

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032617.D
 Acq On : 8 Feb 2018 19:19
 Operator : SJ/JU
 Sample : J1473-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:36:18 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

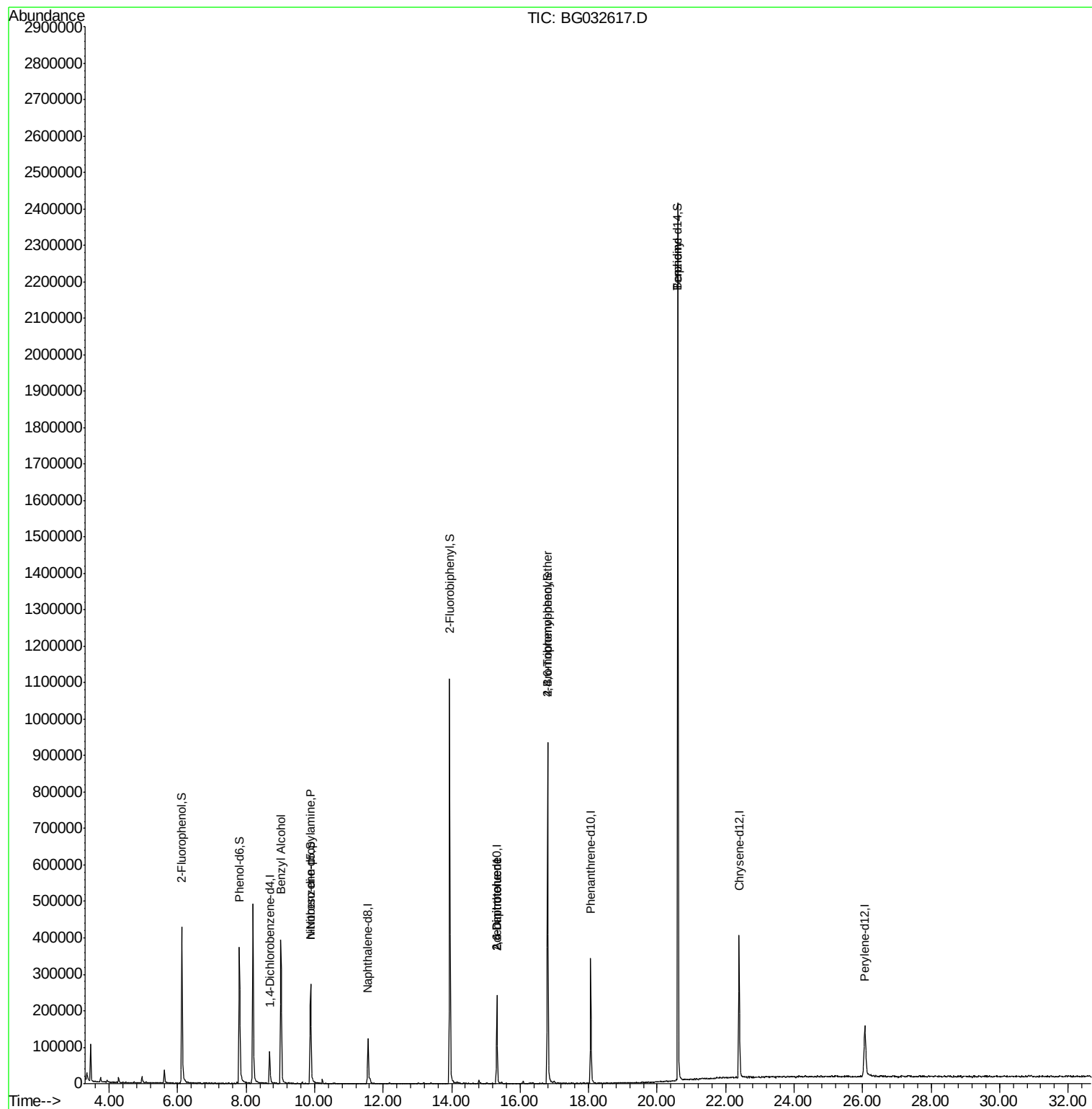
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	32220	20.00	ng	-0.02
21) Naphthalene-d8	11.56	136	133453	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	95450	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	255880	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	320296	20.00	ng	-0.01
86) Perylene-d12	26.06	264	171812	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	223255	139.17	ng	-0.02
7) Phenol-d6	7.80	99	256692	119.92	ng	-0.02
23) Nitrobenzene-d5	9.88	82	193717	90.67	ng	-0.03
41) 2,4,6-Tribromophenol	16.81	330	221921	122.14	ng	-0.01
44) 2-Fluorobiphenyl	13.94	172	699627	87.12	ng	-0.02
78) Terphenyl-d14	20.61	244	1340790	89.67	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.01	79	3597	2.04	ng	# 47
19) n-Nitroso-di-n-propylamine	9.88	70	29260	20.62	ng	# 77
50) 2,6-Dinitrotoluene	15.32	165	12144	6.57	ng	# 20
56) 2,4-Dinitrotoluene	15.32	165	12145	4.62	ng	# 18
66) 4-Bromophenyl-phenylether	16.81	248	19302	5.09	ng	# 1
76) Benzidine	20.61	184	21103	3.36	ng	# 90

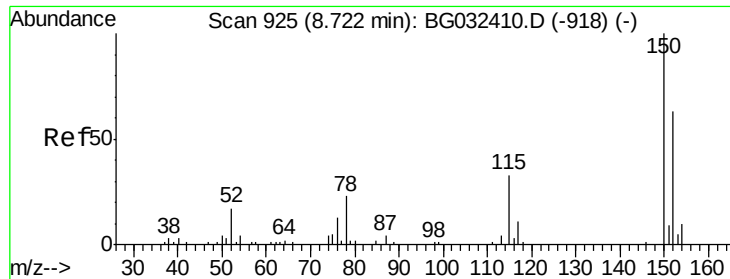
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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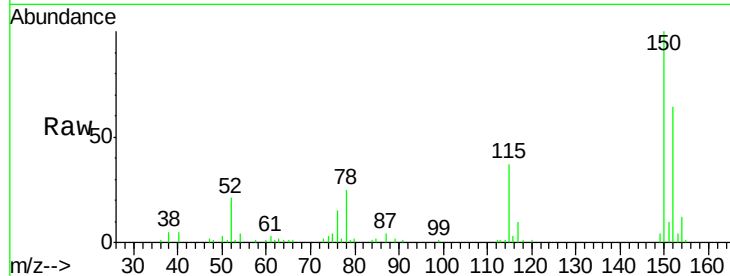


