

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023168.D
 Acq On : 18 Jul 2016 21:16
 Operator : UM/SJ
 Sample : H4044-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(0-6)C

Quant Time: Jul 19 13:43:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 01:16:03 2016
 Response via : Initial Calibration

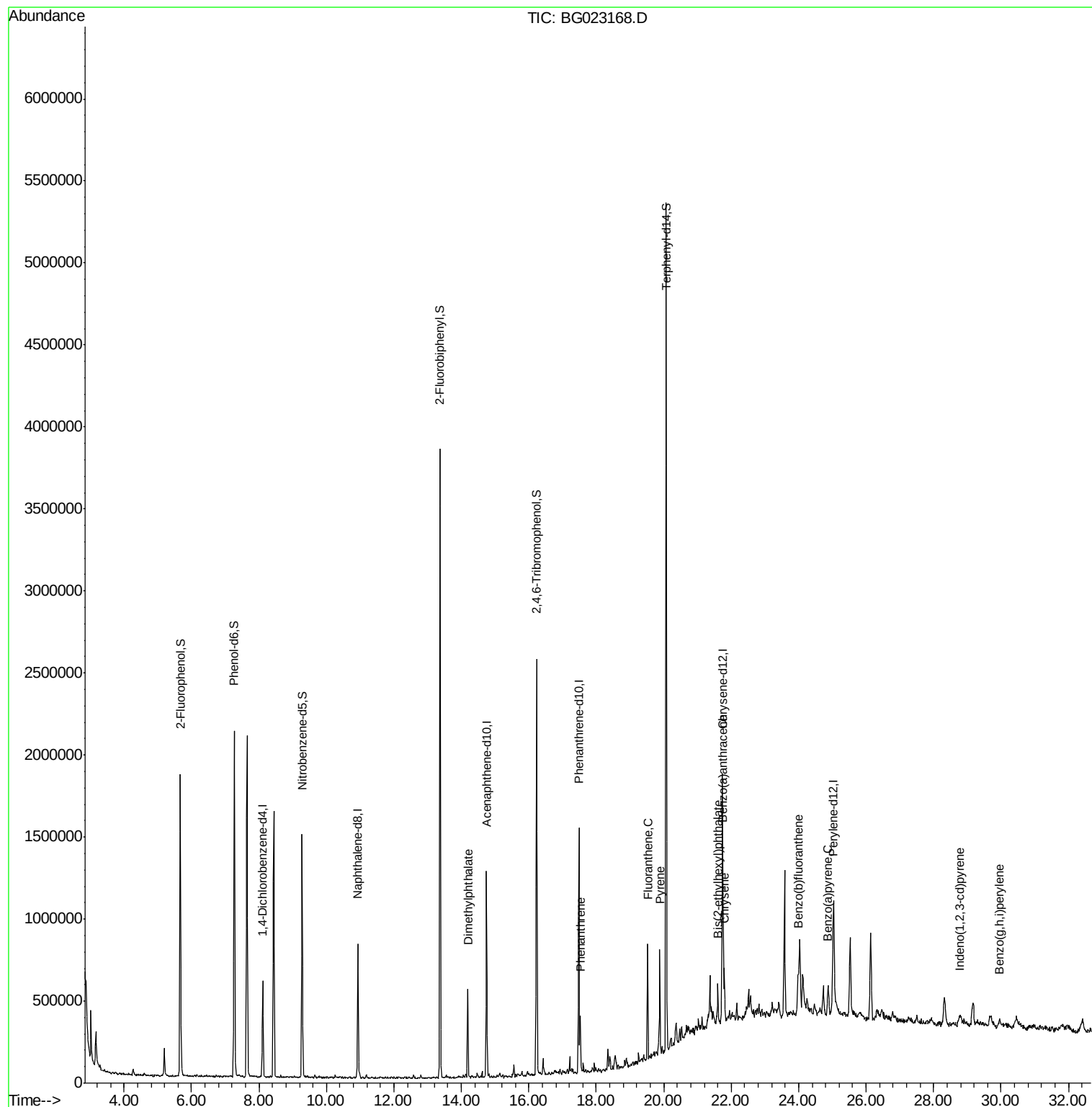
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	145536	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	645644	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	425181	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	886289	20.00	ng	0.00
75) Chrysene-d12	21.75	240	872549	20.00	ng	0.00
86) Perylene-d12	25.04	264	866187	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	778457	87.48	ng	-0.01
7) Phenol-d6	7.27	99	1182707	84.86	ng	-0.01
23) Nitrobenzene-d5	9.28	82	982212	65.14	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	441664	57.80	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	1814212	67.21	ng	0.00
78) Terphenyl-d14	20.07	244	2101068	72.04	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	342542	9.86	ng	99
70) Phenanthrene	17.53	178	202063	4.65	ng	95
74) Fluoranthene	19.52	202	426332	8.00	ng	94
77) Pyrene	19.88	202	398175	8.12	ng	93
80) Benzo(a)anthracene	21.73	228	230282	4.72	ng	94
82) Chrysene	21.79	228	235672	5.15	ng	100
83) Bis(2-ethylhexyl)phthalate	21.60	149	92901m	3.44	ng	
85) Indeno(1,2,3-cd)pyrene	28.78	276	120438	2.06	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	370132	7.41	ng	# 94
89) Benzo(a)pyrene	24.88	252	214385	4.48	ng	# 96
91) Benzo(g,h,i)perylene	29.95	276	106353	2.23	ng	# 74

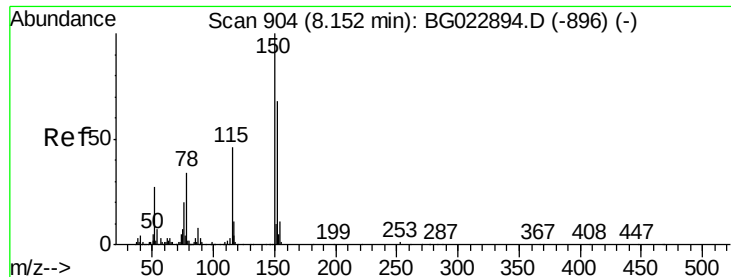
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

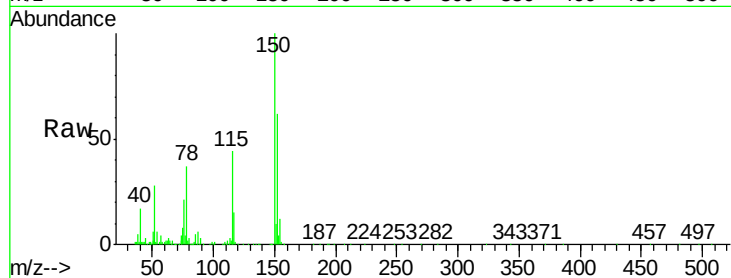
Tgt Ion:152 Resp: 145536

Ion Ratio Lower Upper

152 100

150 161.5 144.7 217.1

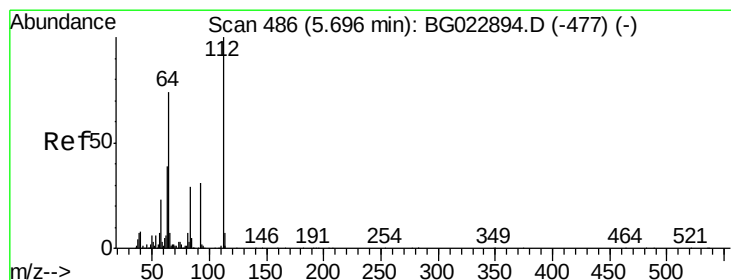
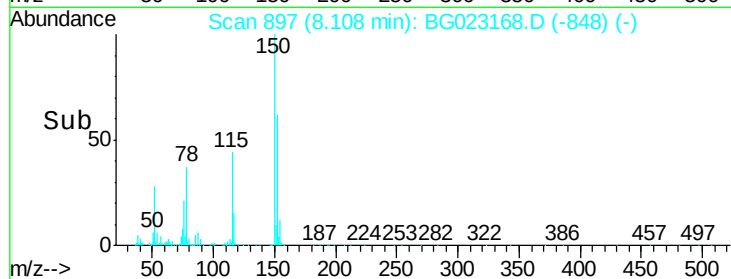
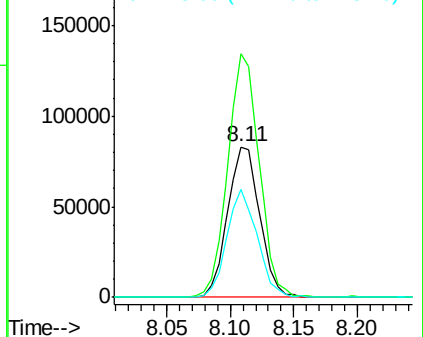
115 71.5 64.0 96.0



