

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032477.D
 Acq On : 31 Jan 2018 22:24
 Operator : SJ/JU
 Sample : PB106224TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 01:40:56 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

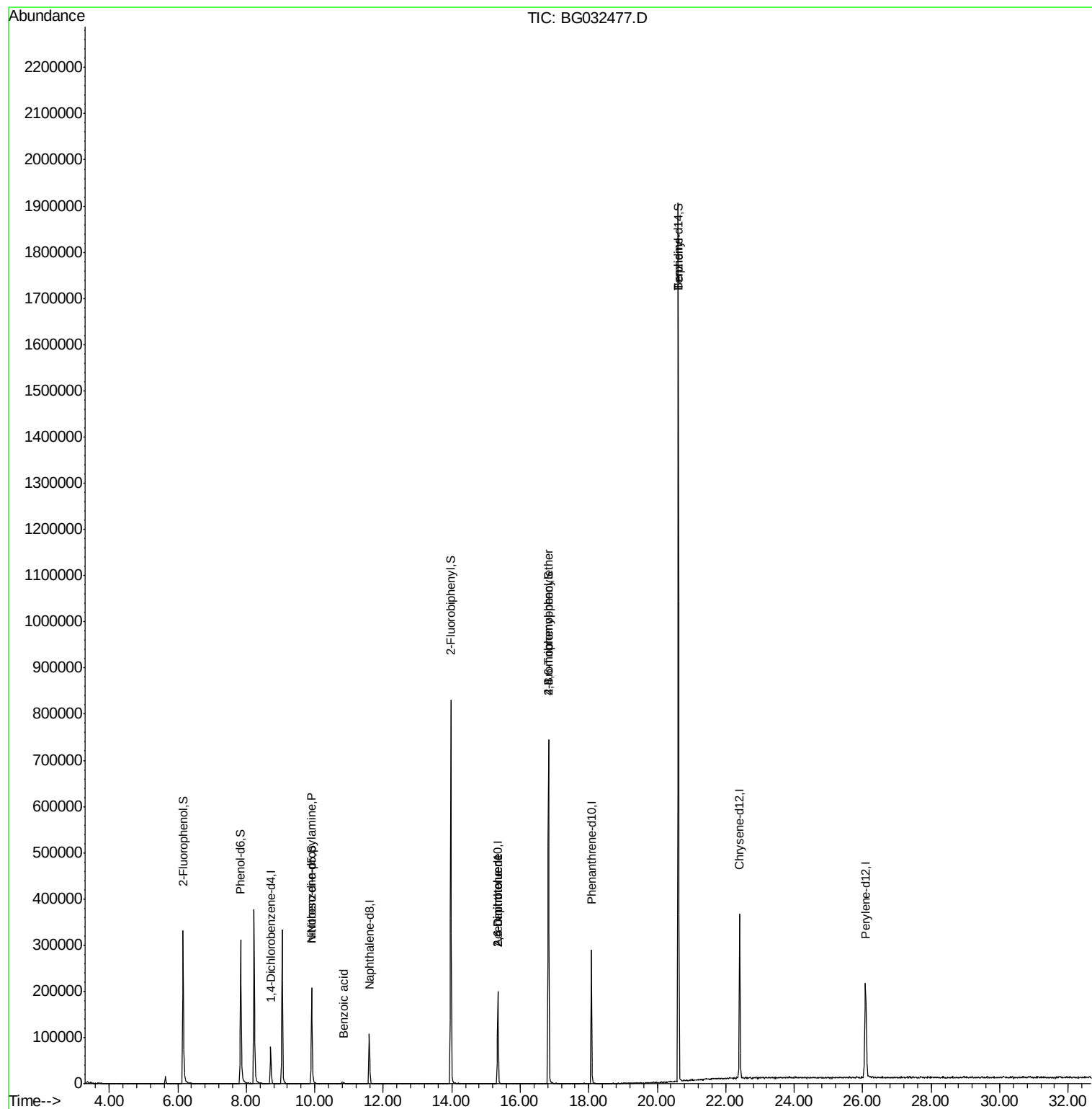
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28462	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	113021	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	78310	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	209324	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	268024	20.00	ng	-0.01
86) Perylene-d12	26.08	264	287687	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	183690	129.63	ng	0.00
7) Phenol-d6	7.84	99	220273	116.49	ng	0.00
23) Nitrobenzene-d5	9.91	82	138135	76.34	ng	-0.01
41) 2,4,6-Tribromophenol	16.83	330	183387	123.03	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	519489	78.85	ng	-0.02
78) Terphenyl-d14	20.61	244	1035756	82.78	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	20606	16.435	ng	# 67
32) Benzoic acid	10.85	122	329	7.530	ng	# 79
50) 2,6-Dinitrotoluene	15.34	165	9877	6.517	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9877	4.577	ng	# 16
66) 4-Bromophenyl-phenylether	16.83	248	14548	4.691	ng	# 1
76) Benzidine	20.61	184	14835	2.819	ng	# 95

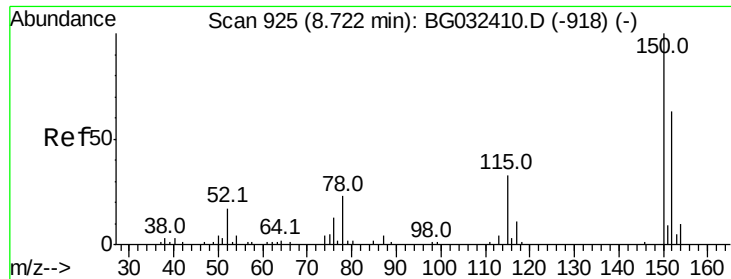
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 15:32:55 2018
Response via : Initial Calibration



