

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012117\
 Data File : BG025578.D
 Acq On : 21 Jan 2017 18:05
 Operator : UM/SJ
 Sample : I1329-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-0-3FT-COMP

Quant Time: Jan 23 00:58:57 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

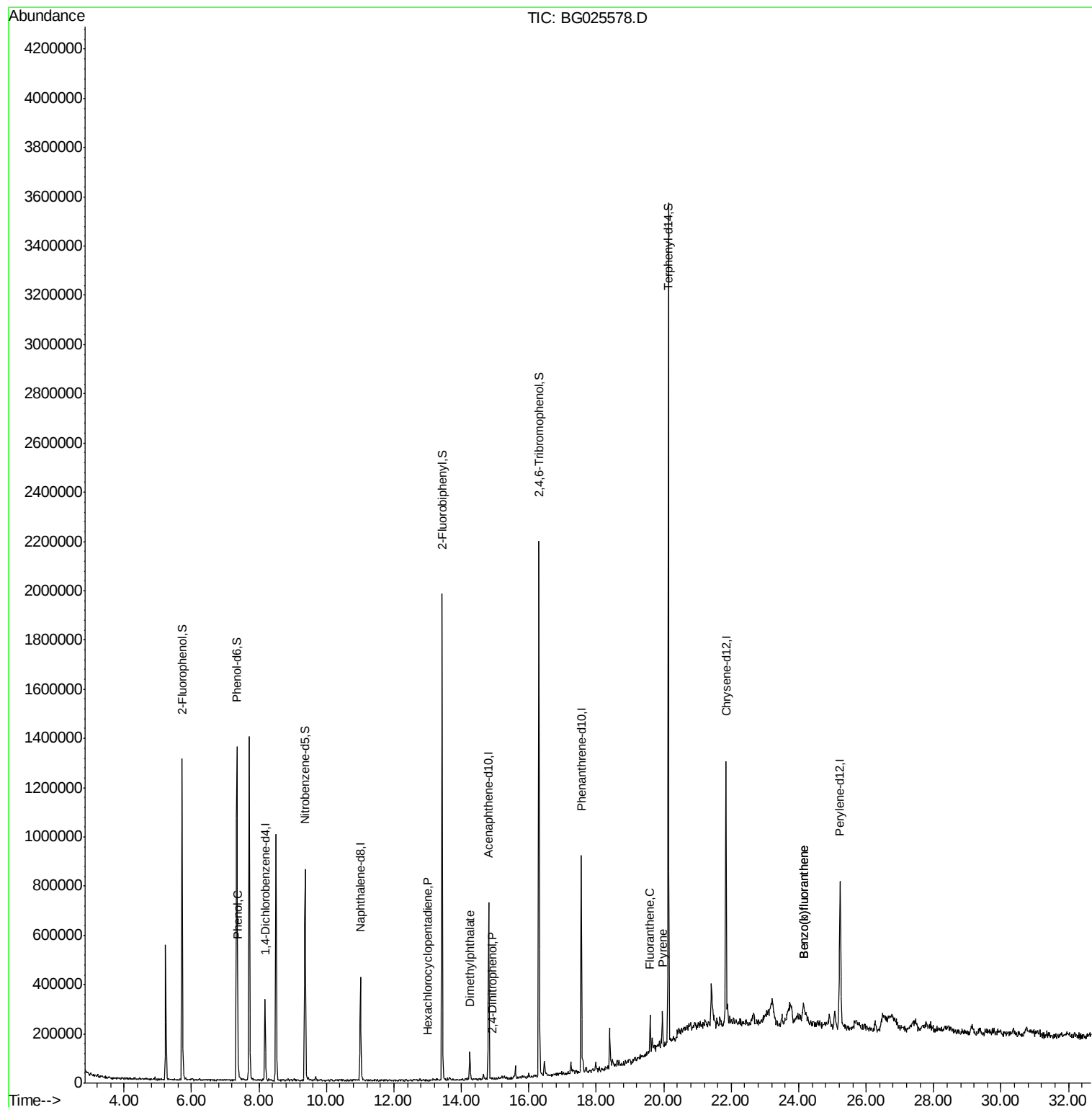
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	80800	20.00	ng	-0.02
21) Naphthalene-d8	11.00	136	351073	20.00	ng	-0.02
38) Acenaphthene-d10	14.81	164	254928	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	553265	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	673379	20.00	ng	-0.02
86) Perylene-d12	25.23	264	728758	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	520576	117.11	ng	-0.02
7) Phenol-d6	7.34	99	740622	118.30	ng	-0.02
23) Nitrobenzene-d5	9.36	82	568341	71.52	ng	-0.02
41) 2,4,6-Tribromophenol	16.30	330	414647	101.03	ng	-0.02
44) 2-Fluorobiphenyl	13.43	172	1008762	64.06	ng	-0.02
78) Terphenyl-d14	20.13	244	1503623	59.21	ng	-0.02
Target Compounds						
10) Phenol	7.37	94	35799	5.16	ng	Qvalue 97
40) Hexachlorocyclopentadiene	12.99	237	144	8.55	ng	# 29
49) Dimethylphthalate	14.25	163	76317	4.11	ng	# 93
53) 2,4-Dinitrophenol	14.92	184	54	5.10	ng	# 15
74) Fluoranthene	19.59	202	101754	2.70	ng	92
77) Pyrene	19.96	202	99902	2.84	ng	# 89
87) Benzo(b)fluoranthene	24.14	252	100088	2.52	ng	98
88) Benzo(k)fluoranthene	24.14	252	100088	2.61	ng	99

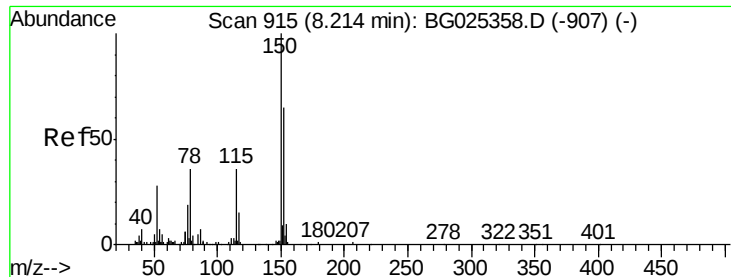
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

