

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032940.D
 Acq On : 2 Mar 2018 6:48
 Operator : SJ/JU
 Sample : J1738-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:56:46 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	67214	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	289141	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	159312	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	356245	20.00	ng	0.00
75) Chrysene-d12	22.62	240	317718	20.00	ng	0.00
86) Perylene-d12	26.44	264	286697	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	593707	141.32	ng	0.00
7) Phenol-d6	8.02	99	710568	121.34	ng	0.00
23) Nitrobenzene-d5	10.12	82	518657	119.88	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	227170	135.61	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1122623	101.63	ng	0.00
78) Terphenyl-d14	20.78	244	1506774	106.55	ng	0.00

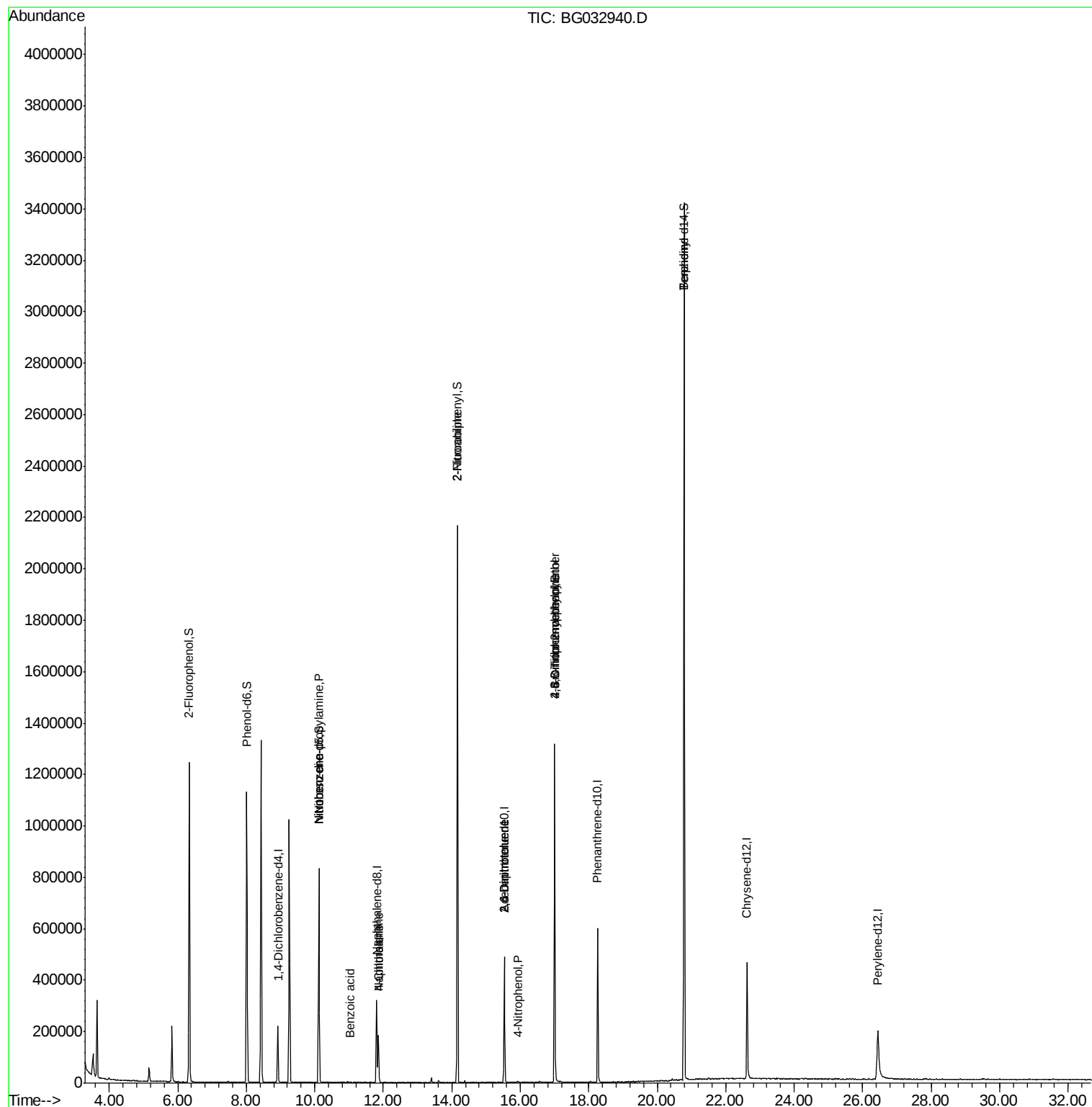
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	67508	16.329	ng	# 82
24) Nitrobenzene	10.13	77	1575	6.677	ng	# 43
31) Naphthalene	11.86	128	161478	10.688	ng	# 98
32) Benzoic acid	11.03	122	244	5.923	ng	# 81
33) 4-Chloroaniline	11.85	127	22653	3.353	ng	# 33
47) 2-Nitroaniline	14.17	65	1864	10.401	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	20766	16.454	ng	# 20
55) 4-Nitrophenol	15.92	139	1557	7.721	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	20766	14.652	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	883	6.000	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16675	4.427	ng	# 1
76) Benzidine	20.78	184	26488	2.446	ng	# 91

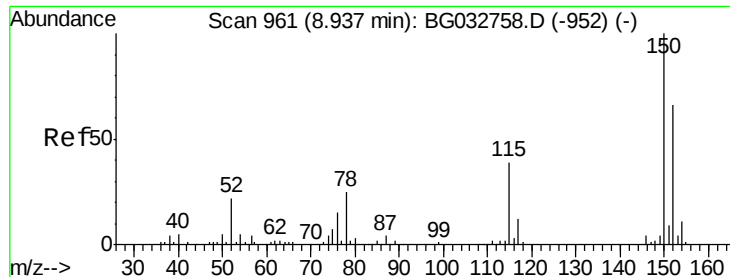
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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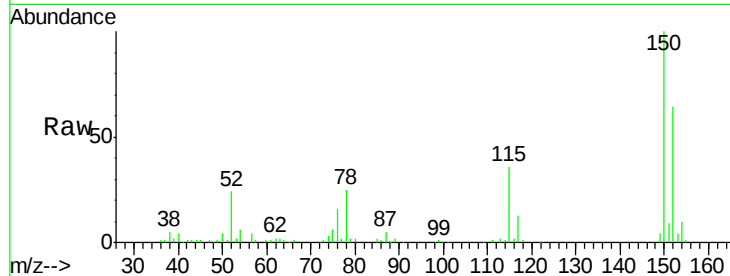


#1

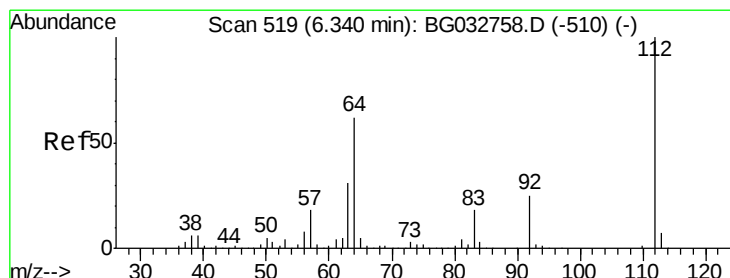
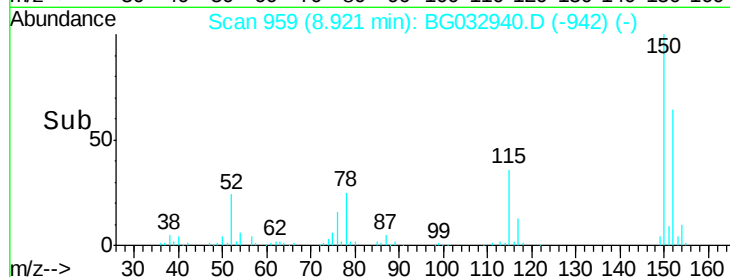
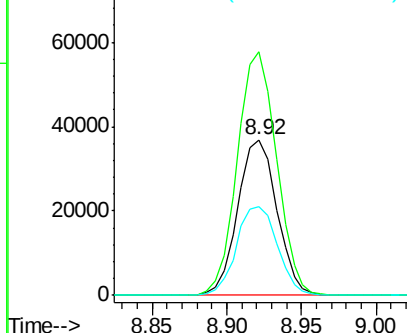
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 67214
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 57.1 53.0 79.4



