

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032531.D
 Acq On : 3 Feb 2018 3:48
 Operator : SJ/JU
 Sample : J1436-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 03 05:42:47 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

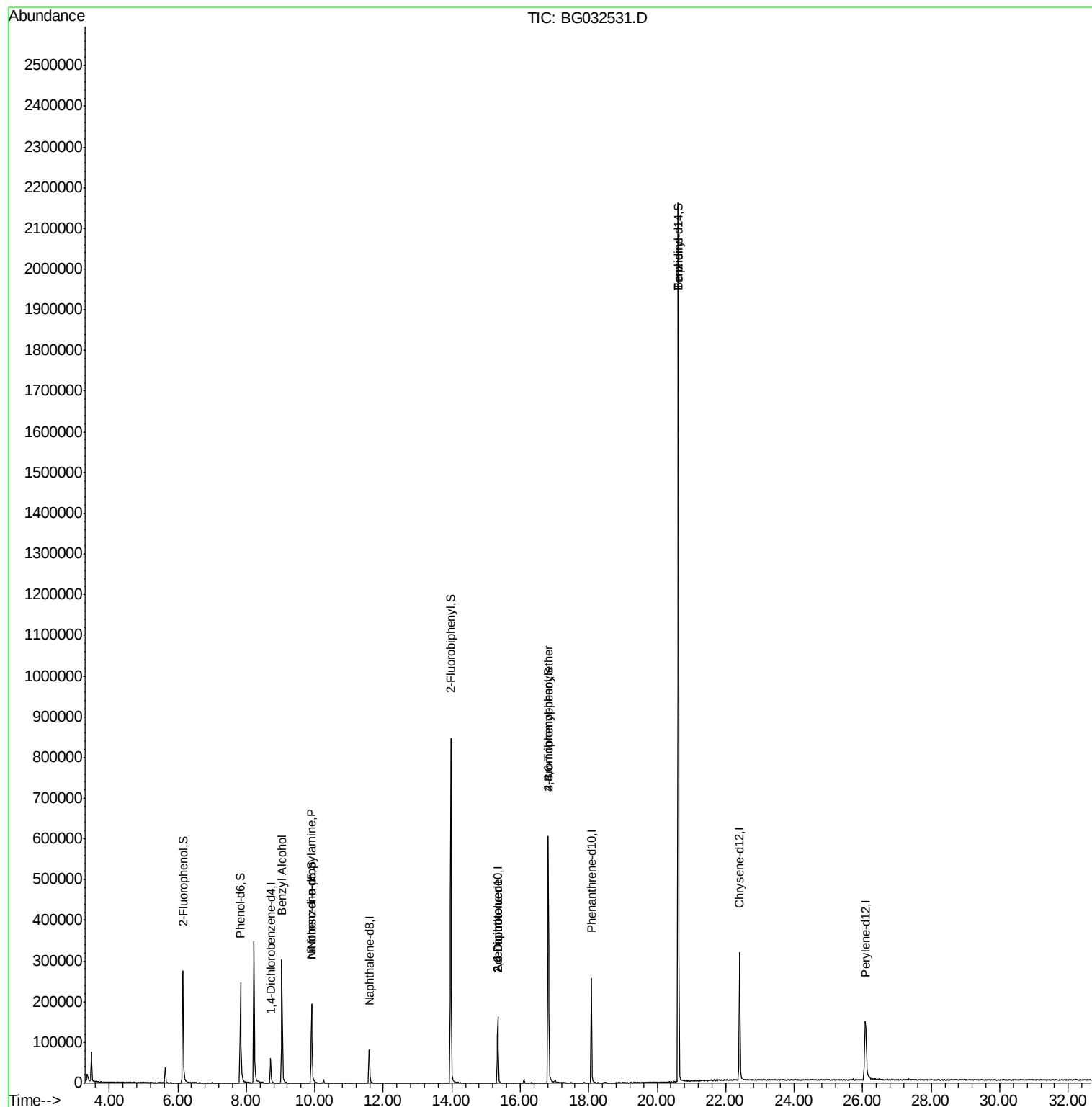
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	22720	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	91364	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	67325	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	187044	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	253494	20.00	ng	-0.02
86) Perylene-d12	26.08	264	253275	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	153584	135.78	ng	0.00
7) Phenol-d6	7.83	99	173792	115.14	ng	0.00
23) Nitrobenzene-d5	9.90	82	138315	94.56	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	151775	118.43	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	510205	90.07	ng	-0.02
78) Terphenyl-d14	20.61	244	1173664	99.18	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.03	79	2531	2.035	ng	# 39
19) n-Nitroso-di-n-propylamine	9.91	70	19292	19.276	ng	# 73
50) 2,6-Dinitrotoluene	15.34	165	8406	6.452	ng	# 20
56) 2,4-Dinitrotoluene	15.34	165	8406	4.531	ng	# 18
66) 4-Bromophenyl-phenylether	16.82	248	12859	4.640	ng	# 1
76) Benzidine	20.61	184	17635	3.543	ng	# 93

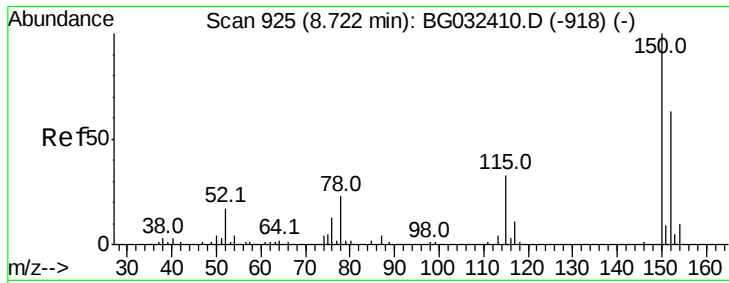
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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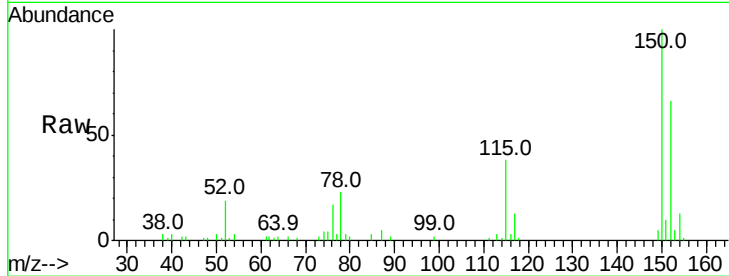


