

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033166.D
 Acq On : 15 Mar 2018 5:08
 Operator : SJ/JU
 Sample : J1754-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 06:29:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	39543	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	174639	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	101378	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	256406	20.00	ng	0.00
75) Chrysene-d12	22.60	240	248904	20.00	ng	0.00
86) Perylene-d12	26.40	264	260420	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	357112	144.48	ng	0.00
7) Phenol-d6	8.01	99	431508	125.25	ng	0.00
23) Nitrobenzene-d5	10.10	82	324659	123.88	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	247211	231.92	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	709193	100.89	ng	0.00
78) Terphenyl-d14	20.77	244	1322011	119.33	ng	0.00

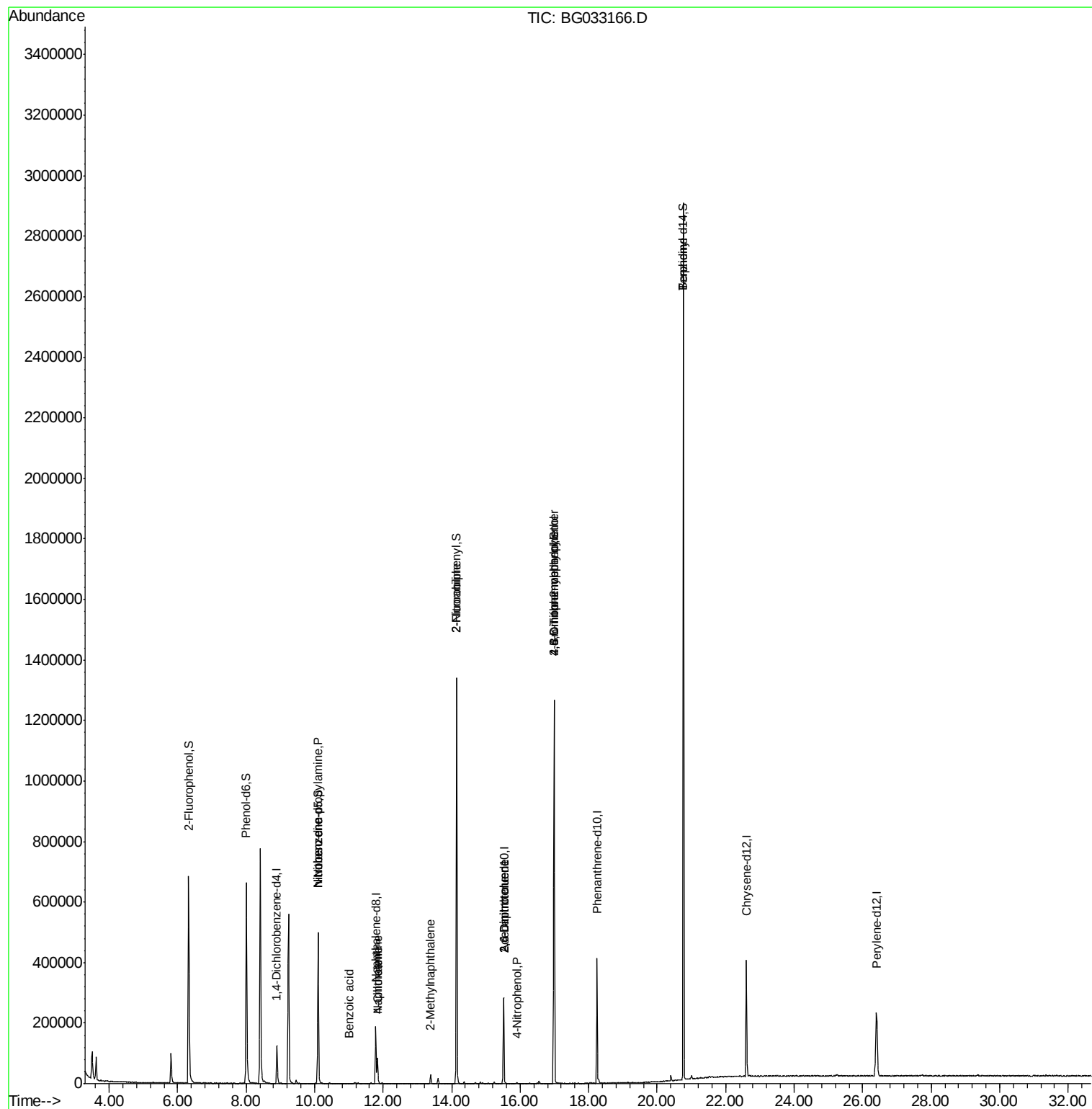
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	43427	17.855	ng	# 83
24) Nitrobenzene	10.10	77	917	6.666	ng	# 38
31) Naphthalene	11.84	128	77213	8.461	ng	# 98
32) Benzoic acid	11.01	122	55	5.855	ng	# 78
33) 4-Chloroaniline	11.84	127	10717	2.627	ng	# 35
37) 2-Methylnaphthalene	13.39	142	15655	2.371	ng	# 97
47) 2-Nitroaniline	14.14	65	1227	10.420	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	13432	16.578	ng	# 18
55) 4-Nitrophenol	15.90	139	734	7.555	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	13432	14.777	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	955	6.522	ng	# 23
66) 4-Bromophenyl-phenylether	16.99	248	16551	6.105	ng	# 1
76) Benzidine	20.77	184	22828	2.691	ng	# 95

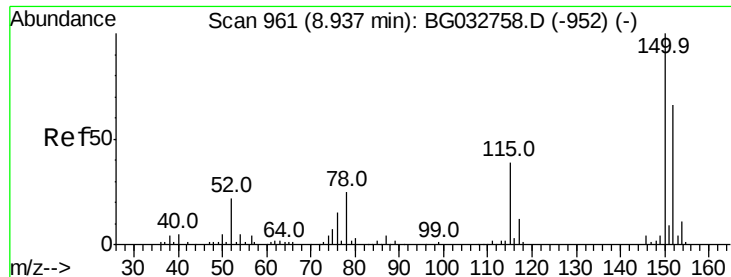
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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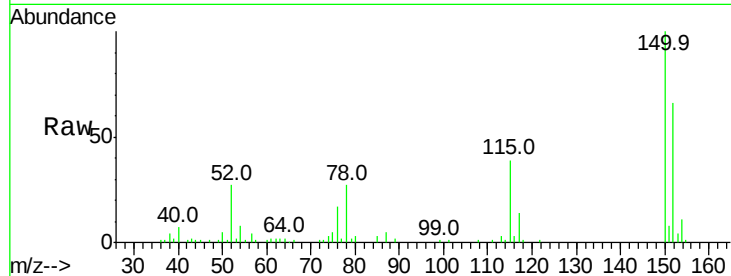


#1

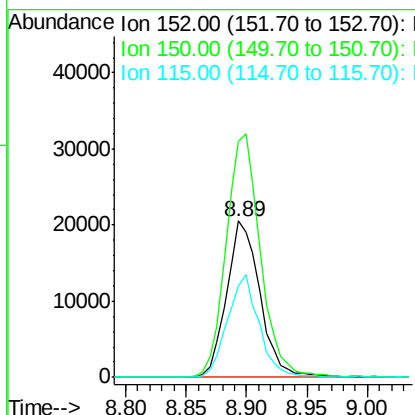
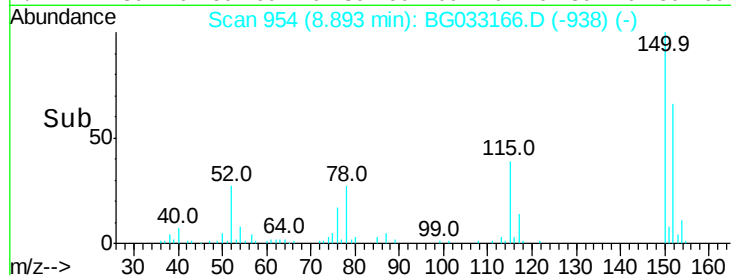
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 39543
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 58.7 53.0 79.4



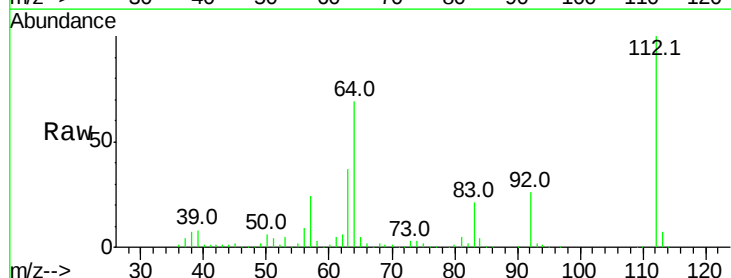
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