#1

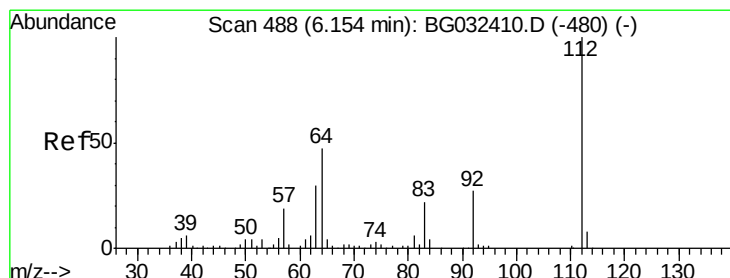
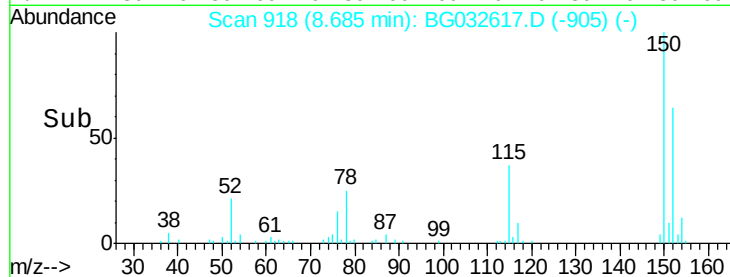
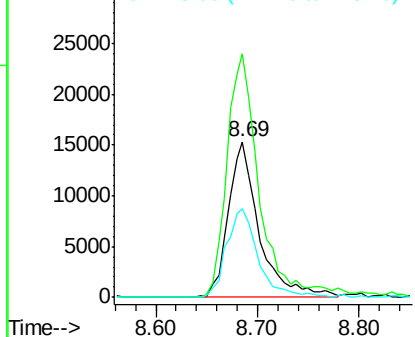
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 918
Delta R.T. -0.02 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 32220
Ion Ratio Lower Upper
152 100
150 156.7 126.6 189.8
115 57.4 53.0 79.4



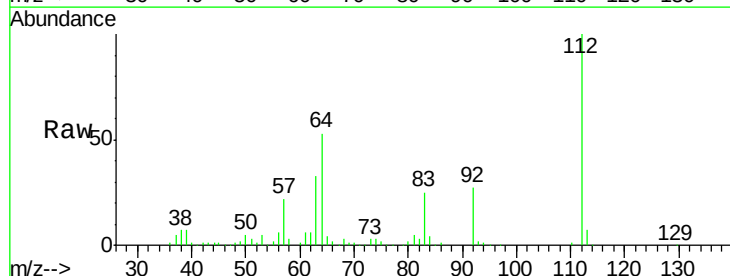
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



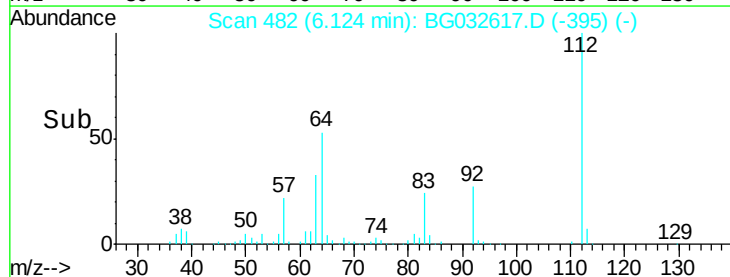
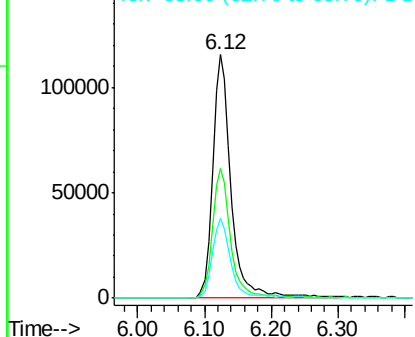
#5

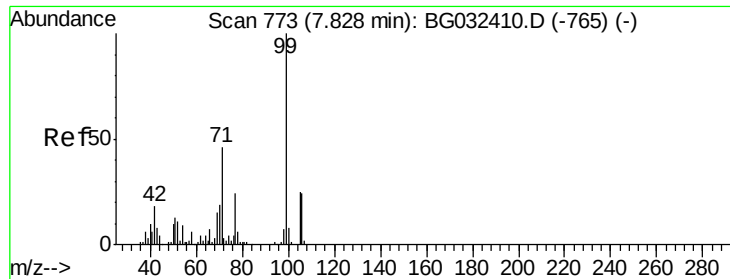
2-Fluorophenol
Concen: 139.17 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

Tgt Ion:112 Resp: 223255
Ion Ratio Lower Upper
112 100
64 53.4 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: 119.92 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

Instrument :

BNA_G

ClientSampleId :

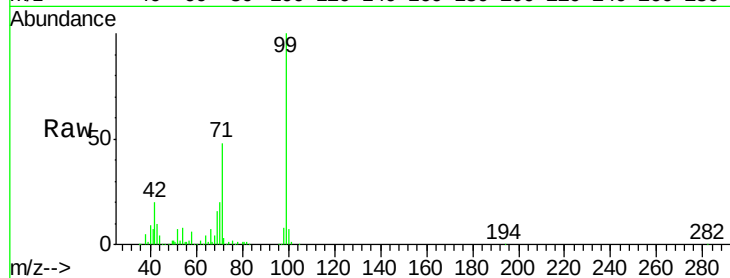
Tot Ion: 99 Resp: 256692

Ion Ratio Lower Upper

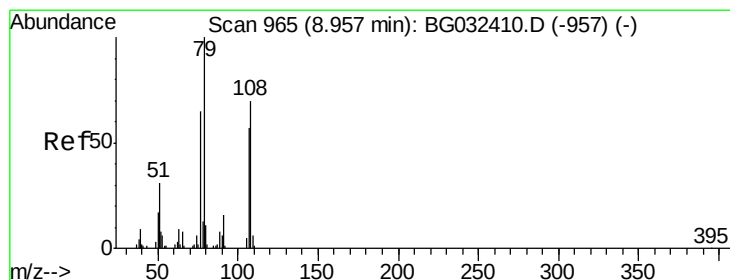
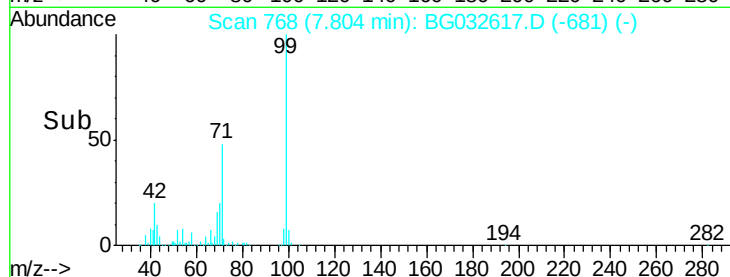
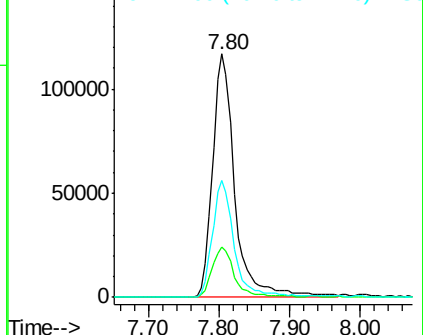
99 100