#1

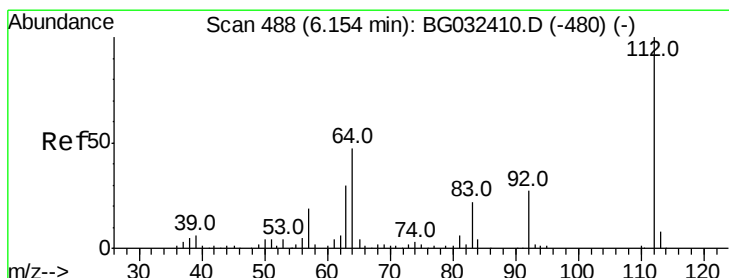
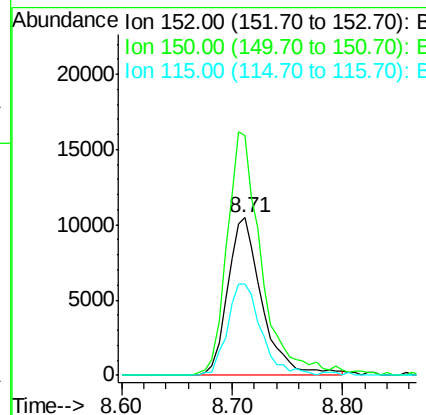
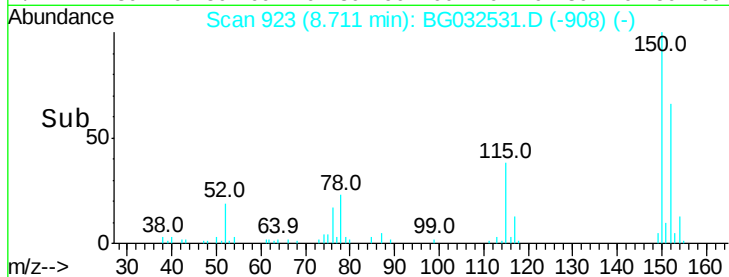
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.6	189.8
115	58.2	53.0	79.4



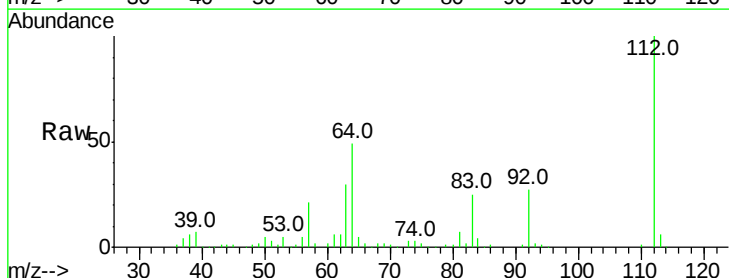
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



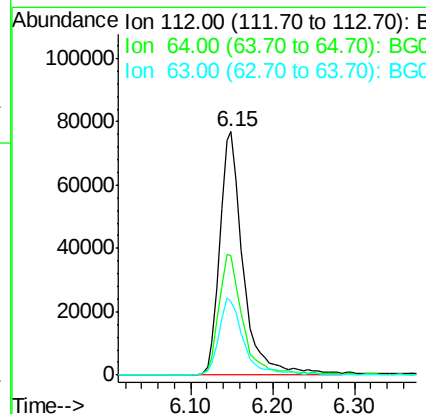
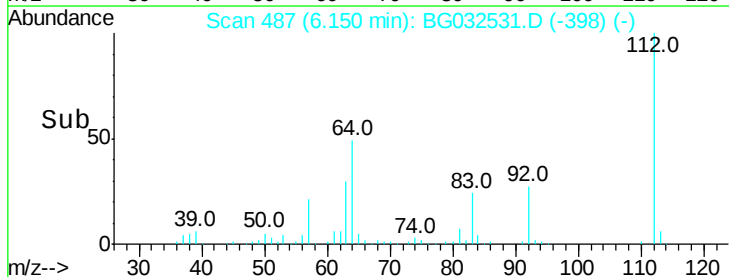
#5

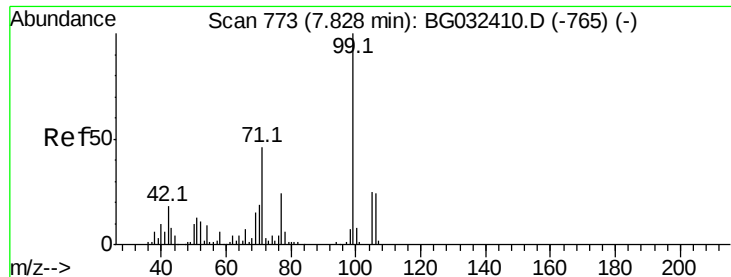
2-Fluorophenol
 Concen: 135.776 ng
 RT: 6.15 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	56.3	84.5#
63	29.9	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: 115.137 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032531.D

Acq: 3 Feb 2018 3:48

Instrument :

BNA_G

ClientSampleId :

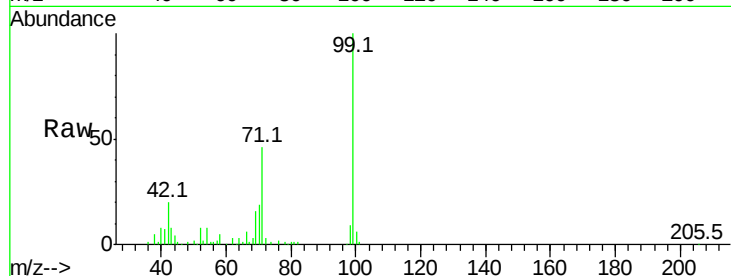
Tot Ion: 99 Resp: 173792

Ion Ratio Lower Upper

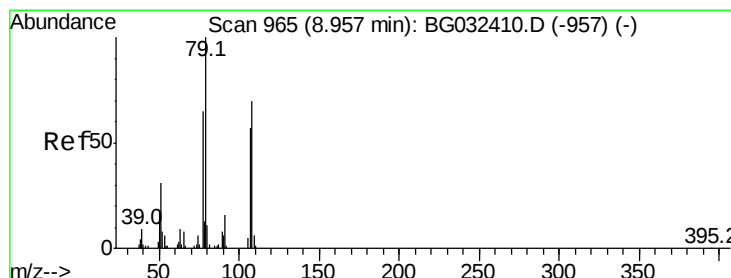
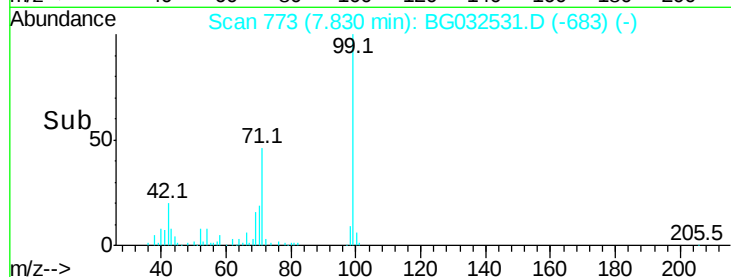
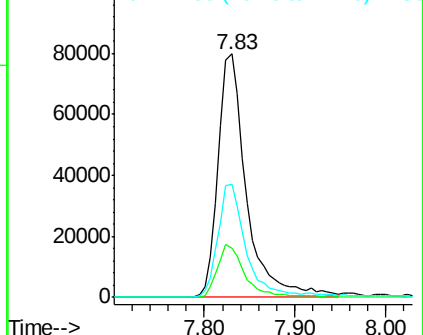
99 100

