

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012117\
 Data File : BG025579.D
 Acq On : 21 Jan 2017 18:45
 Operator : UM/SJ
 Sample : I1329-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S6-0-3FT-COMP

Quant Time: Jan 23 00:59:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 11:26:22 2017
 Response via : Initial Calibration

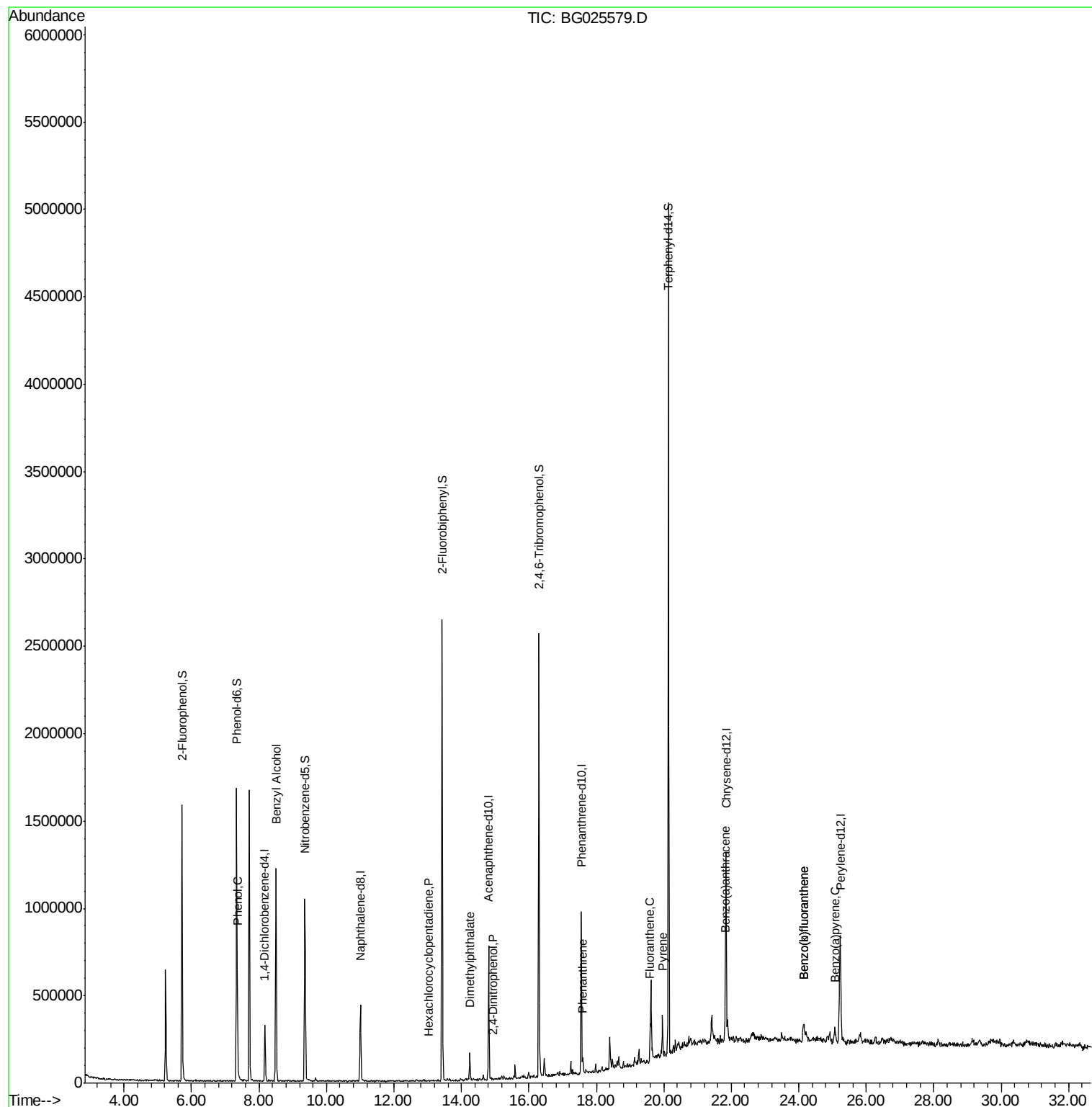
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	78272	20.00	ng	-0.02
21) Naphthalene-d8	11.01	136	346229	20.00	ng	-0.02
38) Acenaphthene-d10	14.81	164	261906	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	569667	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	714558	20.00	ng	-0.02
86) Perylene-d12	25.23	264	738753	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	615996	143.05	ng	-0.02
7) Phenol-d6	7.34	99	882394	145.50	ng	-0.02
23) Nitrobenzene-d5	9.36	82	671867	85.73	ng	-0.02
41) 2,4,6-Tribromophenol	16.30	330	504057	119.54	ng	-0.02
44) 2-Fluorobiphenyl	13.43	172	1256853	77.69	ng	-0.02
78) Terphenyl-d14	20.14	244	1997308	74.11	ng	-0.02
Target Compounds						
10) Phenol	7.36	94	47962	7.13	ng	Qvalue 87
15) Benzyl Alcohol	8.50	79	11833	2.04	ng	# 63
40) Hexachlorocyclopentadiene	13.02	237	67	8.53	ng	# 29
49) Dimethylphthalate	14.25	163	107306	5.62	ng	# 93
53) 2,4-Dinitrophenol	14.94	184	162	5.13	ng	# 15
70) Phenanthrene	17.60	178	58808	2.00	ng	92
74) Fluoranthene	19.60	202	139142	3.59	ng	96
77) Pyrene	19.96	202	139365	3.73	ng	96
80) Benzo(a)anthracene	21.82	228	93315	2.34	ng	94
87) Benzo(b)fluoranthene	24.15	252	112057	2.78	ng	95
88) Benzo(k)fluoranthene	24.15	252	112057	2.88	ng	98
89) Benzo(a)pyrene	25.07	252	81715	2.10	ng	96

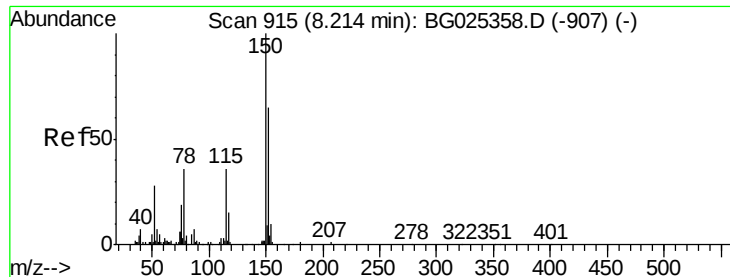
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 909

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

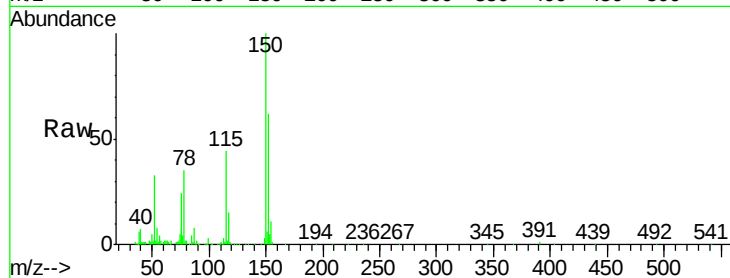
Tgt Ion:152 Resp: 78272

Ion Ratio Lower Upper

152 100

150 161.9 114.0 171.0

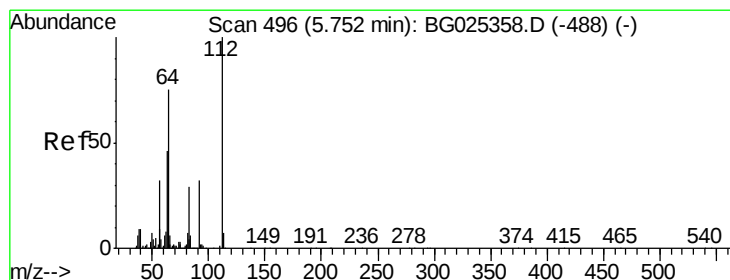
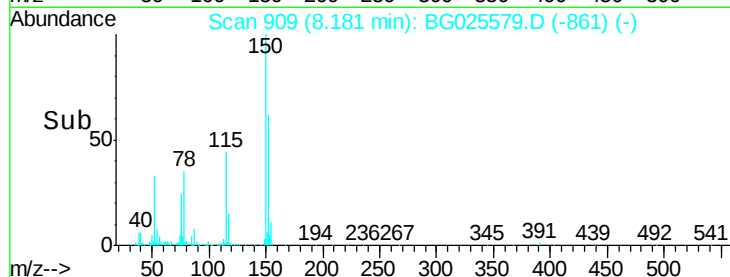
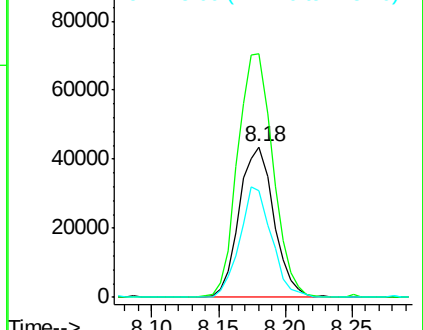
115 70.7 48.1 72.1



