

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032844.D
 Acq On : 27 Feb 2018 5:41
 Operator : SJ/JU
 Sample : J1691-40
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 07:10:25 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

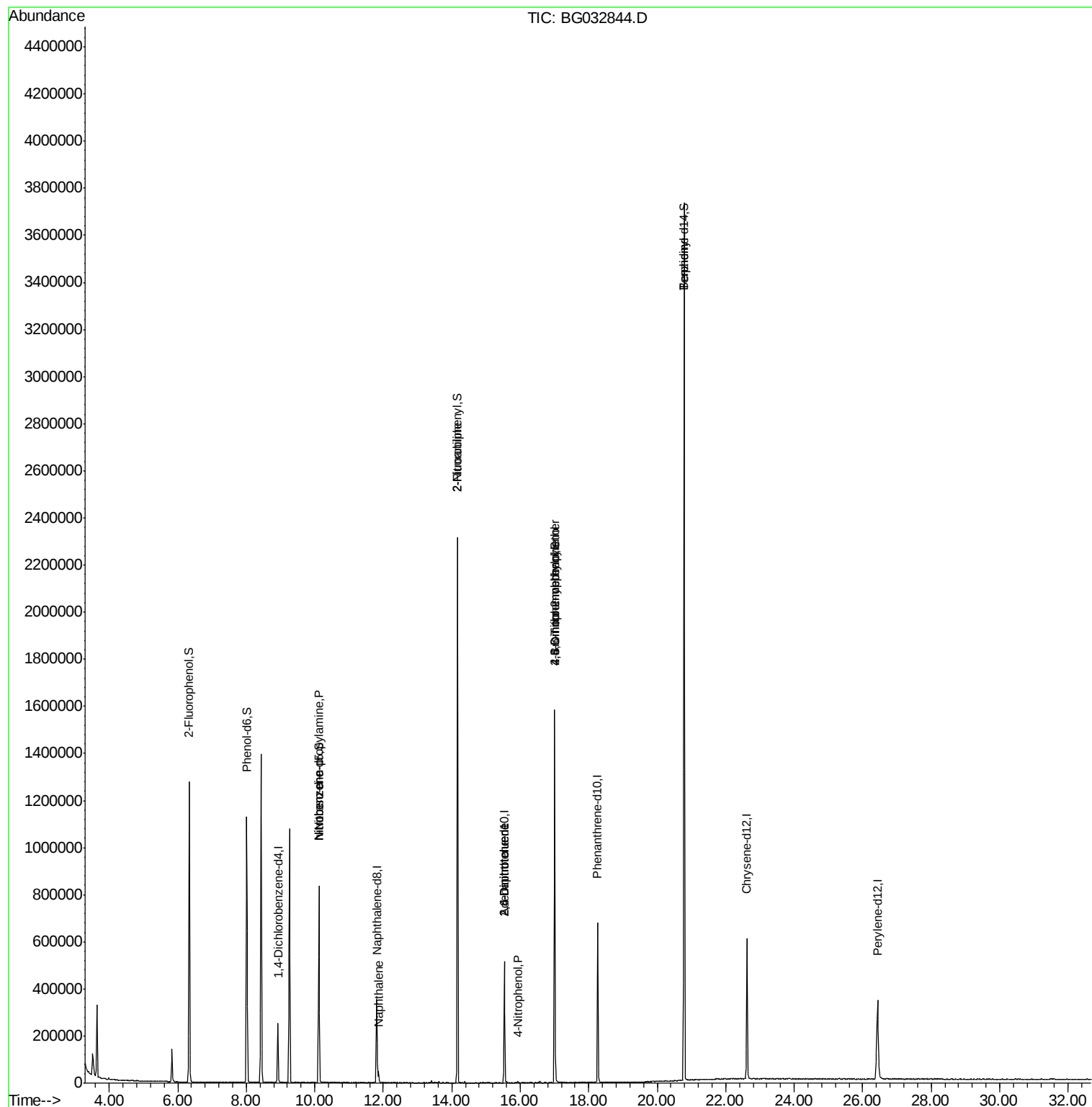
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	77207	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	325183	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	179535	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	410763	20.00	ng	0.00
75) Chrysene-d12	22.62	240	388968	20.00	ng	-0.01
86) Perylene-d12	26.43	264	403924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	623721	129.25	ng	0.00
7) Phenol-d6	8.02	99	727154	108.10	ng	0.00
23) Nitrobenzene-d5	10.12	82	525357	108.95	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	281789	149.27	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1183390	95.06	ng	0.00
78) Terphenyl-d14	20.78	244	1661710	95.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	68367	14.40	ng	# 81
24) Nitrobenzene	10.11	77	1529	6.64	ng	# 46
31) Naphthalene	11.86	128	41734	2.46	ng	# 98
47) 2-Nitroaniline	14.16	65	2185	10.42	ng	# 10
50) 2,6-Dinitrotoluene	15.54	165	23267	16.41	ng	# 20
55) 4-Nitrophenol	15.92	139	1449	7.61	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23267	14.61	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	745	5.72	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20200	4.65	ng	# 1
76) Benzidine	20.78	184	28569	2.15	ng	# 92

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

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Response via : Initial Calibration



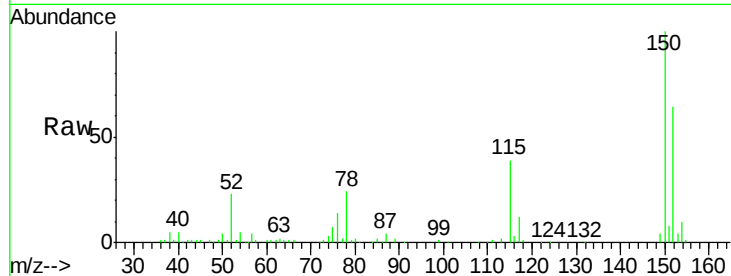


#1

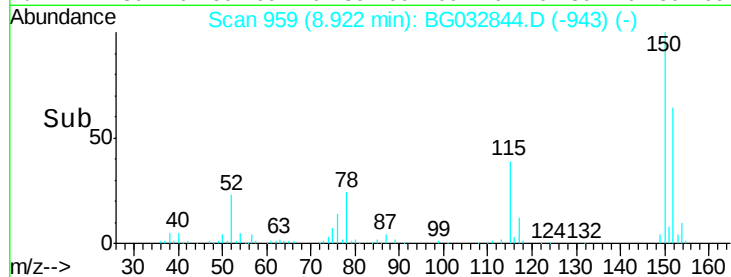
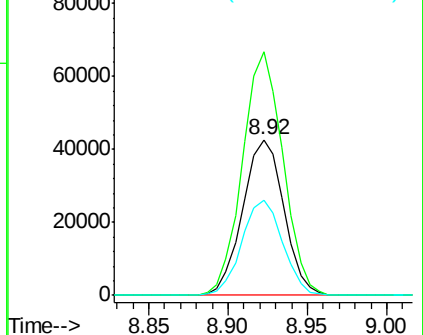
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 77207
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 61.2 53.0 79.4



