

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020918\
 Data File : BG032641.D
 Acq On : 9 Feb 2018 21:27
 Operator : SJ/JU
 Sample : J1512-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 23:22:56 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

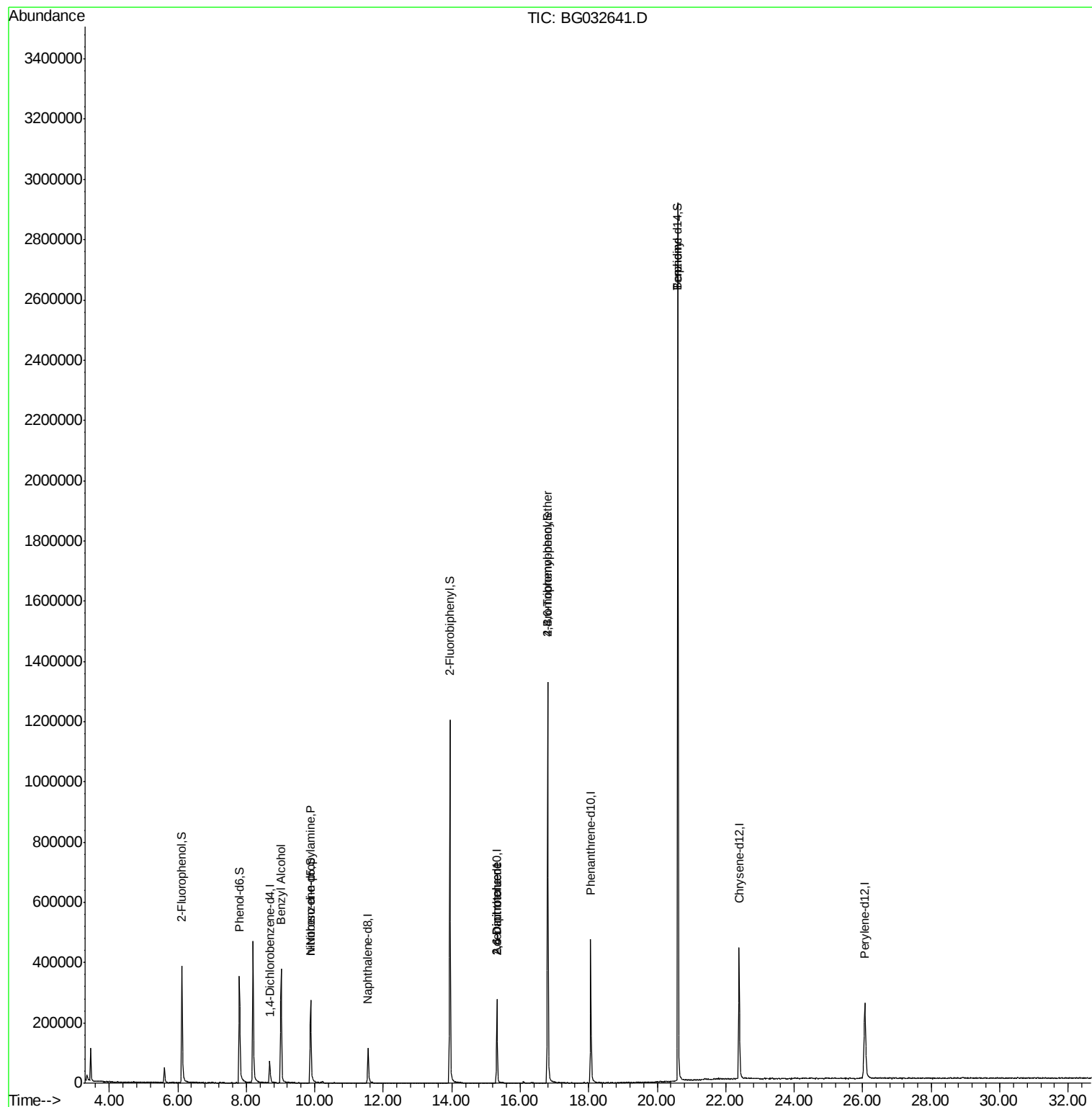
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	28393	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	127226	20.00	ng	-0.03
38) Acenaphthene-d10	15.32	164	112752	20.00	ng	-0.03
63) Phenanthrene-d10	18.06	188	363049	20.00	ng	-0.02
75) Chrysene-d12	22.39	240	370534	20.00	ng	-0.02
86) Perylene-d12	26.06	264	380383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	210235	148.72	ng	-0.02
7) Phenol-d6	7.80	99	239435	126.93	ng	-0.02
23) Nitrobenzene-d5	9.88	82	198262	97.33	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	302947	141.15	ng	-0.02
44) 2-Fluorobiphenyl	13.95	172	753289	79.41	ng	-0.02
78) Terphenyl-d14	20.60	244	1592303	92.05	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.02	79	3711	2.39	ng	# 55
19) n-Nitroso-di-n-propylamine	9.88	70	28135	22.49	ng	# 75
50) 2,6-Dinitrotoluene	15.32	165	14495	6.64	ng	# 18
56) 2,4-Dinitrotoluene	15.32	165	14494	4.67	ng	# 16
66) 4-Bromophenyl-phenylether	16.80	248	28321	5.27	ng	# 1
76) Benzidine	20.60	184	24953	3.43	ng	# 89

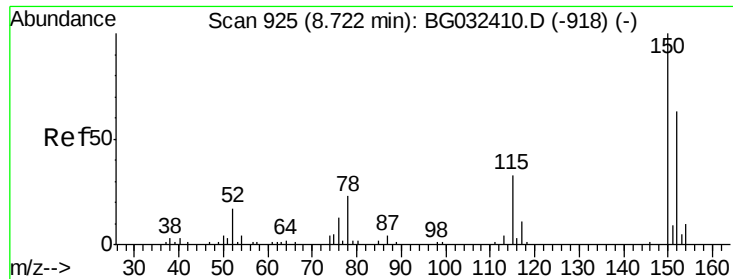
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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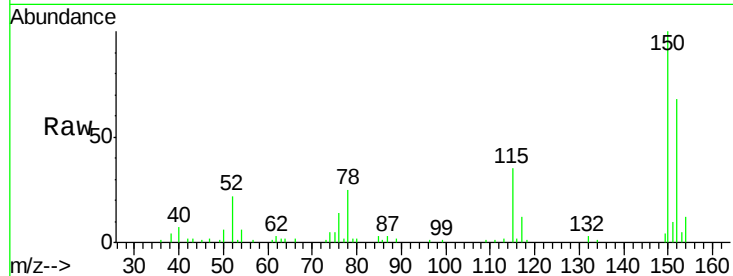