42 20.5 14.1 21.1

71 47.9 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: 2.04 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.07 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

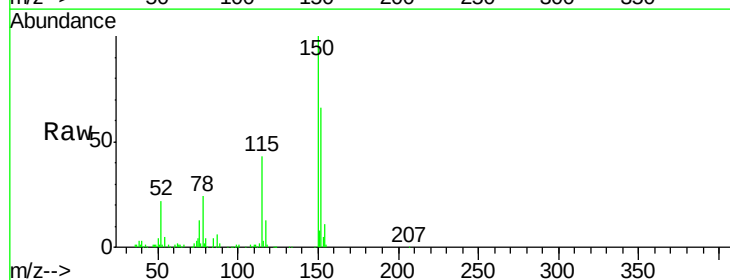
Tgt Ion: 79 Resp: 3597

Ion Ratio Lower Upper

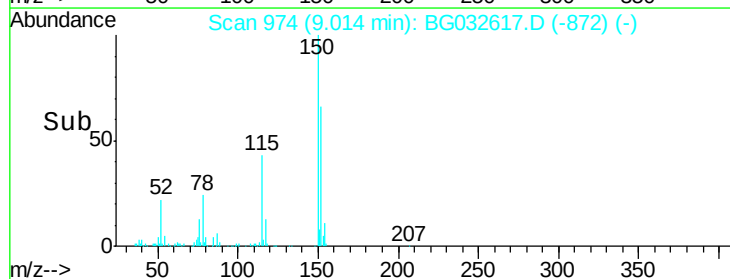
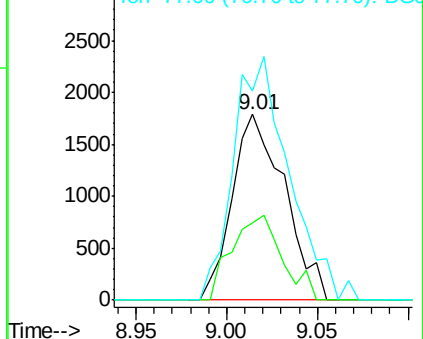
79 100

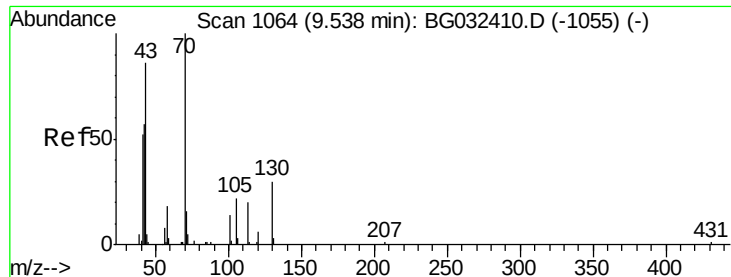
108 41.5 57.2 85.8#

77 112.9 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

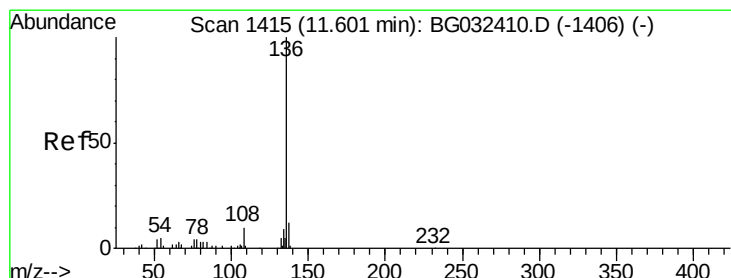
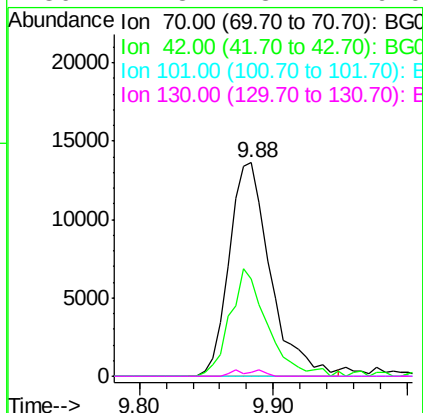
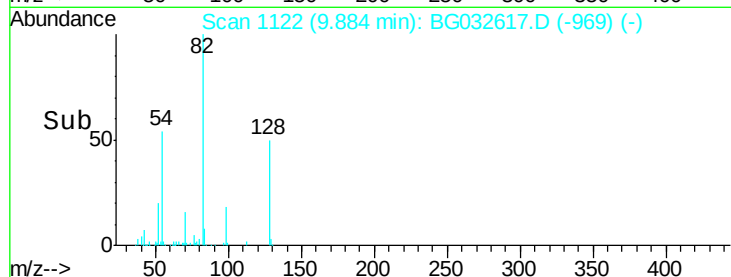
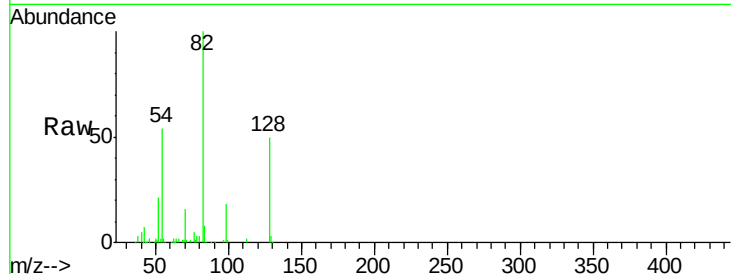




#19
n-Nitroso-di-n-propylamine
Concen: 20.62 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

