

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000748.D
 Acq On : 18 Apr 2018 20:14
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 1PPM MDL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 19 06:50:59 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	114108	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	473929	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	241205	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	482203	20.00	ng	0.00
75) Chrysene-d12	21.22	240	443428	20.00	ng	0.00
86) Perylene-d12	23.40	264	443513	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1050846	136.80	ng	0.00
7) Phenol-d6	6.81	99	1368747	130.76	ng	0.00
23) Nitrobenzene-d5	8.78	82	742405	81.66	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	348774	143.63	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1488842	85.21	ng	0.00
78) Terphenyl-d14	19.66	244	1695109	82.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	4339	1.232	ng	# 76
3) Pyridine	3.66	79	5846	0.630	ng	# 82
4) n-Nitrosodimethylamine	3.56	42	1329	0.521	ng	# 86
6) Aniline	6.97	93	11481	0.827	ng	96
8) 2-Chlorophenol	7.20	128	8185	1.030	ng	97
9) Benzaldehyde	6.79	77	5594	Below Cal		90
10) Phenol	6.83	94	10914	0.989	ng	# 79
11) bis(2-Chloroethyl)ether	7.07	93	8379	0.928	ng	91
12) 1,3-Dichlorobenzene	7.52	146	9454	1.025	ng	96
13) 1,4-Dichlorobenzene	7.67	146	9390	1.002	ng	95
14) 1,2-Dichlorobenzene	7.98	146	8999	1.006	ng	95
15) Benzyl Alcohol	7.87	79	5151	0.715	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.16	45	9227	0.962	ng	76
17) 2-Methylphenol	8.07	107	6148	0.829	ng	96
18) Hexachloroethane	8.69	117	3113	0.902	ng	# 78
19) n-Nitroso-di-n-propylamine	8.43	70	5046	0.775	ng	# 78
20) 3+4-Methylphenols	8.39	107	7776	0.763	ng	97
22) Acetophenone	8.44	105	11621	0.856	ng	# 91
24) Nitrobenzene	8.82	77	10166	1.043	ng	# 94
25) Isophorone	9.33	82	11834	0.718	ng	98
26) 2-Nitrophenol	9.52	139	2482	0.621	ng	99
27) 2,4-Dimethylphenol	9.59	122	4644	0.712	ng	89
28) bis(2-Chloroethoxy)methane	9.82	93	9328	0.869	ng	98
29) 2,4-Dichlorophenol	10.05	162	4405	0.686	ng	94
30) 1,2,4-Trichlorobenzene	10.26	180	7809	1.009	ng	94
31) Naphthalene	10.45	128	26129	1.025	ng	99
32) Benzoic acid	9.65	122	572	4.679	ng	# 78
33) 4-Chloroaniline	10.56	127	7805	0.750	ng	# 94
34) Hexachlorobutadiene	10.74	225	3988	0.949	ng	96
35) Caprolactam	11.31	113	170	0.077	ng	# 74
36) 4-Chloro-3-methylphenol	11.68	107	4372	0.577	ng	98
37) 2-Methylnaphthalene	12.06	142	15837	0.949	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.43	216	7707	1.030	ng	# 98
40) Hexachlorocyclopentadiene	12.42	237	3396	0.774	ng	81

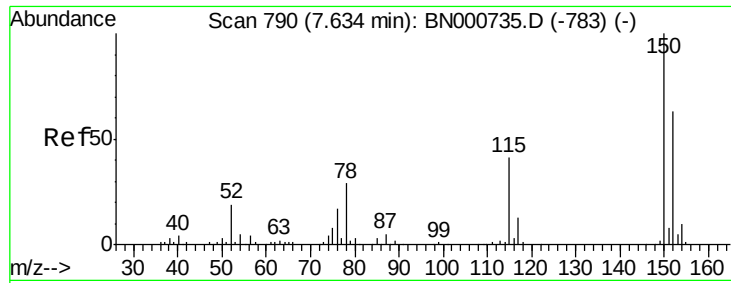
Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000748.D
 Acq On : 18 Apr 2018 20:14
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 1PPM MDL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Apr 19 06:50:59 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)
42) 2,4,6-Trichlorophenol	12.68	196	2748	0.606	ng	97
43) 2,4,5-Trichlorophenol	12.75	196	2890	0.551	ng	# 94
45) 1,1'-Biphenyl	13.09	154	25614	1.186	ng	97
46) 2-Chloronaphthalene	13.13	162	16912	1.045	ng	99
47) 2-Nitroaniline	13.33	65	2196	0.468	ng	94
48) Acenaphthylene	13.98	152	20014	0.780	ng	97
49) Dimethylphthalate	13.73	163	16016	0.831	ng	98
50) 2,6-Dinitrotoluene	13.83	165	1770	0.434	ng	# 86
51) Acenaphthene	14.32	154	15530	0.993	ng	99
52) 3-Nitroaniline	14.16	138	1974	0.425	ng	# 89
53) 2,4-Dinitrophenol	14.37	184	222	5.791	ng	# 17
54) Dibenzofuran	14.66	168	23327	1.025	ng	96
55) 4-Nitrophenol	14.47	139	730	0.212	ng	90
56) 2,4-Dinitrotoluene	14.63	165	2292	0.429	ng	# 92
57) Fluorene	15.32	166	16467	0.915	ng	97
58) 2,3,4,6-Tetrachlorophenol	14.89	232	2100	0.521	ng	# 86
59) Diethylphthalate	15.10	149	14036	0.735	ng	98
60) 4-Chlorophenyl-phenylether	15.32	204	8278	0.984	ng	92
61) 4-Nitroaniline	15.33	138	1866	0.408	ng	89
62) Azobenzene	15.61	77	14124	0.690	ng	92
64) 4,6-Dinitro-2-methylphenol	15.39	198	719	0.241	ng	86
65) n-Nitrosodiphenylamine	15.53	169	12311	0.760	ng	95
66) 4-Bromophenyl-phenylether	16.21	248	4363	0.891	ng	# 87
67) Hexachlorobenzene	16.31	284	5533	0.975	ng	90
68) Atrazine	16.48	200	1749	0.399	ng	80
69) Pentachlorophenol	16.66	266	1517	0.414	ng	99
70) Phenanthrene	17.05	178	28870	1.034	ng	98
71) Anthracene	17.14	178	22863	0.836	ng	95
72) Carbazole	17.41	167	19194	0.747	ng	97
73) Di-n-butylphthalate	18.00	149	15538	0.531	ng	# 97
74) Fluoranthene	19.07	202	23063	0.819	ng	93
76) Benzidine	19.26	184	3094	0.258	ng	95
77) Pyrene	19.44	202	25224	0.790	ng	99
79) Butylbenzylphthalate	20.37	149	5114	0.380	ng	98
80) Benzo(a)anthracene	21.20	228	24567	0.879	ng	95
81) 3,3'-Dichlorobenzidine	21.14	252	4215	0.479	ng	# 98
82) Chrysene	21.25	228	27169	1.004	ng	97
83) Bis(2-ethylhexyl)phthalate	21.16	149	6718	0.327	ng	# 94
84) Di-n-octyl phthalate	22.03	149	10506	0.357	ng	# 96
85) Indeno(1,2,3-cd)pyrene	26.23	276	19973	0.858	ng	# 90
87) Benzo(b)fluoranthene	22.75	252	22409	0.832	ng	# 92
88) Benzo(k)fluoranthene	22.79	252	21904	0.816	ng	# 93
89) Benzo(a)pyrene	23.31	252	18628	0.758	ng	# 96
90) Dibenzo(a,h)anthracene	25.59	278	20742	0.856	ng	# 90
91) Benzo(g,h,i)perylene	26.23	276	19973	0.844	ng	# 90

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

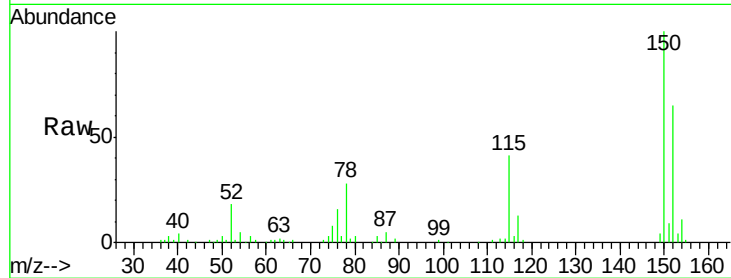


#1

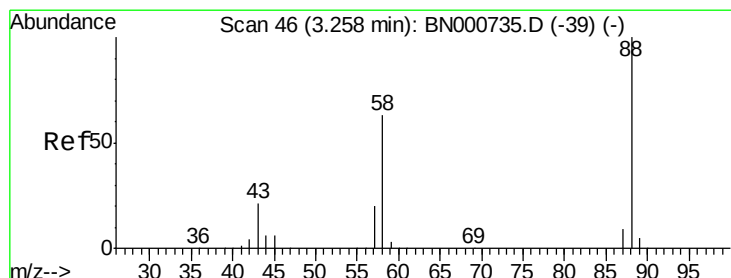
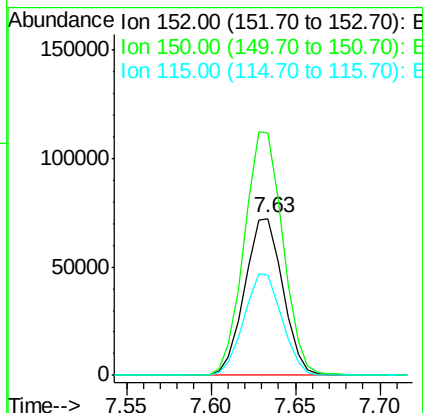
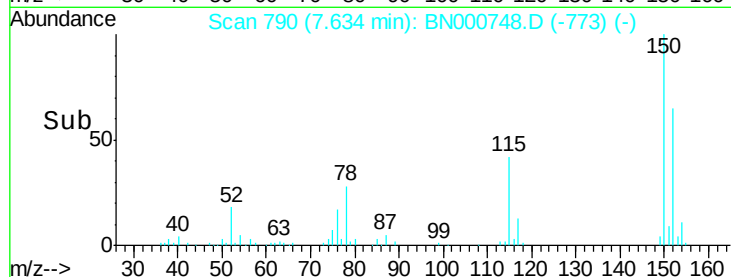
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

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

Tot Ion:152 Resp: 114108
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.6 189.8
 115 64.2 53.0 79.4



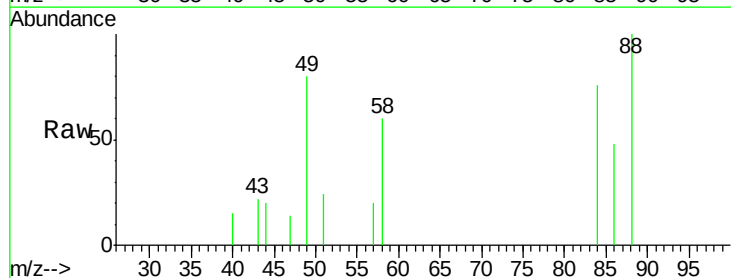
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



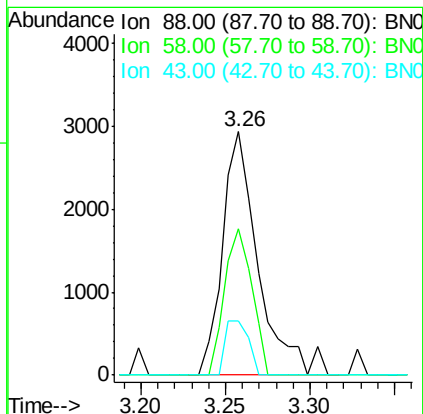
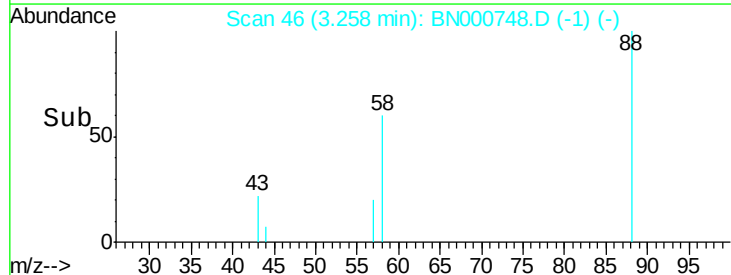
#2

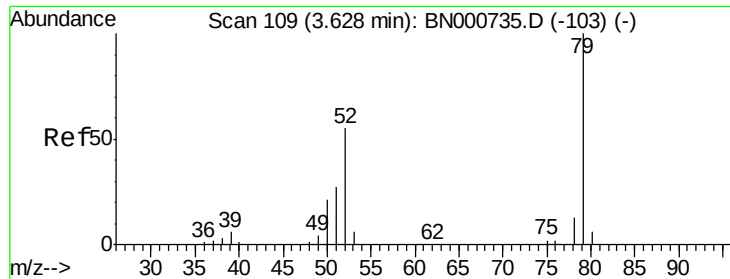
1,4-Dioxane
 Concen: 1.232 ng
 RT: 3.26 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion: 88 Resp: 4339
 Ion Ratio Lower Upper
 88 100
 58 45.7 52.0 78.0#
 43 14.3 20.0 30.0#



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





#3

Pvridine

Concen: 0.630 ng

RT: 3.66 min Scan# 115

Delta R.T. 0.04 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

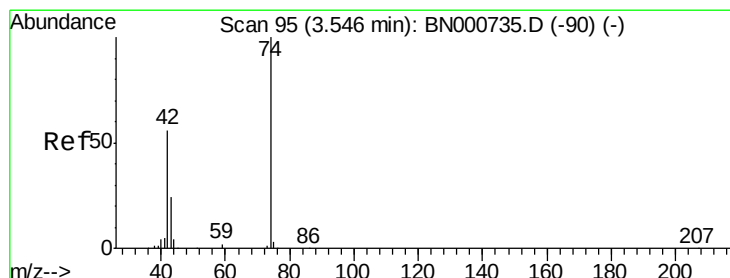
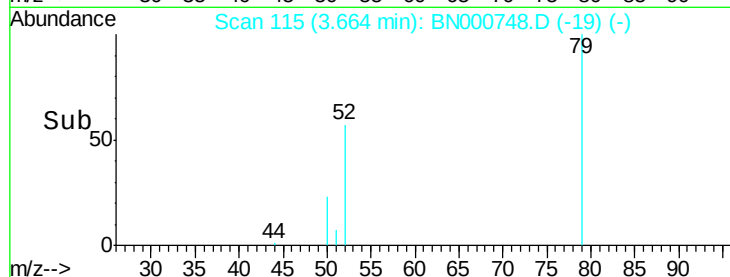
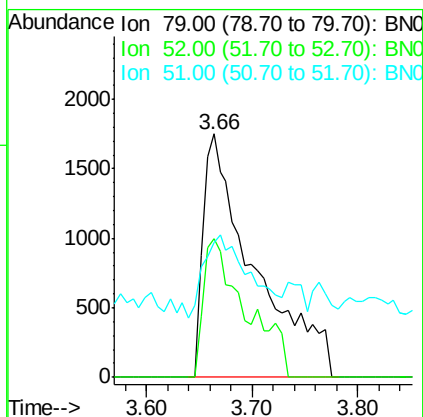
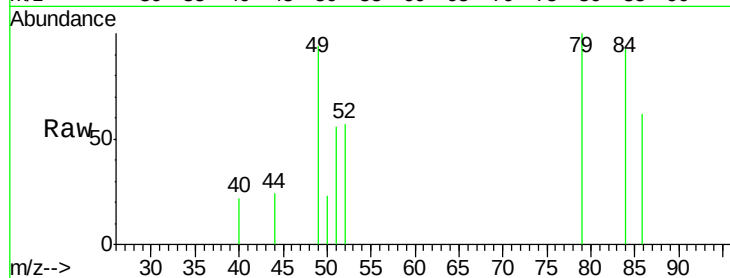
Tot Ion: 79 Resp: 5846

Ion Ratio Lower Upper

79 100

52 57.0 44.0 66.0

51 55.6 24.0 36.0#



#4

n-Nitrosodimethylamine

Concen: 0.521 ng

RT: 3.56 min Scan# 97

Delta R.T. 0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

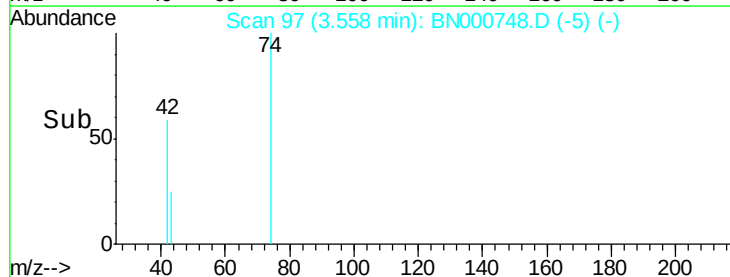
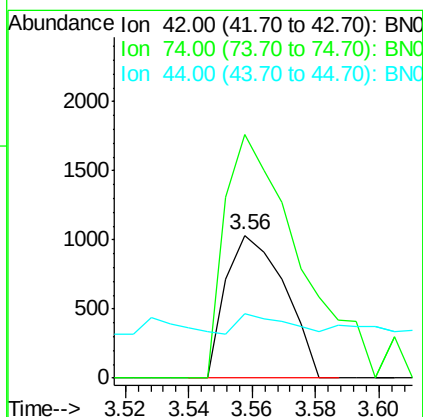
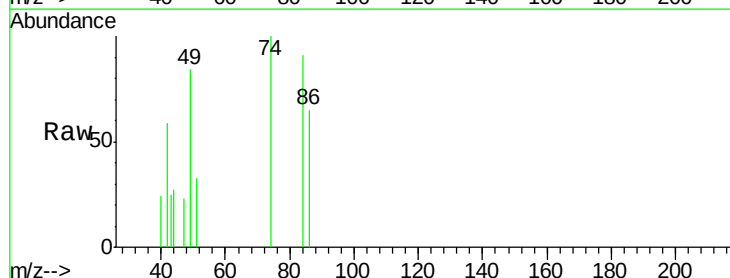
Tgt Ion: 42 Resp: 1329

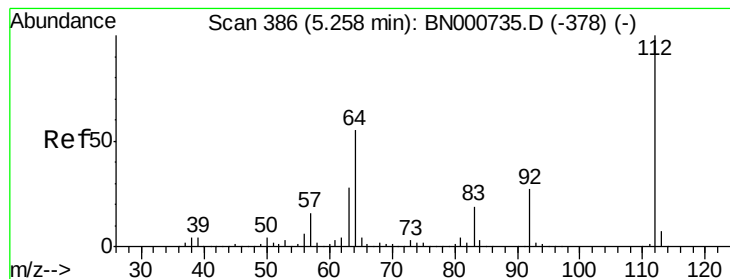
Ion Ratio Lower Upper

42 100

74 170.9 128.0 192.0

44 45.5 12.0 18.0#





#5

2-Fluorophenol

Concen: 136.802 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

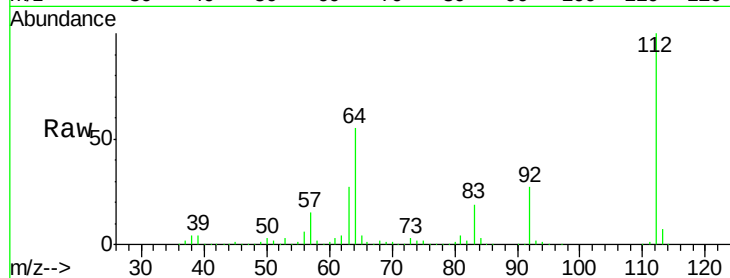
Tot Ion:112 Resp: 1050846

Ion Ratio Lower Upper

112 100

64 54.8 56.3 84.5#

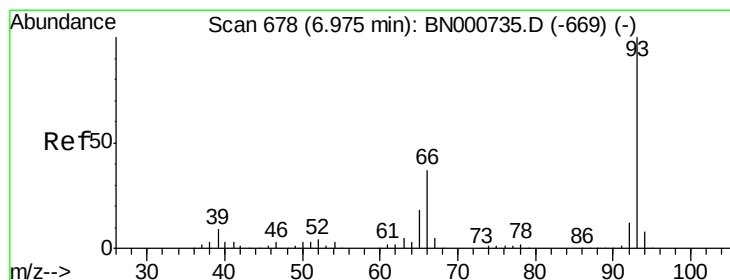
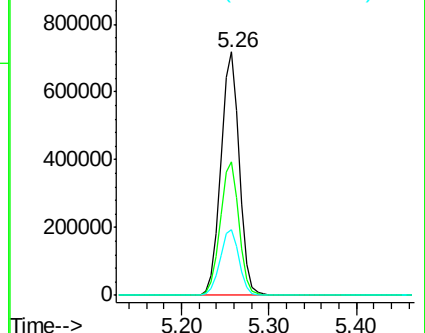
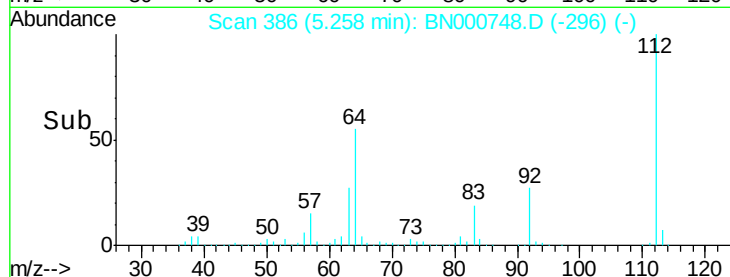
63 27.0 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 0.827 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

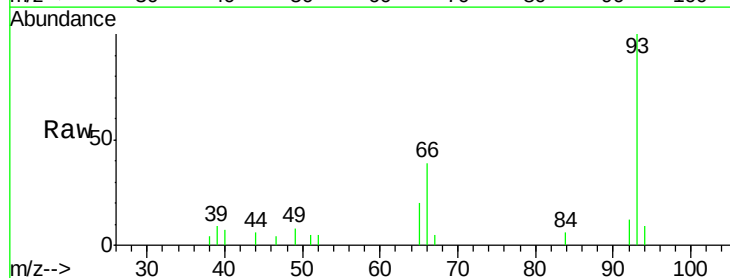
Tgt Ion: 93 Resp: 11481

Ion Ratio Lower Upper

93 100

66 39.0 33.7 50.5

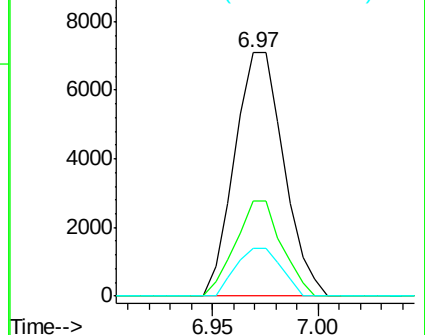
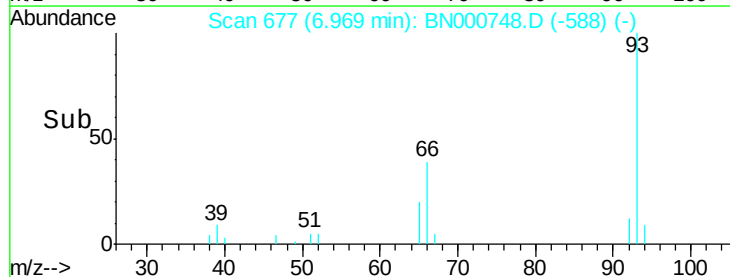
65 19.5 16.1 24.1

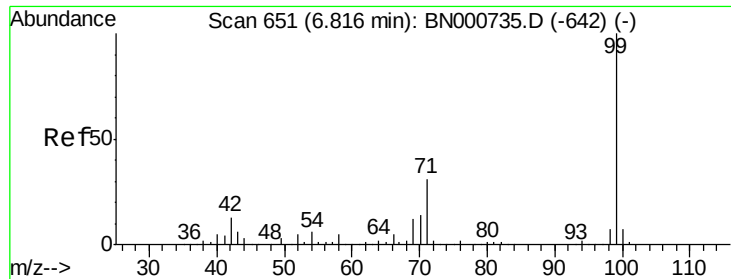


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 130.757 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

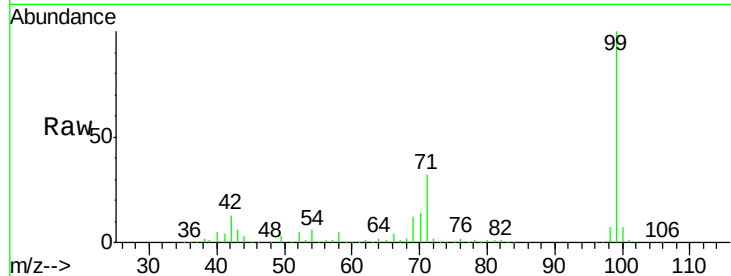
BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1368747

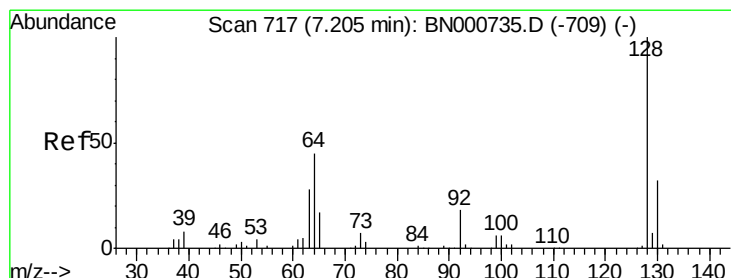
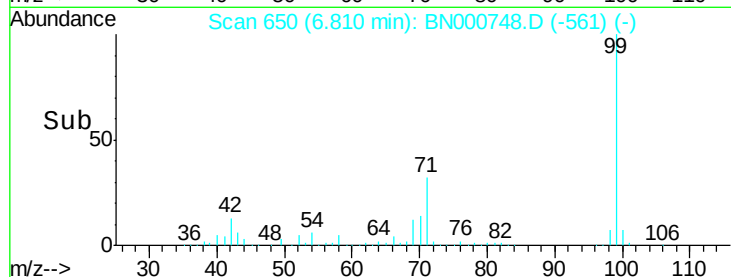
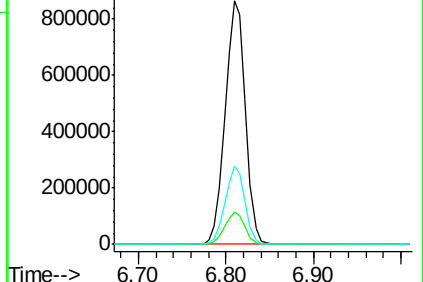
Ion	Ratio	Lower	Upper
99	100		
42	13.2	14.1	21.1#
71	32.0	26.1	39.1



Abundance Ion 99.00 (98.70 to 99.70): BN000735.D (-642) (-)

Ion 42.00 (41.70 to 42.70): BN000735.D (-642) (-)

Ion 71.00 (70.70 to 71.70): BN000735.D (-642) (-)



#8

2-Chlorophenol

Concen: 1.030 ng

RT: 7.20 min Scan# 716

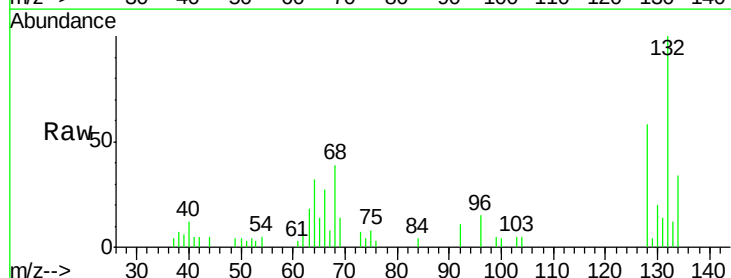
Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Tgt Ion: 128 Resp: 8185

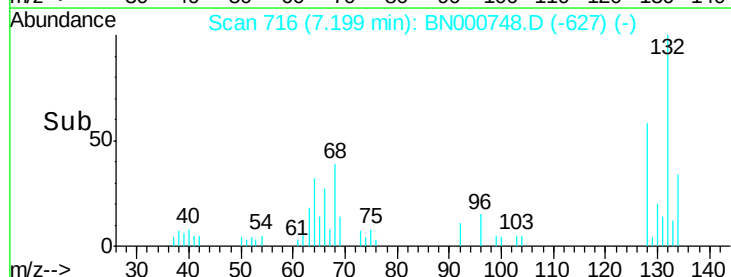
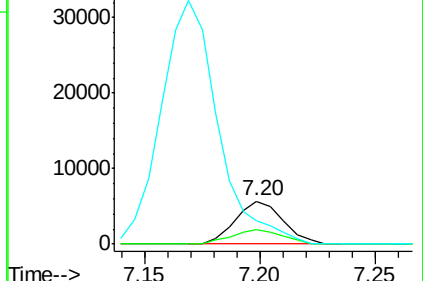
Ion	Ratio	Lower	Upper
128	100		
130	34.4	14.0	54.0
64	54.7	37.7	77.7

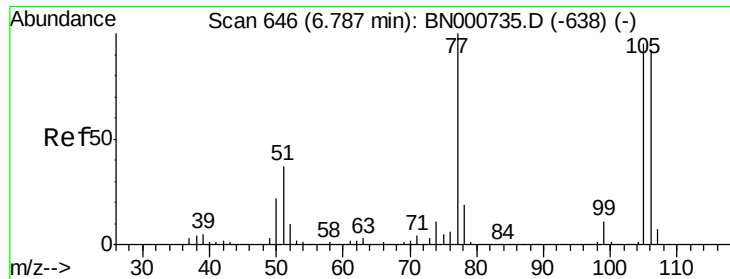


Abundance Ion 128.00 (127.70 to 128.70): BN000735.D (-709) (-)

Ion 130.00 (129.70 to 130.70): BN000735.D (-709) (-)

Ion 64.00 (63.70 to 64.70): BN000735.D (-709) (-)





#9

Benzaldehyde

Concen: Below Cal

RT: 6.79 min Scan# 646

Delta R.T. -0.00 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

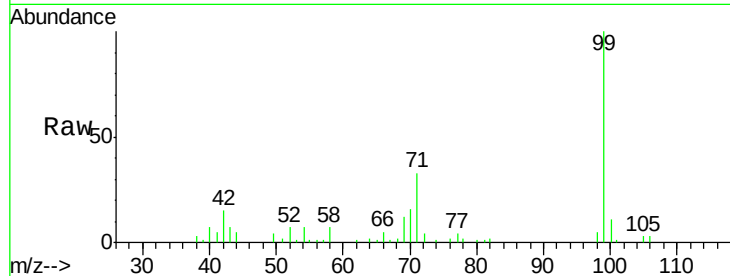
Tot Ion: 77 Resp: 5594

Ion Ratio Lower Upper

77 100

105 81.2 71.3 111.3

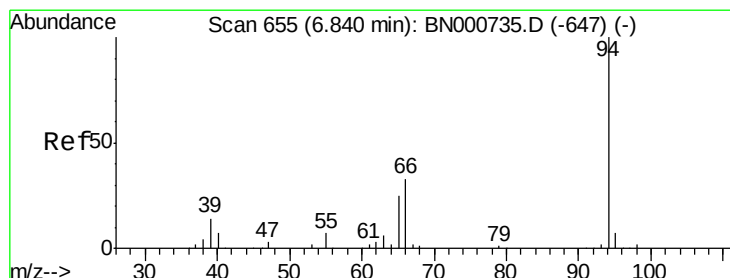
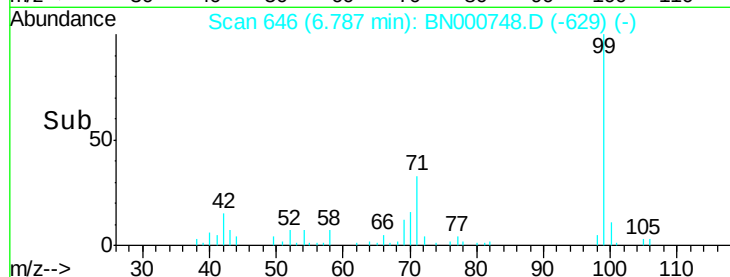
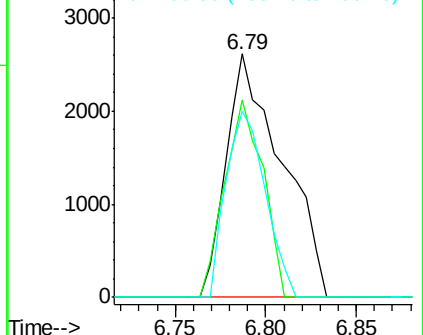
106 76.2 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#10

