

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020918\
 Data File : BG032644.D
 Acq On : 9 Feb 2018 23:20
 Operator : SJ/JU
 Sample : PB106437TB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 10 00:04:40 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

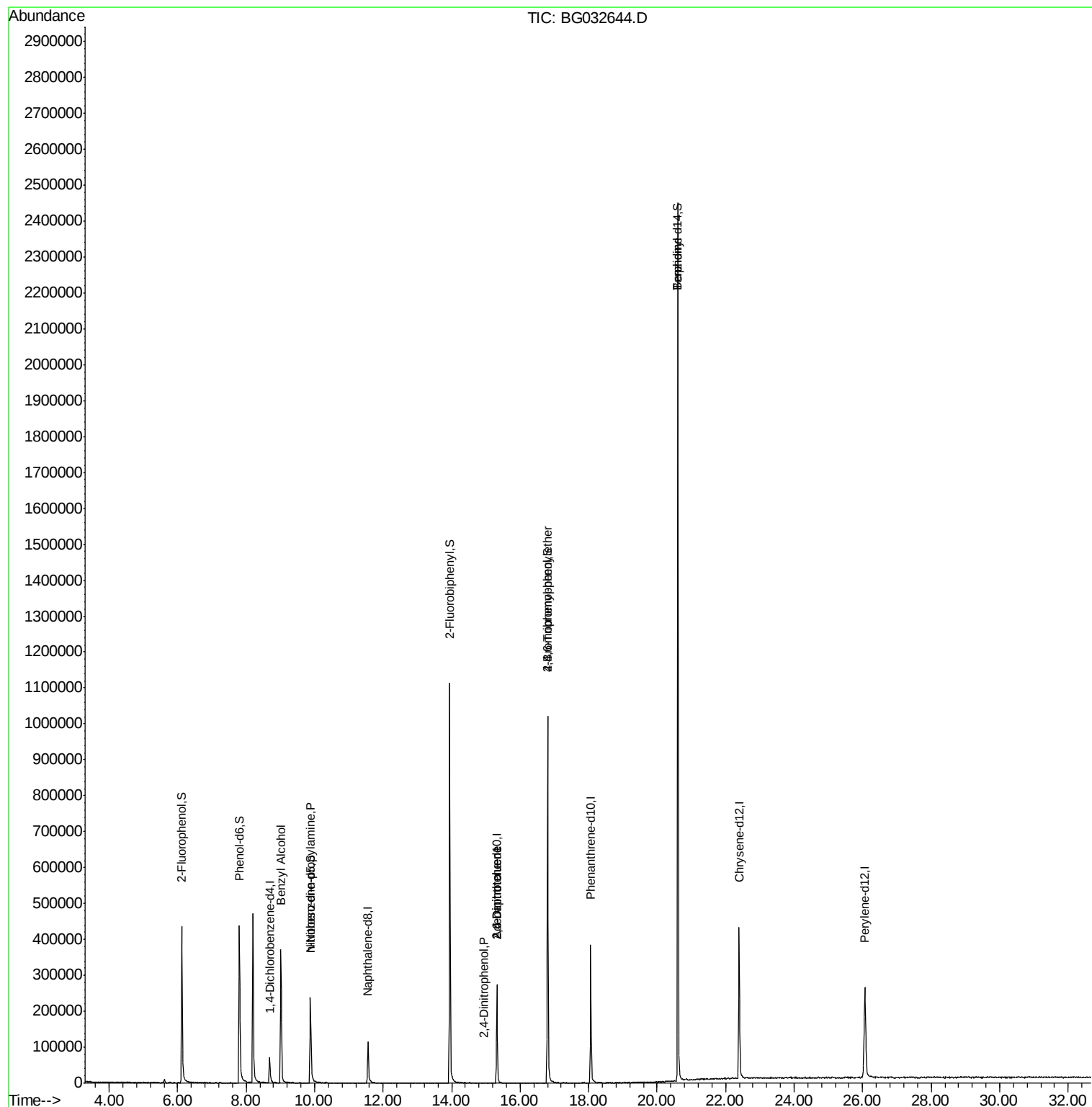
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	28022	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	130613	20.00	ng	-0.03
38) Acenaphthene-d10	15.32	164	111489	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	309880	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	357064	20.00	ng	-0.01
86) Perylene-d12	26.06	264	363026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	236506	169.52	ng	-0.02
7) Phenol-d6	7.80	99	302933	162.72	ng	-0.02
23) Nitrobenzene-d5	9.88	82	180824	86.47	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	232720	109.66	ng	-0.01
44) 2-Fluorobiphenyl	13.94	172	720613	76.82	ng	-0.03
78) Terphenyl-d14	20.61	244	1386538	83.18	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.02	79	3539	2.31	ng	# 54
19) n-Nitroso-di-n-propylamine	9.88	70	26359	21.35	ng	# 81
50) 2,6-Dinitrotoluene	15.32	165	14309	6.63	ng	# 20
53) 2,4-Dinitrophenol	14.95	184	76	4.16	ng	# 1
56) 2,4-Dinitrotoluene	15.32	165	14309	4.66	ng	# 18
66) 4-Bromophenyl-phenylether	16.80	248	19727	4.30	ng	# 1
76) Benzidine	20.61	184	20937	2.99	ng	# 95

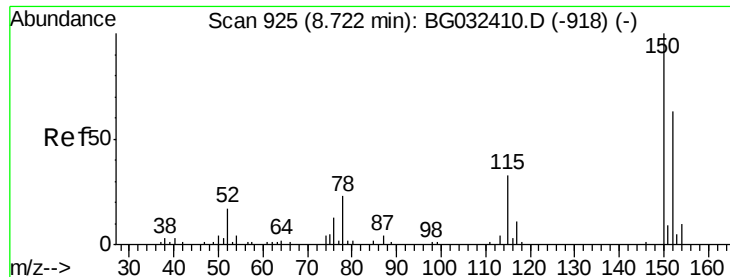
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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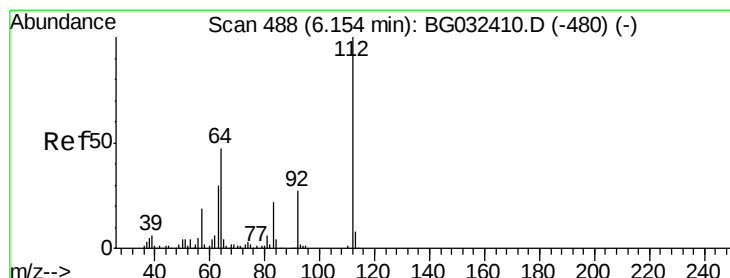
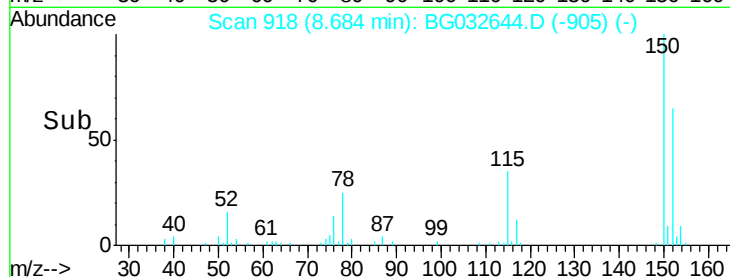
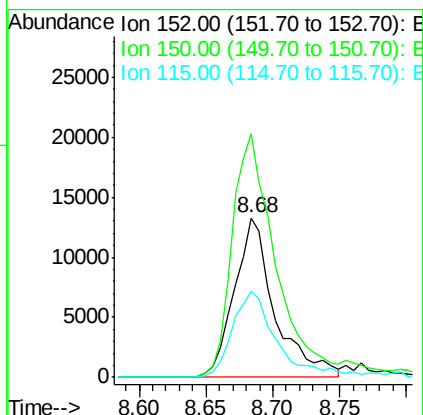
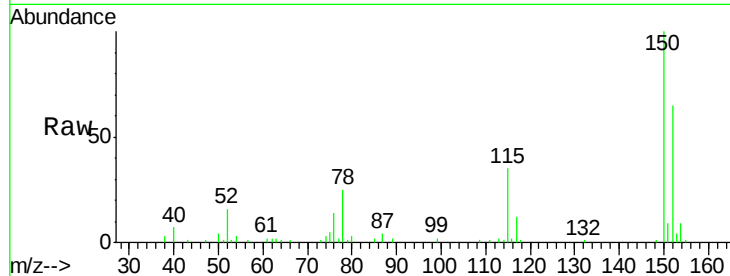


