

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032627.D
 Acq On : 9 Feb 2018 3:31
 Operator : SJ/JU
 Sample : J1473-44
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 06:19:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

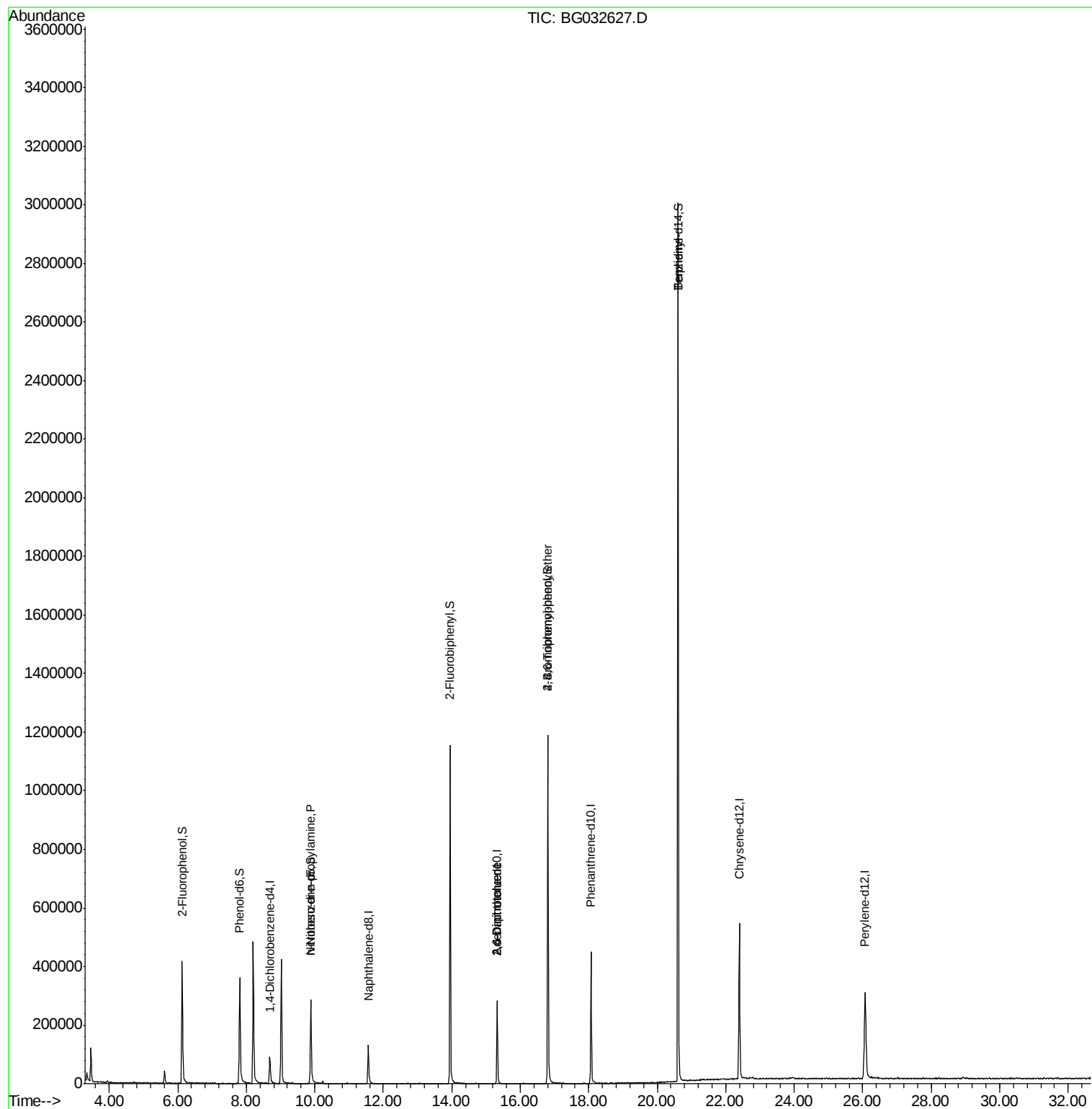
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	35875	20.00	ng	-0.02
21) Naphthalene-d8	11.57	136	143201	20.00	ng	-0.02
38) Acenaphthene-d10	15.33	164	114758	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	342809	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	433386	20.00	ng	-0.01
86) Perylene-d12	26.07	264	442121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	214830	120.28	ng	-0.01
7) Phenol-d6	7.81	99	252357	105.88	ng	-0.01
23) Nitrobenzene-d5	9.89	82	201613	87.94	ng	-0.02
41) 2,4,6-Tribromophenol	16.81	330	268363	122.85	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	707560	73.28	ng	-0.02
78) Terphenyl-d14	20.61	244	1650947	81.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.89	70	28455	18.01	ng	# 81
50) 2,6-Dinitrotoluene	15.33	165	15809	7.12	ng	# 20
56) 2,4-Dinitrotoluene	15.33	165	15809	5.00	ng	# 18
66) 4-Bromophenyl-phenylether	16.81	248	24729	4.87	ng	# 1
76) Benzidine	20.61	184	25934	3.05	ng	# 90

