

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032927.D
 Acq On : 1 Mar 2018 21:23
 Operator : SJ/JU
 Sample : J1699-52
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:05:19 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

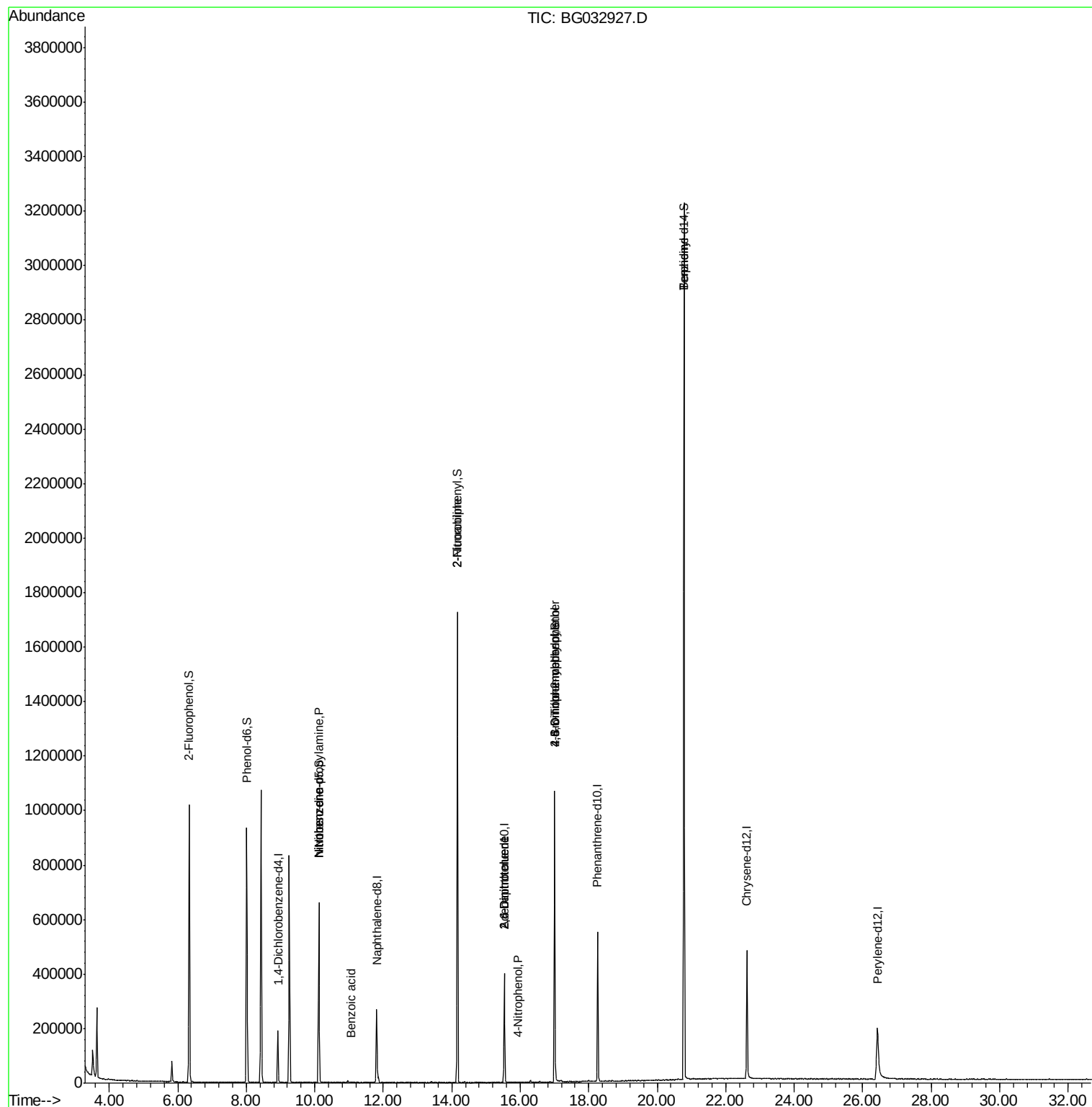
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	57064	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	244195	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	141155	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	337072	20.00	ng	0.00
75) Chrysene-d12	22.62	240	320907	20.00	ng	0.00
86) Perylene-d12	26.43	264	303513	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	494947	138.76	ng	0.00
7) Phenol-d6	8.02	99	602071	121.10	ng	0.00
23) Nitrobenzene-d5	10.12	82	414208	113.89	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	183270	123.48	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	924759	94.49	ng	0.00
78) Terphenyl-d14	20.78	244	1423552	99.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	52709	15.017	ng	# 83
24) Nitrobenzene	10.12	77	1154	6.637	ng	# 45
32) Benzoic acid	11.06	122	427	6.040	ng	# 52
47) 2-Nitroaniline	14.16	65	1518	10.355	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	18035	16.304	ng	# 21
55) 4-Nitrophenol	15.93	139	733	7.421	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	18035	14.501	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	635	5.749	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	12708	3.565	ng	# 1
76) Benzidine	20.78	184	24653	2.254	ng	# 93

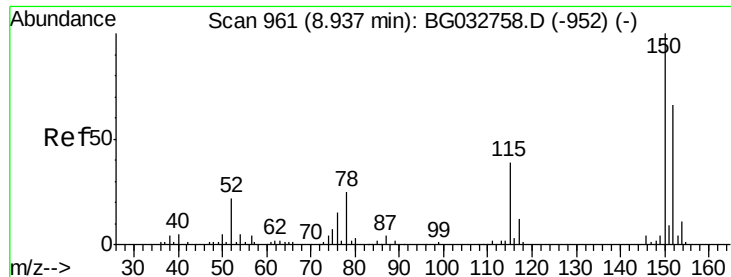
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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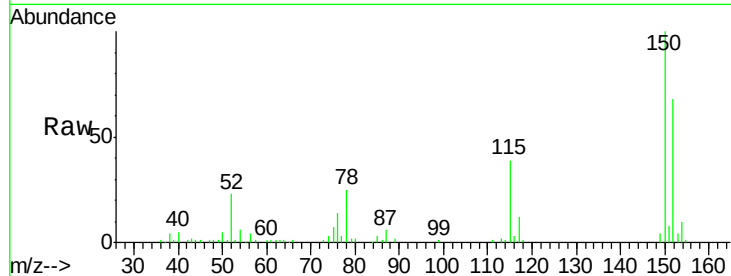


#1

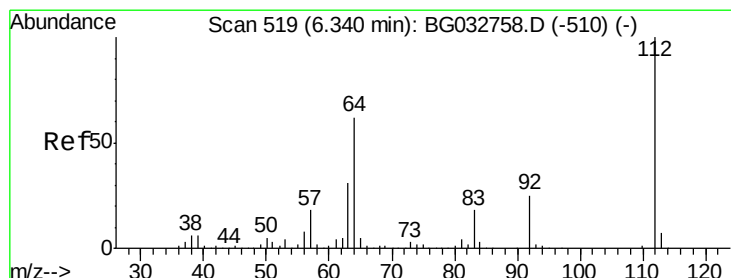
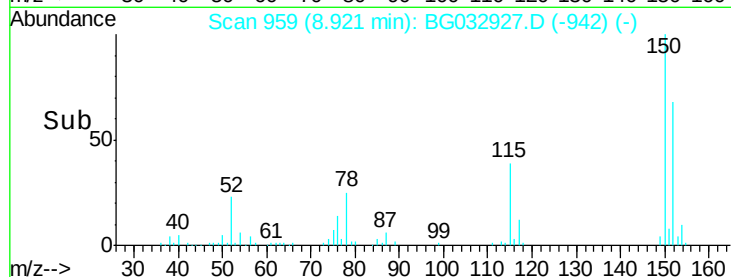
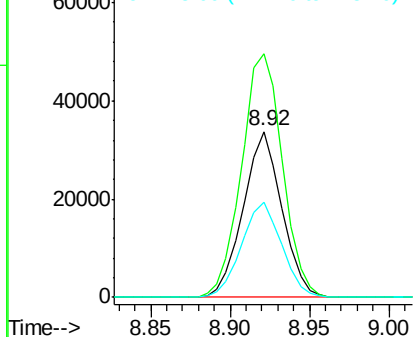
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57064
Ion Ratio Lower Upper
152 100
150 147.1 126.6 189.8
115 57.2 53.0 79.4



