

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012117\
 Data File : BG025571.D
 Acq On : 21 Jan 2017 13:24
 Operator : UM/SJ
 Sample : I1329-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S2-0-3FT-COMP

Quant Time: Jan 23 00:56:11 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

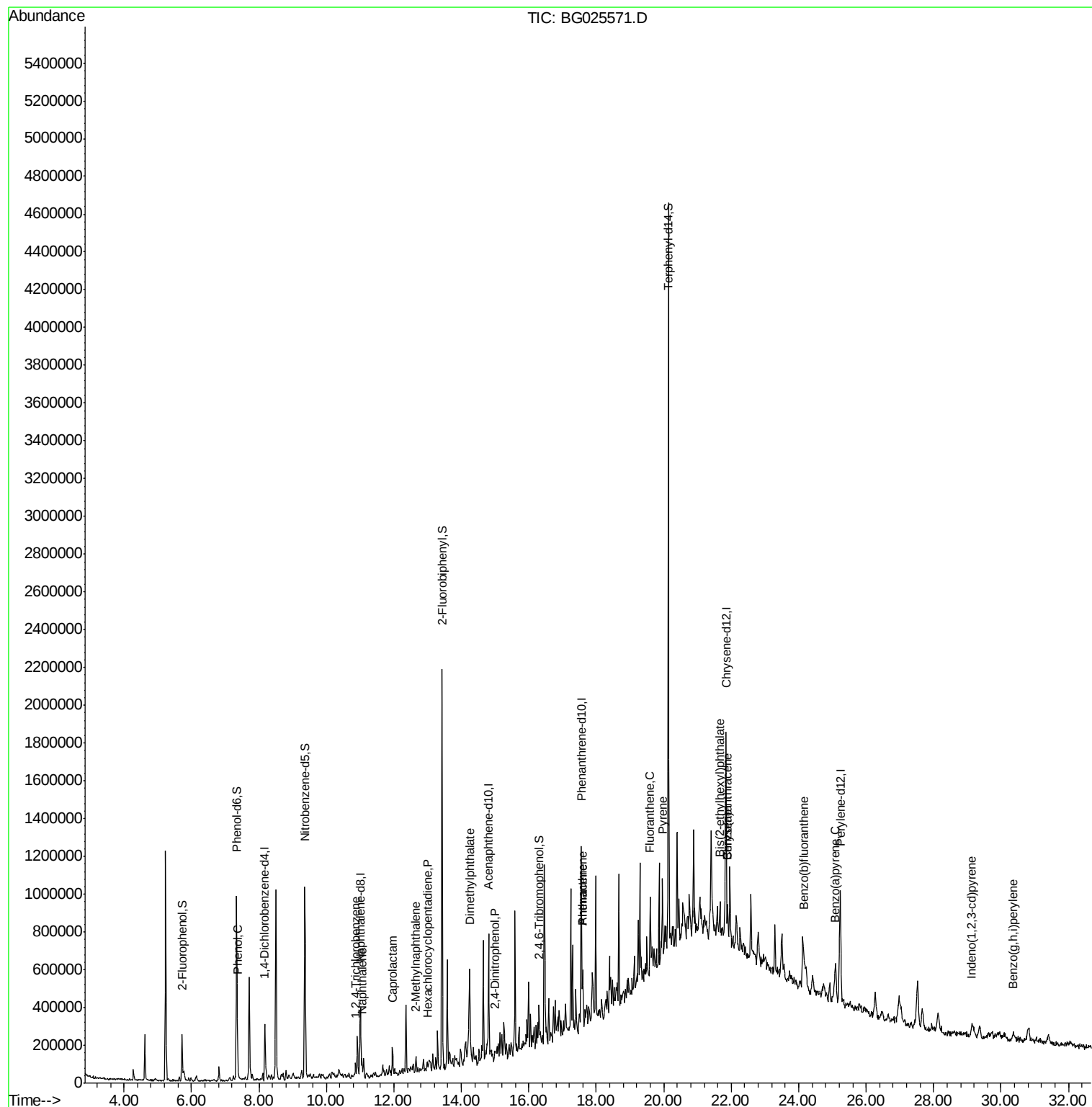
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	71162	20.00	ng	-0.02
21) Naphthalene-d8	11.01	136	301261	20.00	ng	-0.02
38) Acenaphthene-d10	14.81	164	238964	20.00	ng	-0.01
63) Phenanthrene-d10	17.55	188	509162	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	683731	20.00	ng	-0.02
86) Perylene-d12	25.23	264	715521	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	103524	26.44	ng	-0.01
7) Phenol-d6	7.34	99	544232	98.70	ng	-0.01
23) Nitrobenzene-d5	9.36	82	563553	82.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.30	330	40942	10.64	ng	-0.01
44) 2-Fluorobiphenyl	13.43	172	1038260	70.34	ng	-0.02
78) Terphenyl-d14	20.14	244	1685377	65.36	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.37	94	26509	4.34	ng	# 78
30) 1,2,4-Trichlorobenzene	10.87	180	18611	3.06	ng	# 77
31) Naphthalene	11.06	128	53904	3.58	ng	96
35) Caprolactam	11.97	113	4448	2.35	ng	# 58
37) 2-Methylnaphthalene	12.65	142	37532	3.37	ng	98
40) Hexachlorocyclopentadiene	12.98	237	85	8.54	ng	# 29
49) Dimethylphthalate	14.25	163	238223	13.67	ng	99
53) 2,4-Dinitrophenol	14.98	184	87	5.11	ng	# 15
70) Phenanthrene	17.60	178	177191	6.75	ng	93
71) Anthracene	17.60	178	177191	6.65	ng	96
74) Fluoranthene	19.60	202	263327	7.60	ng	95
77) Pyrene	19.96	202	242060	6.77	ng	97
80) Benzo(a)anthracene	21.90	228	162999	4.27	ng	96
82) Chrysene	21.90	228	162999	4.46	ng	97
83) Bis(2-ethylhexyl)phthalate	21.67	149	40285	2.02	ng	# 95
85) Indeno(1,2,3-cd)pyrene	29.13	276	99912	2.15	ng	# 75
87) Benzo(b)fluoranthene	24.16	252	211784	5.42	ng	# 94
89) Benzo(a)pyrene	25.07	252	138703	3.68	ng	# 96
91) Benzo(g,h,i)perylene	30.37	276	95430	2.40	ng	# 86

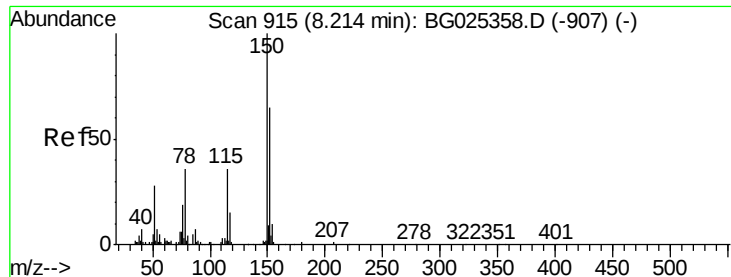
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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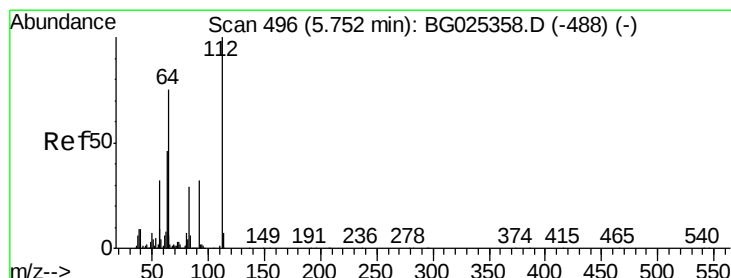
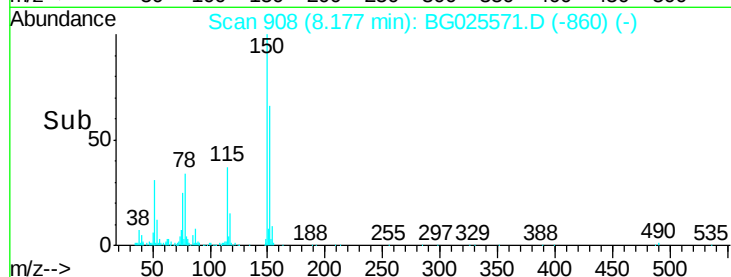
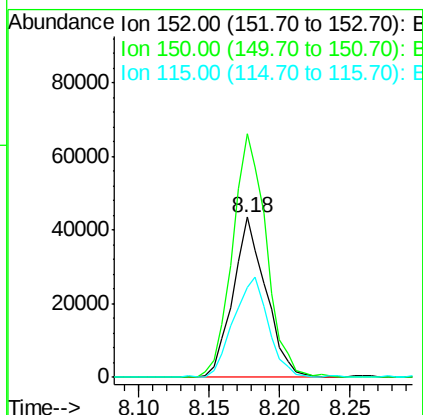
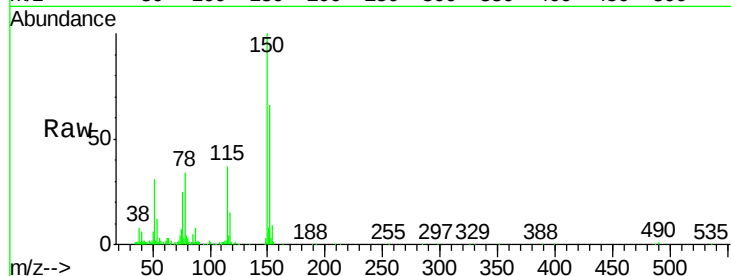


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 908
Delta R.T. -0.02 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Instrument :
BNA_G
ClientSampleId :
S2-0-3FT-COMP

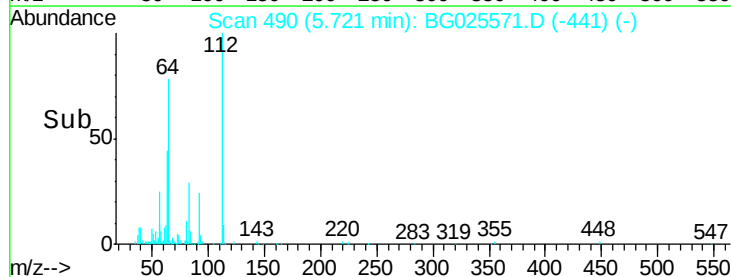
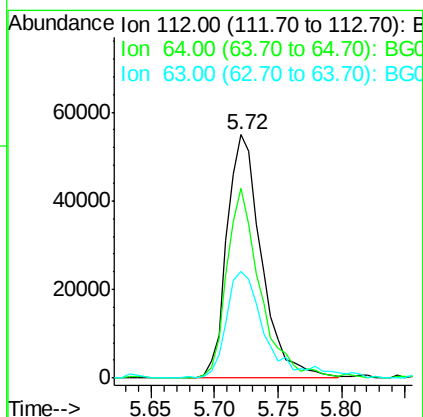
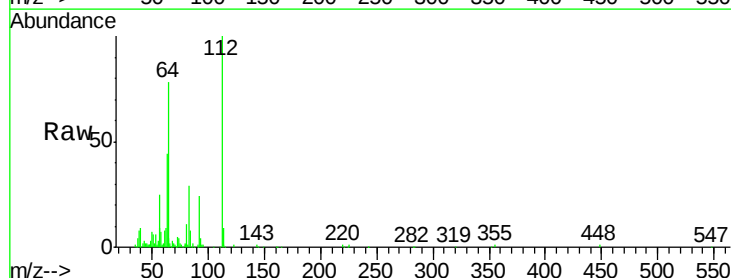
Tgt Ion:152 Resp: 71162
Ion Ratio Lower Upper
152 100
150 152.1 114.0 171.0
115 55.9 48.1 72.1

