

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020918\
 Data File : BG032637.D
 Acq On : 9 Feb 2018 18:57
 Operator : SJ/JU
 Sample : J1507-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 23:21:40 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

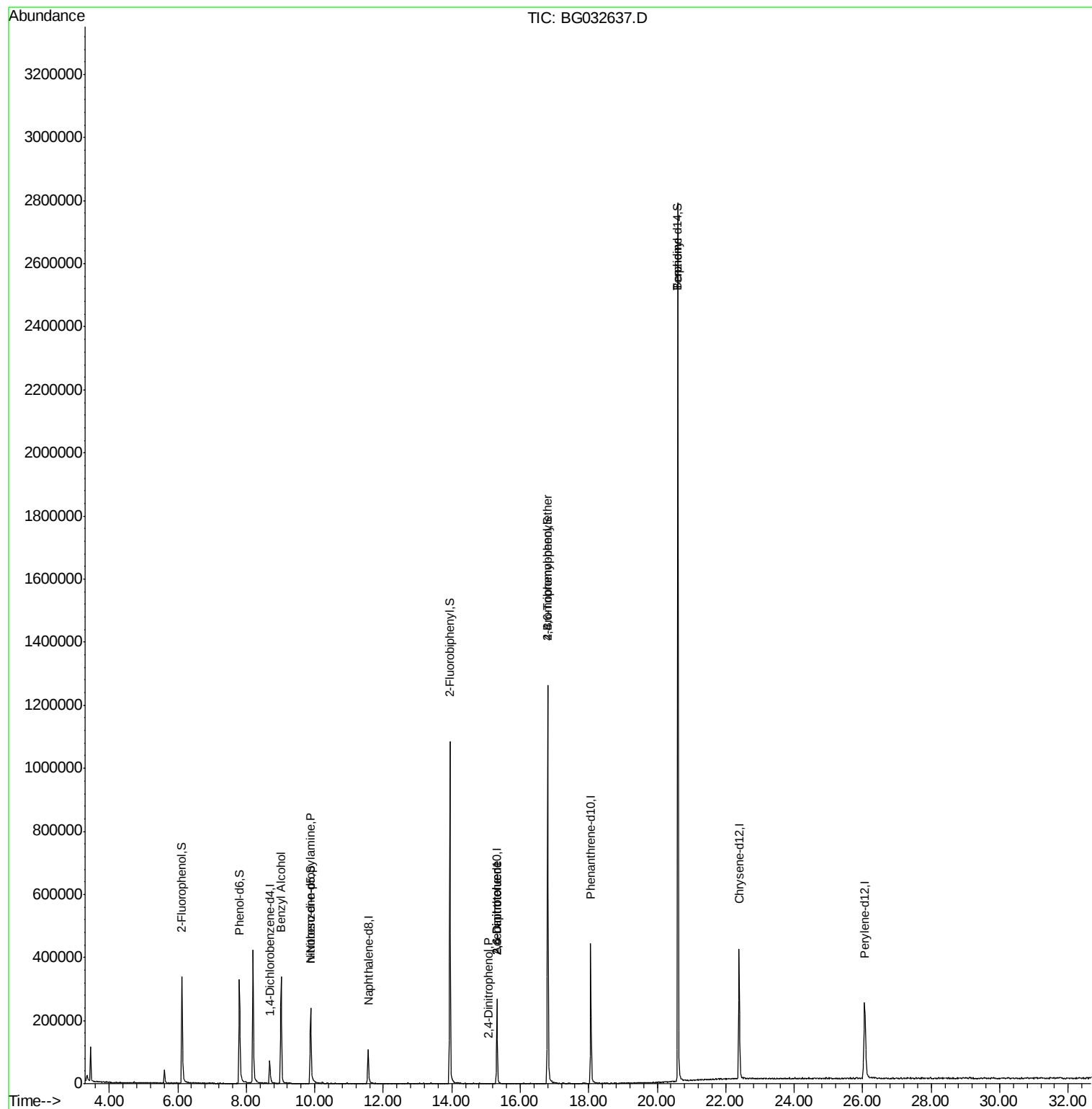
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	28305	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	120008	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	107921	20.00	ng	-0.03
63) Phenanthrene-d10	18.06	188	347838	20.00	ng	-0.02
75) Chrysene-d12	22.39	240	356338	20.00	ng	-0.02
86) Perylene-d12	26.06	264	370523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	190024	134.84	ng	-0.02
7) Phenol-d6	7.80	99	224730	119.51	ng	-0.02
23) Nitrobenzene-d5	9.88	82	180769	94.08	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	279655	136.13	ng	-0.02
44) 2-Fluorobiphenyl	13.95	172	683378	75.26	ng	-0.02
78) Terphenyl-d14	20.60	244	1531367	92.06	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.02	79	3147	2.03	ng	# 40
19) n-Nitroso-di-n-propylamine	9.88	70	25867	20.75	ng	# 72
50) 2,6-Dinitrotoluene	15.32	165	14001	6.70	ng	# 20
53) 2,4-Dinitrophenol	15.08	184	56	4.15	ng	# 1
56) 2,4-Dinitrotoluene	15.32	165	14001	4.71	ng	# 18
66) 4-Bromophenyl-phenylether	16.80	248	24778	4.81	ng	# 1
76) Benzdine	20.60	184	24011	3.43	ng	# 88

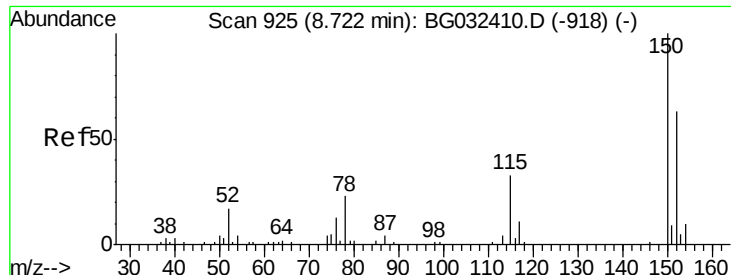
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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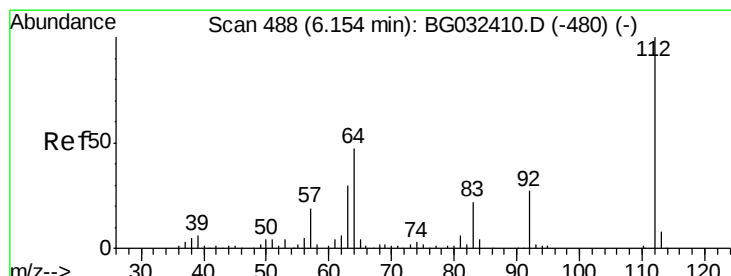
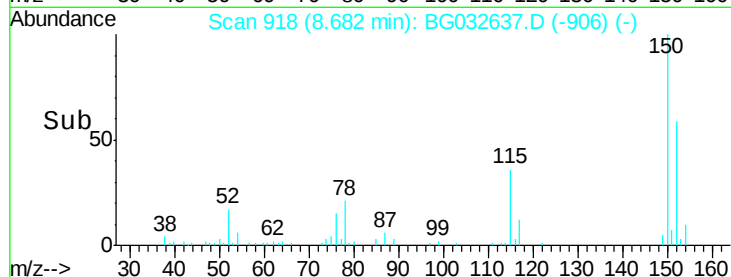
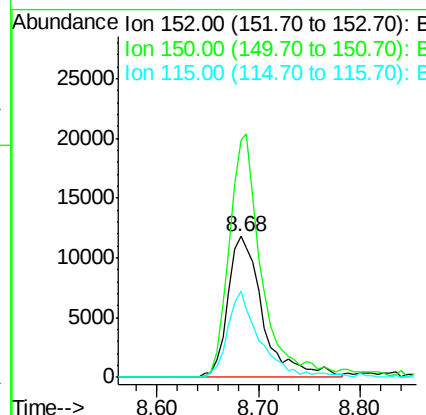
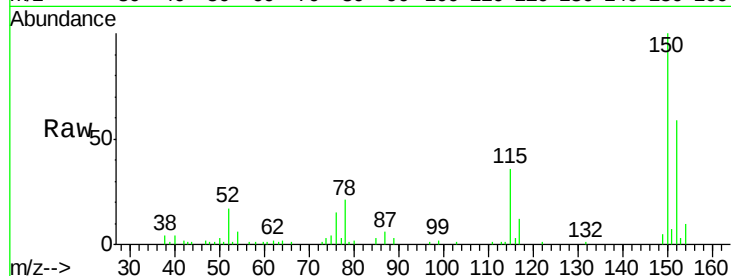