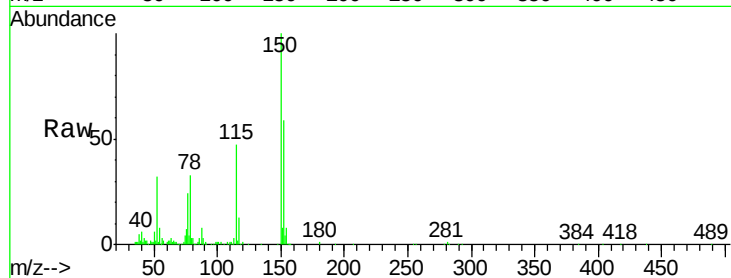
Tgt Ion:152 Resp: 80800

Ion Ratio Lower Upper

152 100

150 169.6 114.0 171.0

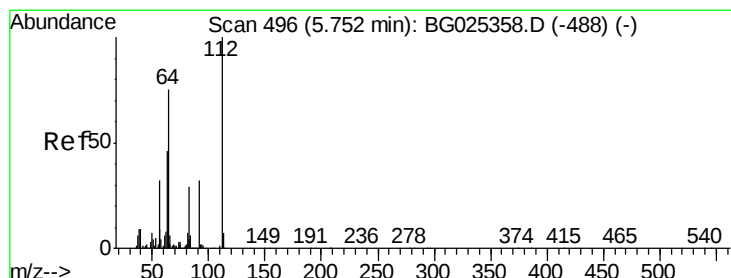
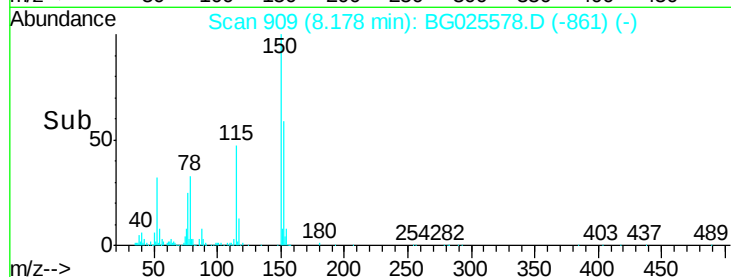
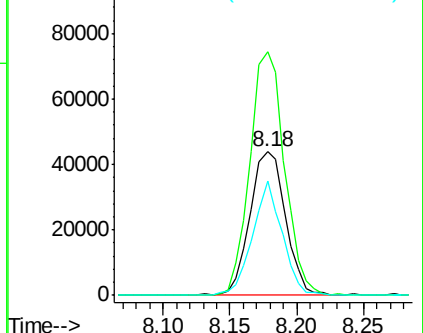
115 79.2 48.1 72.1#



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: 117.11 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

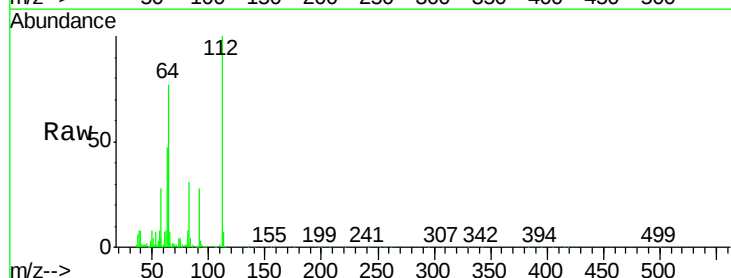
Tgt Ion:112 Resp: 520576

Ion Ratio Lower Upper

112 100

64 76.9 61.8 92.6

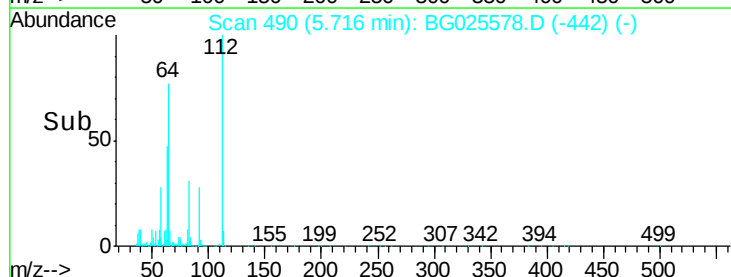
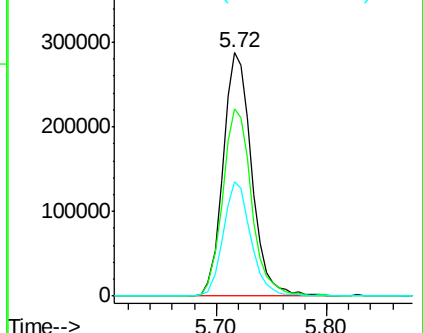
63 47.0 37.2 55.8

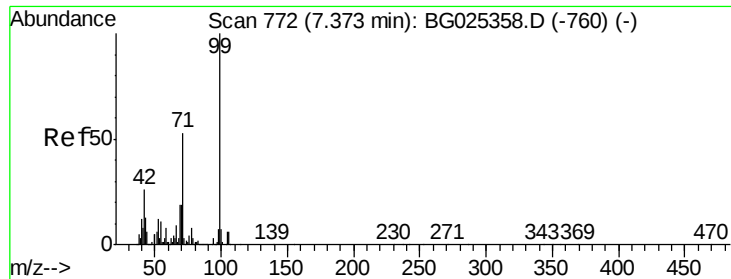


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.30 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

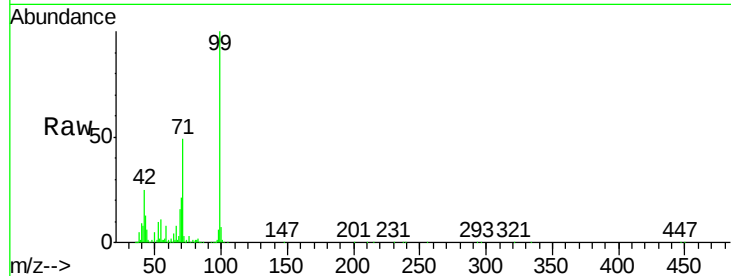
Tgt Ion: 99 Resp: 740622

Ion Ratio Lower Upper

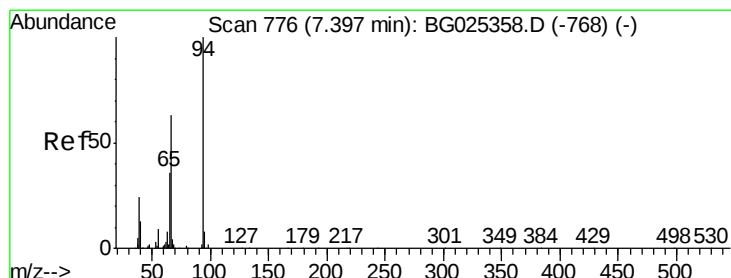
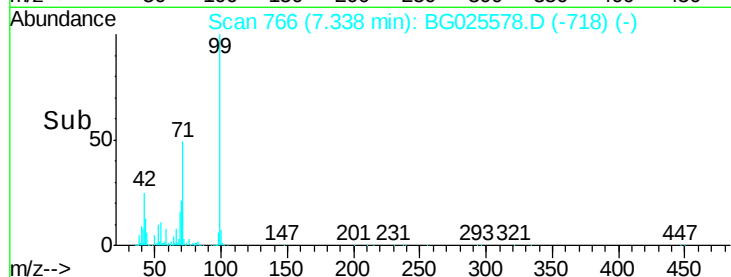
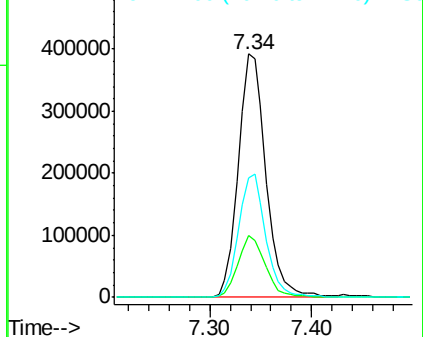
99 100