#1

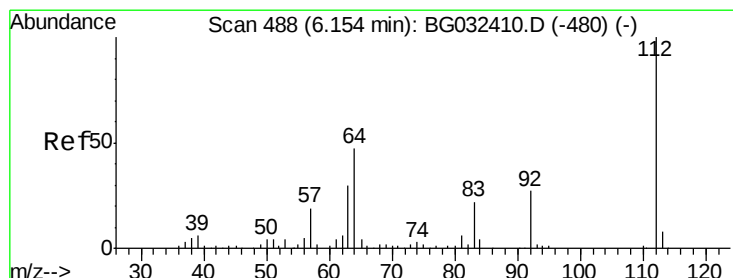
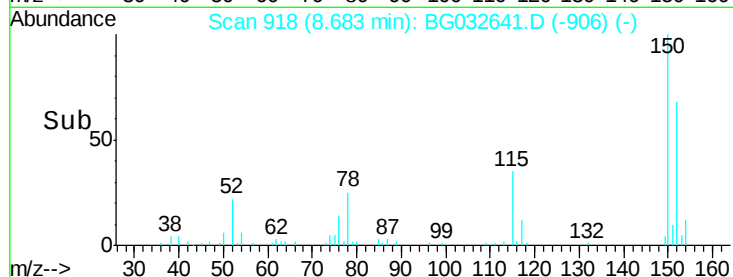
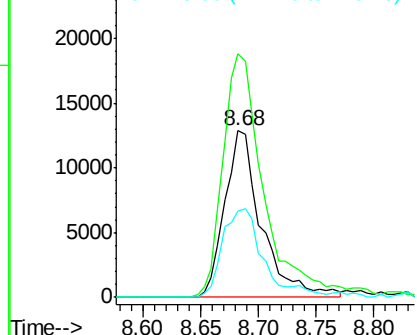
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 28393
Ion Ratio Lower Upper
152 100
150 146.2 126.6 189.8
115 51.5 53.0 79.4#



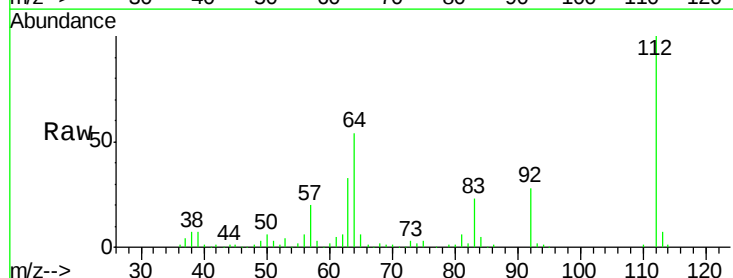
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



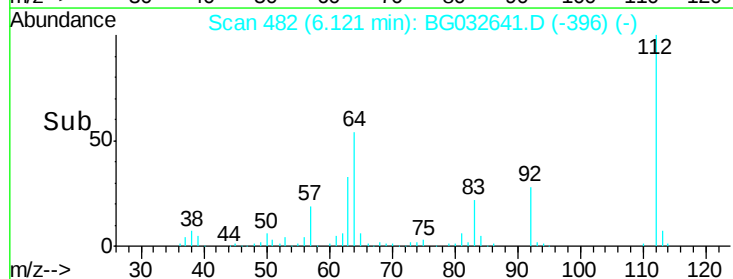
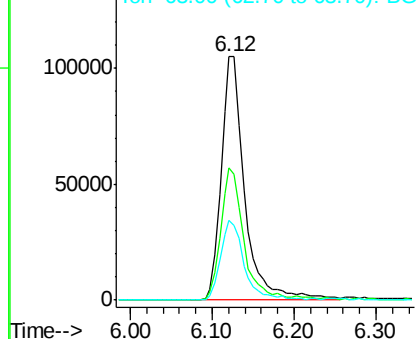
#5

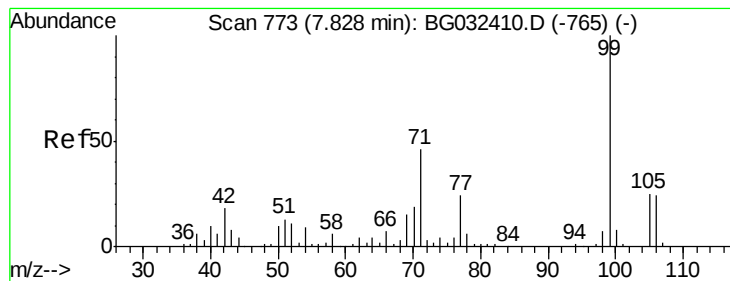
2-Fluorophenol
Concen: 148.72 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

Tgt Ion:112 Resp: 210235
Ion Ratio Lower Upper
112 100
64 54.3 56.3 84.5#
63 32.9 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: 126.93 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

Instrument :

BNA_G

ClientSampled :

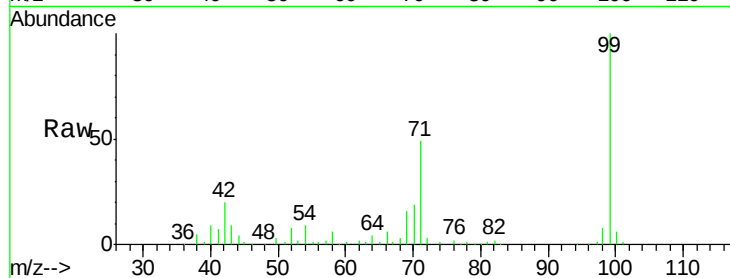
Tot Ion: 99 Resp: 239435

Ion Ratio Lower Upper

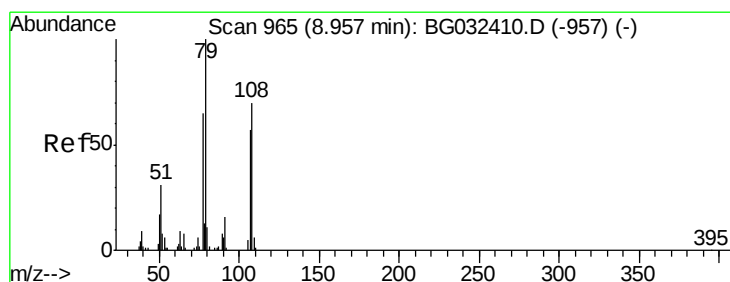
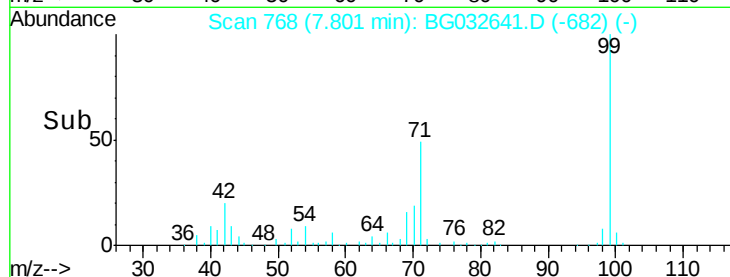
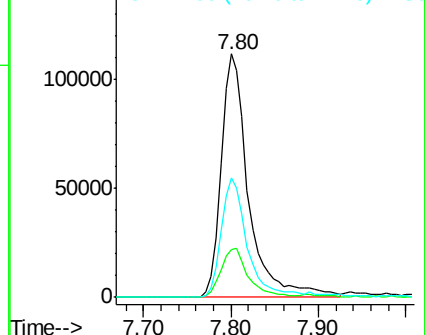
99 100