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032637.D
Acq: 9 Feb 2018 18:57

Instrument :
BNA_G
ClientSampled :

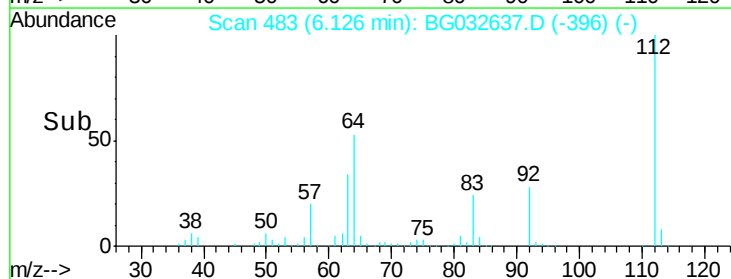
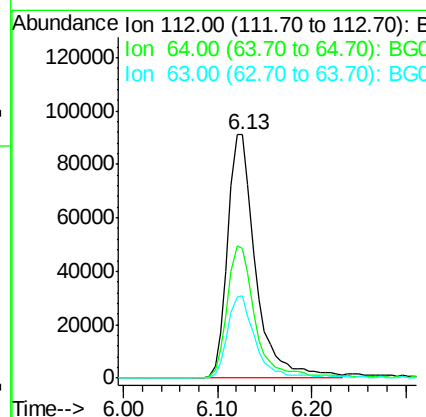
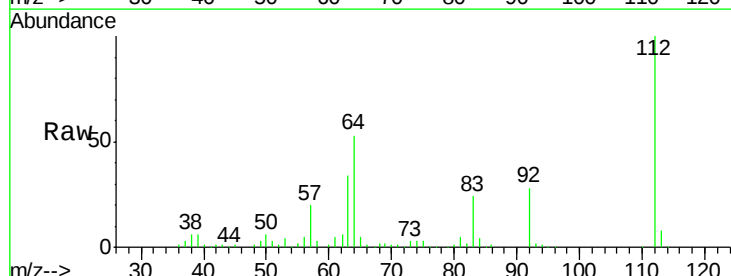
Tot Ion:152 Resp: 28305
Ion Ratio Lower Upper
152 100
150 168.6 126.6 189.8
115 61.2 53.0 79.4

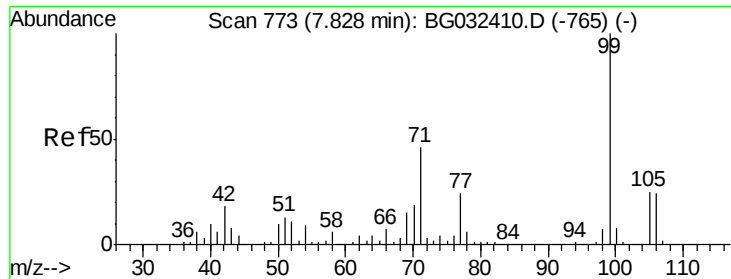


#5

2-Fluorophenol
Concen: 134.84 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032637.D
Acq: 9 Feb 2018 18:57

Tgt Ion:112 Resp: 190024
Ion Ratio Lower Upper
112 100
64 53.2 56.3 84.5#
63 33.6 30.1 45.1





#7

Phenol-d6

Concen: 119.51 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

Instrument :

BNA_G

ClientSampleId :

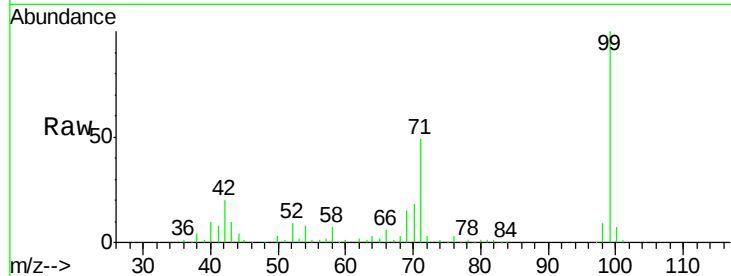
Tot Ion: 99 Resp: 224730

Ion Ratio Lower Upper

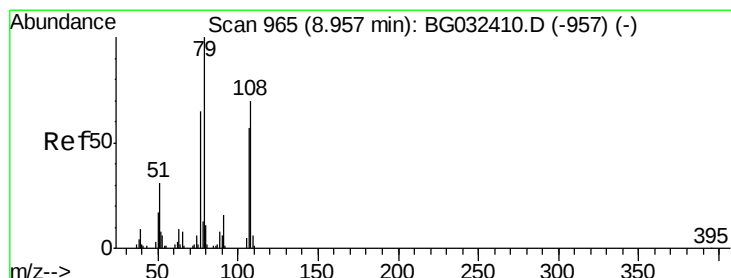
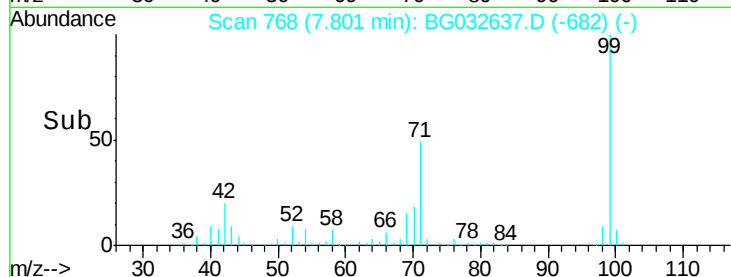
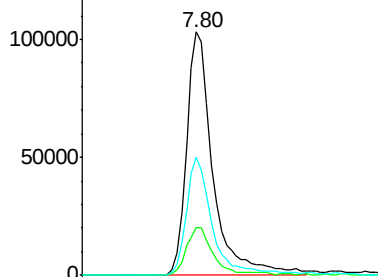
99 100