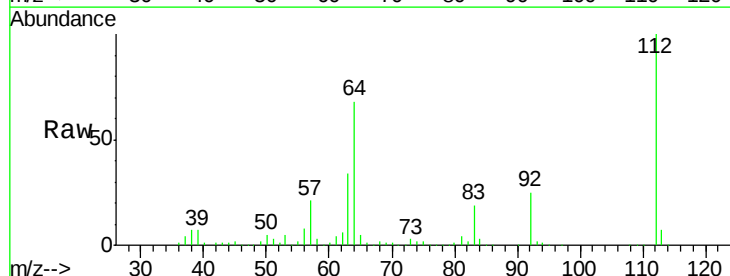
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



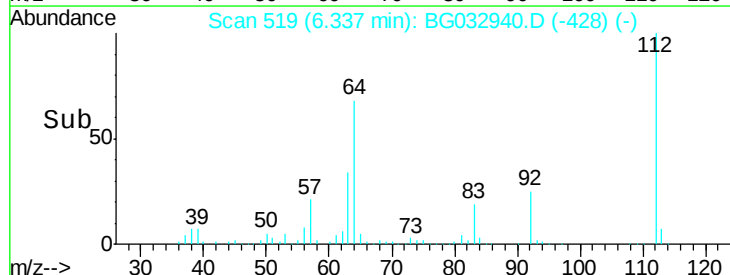
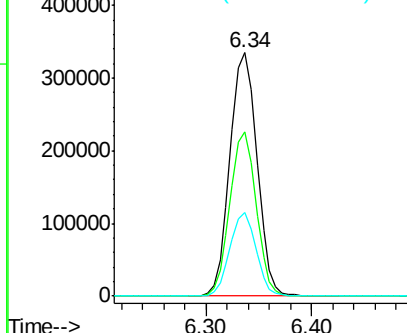
#5

2-Fluorophenol
Concen: 141.317 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Tgt Ion:112 Resp: 593707
Ion Ratio Lower Upper
112 100
64 67.6 56.3 84.5
63 34.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 121.341 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampled :

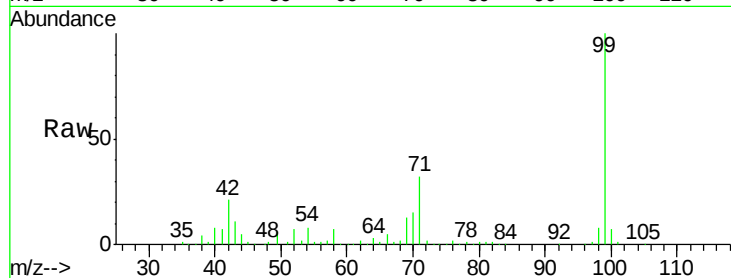
Tot Ion: 99 Resp: 710568

Ion Ratio Lower Upper

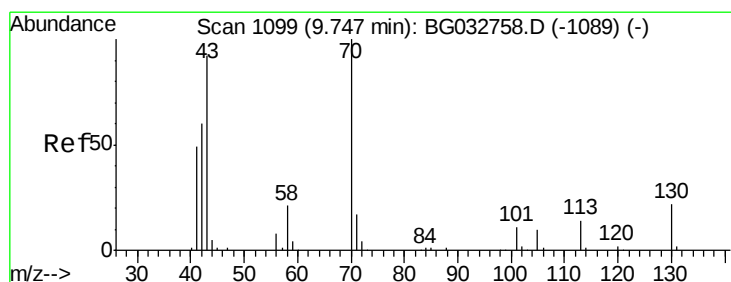
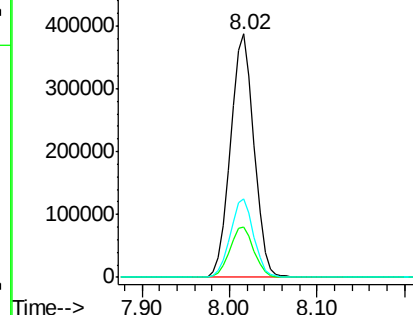
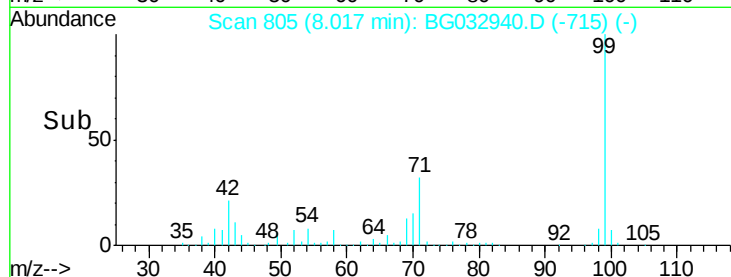
99 100

42 20.7 14.1 21.1

71 32.0 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: 16.329 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Tgt Ion: 70 Resp: 67508

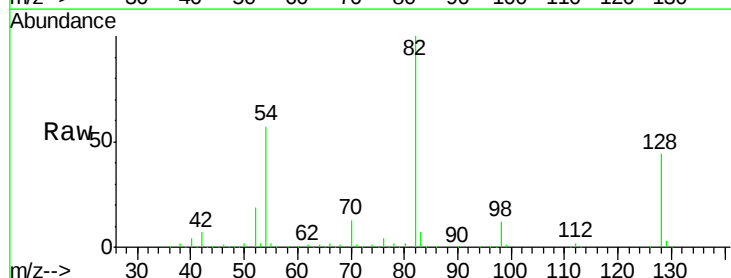
Ion Ratio Lower Upper

70 100

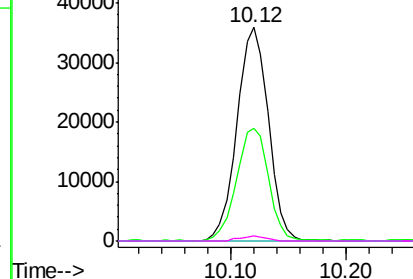
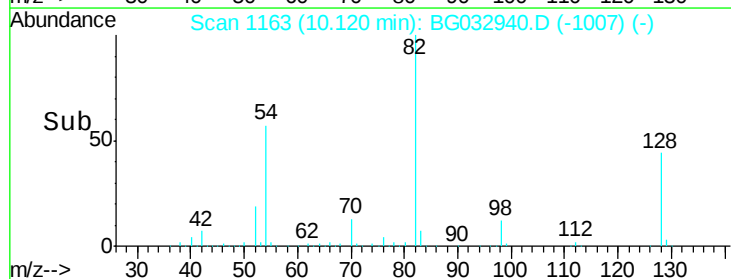
42 52.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.2 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

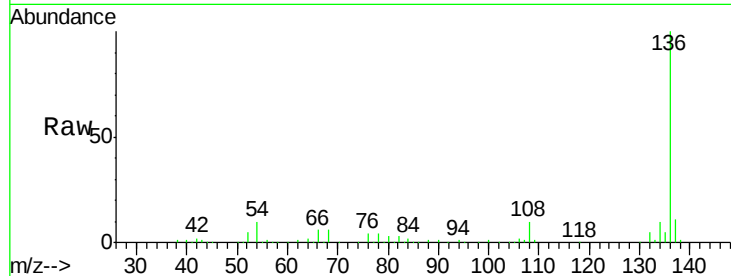




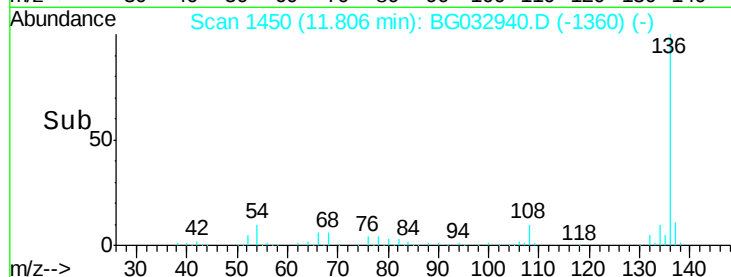
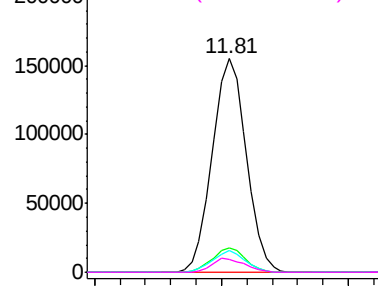
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	289141
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	10.4	10.3	15.5
68	6.0	4.5	6.7

