

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032622.D
 Acq On : 8 Feb 2018 22:27
 Operator : SJ/JU
 Sample : J1473-36
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:37:26 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

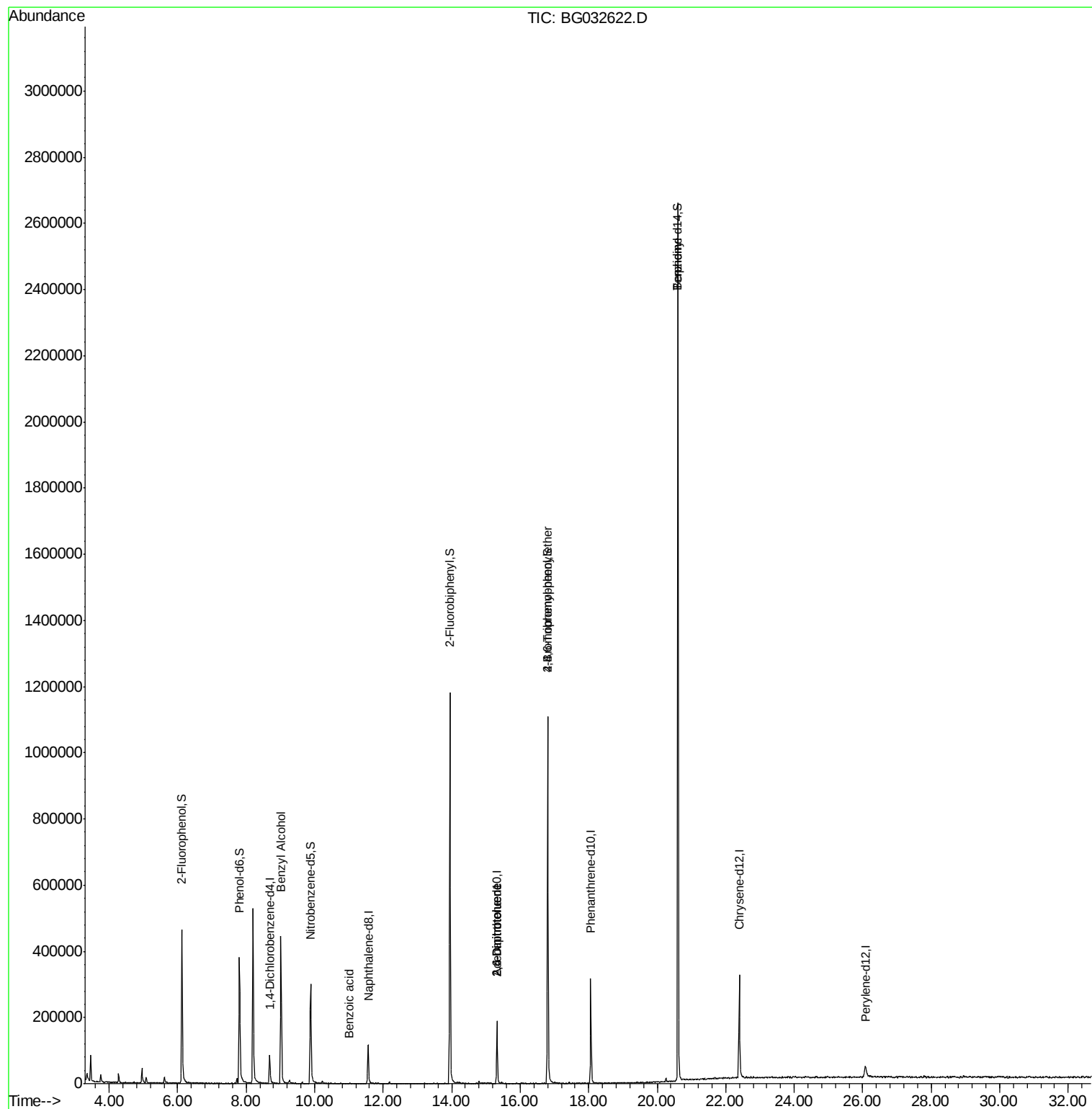
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	32435	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	124978	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	65194	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	240809	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	224901	20.00	ng	-0.01
86) Perylene-d12	26.07	264	23543	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	244672	151.51	ng	-0.02
7) Phenol-d6	7.80	99	234975	109.04	ng	-0.02
23) Nitrobenzene-d5	9.88	82	217254	108.58	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	246213	198.40	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	764178	139.32	ng	-0.02
78) Terphenyl-d14	20.60	244	1475743	140.56	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.02	79	4334	2.44	ng	# 32
32) Benzoic acid	11.00	122	59	7.32	ng	# 1
50) 2,6-Dinitrotoluene	15.32	165	8134	6.45	ng	# 23
56) 2,4-Dinitrotoluene	15.32	165	8134	4.53	ng	# 21
66) 4-Bromophenyl-phenylether	16.80	248	22197	6.22	ng	# 1
76) Benzidine	20.60	184	22673	5.13	ng	# 87

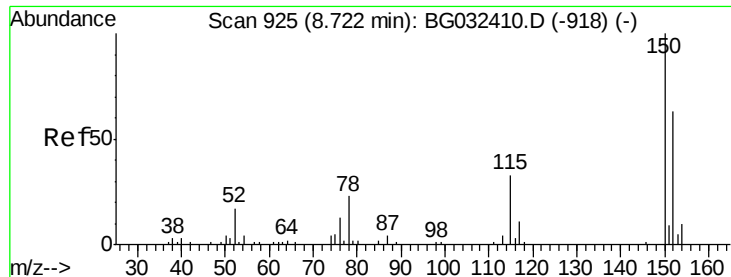
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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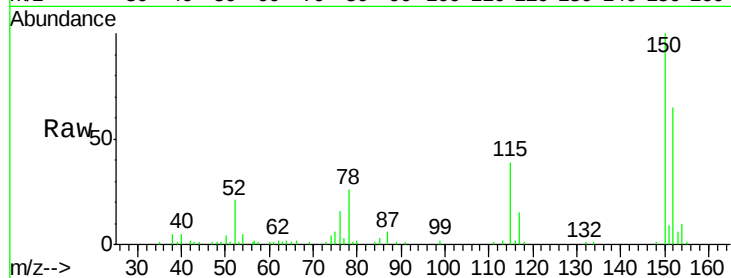