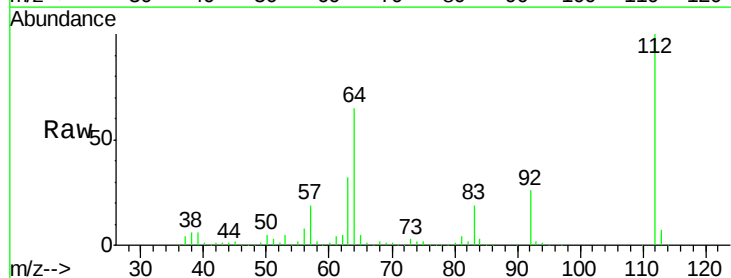
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



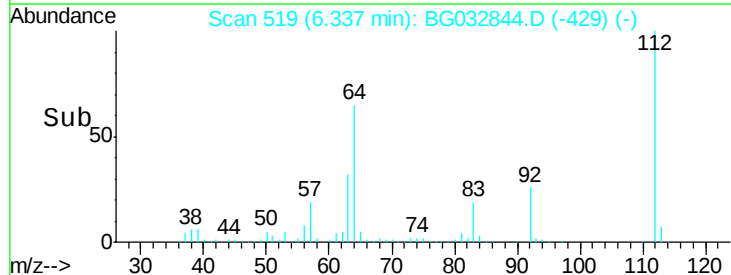
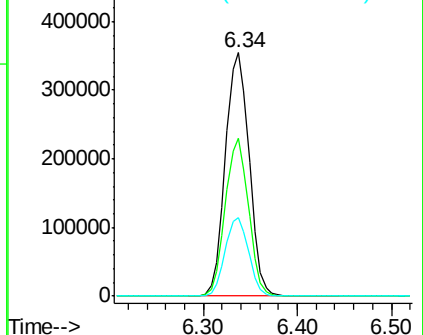
#5

2-Fluorophenol
Concen: 129.25 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Tgt Ion:112 Resp: 623721
Ion Ratio Lower Upper
112 100
64 64.7 56.3 84.5
63 32.4 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: 108.10 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Instrument :

BNA_F

ClientSampled :

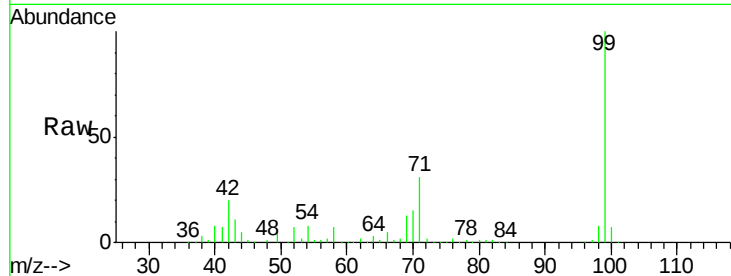
Tot Ion: 99 Resp: 727154

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

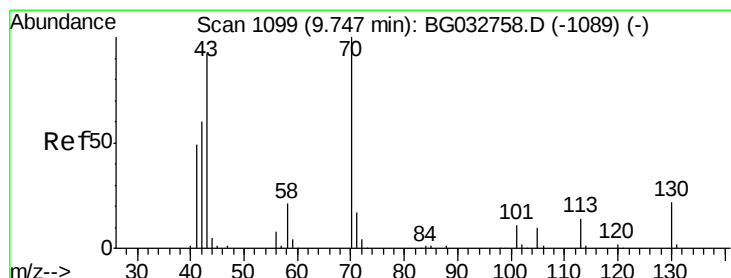
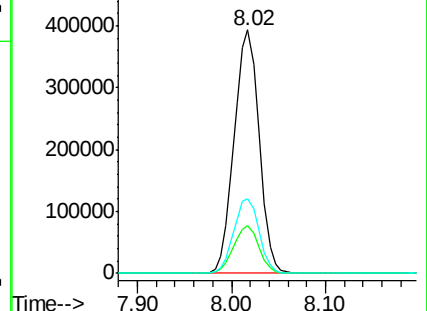
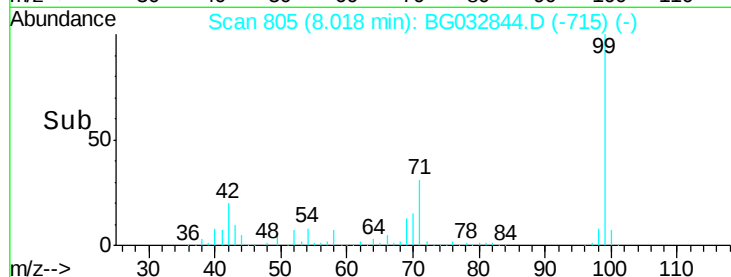
71 30.8 26.1 39.1



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: 14.40 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Tgt Ion: 70 Resp: 68367

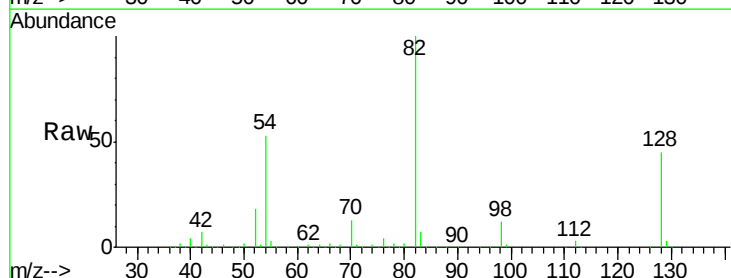
Ion Ratio Lower Upper

70 100

42 50.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

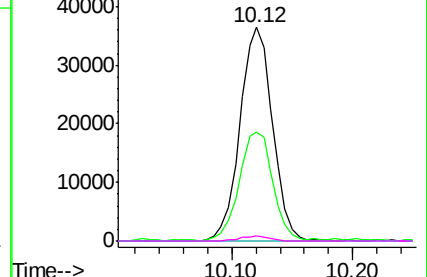
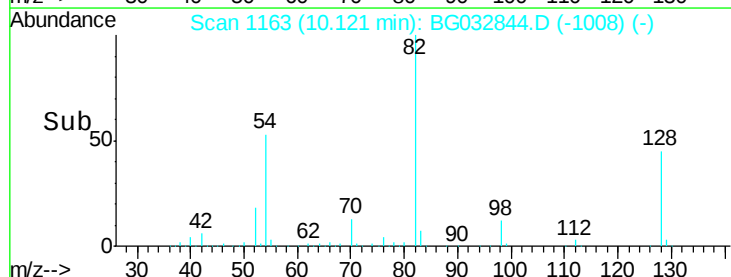