42 19.9 14.1 21.1

71 48.9 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: 2.39 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

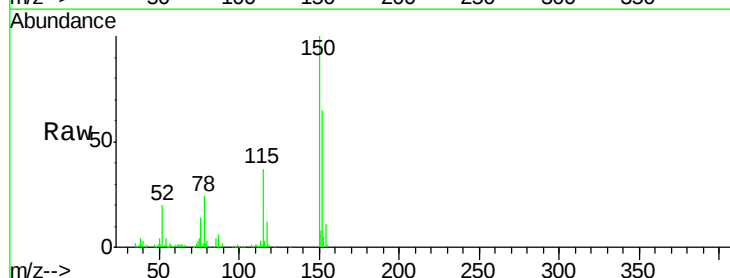
Tgt Ion: 79 Resp: 3711

Ion Ratio Lower Upper

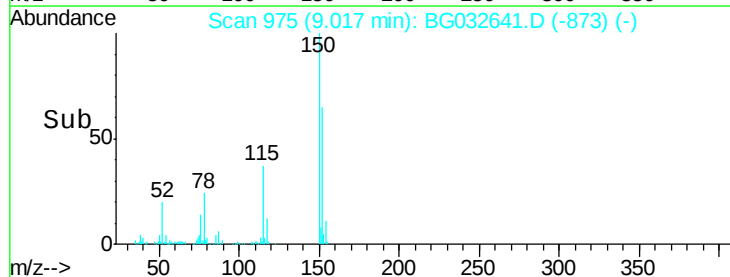
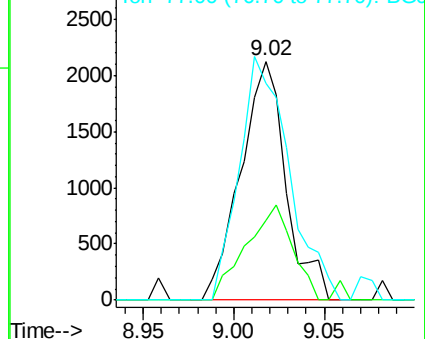
79 100

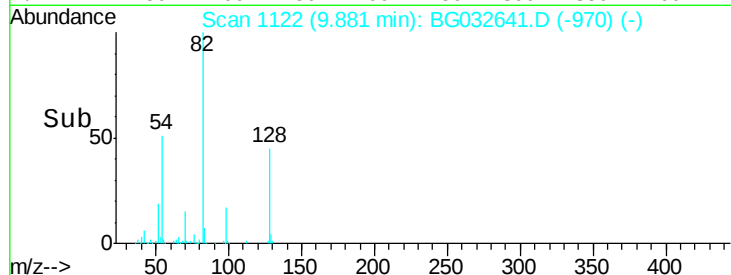
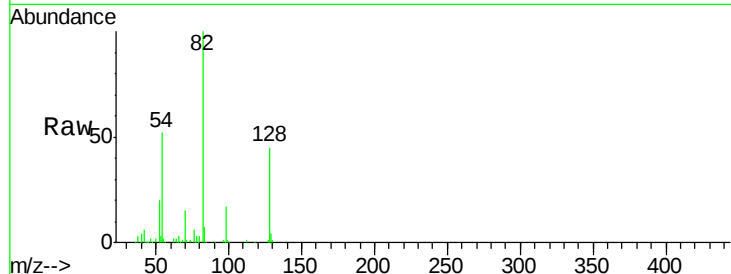
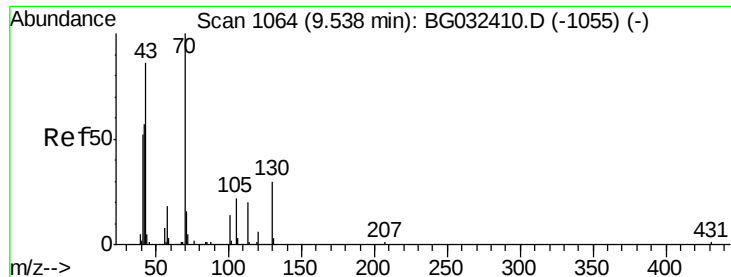
108 33.5 57.2 85.8#

77 90.8 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

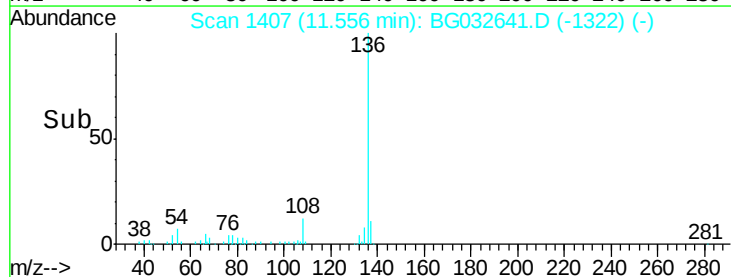
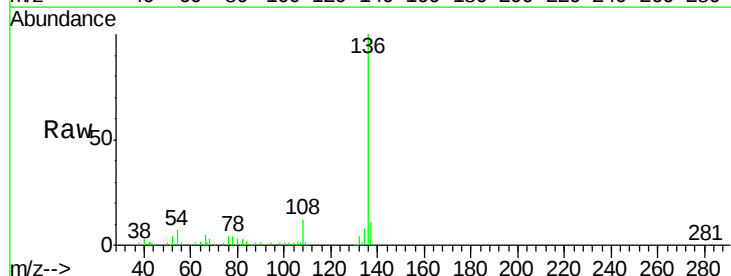
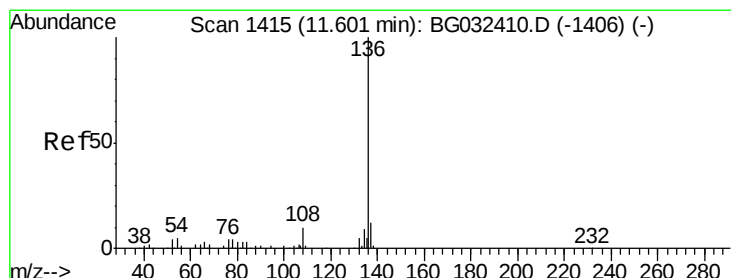
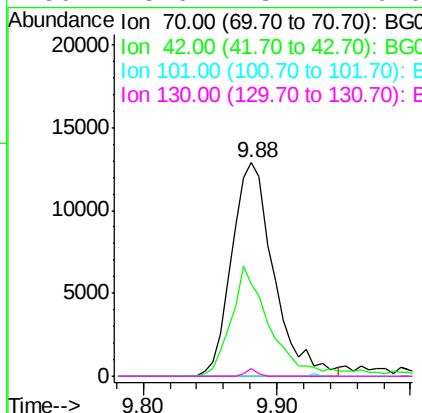