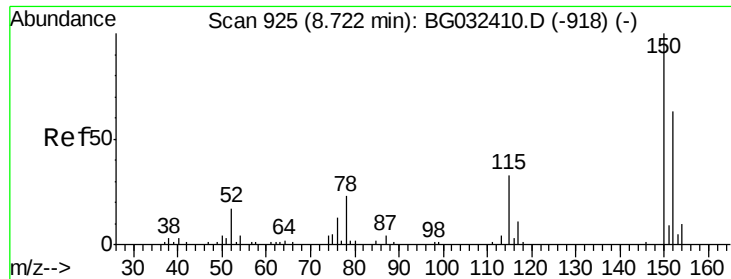
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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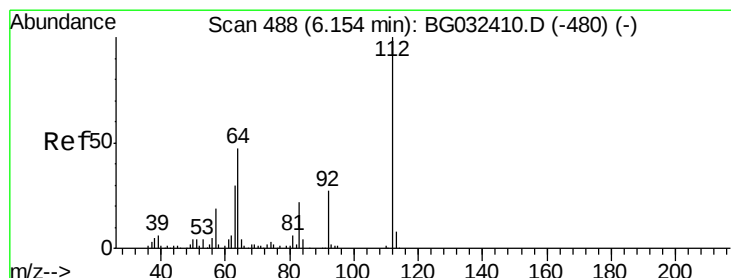
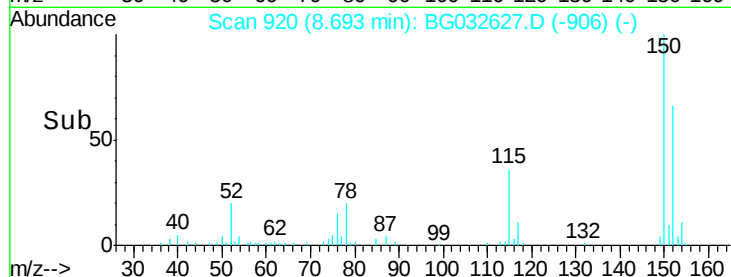
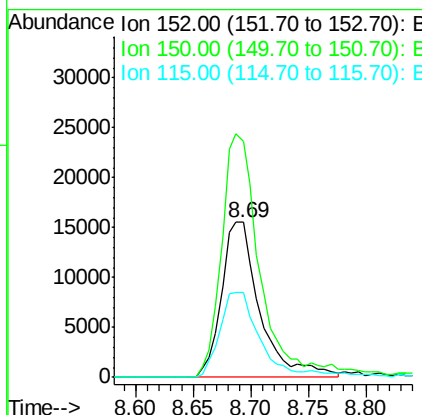
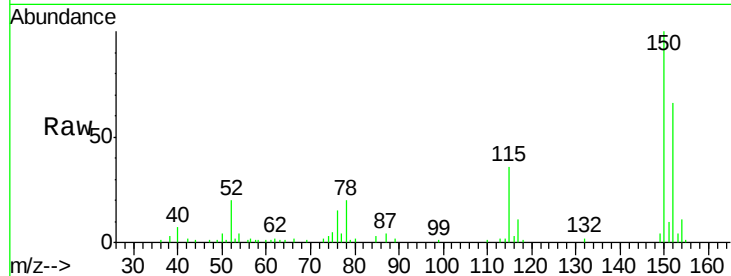


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 920
Delta R.T. -0.02 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Instrument :
BNA_G
ClientSampled :

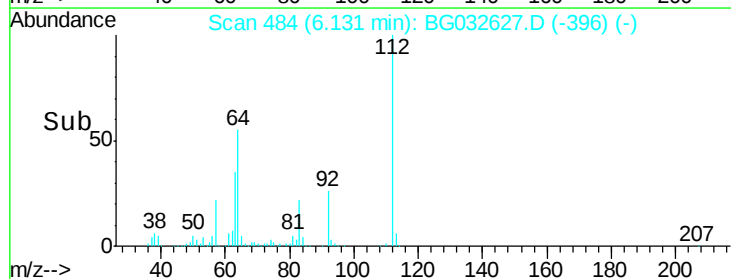
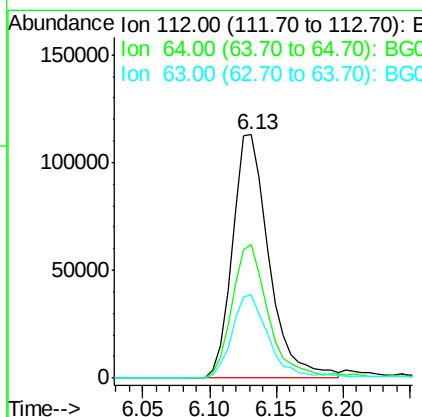
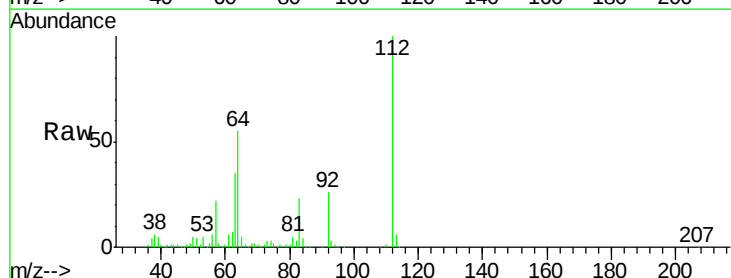
Tot Ion:152 Resp: 35875
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 54.4 53.0 79.4

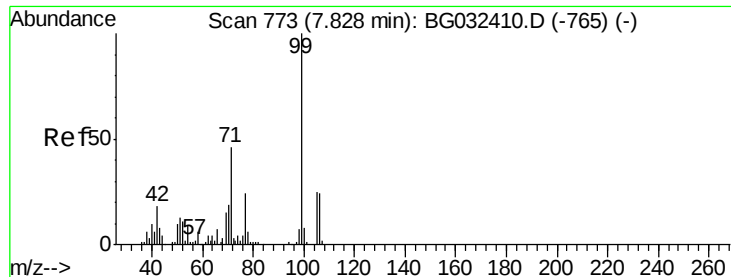


#5

2-Fluorophenol
Concen: 120.28 ng
RT: 6.13 min Scan# 484
Delta R.T. -0.01 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Tgt Ion:112 Resp: 214830
Ion Ratio Lower Upper
112 100
64 54.7 56.3 84.5#
63 34.5 30.1 45.1





#7

Phenol-d6

Concen: 105.88 ng

RT: 7.81 min Scan# 770

Delta R.T. -0.01 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

Instrument :

BNA_G

ClientSampleId :