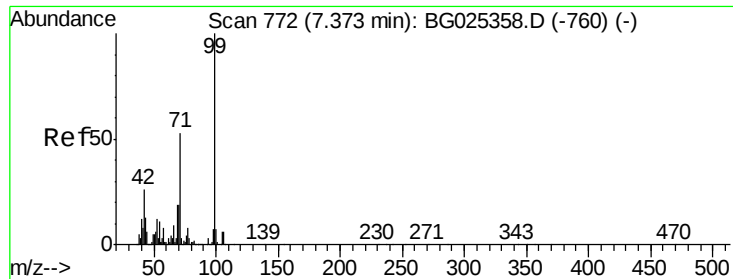


#5

2-Fluorophenol
Concen: 26.44 ng
RT: 5.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Tgt Ion:112 Resp: 103524
Ion Ratio Lower Upper
112 100
64 77.8 61.8 92.6
63 43.9 37.2 55.8





#7

Phenol-d6

Concen: 98.70 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

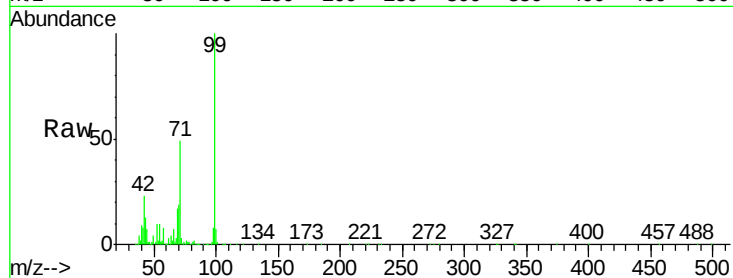
Tgt Ion: 99 Resp: 544232

Ion Ratio Lower Upper

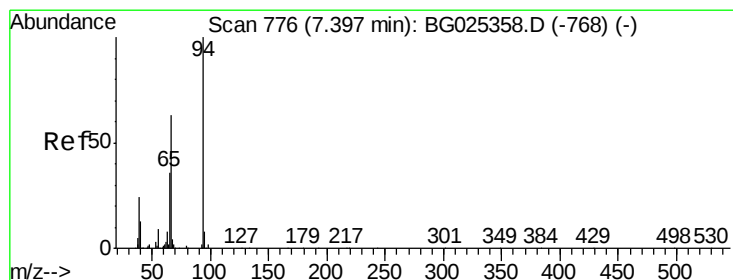
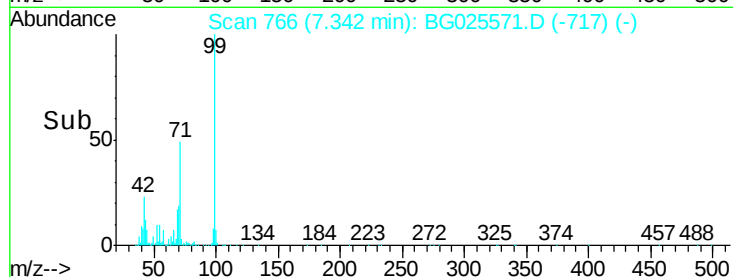
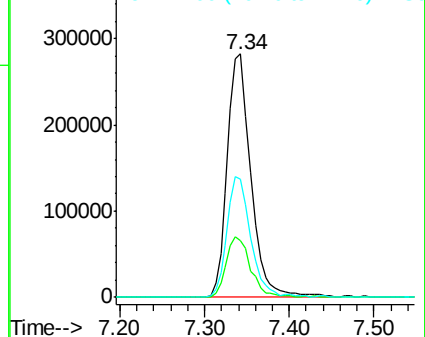
99 100

42 23.3 20.5 30.7

71 48.6 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: 4.34 ng

RT: 7.37 min Scan# 770

Delta R.T. -0.02 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

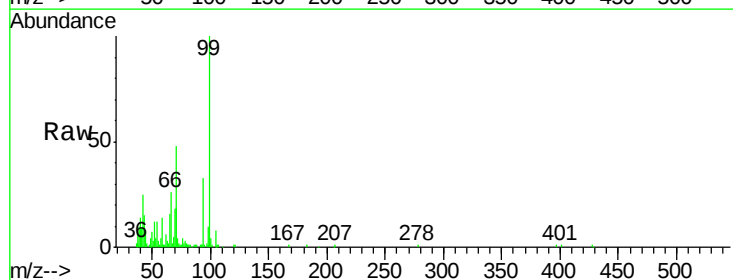
Tgt Ion: 94 Resp: 26509

Ion Ratio Lower Upper

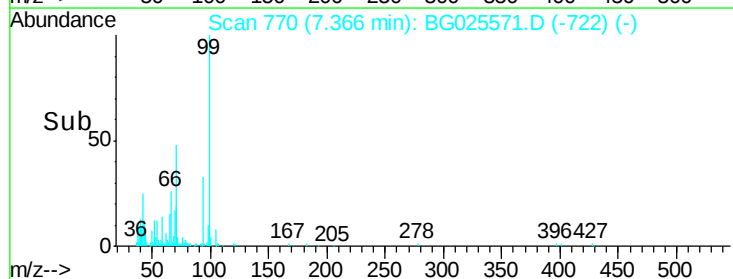
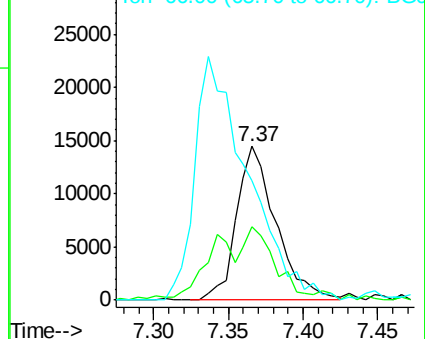
94 100

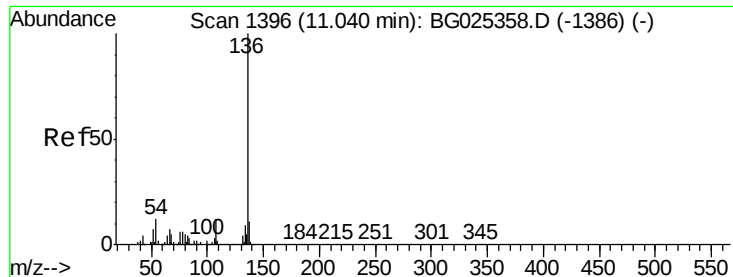
65 47.3 20.6 60.6

66 77.7 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

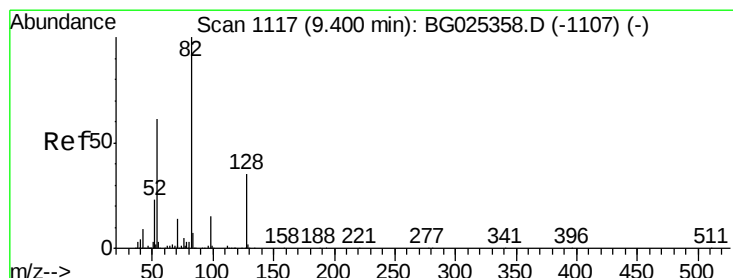
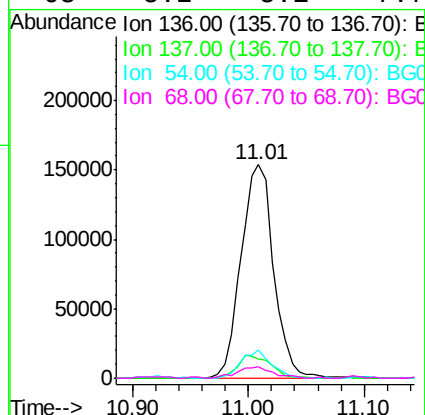
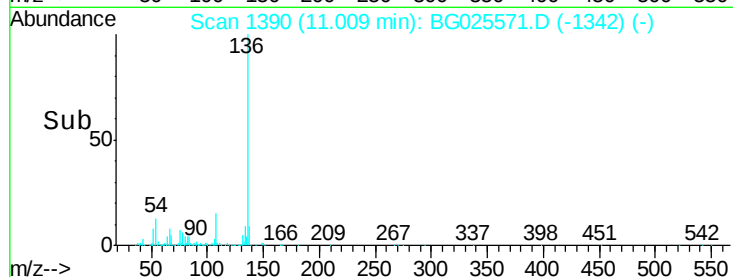
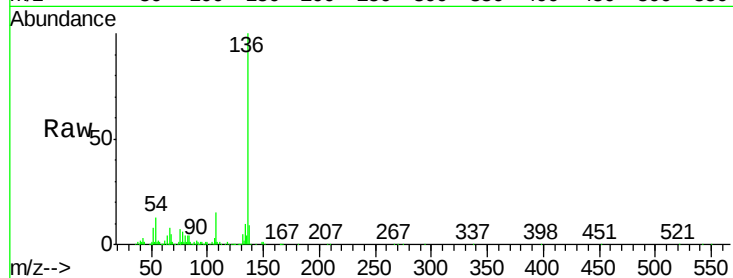




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

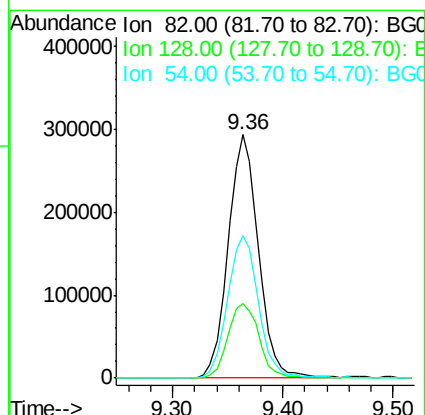
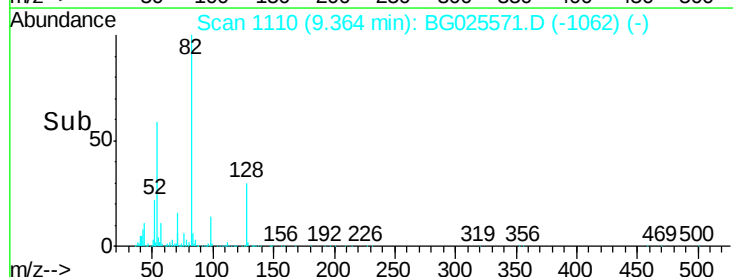
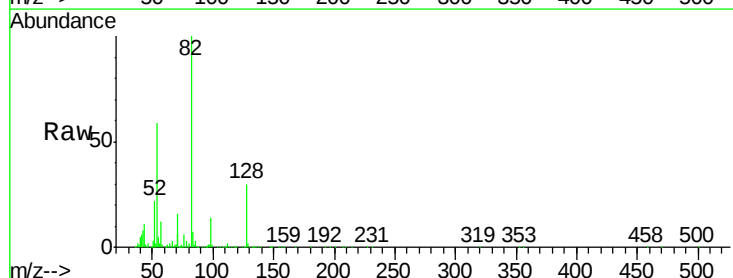
Instrument :
BNA_G
ClientSampleId :
S2-0-3FT-COMP