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: 143.05 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

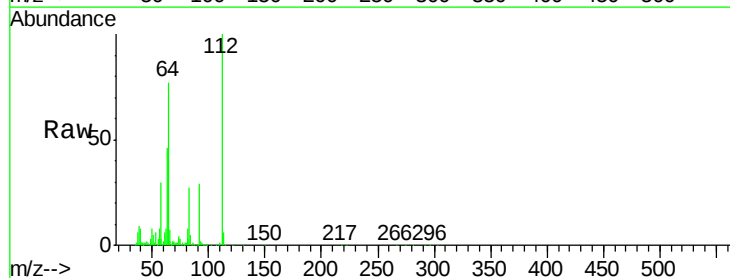
Tgt Ion:112 Resp: 615996

Ion Ratio Lower Upper

112 100

64 77.0 61.8 92.6

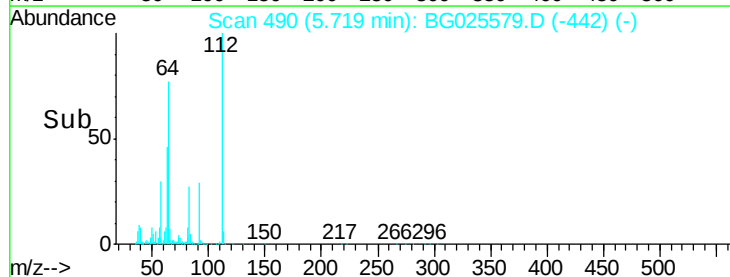
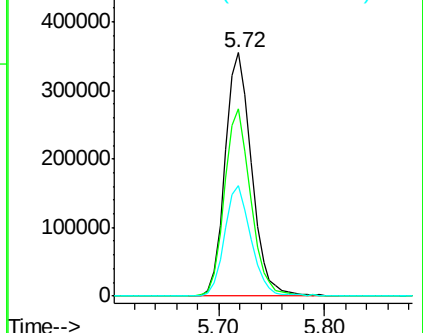
63 45.5 37.2 55.8

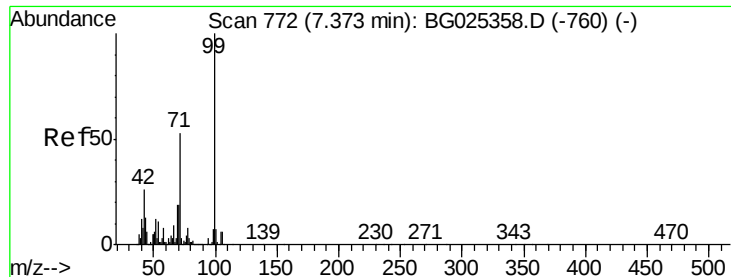


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 145.50 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

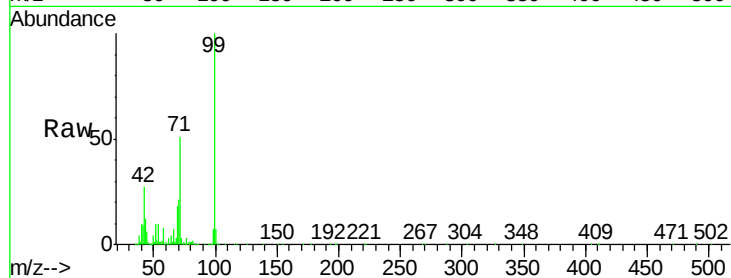
Tgt Ion: 99 Resp: 882394

Ion Ratio Lower Upper

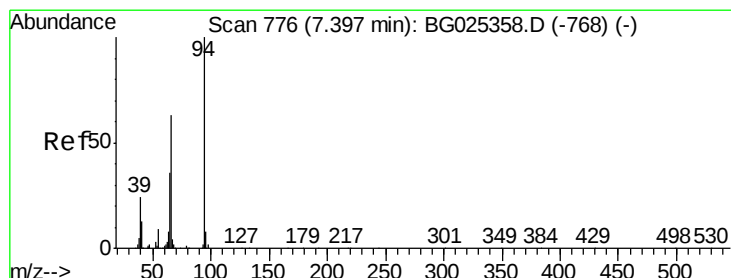
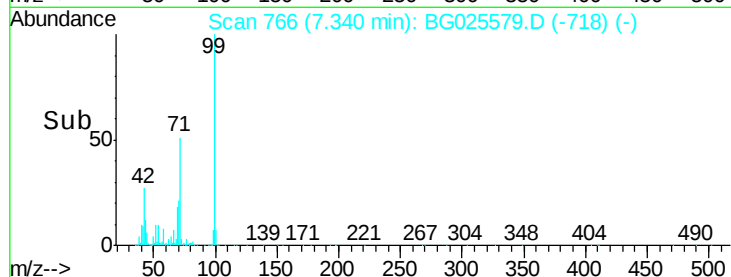
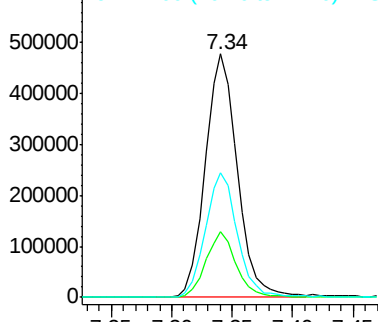
99 100

42 27.0 20.5 30.7

71 51.0 37.6 56.4



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



#10

Phenol

Concen: 7.13 ng

RT: 7.36 min Scan# 770

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

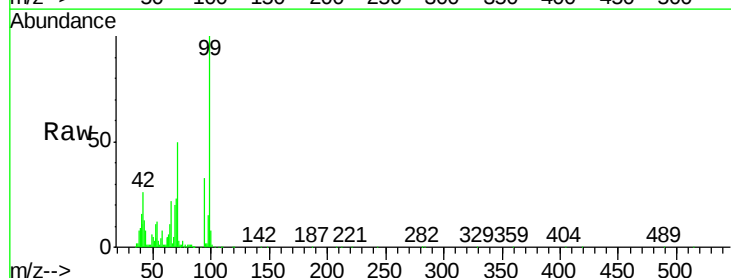
Tgt Ion: 94 Resp: 47962

Ion Ratio Lower Upper

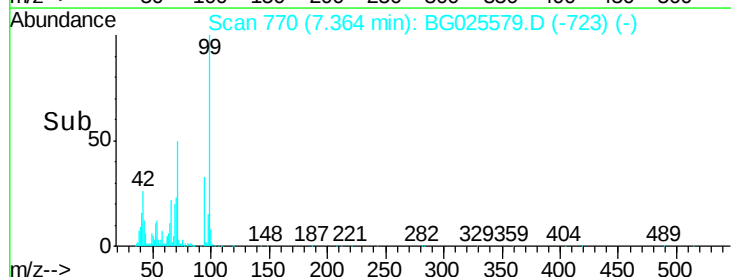
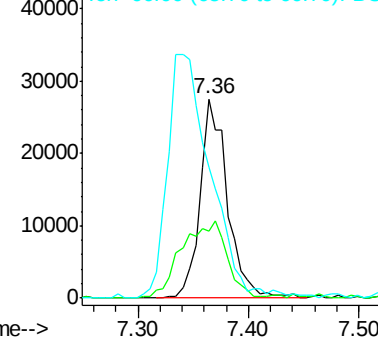
94 100

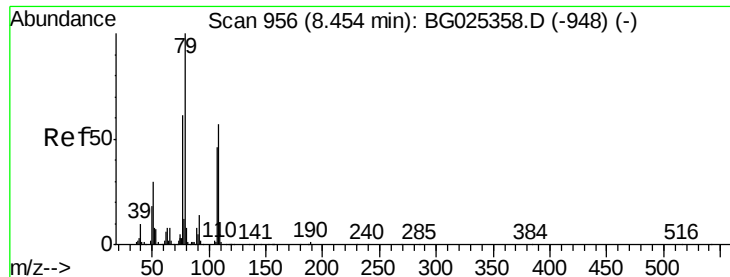
65 33.6 20.6 60.6

66 65.9 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 8.50 min Scan# 964

Delta R.T. 0.06 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

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ClientSampleId :