Phenol

Concen: 0.989 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

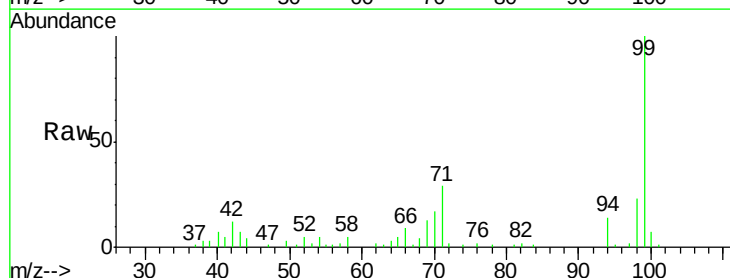
Tgt Ion: 94 Resp: 10914

Ion Ratio Lower Upper

94 100

65 31.7 11.9 51.9

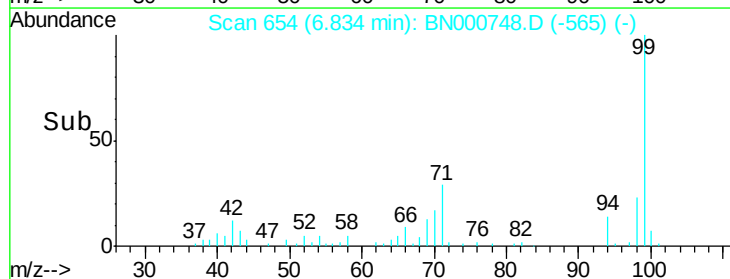
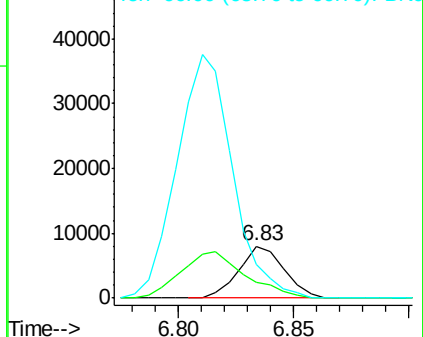
66 65.1 22.2 62.2#

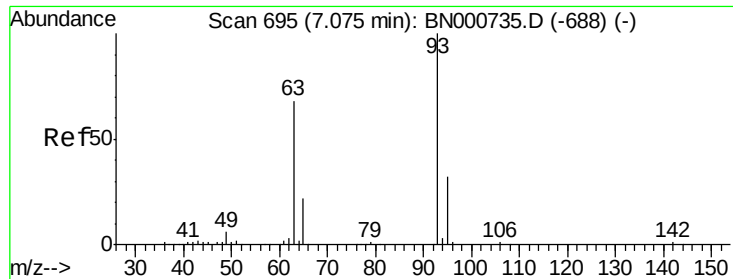


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#11

bis(2-Chloroethyl)ether

Concen: 0.928 ng

RT: 7.07 min Scan# 694

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

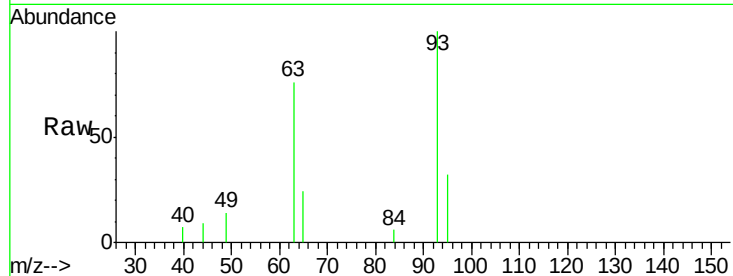
Tot Ion: 93 Resp: 8379

Ion Ratio Lower Upper

93 100

63 75.6 67.1 107.1

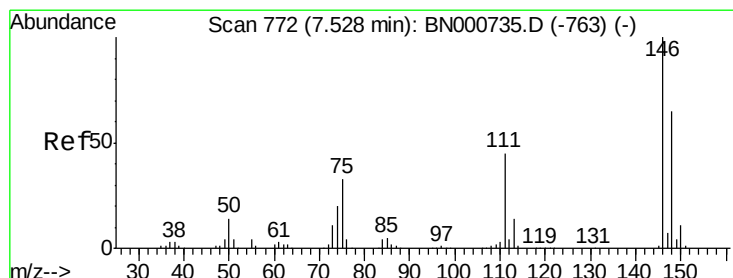
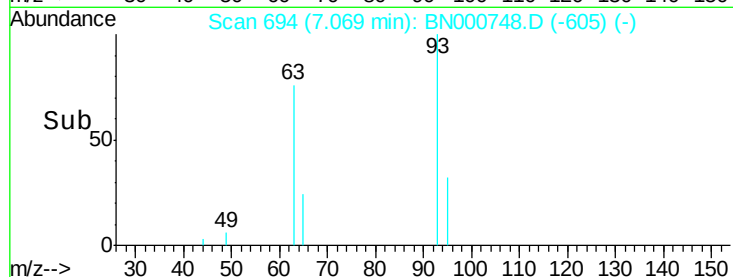
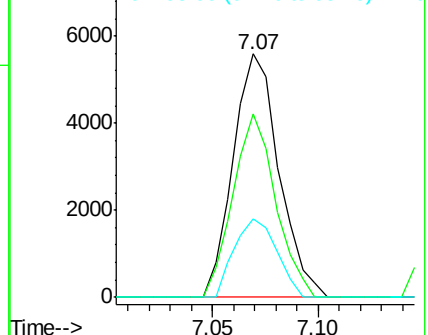
95 32.0 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BN000735.D (-688) (-)

Ion 63.00 (62.70 to 63.70): BN000735.D (-688) (-)

Ion 95.00 (94.70 to 95.70): BN000735.D (-688) (-)



#12

1,3-Dichlorobenzene

Concen: 1.025 ng

RT: 7.52 min Scan# 771

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

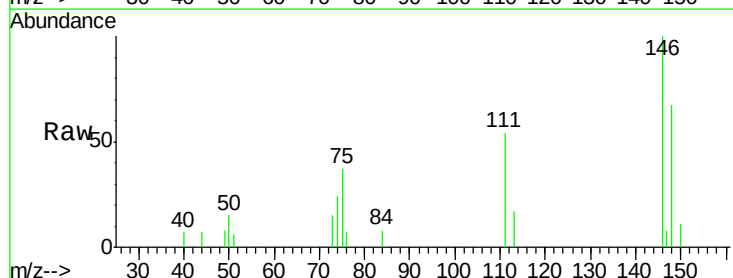
Tgt Ion: 146 Resp: 9454

Ion Ratio Lower Upper

146 100

148 67.0 51.4 77.2

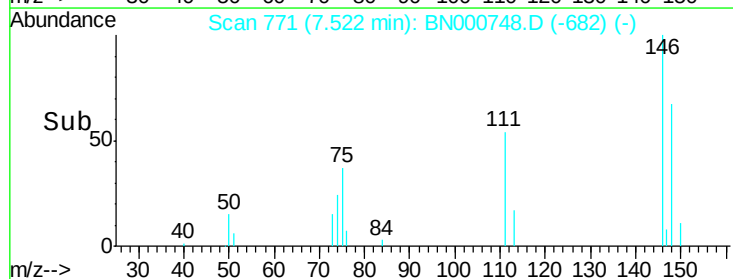
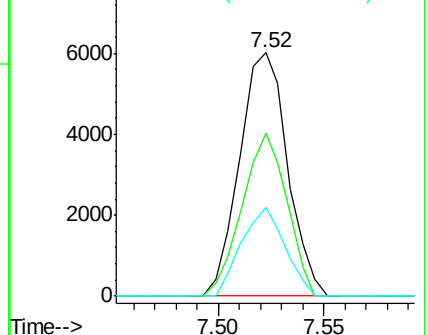
75 36.7 26.6 39.8

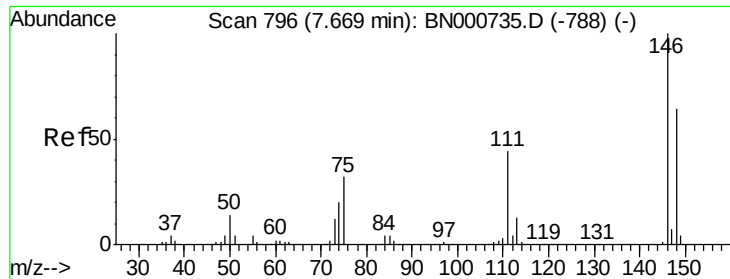


Abundance Ion 146.00 (145.70 to 146.70): BN000735.D (-763) (-)

Ion 148.00 (147.70 to 148.70): BN000735.D (-763) (-)

Ion 75.00 (74.70 to 75.70): BN000735.D (-763) (-)

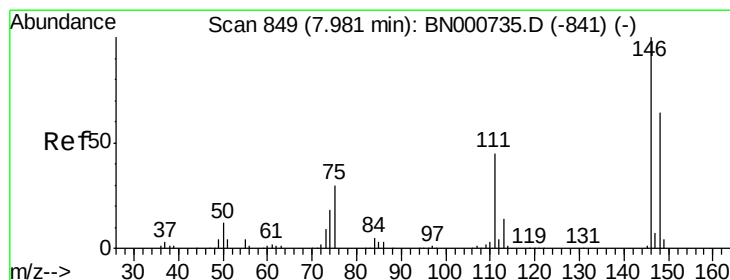
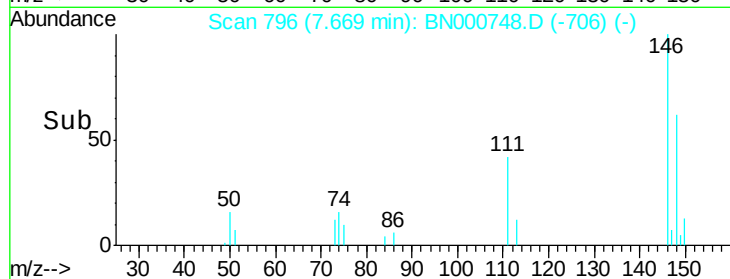
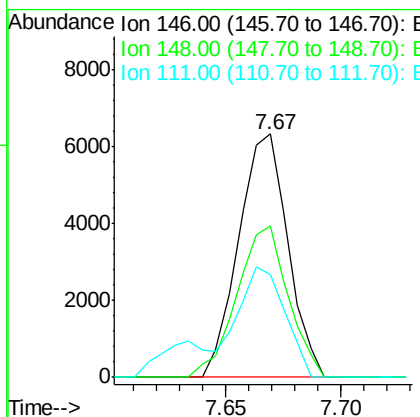
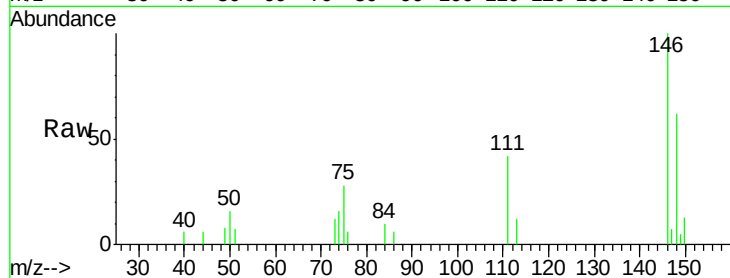




#13
 1,4-Dichlorobenzene
 Concen: 1.002 ng
 RT: 7.67 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

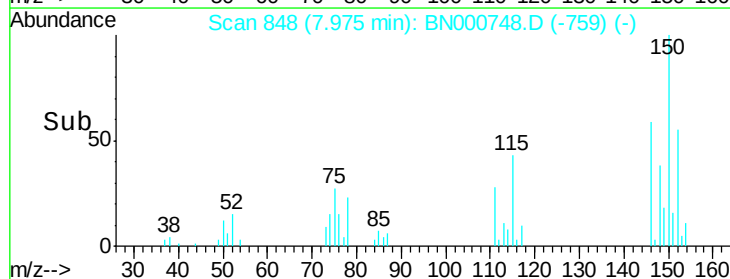
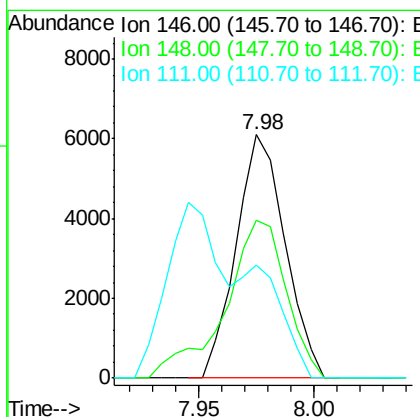
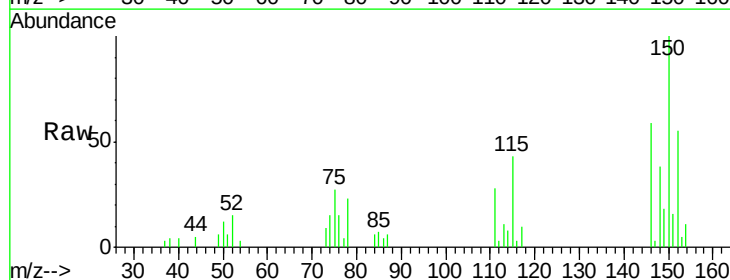
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

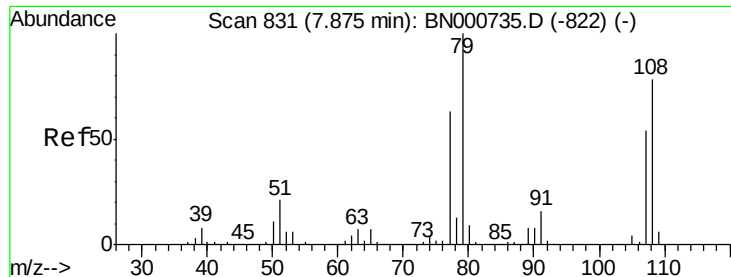
Tot Ion:146 Resp: 9390
 Ion Ratio Lower Upper
 146 100
 148 62.3 53.7 80.5
 111 42.0 35.2 52.8



#14
 1,2-Dichlorobenzene
 Concen: 1.006 ng
 RT: 7.98 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:146 Resp: 8999
 Ion Ratio Lower Upper
 146 100
 148 64.8 49.3 73.9
 111 46.6 34.3 51.5





#15

Benzyl Alcohol

Concen: 0.715 ng

RT: 7.87 min Scan# 830

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

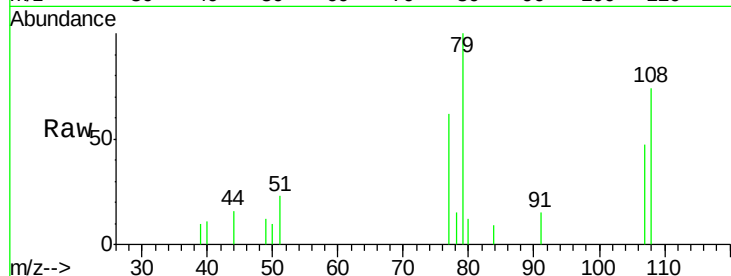
Tot Ion: 79 Resp: 5151

Ion Ratio Lower Upper

79 100

108 73.6 57.2 85.8

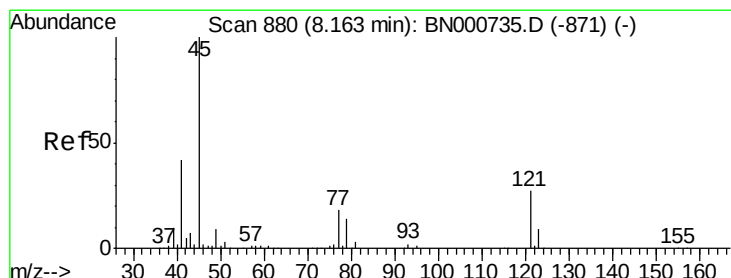
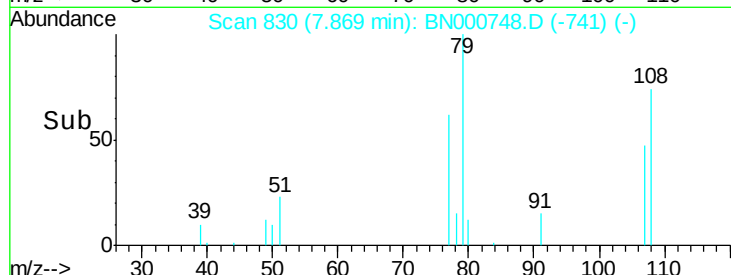
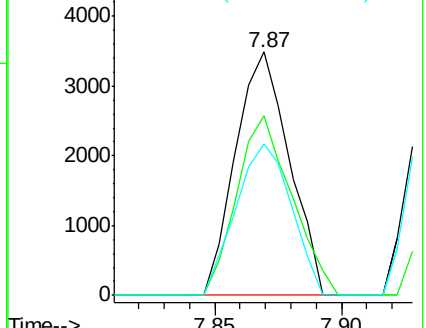
77 62.1 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BNC

Ion 108.00 (107.70 to 108.70): BNC

Ion 77.00 (76.70 to 77.70): BNC



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.962 ng

RT: 8.16 min Scan# 880

Delta R.T. -0.00 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

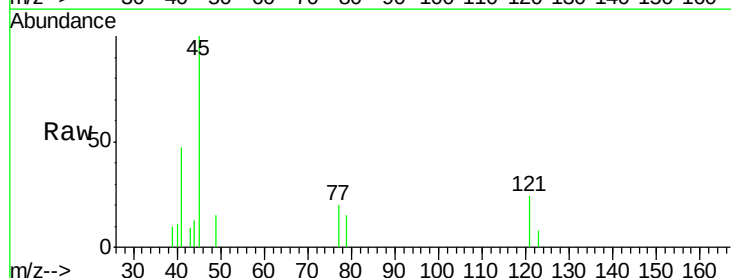
Tgt Ion: 45 Resp: 9227

Ion Ratio Lower Upper

45 100

77 20.0 0.0 30.2

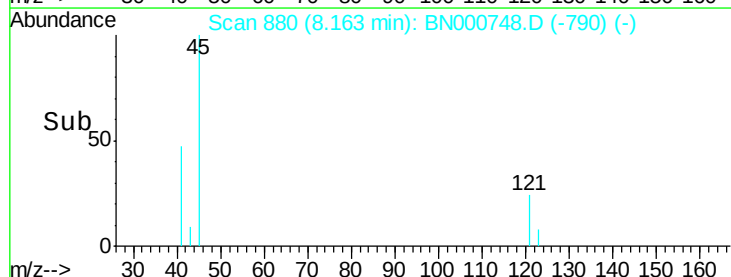
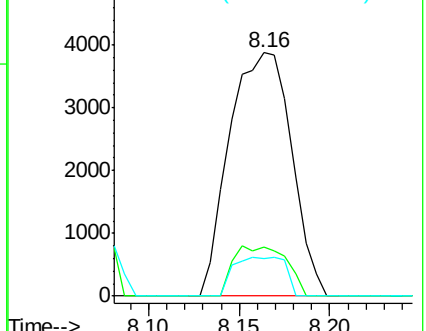
79 15.2 0.0 27.9

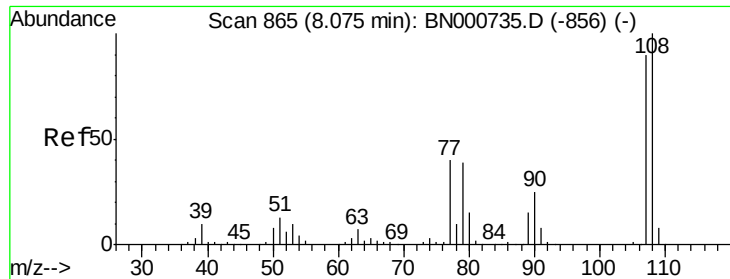


Abundance Ion 45.00 (44.70 to 45.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC





#17

2-Methylphenol

Concen: 0.829 ng

RT: 8.07 min Scan# 864

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:107 Resp: 6148

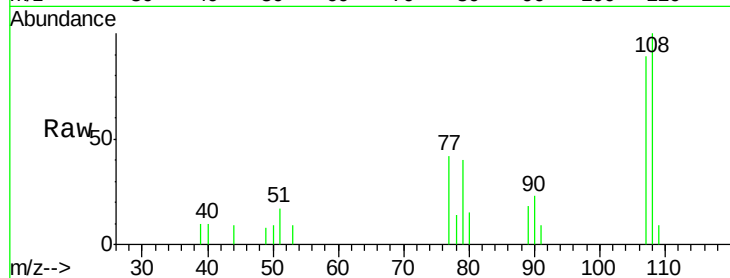
Ion Ratio Lower Upper

107 100

108 112.6 83.9 125.9

77 47.3 37.2 55.8

79 45.1 36.2 54.2

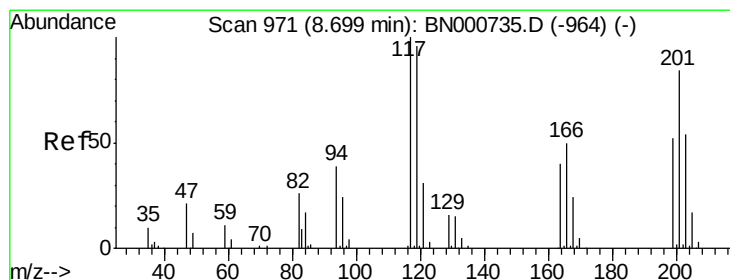
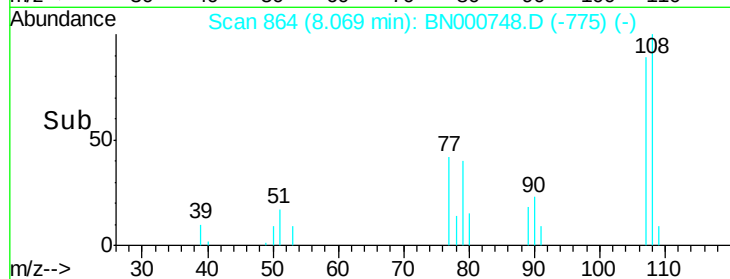
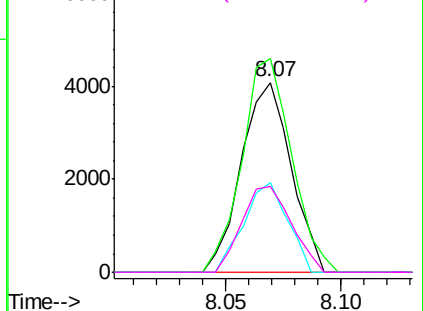


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 0.902 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

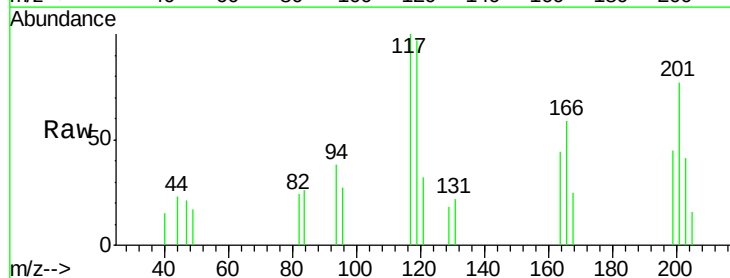
Tgt Ion:117 Resp: 3113

Ion Ratio Lower Upper

117 100

119 97.0 76.7 115.1

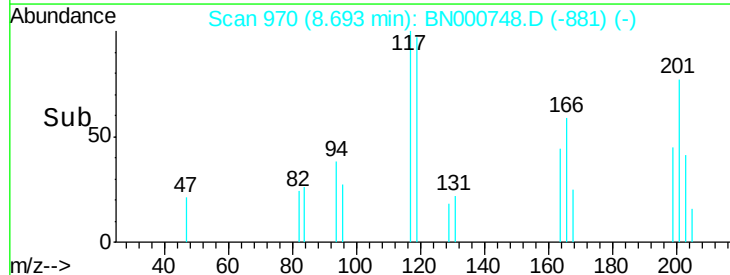
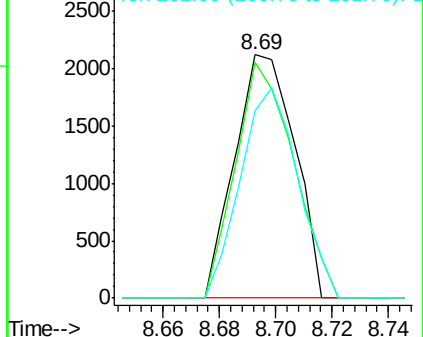
201 76.9 95.7 143.5#

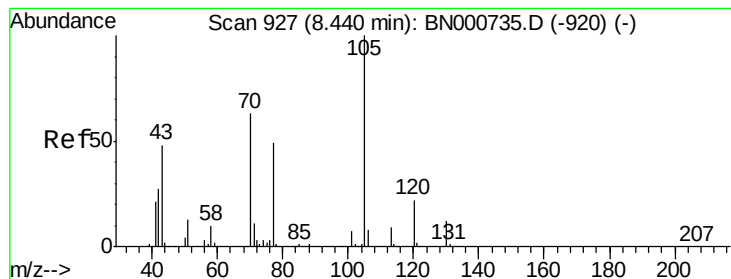


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 0.775 ng

RT: 8.43 min Scan# 925

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 70 Resp: 5046

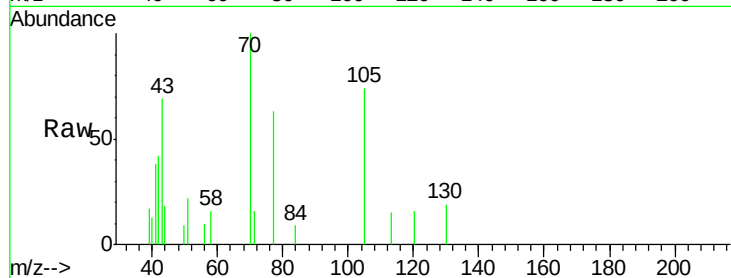
Ion Ratio Lower Upper

70 100

42 41.7 49.1 73.7#

101 0.0 8.5 12.7#

130 18.7 13.4 20.0



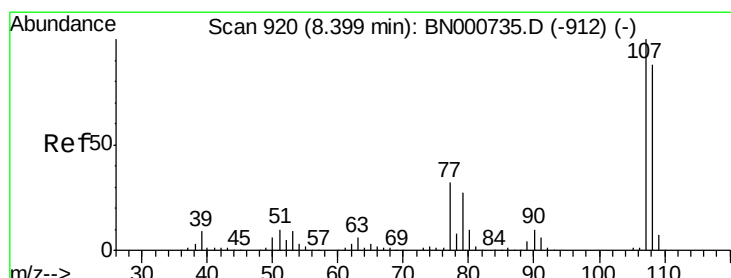
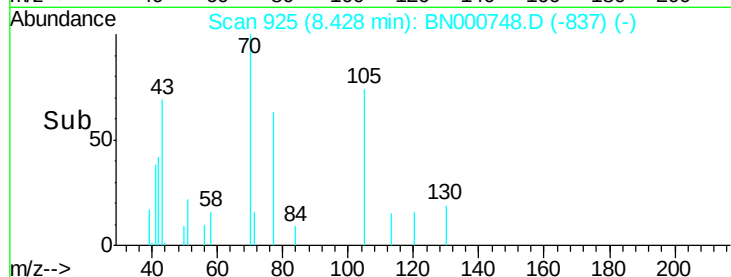
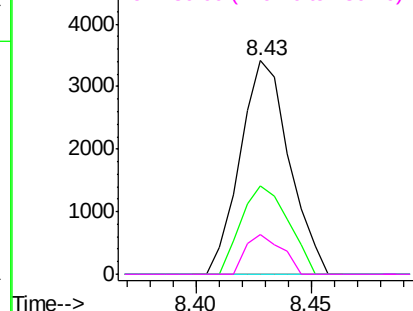
Abundance

Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 0.763 ng

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Tgt Ion:107 Resp: 7776

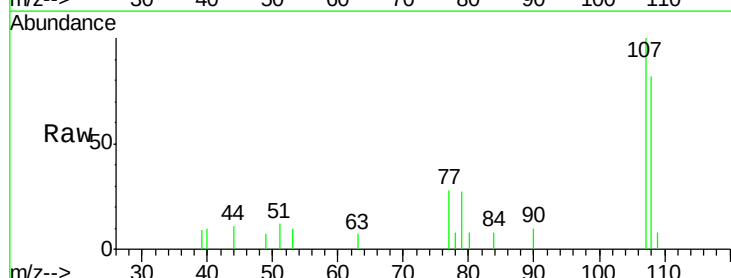
Ion Ratio Lower Upper

107 100

108 81.9 61.6 101.6

77 28.3 13.9 53.9

79 27.3 8.8 48.8



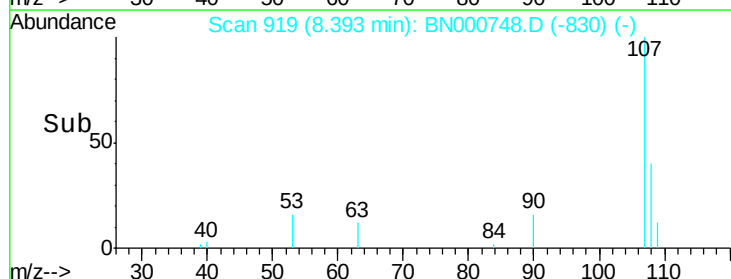
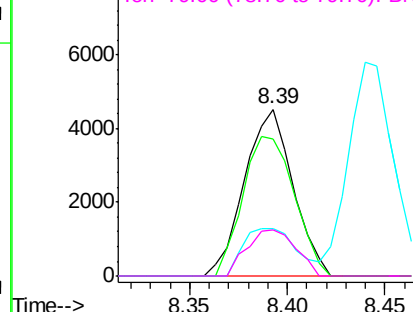
Abundance

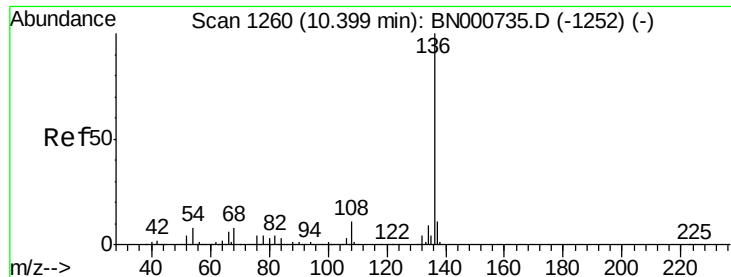
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BN0