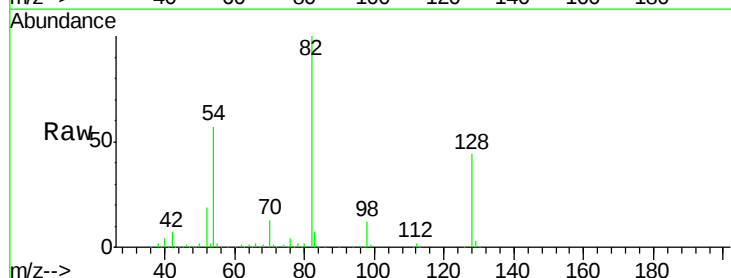


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

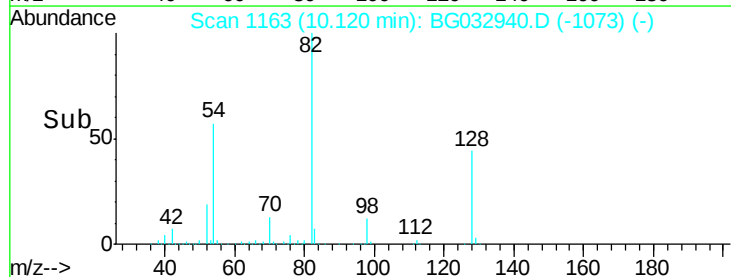
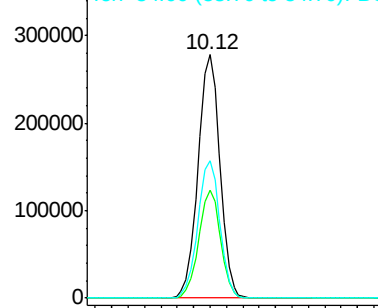


#23
Nitrobenzene-d5
Concen: 119.876 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Tgt Ion:	82	Resp:	518657
Ion	Ratio	Lower	Upper
82	100		
128	44.3	29.7	44.5
54	56.6	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

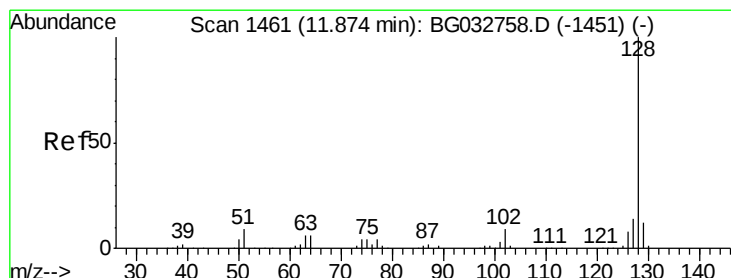
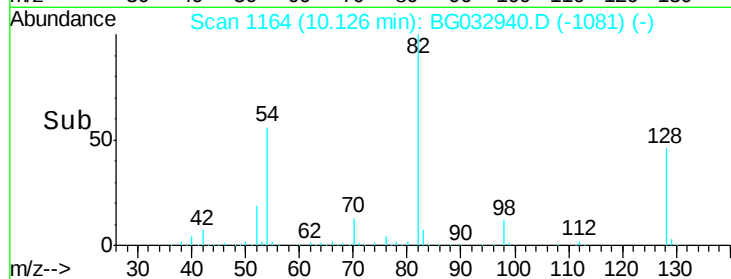
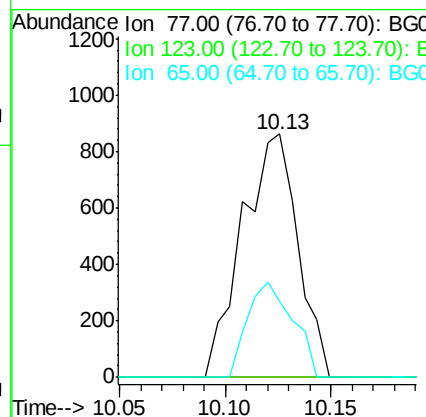
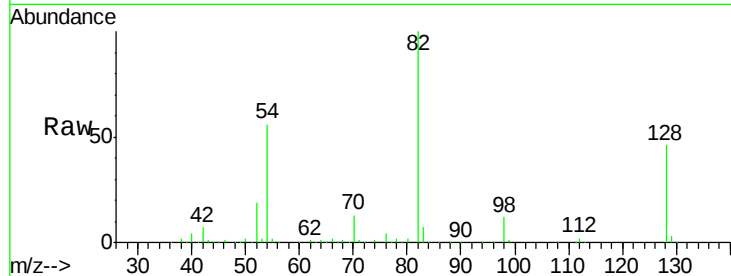




#24
 Nitrobenzene
 Concen: 6.677 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032940.D
 Acq: 2 Mar 2018 6:48

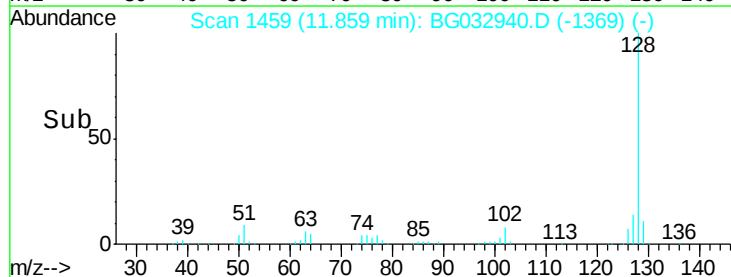
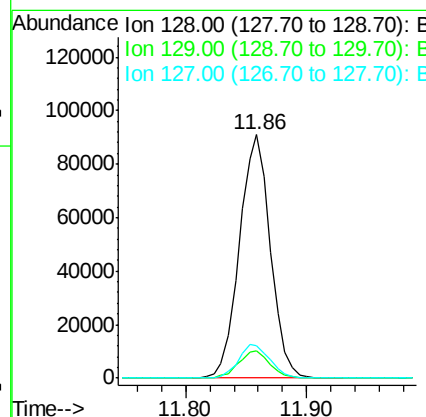
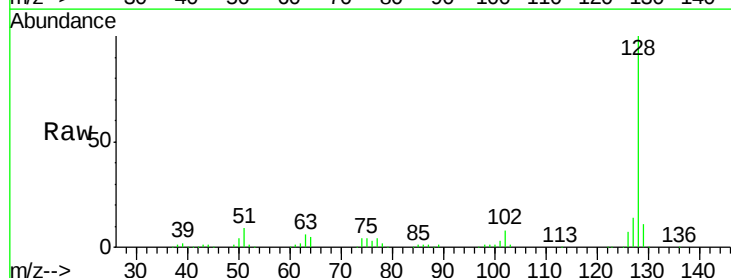
Instrument :
 BNA_G
 ClientSampled :

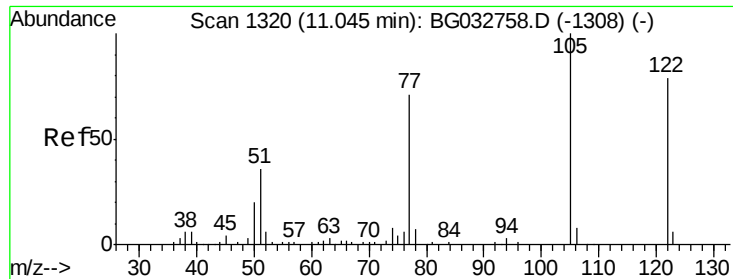
Tot Ion: 77 Resp: 1575
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 31.2 13.0 19.6#



#31
 Naphthalene
 Concen: 10.688 ng
 RT: 11.86 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: BG032940.D
 Acq: 2 Mar 2018 6:48

Tgt Ion: 128 Resp: 161478
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.6 12.8
 127 13.5 11.6 17.4