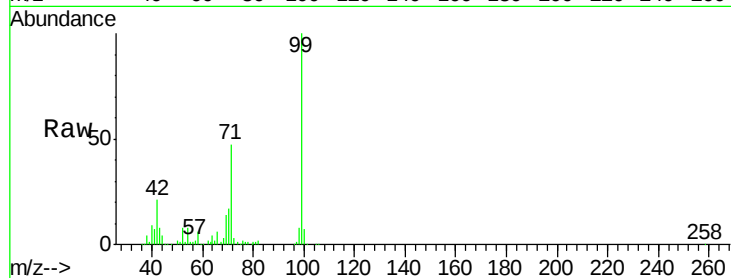
Tot Ion: 99 Resp: 252357

Ion Ratio Lower Upper

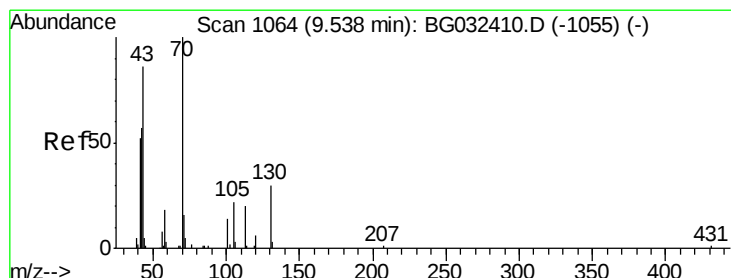
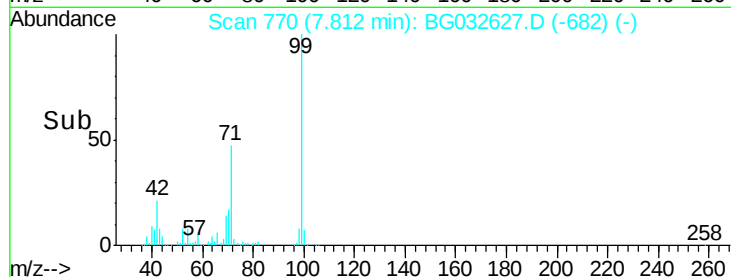
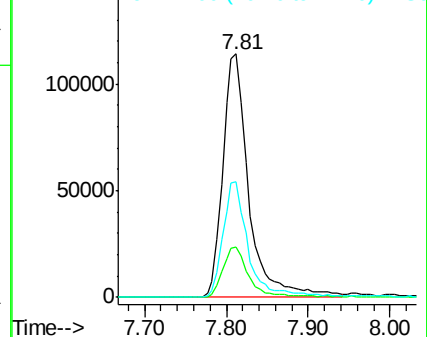
99 100

42 20.7 14.1 21.1

71 47.3 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: 18.01 ng

RT: 9.89 min Scan# 1123

Delta R.T. 0.37 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

Tgt Ion: 70 Resp: 28455

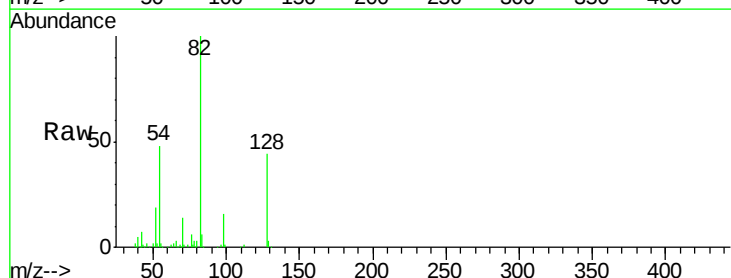
Ion Ratio Lower Upper

70 100

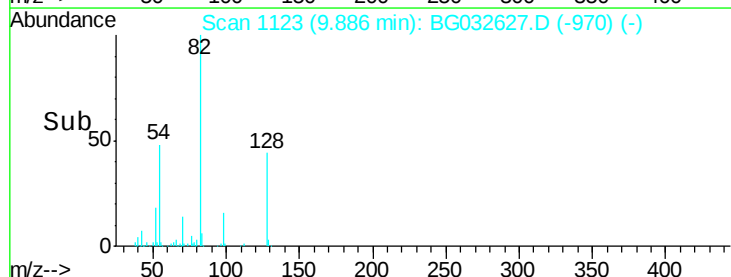
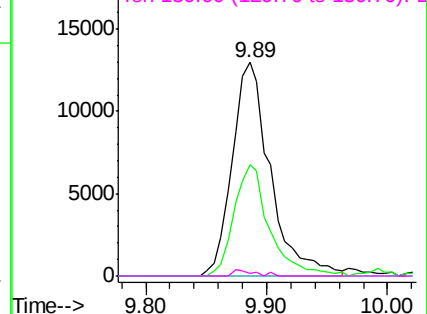
42 52.0 49.1 73.7