#19
n-Nitroso-di-n-propylamine
Concen: 22.49 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

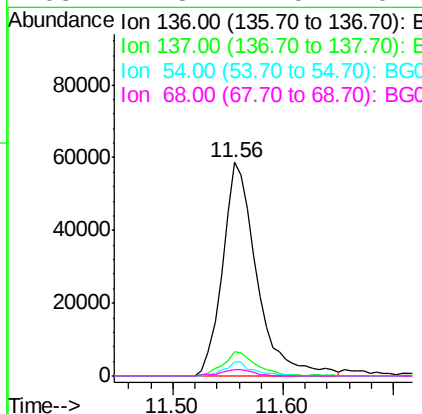
Instrument :
BNA_G
ClientSampleId :

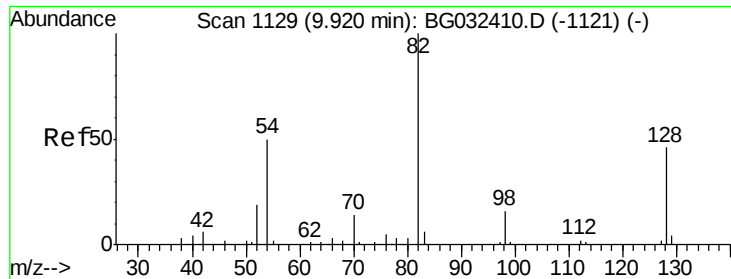
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	49.1	73.7#
101	0.0	8.5	12.7#
130	3.6	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.03 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.8	10.3	15.5#
68	2.8	4.5	6.7#

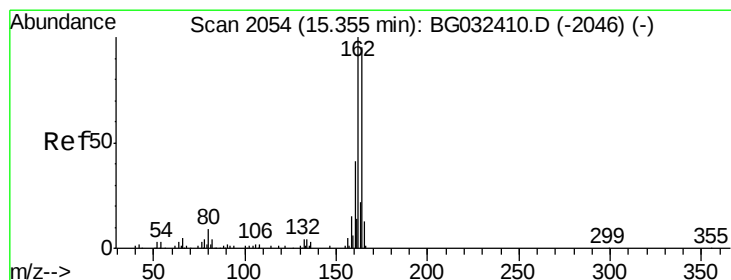
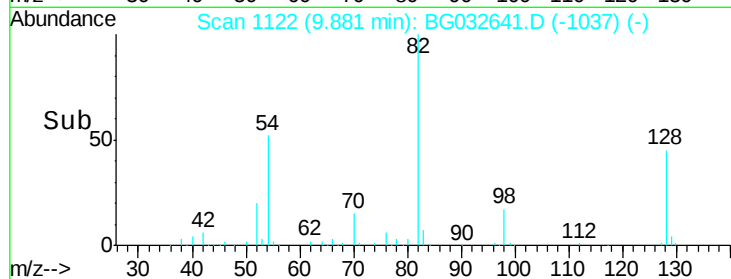
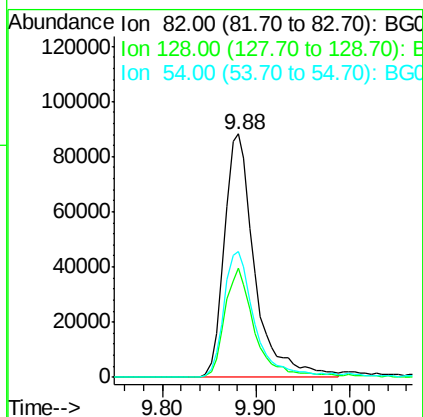
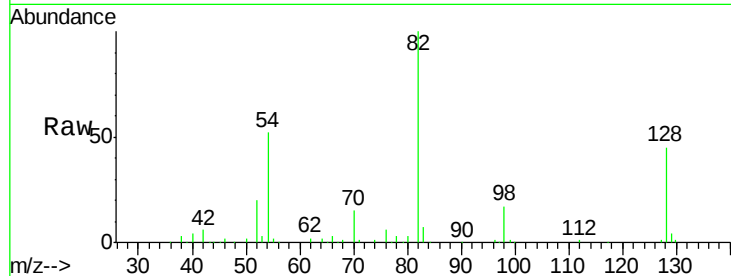




#23
 Nitrobenzene-d5
 Concen: 97.33 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BG032641.D
 Acq: 9 Feb 2018 21:27

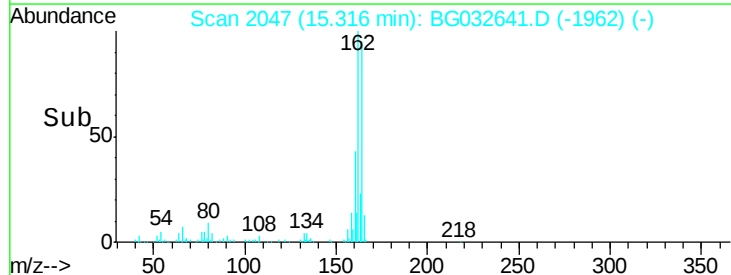
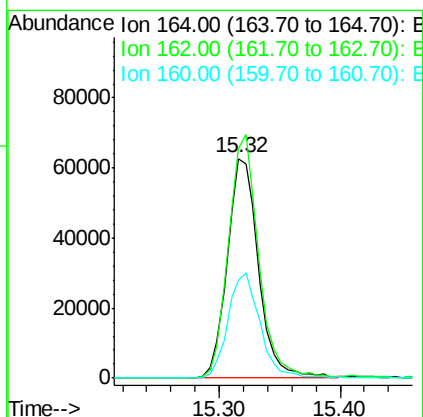
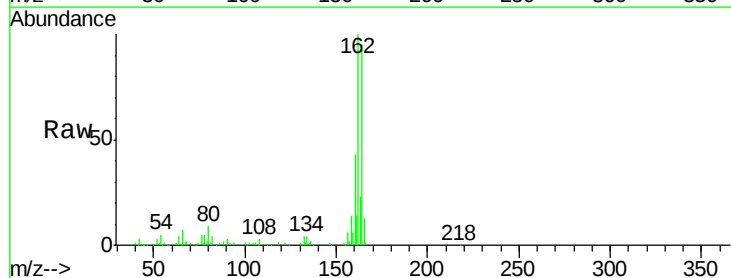
Instrument :
 BNA_G
 ClientSampled :