#32

Benzoic acid

Concen: 5.923 ng

RT: 11.03 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG032940.D

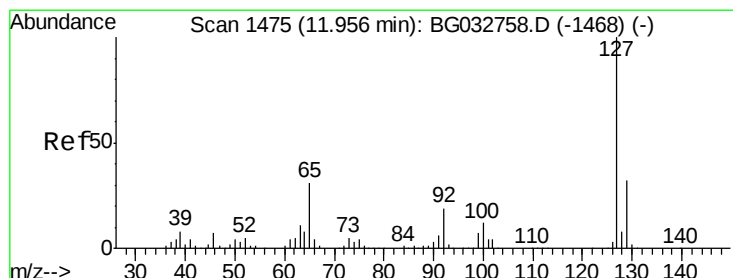
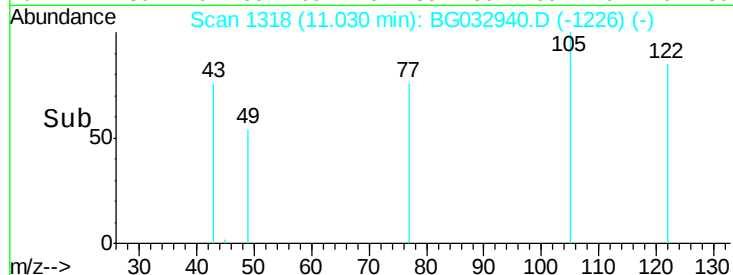
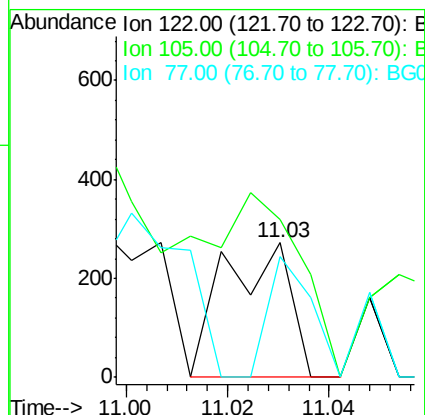
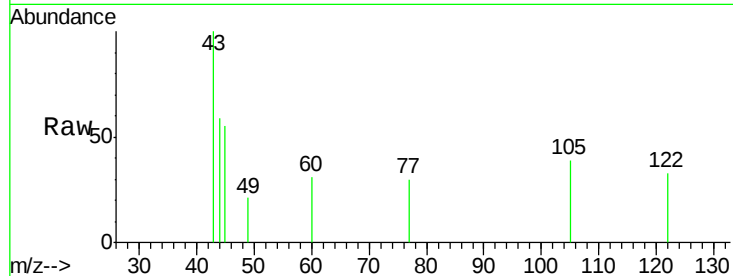
Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	244
Ion	Ratio	Lower	Upper
122	100		
105	117.6	123.5	163.5#
77	89.3	85.7	125.7



#33

4-Chloroaniline

Concen: 3.353 ng

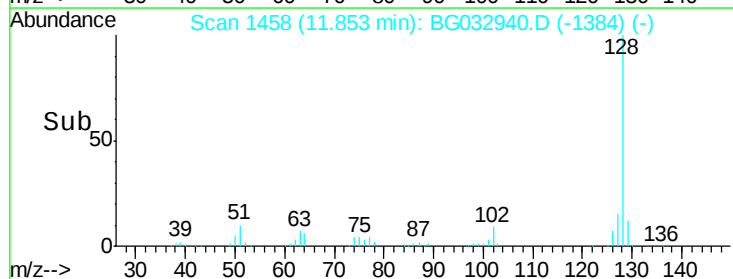
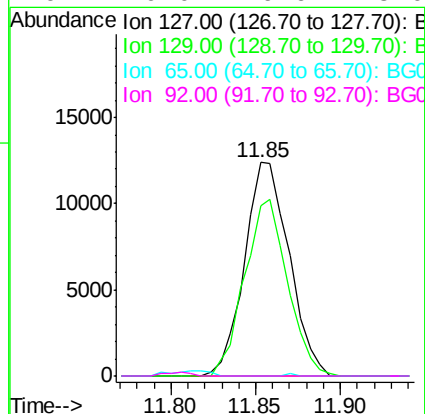
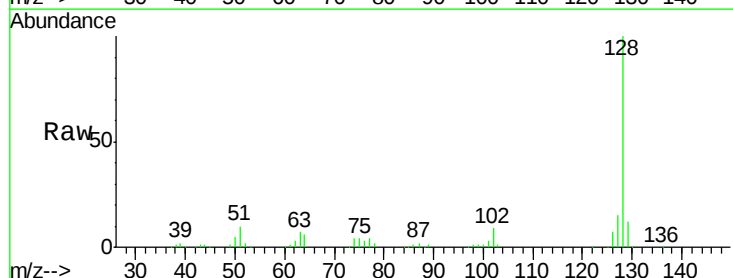
RT: 11.85 min Scan# 1458

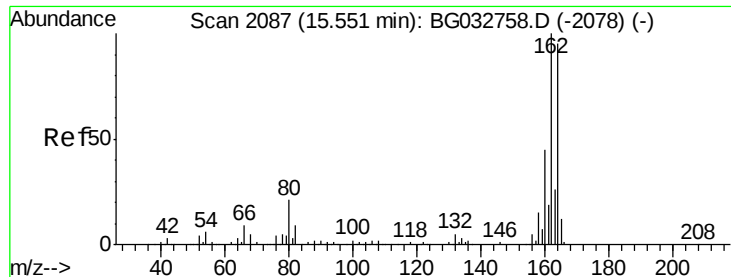
Delta R.T. -0.09 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Tgt Ion:	127	Resp:	22653
Ion	Ratio	Lower	Upper
127	100		
129	80.0	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampled :

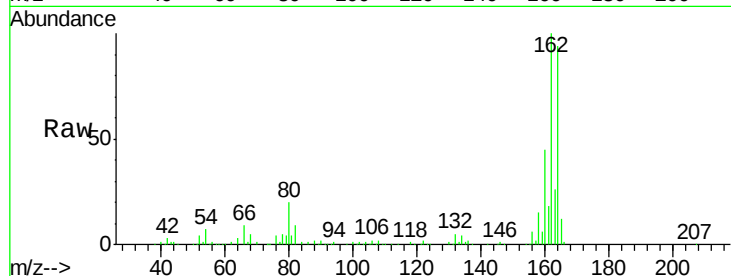
Tot Ion:164 Resp: 159312

Ion Ratio Lower Upper

164 100

162 106.1 78.8 118.2

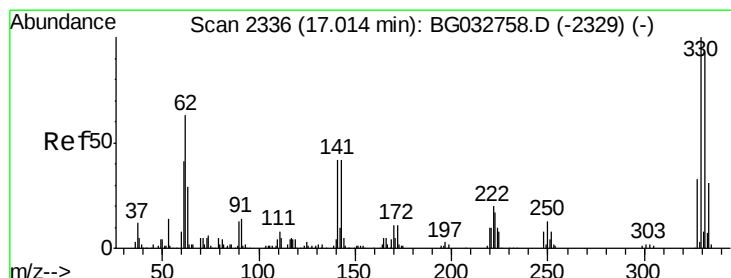
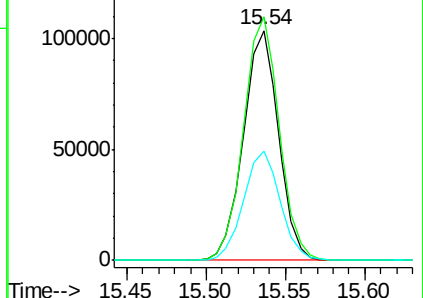
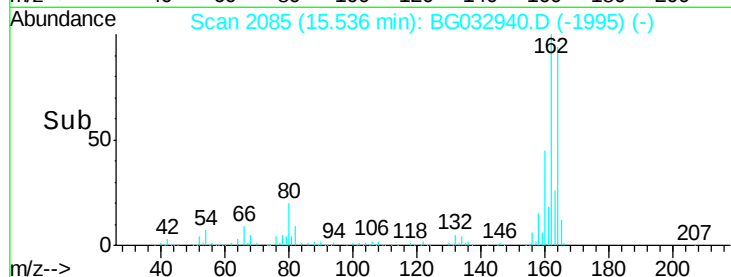
160 47.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.615 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