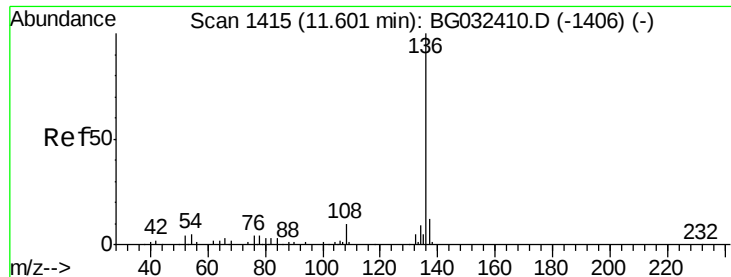
101 0.0 8.5 12.7#

130 1.3 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

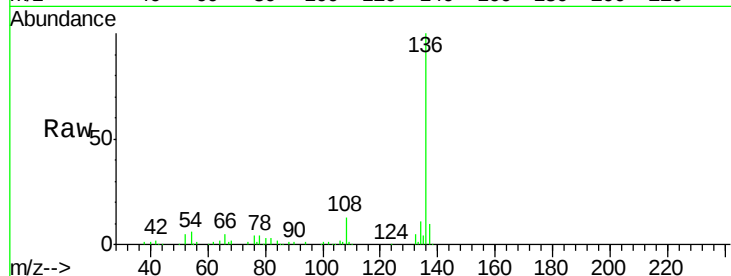




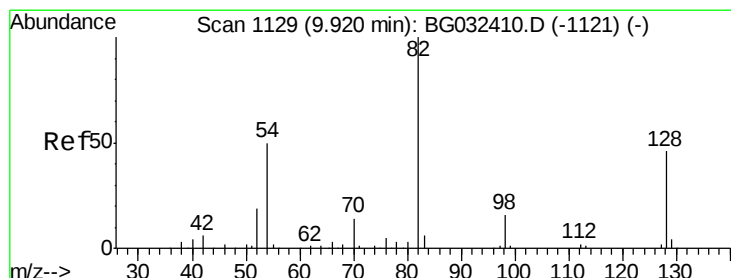
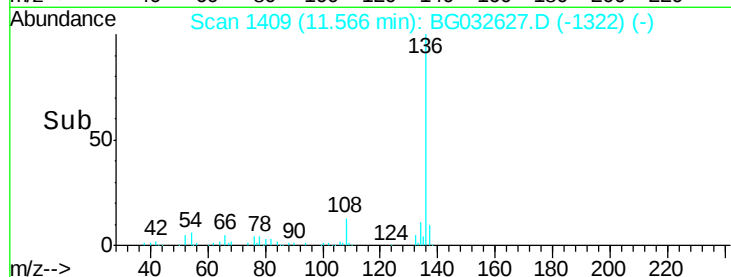
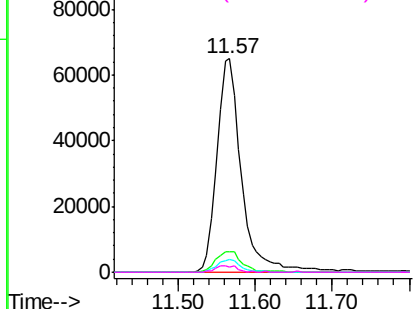
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.57 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	143201
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	6.2	10.3	15.5#
68	2.4	4.5	6.7#

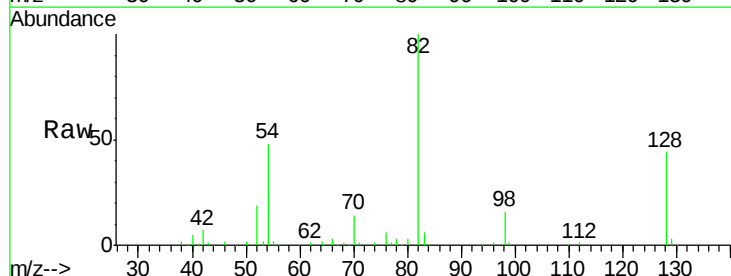


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

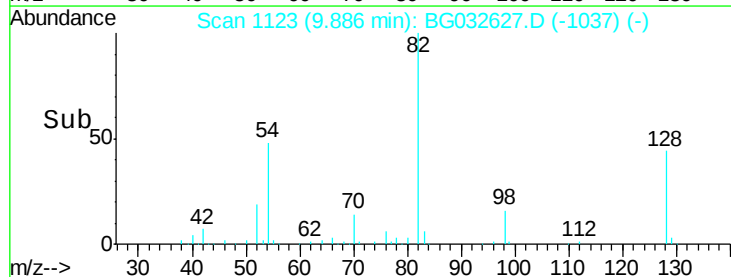
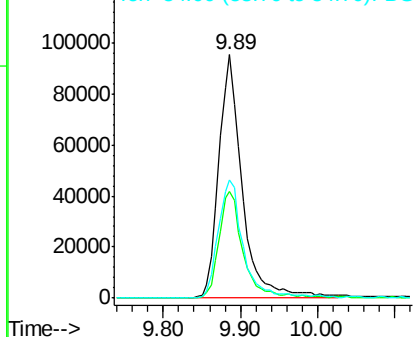


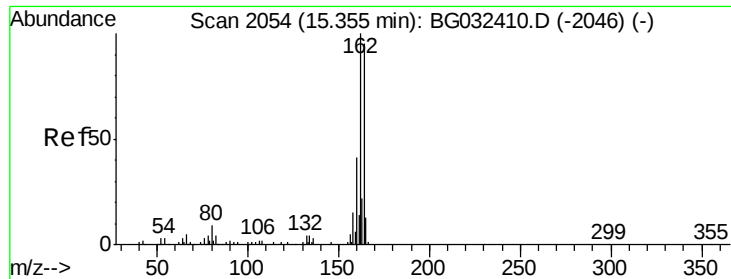
#23
Nitrobenzene-d5
Concen: 87.94 ng
RT: 9.89 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Tgt Ion:	82	Resp:	201613
Ion	Ratio	Lower	Upper
82	100		
128	43.7	29.7	44.5
54	48.4	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.33 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

Instrument :

BNA_G

ClientSampleId :

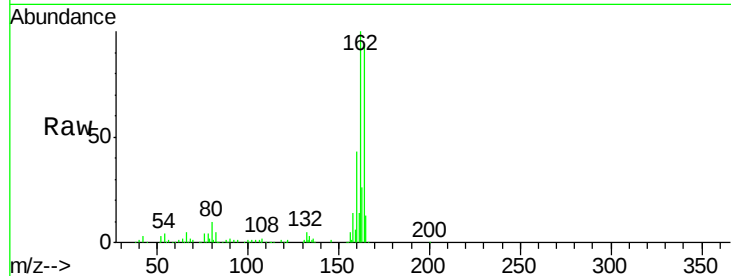
Tot Ion:164 Resp: 114758

Ion Ratio Lower Upper

164 100

162 106.9 78.8 118.2

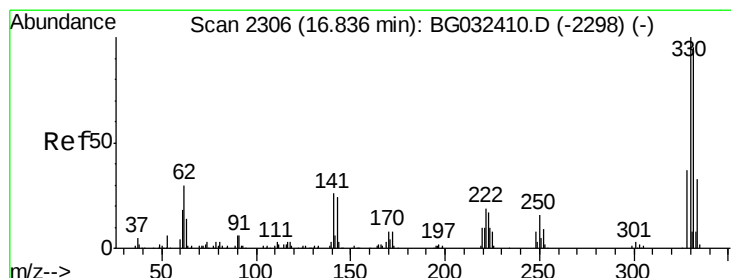
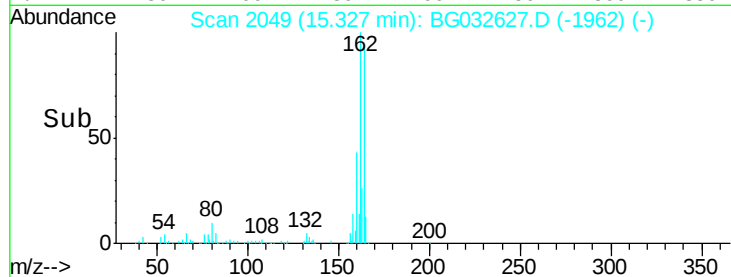
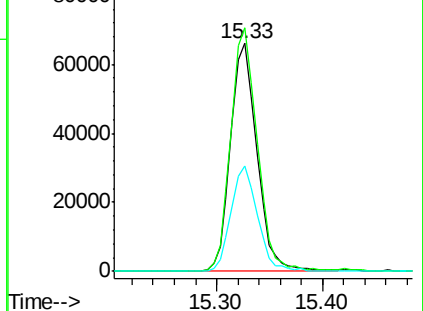
160 46.3 35.4 53.0