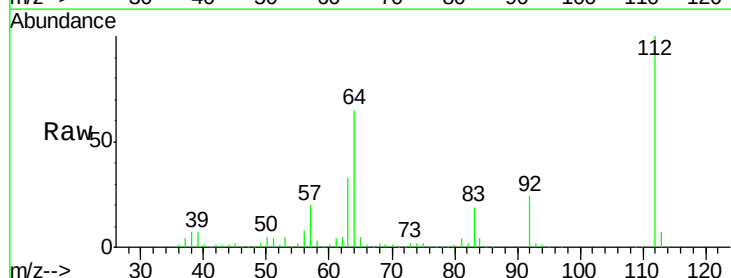
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



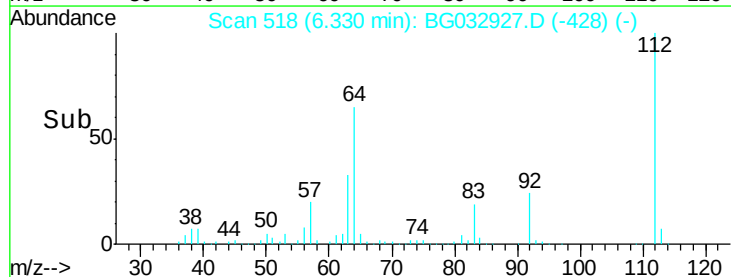
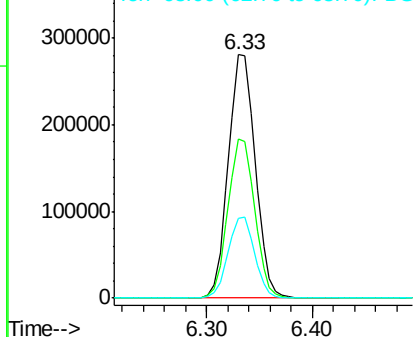
#5

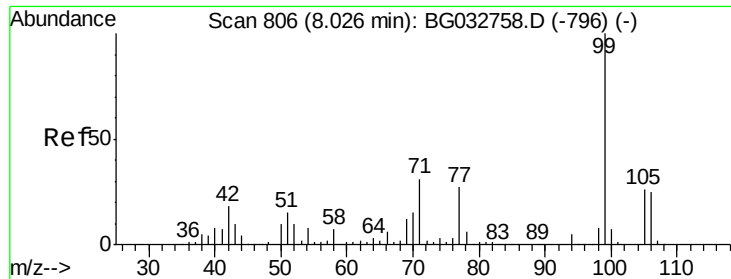
2-Fluorophenol
Concen: 138.764 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Tgt Ion:112 Resp: 494947
Ion Ratio Lower Upper
112 100
64 65.4 56.3 84.5
63 32.7 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: 121.101 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

Instrument :

BNA_G

ClientSampleId :

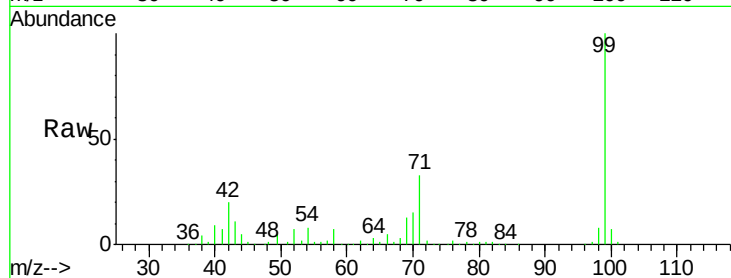
Tot Ion: 99 Resp: 602071

Ion Ratio Lower Upper

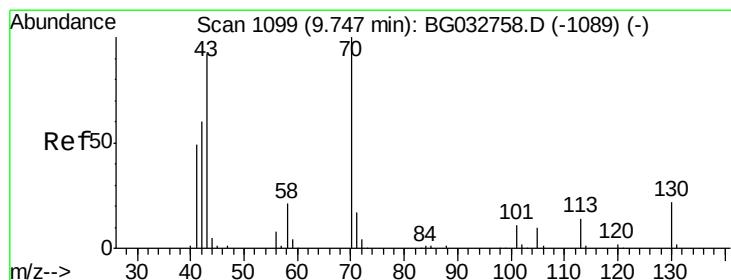
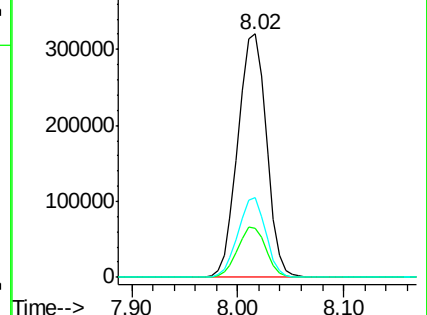
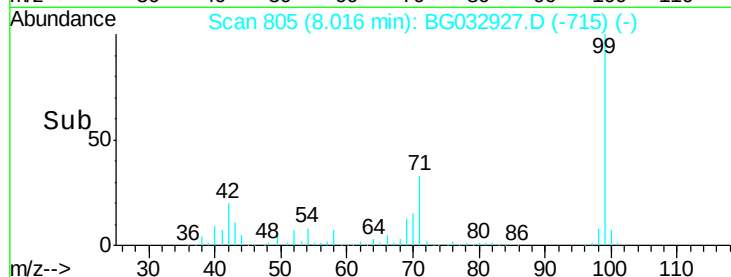
99 100

42 20.2 14.1 21.1

71 32.6 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: 15.017 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

Tgt Ion: 70 Resp: 52709

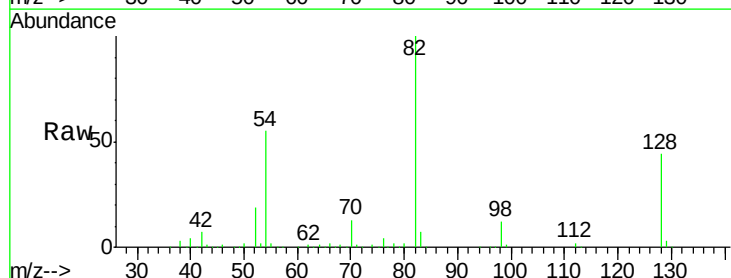
Ion Ratio Lower Upper

70 100

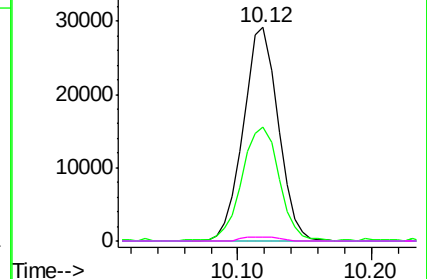
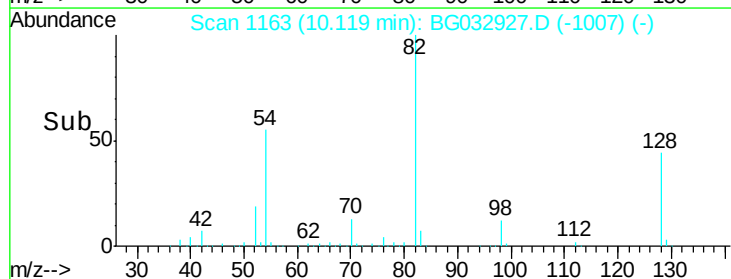
42 53.1 49.1 73.7