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032644.D
Acq: 9 Feb 2018 23:20

Instrument :
BNA_G
ClientSampleId :

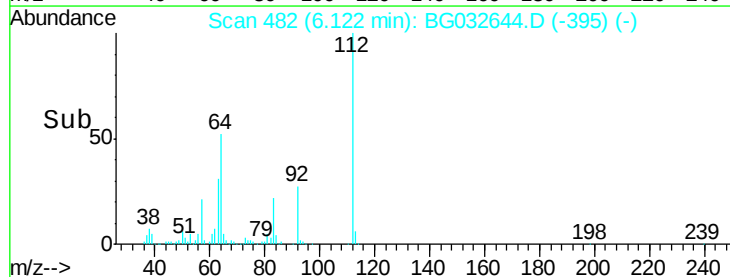
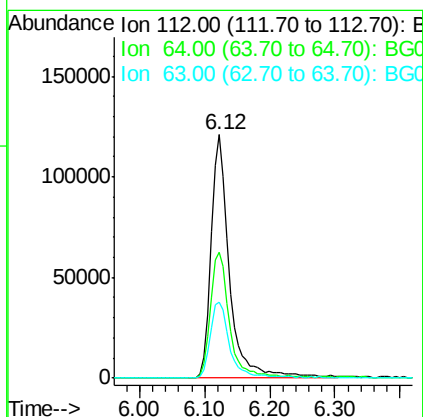
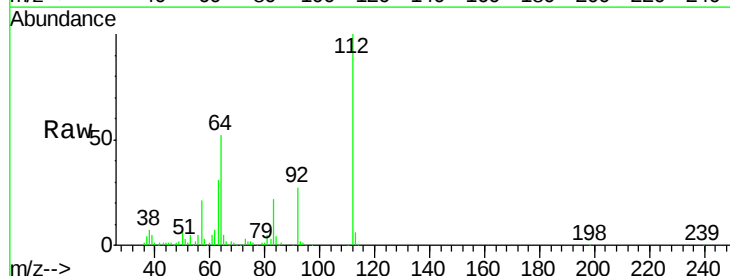
Tot Ion:152 Resp: 28022
Ion Ratio Lower Upper
152 100
150 153.0 126.6 189.8
115 53.8 53.0 79.4

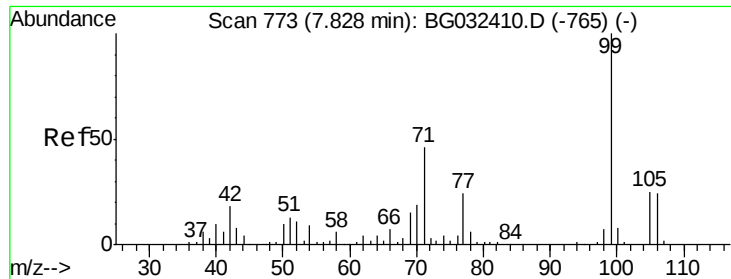


#5

2-Fluorophenol
Concen: 169.52 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032644.D
Acq: 9 Feb 2018 23:20

Tgt Ion:112 Resp: 236506
Ion Ratio Lower Upper
112 100
64 51.8 56.3 84.5#
63 31.3 30.1 45.1





#7

Phenol-d6

Concen: 162.72 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

Instrument :

BNA_G

ClientSampleId :

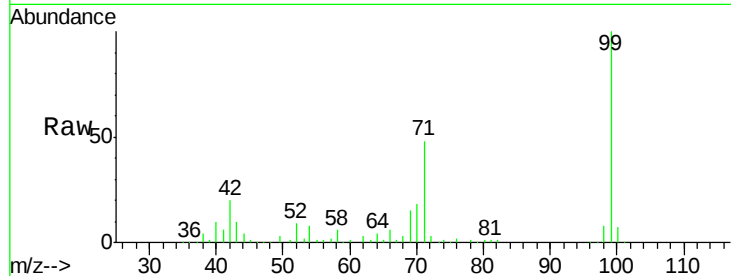
Tot Ion: 99 Resp: 302933

Ion Ratio Lower Upper

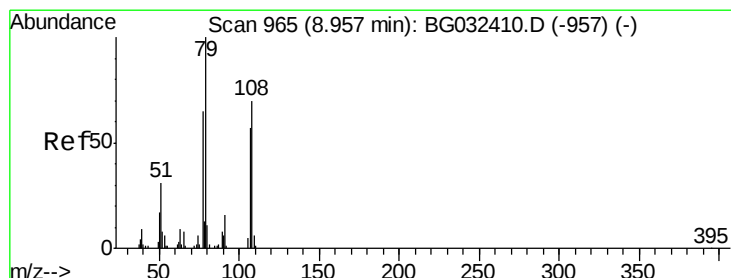
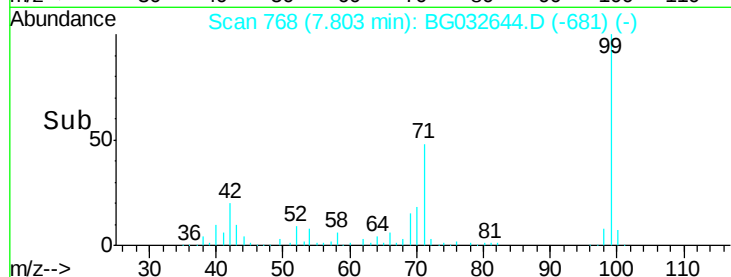
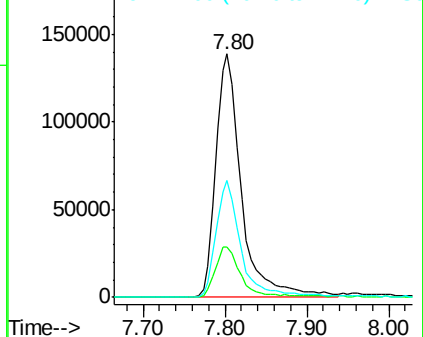
99 100