42 19.9 14.1 21.1

71 46.2 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: 2.035 ng

RT: 9.03 min Scan# 978

Delta R.T. 0.08 min

Lab File: BG032531.D

Acq: 3 Feb 2018 3:48

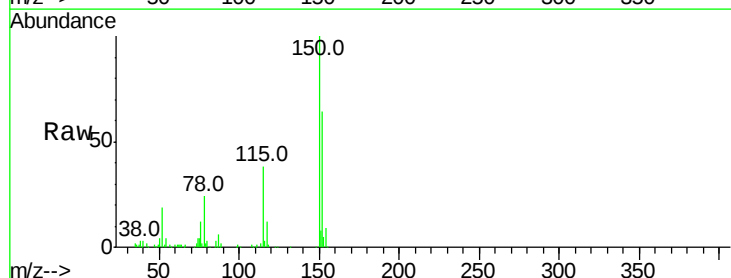
Tgt Ion: 79 Resp: 2531

Ion Ratio Lower Upper

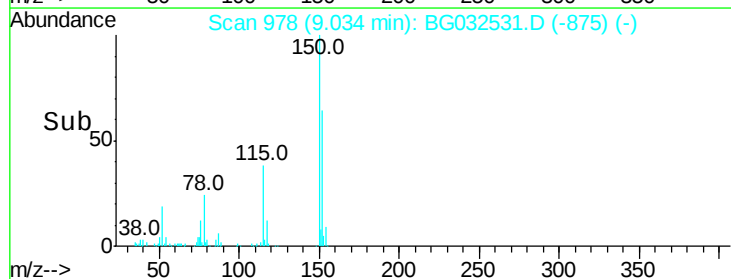
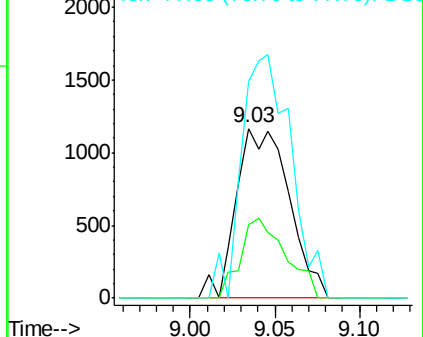
79 100

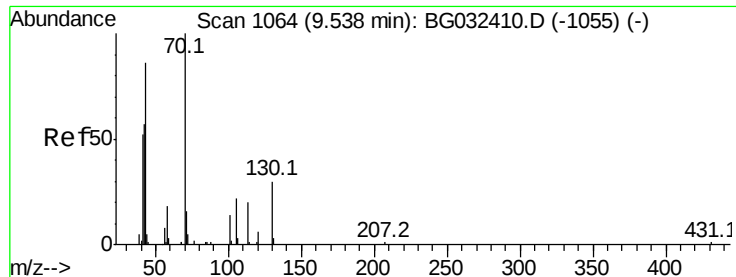
108 43.1 57.2 85.8#

77 127.4 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

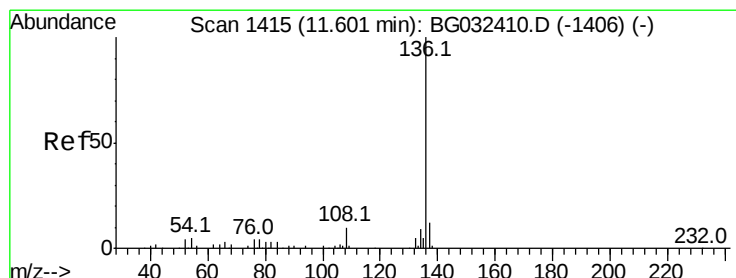
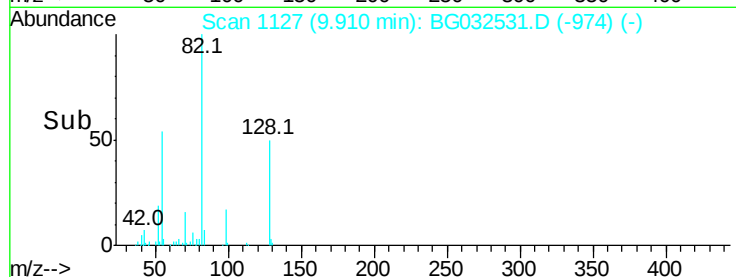
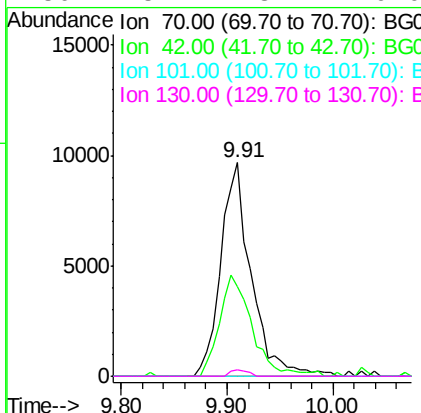
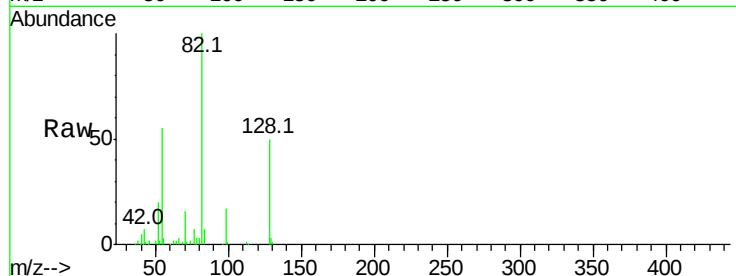




#19
 n-Nitroso-di-n-propylamine
 Concen: 19.276 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. 0.37 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