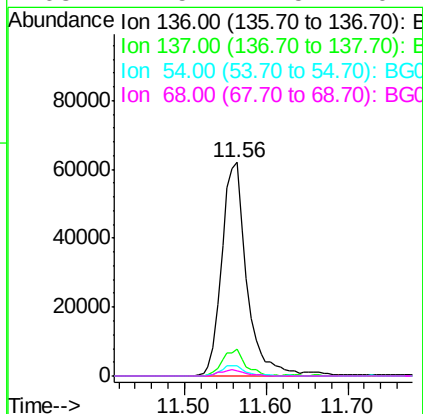
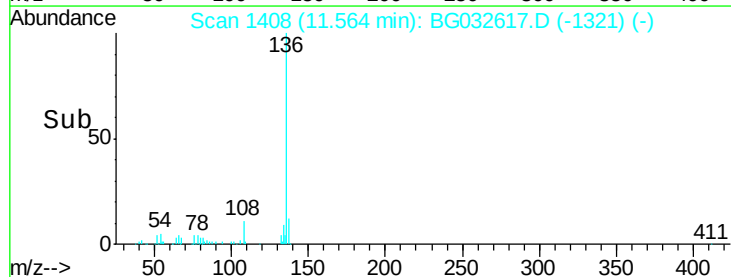
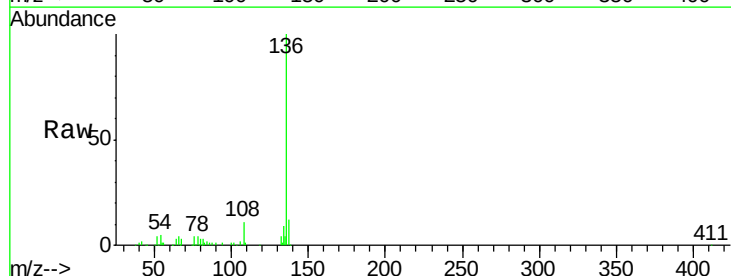
Instrument :
BNA_G
ClientSampleId :

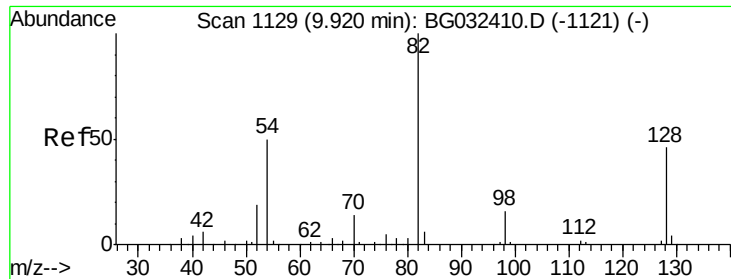
Tot Ion: 70 Resp: 29260
Ion Ratio Lower Upper
70 100
42 46.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

Tgt Ion: 136 Resp: 133453
Ion Ratio Lower Upper
136 100
137 12.5 9.2 13.8
54 4.8 10.3 15.5#
68 2.5 4.5 6.7#

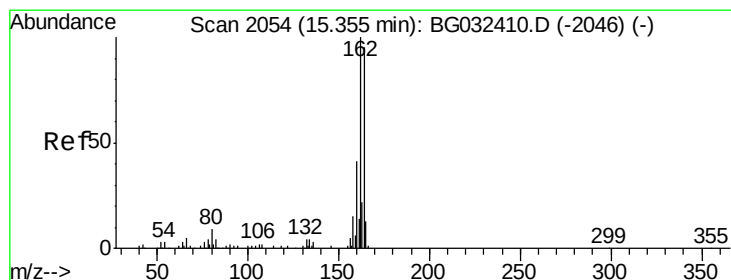
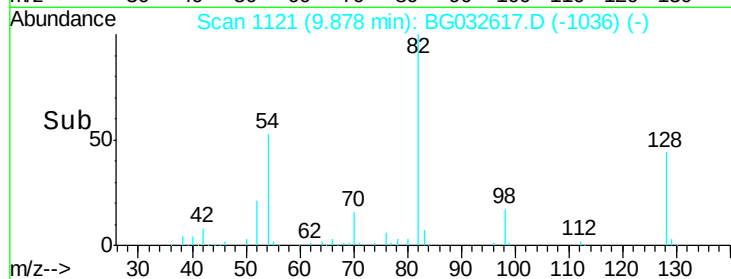
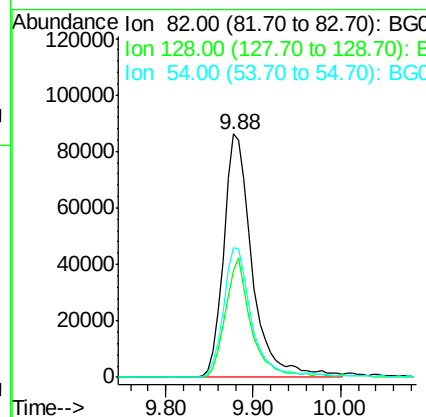
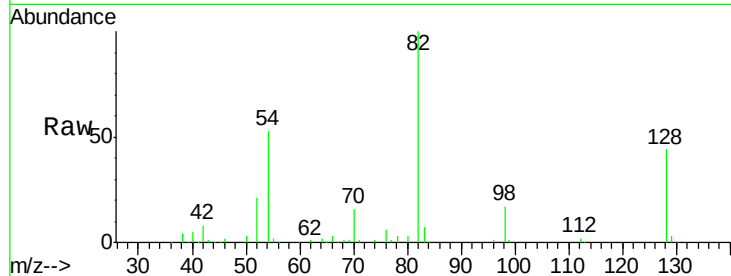




#23
 Nitrobenzene-d5
 Concen: 90.67 ng
 RT: 9.88 min Scan# 1121
 Delta R.T. -0.03 min
 Lab File: BG032617.D
 Acq: 8 Feb 2018 19:19

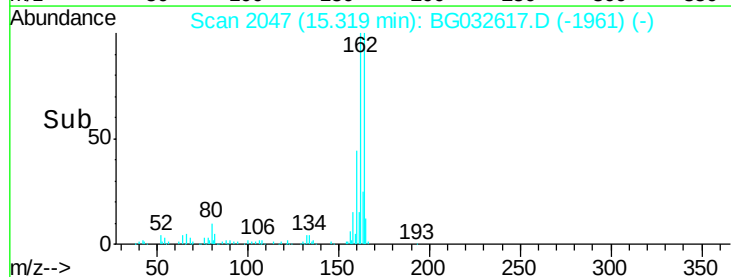
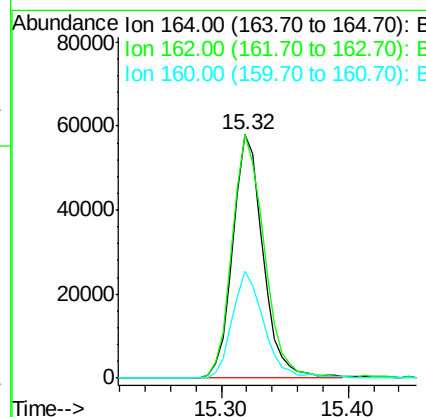
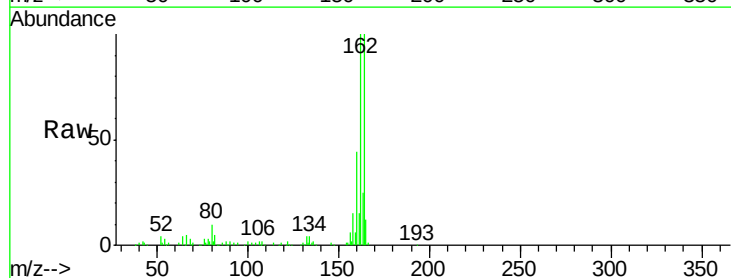
Instrument :
 BNA_G
 ClientSampleId :