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: 87.48 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

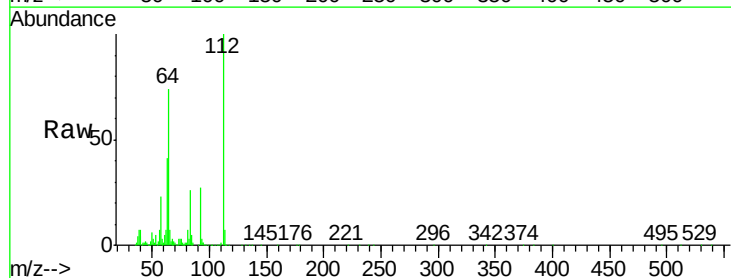
Tgt Ion:112 Resp: 778457

Ion Ratio Lower Upper

112 100

64 74.2 59.0 88.4

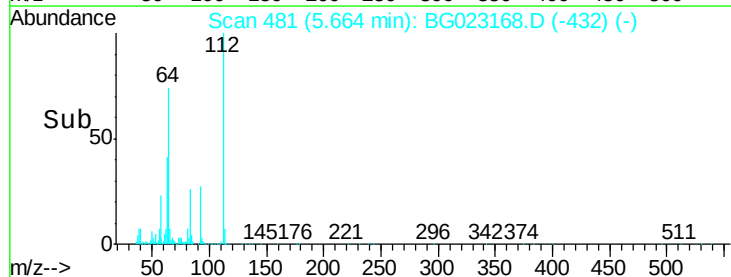
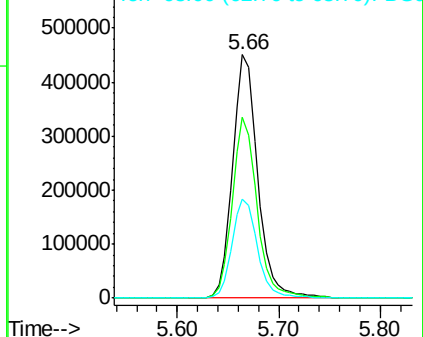
63 40.5 37.8 56.8

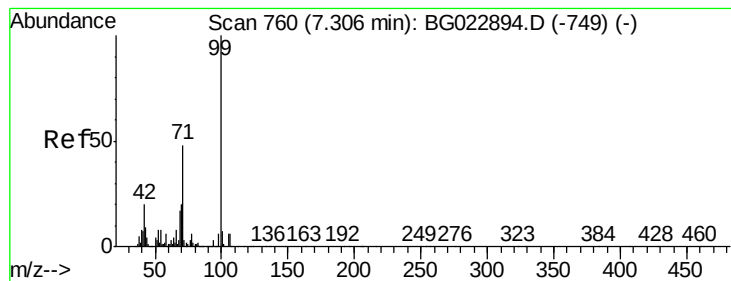


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 84.86 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

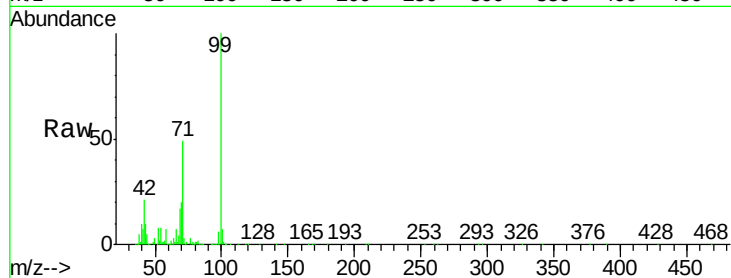
Tgt Ion: 99 Resp: 1182707

Ion Ratio Lower Upper

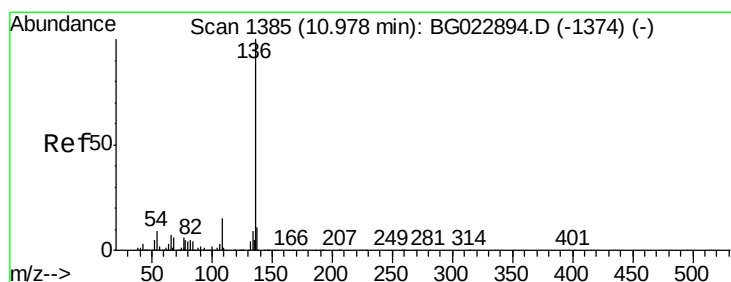
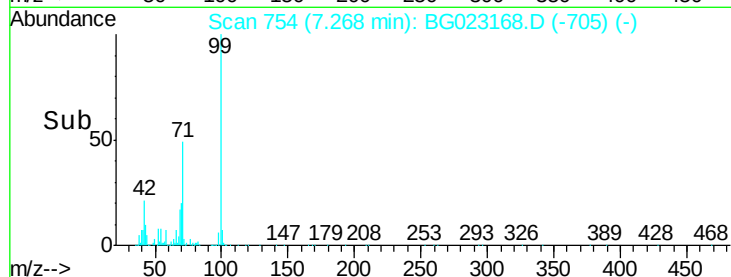
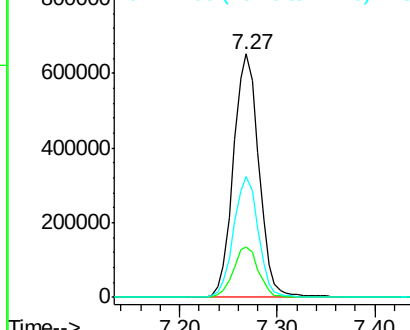
99 100

42 20.9 17.8 26.6

71 49.4 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Tgt Ion: 136 Resp: 645644

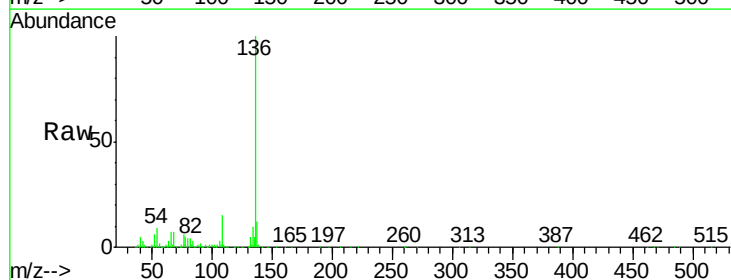
Ion Ratio Lower Upper

136 100

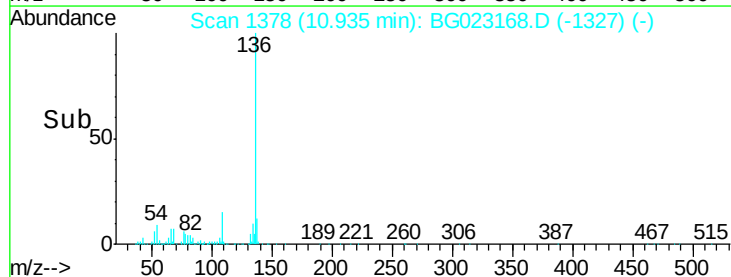
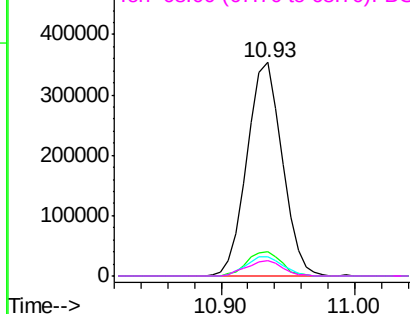
137 11.7 9.6 14.4

