

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033170.D
 Acq On : 15 Mar 2018 7:38
 Operator : SJ/JU
 Sample : J1908-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 08:19:01 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	8.90	152	39464	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	171724	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	101359	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	246259	20.00	ng	0.00
75) Chrysene-d12	22.60	240	234248	20.00	ng	0.00
86) Perylene-d12	26.40	264	246682	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	339895	137.79	ng	0.00
7) Phenol-d6	8.00	99	403144	117.25	ng	0.00
23) Nitrobenzene-d5	10.10	82	310413	120.72	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	234490	220.02	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	701825	99.86	ng	0.00
78) Terphenyl-d14	20.76	244	1208162	115.88	ng	0.00

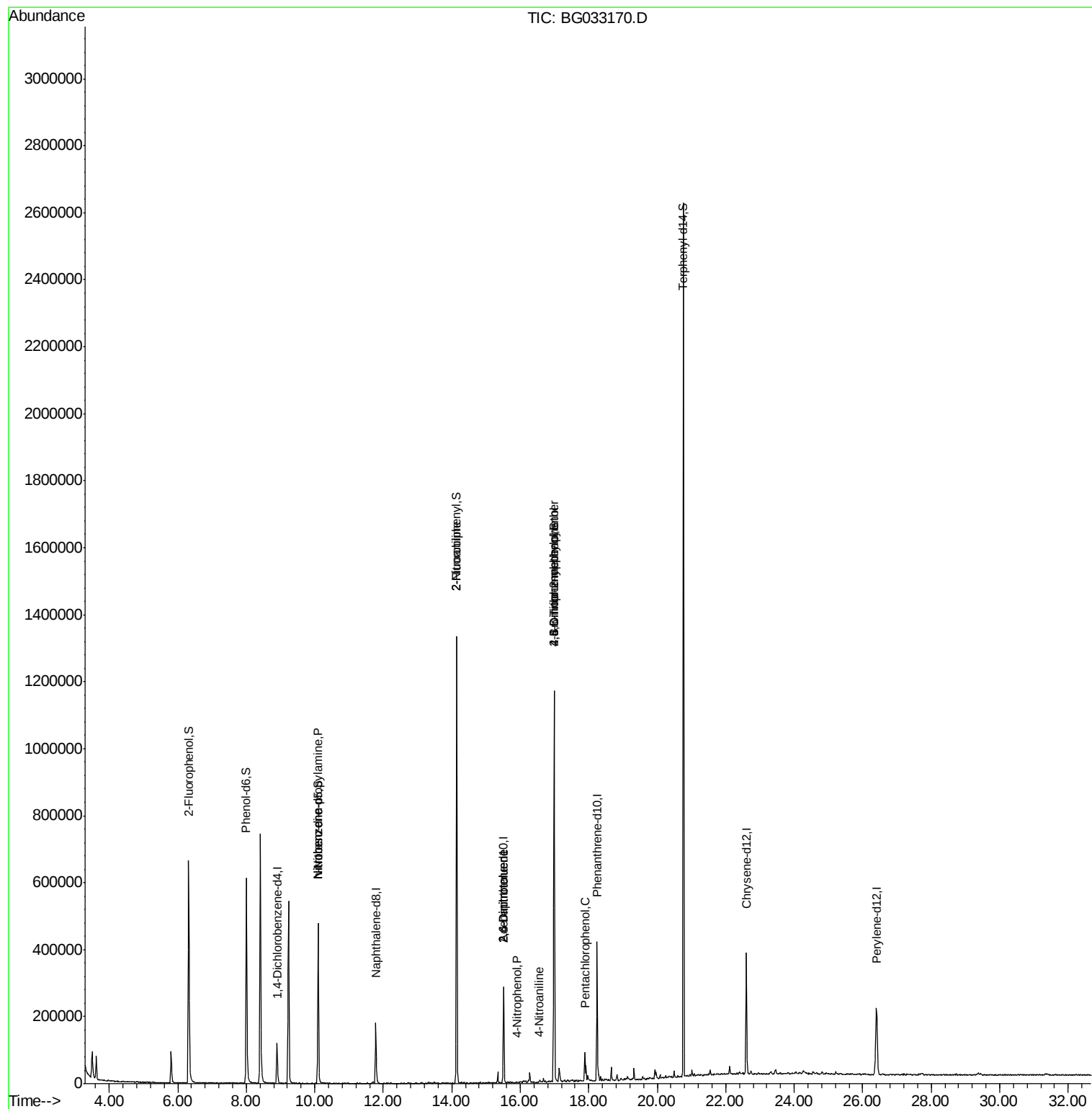
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	42168	17.372	ng	# 85
24) Nitrobenzene	10.10	77	1014	6.701	ng	# 42
47) 2-Nitroaniline	14.14	65	1108	10.364	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	12952	16.305	ng	# 20
55) 4-Nitrophenol	15.91	139	318	7.286	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12952	14.502	ng	# 18
61) 4-Nitroaniline	16.56	138	307	5.446	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	671	6.104	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15519	5.960	ng	# 1
69) Pentachlorophenol	17.89	266	18192	10.264	ng	98

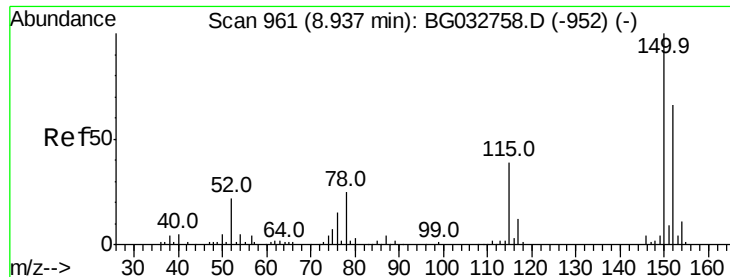
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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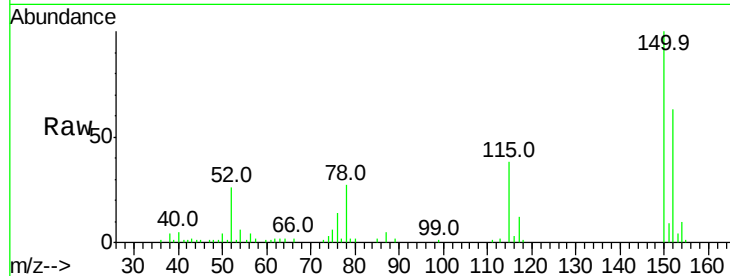


#1

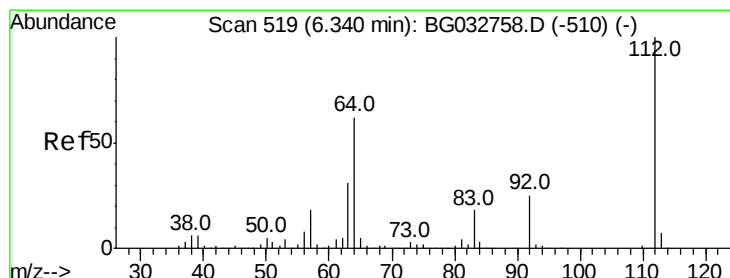
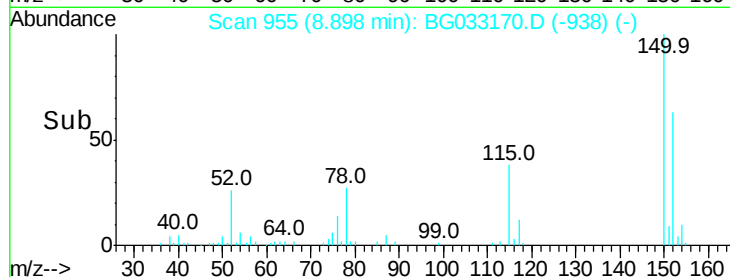
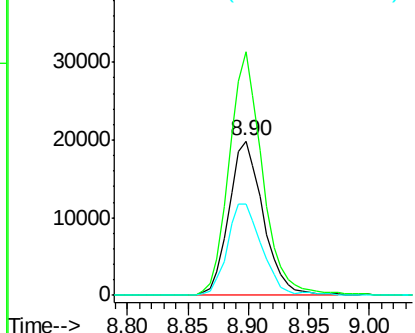
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 39464
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 59.6 53.0 79.4