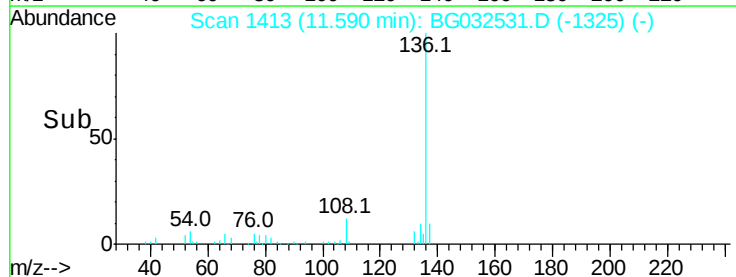
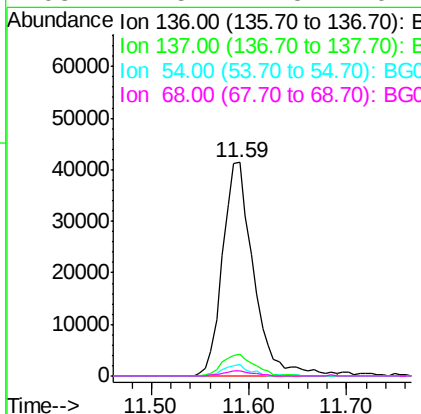
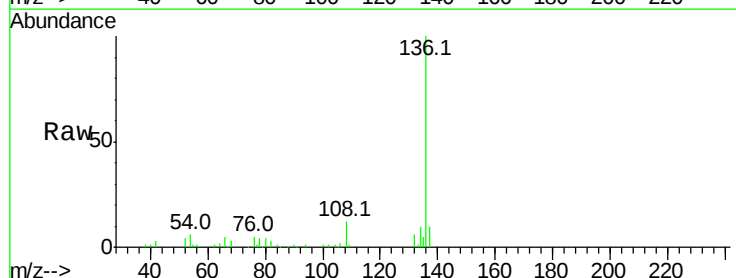
Instrument :
 BNA_G
 ClientSampleId :

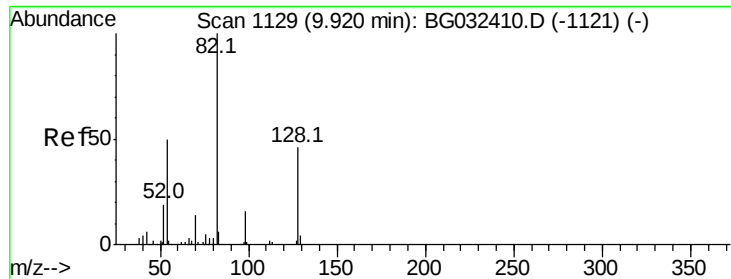
Tot Ion:	70	Resp:	19292
Ion	Ratio	Lower	Upper
70	100		
42	41.9	49.1	73.7#
101	0.0	8.5	12.7#
130	3.2	13.4	20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.59 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Tgt Ion:	136	Resp:	91364
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	5.6	10.3	15.5#
68	2.5	4.5	6.7#

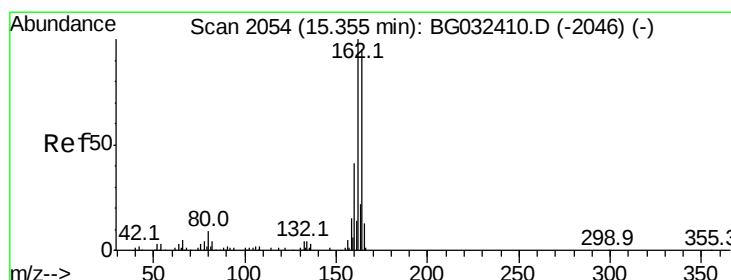
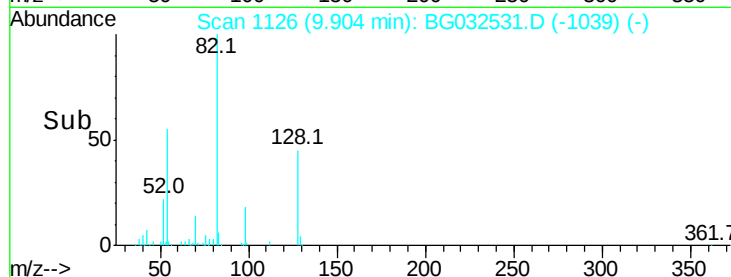
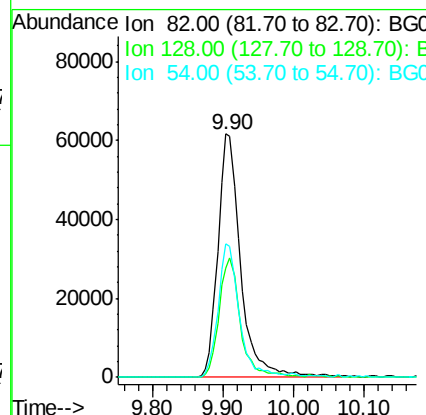
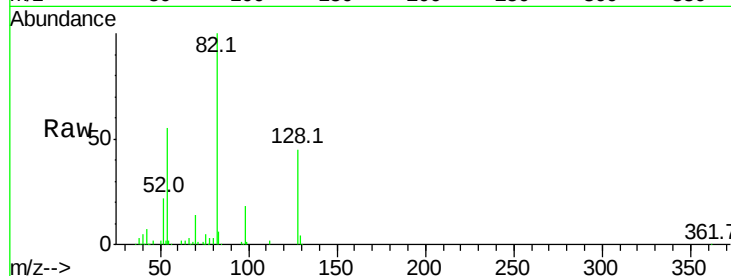




#23
Nitrobenzene-d5
Concen: 94.558 ng
RT: 9.90 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BG032531.D
Acq: 3 Feb 2018 3:48

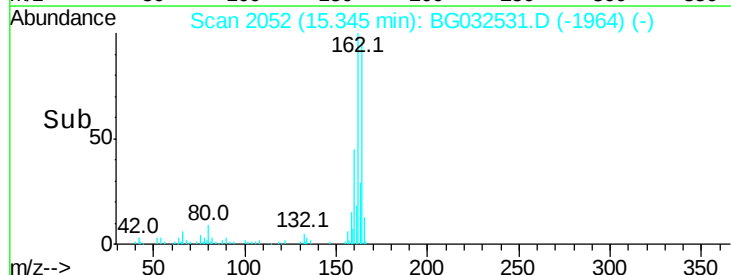
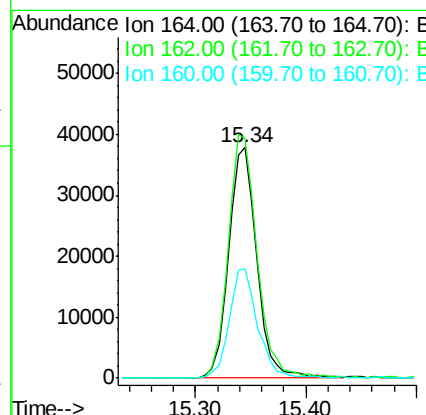
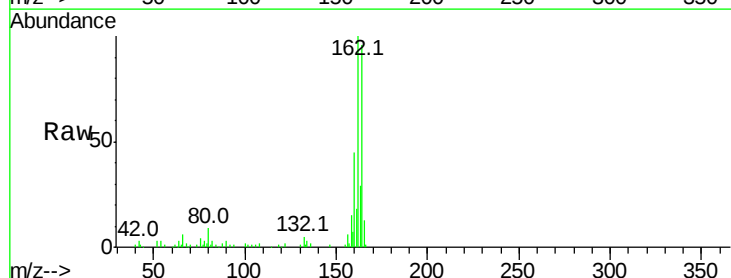
Instrument :
BNA_G
ClientSampleId :