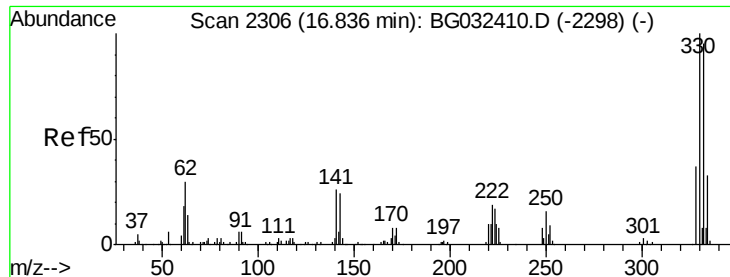
Tot Ion	82	Resp	198262
Ion Ratio	100	Lower	Upper
128	44.8	29.7	44.5#
54	51.8	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. -0.03 min
 Lab File: BG032641.D
 Acq: 9 Feb 2018 21:27

Tgt Ion	164	Resp	112752
Ion Ratio	100	Lower	Upper
162	104.8	78.8	118.2
160	44.7	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 141.15 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

Instrument :

BNA_G

ClientSampleId :

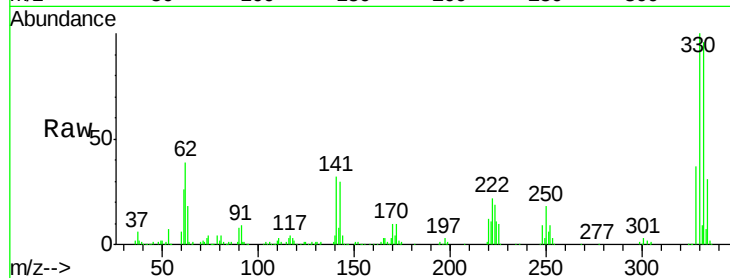
Tot Ion:330 Resp: 302947

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

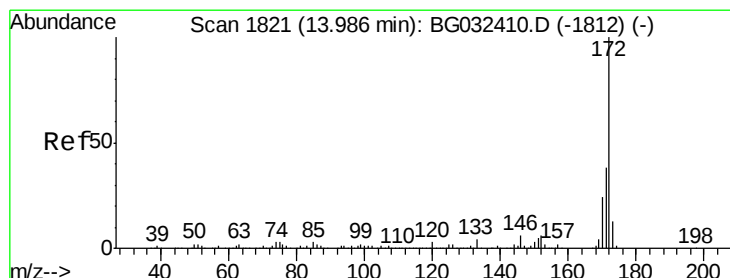
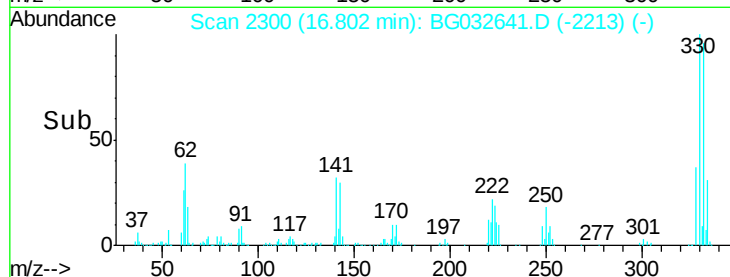
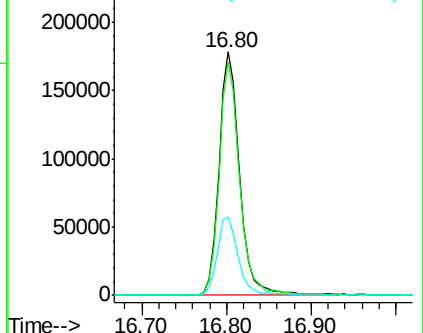
141 33.3 25.2 37.8



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: 79.41 ng

RT: 13.95 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

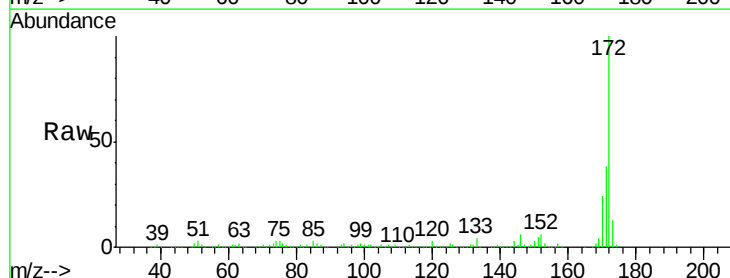
Tgt Ion:172 Resp: 753289

Ion Ratio Lower Upper

172 100

171 38.3 30.0 45.0

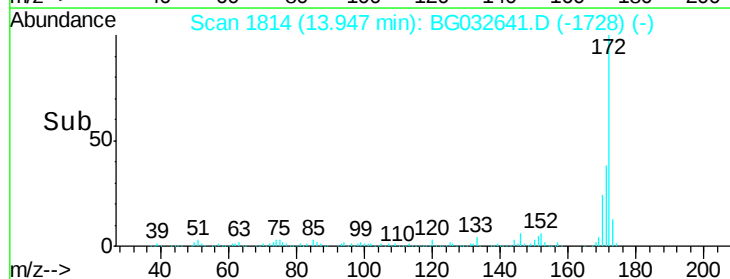
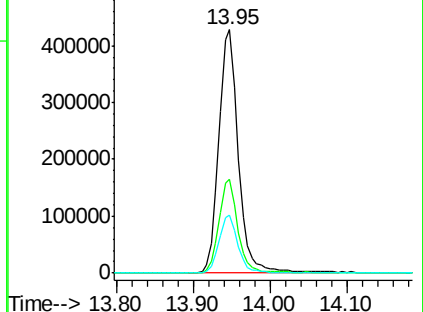
170 23.7 19.5 29.3