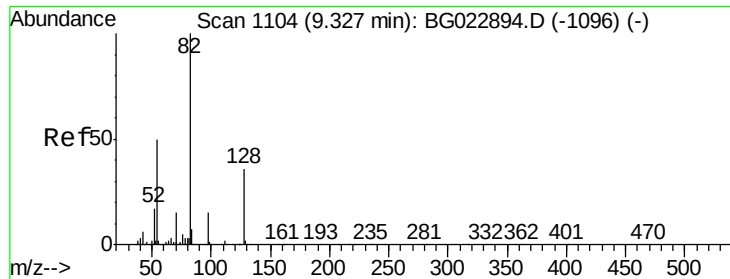
54 8.8 7.3 10.9

68 7.1 5.3 7.9



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

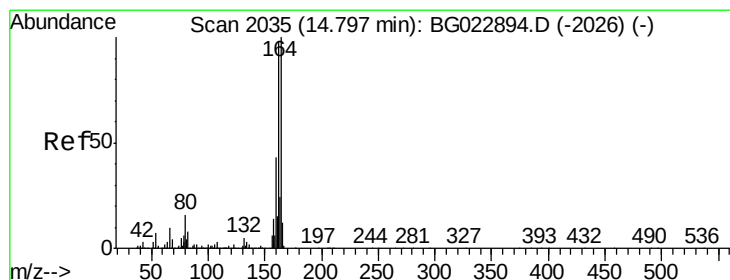
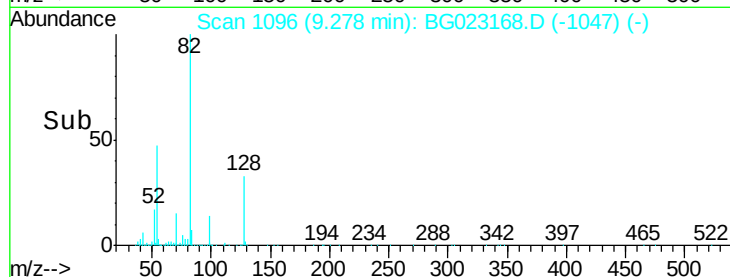
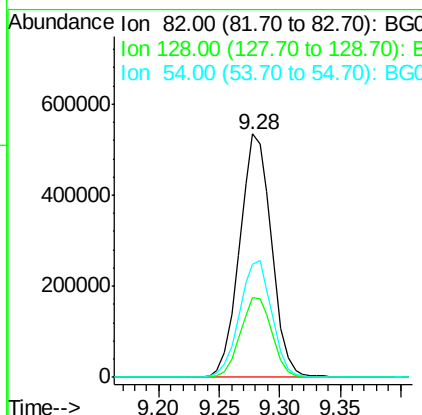
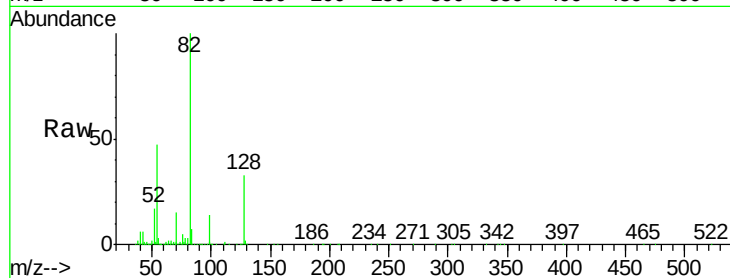




#23
 Nitrobenzene-d5
 Concen: 65.14 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

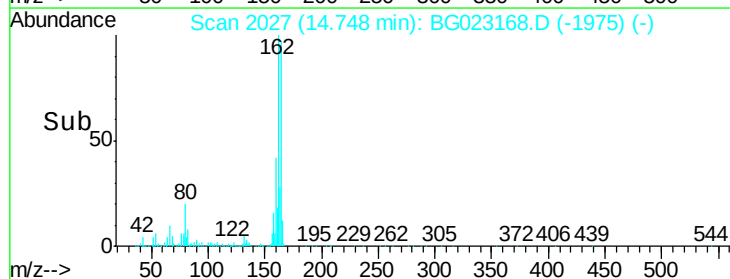
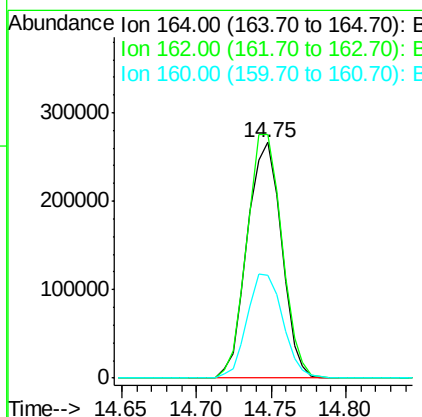
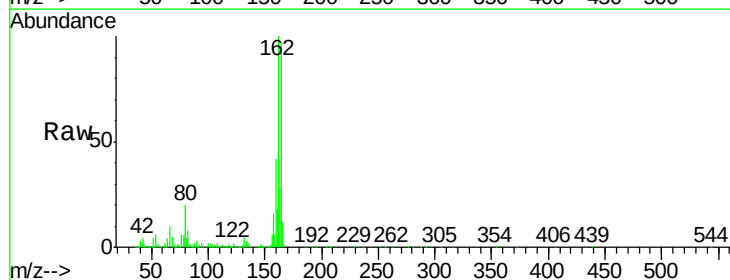
Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(0-6)C

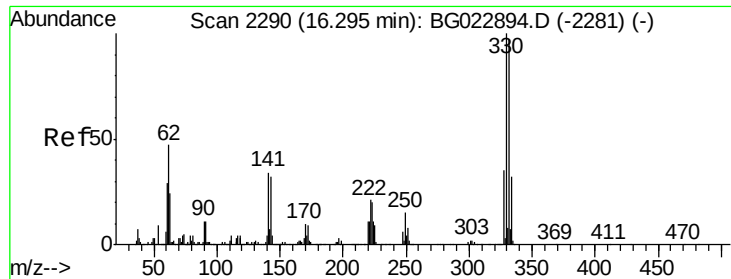
Tgt Ion: 82 Resp: 982212
 Ion Ratio Lower Upper
 82 100
 128 32.6 24.4 36.6
 54 46.5 41.4 62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

Tgt Ion: 164 Resp: 425181
 Ion Ratio Lower Upper
 164 100
 162 103.3 87.7 131.5
 160 43.8 37.2 55.8

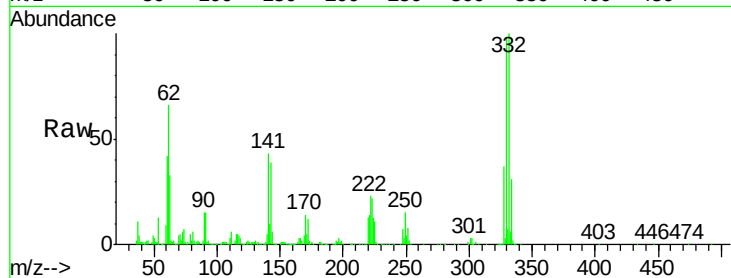




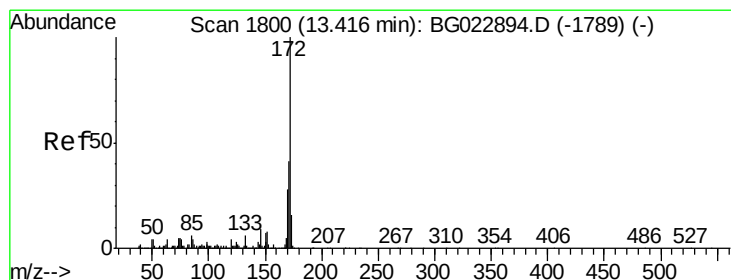
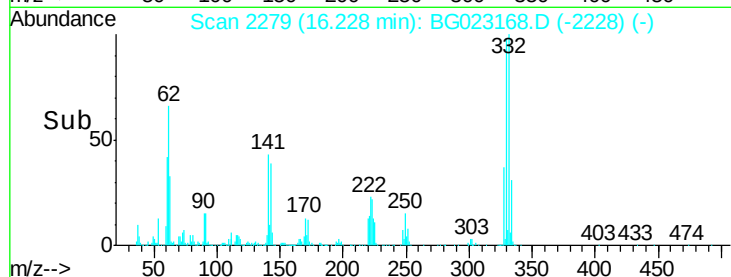
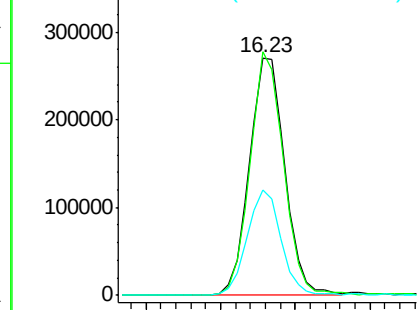
#41
 2,4,6-Tribromophenol
 Concen: 57.80 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(0-6)C

Tgt Ion:330 Resp: 441664
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 43.0 31.7 47.5