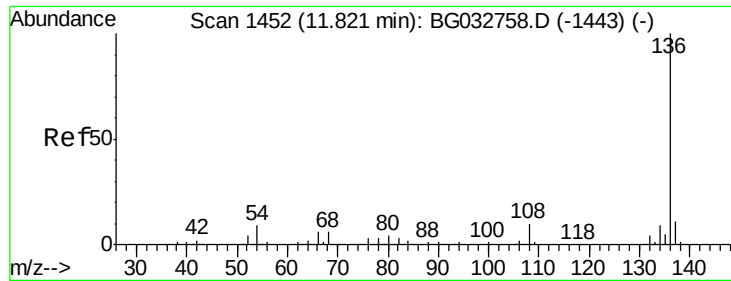
101 0.0 8.5 12.7#

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

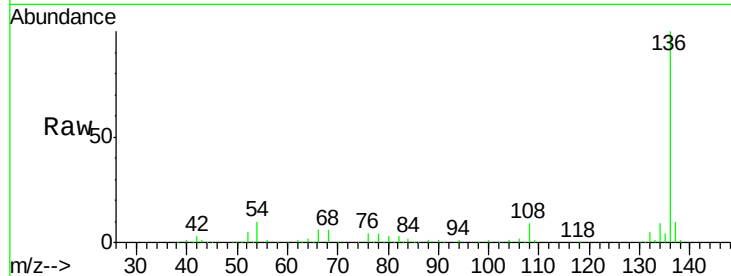




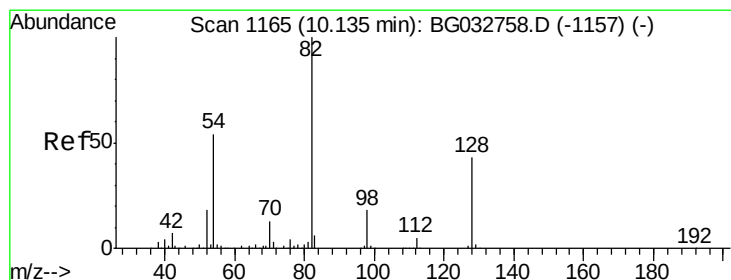
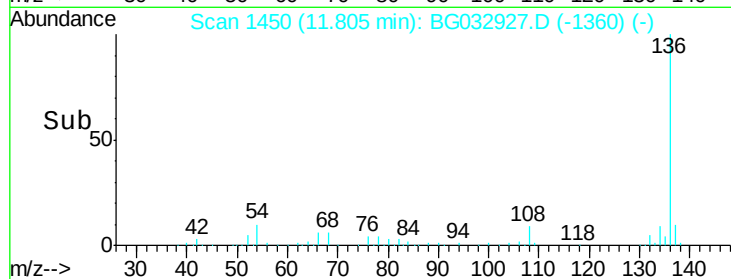
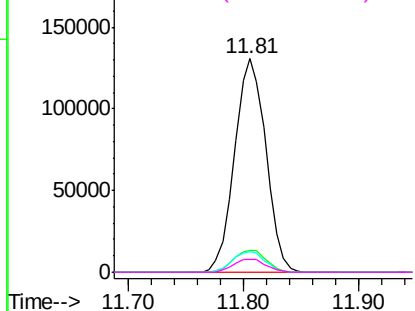
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	244195
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	9.6	10.3	15.5#
68	6.1	4.5	6.7

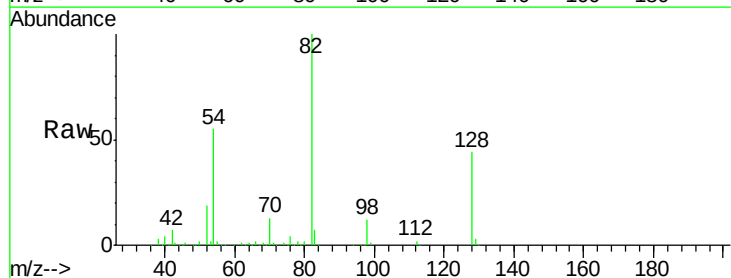


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

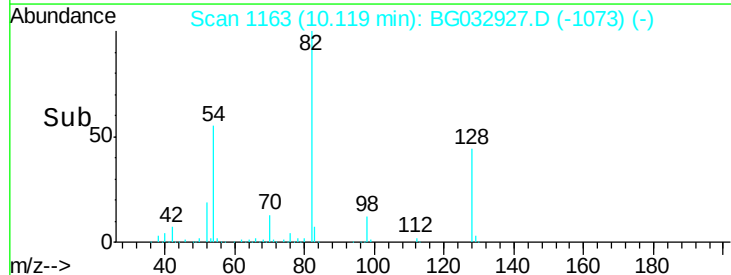
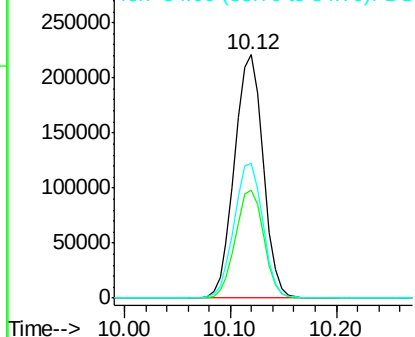


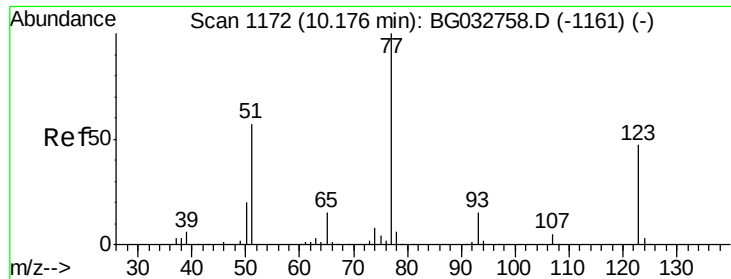
#23
Nitrobenzene-d5
Concen: 113.895 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Tgt Ion:	82	Resp:	414208
Ion	Ratio	Lower	Upper
82	100		
128	44.5	29.7	44.5
54	55.2	43.1	64.7



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

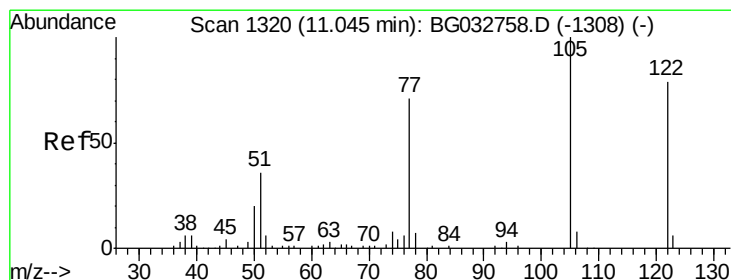
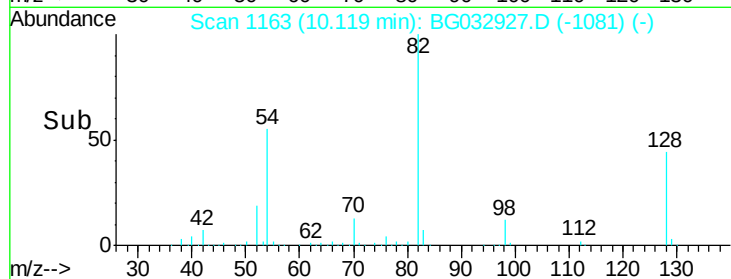
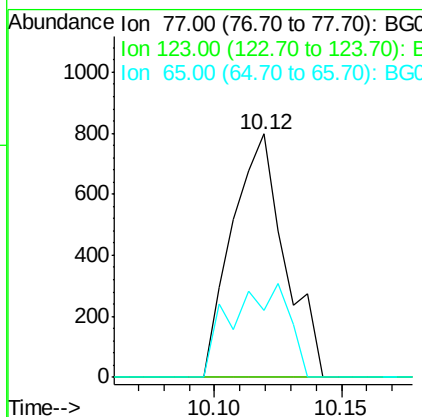
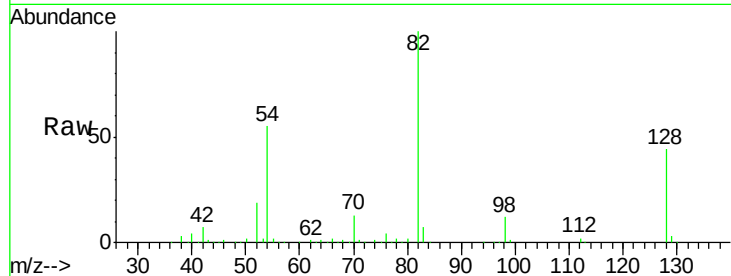




