

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022437.D
 Acq On : 18 Jun 2016 23:58
 Operator : UM/SJ
 Sample : H3471-25
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1160-(0-4)

Quant Time: Jun 20 01:26:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

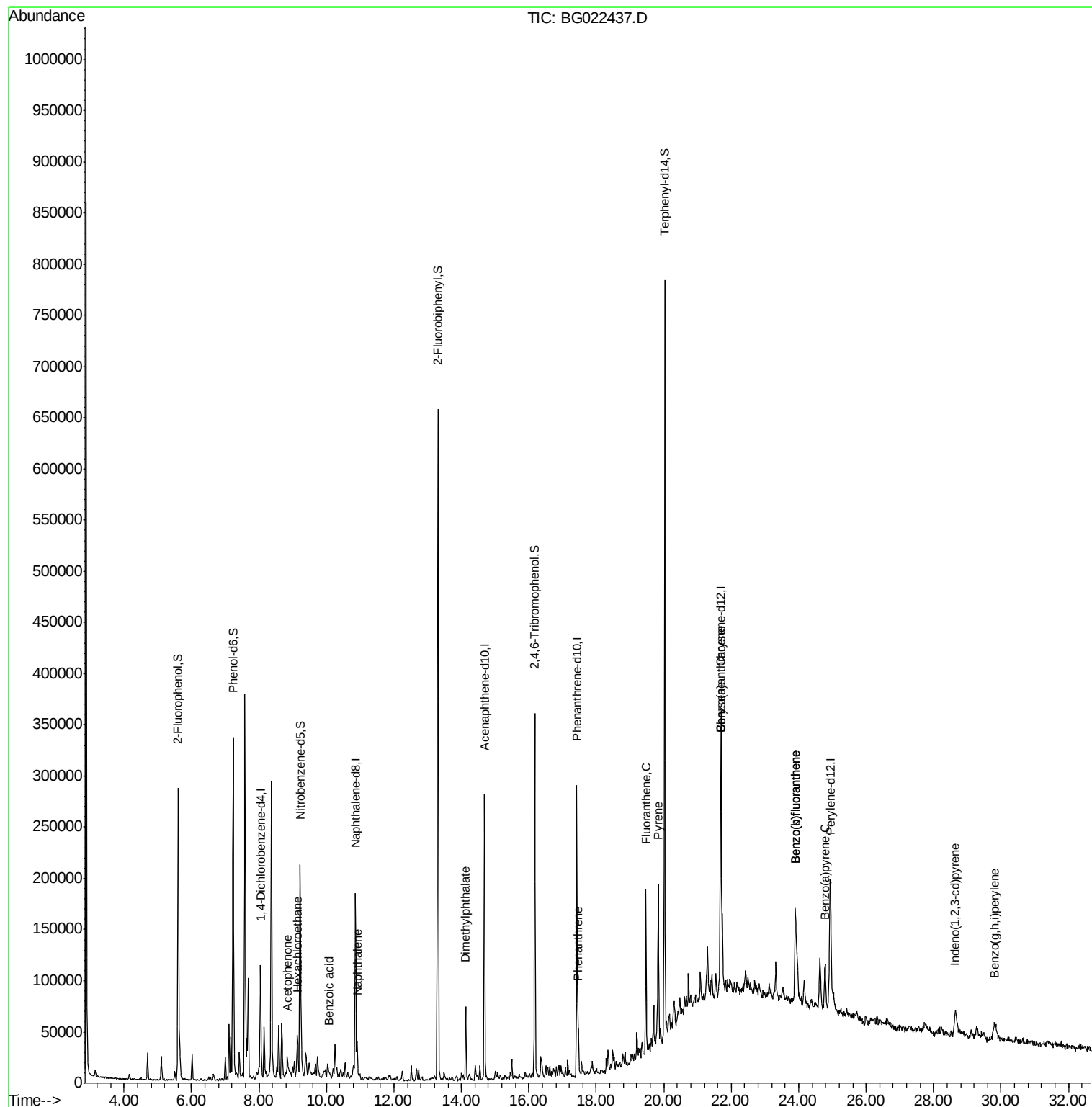
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	38856	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	191698	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	100622	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	187408	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	148596	20.00	ng	-0.05
86) Perylene-d12	24.94	264	142118	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	191362	95.22	ng	-0.04
7) Phenol-d6	7.23	99	285761	90.44	ng	-0.02
23) Nitrobenzene-d5	9.22	82	164993	60.01	ng	-0.04
41) 2,4,6-Tribromophenol	16.17	330	70076	61.63	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	379987	57.55	ng	-0.04
78) Terphenyl-d14	20.02	244	322084	51.46	ng	-0.04
Target Compounds						Qvalue
18) Hexachloroethane	9.15	117	5104	4.71	ng	# 1
22) Acetophenone	8.84	105	20232	4.90	ng	# 50
31) Naphthalene	10.92	128	34314	3.59	ng	# 93
32) Benzoic acid	10.07	122	54	7.32	ng	87
49) Dimethylphthalate	14.13	163	54886	6.58	ng	99
70) Phenanthrene	17.47	178	30675	3.01	ng	98
74) Fluoranthene	19.47	202	97323	8.32	ng	96
77) Pyrene	19.83	202	88915	9.63	ng	99
80) Benzo(a)anthracene	21.67	228	47906	5.75	ng	95
82) Chrysene	21.67	228	47906	5.91	ng	97
85) Indeno(1,2,3-cd)pyrene	28.65	276	37721	4.15	ng	# 78
87) Benzo(b)fluoranthene	23.90	252	131438	15.86	ng	# 91
88) Benzo(k)fluoranthene	23.90	252	131438	16.11	ng	# 91
89) Benzo(a)pyrene	24.78	252	46315	5.84	ng	# 94
91) Benzo(g,h,i)perylene	29.81	276	32780	4.22	ng	# 85

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

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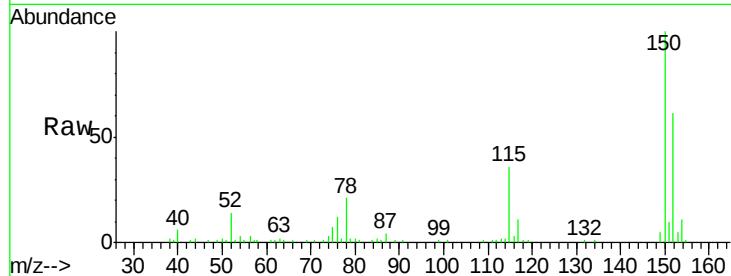


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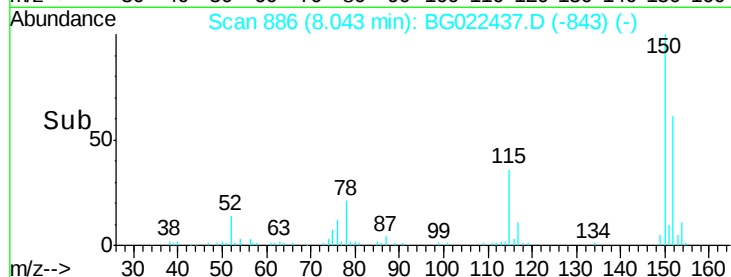
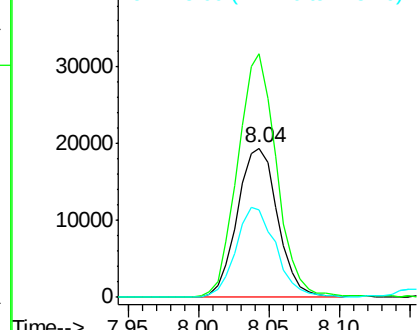
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.05 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tgt Ion:152 Resp: 38856
Ion Ratio Lower Upper
152 100
150 163.5 130.1 195.1
115 58.9 62.2 93.2#



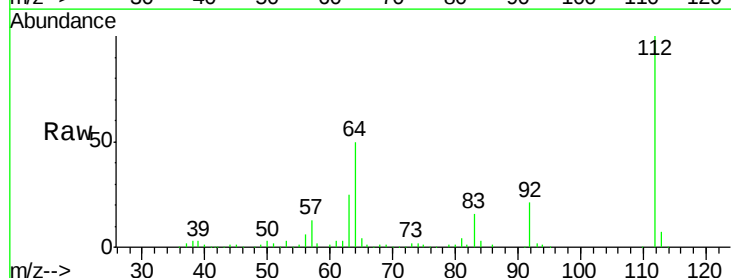
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



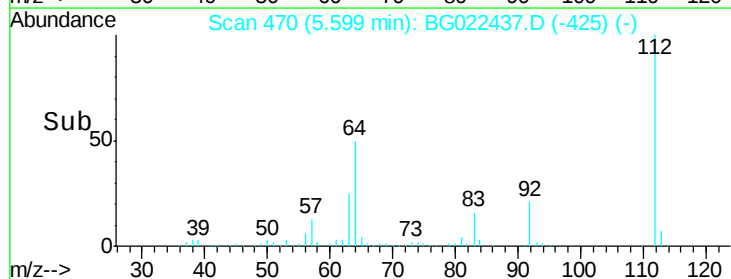
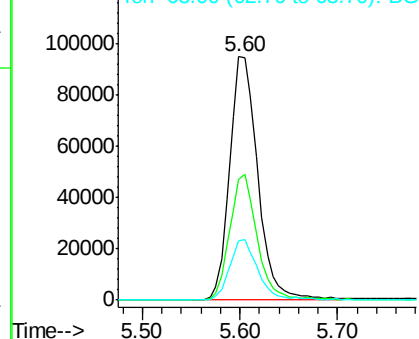
#5