#1

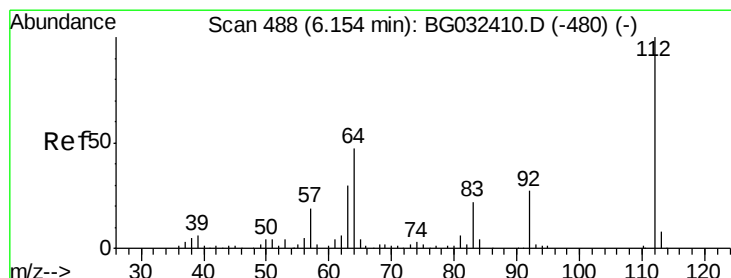
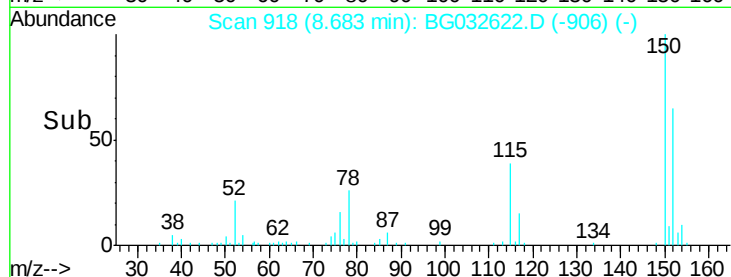
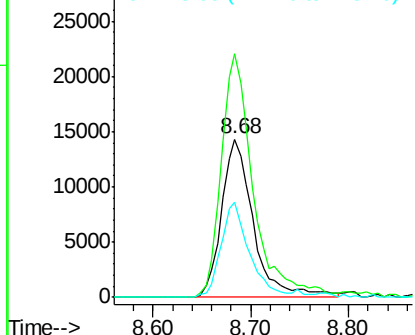
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 32435
Ion Ratio Lower Upper
152 100
150 154.1 126.6 189.8
115 60.2 53.0 79.4



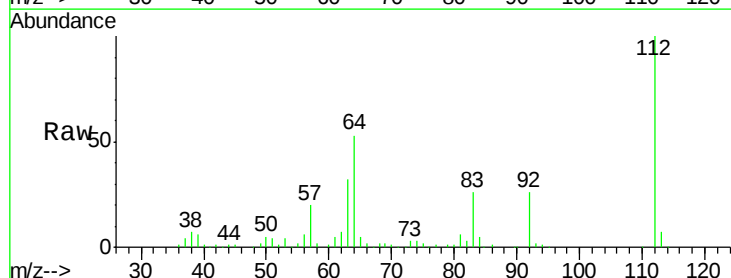
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



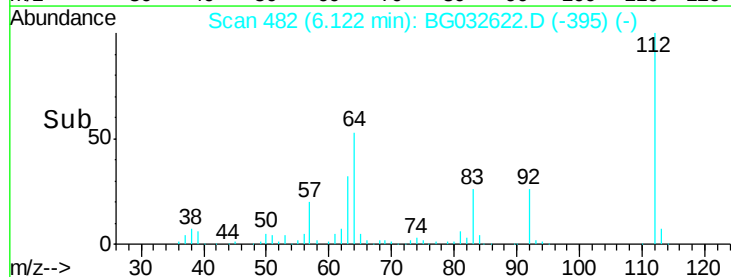
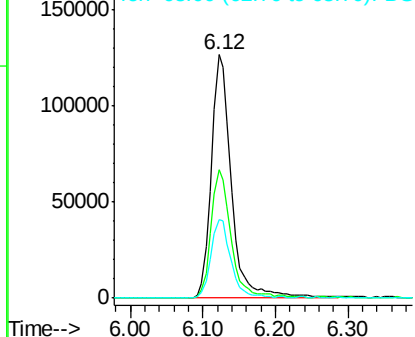
#5

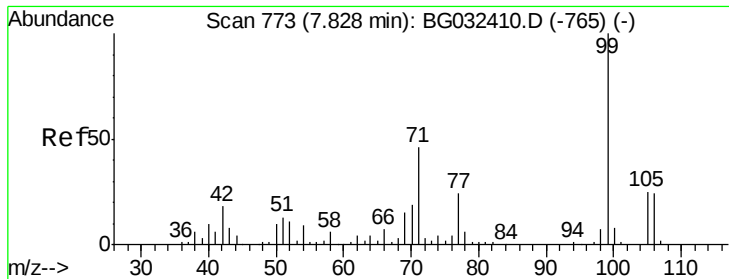
2-Fluorophenol
Concen: 151.51 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

Tgt Ion:112 Resp: 244672
Ion Ratio Lower Upper
112 100
64 52.9 56.3 84.5#
63 32.5 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: 109.04 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

Instrument :

BNA_G

ClientSampleId :

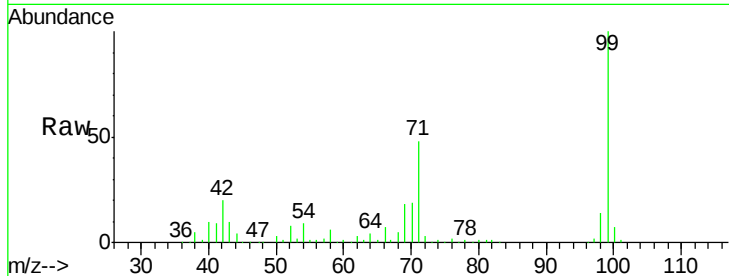
Tot Ion: 99 Resp: 234975

Ion Ratio Lower Upper

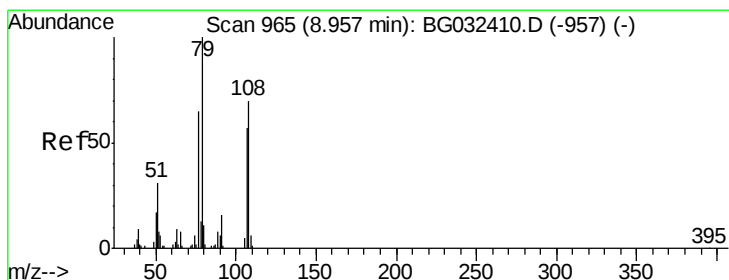
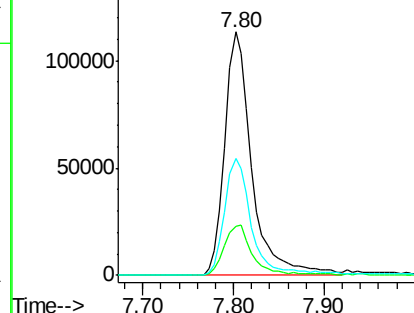
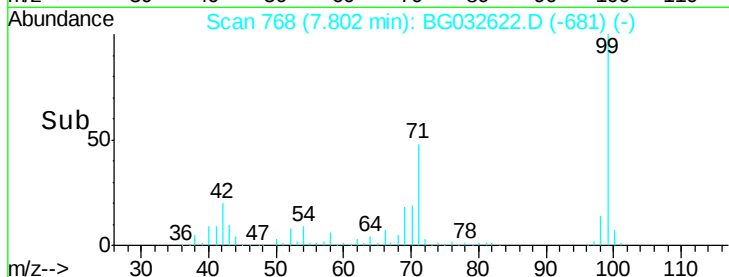
99 100