42 25.2 20.5 30.7

71 49.2 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: 5.16 ng

RT: 7.37 min Scan# 771

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

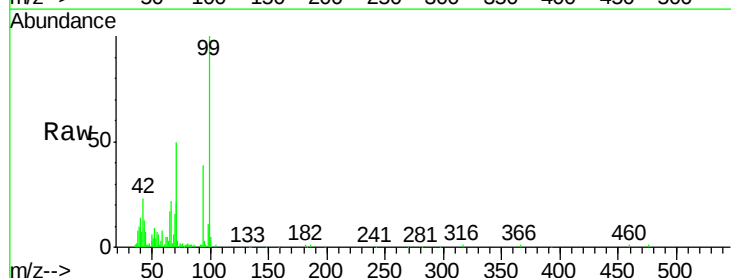
Tgt Ion: 94 Resp: 35799

Ion Ratio Lower Upper

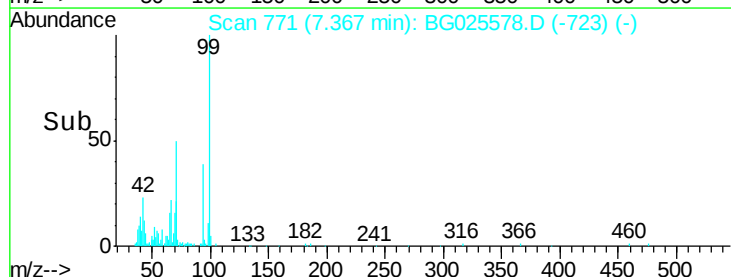
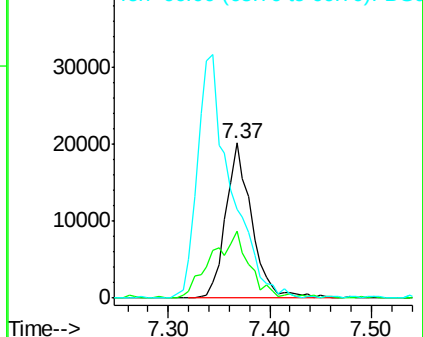
94 100

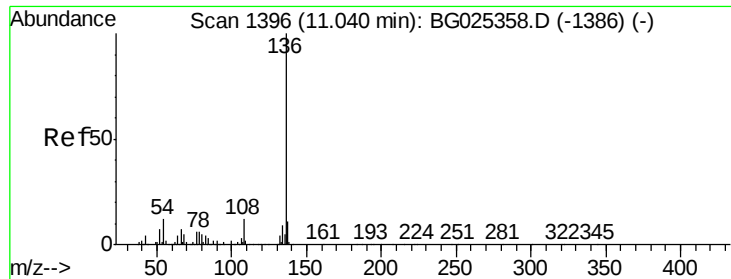
65 42.9 20.6 60.6

66 57.1 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

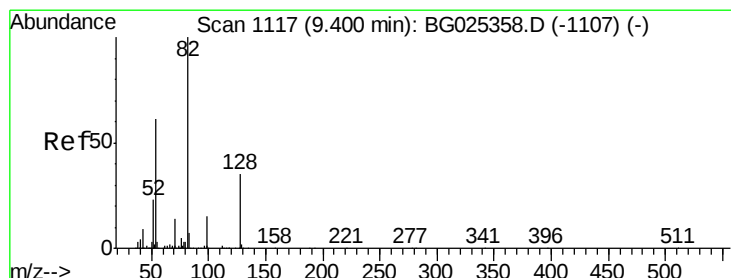
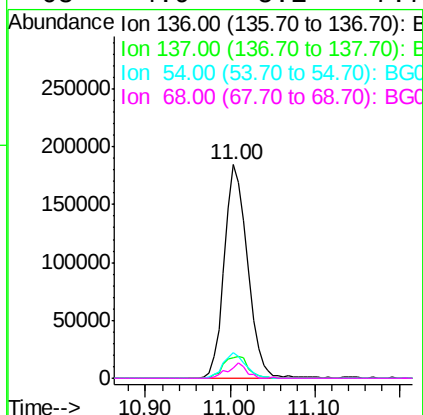
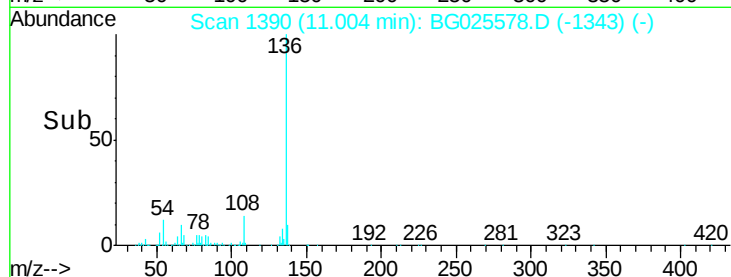
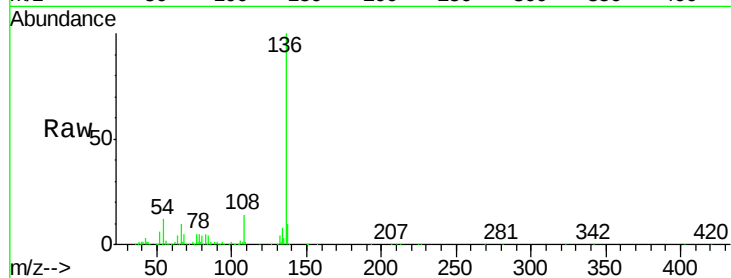




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BG025578.D
Acq: 21 Jan 2017 18:05

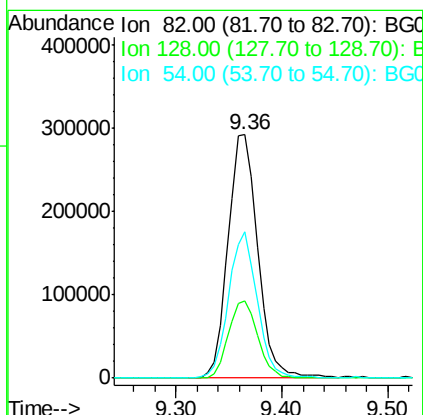
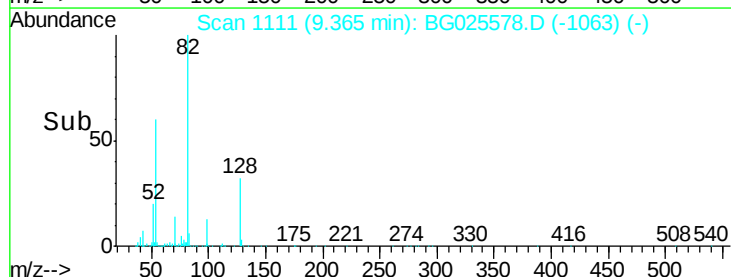
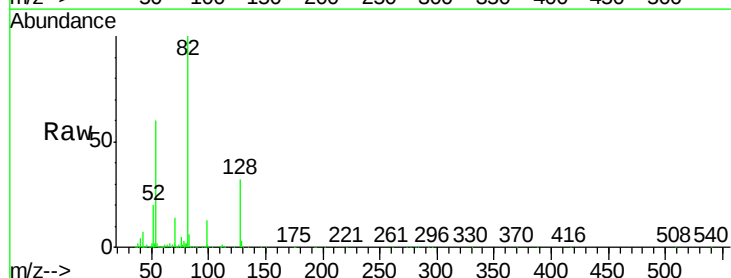
Instrument :
BNA_G
ClientSampleId :
S5-0-3FT-COMP

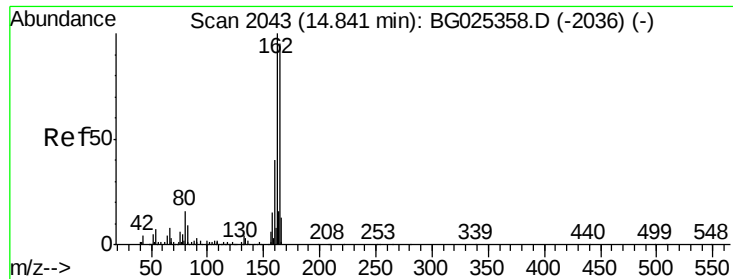
Tgt Ion:	136	Resp:	351073
Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.9	13.3
54	12.1	9.3	13.9
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 71.52 ng
RT: 9.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: BG025578.D
Acq: 21 Jan 2017 18:05