#24
 Nitrobenzene
 Concen: 6.637 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

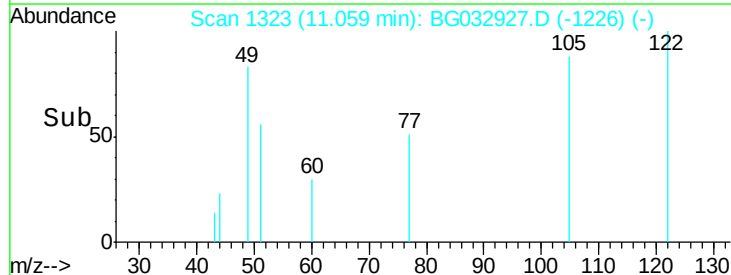
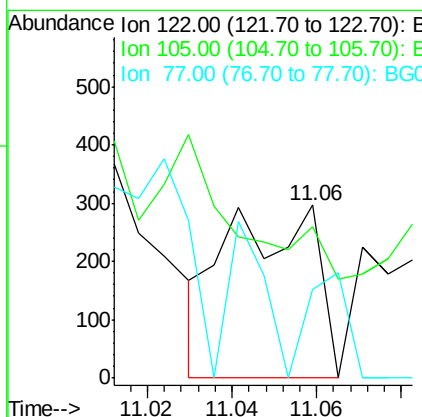
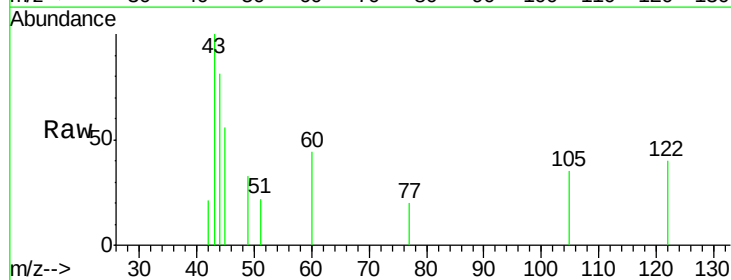
Instrument :
 BNA_G
 ClientSampleId :

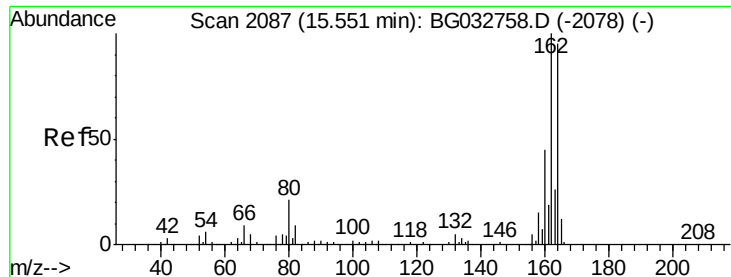
Tot Ion: 77 Resp: 1154
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 27.7 13.0 19.6#



#32
 Benzoic acid
 Concen: 6.040 ng
 RT: 11.06 min Scan# 1323
 Delta R.T. 0.04 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

Tgt Ion: 122 Resp: 427
 Ion Ratio Lower Upper
 122 100
 105 87.5 123.5 163.5#
 77 51.4 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

Instrument :

BNA_G

ClientSampleId :

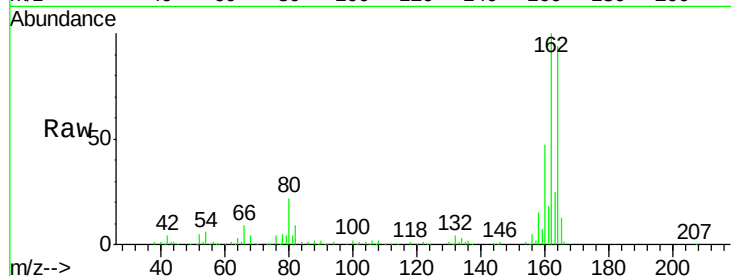
Tot Ion:164 Resp: 141155

Ion Ratio Lower Upper

164 100

162 106.3 78.8 118.2

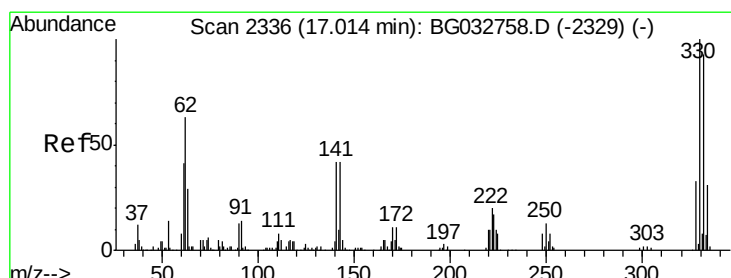
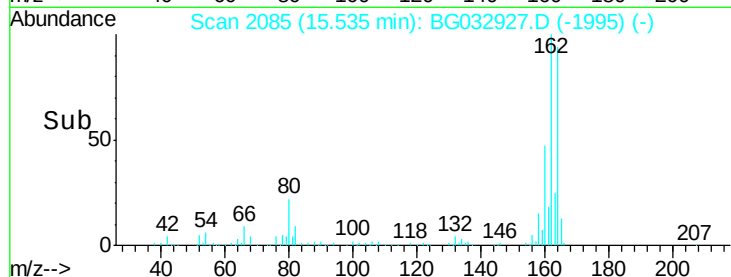
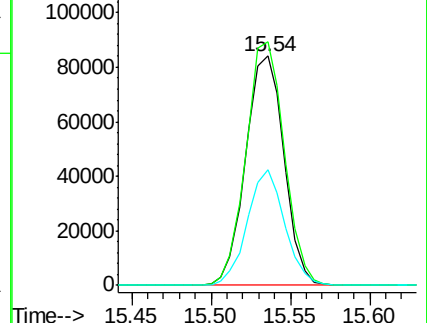
160 50.3 35.4 53.0



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: 123.481 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

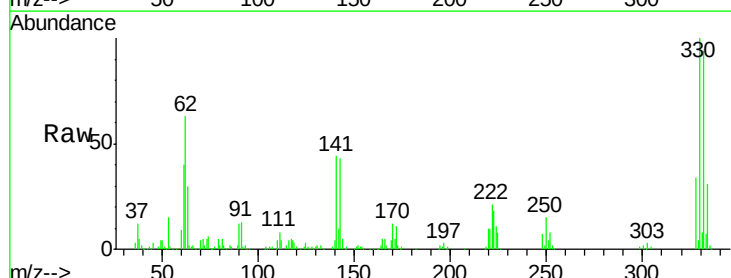
Tgt Ion:330 Resp: 183270

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

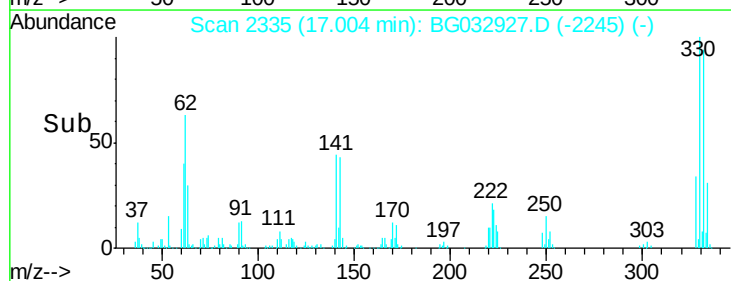
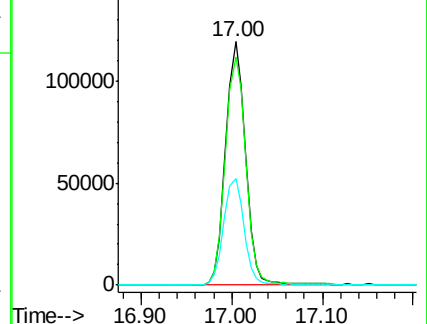
141 45.0 25.2 37.8#