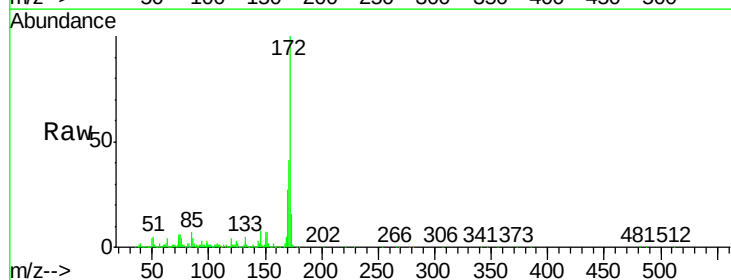


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

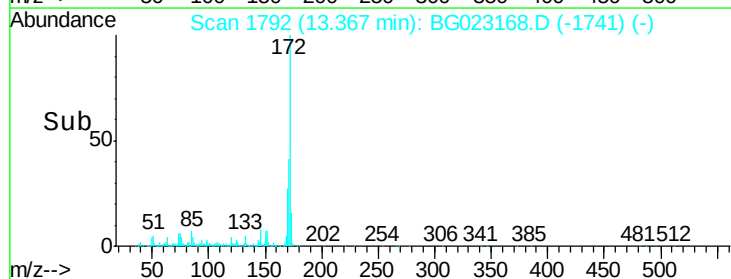
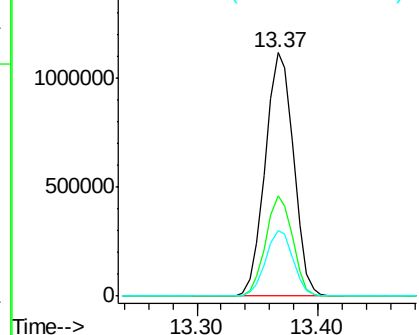


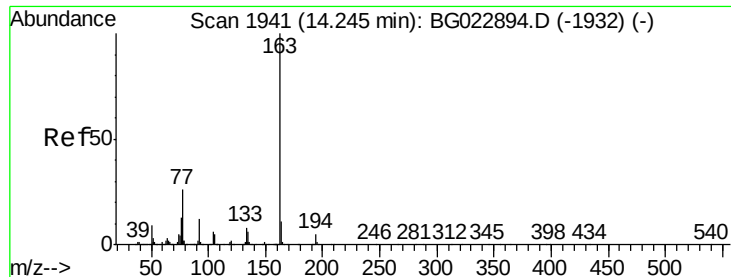
#44
 2-Fluorobiphenyl
 Concen: 67.21 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

Tgt Ion:172 Resp: 1814212
 Ion Ratio Lower Upper
 172 100
 171 41.0 31.6 47.4
 170 27.0 21.3 31.9



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: 9.86 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

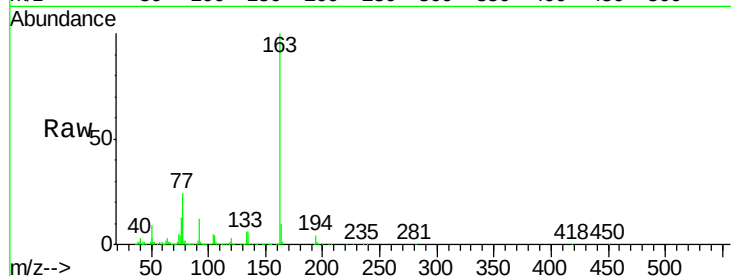
Tgt Ion:163 Resp: 342542

Ion Ratio Lower Upper

163 100

194 3.7 3.6 5.4

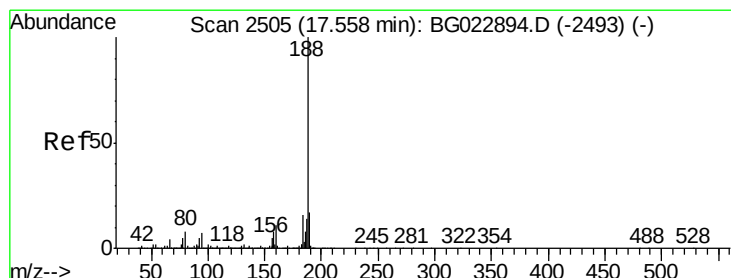
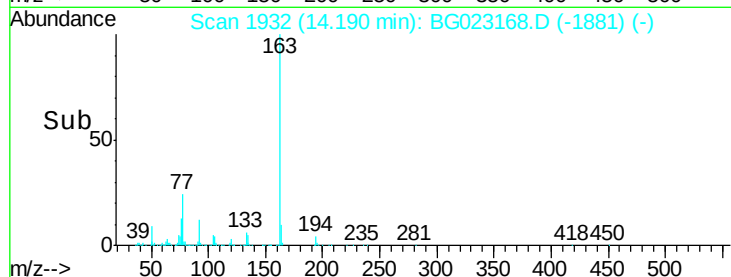
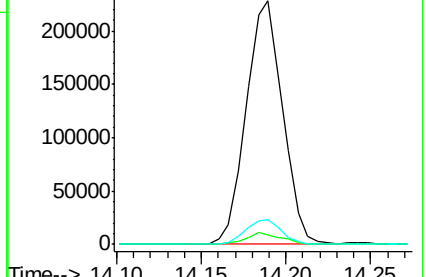
164 10.4 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

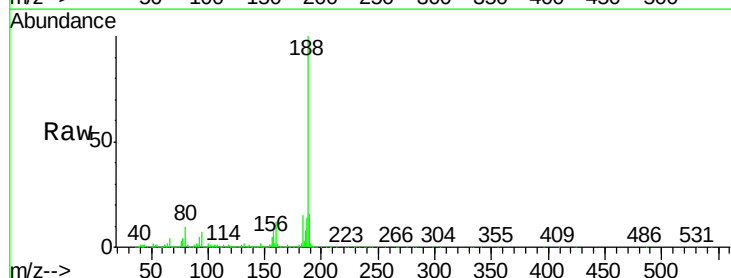
Tgt Ion:188 Resp: 886289

Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

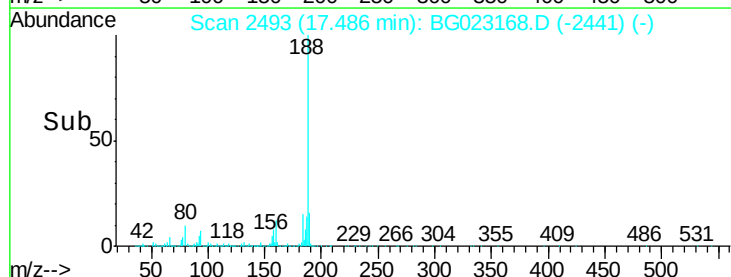
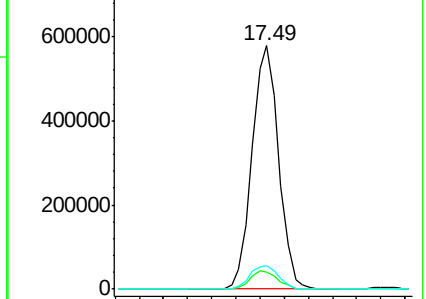
80 9.8 7.2 10.8