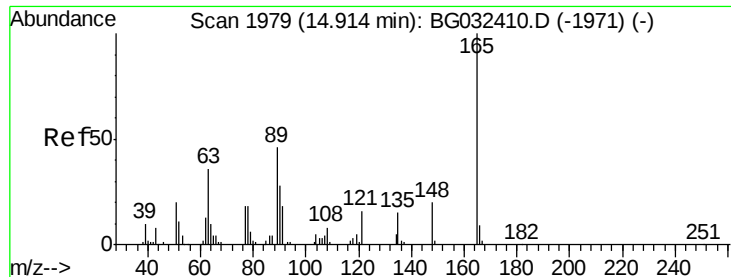


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

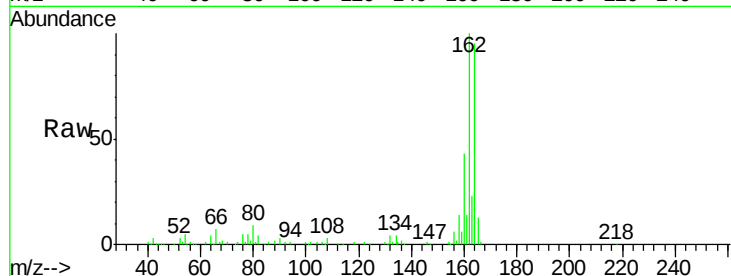




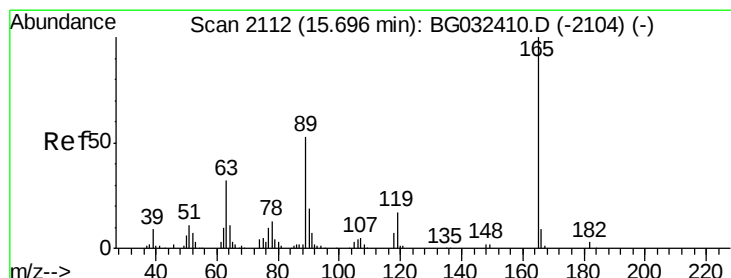
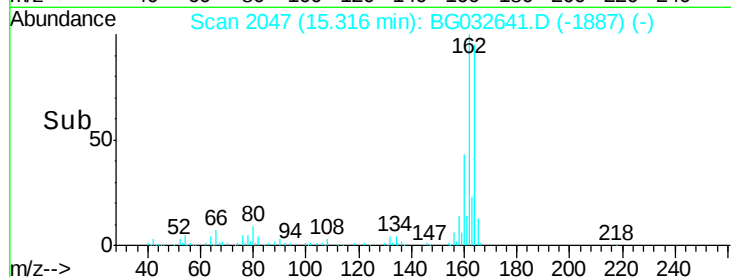
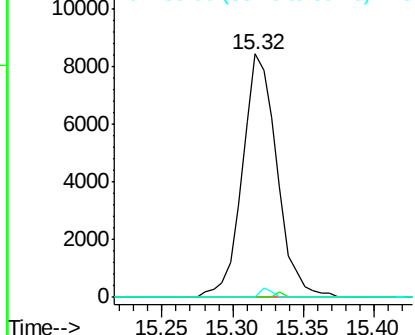
#50
2,6-Dinitrotoluene
Concen: 6.64 ng
RT: 15.32 min Scan# 2047
Delta R.T. 0.41 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14495
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

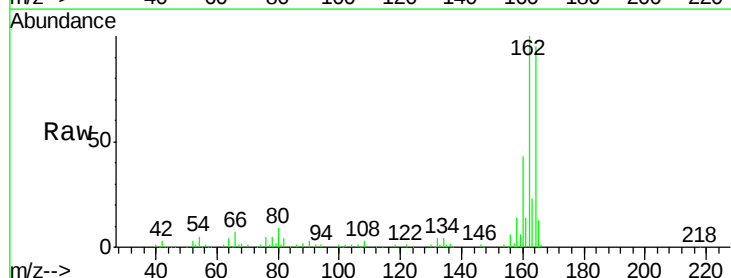


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

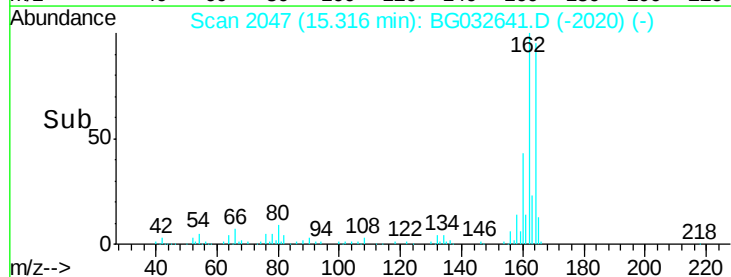
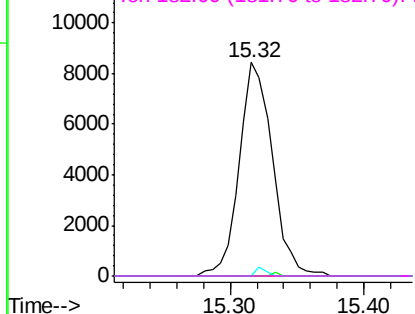


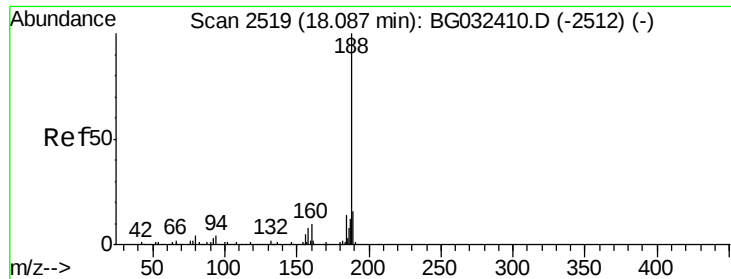
#56
2,4-Dinitrotoluene
Concen: 4.67 ng
RT: 15.32 min Scan# 2047
Delta R.T. -0.37 min
Lab File: BG032641.D
Acq: 9 Feb 2018 21:27

Tgt Ion:165 Resp: 14494
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# 2514

Delta R.T. -0.02 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

Instrument :

BNA_G

ClientSampled :