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

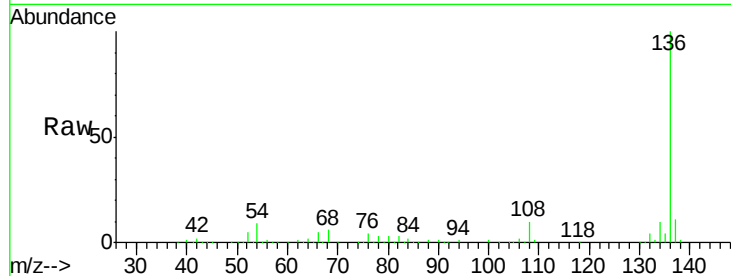




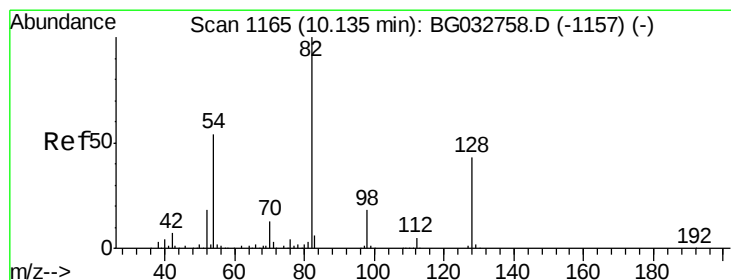
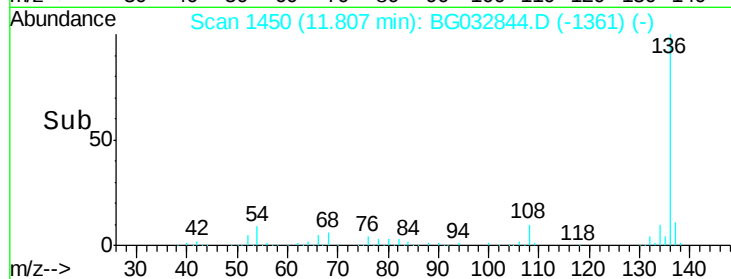
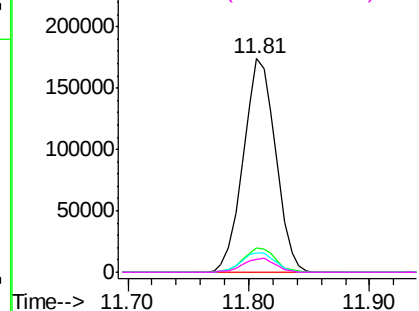
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	325183
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	9.0	10.3 15.5#
68	6.2	4.5 6.7

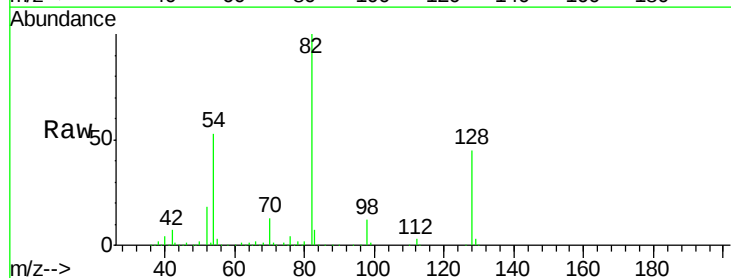


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

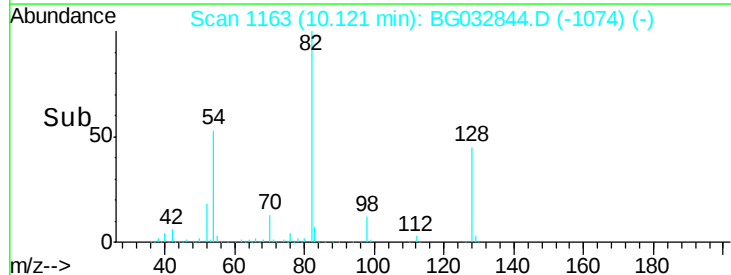
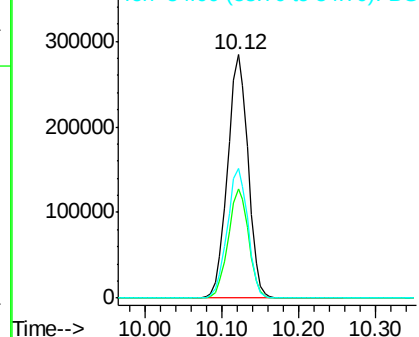


#23
Nitrobenzene-d5
Concen: 108.95 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Tgt Ion: 82	Resp:	525357
Ion Ratio	Lower	Upper
82	100	
128	44.7	29.7 44.5#
54	53.3	43.1 64.7



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

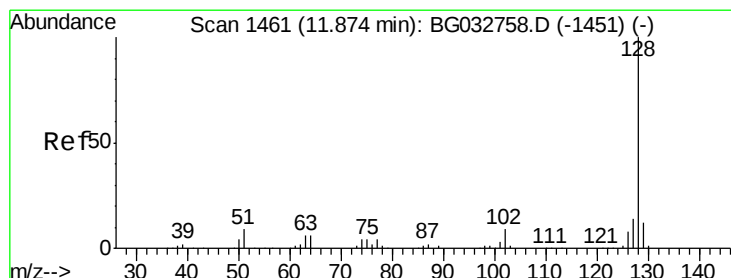
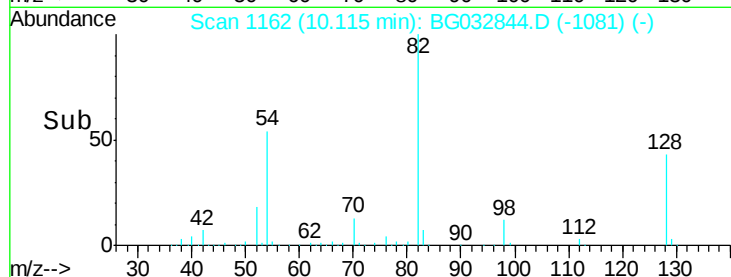
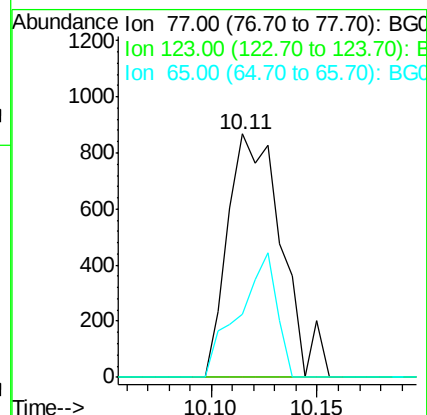
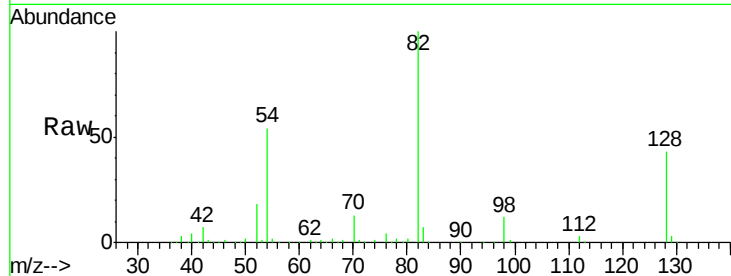




#24
Nitrobenzene
Concen: 6.64 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