Tgt Ion:	82	Resp:	568341
Ion	Ratio	Lower	Upper
82	100		
128	31.7	26.4	39.6
54	60.2	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: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

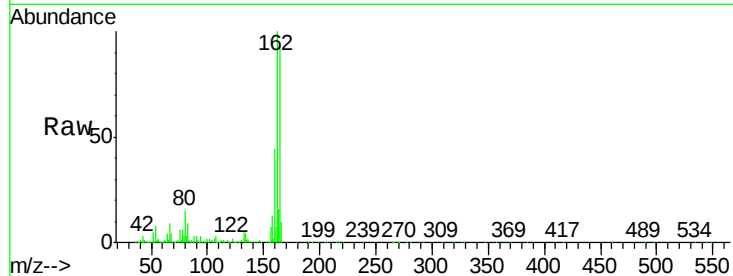
Tgt Ion:164 Resp: 254928

Ion Ratio Lower Upper

164 100

162 107.6 85.1 127.7

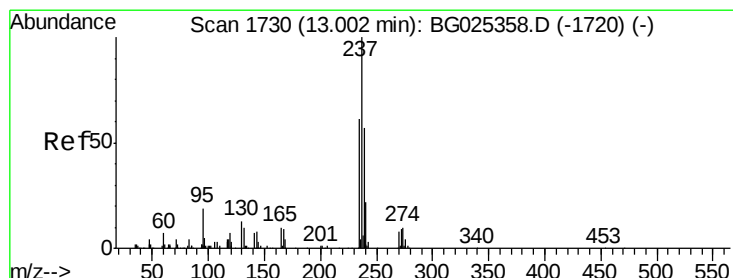
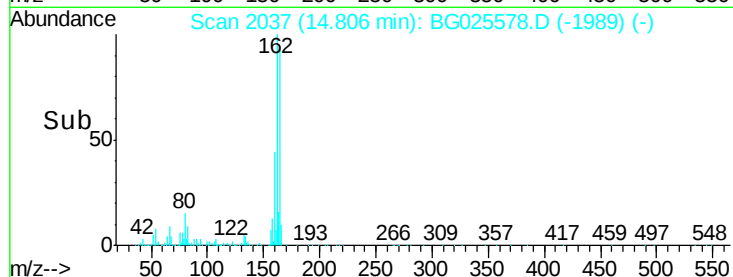
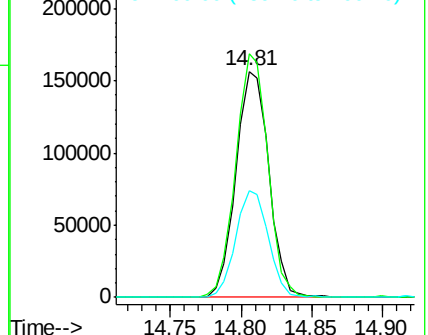
160 47.3 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 8.55 ng

RT: 12.99 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

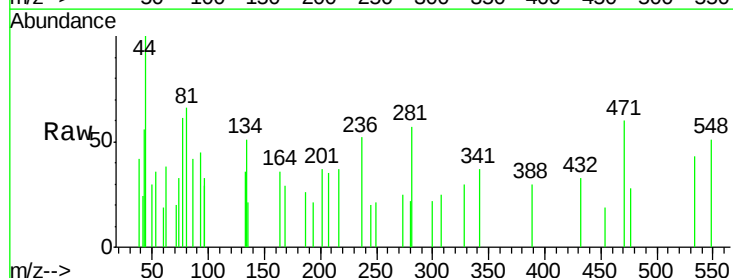
Tgt Ion:237 Resp: 144

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

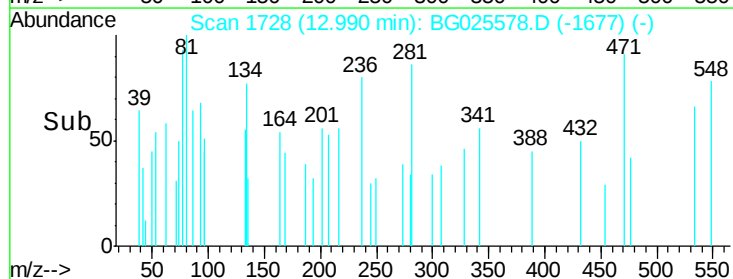
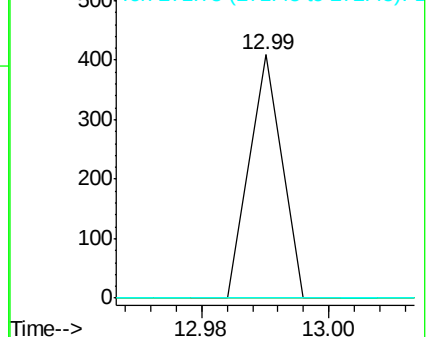
272 0.0 0.0 32.0

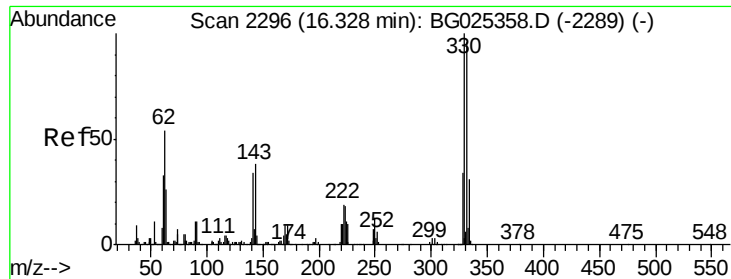


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

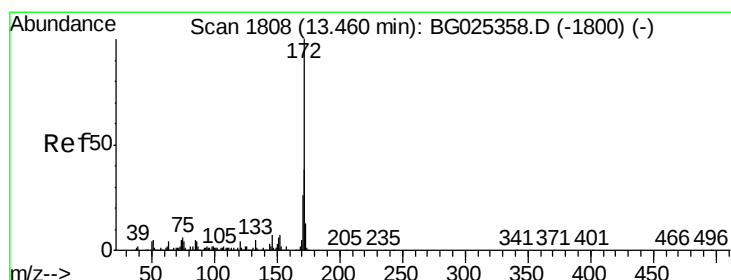
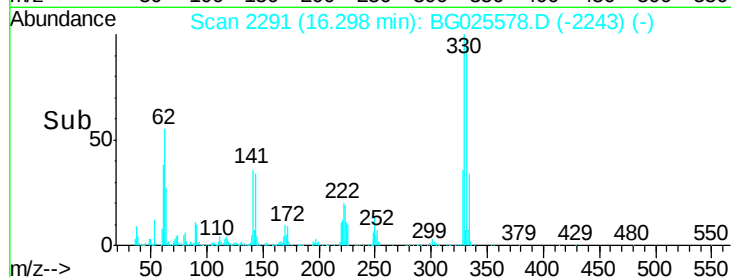
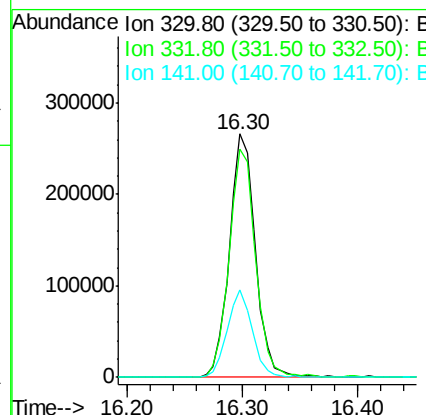
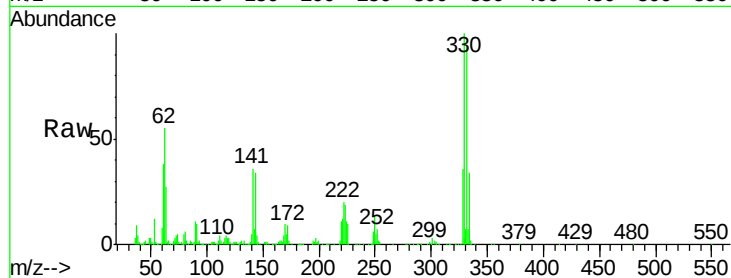