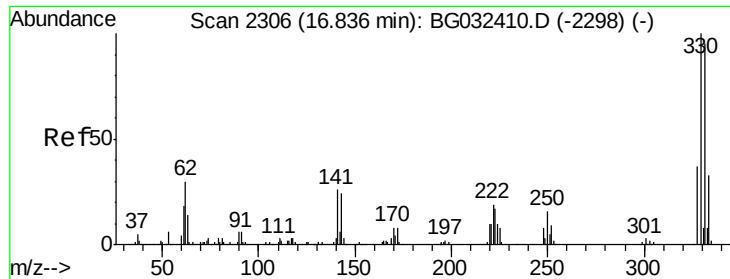
Tot Ion	82	Resp	193717
Ion Ratio	100	Lower	Upper
128	43.7	29.7	44.5
54	53.1	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. -0.02 min
 Lab File: BG032617.D
 Acq: 8 Feb 2018 19:19

Tgt Ion	164	Resp	95450
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	100.0	78.8	118.2
160	44.0	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 122.14 ng

RT: 16.81 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

Instrument :

BNA_G

ClientSampleId :

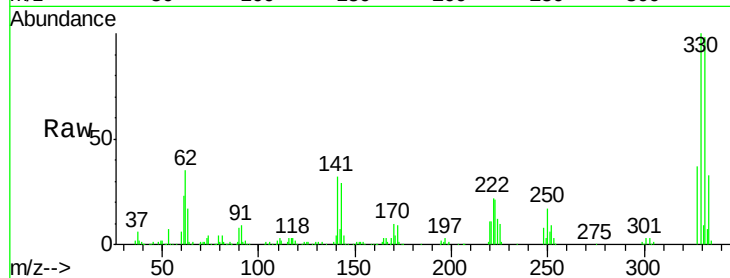
Tot Ion:330 Resp: 221921

Ion Ratio Lower Upper

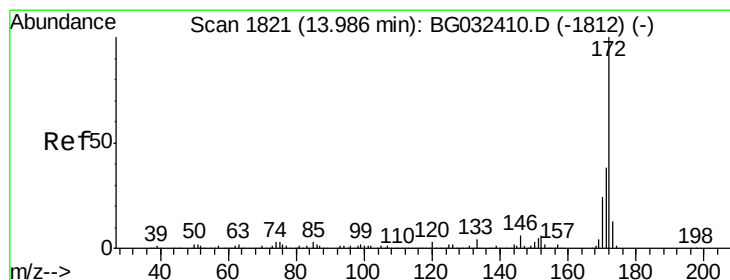
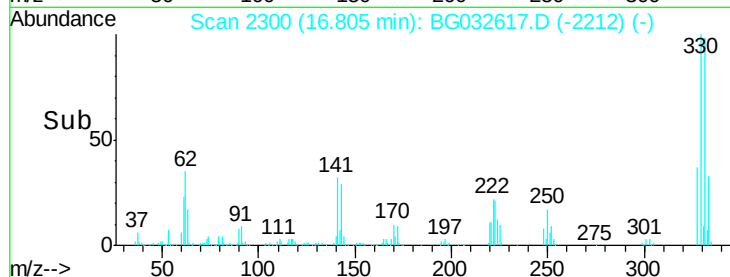
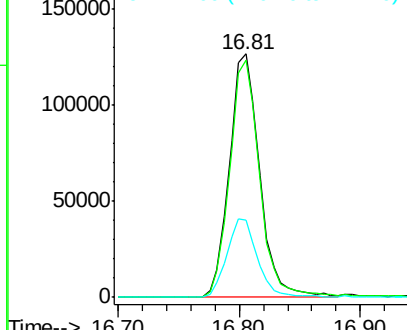
330 100

332 96.6 77.0 115.6

141 32.9 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: 87.12 ng

RT: 13.94 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

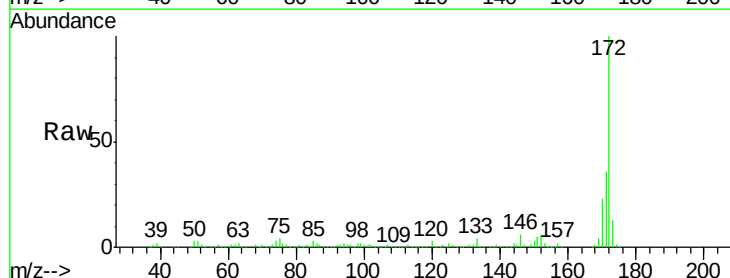
Tgt Ion:172 Resp: 699627

Ion Ratio Lower Upper

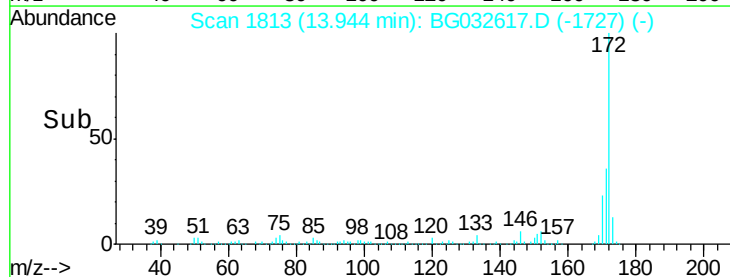
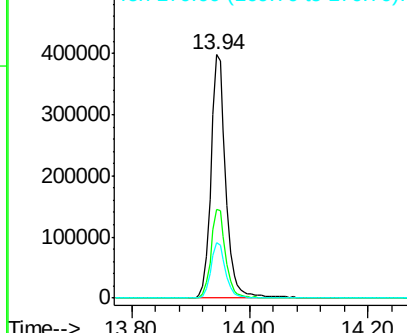
172 100