42 19.7 14.1 21.1

71 48.8 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: 2.03 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

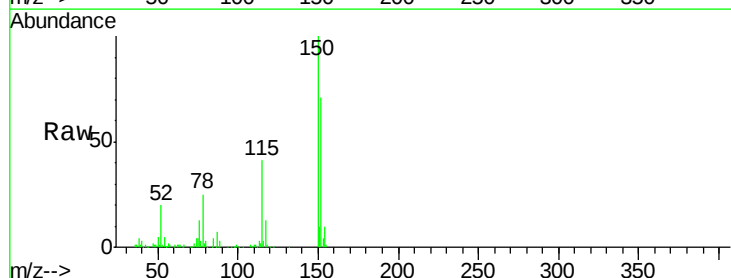
Tgt Ion: 79 Resp: 3147

Ion Ratio Lower Upper

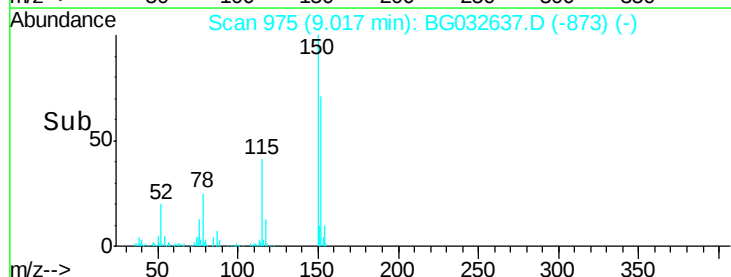
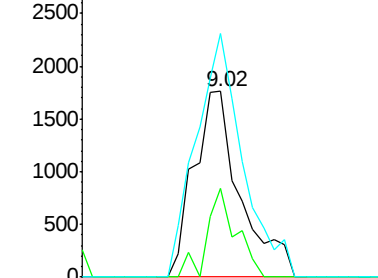
79 100

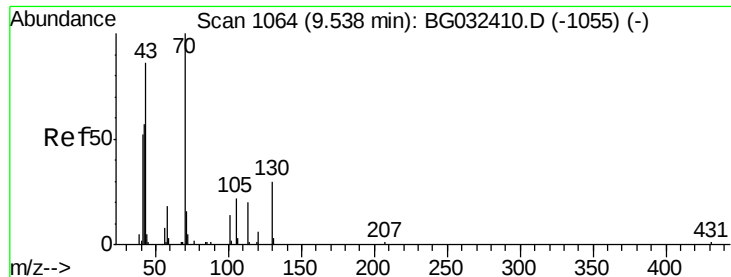
108 47.6 57.2 85.8#

77 131.0 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

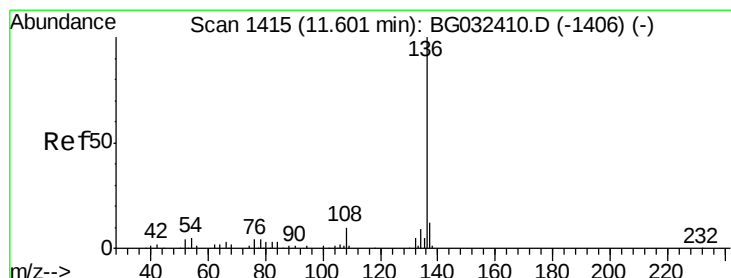
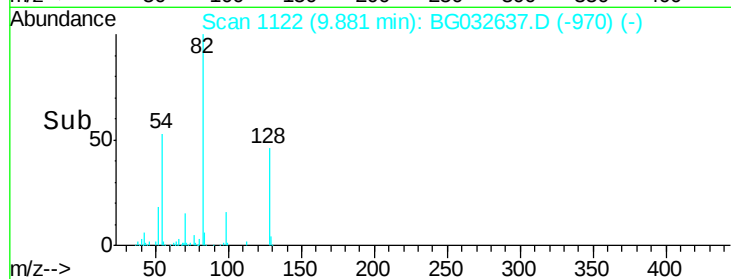
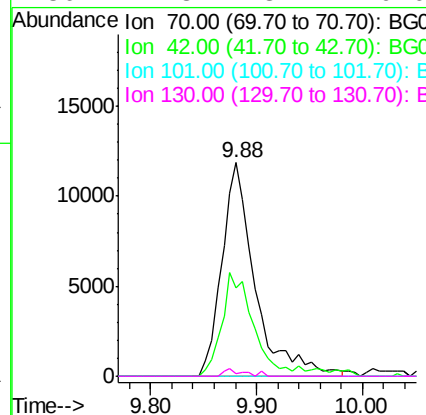
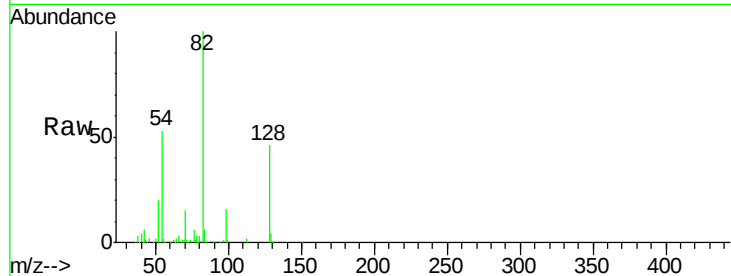




#19
 n-Nitroso-di-n-propylamine
 Concen: 20.75 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. 0.37 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

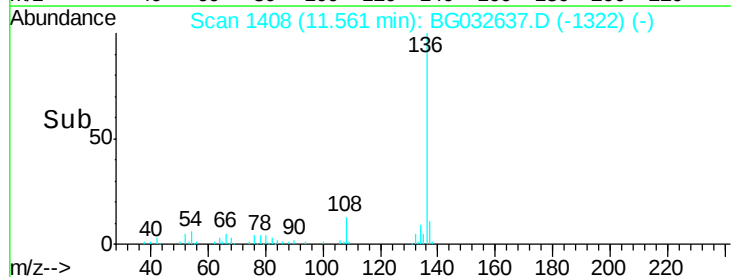
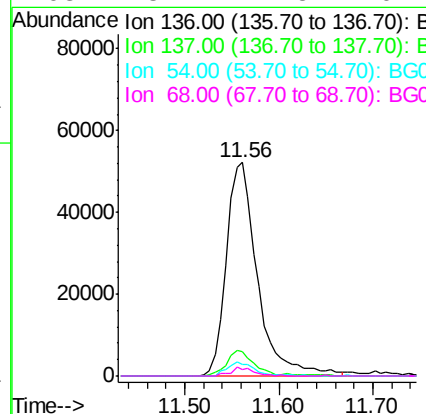
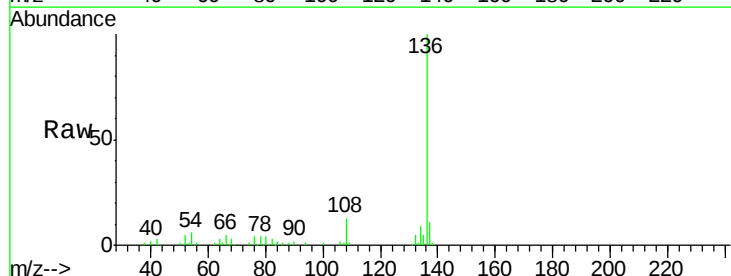
Instrument :
 BNA_G
 ClientSampleId :