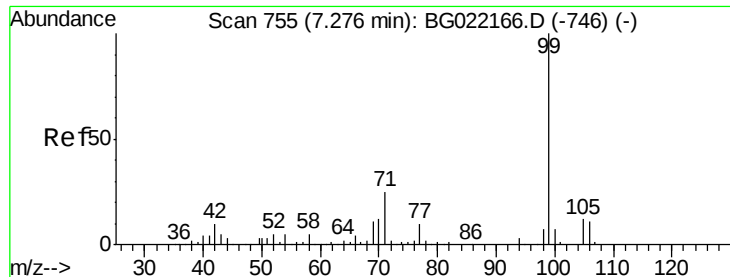
2-Fluorophenol
Concen: 95.22 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion:112 Resp: 191362
Ion Ratio Lower Upper
112 100
64 49.8 51.1 76.7#
63 24.6 24.6 37.0#



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: 90.44 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

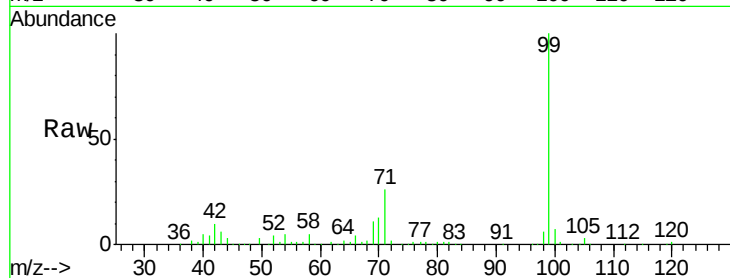
Tgt Ion: 99 Resp: 285761

Ion Ratio Lower Upper

99 100

42 9.9 16.4 24.6#

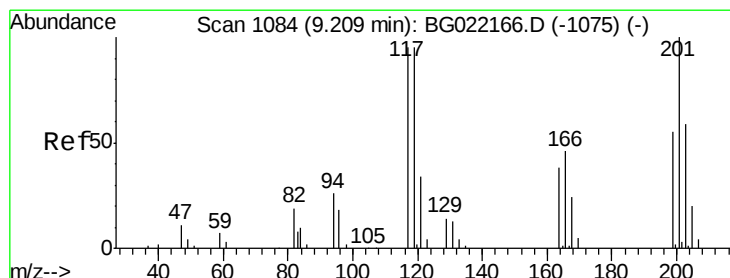
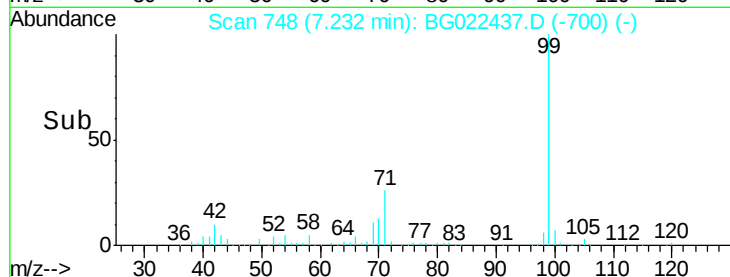
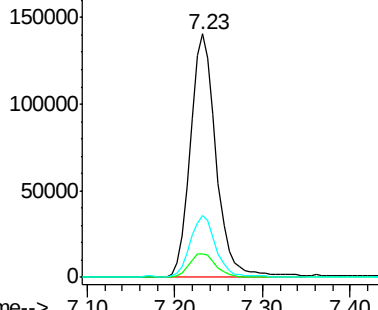
71 25.6 25.0 37.4



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



#18

Hexachloroethane

Concen: 4.71 ng

RT: 9.15 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

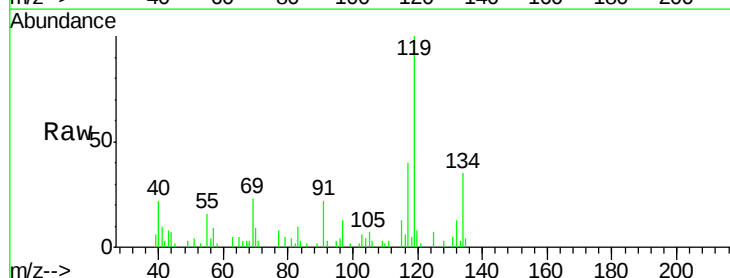
Tgt Ion: 117 Resp: 5104

Ion Ratio Lower Upper

117 100

119 247.1 63.9 95.9#

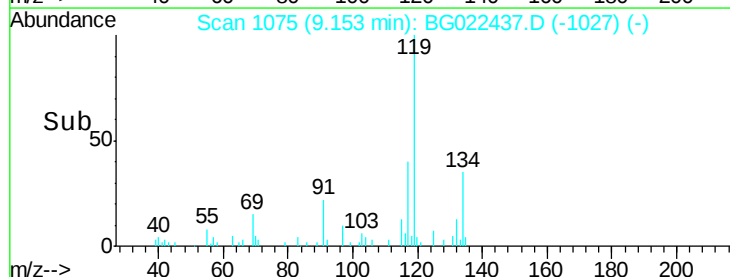
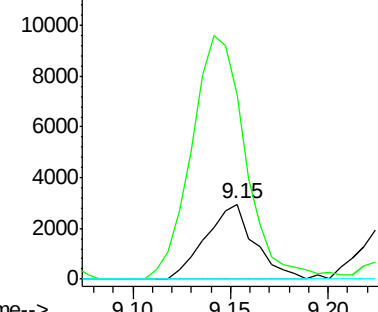
201 0.0 61.2 91.8#

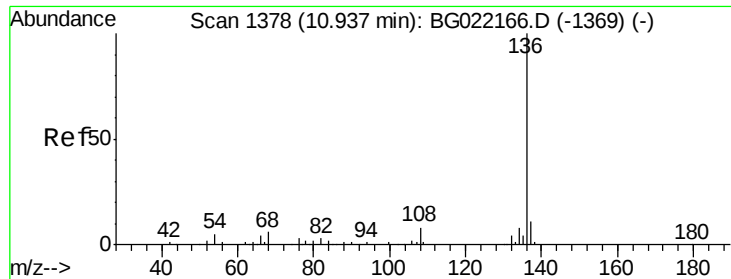


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

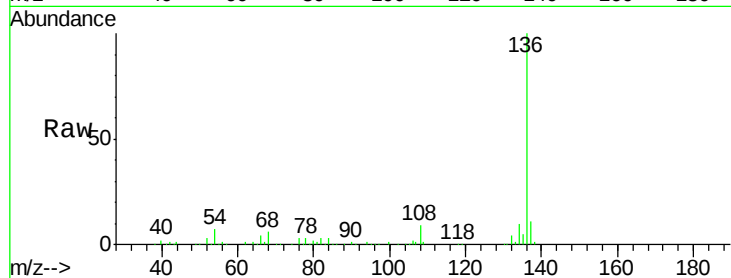




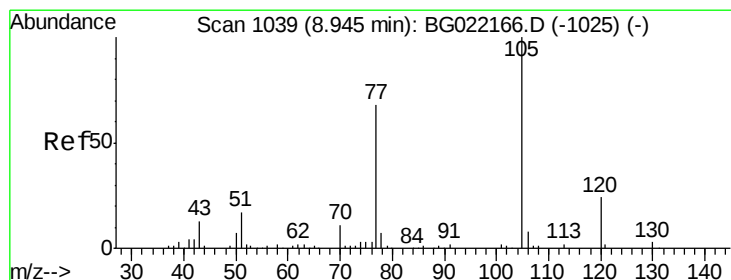
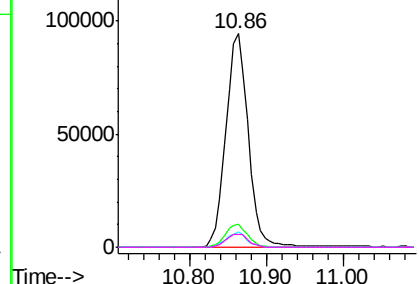
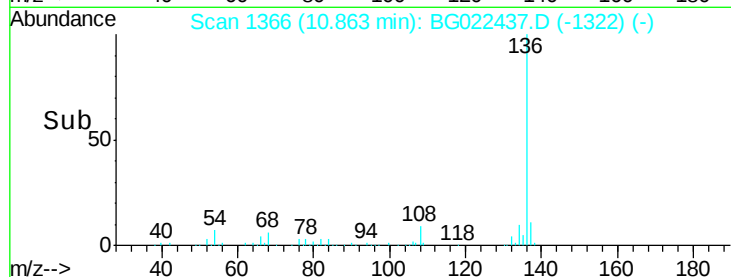
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1366
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tgt Ion:	136	Resp:	191698
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.9	9.6	14.4#
68	5.8	6.4	9.6#