42 20.5 14.1 21.1

71 47.8 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: 2.31 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

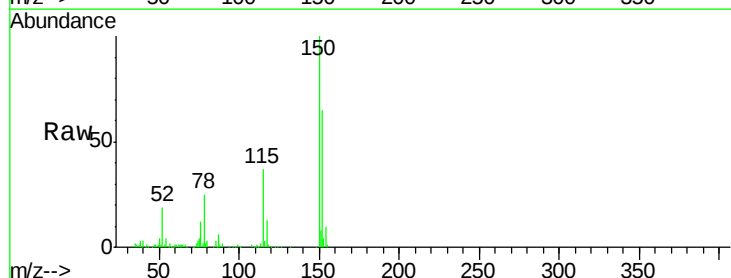
Tgt Ion: 79 Resp: 3539

Ion Ratio Lower Upper

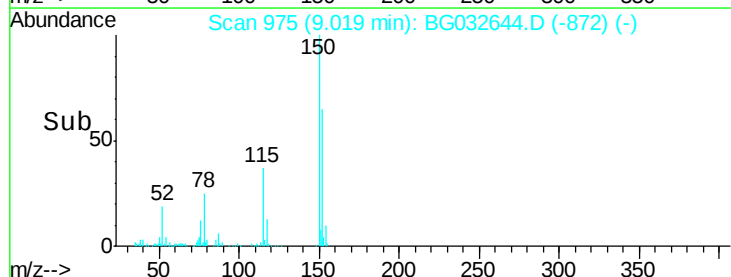
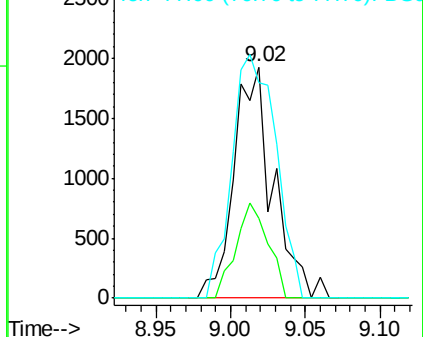
79 100

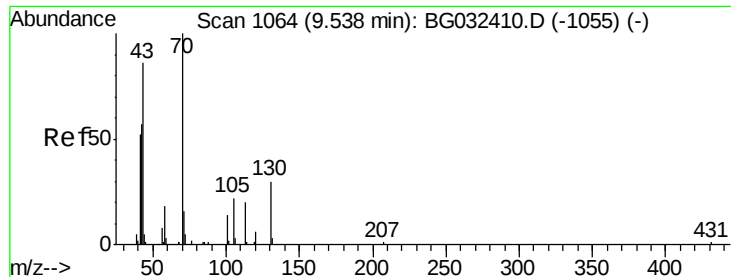
108 34.6 57.2 85.8#

77 93.1 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

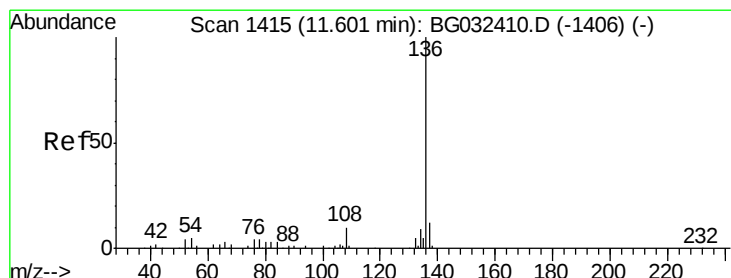
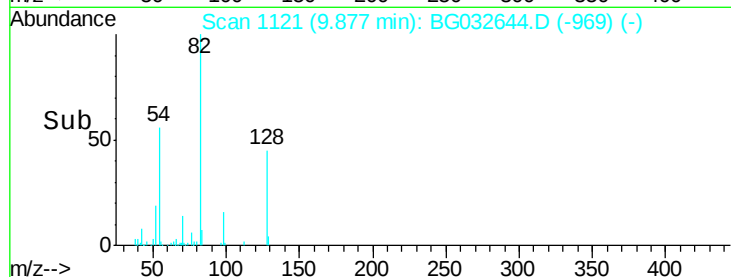
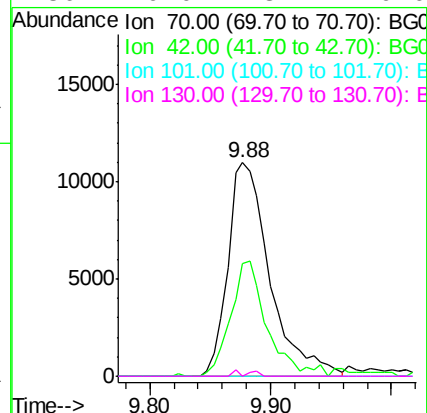
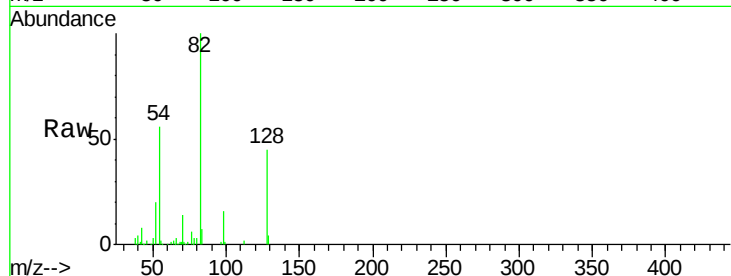




#19
 n-Nitroso-di-n-propylamine
 Concen: 21.35 ng
 RT: 9.88 min Scan# 1121
 Delta R.T. 0.36 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

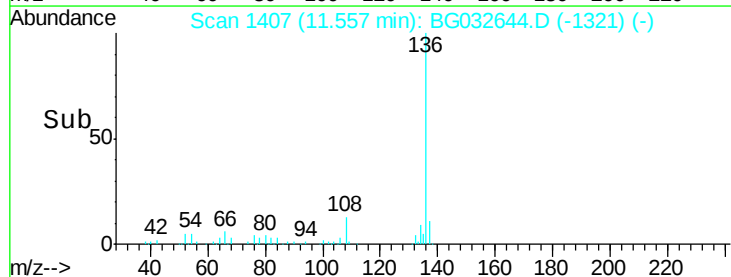
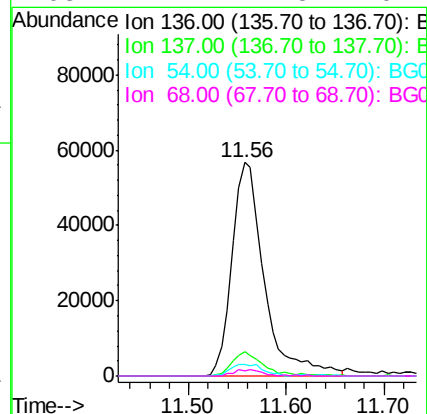
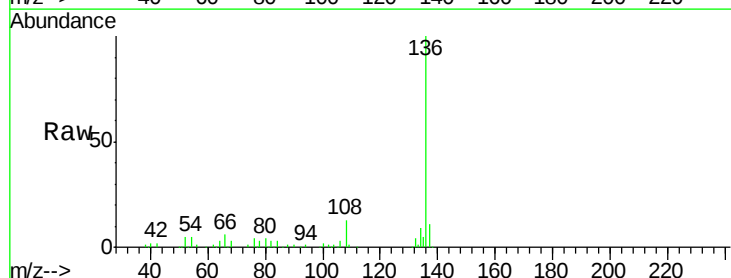
Instrument :
 BNA_G
 ClientSampleId :