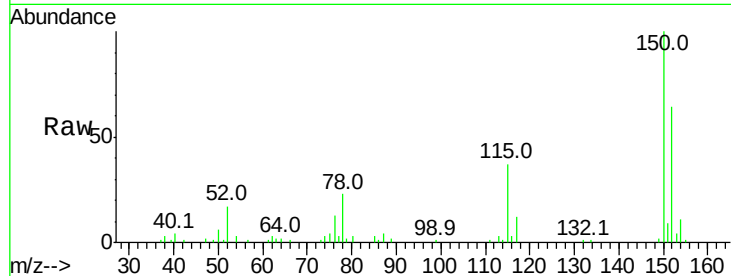


#1

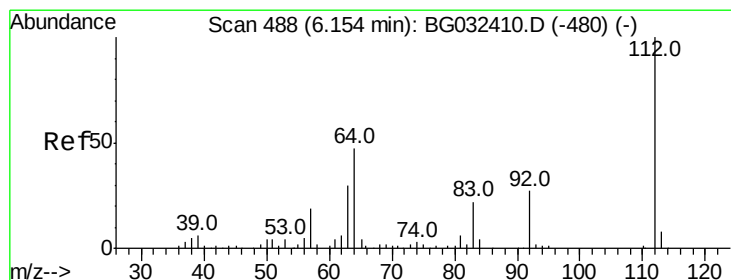
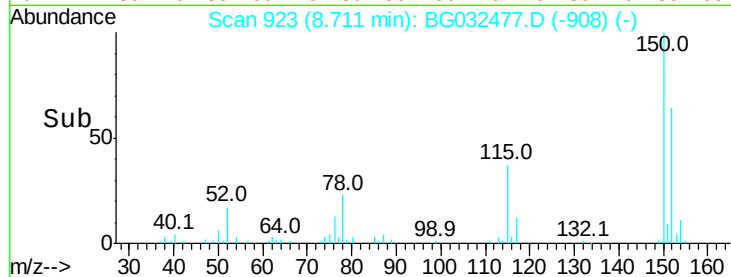
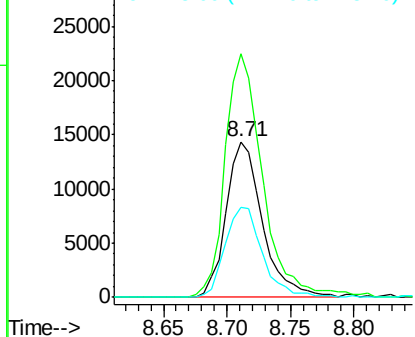
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28462
Ion Ratio Lower Upper
152 100
150 156.4 126.6 189.8
115 57.7 53.0 79.4



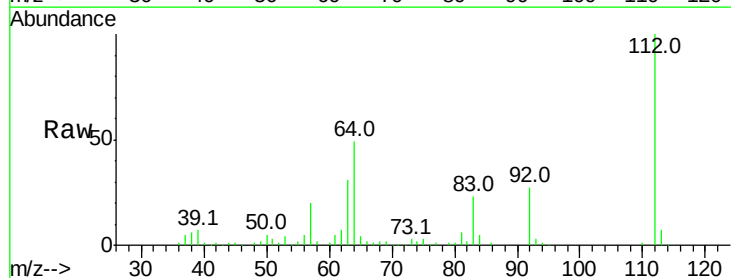
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



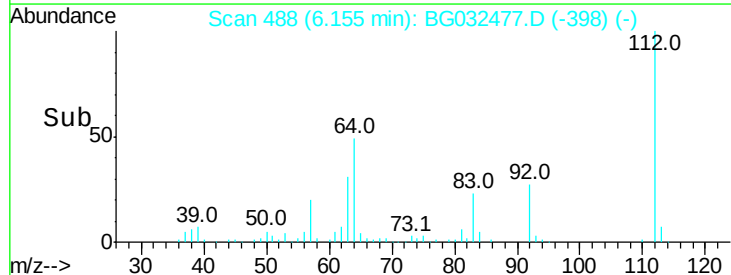
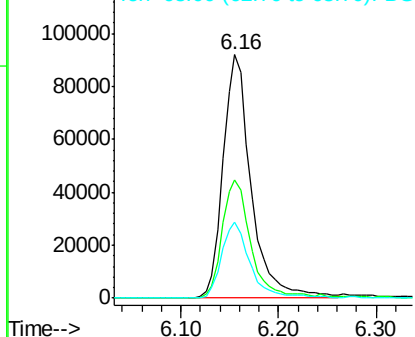
#5

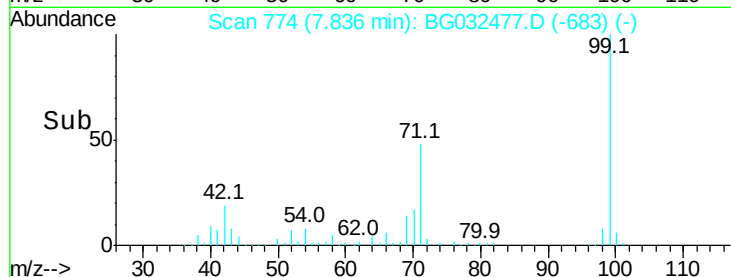
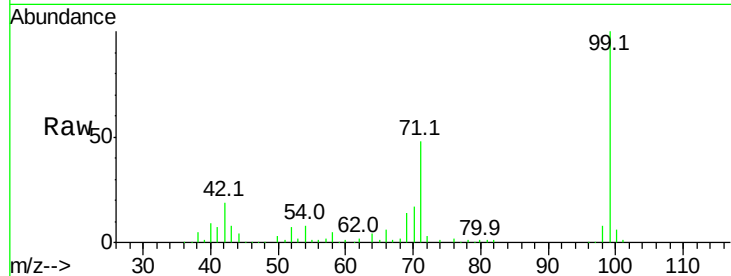
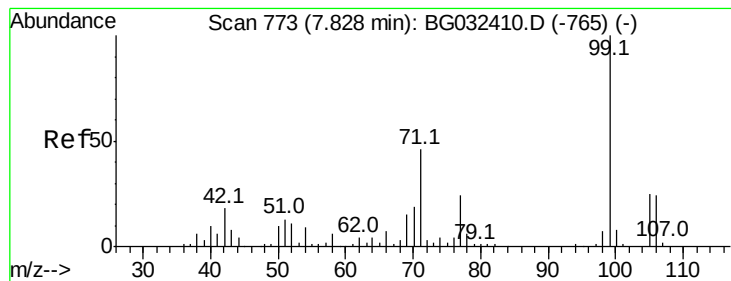
2-Fluorophenol
Concen: 129.630 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Tgt Ion:112 Resp: 183690
Ion Ratio Lower Upper
112 100
64 48.7 56.3 84.5#
63 31.0 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: 116.490 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

Instrument :

BNA_G

ClientSampleId :