S6-0-3FT-COMP

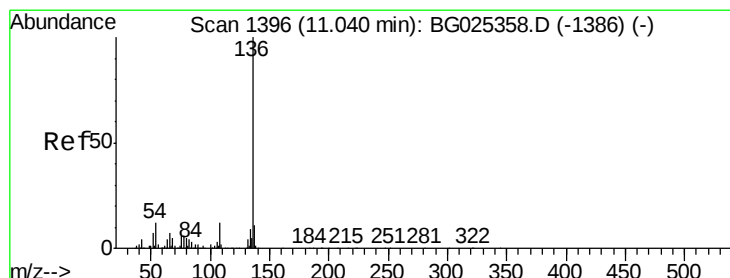
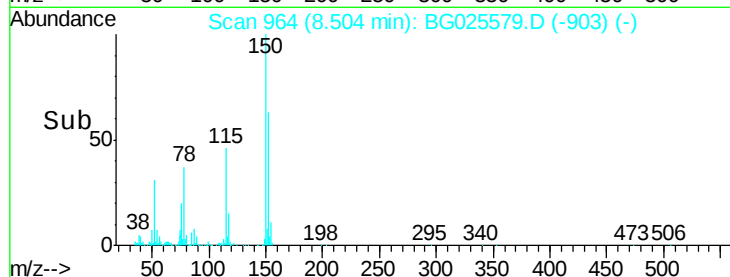
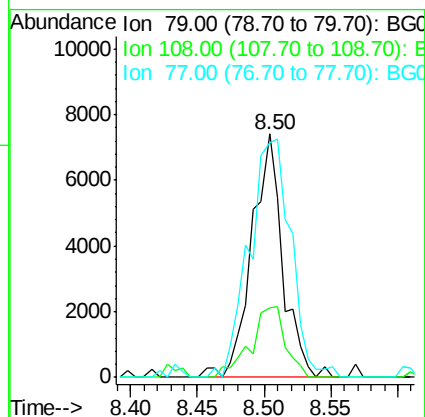
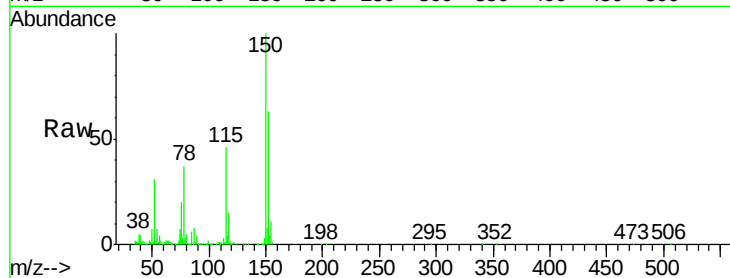
Tgt Ion: 79 Resp: 11833

Ion Ratio Lower Upper

79 100

108 28.3 45.5 68.3#

77 96.2 54.3 81.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.01 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Tgt Ion: 136 Resp: 346229

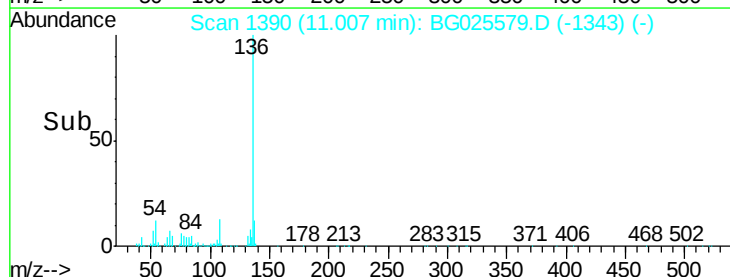
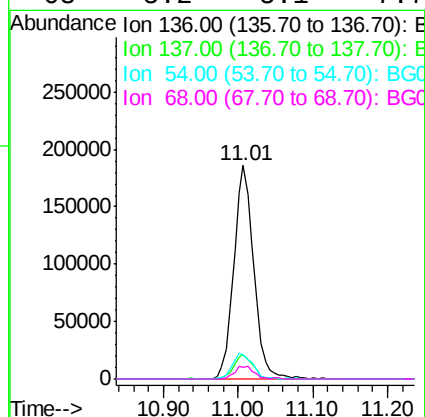
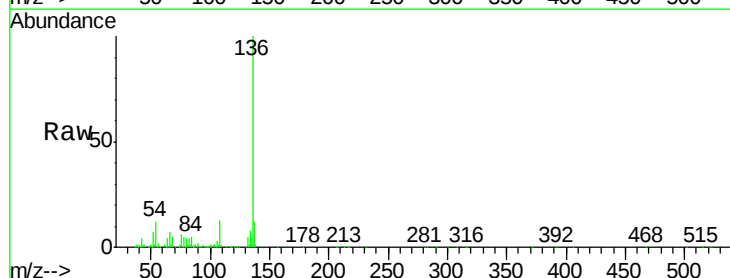
Ion Ratio Lower Upper

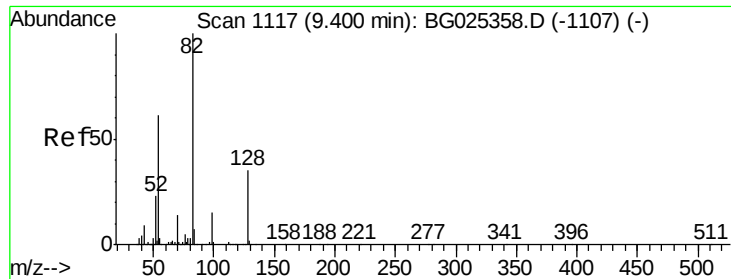
136 100

137 11.5 8.9 13.3

54 11.7 9.3 13.9

68 5.2 5.1 7.7

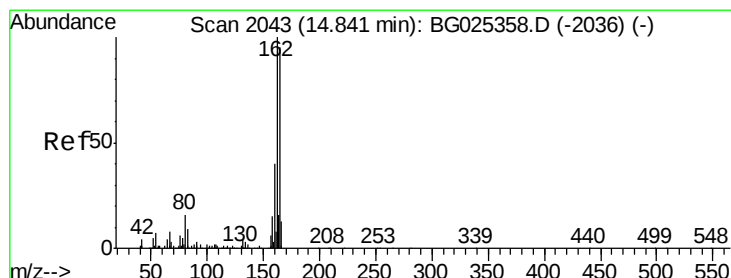
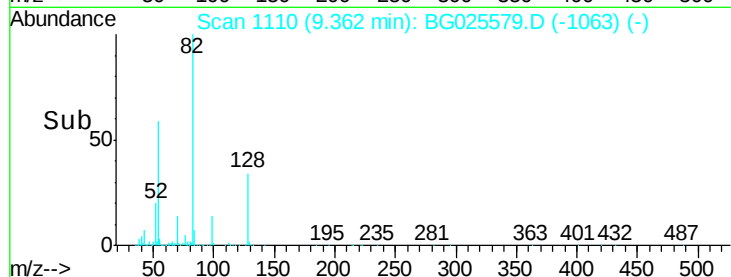
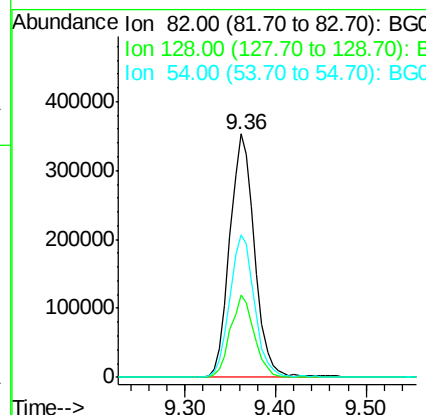
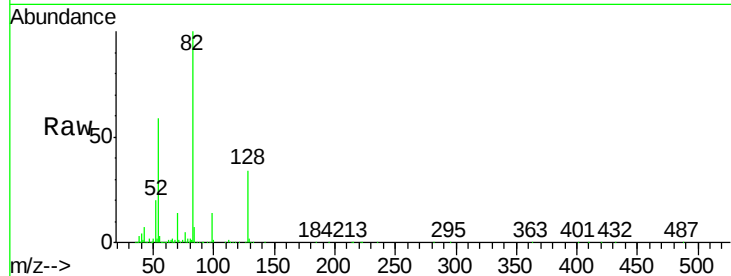




#23
 Nitrobenzene-d5
 Concen: 85.73 ng
 RT: 9.36 min Scan# 1110
 Delta R.T. -0.02 min
 Lab File: BG025579.D
 Acq: 21 Jan 2017 18:45