42 20.0 14.1 21.1

71 48.2 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



#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

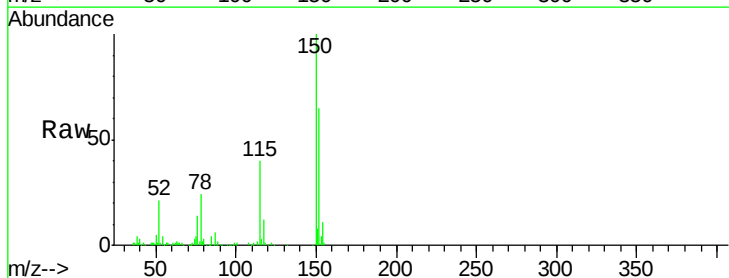
Tgt Ion: 79 Resp: 4334

Ion Ratio Lower Upper

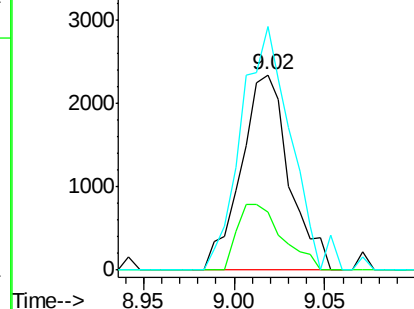
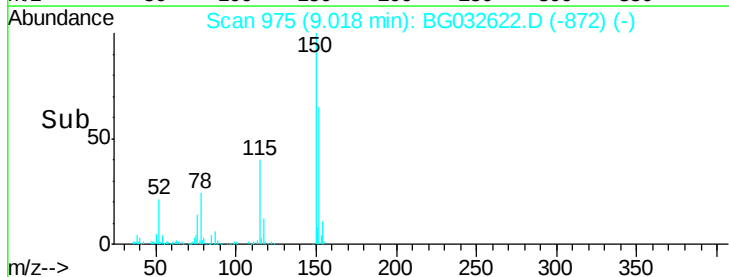
79 100

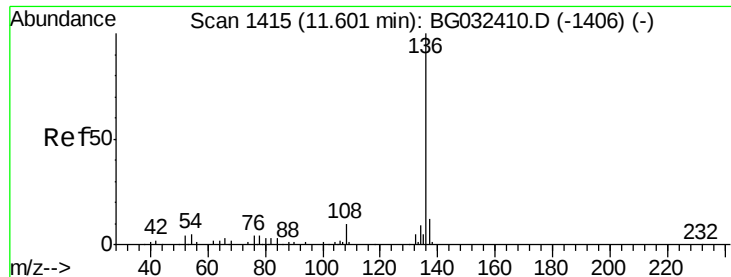
108 30.0 57.2 85.8#

77 124.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

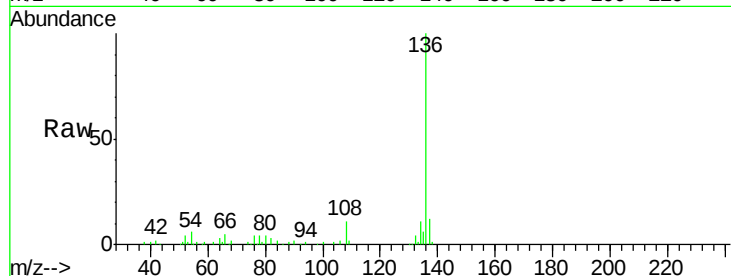




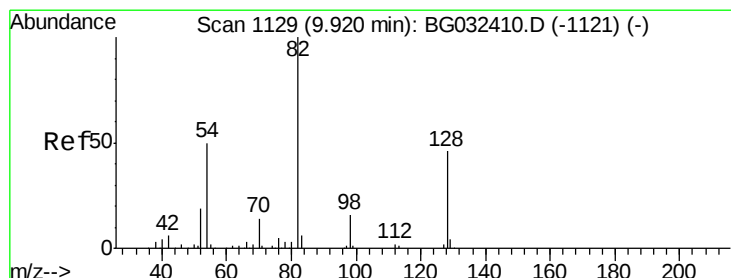
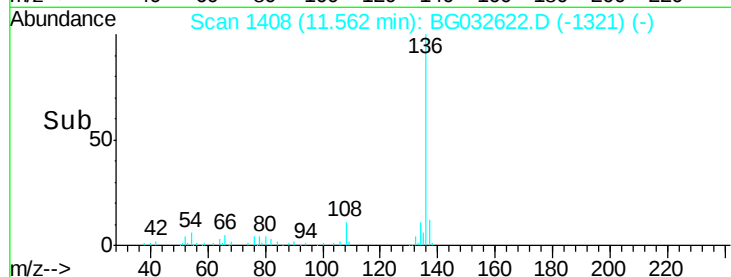
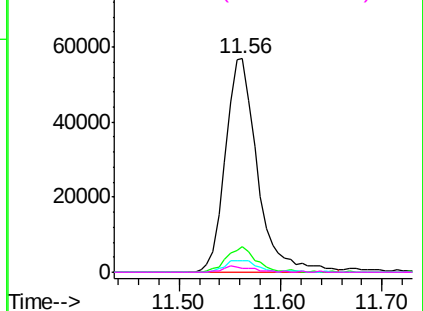
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	124978
Ion Ratio	Lower	Upper
136 100		
137 12.1	9.2	13.8
54 5.7	10.3	15.5#
68 2.1	4.5	6.7#