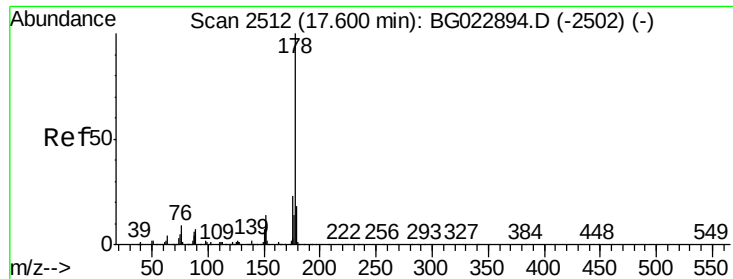


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.65 ng

RT: 17.53 min Scan# 2500

Delta R.T. 0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

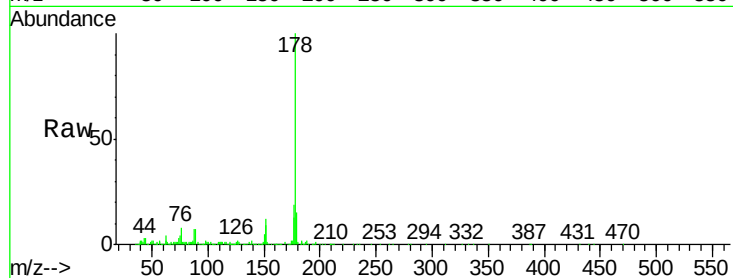
Tgt Ion:178 Resp: 202063

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

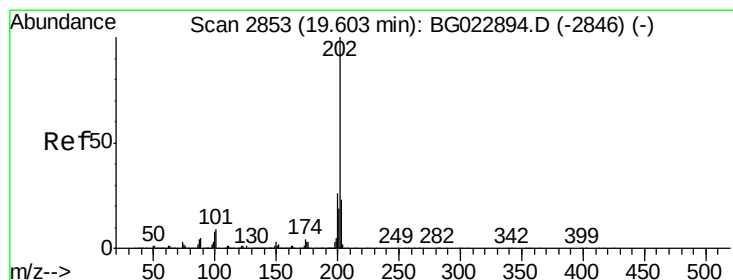
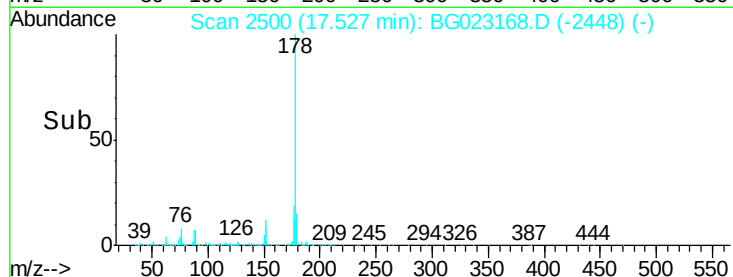
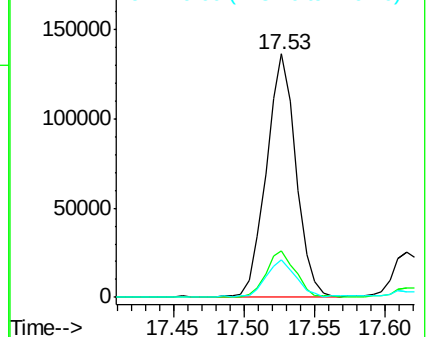
179 15.3 14.3 21.5



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: 8.00 ng

RT: 19.52 min Scan# 2840

Delta R.T. 0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

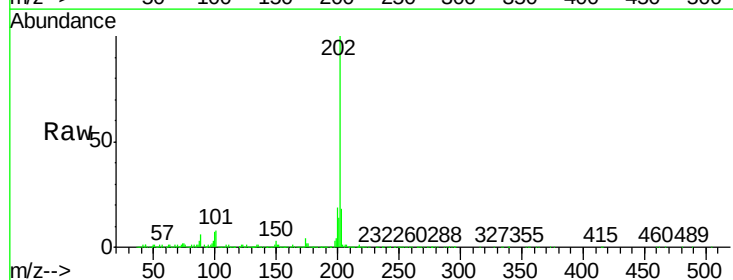
Tgt Ion:202 Resp: 426332

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.4

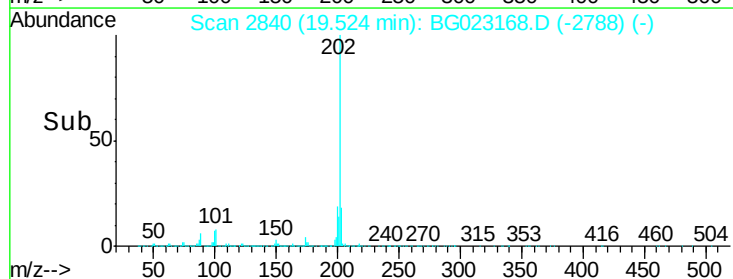
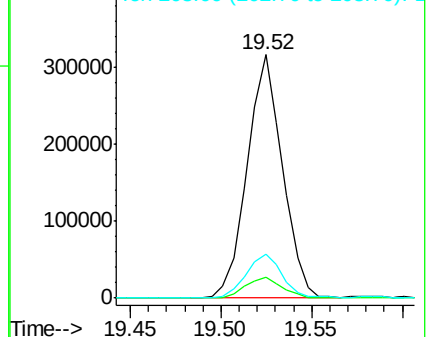
203 18.2 1.7 41.7

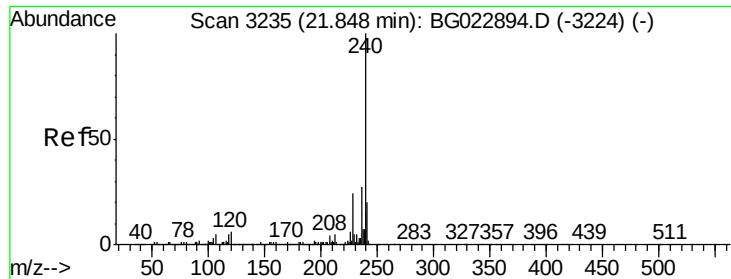


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.75 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

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ClientSampleId :

E9-B2(0-6)C

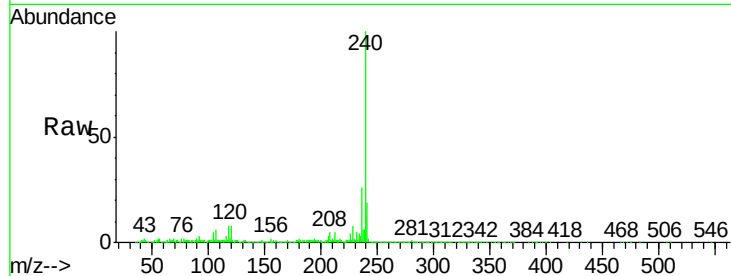
Tgt Ion:240 Resp: 872549

Ion Ratio Lower Upper

240 100

120 7.6 4.1 6.1#

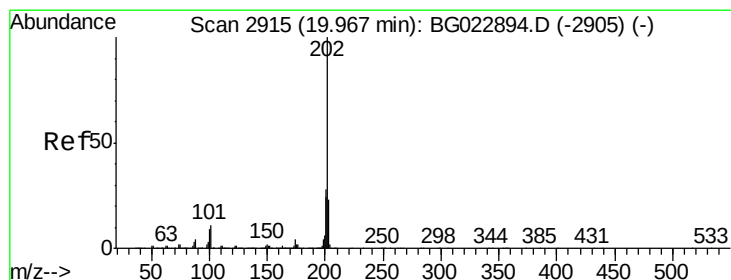
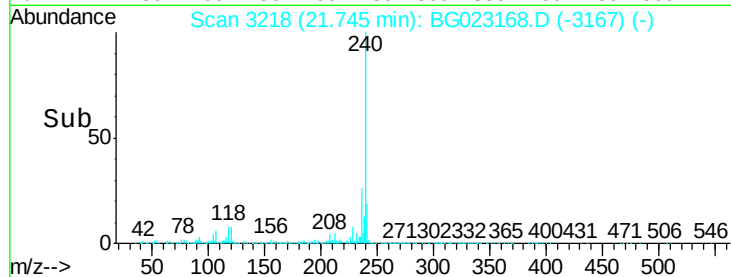
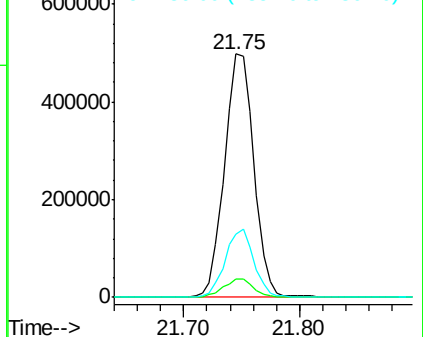
236 25.7 21.1 31.7



