

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000749.D
 Acq On : 18 Apr 2018 20:49
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 2PPM MDL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 19 06:51:49 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	125868	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	564040	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	311595	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	675992	20.00	ng	0.00
75) Chrysene-d12	21.21	240	700913	20.00	ng	-0.01
86) Perylene-d12	23.40	264	669829	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1164231	137.40	ng	0.00
7) Phenol-d6	6.81	99	1579943	136.83	ng	0.00
23) Nitrobenzene-d5	8.78	82	911734	84.27	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	496067	158.14	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1899029	84.13	ng	0.00
78) Terphenyl-d14	19.66	244	2617645	80.52	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	8217	2.114	ng	# 87
3) Pyridine	3.65	79	17353	1.695	ng	# 91
4) n-Nitrosodimethylamine	3.55	42	4454	1.582	ng	92
6) Aniline	6.97	93	28952	1.890	ng	95
8) 2-Chlorophenol	7.20	128	17819	2.033	ng	93
9) Benzaldehyde	6.79	77	10077	0.215	ng	89
10) Phenol	6.84	94	23907	1.964	ng	89
11) bis(2-Chloroethyl)ether	7.07	93	19441	1.952	ng	84
12) 1,3-Dichlorobenzene	7.52	146	20937	2.057	ng	98
13) 1,4-Dichlorobenzene	7.66	146	21374	2.068	ng	95
14) 1,2-Dichlorobenzene	7.98	146	20904	2.119	ng	96
15) Benzyl Alcohol	7.87	79	12614	1.588	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.16	45	21155	2.000	ng	81
17) 2-Methylphenol	8.07	107	14306	1.748	ng	96
18) Hexachloroethane	8.69	117	7006	1.840	ng	# 80
19) n-Nitroso-di-n-propylamine	8.43	70	12381	1.724	ng	# 82
20) 3+4-Methylphenols	8.39	107	18787	1.671	ng	92
22) Acetophenone	8.44	105	29630	1.833	ng	# 91
24) Nitrobenzene	8.82	77	22939	1.977	ng	# 95
25) Isophorone	9.33	82	31309	1.597	ng	98
26) 2-Nitrophenol	9.52	139	5995	1.261	ng	99
27) 2,4-Dimethylphenol	9.58	122	12770	1.646	ng	90
28) bis(2-Chloroethoxy)methane	9.82	93	23748	1.858	ng	97
29) 2,4-Dichlorophenol	10.05	162	11571	1.514	ng	96
30) 1,2,4-Trichlorobenzene	10.26	180	18238	1.980	ng	97
31) Naphthalene	10.45	128	61374	2.024	ng	99
32) Benzoic acid	9.63	122	4584	5.166	ng	# 71
33) 4-Chloroaniline	10.56	127	21504	1.737	ng	94
34) Hexachlorobutadiene	10.74	225	9840	1.967	ng	99
35) Caprolactam	11.30	113	2337	0.884	ng	93
36) 4-Chloro-3-methylphenol	11.68	107	12993	1.440	ng	98
37) 2-Methylnaphthalene	12.06	142	39245	1.976	ng	96
39) 1,2,4,5-Tetrachlorobenzene	12.43	216	18596	1.924	ng	# 95
40) Hexachlorocyclopentadiene	12.42	237	8715	1.538	ng	91

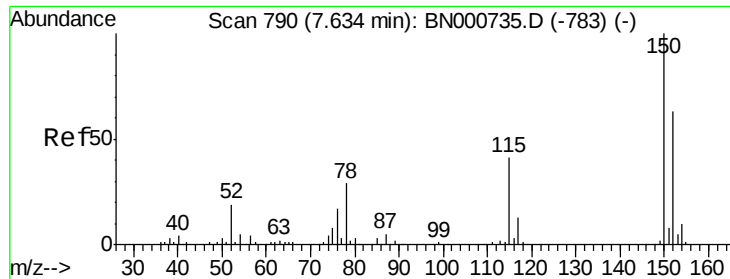
Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000749.D
 Acq On : 18 Apr 2018 20:49
 Operator : JU/SJ
 Sample : J2133-03
 Misc : 2PPM MDL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 19 06:51:49 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	12.67	196	7646	1.305	nq	91
43) 2,4,5-Trichlorophenol	12.75	196	9614	1.420	nq	96
45) 1,1'-Biphenyl	13.09	154	59748	2.142	nq	97
46) 2-Chloronaphthalene	13.13	162	41658	1.992	nq	96
47) 2-Nitroaniline	13.33	65	6698	1.104	nq	91
48) Acenaphthylene	13.97	152	57882	1.746	nq	98
49) Dimethylphthalate	13.73	163	46096	1.851	nq	99
50) 2,6-Dinitrotoluene	13.83	165	7089	1.344	nq	90
51) Acenaphthene	14.32	154	40725	2.015	nq	98
52) 3-Nitroaniline	14.16	138	7092	1.181	nq	# 93
53) 2,4-Dinitrophenol	14.37	184	1744	6.284	nq	97
54) Dibenzofuran	14.66	168	61354	2.086	nq	97
55) 4-Nitrophenol	14.47	139	4155	0.932	nq	89
56) 2,4-Dinitrotoluene	14.63	165	8311	1.204	nq	# 94
57) Fluorene	15.31	166	46536	2.001	nq	95
58) 2,3,4,6-Tetrachlorophenol	14.89	232	7611	1.463	nq	# 87
59) Diethylphthalate	15.10	149	43797	1.775	nq	97
60) 4-Chlorophenyl-phenylether	15.32	204	23294	2.143	nq	94
61) 4-Nitroaniline	15.33	138	6781	1.148	nq	92
62) Azobenzene	15.61	77	44445	1.682	nq	89
64) 4,6-Dinitro-2-methylphenol	15.39	198	3754	0.899	nq	80
65) n-Nitrosodiphenylamine	15.53	169	37873	1.669	nq	94
66) 4-Bromophenyl-phenylether	16.21	248	12185	1.774	nq	# 92
67) Hexachlorobenzene	16.32	284	14873	1.870	nq	# 91
68) Atrazine	16.48	200	5915	0.962	nq	89
69) Pentachlorophenol	16.66	266	5448	1.060	nq	99
70) Phenanthrene	17.05	178	80015	2.044	nq	98
71) Anthracene	17.14	178	69660	1.817	nq	97
72) Carbazole	17.41	167	63044	1.750	nq	96
73) Di-n-butylphthalate	18.00	149	54190	1.320	nq	97
74) Fluoranthene	19.07	202	75809	1.921	nq	94
76) Benzidine	19.26	184	9917	0.522	nq	# 94
77) Pyrene	19.43	202	83225	1.648	nq	99
79) Butylbenzylphthalate	20.37	149	19323	0.908	nq	89
80) Benzo(a)anthracene	21.20	228	82478	1.867	nq	97
81) 3,3'-Dichlorobenzidine	21.14	252	15091	1.085	nq	# 94
82) Chrysene	21.25	228	86826	2.030	nq	98
83) Bis(2-ethylhexyl)phthalate	21.16	149	31865	0.981	nq	# 93
84) Di-n-octyl phthalate	22.03	149	42299	0.910	nq	# 98
85) Indeno(1,2,3-cd)pyrene	26.23	276	54705	1.487	nq	# 91
87) Benzo(b)fluoranthene	22.75	252	74457	1.829	nq	# 96
88) Benzo(k)fluoranthene	22.79	252	74032	1.826	nq	# 95
89) Benzo(a)pyrene	23.30	252	61964	1.668	nq	# 93
90) Dibenzo(a,h)anthracene	25.59	278	56365	1.540	nq	# 91
91) Benzo(g,h,i)perylene	26.23	276	54705	1.531	nq	# 90

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

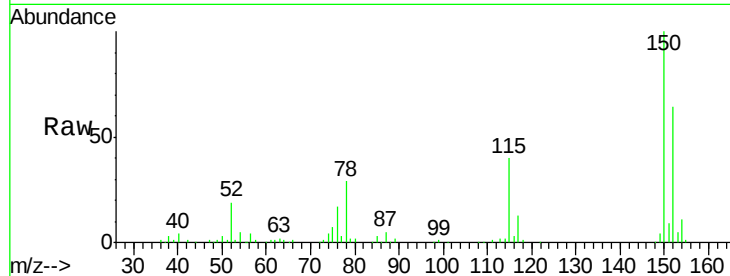


#1

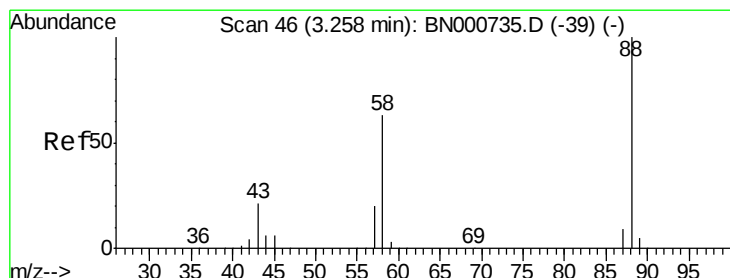
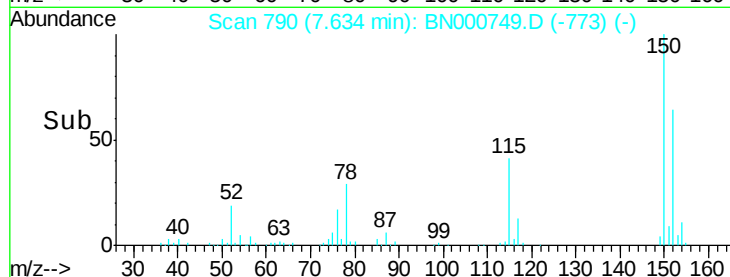
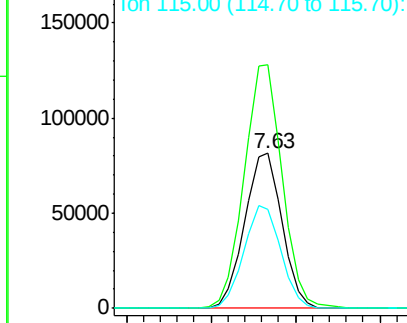
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

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

Tot Ion:152 Resp: 125868
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.6 189.8
 115 63.7 53.0 79.4



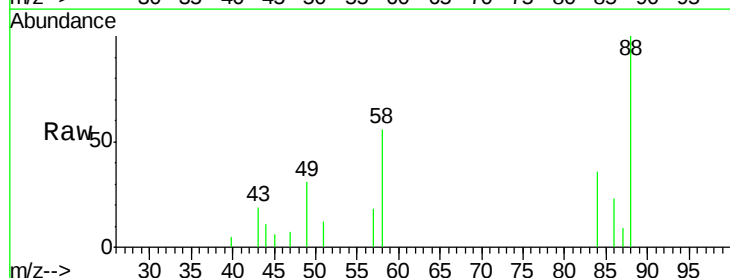
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



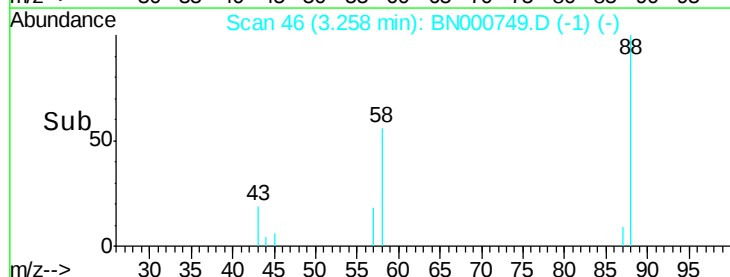
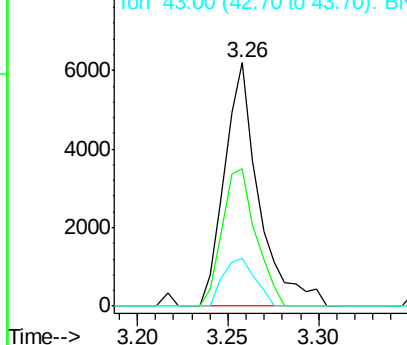
#2

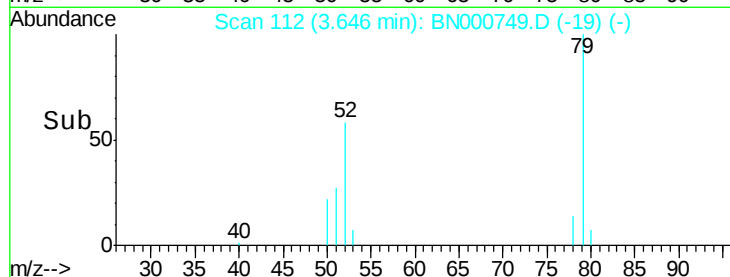
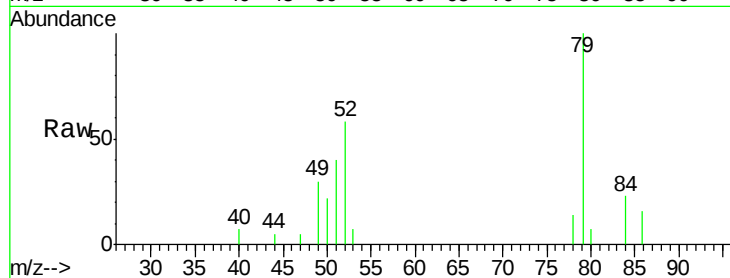
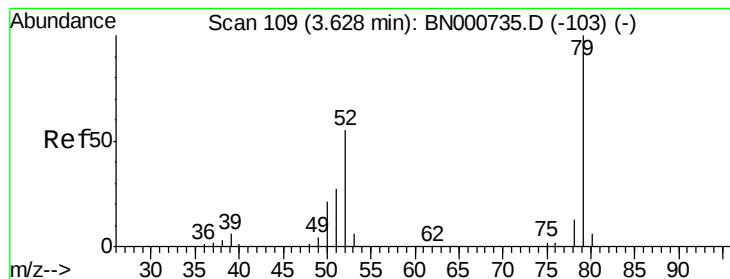
1,4-Dioxane
 Concen: 2.114 ng
 RT: 3.26 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion: 88 Resp: 8217
 Ion Ratio Lower Upper
 88 100
 58 55.0 52.0 78.0
 43 18.1 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: 1.695 ng

RT: 3.65 min Scan# 112

Delta R.T. 0.02 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

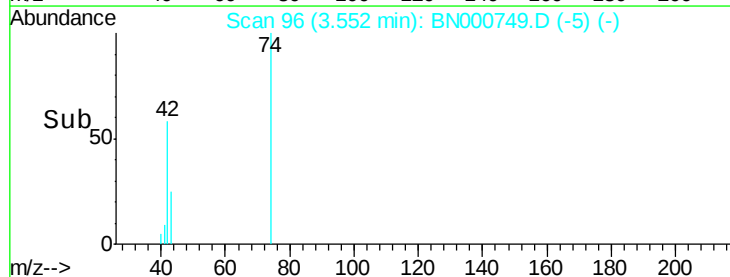
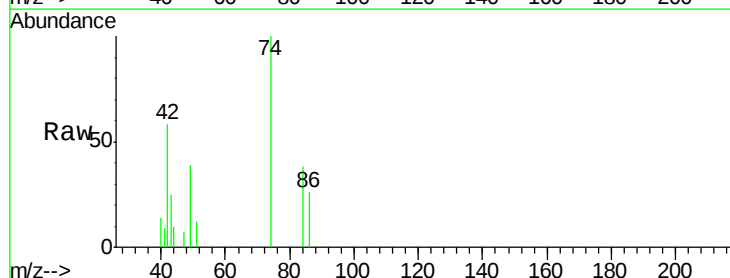
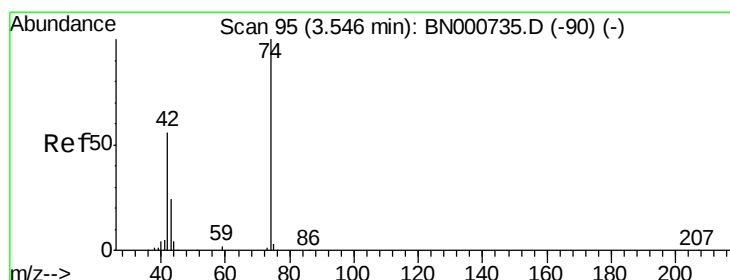
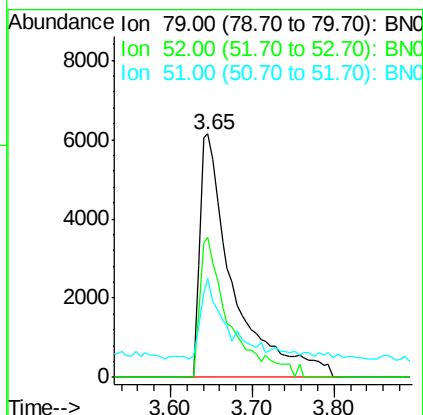
Tot Ion: 79 Resp: 17353

Ion Ratio Lower Upper

79 100

52 57.7 44.0 66.0

51 40.5 24.0 36.0#



#4

n-Nitrosodimethylamine

Concen: 1.582 ng

RT: 3.55 min Scan# 96

Delta R.T. 0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

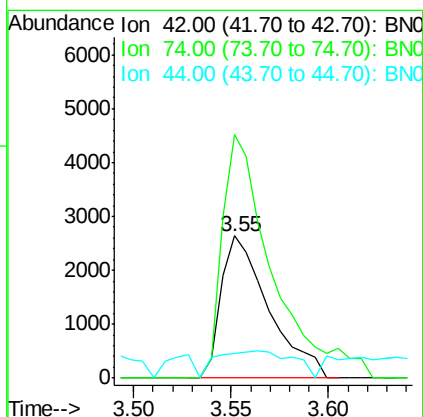
Tgt Ion: 42 Resp: 4454

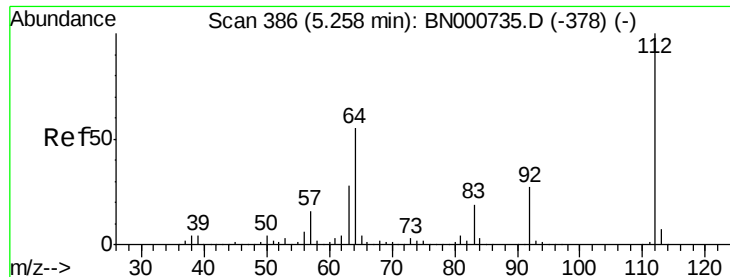
Ion Ratio Lower Upper

42 100

74 171.2 128.0 192.0

44 17.1 12.0 18.0





#5

2-Fluorophenol

Concen: 137.402 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

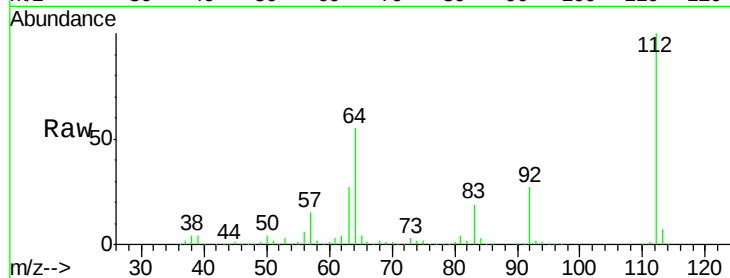
Tot Ion:112 Resp: 1164231

Ion Ratio Lower Upper

112 100

64 55.1 56.3 84.5#

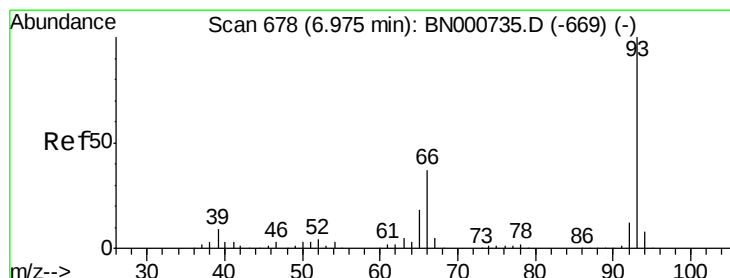
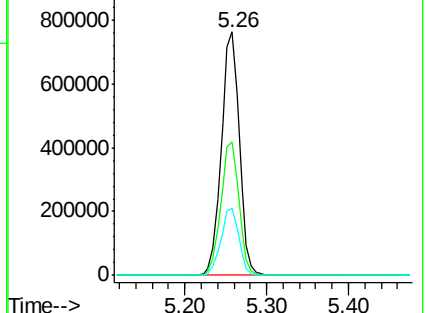
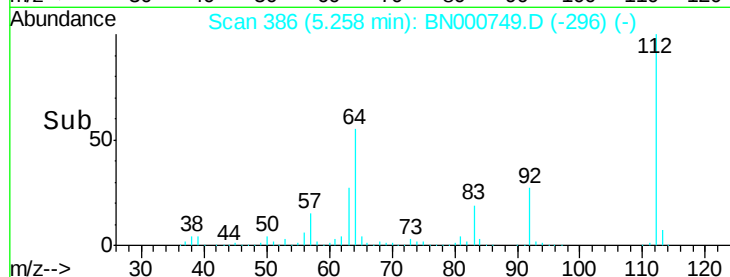
63 27.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 1.890 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

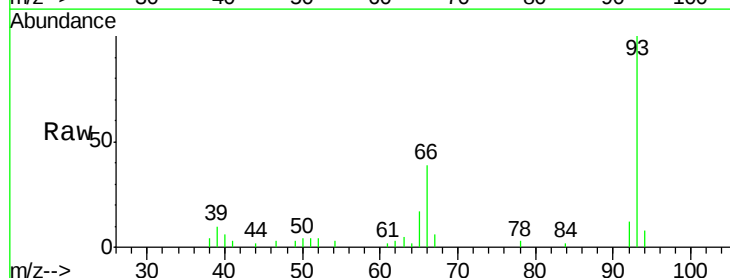
Tgt Ion: 93 Resp: 28952

Ion Ratio Lower Upper

93 100

66 39.3 33.7 50.5

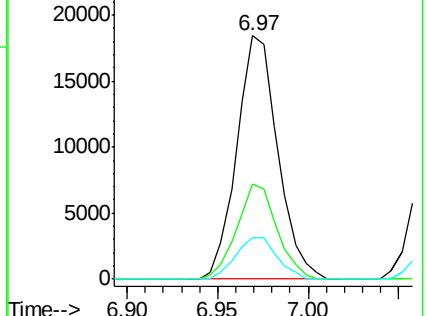
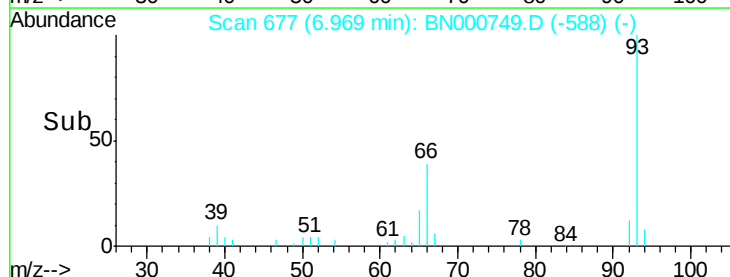
65 17.0 16.1 24.1

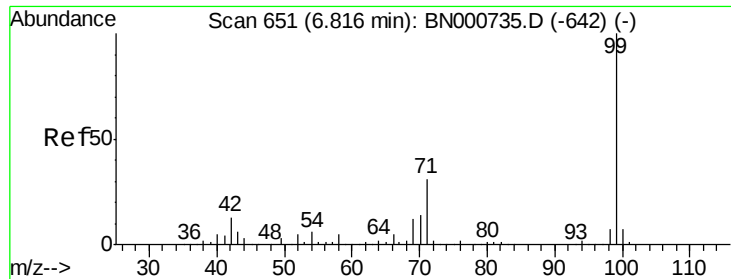


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 136.831 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

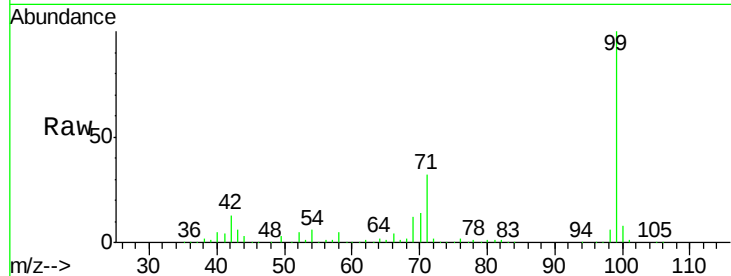
BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion: 99 Resp: 1579943

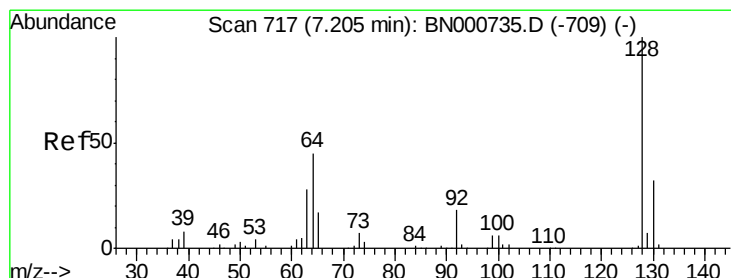
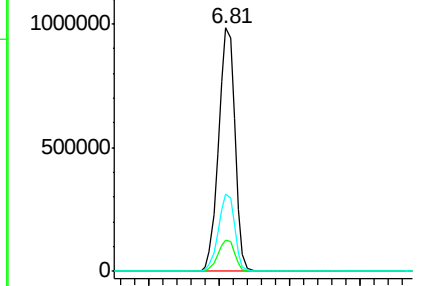
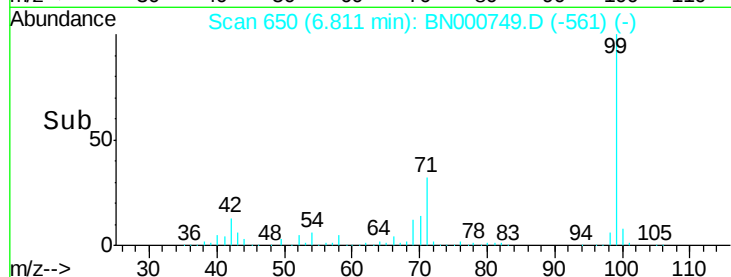
Ion	Ratio	Lower	Upper
99	100		
42	13.0	14.1	21.1#
71	31.6	26.1	39.1



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: 2.033 ng

RT: 7.20 min Scan# 716

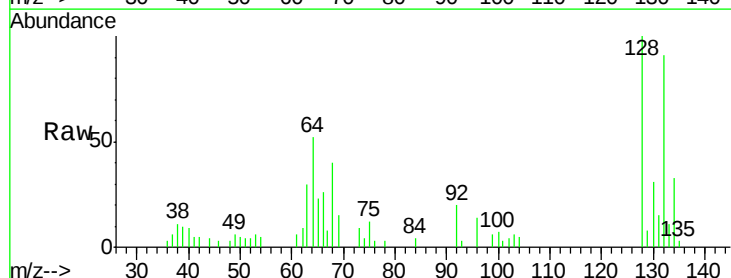
Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Tgt Ion: 128 Resp: 17819

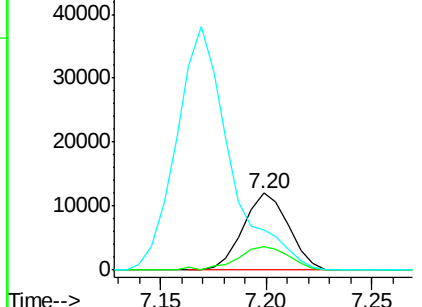
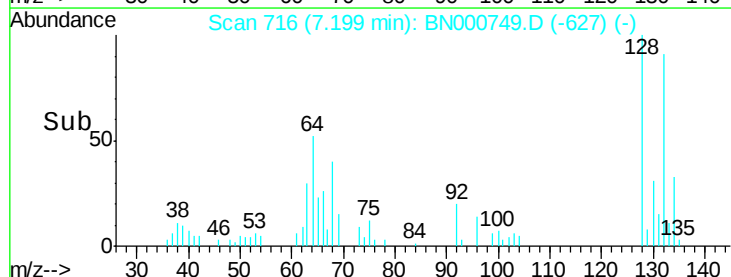
Ion	Ratio	Lower	Upper
128	100		
130	30.8	14.0	54.0
64	51.9	37.7	77.7

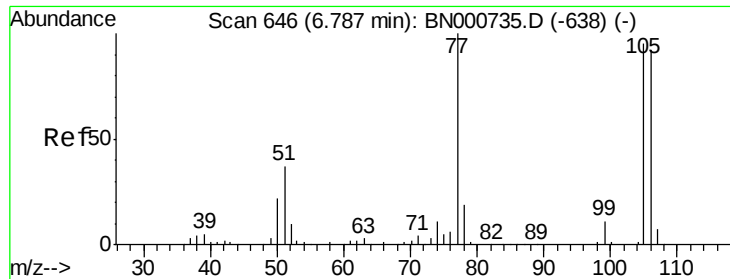


Abundance Ion 128.00 (127.70 to 128.70): BN000735.D (-709) (-)

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

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

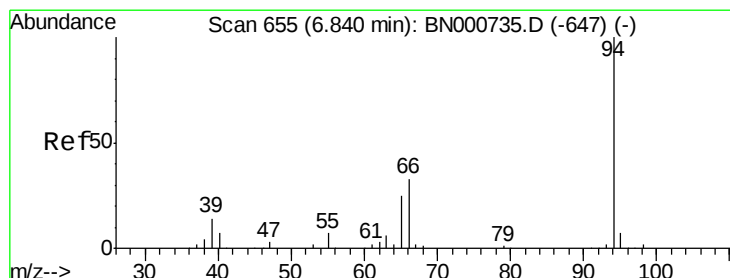
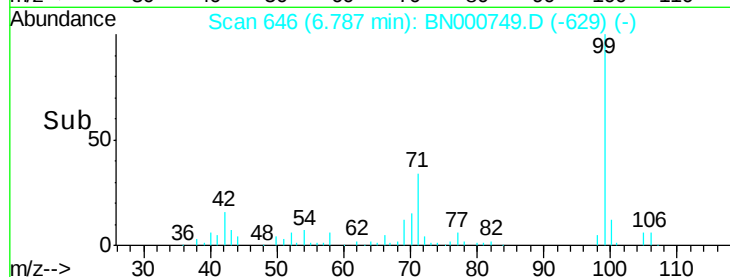
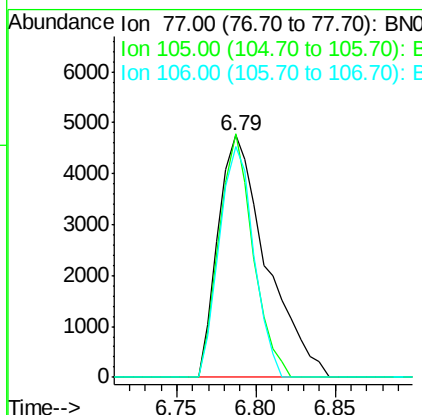
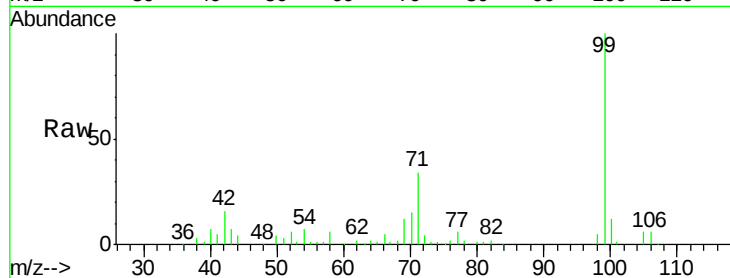