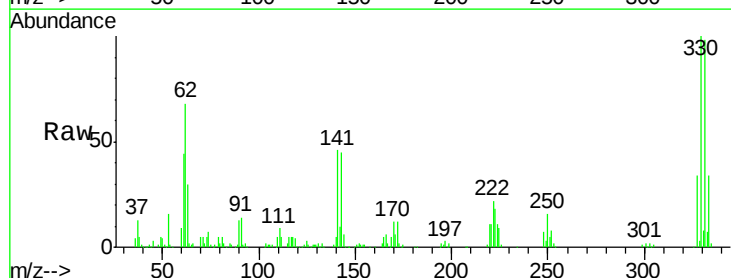
Tgt Ion:330 Resp: 227170

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

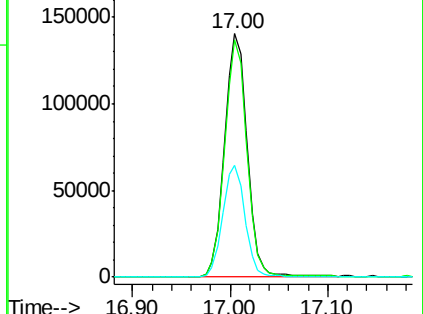
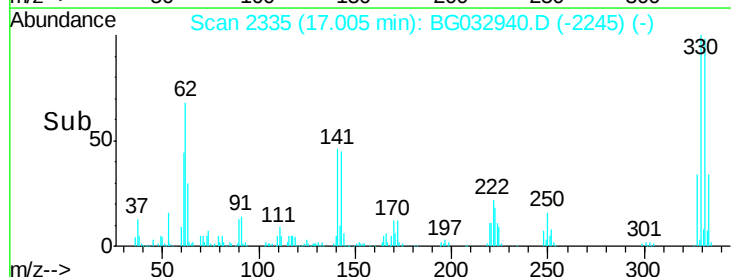
141 45.1 25.2 37.8#

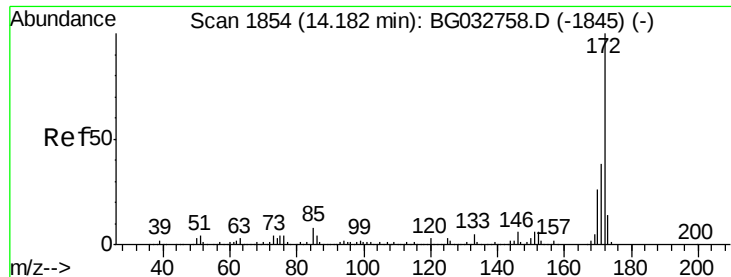


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

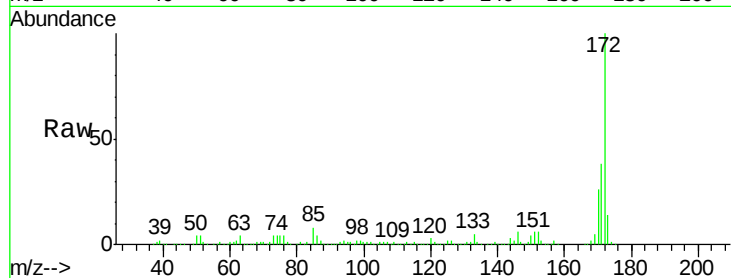




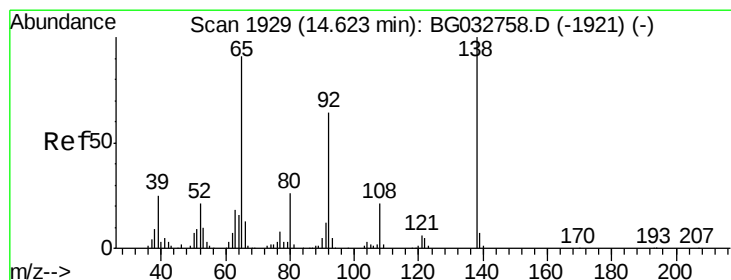
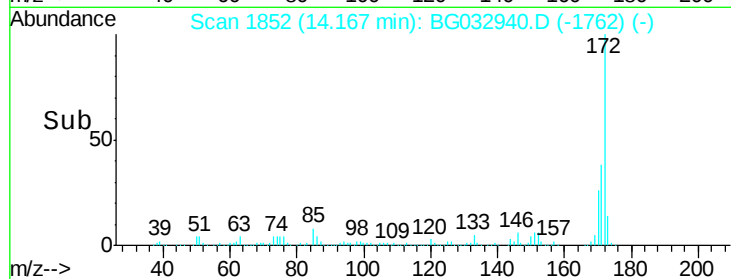
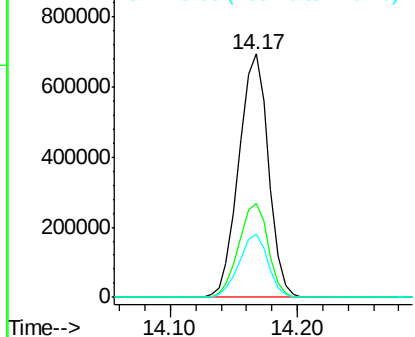
#44
2-Fluorobiphenyl
Concen: 101.631 ng
RT: 14.17 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1122623
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 25.7 19.5 29.3

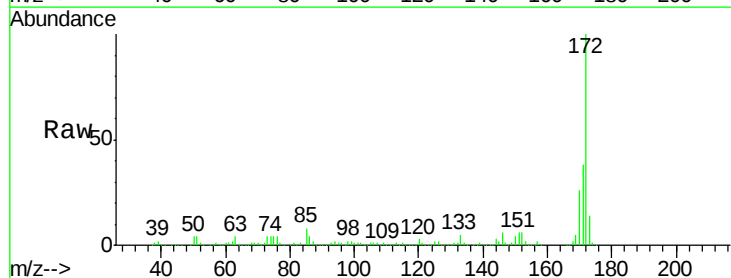


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

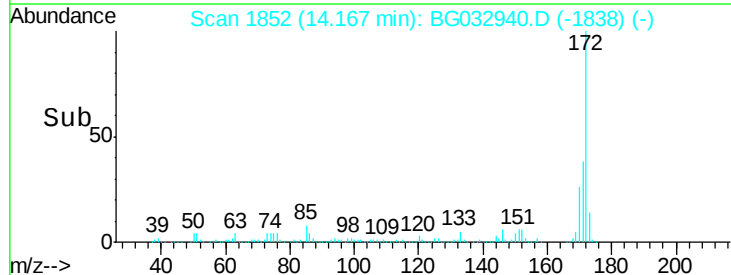
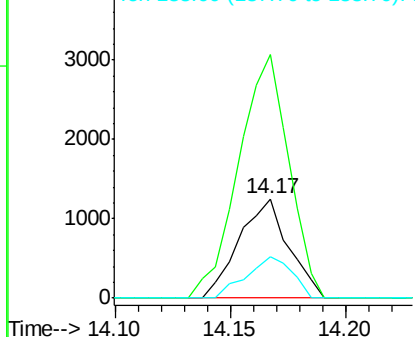


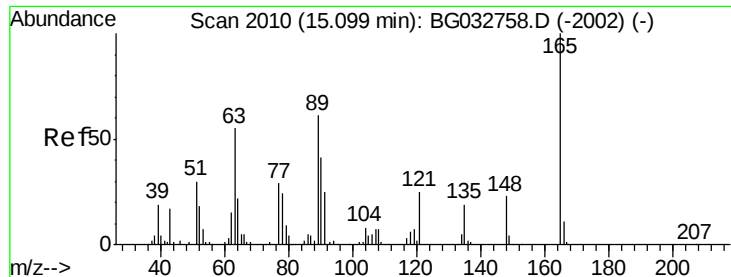
#47
2-Nitroaniline
Concen: 10.401 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Tgt Ion: 65 Resp: 1864
Ion Ratio Lower Upper
65 100
92 244.8 54.6 82.0#
138 41.6 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