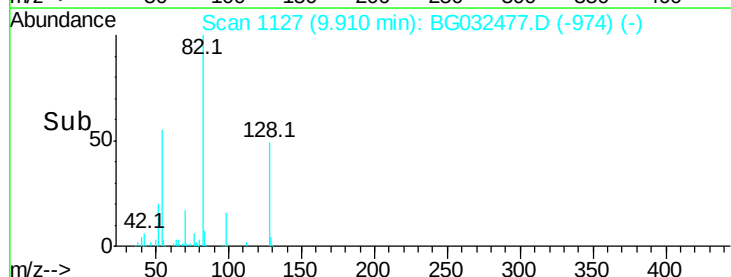
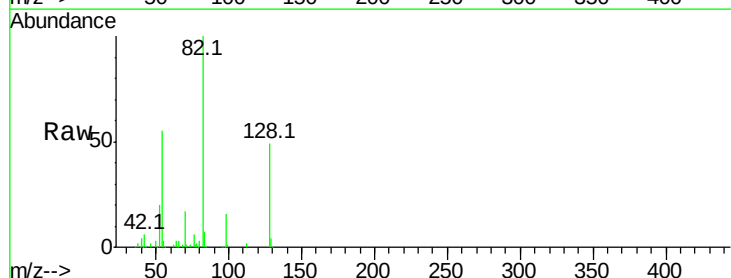
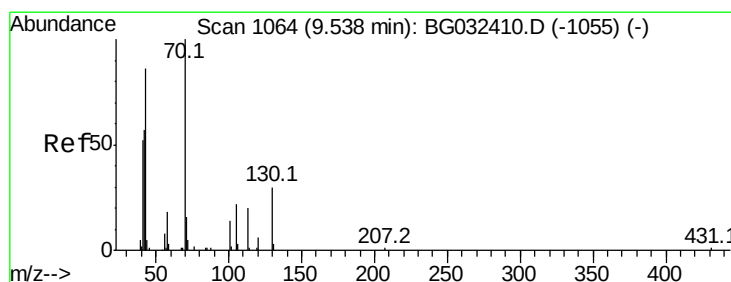
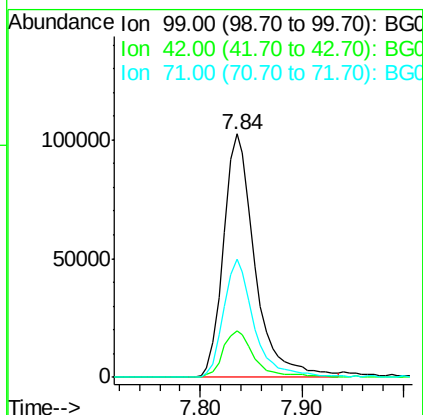
Tot Ion: 99 Resp: 220273

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

71 48.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.435 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

Tgt Ion: 70 Resp: 20606

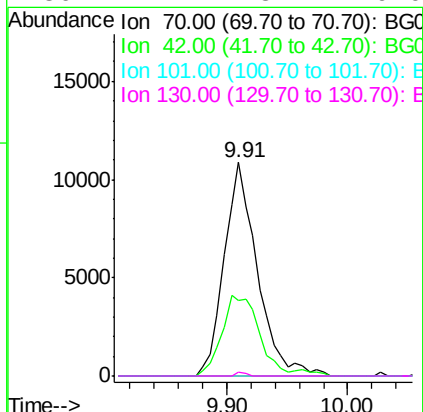
Ion Ratio Lower Upper

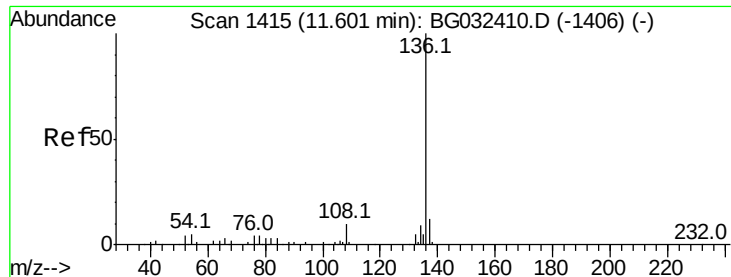
70 100

42 35.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

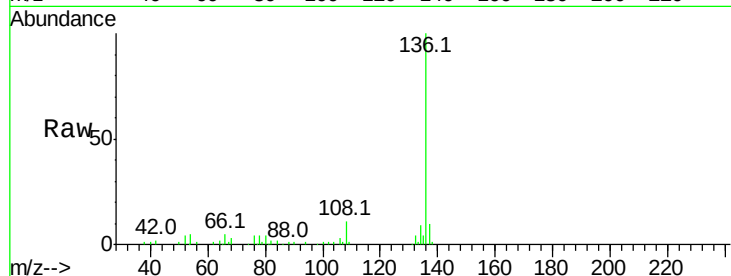




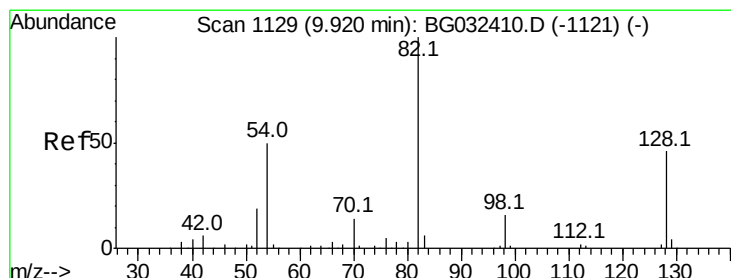
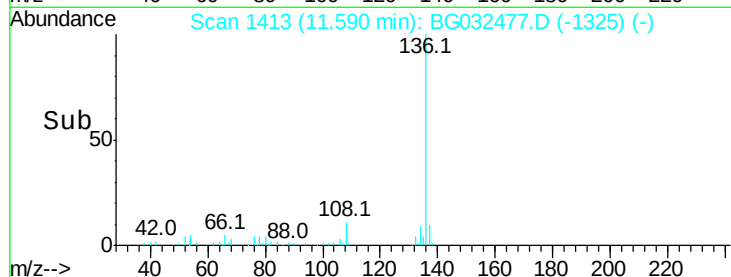
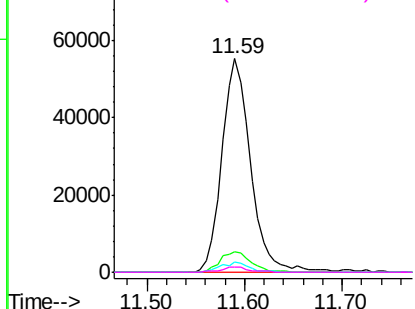
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 113021
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 4.8 10.3 15.5#
68 2.6 4.5 6.7#