#9
Benzaldehyde
Concen: 0.215 ng
RT: 6.79 min Scan# 646
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

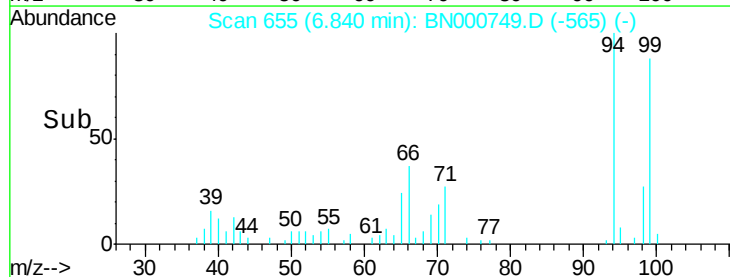
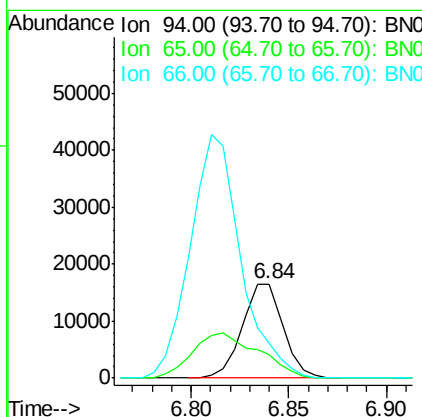
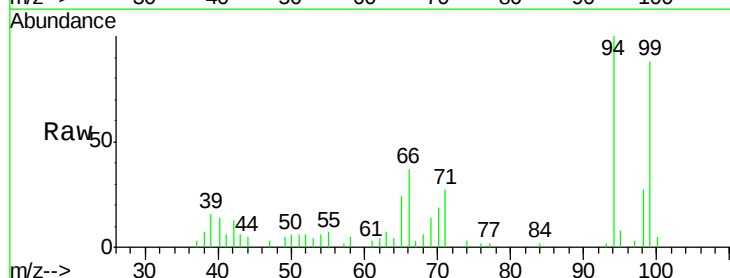
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

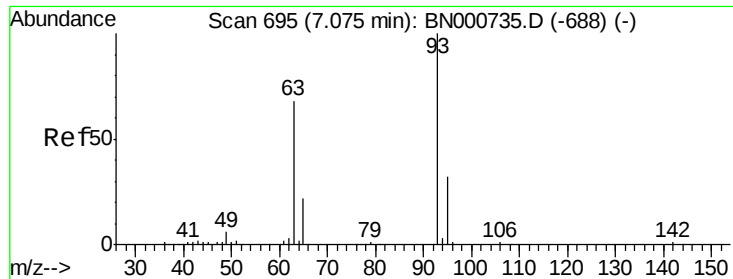
Tot Ion: 77 Resp: 10077
Ion Ratio Lower Upper
77 100
105 100.5 71.3 111.3
106 95.2 64.2 104.2



#10
Phenol
Concen: 1.964 ng
RT: 6.84 min Scan# 655
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion: 94 Resp: 23907
Ion Ratio Lower Upper
94 100
65 24.4 11.9 51.9
66 36.9 22.2 62.2

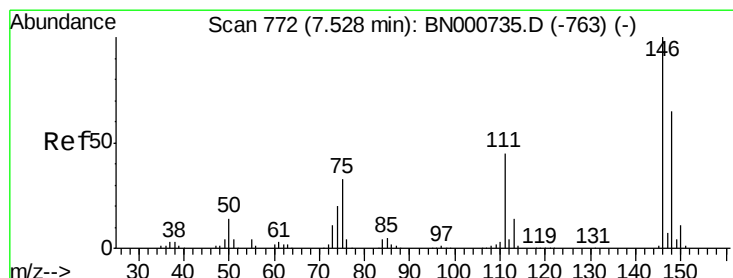
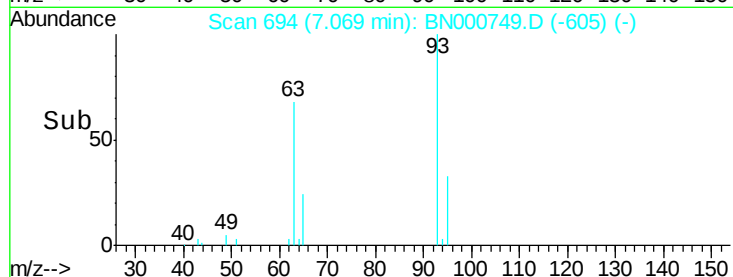
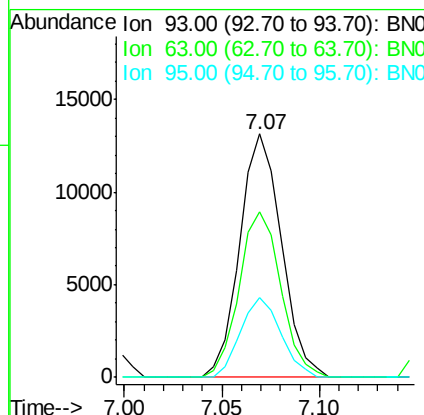
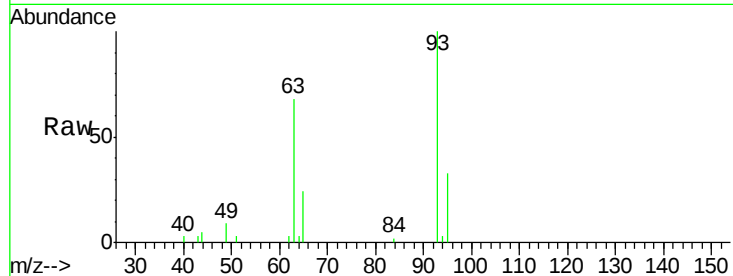




#11
bis(2-Chloroethyl)ether
Concen: 1.952 ng
RT: 7.07 min Scan# 694
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

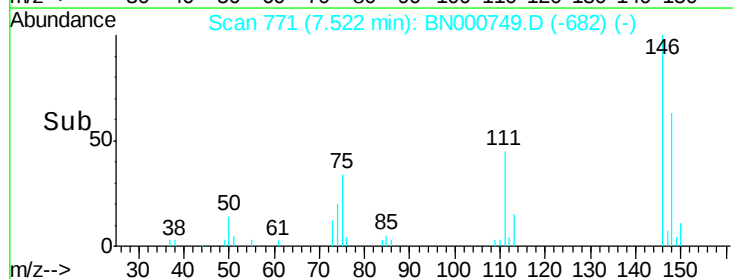
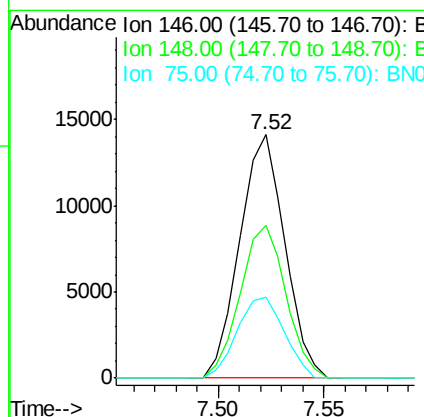
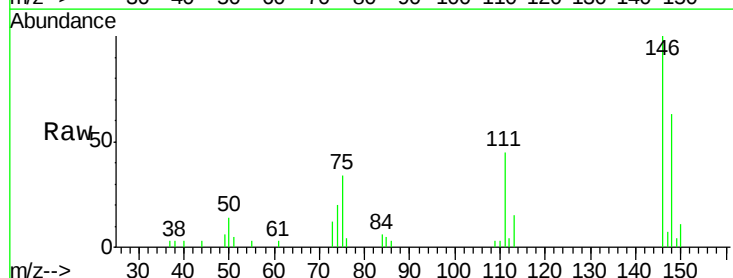
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

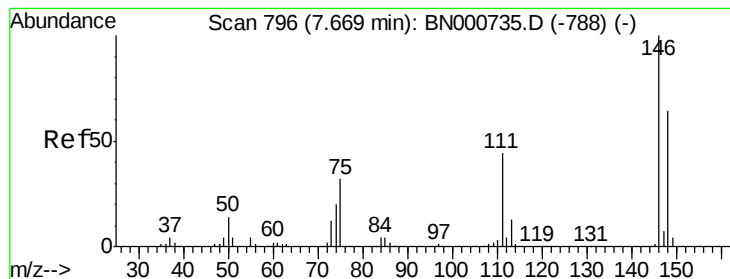
Tot Ion: 93 Resp: 19441
Ion Ratio Lower Upper
93 100
63 67.9 67.1 107.1
95 32.9 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 2.057 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion: 146 Resp: 20937
Ion Ratio Lower Upper
146 100
148 62.7 51.4 77.2
75 33.5 26.6 39.8





#13

1,4-Dichlorobenzene

Concen: 2.068 ng

RT: 7.66 min Scan# 795

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

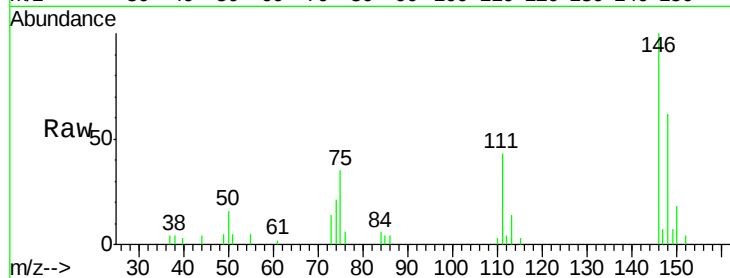
Tot Ion:146 Resp: 21374

Ion Ratio Lower Upper

146 100

148 61.8 53.7 80.5

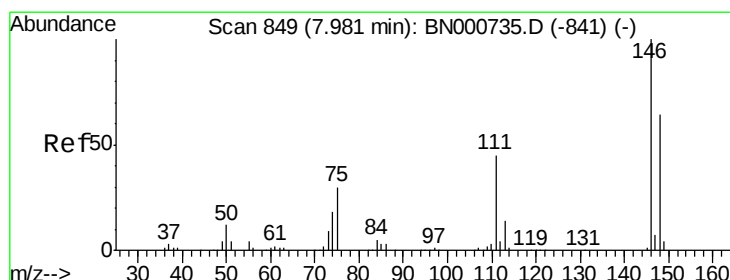
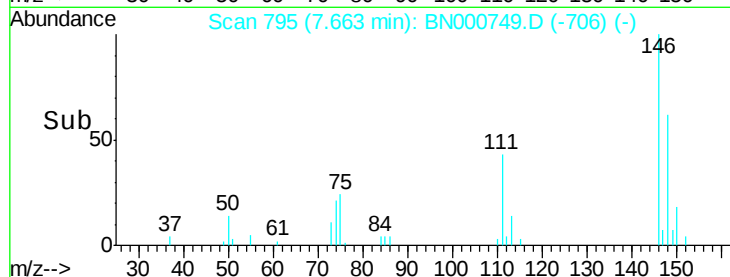
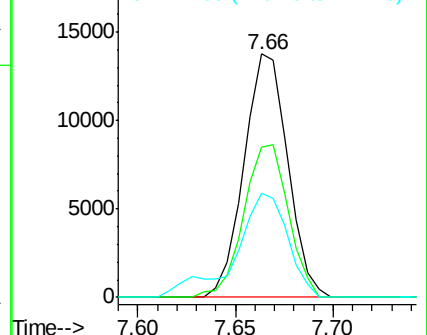
111 42.6 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 2.119 ng

RT: 7.98 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

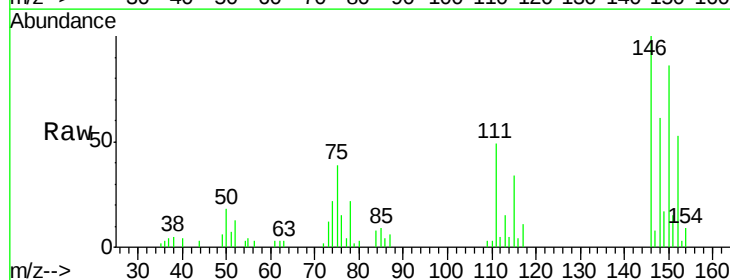
Tgt Ion:146 Resp: 20904

Ion Ratio Lower Upper

146 100

148 60.9 49.3 73.9

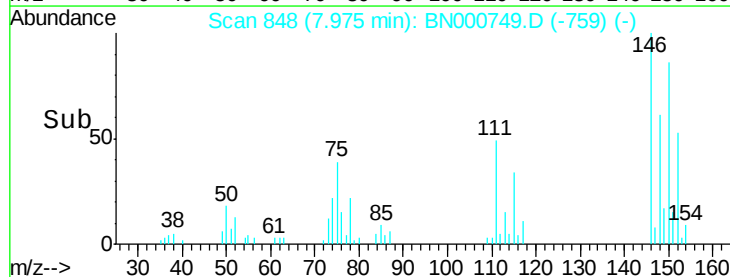
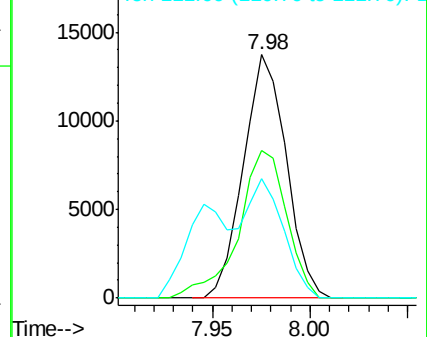
111 48.9 34.3 51.5

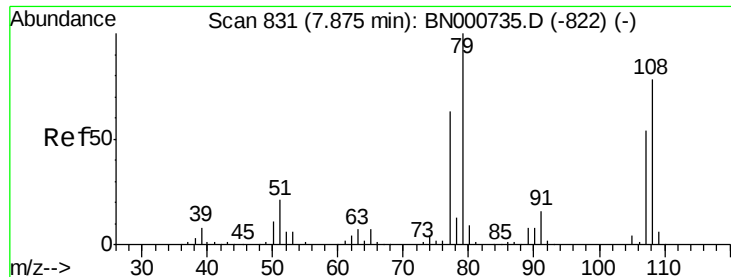


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.588 ng

RT: 7.87 min Scan# 830

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

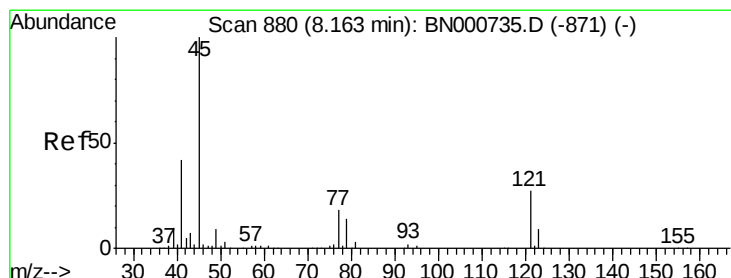
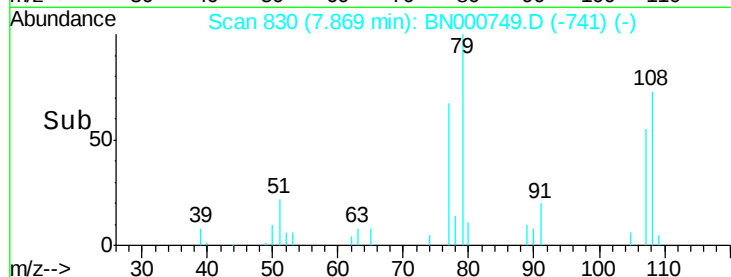
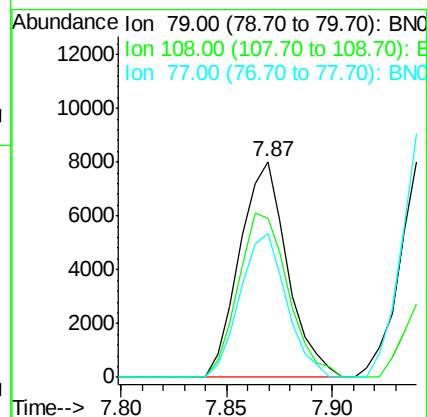
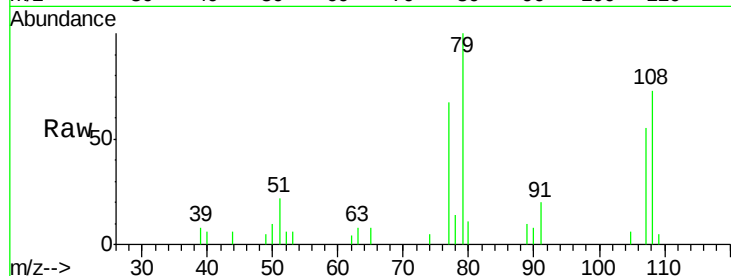
Tot Ion: 79 Resp: 12614

Ion Ratio Lower Upper

79 100

108 73.4 57.2 85.8

77 66.6 46.1 69.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 2.000 ng

RT: 8.16 min Scan# 879

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

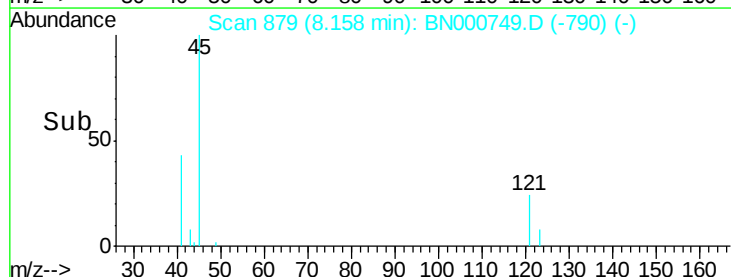
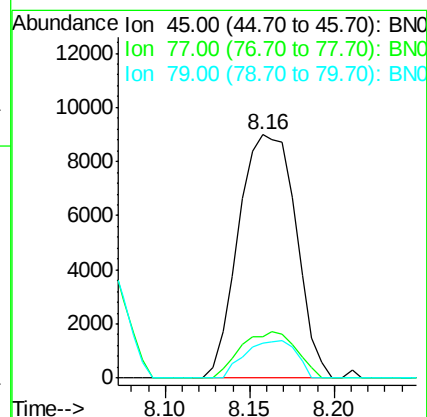
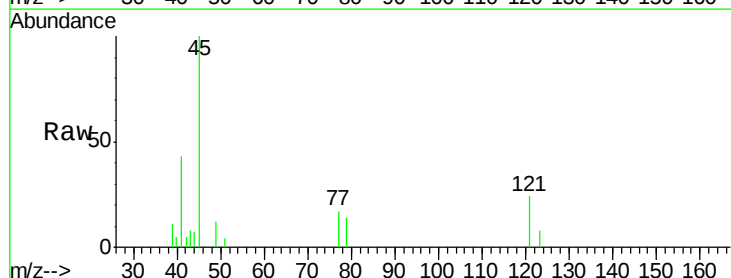
Tgt Ion: 45 Resp: 21155

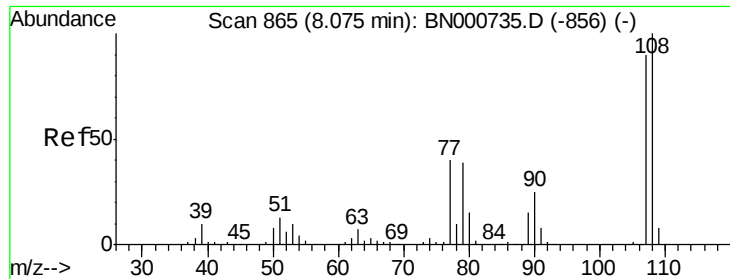
Ion Ratio Lower Upper

45 100

77 17.2 0.0 30.2

79 14.3 0.0 27.9

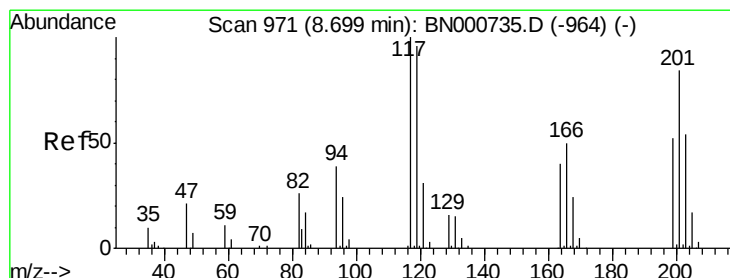
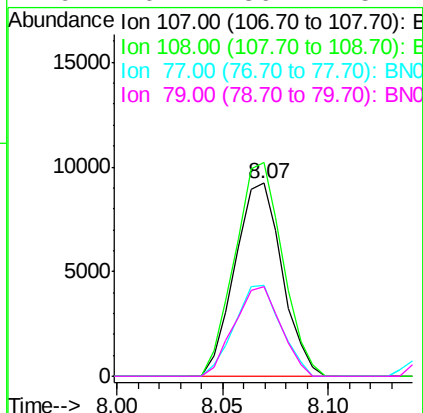
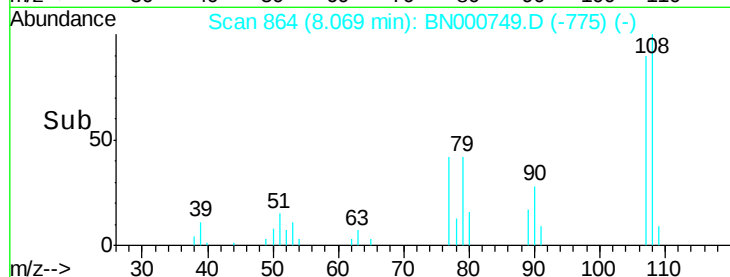
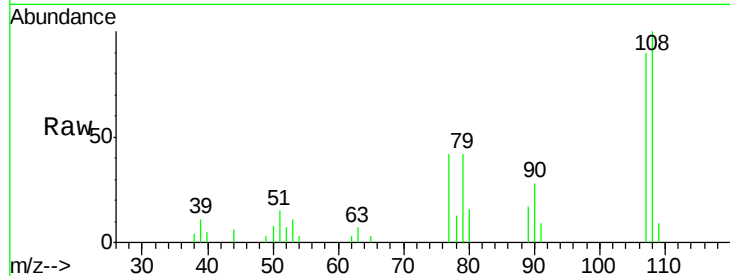




#17
2-Methylphenol
Concen: 1.748 ng
RT: 8.07 min Scan# 864
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

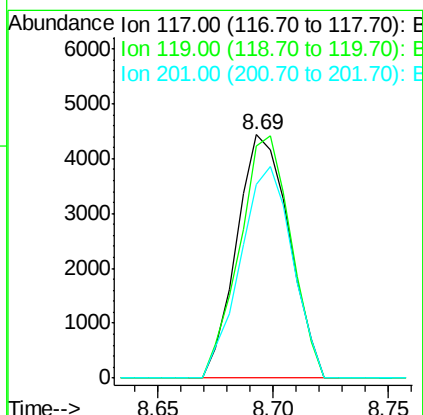
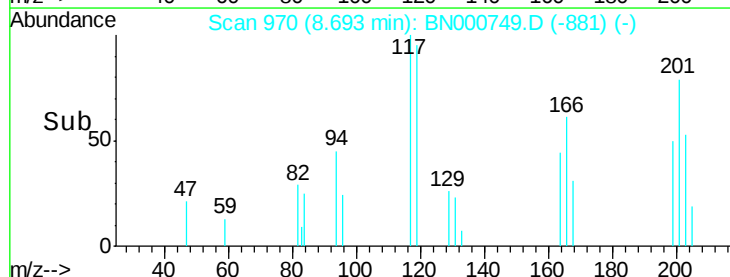
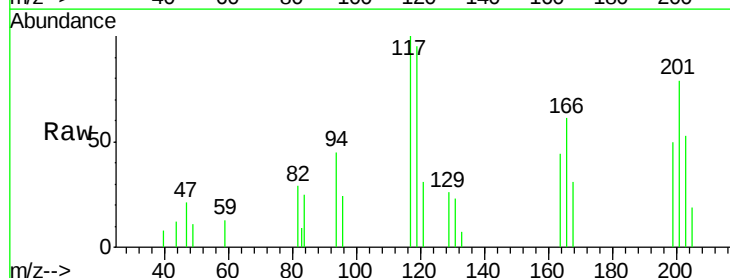
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

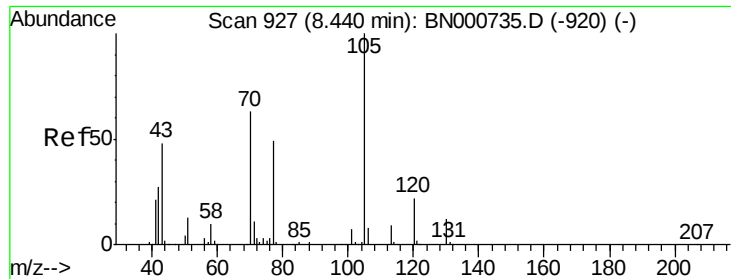
Tot Ion:107 Resp: 14306
Ion Ratio Lower Upper
107 100
108 110.8 83.9 125.9
77 46.9 37.2 55.8
79 46.2 36.2 54.2



#18
Hexachloroethane
Concen: 1.840 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:117 Resp: 7006
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1
201 79.5 95.7 143.5#

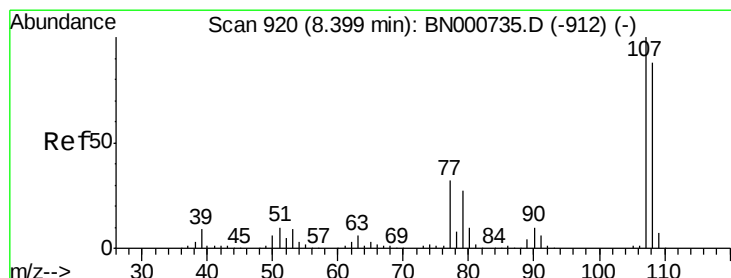
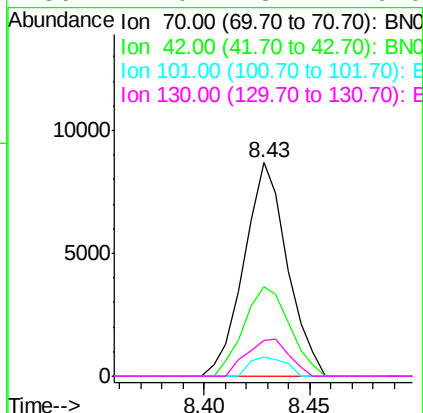
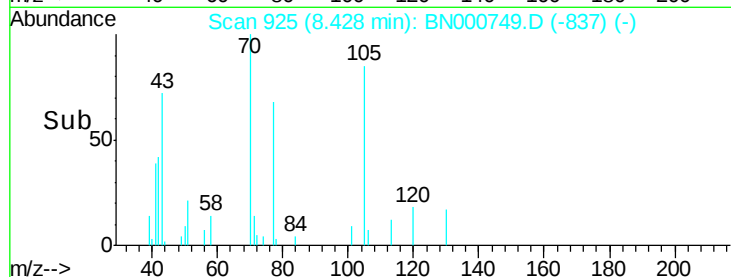
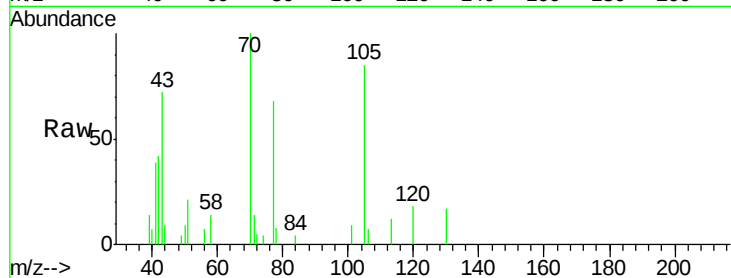




#19
n-Nitroso-di-n-propylamine
Concen: 1.724 ng
RT: 8.43 min Scan# 925
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

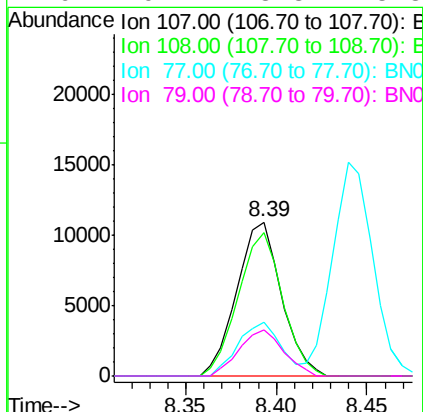
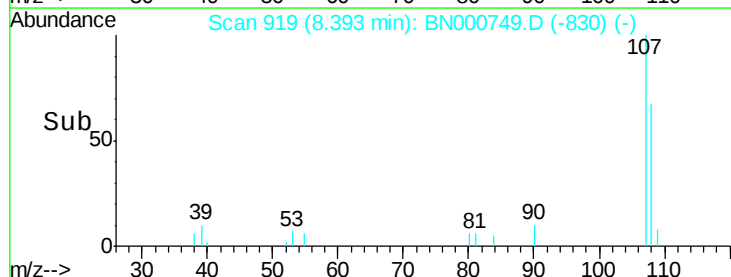
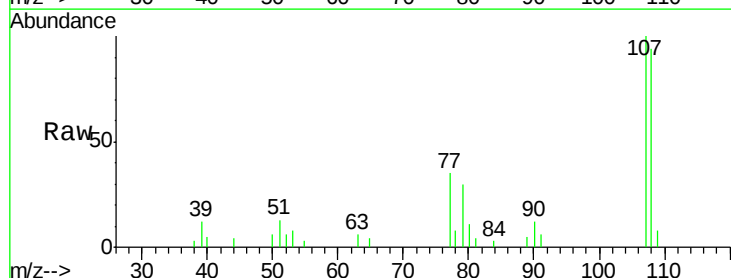
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

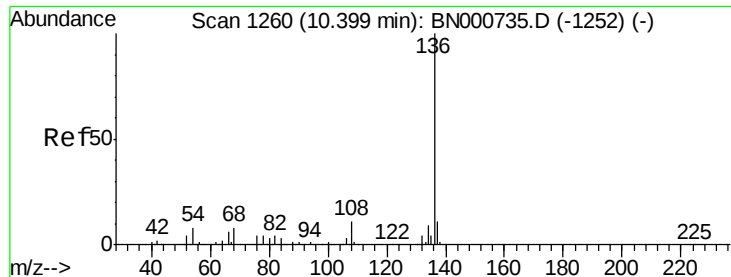
Tot Ion: 70 Resp: 12381
Ion Ratio Lower Upper
70 100
42 41.7 49.1 73.7#
101 9.1 8.5 12.7
130 17.0 13.4 20.0



#20
3+4-Methylphenols
Concen: 1.671 ng
RT: 8.39 min Scan# 919
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:107 Resp: 18787
Ion Ratio Lower Upper
107 100
108 93.5 61.6 101.6
77 34.9 13.9 53.9
79 29.7 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:136 Resp: 564040