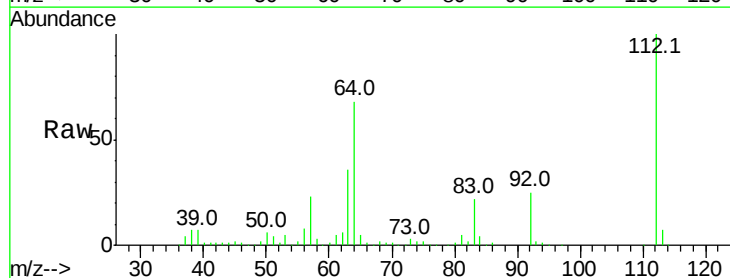
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



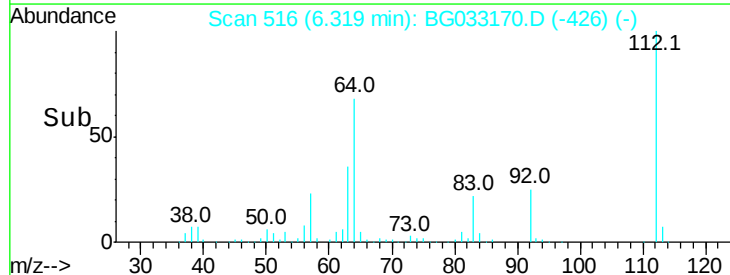
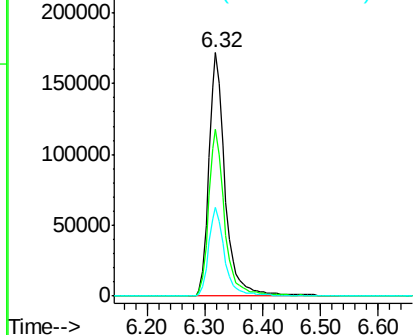
#5

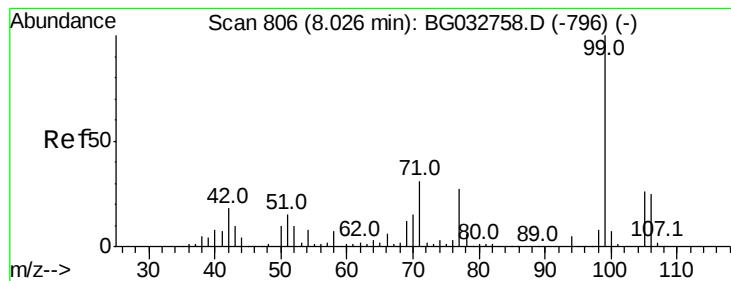
2-Fluorophenol
Concen: 137.792 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:112 Resp: 339895
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 36.4 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: 117.252 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

Instrument :

BNA_F

ClientSampled :

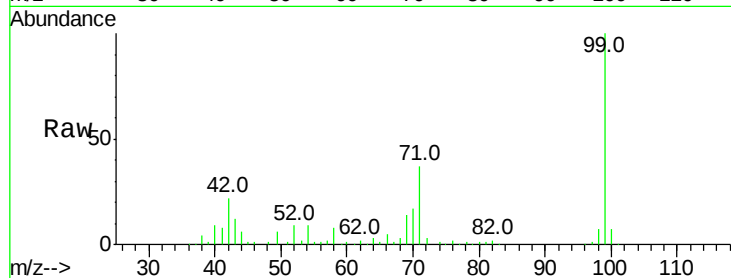
Tot Ion: 99 Resp: 403144

Ion Ratio Lower Upper

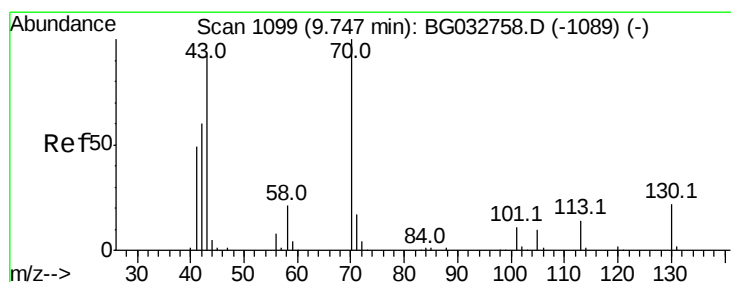
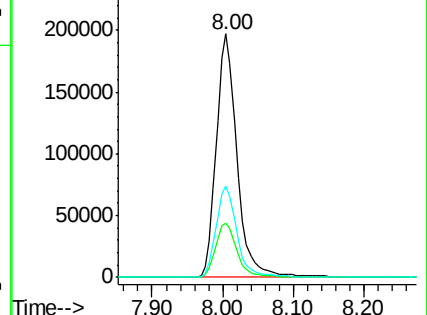
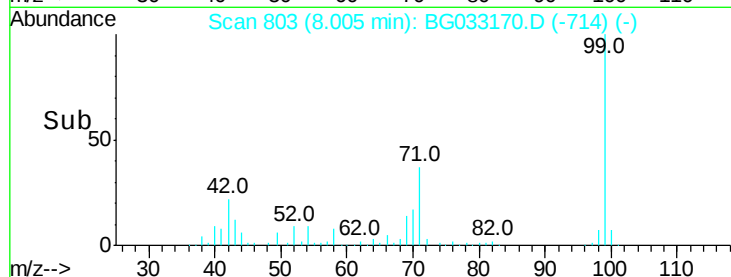
99 100

42 22.2 14.1 21.1#

71 37.3 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: 17.372 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

Tgt Ion: 70 Resp: 42168

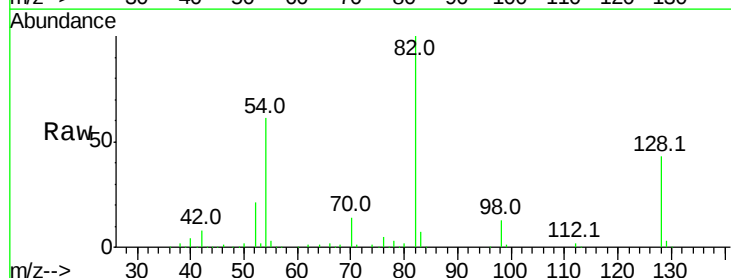
Ion Ratio Lower Upper

70 100

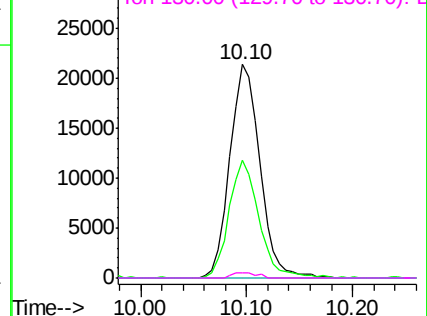
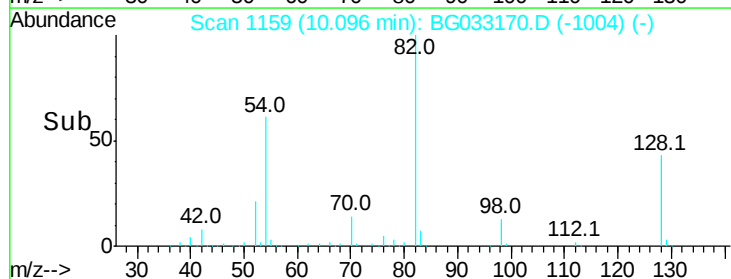
42 55.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