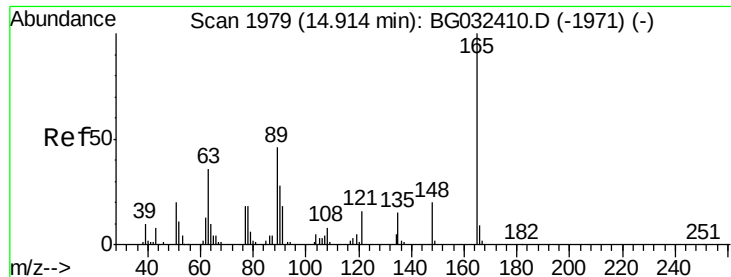
171 36.2 30.0 45.0

170 22.6 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

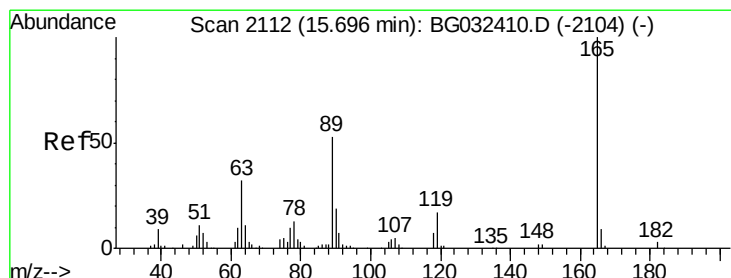
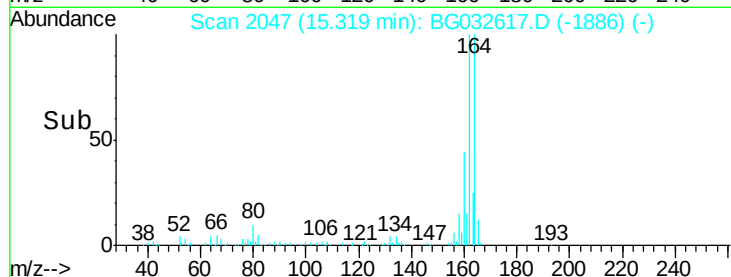
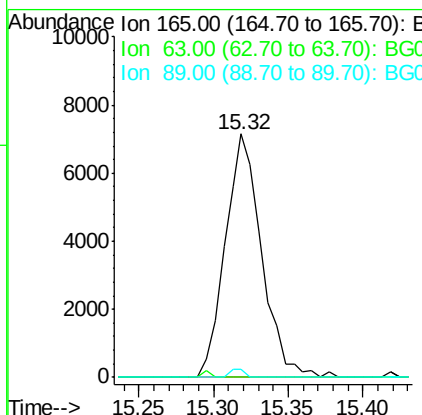
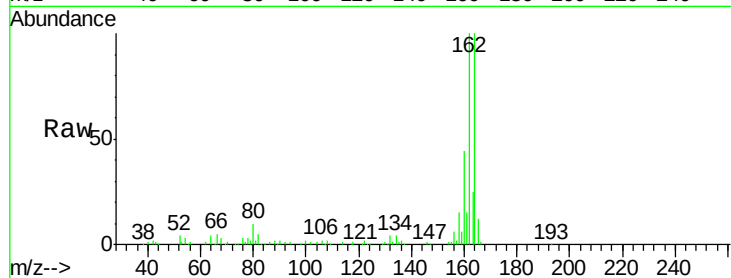




#50
 2,6-Dinitrotoluene
 Concen: 6.57 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. 0.42 min
 Lab File: BG032617.D
 Acq: 8 Feb 2018 19:19

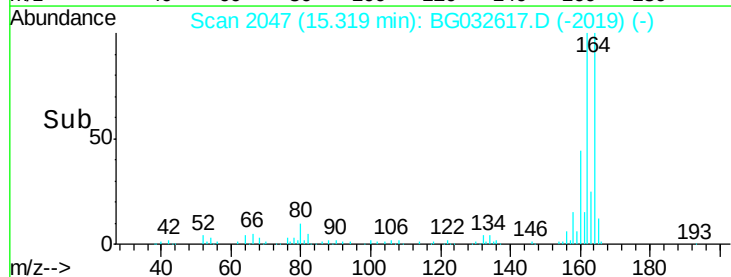
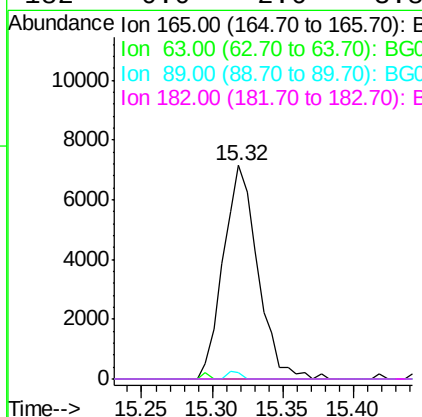
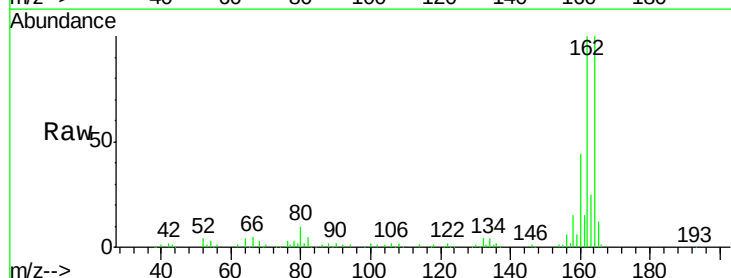
Instrument :
 BNA_G
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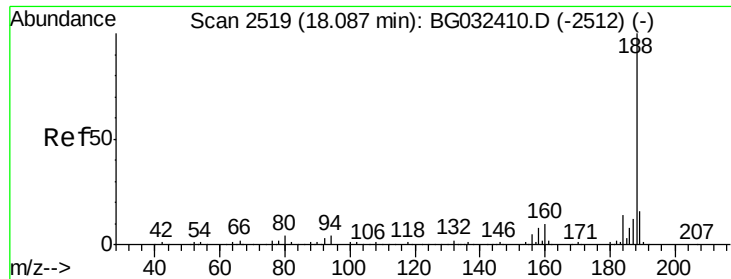
Tot Ion:165 Resp: 12144
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.2 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.62 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. -0.37 min
 Lab File: BG032617.D
 Acq: 8 Feb 2018 19:19

Tgt Ion:165 Resp: 12145
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.2 66.9 100.3#
 182 0.0 2.6 3.8#