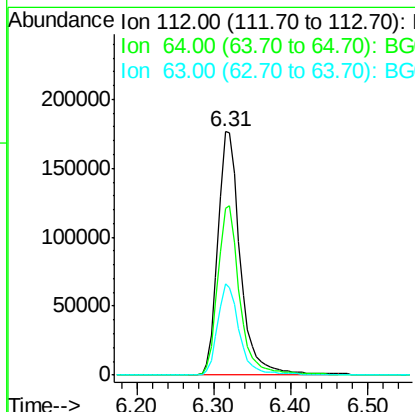
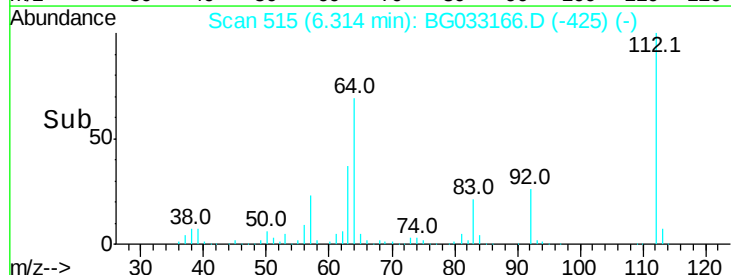
#5

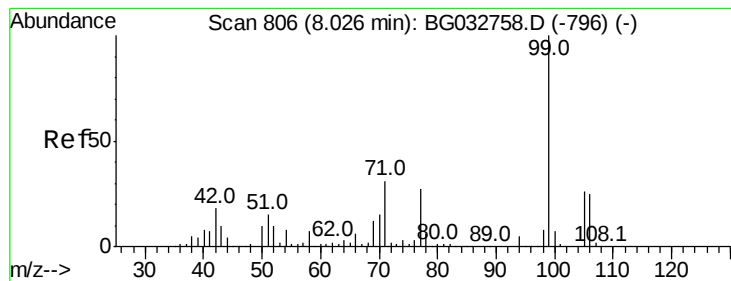
2-Fluorophenol
Concen: 144.483 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Tgt Ion:112 Resp: 357112
Ion Ratio Lower Upper
112 100
64 68.5 56.3 84.5
63 37.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.251 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

Instrument :

BNA_F

ClientSampled :

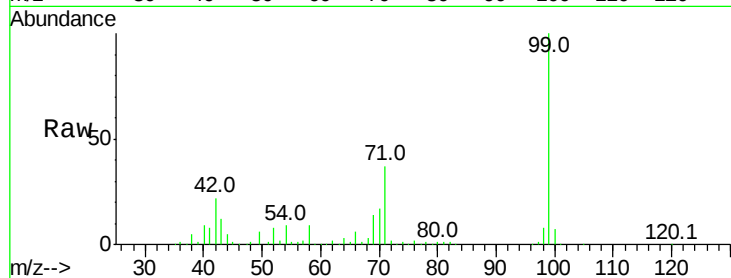
Tot Ion: 99 Resp: 431508

Ion Ratio Lower Upper

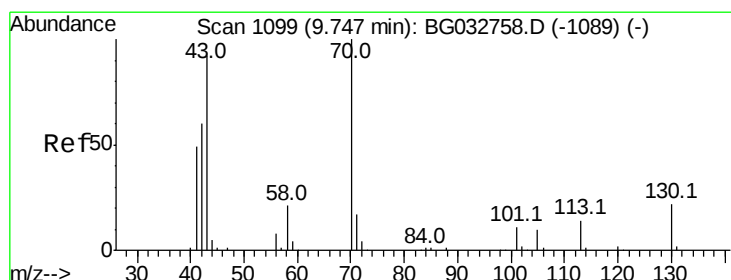
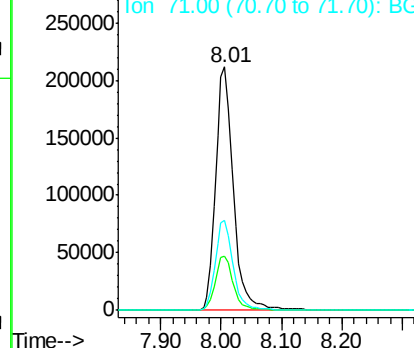
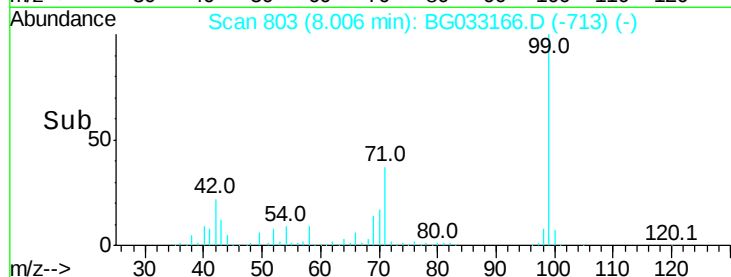
99 100

42 22.4 14.1 21.1#

71 36.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.855 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

Tgt Ion: 70 Resp: 43427

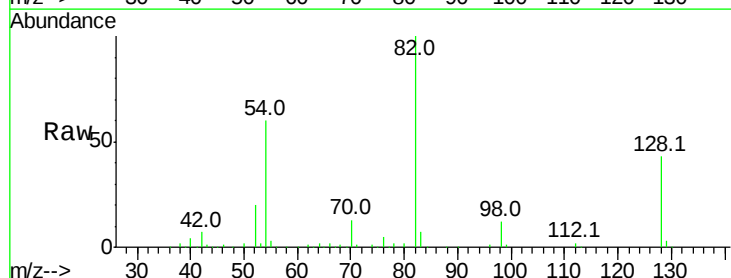
Ion Ratio Lower Upper

70 100

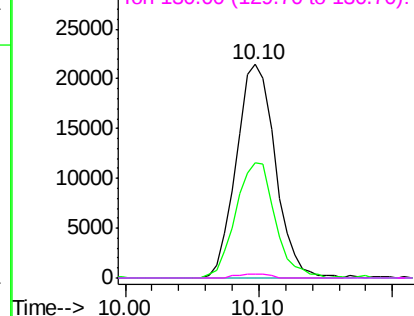
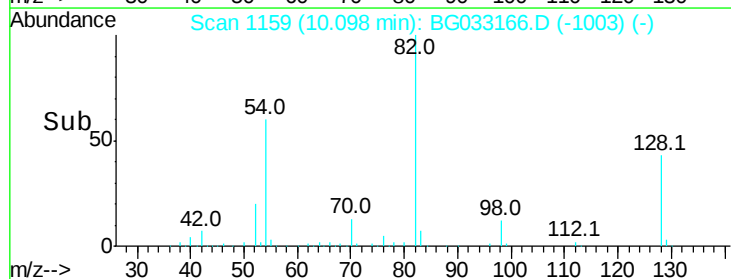
42 53.7 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

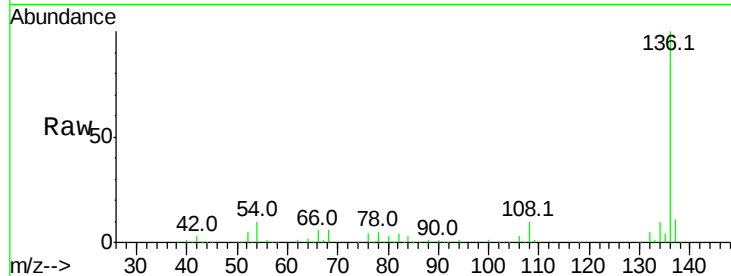




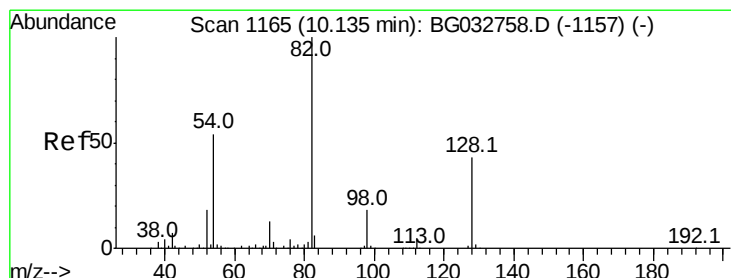
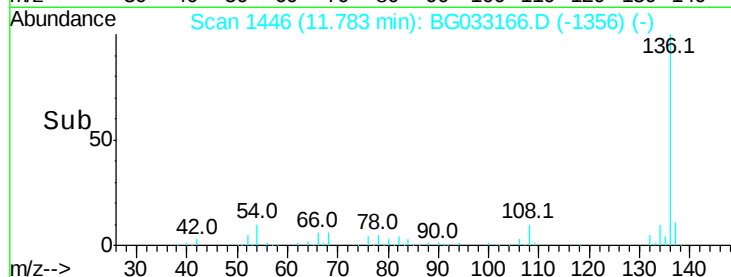
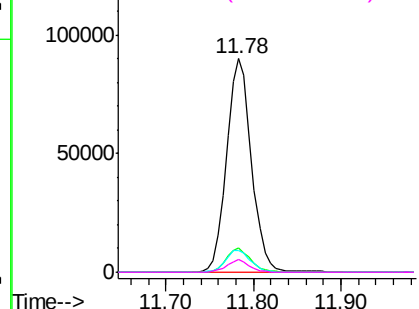
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	174639
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.0	10.3	15.5
68	5.9	4.5	6.7