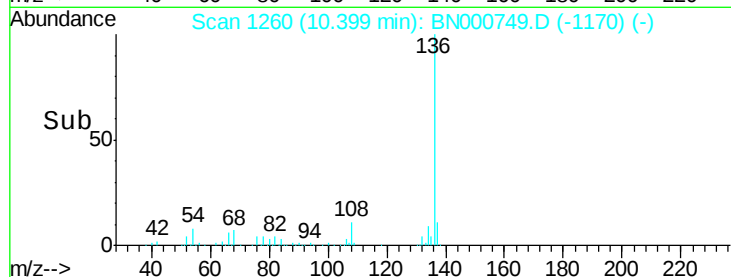
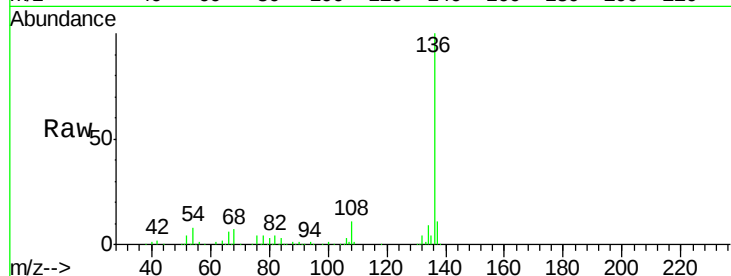
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.7 10.3 15.5#

68 7.4 4.5 6.7#



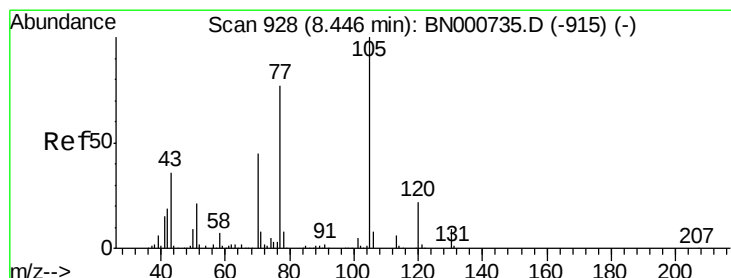
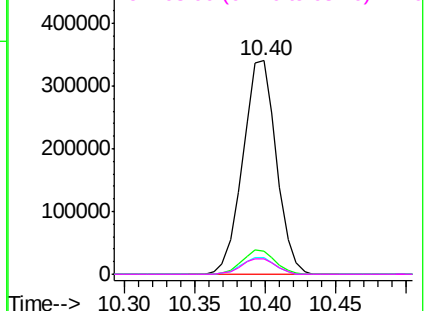
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#22

Acetophenone

Concen: 1.833 ng

RT: 8.44 min Scan# 927

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Tgt Ion:105 Resp: 29630

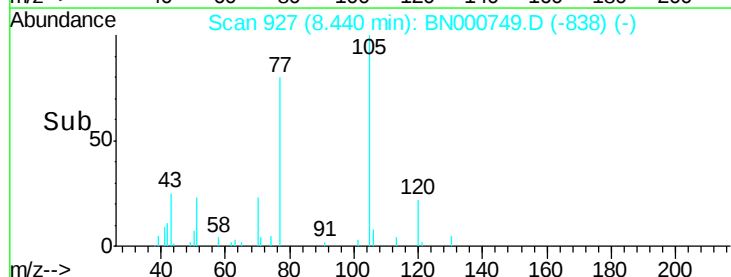
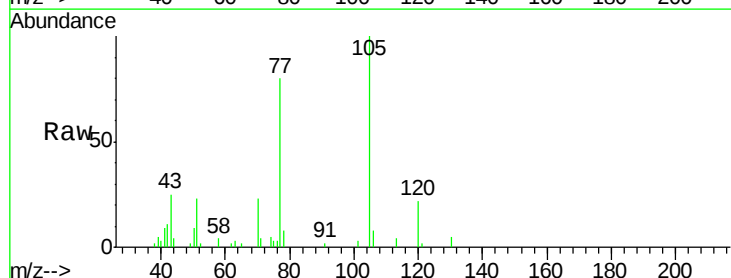
Ion Ratio Lower Upper

105 100

71 3.8 3.0 4.4

51 23.3 26.1 39.1#

120 21.7 17.4 26.2



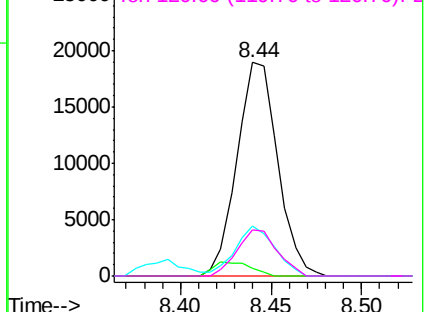
Abundance

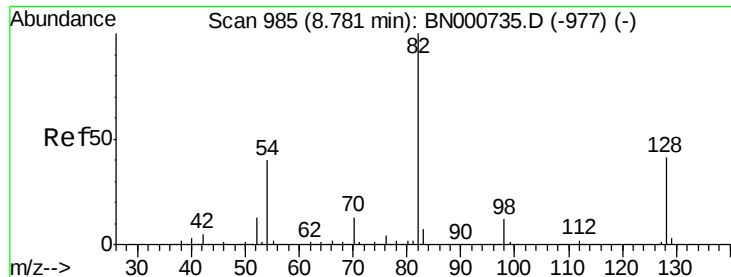
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E

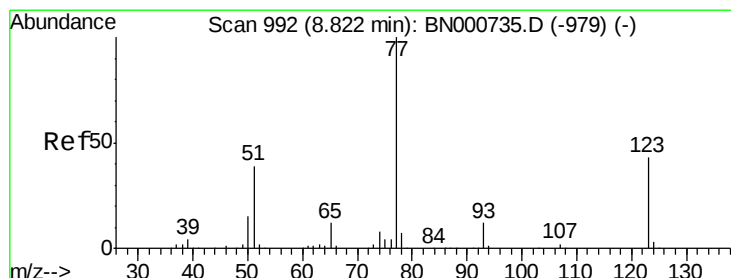
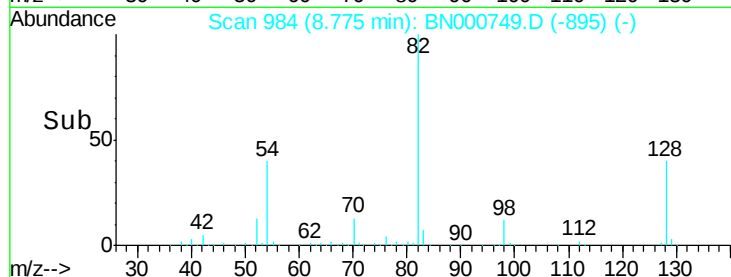
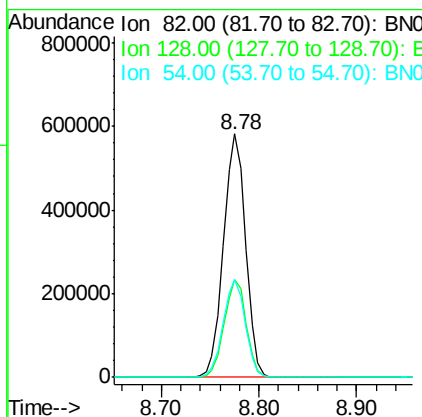
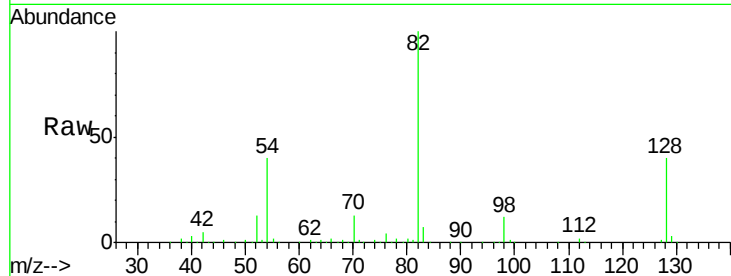




#23
 Nitrobenzene-d5
 Concen: 84.265 ng
 RT: 8.78 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

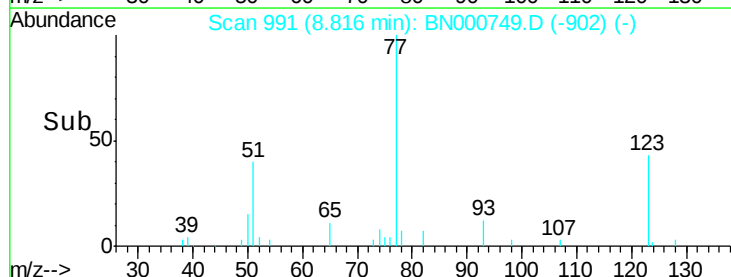
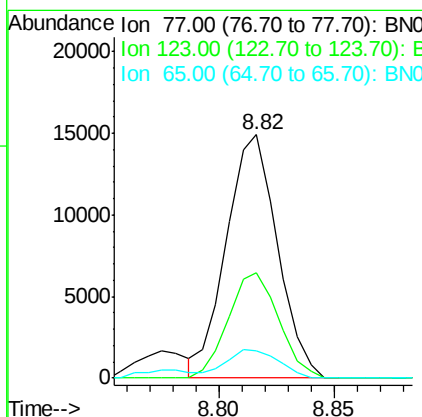
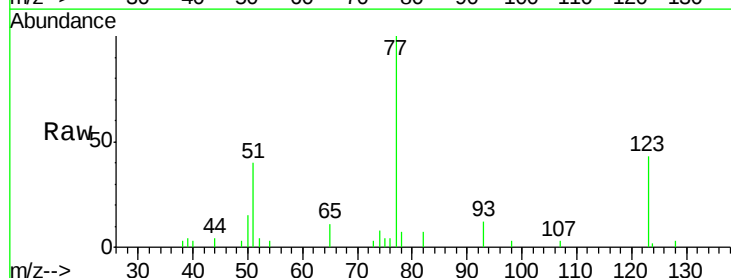
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

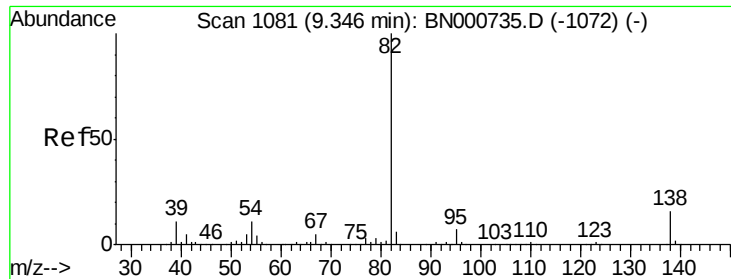
Tot Ion: 82 Resp: 911734
 Ion Ratio Lower Upper
 82 100
 128 40.4 29.7 44.5
 54 40.0 43.1 64.7#



#24
 Nitrobenzene
 Concen: 1.977 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion: 77 Resp: 22939
 Ion Ratio Lower Upper
 77 100
 123 43.2 33.0 49.6
 65 11.3 13.0 19.6#





#25

Isophorone

Concen: 1.597 ng

RT: 9.33 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

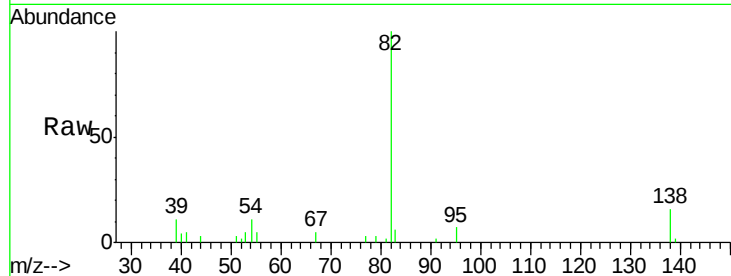
Tot Ion: 82 Resp: 31309

Ion Ratio Lower Upper

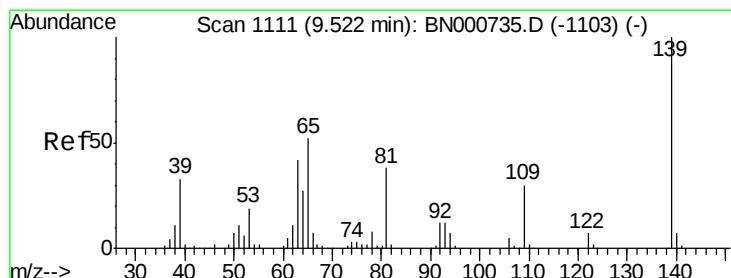
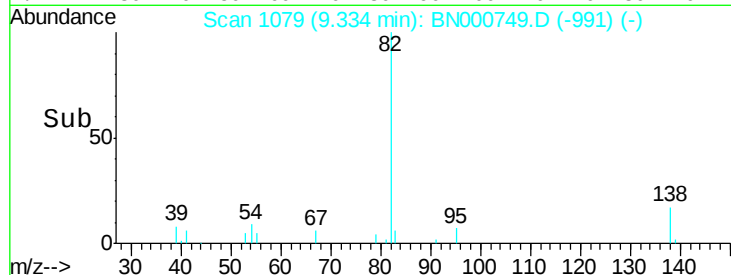
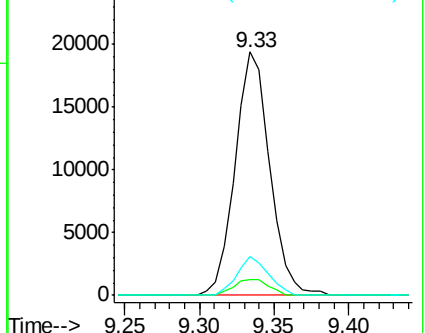
82 100

95 6.5 6.2 9.2

138 15.7 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 138.00 (137.70 to 138.70): BNC



#26

2-Nitrophenol

Concen: 1.261 ng

RT: 9.52 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

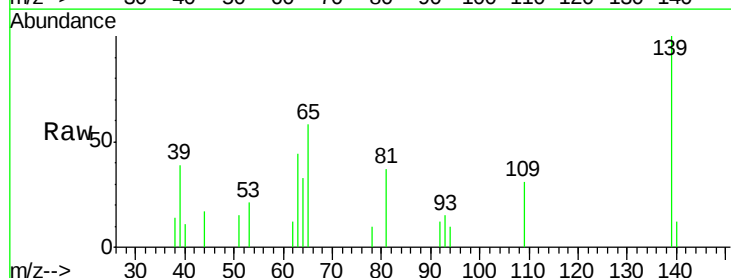
Tgt Ion: 139 Resp: 5995

Ion Ratio Lower Upper

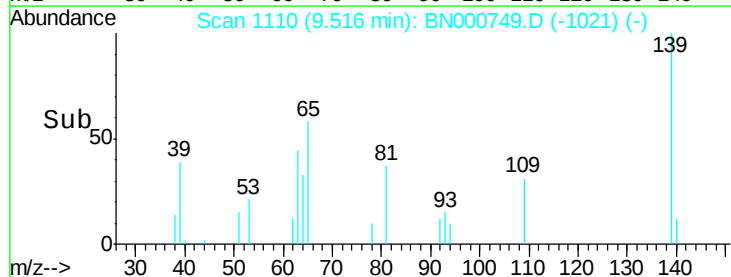
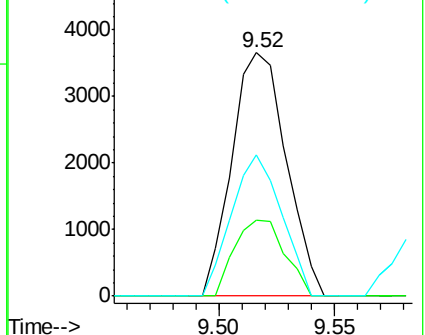
139 100

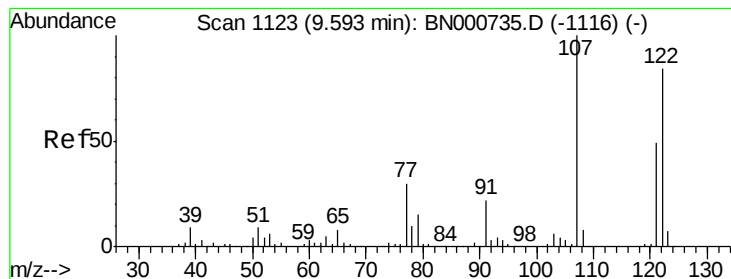
109 30.9 24.2 36.2

65 58.2 47.4 71.0



Abundance Ion 139.00 (138.70 to 139.70): BNC
Ion 109.00 (108.70 to 109.70): BNC
Ion 65.00 (64.70 to 65.70): BNC

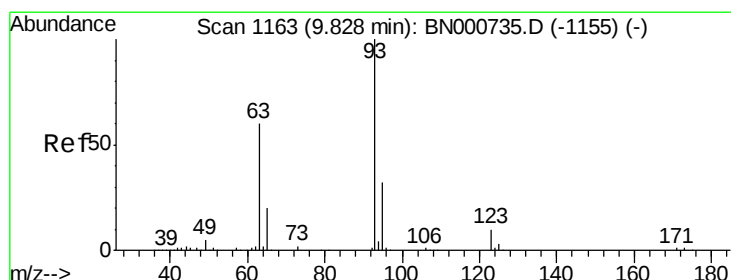
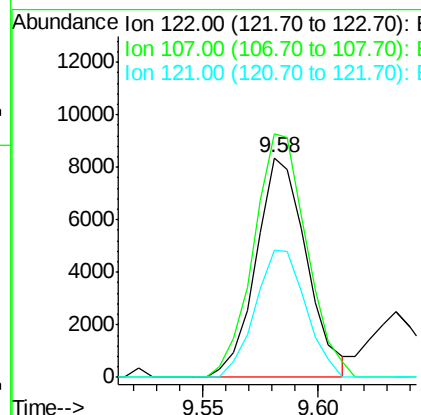
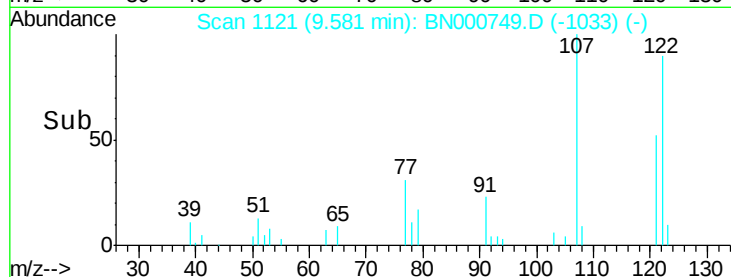
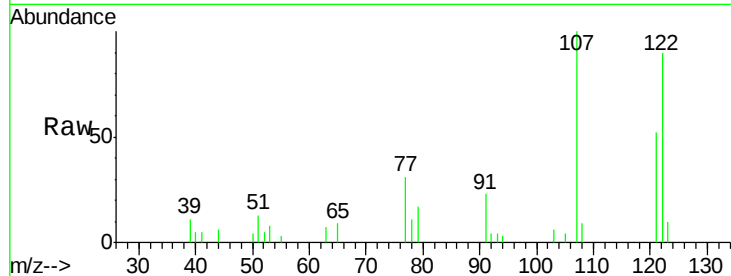




#27
 2,4-Dimethylphenol
 Concen: 1.646 ng
 RT: 9.58 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

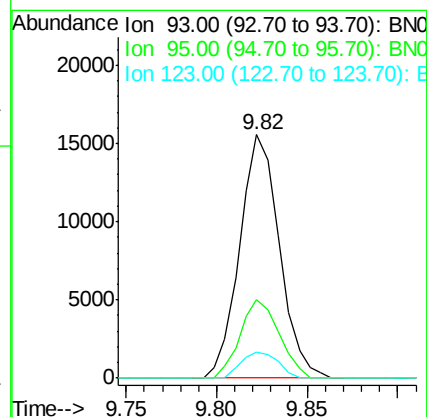
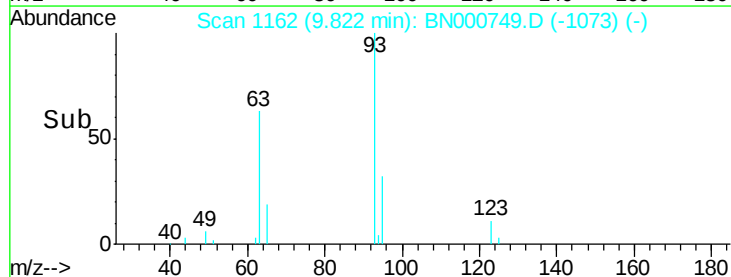
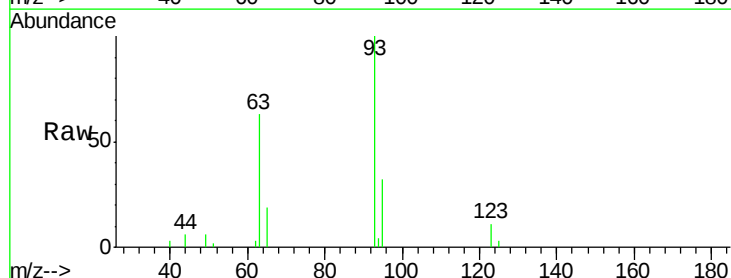
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

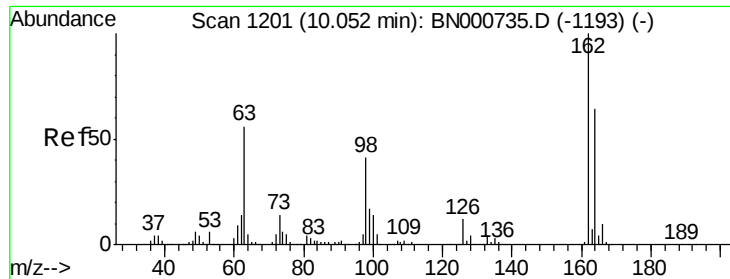
Tot Ion:122 Resp: 12770
 Ion Ratio Lower Upper
 122 100
 107 110.8 100.2 150.2
 121 58.0 44.4 66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 1.858 ng
 RT: 9.82 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion: 93 Resp: 23748
 Ion Ratio Lower Upper
 93 100
 95 32.4 24.3 36.5
 123 10.9 8.4 12.6

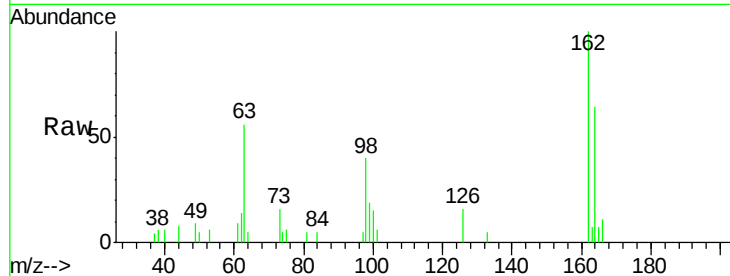




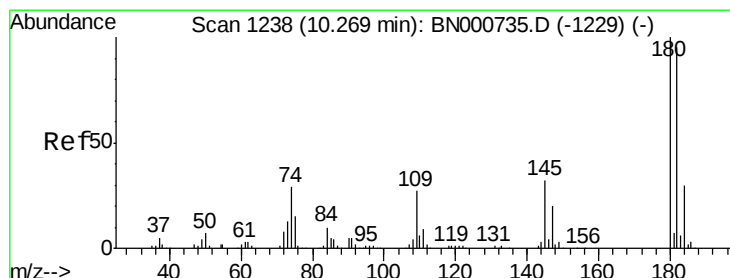
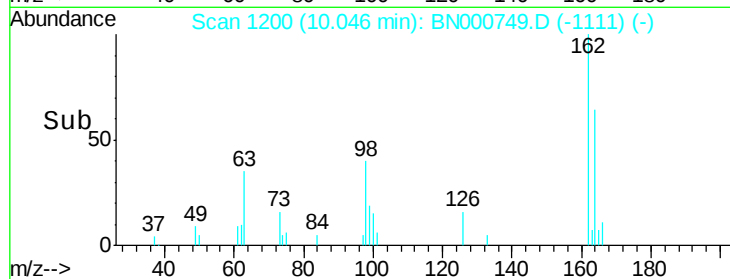
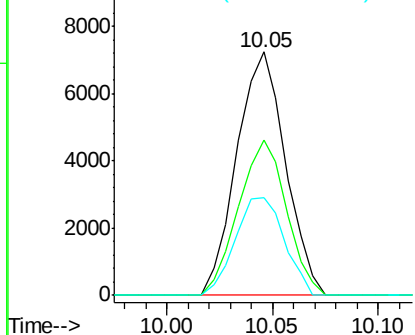
#29
2,4-Dichlorophenol
Concen: 1.514 ng
RT: 10.05 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

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

Tot Ion:162 Resp: 11571
Ion Ratio Lower Upper
162 100
164 63.6 48.0 88.0
98 39.9 21.1 61.1

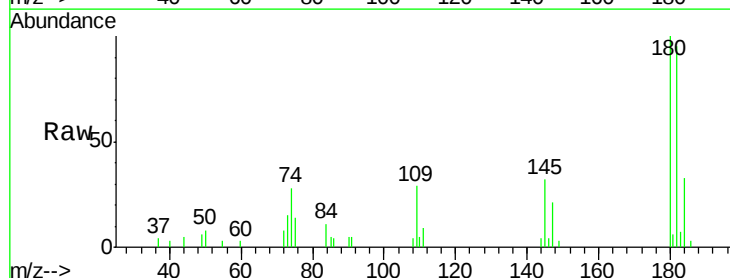


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BNC

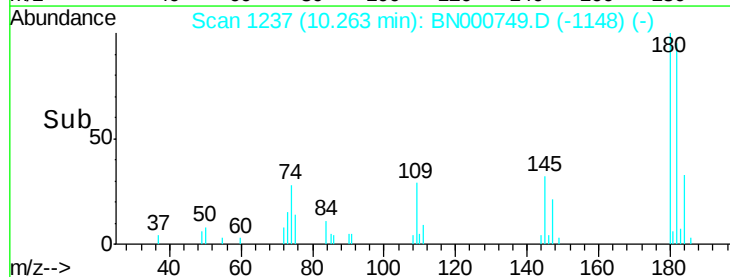
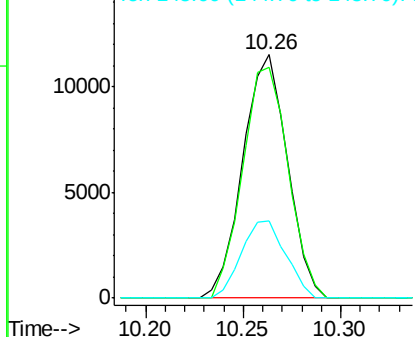


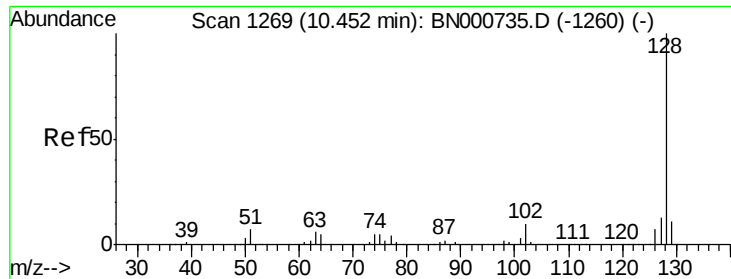
#30
1,2,4-Trichlorobenzene
Concen: 1.980 ng
RT: 10.26 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:180 Resp: 18238
Ion Ratio Lower Upper
180 100
182 94.8 77.5 116.3
145 31.8 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

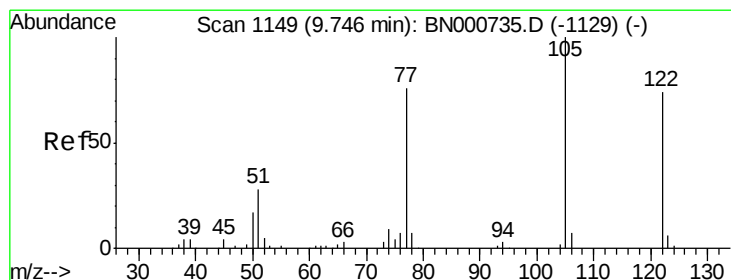
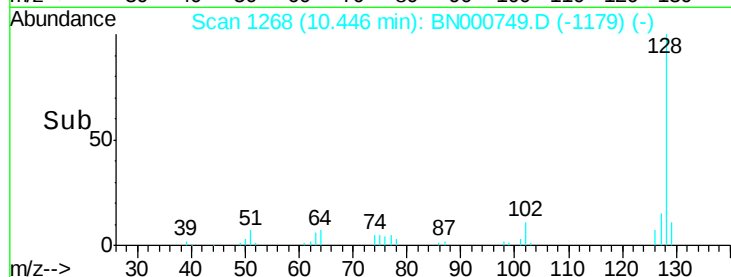
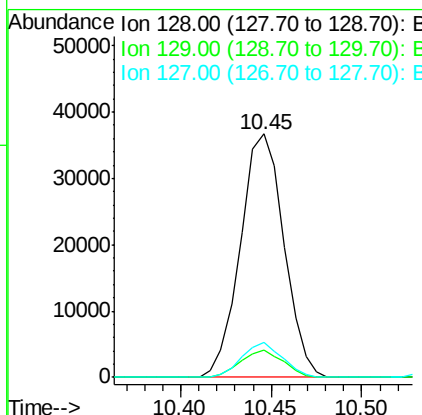
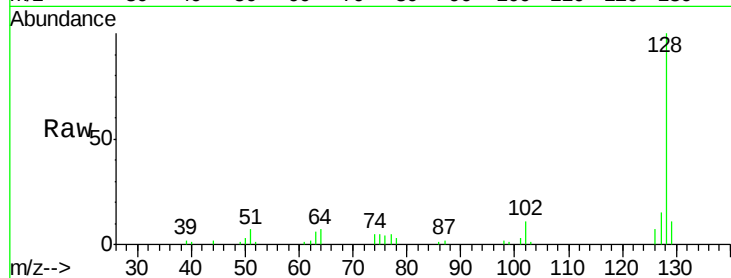




#31
Naphthalene
Concen: 2.024 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

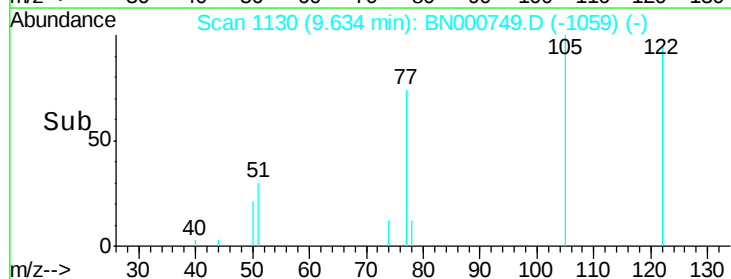
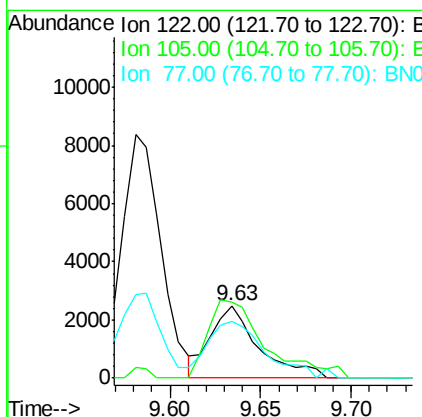
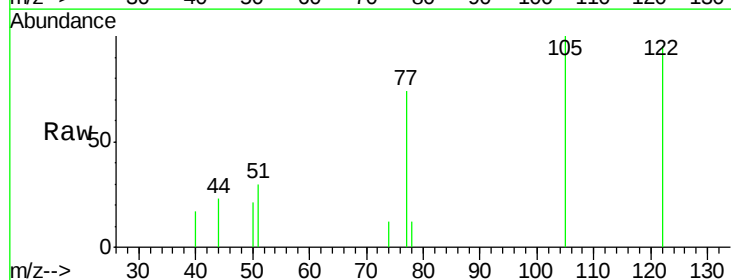
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