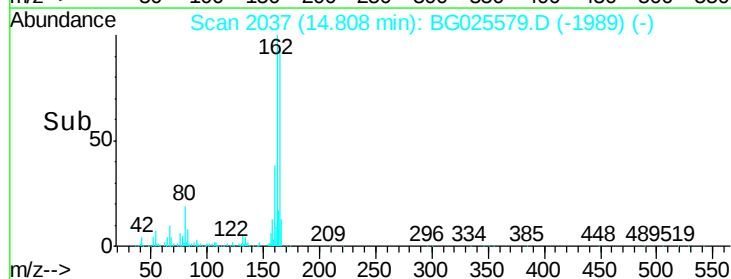
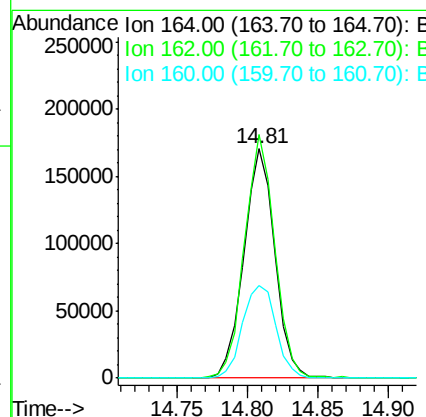
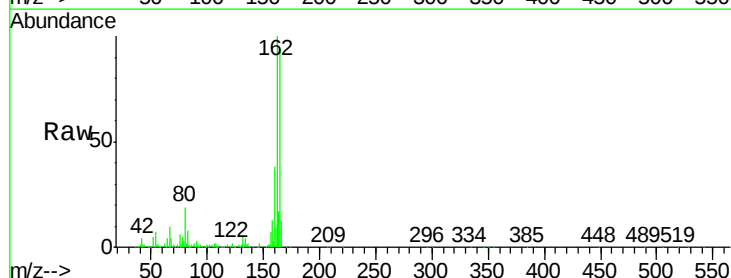
Instrument :
 BNA_G
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 S6-0-3FT-COMP

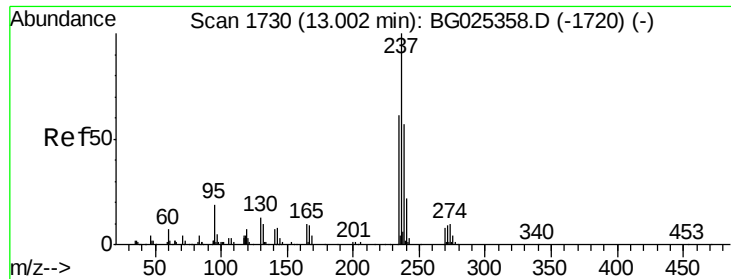
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.9	26.4	39.6
54	58.6	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2037
 Delta R.T. -0.02 min
 Lab File: BG025579.D
 Acq: 21 Jan 2017 18:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.1	127.7
160	40.7	34.7	52.1





#40

Hexachlorocyclopentadiene

Concen: 8.53 ng

RT: 13.02 min Scan# 1733

Delta R.T. 0.03 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

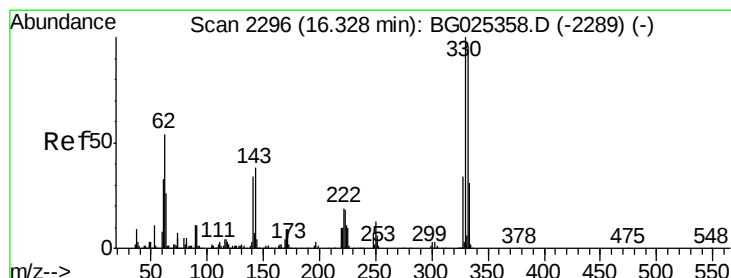
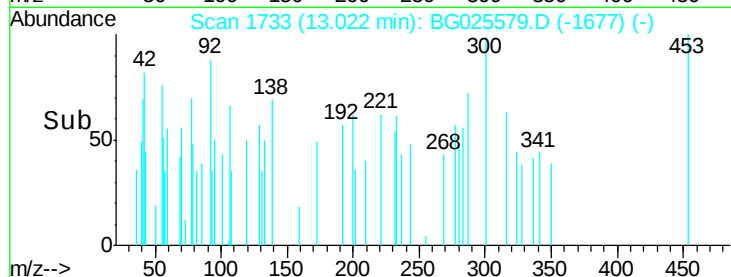
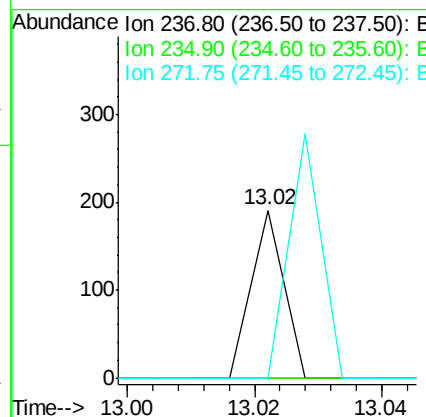
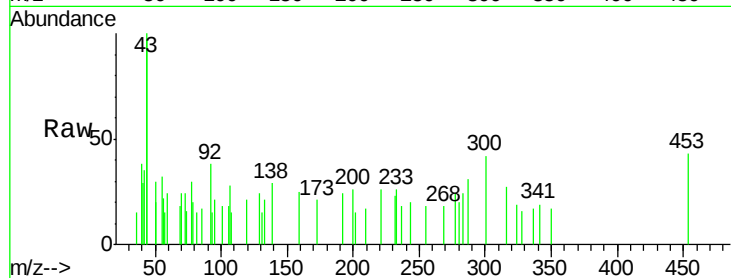
Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

Tgt Ion:	237	Resp:	67
Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	0.0	0.0	32.0



#41

2,4,6-Tribromophenol

Concen: 119.54 ng

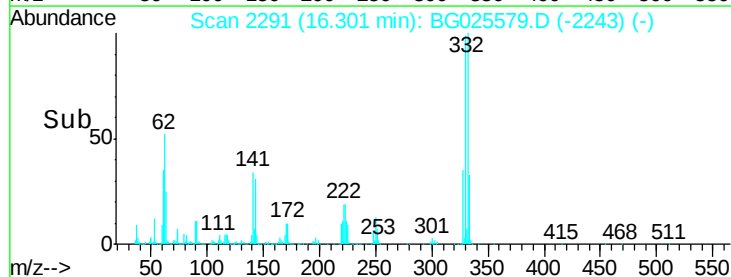
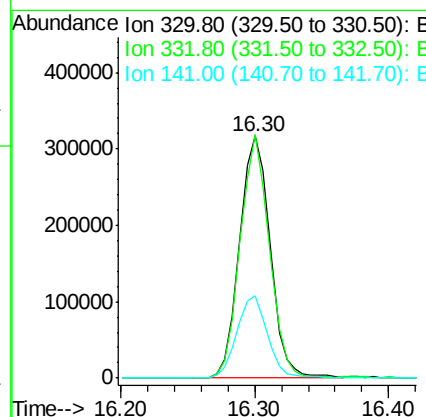
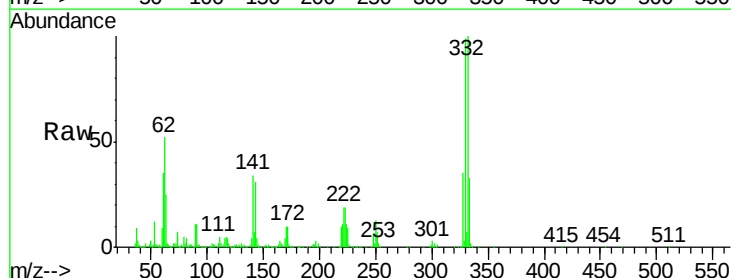
RT: 16.30 min Scan# 2291

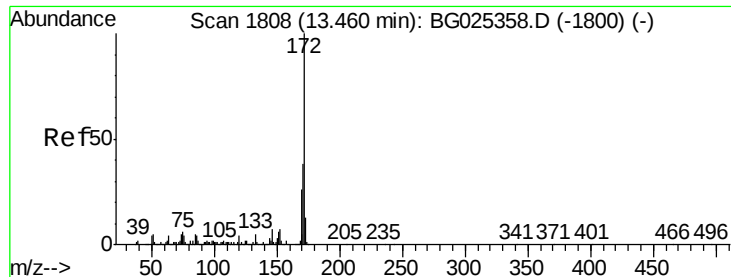
Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Tgt Ion:	330	Resp:	504057
Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.3	115.9
141	34.4	32.1	48.1