Ion 79.00 (78.70 to 79.70): BN0

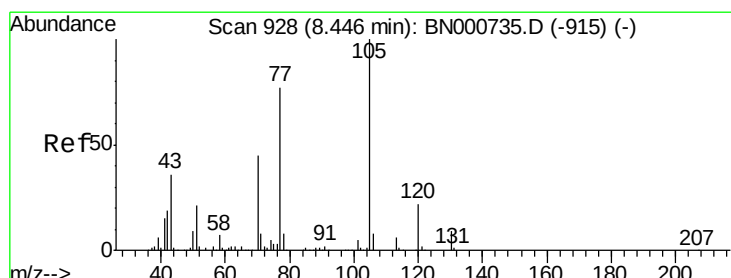
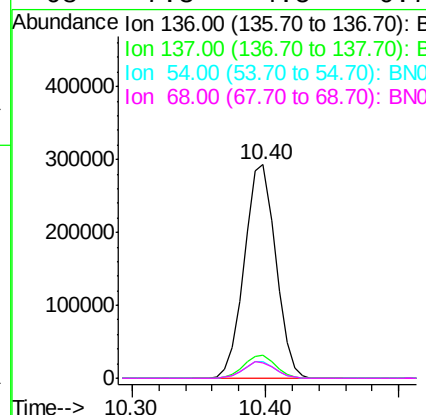
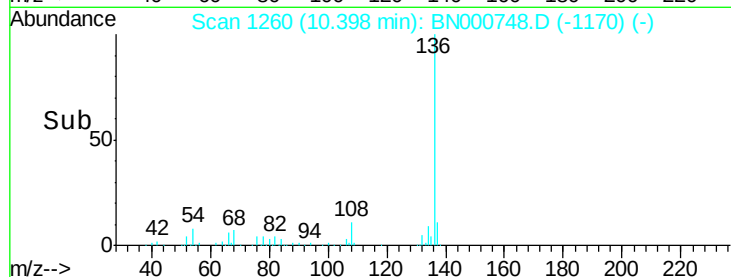
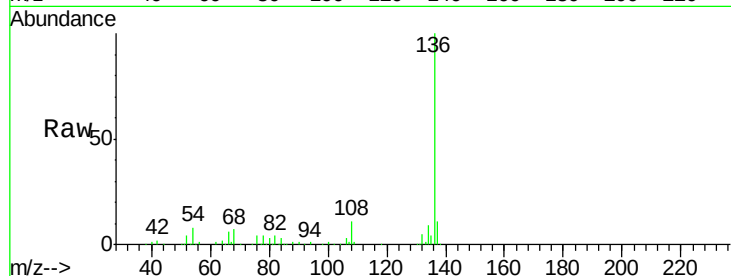




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

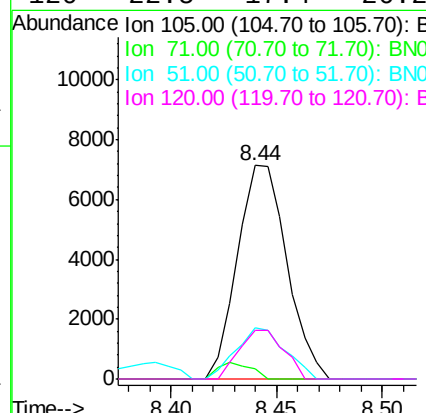
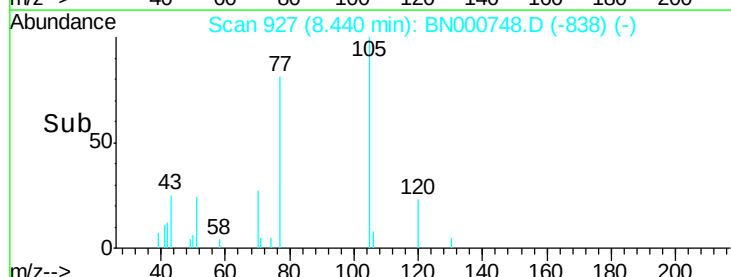
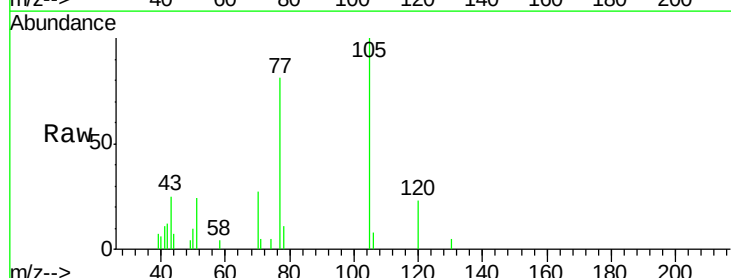
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

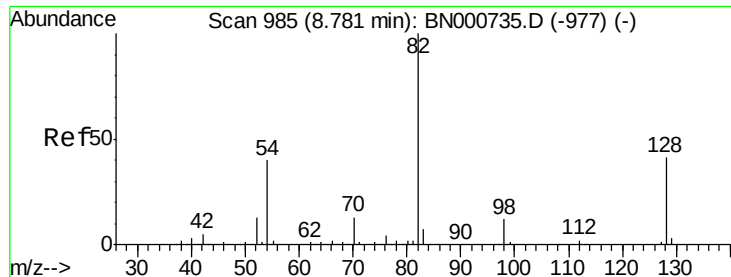
Tot Ion:136	Resp:	473929
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	7.6	10.3 15.5#
68	7.3	4.5 6.7#



#22
Acetophenone
Concen: 0.856 ng
RT: 8.44 min Scan# 927
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:105	Resp:	11621
Ion Ratio	Lower	Upper
105	100	
71	4.6	3.0 4.4#
51	24.1	26.1 39.1#
120	22.5	17.4 26.2

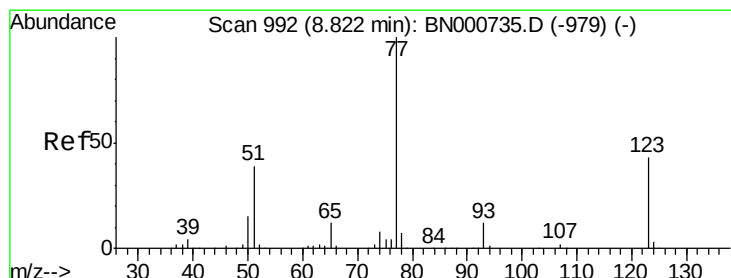
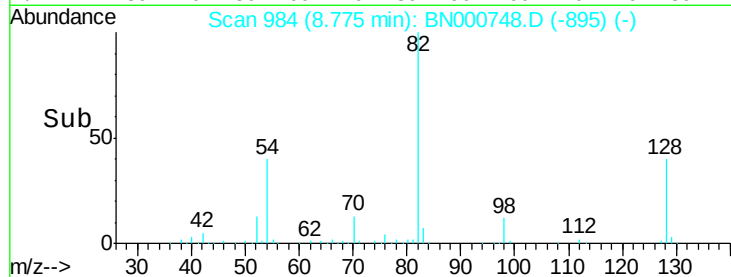
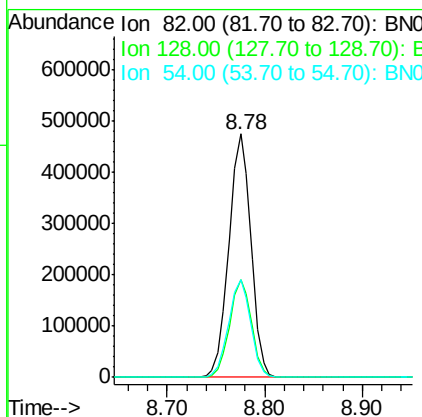
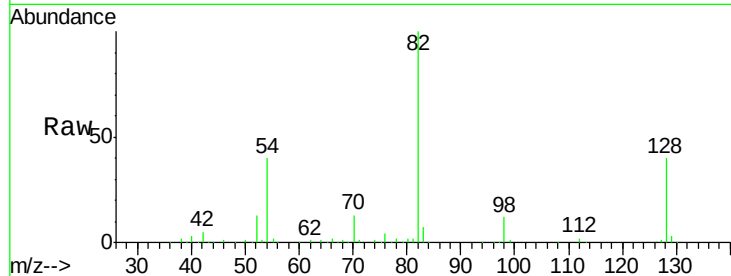




#23
 Nitrobenzene-d5
 Concen: 81.662 ng
 RT: 8.78 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

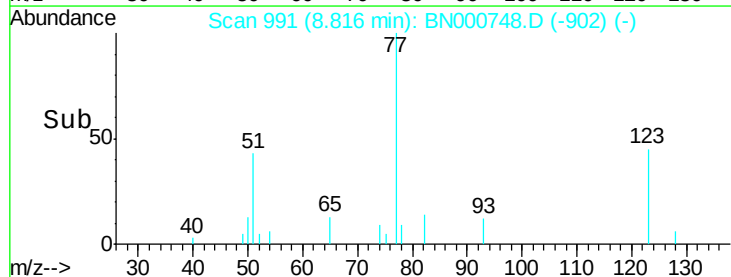
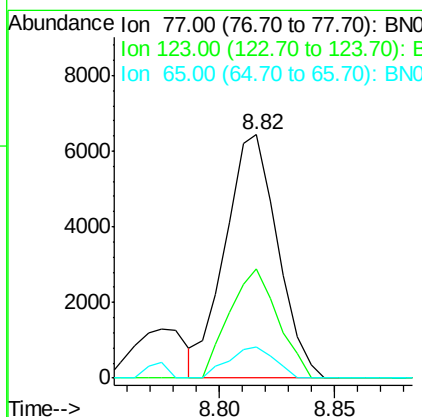
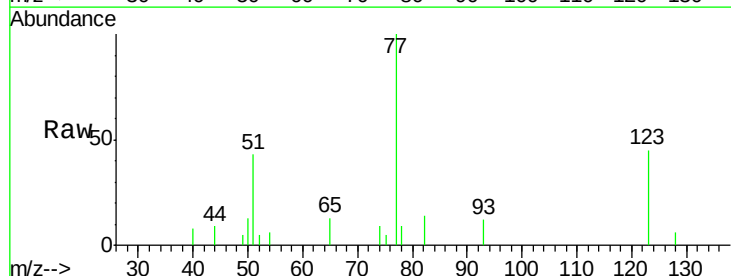
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

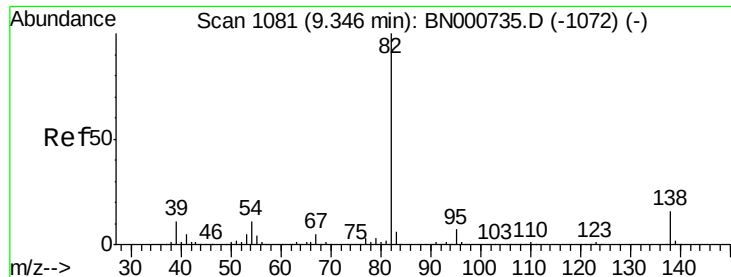
Tot Ion	82	Resp	742405
Ion Ratio	100	Lower	Upper
128	39.9	29.7	44.5
54	40.2	43.1	64.7#



#24
 Nitrobenzene
 Concen: 1.043 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion	77	Resp	10166
Ion Ratio	100	Lower	Upper
123	44.9	33.0	49.6
65	12.7	13.0	19.6#





#25

Isophorone

Concen: 0.718 ng

RT: 9.33 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

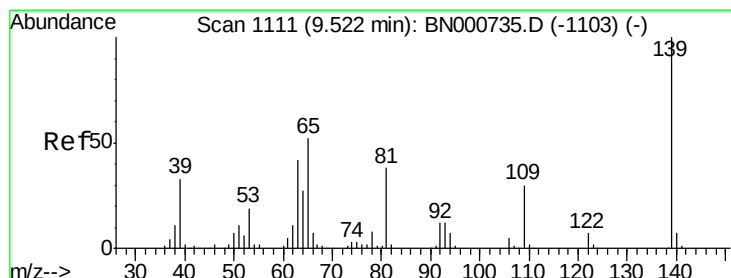
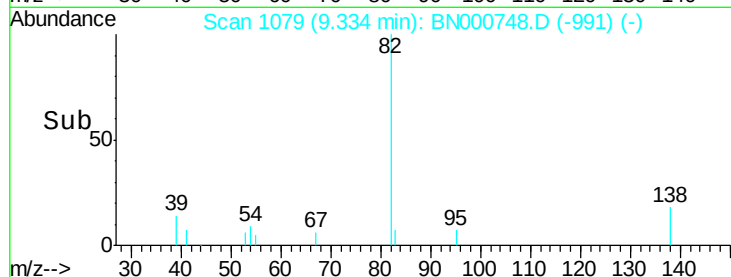
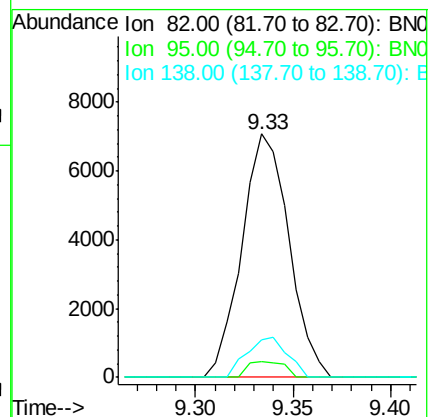
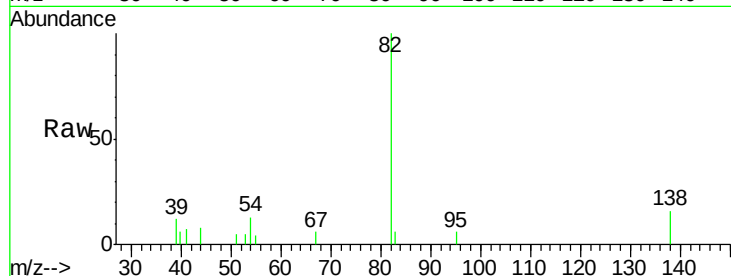
Tot Ion: 82 Resp: 11834

Ion Ratio Lower Upper

82 100

95 6.3 6.2 9.2

138 15.6 12.1 18.1



#26

2-Nitrophenol

Concen: 0.621 ng

RT: 9.52 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

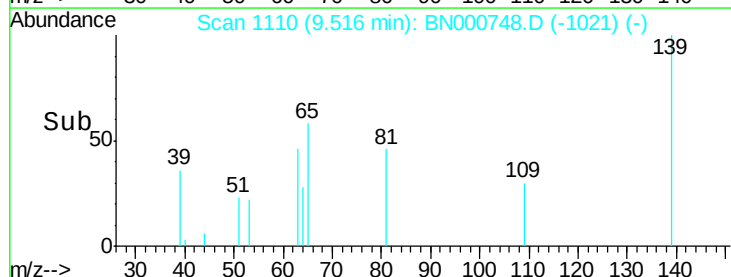
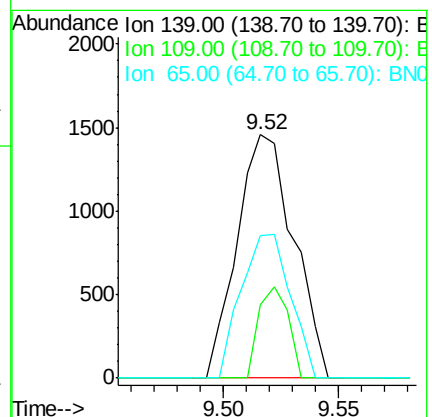
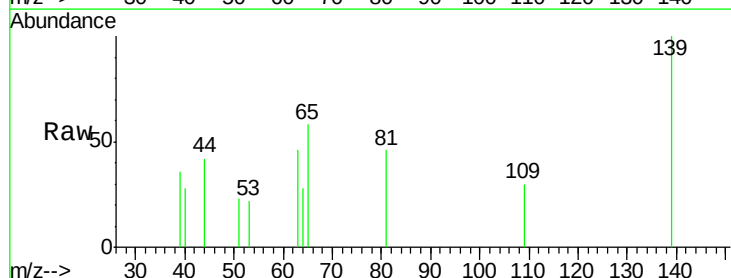
Tgt Ion: 139 Resp: 2482

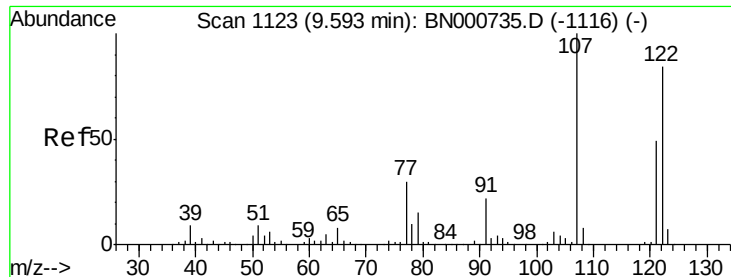
Ion Ratio Lower Upper

139 100

109 30.1 24.2 36.2

65 58.4 47.4 71.0





#27

2,4-Dimethylphenol

Concen: 0.712 ng

RT: 9.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

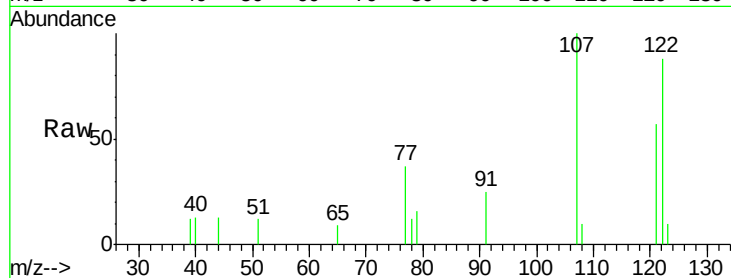
Tot Ion:122 Resp: 4644

Ion Ratio Lower Upper

122 100

107 113.3 100.2 150.2

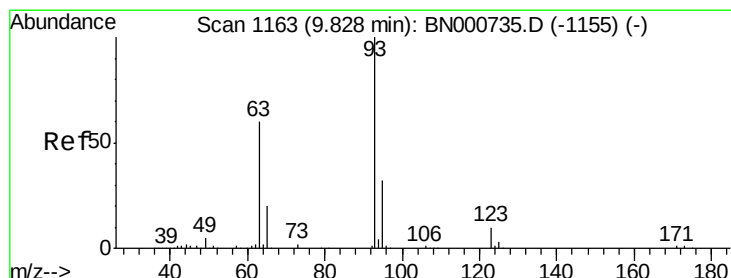
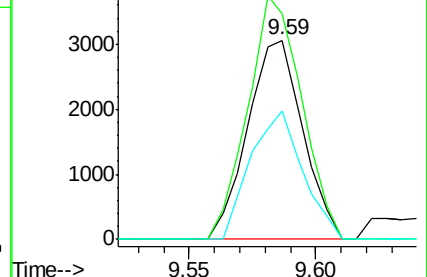
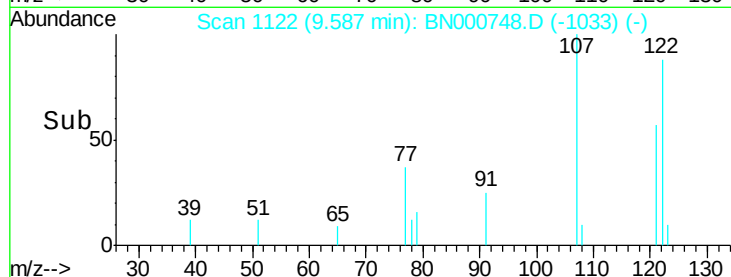
121 64.5 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.869 ng

RT: 9.82 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

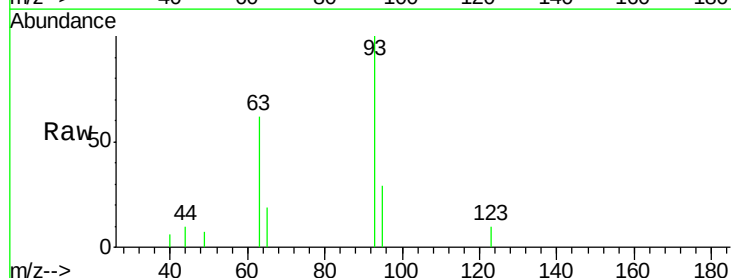
Tgt Ion: 93 Resp: 9328

Ion Ratio Lower Upper

93 100

95 29.1 24.3 36.5

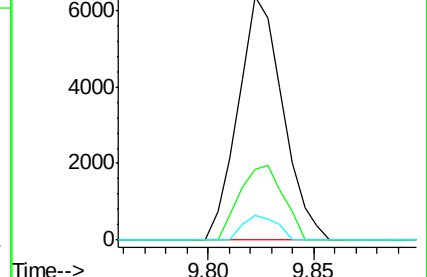
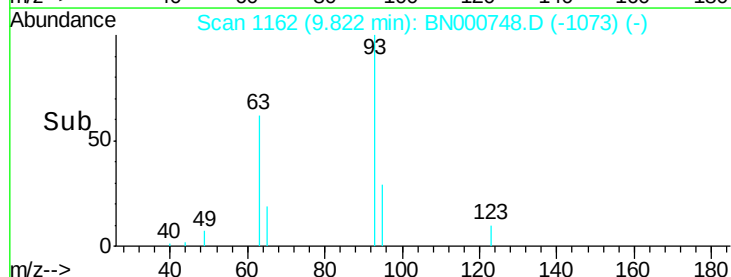
123 10.0 8.4 12.6

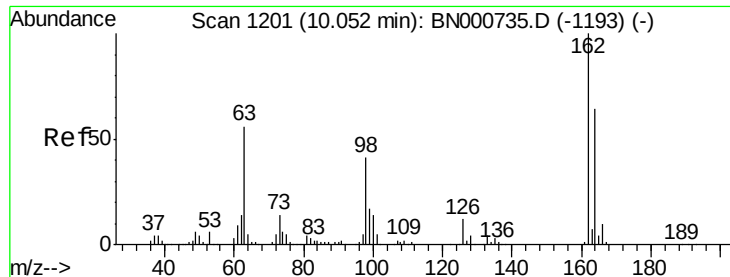


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E

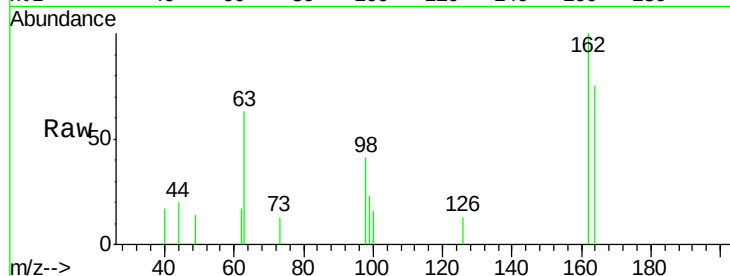




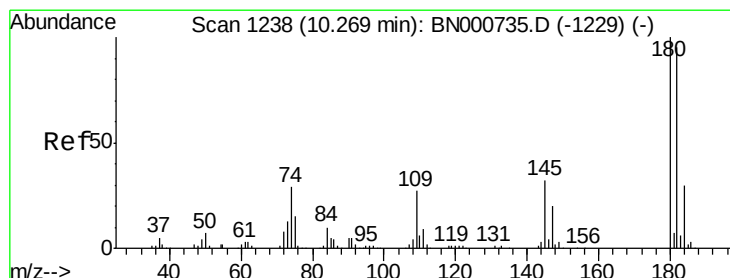
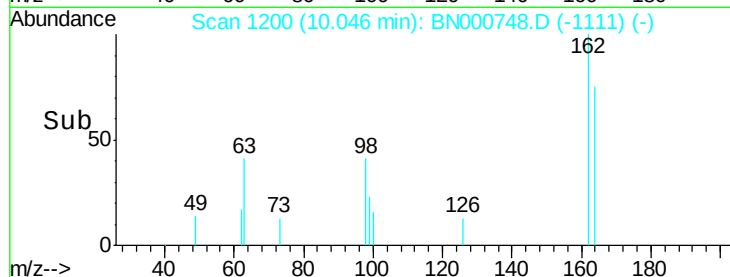
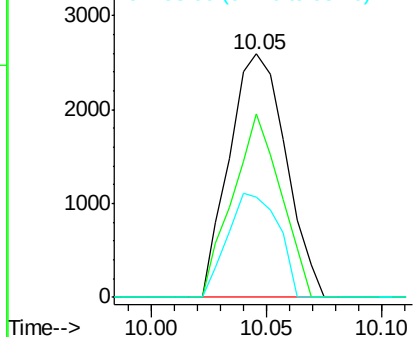
#29
 2,4-Dichlorophenol
 Concen: 0.686 ng
 RT: 10.05 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

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

Tot Ion:162 Resp: 4405
 Ion Ratio Lower Upper
 162 100
 164 75.3 48.0 88.0
 98 41.3 21.1 61.1

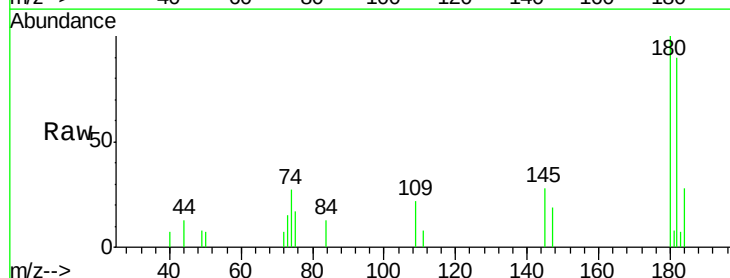


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BNC

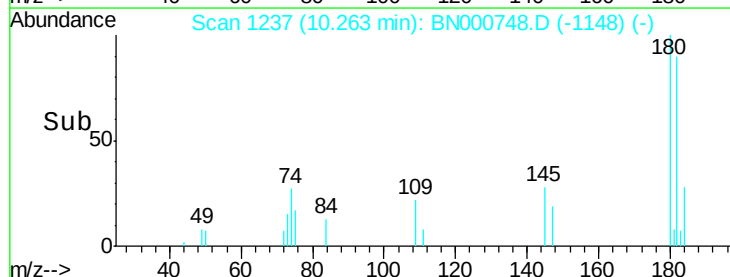
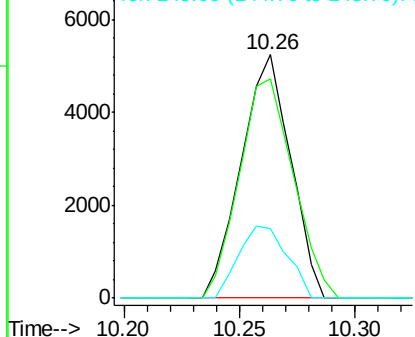


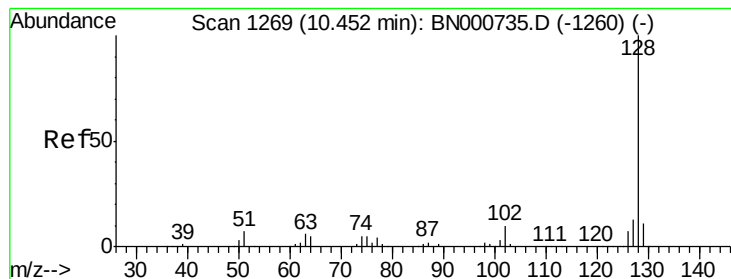
#30
 1,2,4-Trichlorobenzene
 Concen: 1.009 ng
 RT: 10.26 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:180 Resp: 7809
 Ion Ratio Lower Upper
 180 100
 182 90.0 77.5 116.3
 145 28.4 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: 1.025 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

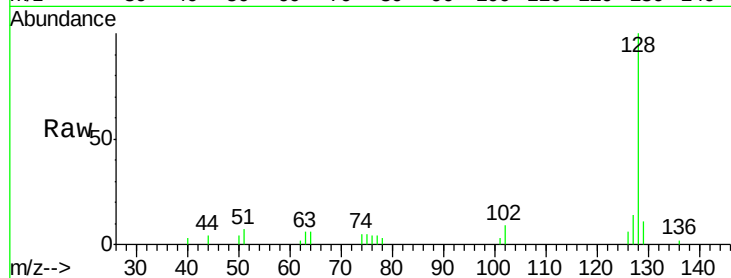
Tot Ion:128 Resp: 26129

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

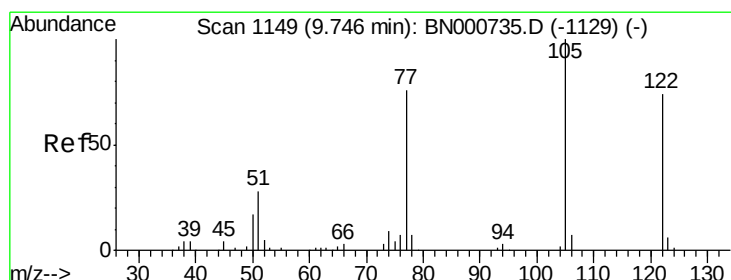
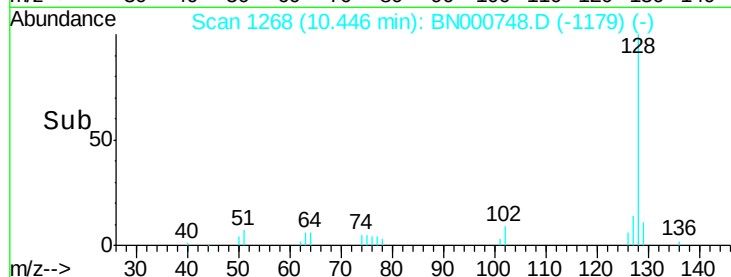
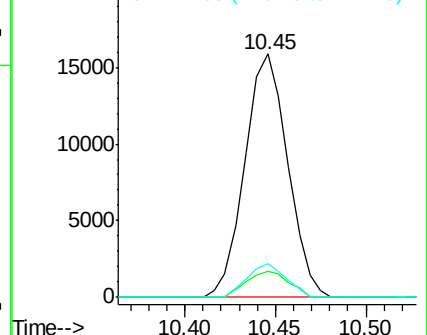
127 13.6 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.679 ng

RT: 9.65 min Scan# 1132

Delta R.T. -0.10 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

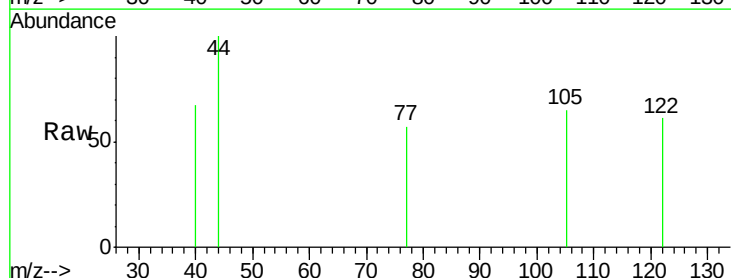
Tgt Ion:122 Resp: 572

Ion Ratio Lower Upper

122 100

105 106.7 123.5 163.5#

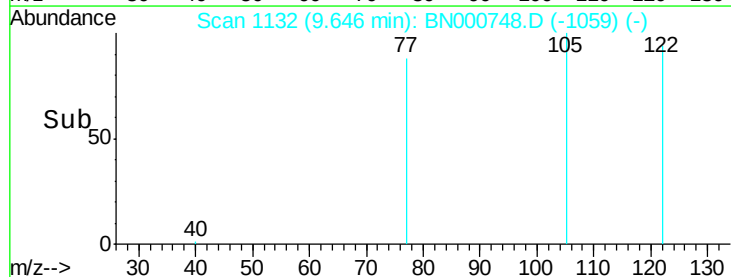
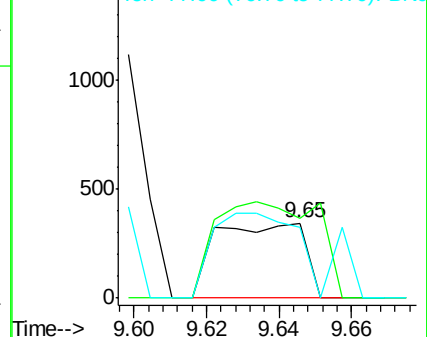
77 93.3 85.7 125.7