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: 8.12 ng

RT: 19.88 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

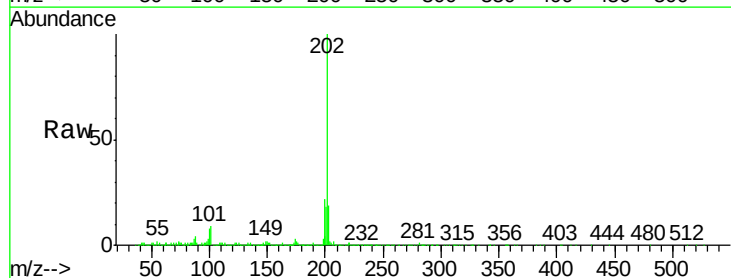
Tgt Ion:202 Resp: 398175

Ion Ratio Lower Upper

202 100

200 21.9 21.2 31.8

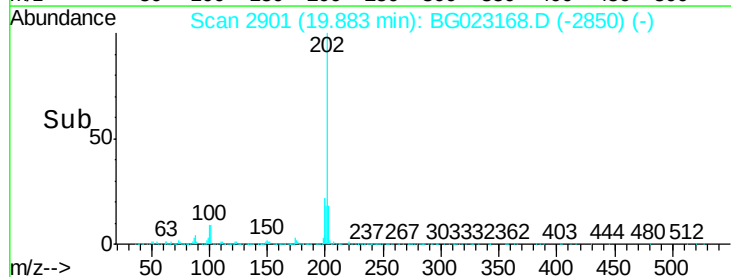
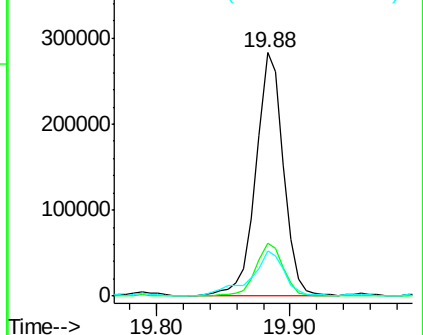
203 18.6 16.8 25.2

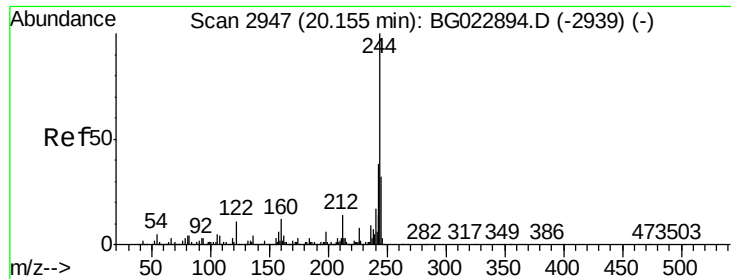


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

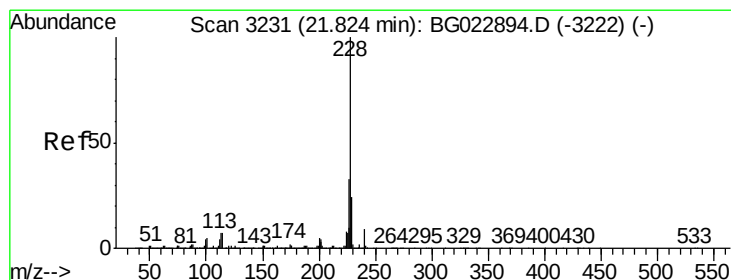
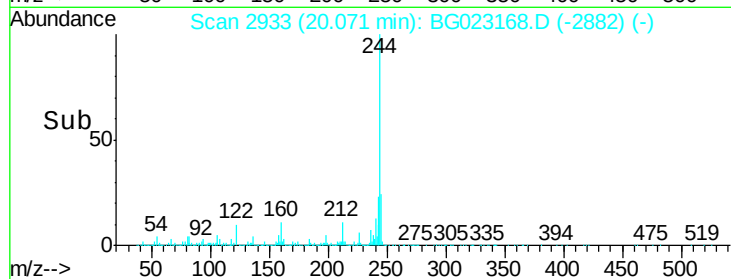
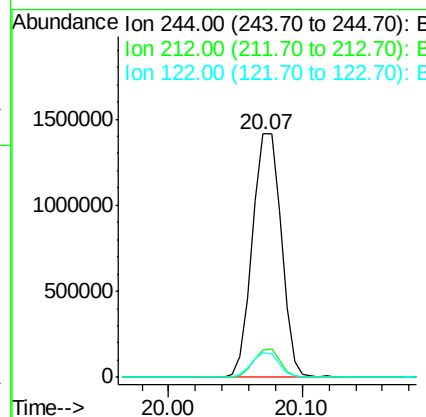
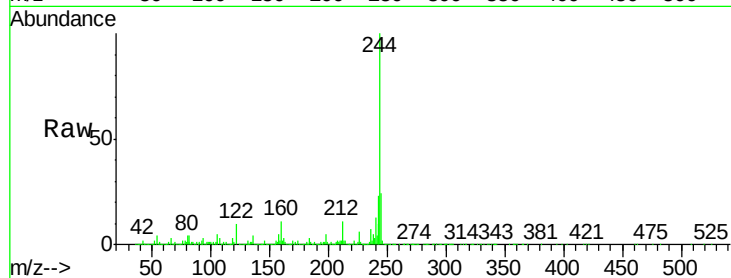




#78
 Terphenyl-d14
 Concen: 72.04 ng
 RT: 20.07 min Scan# 2933
 Delta R.T. -0.00 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

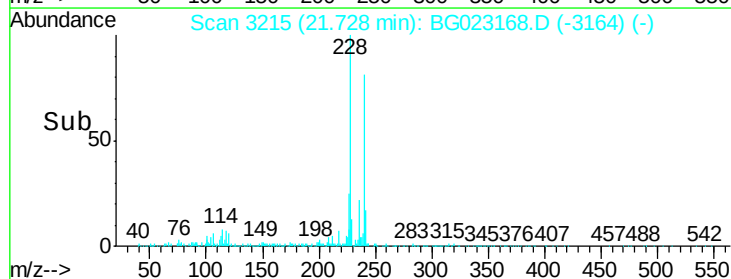
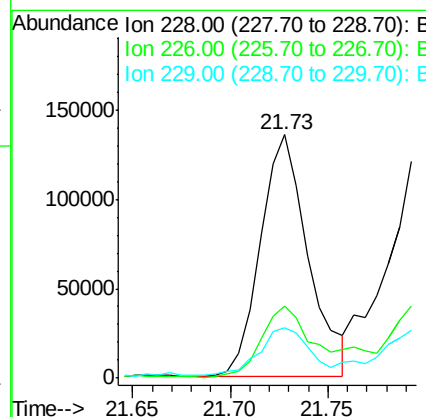
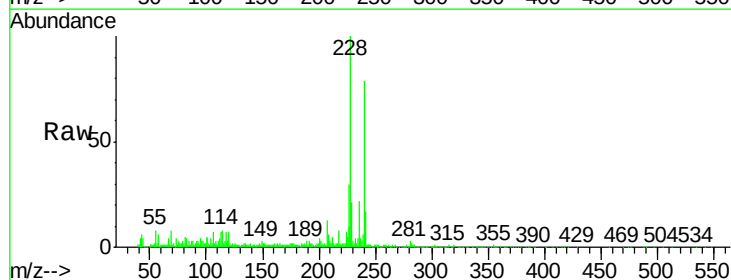
Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(0-6)C

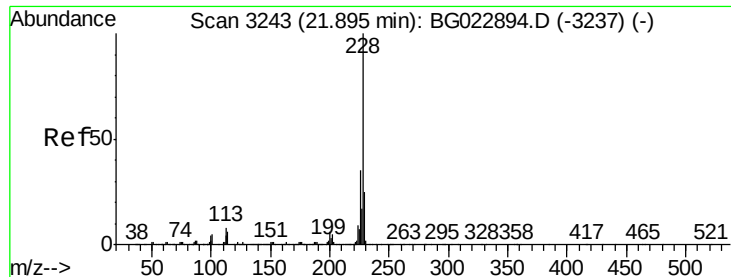
Tgt Ion:244 Resp: 2101068
 Ion Ratio Lower Upper
 244 100
 212 11.4 10.8 16.2
 122 10.4 8.0 12.0



#80
 Benzo(a)anthracene
 Concen: 4.72 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.00 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

Tgt Ion:228 Resp: 230282
 Ion Ratio Lower Upper
 228 100
 226 29.8 25.3 37.9
 229 20.6 19.9 29.9