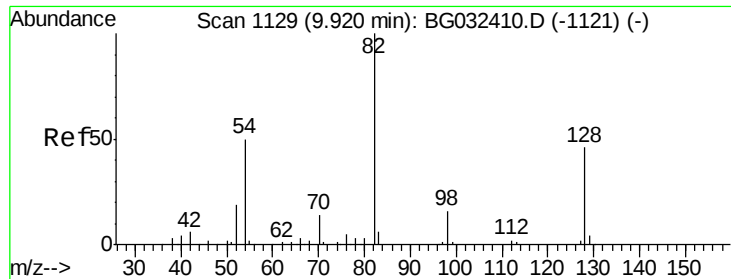
Tot Ion: 70 Resp: 25867
 Ion Ratio Lower Upper
 70 100
 42 41.4 49.1 73.7#
 101 0.0 8.5 12.7#
 130 1.3 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 11.56 min Scan# 1408
 Delta R.T. -0.02 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Tgt Ion: 136 Resp: 120008
 Ion Ratio Lower Upper
 136 100
 137 11.3 9.2 13.8
 54 5.5 10.3 15.5#
 68 3.2 4.5 6.7#

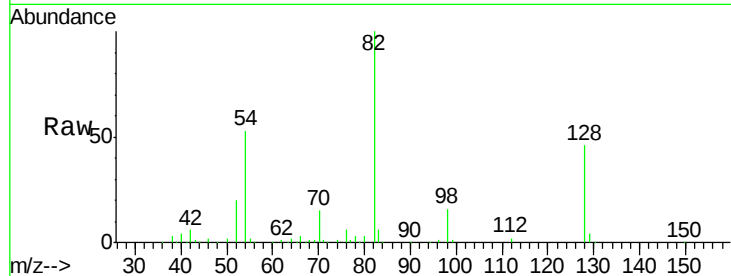




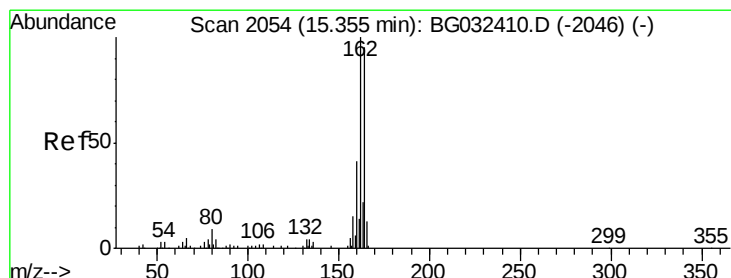
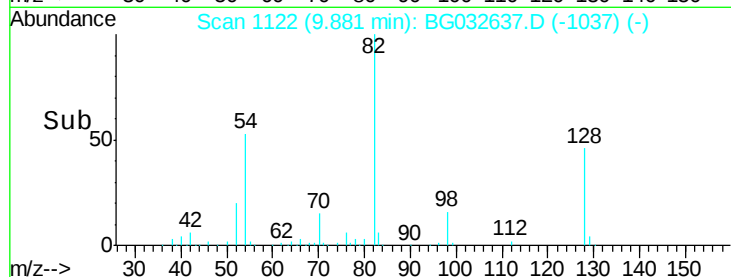
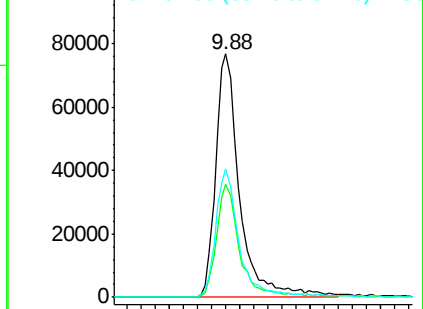
#23
 Nitrobenzene-d5
 Concen: 94.08 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	180769
Ion Ratio	100	Lower	Upper
128	46.2	29.7	44.5#
54	52.5	43.1	64.7

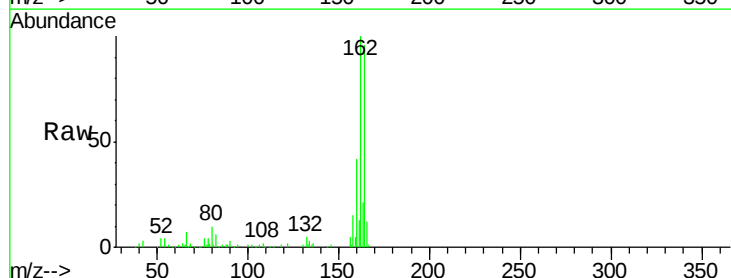


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

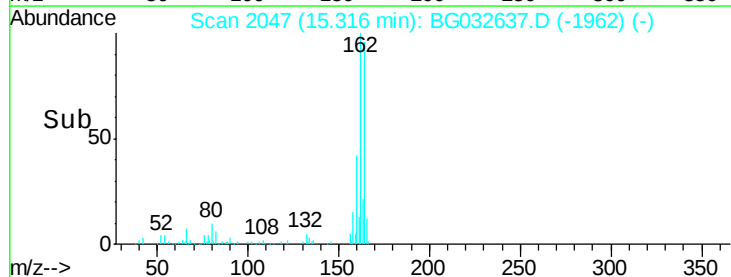
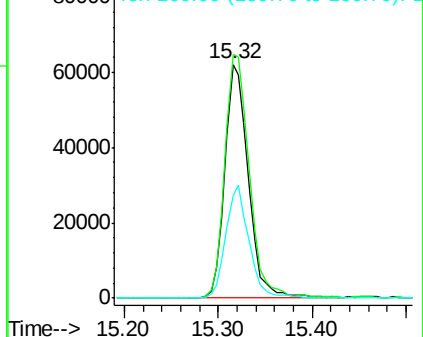


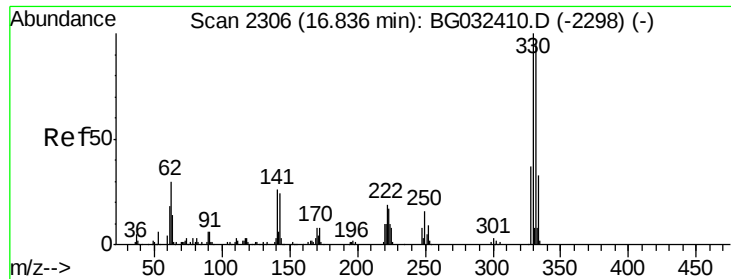
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. -0.03 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Tgt Ion	164	Resp	107921
Ion Ratio	100	Lower	Upper
162	104.3	78.8	118.2
160	44.1	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 136.13 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