#41
 2,4,6-Tribromophenol
 Concen: 101.03 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.02 min
 Lab File: BG025578.D
 Acq: 21 Jan 2017 18:05

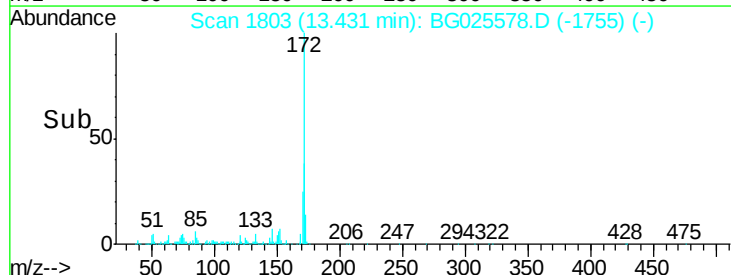
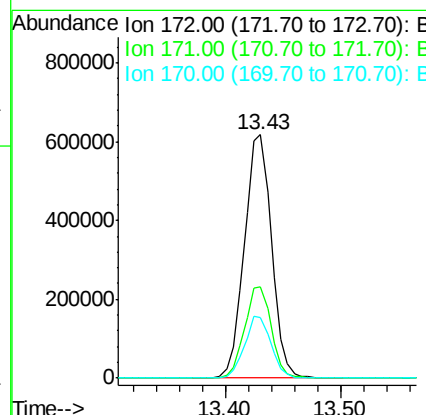
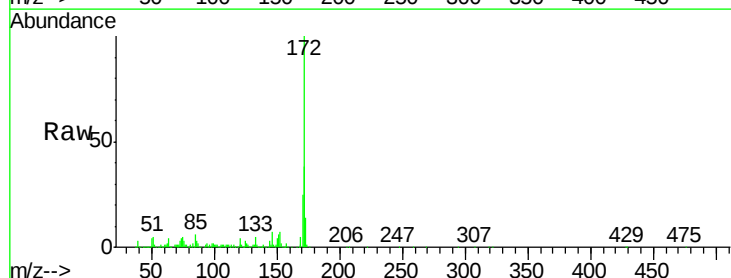
Instrument :
 BNA_G
 ClientSampleId :
 S5-0-3FT-COMP

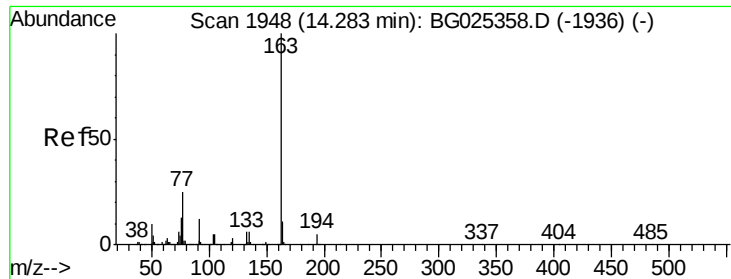
Tgt Ion:330 Resp: 414647
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.3 115.9
 141 34.7 32.1 48.1



#44
 2-Fluorobiphenyl
 Concen: 64.06 ng
 RT: 13.43 min Scan# 1803
 Delta R.T. -0.02 min
 Lab File: BG025578.D
 Acq: 21 Jan 2017 18:05

Tgt Ion:172 Resp: 1008762
 Ion Ratio Lower Upper
 172 100
 171 37.5 32.2 48.2
 170 25.0 21.8 32.6





#49

Dimethylphthalate

Concen: 4.11 ng

RT: 14.25 min Scan# 1943

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

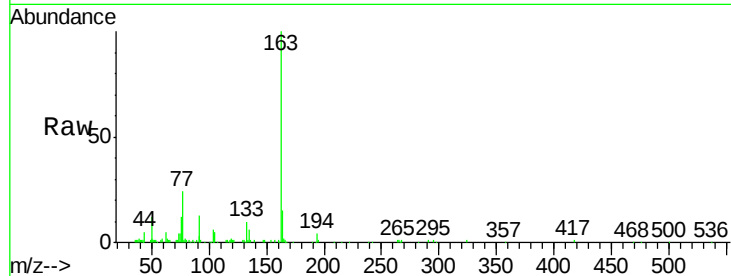
Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

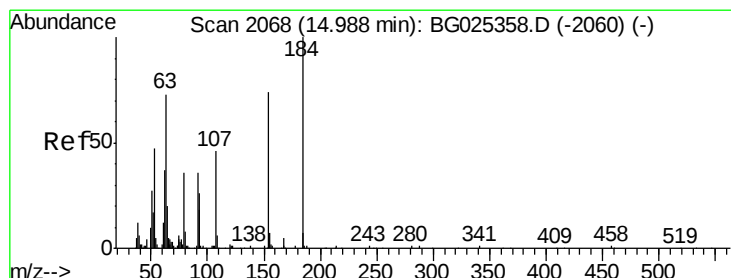
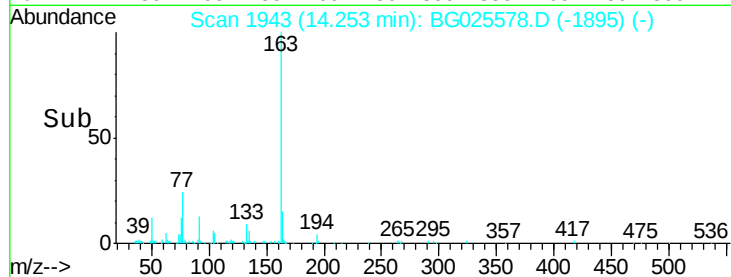
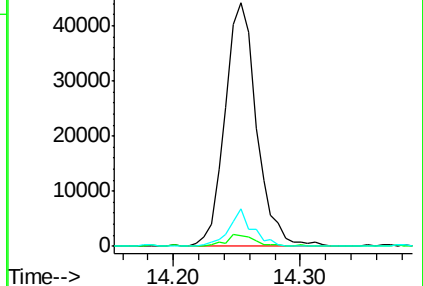
Tgt Ion:	163	Resp:	76317
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.8	5.6
164	15.4	9.3	13.9#