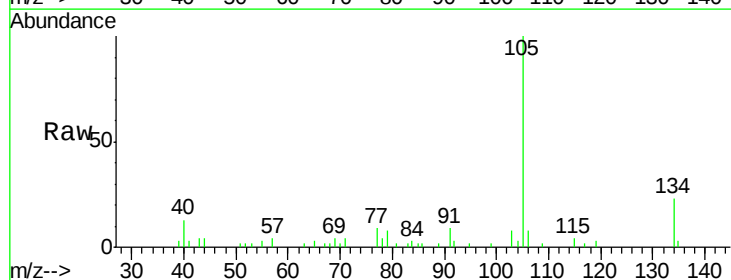


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

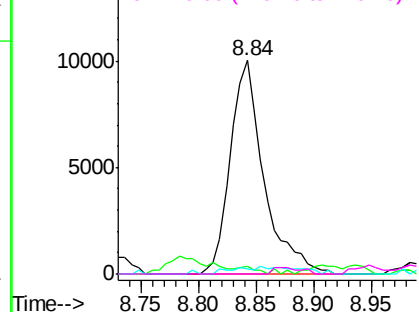
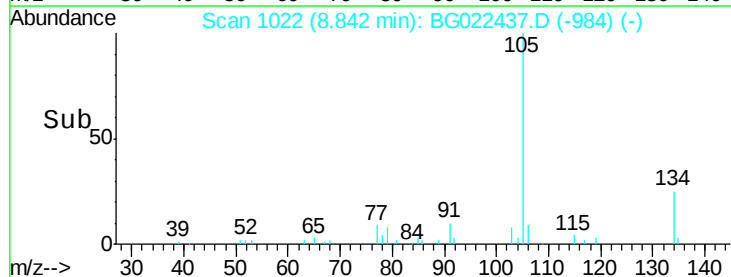


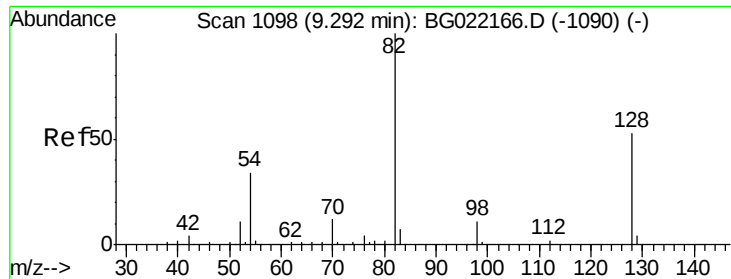
#22
Acetophenone
Concen: 4.90 ng
RT: 8.84 min Scan# 1022
Delta R.T. -0.08 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion:	105	Resp:	20232
Ion	Ratio	Lower	Upper
105	100		
71	3.8	0.0	0.0#
51	2.3	25.7	38.5#
120	0.0	17.0	25.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

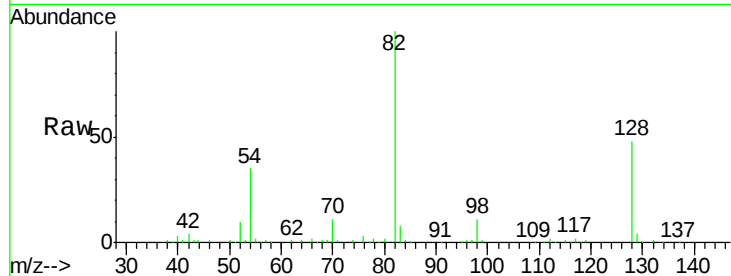




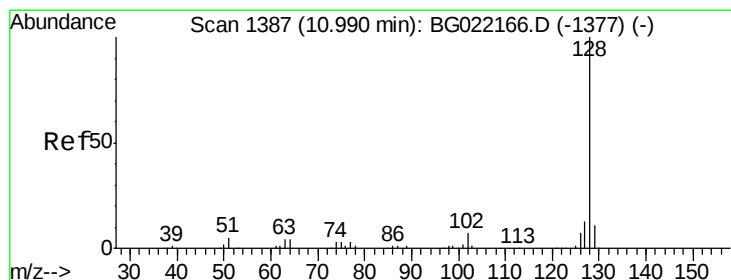
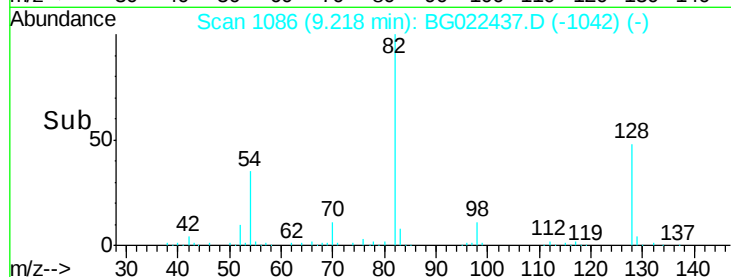
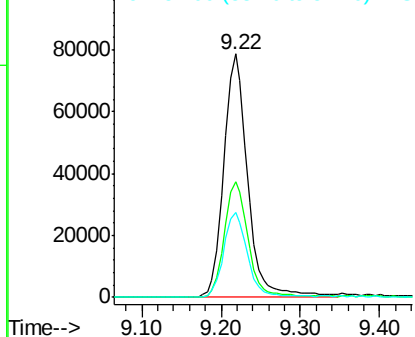
#23
Nitrobenzene-d5
Concen: 60.01 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tgt Ion: 82 Resp: 164993
Ion Ratio Lower Upper
82 100
128 47.7 33.4 50.0
54 34.7 46.1 69.1#

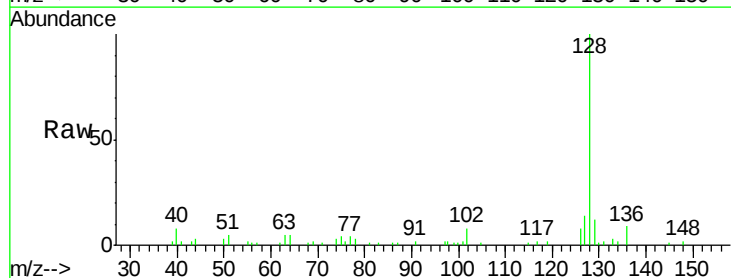


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

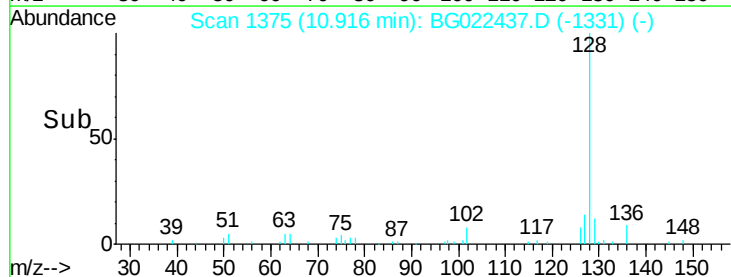
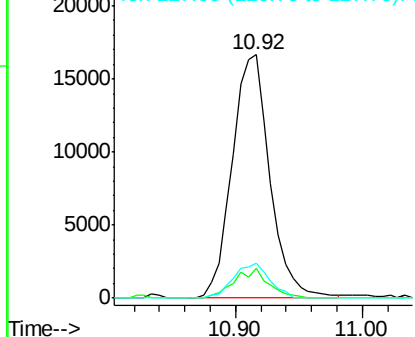


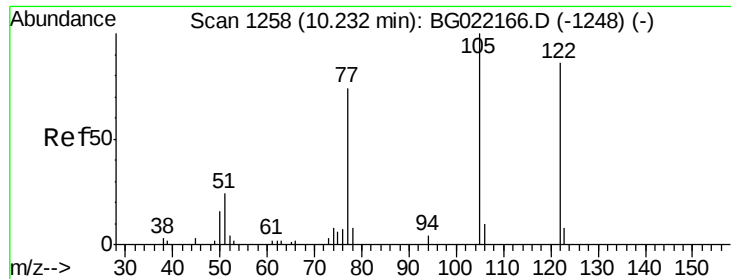
#31
Naphthalene
Concen: 3.59 ng
RT: 10.92 min Scan# 1375
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion: 128 Resp: 34314
Ion Ratio Lower Upper
128 100
129 12.3 7.0 10.6#
127 14.3 10.1 15.1



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

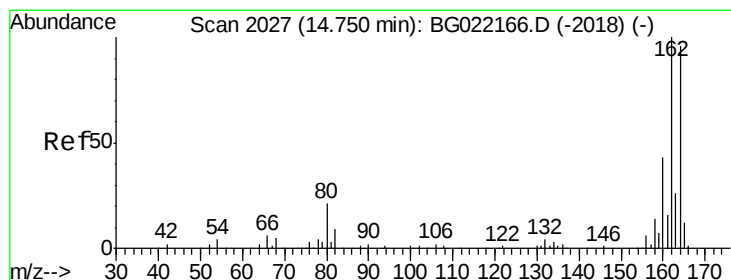
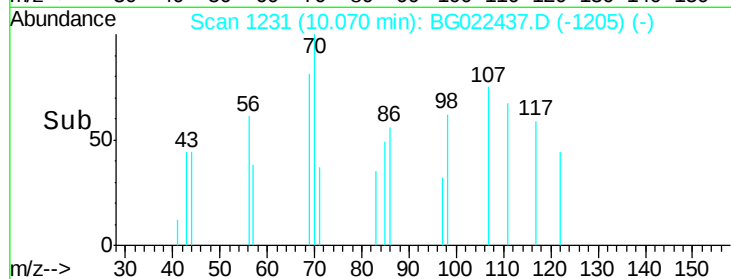
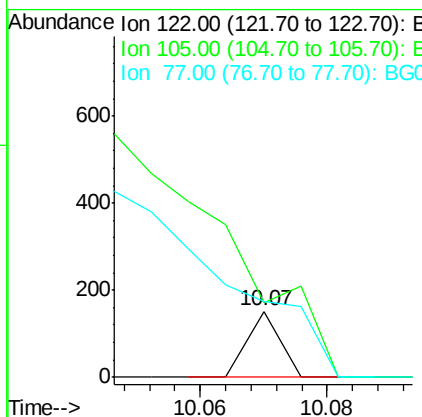
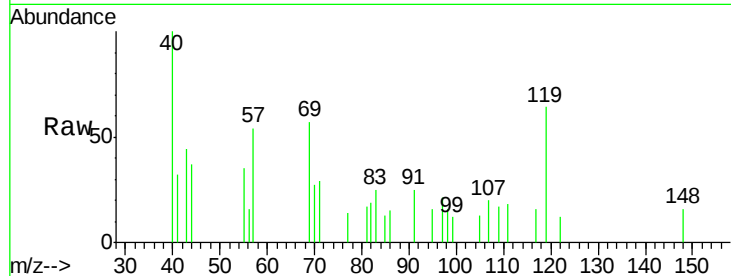