Instrument :

BNA_G

ClientSampleId :

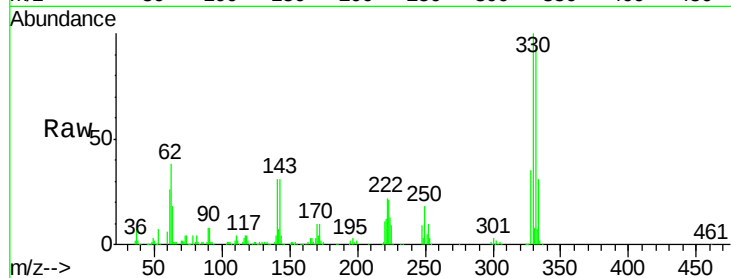
Tot Ion:330 Resp: 279655

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

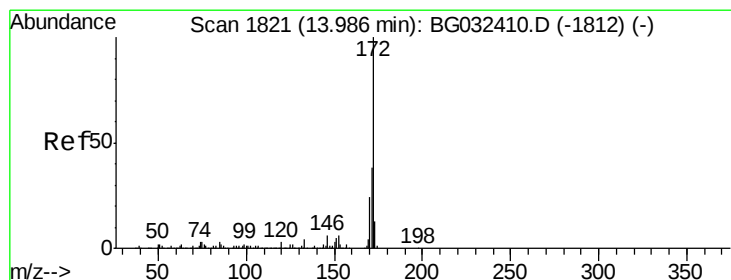
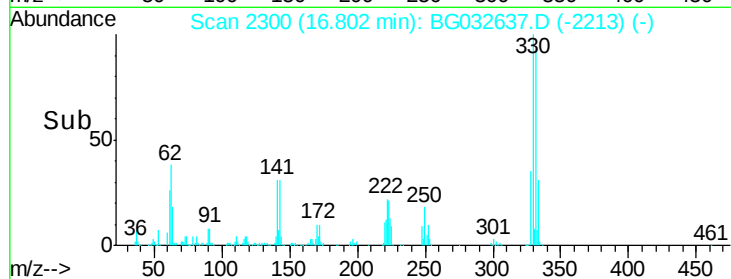
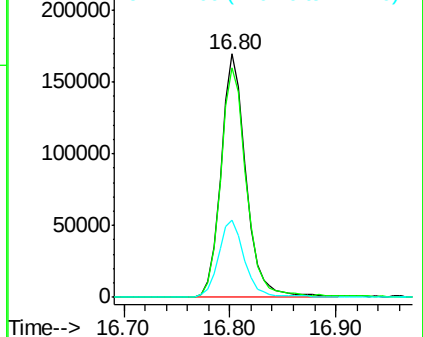
141 33.2 25.2 37.8



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: 75.26 ng

RT: 13.95 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

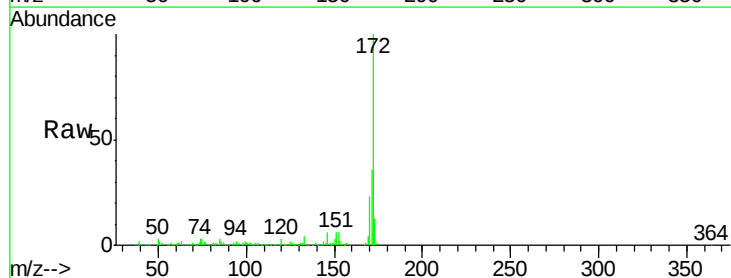
Tgt Ion:172 Resp: 683378

Ion Ratio Lower Upper

172 100

171 36.1 30.0 45.0

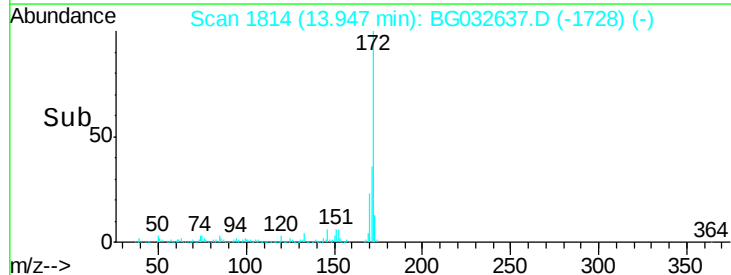
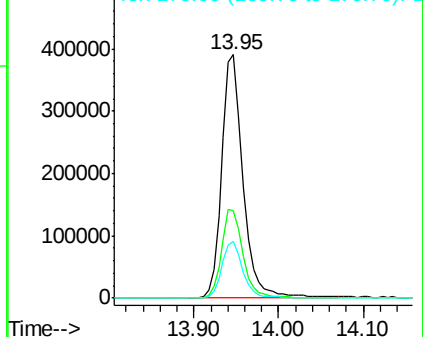
170 23.4 19.5 29.3