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: 5.10 ng

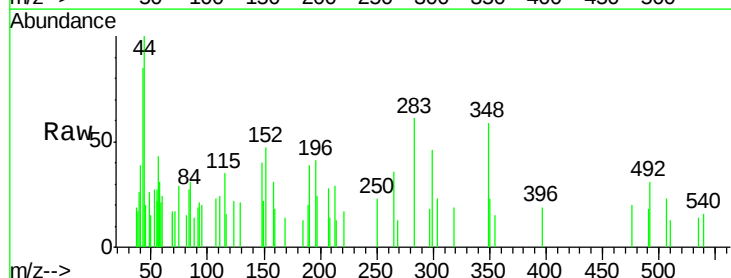
RT: 14.92 min Scan# 2057

Delta R.T. -0.05 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

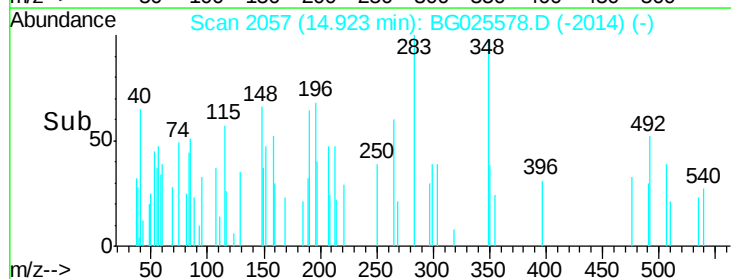
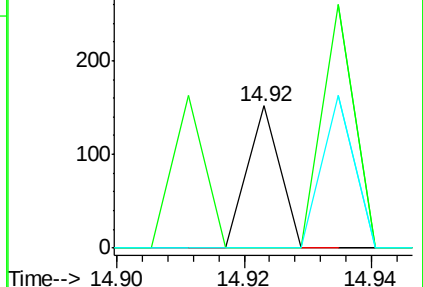
Tgt Ion:	184	Resp:	54
Ion Ratio	Lower	Upper	
184	100		
63	0.0	52.7	79.1#
154	0.0	57.3	85.9#

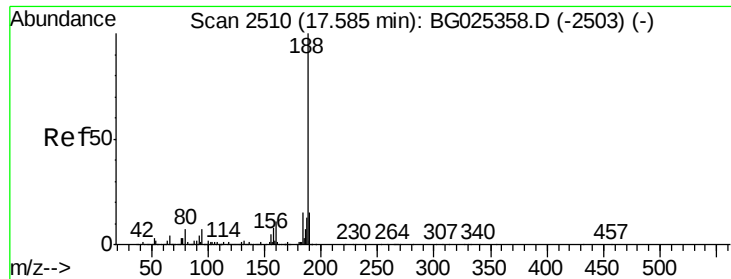


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

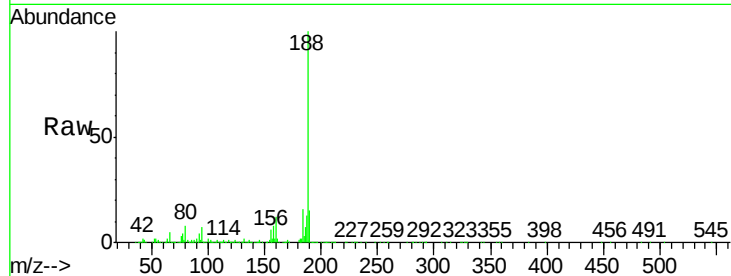
Tgt Ion:188 Resp: 553265

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.8

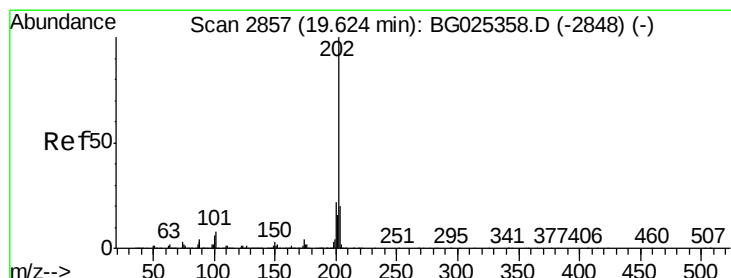
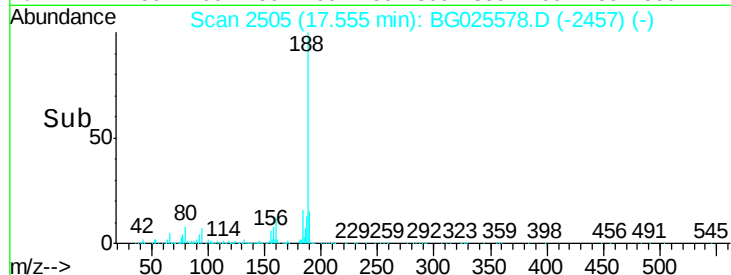
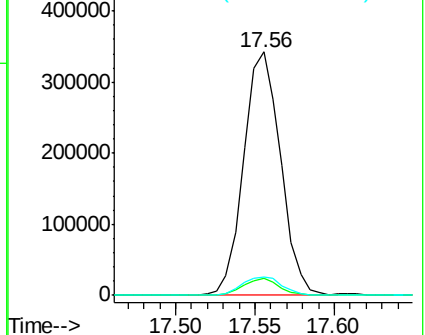
80 7.5 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#74

Fluoranthene

Concen: 2.70 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

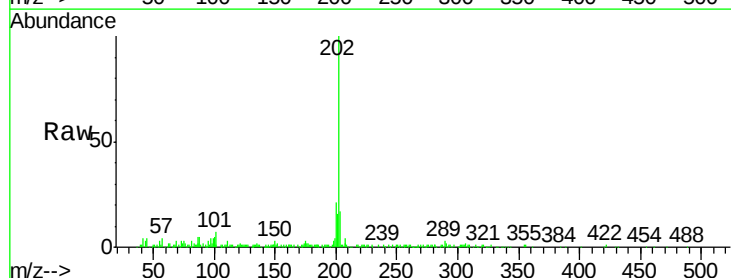
Tgt Ion:202 Resp: 101754

Ion Ratio Lower Upper

202 100

101 6.9 0.0 30.1

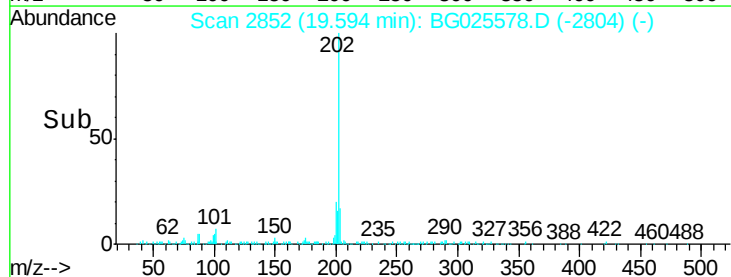
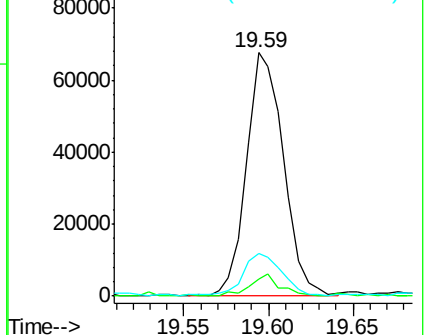
203 17.3 1.3 41.3