#32
Benzoic acid
Concen: 7.32 ng
RT: 10.07 min Scan# 1231
Delta R.T. -0.15 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

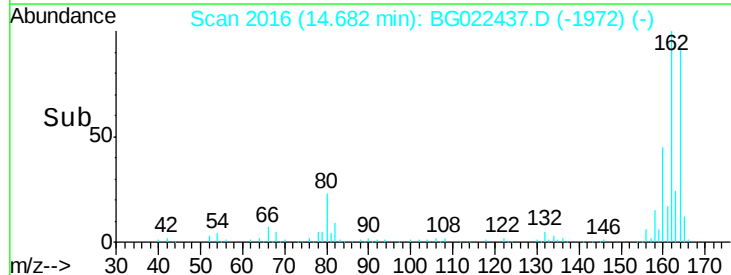
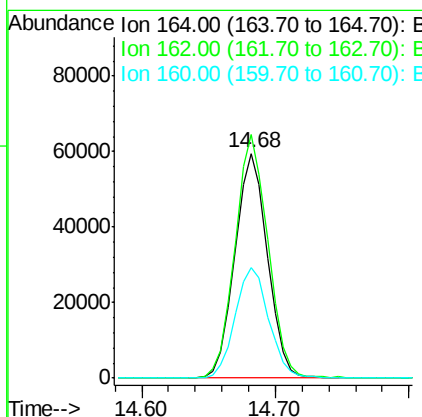
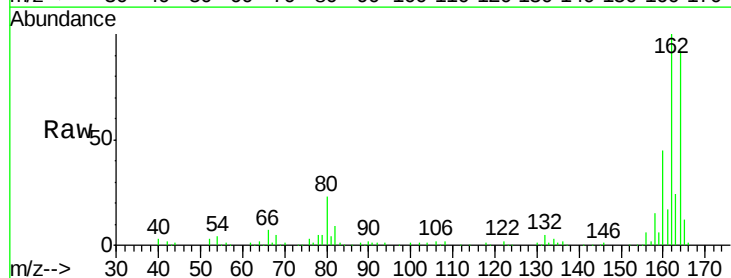
Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

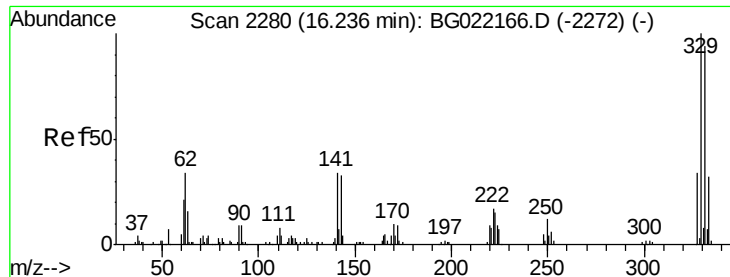
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 111.8 104.5 144.5
77 115.1 79.9 119.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 2016
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion:164 Resp: 100622
Ion Ratio Lower Upper
164 100
162 108.3 78.0 117.0
160 49.1 32.9 49.3





#41

2,4,6-Tribromophenol

Concen: 61.63 ng

RT: 16.17 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

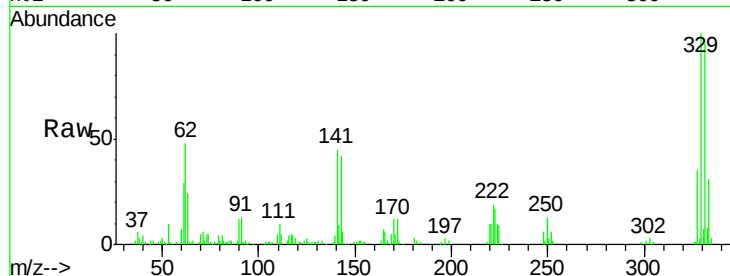
Tgt Ion:330 Resp: 70076

Ion Ratio Lower Upper

330 100

332 99.5 78.0 117.0

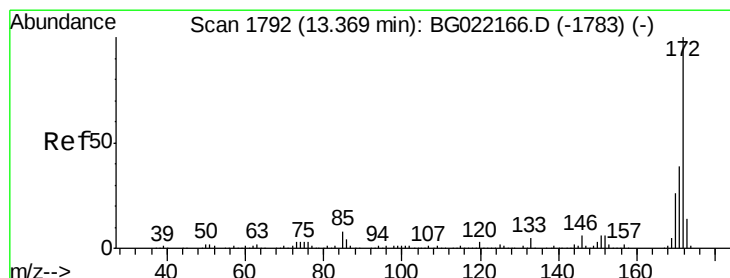
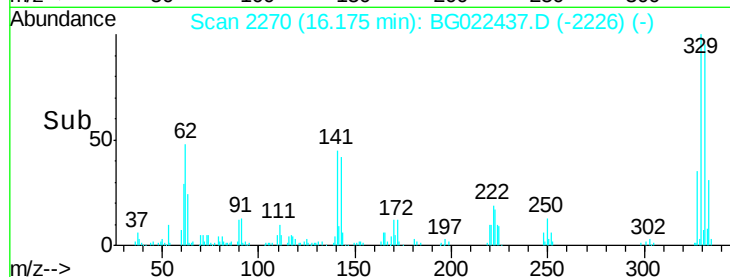
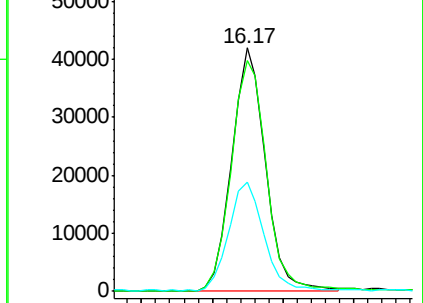
141 47.9 33.8 50.8



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: 57.55 ng

RT: 13.30 min Scan# 1781

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

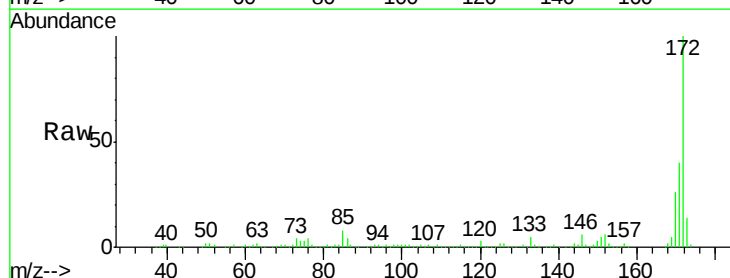
Tgt Ion:172 Resp: 379987

Ion Ratio Lower Upper

172 100

171 39.6 27.8 41.6

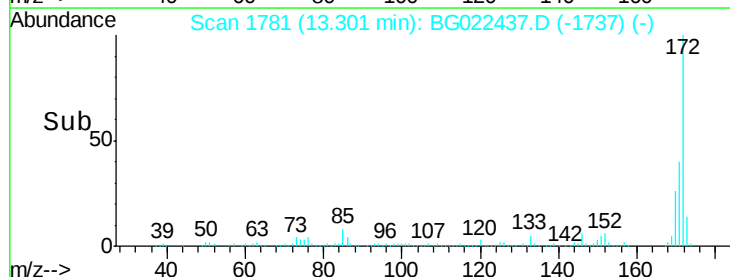
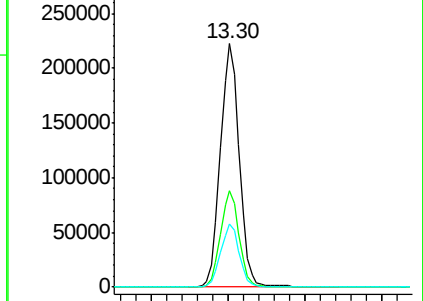
170 25.8 19.6 29.4