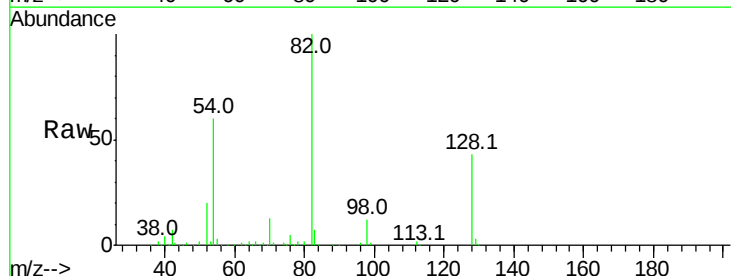


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

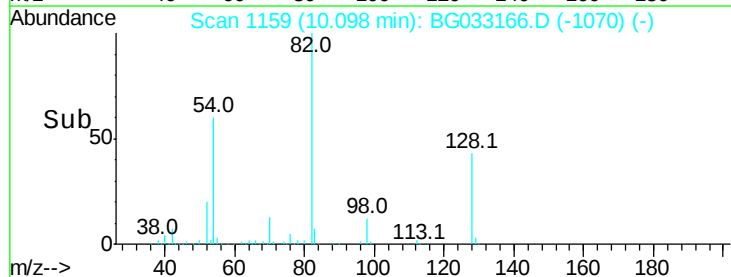
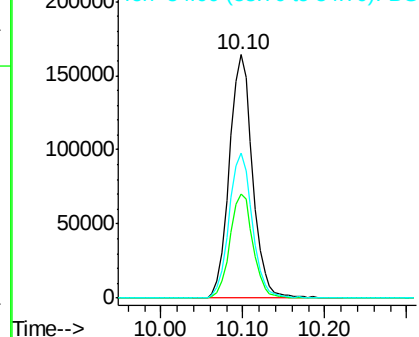


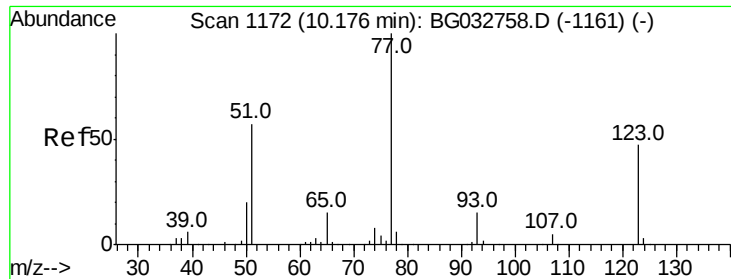
#23
Nitrobenzene-d5
Concen: 123.875 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Tgt Ion:	82	Resp:	324659
Ion	Ratio	Lower	Upper
82	100		
128	42.9	29.7	44.5
54	59.8	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#24

Nitrobenzene

Concen: 6.666 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.04 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

Instrument :

BNA_F

ClientSampled :

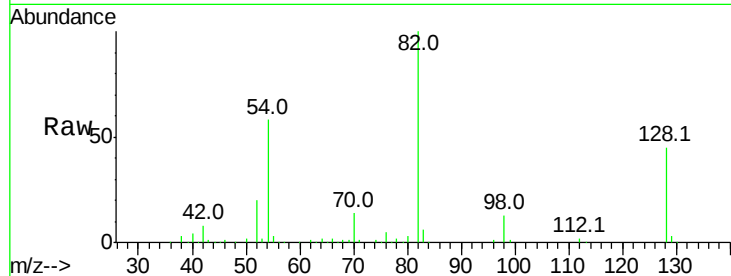
Tot Ion: 77 Resp: 917

Ion Ratio Lower Upper

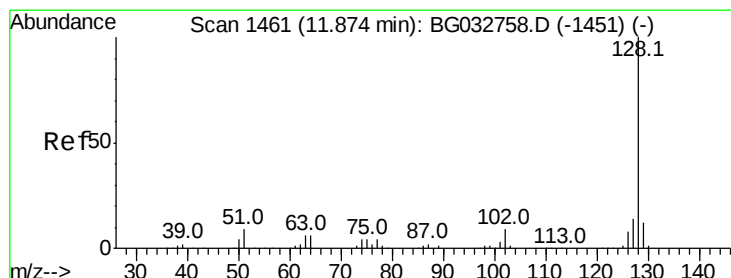
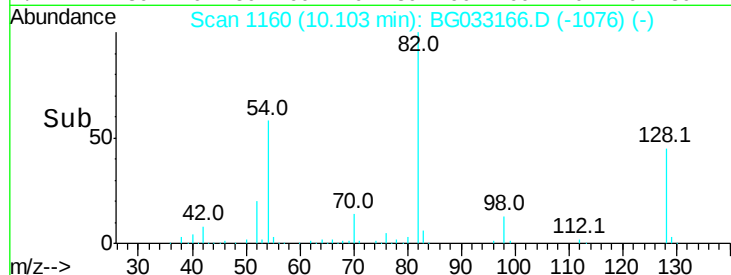
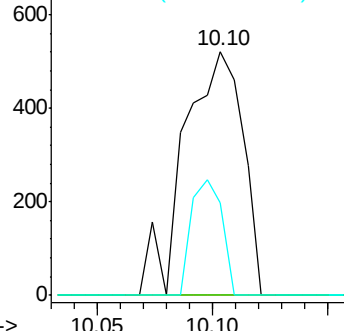
77 100

123 0.0 33.0 49.6#

65 38.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 8.461 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

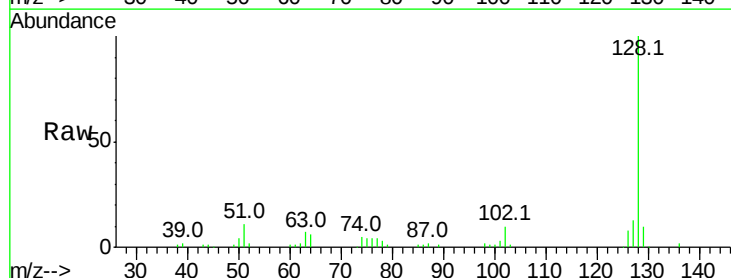
Tgt Ion: 128 Resp: 77213

Ion Ratio Lower Upper

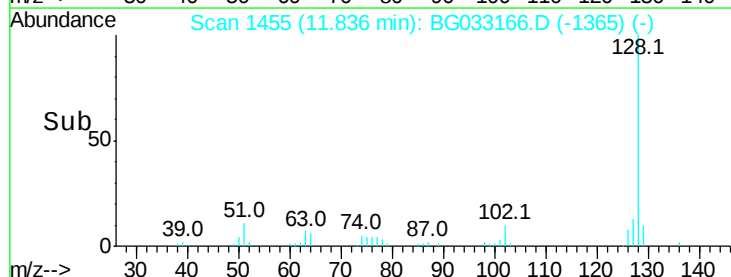
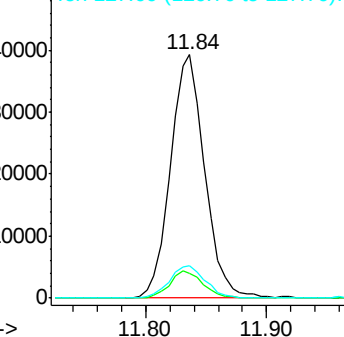
128 100