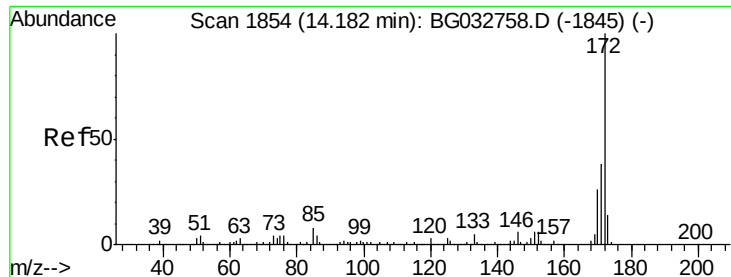


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

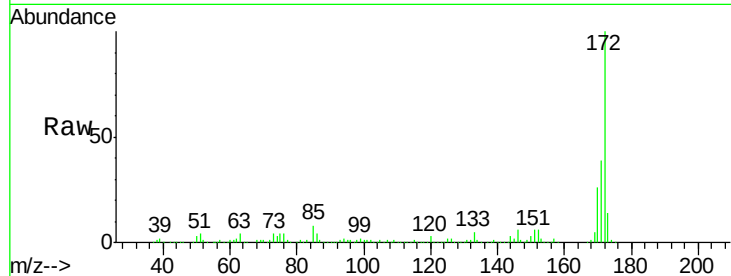




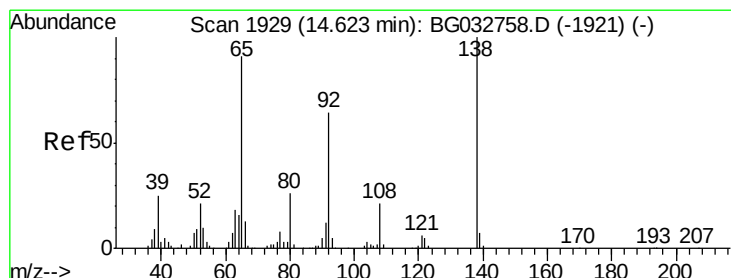
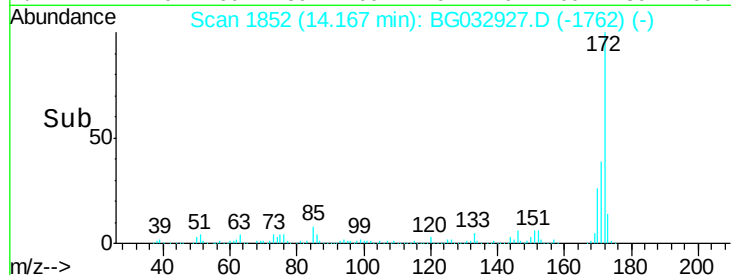
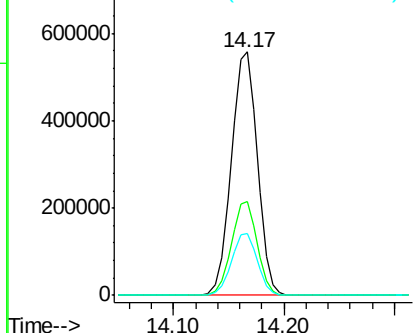
#44
2-Fluorobiphenyl
Concen: 94.487 ng
RT: 14.17 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 924759
Ion Ratio Lower Upper
172 100
171 38.7 30.0 45.0
170 25.6 19.5 29.3

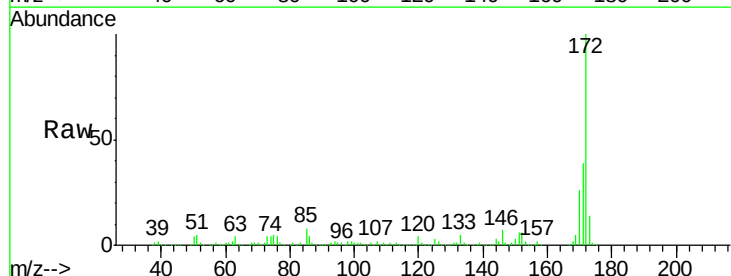


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

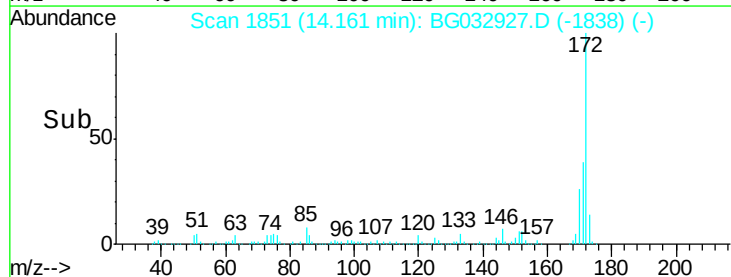
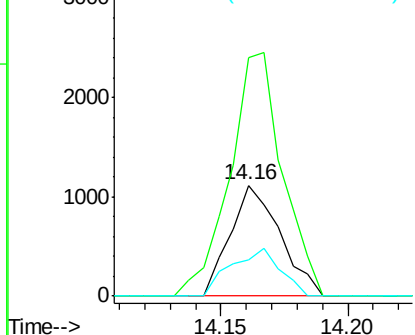


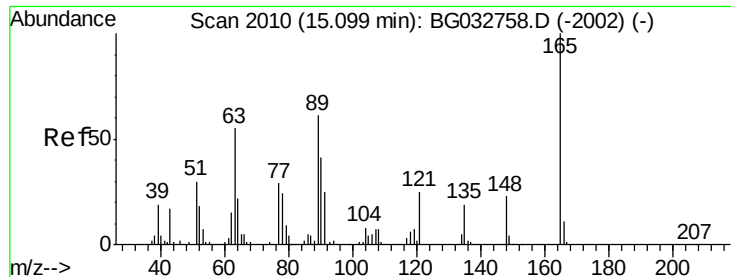
#47
2-Nitroaniline
Concen: 10.355 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.45 min
Lab File: BG032927.D
Acq: 1 Mar 2018 21:23

Tgt Ion: 65 Resp: 1518
Ion Ratio Lower Upper
65 100
92 215.4 54.6 82.0#
138 32.2 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: 16.304 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.45 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

Instrument :

BNA_G

ClientSampleId :