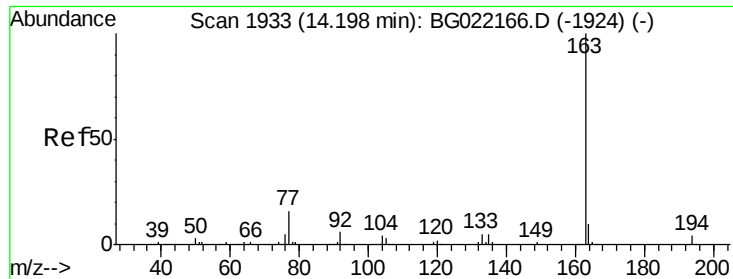


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

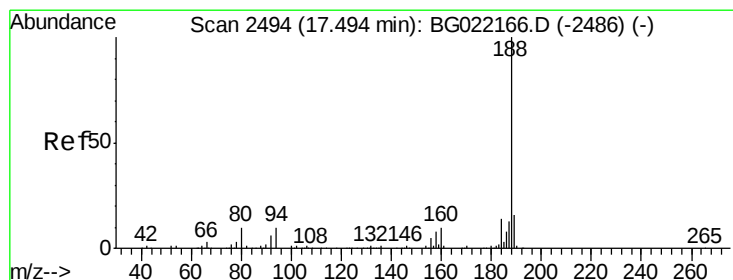
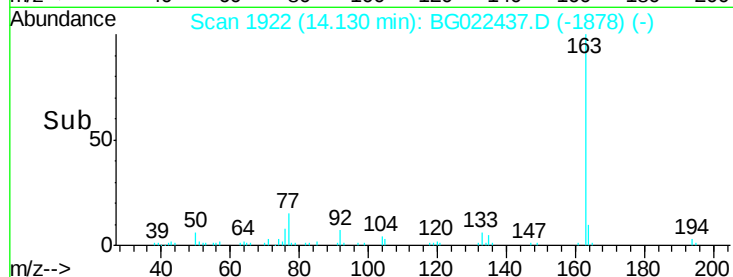
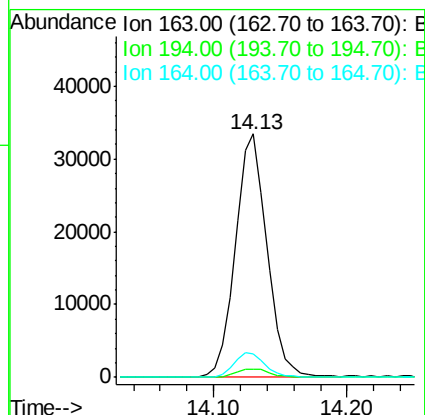
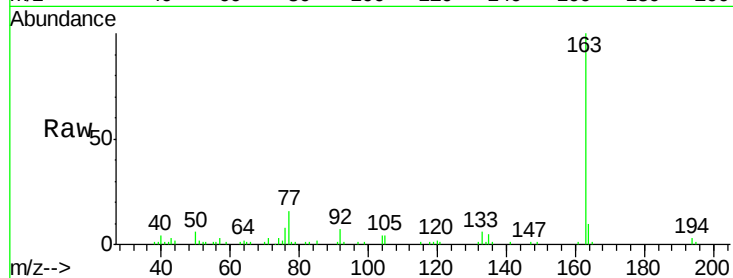




#49
Dimethylphthalate
Concen: 6.58 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

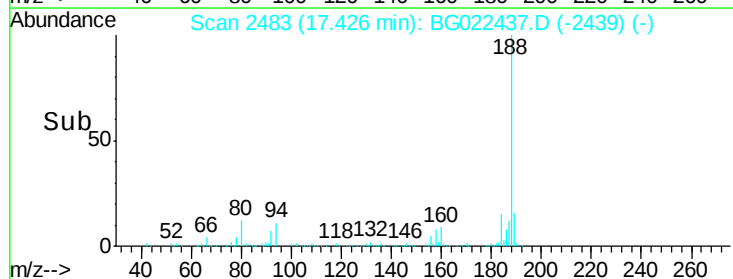
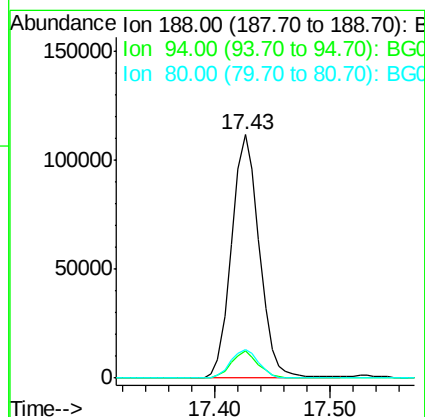
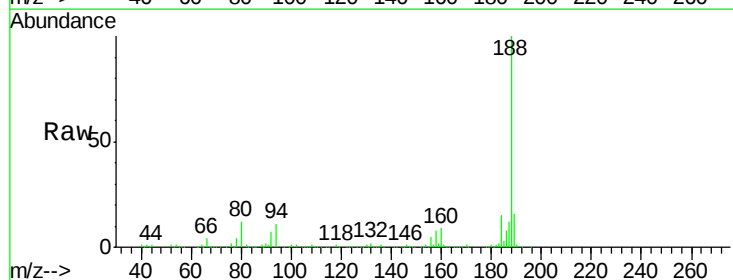
Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

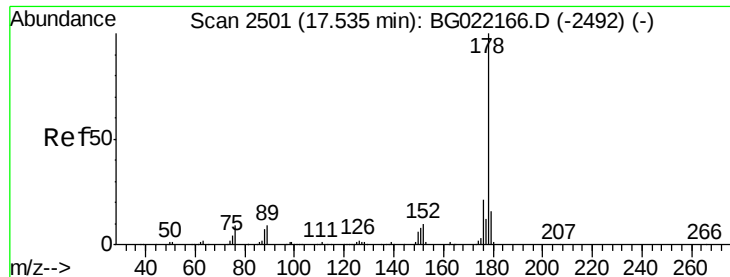
Tgt Ion:163 Resp: 54886
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.6
164 9.7 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion:188 Resp: 187408
Ion Ratio Lower Upper
188 100
94 11.2 7.5 11.3
80 11.9 8.6 13.0





#70

Phenanthrene

Concen: 3.01 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

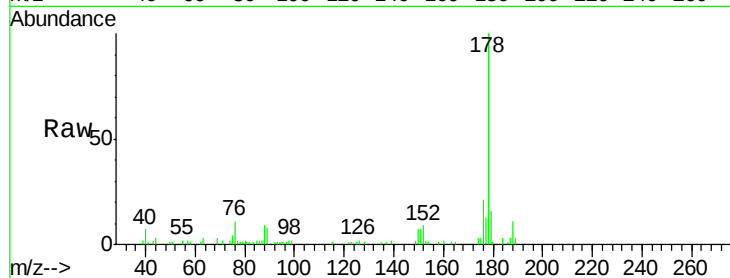
Tgt Ion:178 Resp: 30675

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

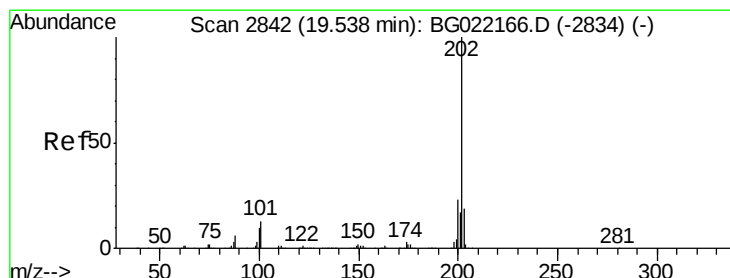
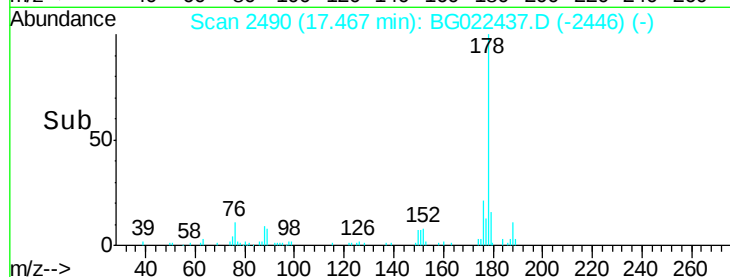
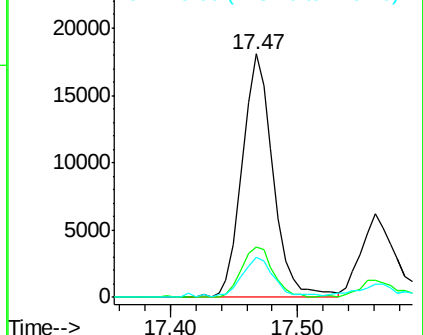
179 16.4 12.0 18.0



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: 8.32 ng

RT: 19.47 min Scan# 2831

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

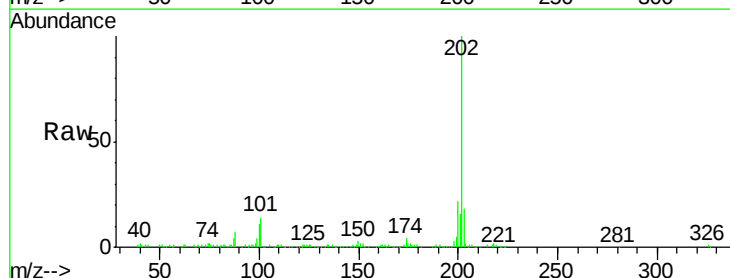
Tgt Ion:202 Resp: 97323

Ion Ratio Lower Upper

202 100

101 14.1 0.0 31.0

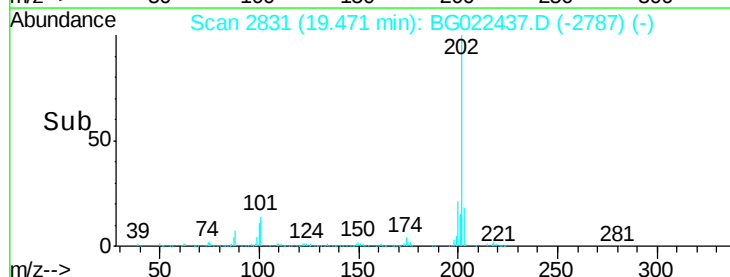
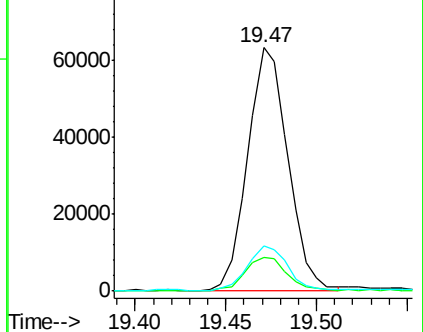
203 18.4 0.0 37.9