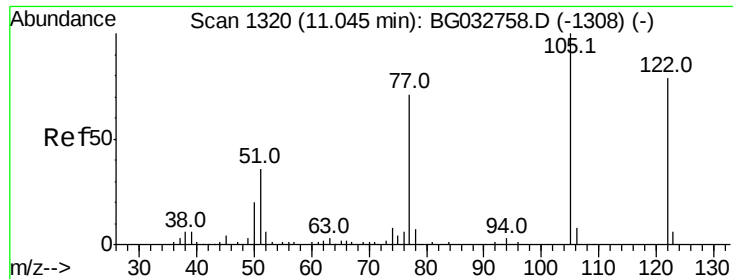
129 10.2 8.6 12.8

127 13.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.855 ng

RT: 11.01 min Scan# 1315

Delta R.T. 0.04 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

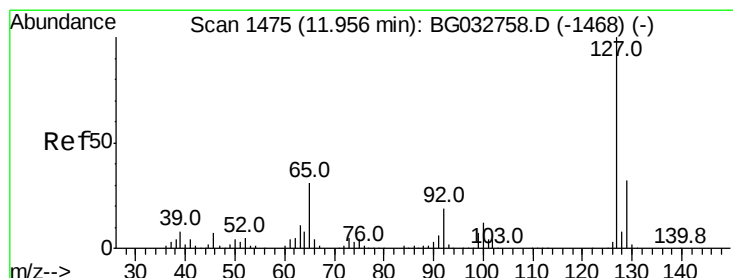
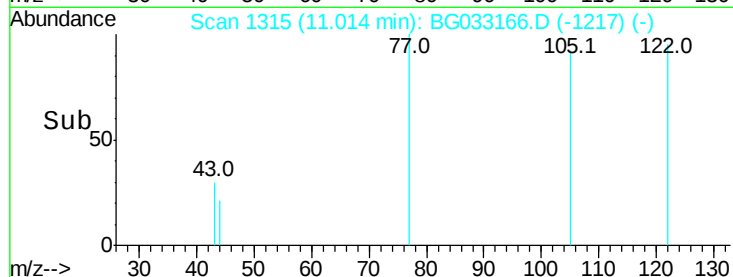
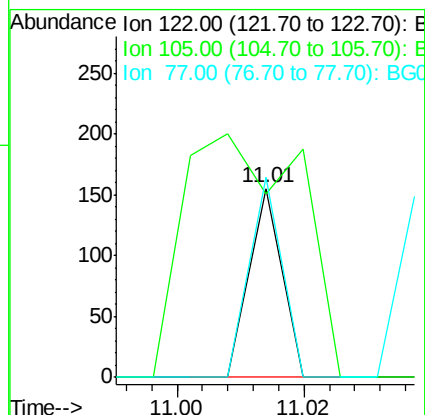
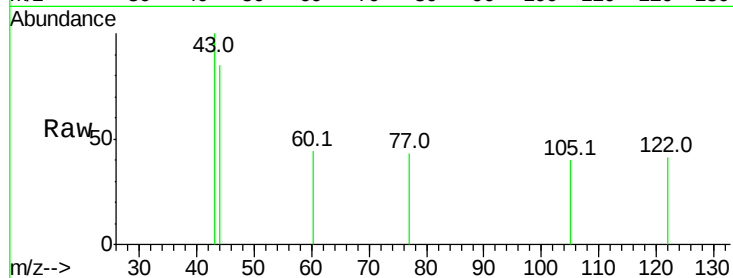
Instrument :

BNA_F

ClientSampleId :

Tot Ion:122 Resp: 55

Ion	Ratio	Lower	Upper
122	100		
105	97.4	123.5	163.5#
77	105.8	85.7	125.7



#33

4-Chloroaniline

Concen: 2.627 ng

RT: 11.84 min Scan# 1455

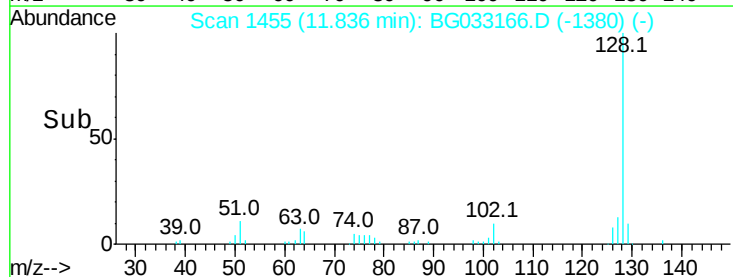
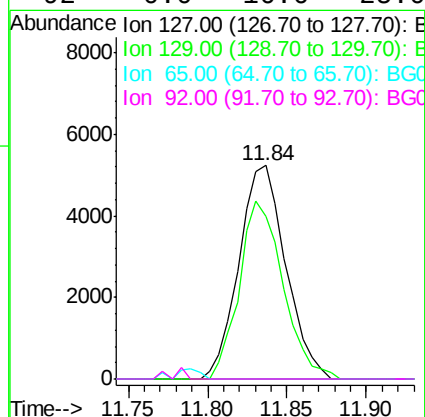
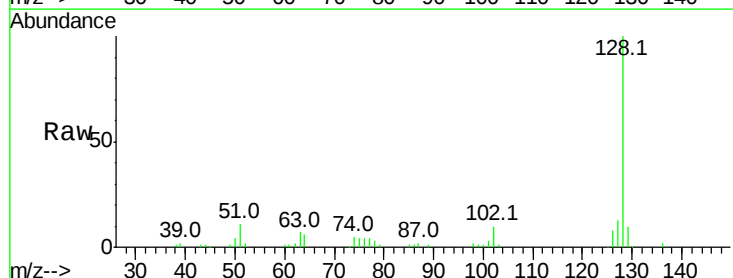
Delta R.T. -0.09 min

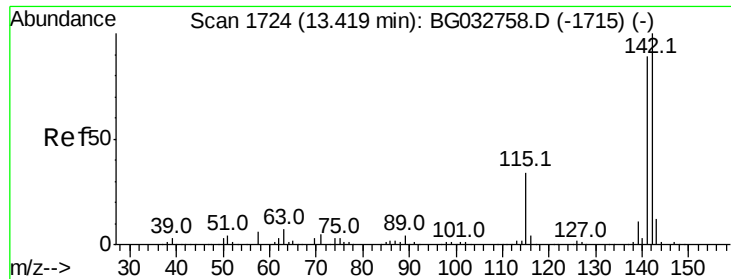
Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

Tgt Ion:127 Resp: 10717

Ion	Ratio	Lower	Upper
127	100		
129	76.3	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

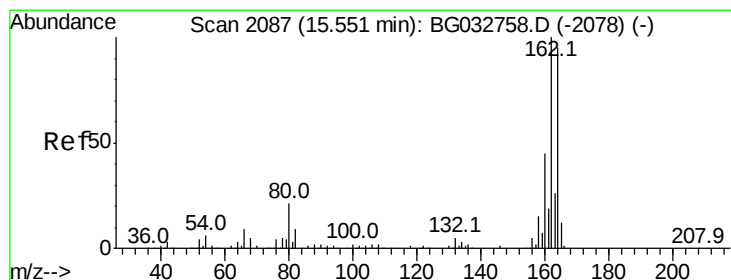
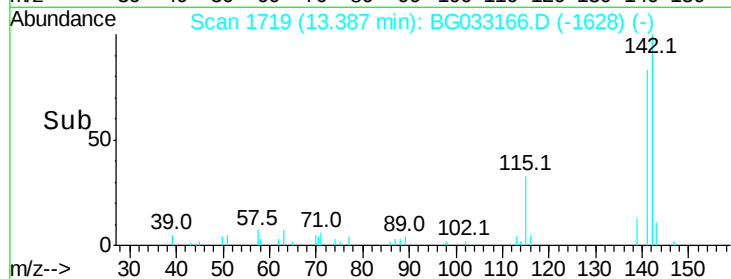
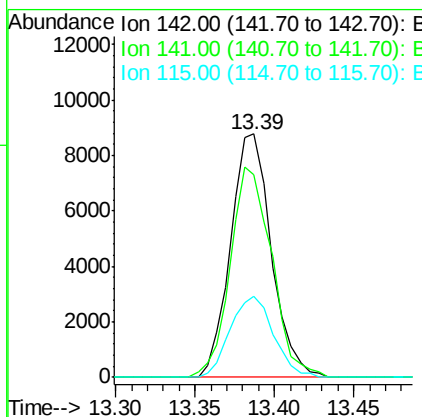
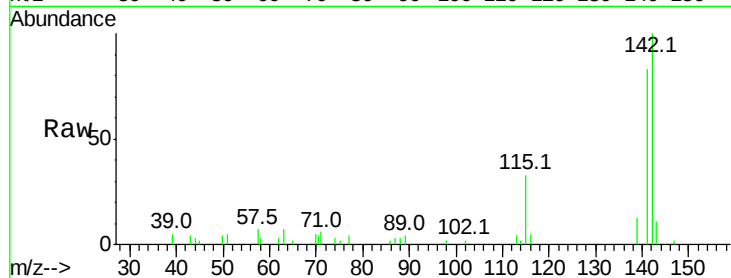




#37
 2-Methylnaphthalene
 Concen: 2.371 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