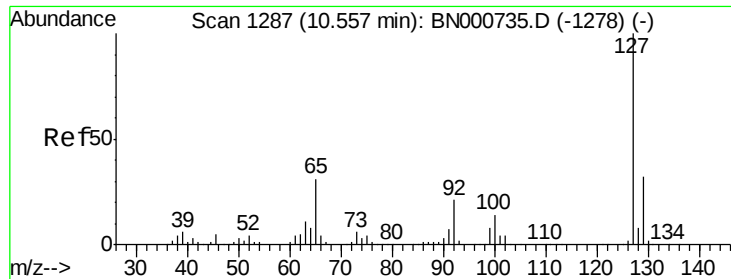
Tot Ion:128 Resp: 61374
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 14.6 11.6 17.4



#32
Benzoic acid
Concen: 5.166 ng
RT: 9.63 min Scan# 1130
Delta R.T. -0.11 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:122 Resp: 4584
Ion Ratio Lower Upper
122 100
105 105.4 123.5 163.5#
77 78.1 85.7 125.7#

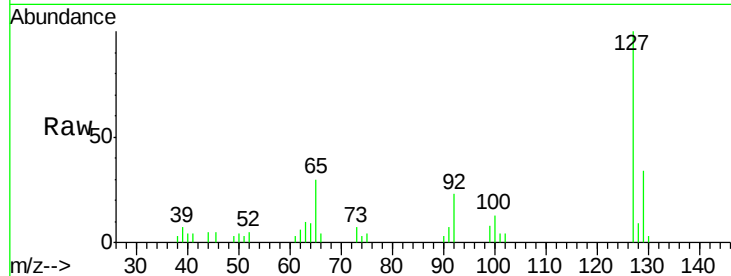




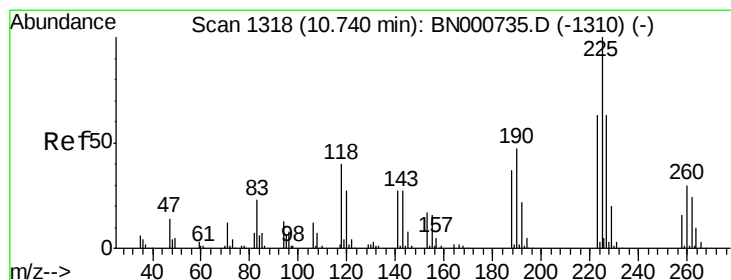
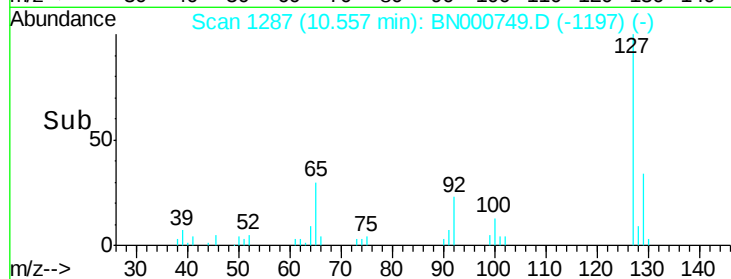
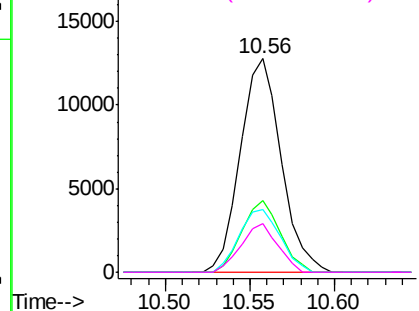
#33
4-Chloroaniline
Concen: 1.737 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

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

Tot Ion:127	Resp:	21504
Ion Ratio	Lower	Upper
127	100	
129	33.6	24.0 36.0
65	29.5	27.0 40.4
92	22.6	16.6 25.0

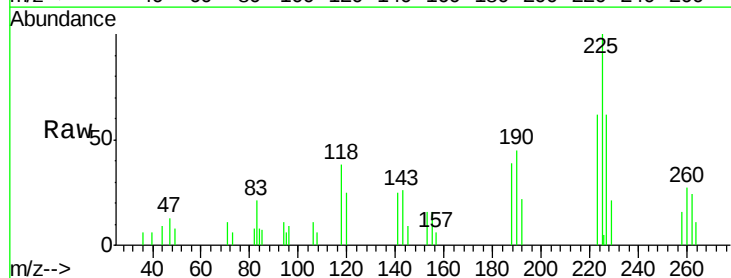


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BNC
Ion 92.00 (91.70 to 92.70): BNC

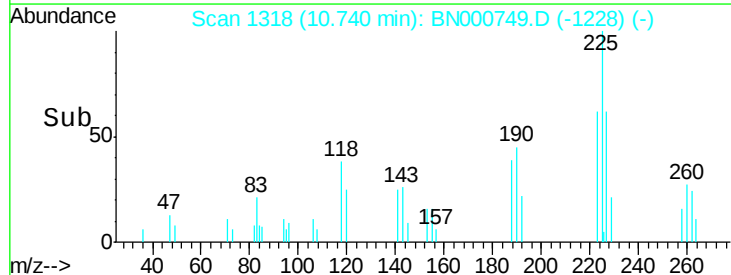
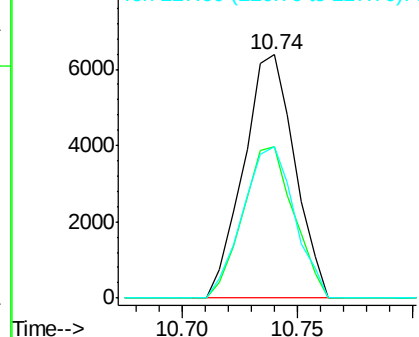


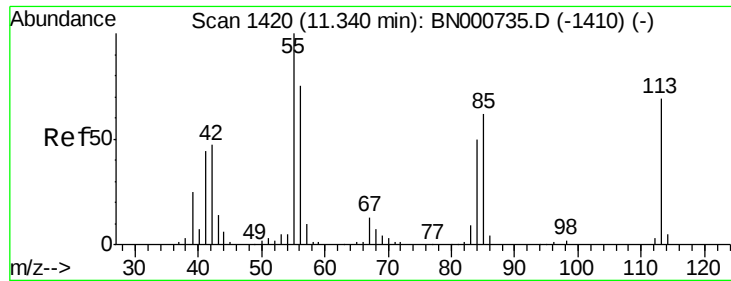
#34
Hexachlorobutadiene
Concen: 1.967 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:225	Resp:	9840
Ion Ratio	Lower	Upper
225	100	
223	62.3	49.7 74.5
227	62.1	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: 0.884 ng

RT: 11.30 min Scan# 1413

Delta R.T. -0.04 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

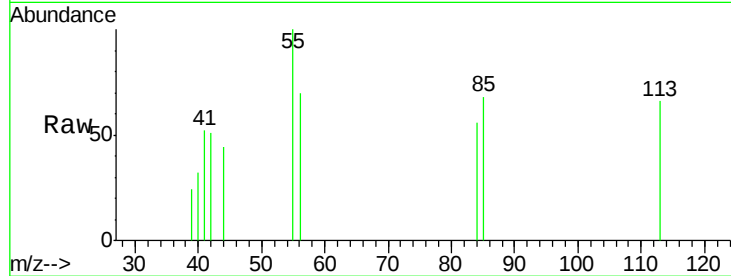
Tot Ion:113 Resp: 2337

Ion Ratio Lower Upper

113 100

55 152.4 120.0 160.0

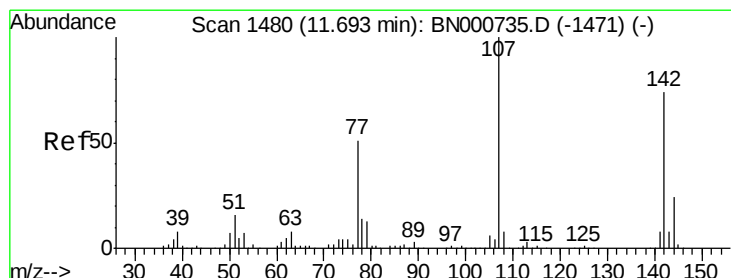
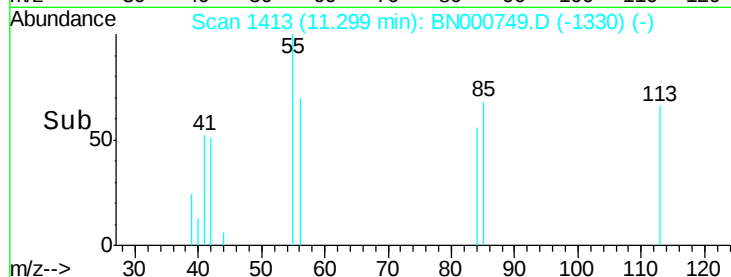
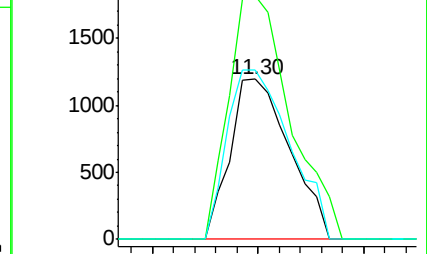
56 106.0 90.0 130.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#36

4-Chloro-3-methylphenol

Concen: 1.440 ng

RT: 11.68 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

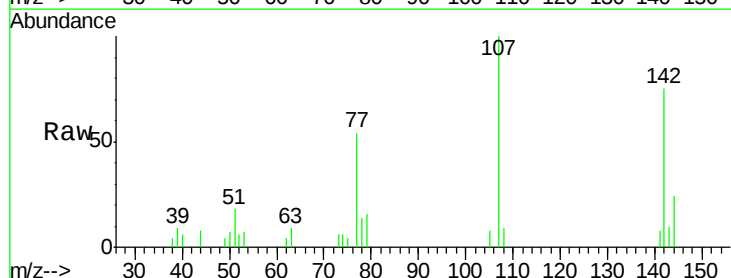
Tgt Ion:107 Resp: 12993

Ion Ratio Lower Upper

107 100

144 24.4 18.2 27.4

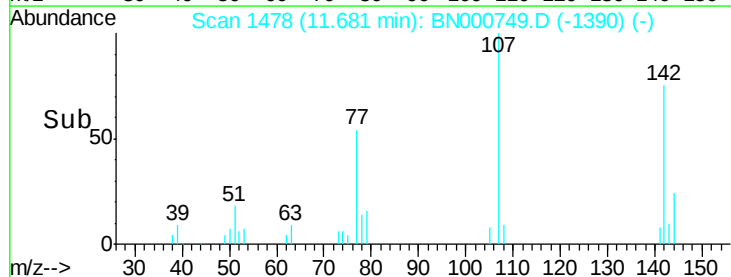
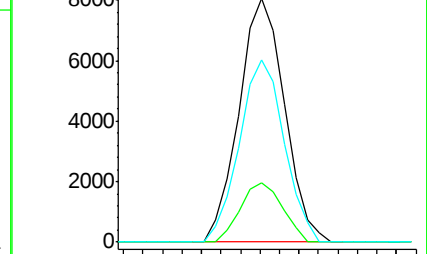
142 74.7 59.0 88.4

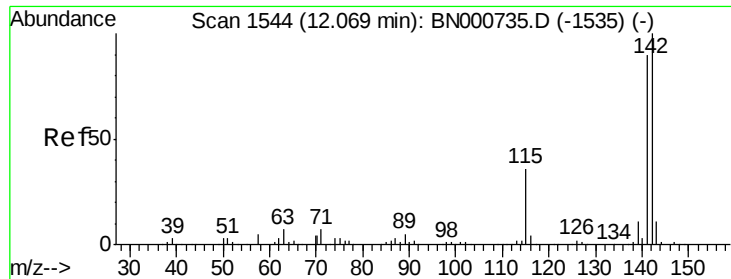


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

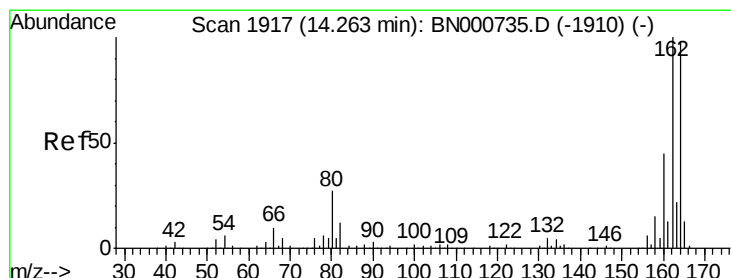
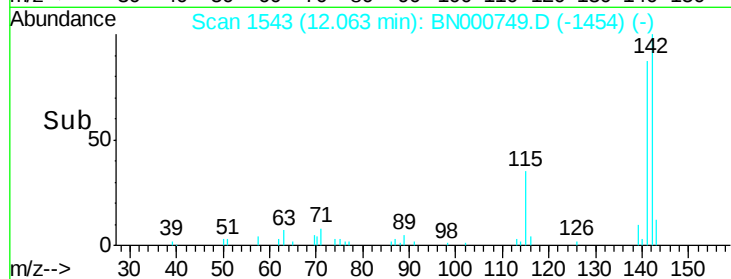
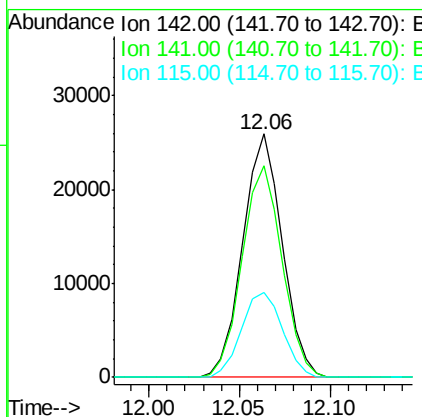
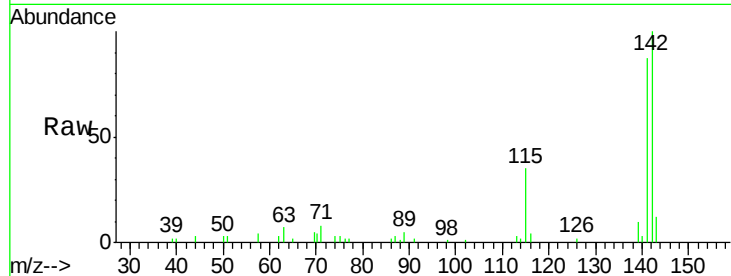




#37
2-Methylnaphthalene
Concen: 1.976 ng
RT: 12.06 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

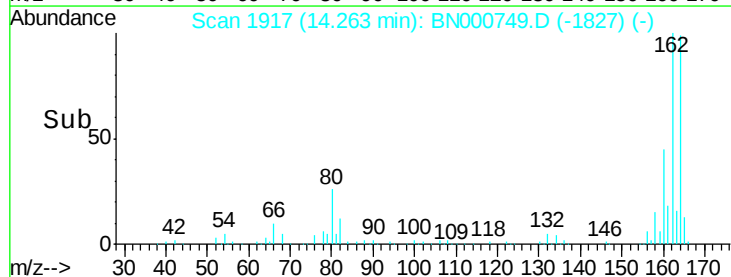
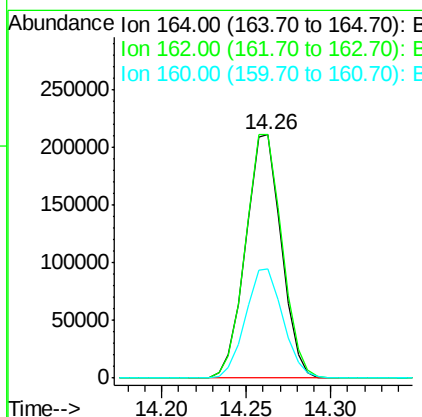
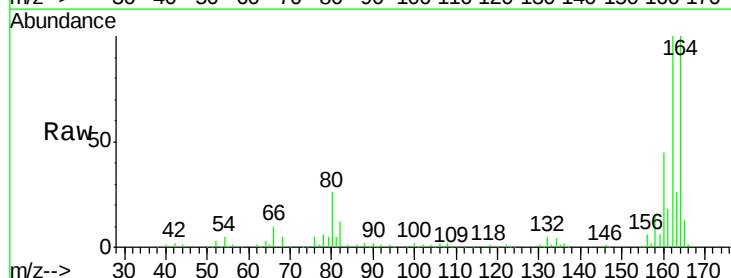
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

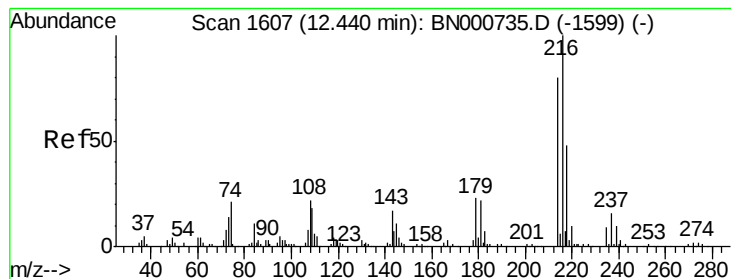
Tot Ion:142 Resp: 39245
Ion Ratio Lower Upper
142 100
141 87.0 67.1 100.7
115 34.8 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:164 Resp: 311595
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 45.1 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.924 ng

RT: 12.43 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tot Ion:216 Resp: 18596

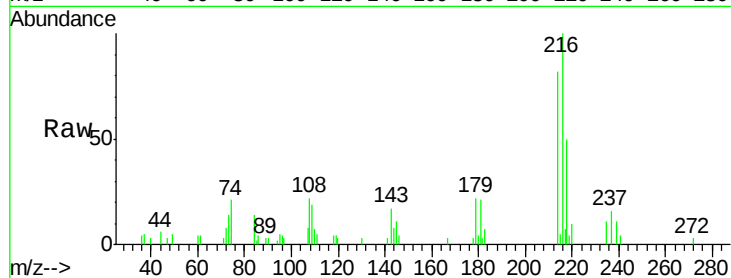
Ion Ratio Lower Upper

216 100

214 80.9 63.0 94.4

179 22.7 17.0 25.6

108 24.0 12.8 19.2#

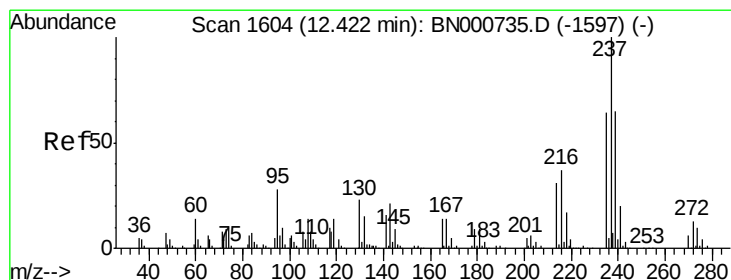
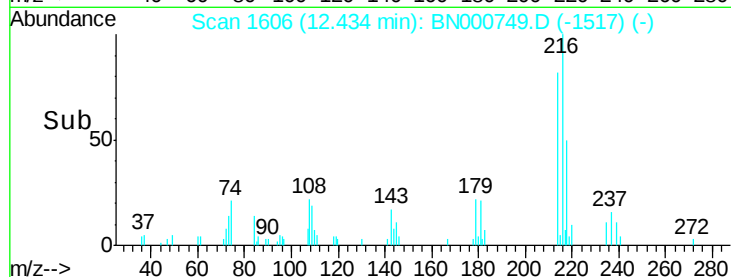
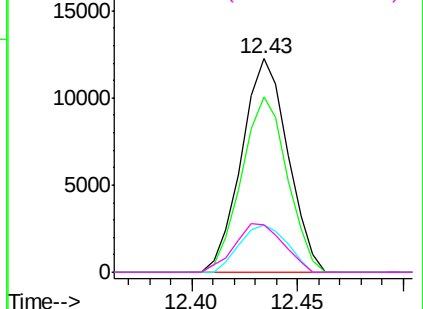


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 1.538 ng

RT: 12.42 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

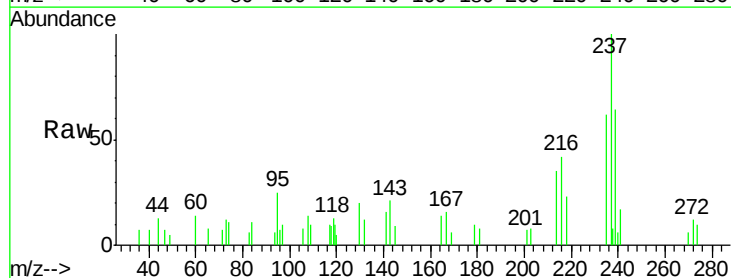
Tgt Ion:237 Resp: 8715

Ion Ratio Lower Upper

237 100

235 62.3 50.4 90.4

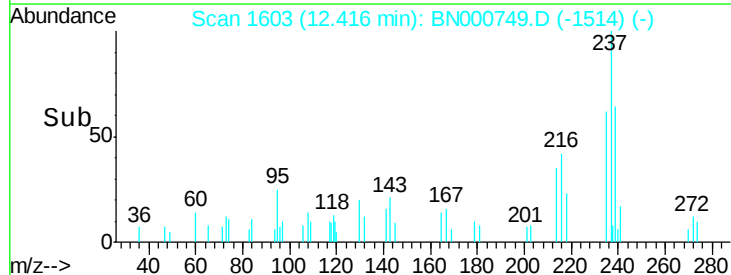
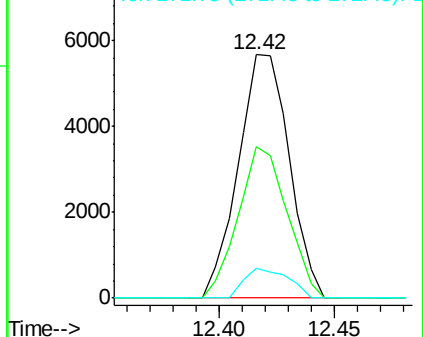
272 12.1 0.0 31.8

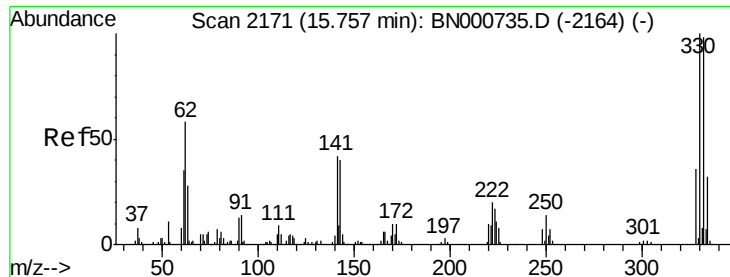


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

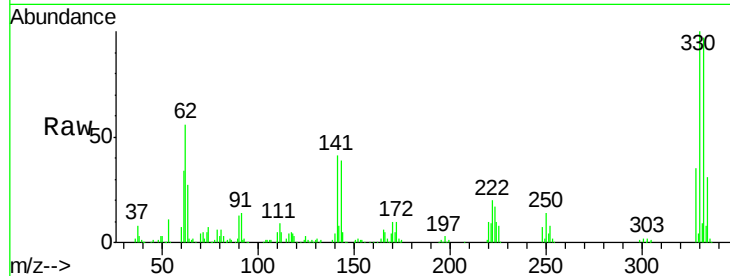




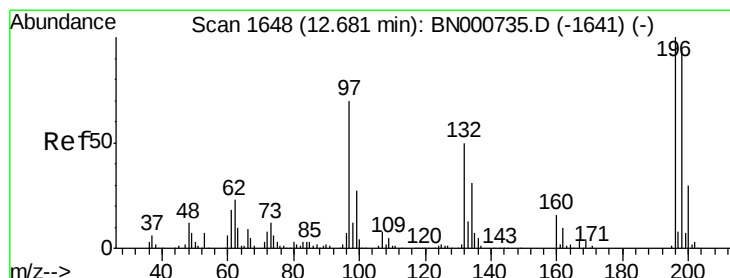
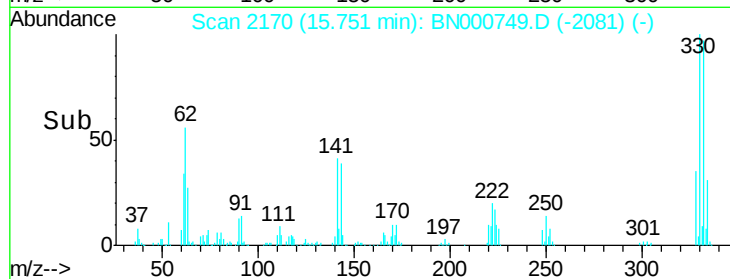
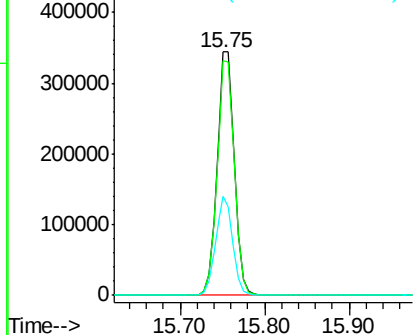
#41
 2,4,6-Tribromophenol
 Concen: 158.142 ng
 RT: 15.75 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

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

Tot Ion:330 Resp: 496067
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 40.2 25.2 37.8#

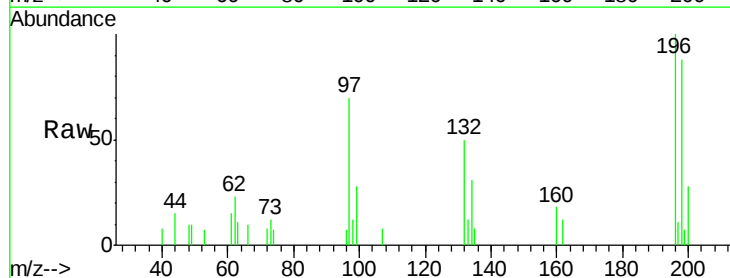


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

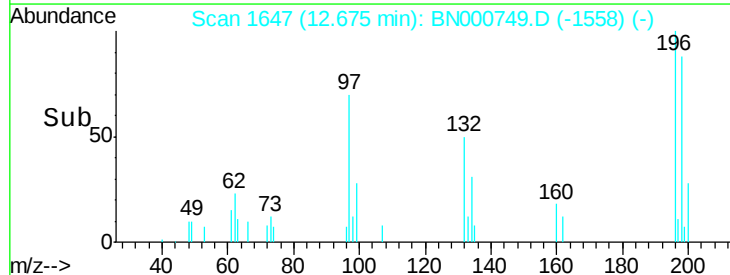
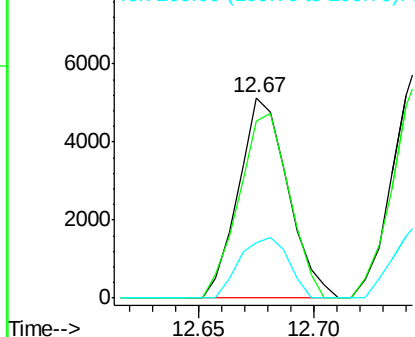


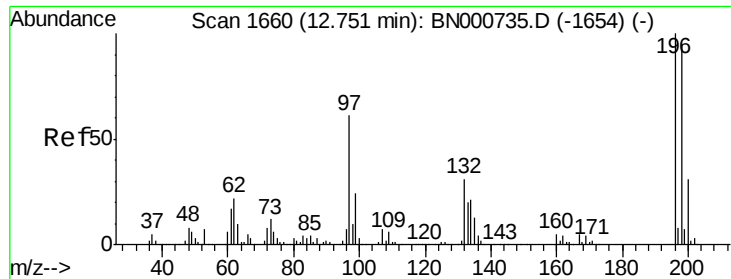
#42
 2,4,6-Trichlorophenol
 Concen: 1.305 ng
 RT: 12.67 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:196 Resp: 7646
 Ion Ratio Lower Upper
 196 100
 198 88.2 78.2 117.2
 200 27.9 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

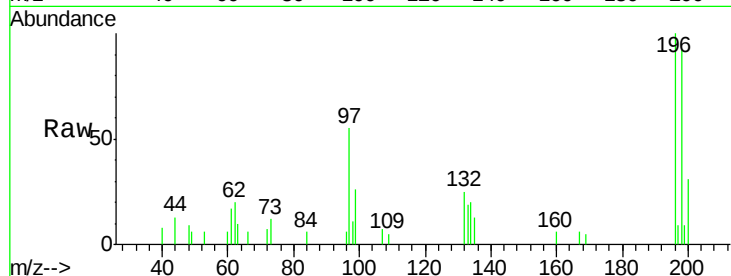




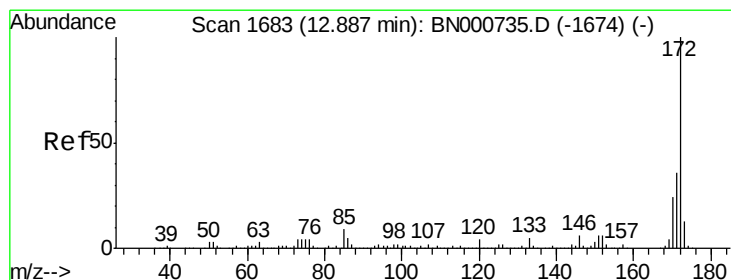
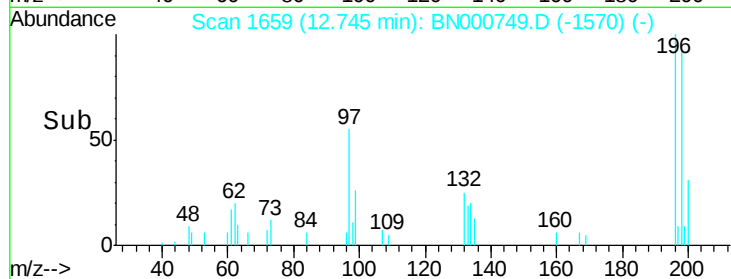
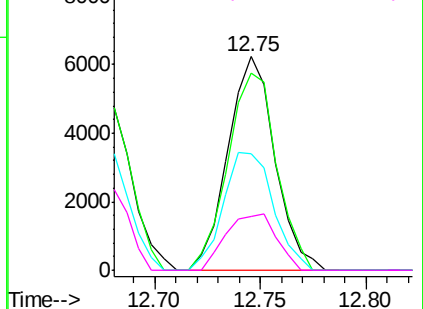
#43
 2,4,5-Trichlorophenol
 Concen: 1.420 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

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

Tot Ion:196 Resp: 9614
 Ion Ratio Lower Upper
 196 100
 198 92.5 76.2 114.4
 97 54.7 38.7 58.1
 132 25.3 20.2 30.2

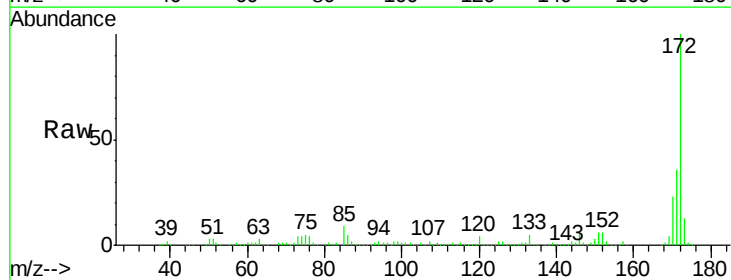


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BNC
 Ion 132.00 (131.70 to 132.70): E