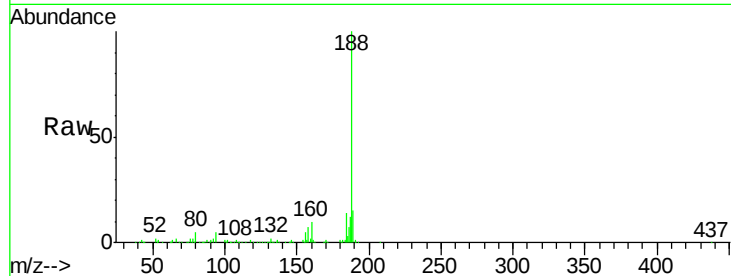
Tot Ion:188 Resp: 363049

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

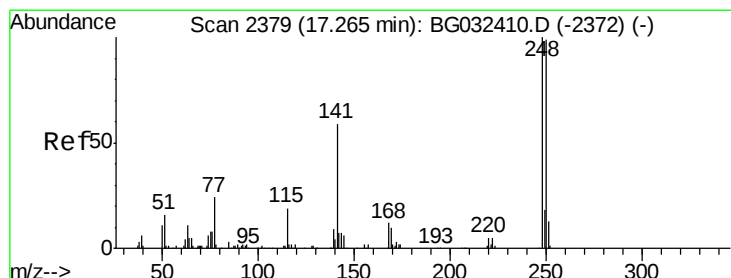
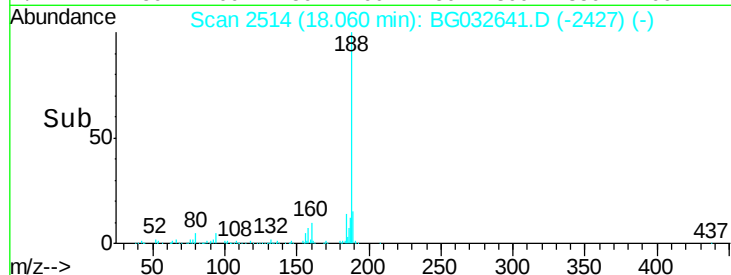
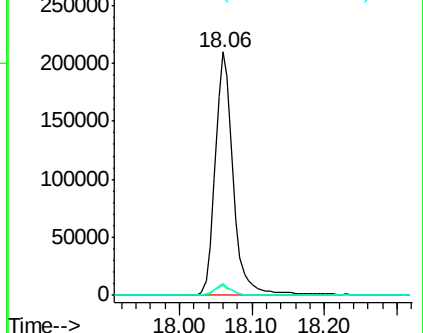
80 4.8 7.7 11.5#



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: 5.27 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.45 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

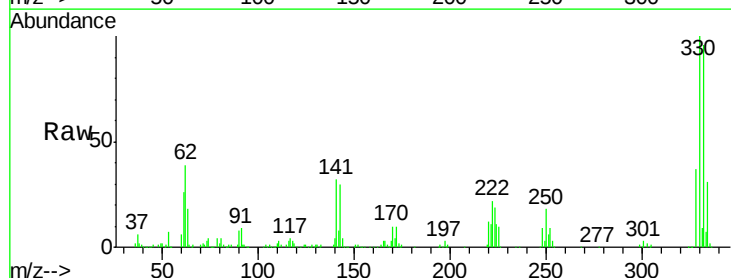
Tgt Ion:248 Resp: 28321

Ion Ratio Lower Upper

248 100

250 192.1 77.1 115.7#

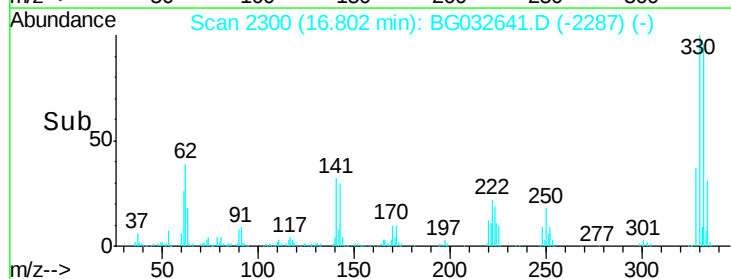
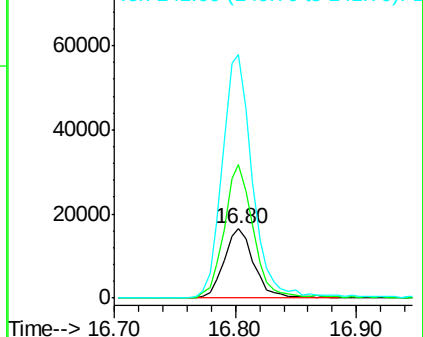
141 350.6 50.8 76.2#

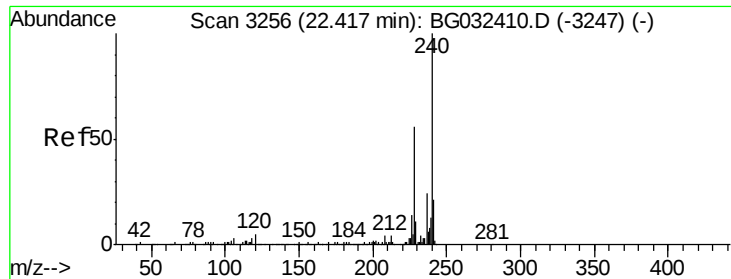


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032641.D

Acq: 9 Feb 2018 21:27

Instrument :

BNA_G

ClientSampleId :

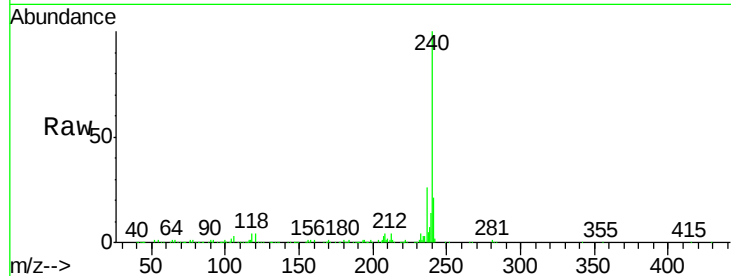
Tot Ion:240 Resp: 370534

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

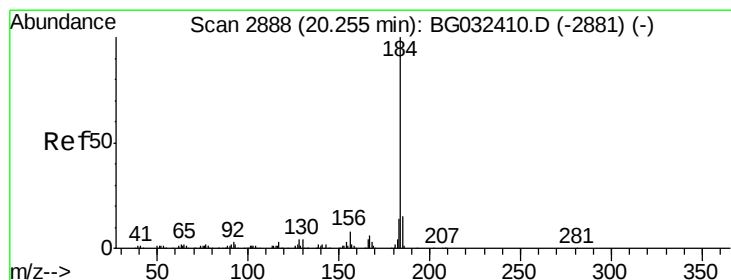
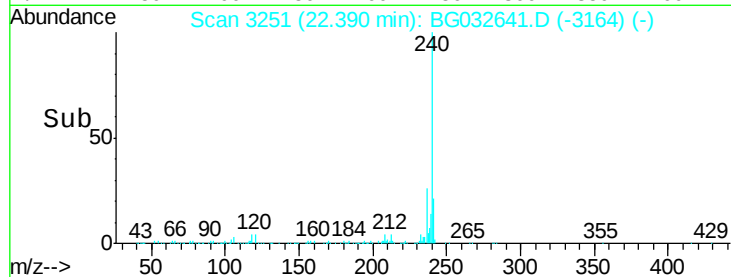
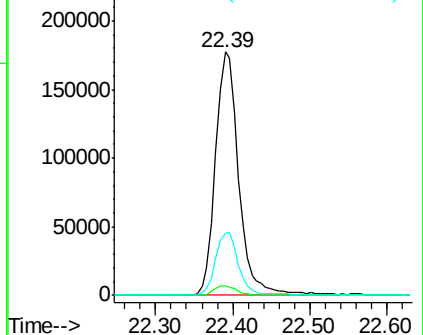
236 25.5 20.9 31.3