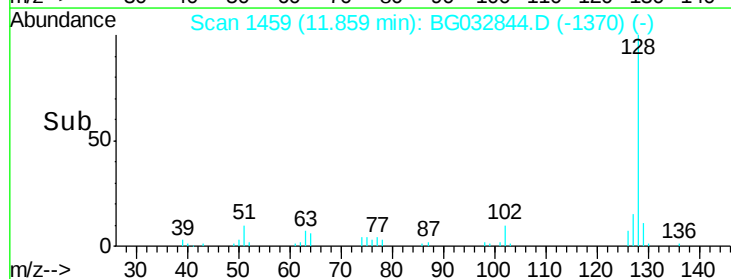
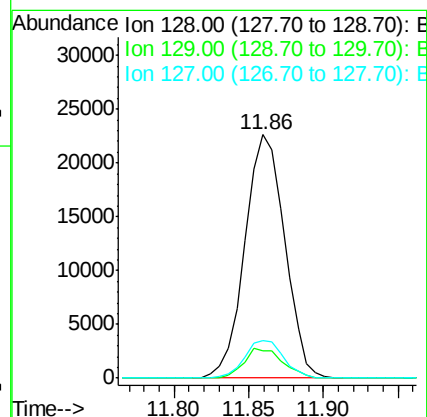
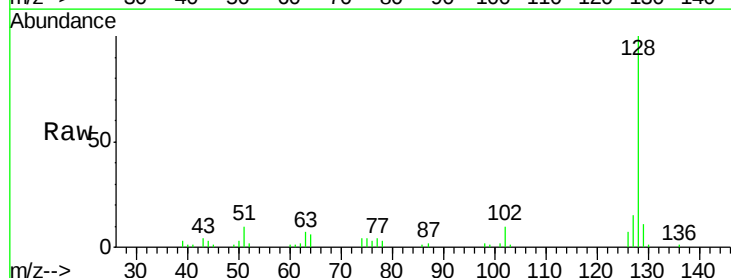
Instrument :
BNA_F
ClientSampled :

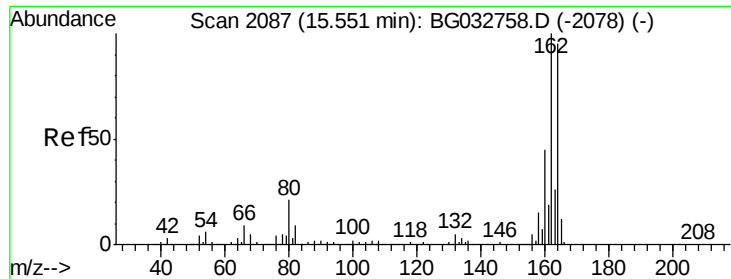
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	26.0	13.0	19.6#



#31
Naphthalene
Concen: 2.46 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	15.4	11.6	17.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Instrument :

BNA_F

ClientSampleId :

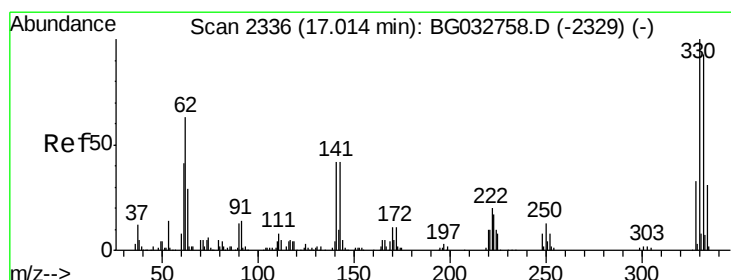
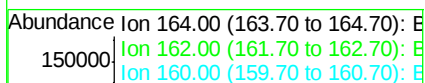
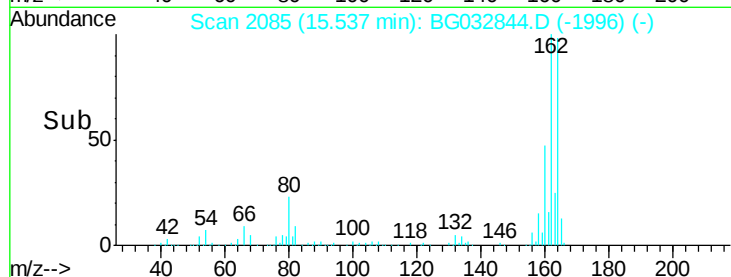
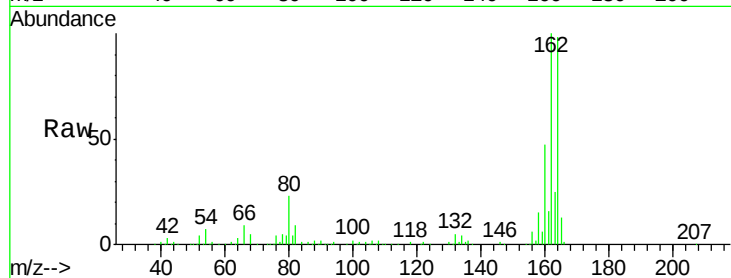
Tot Ion:164 Resp: 179535

Ion Ratio Lower Upper

164 100

162 102.5 78.8 118.2

160 47.9 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 149.27 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

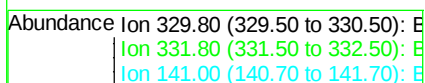
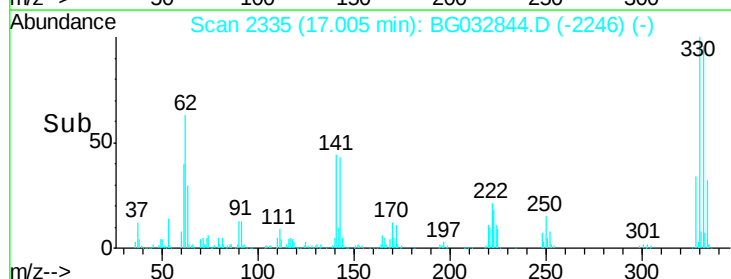
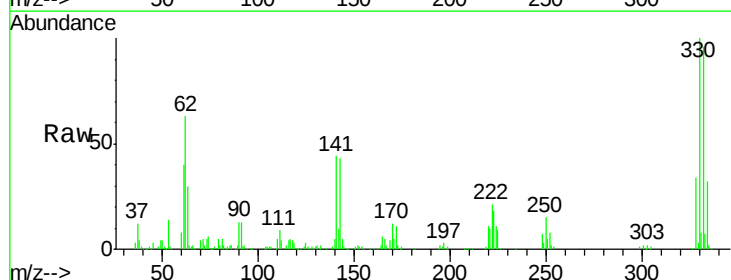
Tgt Ion:330 Resp: 281789

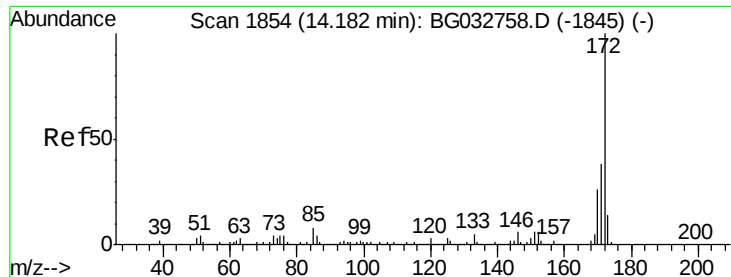
Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

141 43.7 25.2 37.8#



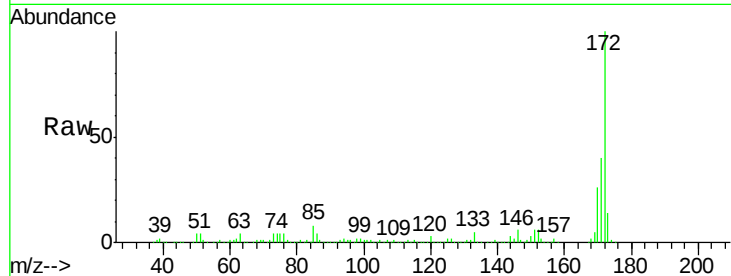


#44
 2-Fluorobiphenyl
 Concen: 95.06 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032844.D
 Acq: 27 Feb 2018 5:41