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: 122.85 ng

RT: 16.81 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

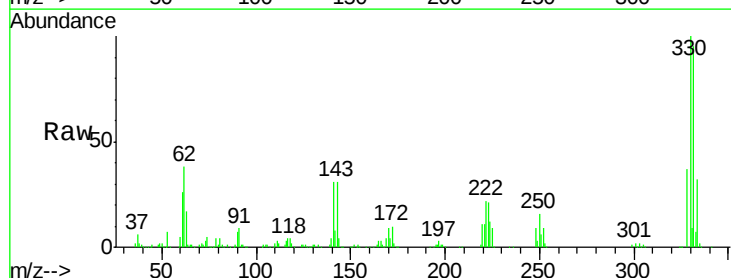
Tgt Ion:330 Resp: 268363

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

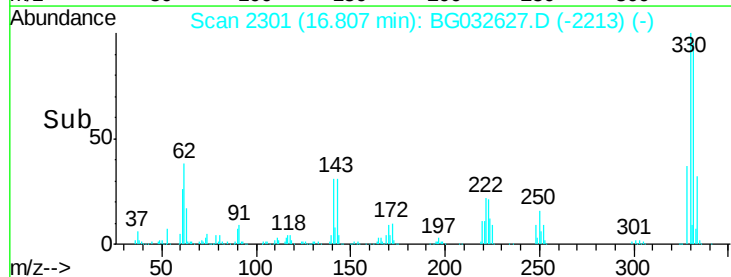
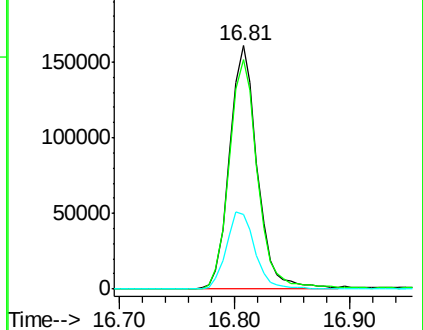
141 33.1 25.2 37.8

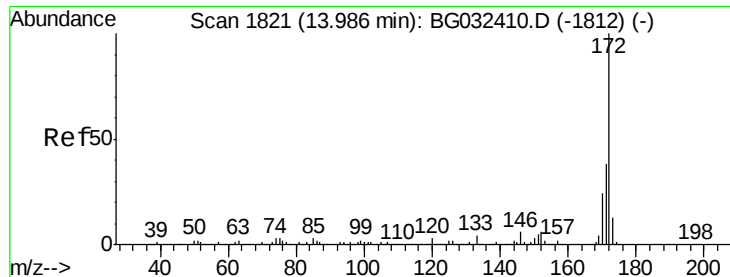


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

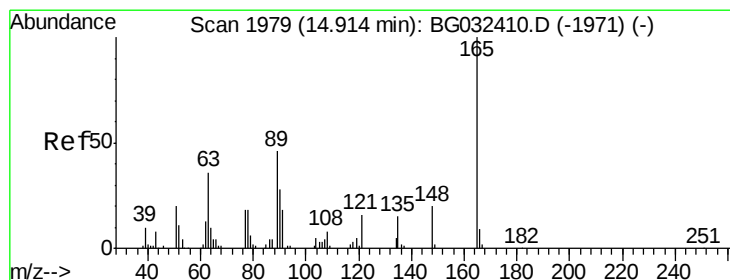
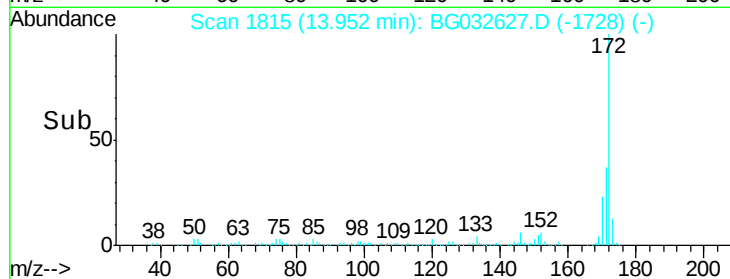
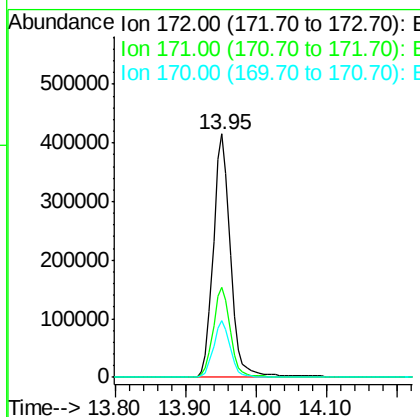
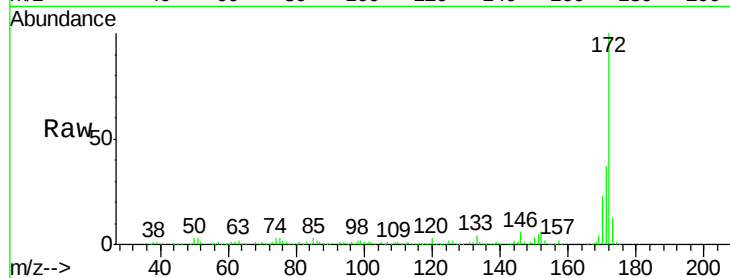




#44
 2-Fluorobiphenyl
 Concen: 73.28 ng
 RT: 13.95 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BG032627.D
 Acq: 9 Feb 2018 3:31