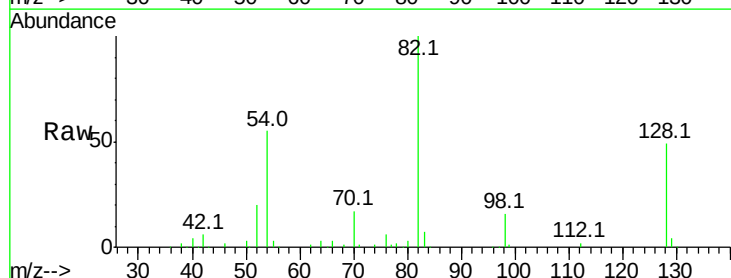


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

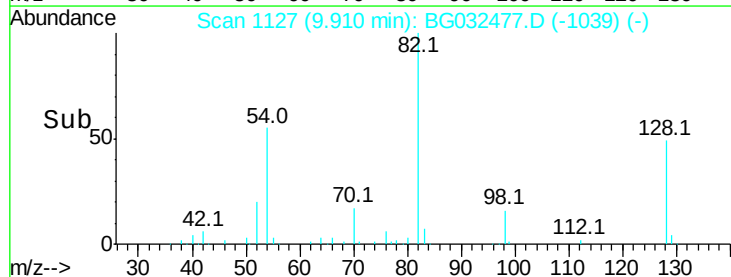
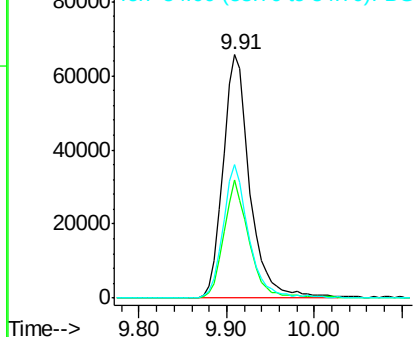


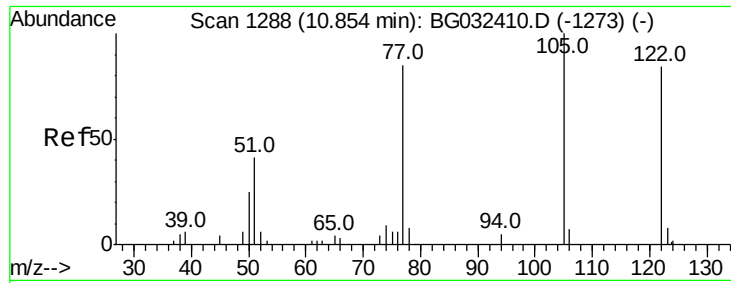
#23
Nitrobenzene-d5
Concen: 76.340 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Tgt Ion: 82 Resp: 138135
Ion Ratio Lower Upper
82 100
128 48.8 29.7 44.5#
54 55.0 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

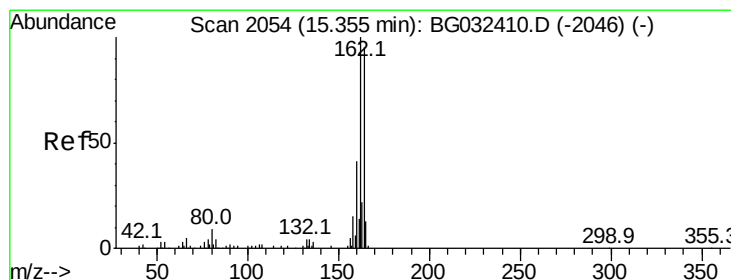
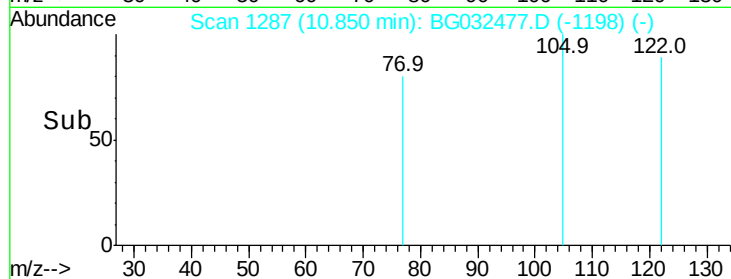
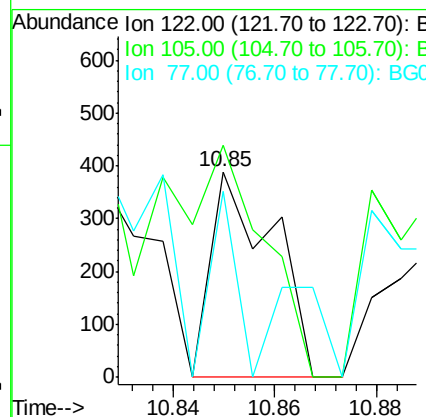
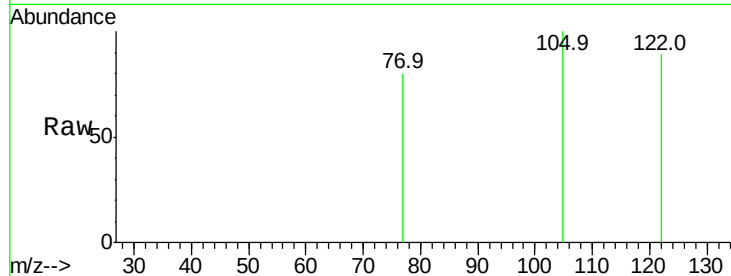




#32
Benzoic acid
Concen: 7.530 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

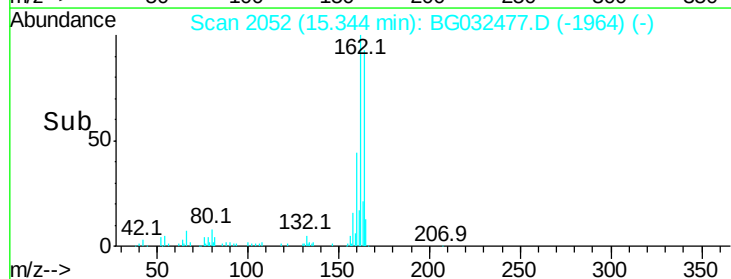
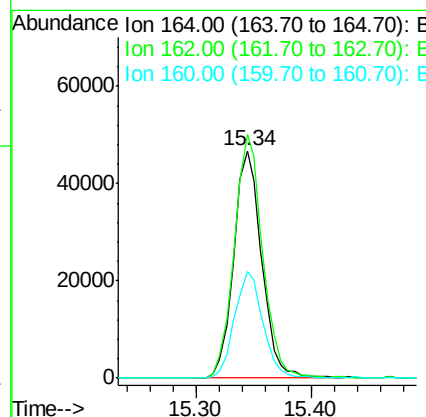
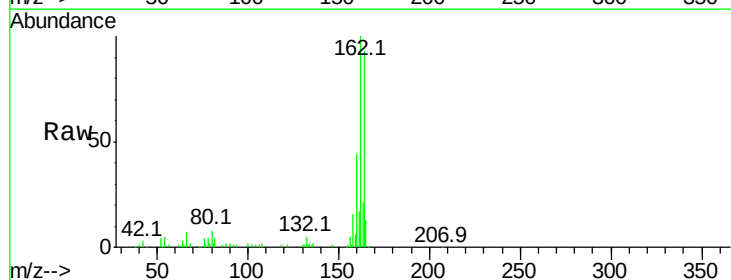
Instrument :
BNA_G
ClientSampleId :