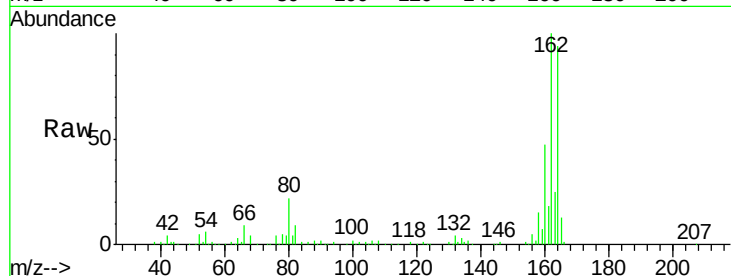
Tot Ion:165 Resp: 18035

Ion Ratio Lower Upper

165 100

63 2.5 52.7 79.1#

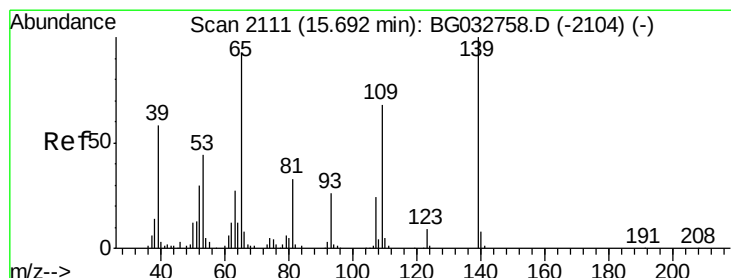
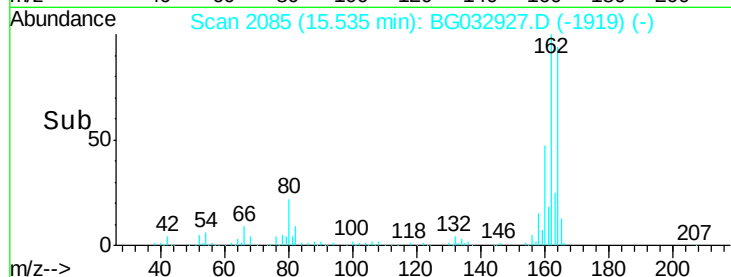
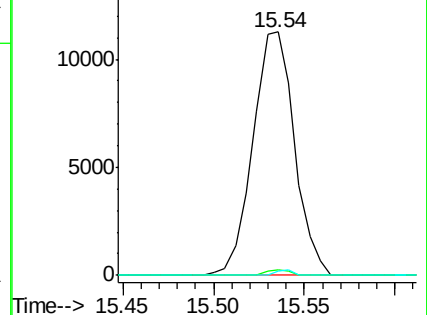
89 2.0 49.2 73.8#



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: 7.421 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.25 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

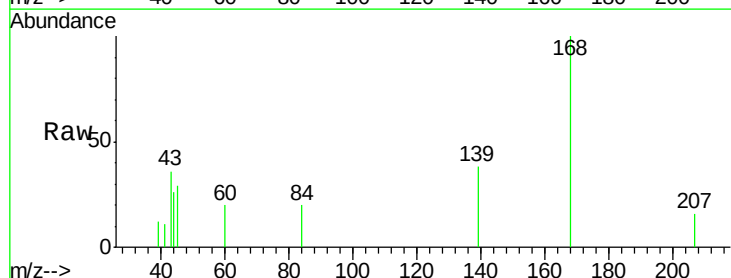
Tgt Ion:139 Resp: 733

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

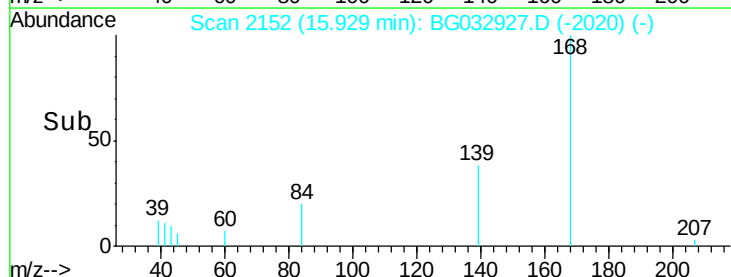
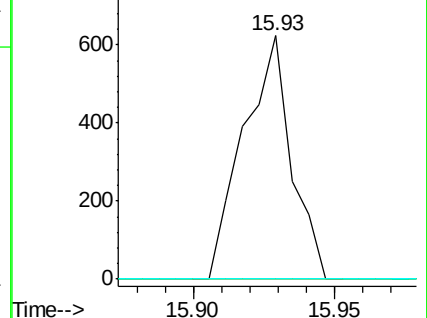
65 0.0 97.2 137.2#

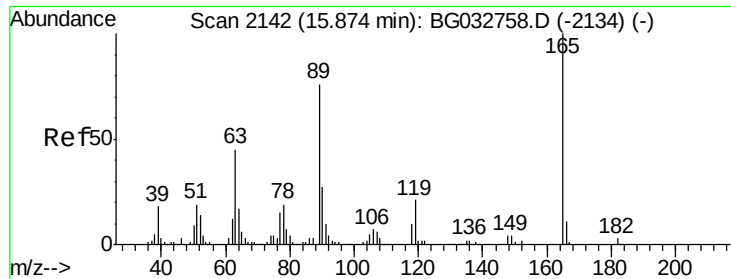


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

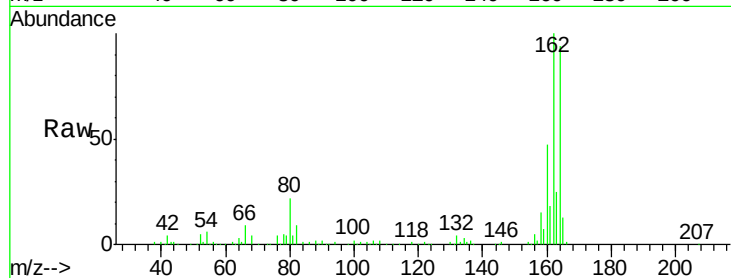




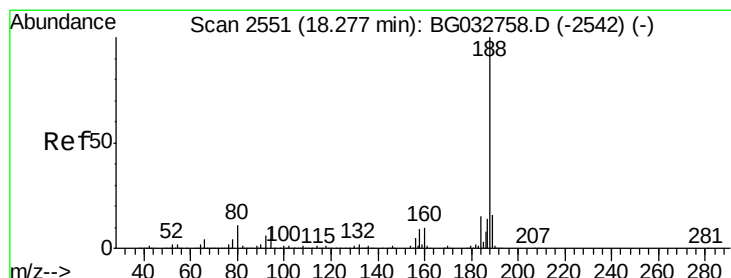
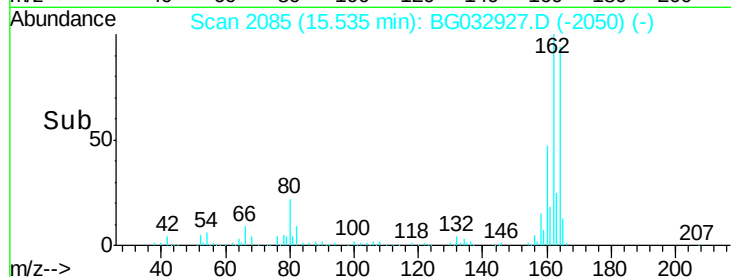
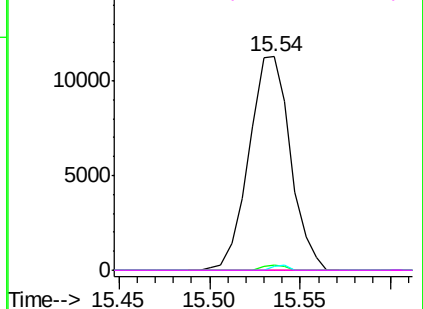
#56
 2,4-Dinitrotoluene
 Concen: 14.501 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.32 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18035
 Ion Ratio Lower Upper
 165 100
 63 2.5 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#

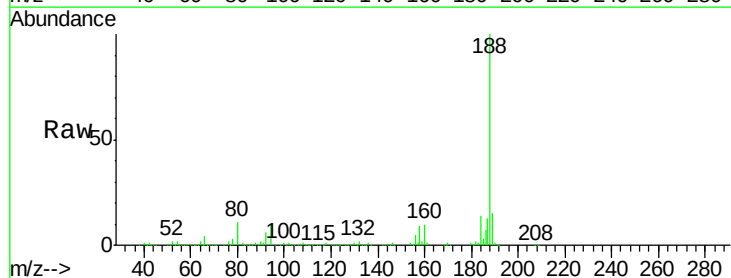


Abundance Ion 165.00 (164.70 to 165.70): E

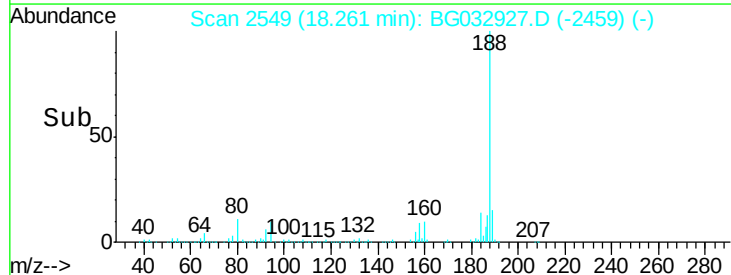
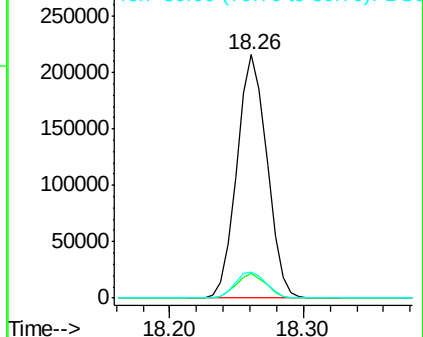


