

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\
 Data File : BG032608.D
 Acq On : 8 Feb 2018 00:06
 Operator : SJ/JU
 Sample : PB106365TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 08 03:48:30 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

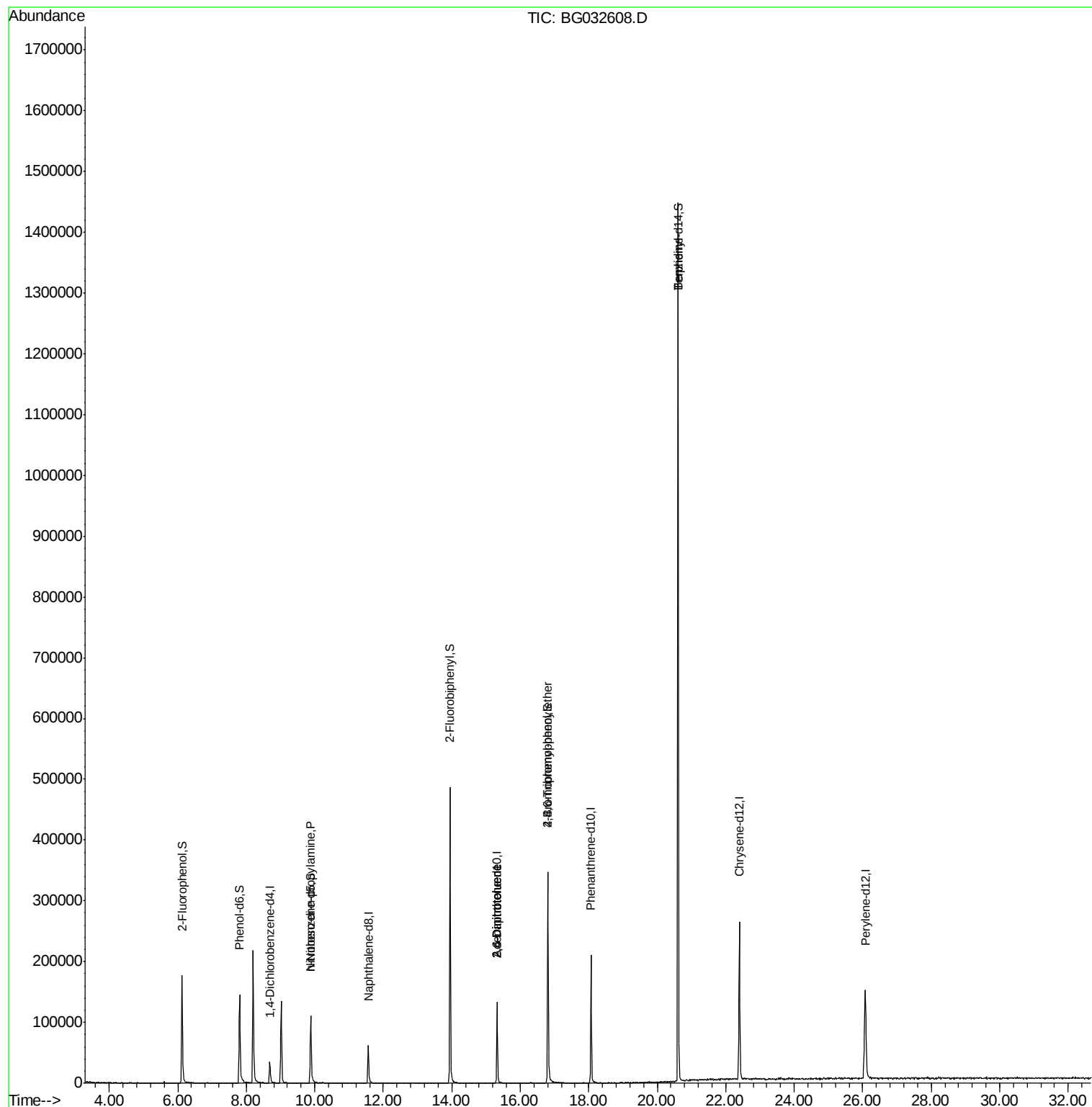
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	15301	20.00	ng	-0.02
21) Naphthalene-d8	11.56	136	72245	20.00	ng	-0.02
38) Acenaphthene-d10	15.33	164	55564	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	155619	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	209058	20.00	ng	-0.01
86) Perylene-d12	26.07	264	222548	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	99017	129.98	ng	-0.02
7) Phenol-d6	7.81	99	110930	109.12	ng	-0.02
23) Nitrobenzene-d5	9.88	82	80661	69.74	ng	-0.03
41) 2,4,6-Tribromophenol	16.81	330	96546	91.28	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	311879	66.71	ng	-0.02
78) Terphenyl-d14	20.61	244	829432	84.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.89	70	11499	17.06	ng	# 71
50) 2,6-Dinitrotoluene	15.33	165	6757	6.28	ng	# 18
56) 2,4-Dinitrotoluene	15.33	165	6757	4.41	ng	# 16
66) 4-Bromophenyl-phenylether	16.80	248	7441	3.23	ng	# 1
76) Benzidine	20.61	184	11675	2.84	ng	# 94

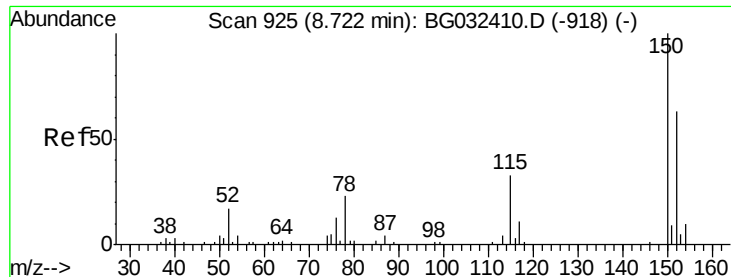
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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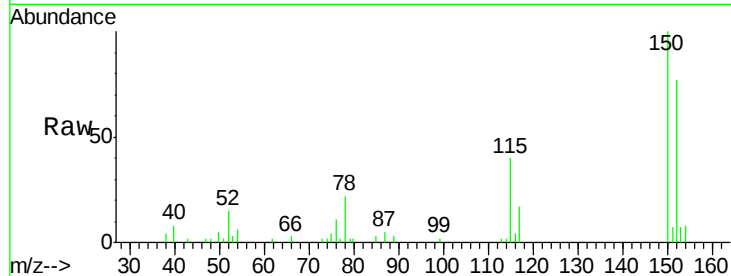