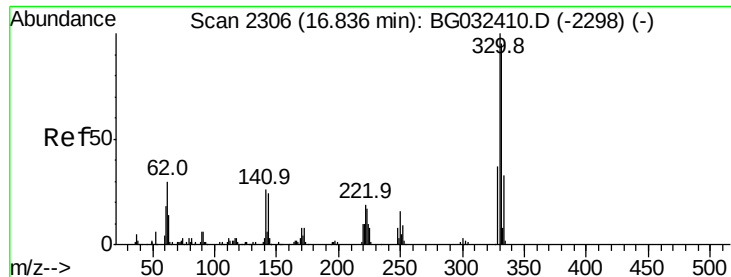
Tot Ion:122 Resp: 329
Ion Ratio Lower Upper
122 100
105 112.9 123.5 163.5#
77 90.2 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Tgt Ion:164 Resp: 78310
Ion Ratio Lower Upper
164 100
162 107.2 78.8 118.2
160 46.8 35.4 53.0

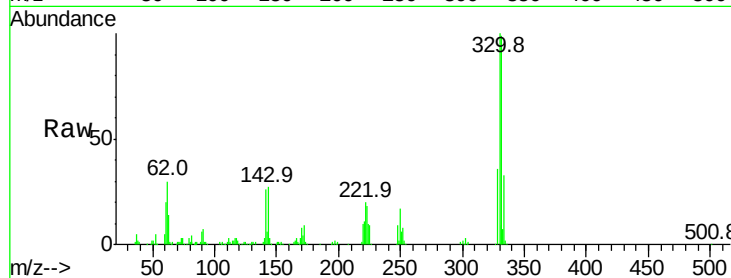




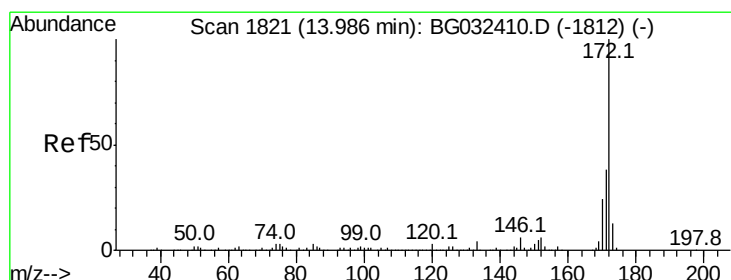
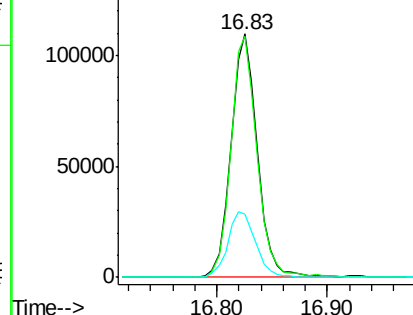
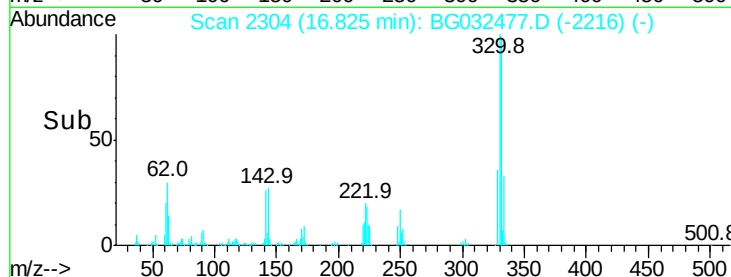
#41
 2,4,6-Tribromophenol
 Concen: 123.026 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032477.D
 Acq: 31 Jan 2018 22:24

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 183387
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 28.3 25.2 37.8

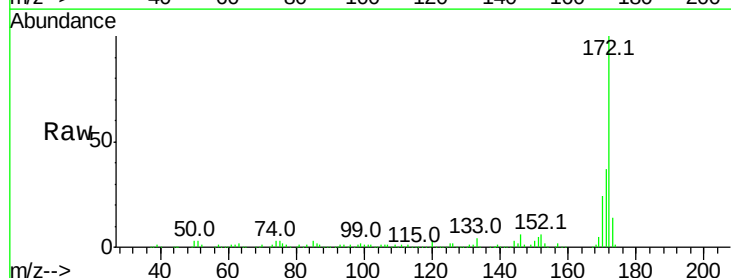


Abundance Ion 329.80 (329.50 to 330.50): E
 150000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

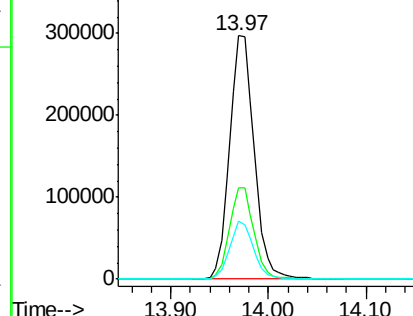
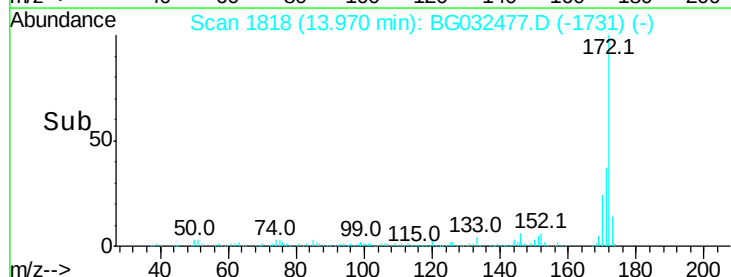


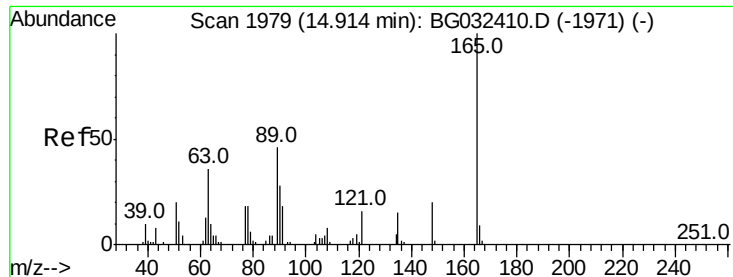
#44
 2-Fluorobiphenyl
 Concen: 78.847 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032477.D
 Acq: 31 Jan 2018 22:24