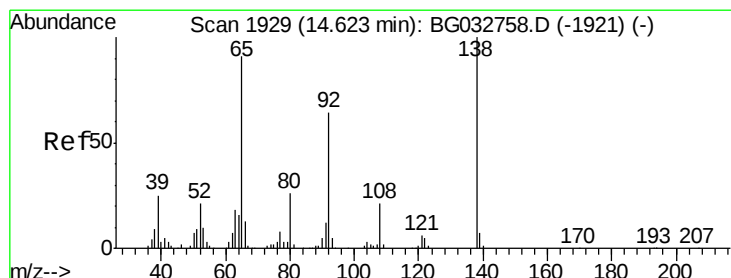
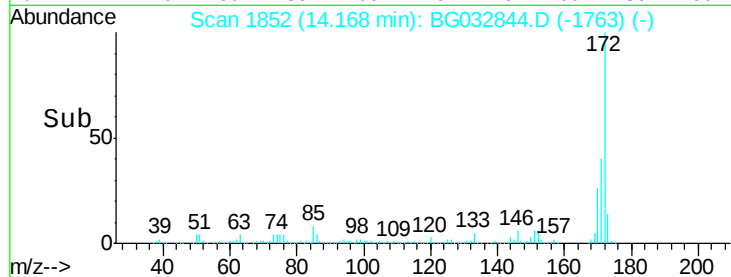
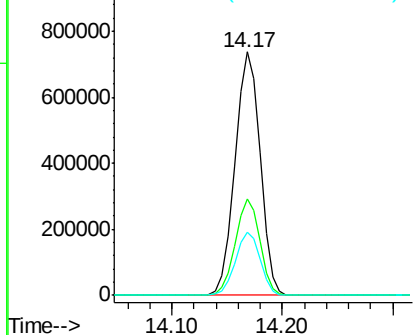
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1183390

Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.0	45.0
170	25.9	19.5	29.3



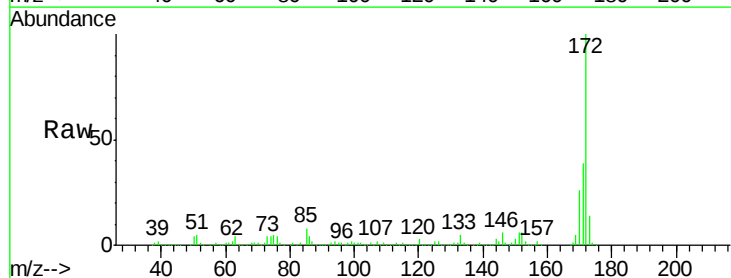
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



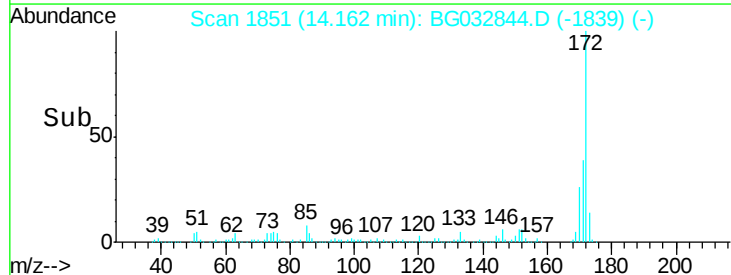
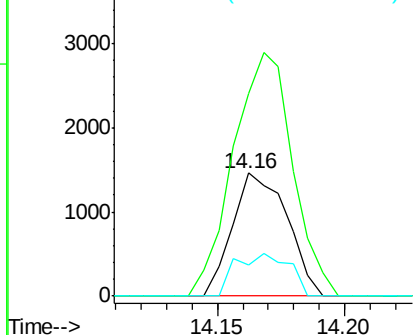
#47
 2-Nitroaniline
 Concen: 10.42 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.46 min
 Lab File: BG032844.D
 Acq: 27 Feb 2018 5:41

Tgt Ion: 65 Resp: 2185

Ion	Ratio	Lower	Upper
65	100		
92	164.7	54.6	82.0#
138	25.7	72.9	109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E

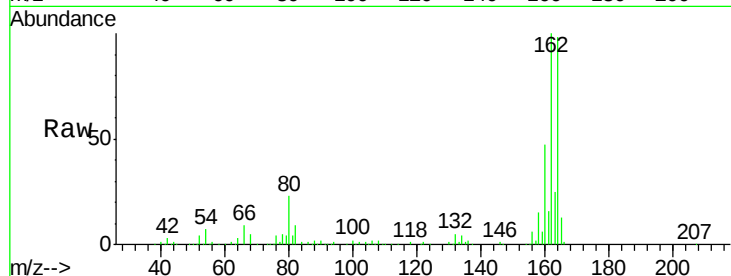




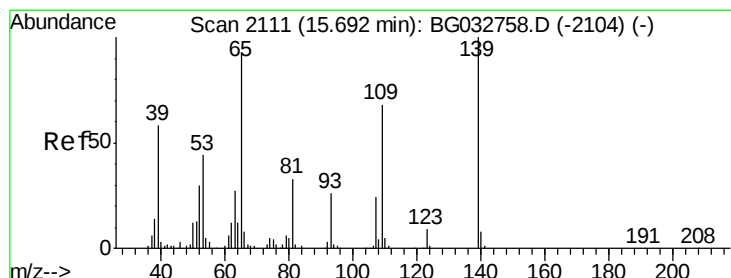
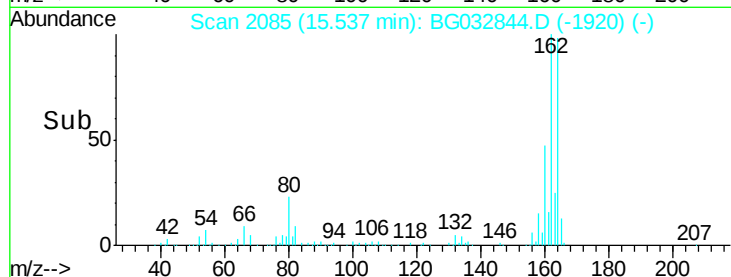
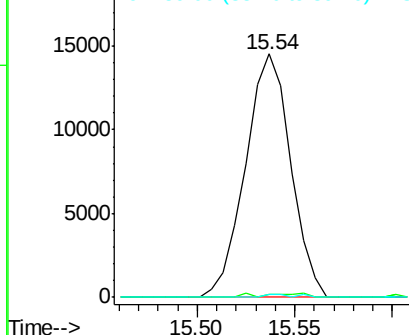
#50
2,6-Dinitrotoluene
Concen: 16.41 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23267
Ion Ratio Lower Upper
165 100
63 1.2 52.7 79.1#
89 1.5 49.2 73.8#