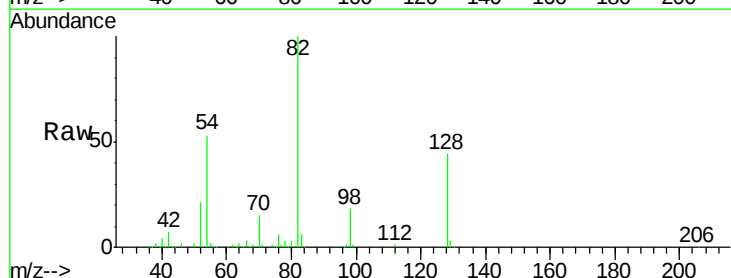


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

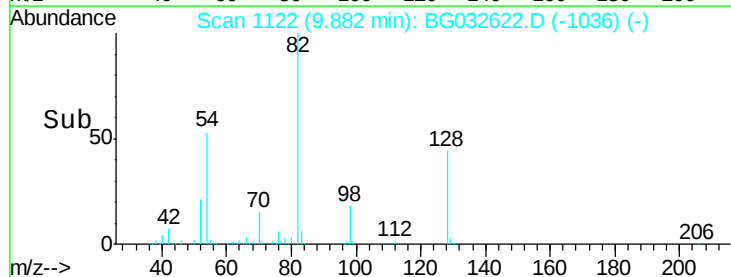
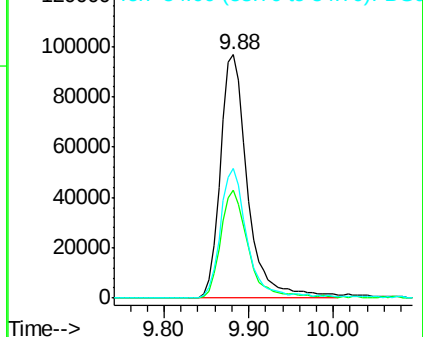


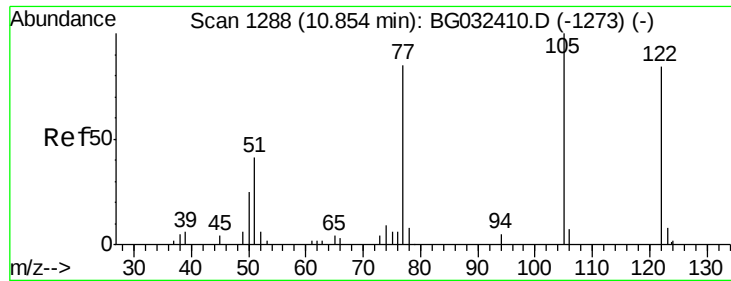
#23
Nitrobenzene-d5
Concen: 108.58 ng
RT: 9.88 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

Tgt Ion: 82	Resp: 217254
Ion Ratio	Lower Upper
82 100	
128 44.1	29.7 44.5
54 53.4	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: 7.32 ng

RT: 11.00 min Scan# 1313

Delta R.T. 0.15 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

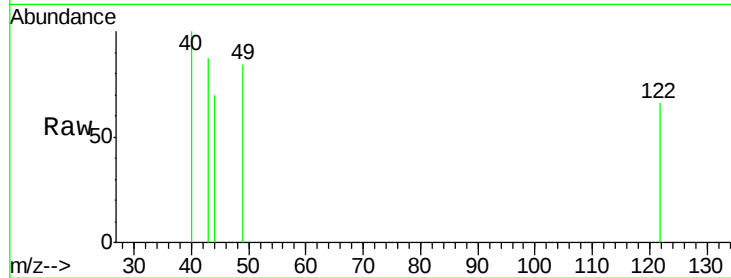
Instrument :

BNA_G

ClientSampleId :

Tot Ion:122 Resp: 59

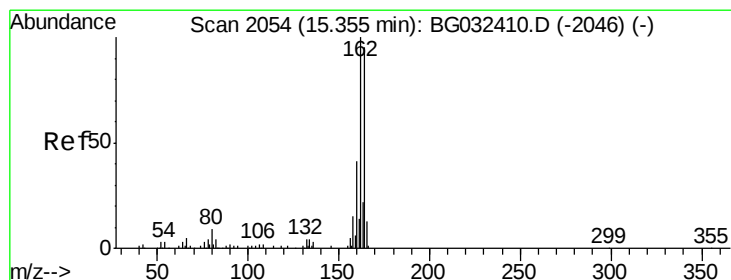
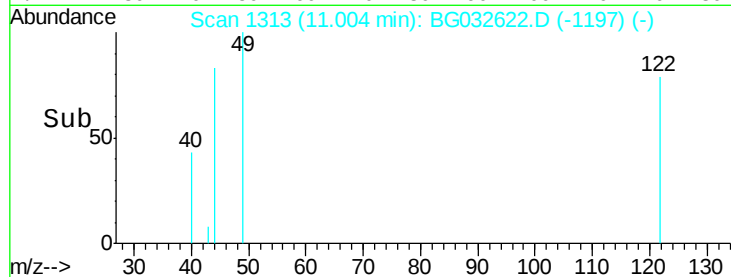
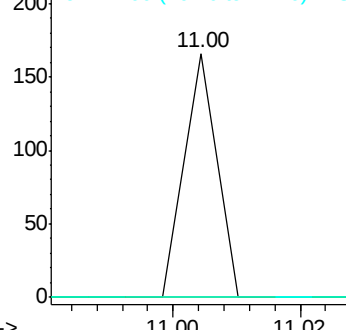
Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

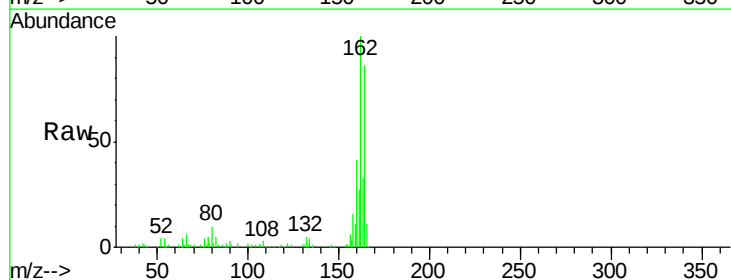
Delta R.T. -0.02 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

Tgt Ion:164 Resp: 65194

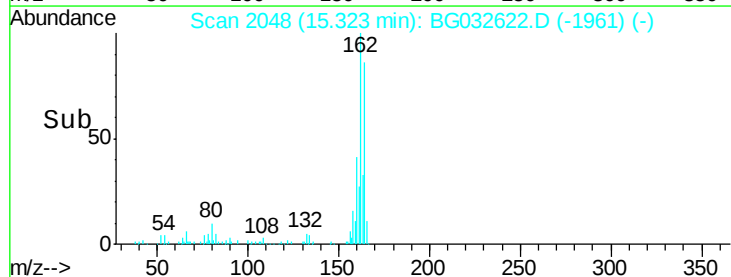
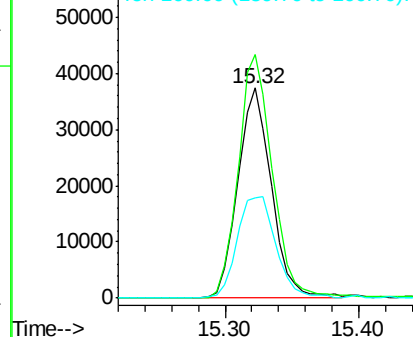
Ion	Ratio	Lower	Upper
164	100		
162	116.0	78.8	118.2
160	47.9	35.4	53.0