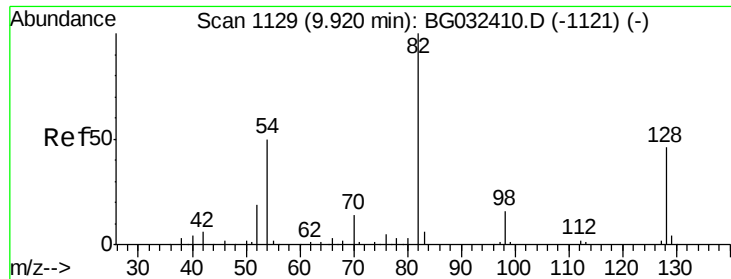
Tot Ion: 70 Resp: 26359
 Ion Ratio Lower Upper
 70 100
 42 52.5 49.1 73.7
 101 0.0 8.5 12.7#
 130 0.0 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 11.56 min Scan# 1407
 Delta R.T. -0.03 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Tgt Ion: 136 Resp: 130613
 Ion Ratio Lower Upper
 136 100
 137 11.3 9.2 13.8
 54 5.3 10.3 15.5#
 68 2.7 4.5 6.7#

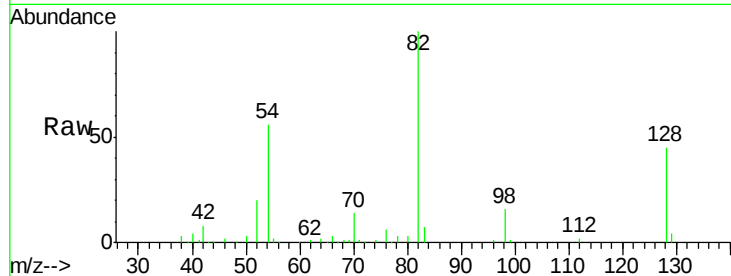




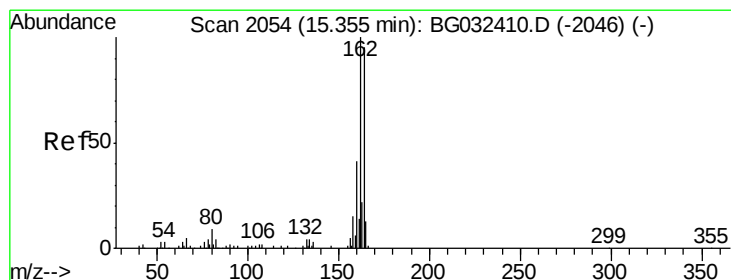
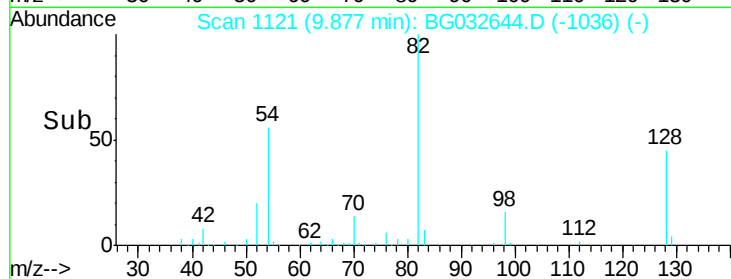
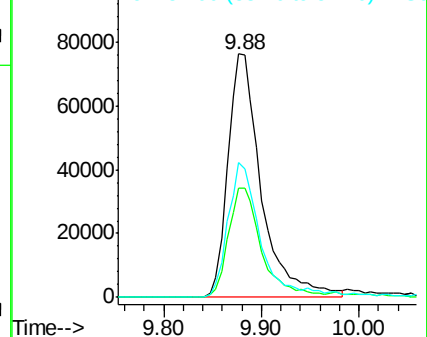
#23
 Nitrobenzene-d5
 Concen: 86.47 ng
 RT: 9.88 min Scan# 1121
 Delta R.T. -0.03 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	180824
Ion Ratio	100	Lower	Upper
128	44.8	29.7	44.5#
54	55.5	43.1	64.7

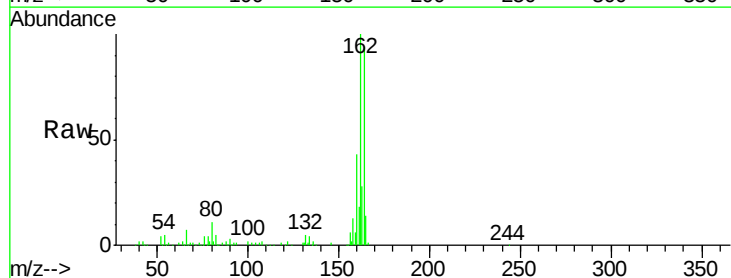


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

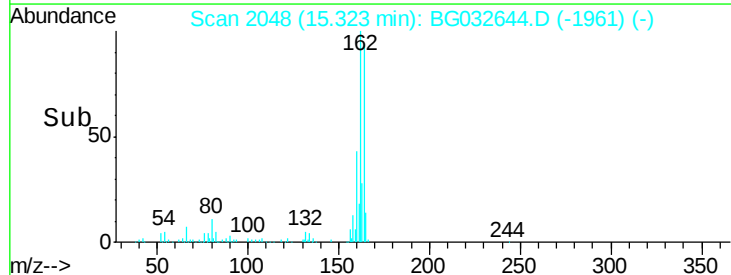
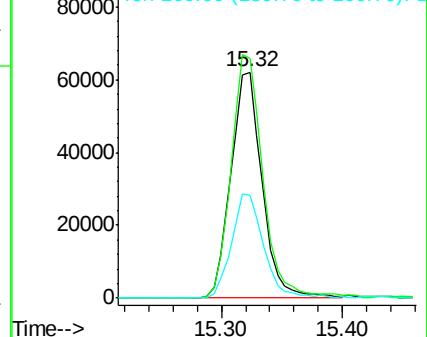