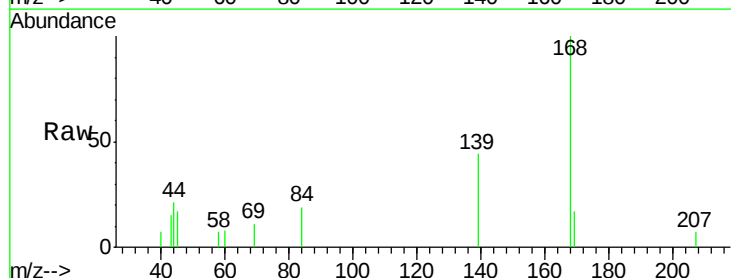


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

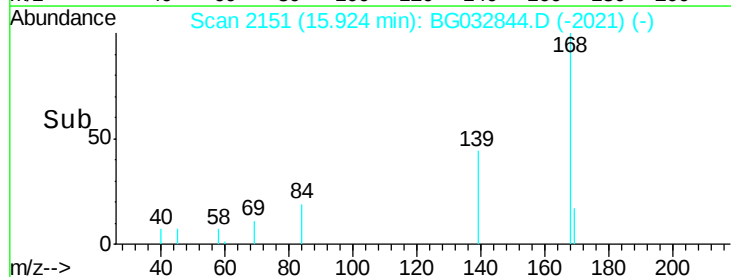
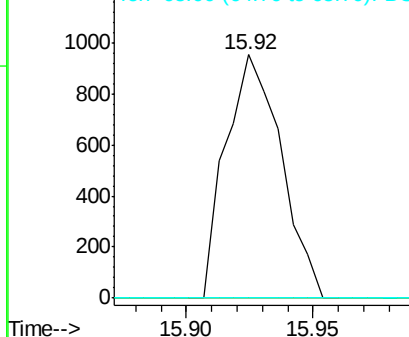


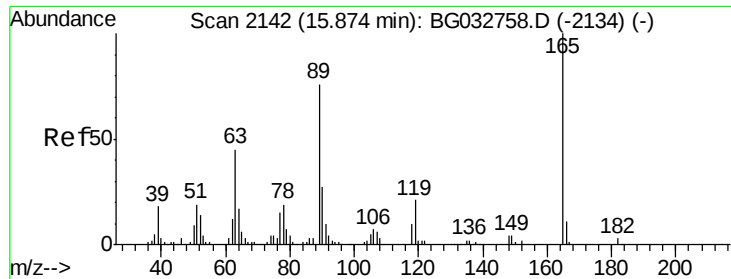
#55
4-Nitrophenol
Concen: 7.61 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032844.D
Acq: 27 Feb 2018 5:41

Tgt Ion:139 Resp: 1449
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): BGO

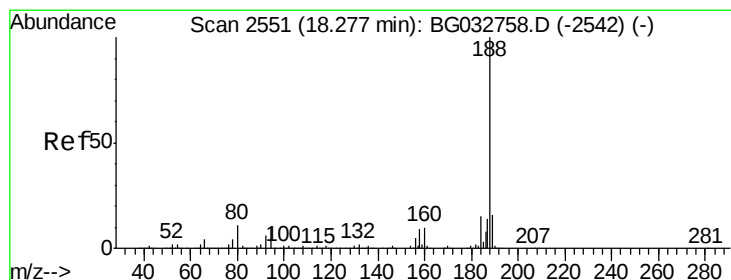
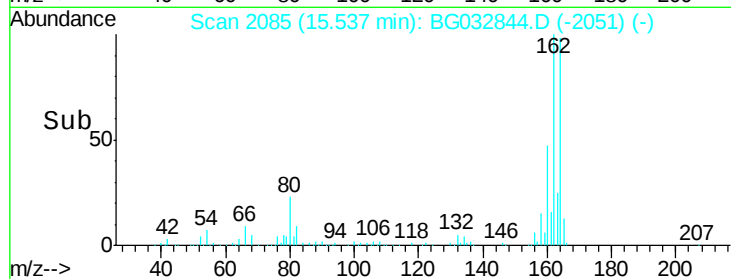
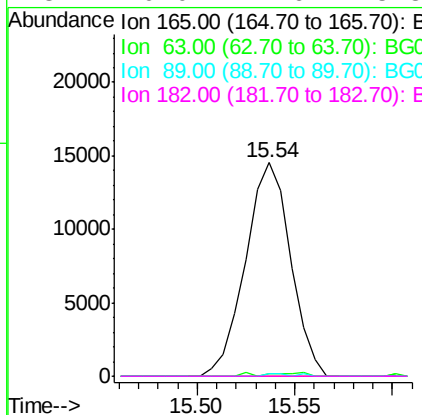
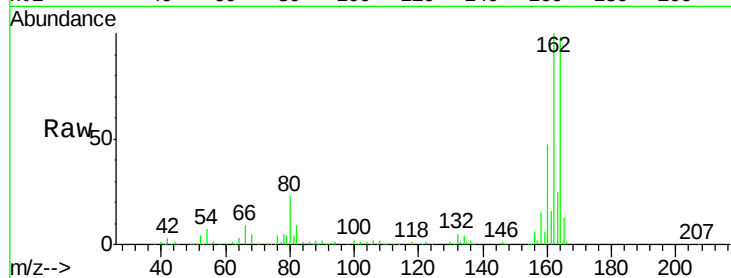




#56
 2,4-Dinitrotoluene
 Concen: 14.61 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032844.D
 Acq: 27 Feb 2018 5:41

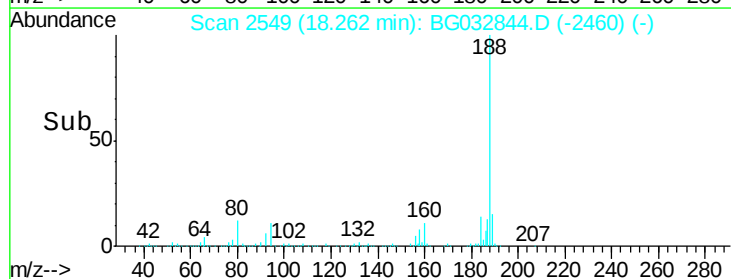
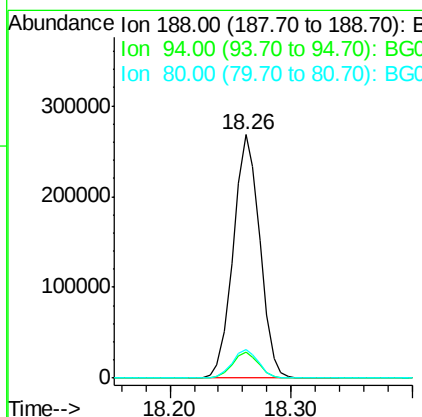
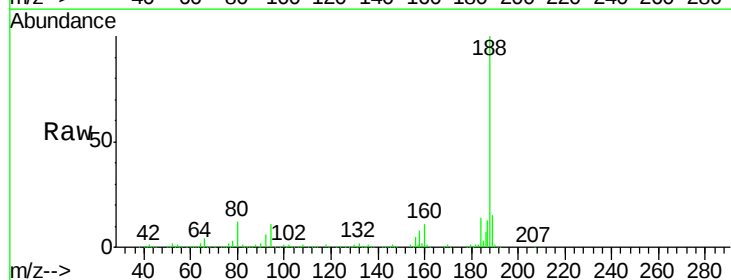
Instrument :
 BNA_F
 ClientSampleId :

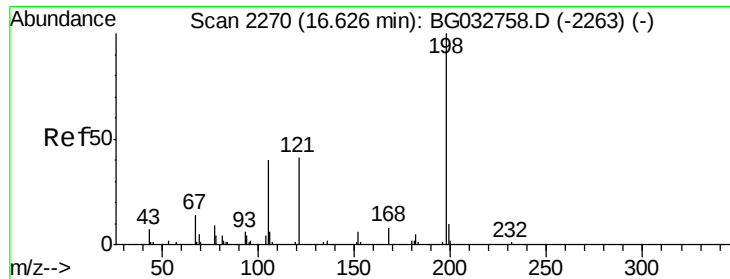
Tot Ion:165	Resp: 23267
Ion Ratio	Lower Upper
165 100	
63 1.2	42.0 63.0#
89 1.5	66.9 100.3#
182 0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032844.D
 Acq: 27 Feb 2018 5:41