#44

2-Fluorobiphenyl

Concen: 77.69 ng

RT: 13.43 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

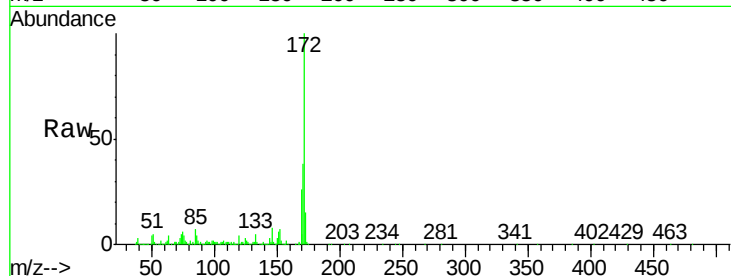
Tgt Ion:172 Resp: 1256853

Ion Ratio Lower Upper

172 100

171 38.0 32.2 48.2

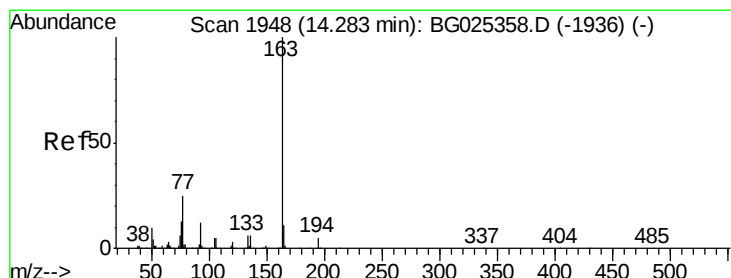
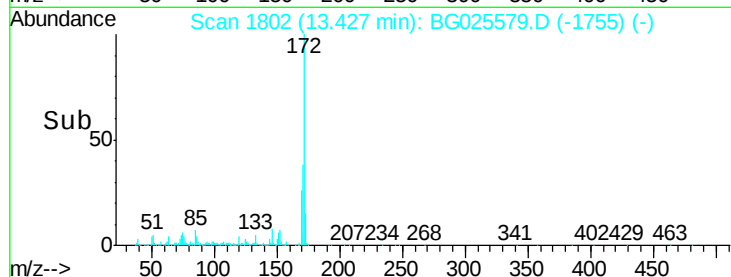
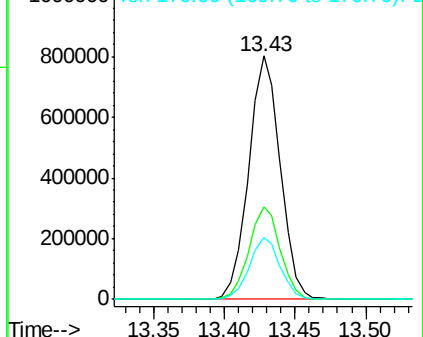
170 25.6 21.8 32.6



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



#49

Dimethylphthalate

Concen: 5.62 ng

RT: 14.25 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

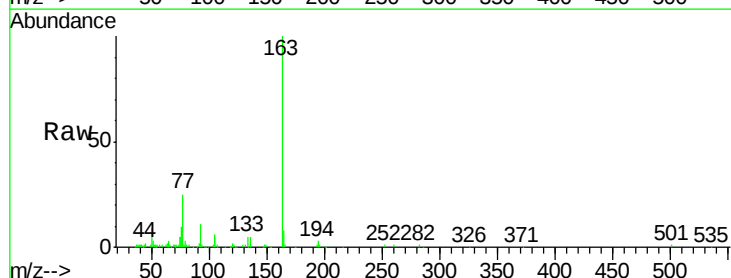
Tgt Ion:163 Resp: 107306

Ion Ratio Lower Upper

163 100

194 3.5 3.8 5.6#

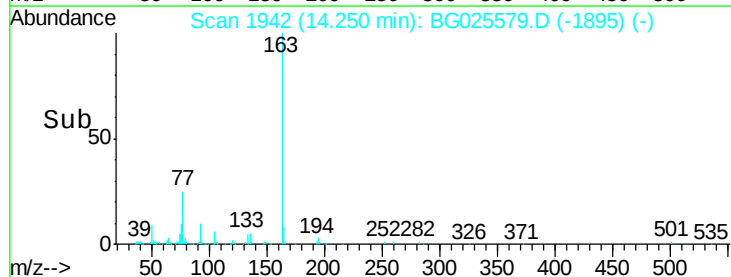
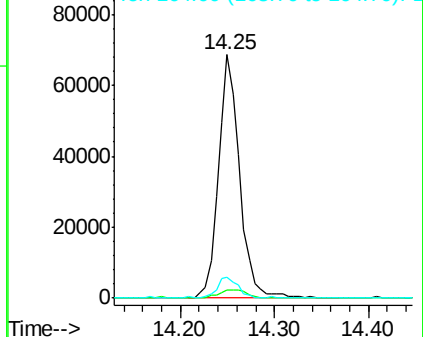
164 8.3 9.3 13.9#

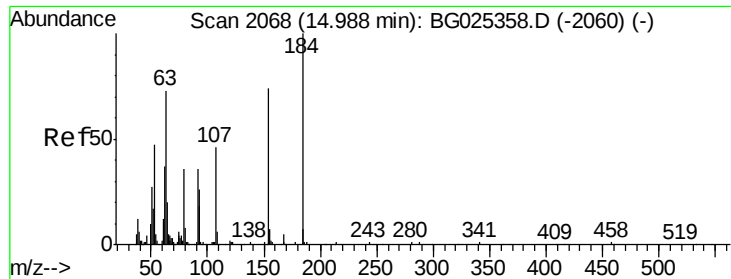


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

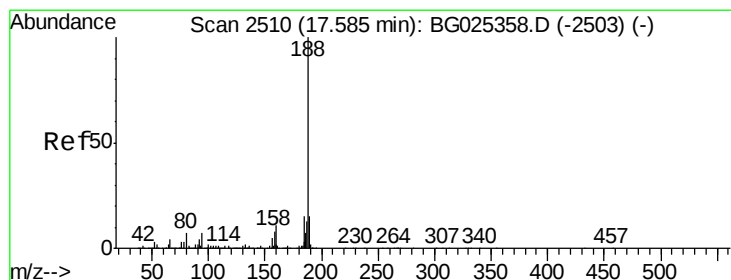
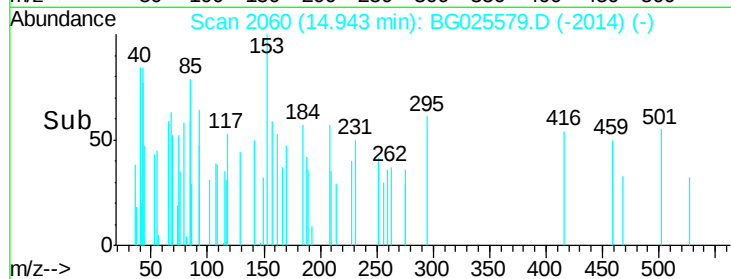
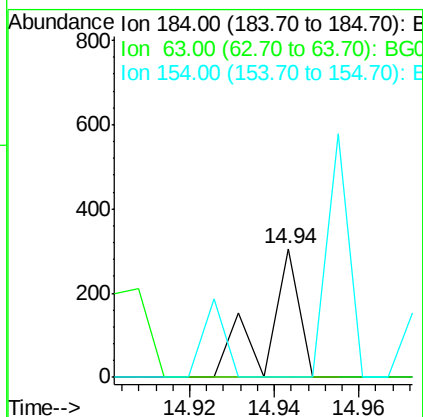
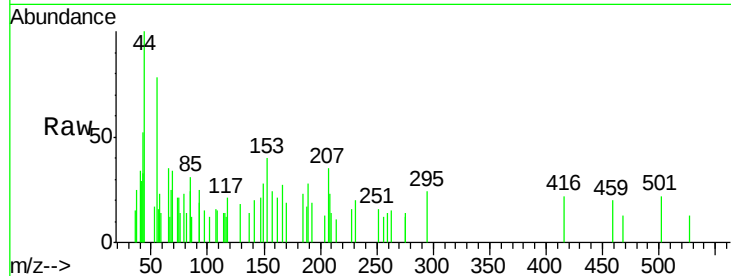




#53
2,4-Dinitrophenol
Concen: 5.13 ng
RT: 14.94 min Scan# 2060
Delta R.T. -0.03 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

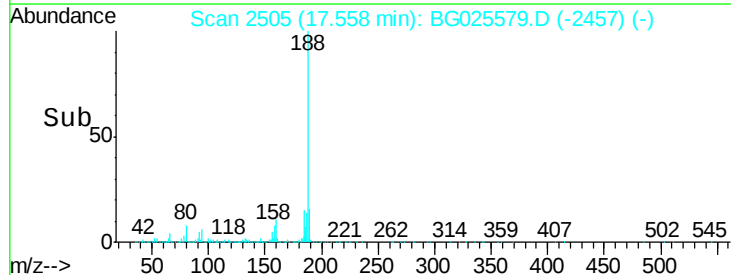
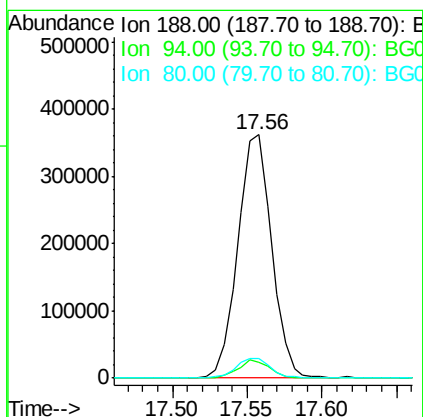
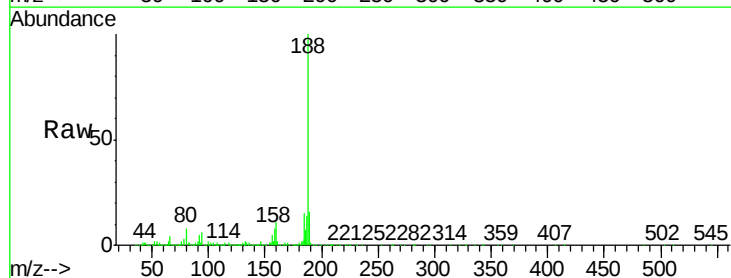
Instrument :
BNA_G
ClientSampleId :
S6-0-3FT-COMP