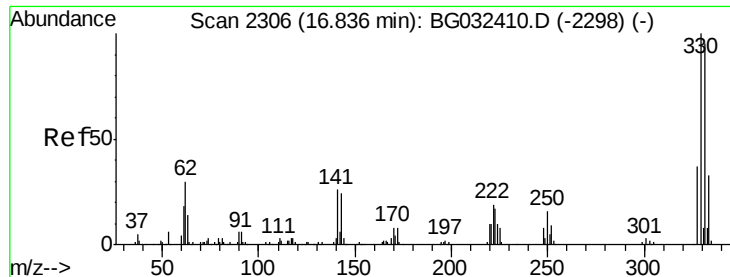
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Tgt Ion	164	Resp	111489
Ion Ratio	100	Lower	Upper
162	106.0	78.8	118.2
160	45.6	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: 109.66 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

Instrument :

BNA_G

ClientSampleId :

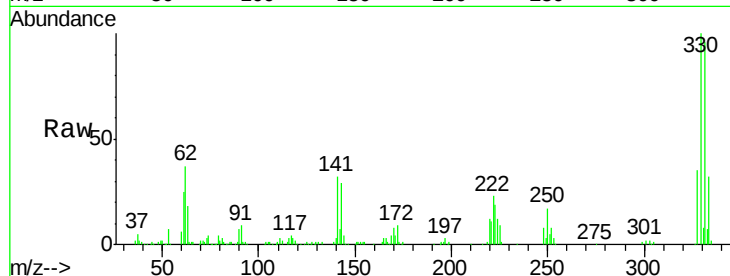
Tot Ion:330 Resp: 232720

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

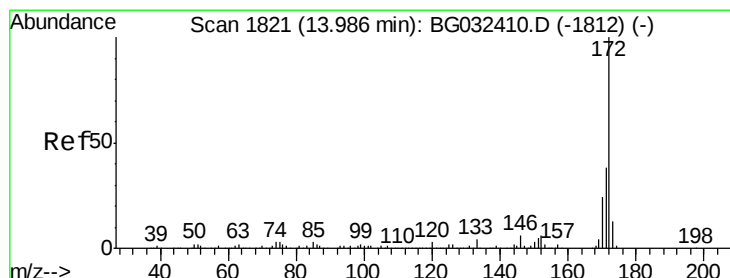
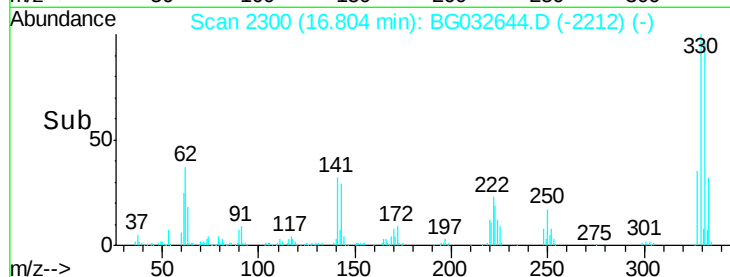
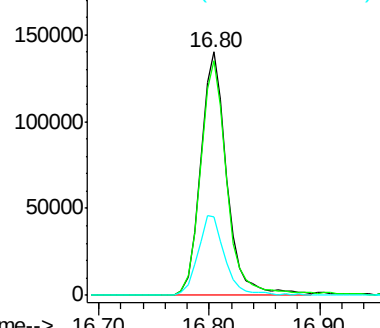
141 33.4 25.2 37.8



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: 76.82 ng

RT: 13.94 min Scan# 1813

Delta R.T. -0.03 min

Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

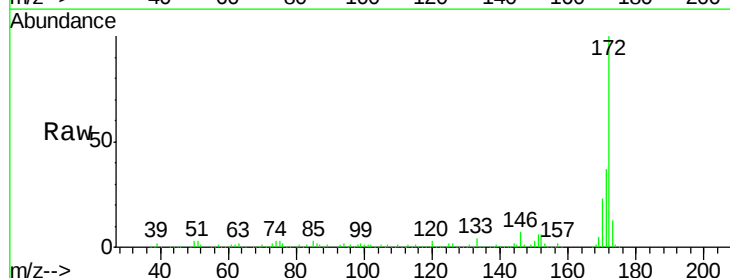
Tgt Ion:172 Resp: 720613

Ion Ratio Lower Upper

172 100

171 36.5 30.0 45.0

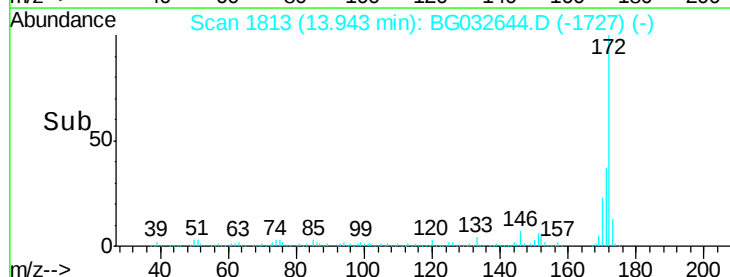
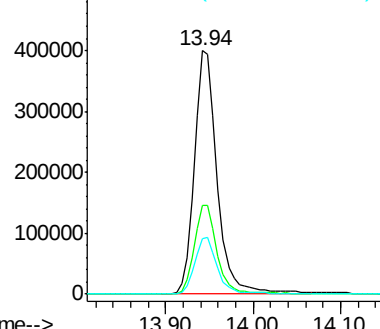
170 22.7 19.5 29.3