Tgt	Ion:188	Resp:	410763
Ion	Ratio	Lower	Upper
188	100		
94	10.7	6.9	10.3#
80	11.5	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.72 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.39 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Instrument :

BNA_F

ClientSampleId :

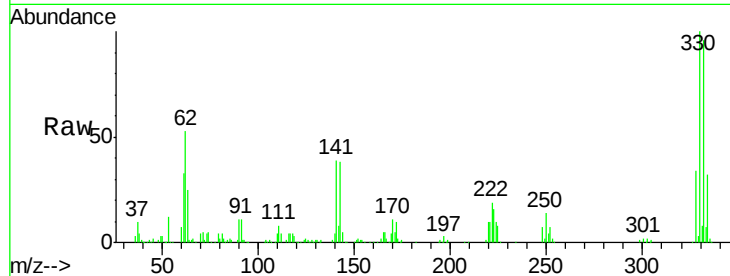
Tot Ion:198 Resp: 745

Ion Ratio Lower Upper

198 100

51 122.5 30.6 70.6#

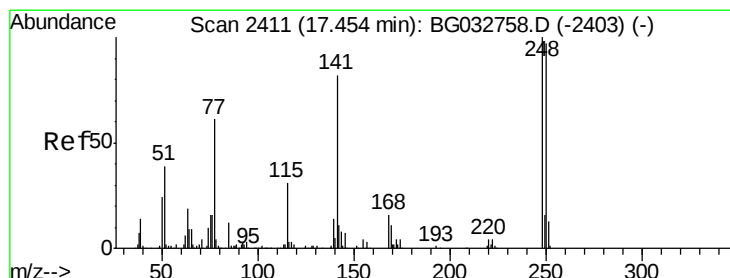
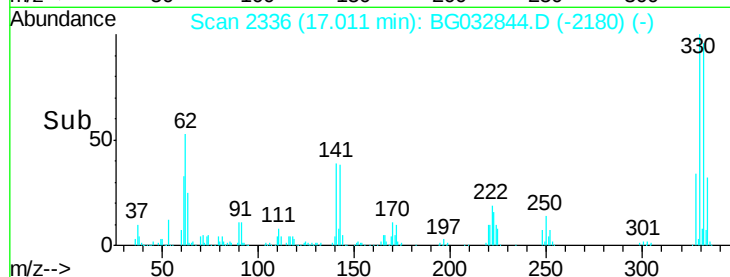
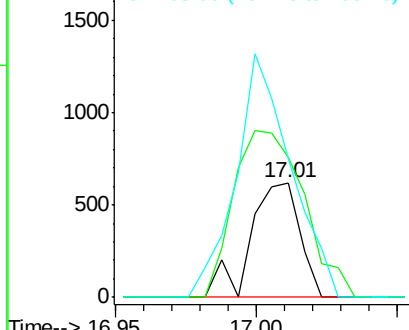
105 121.6 23.8 63.8#



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: 4.65 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

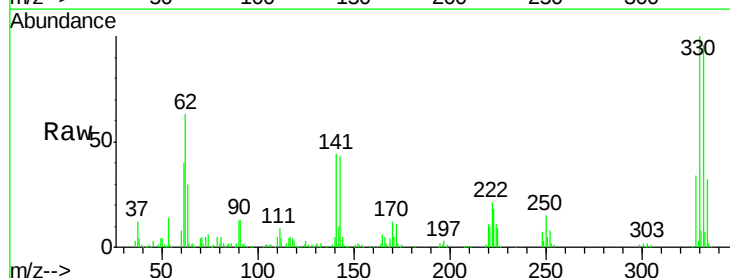
Tgt Ion:248 Resp: 20200

Ion Ratio Lower Upper

248 100

250 198.0 77.1 115.7#

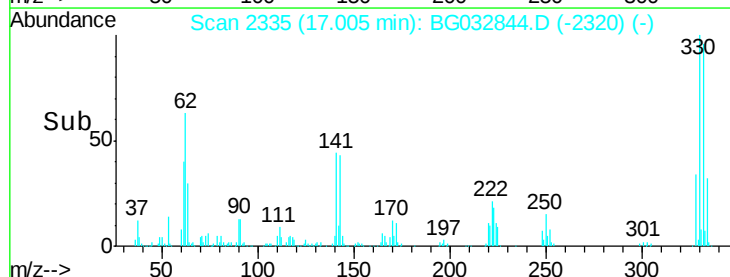
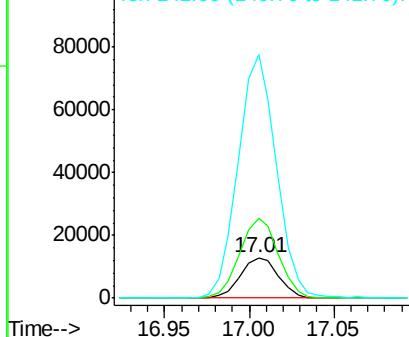
141 602.9 50.8 76.2#

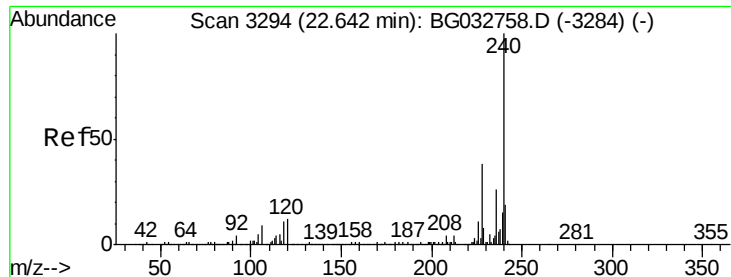


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Instrument :

BNA_F

ClientSampleId :