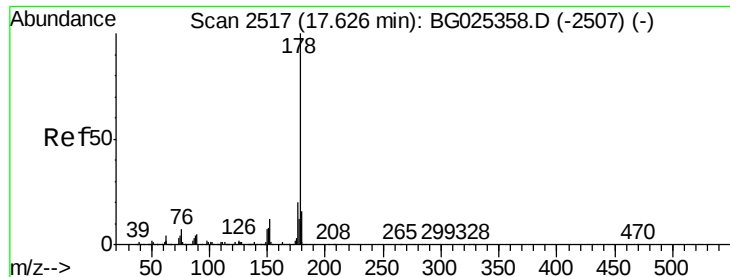
Tgt Ion:184 Resp: 162
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

Tgt Ion:188 Resp: 569667
Ion Ratio Lower Upper
188 100
94 6.2 5.8 8.8
80 8.2 7.5 11.3





#70

Phenanthrene

Concen: 2.00 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

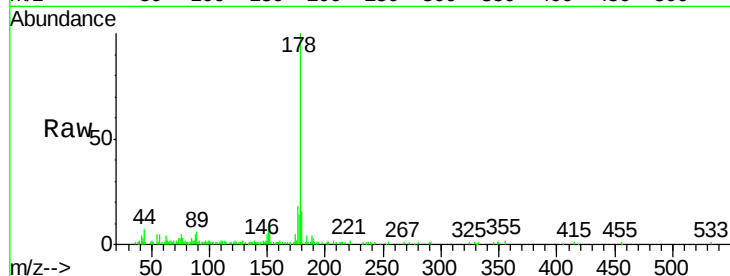
Tgt Ion:178 Resp: 58808

Ion Ratio Lower Upper

178 100

176 17.8 17.7 26.5

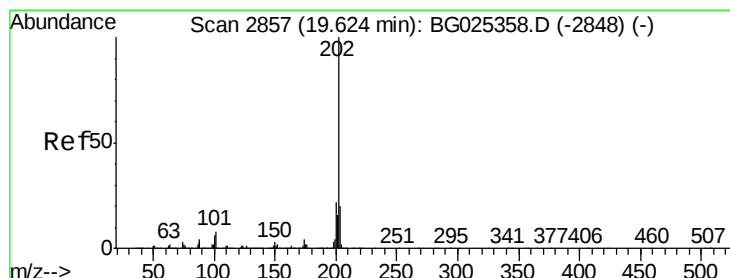
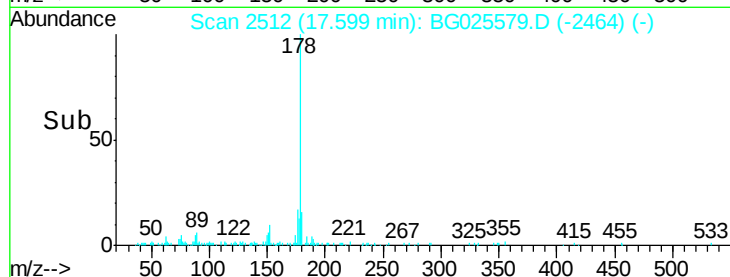
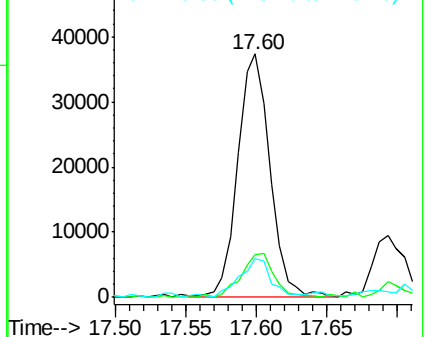
179 15.7 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.59 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

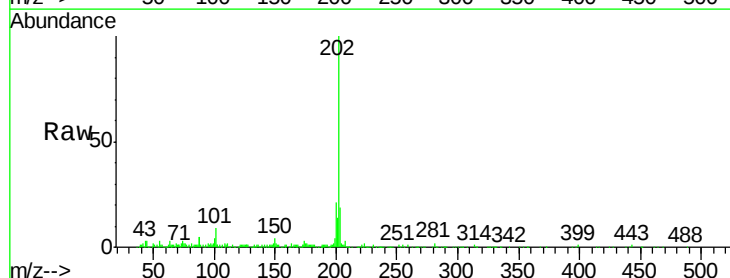
Tgt Ion:202 Resp: 139142

Ion Ratio Lower Upper

202 100

101 8.7 0.0 30.1

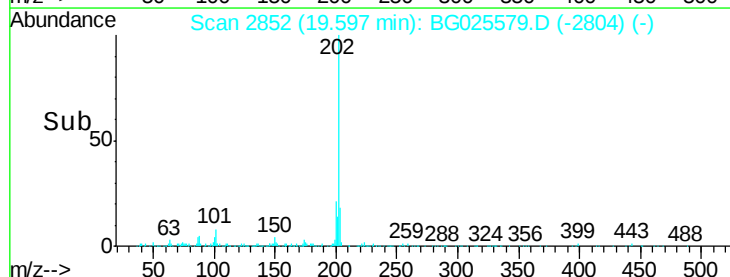
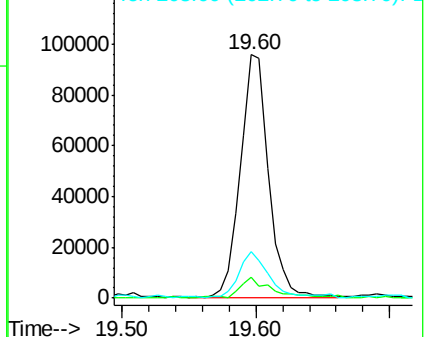
203 19.3 1.3 41.3

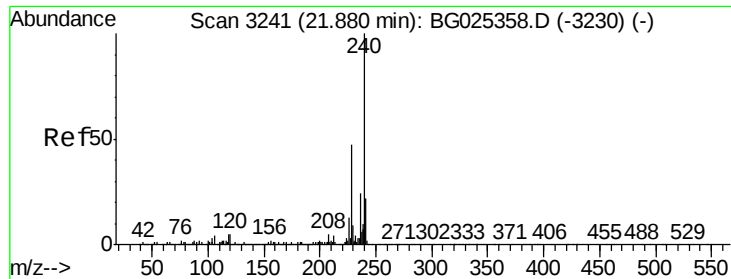


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

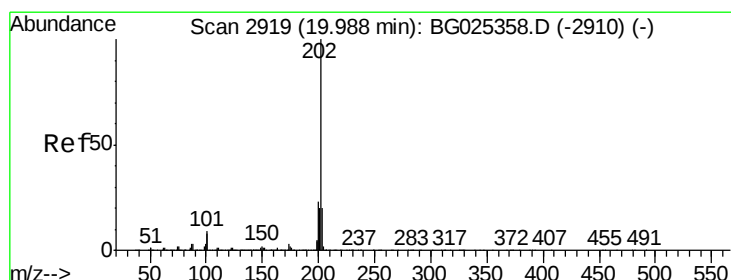
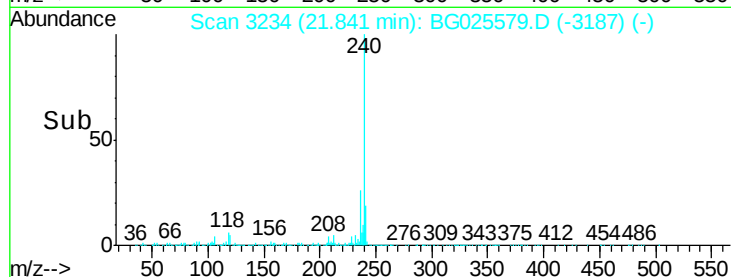
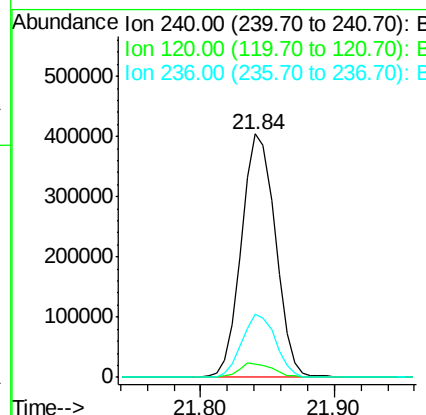
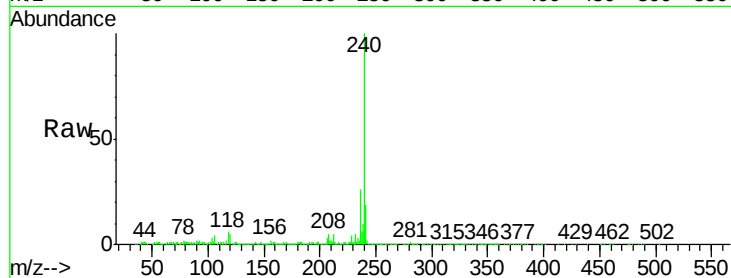