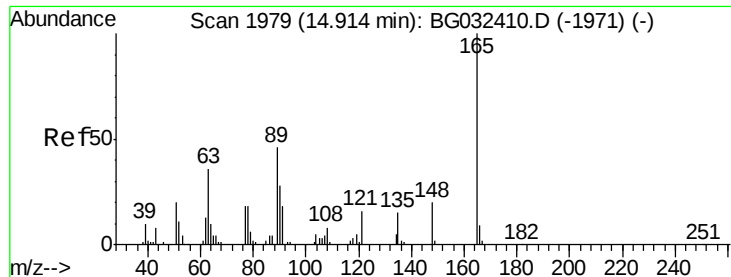


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

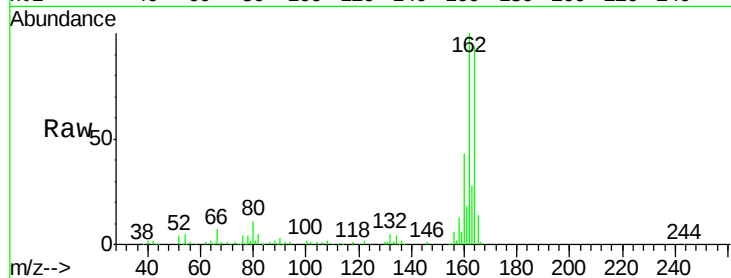




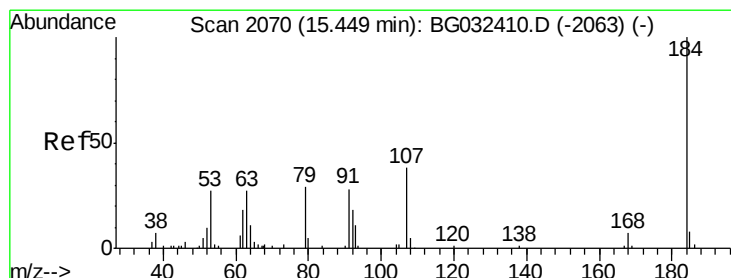
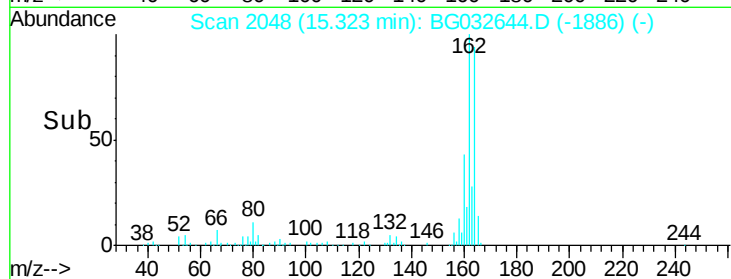
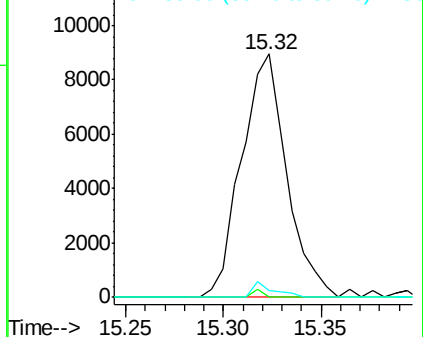
#50
 2,6-Dinitrotoluene
 Concen: 6.63 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. 0.42 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14309
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.7 49.2 73.8#

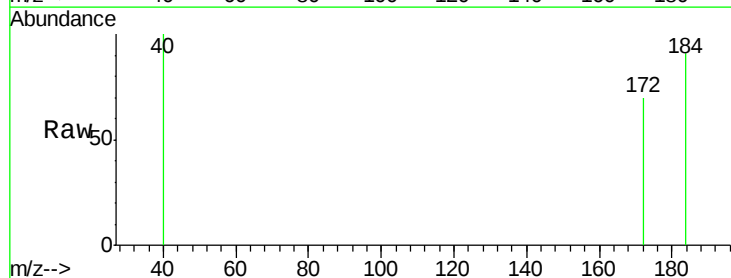


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

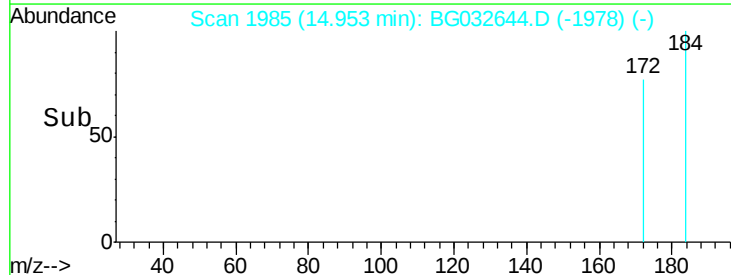
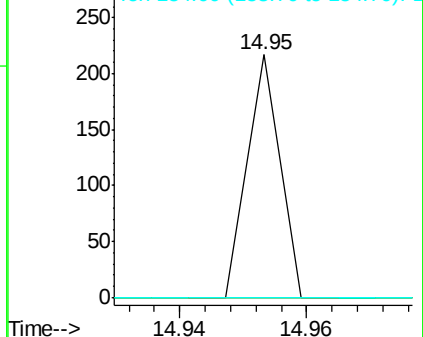


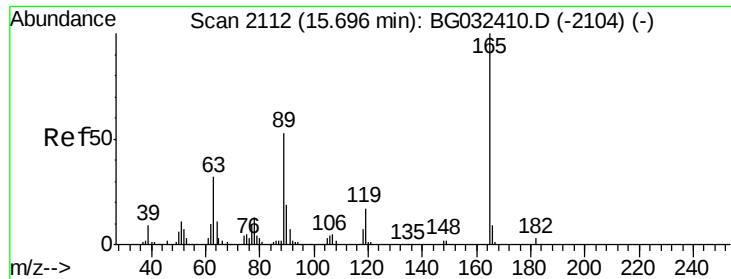
#53
 2,4-Dinitrophenol
 Concen: 4.16 ng
 RT: 14.95 min Scan# 1985
 Delta R.T. -0.49 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Tgt Ion:184 Resp: 76
 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: 4.66 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.36 min

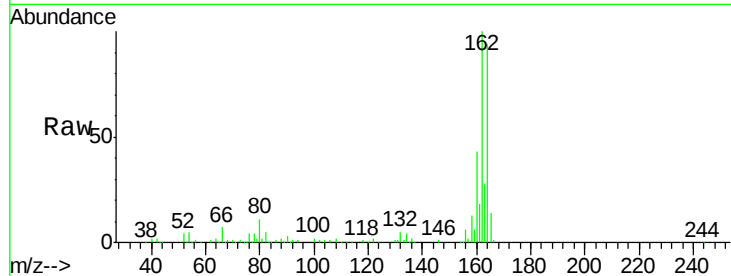
Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

Instrument :

BNA_G

ClientSampled :



Tot Ion:165 Resp: 14309

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.7 66.9 100.3#

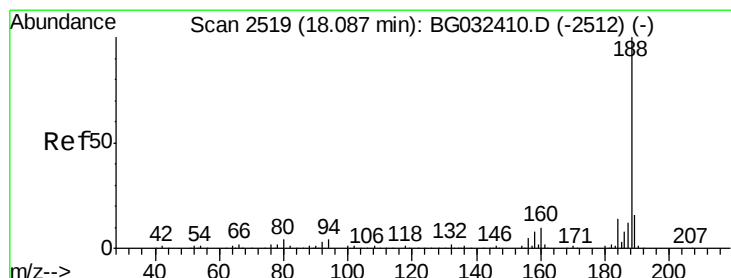
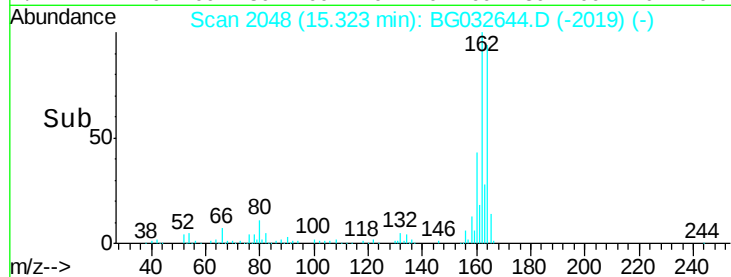
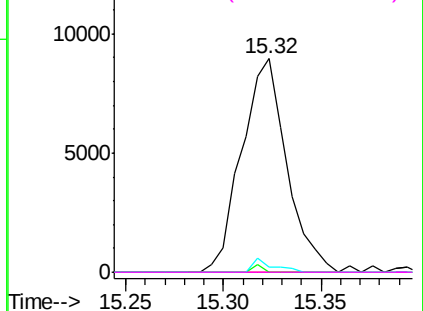
182 0.0 2.6 3.8#