#1

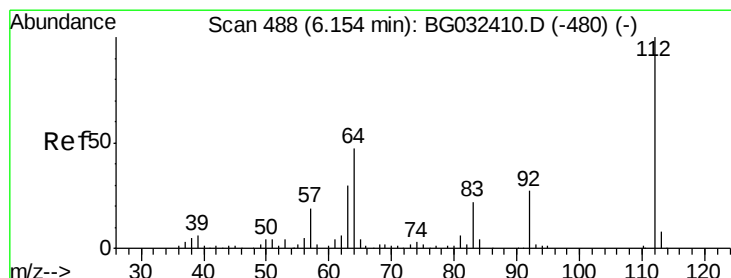
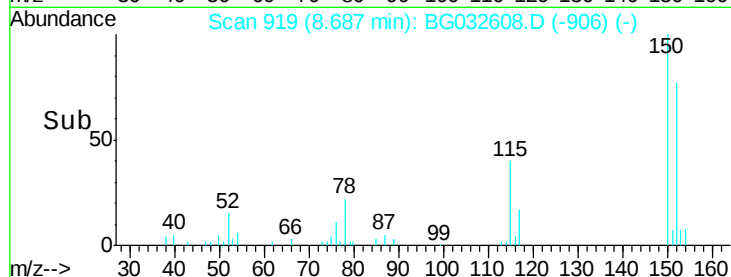
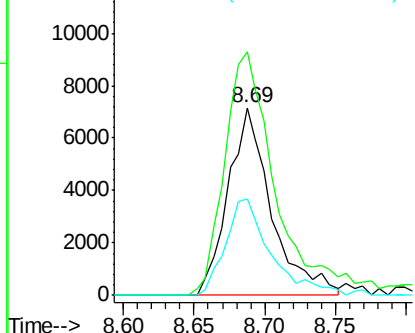
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 919
Delta R.T. -0.02 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 15301
Ion Ratio Lower Upper
152 100
150 130.0 126.6 189.8
115 51.8 53.0 79.4#



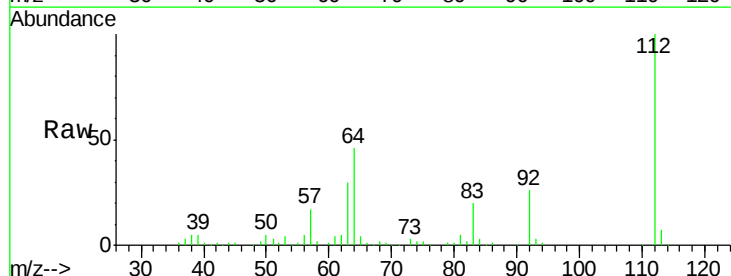
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



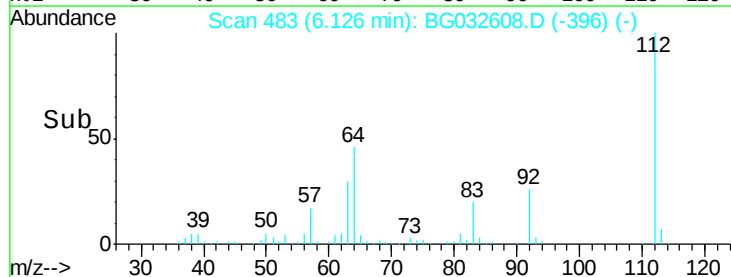
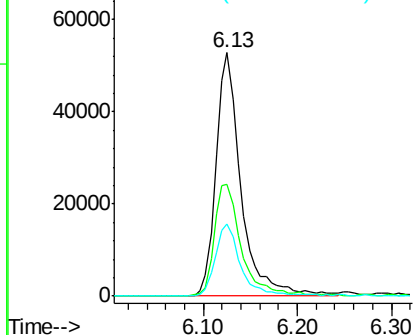
#5

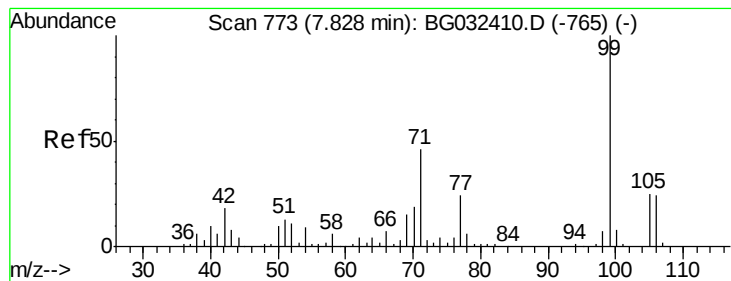
2-Fluorophenol
Concen: 129.98 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Tgt Ion:112 Resp: 99017
Ion Ratio Lower Upper
112 100
64 45.9 56.3 84.5#
63 29.8 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: 109.12 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG032608.D

Acq: 8 Feb 2018 00:06

Instrument :

BNA_G

ClientSampleId :