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3234
Delta R.T. -0.02 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

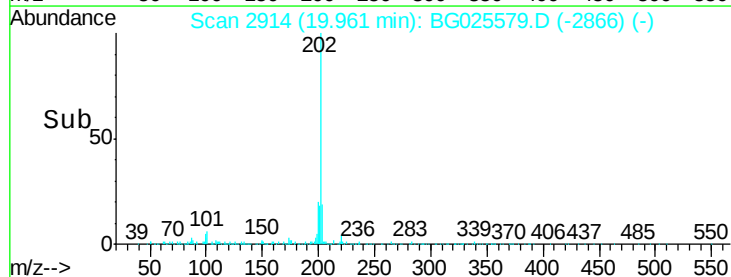
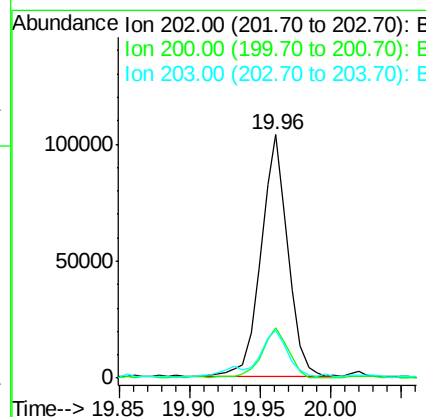
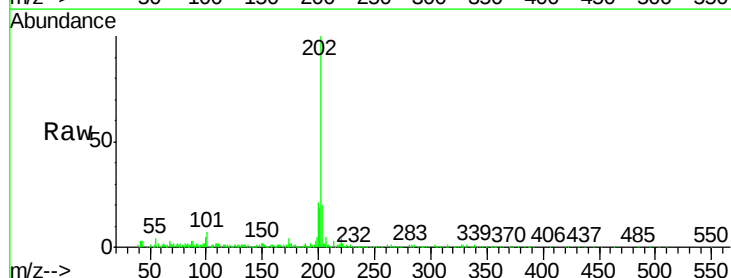
Instrument :
BNA_G
ClientSampleId :
S6-0-3FT-COMP

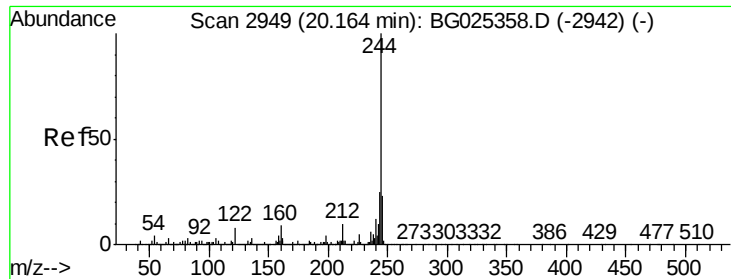
Tgt Ion:240 Resp: 714558
Ion Ratio Lower Upper
240 100
120 5.4 5.7 8.5#
236 25.8 22.2 33.4



#77
Pyrene
Concen: 3.73 ng
RT: 19.96 min Scan# 2914
Delta R.T. -0.02 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

Tgt Ion:202 Resp: 139365
Ion Ratio Lower Upper
202 100
200 20.7 19.6 29.4
203 19.6 15.8 23.8





#78

Terphenyl-d14

Concen: 74.11 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

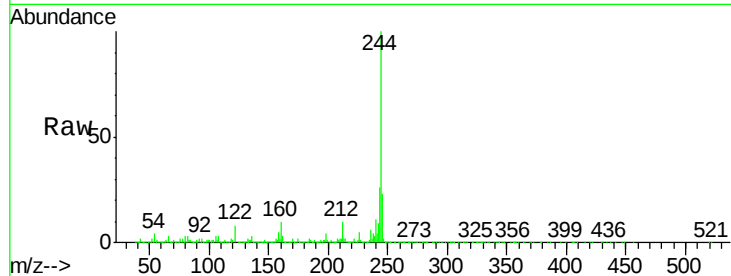
Tgt Ion:244 Resp: 1997308

Ion Ratio Lower Upper

244 100

212 10.1 10.0 15.0

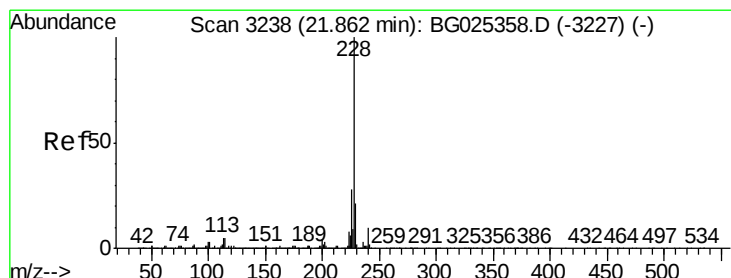
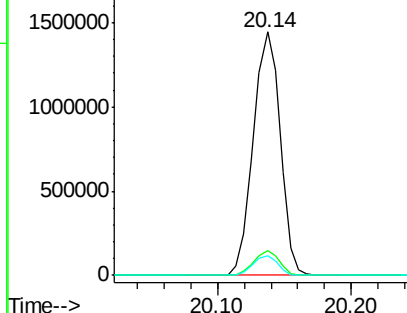
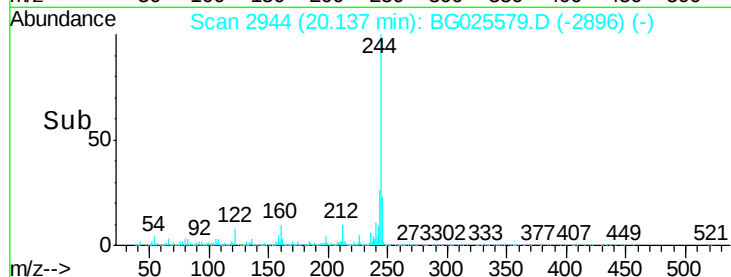
122 8.1 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 2.34 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

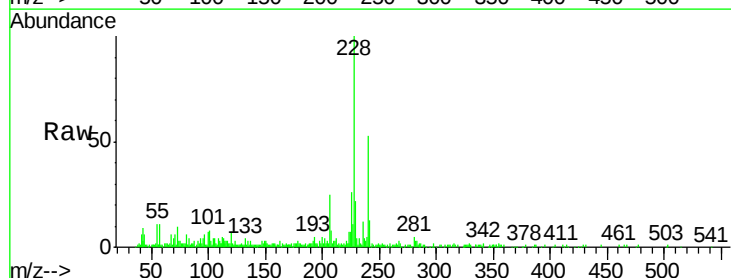
Tgt Ion:228 Resp: 93315

Ion Ratio Lower Upper

228 100

226 26.0 24.9 37.3

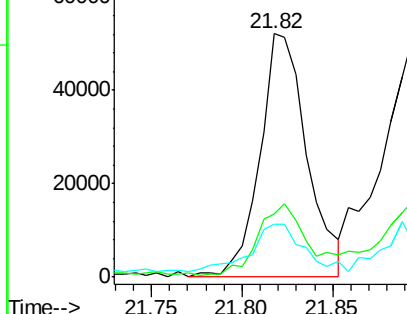
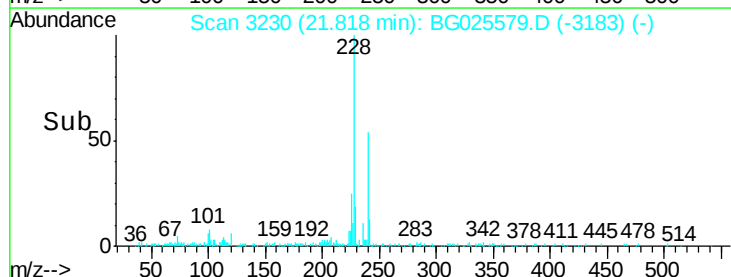
229 21.6 18.2 27.2