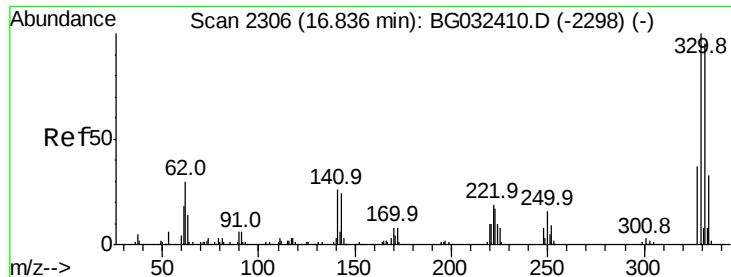
Tot Ion: 82 Resp: 138315
Ion Ratio Lower Upper
82 100
128 45.0 29.7 44.5#
54 54.7 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032531.D
Acq: 3 Feb 2018 3:48

Tgt Ion:164 Resp: 67325
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 47.2 35.4 53.0

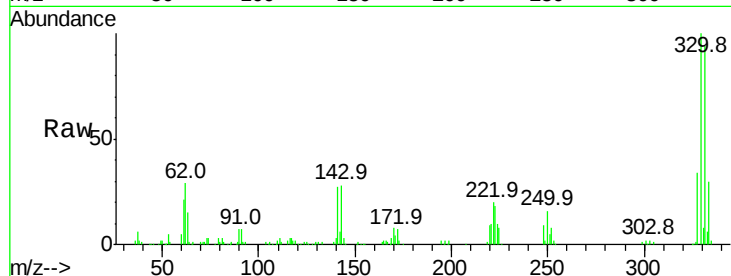




#41
 2,4,6-Tribromophenol
 Concen: 118.432 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	27.5	25.2	37.8

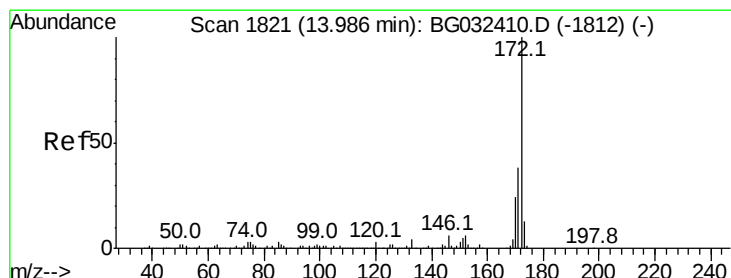
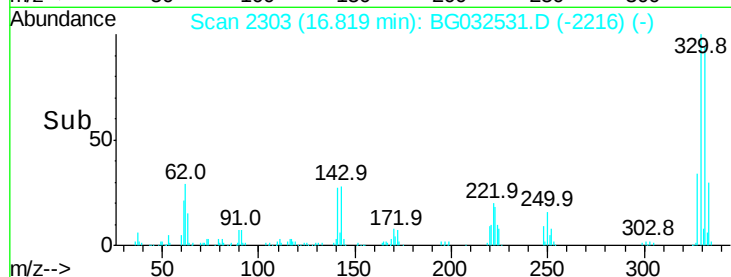
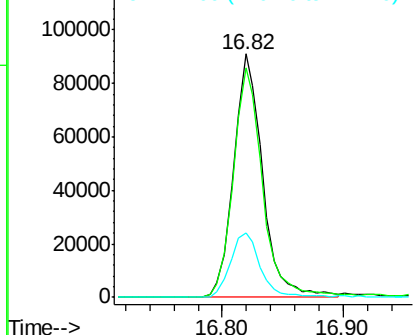


Abundance

Ion 329.80 (329.50 to 330.50): E

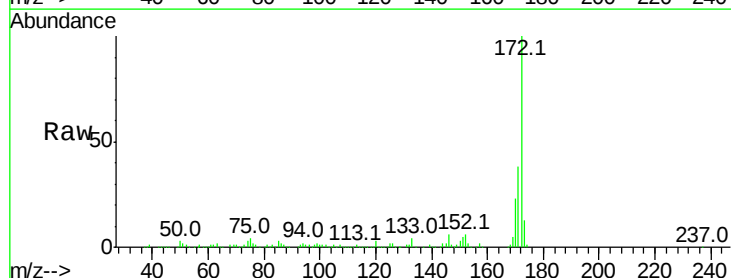
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.072 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.4	19.5	29.3

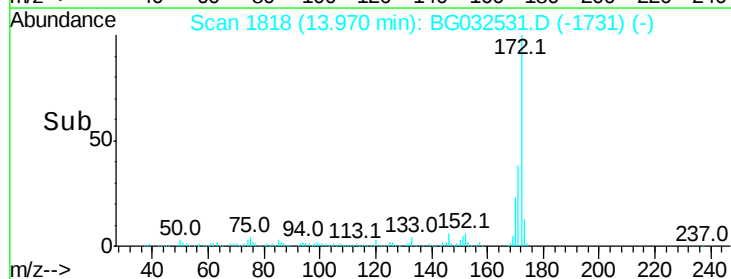
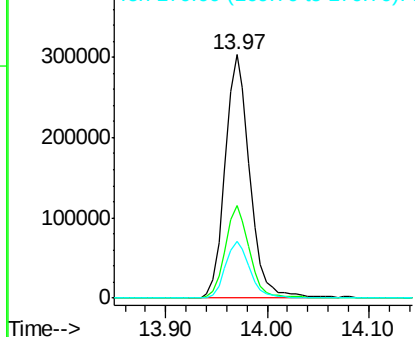