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. -0.01 min

Lab File: BG032644.D

Acq: 9 Feb 2018 23:20

Tgt Ion:188 Resp: 309880

Ion Ratio Lower Upper

188 100

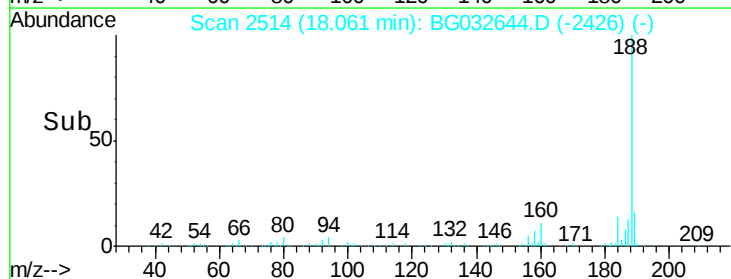
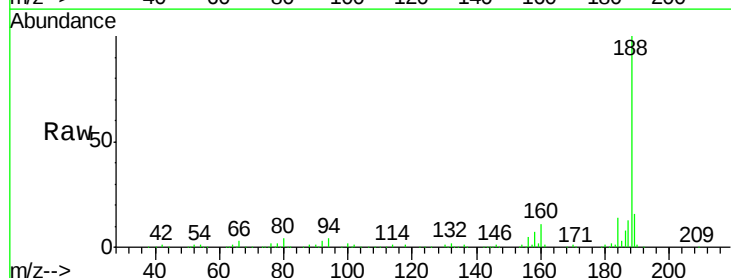
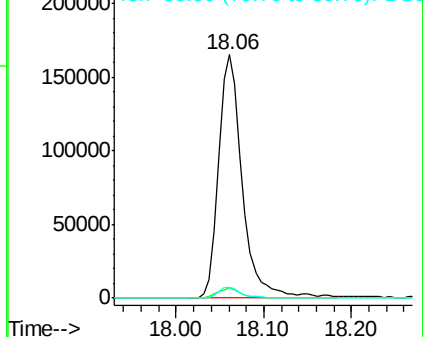
94 4.4 6.9 10.3#

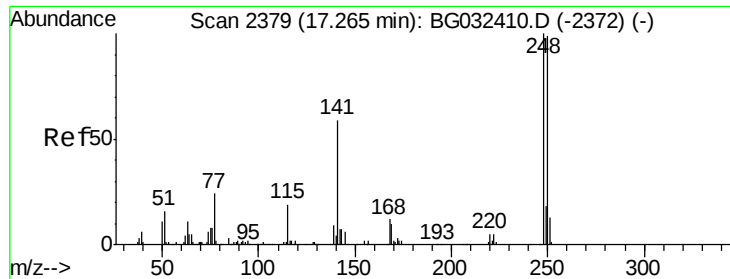
80 4.1 7.7 11.5#

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

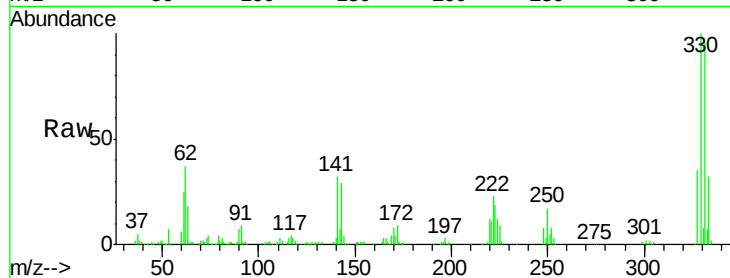




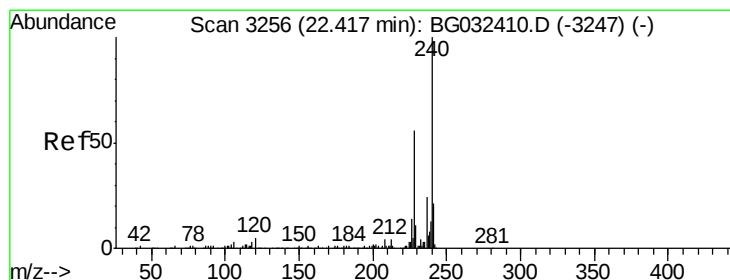
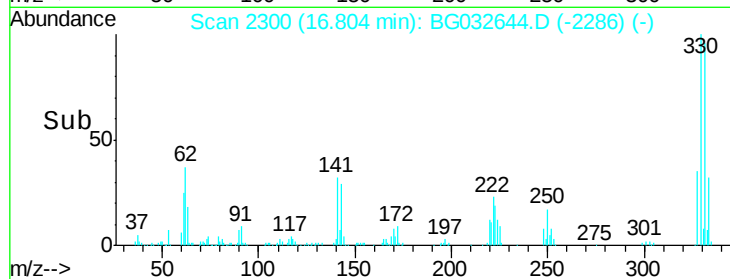
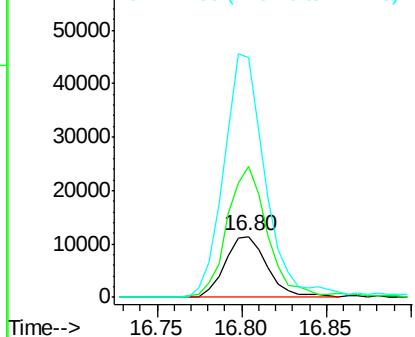
#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.45 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19727
 Ion Ratio Lower Upper
 248 100
 250 214.0 77.1 115.7#
 141 393.1 50.8 76.2#

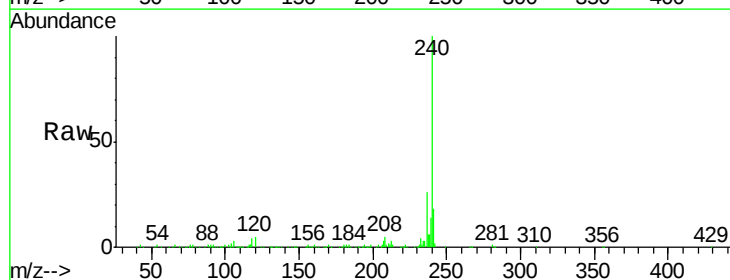


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

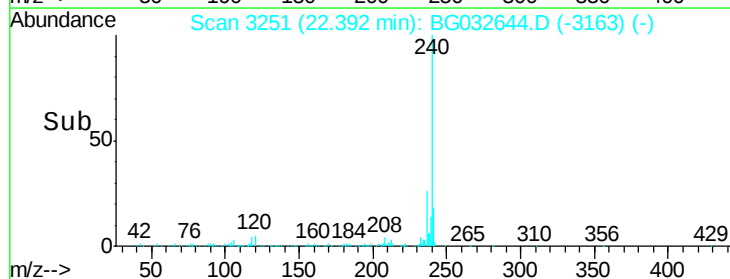
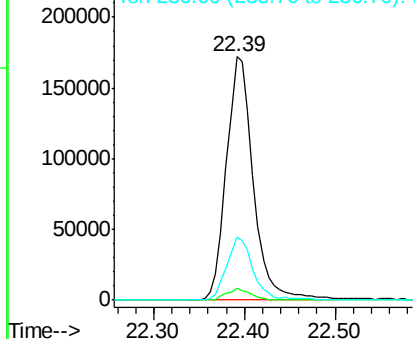