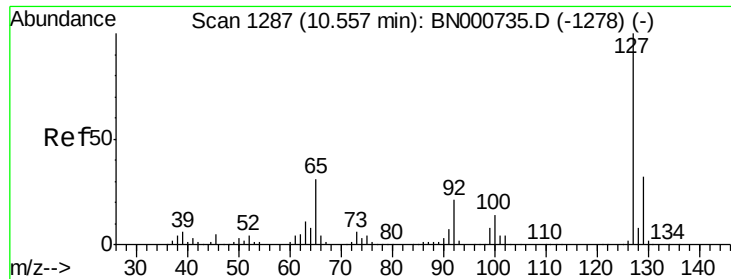


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

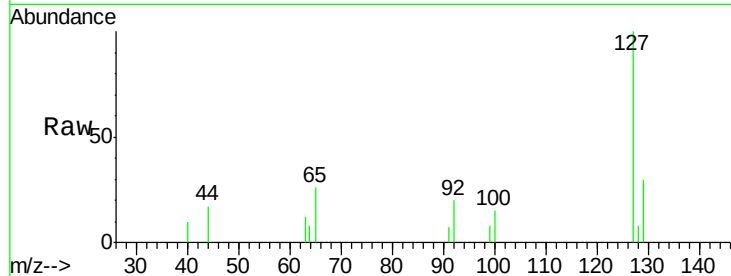




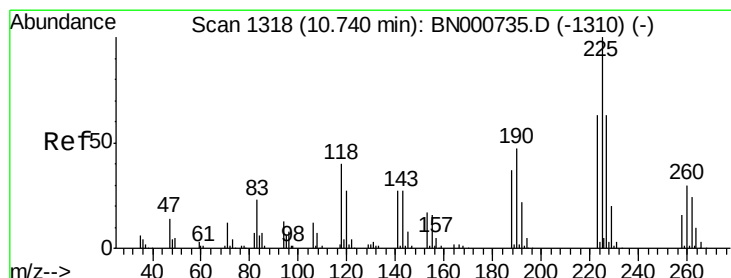
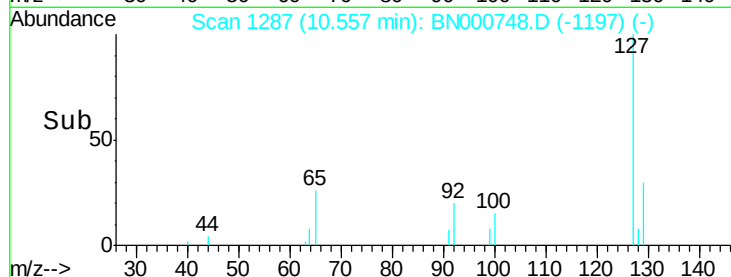
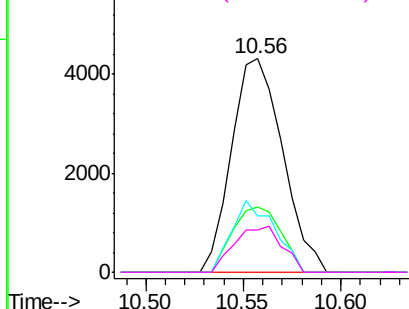
#33
4-Chloroaniline
Concen: 0.750 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:127	Resp:	7805
Ion Ratio	Lower	Upper
127	100	
129	30.3	24.0 36.0
65	26.3	27.0 40.4
92	19.7	16.6 25.0

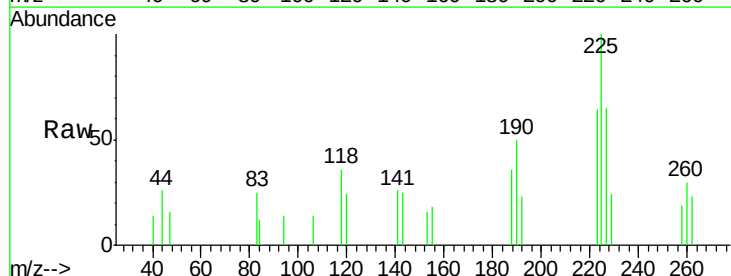


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

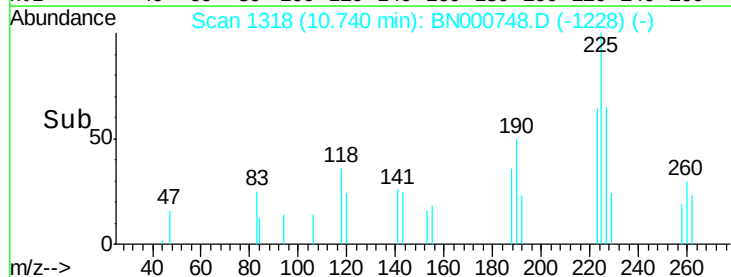
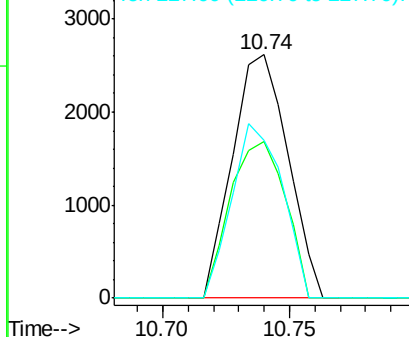


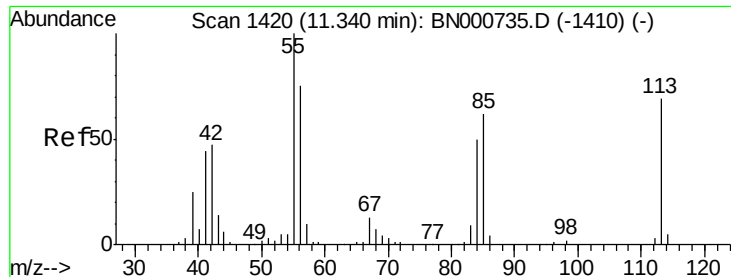
#34
Hexachlorobutadiene
Concen: 0.949 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:225	Resp:	3988
Ion Ratio	Lower	Upper
225	100	
223	64.2	49.7 74.5
227	64.8	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: 0.077 ng

RT: 11.31 min Scan# 1415

Delta R.T. -0.03 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

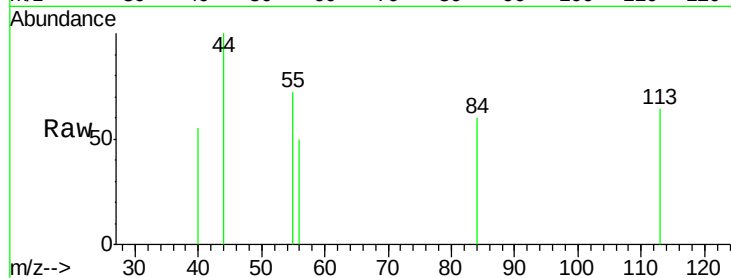
Tot Ion:113 Resp: 170

Ion Ratio Lower Upper

113 100

55 112.4 120.0 160.0#

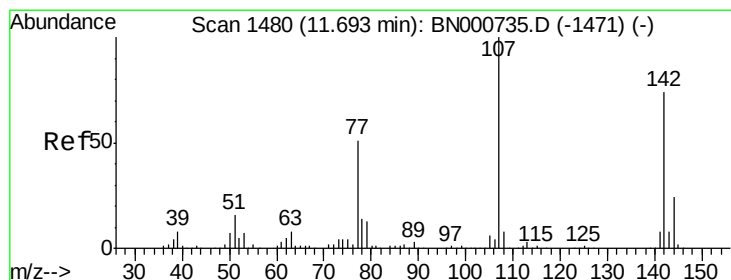
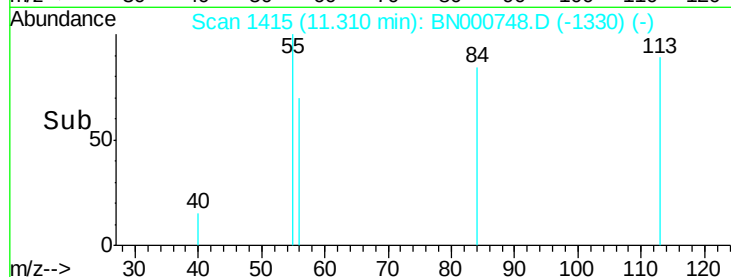
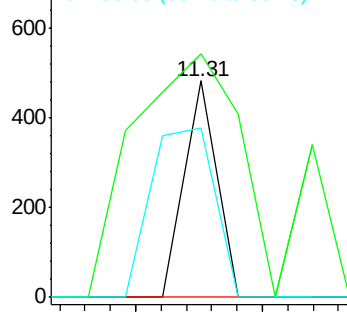
56 78.4 90.0 130.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#36

4-Chloro-3-methylphenol

Concen: 0.577 ng

RT: 11.68 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

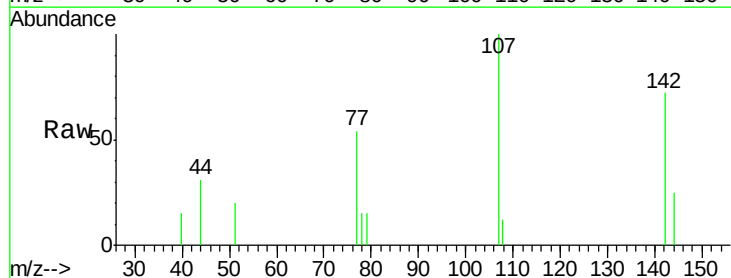
Tgt Ion:107 Resp: 4372

Ion Ratio Lower Upper

107 100

144 24.7 18.2 27.4

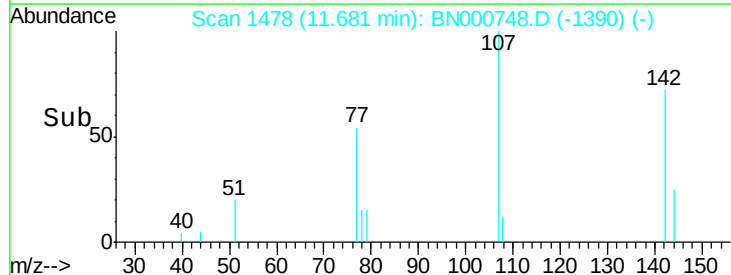
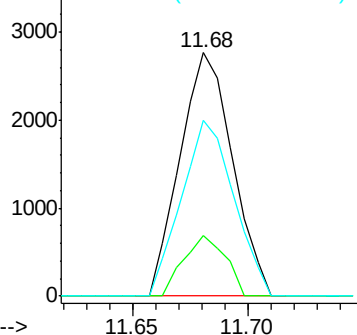
142 72.3 59.0 88.4

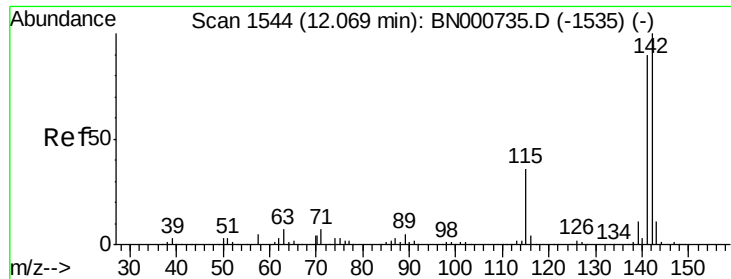


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

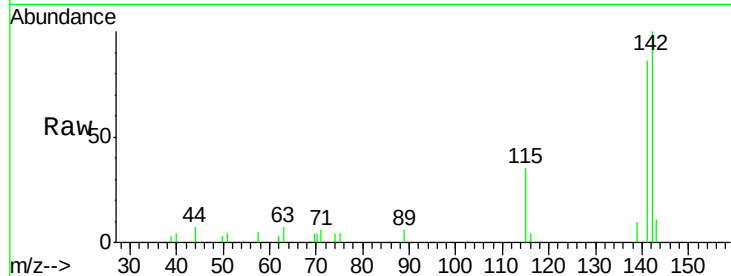




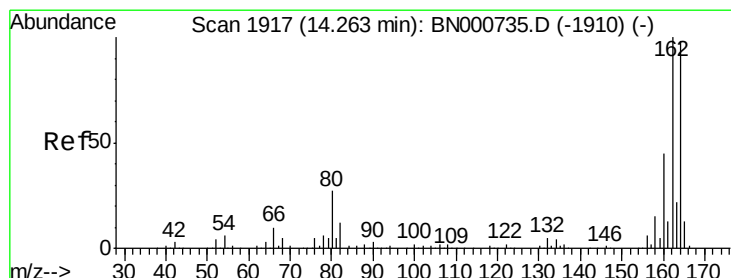
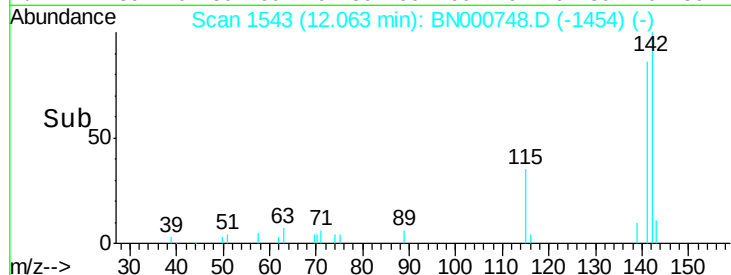
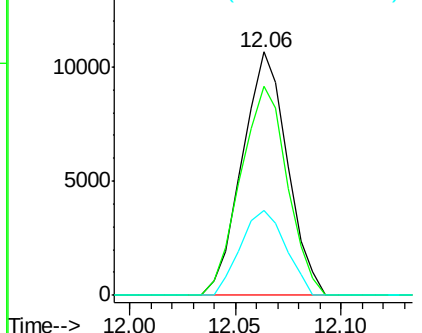
#37
2-Methylnaphthalene
Concen: 0.949 ng
RT: 12.06 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:142 Resp: 15837
Ion Ratio Lower Upper
142 100
141 85.6 67.1 100.7
115 34.8 30.7 46.1

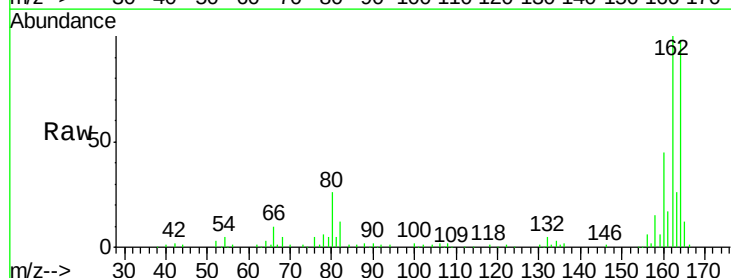


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

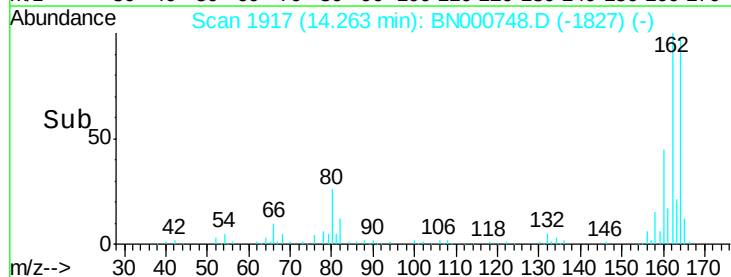
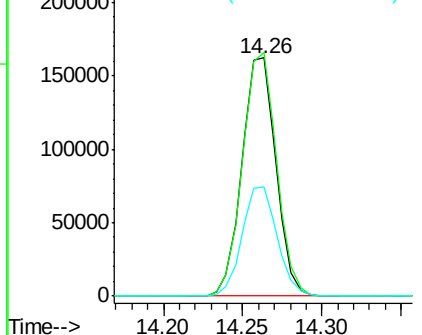


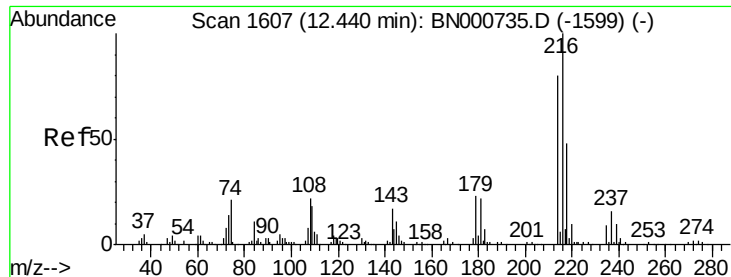
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:164 Resp: 241205
Ion Ratio Lower Upper
164 100
162 102.3 78.8 118.2
160 45.8 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: 1.030 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 7707

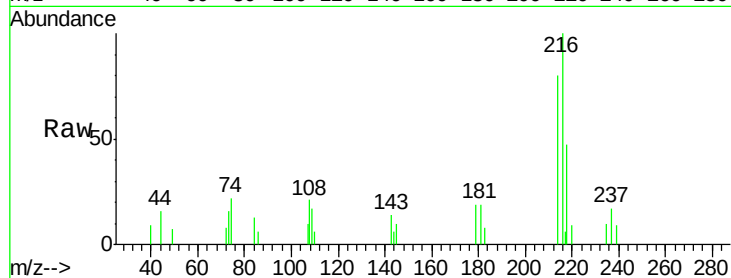
Ion Ratio Lower Upper

216 100

214 78.7 63.0 94.4

179 19.9 17.0 25.6

108 21.9 12.8 19.2#

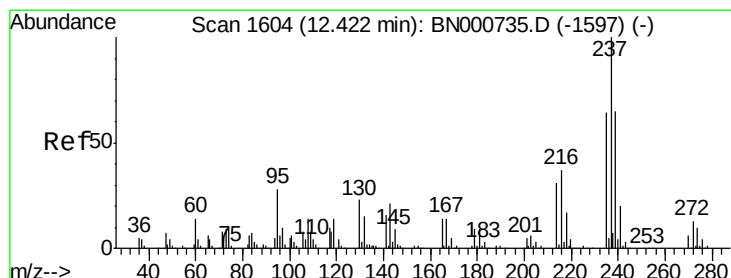
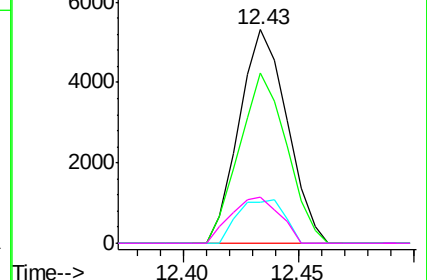
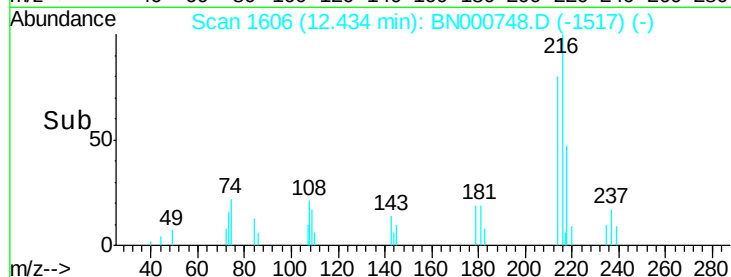


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 0.774 ng

RT: 12.42 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

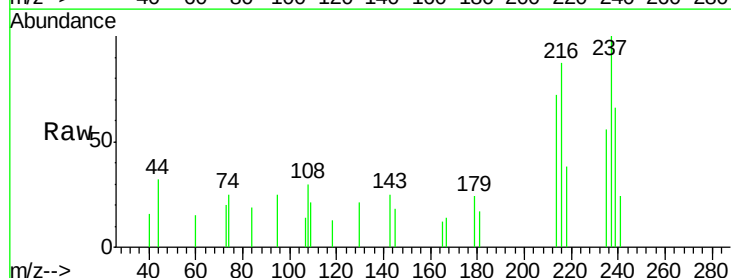
Tgt Ion:237 Resp: 3396

Ion Ratio Lower Upper

237 100

235 56.3 50.4 90.4

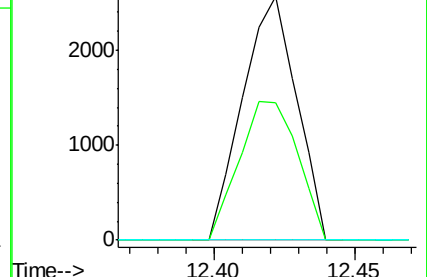
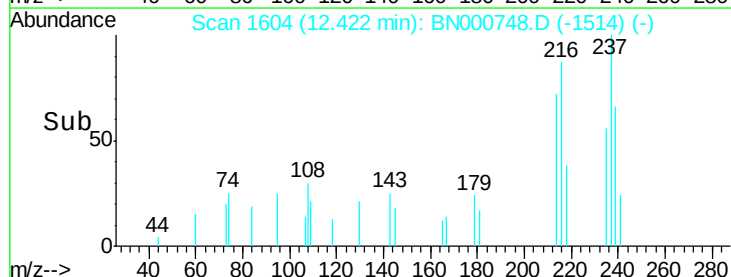
272 0.0 0.0 31.8

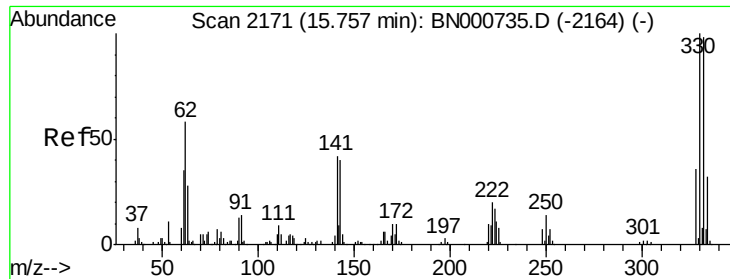


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

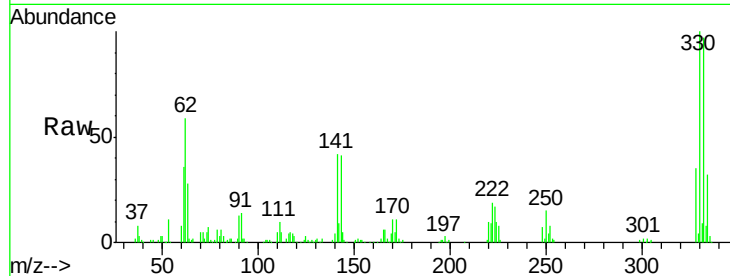




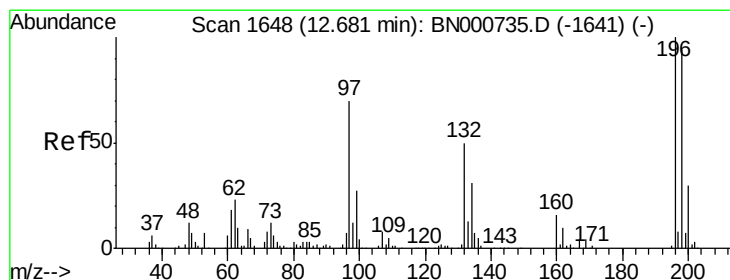
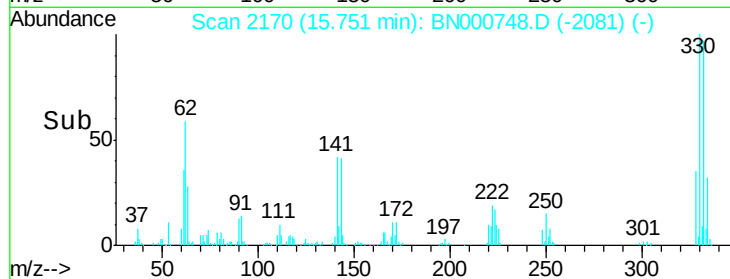
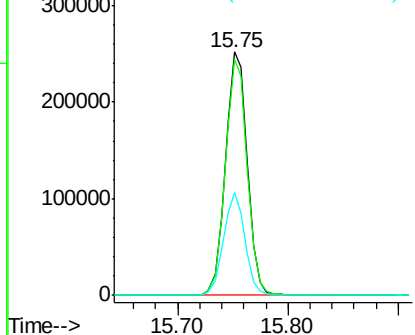
#41
 2,4,6-Tribromophenol
 Concen: 143.633 ng
 RT: 15.75 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

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

Tot Ion:330 Resp: 348774
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 41.4 25.2 37.8#

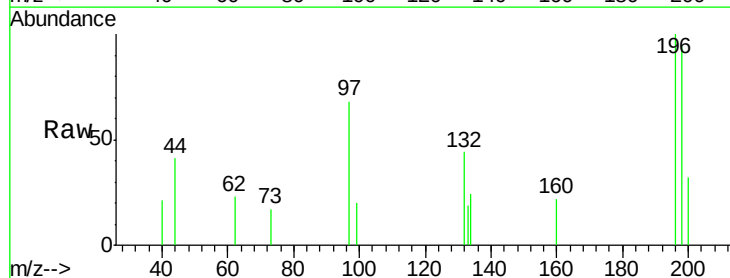


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

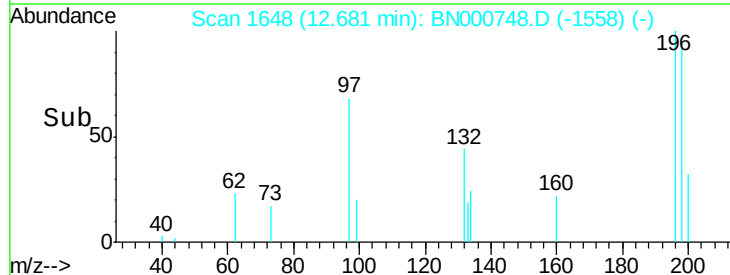
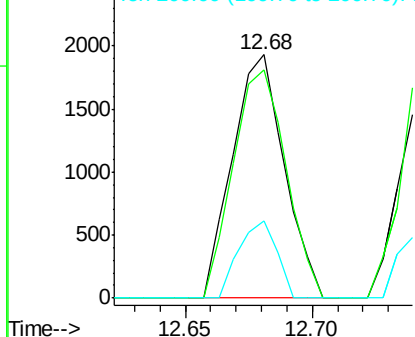


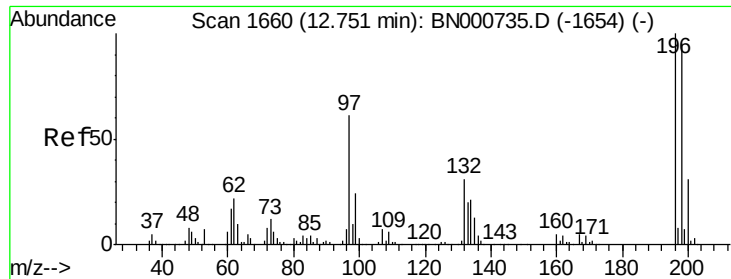
#42
 2,4,6-Trichlorophenol
 Concen: 0.606 ng
 RT: 12.68 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:196 Resp: 2748
 Ion Ratio Lower Upper
 196 100
 198 93.9 78.2 117.2
 200 31.9 24.6 36.8



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

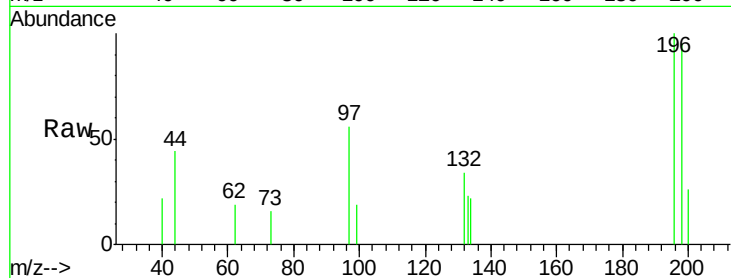




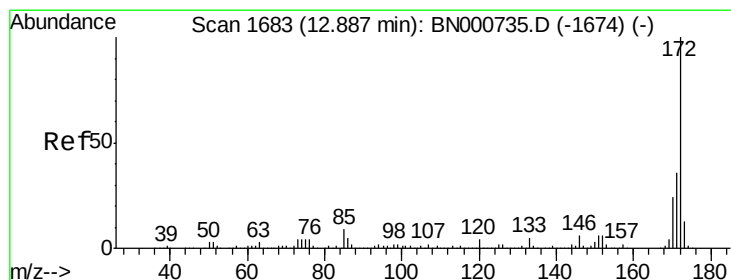
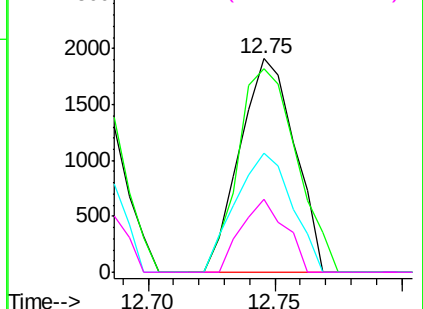
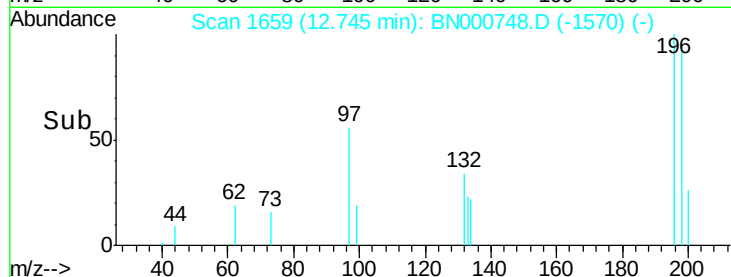
#43
2,4,5-Trichlorophenol
Concen: 0.551 ng
RT: 12.75 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:196 Resp: 2890
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.4
97 55.9 38.7 58.1
132 34.1 20.2 30.2#

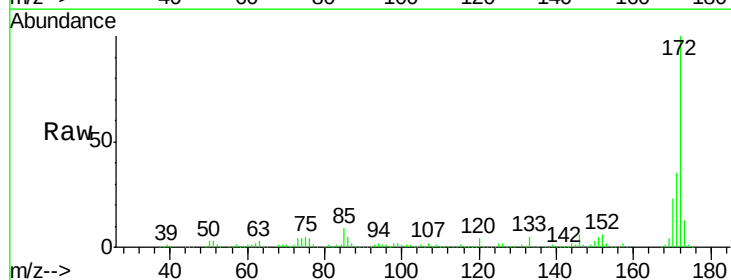


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BNC
Ion 132.00 (131.70 to 132.70): E