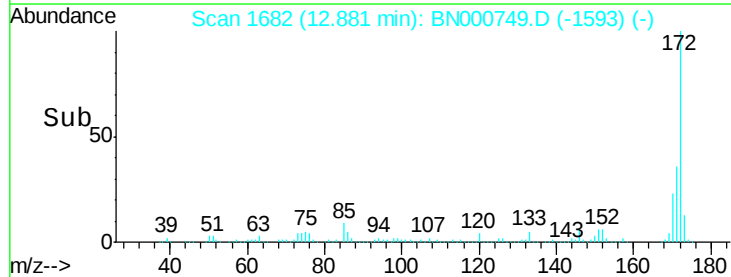
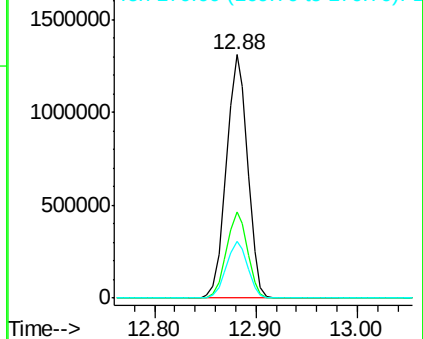


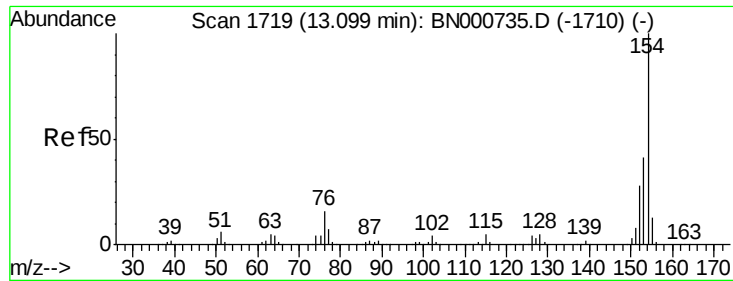
#44
 2-Fluorobiphenyl
 Concen: 84.133 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:172 Resp: 1899029
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.0 45.0
 170 23.4 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

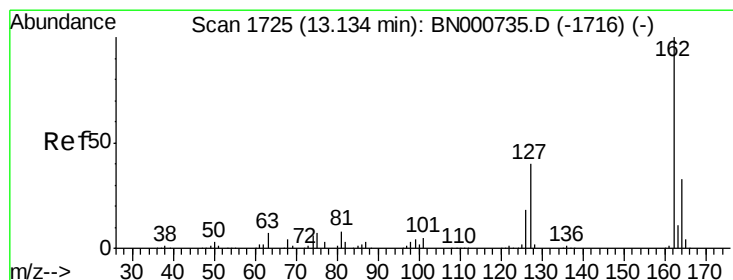
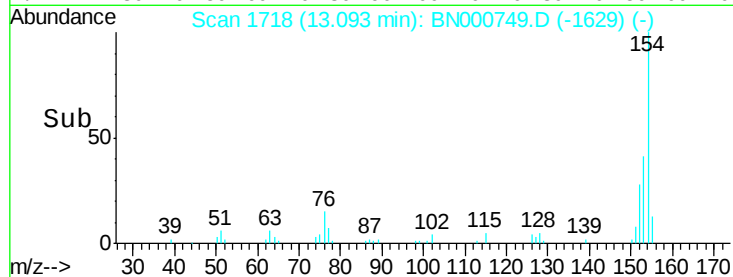
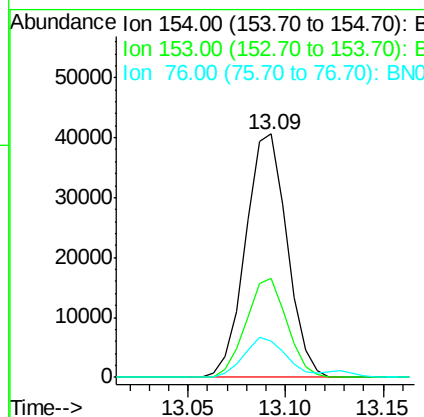
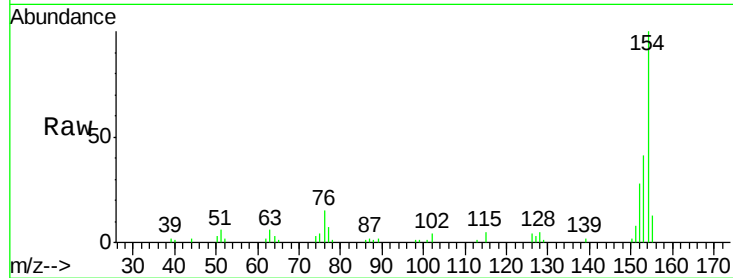




#45
 1,1'-Biphenyl
 Concen: 2.142 ng
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

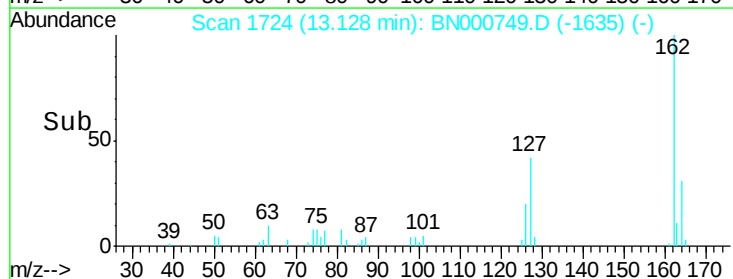
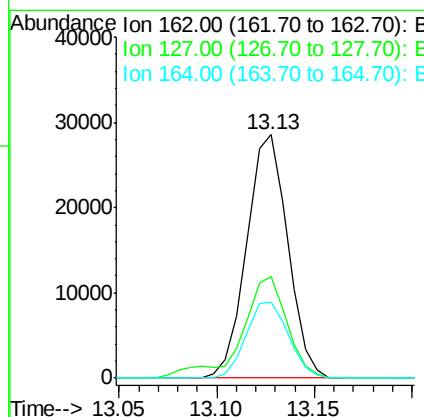
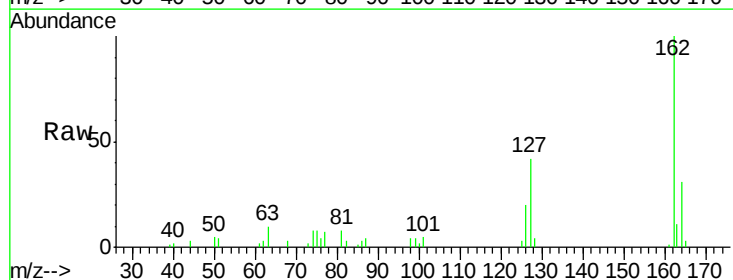
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

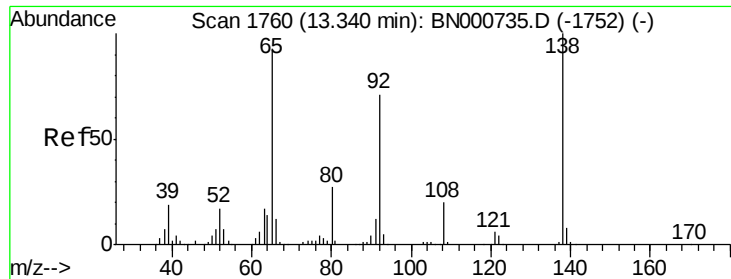
Tot Ion:154 Resp: 59748
 Ion Ratio Lower Upper
 154 100
 153 40.7 19.8 59.8
 76 14.8 0.0 31.9



#46
 2-Chloronaphthalene
 Concen: 1.992 ng
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:162 Resp: 41658
 Ion Ratio Lower Upper
 162 100
 127 42.0 30.7 46.1
 164 31.3 26.0 39.0

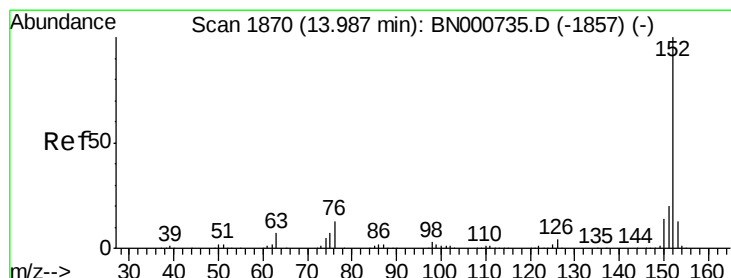
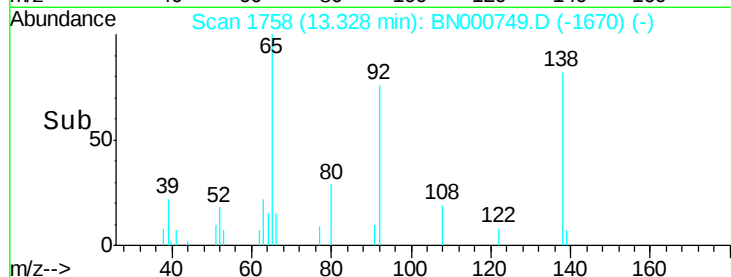
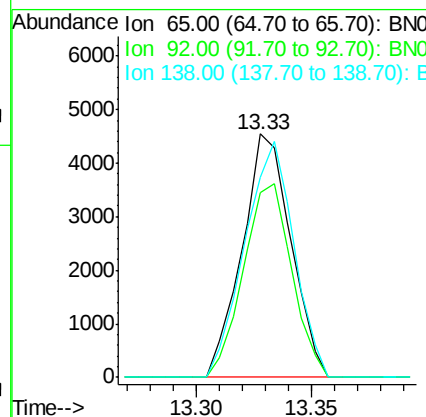
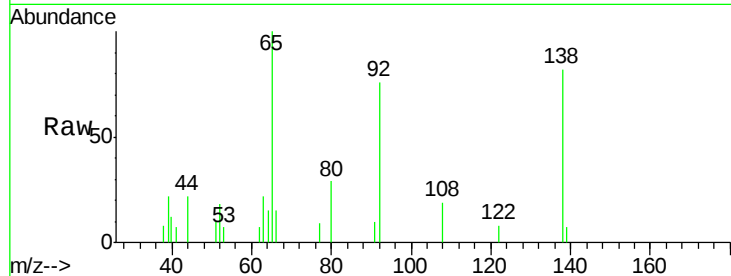




#47
2-Nitroaniline
Concen: 1.104 ng
RT: 13.33 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

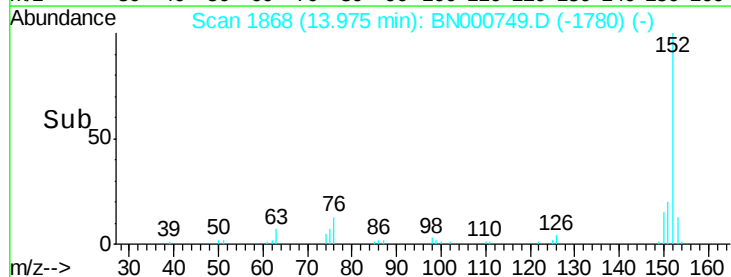
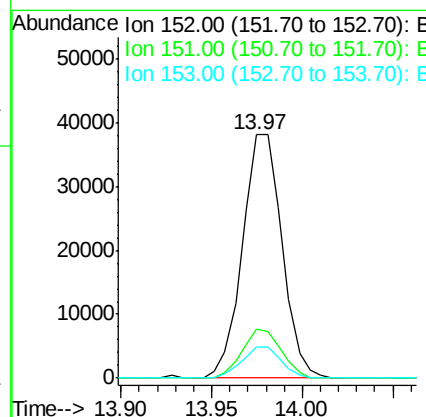
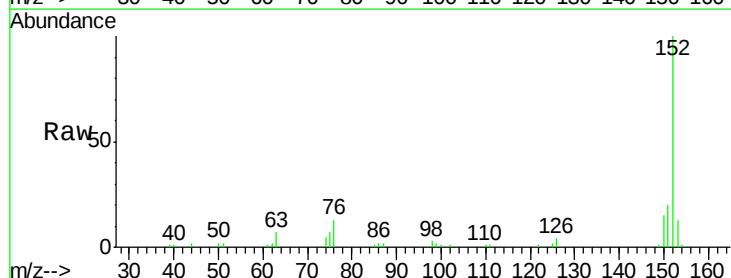
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

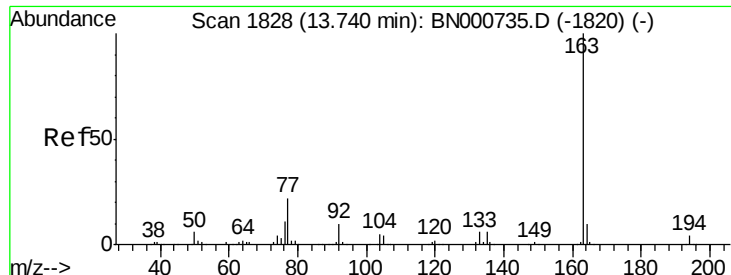
Tot Ion: 65 Resp: 6698
Ion Ratio Lower Upper
65 100
92 75.9 54.6 82.0
138 82.2 72.9 109.3



#48
Acenaphthylene
Concen: 1.746 ng
RT: 13.97 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion: 152 Resp: 57882
Ion Ratio Lower Upper
152 100
151 19.9 17.2 25.8
153 12.9 10.2 15.4





#49

Dimethylphthalate

Concen: 1.851 ng

RT: 13.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

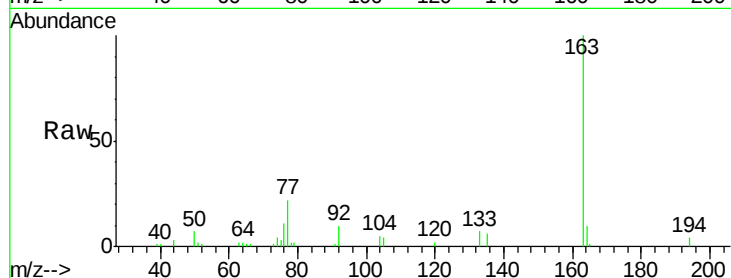
Tot Ion:163 Resp: 46096

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.2

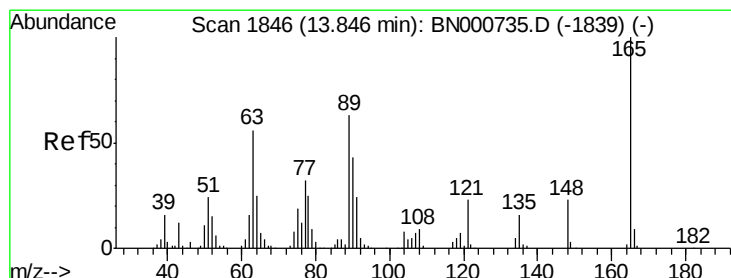
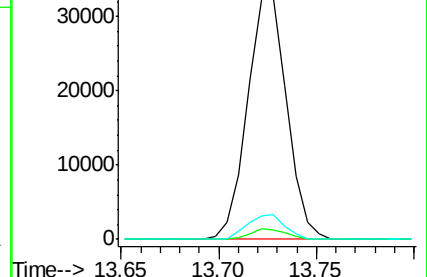
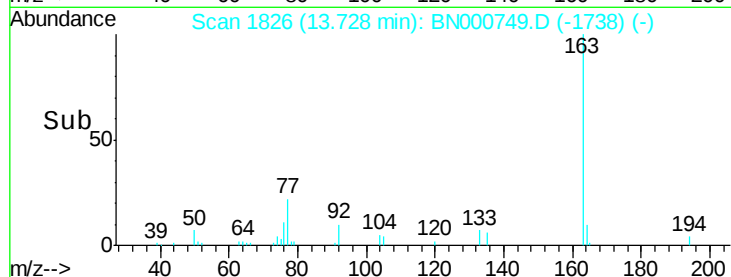
164 10.0 8.2 12.4



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: 1.344 ng

RT: 13.83 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

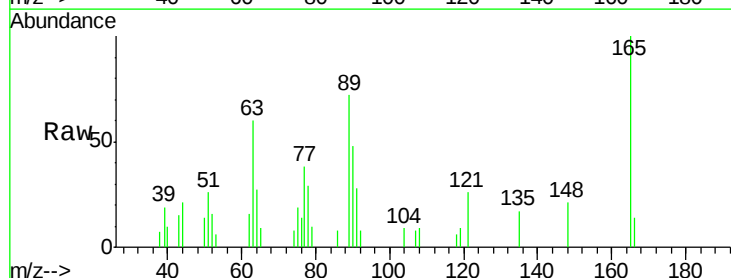
Tgt Ion:165 Resp: 7089

Ion Ratio Lower Upper

165 100

63 60.0 52.7 79.1

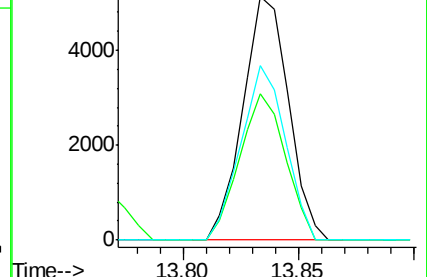
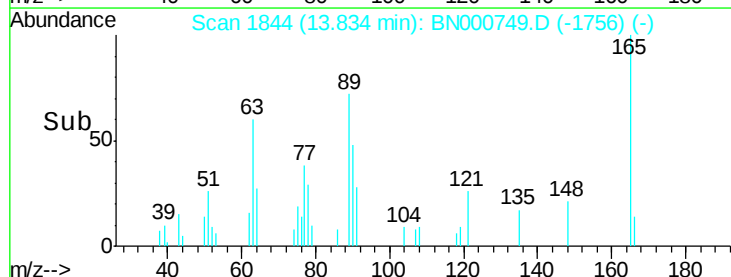
89 71.9 49.2 73.8

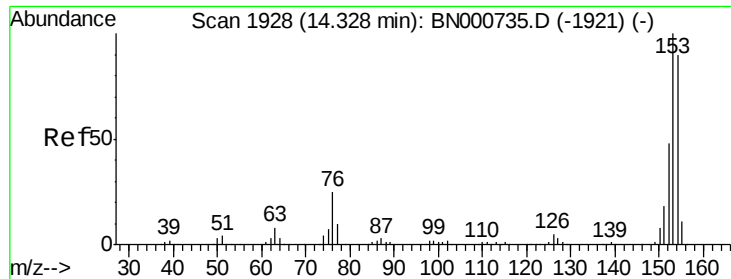


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 2.015 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

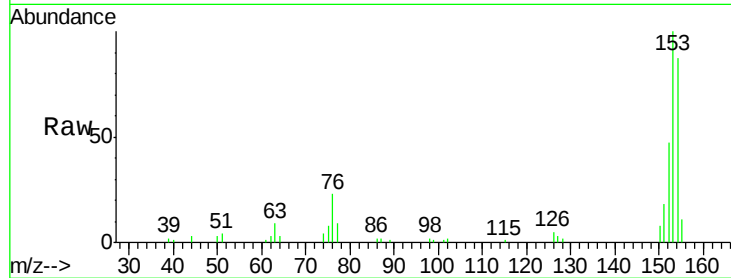
Tot Ion:154 Resp: 40725

Ion Ratio Lower Upper

154 100

153 114.5 90.4 135.6

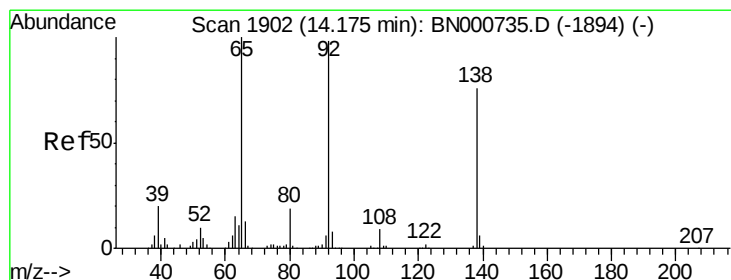
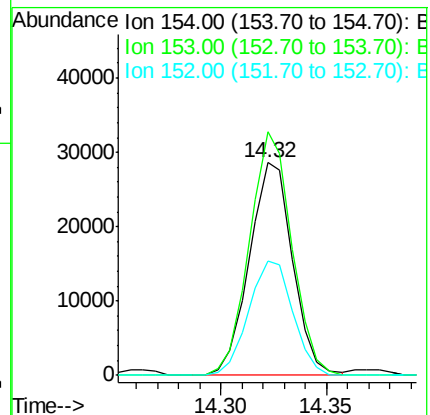
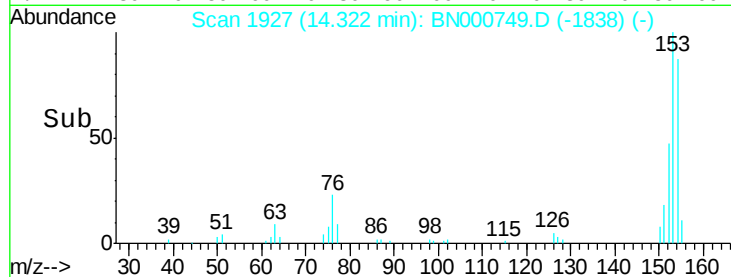
152 53.9 41.6 62.4



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: 1.181 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

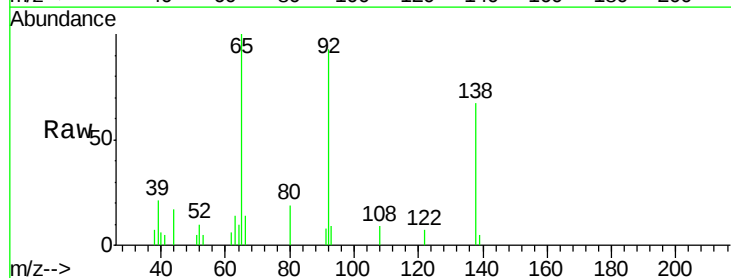
Tgt Ion:138 Resp: 7092

Ion Ratio Lower Upper

138 100

108 13.9 17.5 26.3#

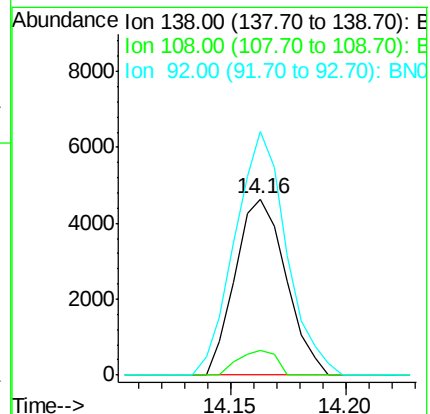
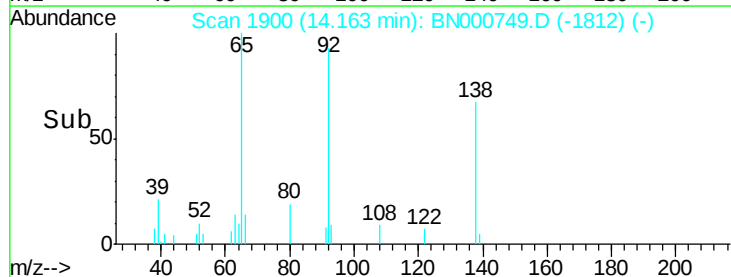
92 138.4 105.8 158.8

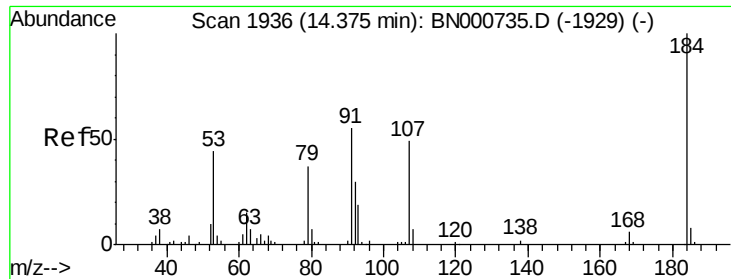


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

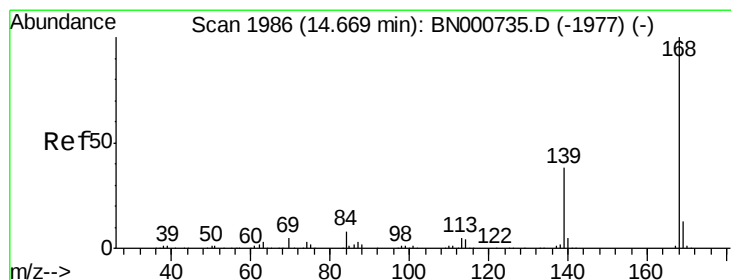
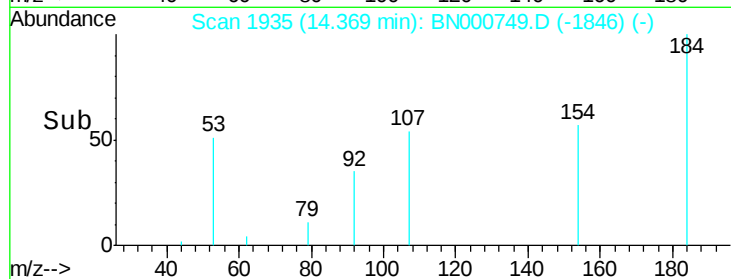
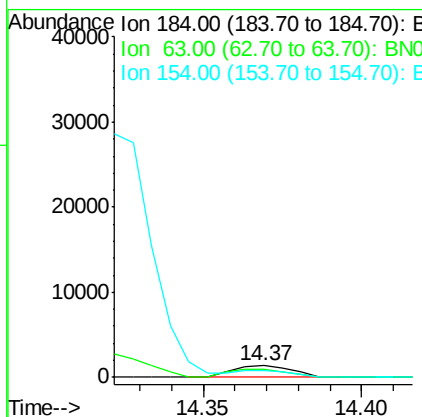
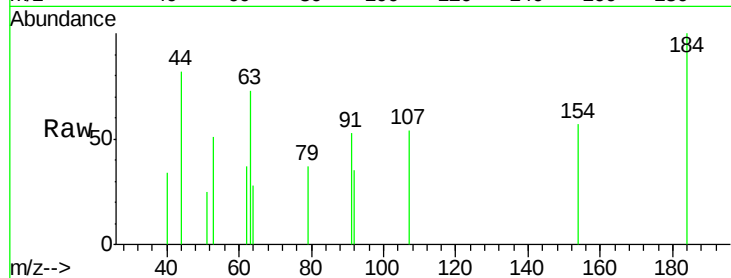




#53
 2,4-Dinitrophenol
 Concen: 6.284 ng
 RT: 14.37 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

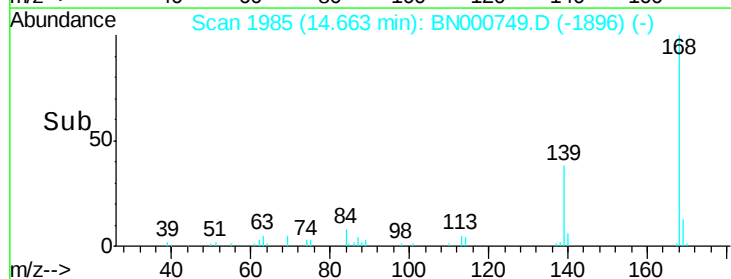
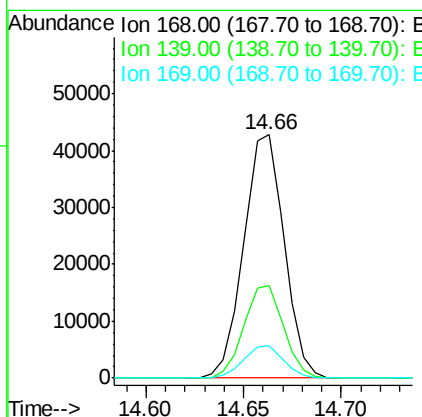
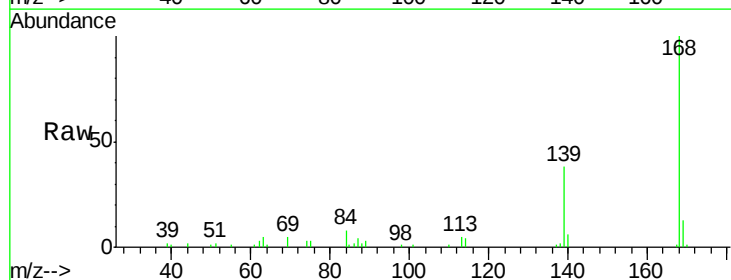
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

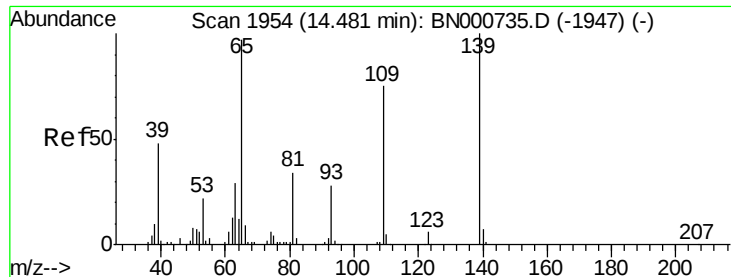
Tot Ion:184 Resp: 1744
 Ion Ratio Lower Upper
 184 100
 63 72.7 56.0 84.0
 154 57.4 48.0 72.0



#54
 Dibenzofuran
 Concen: 2.086 ng
 RT: 14.66 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:168 Resp: 61354
 Ion Ratio Lower Upper
 168 100
 139 37.8 28.6 43.0
 169 13.2 11.2 16.8

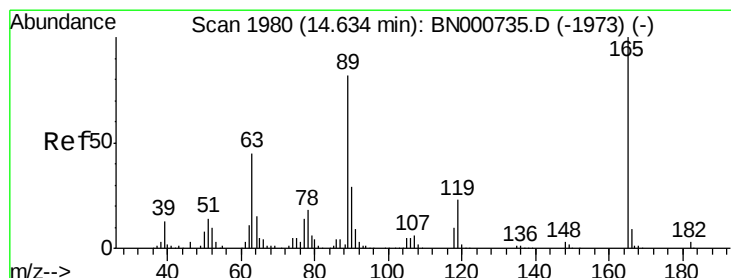
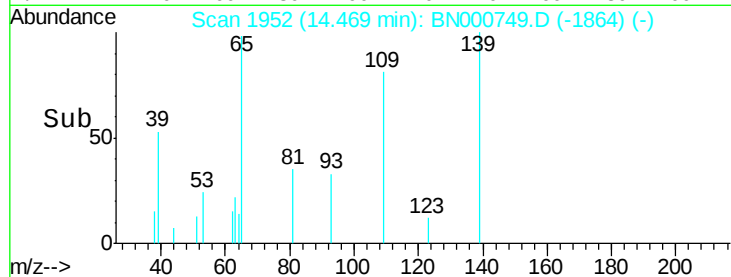
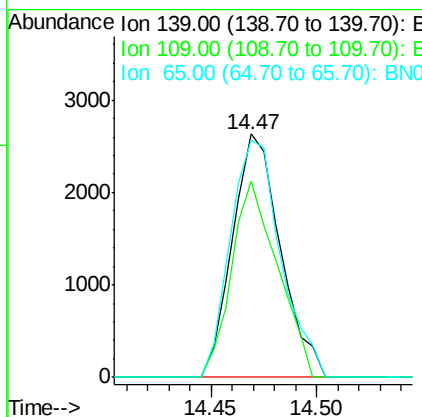
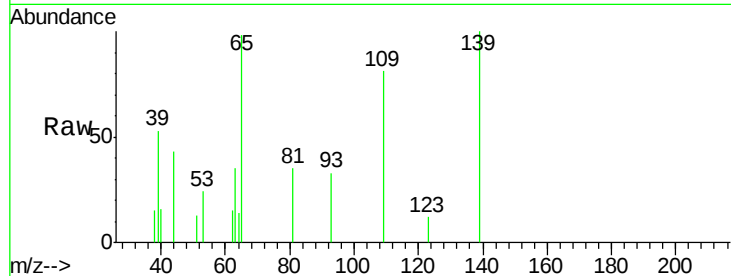




#55
4-Nitrophenol
Concen: 0.932 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