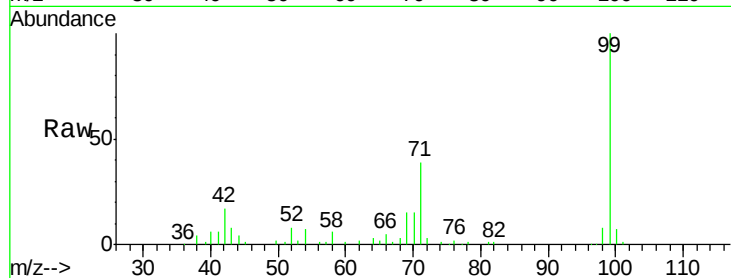
Tot Ion: 99 Resp: 110930

Ion Ratio Lower Upper

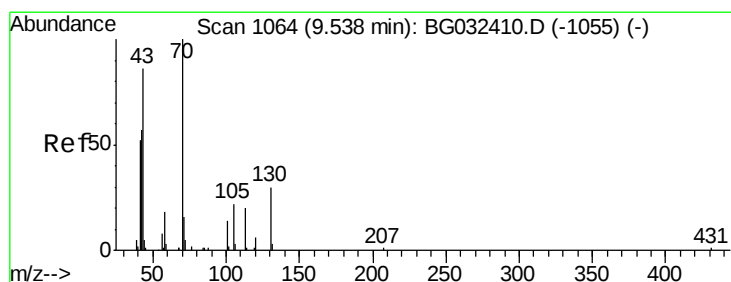
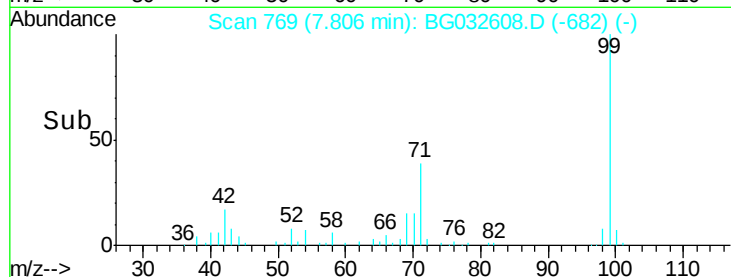
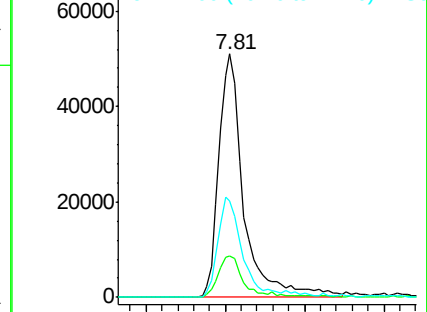
99 100

42 16.9 14.1 21.1

71 39.4 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: 17.06 ng

RT: 9.89 min Scan# 1123

Delta R.T. 0.37 min

Lab File: BG032608.D

Acq: 8 Feb 2018 00:06

Tgt Ion: 70 Resp: 11499

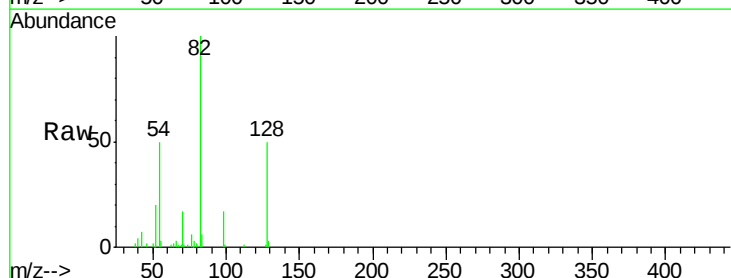
Ion Ratio Lower Upper

70 100

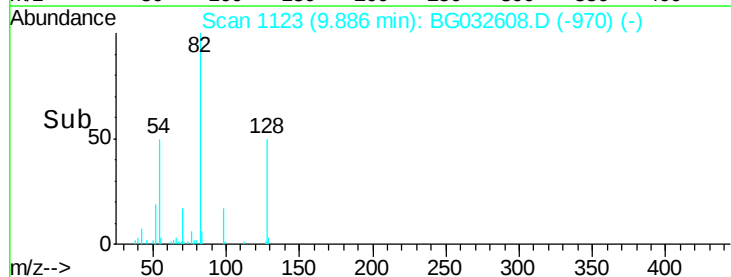
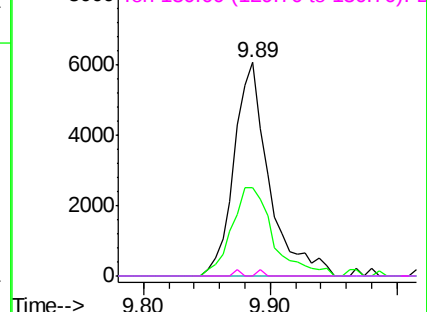
42 41.5 49.1 73.7#

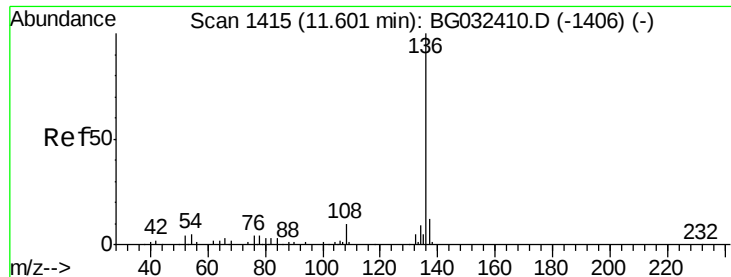
101 0.0 8.5 12.7#

130 0.0 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

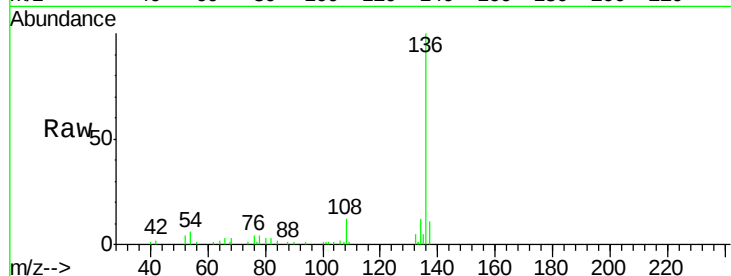




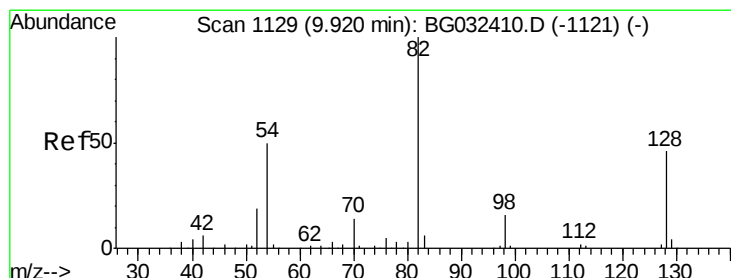
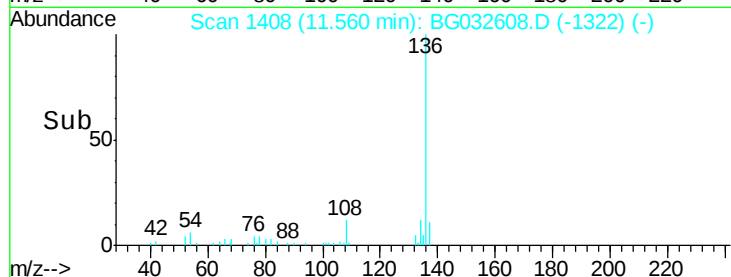
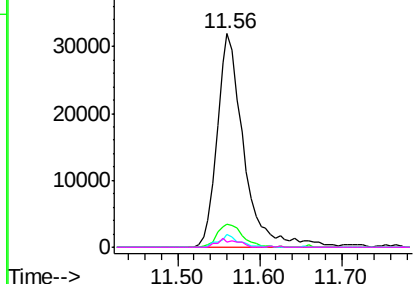
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	72245
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	6.1	10.3 15.5#
68	2.5	4.5 6.7#