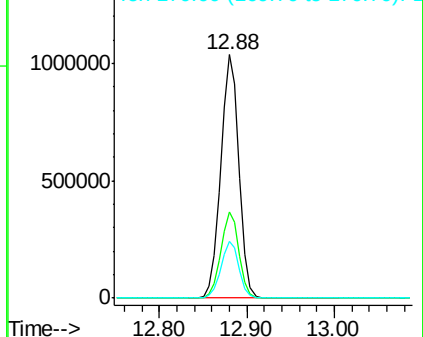
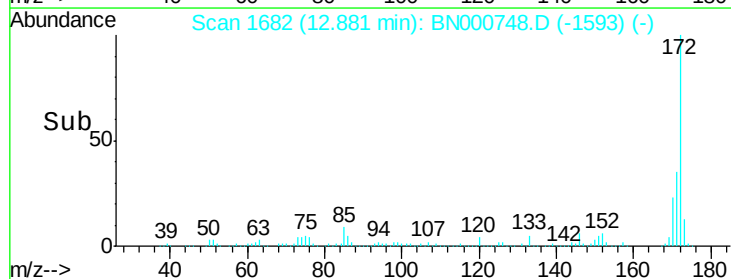


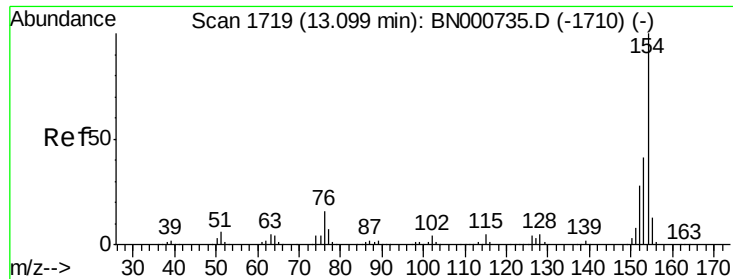
#44
2-Fluorobiphenyl
Concen: 85.209 ng
RT: 12.88 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:172 Resp: 1488842
Ion Ratio Lower Upper
172 100
171 35.3 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: 1.186 ng

RT: 13.09 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

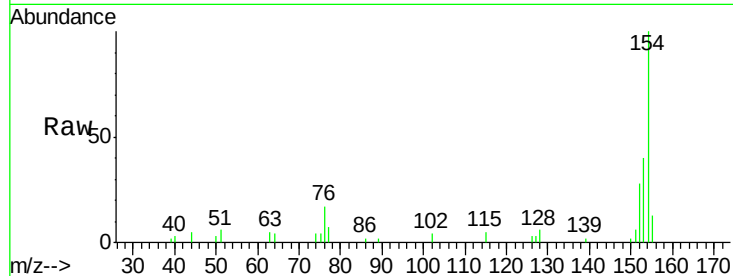
Tot Ion:154 Resp: 25614

Ion Ratio Lower Upper

154 100

153 39.8 19.8 59.8

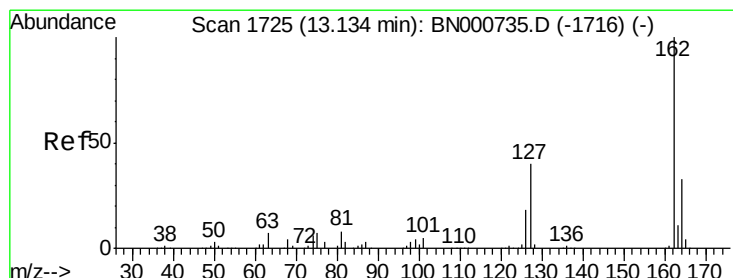
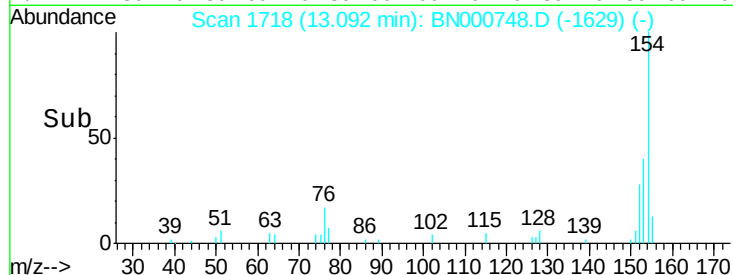
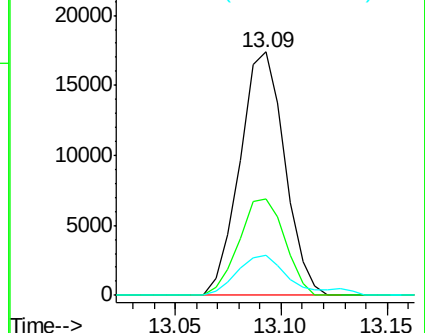
76 16.7 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#46

2-Chloronaphthalene

Concen: 1.045 ng

RT: 13.13 min Scan# 1724

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

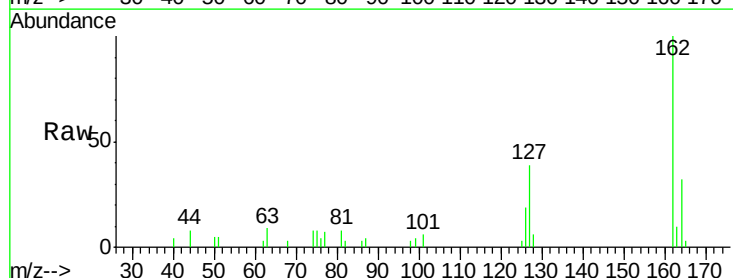
Tgt Ion:162 Resp: 16912

Ion Ratio Lower Upper

162 100

127 39.2 30.7 46.1

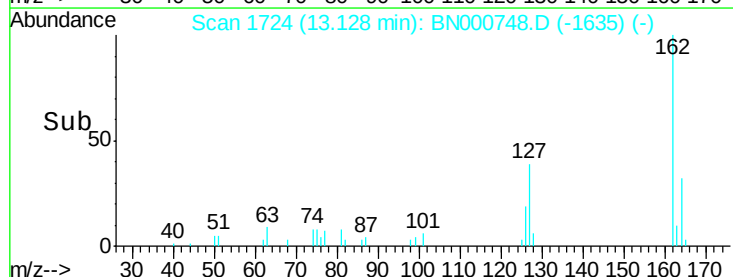
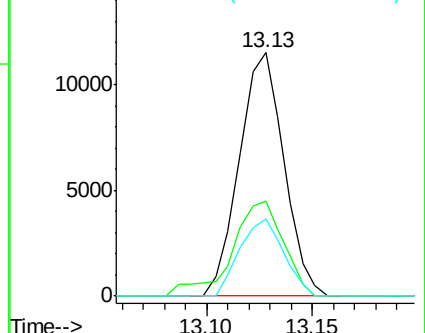
164 31.8 26.0 39.0

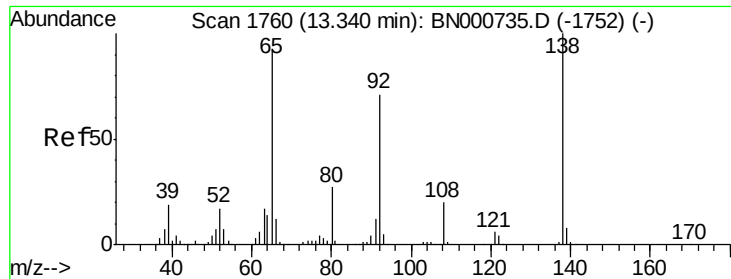


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

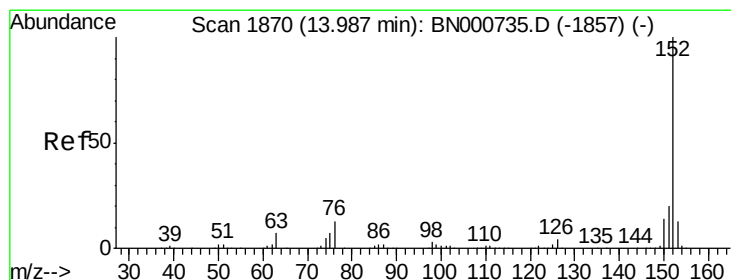
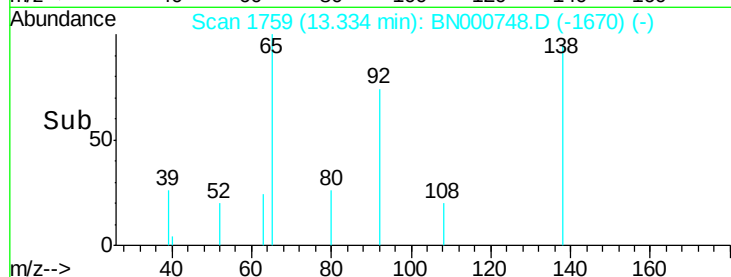
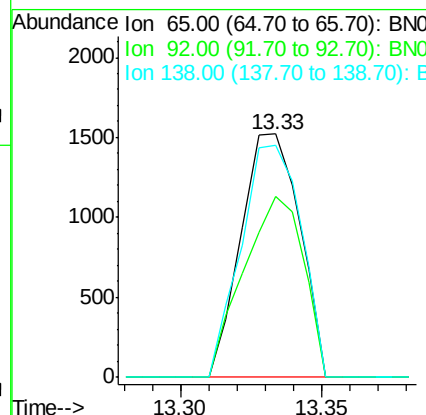
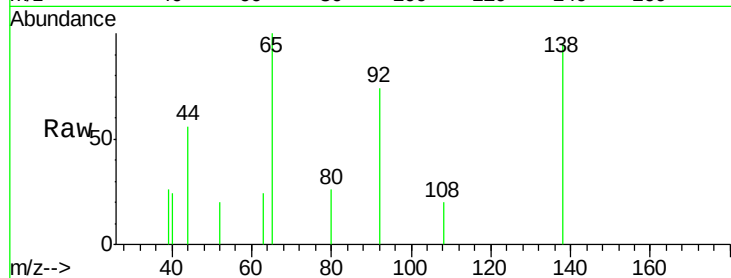




#47
 2-Nitroaniline
 Concen: 0.468 ng
 RT: 13.33 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

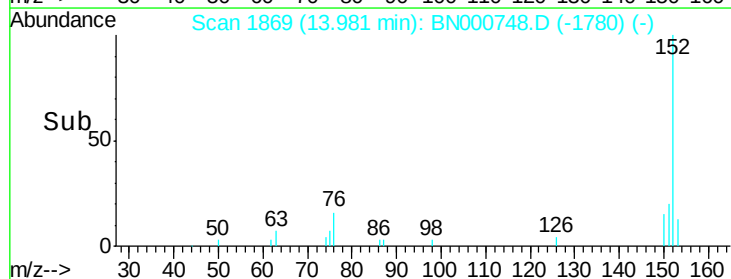
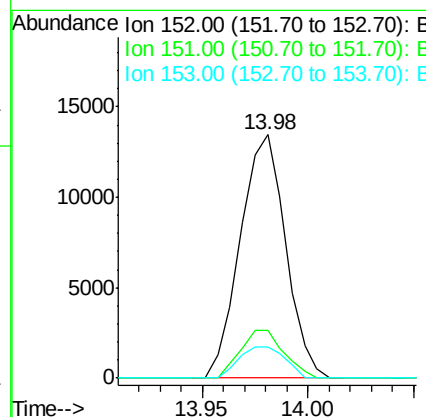
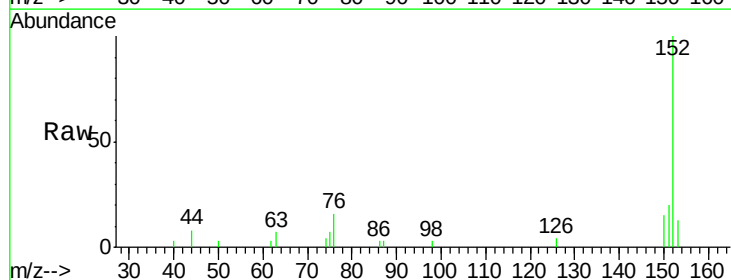
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

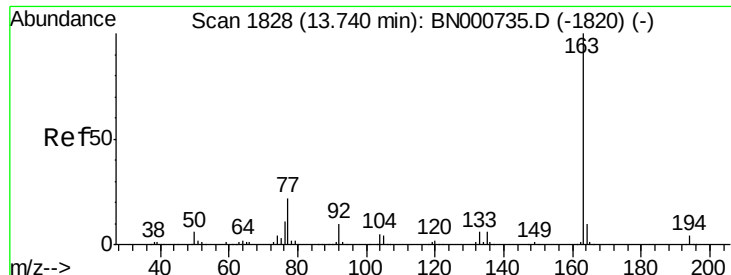
Tot Ion: 65 Resp: 2196
 Ion Ratio Lower Upper
 65 100
 92 74.1 54.6 82.0
 138 95.3 72.9 109.3



#48
 Acenaphthylene
 Concen: 0.780 ng
 RT: 13.98 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion: 152 Resp: 20014
 Ion Ratio Lower Upper
 152 100
 151 19.5 17.2 25.8
 153 12.5 10.2 15.4





#49

Dimethylphthalate

Concen: 0.831 ng

RT: 13.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

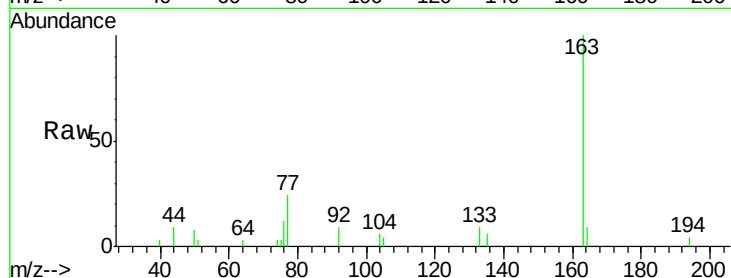
Tot Ion:163 Resp: 16016

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

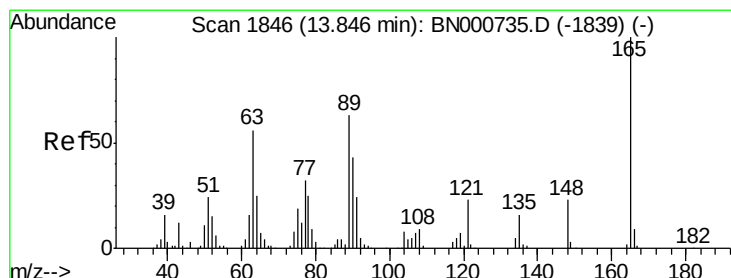
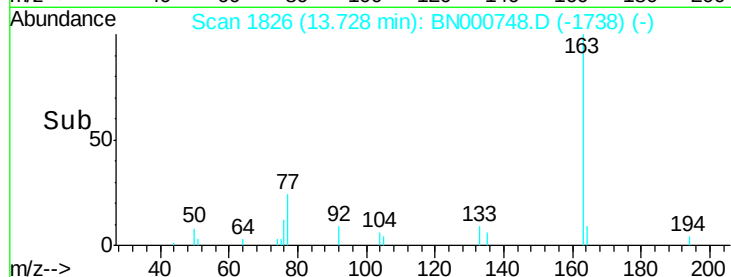
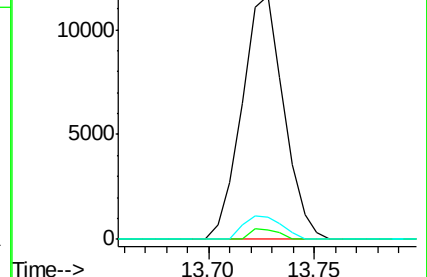
164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.434 ng

RT: 13.83 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

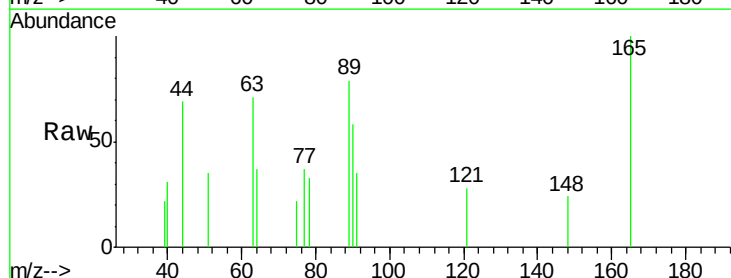
Tgt Ion:165 Resp: 1770

Ion Ratio Lower Upper

165 100

63 71.3 52.7 79.1

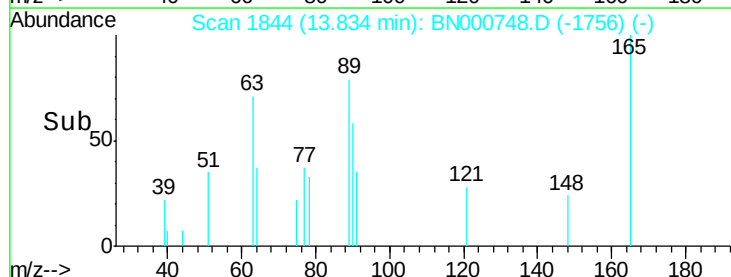
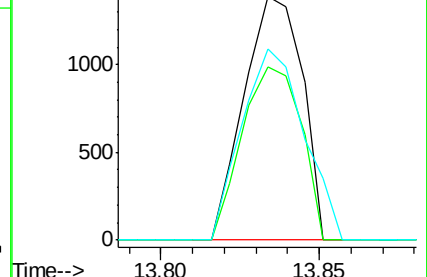
89 78.7 49.2 73.8#

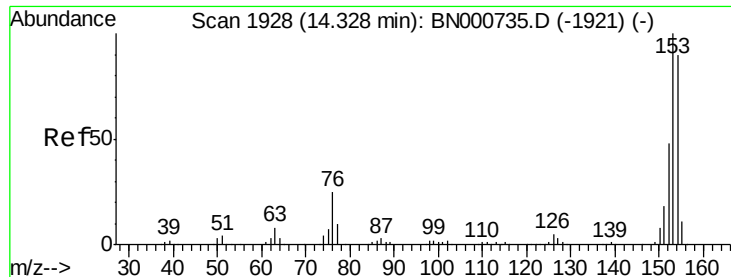


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 0.993 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

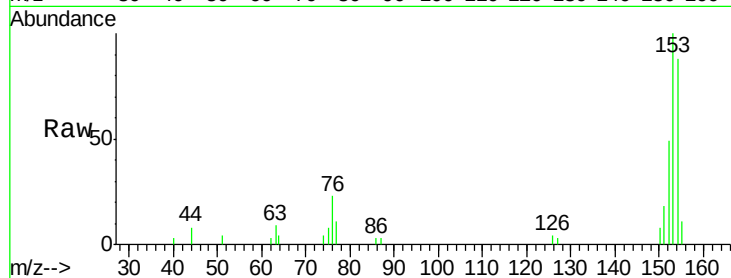
Tot Ion:154 Resp: 15530

Ion Ratio Lower Upper

154 100

153 113.1 90.4 135.6

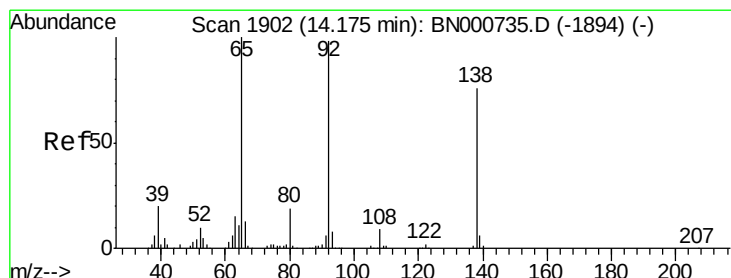
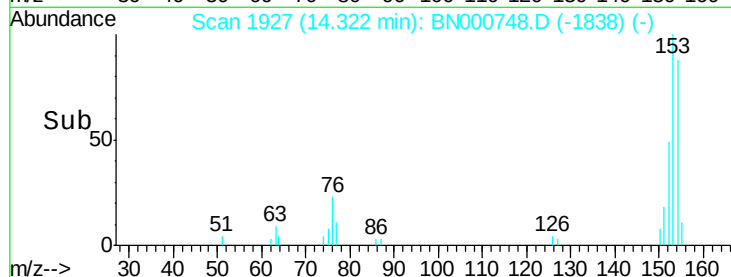
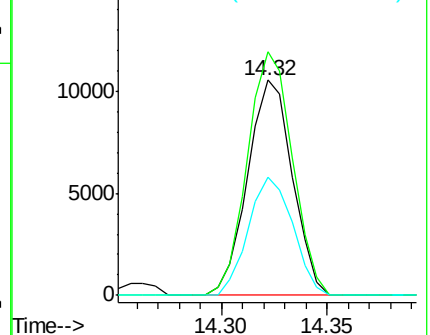
152 55.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.425 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

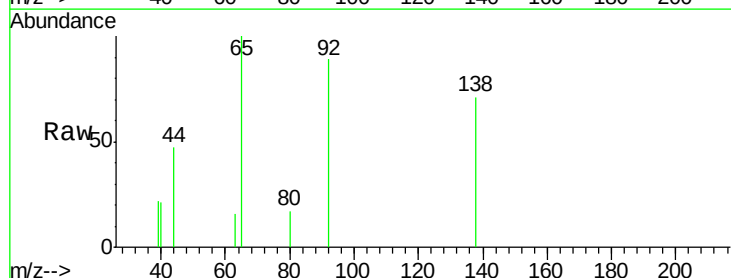
Tgt Ion:138 Resp: 1974

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

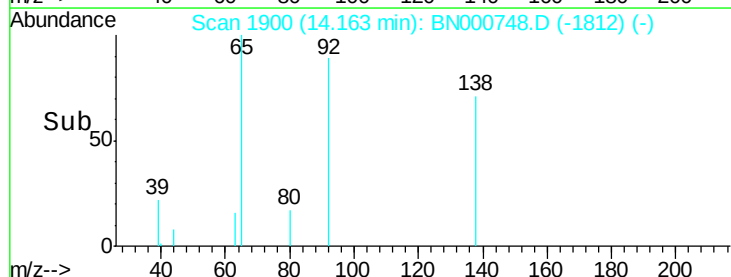
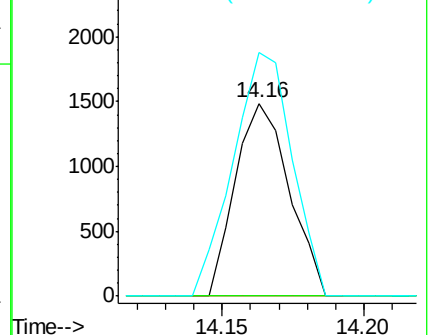
92 126.2 105.8 158.8

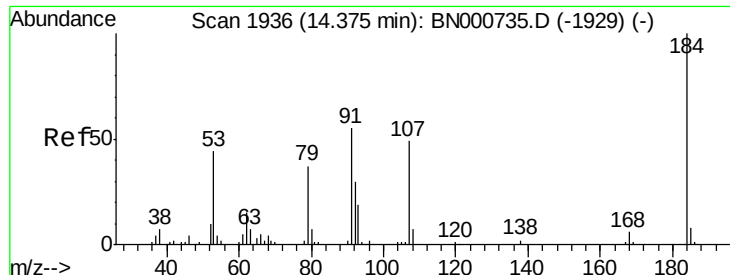


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#53

2,4-Dinitrophenol

Concen: 5.791 ng

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

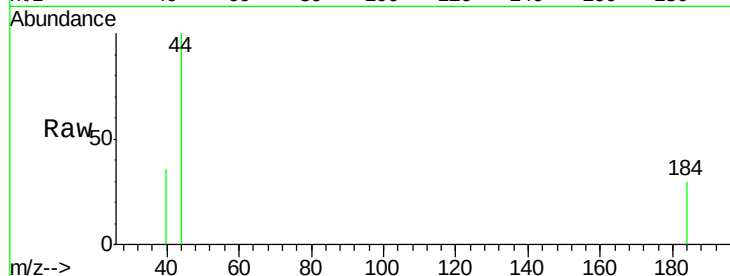
Tot Ion:184 Resp: 222

Ion Ratio Lower Upper

184 100

63 0.0 56.0 84.0#

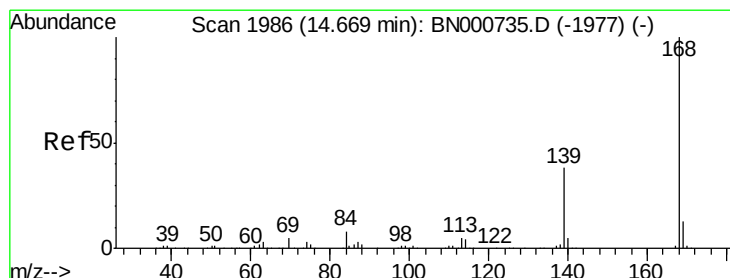
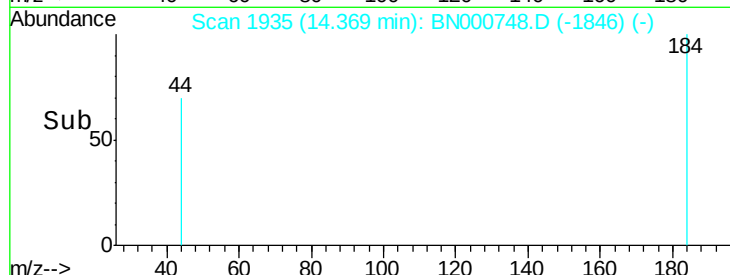
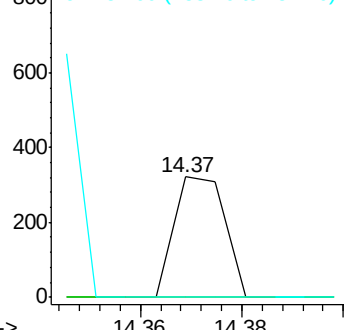
154 0.0 48.0 72.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.025 ng

RT: 14.66 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

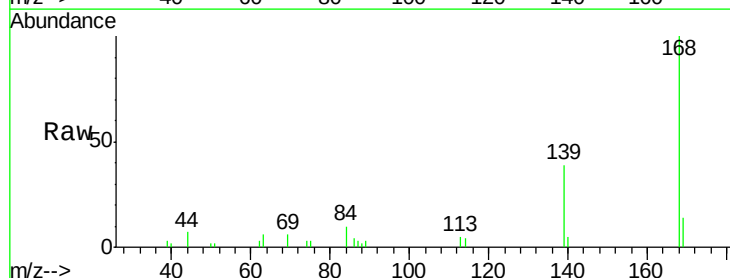
Tgt Ion:168 Resp: 23327

Ion Ratio Lower Upper

168 100

139 38.8 28.6 43.0

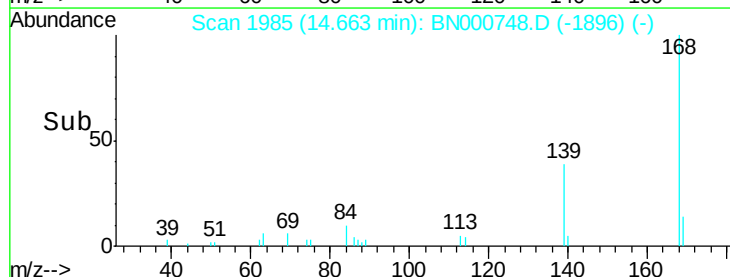
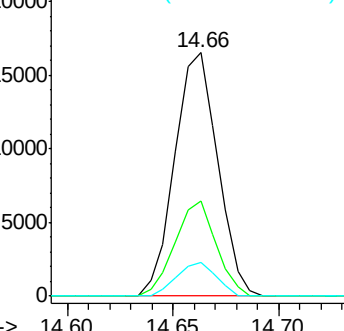
169 13.7 11.2 16.8

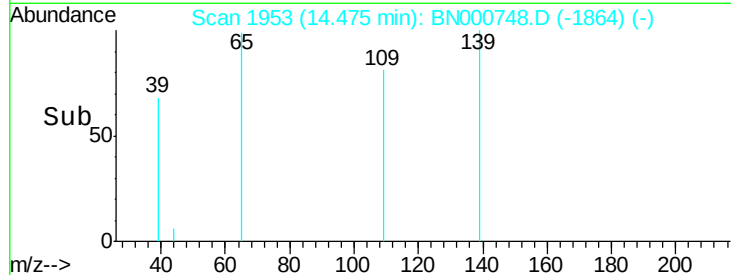
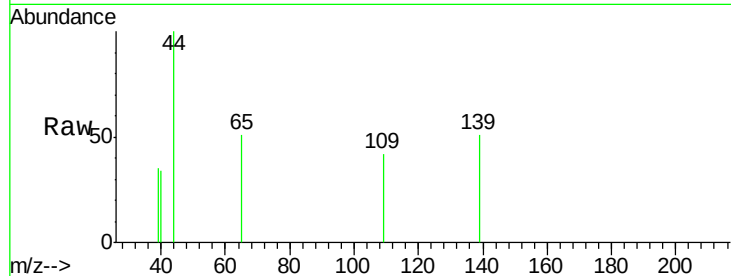
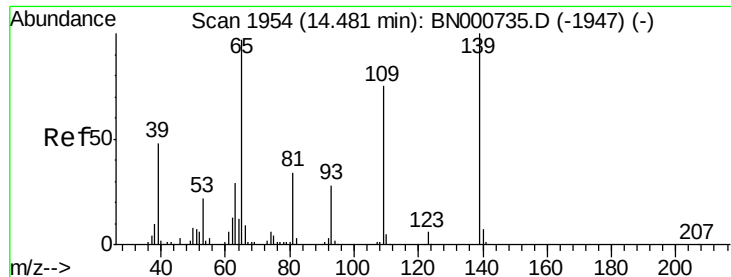


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

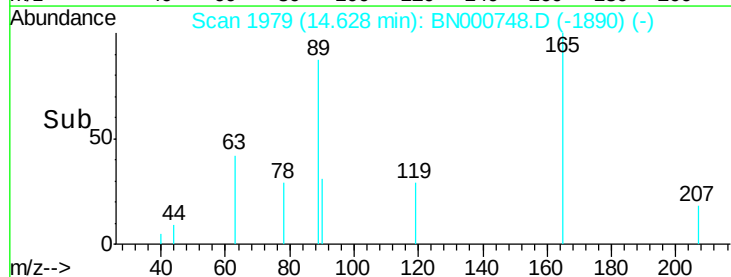
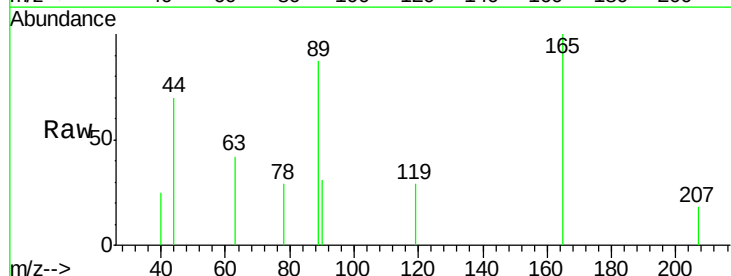
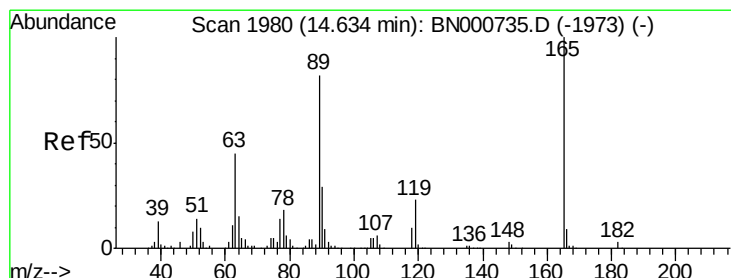
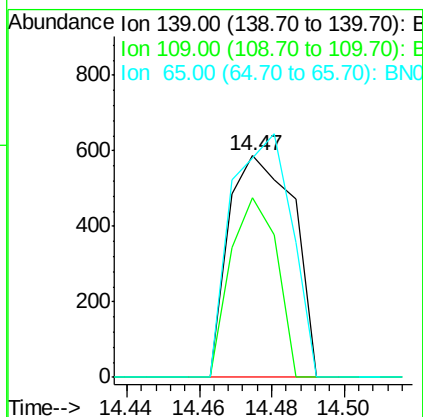




