 12.6 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 4.546 ng

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

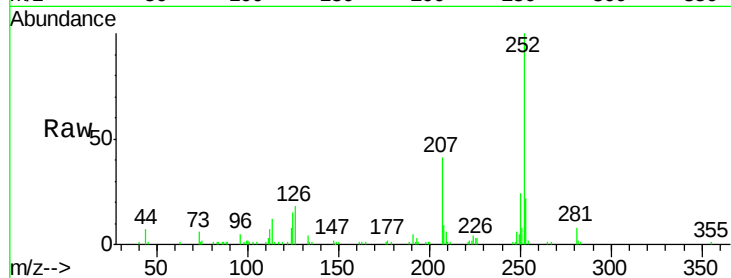
Tot Ion:252 Resp: 113358

Ion Ratio Lower Upper

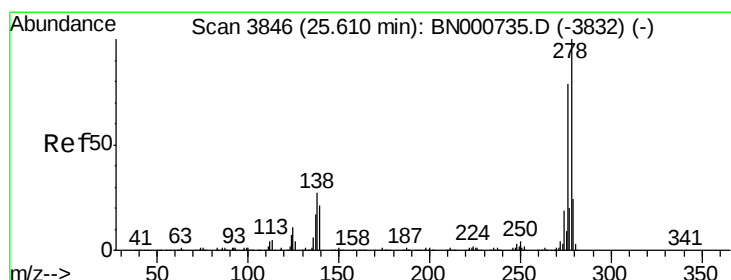
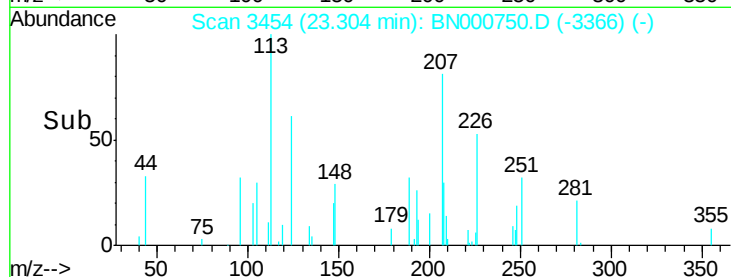
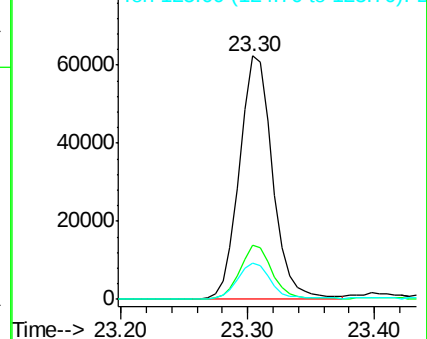
252 100

253 22.2 18.3 27.5

125 15.0 7.3 10.9#



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



#90

Dibenzo(a,h)anthracene

Concen: 4.835 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

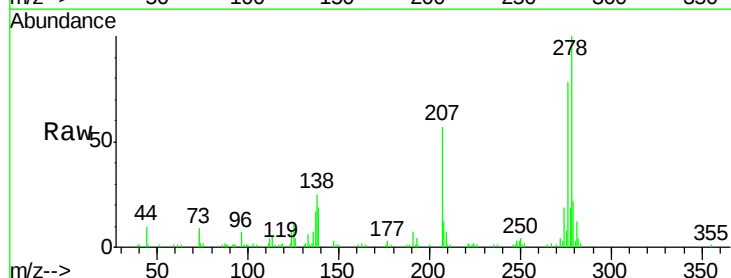
Tgt Ion:278 Resp: 118802

Ion Ratio Lower Upper

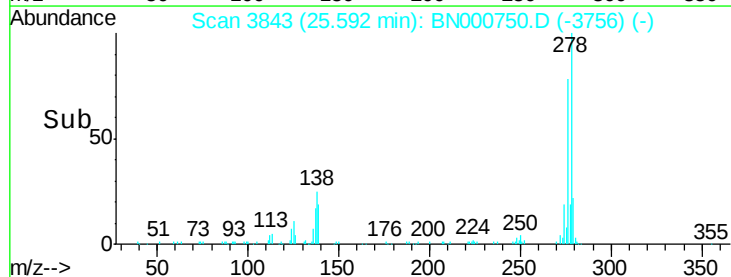
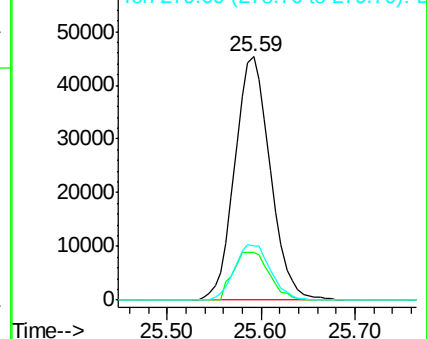
278 100

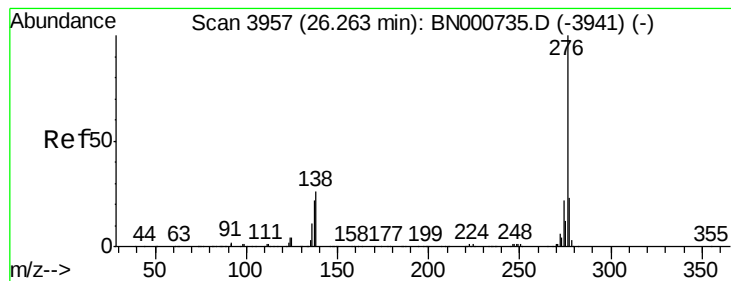
139 19.4 9.8 14.6#

279 22.3 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.831 ng

RT: 26.23 min Scan# 3952

Delta R.T. -0.03 min

Lab File: BN000750.D

Acq: 18 Apr 2018 21:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

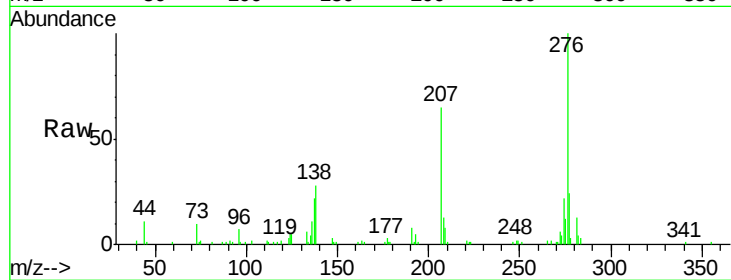
Tot Ion: 276 Resp: 115887

Ion Ratio Lower Upper

276 100

277 23.8 18.3 27.5

138 28.3 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