Tgt Ion:172 Resp: 519489
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 23.8 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 400000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

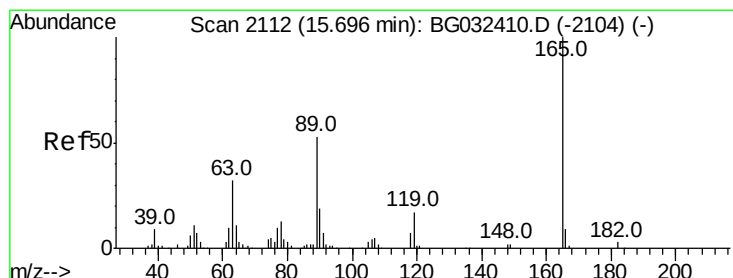
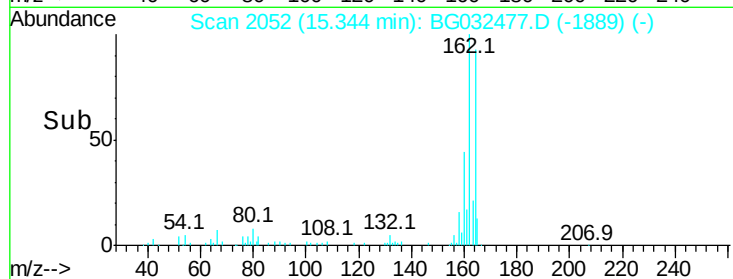
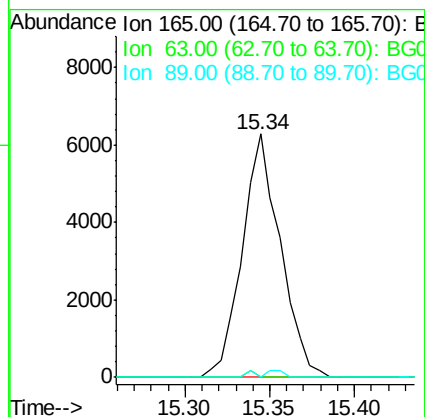
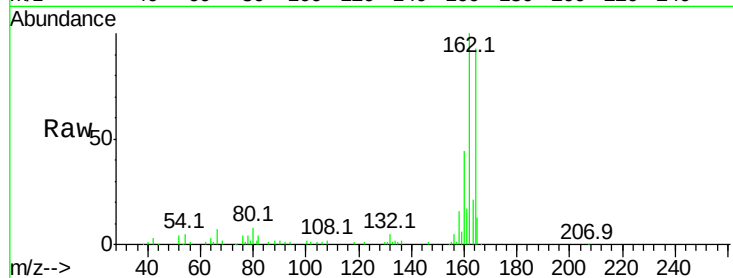




#50
2,6-Dinitrotoluene
Concen: 6.517 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

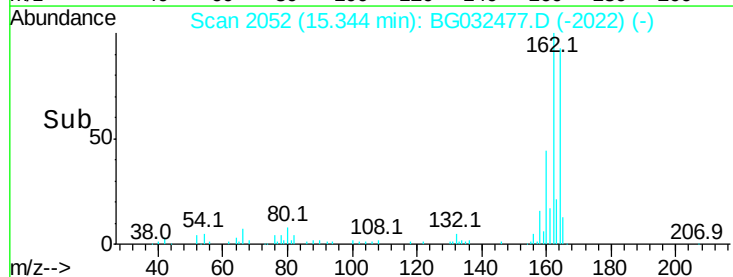
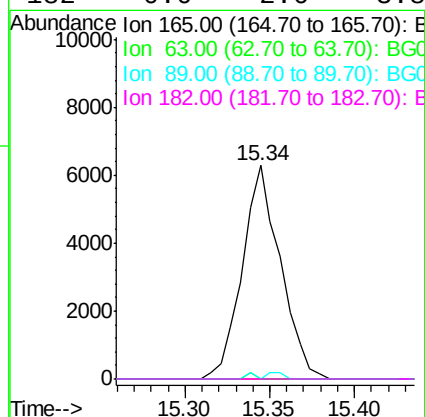
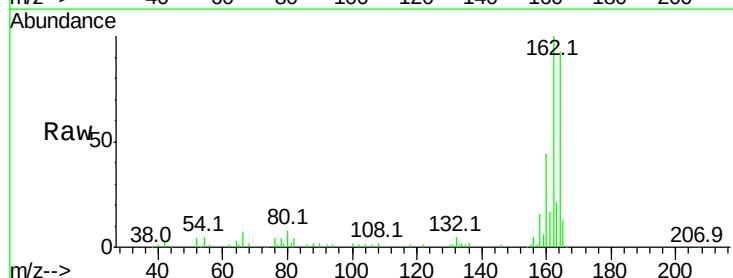
Instrument :
BNA_G
ClientSampleId :

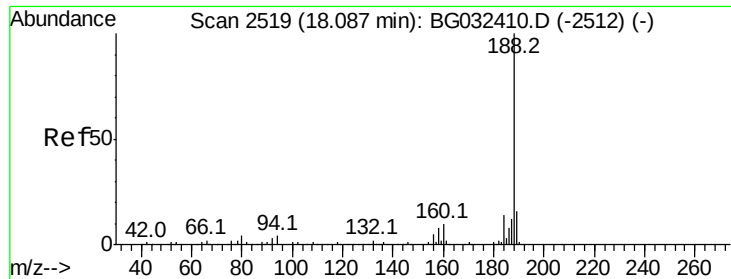
Tot Ion:165 Resp: 9877
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.577 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032477.D
Acq: 31 Jan 2018 22:24

Tgt Ion:165 Resp: 9877
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

Instrument :

BNA_G

ClientSampleId :