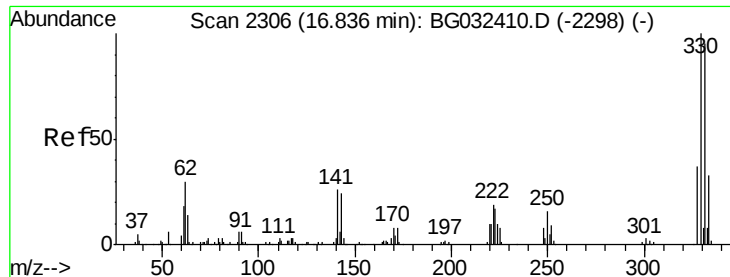


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

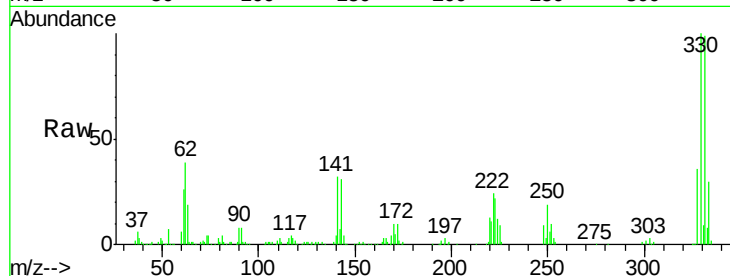




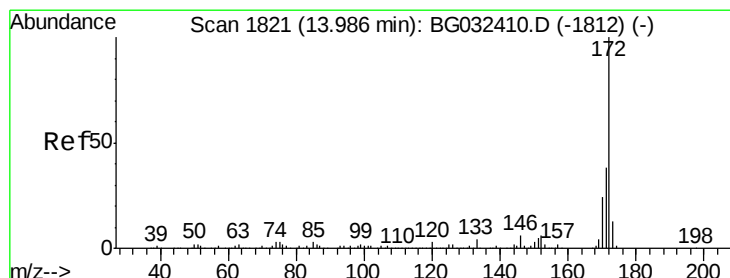
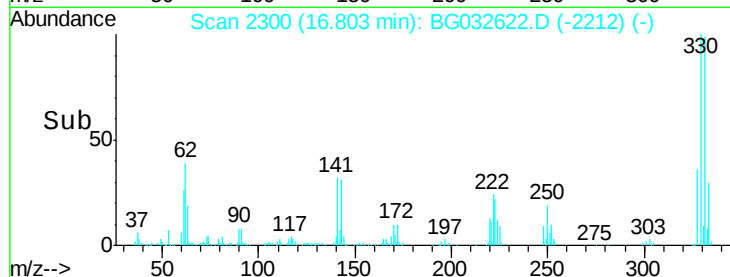
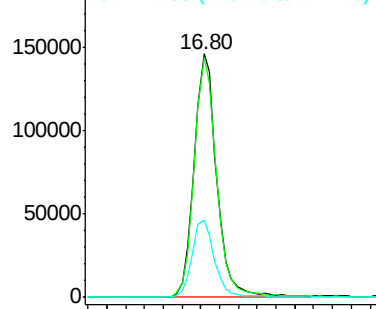
#41
 2,4,6-Tribromophenol
 Concen: 198.40 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BG032622.D
 Acq: 8 Feb 2018 22:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	31.9	25.2	37.8

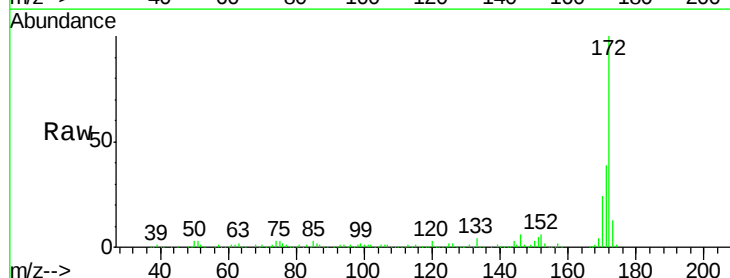


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

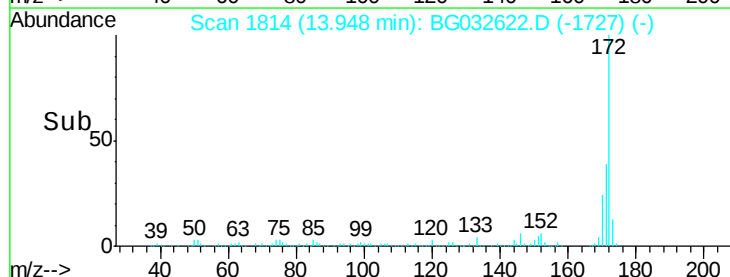
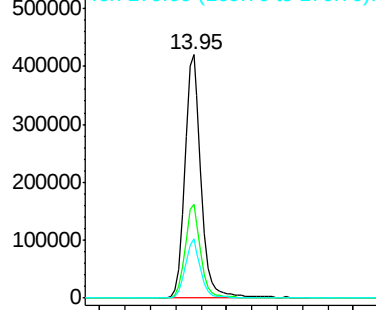


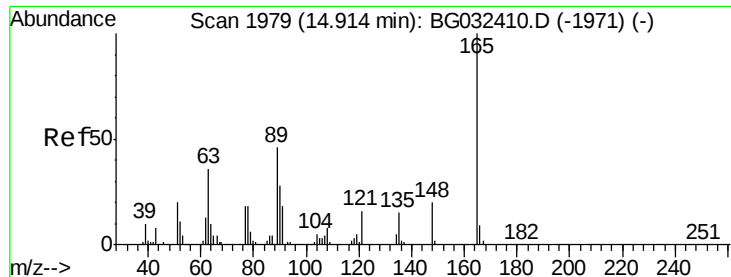
#44
 2-Fluorobiphenyl
 Concen: 139.32 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032622.D
 Acq: 8 Feb 2018 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	24.4	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