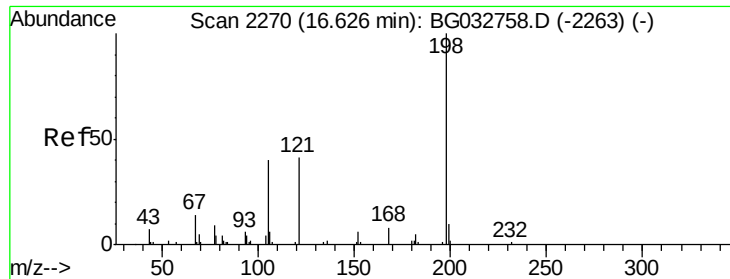
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

Tgt Ion:188 Resp: 337072
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.9 10.3
 80 10.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

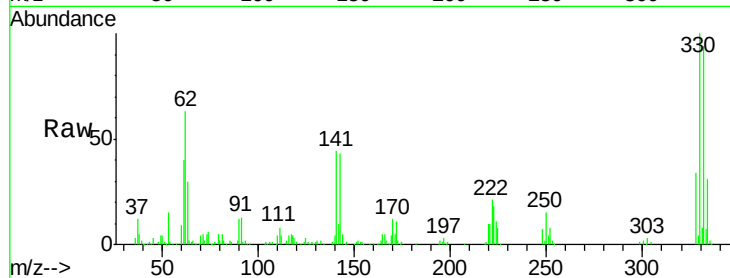




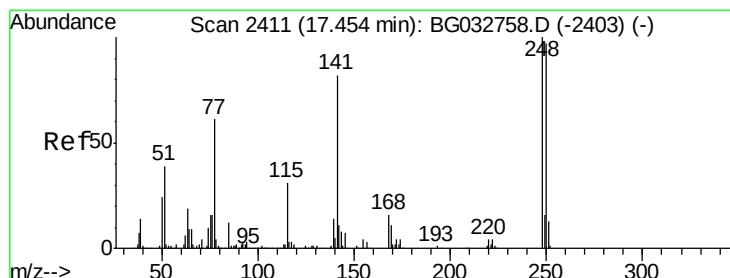
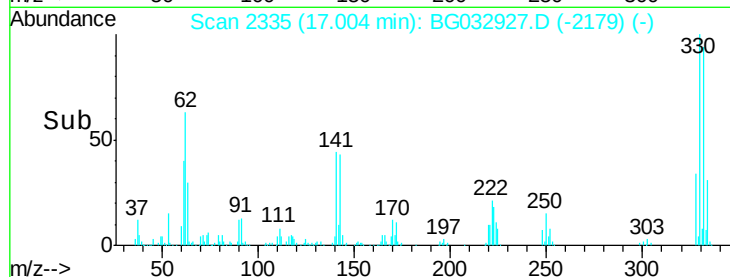
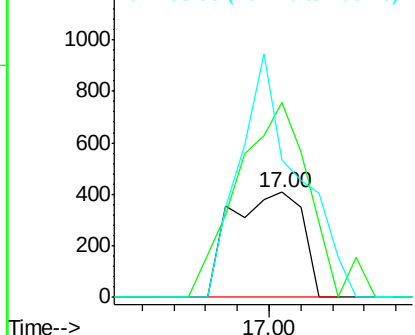
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.749 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.39 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 635
 Ion Ratio Lower Upper
 198 100
 51 185.5 30.6 70.6#
 105 130.6 23.8 63.8#

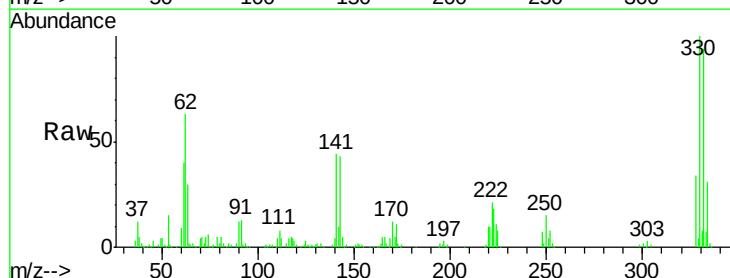


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

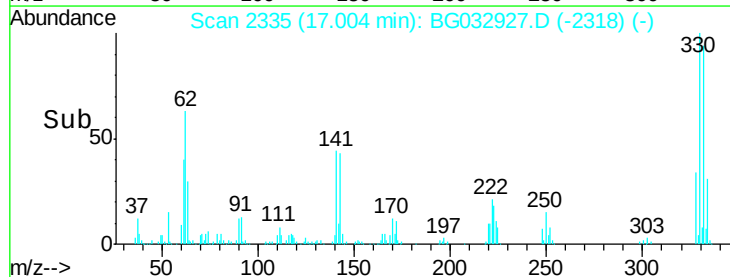
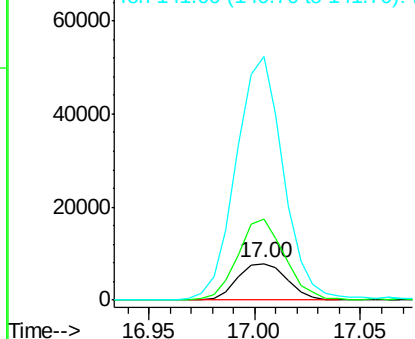


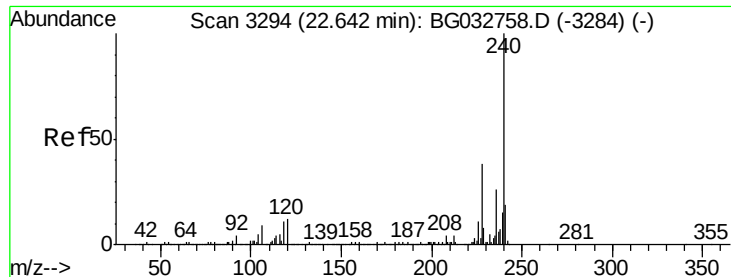
#66
 4-Bromophenyl-phenylether
 Concen: 3.565 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032927.D
 Acq: 1 Mar 2018 21:23

Tgt Ion:248 Resp: 12708
 Ion Ratio Lower Upper
 248 100
 250 220.3 77.1 115.7#
 141 661.1 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: BG032927.D

Acq: 1 Mar 2018 21:23

Instrument :

BNA_G

ClientSampleId :