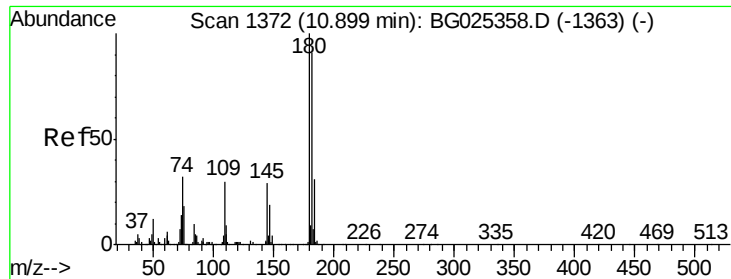
Tgt Ion:	136	Resp:	301261
Ion	Ratio	Lower	Upper
136	100		
137	9.3	8.9	13.3
54	13.1	9.3	13.9
68	5.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 82.64 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Tgt Ion:	82	Resp:	563553
Ion	Ratio	Lower	Upper
82	100		
128	30.4	26.4	39.6
54	58.6	49.4	74.2

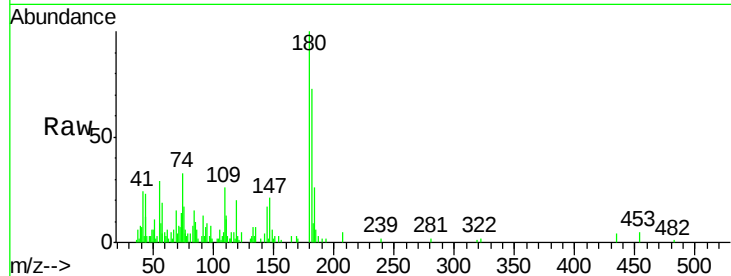




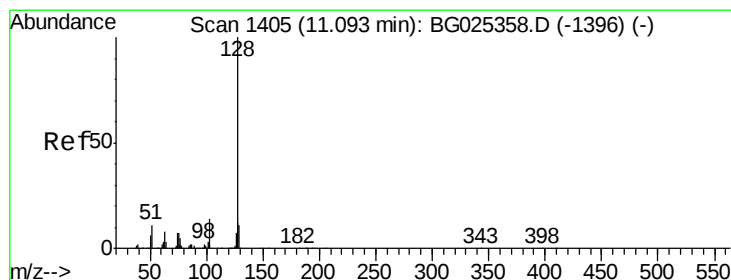
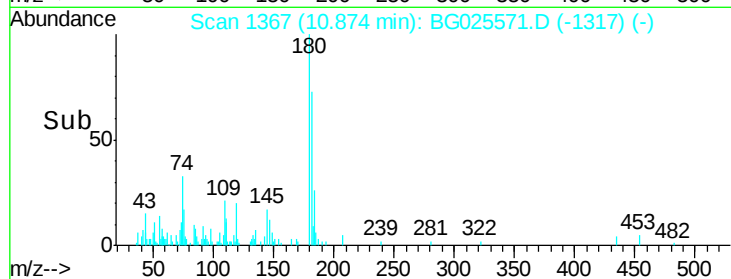
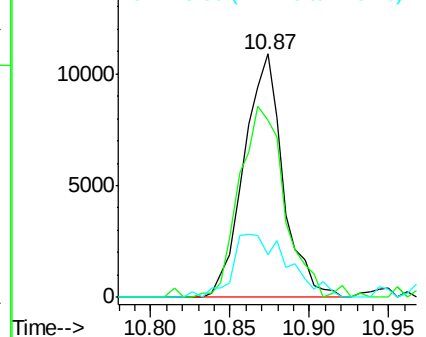
#30
1,2,4-Trichlorobenzene
Concen: 3.06 ng
RT: 10.87 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Instrument :
BNA_G
ClientSampleId :
S2-0-3FT-COMP

Tgt Ion:180 Resp: 18611
Ion Ratio Lower Upper
180 100
182 72.8 77.0 115.4#
145 17.4 23.4 35.0#

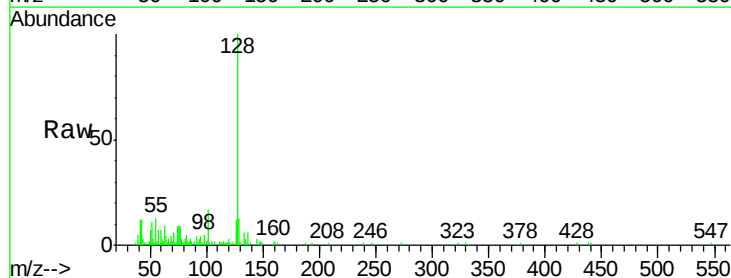


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

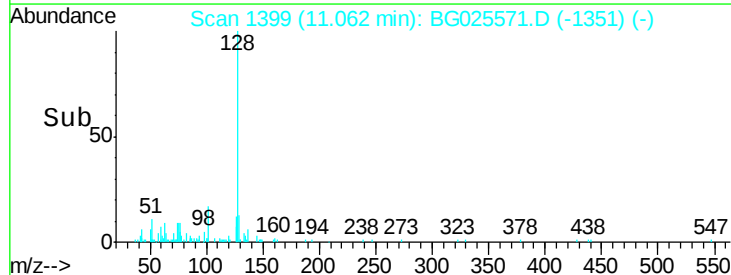
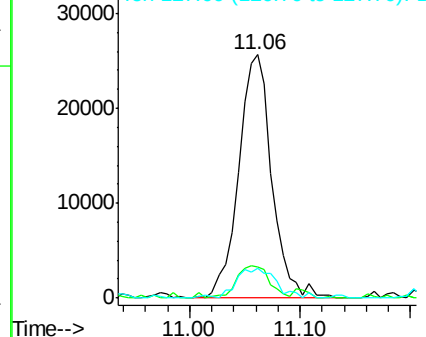


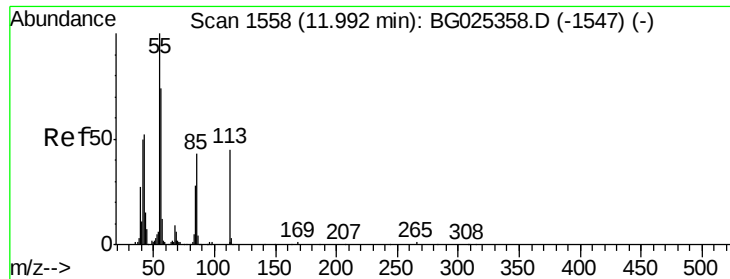
#31
Naphthalene
Concen: 3.58 ng
RT: 11.06 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Tgt Ion:128 Resp: 53904
Ion Ratio Lower Upper
128 100
129 12.6 9.3 13.9
127 12.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#35

Caprolactam

Concen: 2.35 ng

RT: 11.97 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

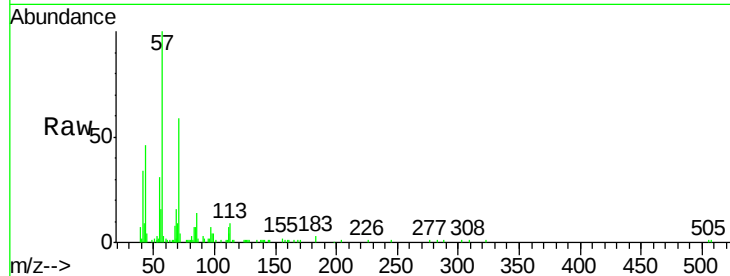
Tgt Ion:113 Resp: 4448

Ion Ratio Lower Upper

113 100

55 328.4 198.6 238.6#

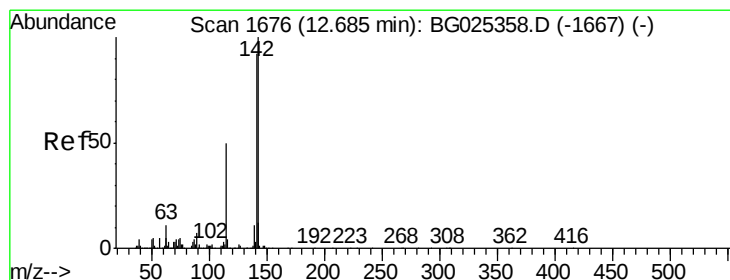
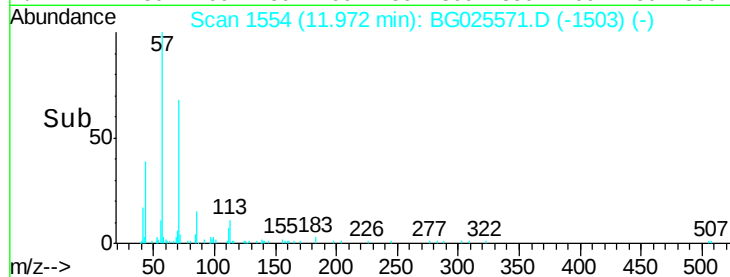
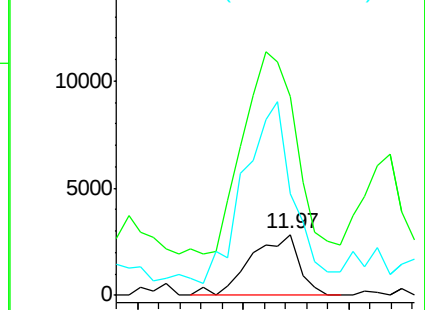
56 168.5 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG025358.D (-1547) (-)

Ion 56.00 (55.70 to 56.70): BG025358.D (-1547) (-)



#37

2-Methylnaphthalene

Concen: 3.37 ng

RT: 12.65 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

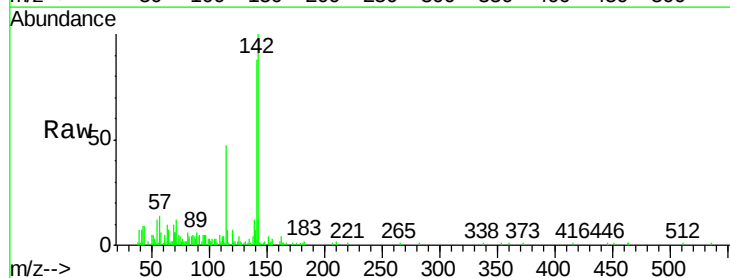
Tgt Ion:142 Resp: 37532

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

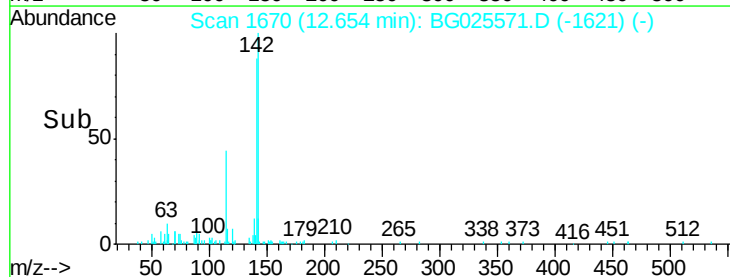
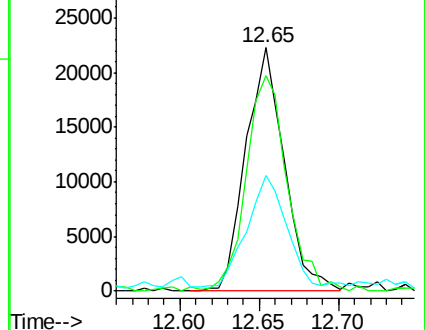
115 47.4 35.5 53.3