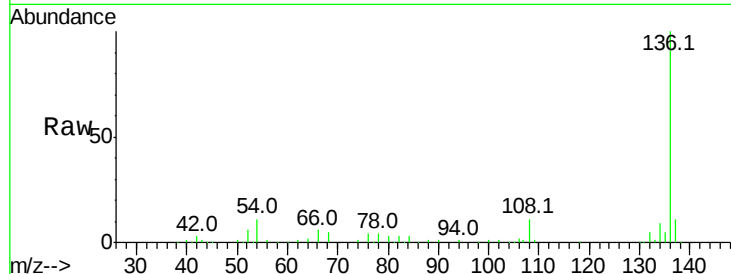




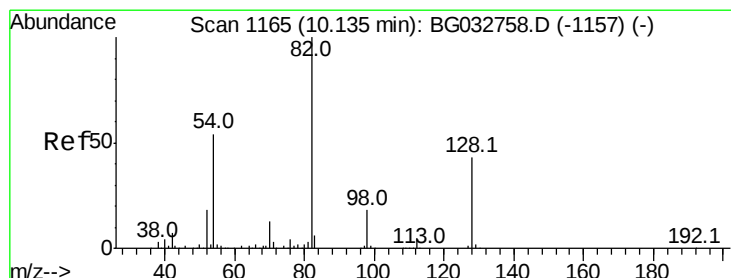
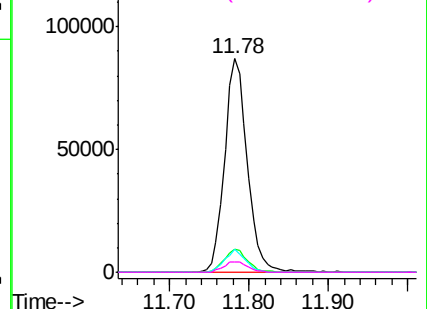
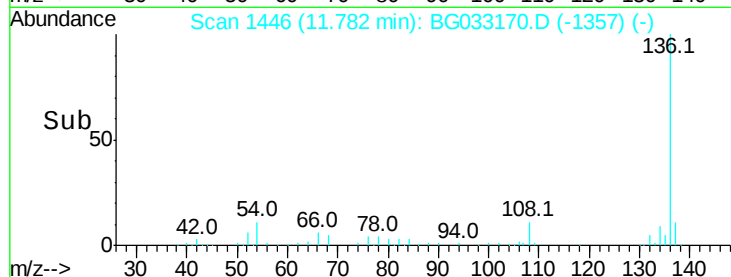
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	171724
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	10.9	10.3	15.5
68	4.8	4.5	6.7

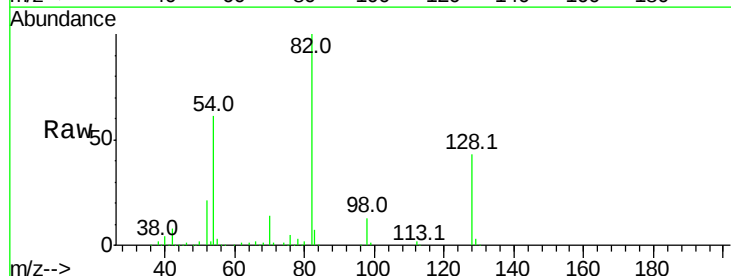


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

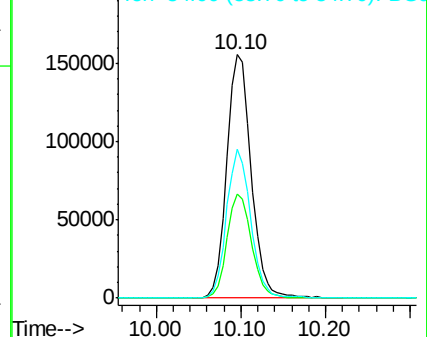
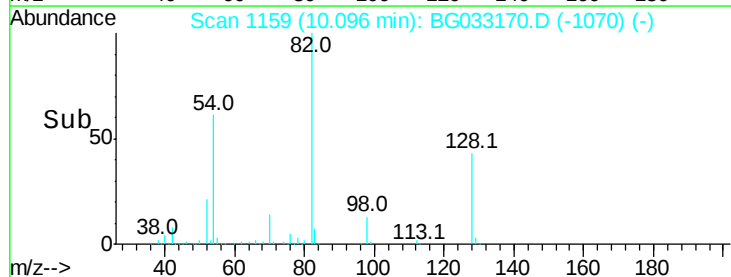


#23
Nitrobenzene-d5
Concen: 120.724 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:	82	Resp:	310413
Ion	Ratio	Lower	Upper
82	100		
128	42.5	29.7	44.5
54	61.1	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

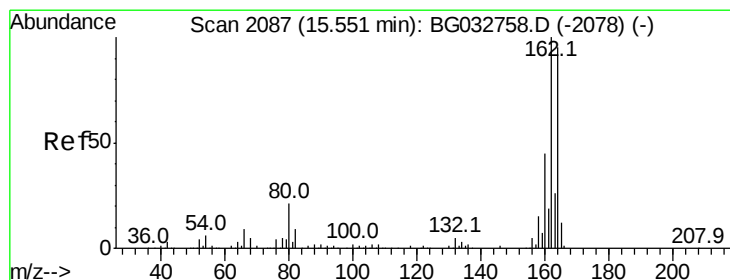
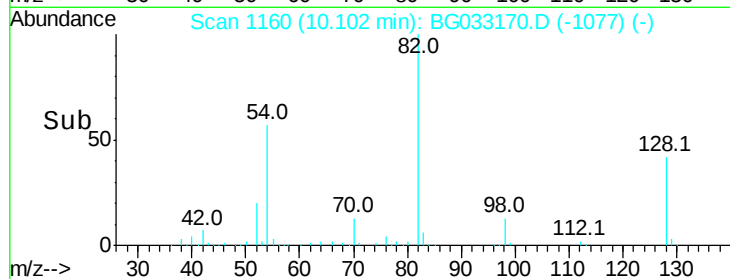
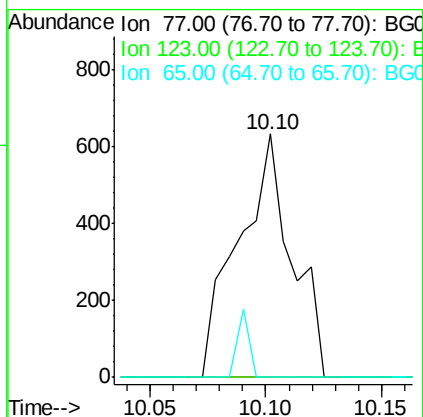
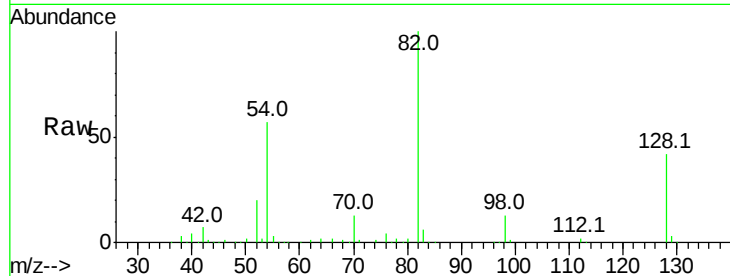