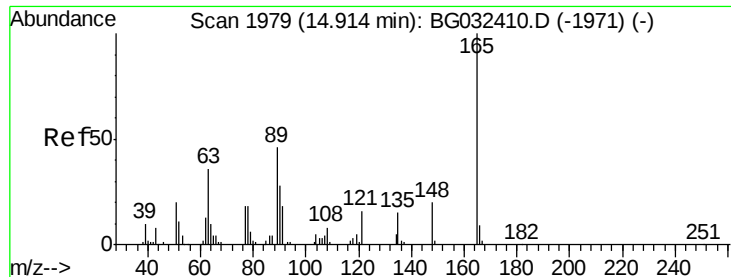


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

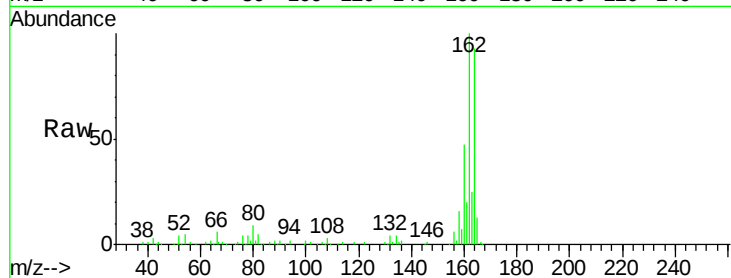




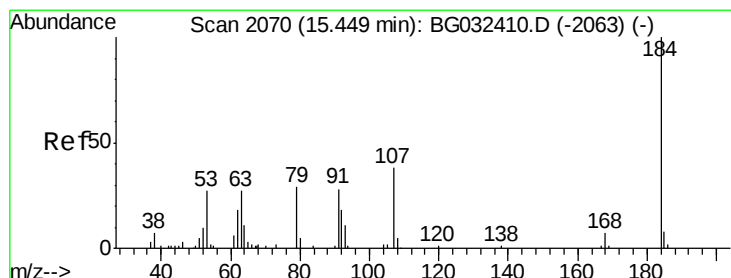
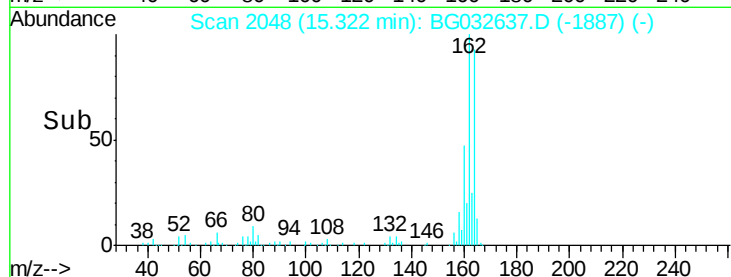
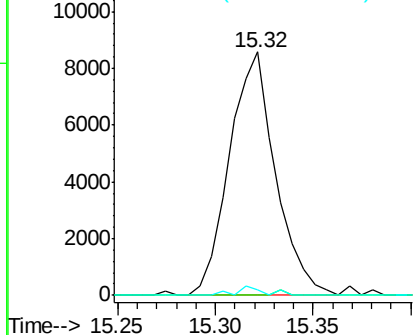
#50
 2,6-Dinitrotoluene
 Concen: 6.70 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. 0.42 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14001
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.2 49.2 73.8#

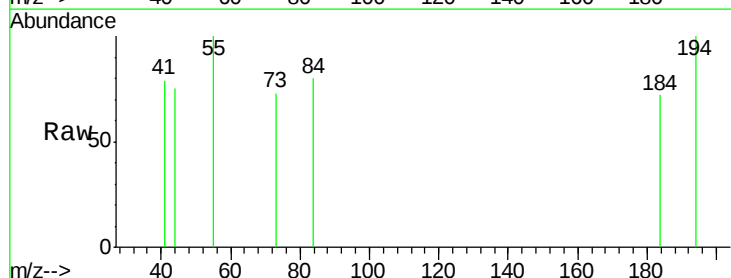


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

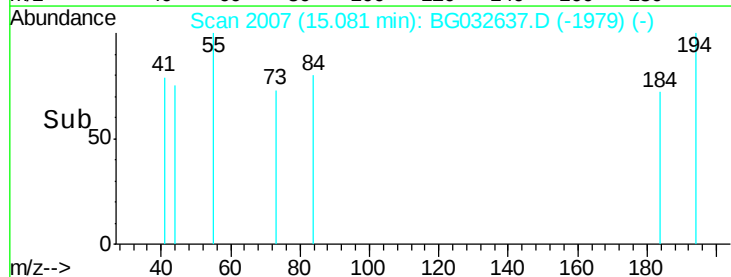
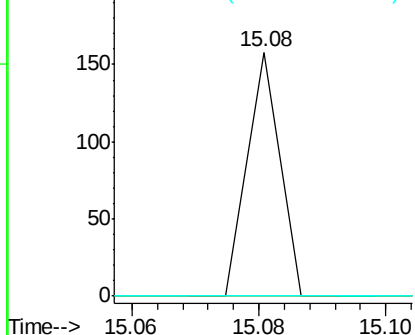


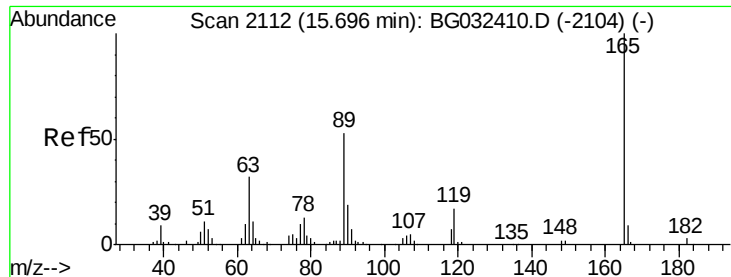
#53
 2,4-Dinitrophenol
 Concen: 4.15 ng
 RT: 15.08 min Scan# 2007
 Delta R.T. -0.36 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

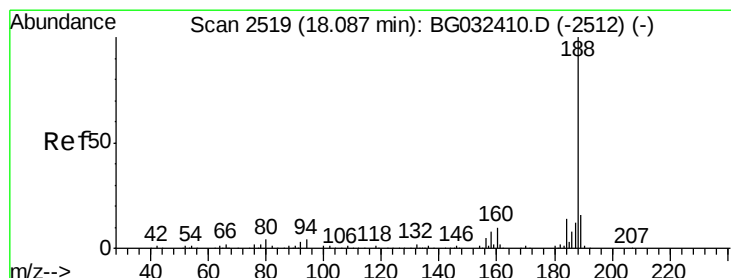
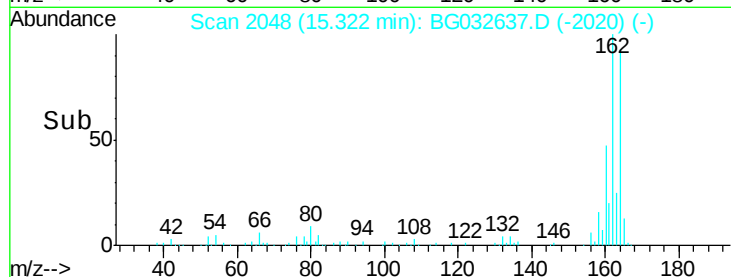
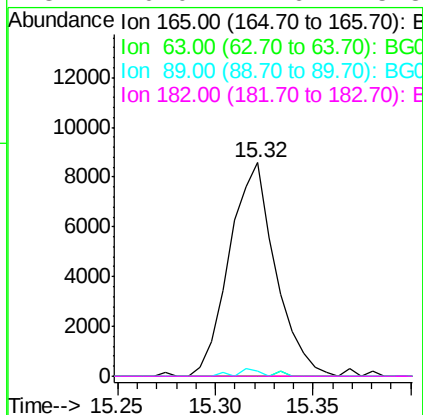
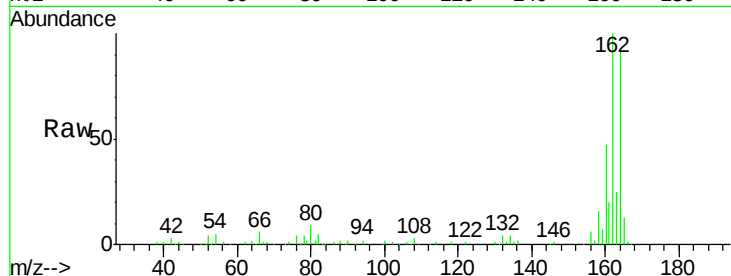




#56
 2,4-Dinitrotoluene
 Concen: 4.71 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.36 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