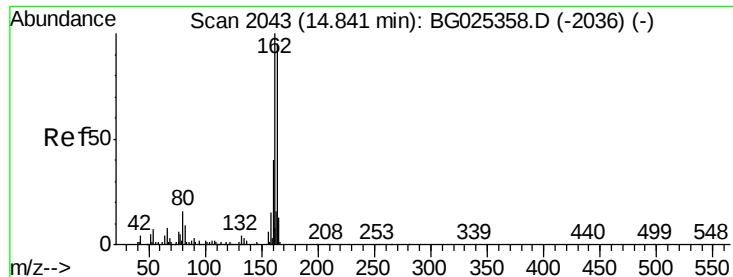


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): BG025358.D (-1667) (-)

Ion 115.00 (114.70 to 115.70): BG025358.D (-1667) (-)





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

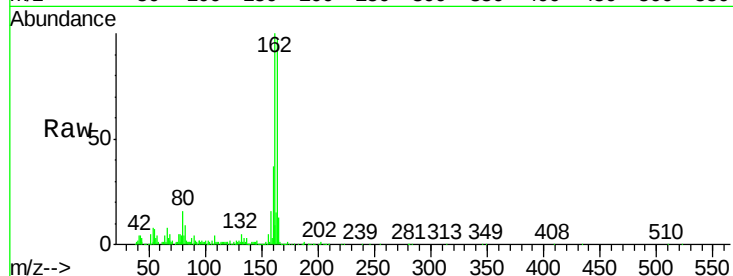
Tgt Ion:164 Resp: 238964

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

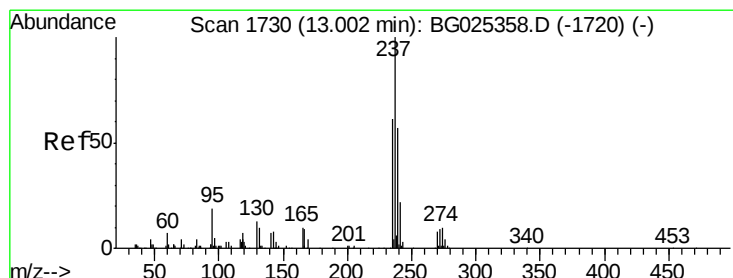
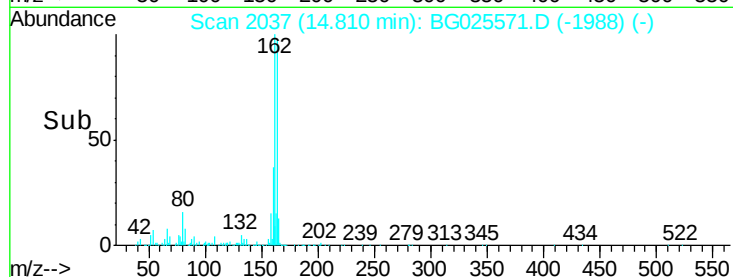
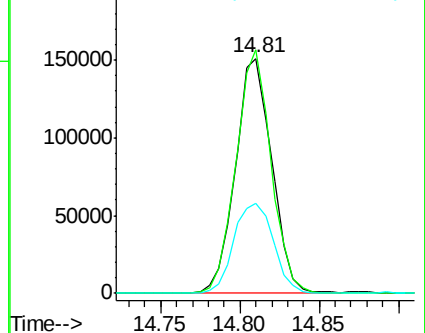
160 38.4 34.7 52.1



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: 8.54 ng

RT: 12.98 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

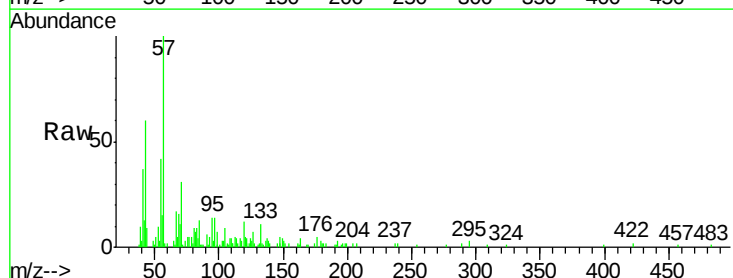
Tgt Ion:237 Resp: 85

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

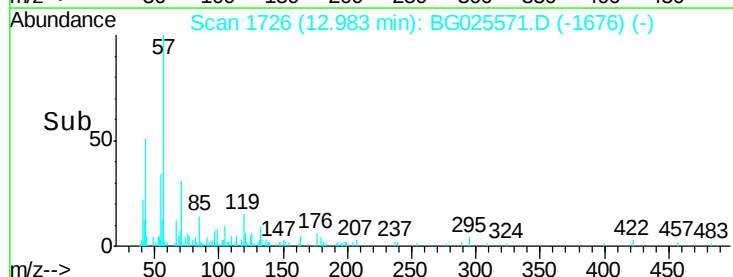
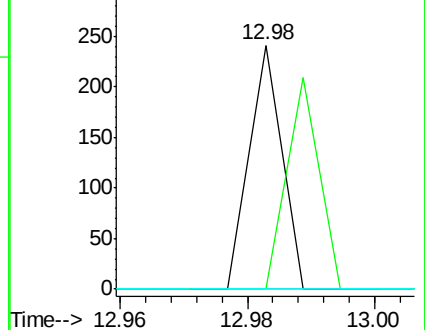
272 0.0 0.0 32.0

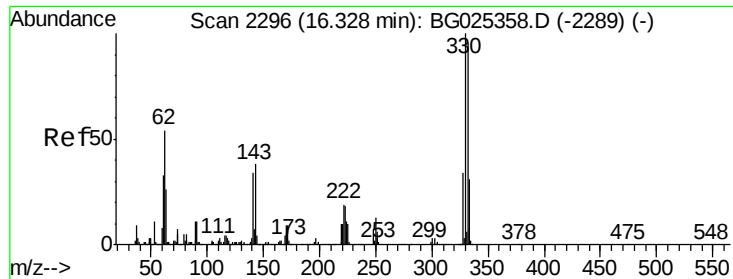


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

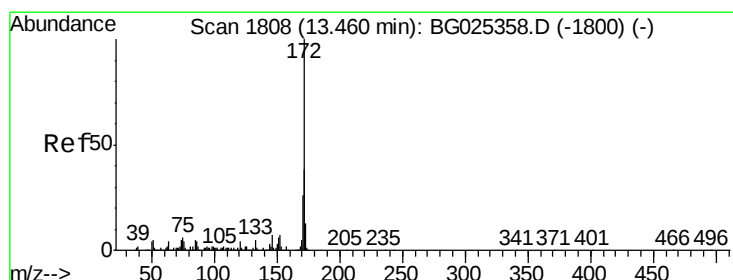
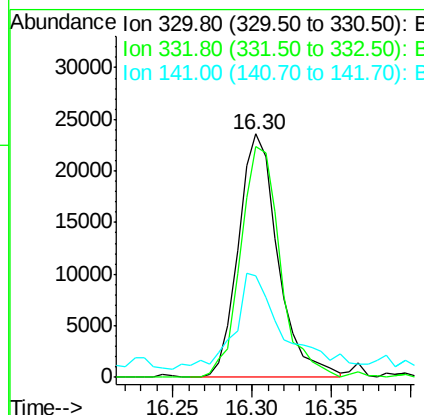
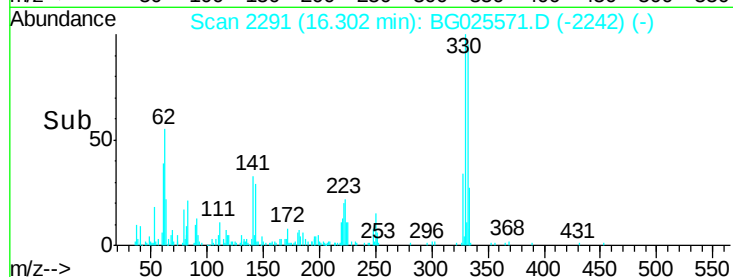
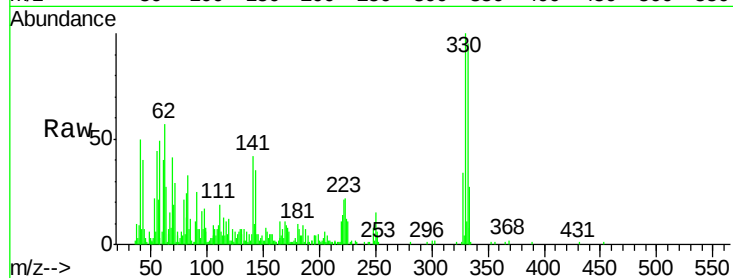




#41
 2,4,6-Tribromophenol
 Concen: 10.64 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG025571.D
 Acq: 21 Jan 2017 13:24

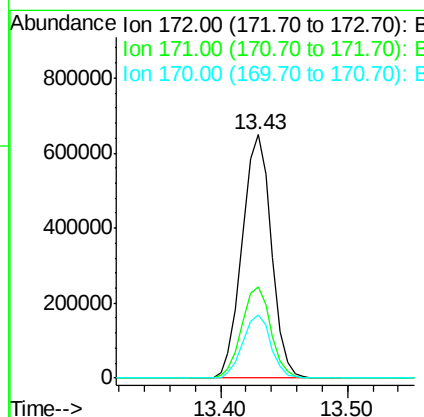
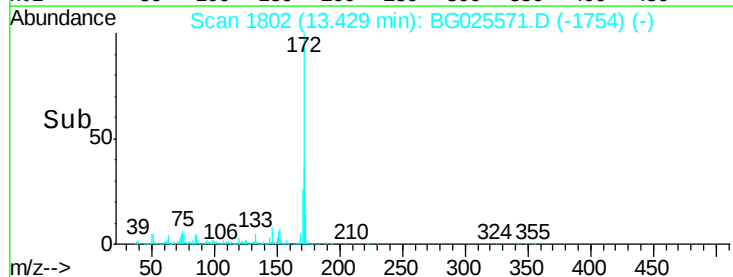
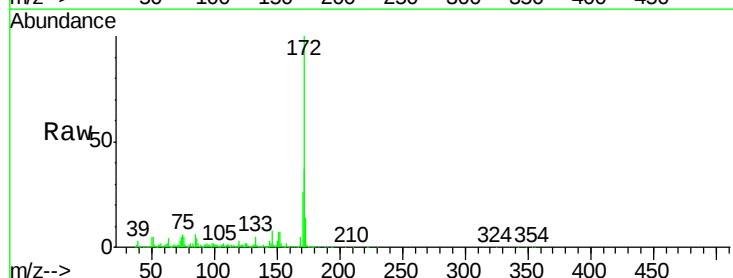
Instrument :
 BNA_G
 ClientSampleId :
 S2-0-3FT-COMP

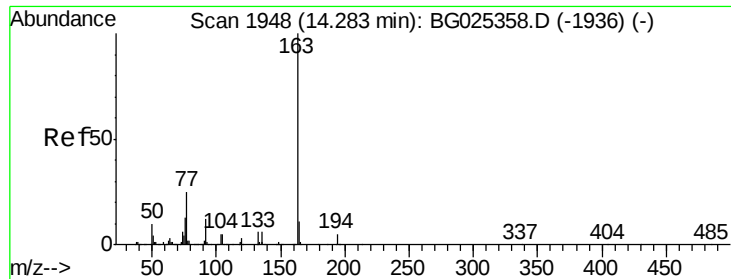
Tgt Ion:330 Resp: 40942
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.3 115.9
 141 48.3 32.1 48.1#