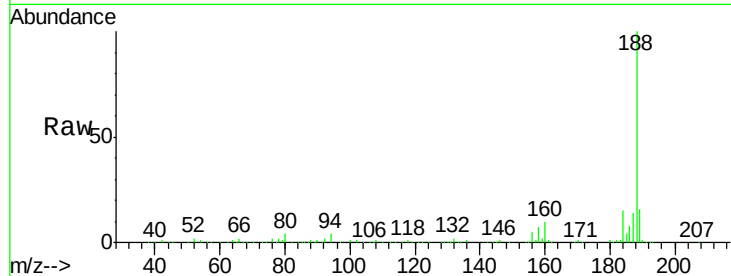




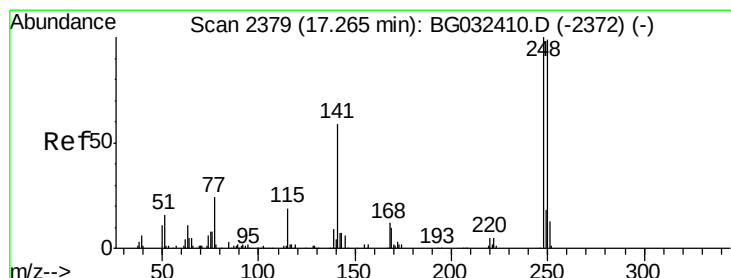
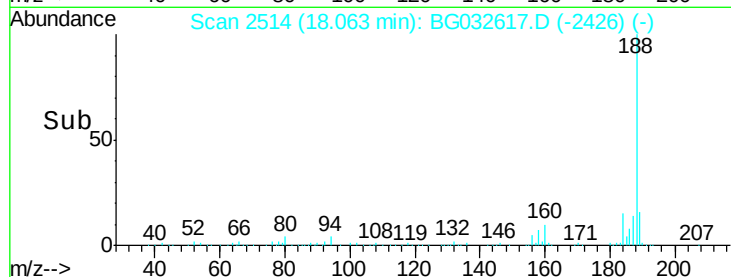
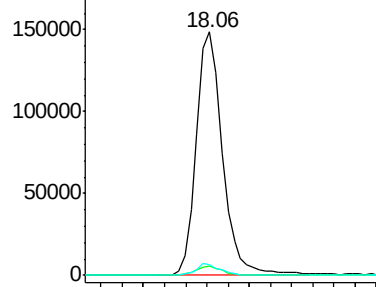
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.06 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 255880
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 4.3 7.7 11.5#

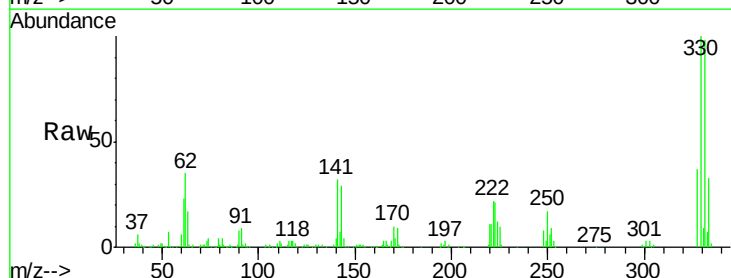


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

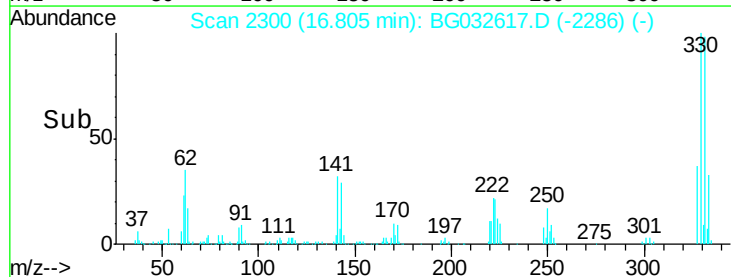
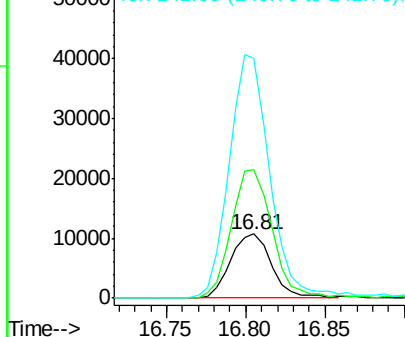


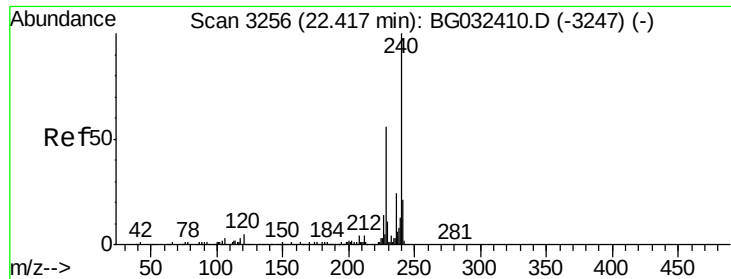
#66
4-Bromophenyl-phenylether
Concen: 5.09 ng
RT: 16.81 min Scan# 2300
Delta R.T. -0.45 min
Lab File: BG032617.D
Acq: 8 Feb 2018 19:19

Tgt Ion:248 Resp: 19302
Ion Ratio Lower Upper
248 100
250 201.0 77.1 115.7#
141 375.3 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. -0.01 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

Instrument :

BNA_G

ClientSampleId :

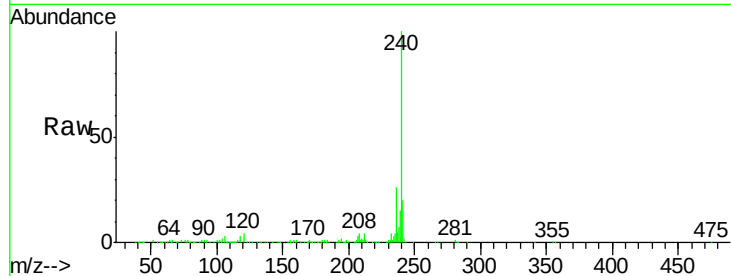
Tot Ion:240 Resp: 320296

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

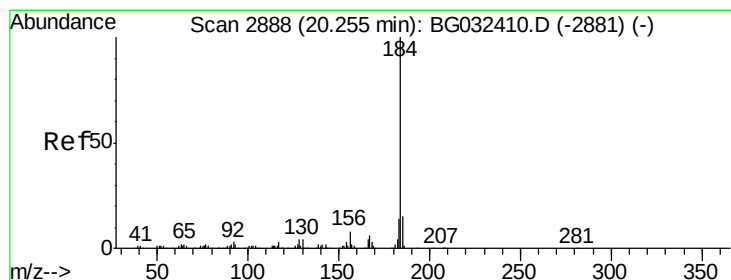
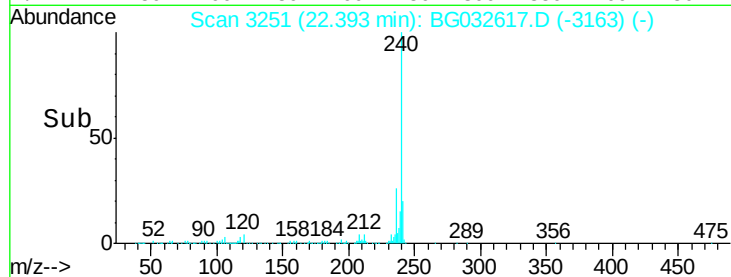
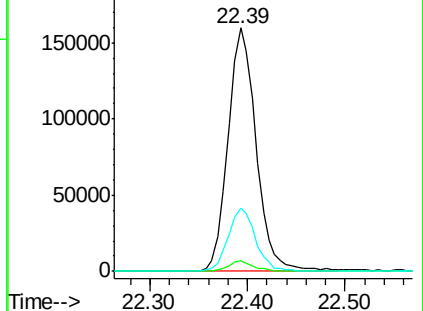
236 25.7 20.9 31.3