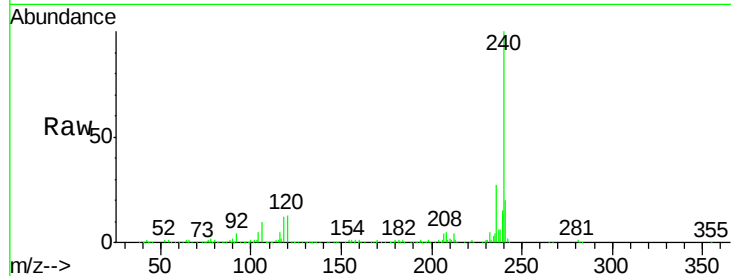
Tot Ion:240 Resp: 388968

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

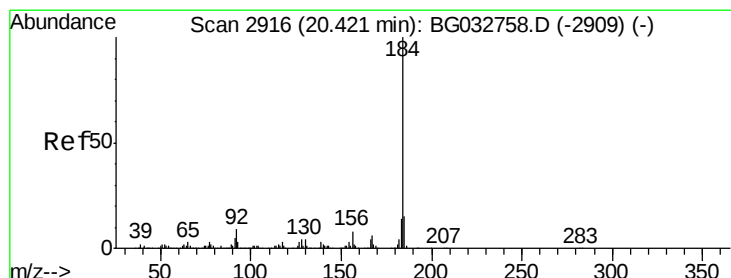
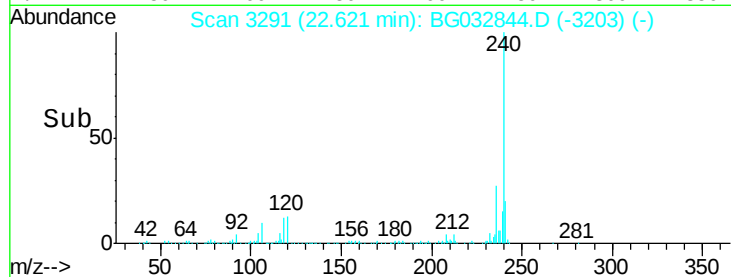
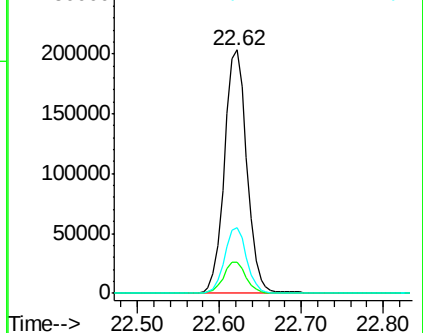
236 26.9 20.9 31.3



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: 2.15 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

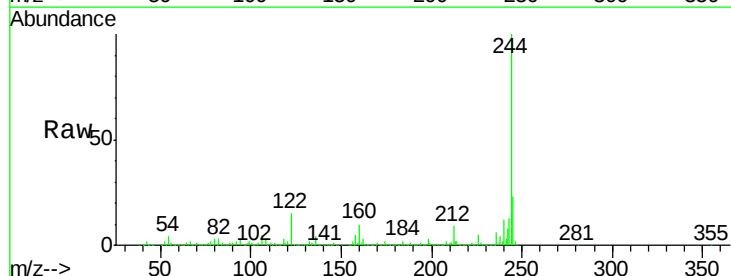
Tgt Ion:184 Resp: 28569

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

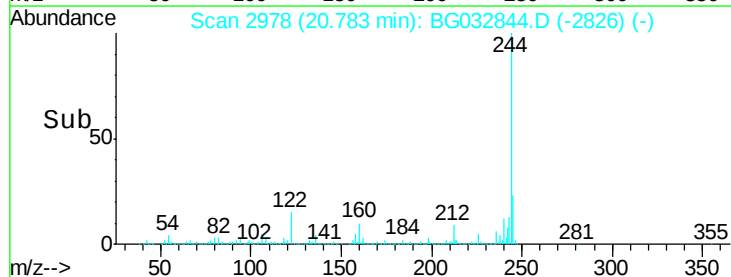
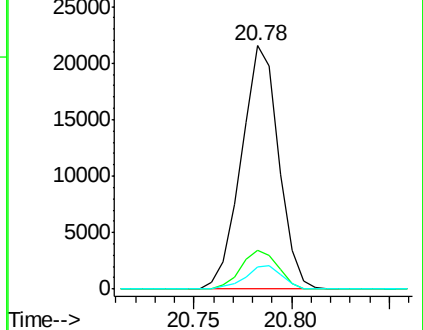
183 8.9 10.6 16.0#

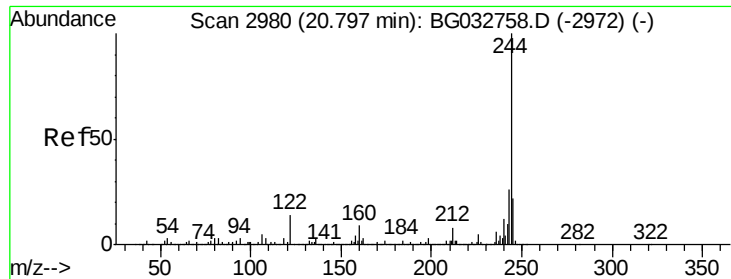


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.98 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

Instrument :

BNA_F

ClientSampleId :

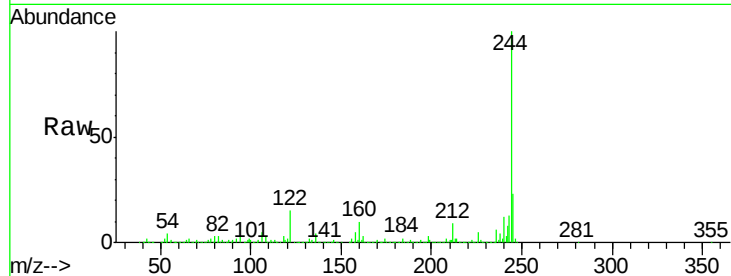
Tot Ion:244 Resp: 1661710

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

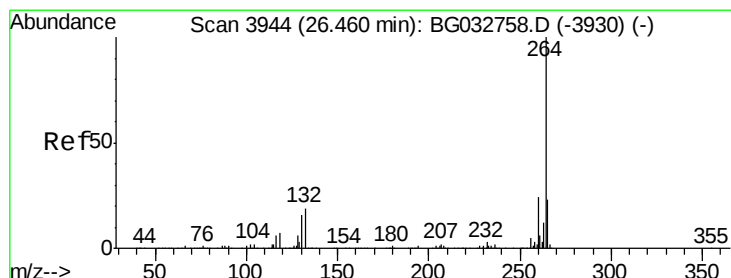
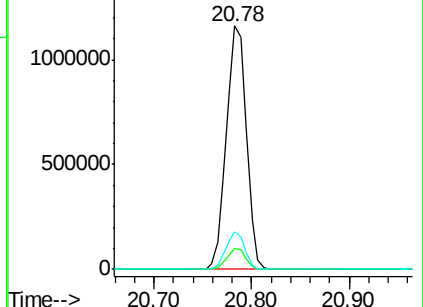
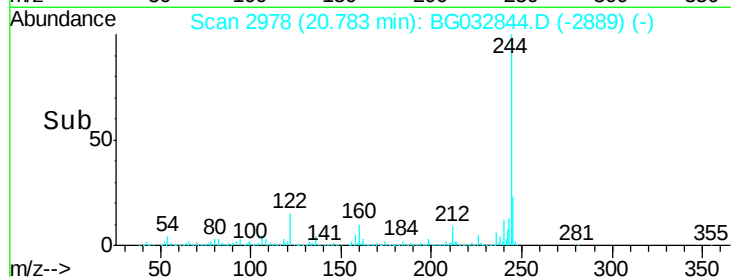
122 15.3 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3940

Delta R.T. -0.00 min

Lab File: BG032844.D

Acq: 27 Feb 2018 5:41

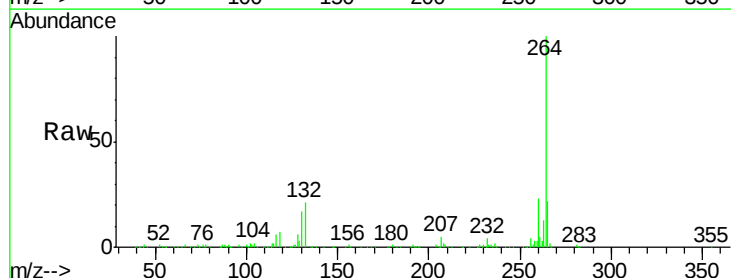
Tgt Ion:264 Resp: 403924

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