#44
 2-Fluorobiphenyl
 Concen: 70.34 ng
 RT: 13.43 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BG025571.D
 Acq: 21 Jan 2017 13:24

Tgt Ion:172 Resp: 1038260
 Ion Ratio Lower Upper
 172 100
 171 37.5 32.2 48.2
 170 25.7 21.8 32.6





#49

Dimethylphthalate

Concen: 13.67 ng

RT: 14.25 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

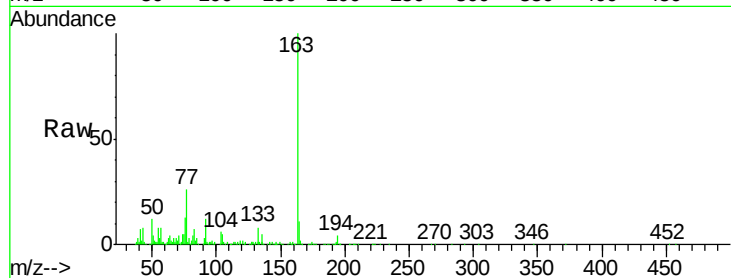
Tgt Ion:163 Resp: 238223

Ion Ratio Lower Upper

163 100

194 4.3 3.8 5.6

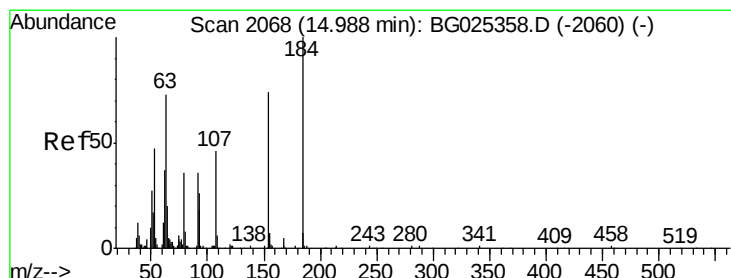
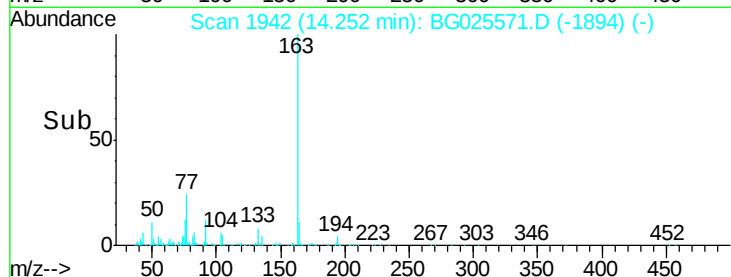
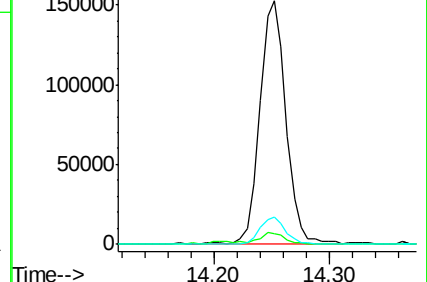
164 11.3 9.3 13.9



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: 5.11 ng

RT: 14.98 min Scan# 2066

Delta R.T. 0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

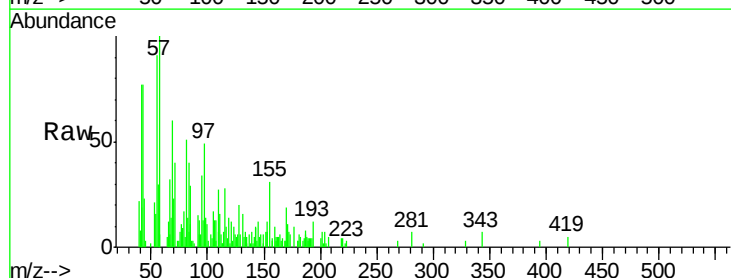
Tgt Ion:184 Resp: 87

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

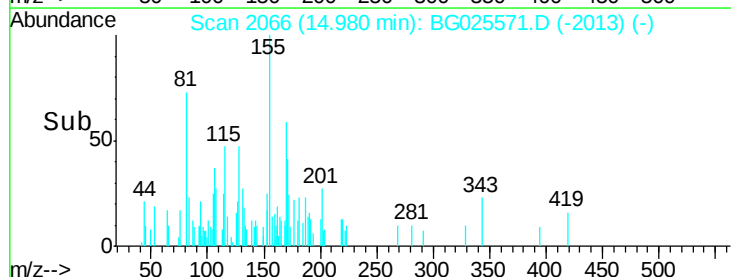
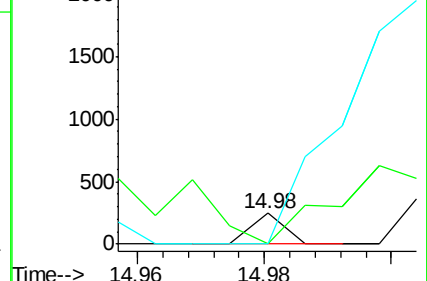
154 0.0 57.3 85.9#

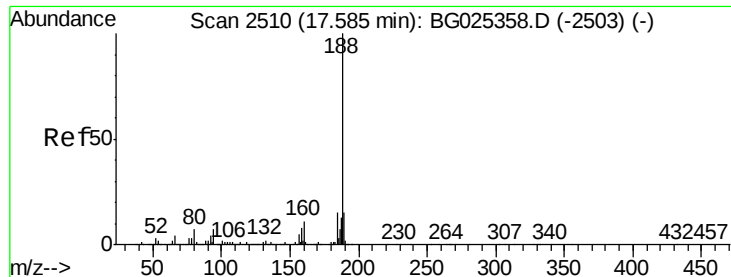


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

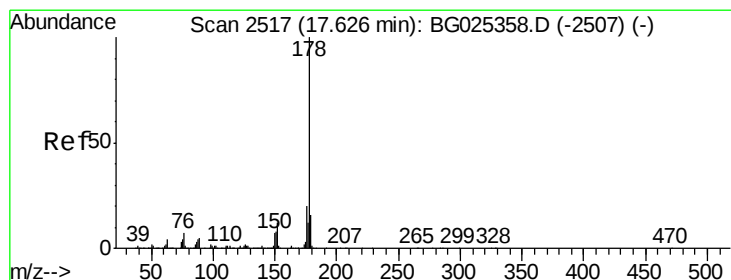
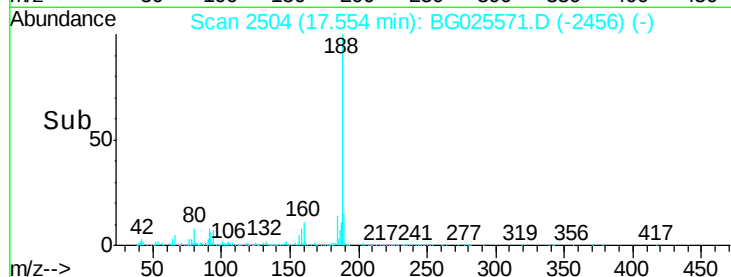
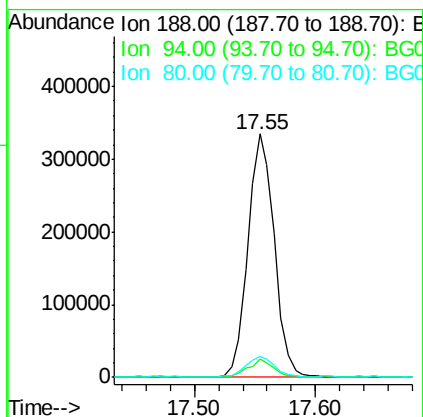
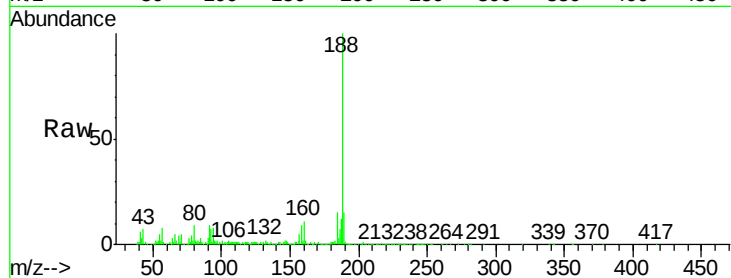




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.02 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

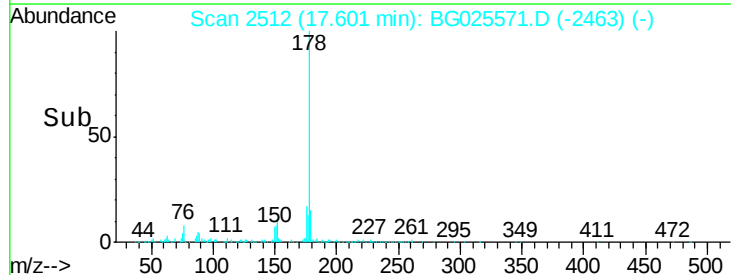
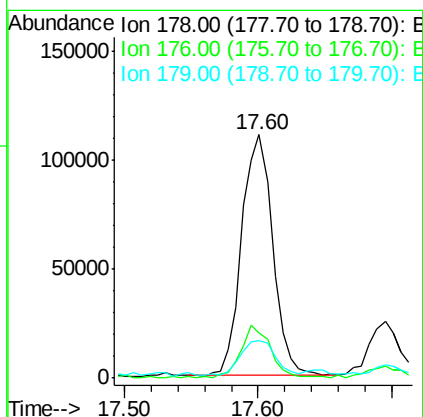
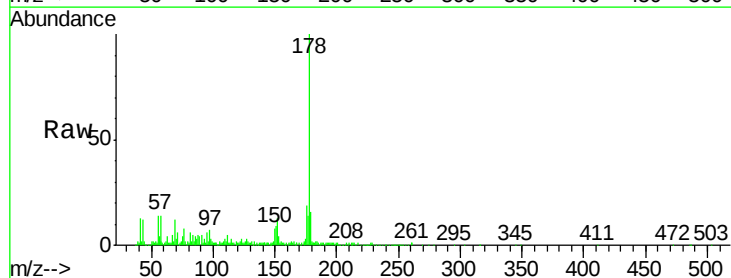
Instrument :
BNA_G
ClientSampleId :
S2-0-3FT-COMP

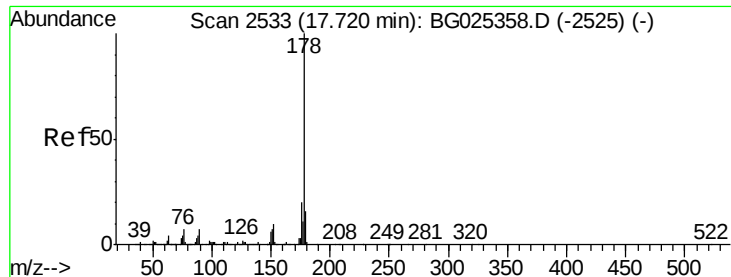
Tgt Ion:188 Resp: 509162
Ion Ratio Lower Upper
188 100
94 7.7 5.8 8.8
80 8.6 7.5 11.3