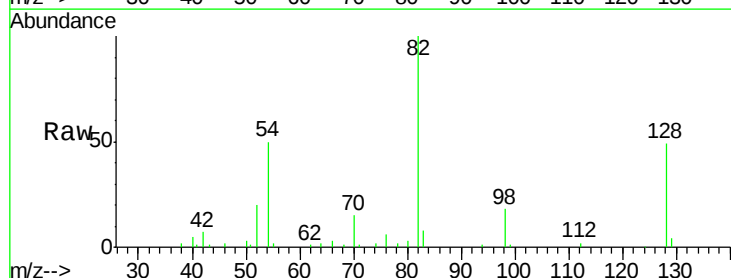


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

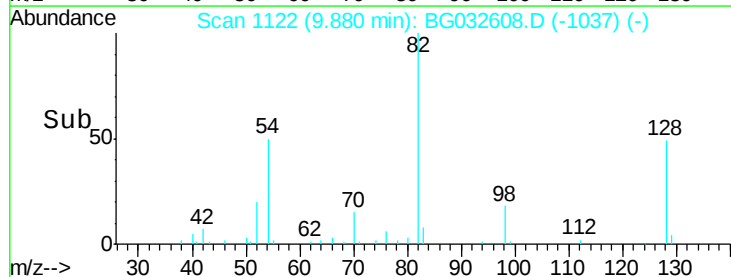
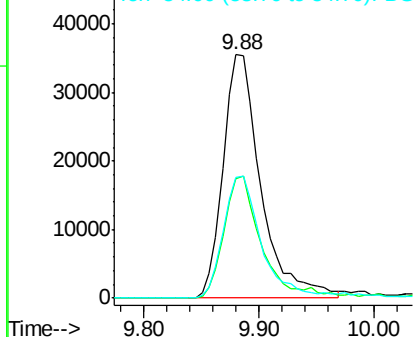


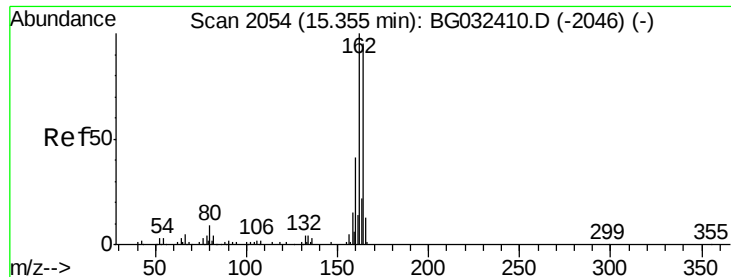
#23
Nitrobenzene-d5
Concen: 69.74 ng
RT: 9.88 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Tgt Ion: 82	Resp:	80661
Ion Ratio	Lower	Upper
82	100	
128	49.0	29.7 44.5#
54	49.5	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: BG032608.D

Acq: 8 Feb 2018 00:06

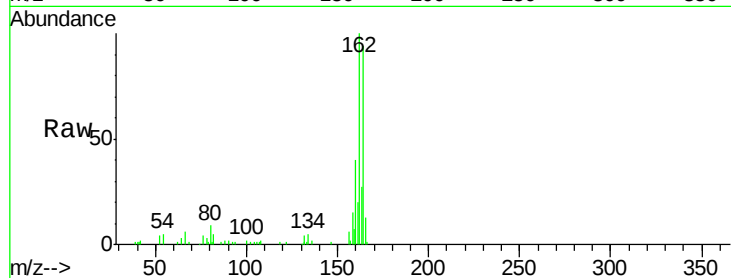
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 55564

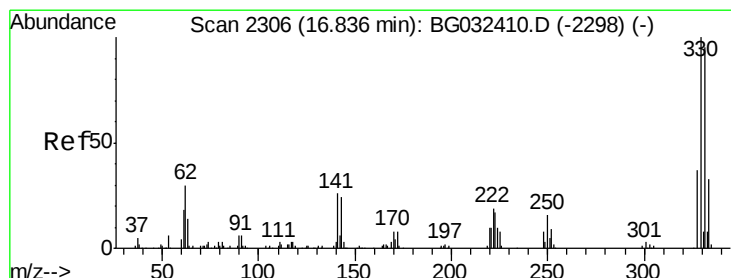
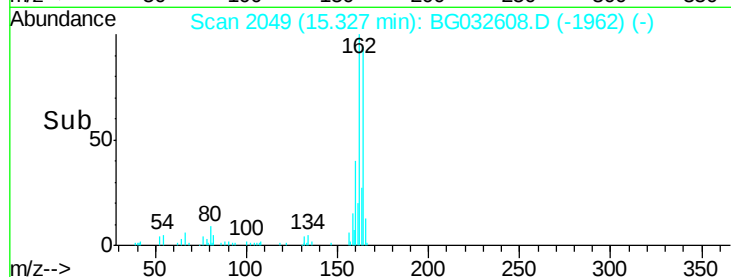
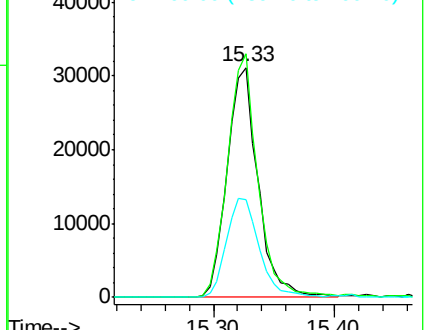
Ion	Ratio	Lower	Upper
164	100		
162	105.9	78.8	118.2
160	42.6	35.4	53.0