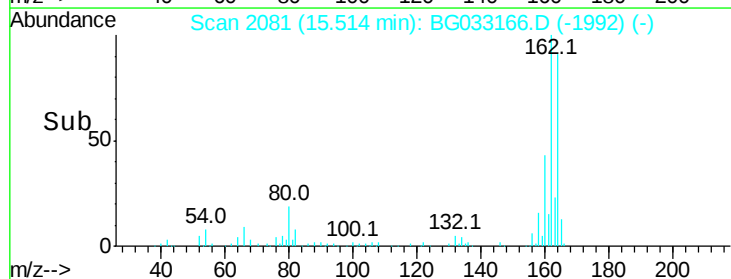
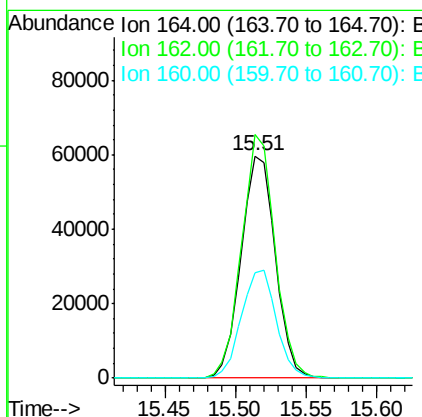
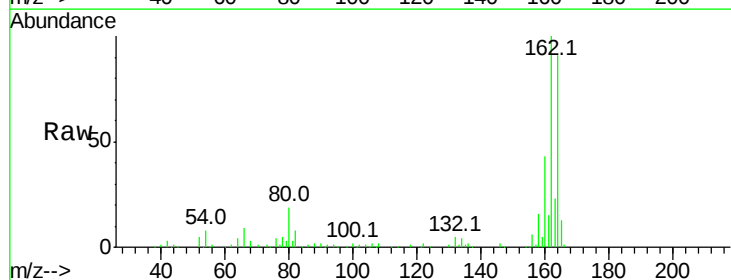
Instrument :
 BNA_F
 ClientSampleId :

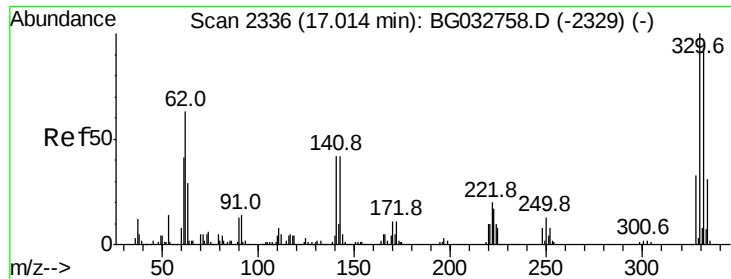
Tot Ion:142 Resp: 15655
 Ion Ratio Lower Upper
 142 100
 141 83.5 67.1 100.7
 115 33.4 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

Tgt Ion:164 Resp: 101378
 Ion Ratio Lower Upper
 164 100
 162 109.6 78.8 118.2
 160 47.2 35.4 53.0

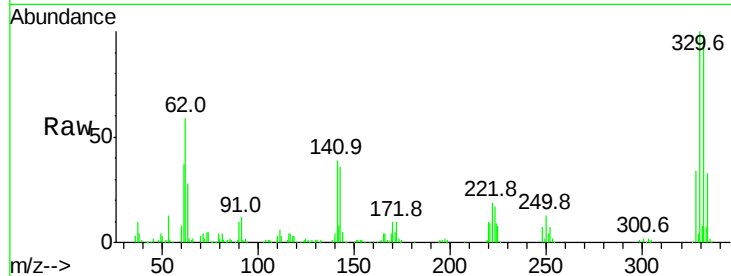




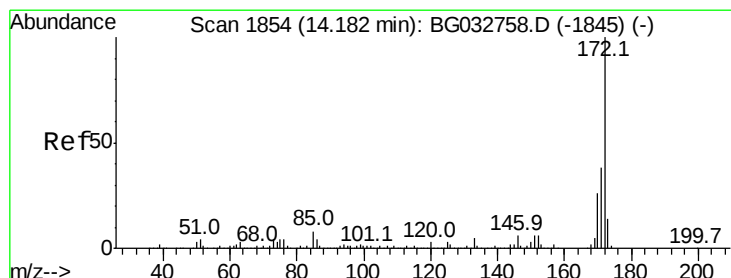
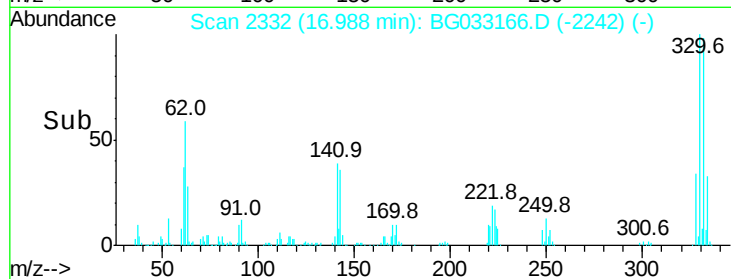
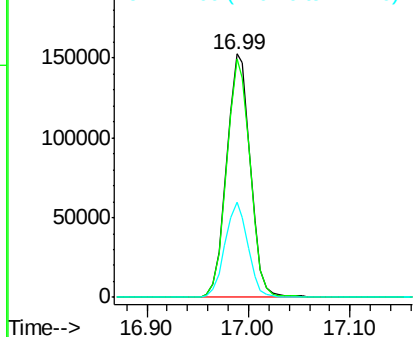
#41
 2,4,6-Tribromophenol
 Concen: 231.915 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 247211
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 37.9 25.2 37.8#

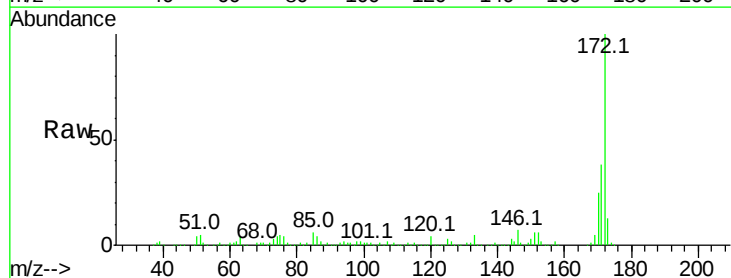


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

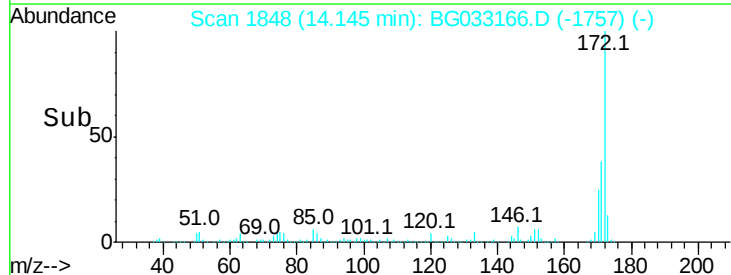
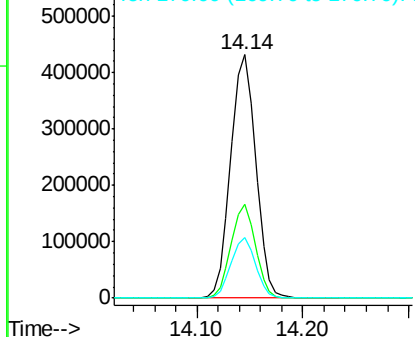


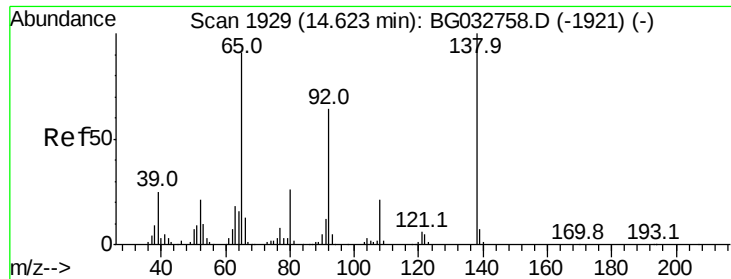
#44
 2-Fluorobiphenyl
 Concen: 100.893 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

Tgt Ion:172 Resp: 709193
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 24.7 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