#70
Phenanthrene
Concen: 6.75 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Tgt Ion:178 Resp: 177191
Ion Ratio Lower Upper
178 100
176 18.7 17.7 26.5
179 15.6 15.0 22.6





#71

Anthracene

Concen: 6.65 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.11 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

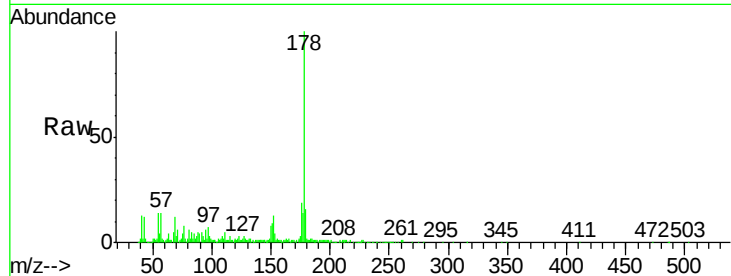
Tgt Ion:178 Resp: 177191

Ion Ratio Lower Upper

178 100

176 18.7 16.4 24.6

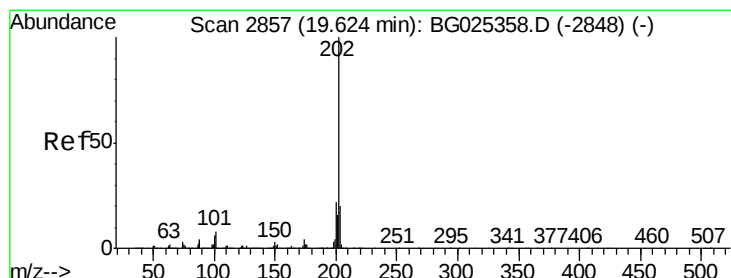
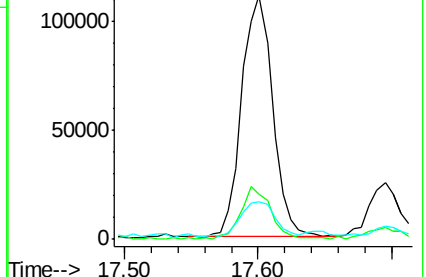
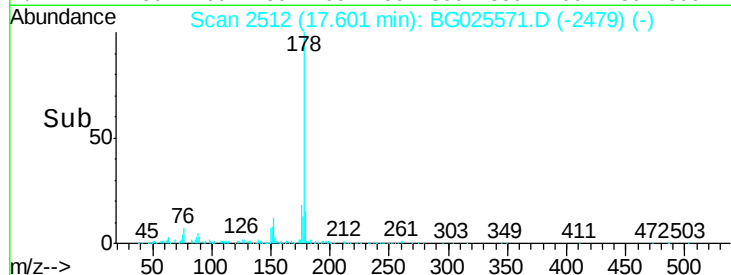
179 15.6 13.8 20.8



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: 7.60 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

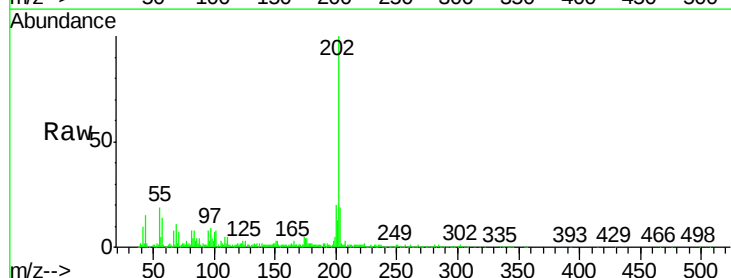
Tgt Ion:202 Resp: 263327

Ion Ratio Lower Upper

202 100

101 7.8 0.0 30.1

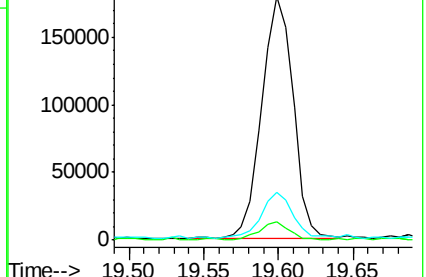
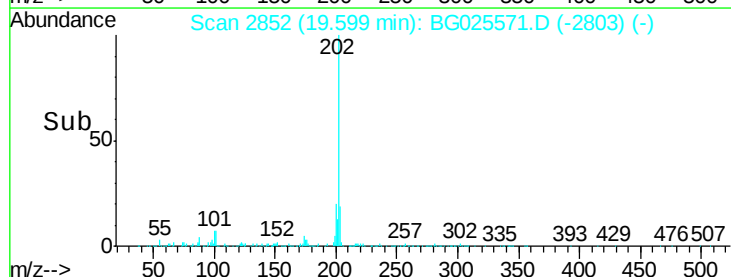
203 19.4 1.3 41.3

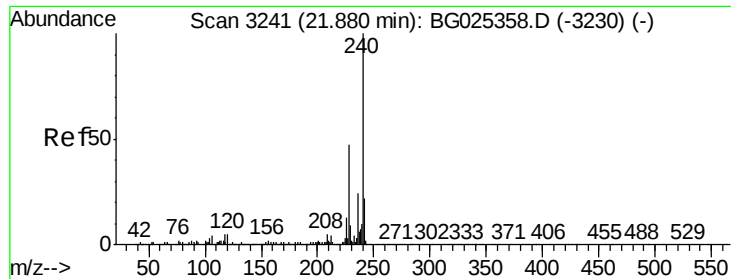


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

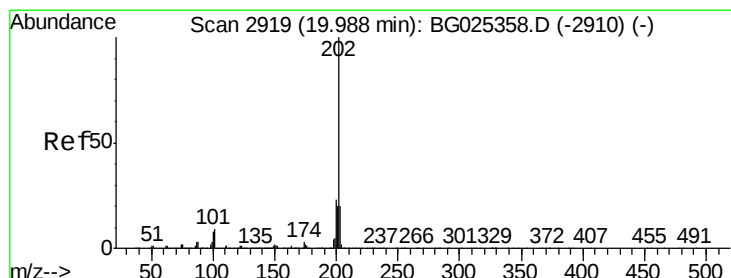
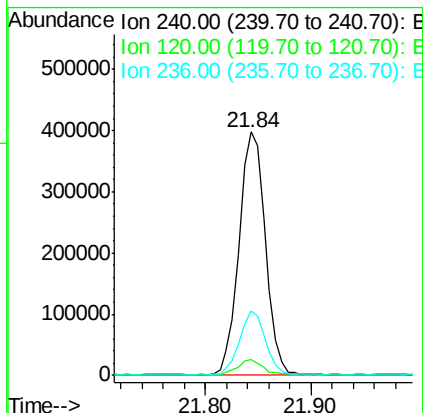
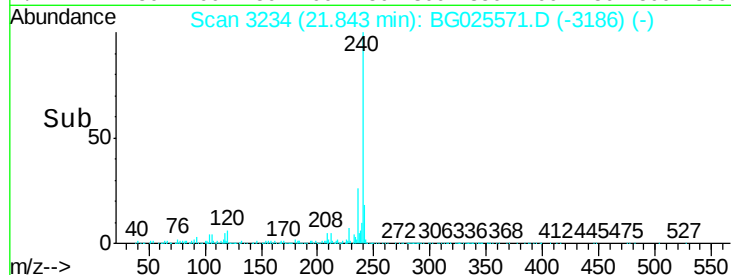
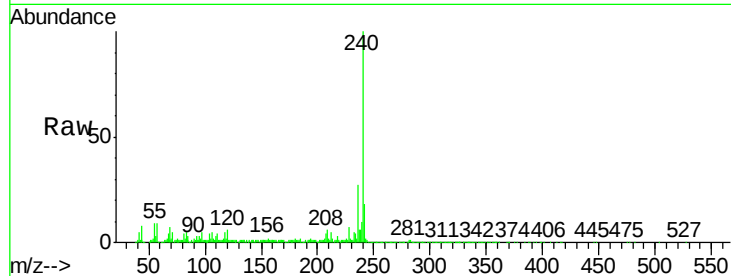
Tgt Ion:240 Resp: 683731

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

236 26.6 22.2 33.4



#77

Pyrene

Concen: 6.77 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

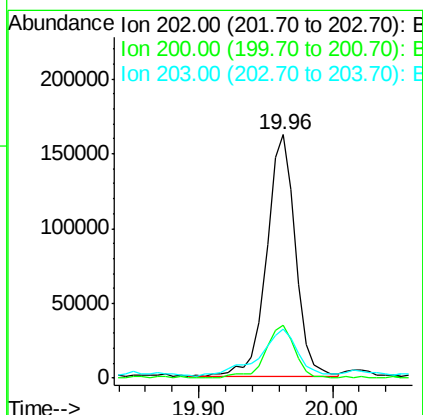
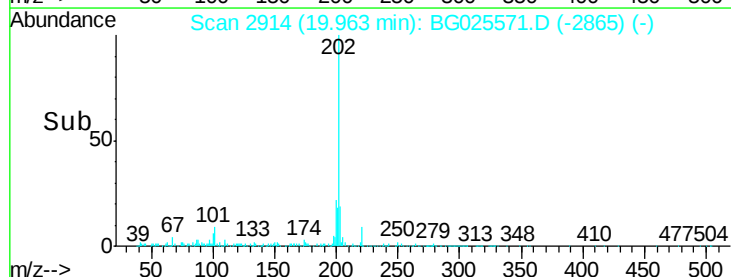
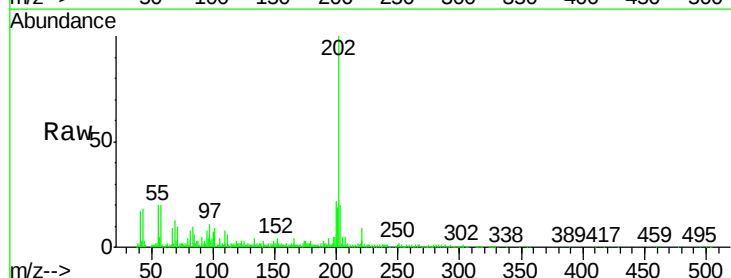
Tgt Ion:202 Resp: 242060