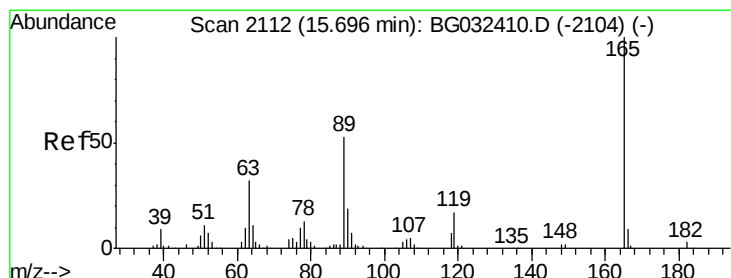
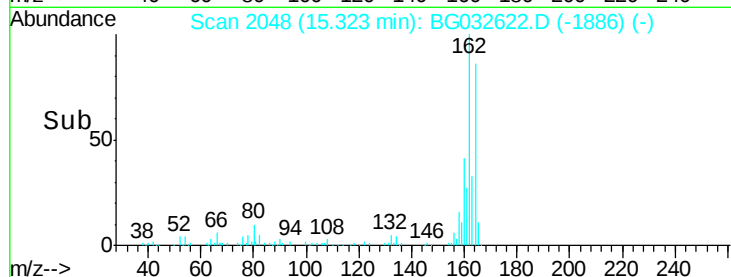
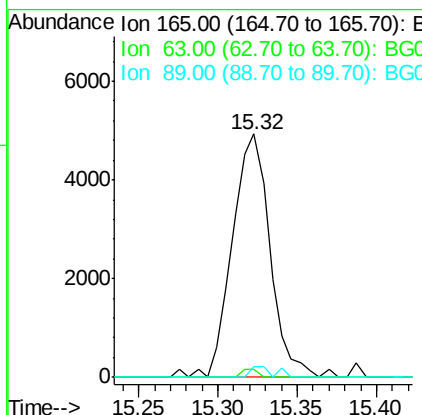
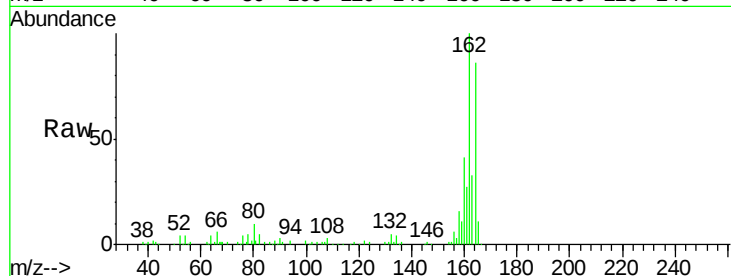




#50
2,6-Dinitrotoluene
Concen: 6.45 ng
RT: 15.32 min Scan# 2048
Delta R.T. 0.42 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

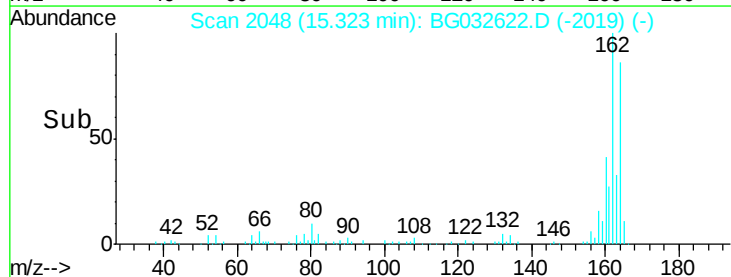
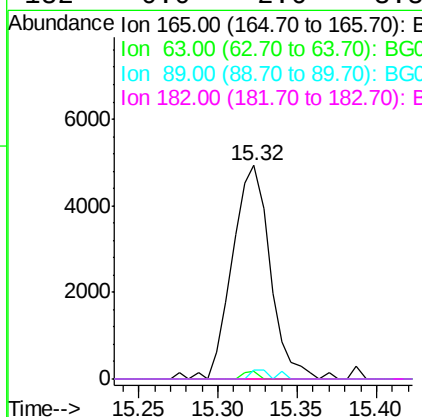
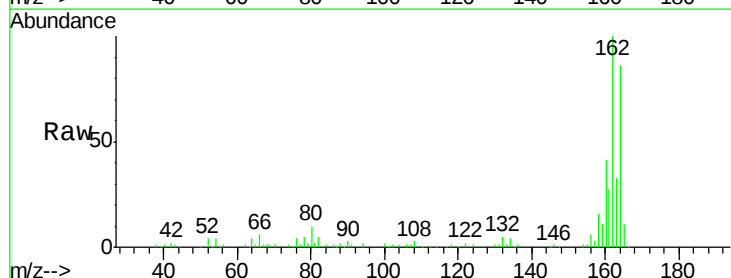
Instrument :
BNA_G
ClientSampleId :

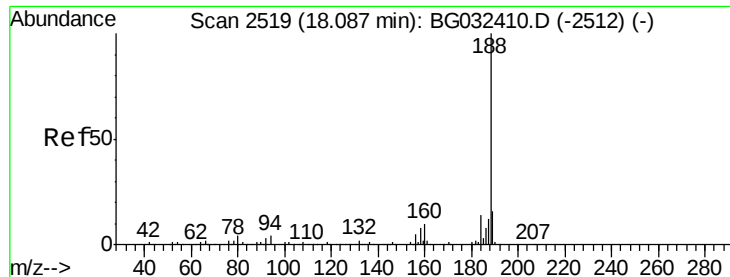
Tot Ion:165 Resp: 8134
Ion Ratio Lower Upper
165 100
63 3.3 52.7 79.1#
89 4.3 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.53 ng
RT: 15.32 min Scan# 2048
Delta R.T. -0.36 min
Lab File: BG032622.D
Acq: 8 Feb 2018 22:27

Tgt Ion:165 Resp: 8134
Ion Ratio Lower Upper
165 100
63 3.3 42.0 63.0#
89 4.3 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.06 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

Instrument :

BNA_G

ClientSampleId :