#24
Nitrobenzene
Concen: 6.701 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.04 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

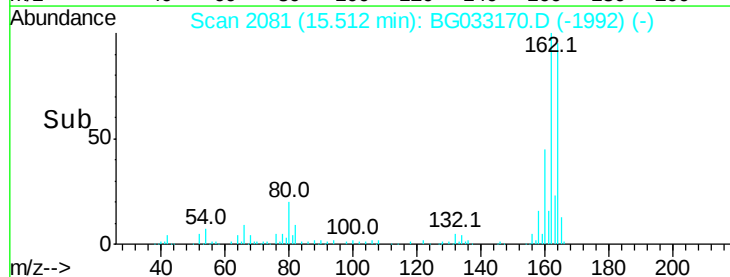
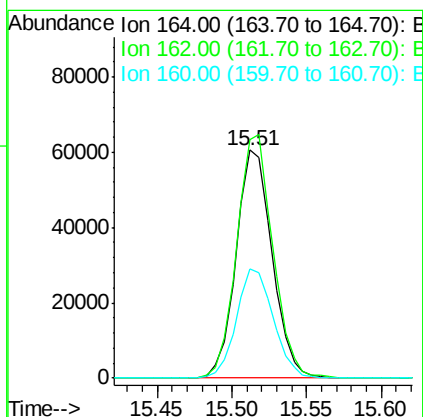
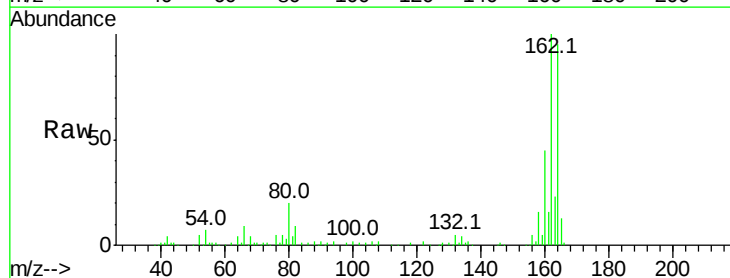
Instrument :
BNA_F
ClientSampled :

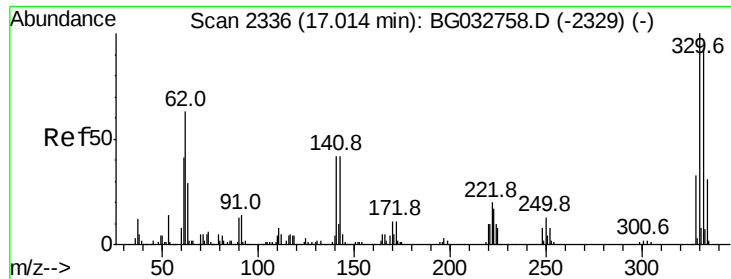
Tot Ion: 77 Resp: 1014
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 0.0 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:164 Resp: 101359
Ion Ratio Lower Upper
164 100
162 105.0 78.8 118.2
160 47.7 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 220.022 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

Instrument :

BNA_F

ClientSampleId :

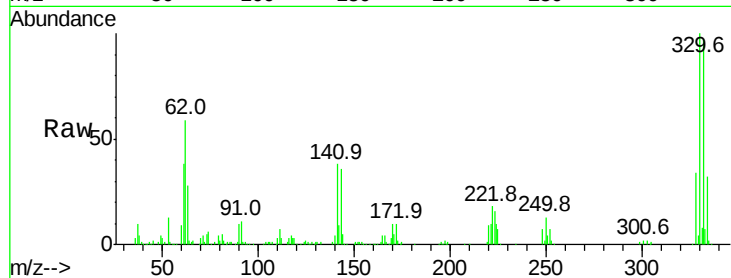
Tot Ion:330 Resp: 234490

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

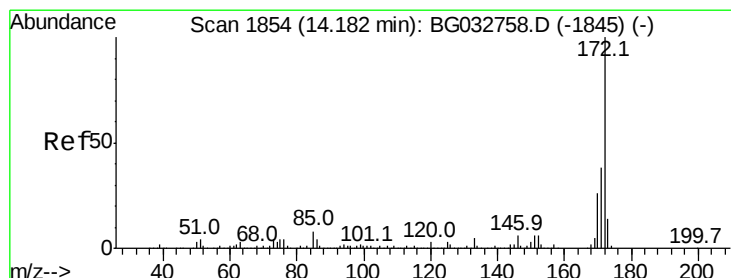
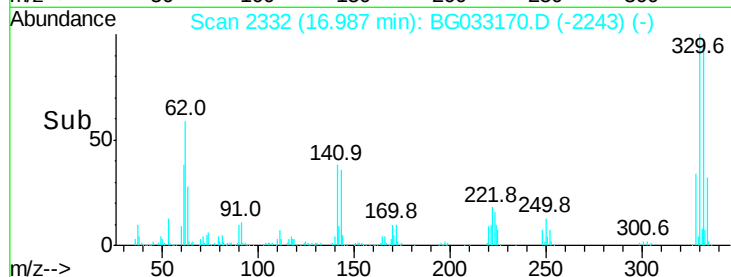
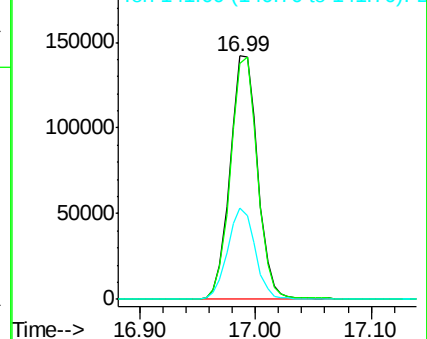
141 37.3 25.2 37.8



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: 99.864 ng

RT: 14.14 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

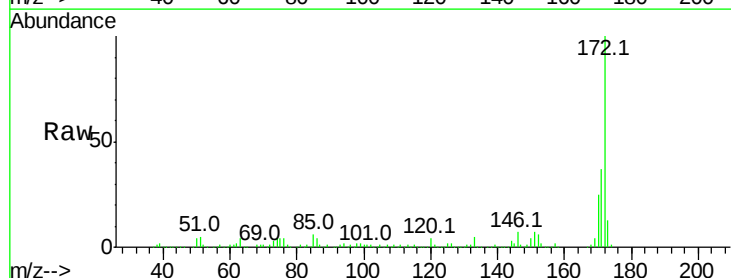
Tgt Ion:172 Resp: 701825

Ion Ratio Lower Upper

172 100

171 37.4 30.0 45.0

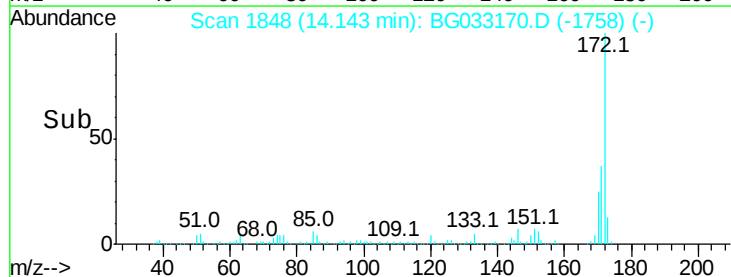
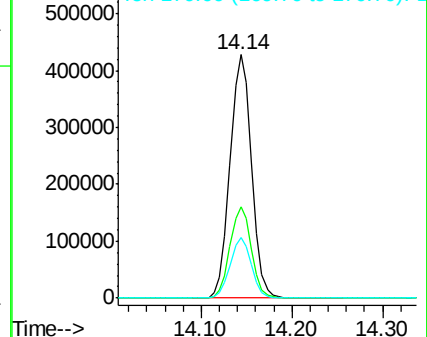
170 25.1 19.5 29.3