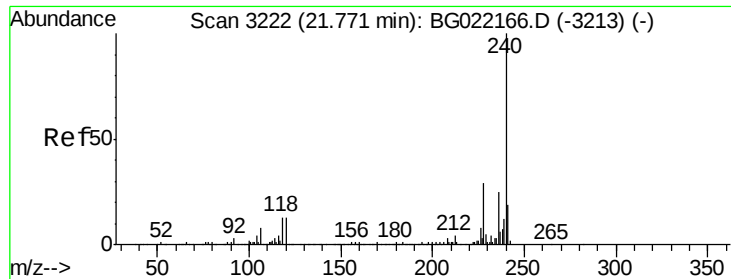


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.69 min Scan# 3209

Delta R.T. -0.05 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

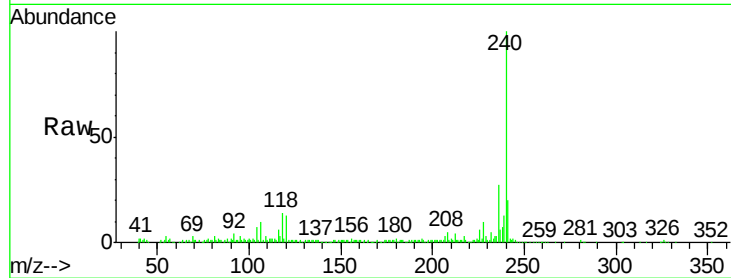
Tgt Ion:240 Resp: 148596

Ion Ratio Lower Upper

240 100

120 12.5 8.4 12.6

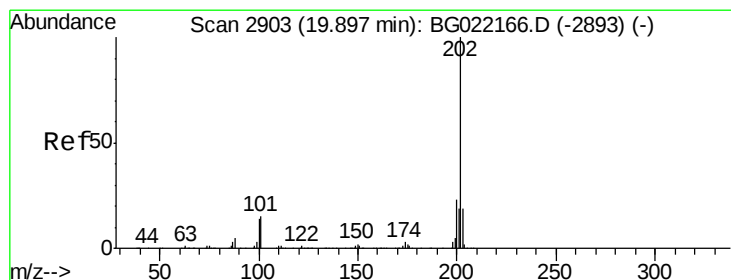
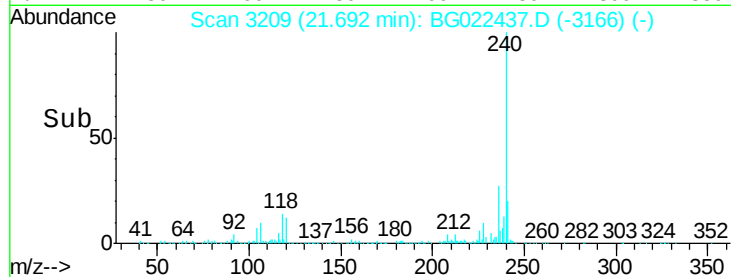
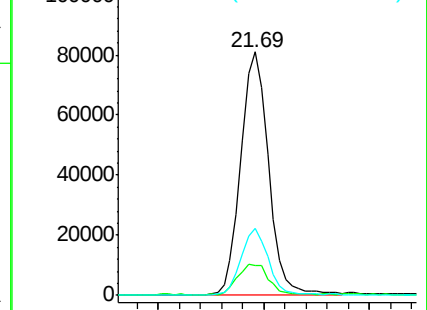
236 27.3 19.6 29.4



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: 9.63 ng

RT: 19.83 min Scan# 2893

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

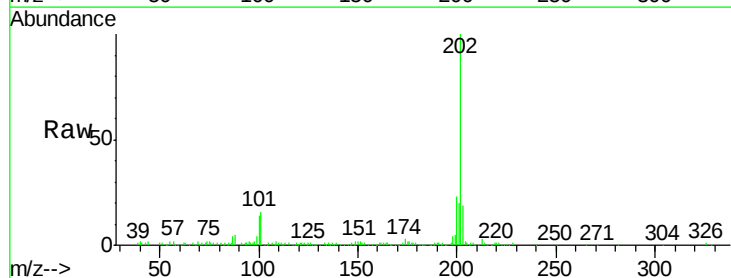
Tgt Ion:202 Resp: 88915

Ion Ratio Lower Upper

202 100

200 22.5 18.2 27.2

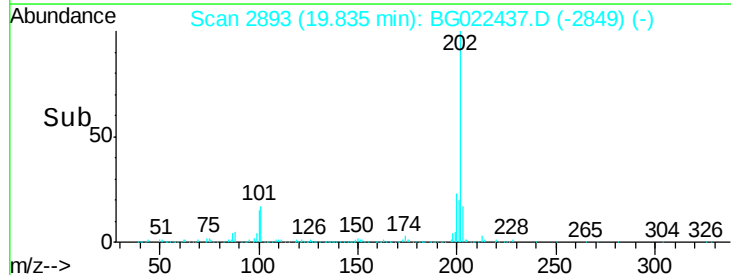
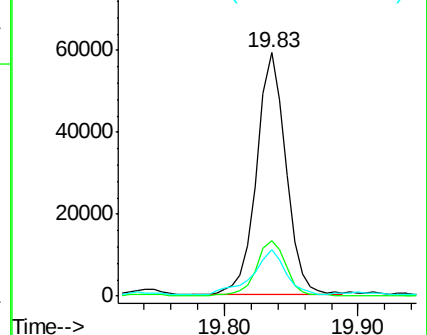
203 19.1 15.0 22.4

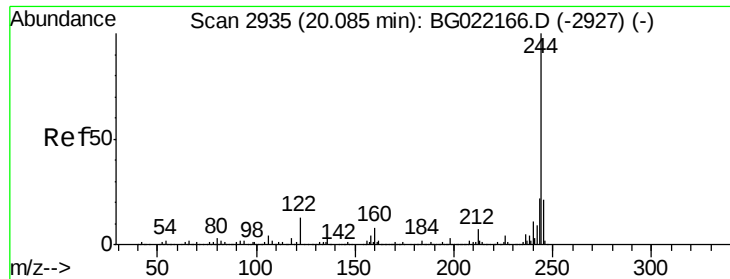


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.46 ng

RT: 20.02 min Scan# 2925

Delta R.T. -0.04 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

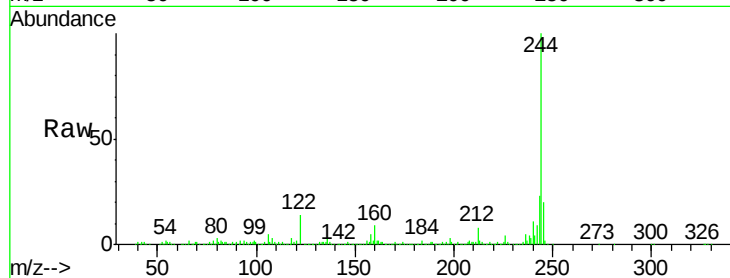
Tgt Ion:244 Resp: 322084

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

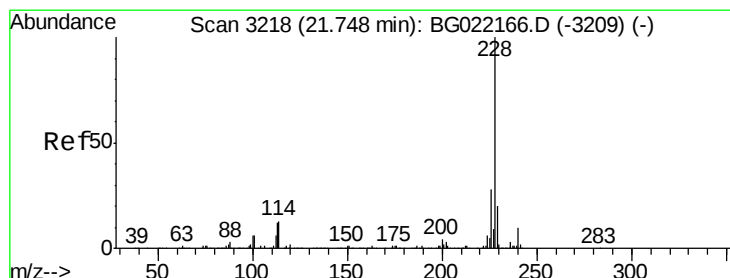
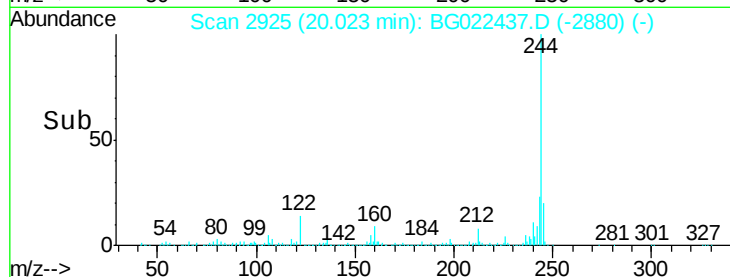
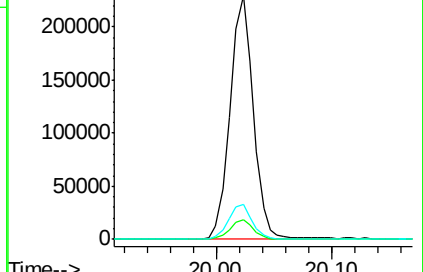
122 14.2 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 5.75 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.05 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

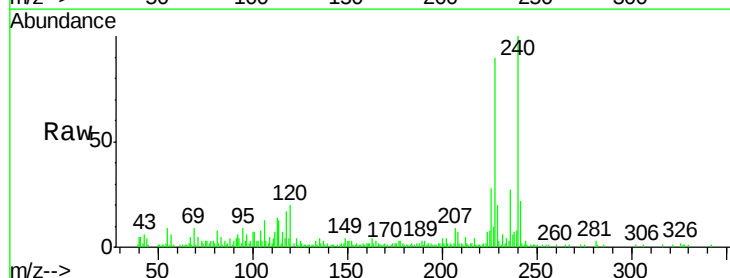
Tgt Ion:228 Resp: 47906

Ion Ratio Lower Upper

228 100

226 30.9 22.6 34.0

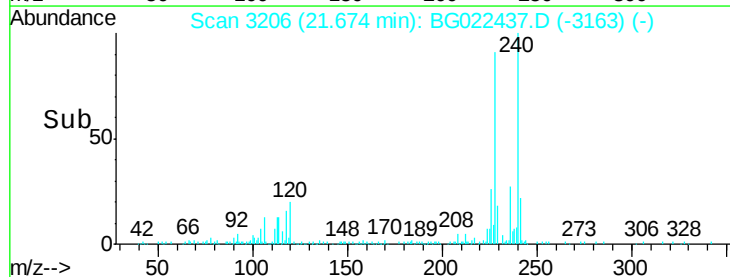
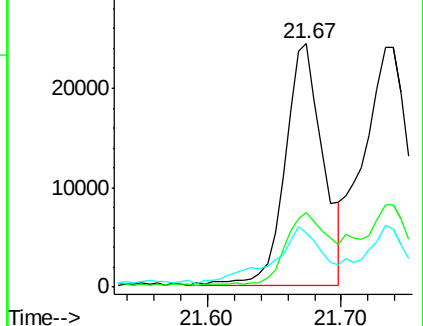
229 22.1 16.1 24.1