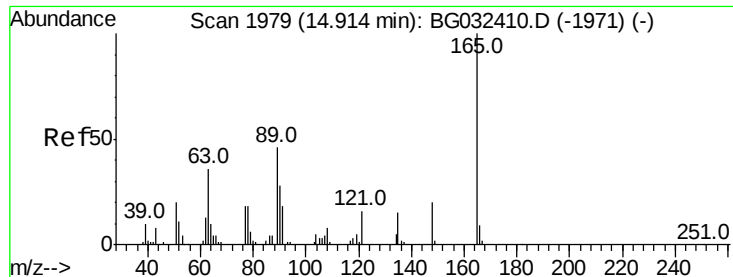
Abundance

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

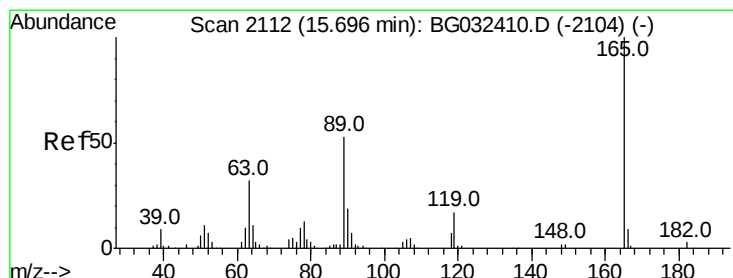
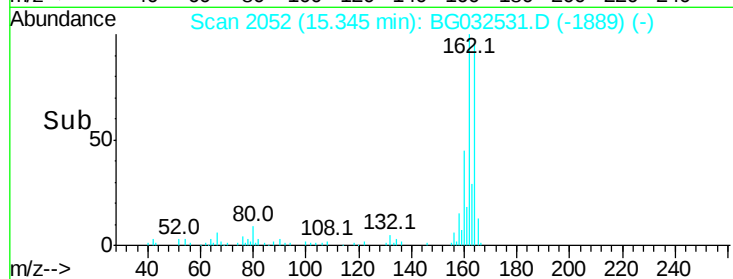
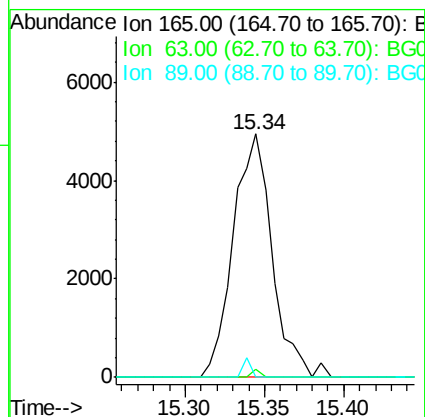
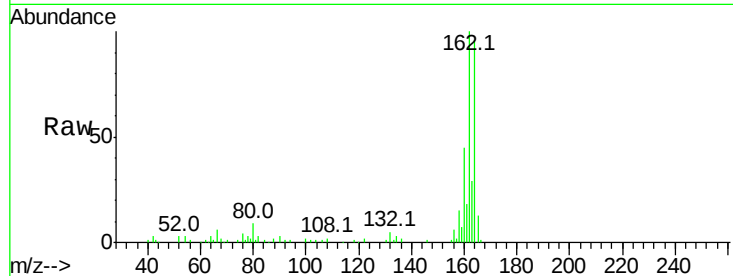




#50
2,6-Dinitrotoluene
Concen: 6.452 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032531.D
Acq: 3 Feb 2018 3:48

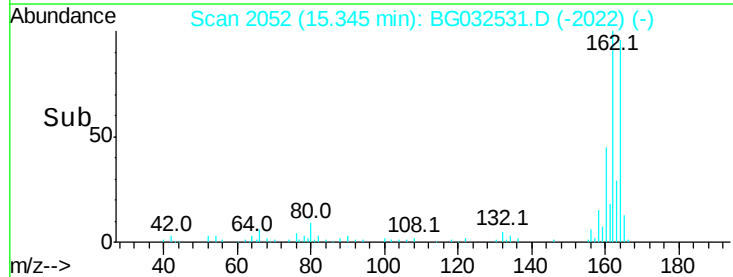
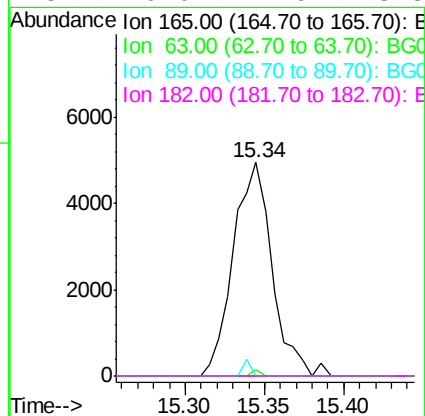
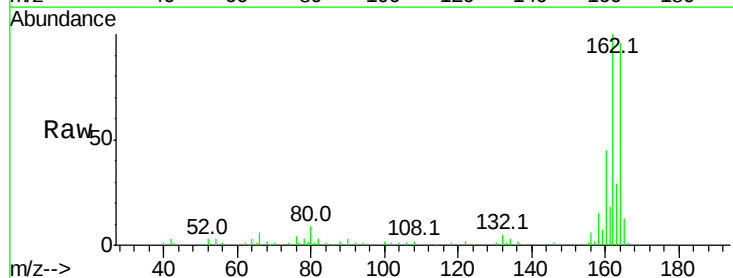
Instrument :
BNA_G
ClientSampleId :

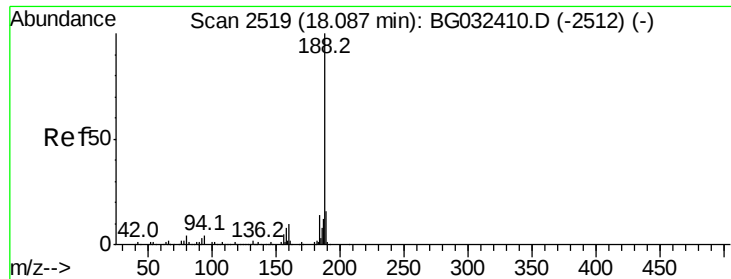
Tot Ion:165 Resp: 8406
Ion Ratio Lower Upper
165 100
63 3.1 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.531 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032531.D
Acq: 3 Feb 2018 3:48

Tgt Ion:165 Resp: 8406
Ion Ratio Lower Upper
165 100
63 3.1 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: BG032531.D

Acq: 3 Feb 2018 3:48

Instrument :

BNA_G

ClientSampleId :