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

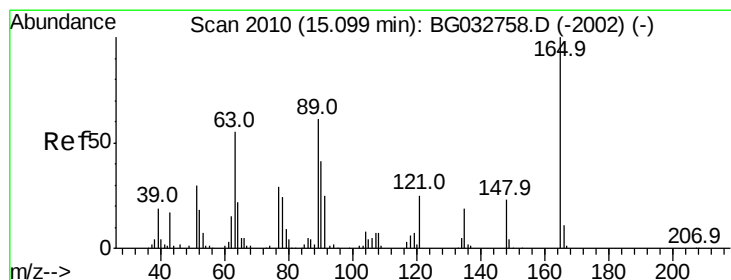
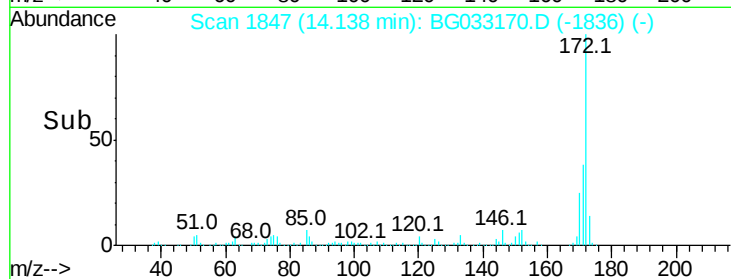
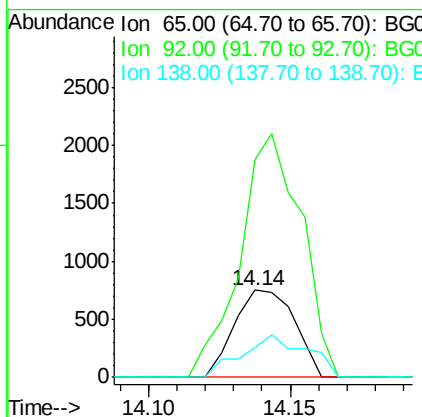
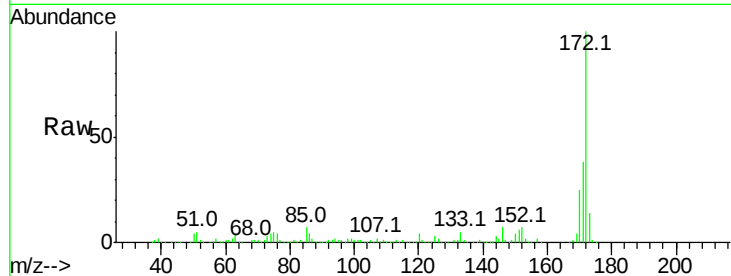




#47
2-Nitroaniline
Concen: 10.364 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

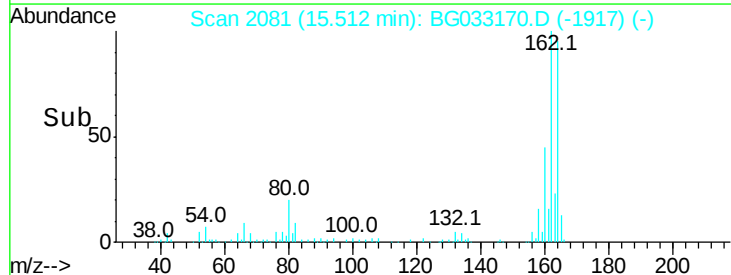
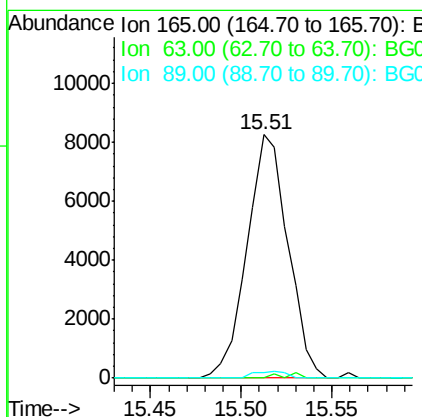
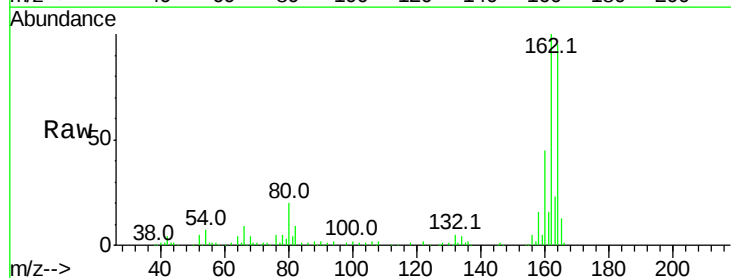
Instrument :
BNA_F
ClientSampleId :

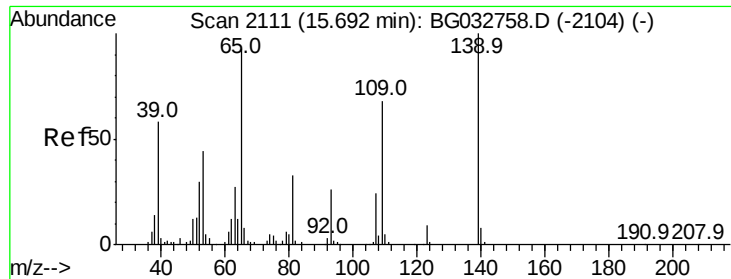
Tot Ion: 65 Resp: 1108
Ion Ratio Lower Upper
65 100
92 251.2 54.6 82.0#
138 33.7 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.305 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.43 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:165 Resp: 12952
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.1 49.2 73.8#

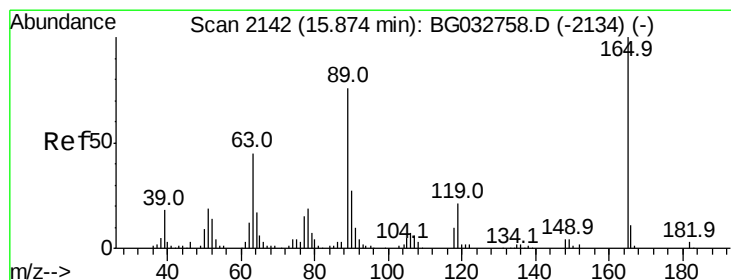
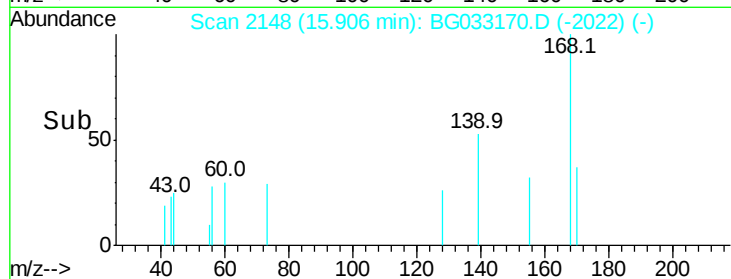
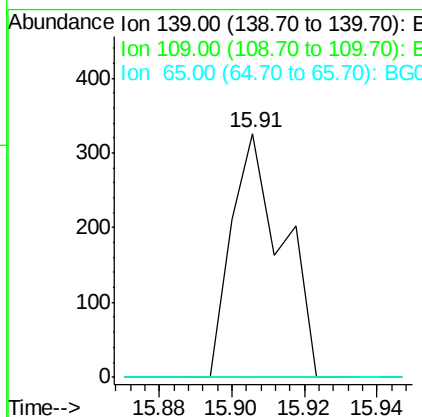
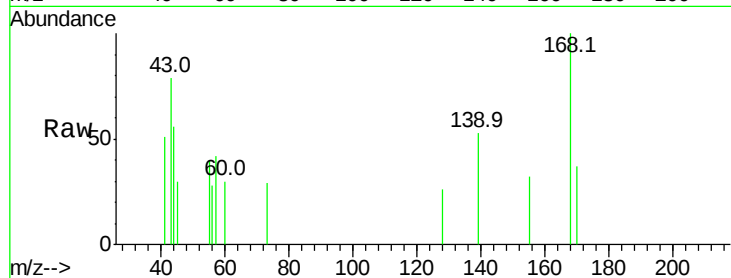