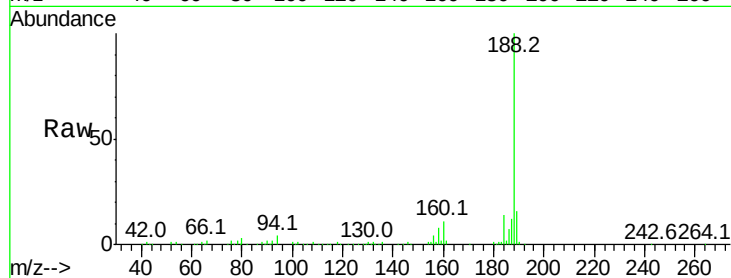
Tot Ion:188 Resp: 209324

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

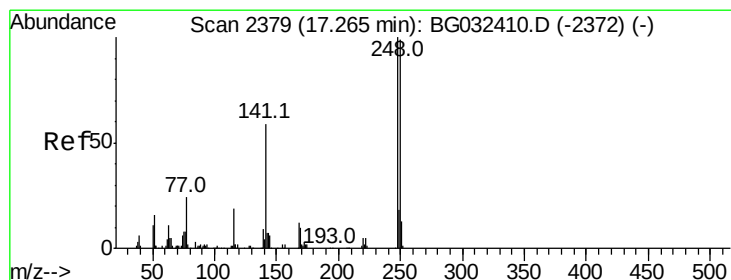
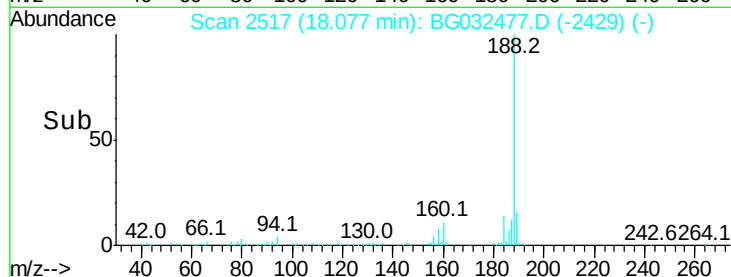
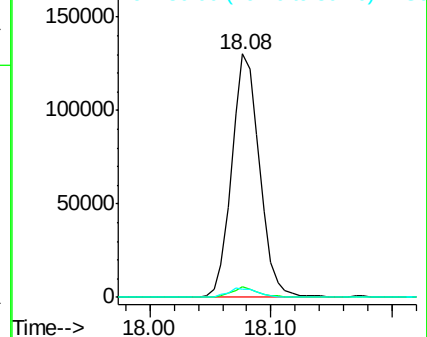
80 3.4 7.7 11.5#



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: 4.691 ng

RT: 16.83 min Scan# 2304

Delta R.T. -0.44 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

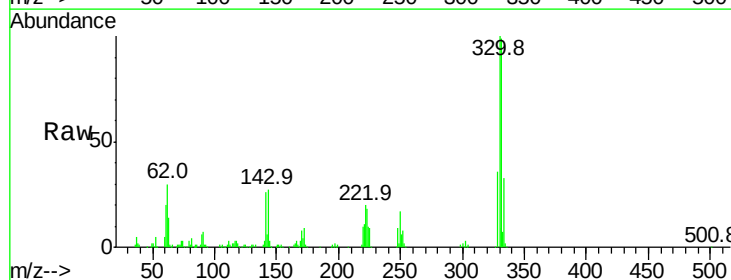
Tgt Ion:248 Resp: 14548

Ion Ratio Lower Upper

248 100

250 196.3 77.1 115.7#

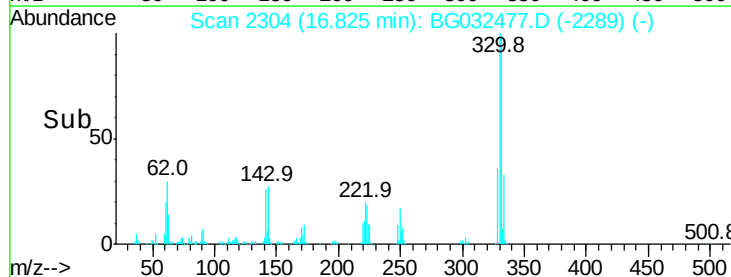
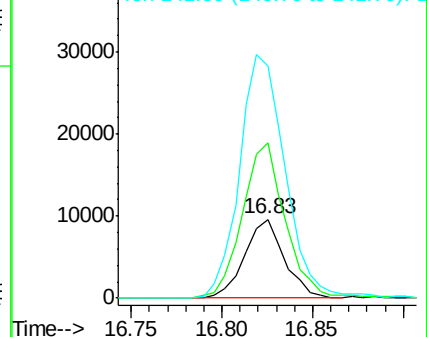
141 293.9 50.8 76.2#

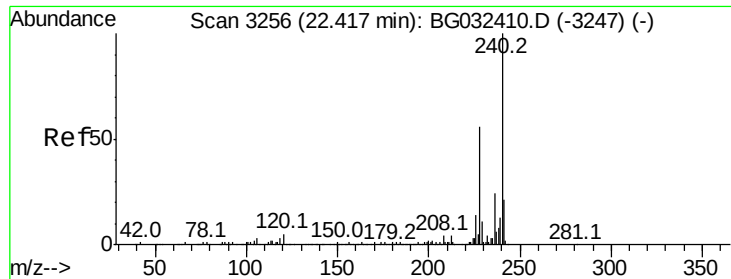


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

Instrument :

BNA_G

ClientSampleId :

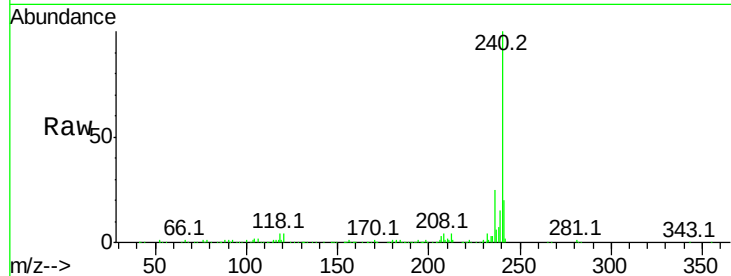
Tot Ion:240 Resp: 268024

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

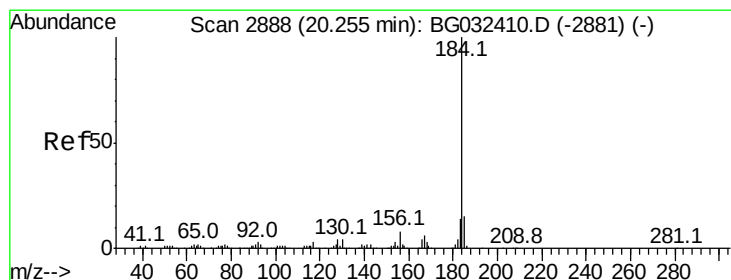
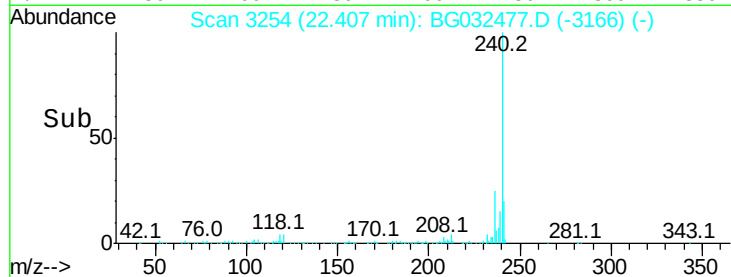
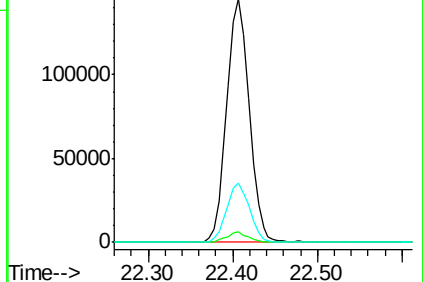
236 24.5 20.9 31.3