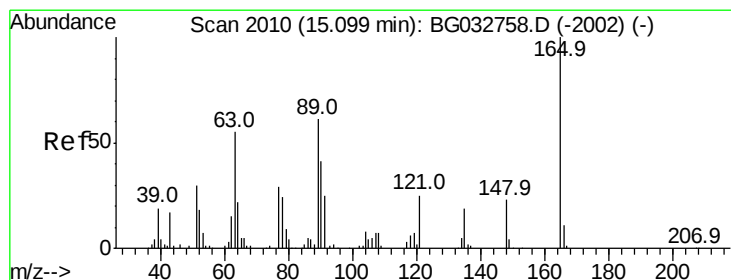
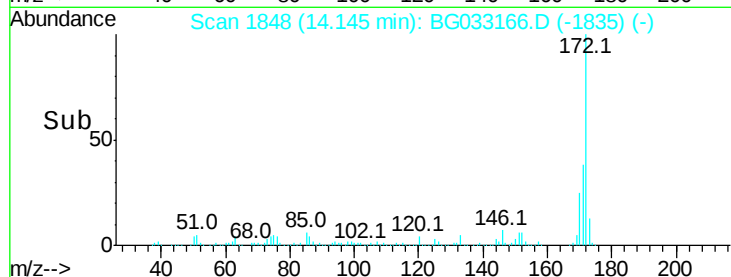
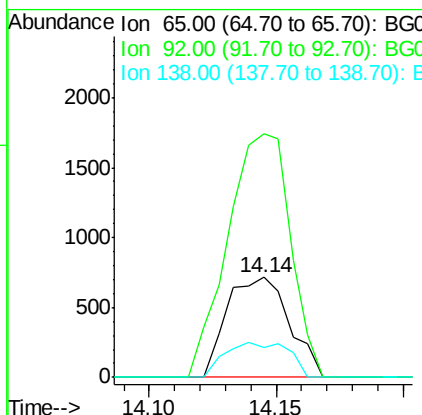
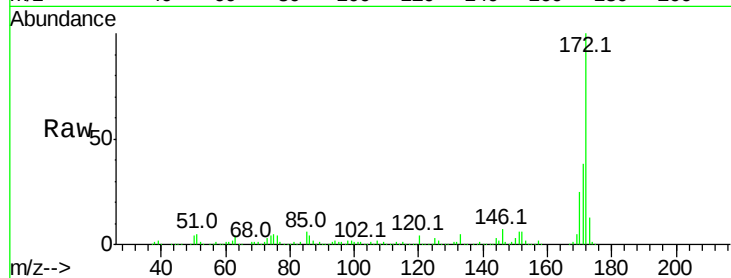




#47
2-Nitroaniline
Concen: 10.420 ng
RT: 14.14 min Scan# 1848
Delta R.T. -0.46 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

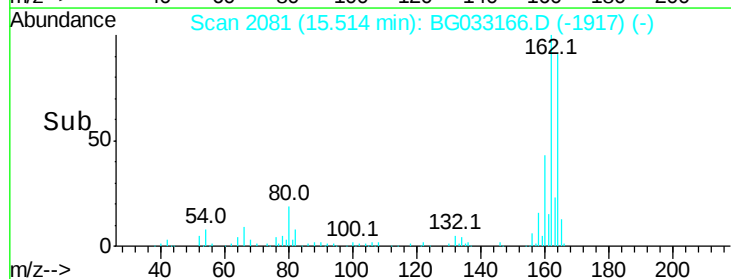
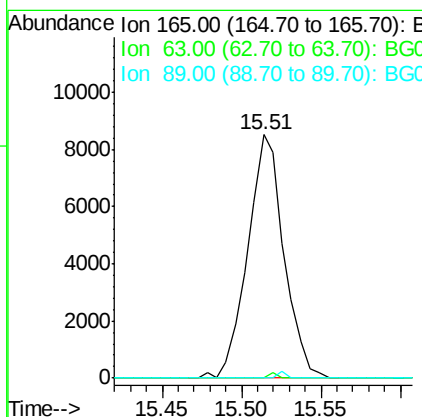
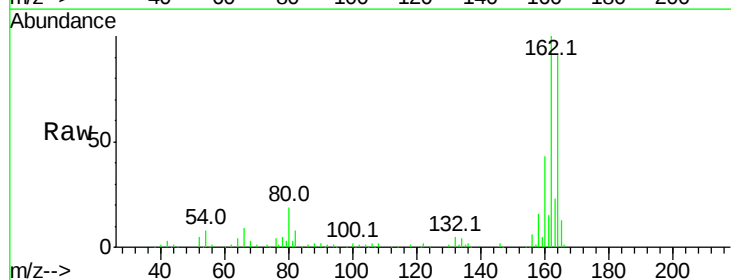
Instrument :
BNA_F
ClientSampleId :

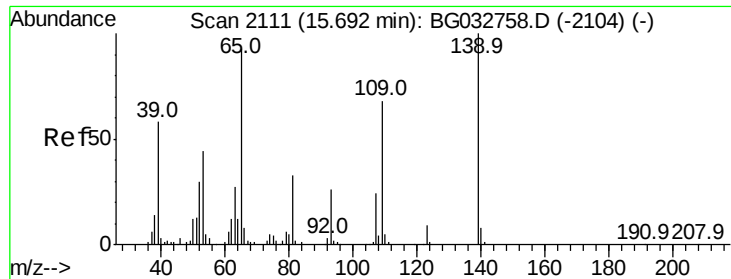
Tot Ion: 65 Resp: 1227
Ion Ratio Lower Upper
65 100
92 243.0 54.6 82.0#
138 30.3 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.578 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Tgt Ion:165 Resp: 13432
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

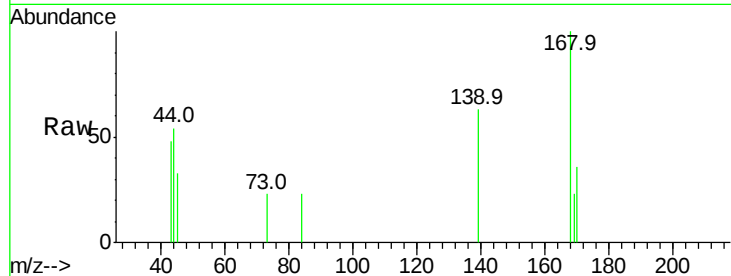




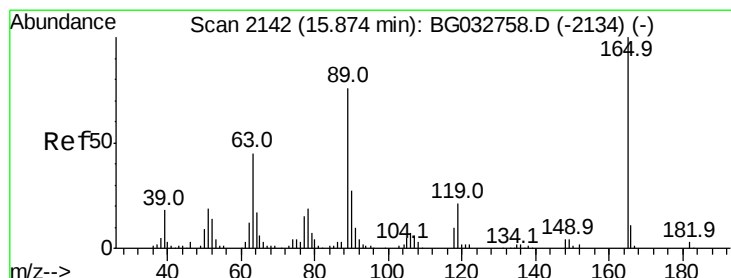
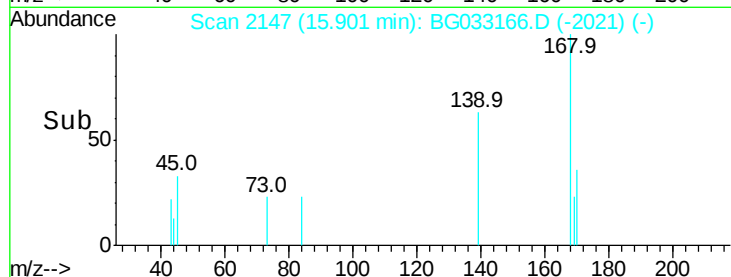
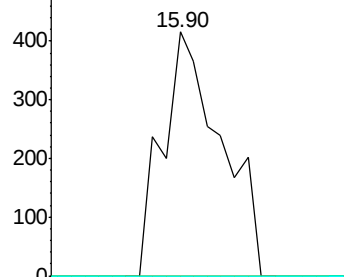
#55
4-Nitrophenol
Concen: 7.555 ng
RT: 15.90 min Scan# 2147
Delta R.T. 0.21 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 734
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

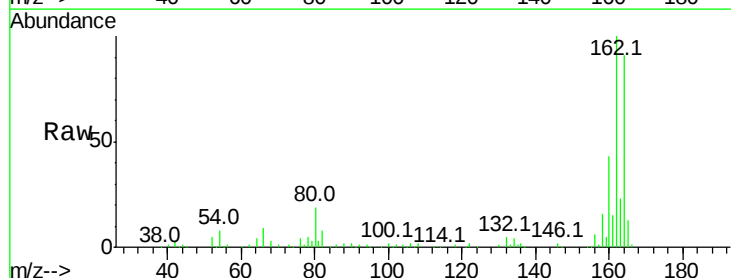


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

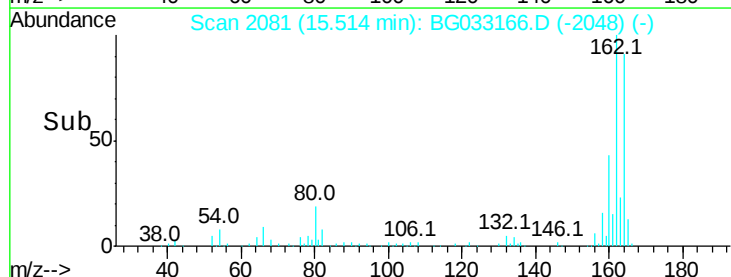
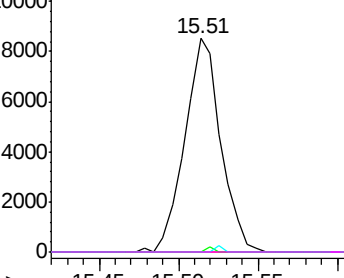