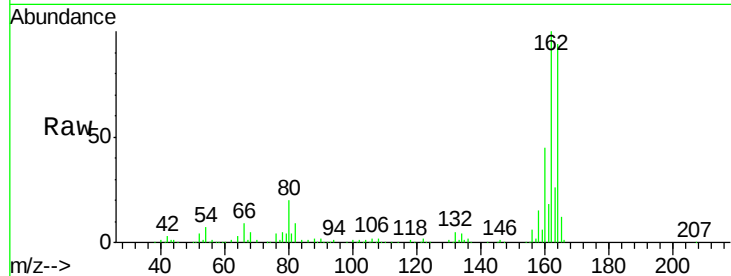




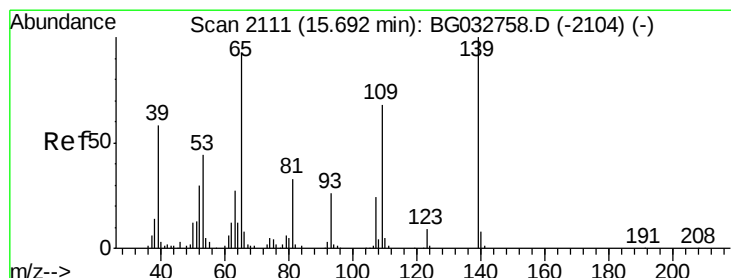
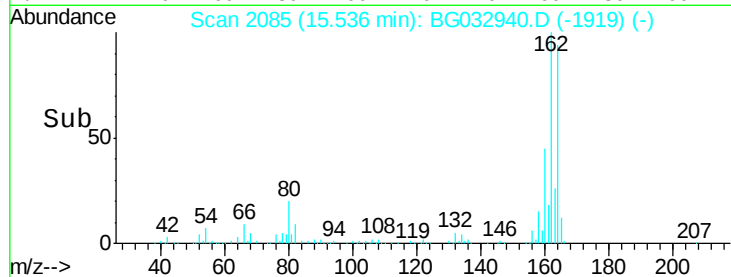
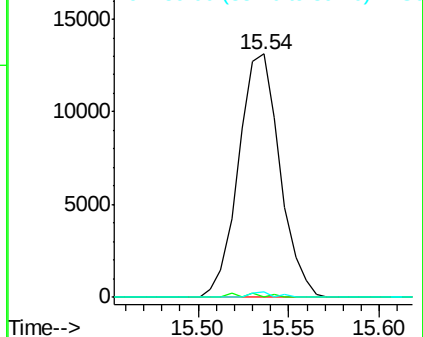
#50
2,6-Dinitrotoluene
Concen: 16.454 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20766
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.1 49.2 73.8#

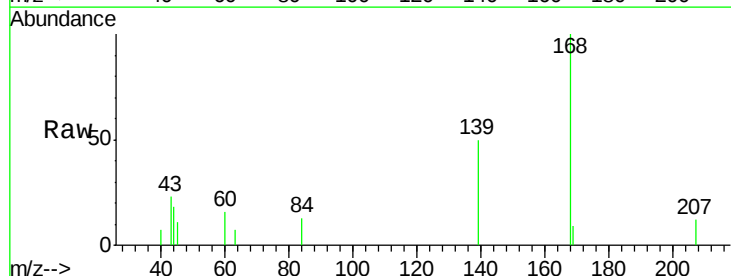


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

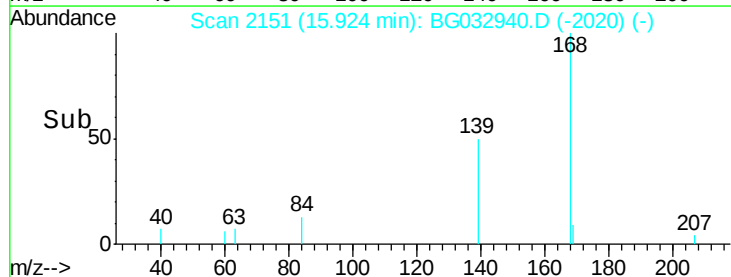
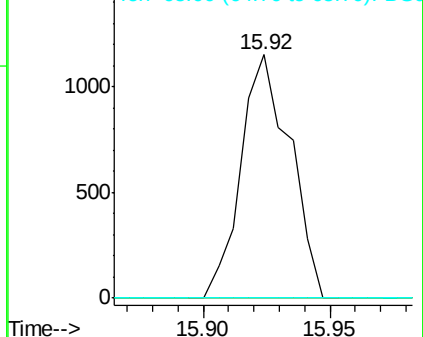


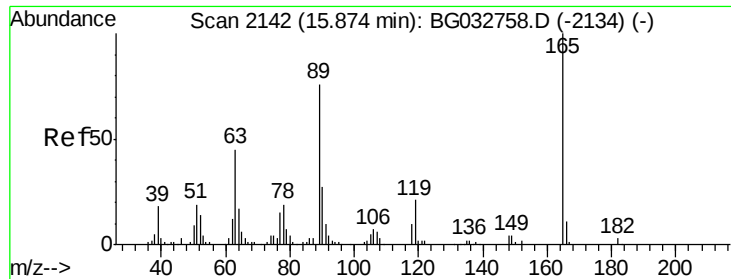
#55
4-Nitrophenol
Concen: 7.721 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032940.D
Acq: 2 Mar 2018 6:48

Tgt Ion:139 Resp: 1557
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

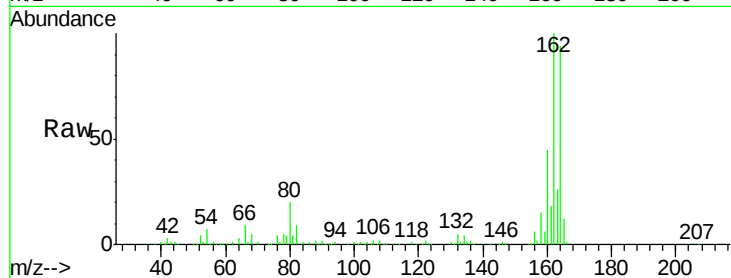




#56
 2,4-Dinitrotoluene
 Concen: 14.652 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.32 min
 Lab File: BG032940.D
 Acq: 2 Mar 2018 6:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20766
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#

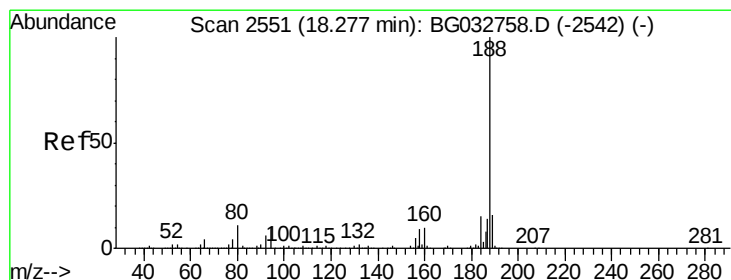
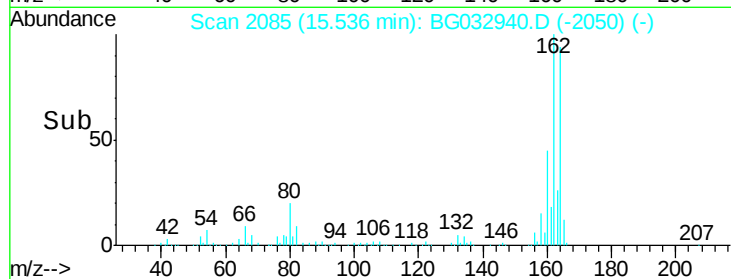
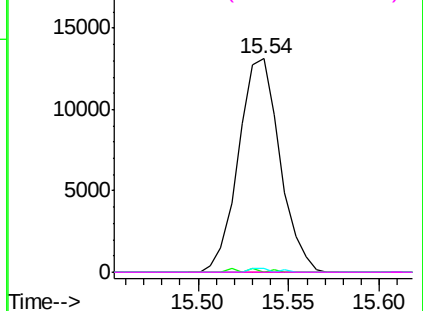


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

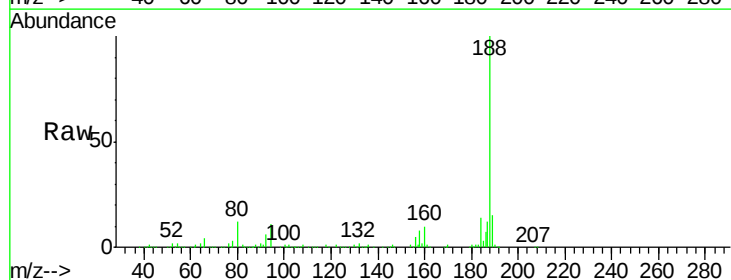
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032940.D
 Acq: 2 Mar 2018 6:48