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: 91.28 ng

RT: 16.81 min Scan# 2301

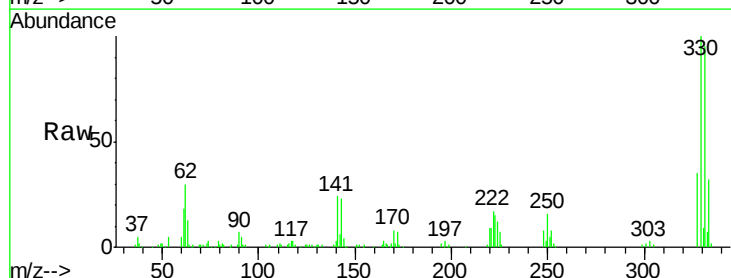
Delta R.T. -0.01 min

Lab File: BG032608.D

Acq: 8 Feb 2018 00:06

Tgt Ion:330 Resp: 96546

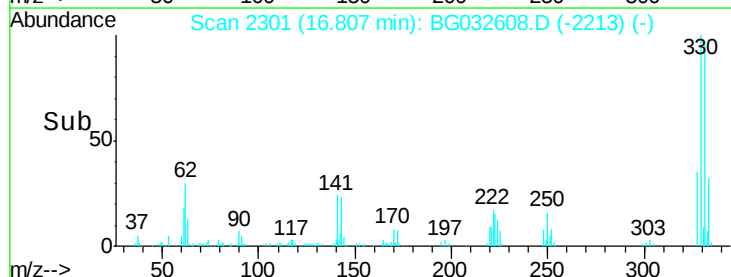
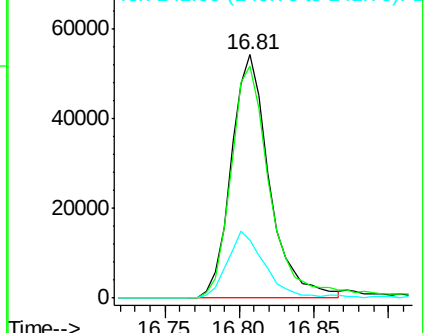
Ion	Ratio	Lower	Upper
330	100		
332	100.7	77.0	115.6
141	26.7	25.2	37.8

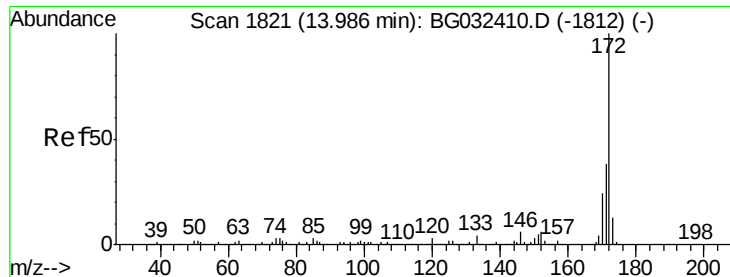


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

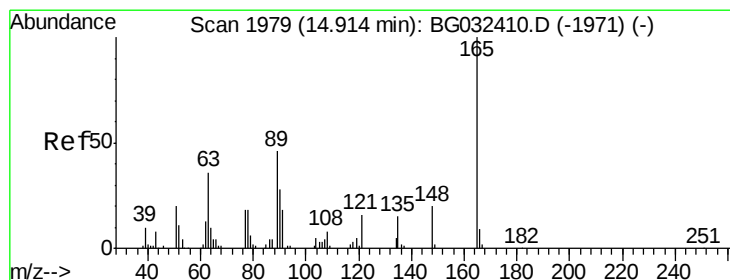
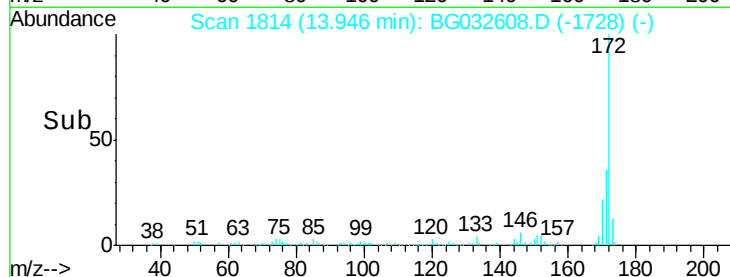
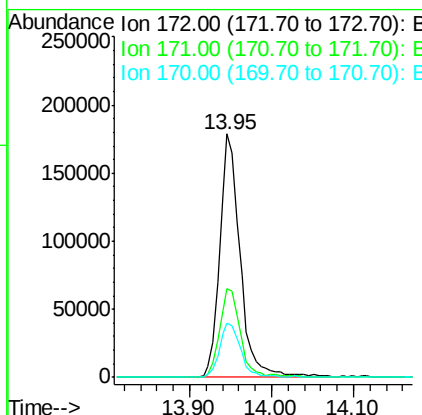
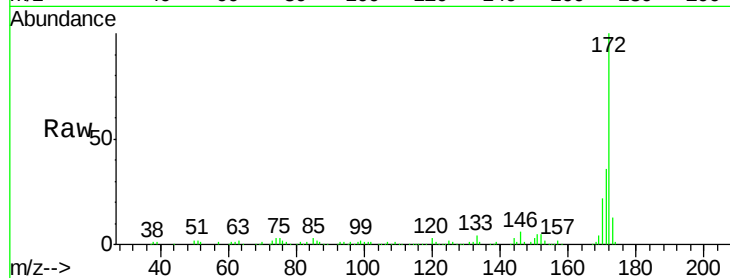




#44
2-Fluorobiphenyl
Concen: 66.71 ng
RT: 13.95 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

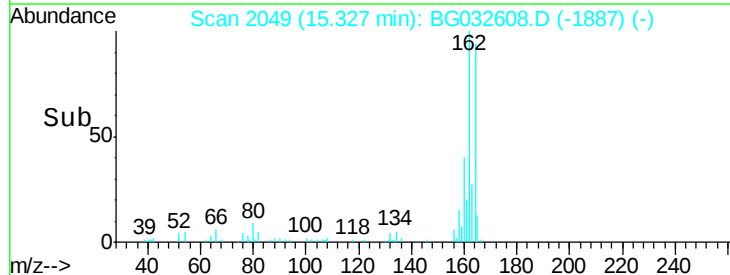
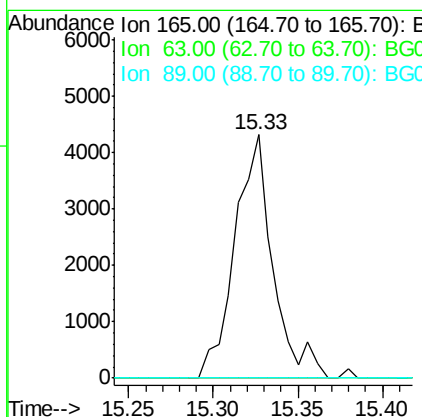
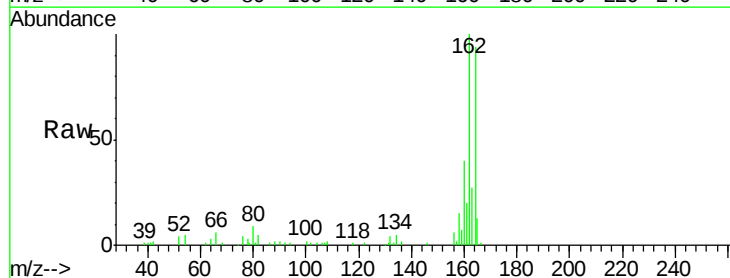
Instrument :
BNA_G
ClientSampleId :