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: 3.36 ng

RT: 20.61 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

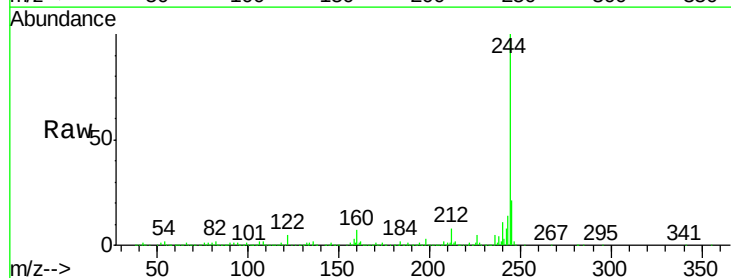
Tgt Ion:184 Resp: 21103

Ion Ratio Lower Upper

184 100

185 18.2 11.1 16.7#

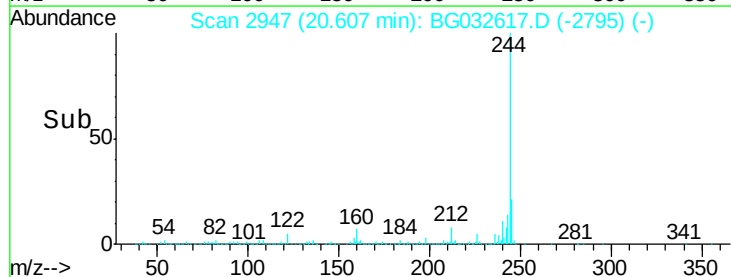
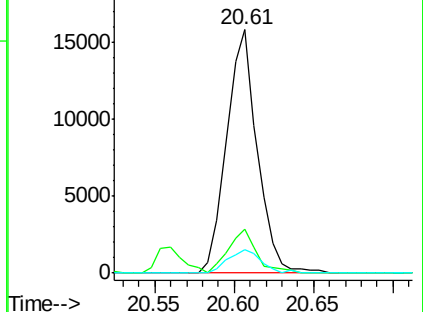
183 9.5 10.6 16.0#

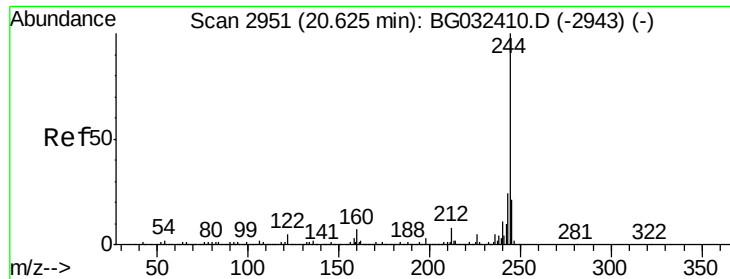


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.67 ng

RT: 20.61 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032617.D

Acq: 8 Feb 2018 19:19

Instrument :

BNA_G

ClientSampleId :

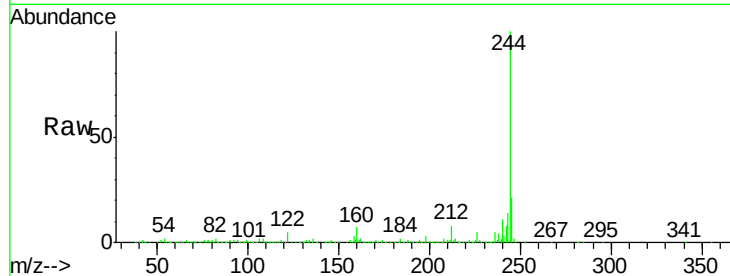
Tot Ion:244 Resp: 1340790

Ion Ratio Lower Upper

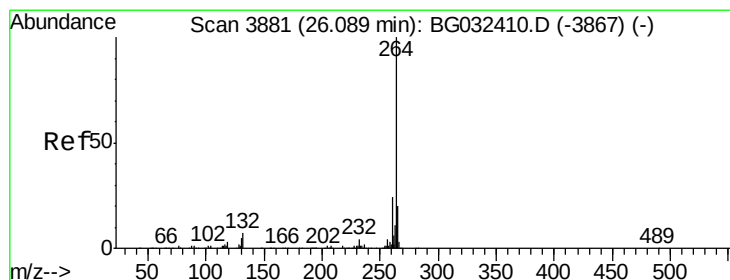
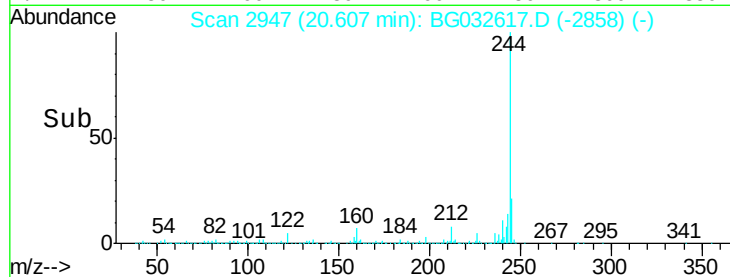
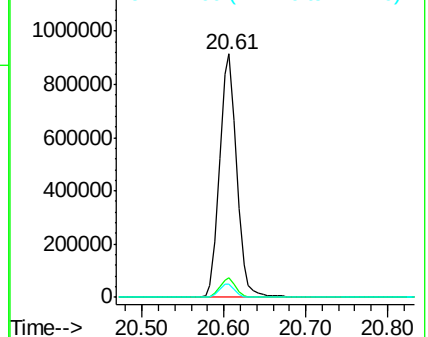
244 100

212 7.9 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: BG032617.D

Acq: 8 Feb 2018 19:19

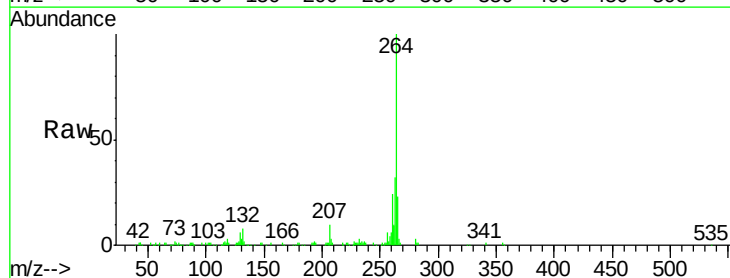
Tgt Ion:264 Resp: 171812

Ion Ratio Lower Upper

264 100

260 23.9 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