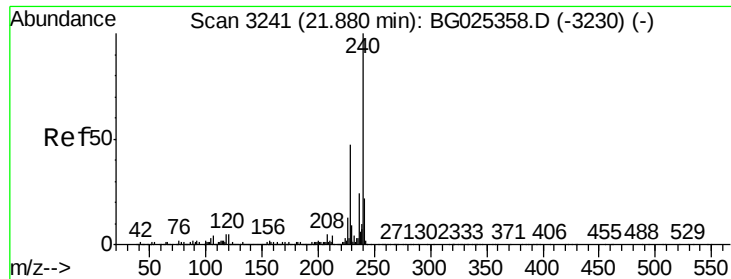


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3235

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :

BNA_G

ClientSampleId :

S5-0-3FT-COMP

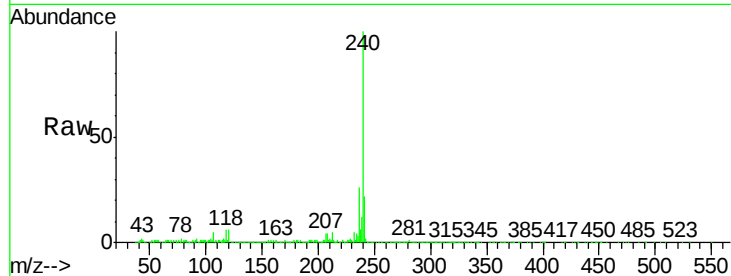
Tgt Ion:240 Resp: 673379

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

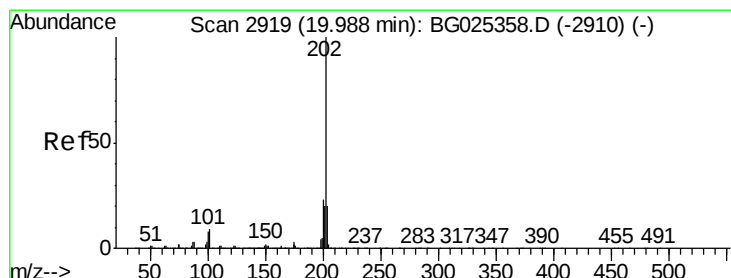
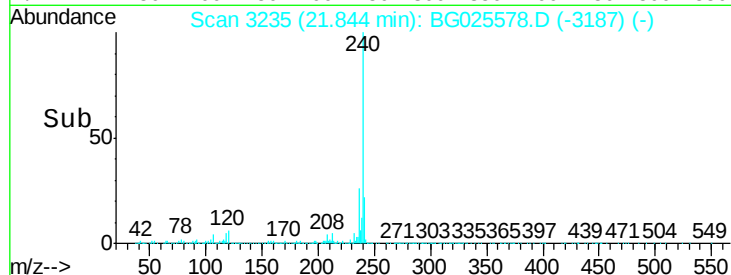
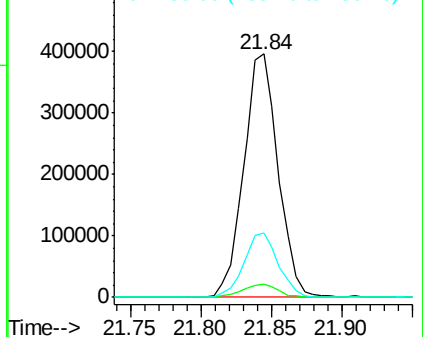
236 26.3 22.2 33.4



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



#77

Pyrene

Concen: 2.84 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.02 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

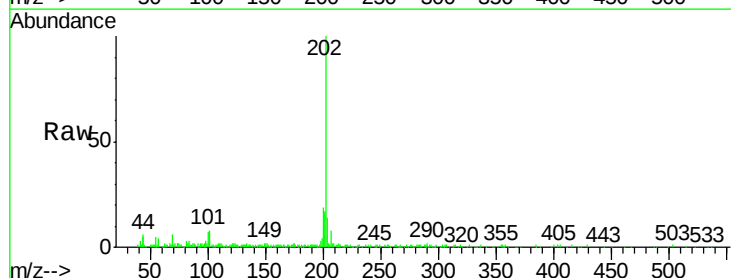
Tgt Ion:202 Resp: 99902

Ion Ratio Lower Upper

202 100

200 19.4 19.6 29.4#

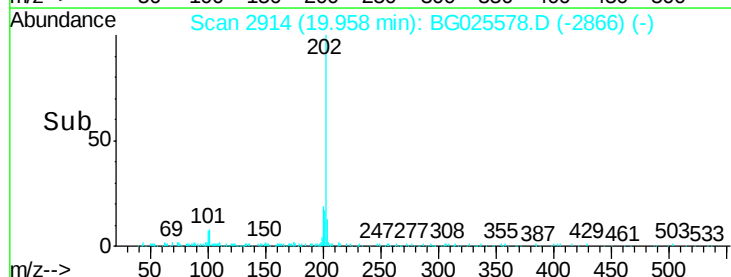
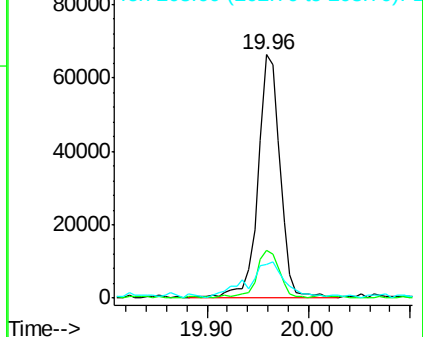
203 13.9 15.8 23.8#