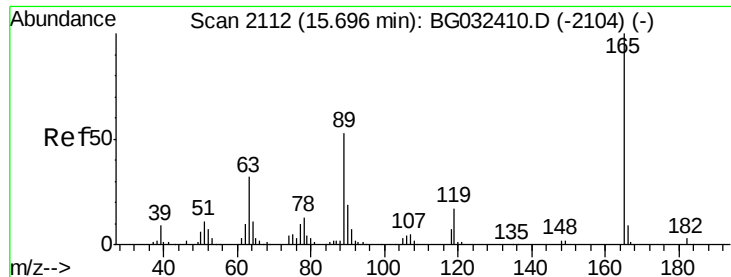
Tot Ion:172 Resp: 311879
Ion Ratio Lower Upper
172 100
171 36.4 30.0 45.0
170 22.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.28 ng
RT: 15.33 min Scan# 2049
Delta R.T. 0.42 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Tgt Ion:165 Resp: 6757
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

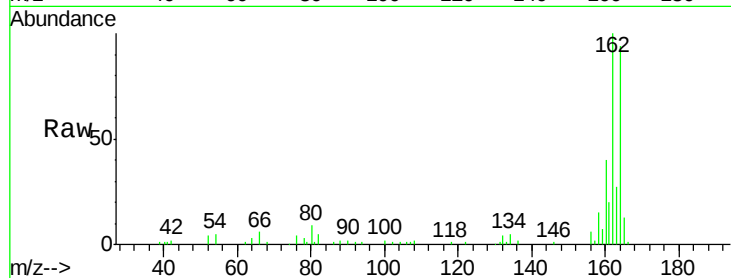




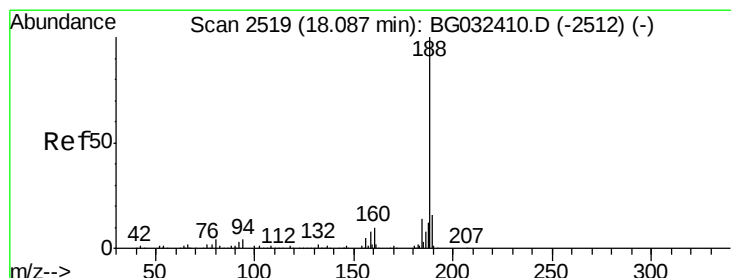
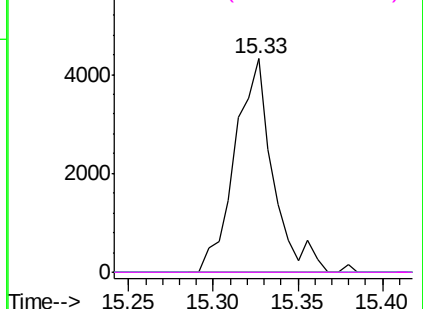
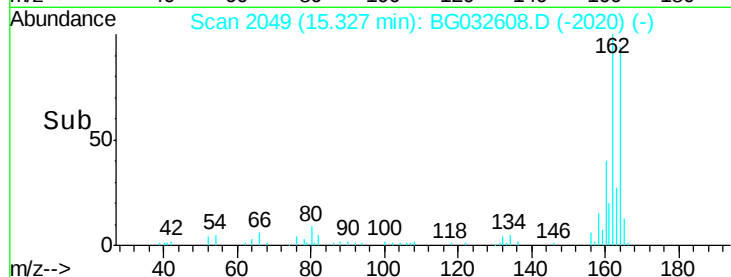
#56
 2,4-Dinitrotoluene
 Concen: 4.41 ng
 RT: 15.33 min Scan# 2049
 Delta R.T. -0.36 min
 Lab File: BG032608.D
 Acq: 8 Feb 2018 00:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 6757
 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#

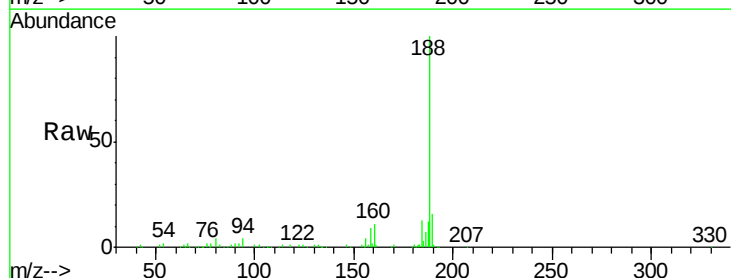


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

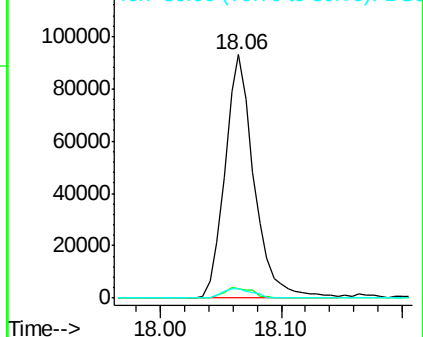
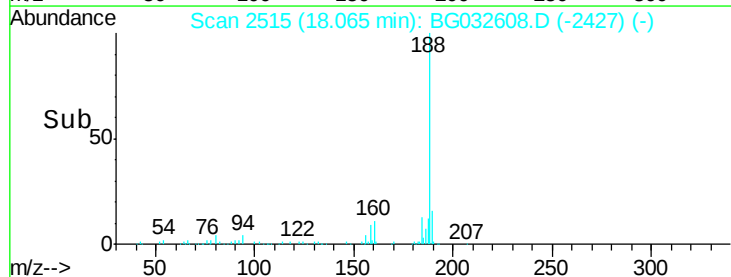