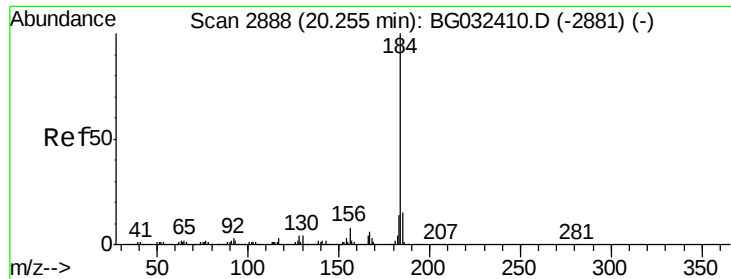
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.39 min Scan# 3251
 Delta R.T. -0.01 min
 Lab File: BG032644.D
 Acq: 9 Feb 2018 23:20

Tgt Ion:240 Resp: 357064
 Ion Ratio Lower Upper
 240 100
 120 4.8 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

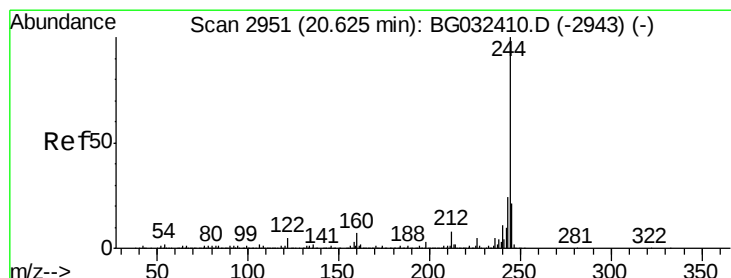
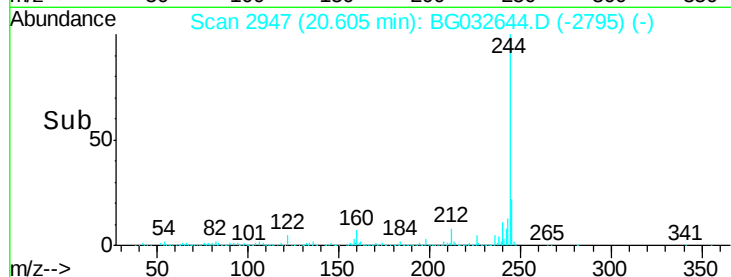
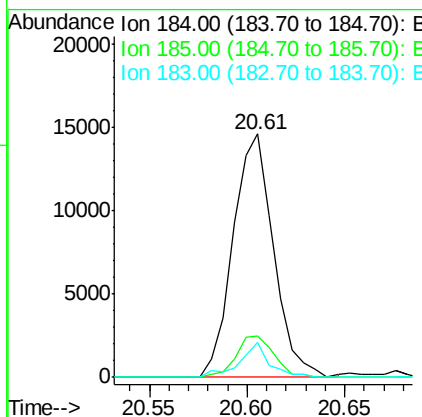
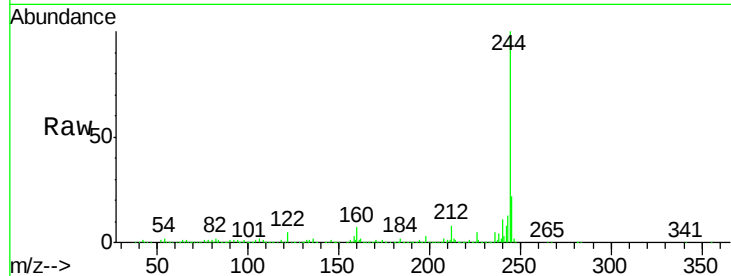




#76
Benzidine
Concen: 2.99 ng
RT: 20.61 min Scan# 2947
Delta R.T. 0.36 min
Lab File: BG032644.D
Acq: 9 Feb 2018 23:20

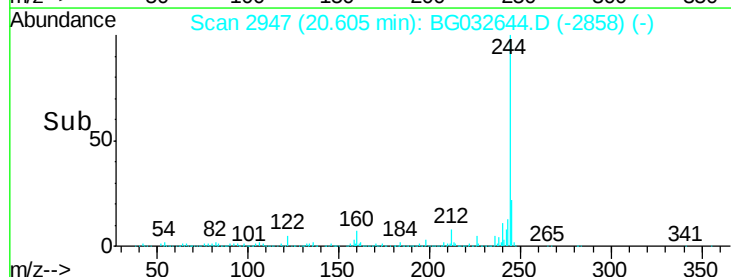
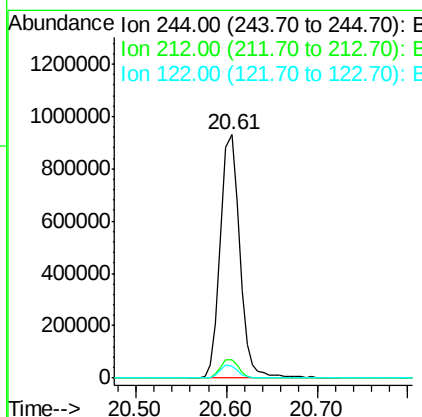
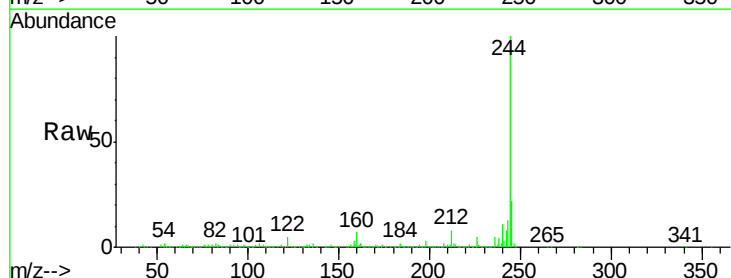
Instrument :
BNA_G
ClientSampleId :

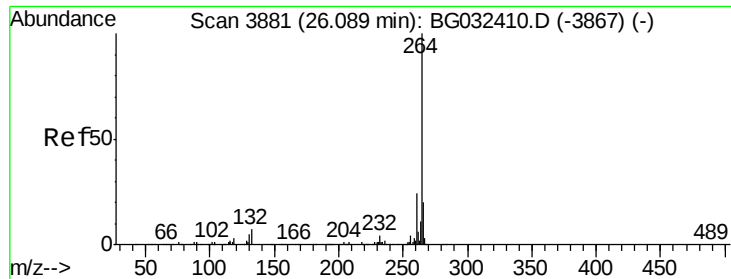
Tot Ion:184 Resp: 20937
Ion Ratio Lower Upper
184 100
185 16.8 11.1 16.7#
183 14.4 10.6 16.0



#78
Terphenyl-d14
Concen: 83.18 ng
RT: 20.61 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BG032644.D
Acq: 9 Feb 2018 23:20

Tgt Ion:244 Resp: 1386538
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.8
122 5.0 7.0 10.4#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.06 min Scan# 3876
Delta R.T. -0.00 min
Lab File: BG032644.D
Acq: 9 Feb 2018 23:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.4	17.7	26.5