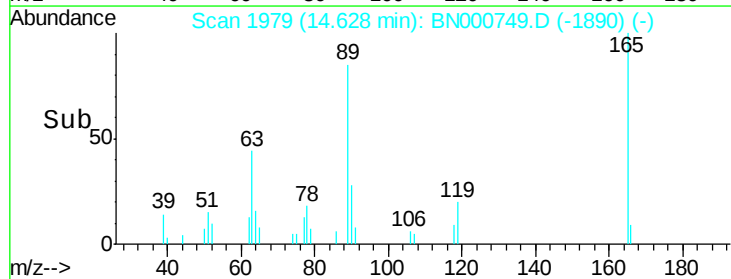
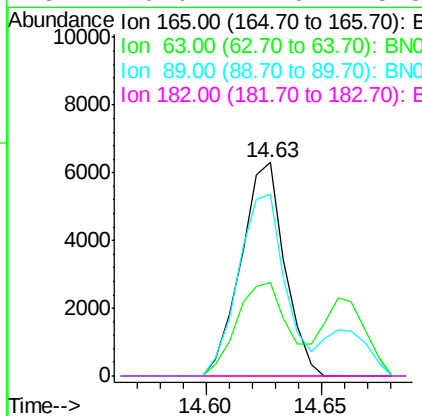
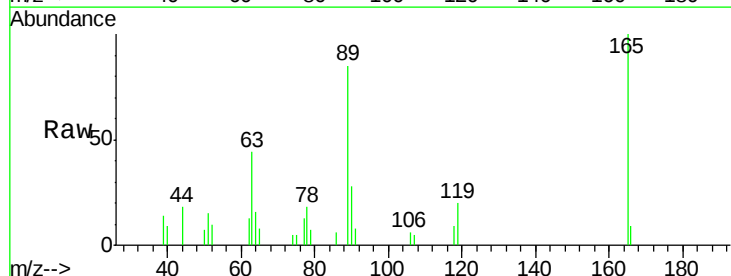
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

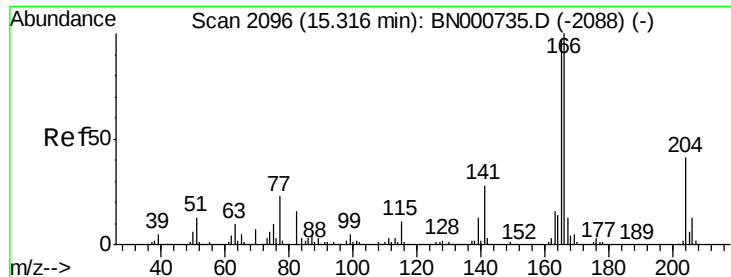
Tot Ion:139 Resp: 4155
Ion Ratio Lower Upper
139 100
109 80.6 62.2 102.2
65 97.5 97.2 137.2



#56
2,4-Dinitrotoluene
Concen: 1.204 ng
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:165 Resp: 8311
Ion Ratio Lower Upper
165 100
63 44.0 42.0 63.0
89 85.2 66.9 100.3
182 0.0 2.6 3.8#

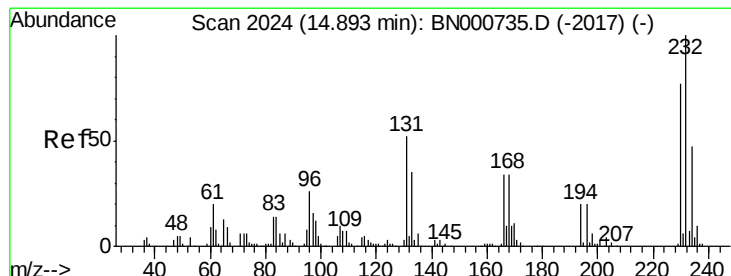
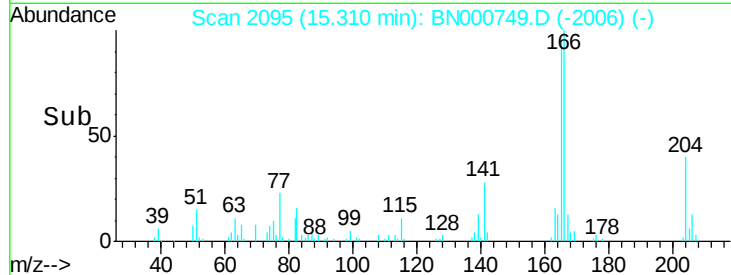
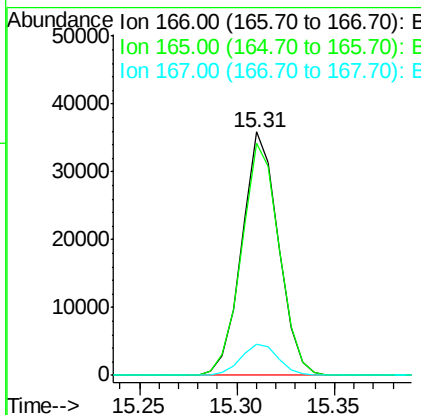
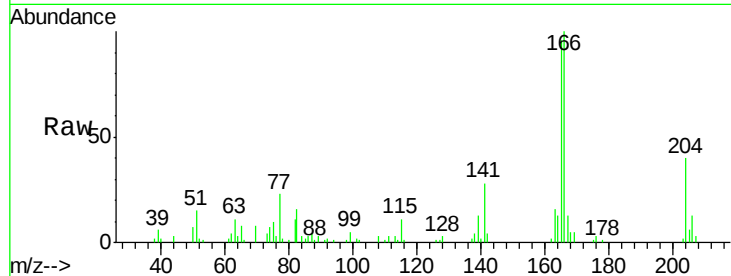




#57
 Fluorene
 Concen: 2.001 ng
 RT: 15.31 min Scan# 2095
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

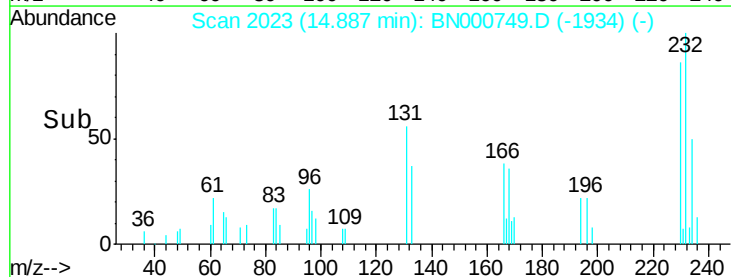
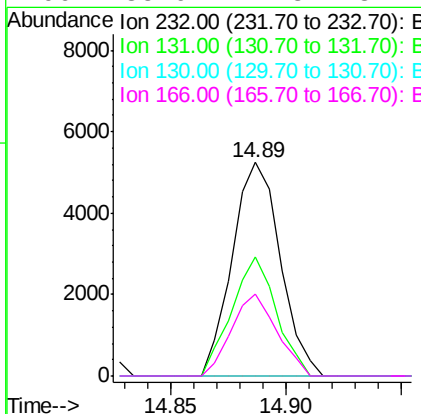
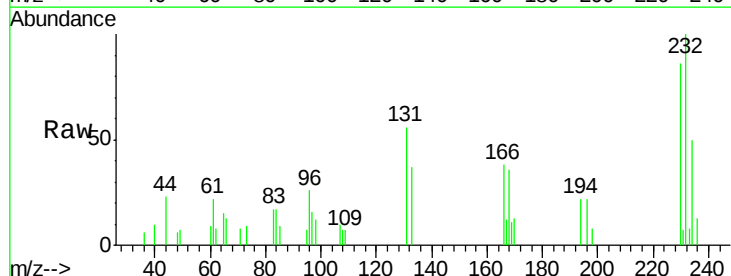
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

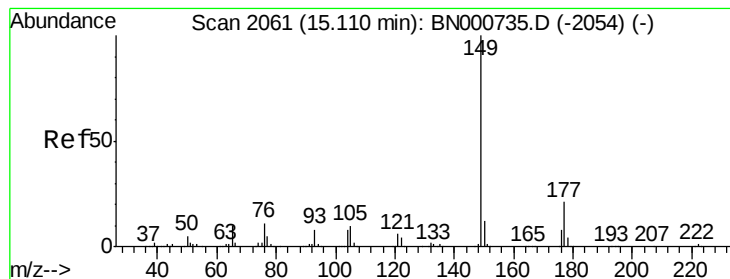
Tot Ion:	166	Resp:	46536
Ion	Ratio	Lower	Upper
166	100		
165	95.6	80.6	121.0
167	12.8	10.4	15.6



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.463 ng
 RT: 14.89 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:	232	Resp:	7611
Ion	Ratio	Lower	Upper
232	100		
131	51.8	33.5	50.3#
130	0.0	2.2	3.2#
166	35.9	24.8	37.2





#59

Diethylphthalate

Concen: 1.775 ng

RT: 15.10 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

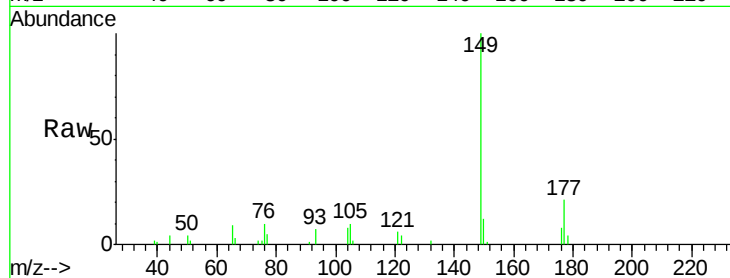
Tot Ion:149 Resp: 43797

Ion Ratio Lower Upper

149 100

177 21.0 18.5 27.7

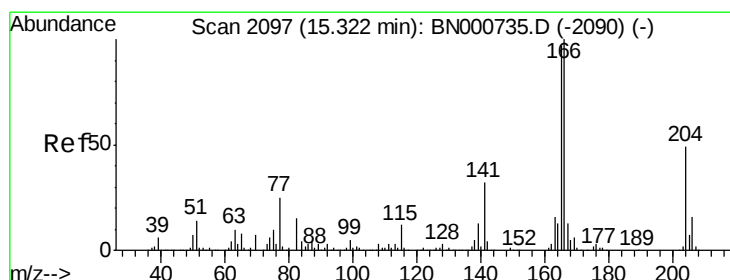
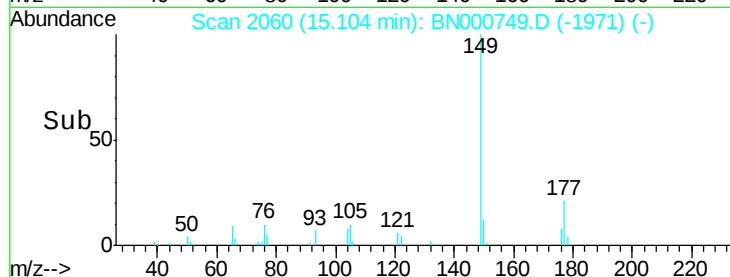
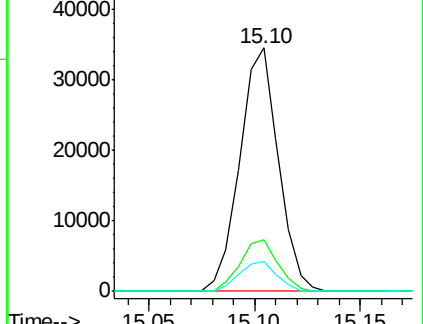
150 12.2 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 2.143 ng

RT: 15.32 min Scan# 2096

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

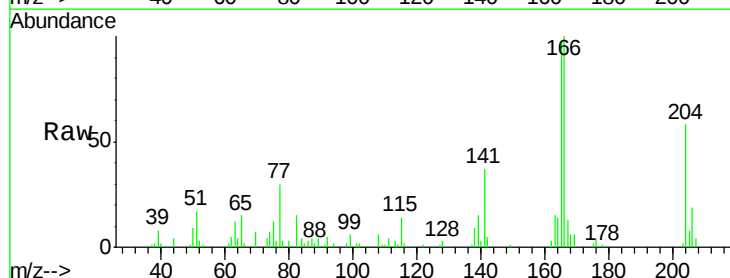
Tgt Ion:204 Resp: 23294

Ion Ratio Lower Upper

204 100

206 32.6 26.2 39.2

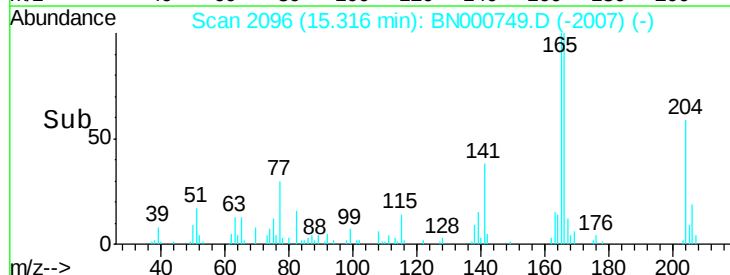
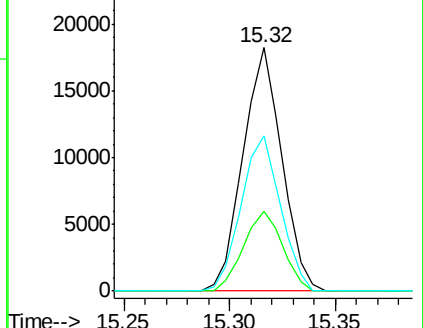
141 63.9 45.8 68.6

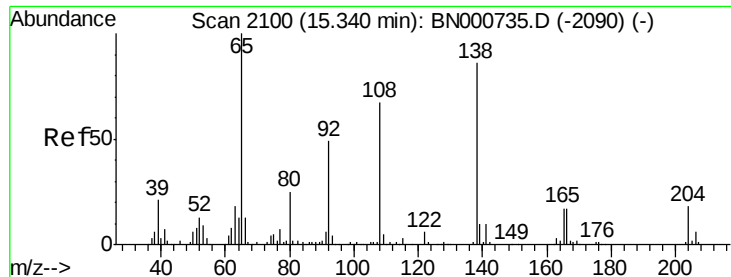


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

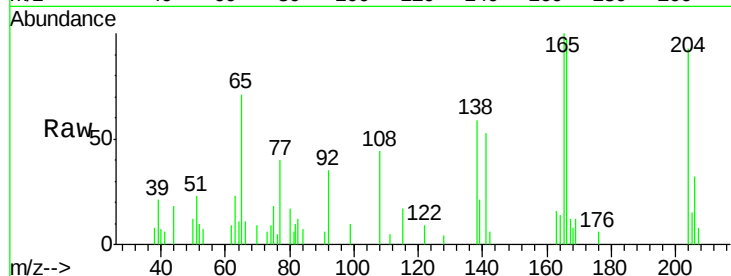




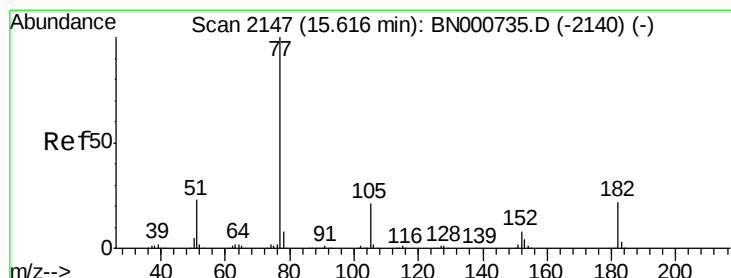
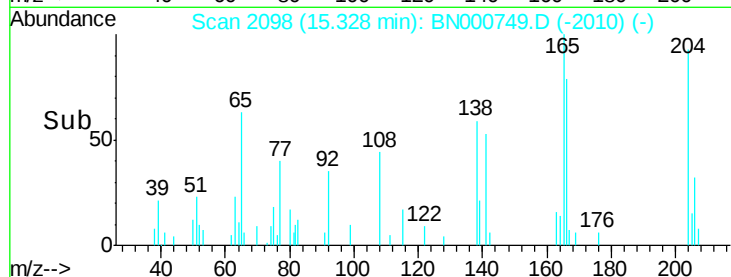
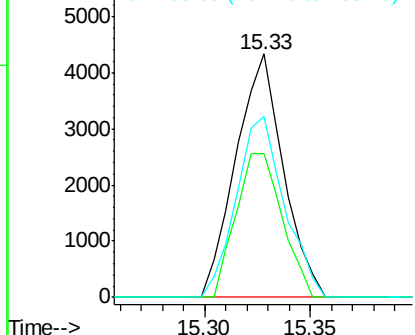
#61
4-Nitroaniline
Concen: 1.148 ng
RT: 15.33 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

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

Tot Ion:138 Resp: 6781
Ion Ratio Lower Upper
138 100
92 59.0 40.1 80.1
108 74.4 65.4 105.4

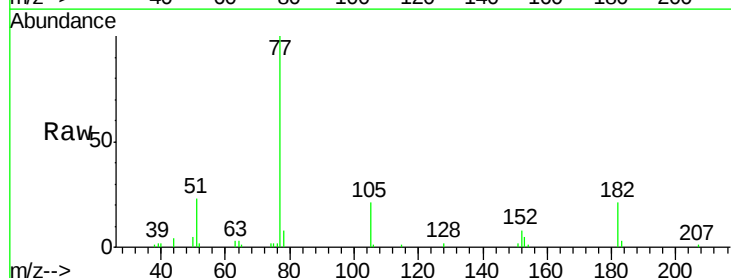


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNC
Ion 108.00 (107.70 to 108.70): E

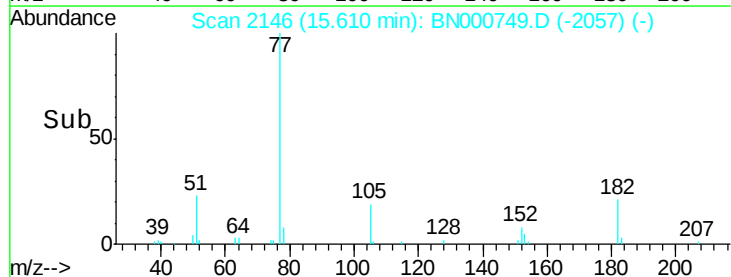
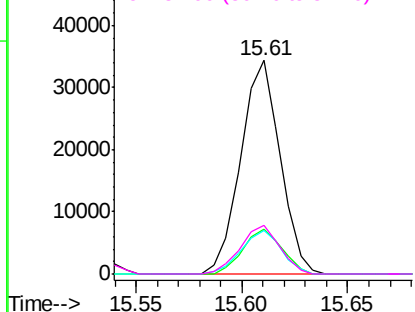


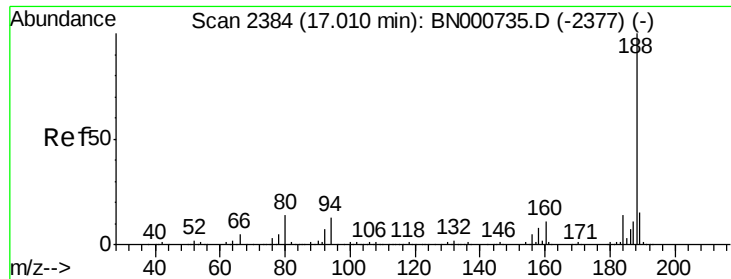
#62
Azobenzene
Concen: 1.682 ng
RT: 15.61 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion: 77 Resp: 44445
Ion Ratio Lower Upper
77 100
182 21.1 7.4 47.4
105 20.6 0.3 40.3
51 22.9 11.6 51.6



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BNC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

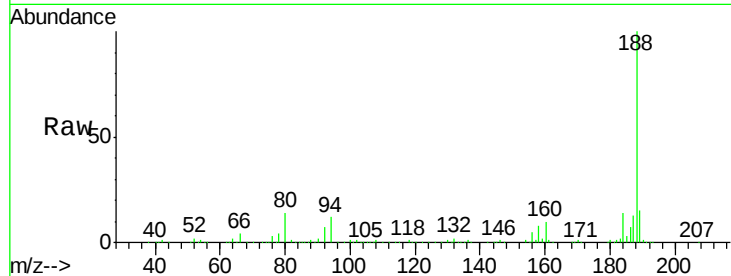
Tot Ion:188 Resp: 675992

Ion Ratio Lower Upper

188 100

94 12.2 6.9 10.3#

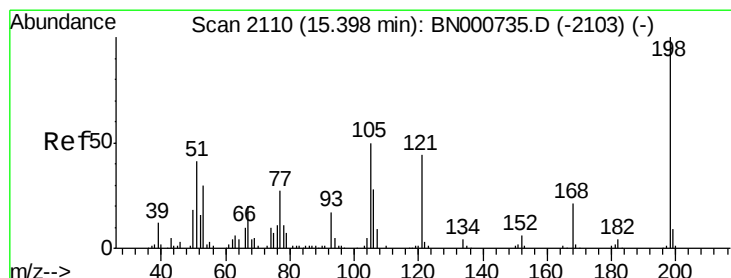
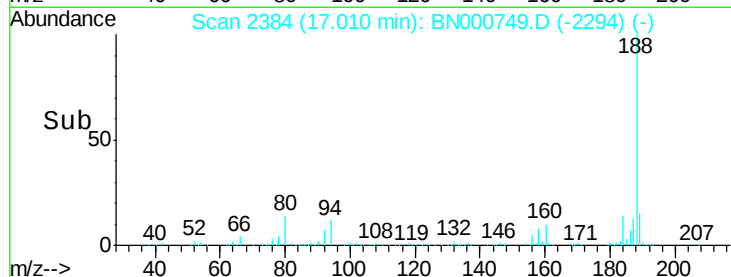
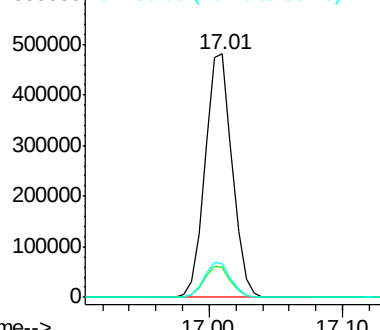
80 13.6 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#64

4,6-Dinitro-2-methylphenol

Concen: 0.899 ng

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

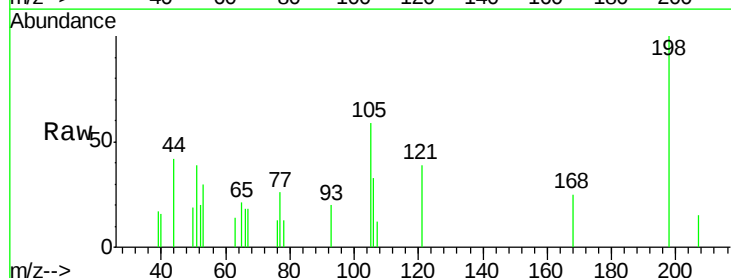
Tgt Ion:198 Resp: 3754

Ion Ratio Lower Upper

198 100

51 38.8 30.6 70.6

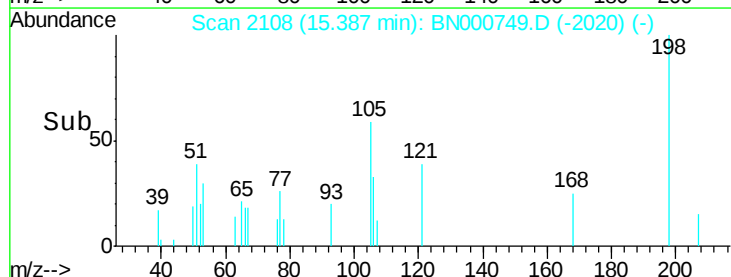
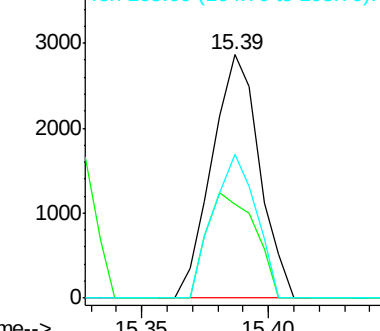
105 59.3 23.8 63.8

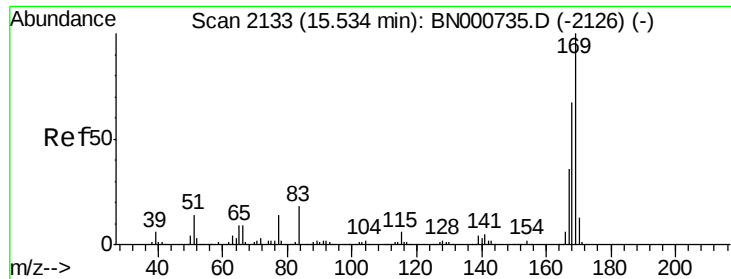


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

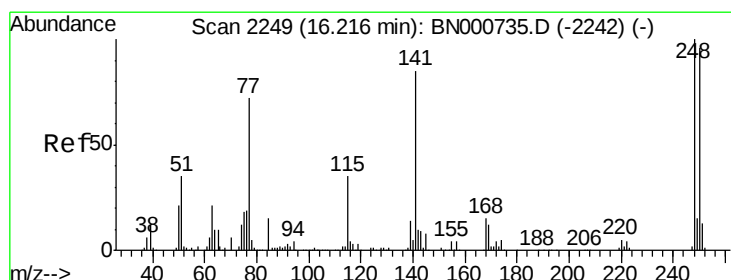
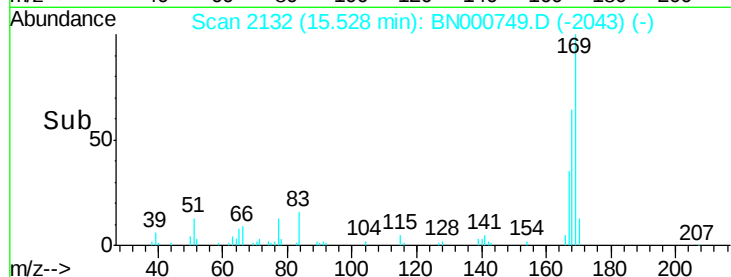
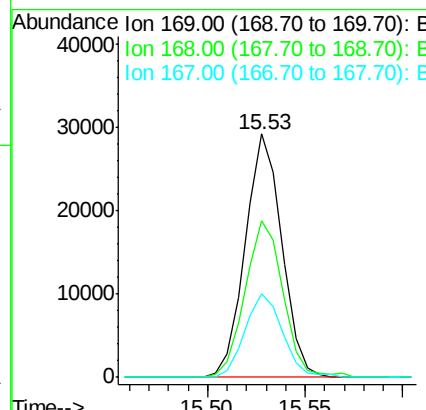
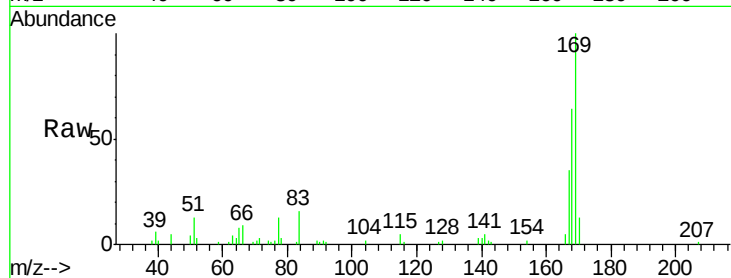




#65
n-Nitrosodiphenylamine
Concen: 1.669 ng
RT: 15.53 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

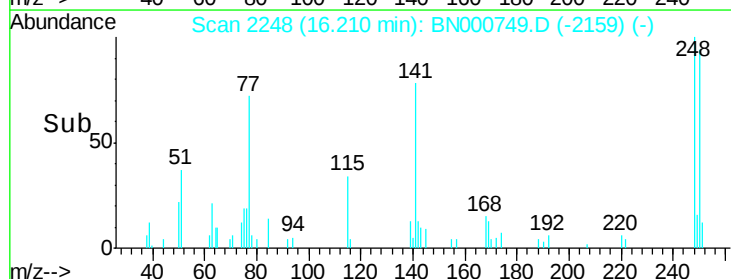
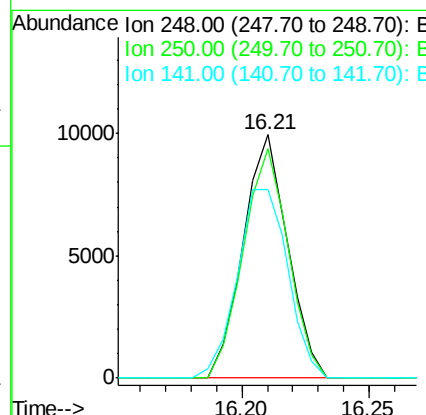
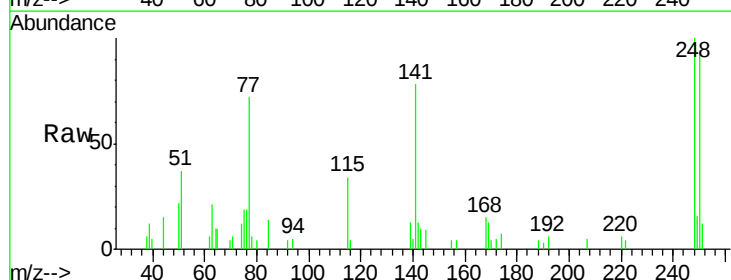
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

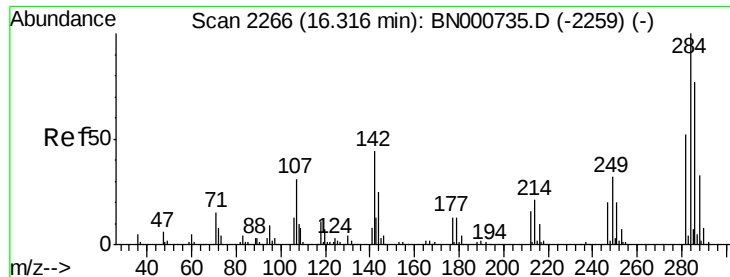
Tot Ion:169 Resp: 37873
Ion Ratio Lower Upper
169 100
168 64.4 55.7 83.5
167 34.5 30.1 45.1



#66
4-Bromophenyl-phenylether
Concen: 1.774 ng
RT: 16.21 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:248 Resp: 12185
Ion Ratio Lower Upper
248 100
250 94.4 77.1 115.7
141 77.6 50.8 76.2#

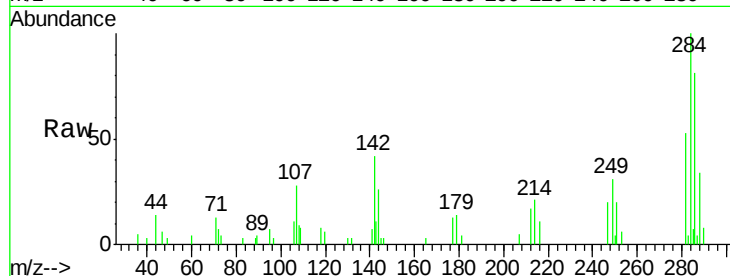




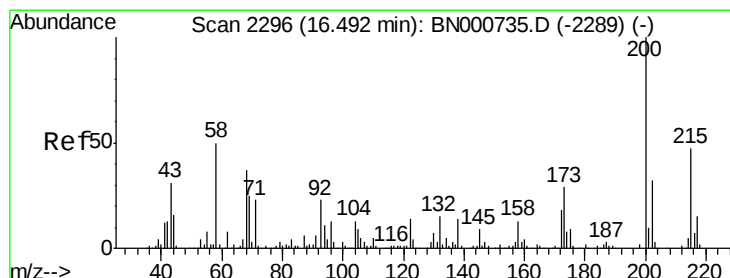
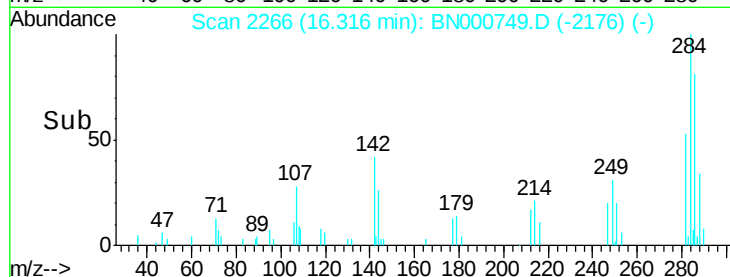
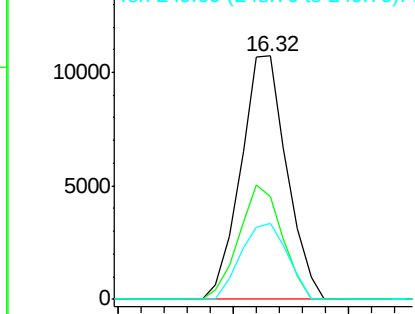
#67
Hexachlorobenzene
Concen: 1.870 ng
RT: 16.32 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