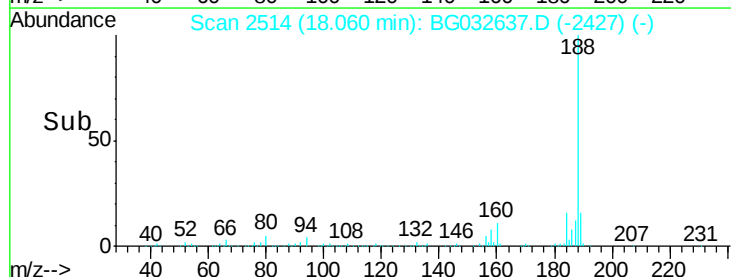
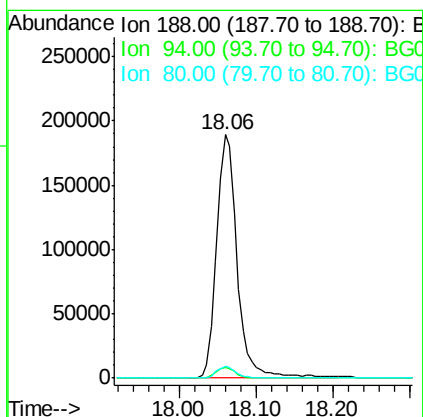
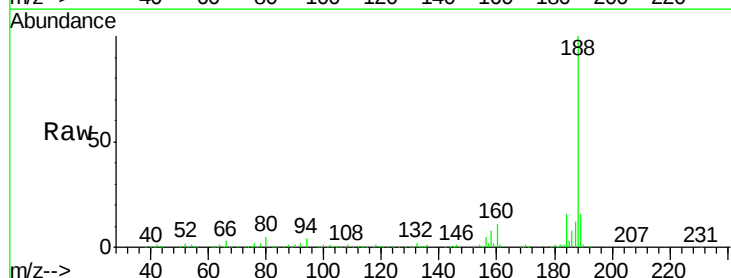
Instrument :
 BNA_G
 ClientSampleId :

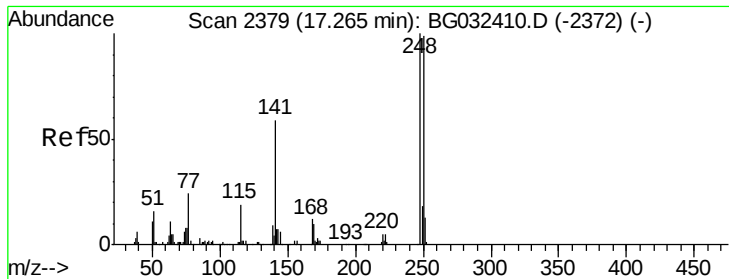
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.06 min Scan# 2514
 Delta R.T. -0.02 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.7	7.7	11.5#

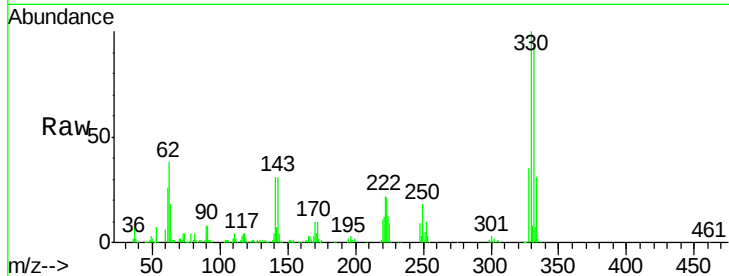




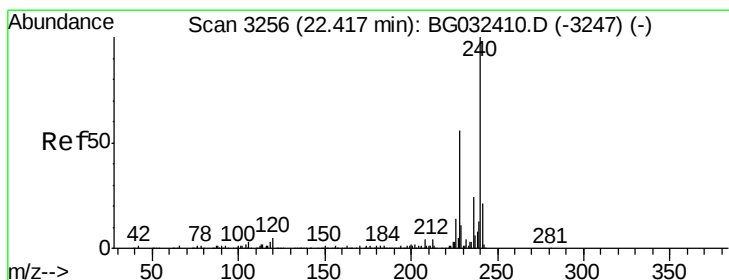
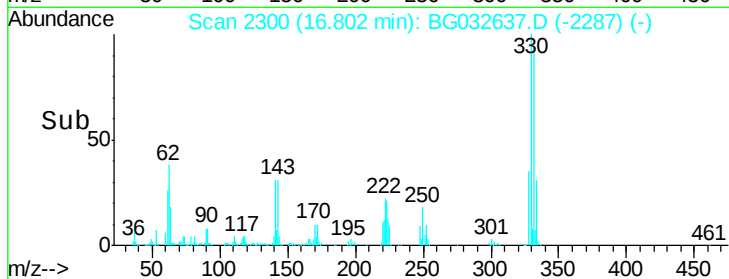
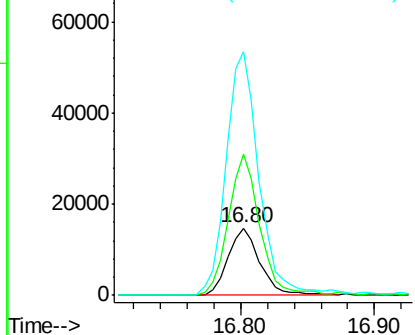
#66
4-Bromophenyl-phenylether
Concen: 4.81 ng
RT: 16.80 min Scan# 2300
Delta R.T. -0.45 min
Lab File: BG032637.D
Acq: 9 Feb 2018 18:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 24778
Ion Ratio Lower Upper
248 100
250 208.4 77.1 115.7#
141 360.3 50.8 76.2#

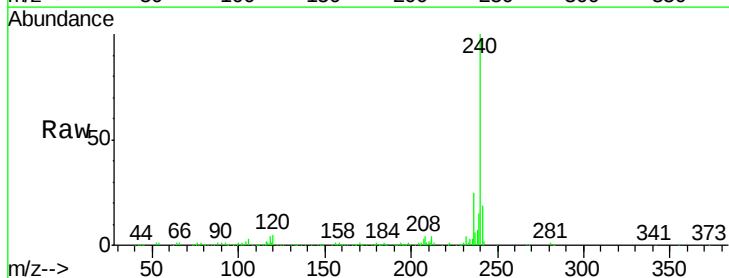


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

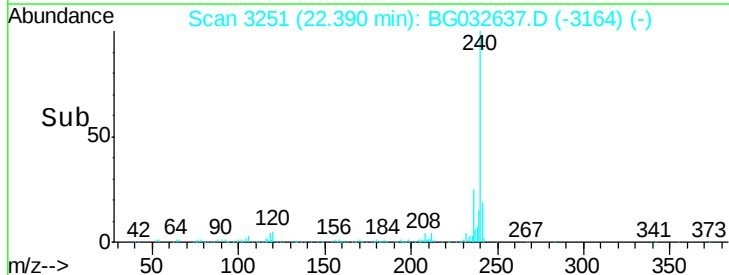
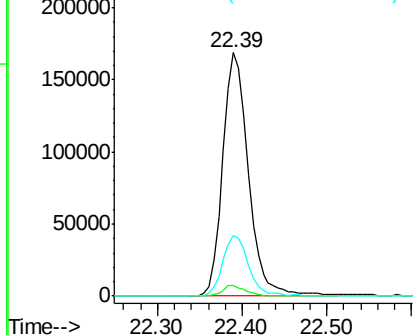