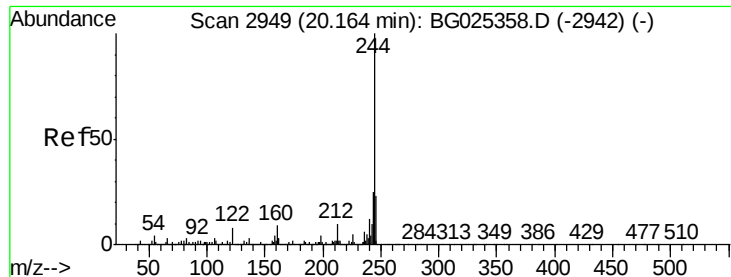
Ion Ratio Lower Upper

202 100

200 21.9 19.6 29.4

203 20.0 15.8 23.8





#78

Terphenyl-d14

Concen: 65.36 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

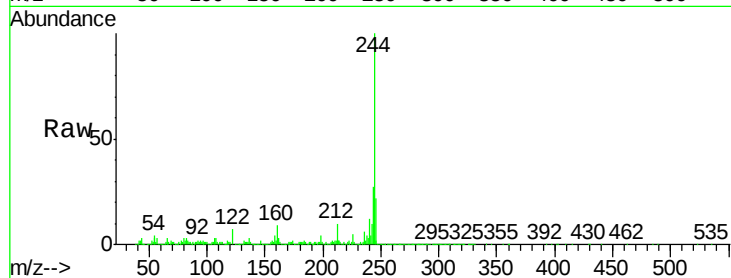
Tgt Ion:244 Resp: 1685377

Ion Ratio Lower Upper

244 100

212 10.1 10.0 15.0

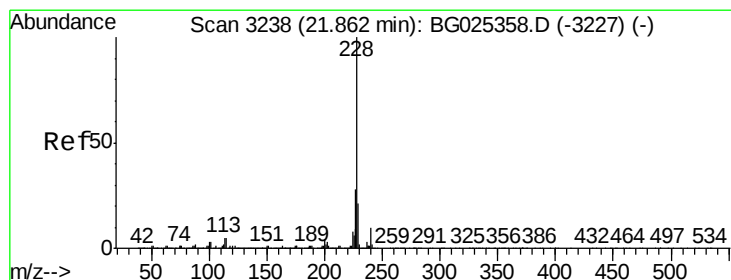
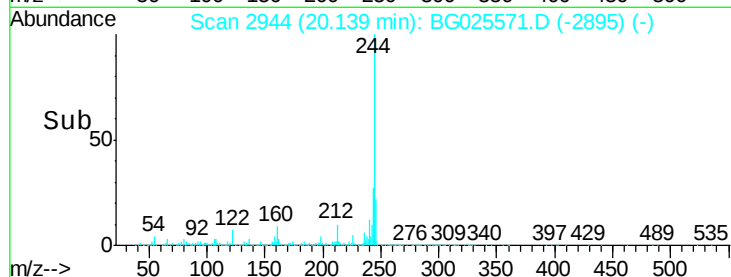
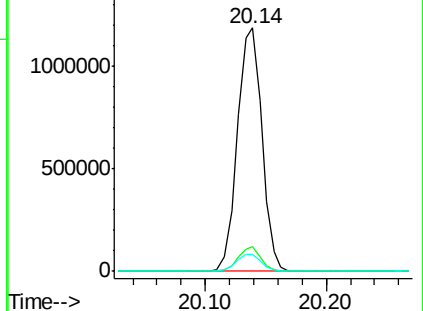
122 7.3 8.6 12.8#



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: 4.27 ng

RT: 21.90 min Scan# 3243

Delta R.T. 0.06 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

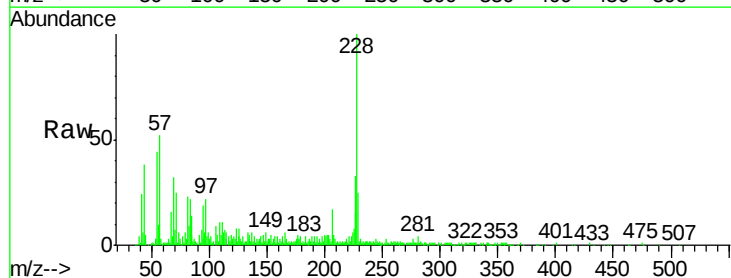
Tgt Ion:228 Resp: 162999

Ion Ratio Lower Upper

228 100

226 32.7 24.9 37.3

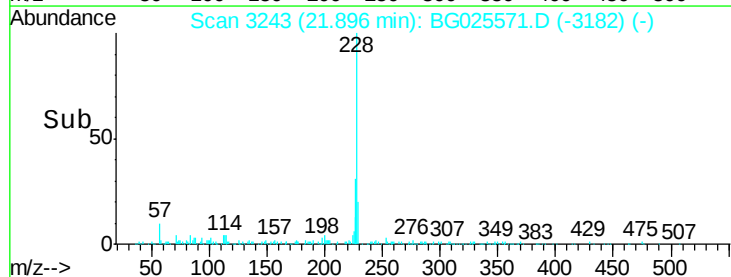
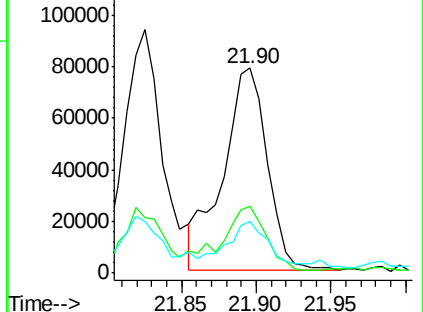
229 25.0 18.2 27.2

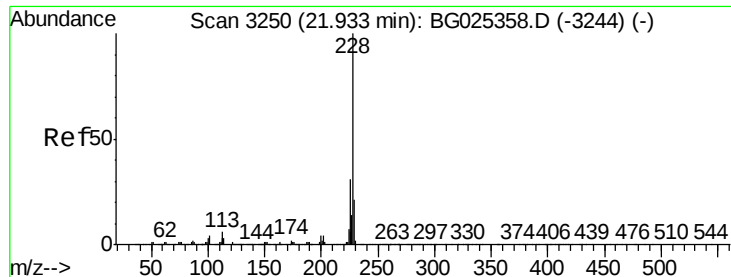


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.46 ng

RT: 21.90 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

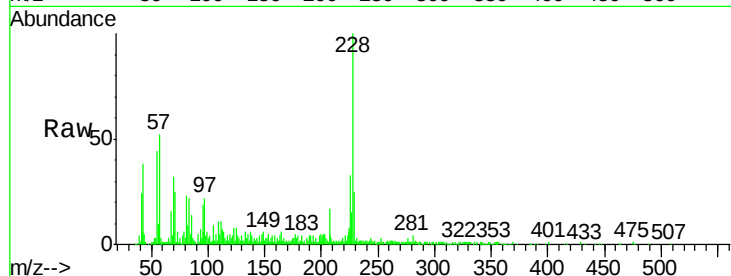
BNA_G

ClientSampleId :

S2-0-3FT-COMP

Tgt Ion:228 Resp: 162999

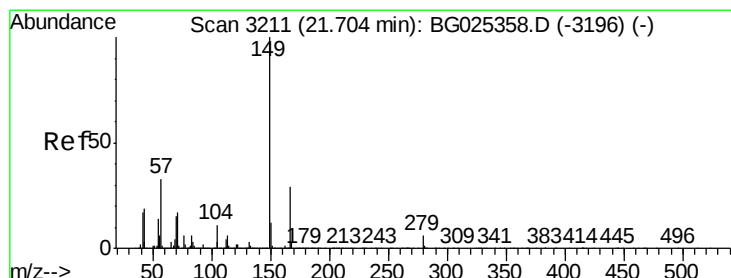
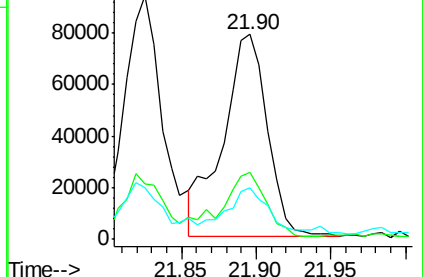
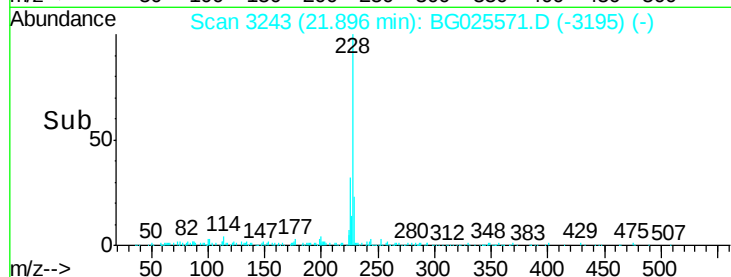
Ion	Ratio	Lower	Upper
228	100		
226	32.7	27.0	40.4
229	25.0	17.8	26.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.02 ng

RT: 21.67 min Scan# 3204

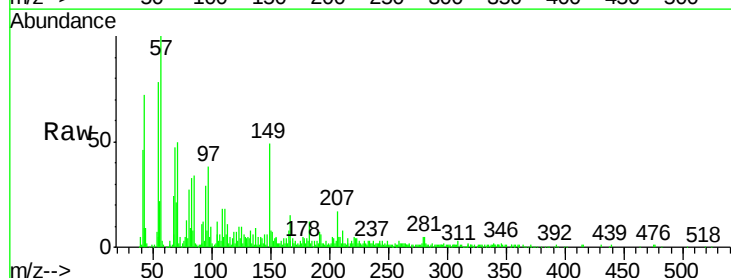
Delta R.T. -0.02 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Tgt Ion:149 Resp: 40285

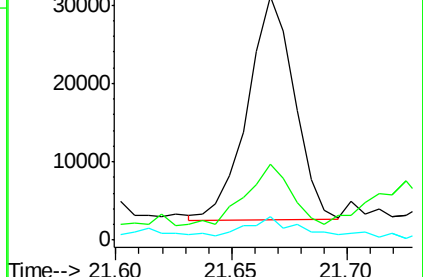
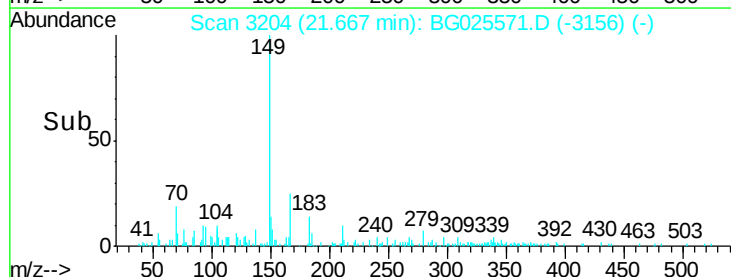
Ion	Ratio	Lower	Upper
149	100		
167	31.4	23.7	35.5
279	9.5	4.6	6.8#

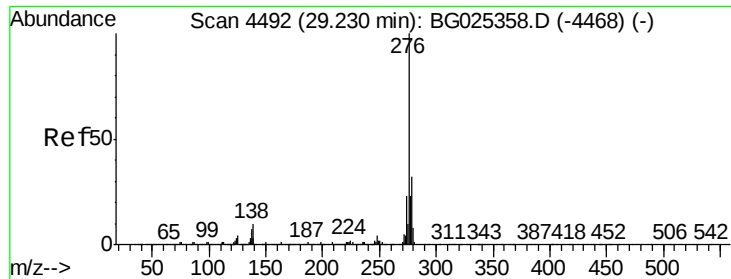


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.15 ng

RT: 29.13 min Scan# 4475

Delta R.T. -0.06 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

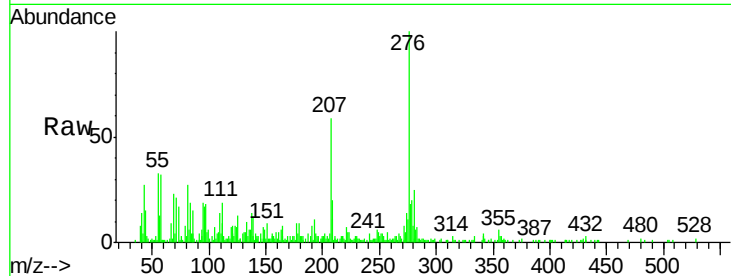
Tgt Ion:276 Resp: 99912

Ion Ratio Lower Upper

276 100

138 5.2 4.7 7.1

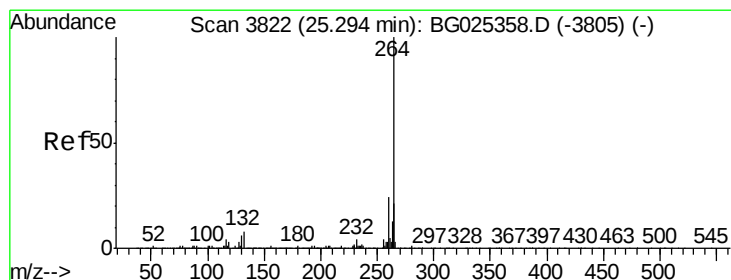
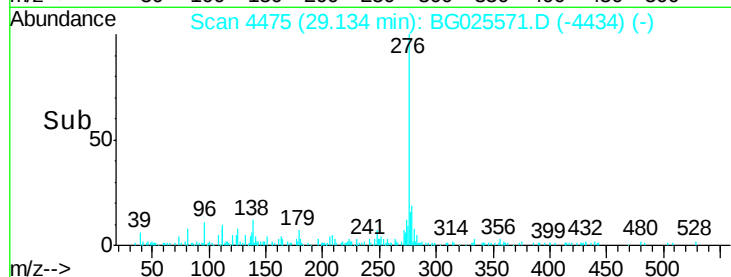
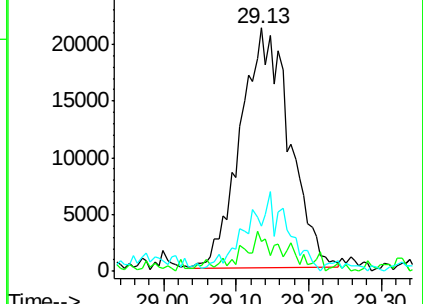
277 10.7 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.23 min Scan# 3811