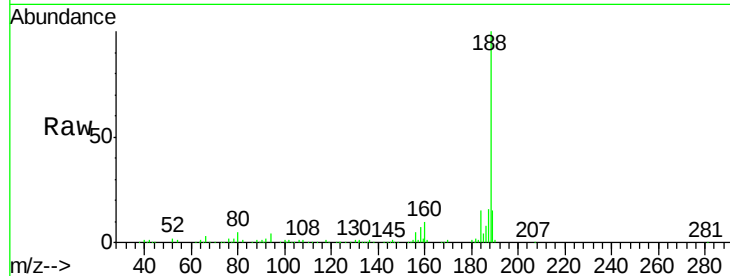
Tot Ion:188 Resp: 240809

Ion Ratio Lower Upper

188 100

94 4.1 6.9 10.3#

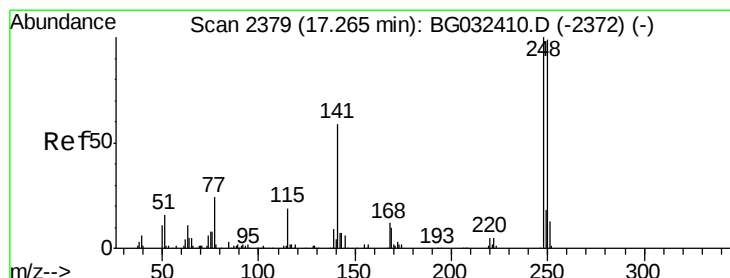
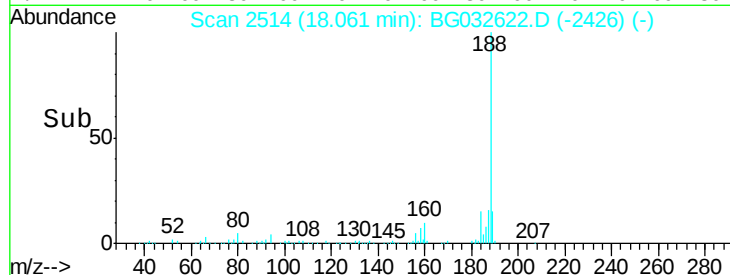
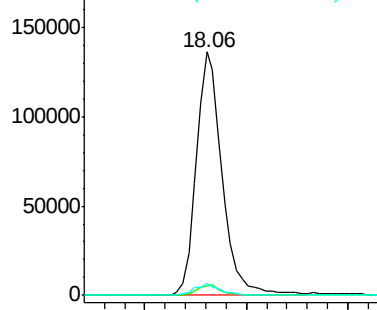
80 4.7 7.7 11.5#



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: 6.22 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.45 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

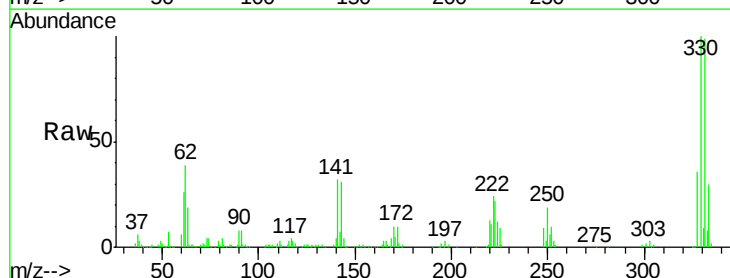
Tgt Ion:248 Resp: 22197

Ion Ratio Lower Upper

248 100

250 207.5 77.1 115.7#

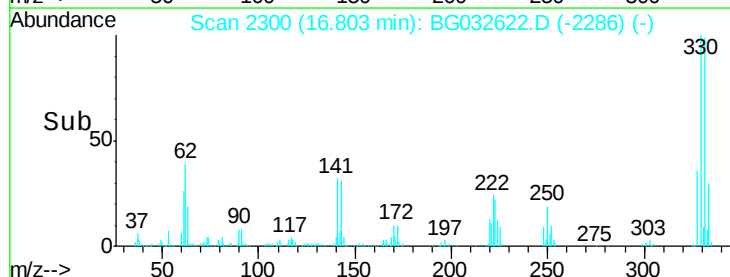
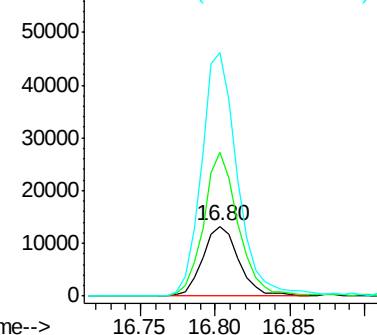
141 350.0 50.8 76.2#

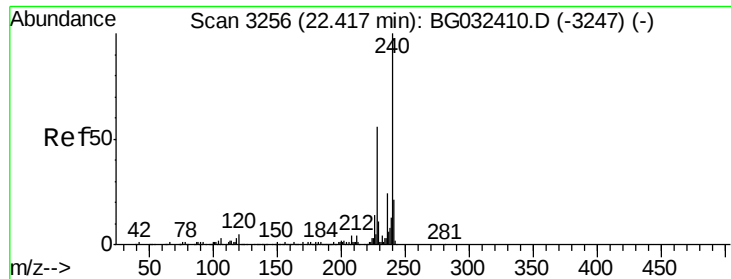


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.39 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

Instrument :

BNA_G

ClientSampled :

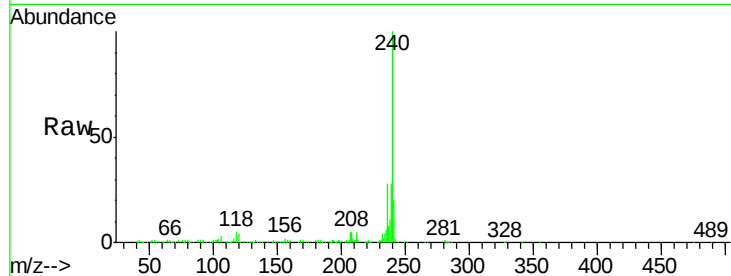
Tot Ion:240 Resp: 224901

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

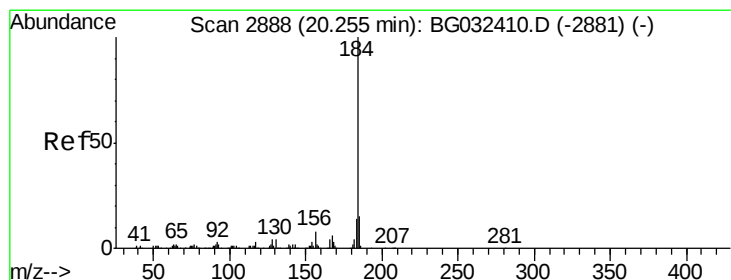
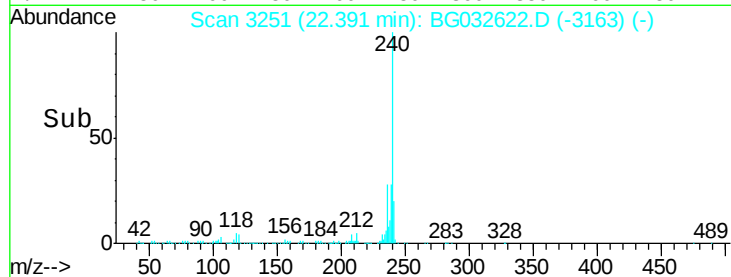
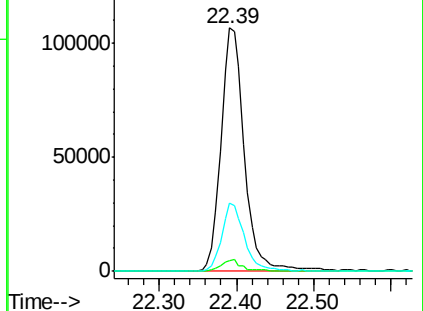
236 27.8 20.9 31.3