#82

Chrysene

Concen: 5.15 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

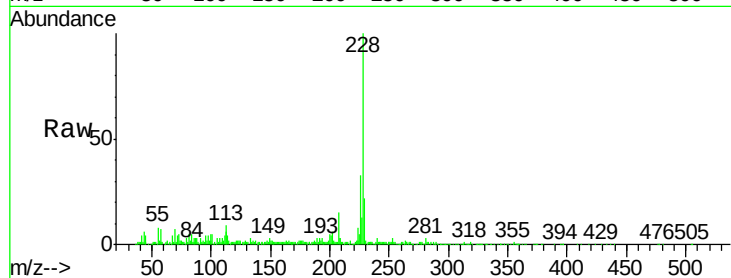
Tgt Ion:228 Resp: 235672

Ion Ratio Lower Upper

228 100

226 33.2 26.7 40.1

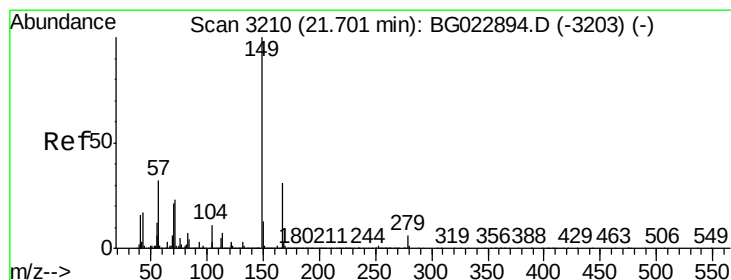
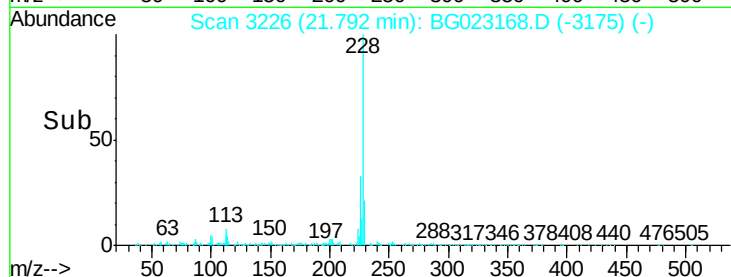
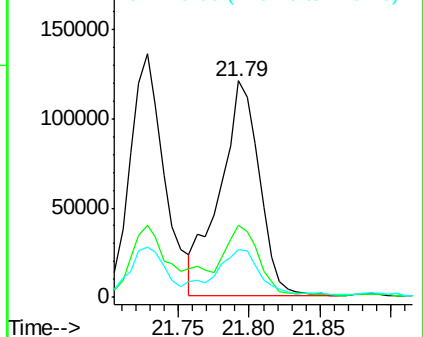
229 21.9 17.4 26.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.44 ng m

RT: 21.60 min Scan# 3194

Delta R.T. 0.00 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

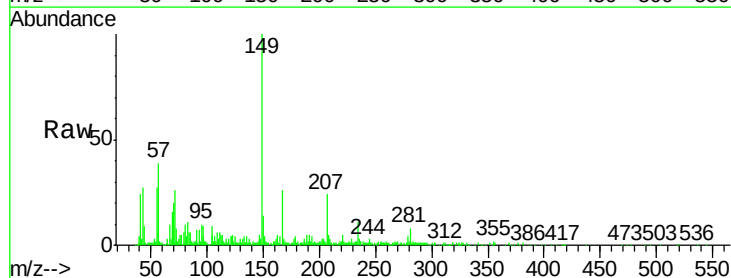
Tgt Ion:149 Resp: 92901

Ion Ratio Lower Upper

149 100

167 25.8 24.0 36.0

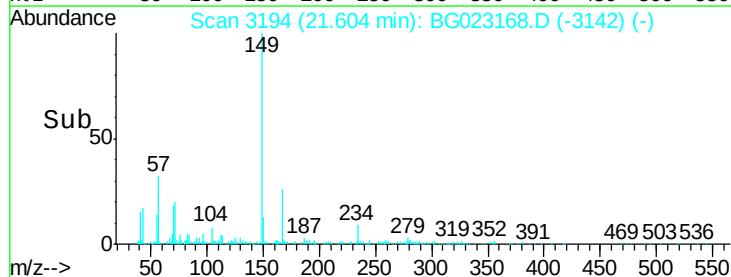
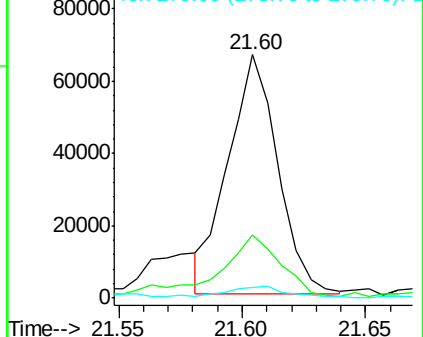
279 4.3 4.8 7.2#

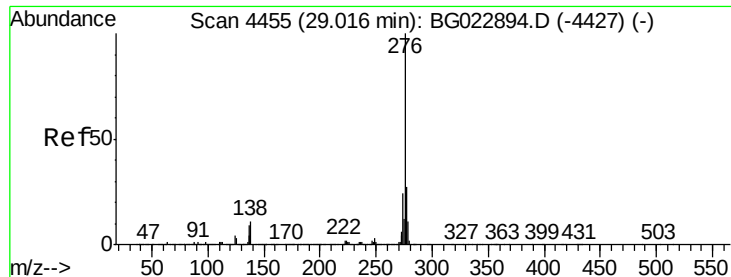


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.06 ng

RT: 28.78 min Scan# 4415

Delta R.T. 0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

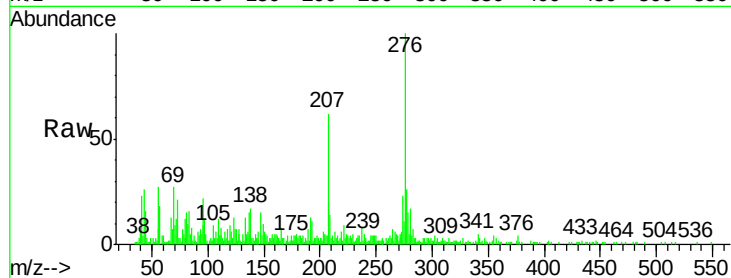
Tgt Ion:276 Resp: 120438

Ion Ratio Lower Upper

276 100

138 12.6 0.0 0.0#

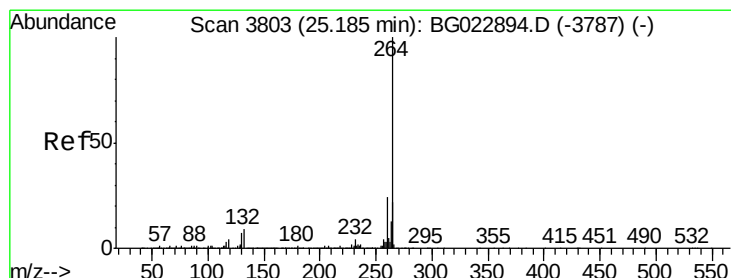
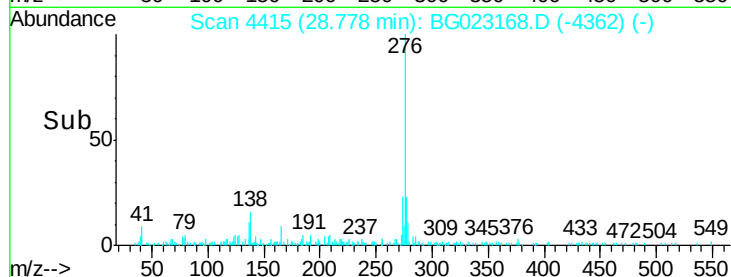
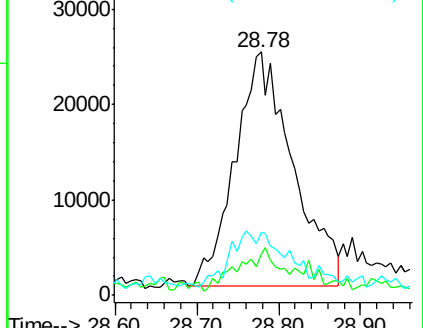
277 0.0 0.0 0.0



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: 25.04 min Scan# 3778

Delta R.T. 0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

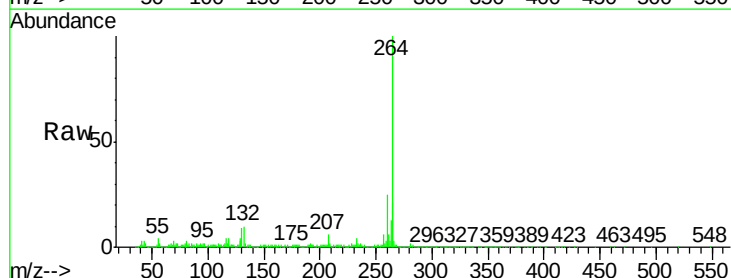
Tgt Ion:264 Resp: 866187

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

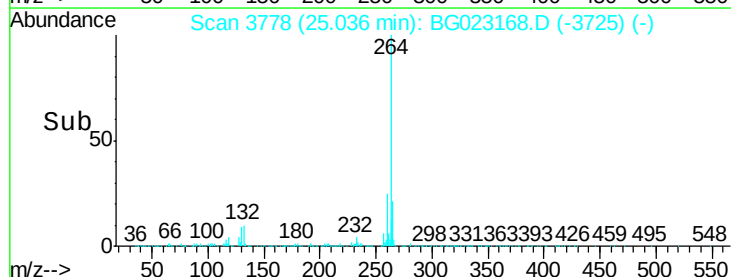
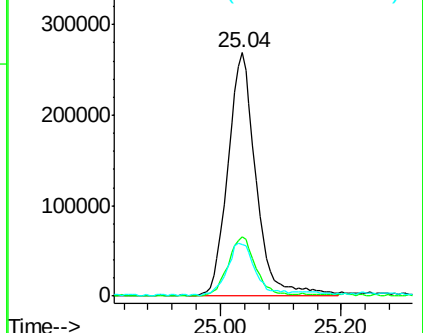
265 21.5 18.9 28.3