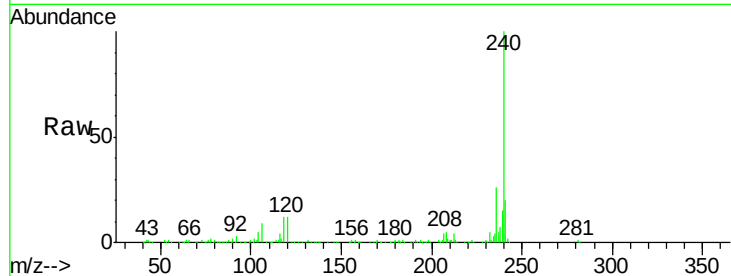
Tot Ion:240 Resp: 320907

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

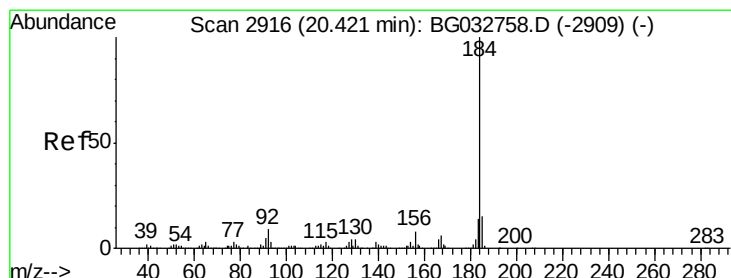
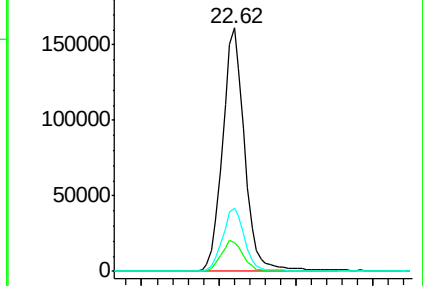
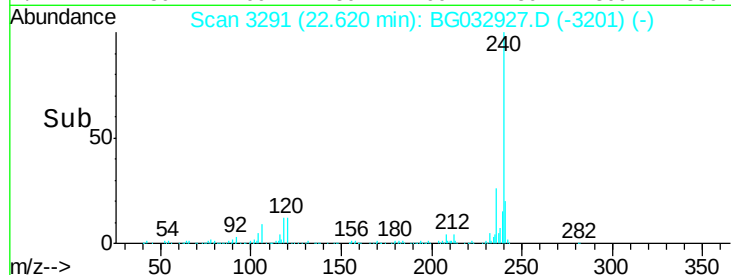
236 26.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.254 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

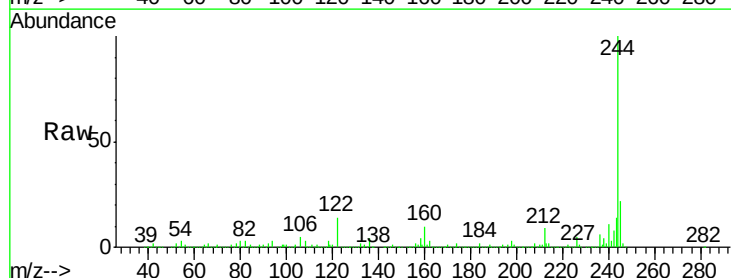
Tgt Ion:184 Resp: 24653

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

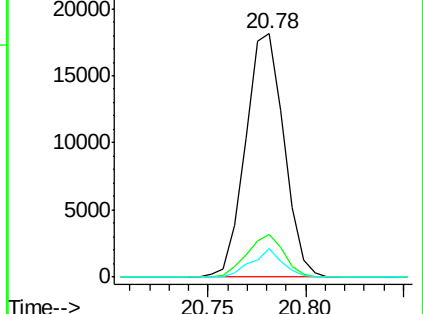
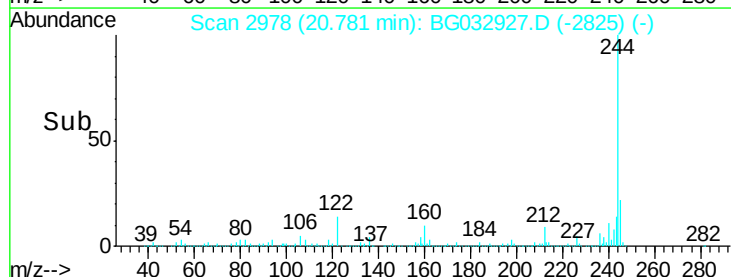
183 11.8 10.6 16.0

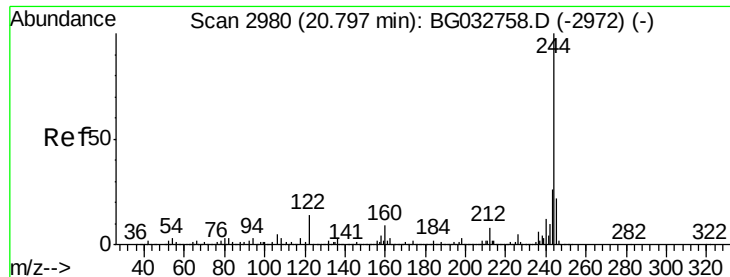


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.665 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

Instrument :

BNA_G

ClientSampleId :

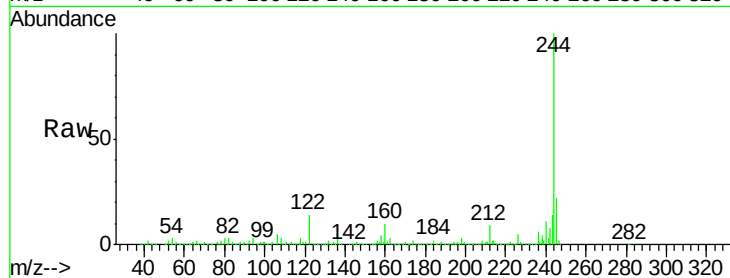
Tot Ion:244 Resp: 1423552

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

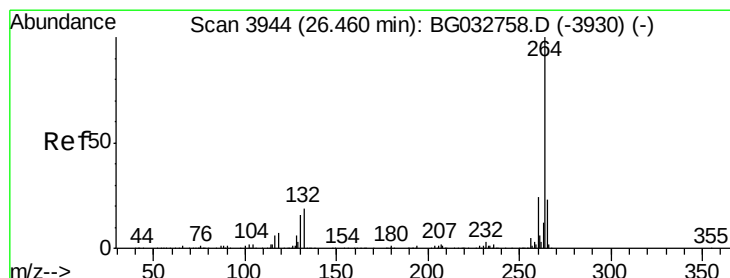
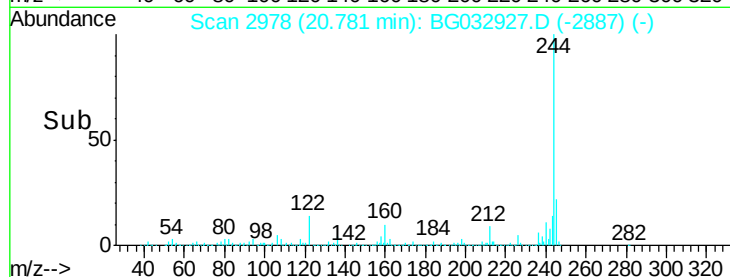
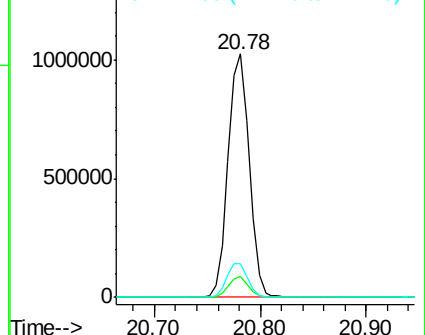
122 14.0 7.0 10.4#



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: 26.43 min Scan# 3939

Delta R.T. 0.00 min

Lab File: BG032927.D

Acq: 1 Mar 2018 21:23

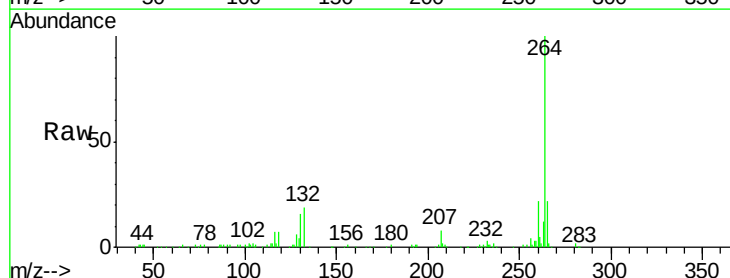
Tgt Ion:264 Resp: 303513

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 22.0 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