#55
4-Nitrophenol
Concen: 0.212 ng
RT: 14.47 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

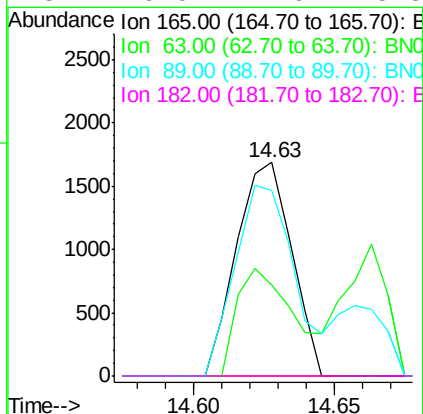
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

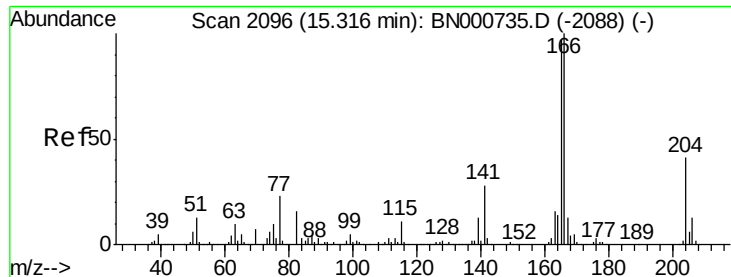
Tot Ion:139 Resp: 730
Ion Ratio Lower Upper
139 100
109 81.1 62.2 102.2
65 99.1 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 0.429 ng
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:165 Resp: 2292
Ion Ratio Lower Upper
165 100
63 42.4 42.0 63.0
89 87.1 66.9 100.3
182 0.0 2.6 3.8#

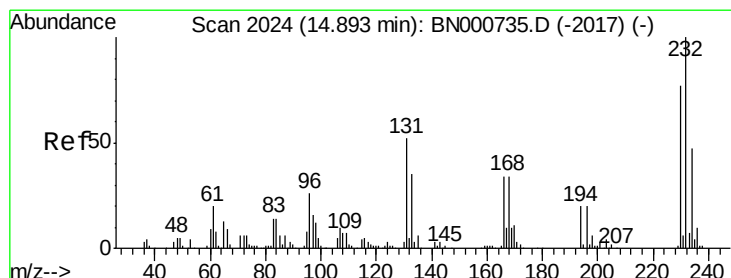
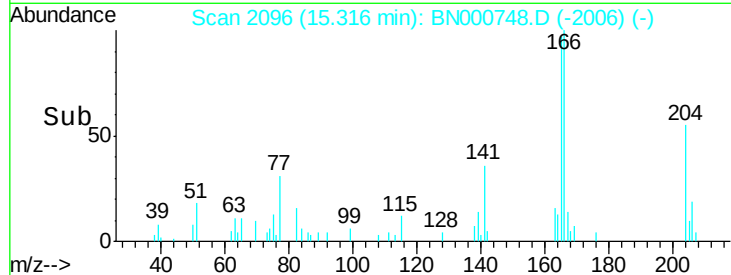
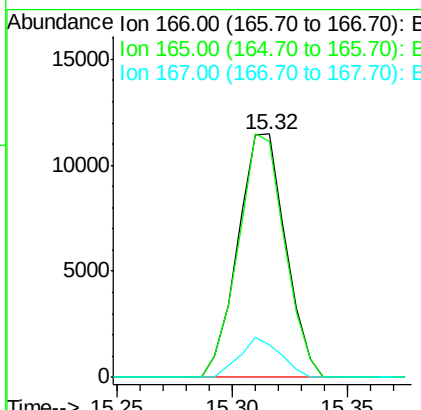
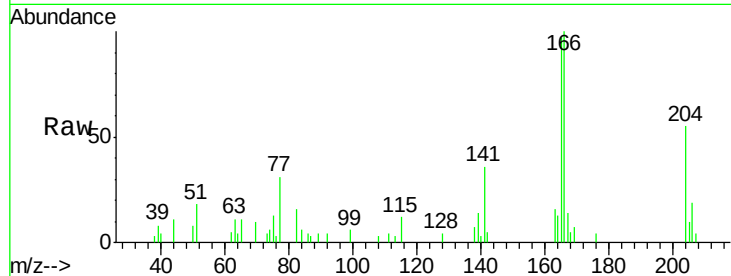




#57
 Fluorene
 Concen: 0.915 ng
 RT: 15.32 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

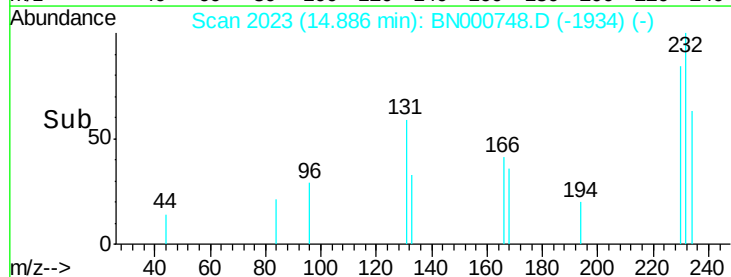
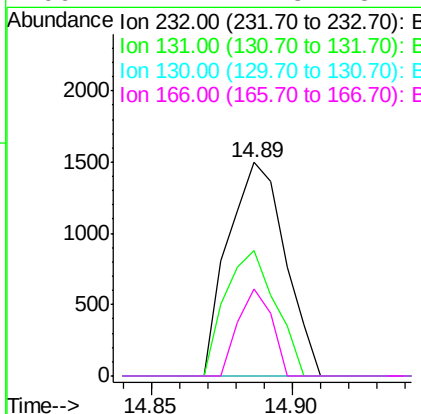
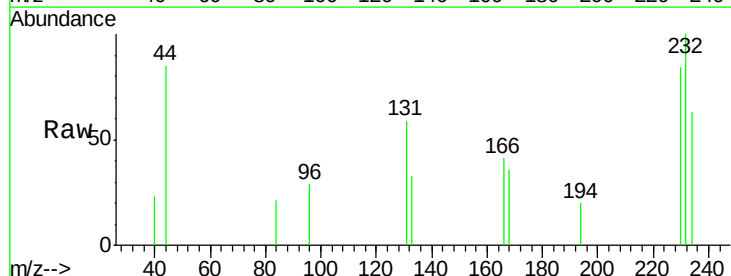
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

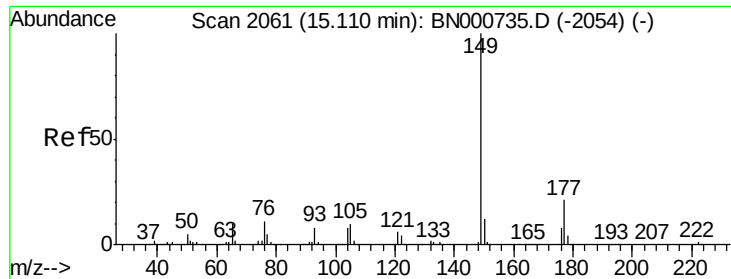
Tot Ion:166 Resp: 16467
 Ion Ratio Lower Upper
 166 100
 165 97.2 80.6 121.0
 167 13.5 10.4 15.6



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.521 ng
 RT: 14.89 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:232 Resp: 2100
 Ion Ratio Lower Upper
 232 100
 131 51.4 33.5 50.3#
 130 0.0 2.2 3.2#
 166 24.1 24.8 37.2#

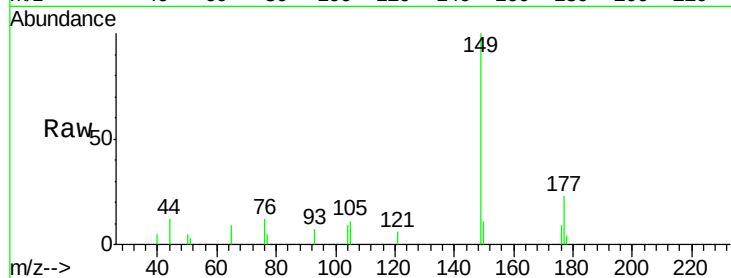




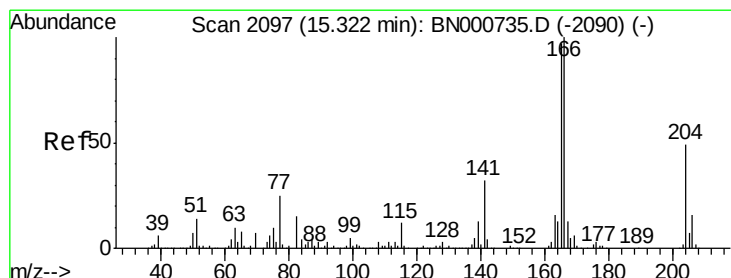
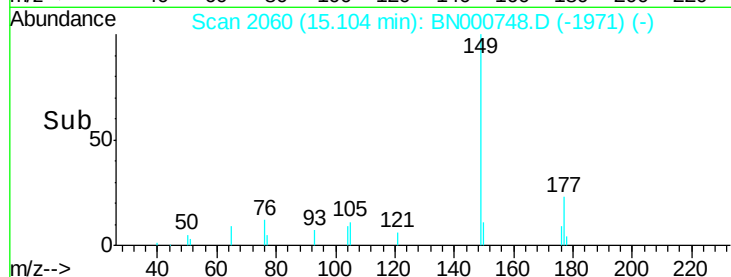
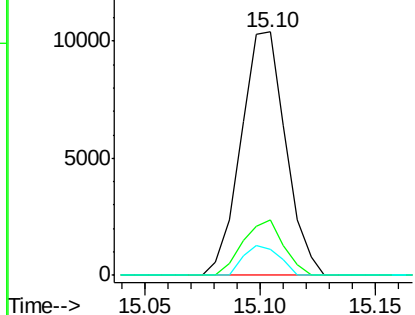
#59
Diethylphthalate
Concen: 0.735 ng
RT: 15.10 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:149 Resp: 14036
Ion Ratio Lower Upper
149 100
177 23.0 18.5 27.7
150 10.7 10.2 15.2

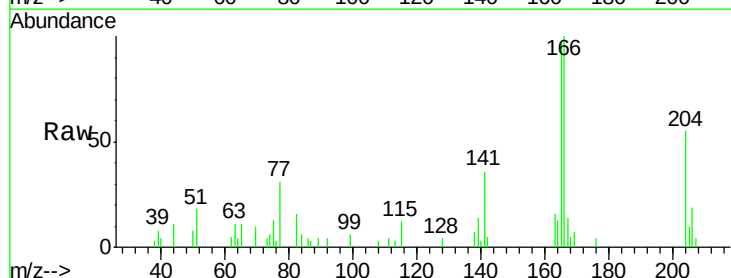


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

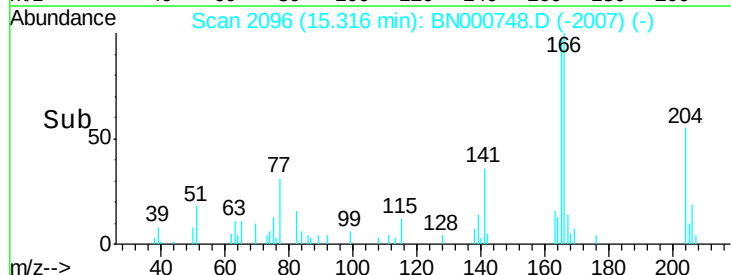
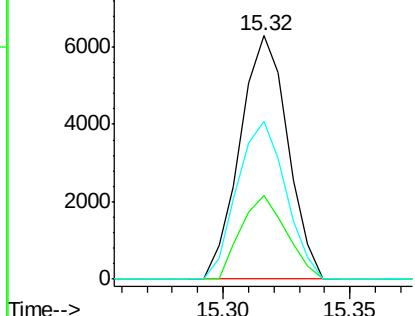


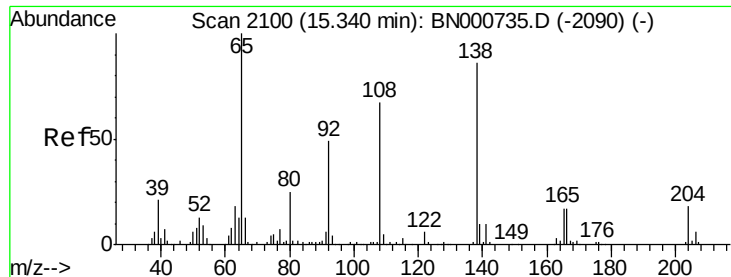
#60
4-Chlorophenyl-phenylether
Concen: 0.984 ng
RT: 15.32 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:204 Resp: 8278
Ion Ratio Lower Upper
204 100
206 34.4 26.2 39.2
141 65.0 45.8 68.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

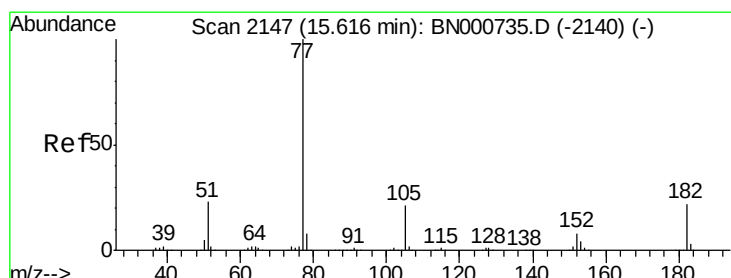
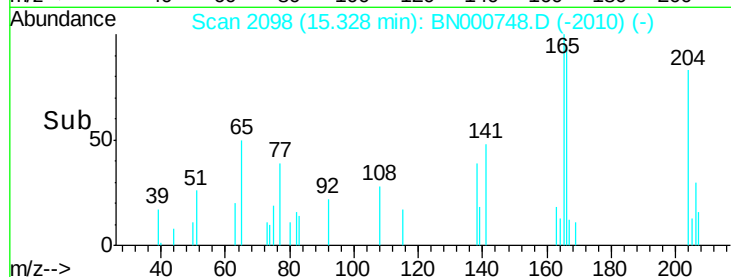
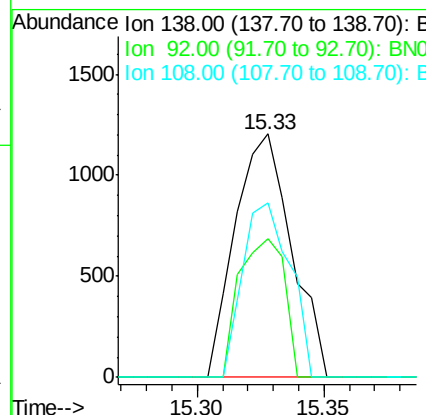
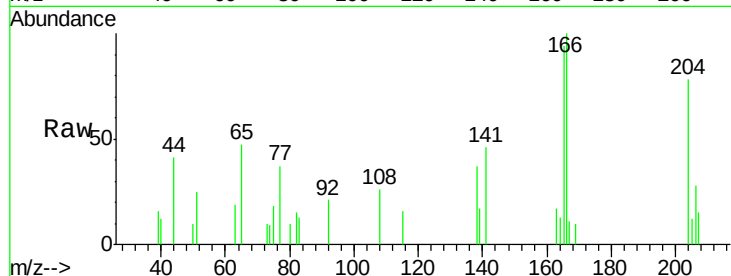




#61
4-Nitroaniline
Concen: 0.408 ng
RT: 15.33 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

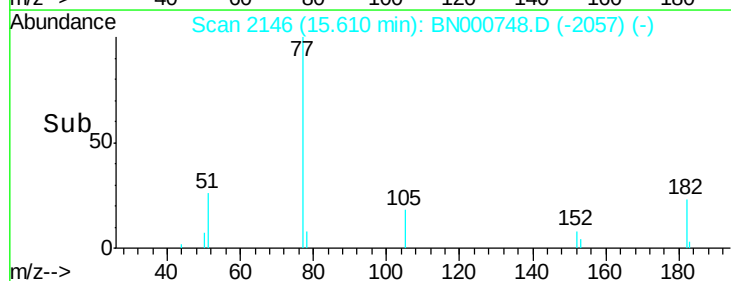
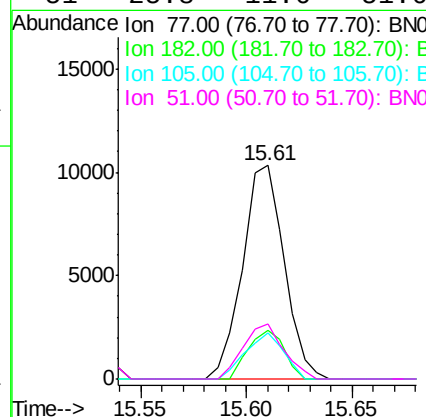
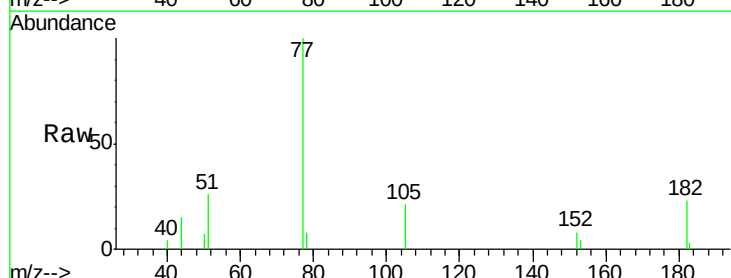
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

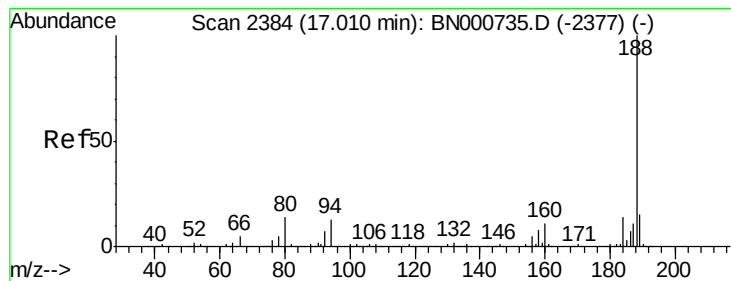
Tot Ion:138 Resp: 1866
Ion Ratio Lower Upper
138 100
92 57.0 40.1 80.1
108 71.5 65.4 105.4



#62
Azobenzene
Concen: 0.690 ng
RT: 15.61 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion: 77 Resp: 14124
Ion Ratio Lower Upper
77 100
182 22.9 7.4 47.4
105 21.5 0.3 40.3
51 25.8 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

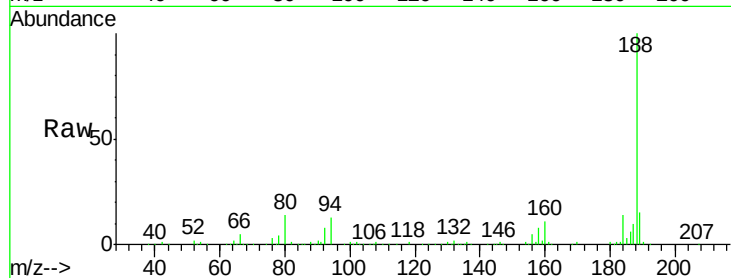
Tot Ion:188 Resp: 482203

Ion Ratio Lower Upper

188 100

94 12.9 6.9 10.3#

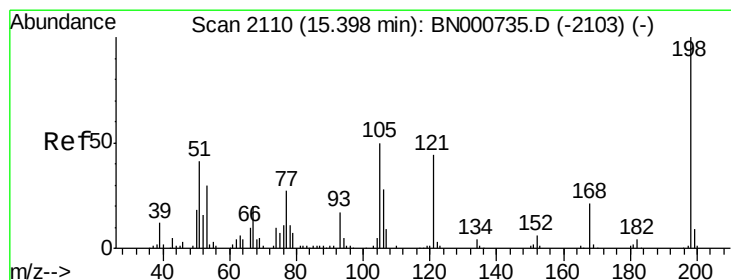
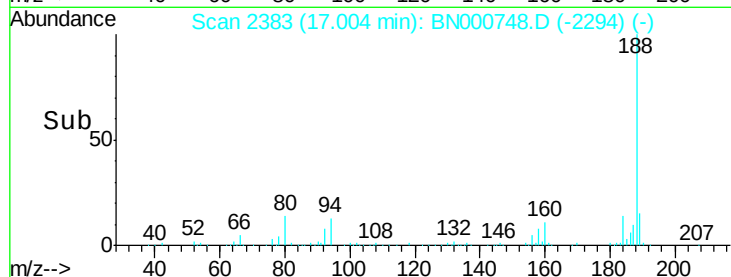
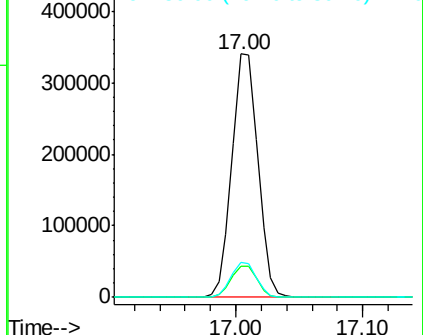
80 14.4 7.7 11.5#



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: 0.241 ng

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

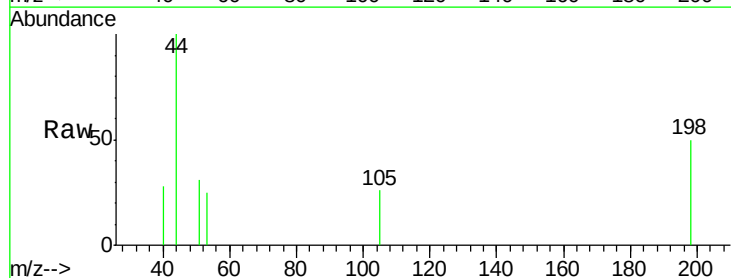
Tgt Ion:198 Resp: 719

Ion Ratio Lower Upper

198 100

51 61.8 30.6 70.6

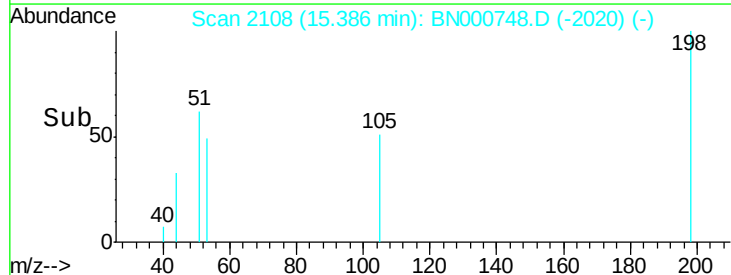
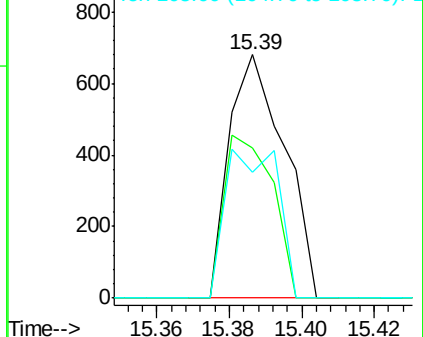
105 51.5 23.8 63.8

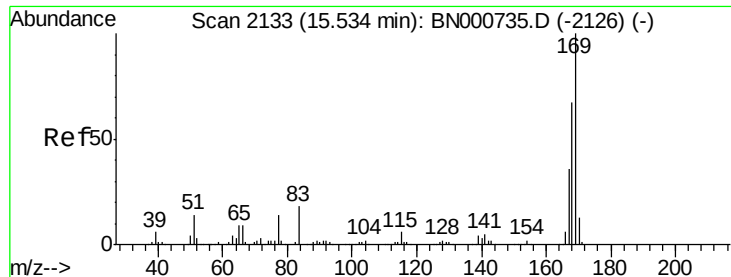


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

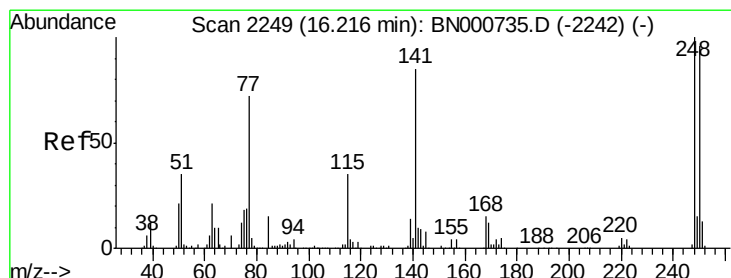
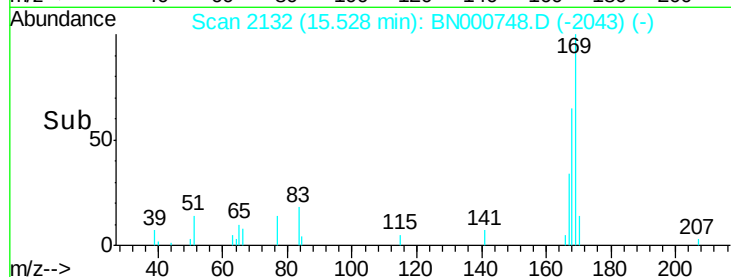
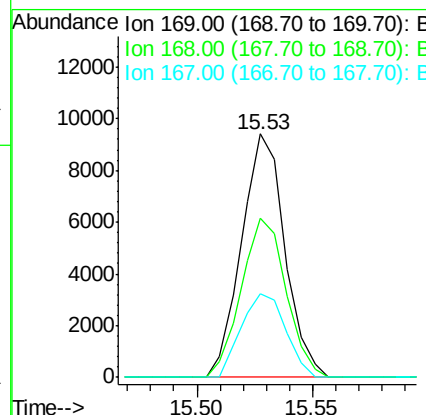
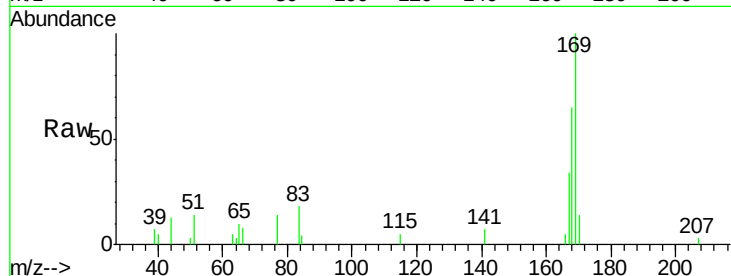




#65
 n-Nitrosodiphenylamine
 Concen: 0.760 ng
 RT: 15.53 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

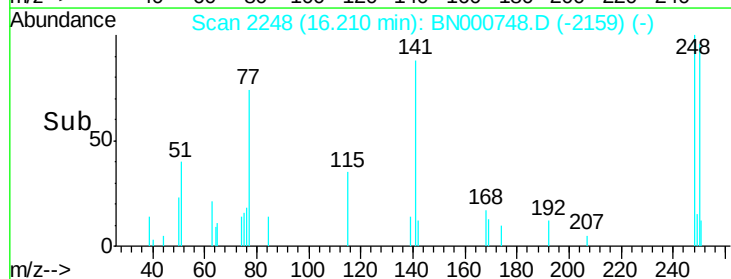
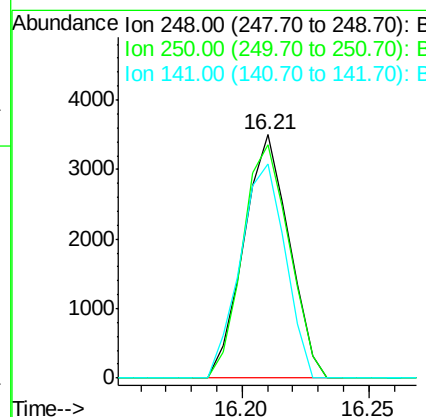
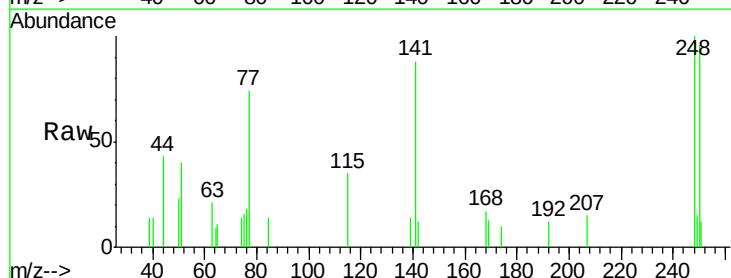
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

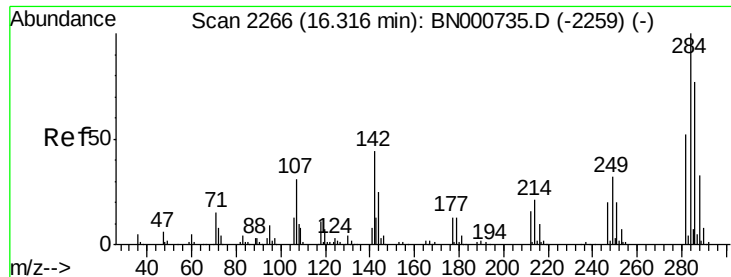
Tot Ion:169 Resp: 12311
 Ion Ratio Lower Upper
 169 100
 168 65.4 55.7 83.5
 167 34.3 30.1 45.1



#66
 4-Bromophenyl-phenylether
 Concen: 0.891 ng
 RT: 16.21 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:248 Resp: 4363
 Ion Ratio Lower Upper
 248 100
 250 95.6 77.1 115.7
 141 87.9 50.8 76.2#

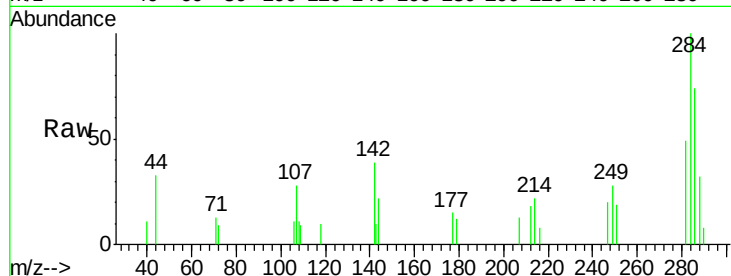




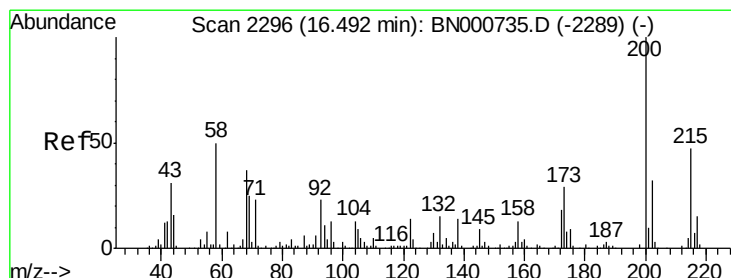
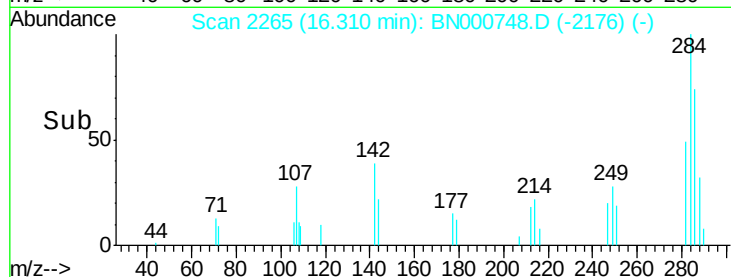
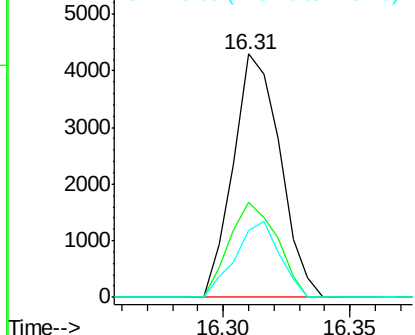
#67
Hexachlorobenzene
Concen: 0.975 ng
RT: 16.31 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:284 Resp: 5533
Ion Ratio Lower Upper
284 100
142 39.1 26.8 40.2
249 27.7 26.3 39.5