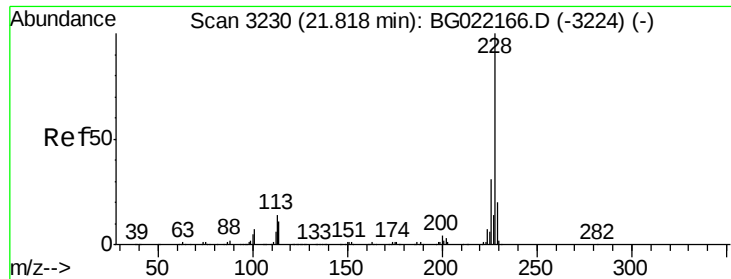


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.91 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.11 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

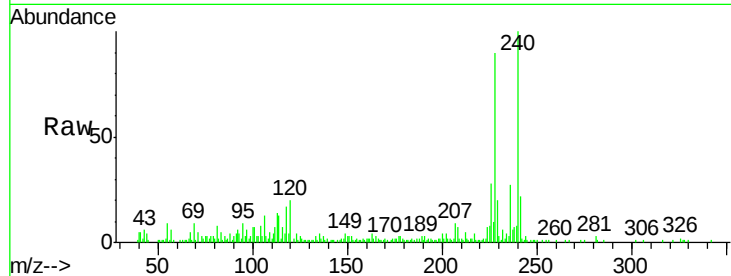
Tgt Ion:228 Resp: 47906

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

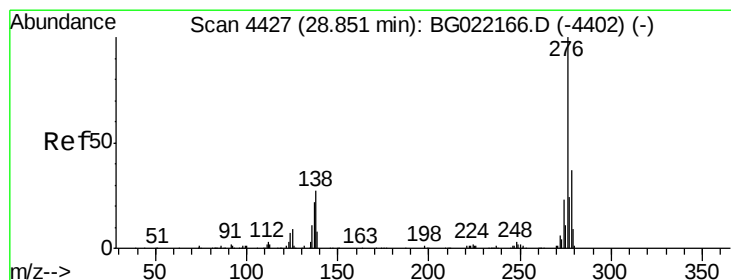
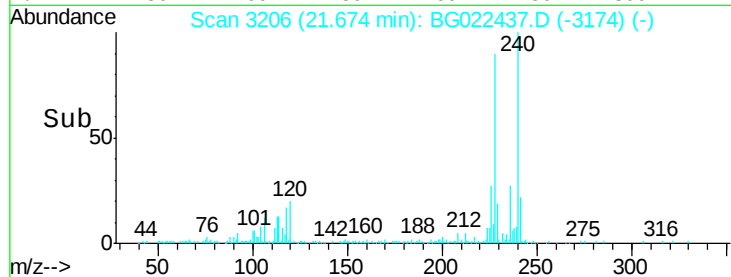
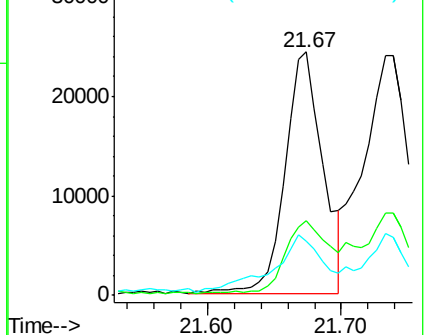
229 22.1 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.15 ng

RT: 28.65 min Scan# 4393

Delta R.T. -0.12 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

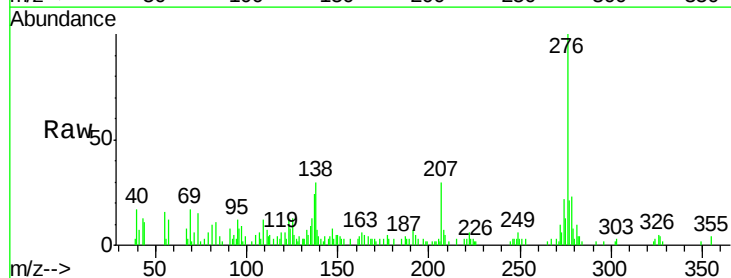
Tgt Ion:276 Resp: 37721

Ion Ratio Lower Upper

276 100

138 11.4 14.0 21.0#

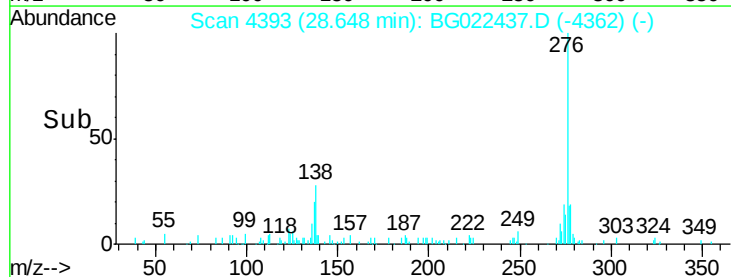
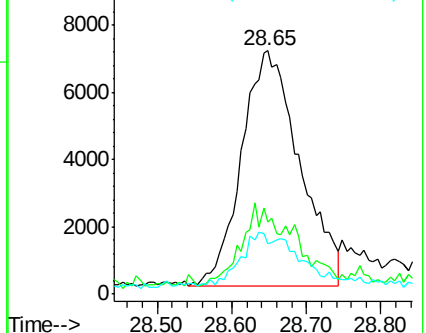
277 12.0 20.6 30.8#

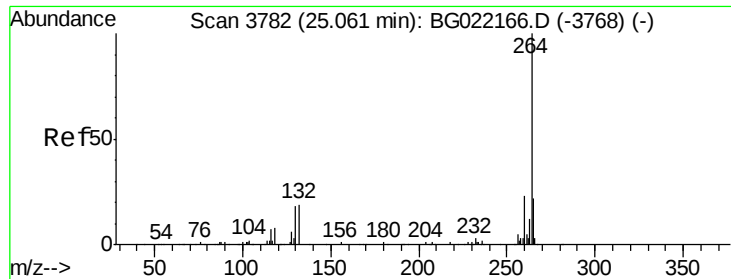


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

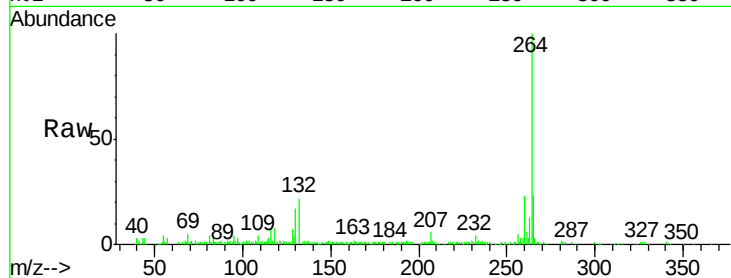




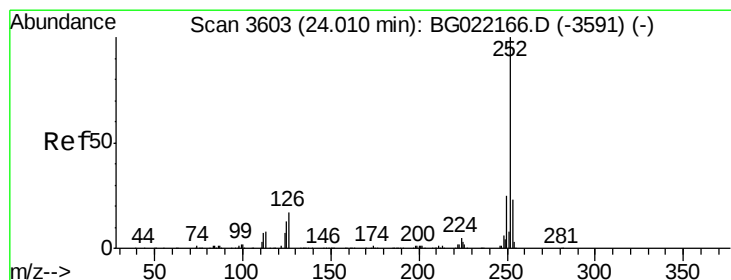
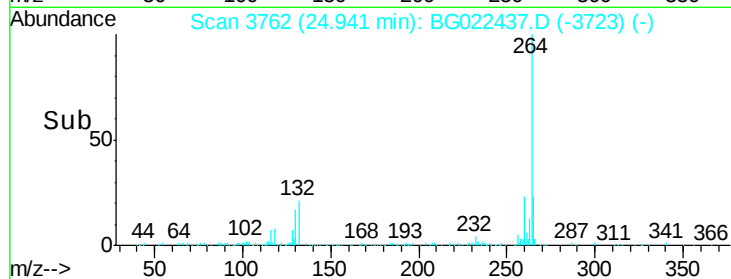
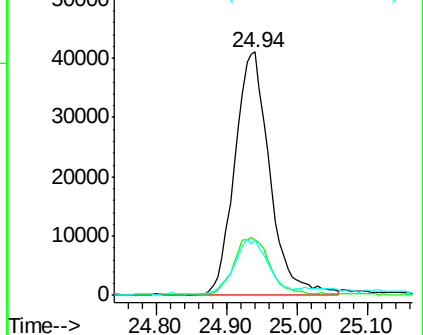
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.94 min Scan# 3762
Delta R.T. -0.07 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

Tgt Ion:264 Resp: 142118
Ion Ratio Lower Upper
264 100
260 22.8 20.2 30.4
265 22.7 17.8 26.8