#55
4-Nitrophenol
Concen: 7.286 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.21 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

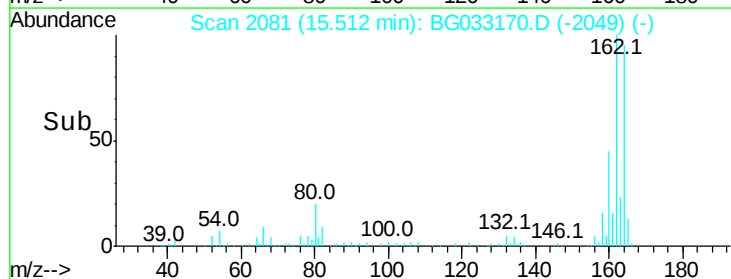
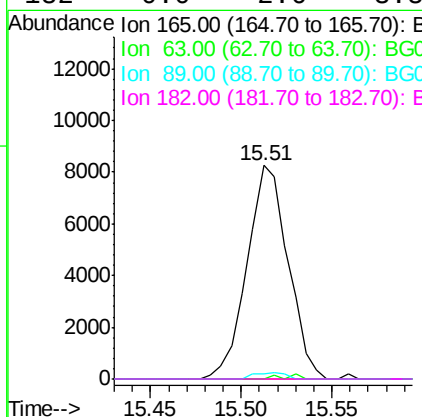
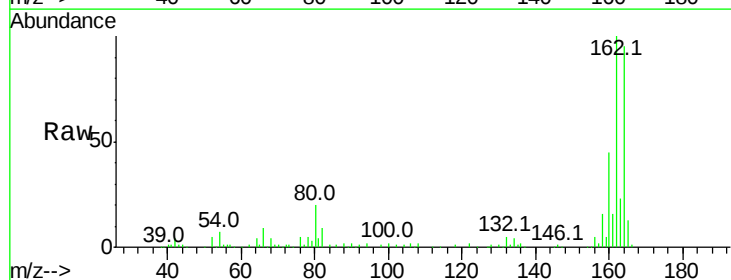
Instrument :
BNA_F
ClientSampleId :

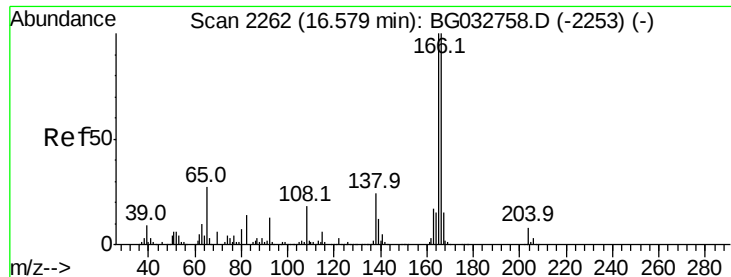
Tot Ion:139 Resp: 318
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.502 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:165 Resp: 12952
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#

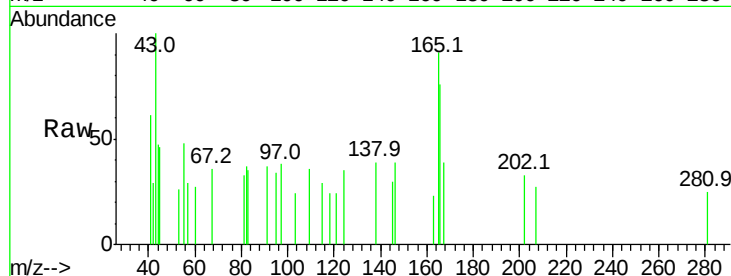




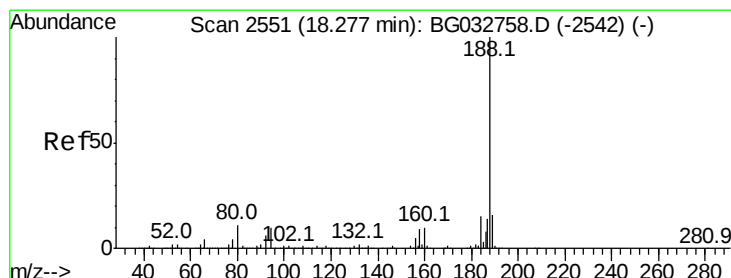
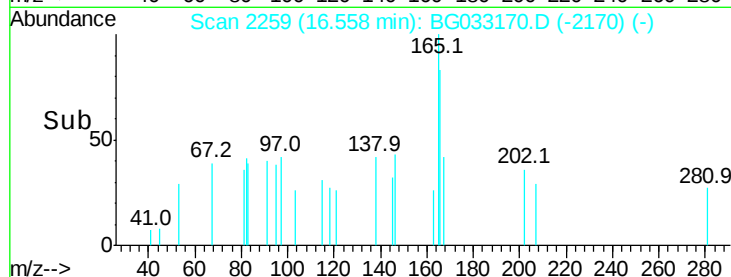
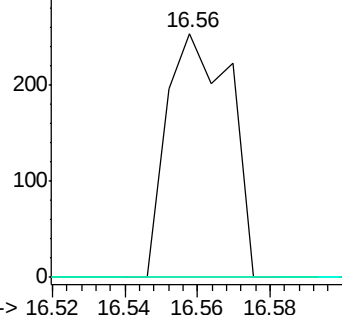
#61
4-Nitroaniline
Concen: 5.446 ng
RT: 16.56 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 307
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

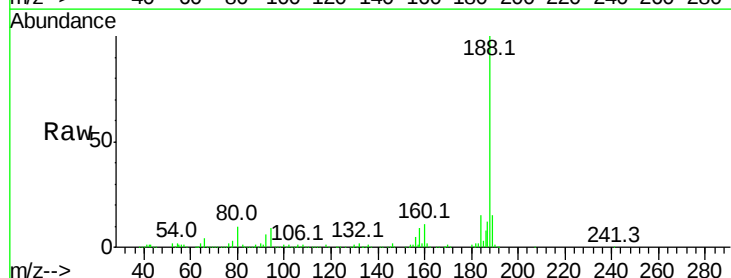


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

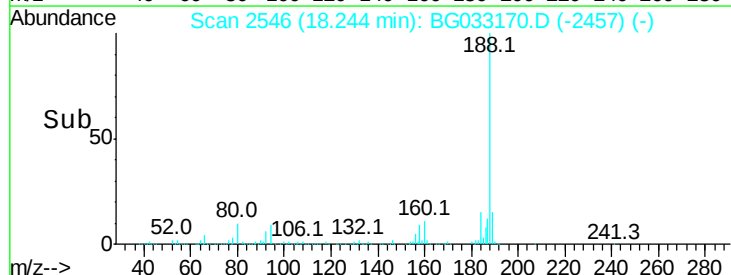
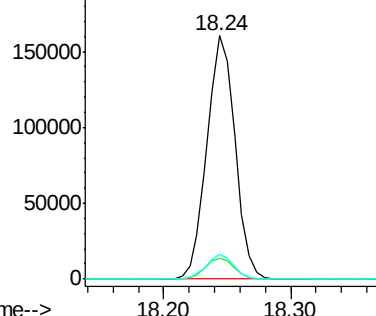