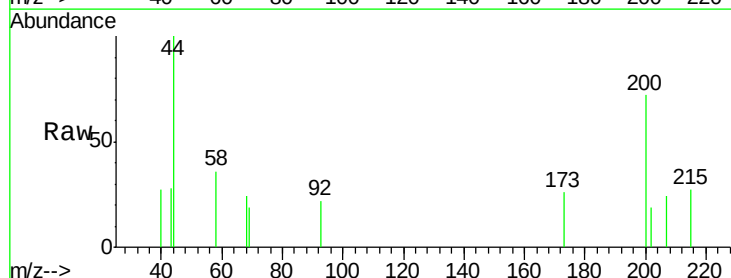


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

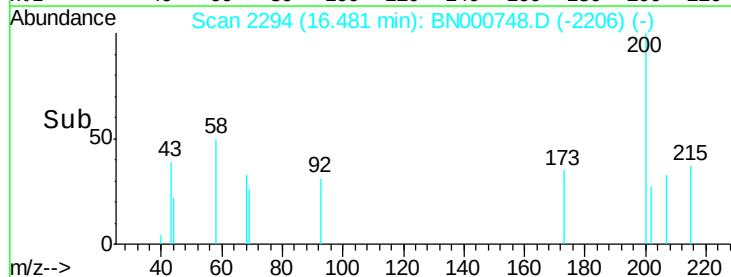
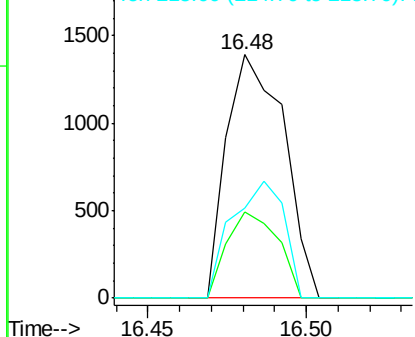


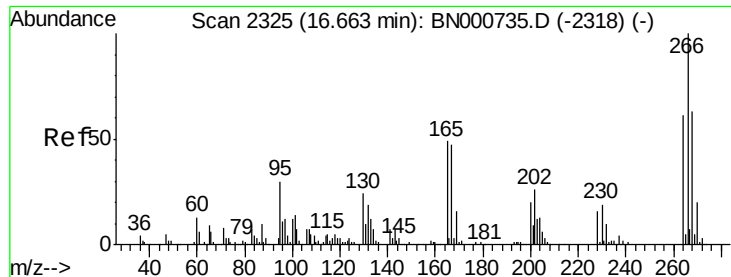
#68
Atrazine
Concen: 0.399 ng
RT: 16.48 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:200 Resp: 1749
Ion Ratio Lower Upper
200 100
173 35.4 5.2 45.2
215 36.8 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: 0.414 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

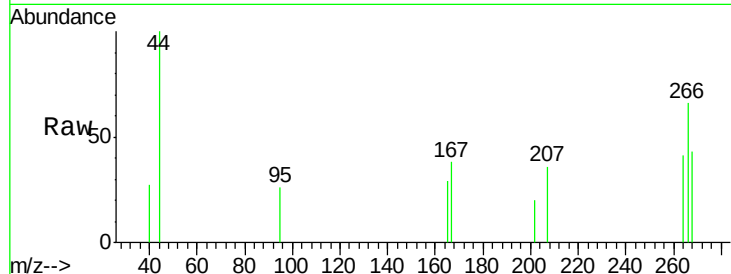
Tot Ion:266 Resp: 1517

Ion Ratio Lower Upper

266 100

268 65.3 51.1 76.7

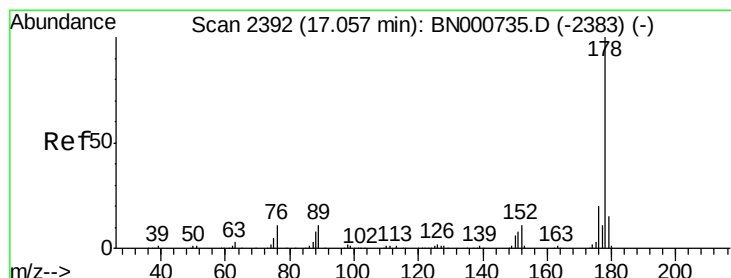
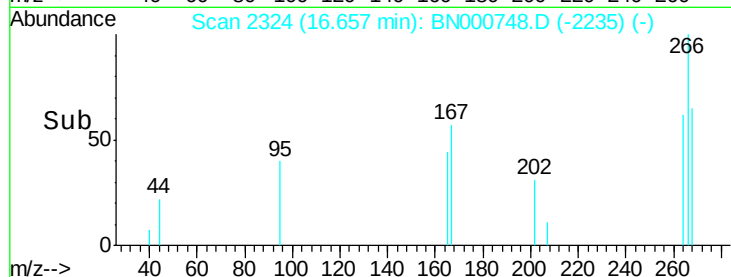
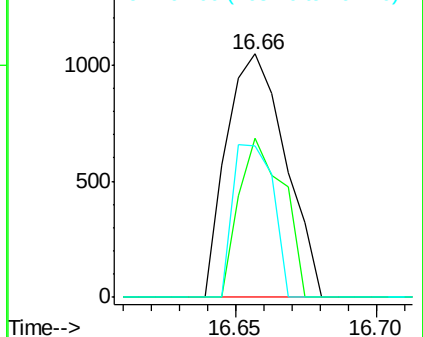
264 62.3 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 1.034 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

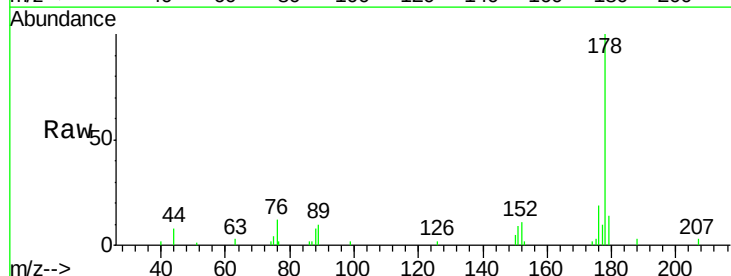
Tgt Ion:178 Resp: 28870

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

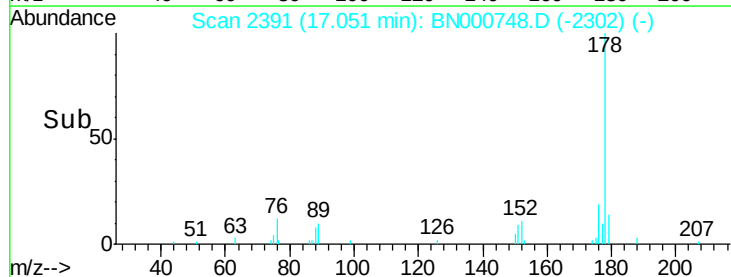
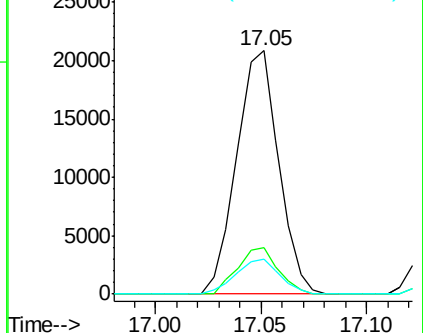
179 14.1 12.5 18.7

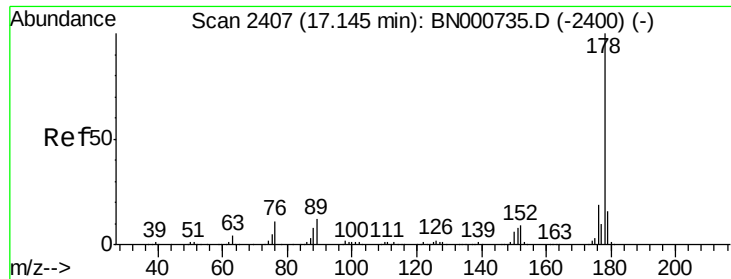


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

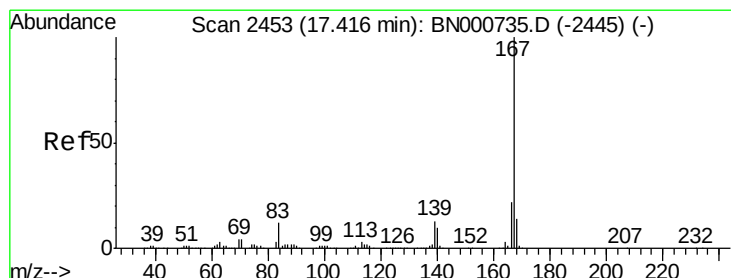
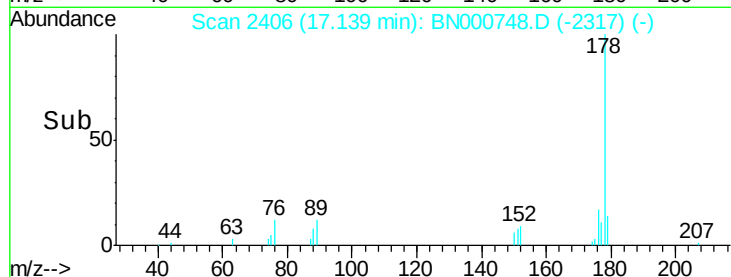
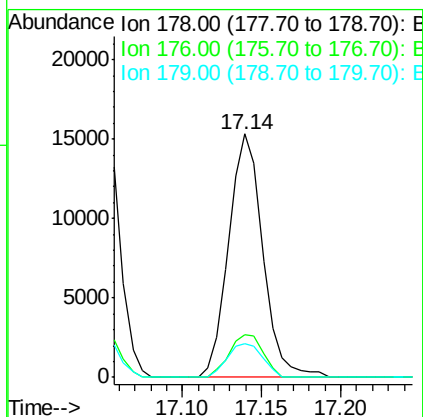
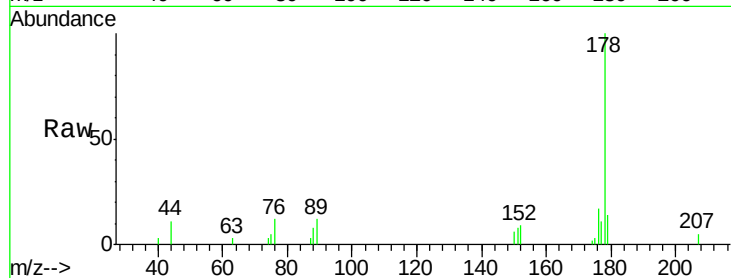




#71
 Anthracene
 Concen: 0.836 ng
 RT: 17.14 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

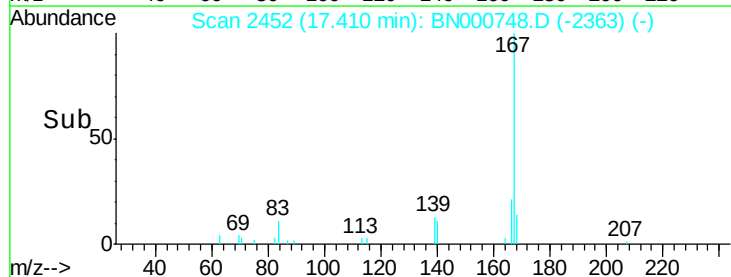
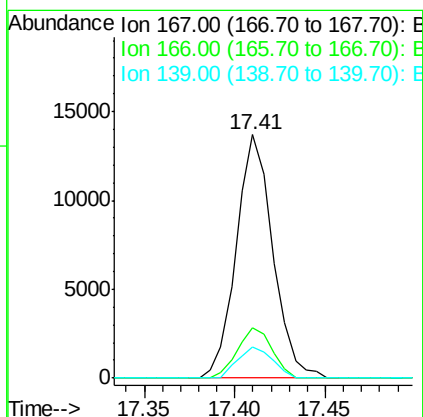
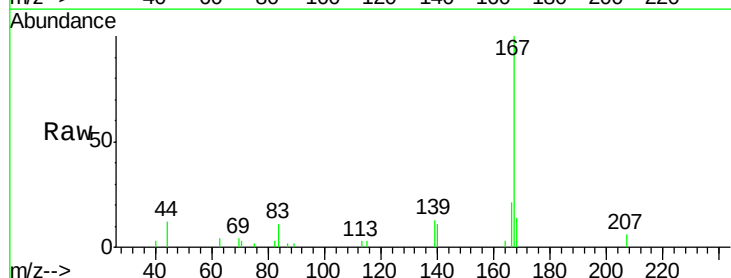
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

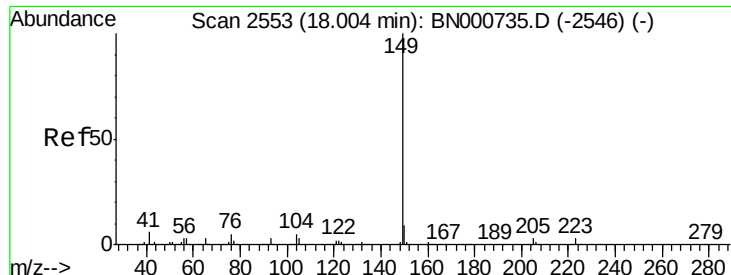
Tot Ion:178 Resp: 22863
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.0 24.0
 179 13.8 12.5 18.7



#72
 Carbazole
 Concen: 0.747 ng
 RT: 17.41 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:167 Resp: 19194
 Ion Ratio Lower Upper
 167 100
 166 20.8 18.2 27.4
 139 12.7 9.4 14.2





#73

Di-n-butylphthalate

Concen: 0.531 ng

RT: 18.00 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

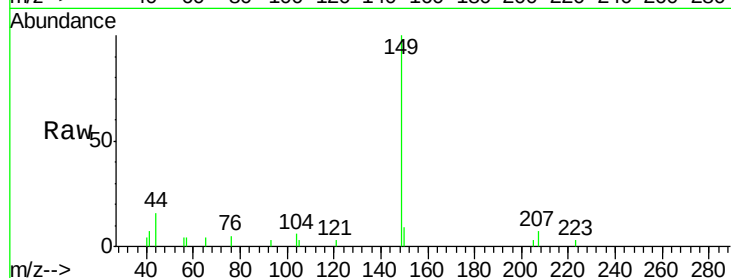
Tot Ion:149 Resp: 15538

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

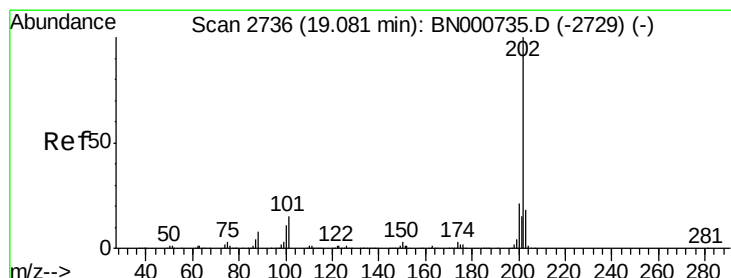
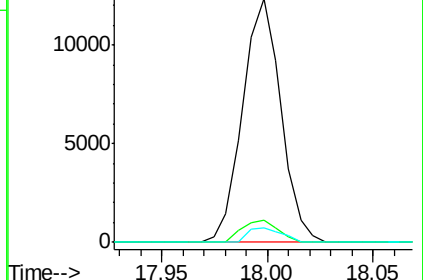
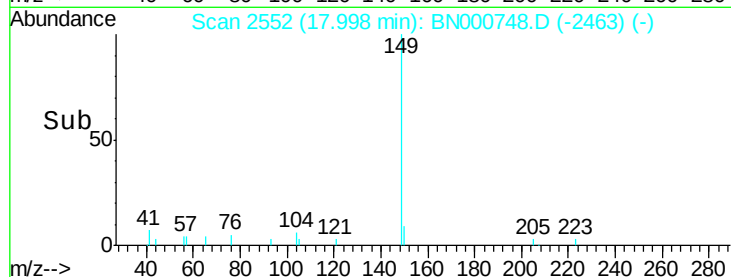
104 6.1 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.819 ng

RT: 19.07 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

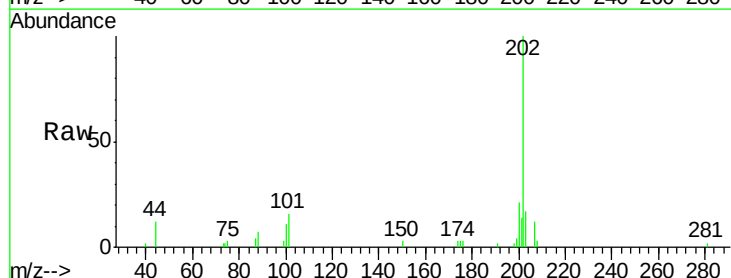
Tgt Ion:202 Resp: 23063

Ion Ratio Lower Upper

202 100

101 15.7 0.0 28.9

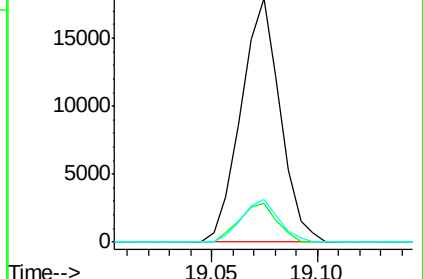
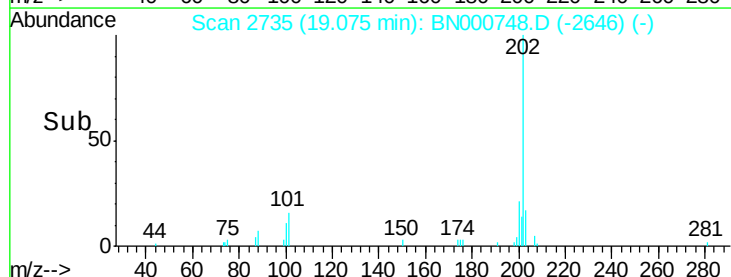
203 17.4 0.0 37.5

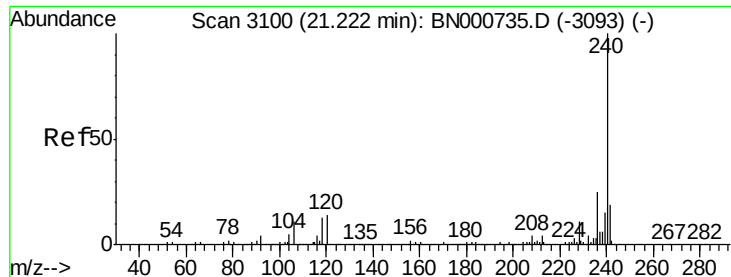


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

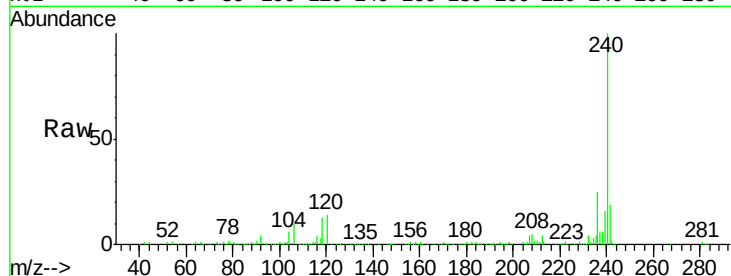
Tot Ion:240 Resp: 443428

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

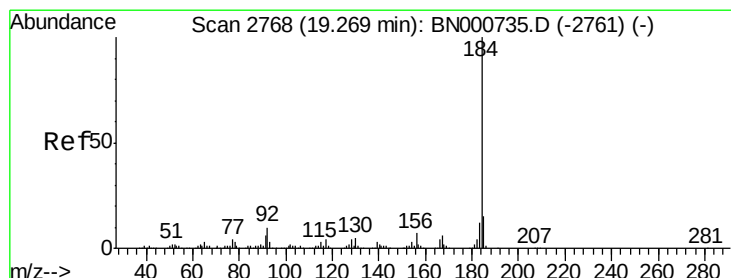
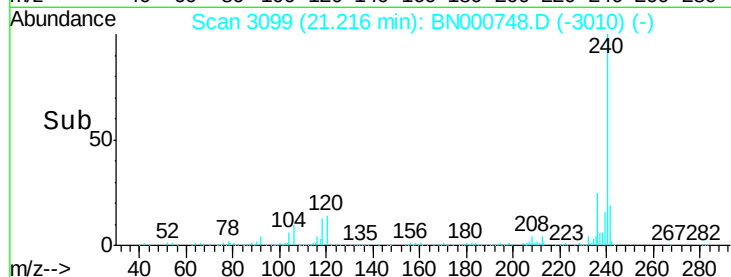
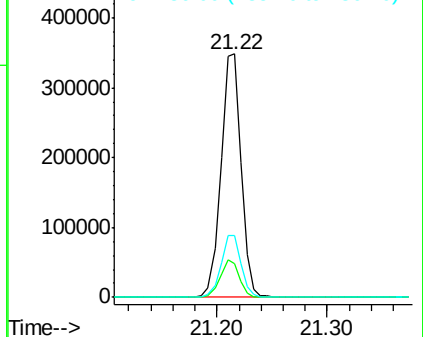
236 25.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.258 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

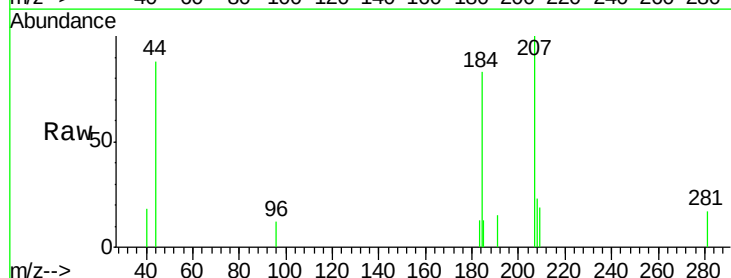
Tgt Ion:184 Resp: 3094

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

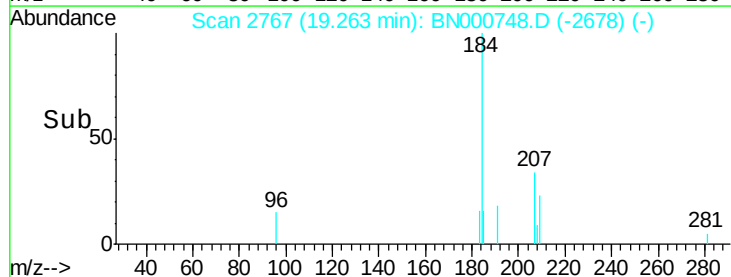
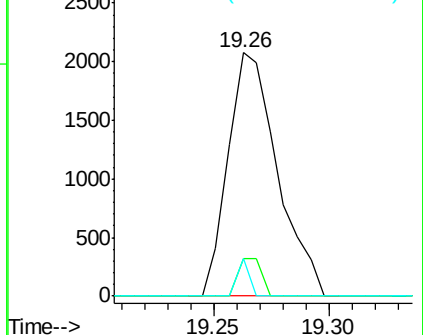
183 15.6 10.6 16.0

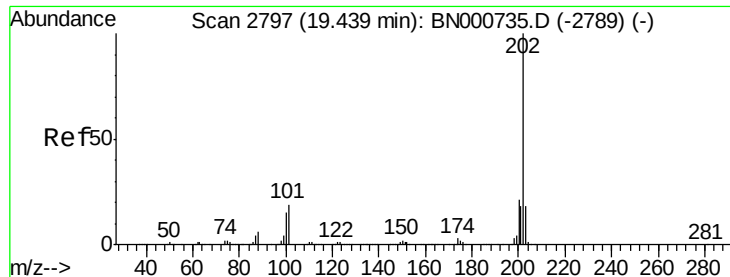


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.790 ng

RT: 19.44 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

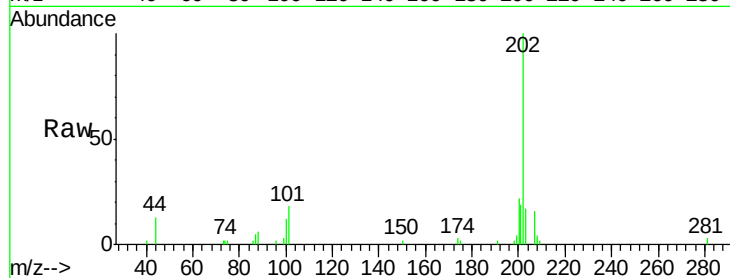
Tot Ion:202 Resp: 25224

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

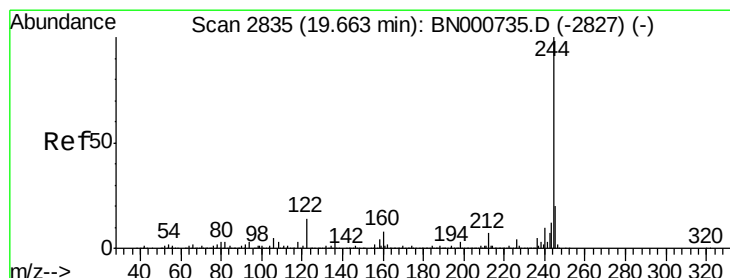
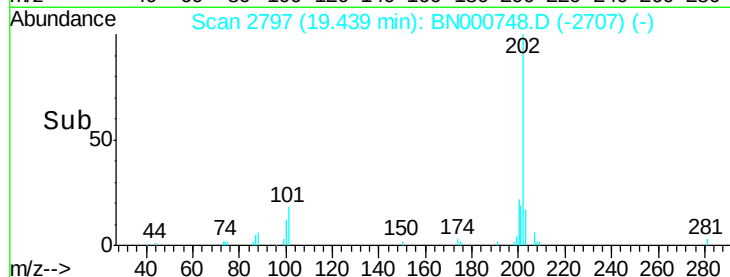
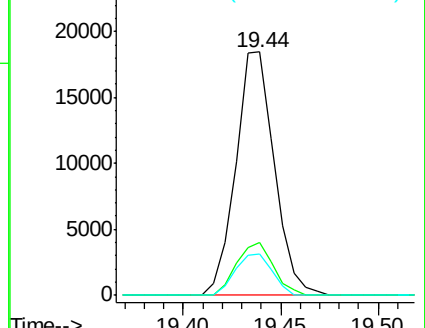
203 17.1 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 82.423 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

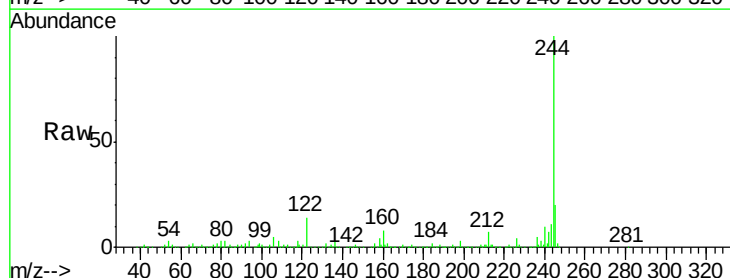
Tgt Ion:244 Resp: 1695109

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

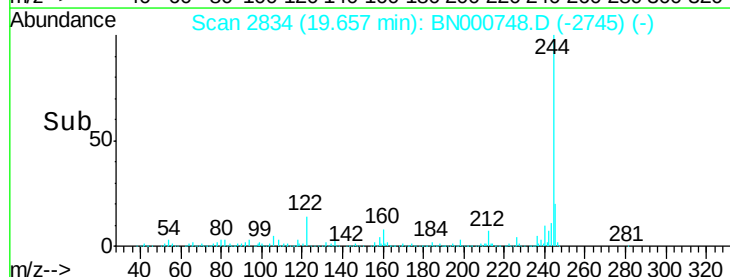
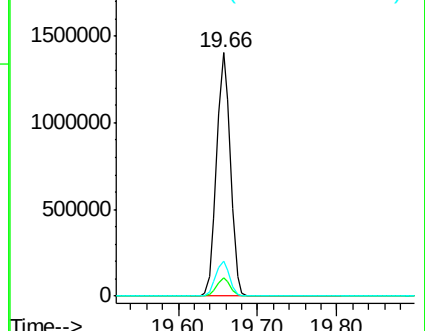
122 14.3 7.0 10.4#

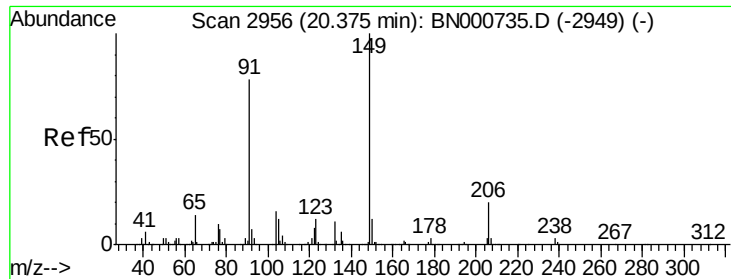


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

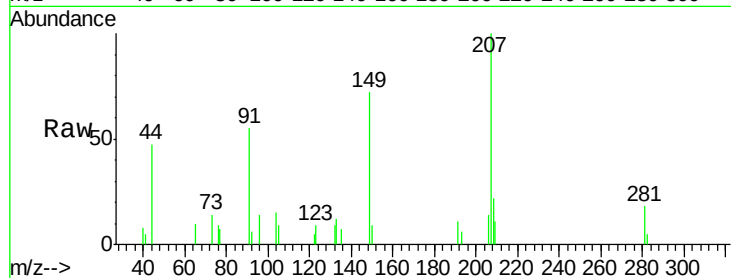




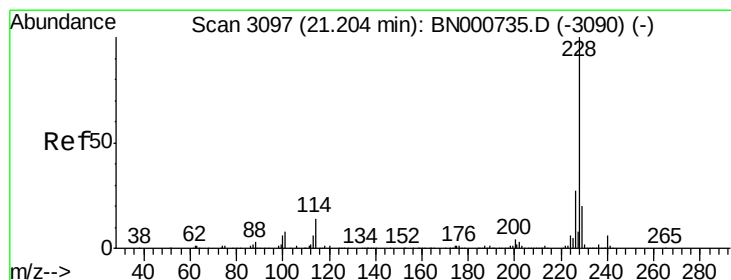
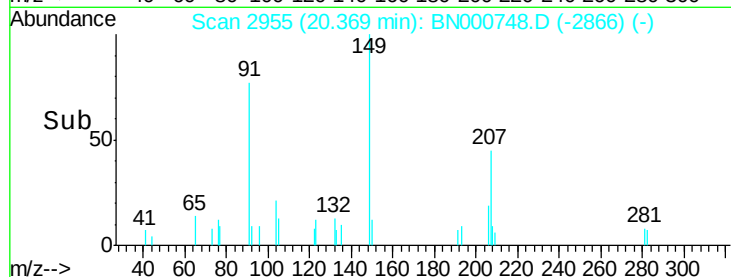
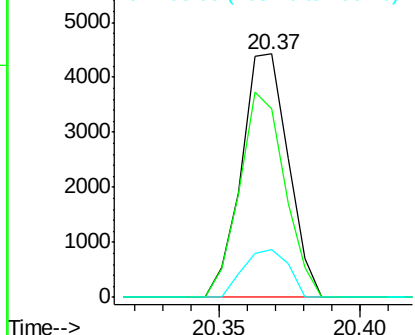
#79
Butylbenzylphthalate
Concen: 0.380 ng
RT: 20.37 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