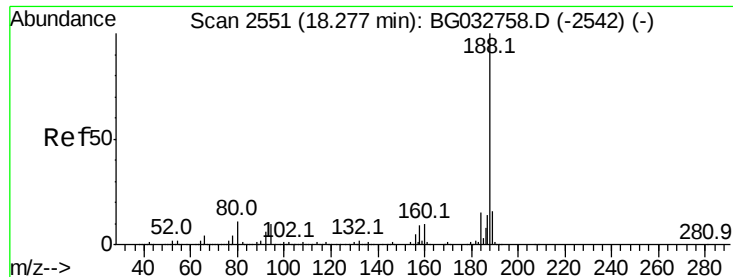
#56
2,4-Dinitrotoluene
Concen: 14.777 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Tgt Ion:165 Resp: 13432
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

Instrument :

BNA_F

ClientSampleId :

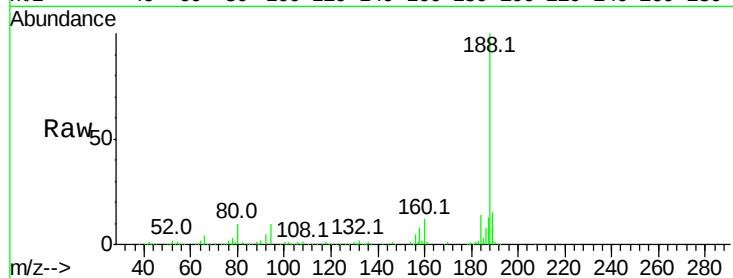
Tot Ion:188 Resp: 256406

Ion Ratio Lower Upper

188 100

94 9.6 6.9 10.3

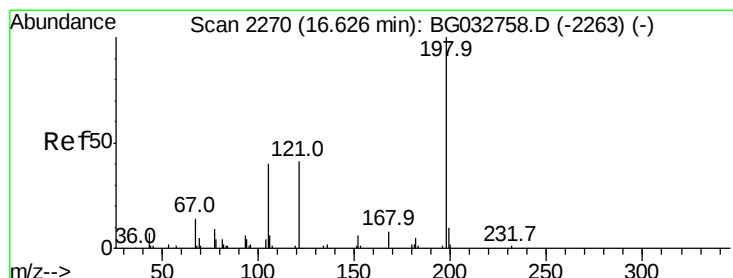
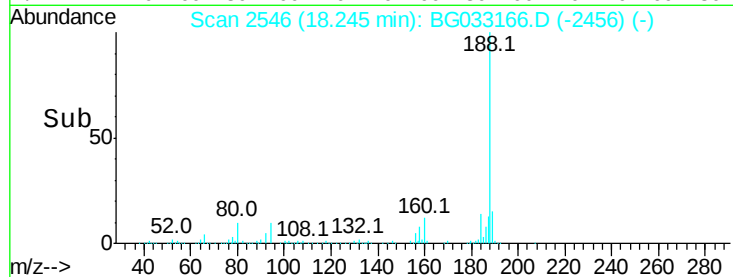
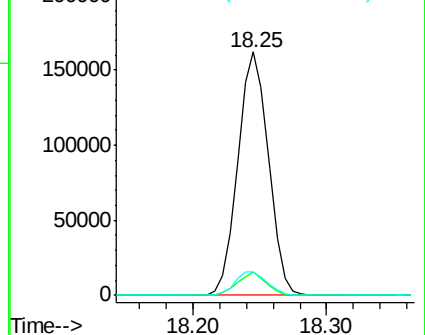
80 9.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.522 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033166.D

Acq: 15 Mar 2018 5:08

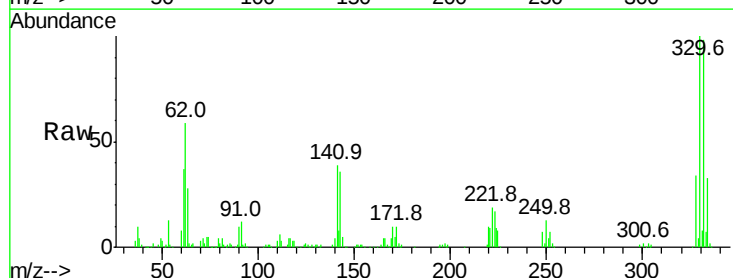
Tgt Ion:198 Resp: 955

Ion Ratio Lower Upper

198 100

51 95.3 30.6 70.6#

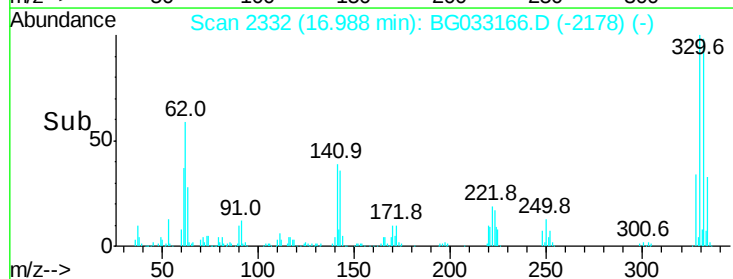
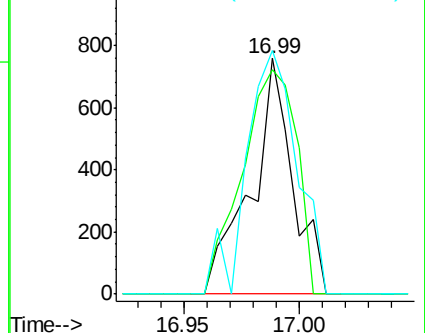
105 103.3 23.8 63.8#

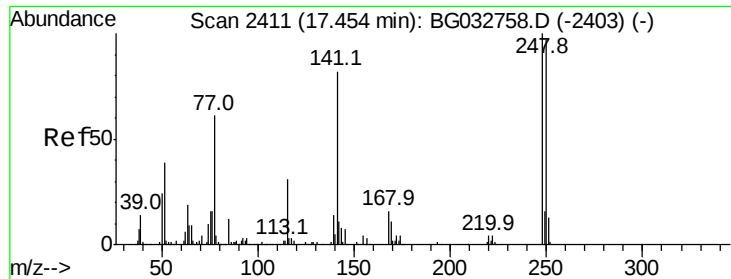


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

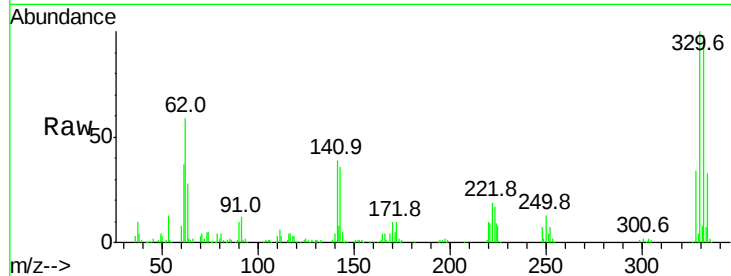




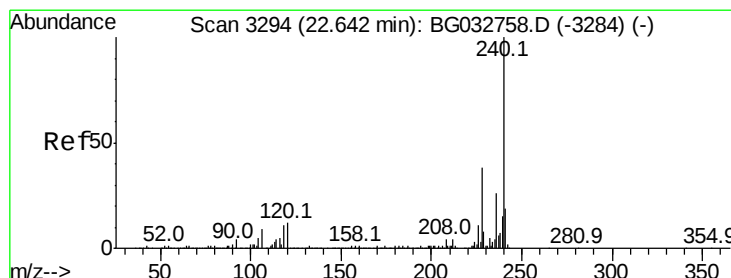
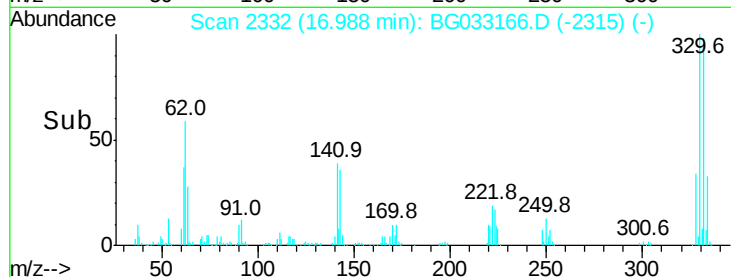
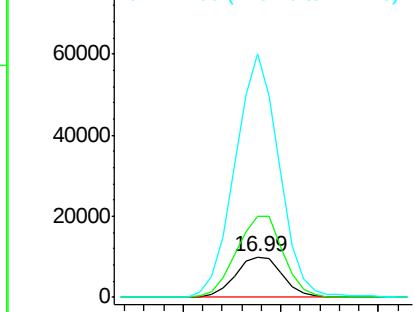
#66
 4-Bromophenyl-phenylether
 Concen: 6.105 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16551
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.1 115.7#
 141 604.4 50.8 76.2#