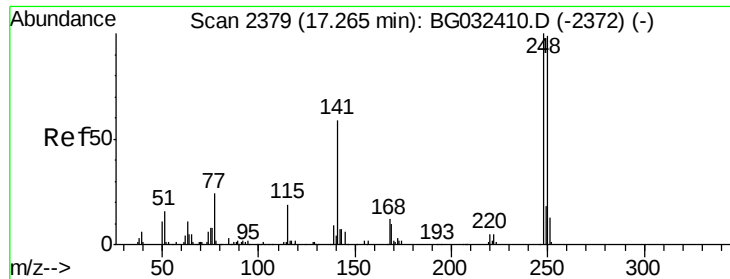
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BG032608.D
 Acq: 8 Feb 2018 00:06

Tgt Ion:188 Resp: 155619
 Ion Ratio Lower Upper
 188 100
 94 3.6 6.9 10.3#
 80 3.7 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

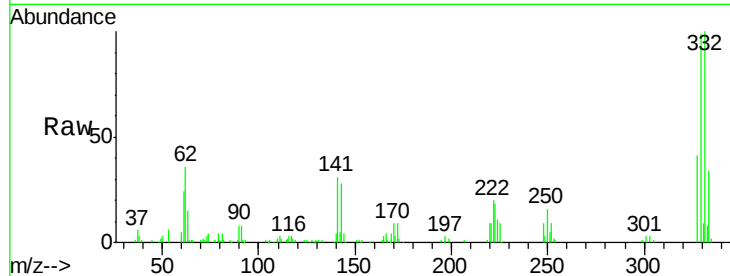




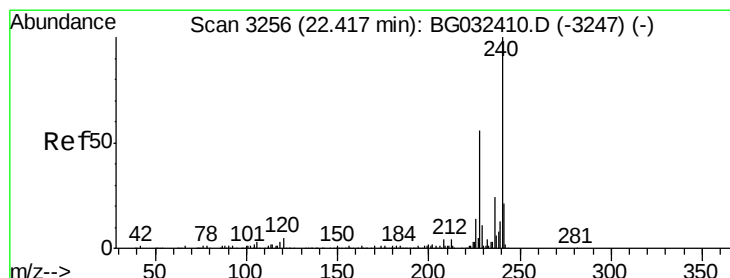
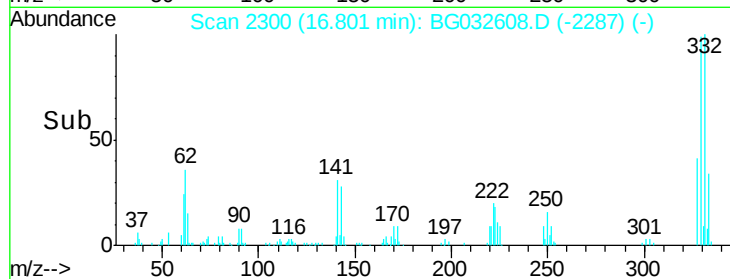
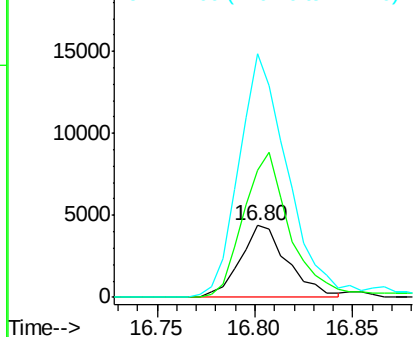
#66
4-Bromophenyl-phenylether
Concen: 3.23 ng
RT: 16.80 min Scan# 2300
Delta R.T. -0.45 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7441
Ion Ratio Lower Upper
248 100
250 177.0 77.1 115.7#
141 338.1 50.8 76.2#

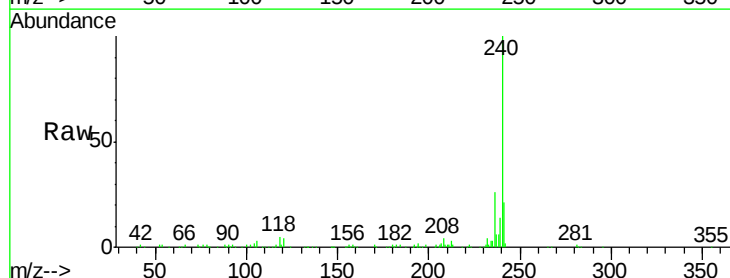


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

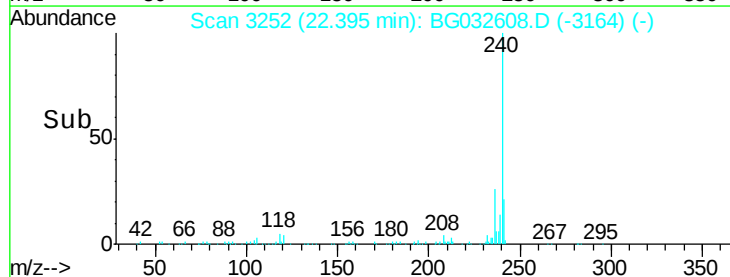
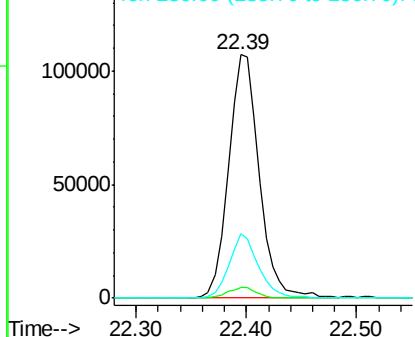


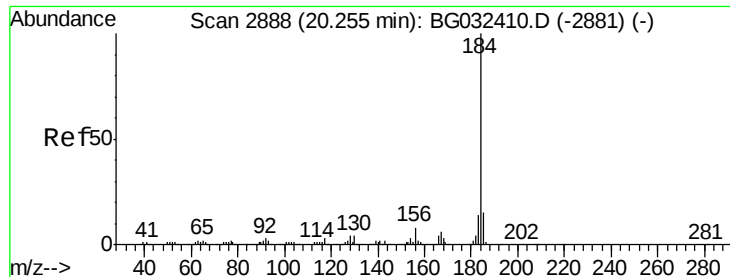
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.39 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Tgt Ion:240 Resp: 209058
Ion Ratio Lower Upper
240 100
120 4.2 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: 2.84 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.36 min