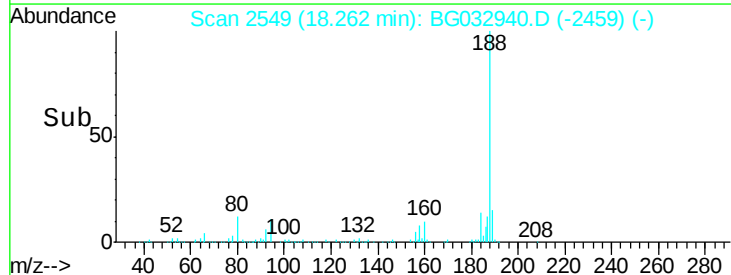
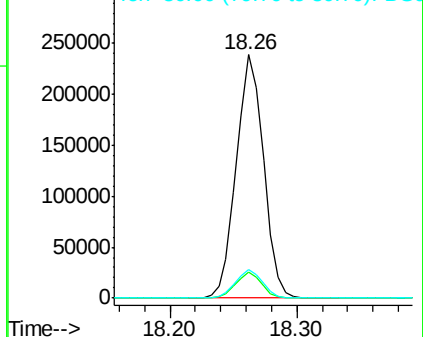
Tgt Ion:188	Resp:	356245
Ion Ratio	Lower	Upper
188	100	
94	10.8	6.9 10.3#
80	11.9	7.7 11.5#

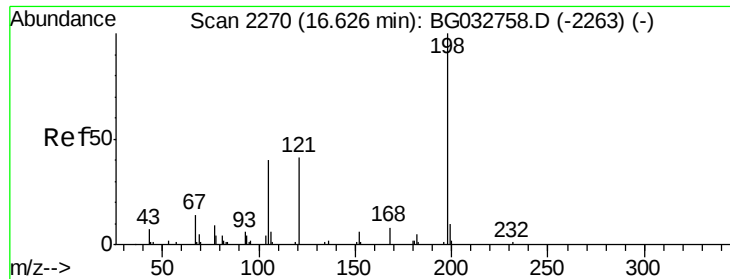


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.000 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.39 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampleId :

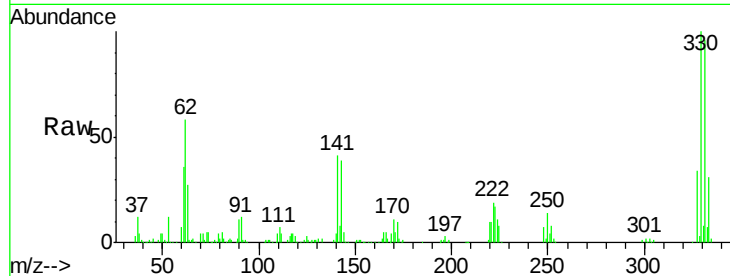
Tot Ion:198 Resp: 883

Ion Ratio Lower Upper

198 100

51 186.8 30.6 70.6#

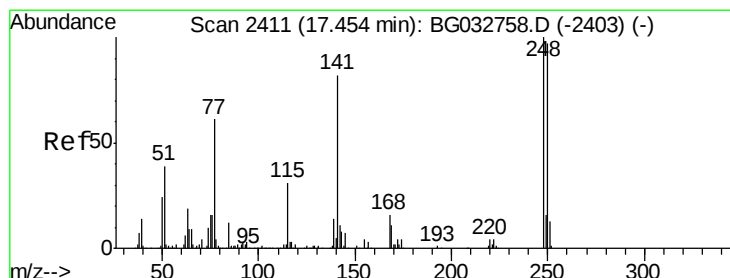
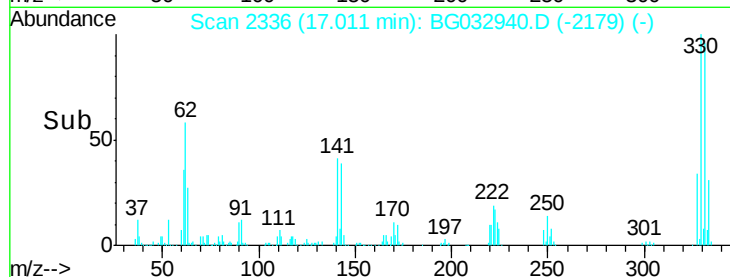
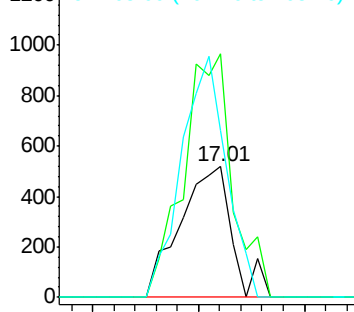
105 128.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG032758.D (-2263) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.427 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.43 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

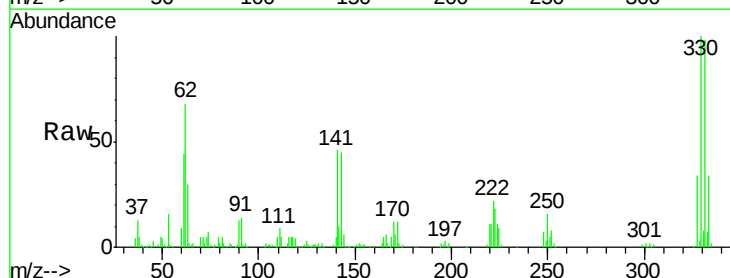
Tgt Ion:248 Resp: 16675

Ion Ratio Lower Upper

248 100

250 213.0 77.1 115.7#

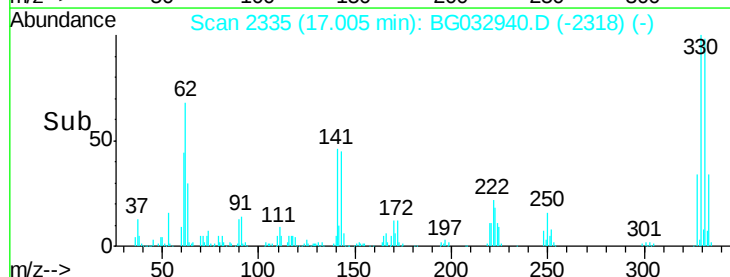
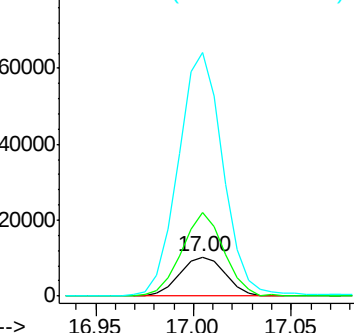
141 619.0 50.8 76.2#

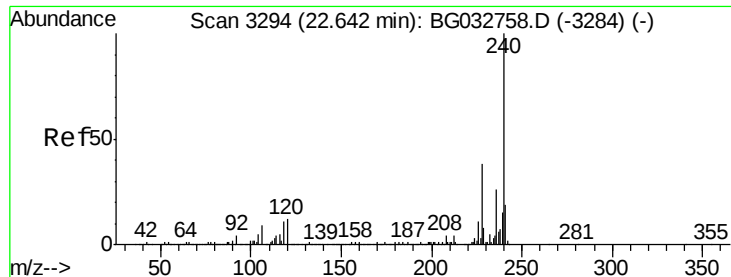


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.62 min Scan# 3291

Delta R.T. 0.00 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampleId :