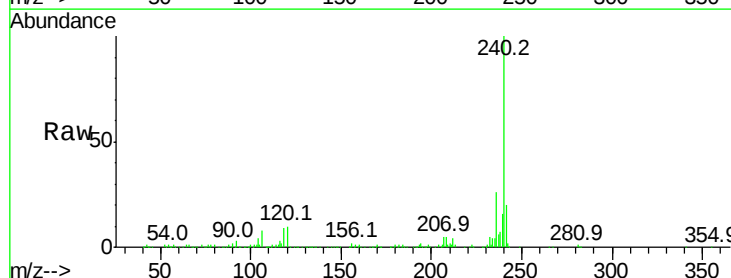


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

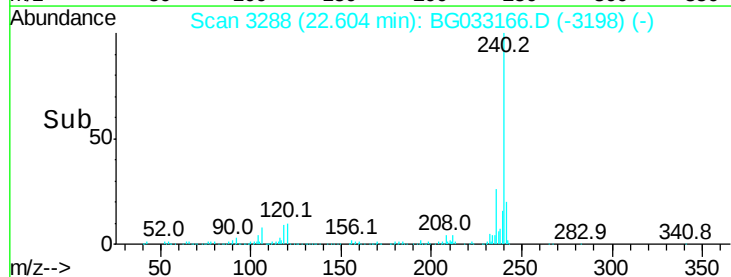
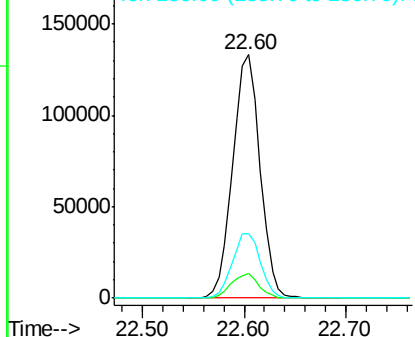


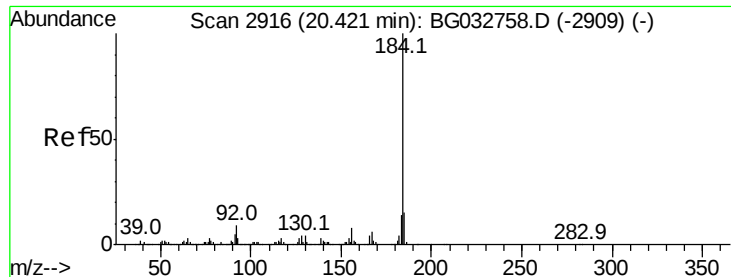
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033166.D
 Acq: 15 Mar 2018 5:08

Tgt Ion:240 Resp: 248904
 Ion Ratio Lower Upper
 240 100
 120 10.2 6.8 10.2#
 236 26.3 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

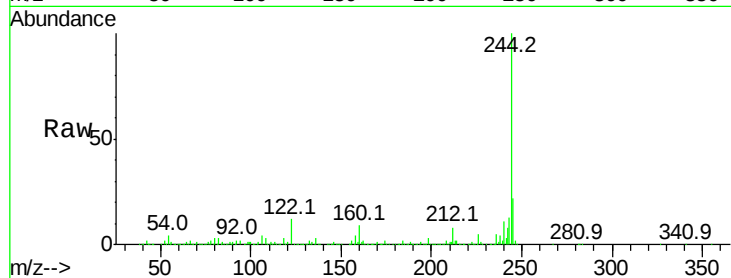




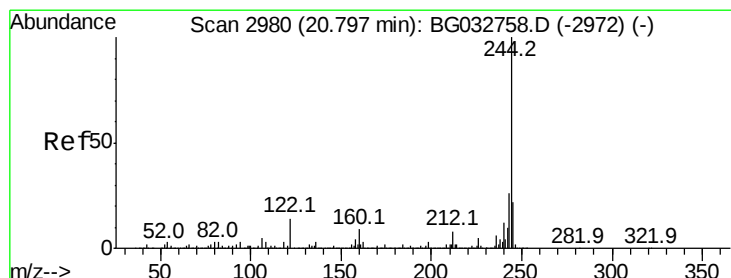
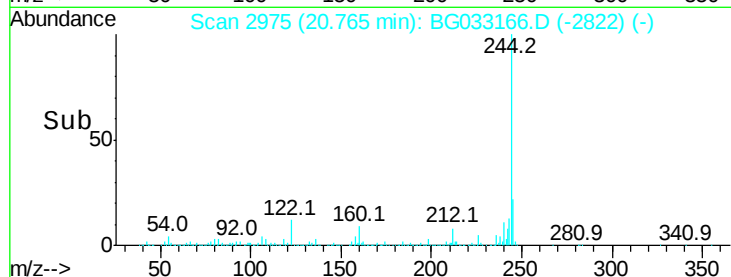
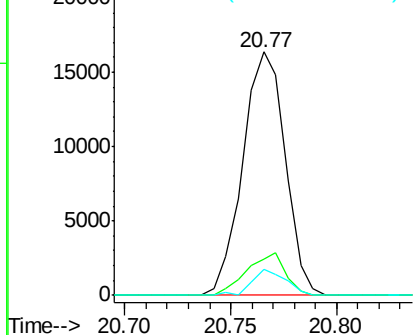
#76
Benzidine
Concen: 2.691 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 22828
Ion Ratio Lower Upper
184 100
185 15.0 11.1 16.7
183 10.7 10.6 16.0

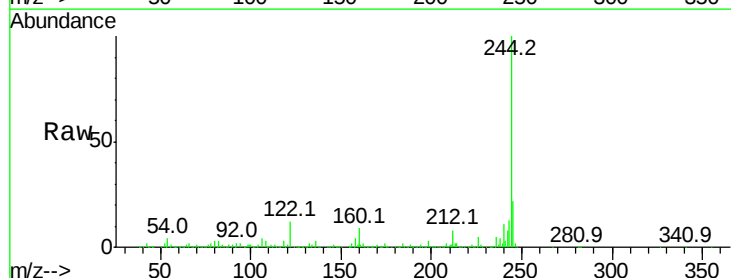


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

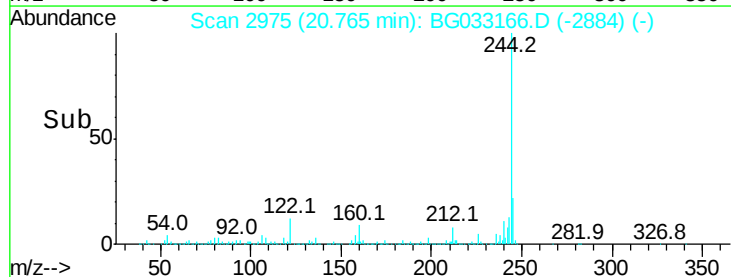
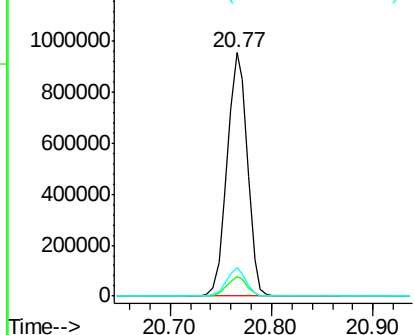


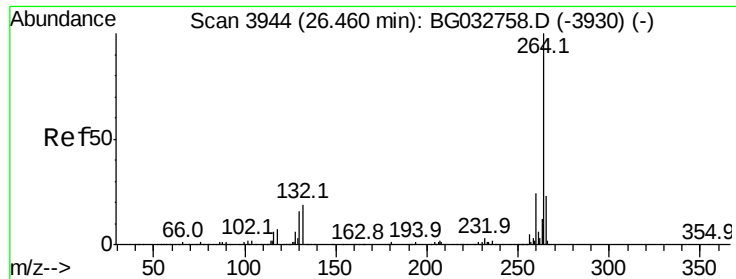
#78
Terphenyl-d14
Concen: 119.331 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Tgt Ion:244 Resp: 1322011
Ion Ratio Lower Upper
244 100
212 8.2 5.8 8.8
122 11.7 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





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033166.D
Acq: 15 Mar 2018 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.4	26.0
265	21.8	17.7	26.5