Lab File: BG032608.D

Acq: 8 Feb 2018 00:06

Instrument :

BNA_G

ClientSampleId :

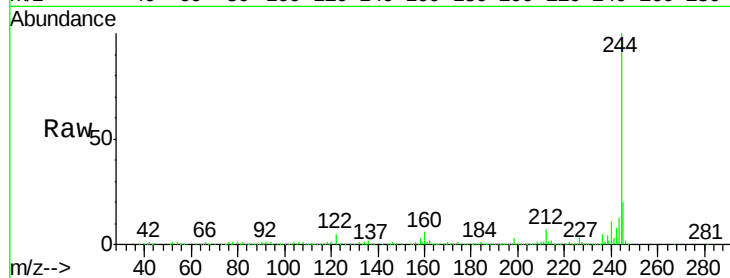
Tot Ion:184 Resp: 11675

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

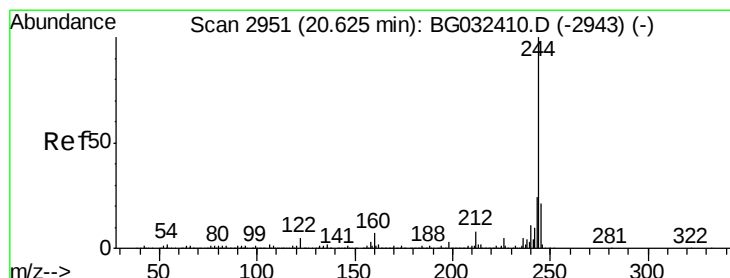
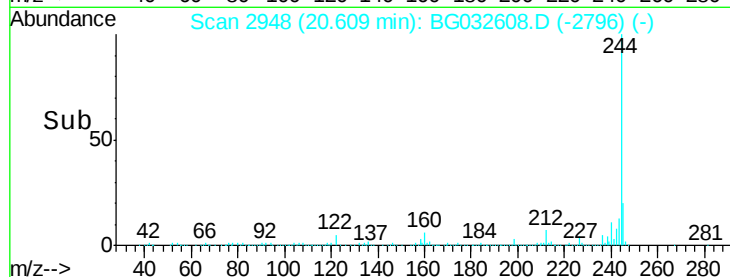
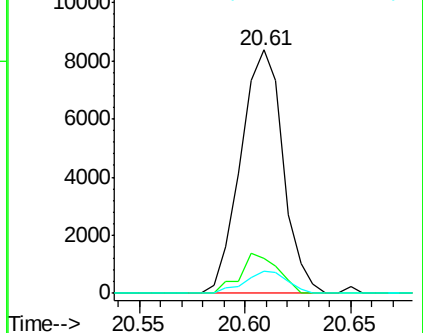
183 8.9 10.6 16.0#



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: 84.99 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG032608.D

Acq: 8 Feb 2018 00:06

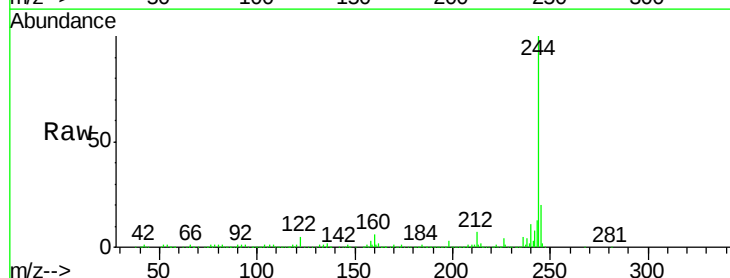
Tgt Ion:244 Resp: 829432

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

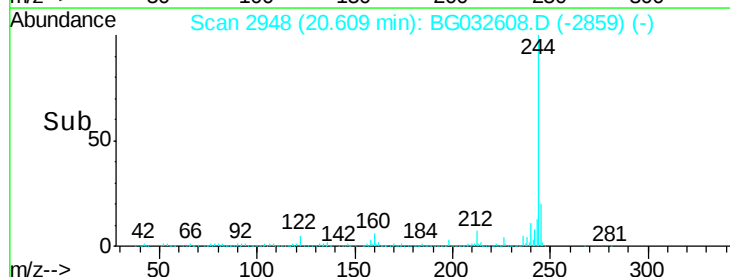
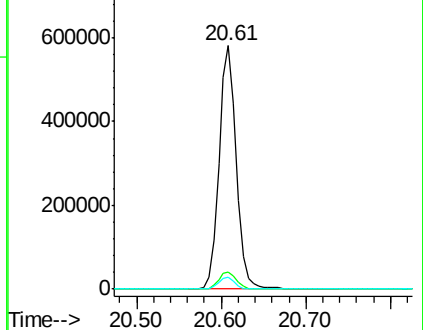
122 4.8 7.0 10.4#

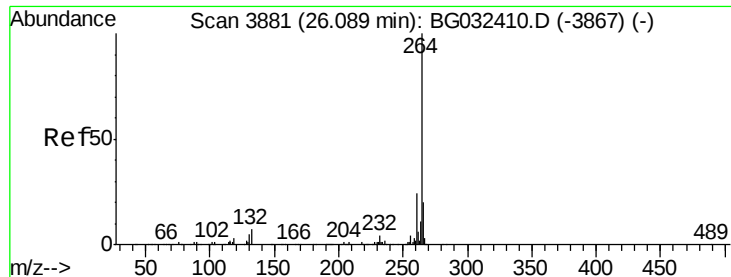


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

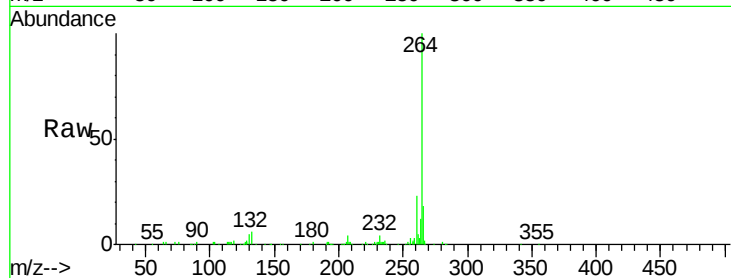




#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.07 min Scan# 3878
Delta R.T. 0.01 min
Lab File: BG032608.D
Acq: 8 Feb 2018 00:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 222548
Ion Ratio Lower Upper
264 100
260 23.3 17.4 26.0
265 18.3 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