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

Tot Ion:149 Resp: 5114
Ion Ratio Lower Upper
149 100
91 77.4 62.2 93.2
206 19.4 18.6 27.8

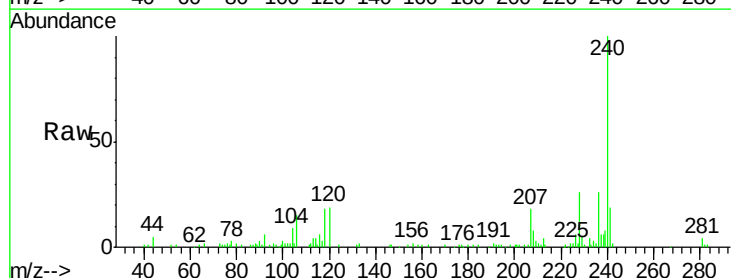


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BNO
Ion 206.00 (205.70 to 206.70): E

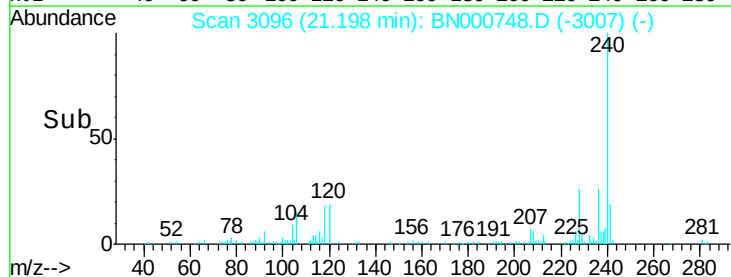
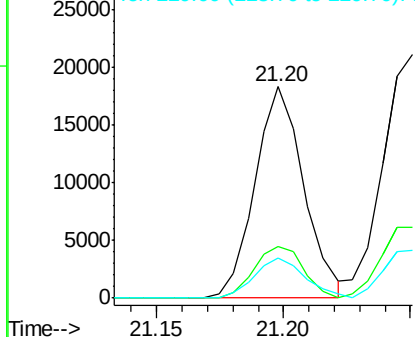


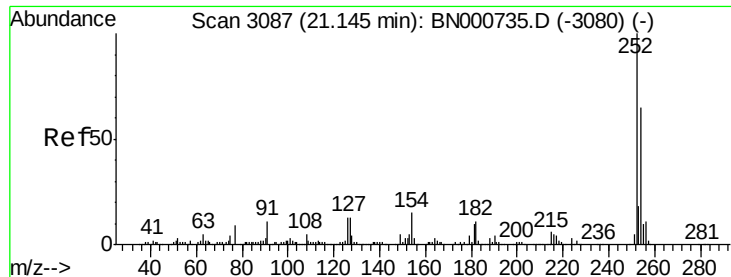
#80
Benzo(a)anthracene
Concen: 0.879 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:228 Resp: 24567
Ion Ratio Lower Upper
228 100
226 24.2 22.7 34.1
229 19.2 16.2 24.2



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

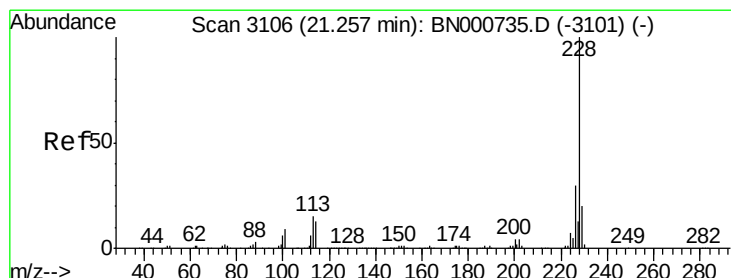
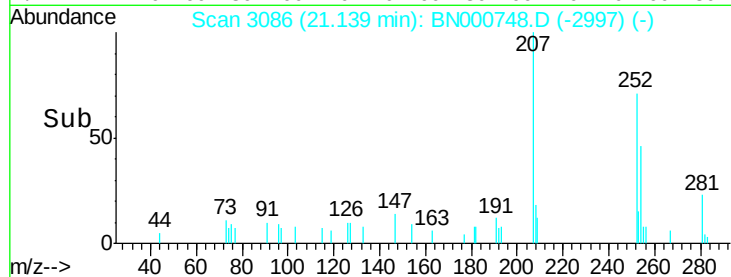
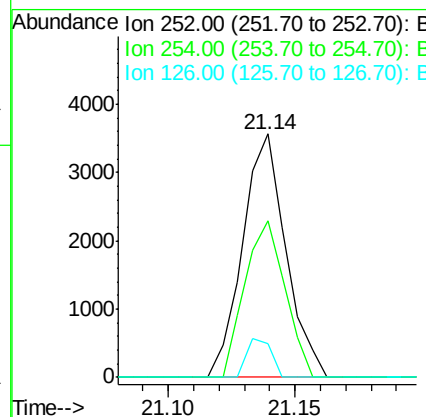
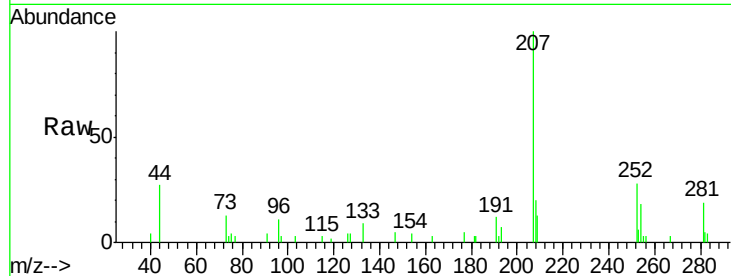




#81
 3,3'-Dichlorobenzidine
 Concen: 0.479 ng
 RT: 21.14 min Scan# 3086
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

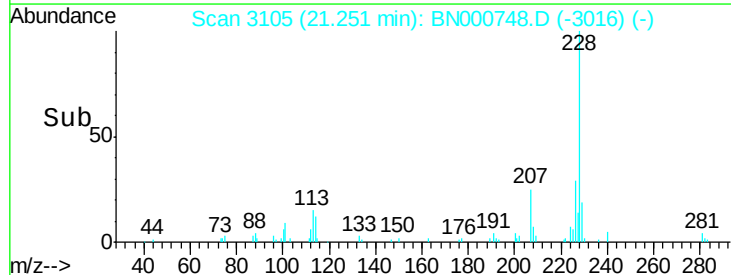
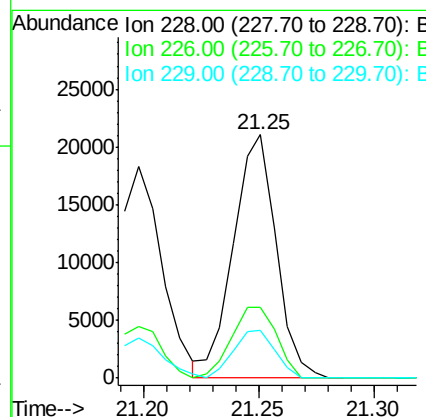
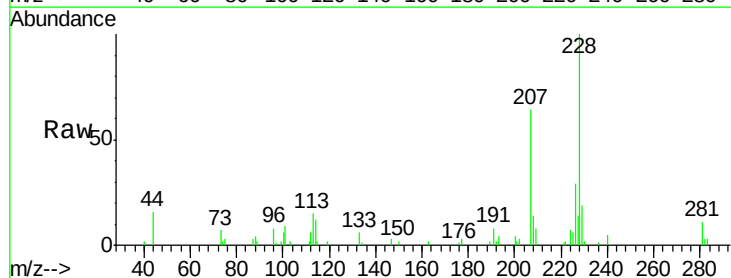
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

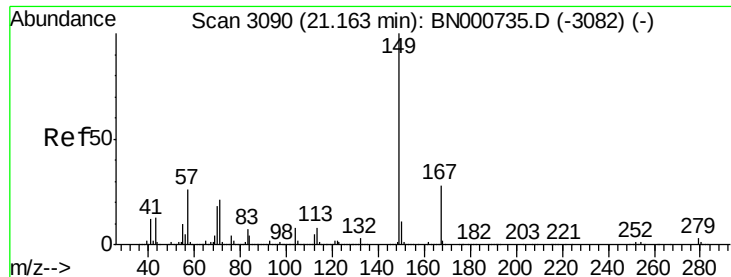
Tot Ion:252 Resp: 4215
 Ion Ratio Lower Upper
 252 100
 254 64.2 50.8 76.2
 126 14.0 7.4 11.2#



#82
 Chrysene
 Concen: 1.004 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:228 Resp: 27169
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.9 37.3
 229 19.4 15.0 22.4

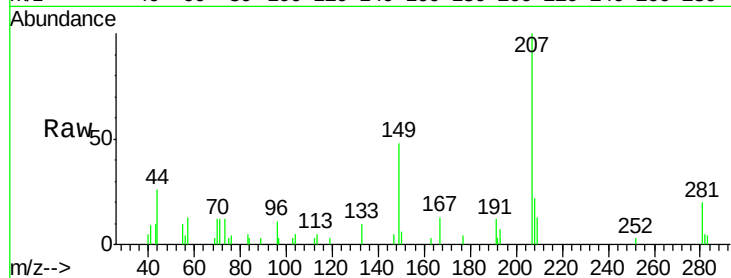




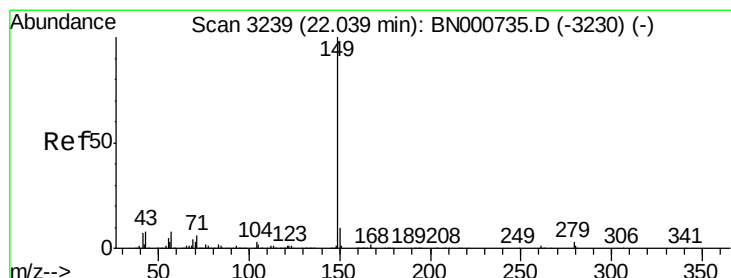
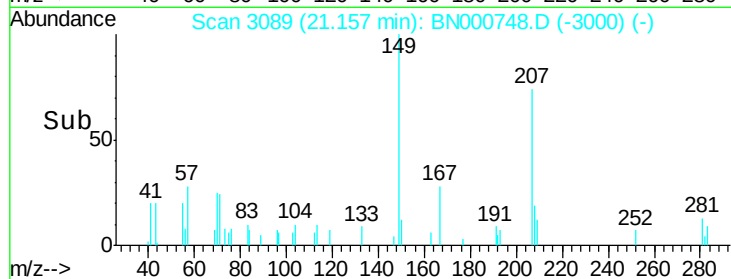
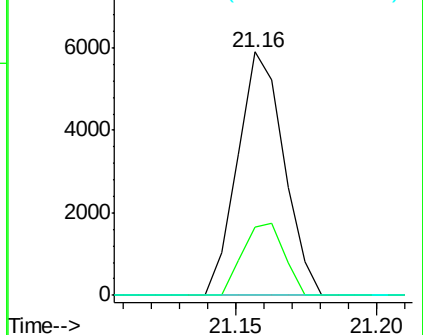
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.327 ng
 RT: 21.16 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

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

Tot Ion:149 Resp: 6718
 Ion Ratio Lower Upper
 149 100
 167 27.9 24.3 36.5
 279 0.0 4.0 6.0#

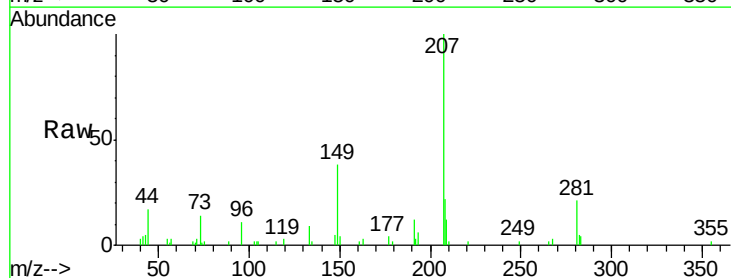


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

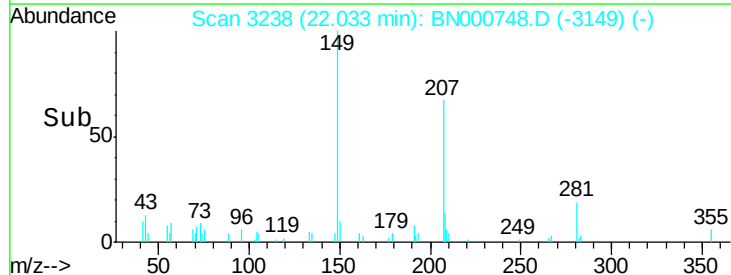
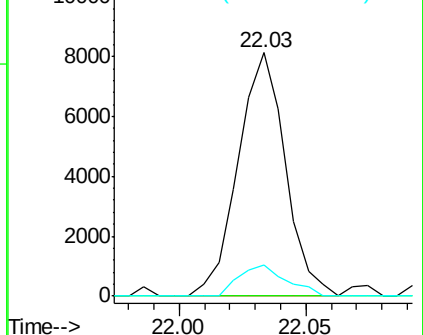


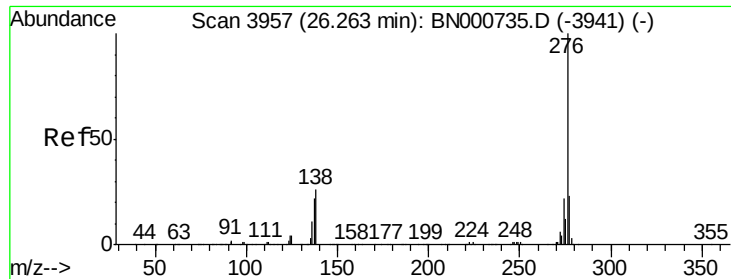
#84
 Di-n-octyl phthalate
 Concen: 0.357 ng
 RT: 22.03 min Scan# 3238
 Delta R.T. -0.01 min
 Lab File: BN000748.D
 Acq: 18 Apr 2018 20:14

Tgt Ion:149 Resp: 10506
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 12.8 8.9 13.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BNC

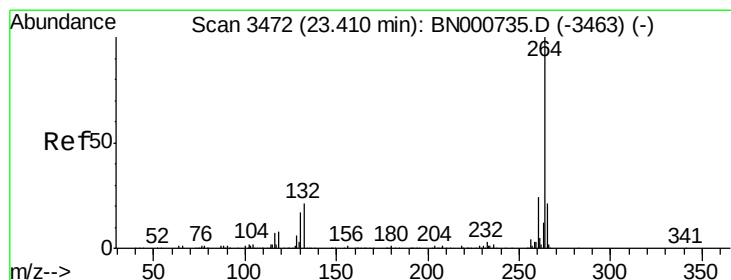
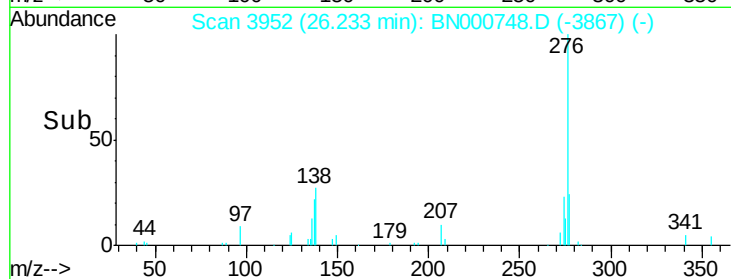
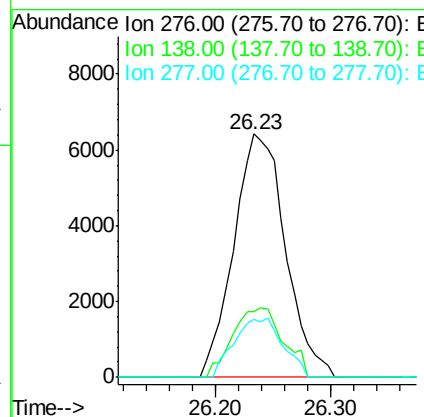
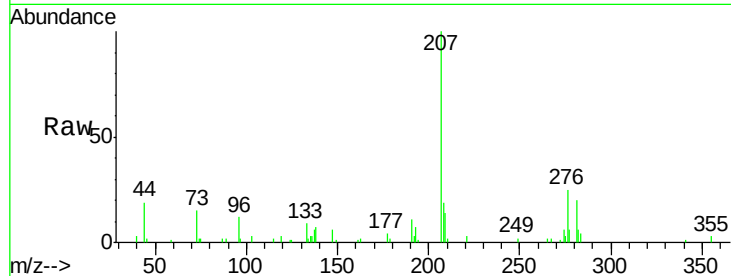




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.858 ng
RT: 26.23 min Scan# 3952
Delta R.T. -0.03 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

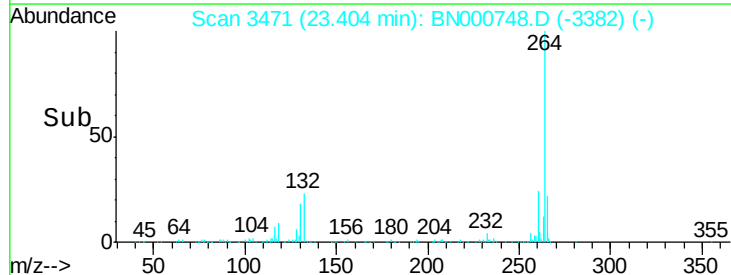
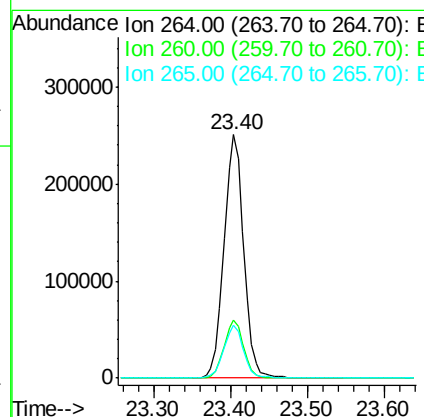
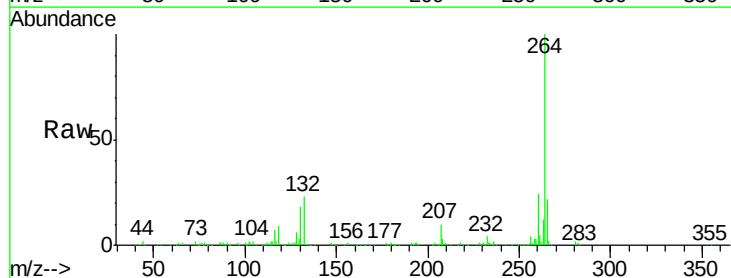
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

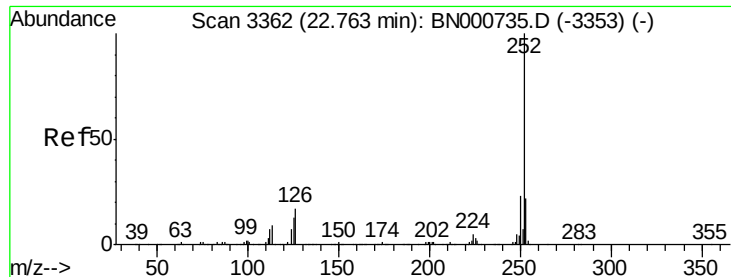
Tot Ion:276 Resp: 19973
Ion Ratio Lower Upper
276 100
138 27.9 16.0 24.0#
277 22.9 20.0 30.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:264 Resp: 443513
Ion Ratio Lower Upper
264 100
260 23.8 17.4 26.0
265 21.7 17.7 26.5

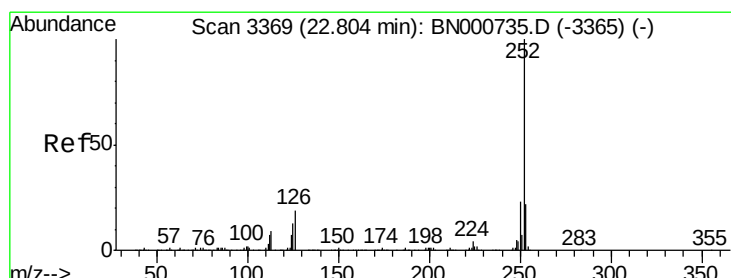
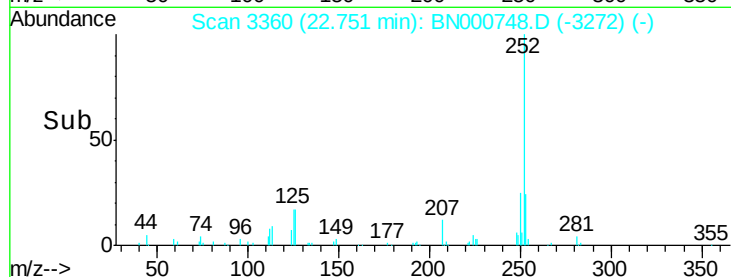
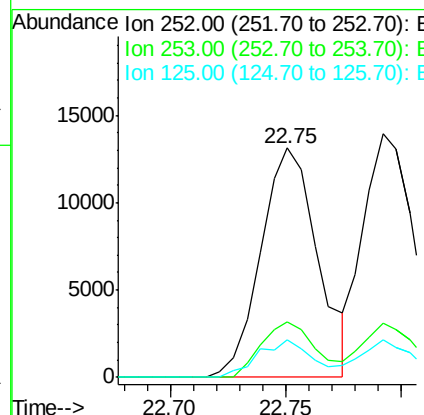
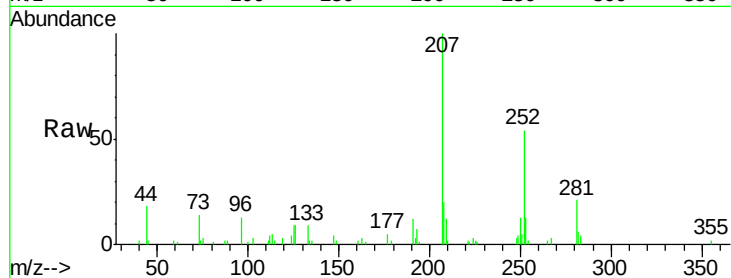




#87
Benzo(b)fluoranthene
Concen: 0.832 ng
RT: 22.75 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

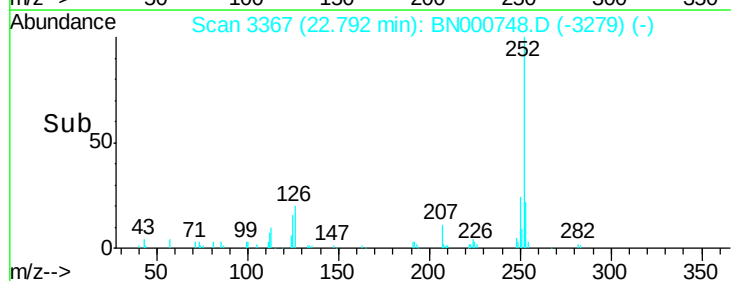
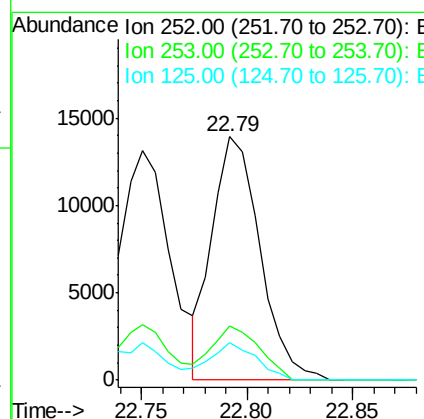
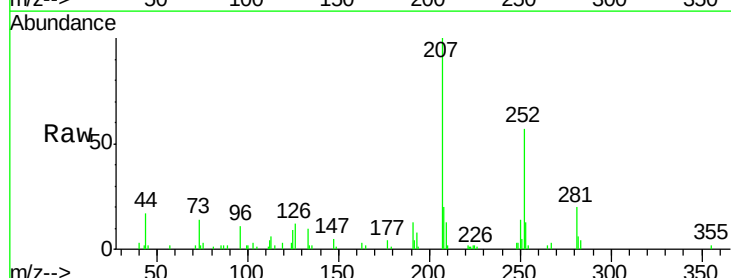
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

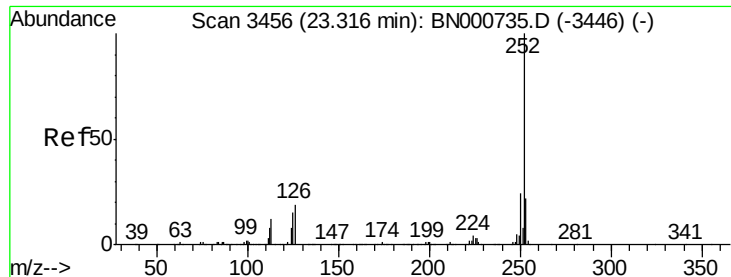
Tot Ion:252 Resp: 22409
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.4
125 16.5 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 0.816 ng
RT: 22.79 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BN000748.D
Acq: 18 Apr 2018 20:14

Tgt Ion:252 Resp: 21904
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 15.5 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 0.758 ng

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

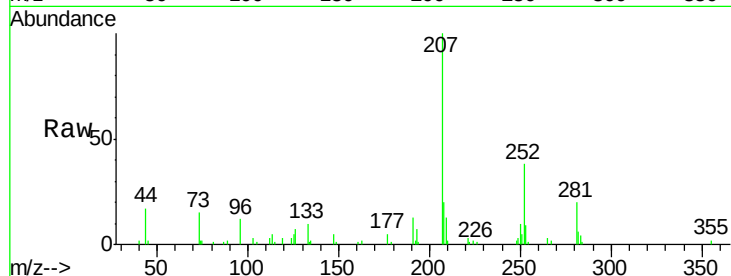
Tot Ion:252 Resp: 18628

Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

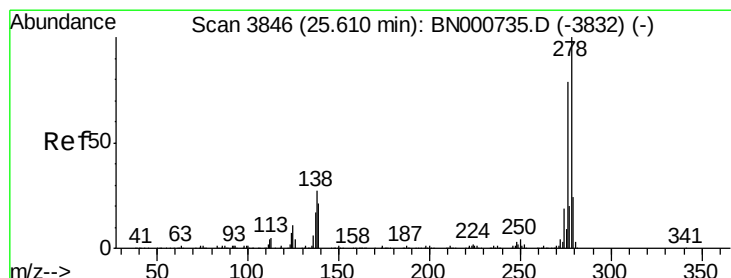
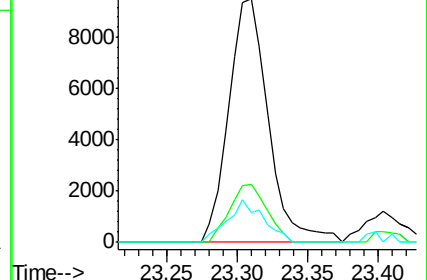
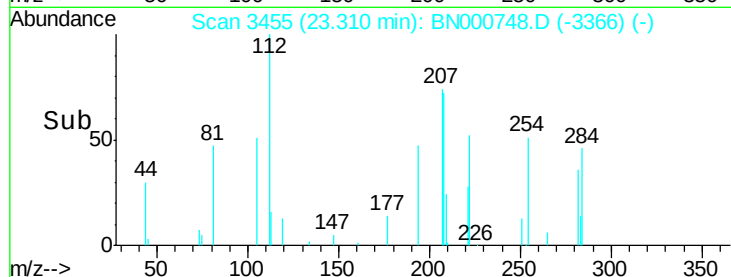
125 12.3 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.856 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

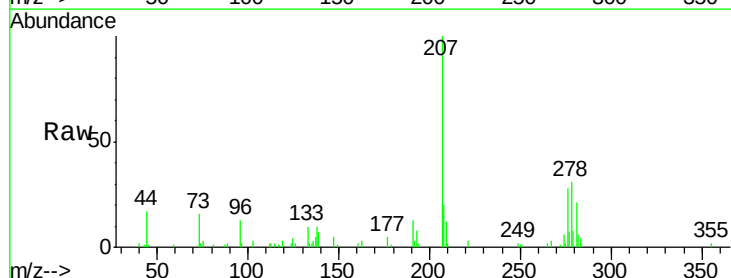
Tgt Ion:278 Resp: 20742

Ion Ratio Lower Upper

278 100

139 22.0 9.8 14.6#

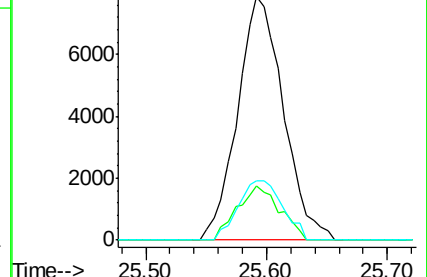
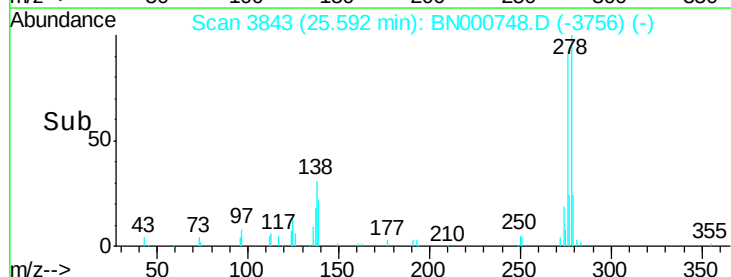
279 24.2 18.4 27.6

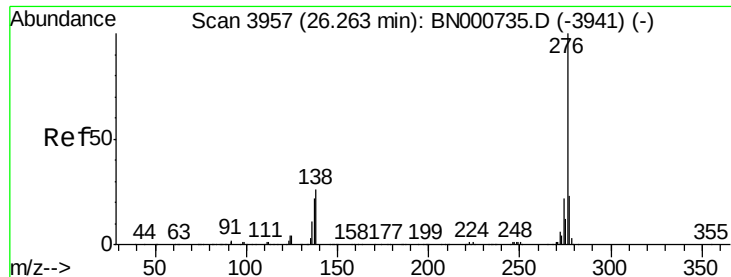


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.844 ng

RT: 26.23 min Scan# 3952

Delta R.T. -0.03 min

Lab File: BN000748.D

Acq: 18 Apr 2018 20:14

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 276 Resp: 19973

Ion Ratio Lower Upper

276 100

277 24.0 18.3 27.5

138 26.8 13.9 20.9#