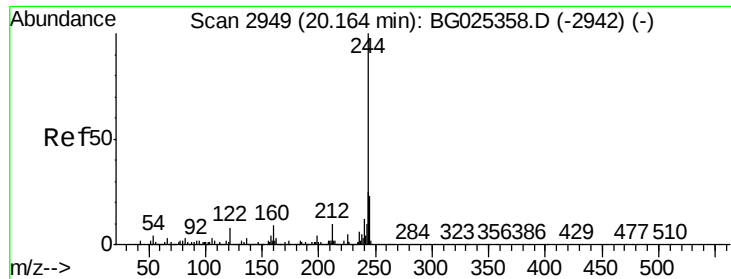


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

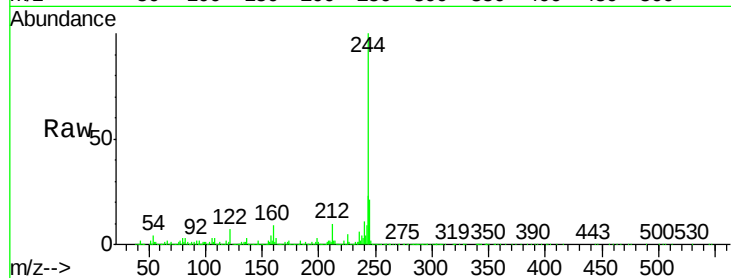




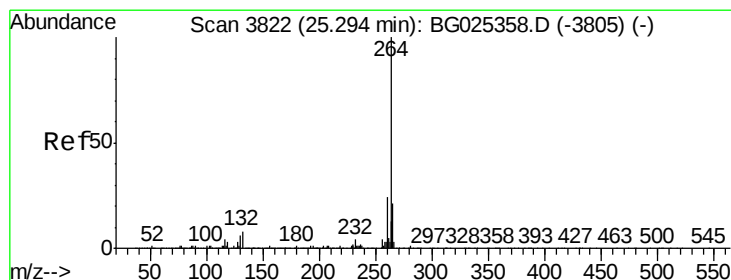
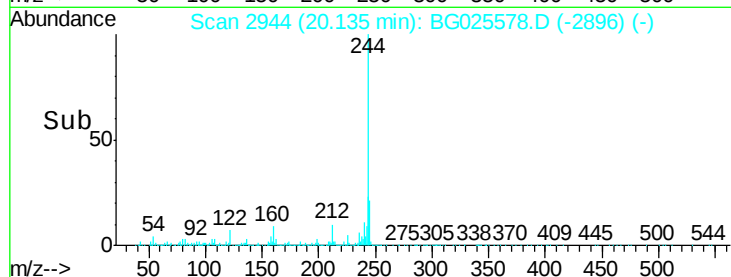
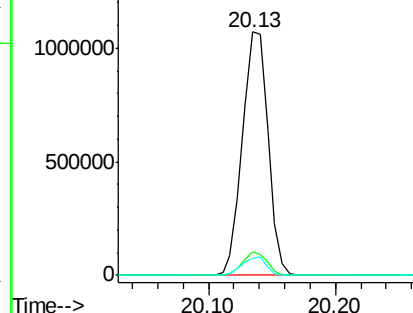
#78
 Terphenyl-d14
 Concen: 59.21 ng
 RT: 20.13 min Scan# 2944
 Delta R.T. -0.02 min
 Lab File: BG025578.D
 Acq: 21 Jan 2017 18:05

Instrument :
 BNA_G
 ClientSampleId :
 S5-0-3FT-COMP

Tgt Ion:244 Resp: 1503623
 Ion Ratio Lower Upper
 244 100
 212 9.8 10.0 15.0#
 122 7.2 8.6 12.8#

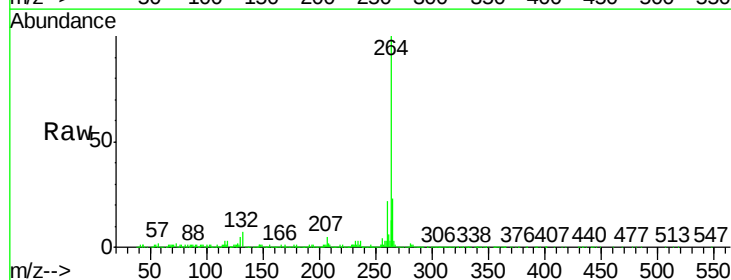


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

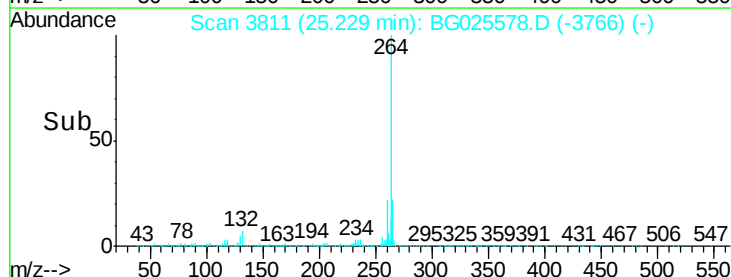
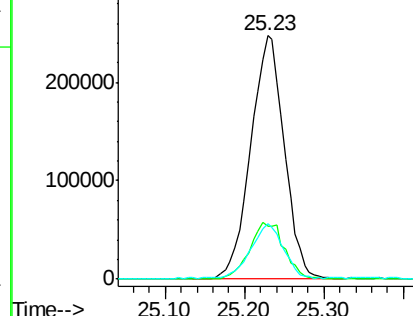


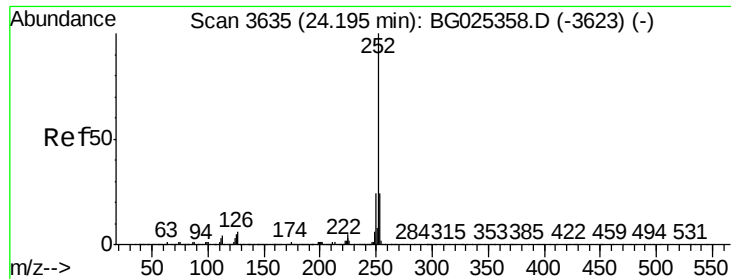
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.23 min Scan# 3811
 Delta R.T. -0.04 min
 Lab File: BG025578.D
 Acq: 21 Jan 2017 18:05

Tgt Ion:264 Resp: 728758
 Ion Ratio Lower Upper
 264 100
 260 22.0 21.8 32.8
 265 22.6 18.2 27.4



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





#87

Benzo(b)fluoranthene

Concen: 2.52 ng

RT: 24.14 min Scan# 3626

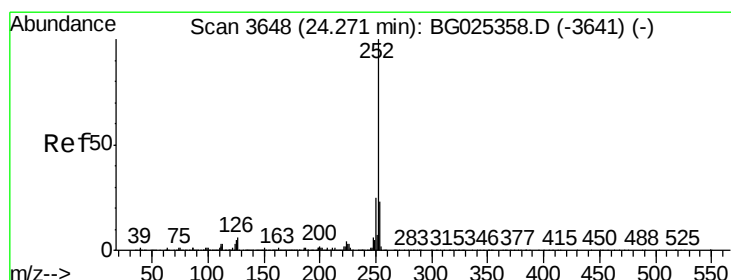
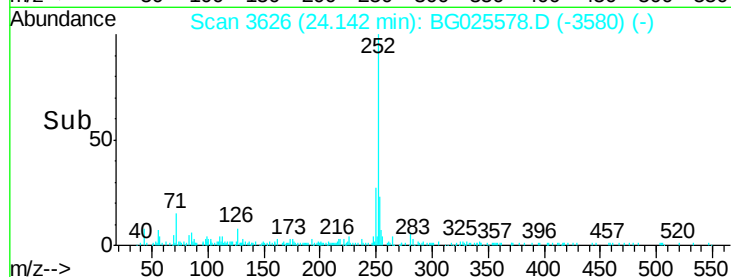
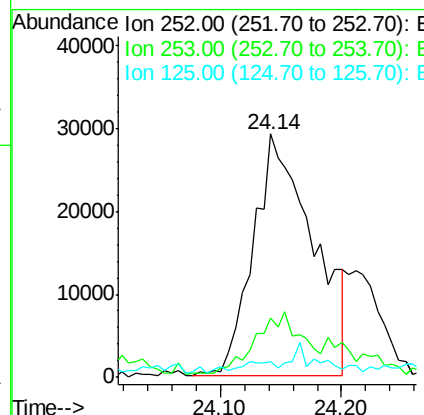
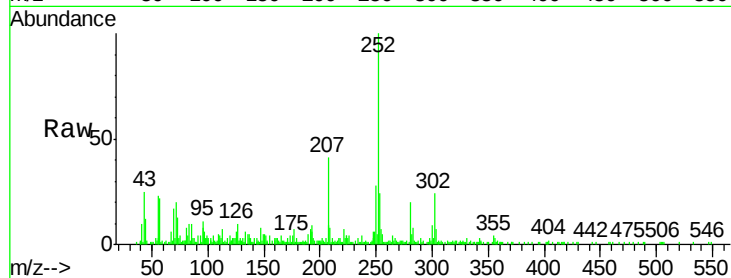
Delta R.T. -0.03 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

Instrument :
BNA_G
ClientSampleId :
S5-0-3FT-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.7	28.1
125	6.5	5.3	7.9



#88

Benzo(k)fluoranthene

Concen: 2.61 ng

RT: 24.14 min Scan# 3626

Delta R.T. -0.10 min

Lab File: BG025578.D

Acq: 21 Jan 2017 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.2	30.2
125	6.5	5.1	7.7