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: 3.43 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

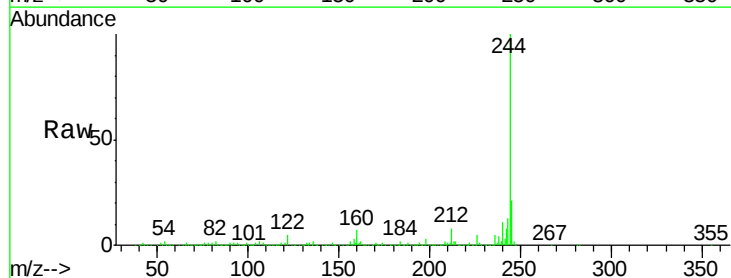
Tgt Ion:184 Resp: 24953

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

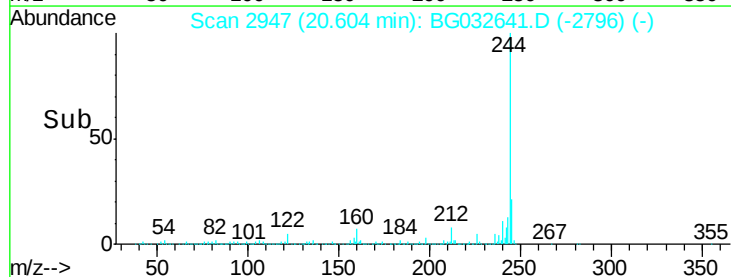
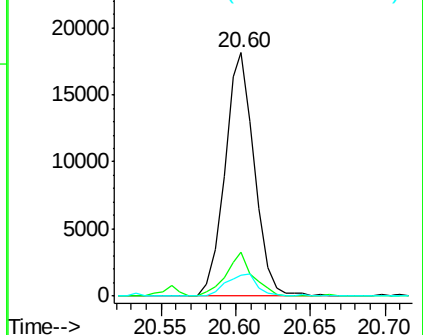
183 8.5 10.6 16.0#

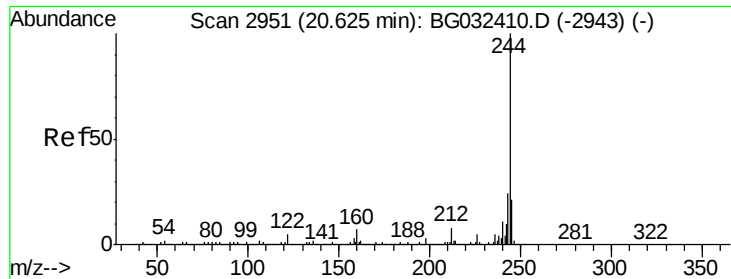


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.05 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

Instrument :

BNA_G

ClientSampled :

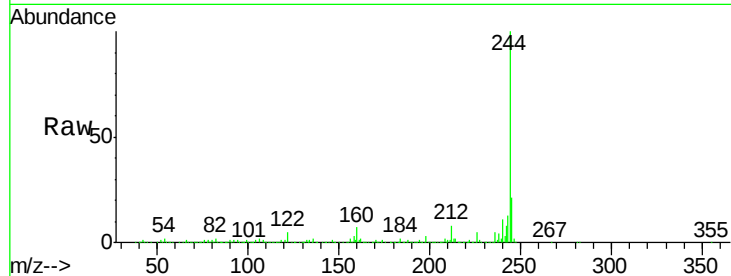
Tot Ion:244 Resp: 1592303

Ion Ratio Lower Upper

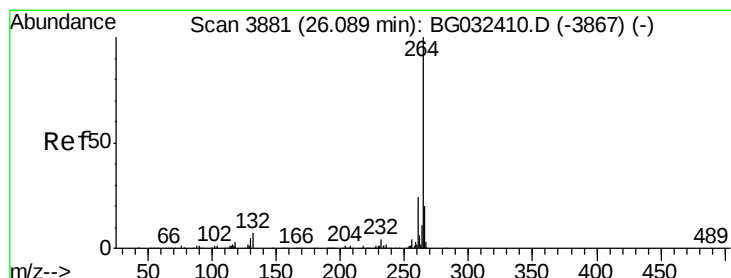
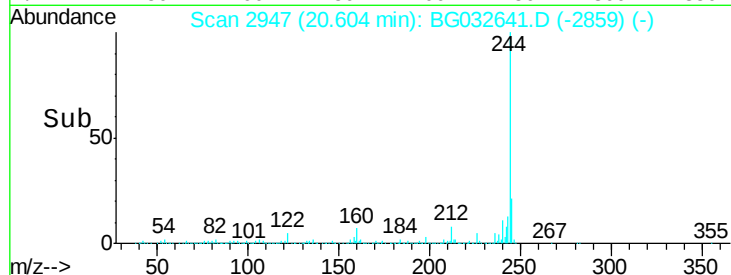
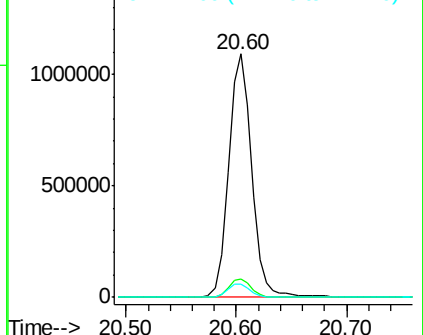
244 100

212 7.7 5.8 8.8

122 5.3 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: 26.06 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BG032641.D

Acq: 9 Feb 2018 21:27

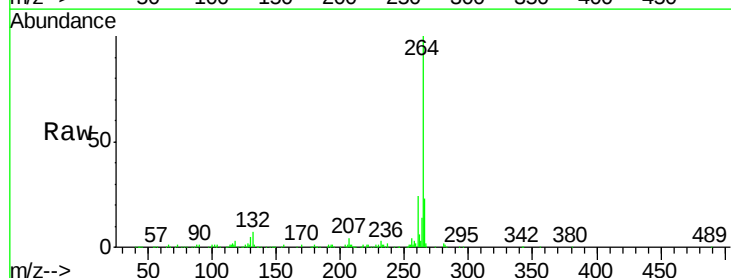
Tgt Ion:264 Resp: 380383

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.8 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