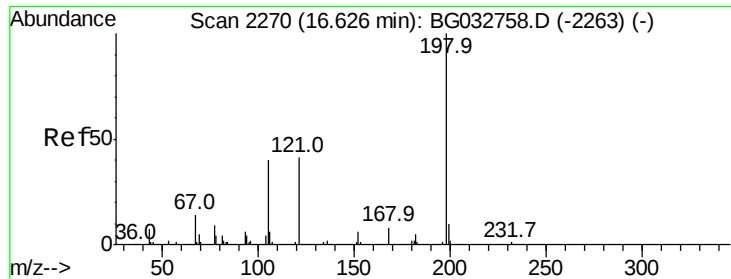
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BG033170.D
Acq: 15 Mar 2018 7:38

Tgt Ion:188 Resp: 246259
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.9 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: 6.104 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

Instrument :

BNA_F

ClientSampled :

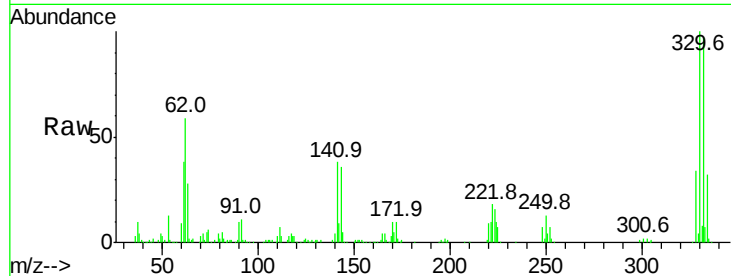
Tot Ion:198 Resp: 671

Ion Ratio Lower Upper

198 100

51 146.3 30.6 70.6#

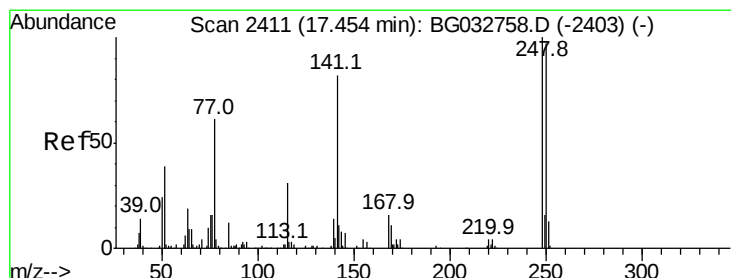
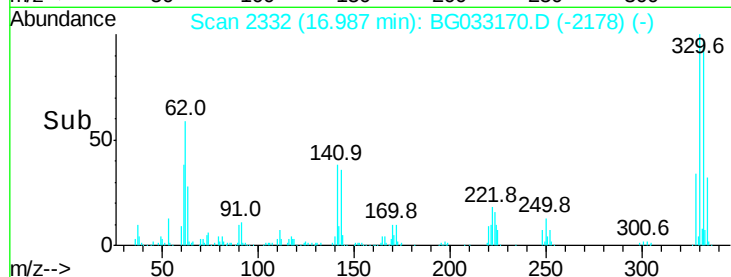
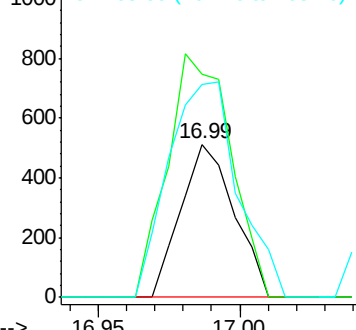
105 139.1 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.960 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

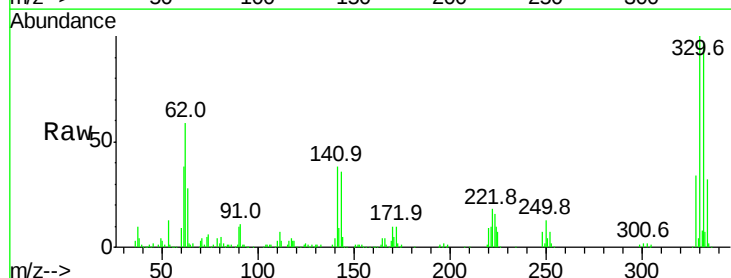
Tgt Ion:248 Resp: 15519

Ion Ratio Lower Upper

248 100

250 188.1 77.1 115.7#

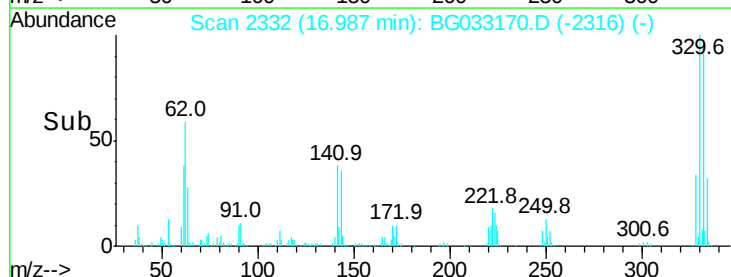
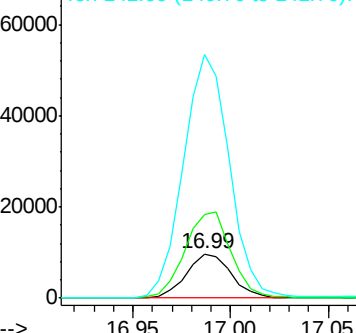
141 546.2 50.8 76.2#

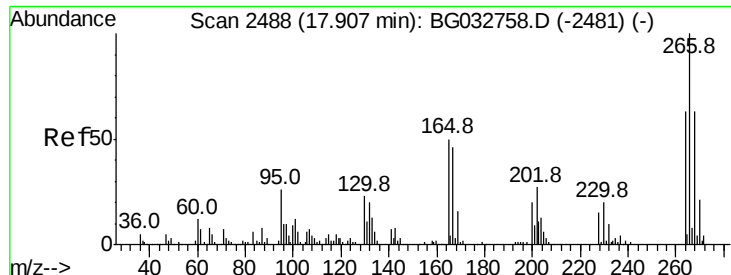


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Pentachlorophenol

Concen: 10.264 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

Instrument :

BNA_F

ClientSampleId :