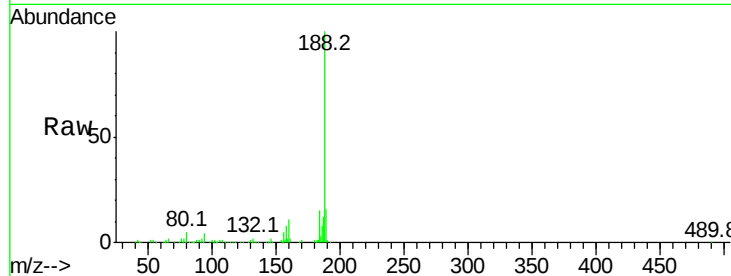
Tot Ion:188 Resp: 187044

Ion Ratio Lower Upper

188 100

94 3.9 6.9 10.3#

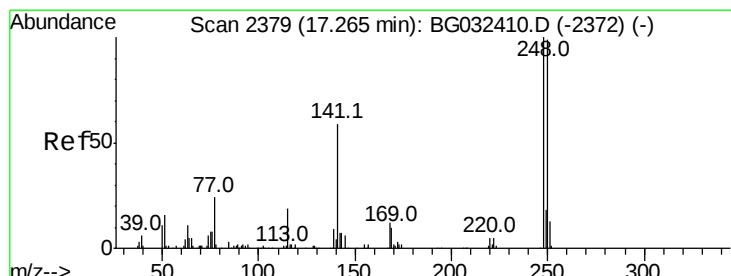
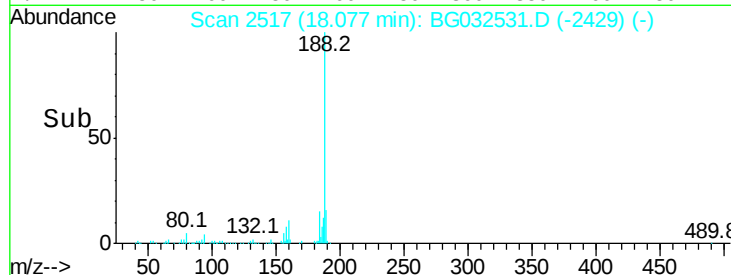
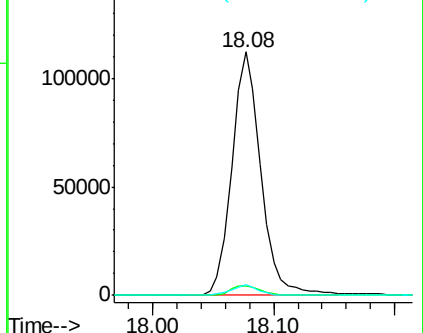
80 4.6 7.7 11.5#



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: 4.640 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.45 min

Lab File: BG032531.D

Acq: 3 Feb 2018 3:48

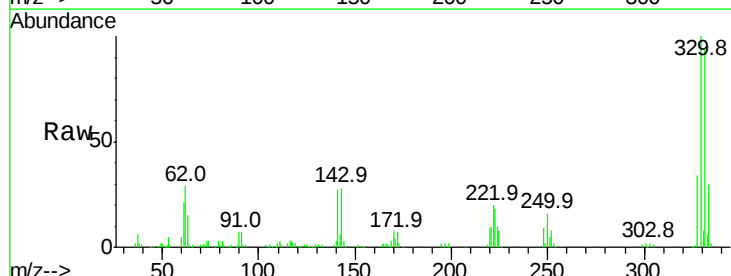
Tgt Ion:248 Resp: 12859

Ion Ratio Lower Upper

248 100

250 178.0 77.1 115.7#

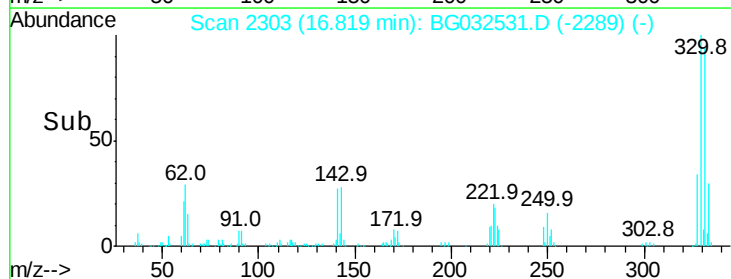
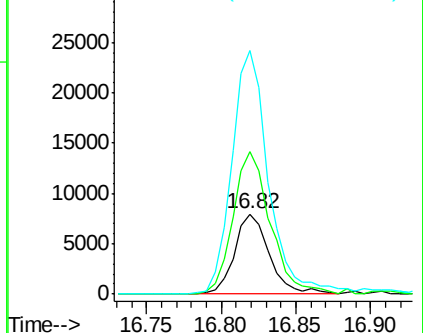
141 304.8 50.8 76.2#

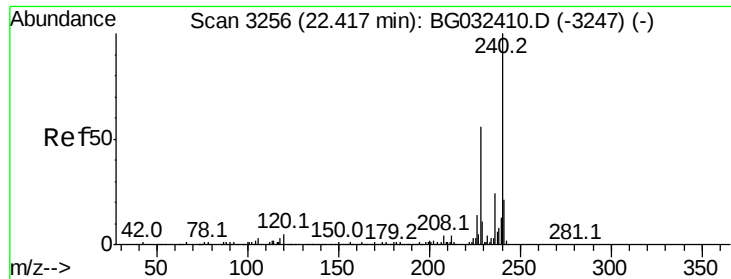


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

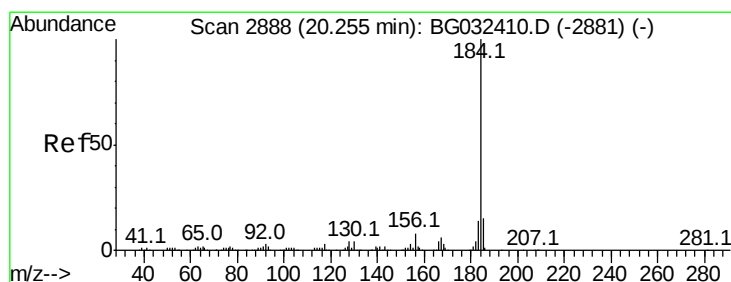
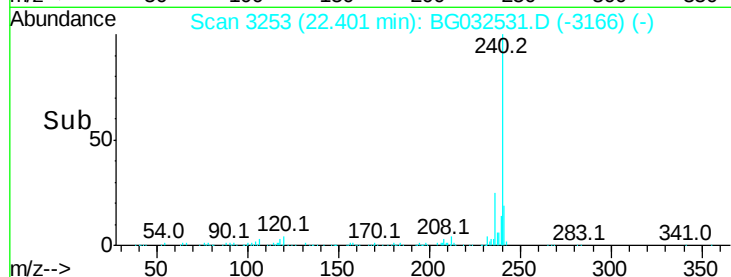
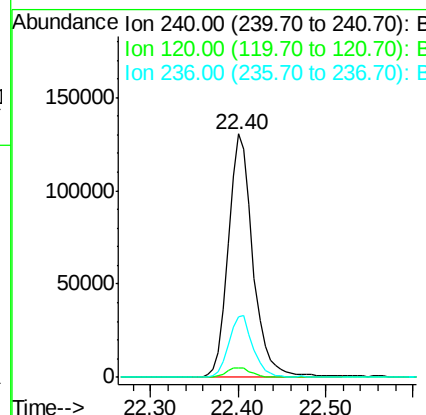
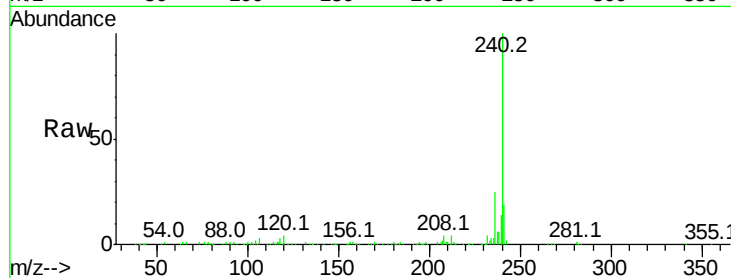