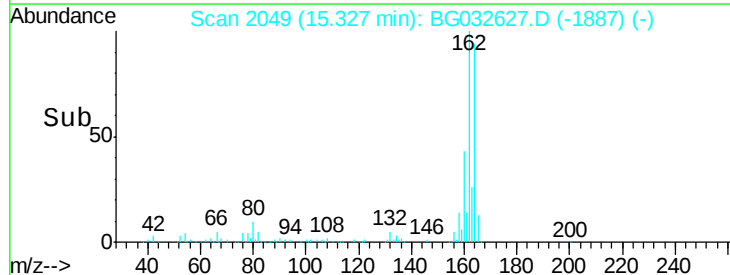
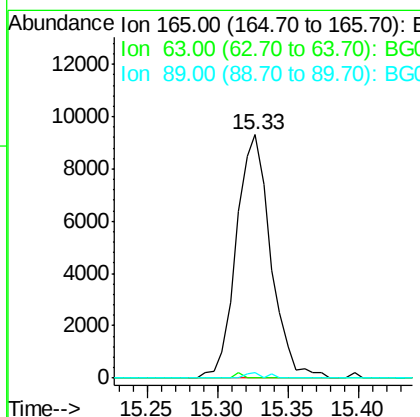
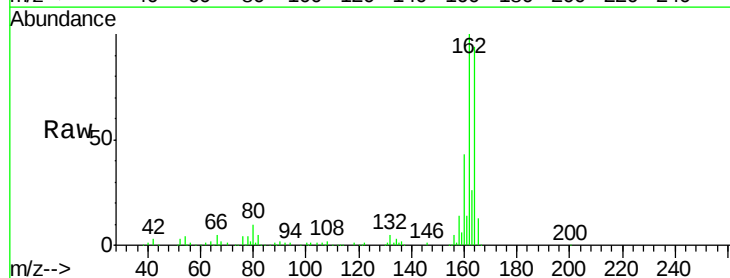
Instrument :
 BNA_G
 ClientSampleId :

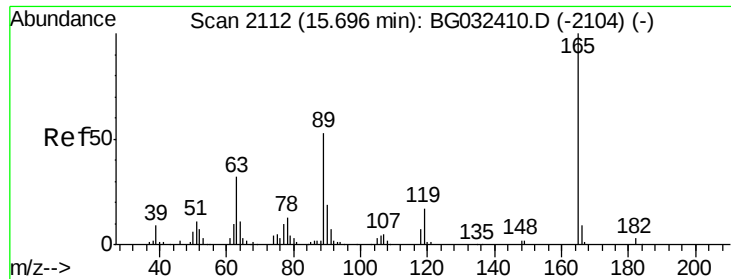
Tot Ion:172 Resp: 707560
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.12 ng
 RT: 15.33 min Scan# 2049
 Delta R.T. 0.42 min
 Lab File: BG032627.D
 Acq: 9 Feb 2018 3:31

Tgt Ion:165 Resp: 15809
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.1 49.2 73.8#

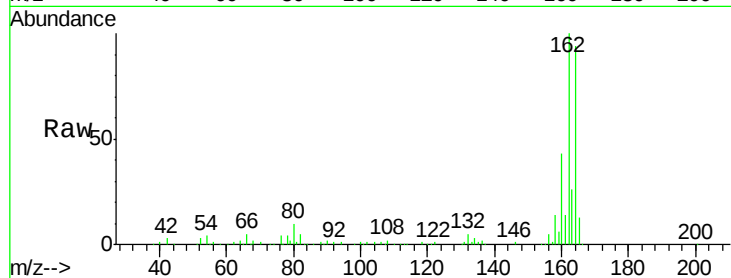




#56
 2,4-Dinitrotoluene
 Concen: 5.00 ng
 RT: 15.33 min Scan# 2049
 Delta R.T. -0.36 min
 Lab File: BG032627.D
 Acq: 9 Feb 2018 3:31

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

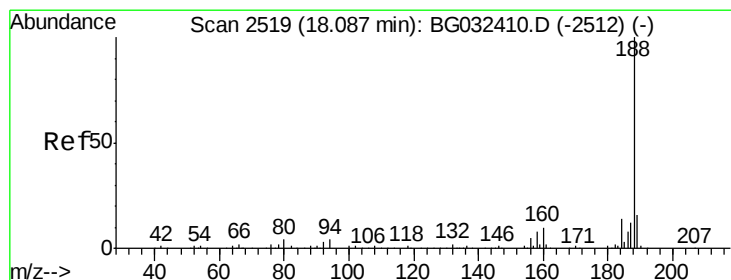
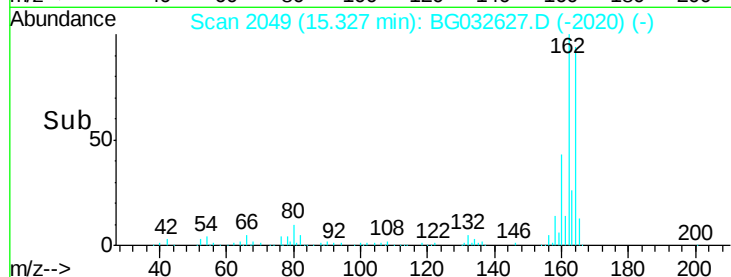
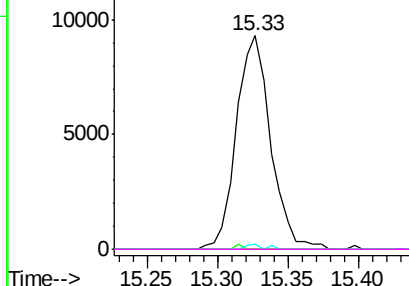


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

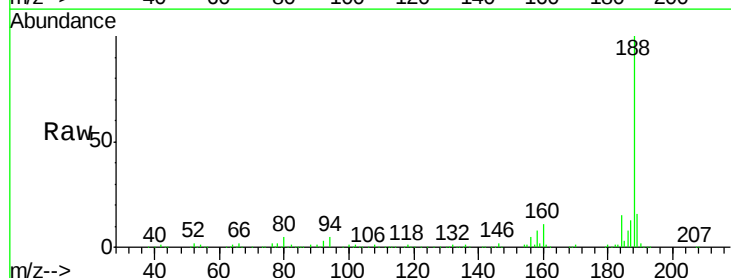
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BG032627.D
 Acq: 9 Feb 2018 3:31