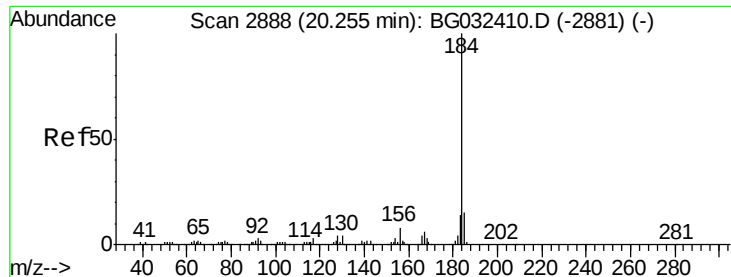
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.39 min Scan# 3251
Delta R.T. -0.02 min
Lab File: BG032637.D
Acq: 9 Feb 2018 18:57

Tgt Ion:240 Resp: 356338
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 24.8 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: 3.43 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

Instrument :

BNA_G

ClientSampleId :

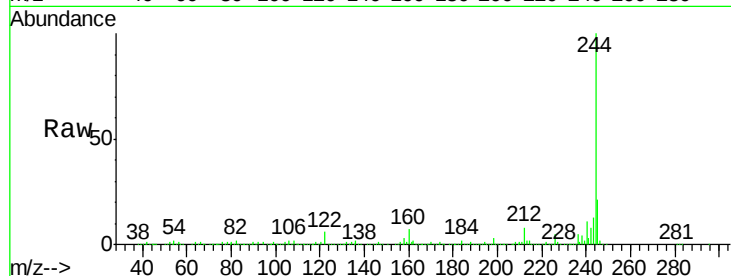
Tot Ion:184 Resp: 24011

Ion Ratio Lower Upper

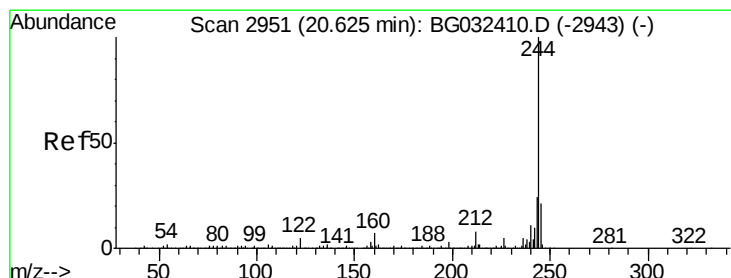
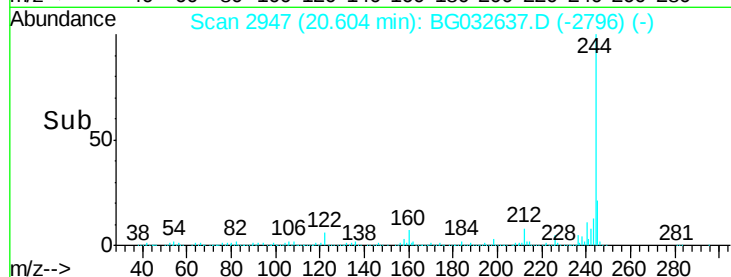
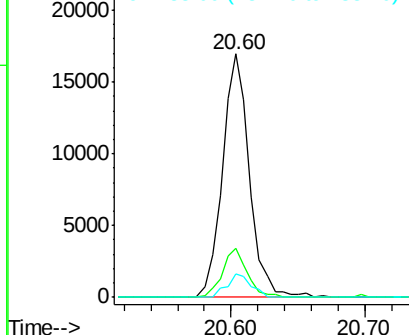
184 100

185 19.9 11.1 16.7#

183 9.4 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: 92.06 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032637.D

Acq: 9 Feb 2018 18:57

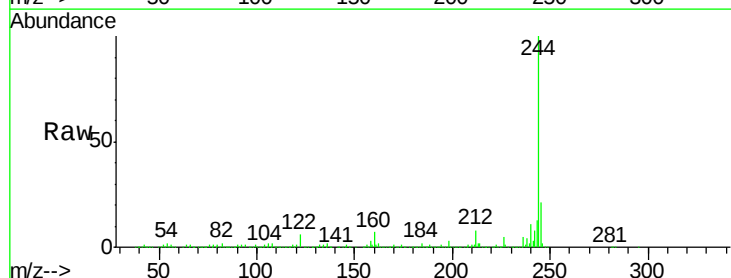
Tgt Ion:244 Resp: 1531367

Ion Ratio Lower Upper

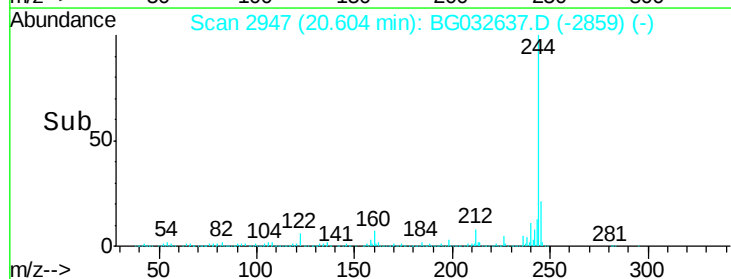
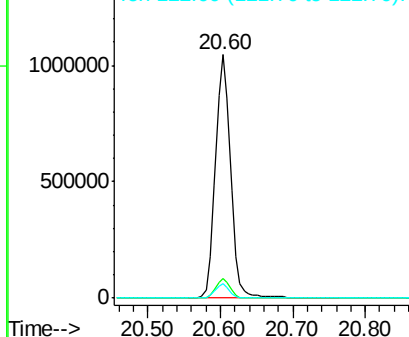
244 100

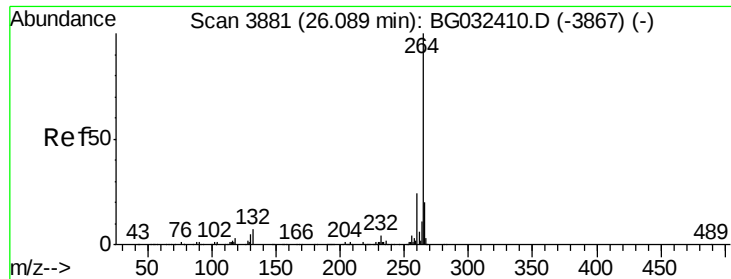
212 7.9 5.8 8.8

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

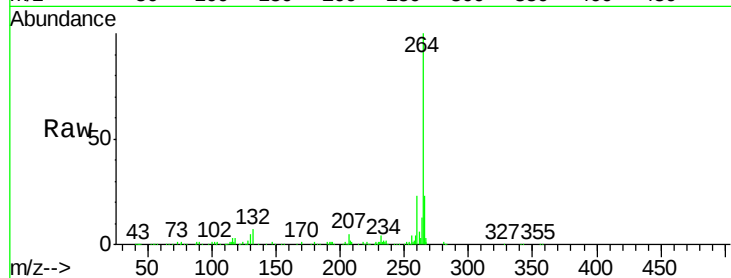




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.06 min Scan# 3876
 Delta R.T. -0.00 min
 Lab File: BG032637.D
 Acq: 9 Feb 2018 18:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	23.0	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