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.40 min Scan# 3253
 Delta R.T. -0.02 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

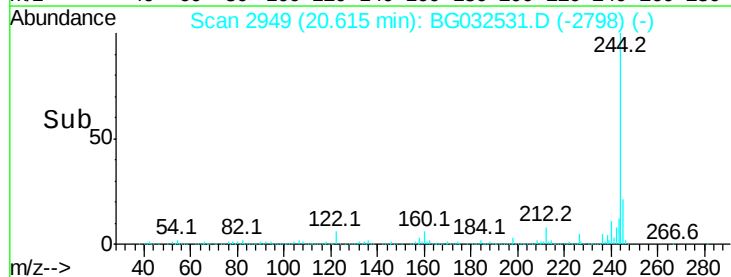
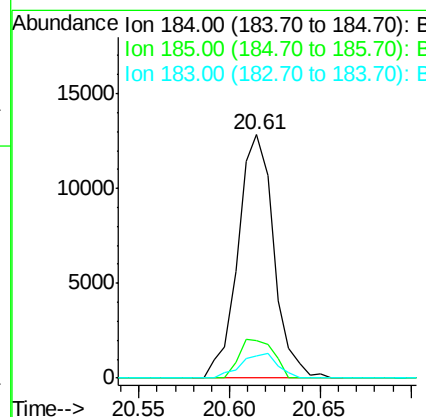
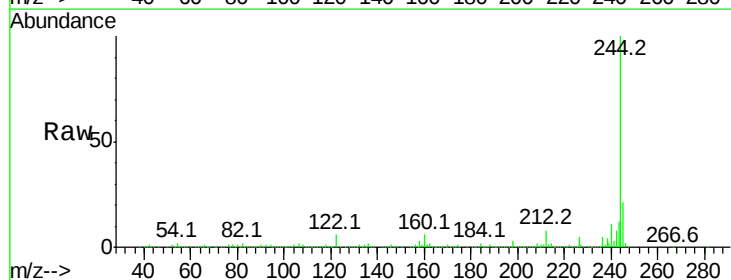
Instrument :
 BNA_G
 ClientSampleId :

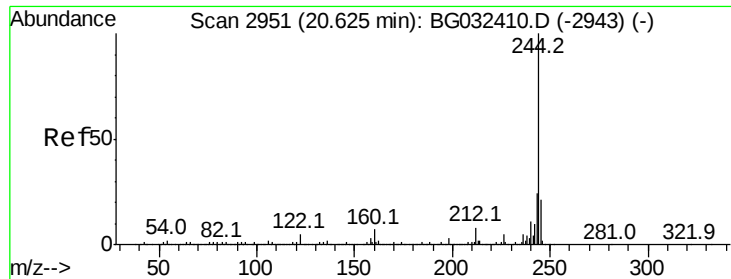
Tot Ion:240 Resp: 253494
 Ion Ratio Lower Upper
 240 100
 120 3.8 6.8 10.2#
 236 24.7 20.9 31.3



#76
 Benzidine
 Concen: 3.543 ng
 RT: 20.61 min Scan# 2949
 Delta R.T. 0.36 min
 Lab File: BG032531.D
 Acq: 3 Feb 2018 3:48

Tgt Ion:184 Resp: 17635
 Ion Ratio Lower Upper
 184 100
 185 15.3 11.1 16.7
 183 9.1 10.6 16.0#





#78

Terphenyl-d14

Concen: 99.177 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032531.D

Acq: 3 Feb 2018 3:48

Instrument :

BNA_G

ClientSampleId :

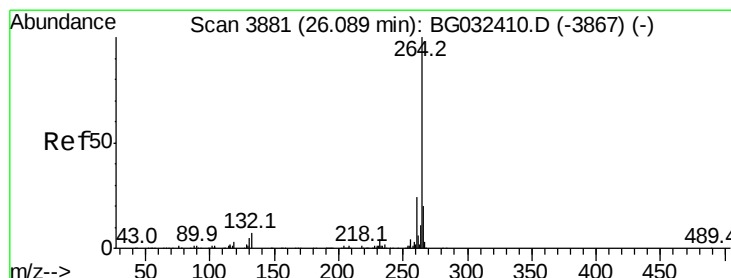
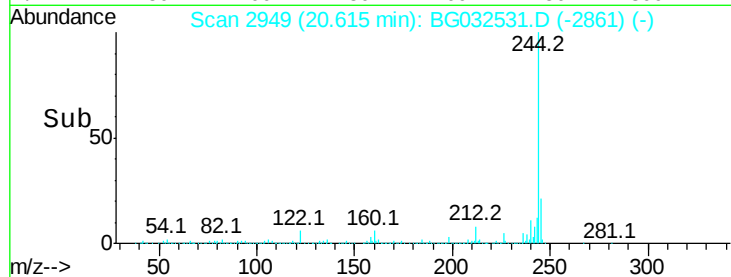
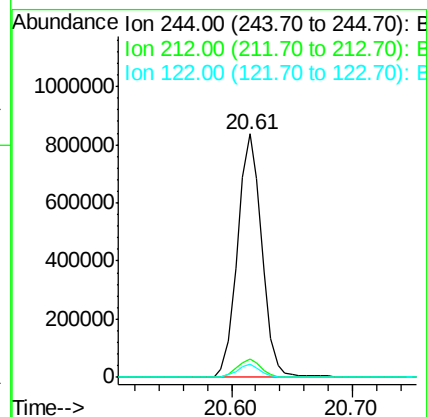
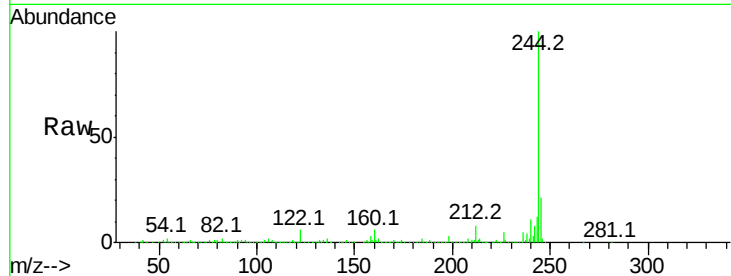
Tot Ion:244 Resp: 1173664

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 5.7 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.08 min Scan# 3879

Delta R.T. -0.01 min

Lab File: BG032531.D

Acq: 3 Feb 2018 3:48

Tgt Ion:264 Resp: 253275

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 22.0 17.7 26.5