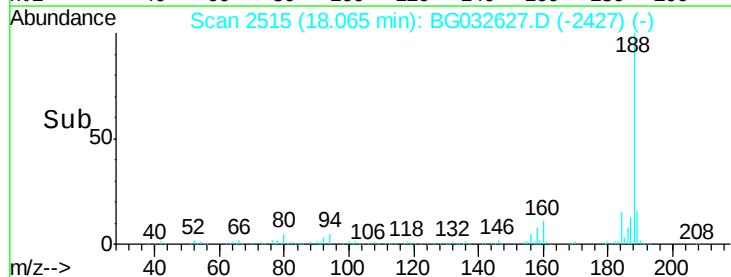
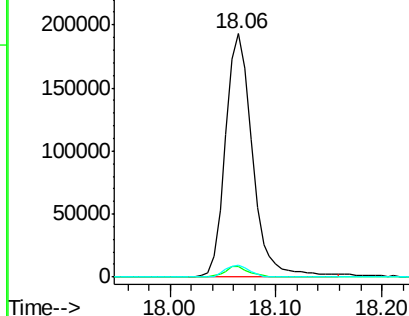
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.8	7.7	11.5#

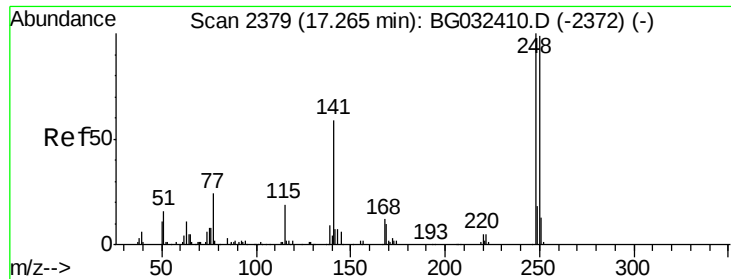


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

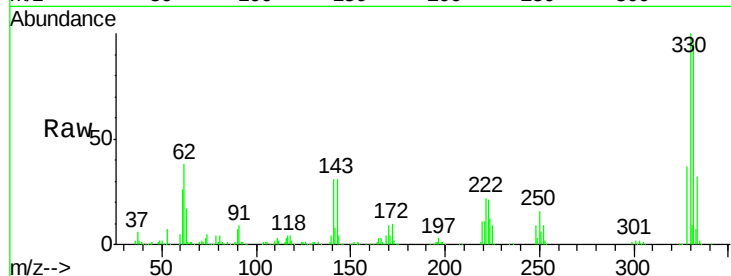




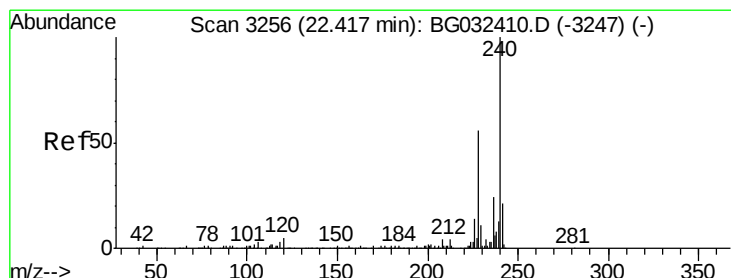
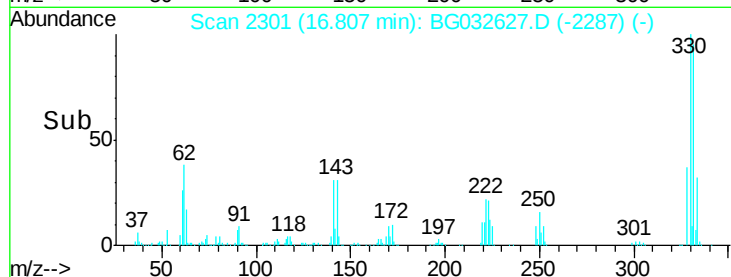
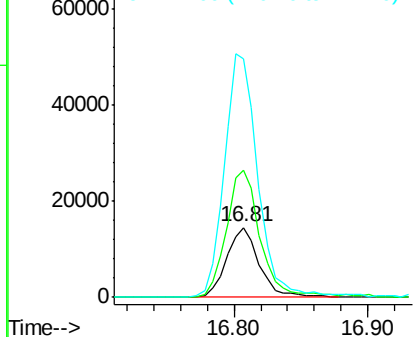
#66
4-Bromophenyl-phenylether
Concen: 4.87 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.45 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 24729
Ion Ratio Lower Upper
248 100
250 183.6 77.1 115.7#
141 343.1 50.8 76.2#

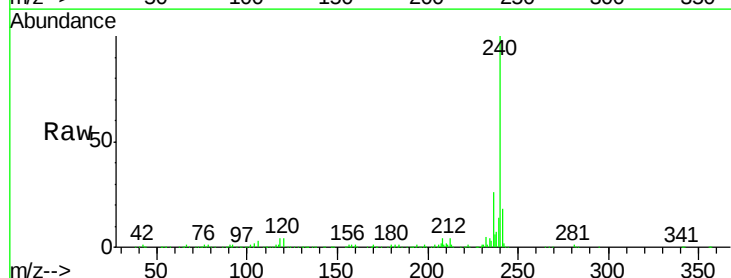


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

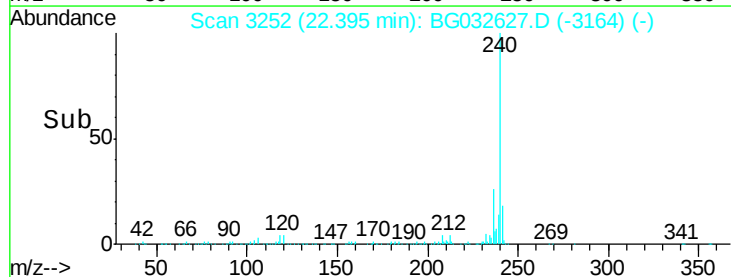
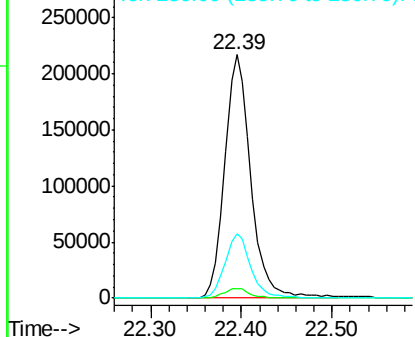