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: 2.819 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

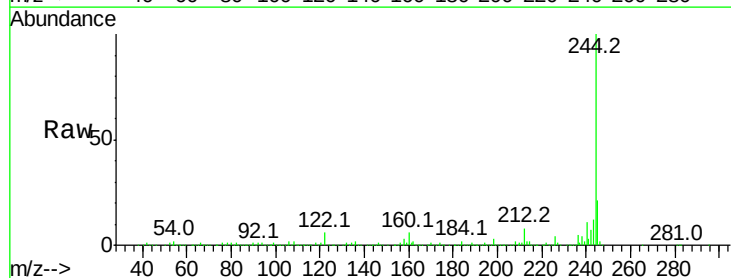
Tgt Ion:184 Resp: 14835

Ion Ratio Lower Upper

184 100

185 13.6 11.1 16.7

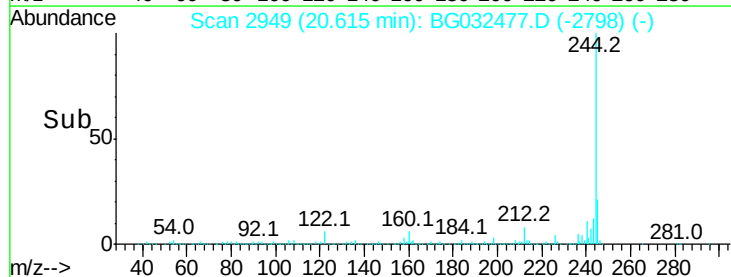
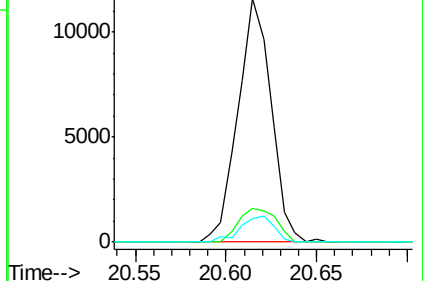
183 9.5 10.6 16.0#

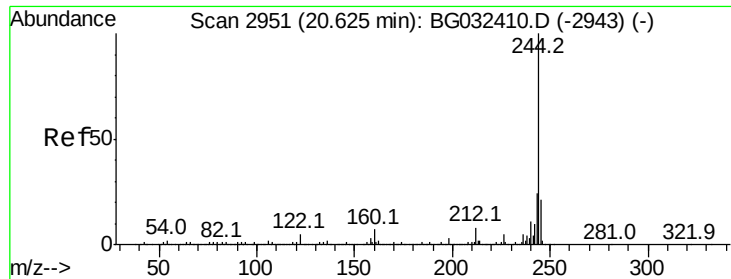


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.779 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

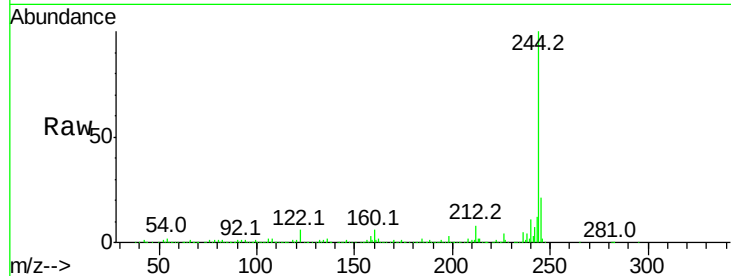
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1035756

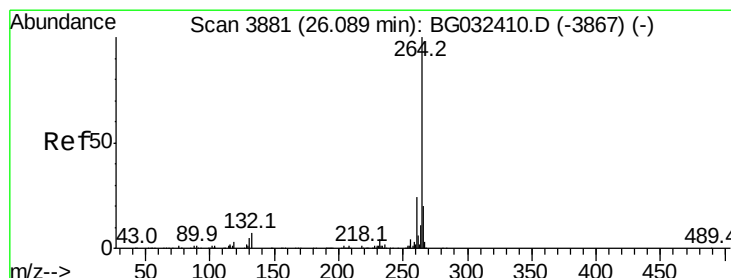
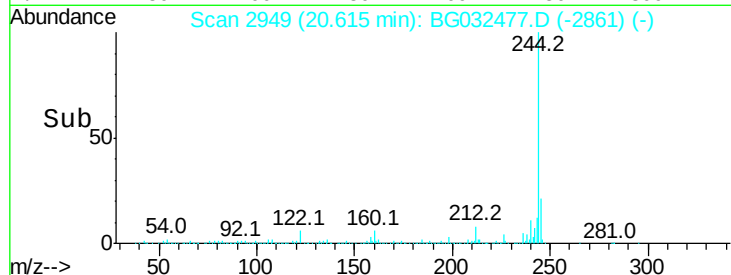
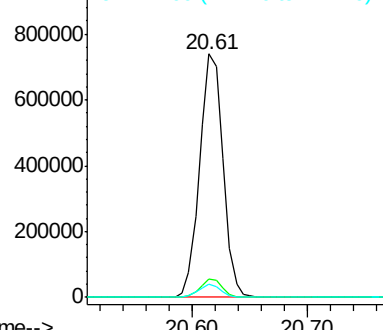
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	5.6	7.0	10.4



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: 26.08 min Scan# 3880

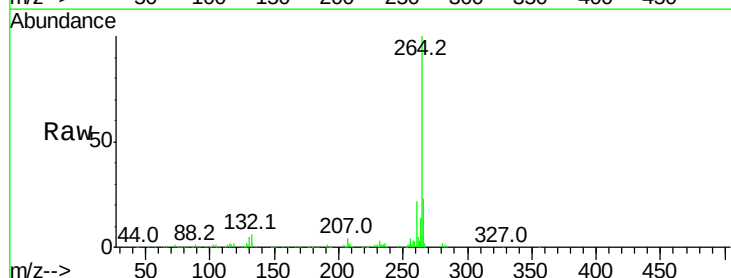
Delta R.T. -0.00 min

Lab File: BG032477.D

Acq: 31 Jan 2018 22:24

Tgt Ion:264 Resp: 287687

Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.4	26.0
265	23.3	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