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

Tot Ion:284 Resp: 14873
Ion Ratio Lower Upper
284 100
142 42.2 26.8 40.2#
249 31.3 26.3 39.5

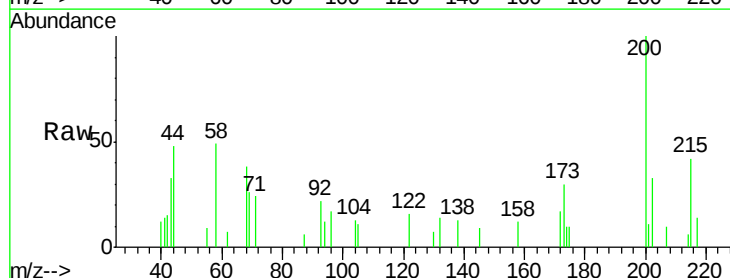


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

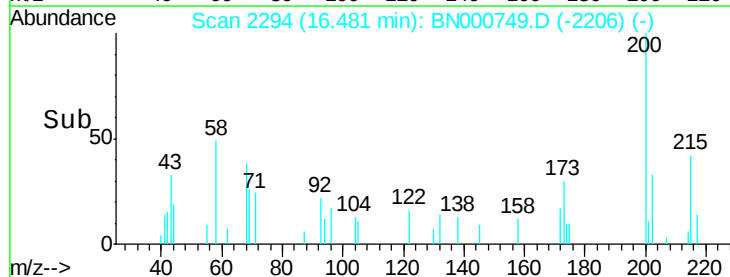
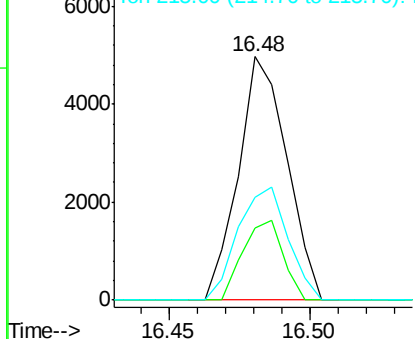


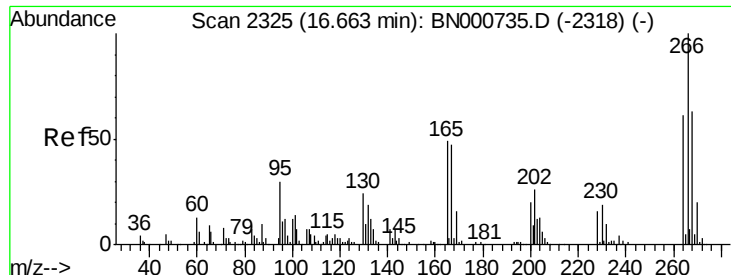
#68
Atrazine
Concen: 0.962 ng
RT: 16.48 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:200 Resp: 5915
Ion Ratio Lower Upper
200 100
173 29.5 5.2 45.2
215 42.1 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: 1.060 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

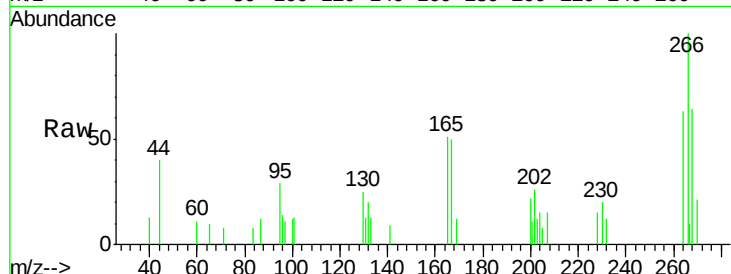
Tot Ion:266 Resp: 5448

Ion Ratio Lower Upper

266 100

268 64.0 51.1 76.7

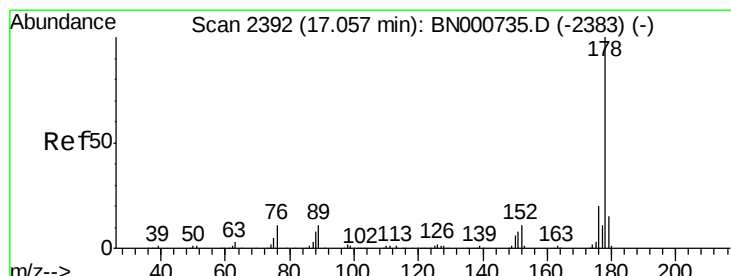
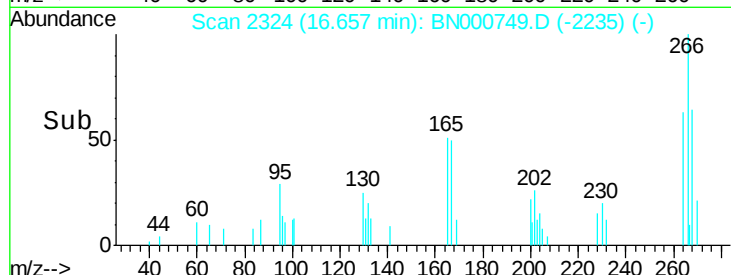
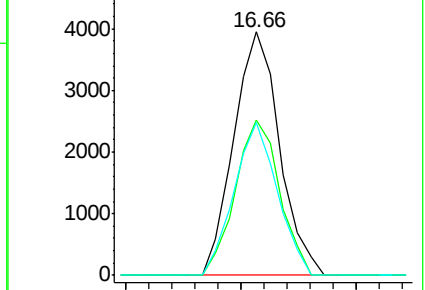
264 63.0 49.6 74.4



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: 2.044 ng

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

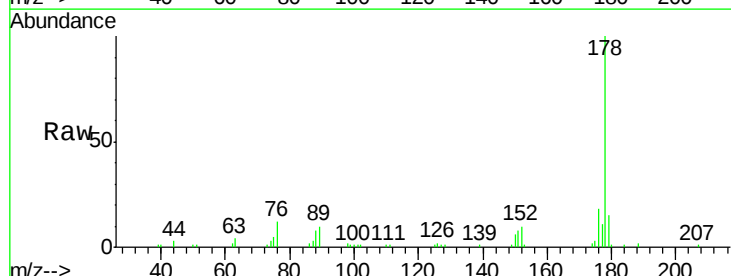
Tgt Ion:178 Resp: 80015

Ion Ratio Lower Upper

178 100

176 18.4 15.7 23.5

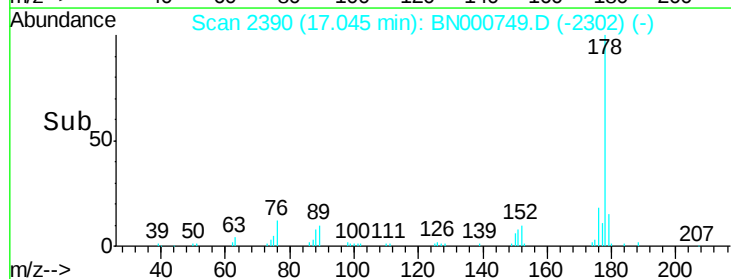
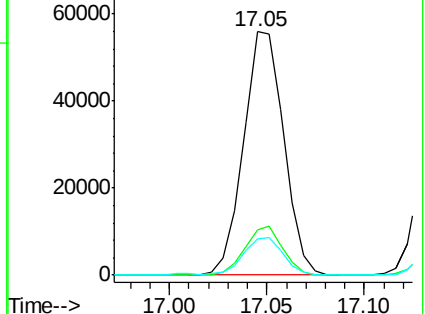
179 14.8 12.5 18.7

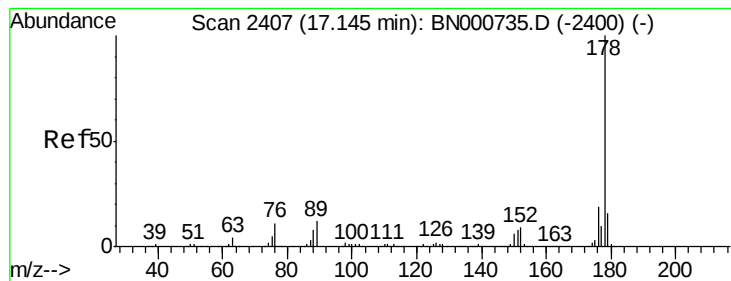


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 1.817 ng

RT: 17.14 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

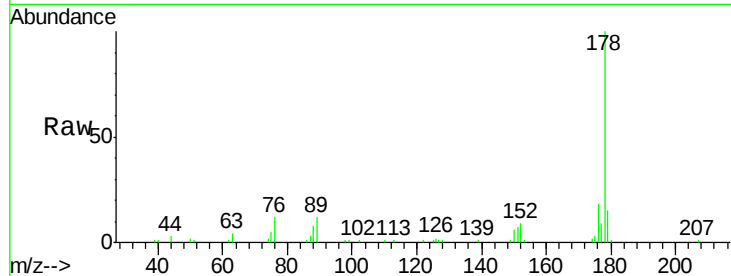
Tot Ion:178 Resp: 69660

Ion Ratio Lower Upper

178 100

176 17.7 16.0 24.0

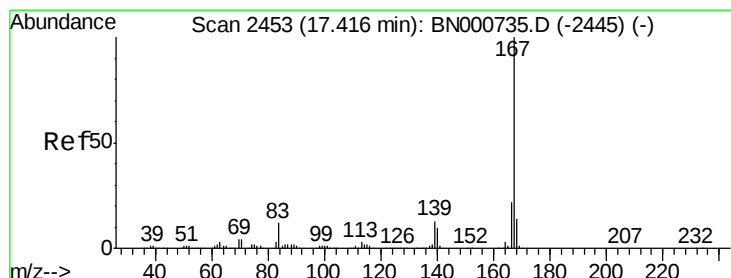
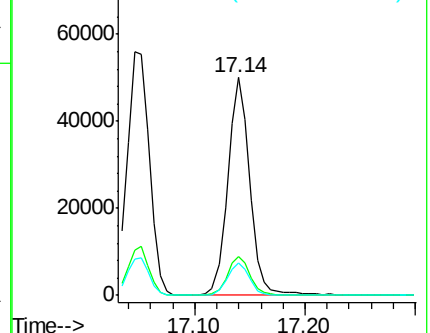
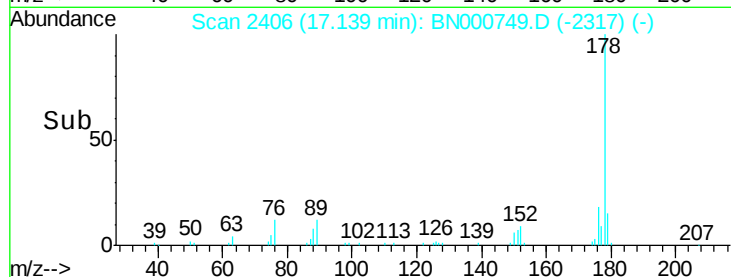
179 15.1 12.5 18.7



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



#72

Carbazole

Concen: 1.750 ng

RT: 17.41 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

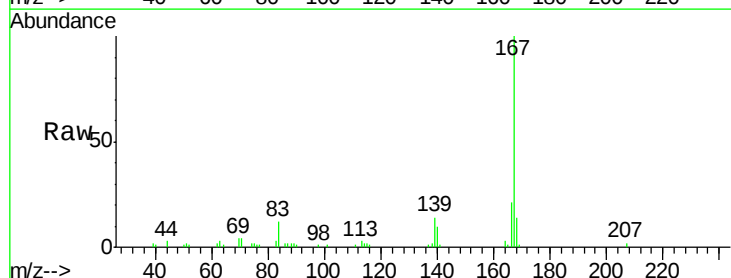
Tgt Ion:167 Resp: 63044

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.4

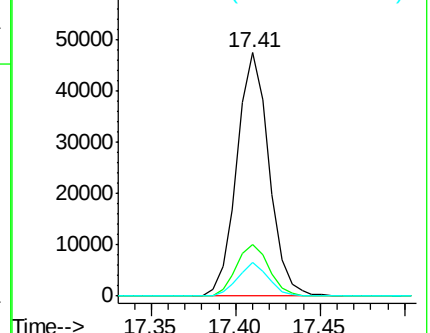
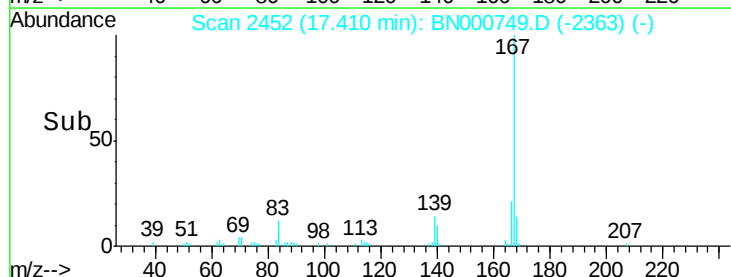
139 13.8 9.4 14.2

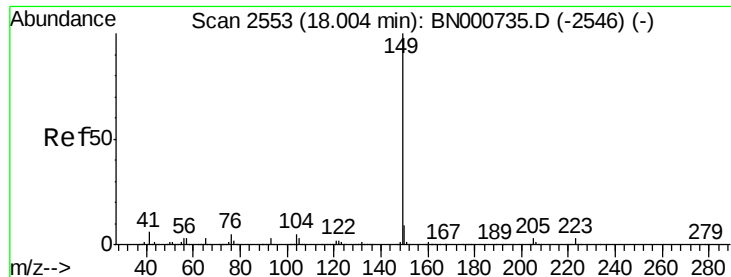


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 1.320 ng

RT: 18.00 min Scan# 2552

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

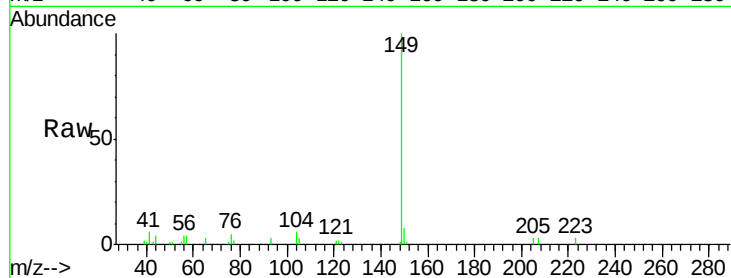
Tot Ion:149 Resp: 54190

Ion Ratio Lower Upper

149 100

150 8.4 7.8 11.6

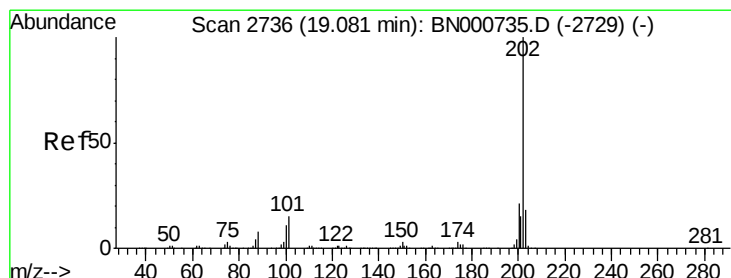
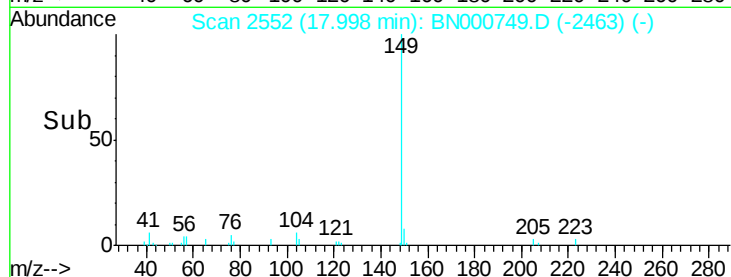
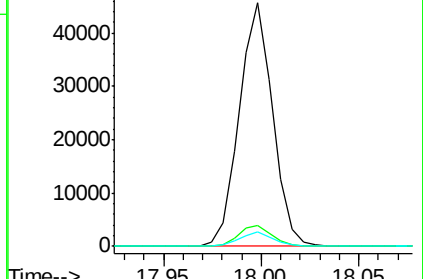
104 5.8 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.921 ng

RT: 19.07 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

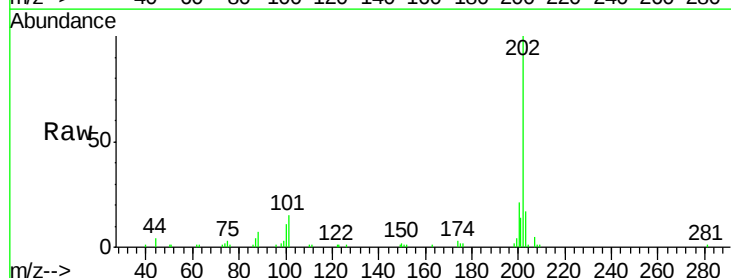
Tgt Ion:202 Resp: 75809

Ion Ratio Lower Upper

202 100

101 15.4 0.0 28.9

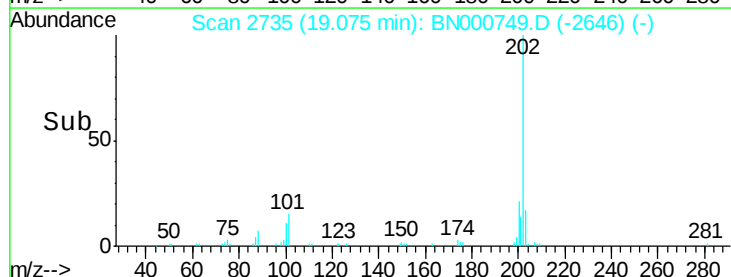
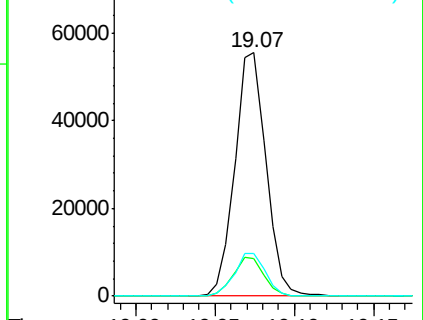
203 17.4 0.0 37.5

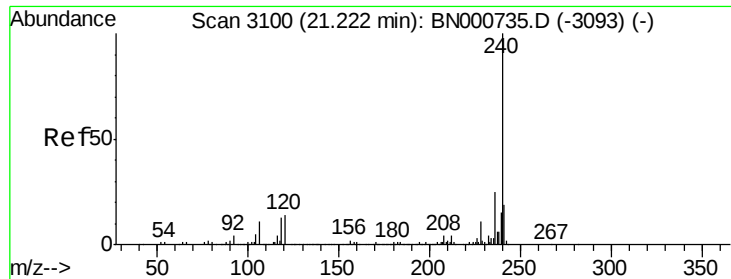


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.21 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

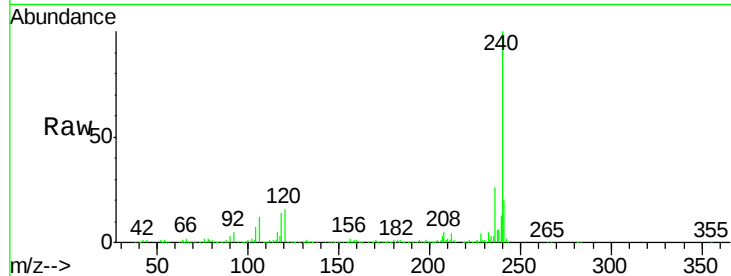
Tot Ion:240 Resp: 700913

Ion Ratio Lower Upper

240 100

120 15.7 6.8 10.2#

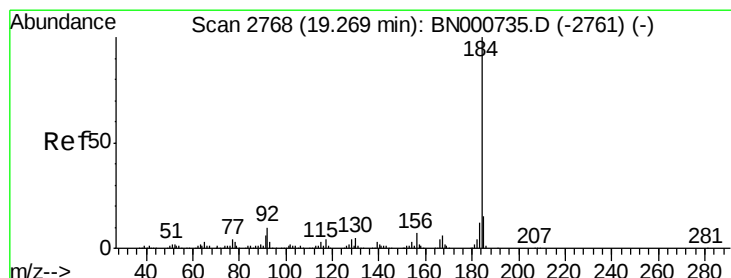
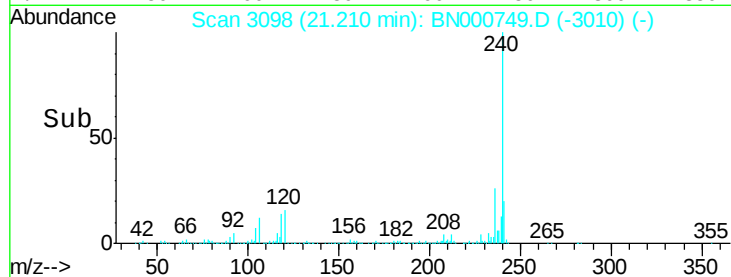
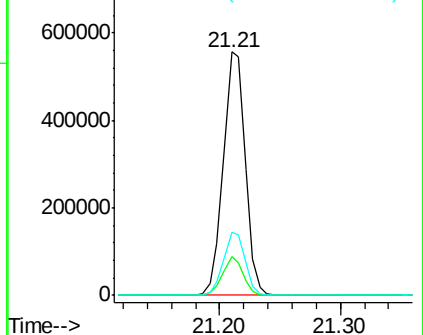
236 26.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.522 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

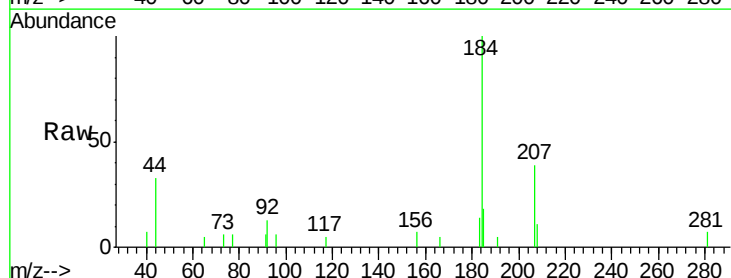
Tgt Ion:184 Resp: 9917

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

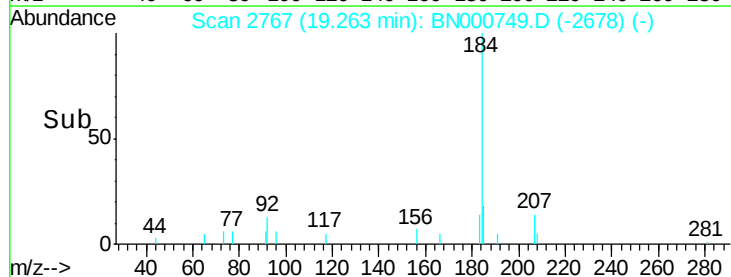
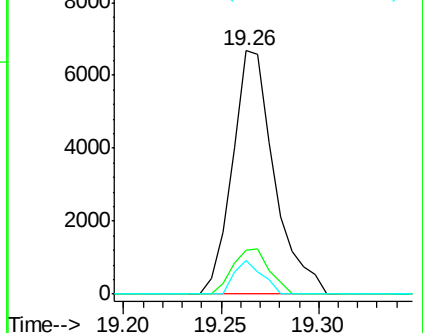
183 13.7 10.6 16.0

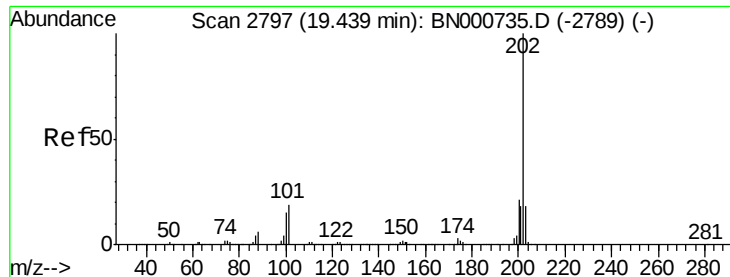


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 1.648 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

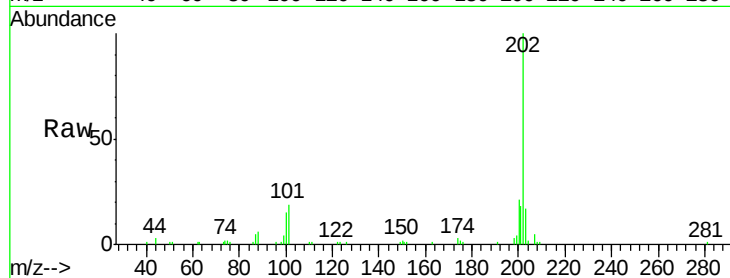
Tot Ion:202 Resp: 83225

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

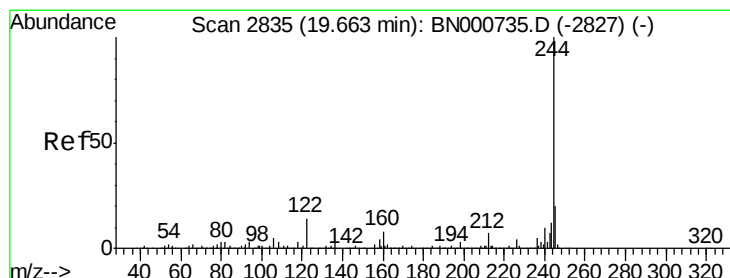
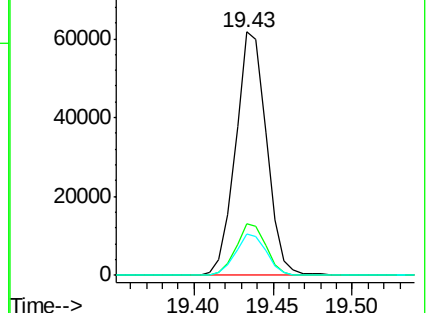
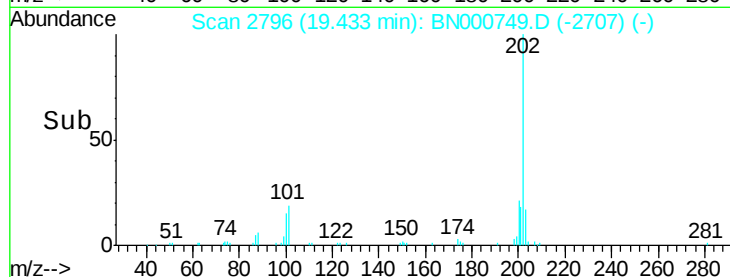
203 17.0 13.9 20.9



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: 80.523 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

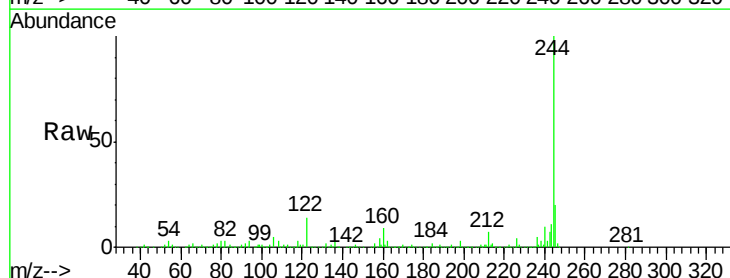
Tgt Ion:244 Resp: 2617645

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

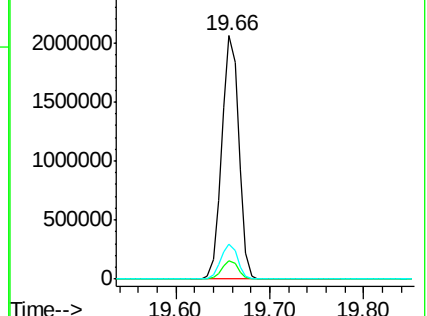
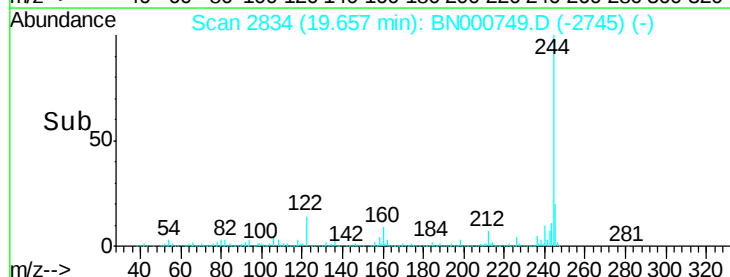
122 14.3 7.0 10.4#

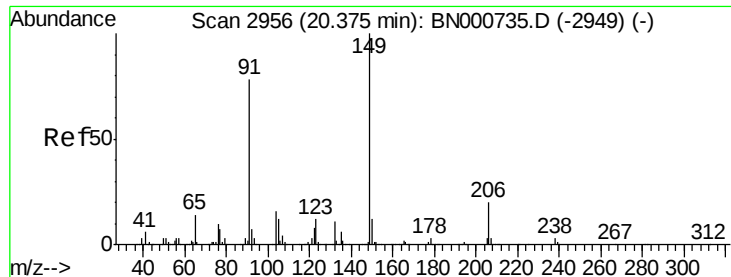


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

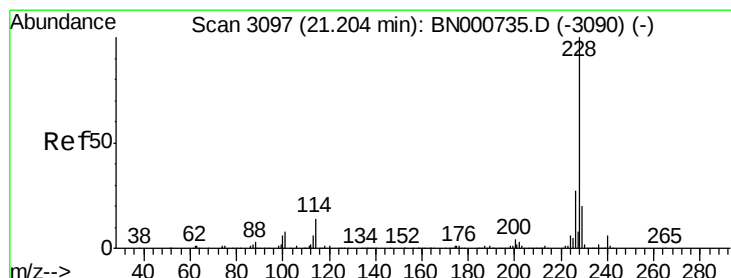
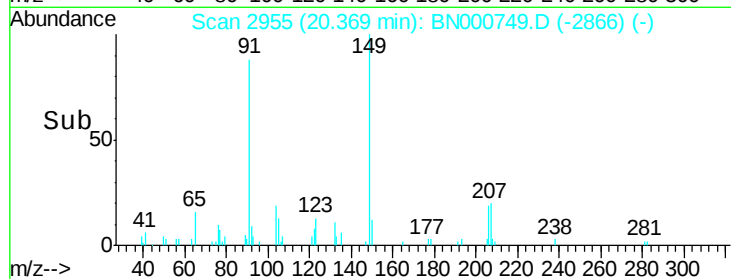
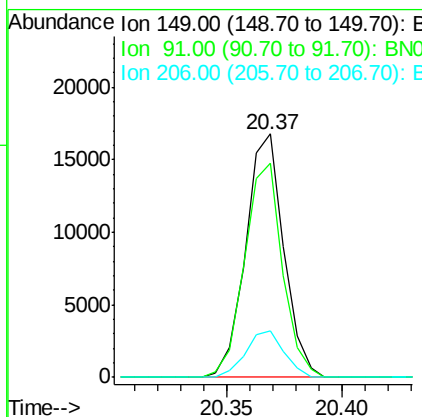
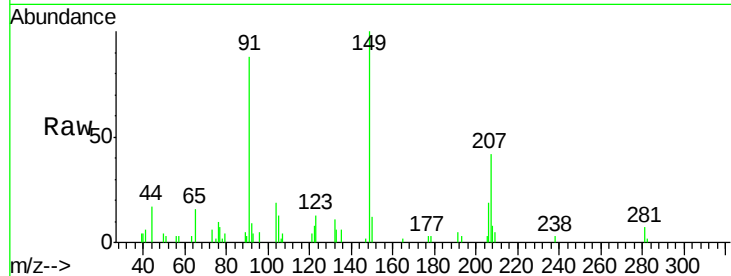