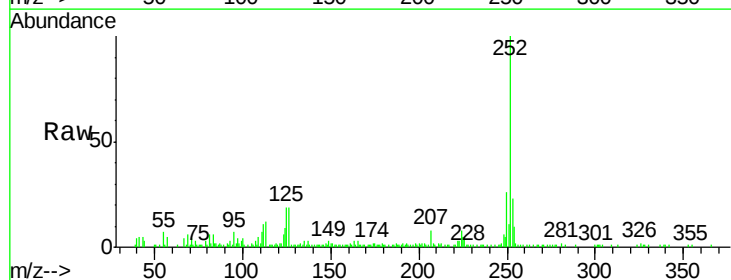


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

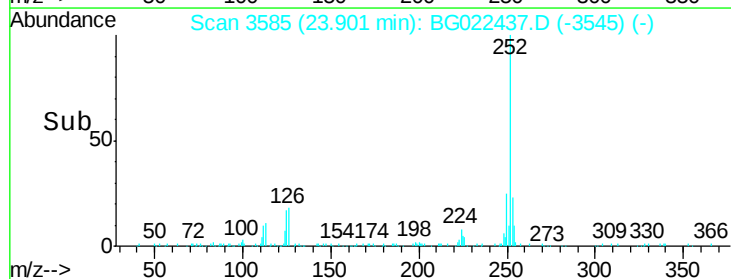
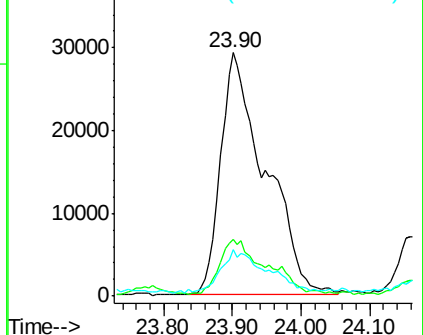


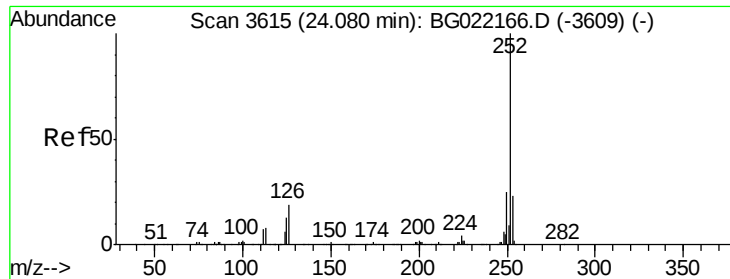
#87
Benzo(b)fluoranthene
Concen: 15.86 ng
RT: 23.90 min Scan# 3585
Delta R.T. -0.07 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion:252 Resp: 131438
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 19.2 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

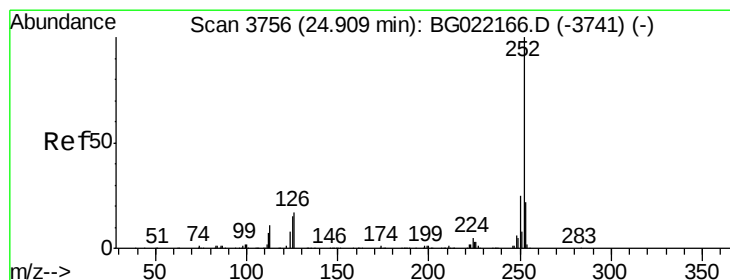
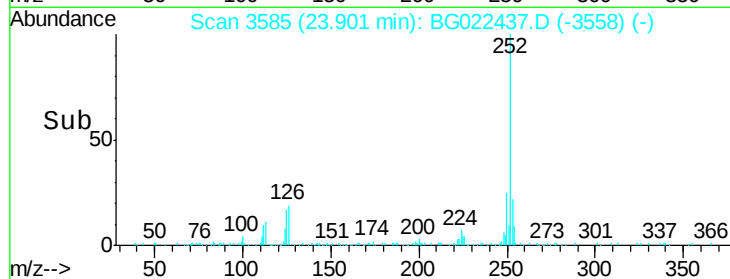
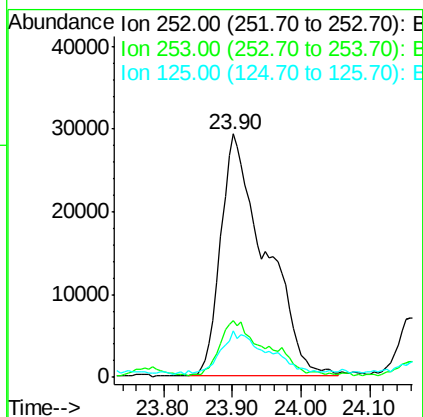
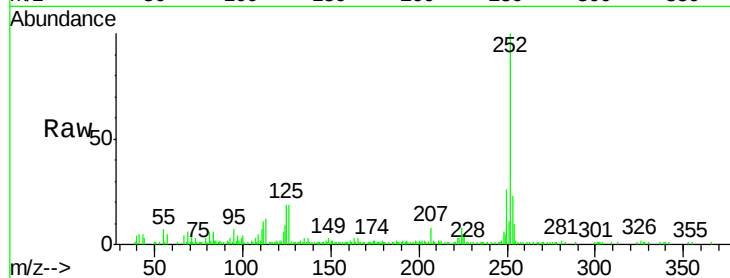




#88
Benzo(k)fluoranthene
Concen: 16.11 ng
RT: 23.90 min Scan# 3585
Delta R.T. -0.14 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

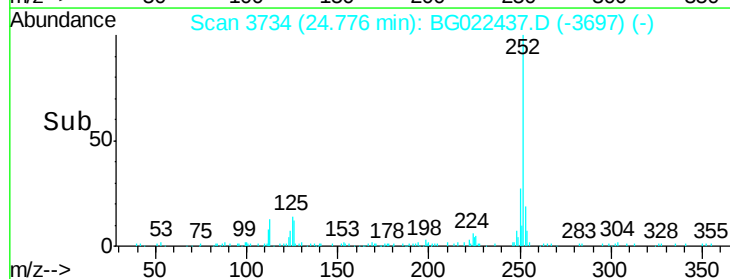
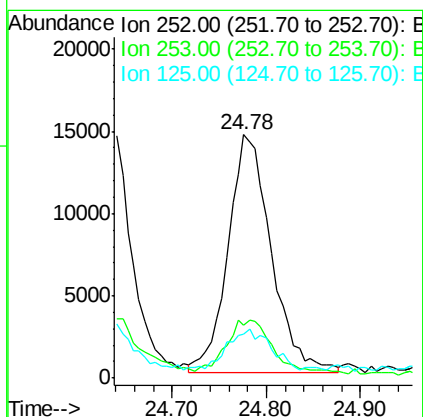
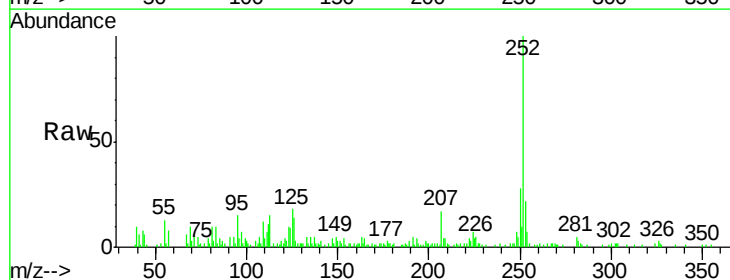
Instrument :
BNA_G
ClientSampleId :
STA-1160-(0-4)

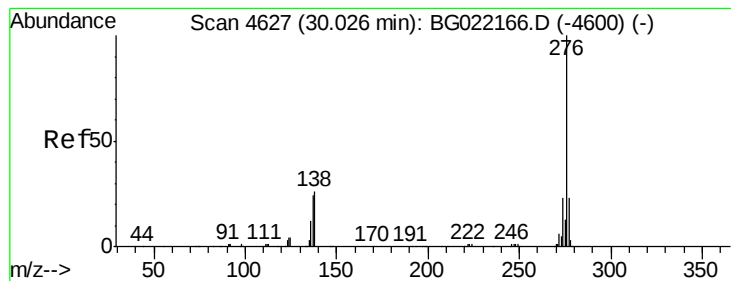
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	19.2	8.3	12.5#



#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 24.78 min Scan# 3734
Delta R.T. -0.08 min
Lab File: BG022437.D
Acq: 18 Jun 2016 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	18.1	9.6	14.4#





#91

Benzo(g,h,i)perylene

Concen: 4.22 ng

RT: 29.81 min Scan# 4590

Delta R.T. -0.14 min

Lab File: BG022437.D

Acq: 18 Jun 2016 23:58

Instrument :

BNA_G

ClientSampleId :

STA-1160-(0-4)

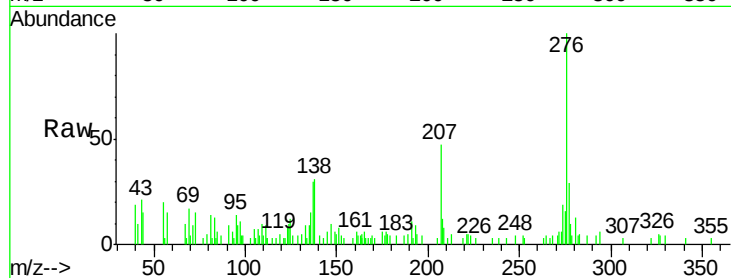
Tgt Ion: 276 Resp: 32780

Ion Ratio Lower Upper

276 100

277 29.0 19.4 29.2

138 31.4 17.4 26.0#



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