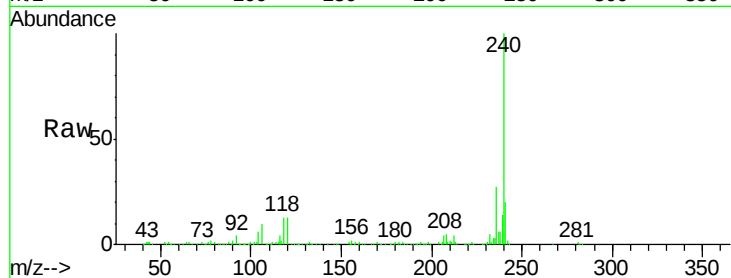
Tot Ion:240 Resp: 317718

Ion Ratio Lower Upper

240 100

120 13.2 6.8 10.2#

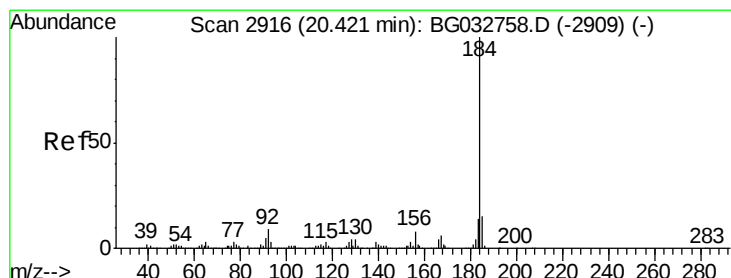
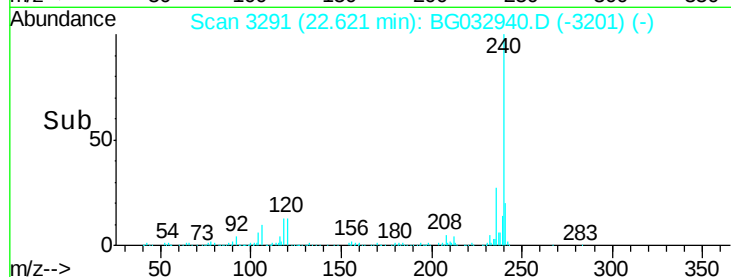
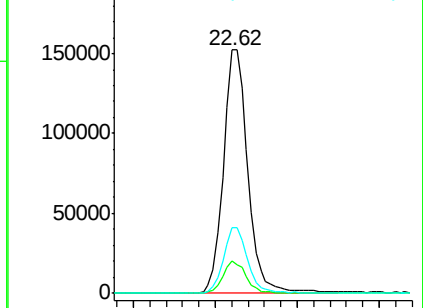
236 26.9 20.9 31.3



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: 2.446 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

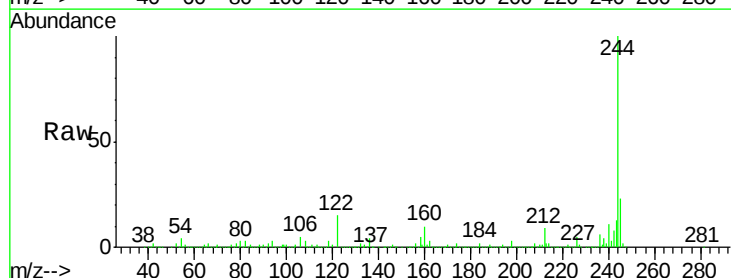
Tgt Ion:184 Resp: 26488

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

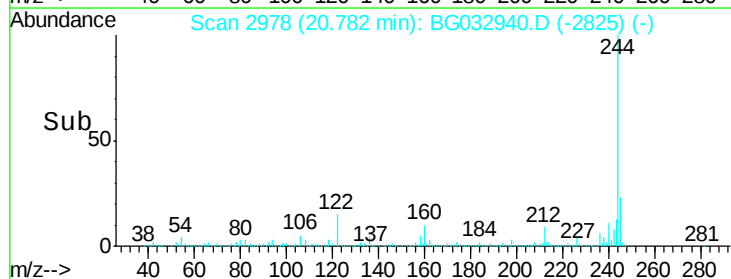
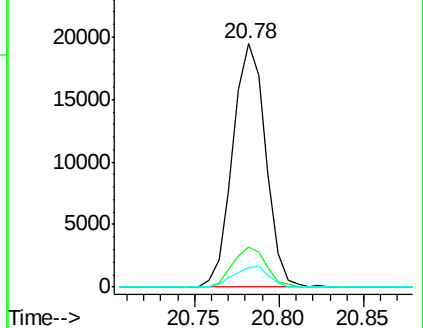
183 8.1 10.6 16.0#

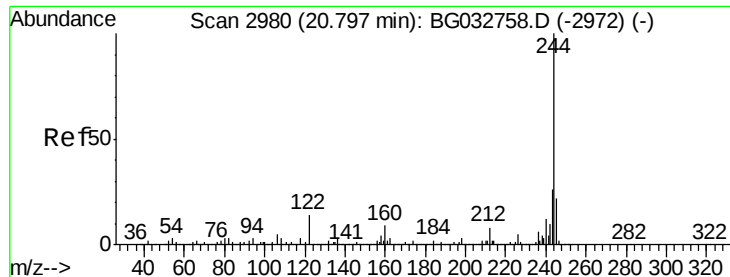


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.551 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

Instrument :

BNA_G

ClientSampleId :

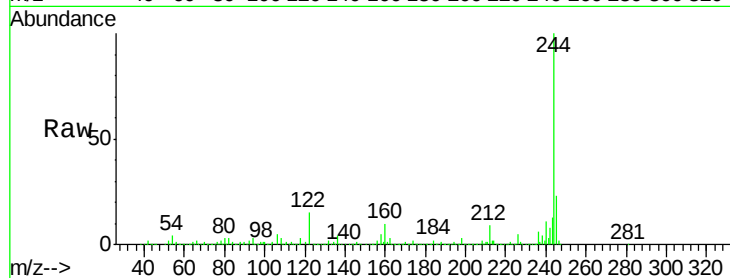
Tot Ion:244 Resp: 1506774

Ion Ratio Lower Upper

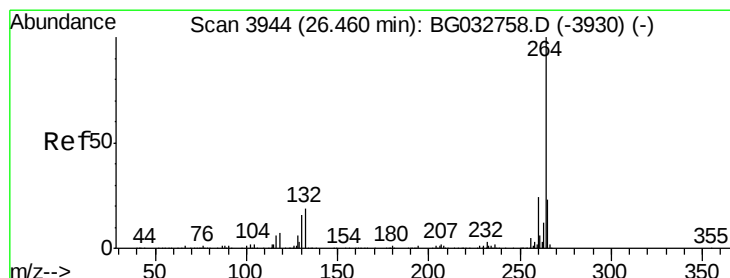
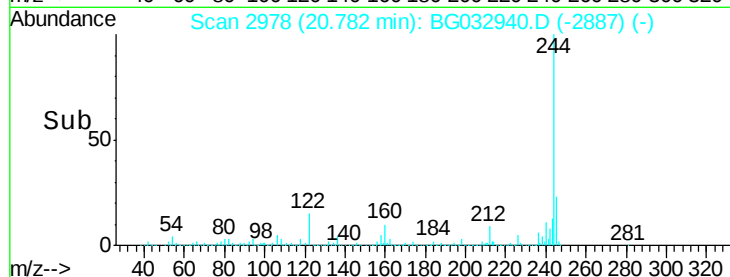
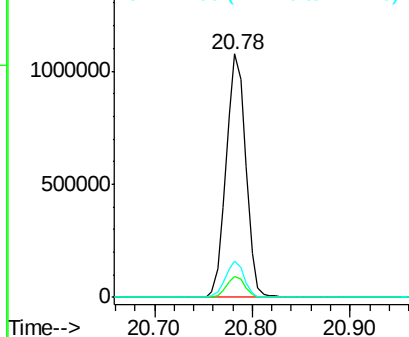
244 100

212 8.6 5.8 8.8

122 14.7 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

Perylene-d12

Concen: 20.000 ng

RT: 26.44 min Scan# 3941

Delta R.T. 0.01 min

Lab File: BG032940.D

Acq: 2 Mar 2018 6:48

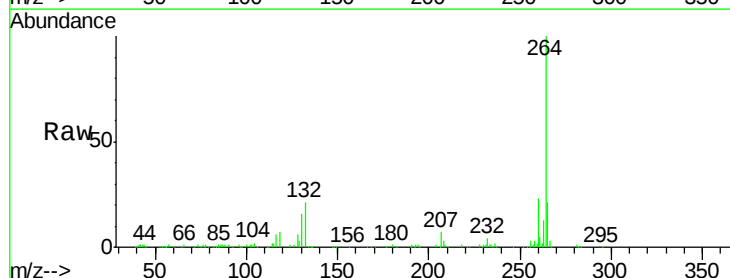
Tgt Ion:264 Resp: 286697

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 20.8 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