Delta R.T. -0.03 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

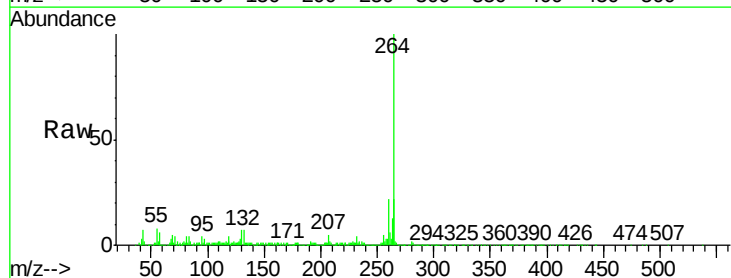
Tgt Ion:264 Resp: 715521

Ion Ratio Lower Upper

264 100

260 22.3 21.8 32.8

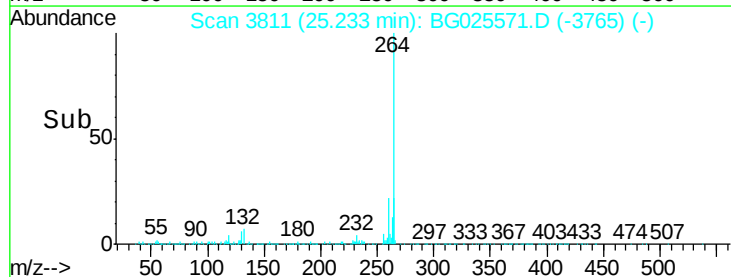
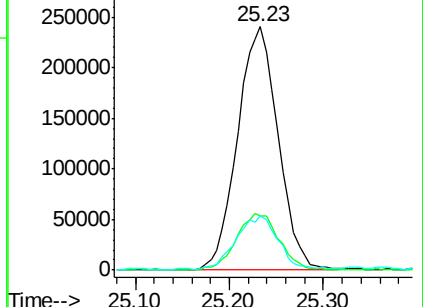
265 22.2 18.2 27.4

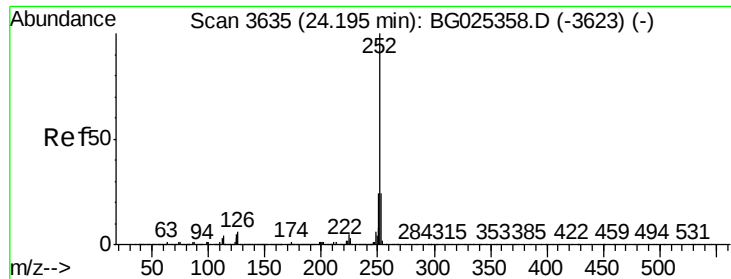


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

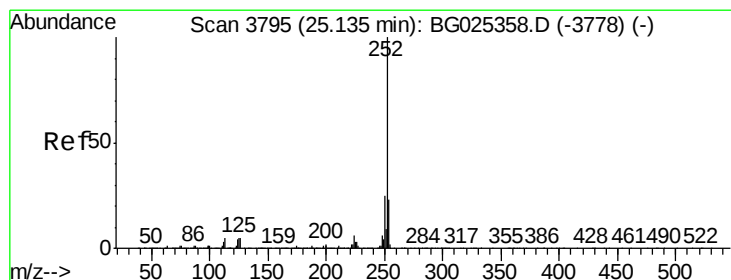
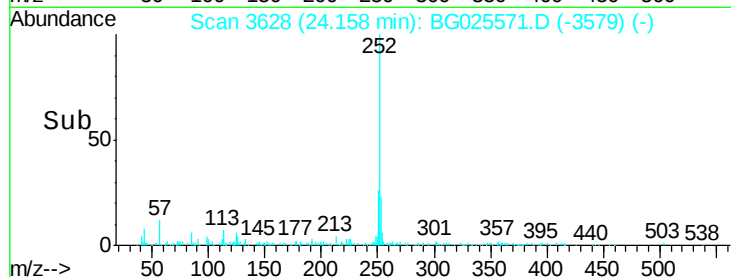
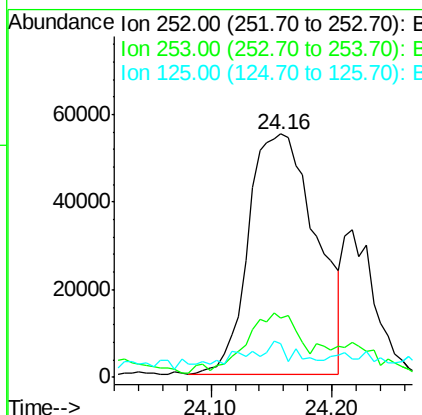
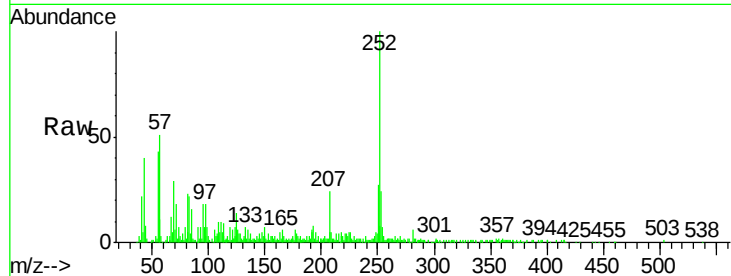




#87
Benzo(b)fluoranthene
Concen: 5.42 ng
RT: 24.16 min Scan# 3628
Delta R.T. -0.01 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

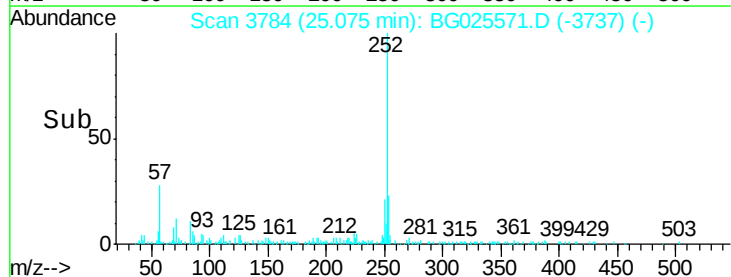
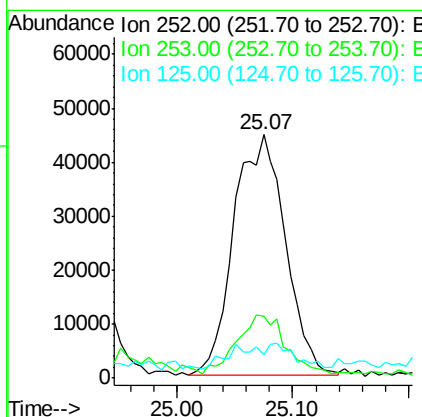
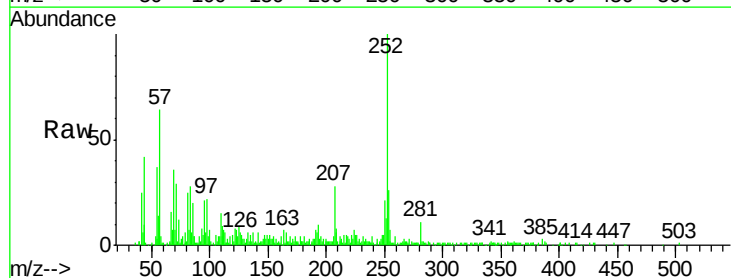
Instrument :
BNA_G
ClientSampleId :
S2-0-3FT-COMP

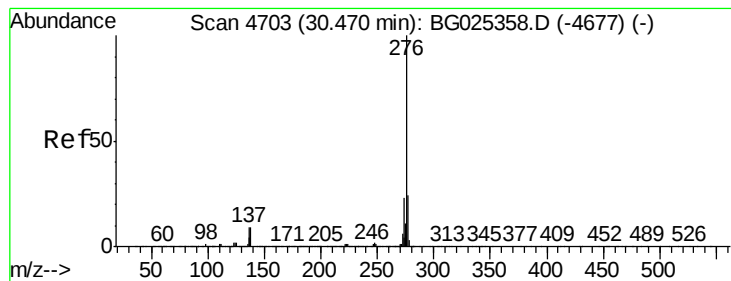
Tgt Ion:252 Resp: 211784
Ion Ratio Lower Upper
252 100
253 24.4 18.7 28.1
125 14.0 5.3 7.9#



#89
Benzo(a)pyrene
Concen: 3.68 ng
RT: 25.07 min Scan# 3784
Delta R.T. -0.03 min
Lab File: BG025571.D
Acq: 21 Jan 2017 13:24

Tgt Ion:252 Resp: 138703
Ion Ratio Lower Upper
252 100
253 25.5 19.2 28.8
125 9.4 5.4 8.0#





#91

Benzo(g,h,i)perylene

Concen: 2.40 ng

RT: 30.37 min Scan# 4685

Delta R.T. -0.06 min

Lab File: BG025571.D

Acq: 21 Jan 2017 13:24

Instrument :

BNA_G

ClientSampleId :

S2-0-3FT-COMP

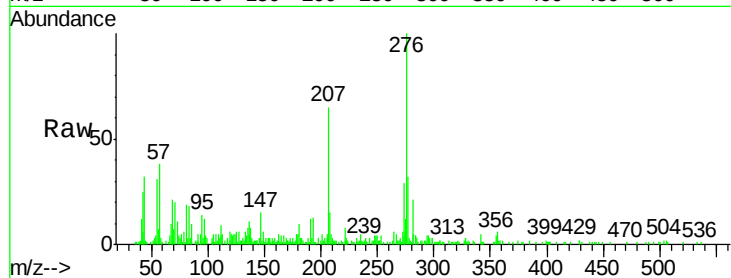
Tgt Ion: 276 Resp: 95430

Ion Ratio Lower Upper

276 100

277 31.8 18.6 27.8#

138 8.2 8.1 12.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