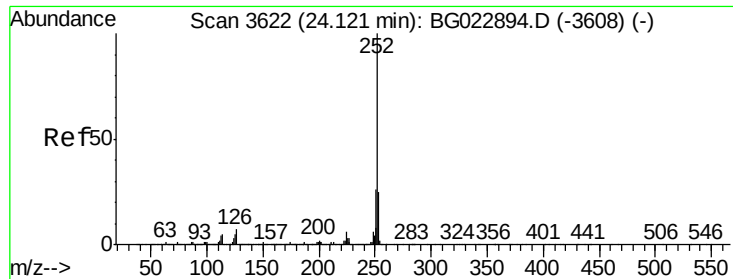


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

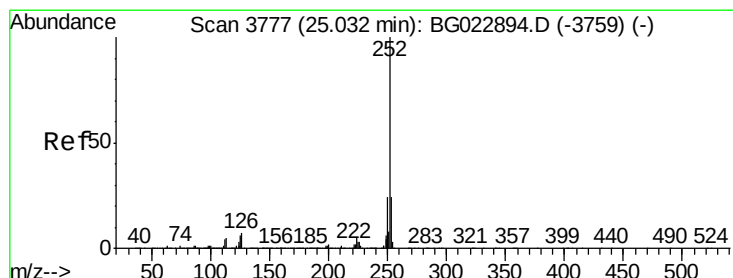
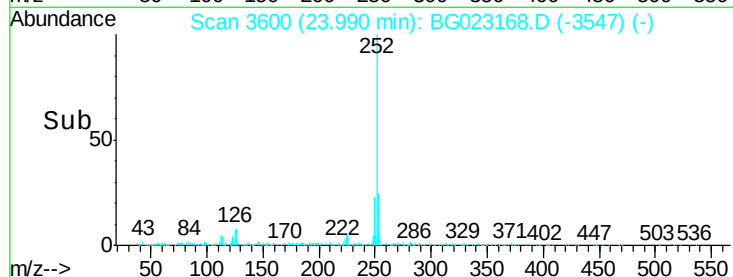
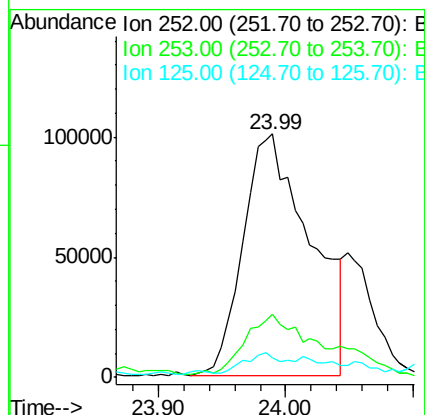
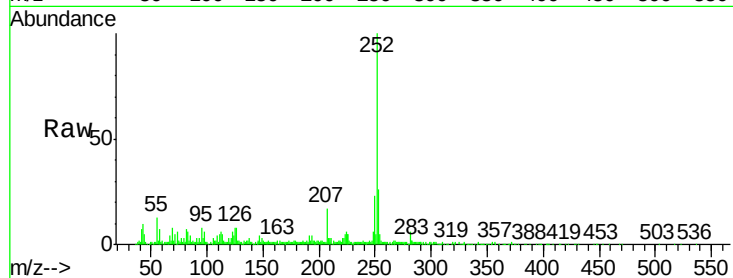




#87
Benzo(b)fluoranthene
Concen: 7.41 ng
RT: 23.99 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BG023168.D
Acq: 18 Jul 2016 21:16

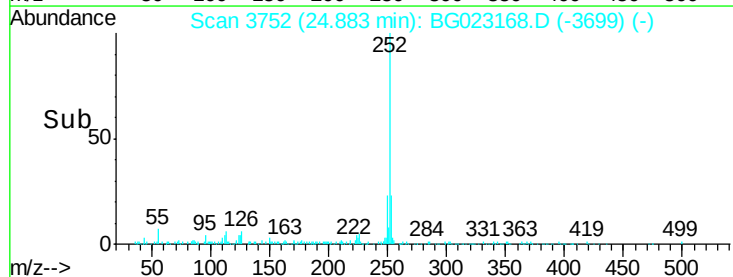
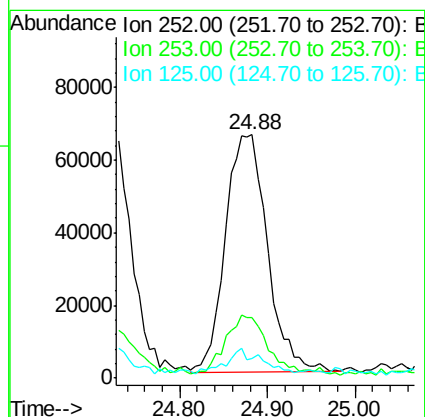
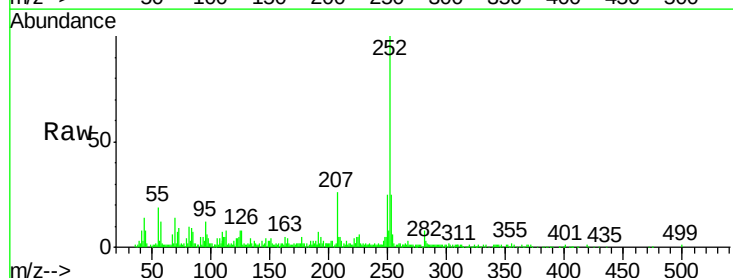
Instrument :
BNA_G
ClientSampleId :
E9-B2(0-6)C

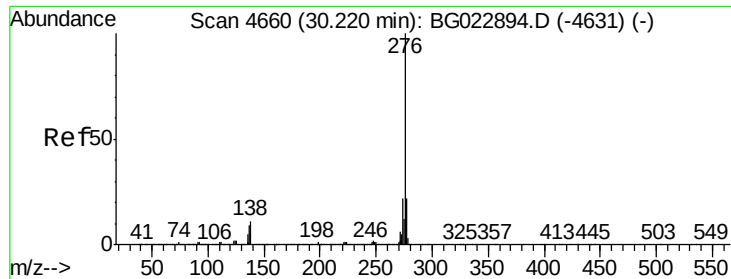
Tgt Ion:	252	Resp:	370132
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.9	28.3
125	8.3	3.9	5.9#



#89
Benzo(a)pyrene
Concen: 4.48 ng
RT: 24.88 min Scan# 3752
Delta R.T. 0.01 min
Lab File: BG023168.D
Acq: 18 Jul 2016 21:16

Tgt Ion:	252	Resp:	214385
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.7	28.1
125	7.8	3.9	5.9#





#91

Benzo(g,h,i)perylene

Concen: 2.23 ng

RT: 29.95 min Scan# 4615

Delta R.T. -0.01 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

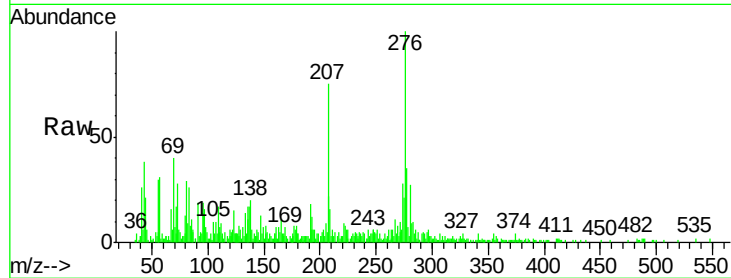
Tgt Ion: 276 Resp: 106353

Ion Ratio Lower Upper

276 100

277 34.9 18.6 27.8#

138 19.9 6.8 10.2#



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