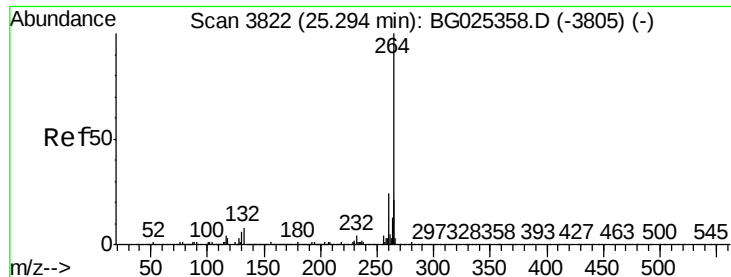


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



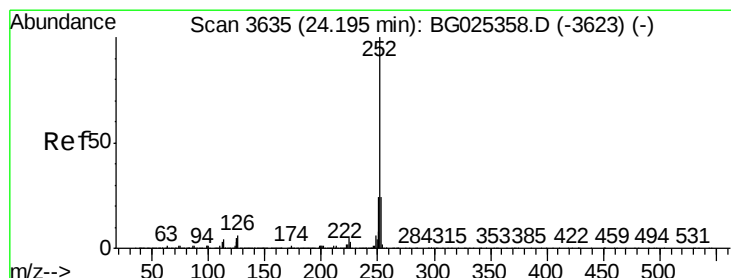
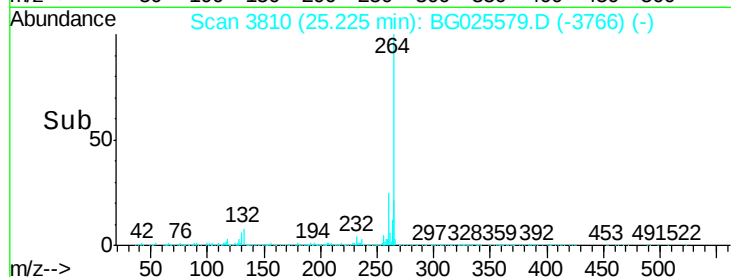
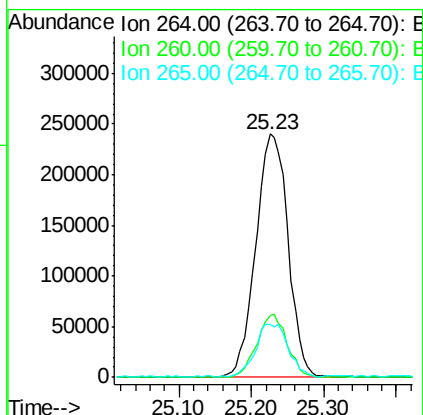
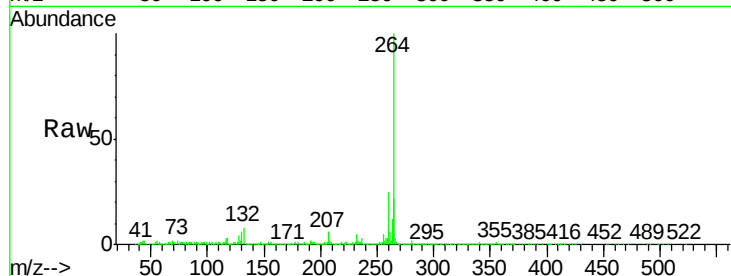


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.23 min Scan# 3810
Delta R.T. -0.04 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

Instrument :
BNA_G
ClientSampleId :
S6-0-3FT-COMP

Tgt Ion: 264 Resp: 738753

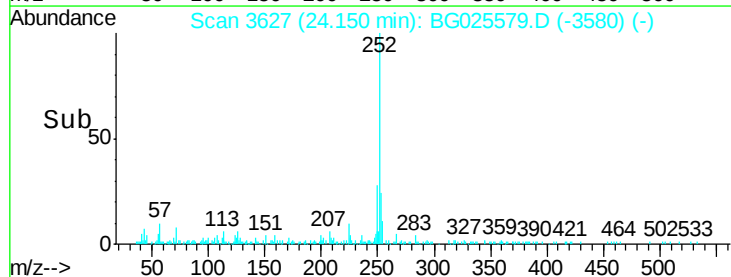
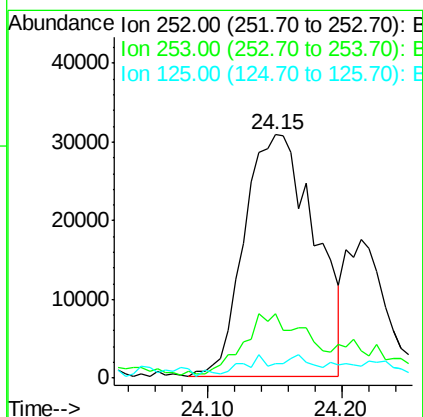
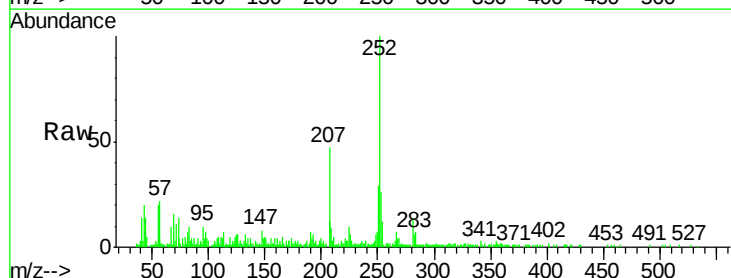
Ion	Ratio	Lower	Upper
264	100		
260	25.4	21.8	32.8
265	21.5	18.2	27.4

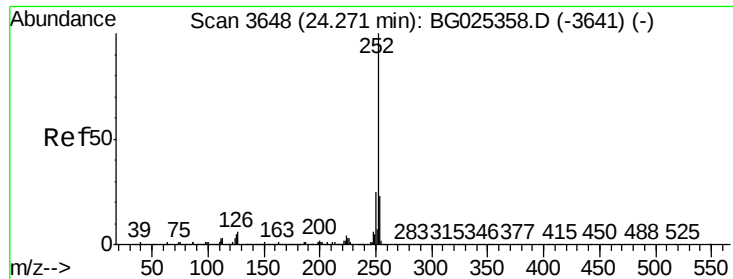


#87
Benzo(b)fluoranthene
Concen: 2.78 ng
RT: 24.15 min Scan# 3627
Delta R.T. -0.02 min
Lab File: BG025579.D
Acq: 21 Jan 2017 18:45

Tgt Ion: 252 Resp: 112057

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.7	28.1
125	6.2	5.3	7.9





#88

Benzo(k)fluoranthene

Concen: 2.88 ng

RT: 24.15 min Scan# 3627

Delta R.T. -0.09 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

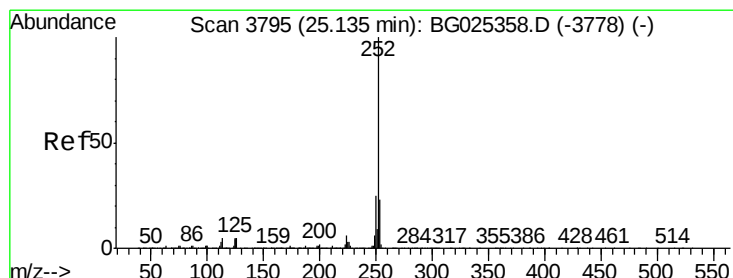
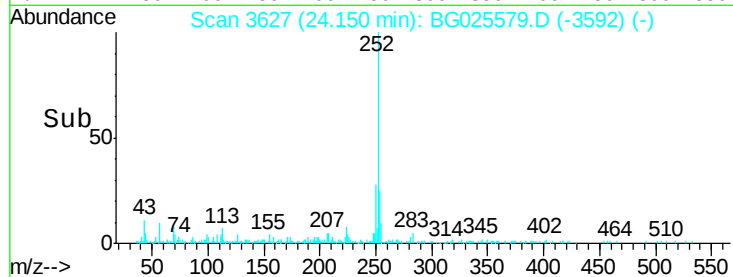
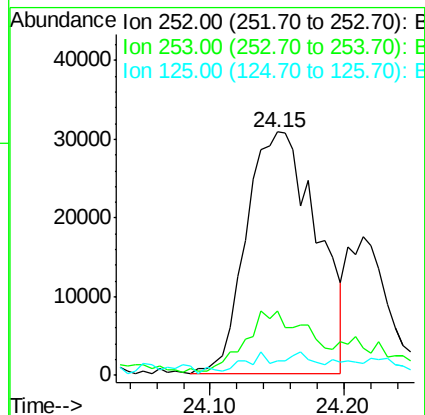
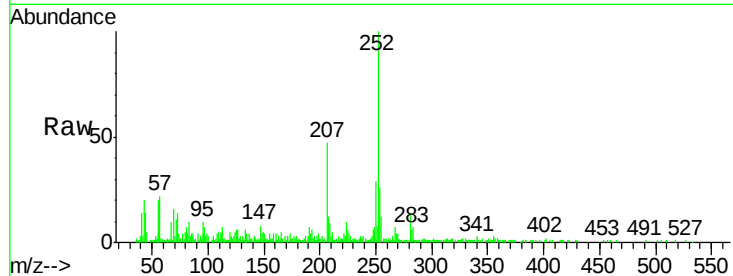
Instrument :

BNA_G

ClientSampleId :

S6-0-3FT-COMP

Tgt Ion:	252	Resp:	112057
Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.2	30.2
125	6.2	5.1	7.7



#89

Benzo(a)pyrene

Concen: 2.10 ng

RT: 25.07 min Scan# 3784

Delta R.T. -0.03 min

Lab File: BG025579.D

Acq: 21 Jan 2017 18:45

Tgt Ion:	252	Resp:	81715
Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.2	28.8
125	6.4	5.4	8.0