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: 5.13 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

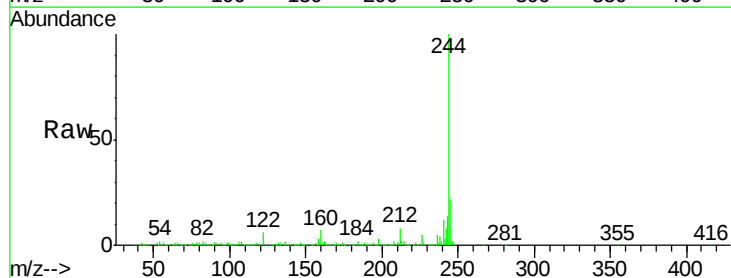
Tgt Ion:184 Resp: 22673

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

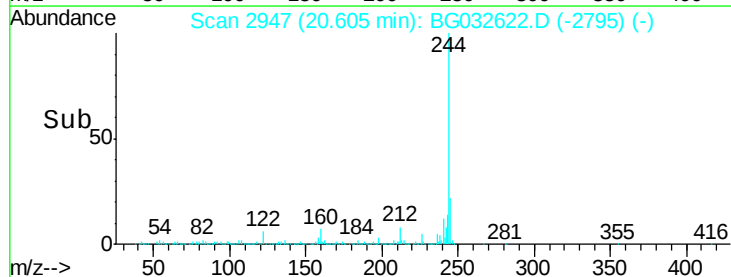
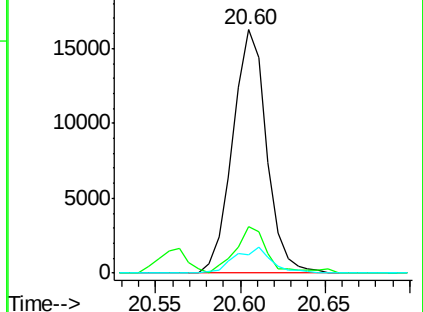
183 7.7 10.6 16.0#

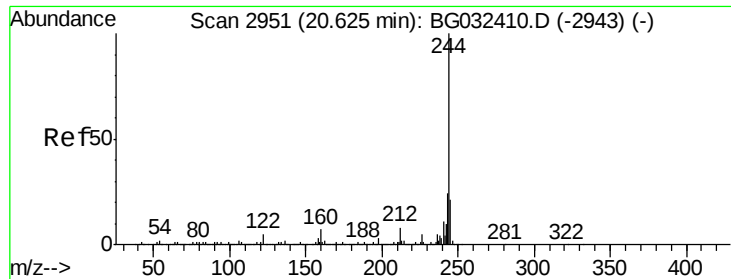


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 140.56 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

Instrument :

BNA_G

ClientSampled :

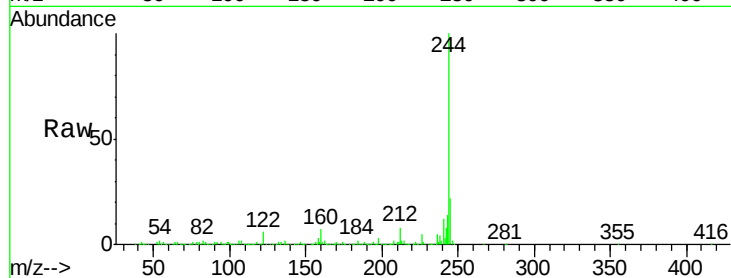
Tot Ion:244 Resp: 1475743

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

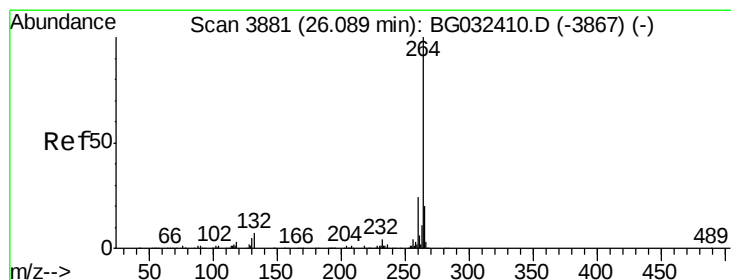
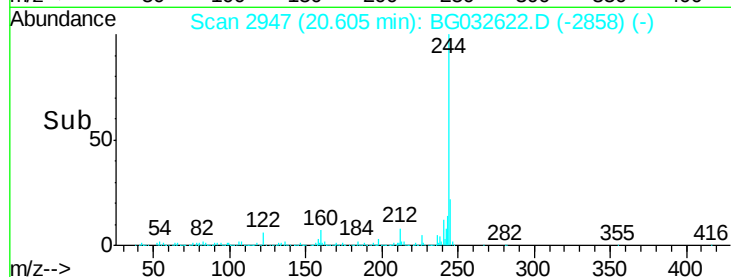
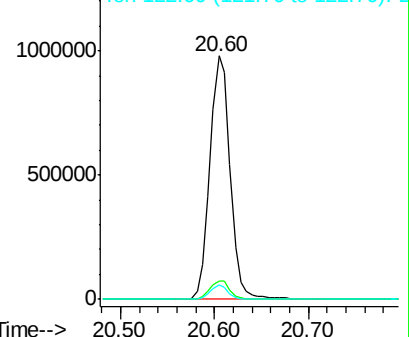
122 5.7 7.0 10.4#



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: 20.00 ng

RT: 26.07 min Scan# 3877

Delta R.T. 0.00 min

Lab File: BG032622.D

Acq: 8 Feb 2018 22:27

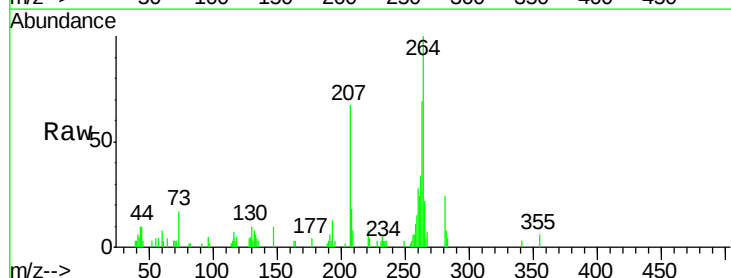
Tgt Ion:264 Resp: 23543

Ion Ratio Lower Upper

264 100

260 28.5 17.4 26.0#

265 22.3 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