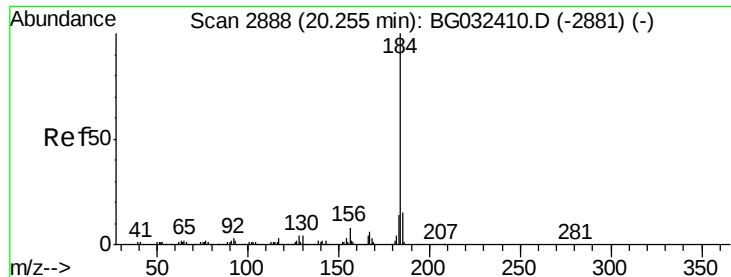
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.39 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Tgt Ion:240 Resp: 433386
Ion Ratio Lower Upper
240 100
120 3.9 6.8 10.2#
236 26.2 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: 3.05 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.36 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

Instrument :

BNA_G

ClientSampleId :

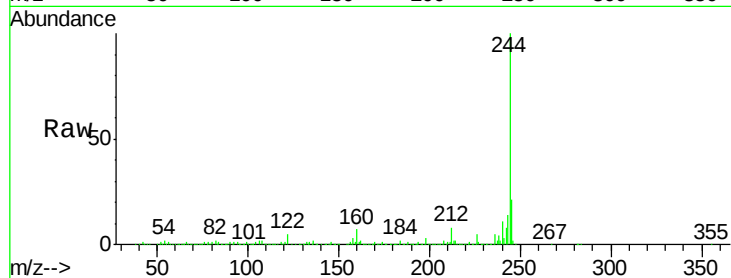
Tot Ion:184 Resp: 25934

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

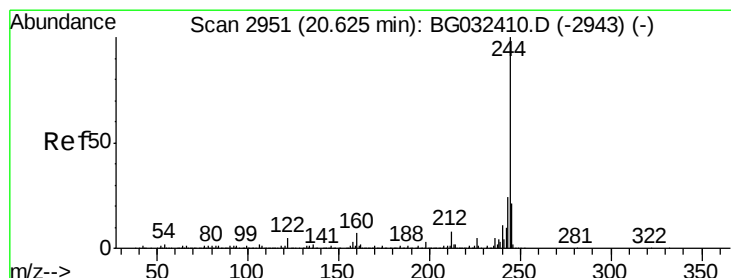
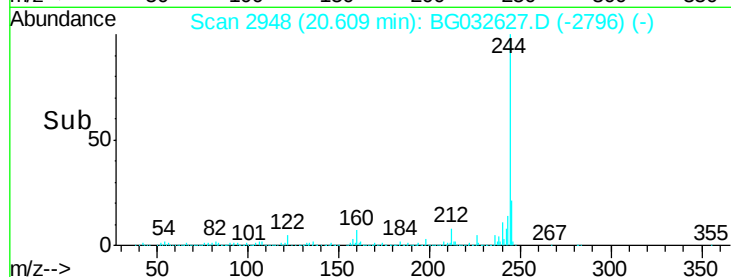
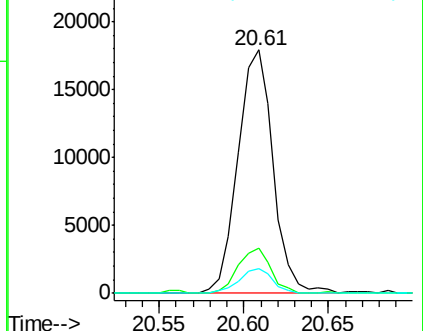
183 9.9 10.6 16.0#



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: 81.60 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG032627.D

Acq: 9 Feb 2018 3:31

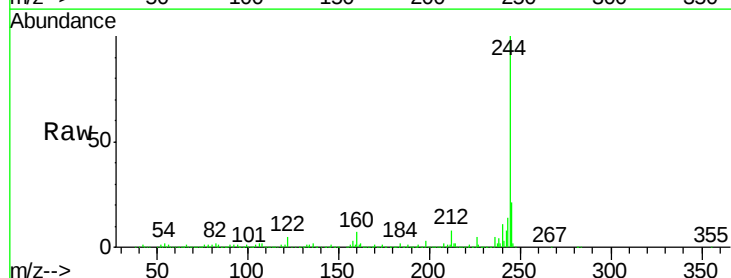
Tgt Ion:244 Resp: 1650947

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

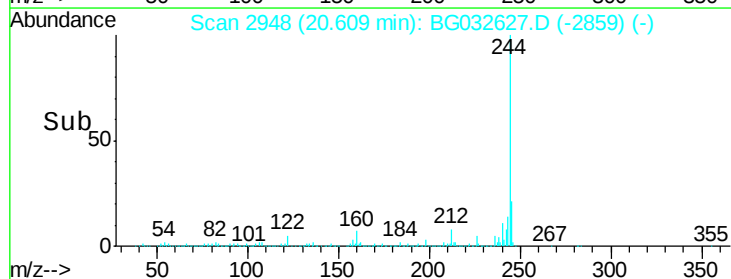
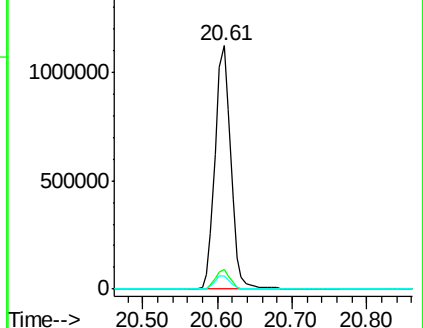
122 5.3 7.0 10.4#

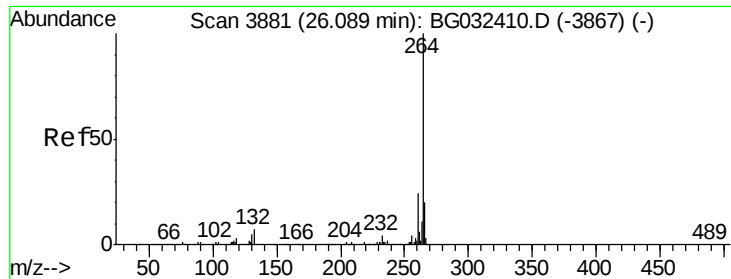


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.07 min Scan# 3877
Delta R.T. 0.00 min
Lab File: BG032627.D
Acq: 9 Feb 2018 3:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	24.2	17.7	26.5