#79
Butylbenzylphthalate
Concen: 0.908 ng
RT: 20.37 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

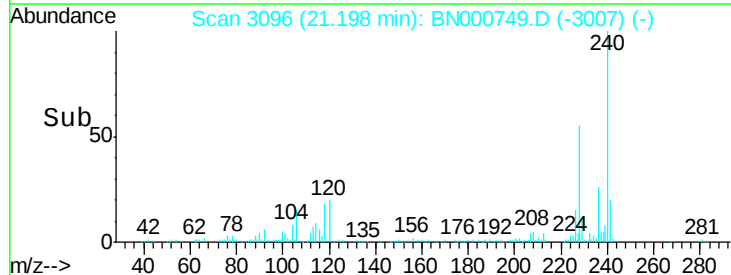
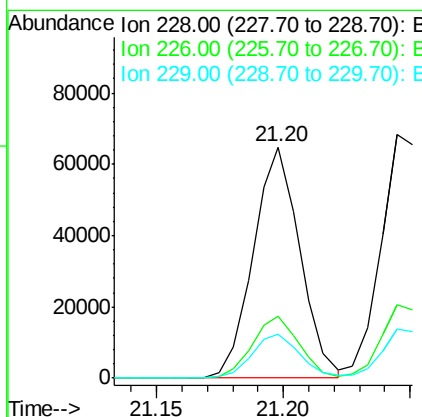
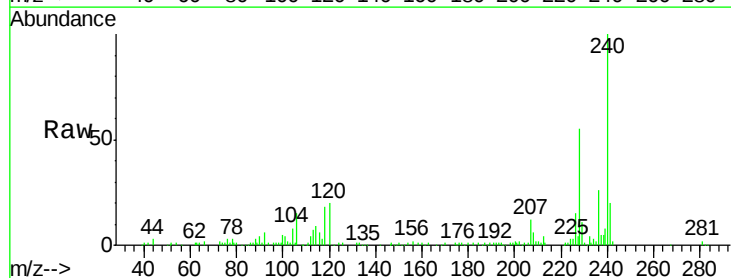
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

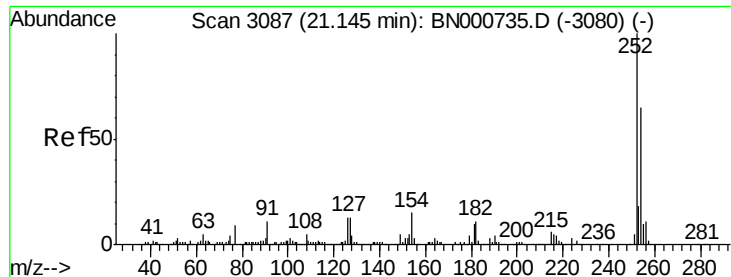
Tot Ion:149 Resp: 19323
Ion Ratio Lower Upper
149 100
91 87.7 62.2 93.2
206 19.1 18.6 27.8



#80
Benzo(a)anthracene
Concen: 1.867 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:228 Resp: 82478
Ion Ratio Lower Upper
228 100
226 26.8 22.7 34.1
229 19.1 16.2 24.2

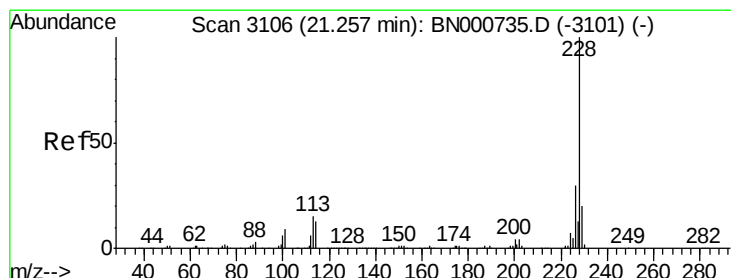
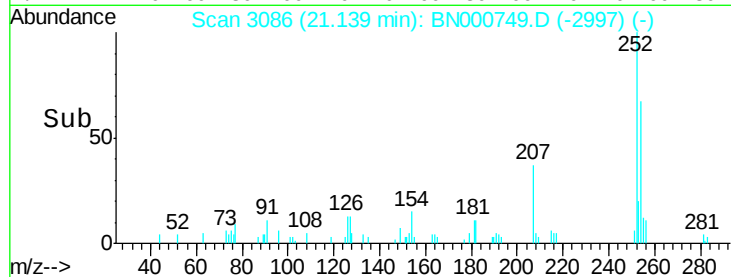
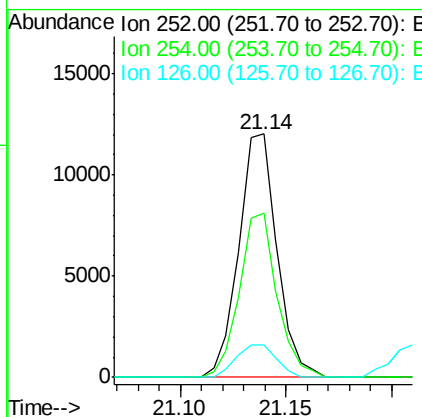
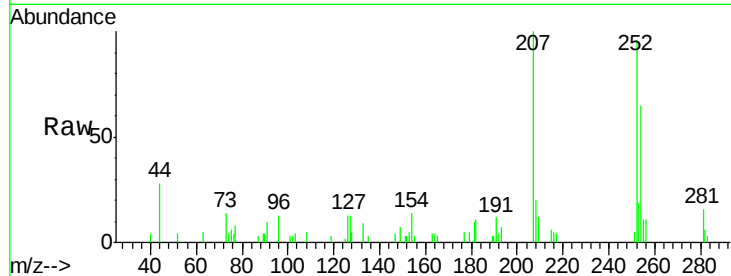




#81
 3,3'-Dichlorobenzidine
 Concen: 1.085 ng
 RT: 21.14 min Scan# 3086
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

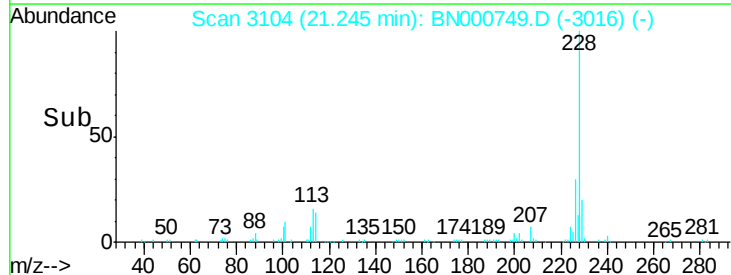
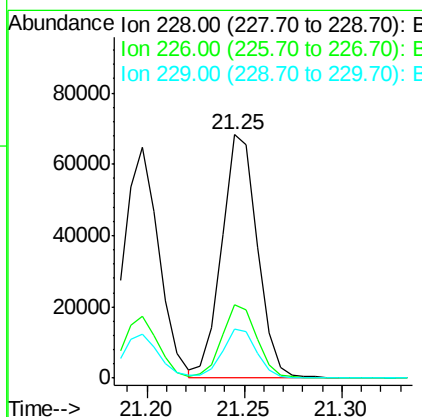
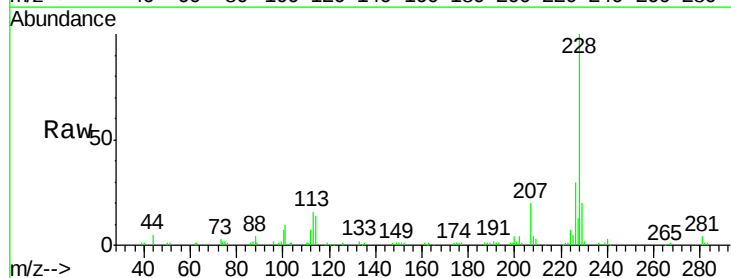
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

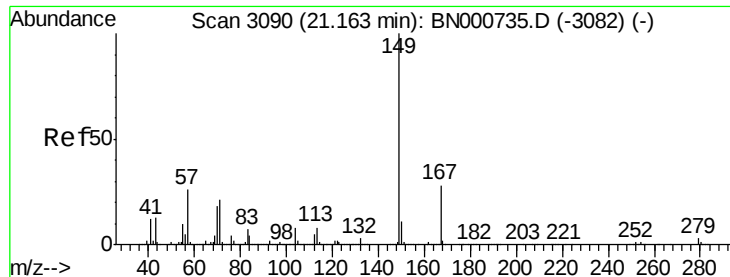
Tot Ion:252 Resp: 15091
 Ion Ratio Lower Upper
 252 100
 254 67.3 50.8 76.2
 126 13.2 7.4 11.2#



#82
 Chrysene
 Concen: 2.030 ng
 RT: 21.25 min Scan# 3104
 Delta R.T. -0.01 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

Tgt Ion:228 Resp: 86826
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.9 37.3
 229 20.1 15.0 22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.981 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

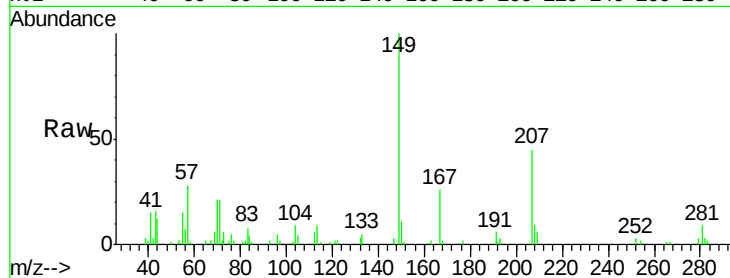
Tot Ion:149 Resp: 31865

Ion Ratio Lower Upper

149 100

167 26.5 24.3 36.5

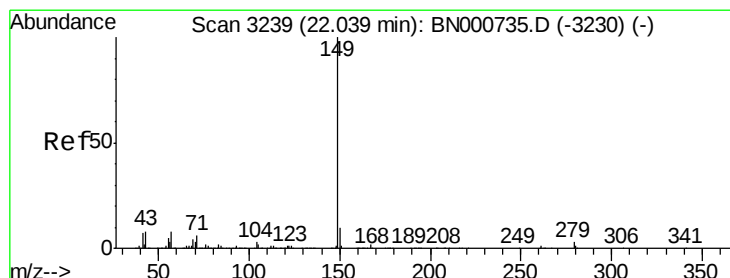
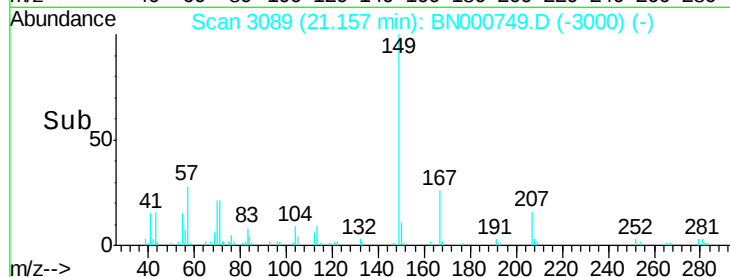
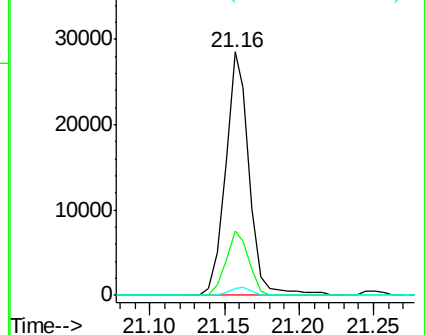
279 2.7 4.0 6.0#



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: 0.910 ng

RT: 22.03 min Scan# 3238

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

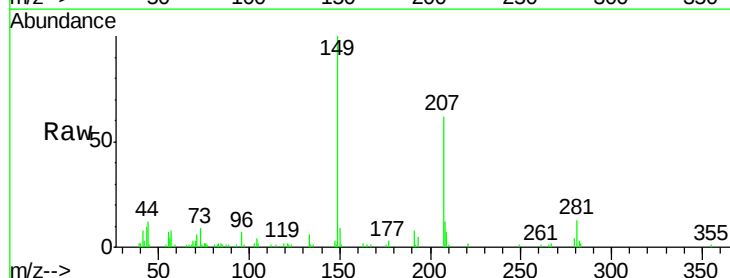
Tgt Ion:149 Resp: 42299

Ion Ratio Lower Upper

149 100

167 1.1 1.4 2.0#

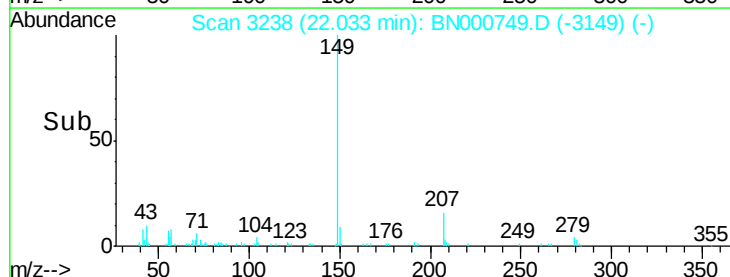
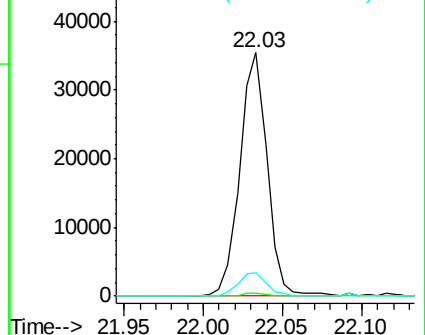
43 10.1 8.9 13.3

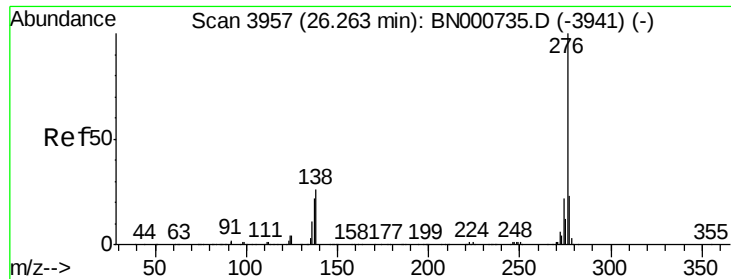


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC

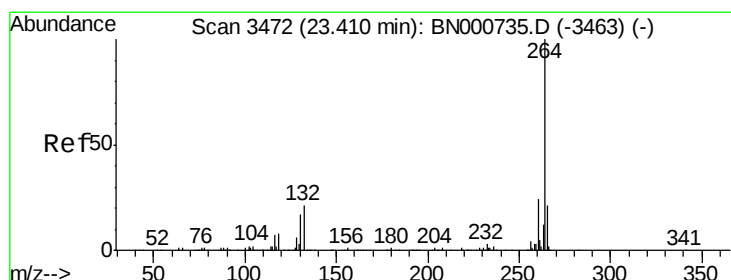
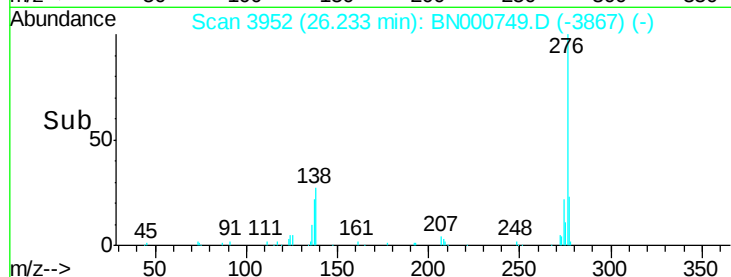
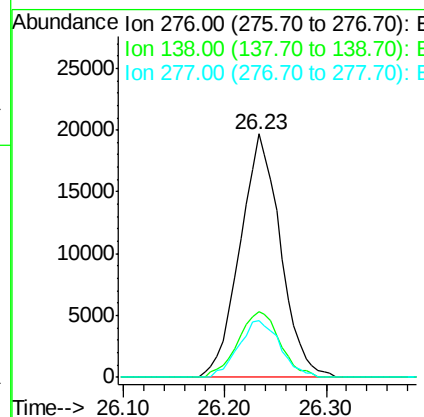
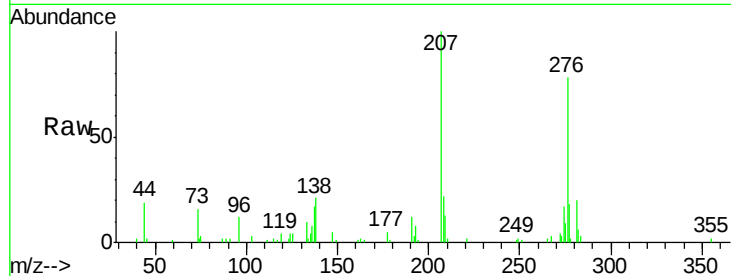




#85
Indeno(1,2,3-cd)pyrene
Concen: 1.487 ng
RT: 26.23 min Scan# 3952
Delta R.T. -0.03 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

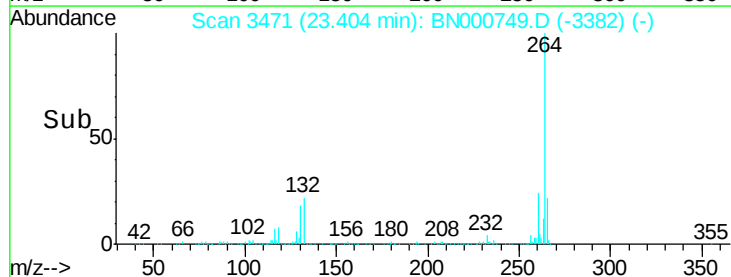
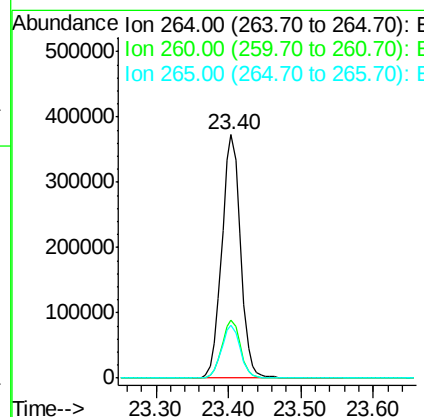
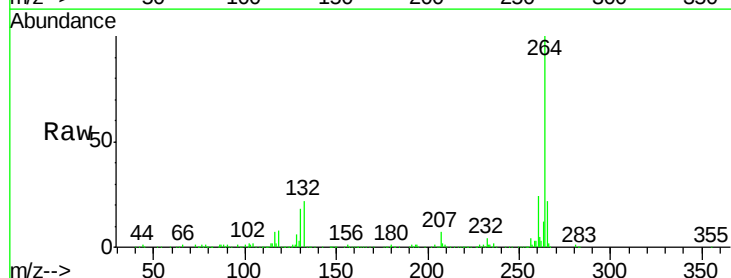
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

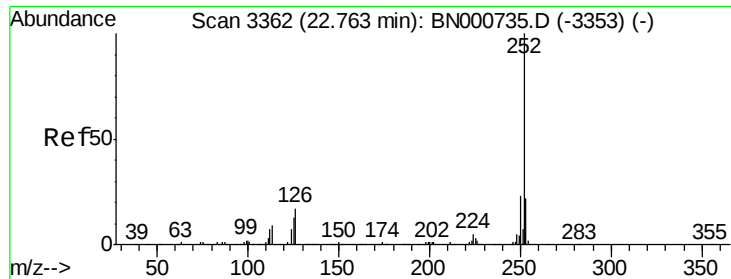
Tot Ion:276 Resp: 54705
Ion Ratio Lower Upper
276 100
138 27.9 16.0 24.0#
277 23.8 20.0 30.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:264 Resp: 669829
Ion Ratio Lower Upper
264 100
260 23.6 17.4 26.0
265 21.8 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 1.829 ng

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2018

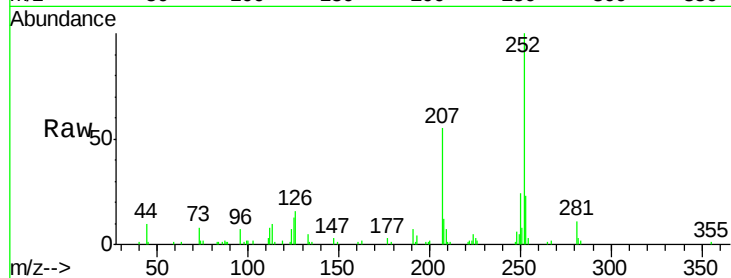
Tot Ion:252 Resp: 74457

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.4

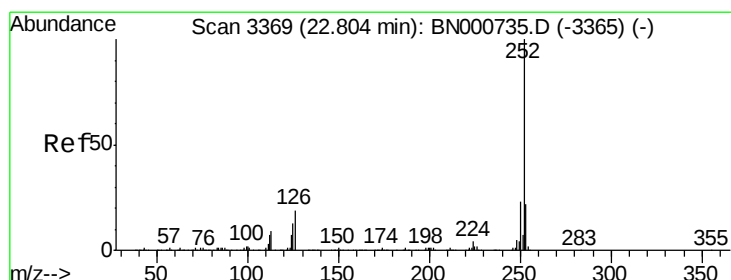
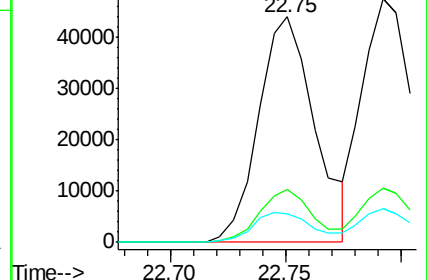
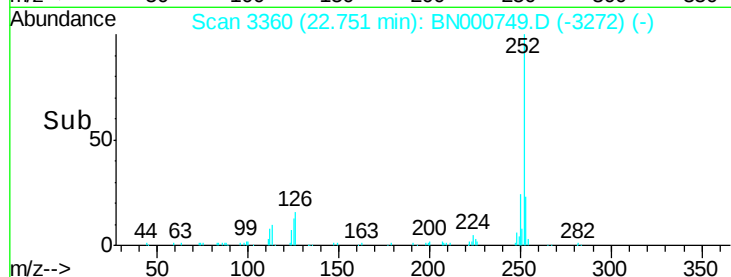
125 12.9 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 1.826 ng

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN000749.D

Acq: 18 Apr 2018 20:49

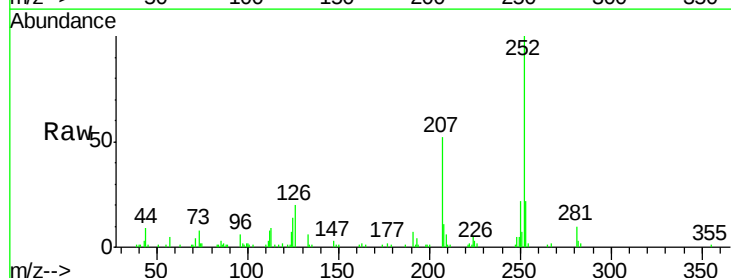
Tgt Ion:252 Resp: 74032

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

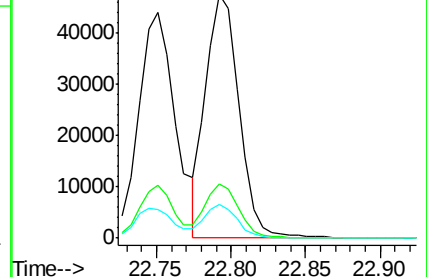
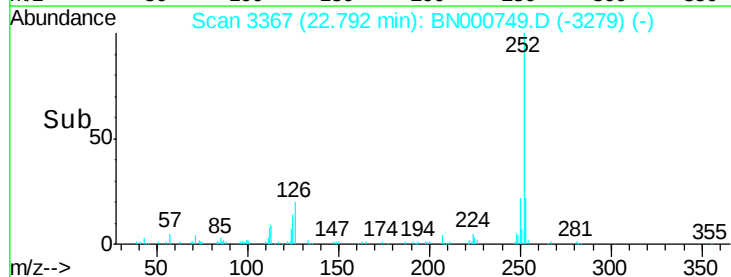
125 13.6 6.6 9.8#

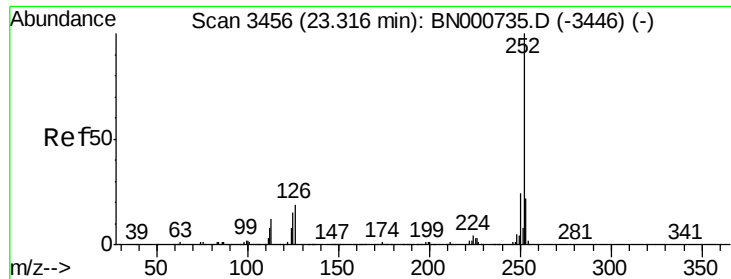


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

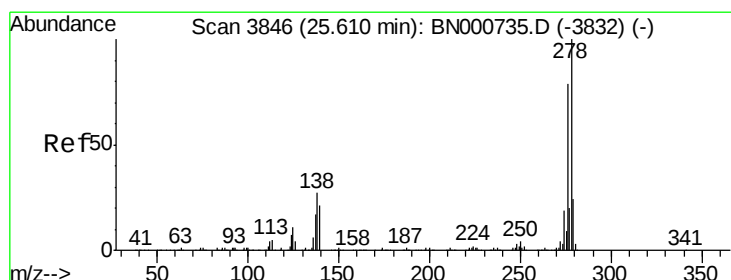
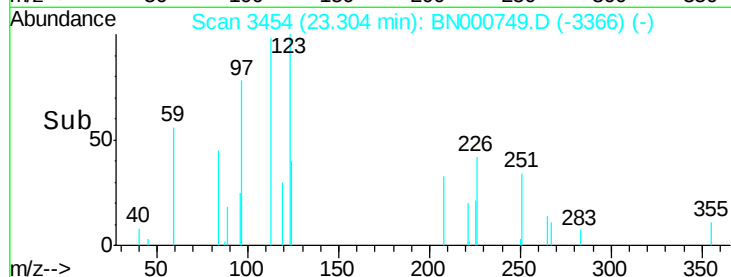
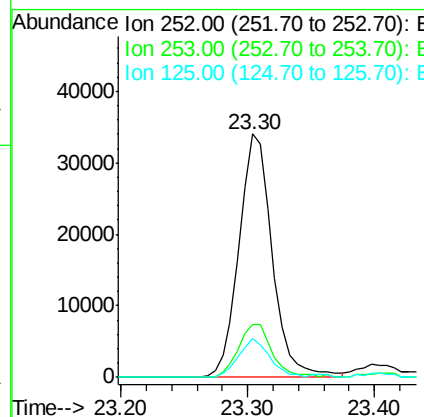
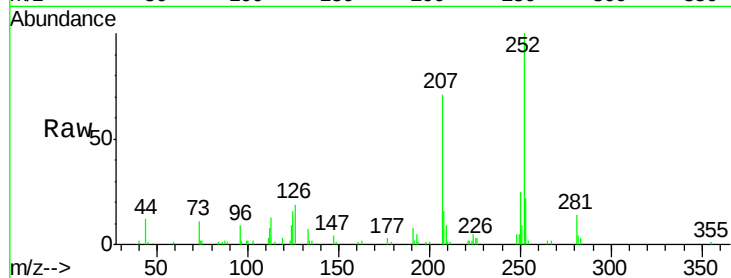




#89
Benzo(a)pyrene
Concen: 1.668 ng
RT: 23.30 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

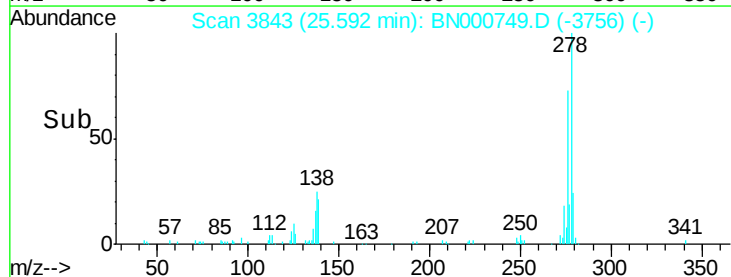
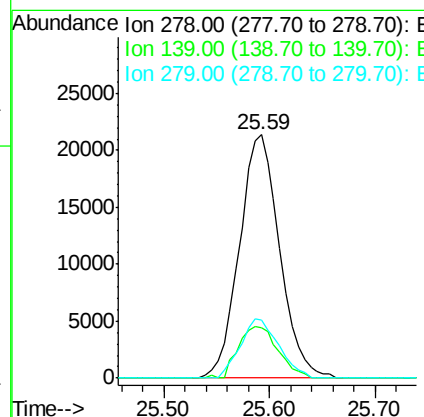
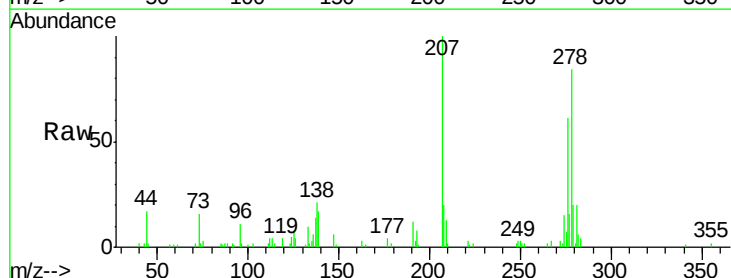
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2018

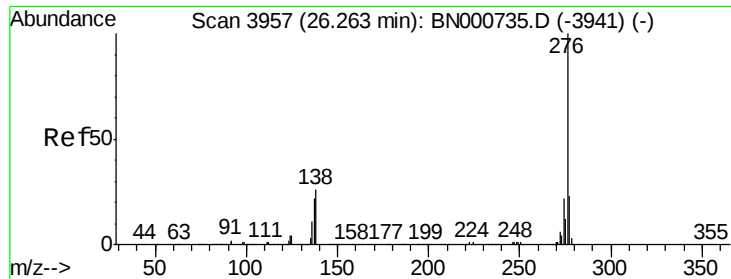
Tot Ion:252 Resp: 61964
Ion Ratio Lower Upper
252 100
253 21.8 18.3 27.5
125 15.8 7.3 10.9#



#90
Dibenzo(a,h)anthracene
Concen: 1.540 ng
RT: 25.59 min Scan# 3843
Delta R.T. -0.02 min
Lab File: BN000749.D
Acq: 18 Apr 2018 20:49

Tgt Ion:278 Resp: 56365
Ion Ratio Lower Upper
278 100
139 20.9 9.8 14.6#
279 24.1 18.4 27.6





#91
 Benzo(a,h,i)perylene
 Concen: 1.531 ng
 RT: 26.23 min Scan# 3952
 Delta R.T. -0.03 min
 Lab File: BN000749.D
 Acq: 18 Apr 2018 20:49

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.3	27.5
138	27.1	13.9	20.9