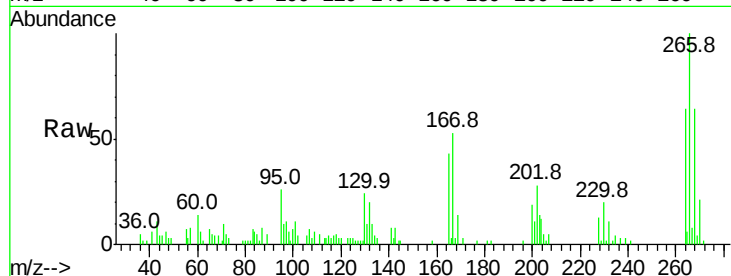
Tot Ion:266 Resp: 18192

Ion Ratio Lower Upper

266 100

268 64.1 51.1 76.7

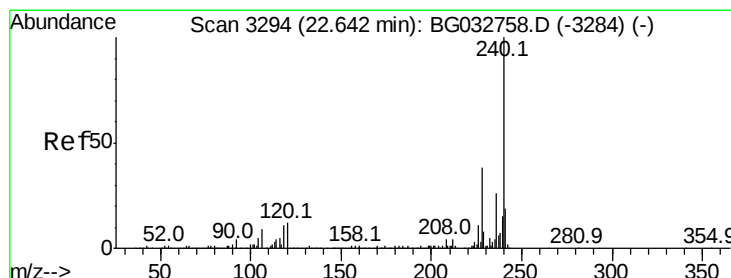
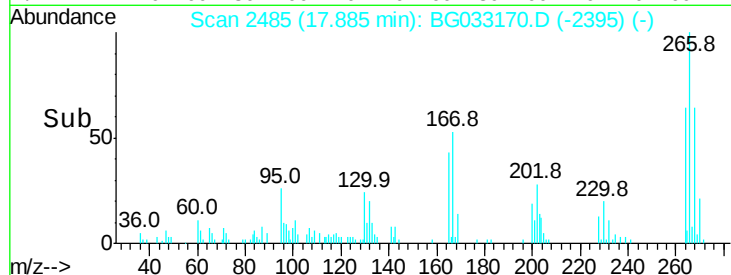
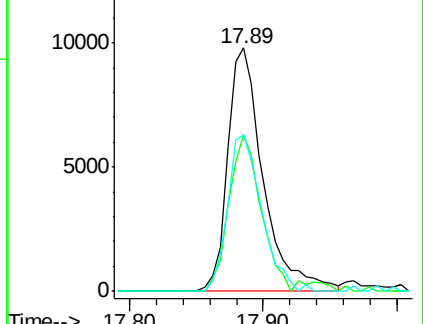
264 64.3 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033170.D

Acq: 15 Mar 2018 7:38

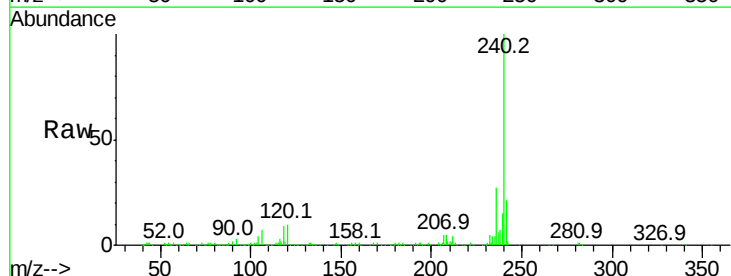
Tgt Ion:240 Resp: 234248

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

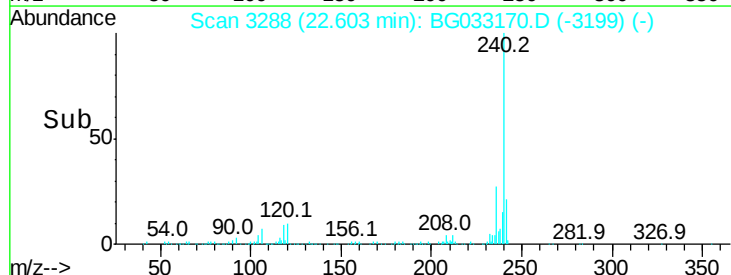
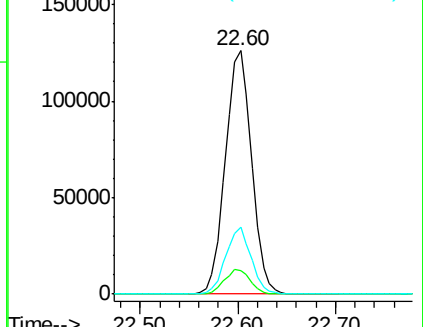
236 27.3 20.9 31.3

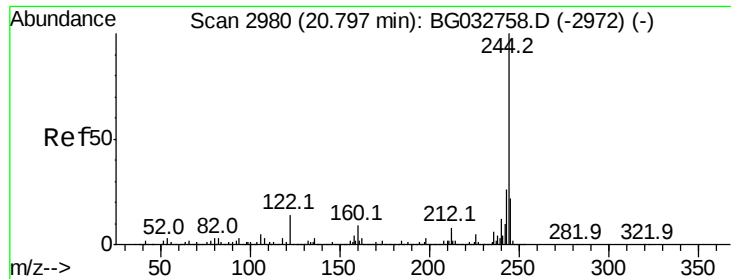


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



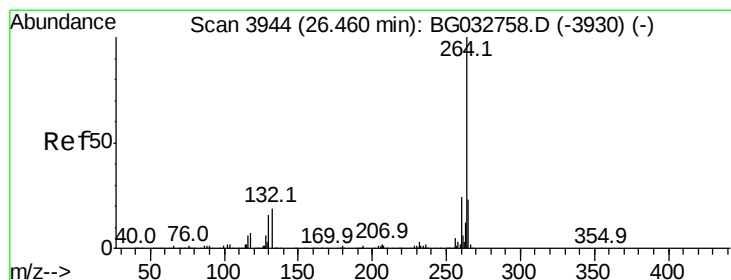
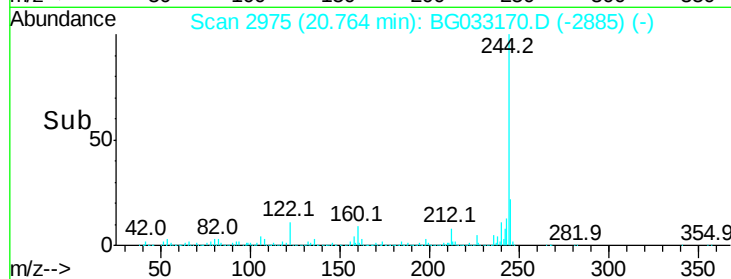
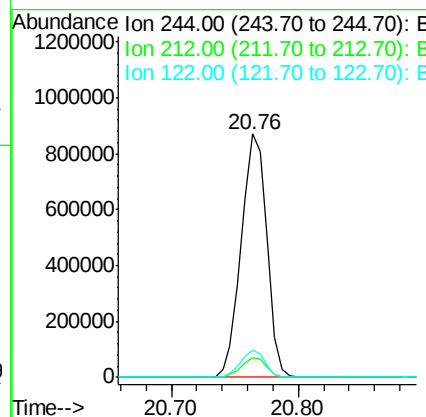
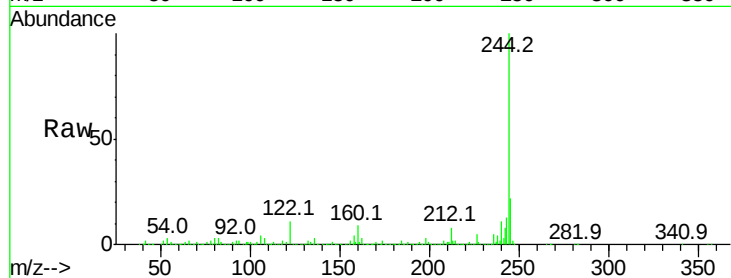


#78
 Terphenyl-d14
 Concen: 115.878 ng
 RT: 20.76 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BG033170.D
 Acq: 15 Mar 2018 7:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1208162

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	11.1	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3934
 Delta R.T. -0.01 min
 Lab File: BG033170.D
 Acq: 15 Mar 2018 7:38

Tgt Ion:264 Resp: 246682

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.3	17.7	26.5

