

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 01:06:06 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

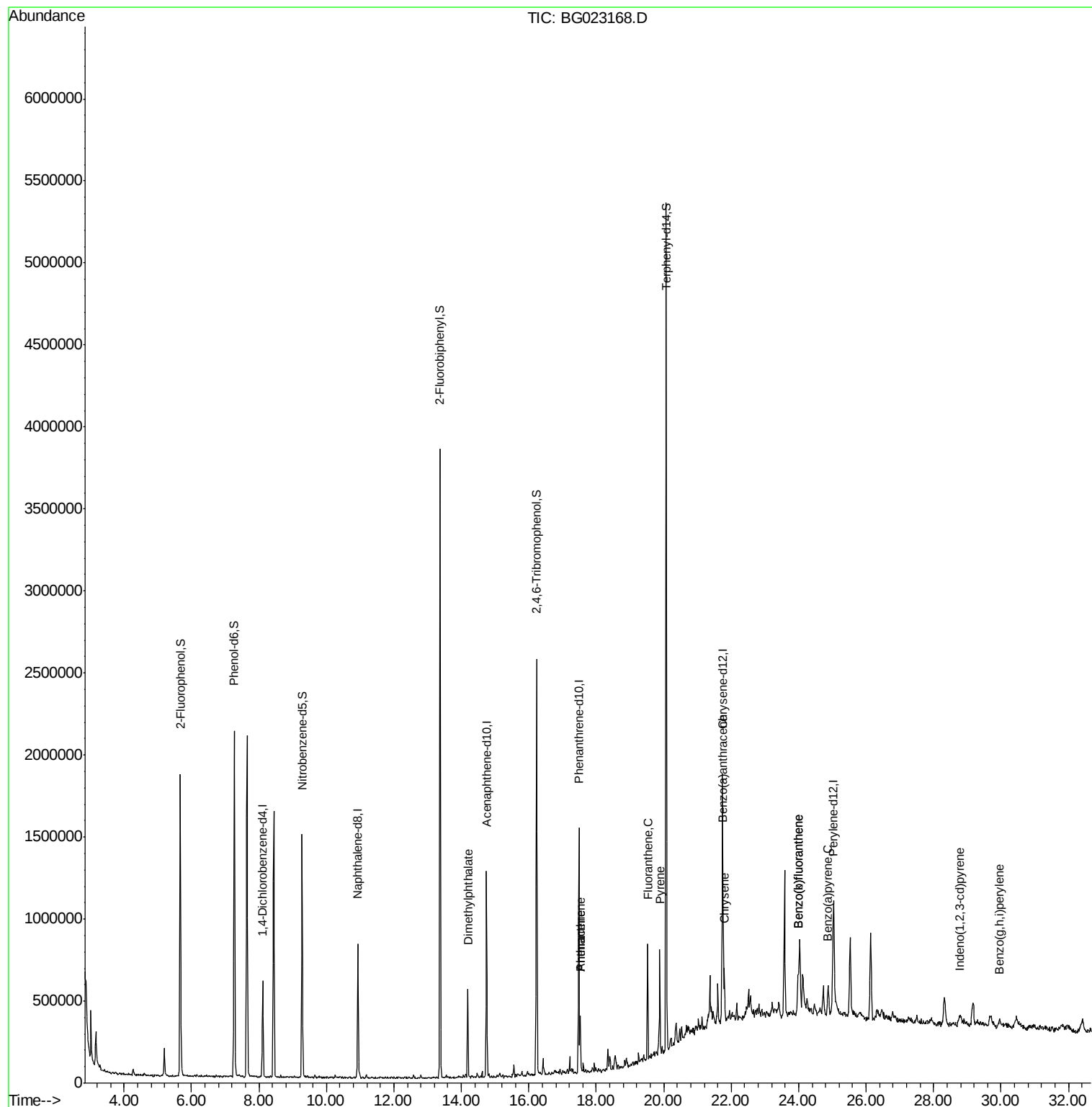
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	145536	20.00	ng	-0.04
21) Naphthalene-d8	10.93	136	645644	20.00	ng	-0.04
38) Acenaphthene-d10	14.75	164	425181	20.00	ng	-0.05
63) Phenanthrene-d10	17.49	188	886289	20.00	ng	-0.07
75) Chrysene-d12	21.75	240	872549	20.00	ng	-0.10
86) Perylene-d12	25.04	264	866187	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	778457	87.48	ng	-0.03
7) Phenol-d6	7.27	99	1182707	84.86	ng	-0.04
23) Nitrobenzene-d5	9.28	82	982212	65.14	ng	-0.05
41) 2,4,6-Tribromophenol	16.23	330	441664	57.80	ng	-0.07
44) 2-Fluorobiphenyl	13.37	172	1814212	67.21	ng	-0.05
78) Terphenyl-d14	20.07	244	2101068	72.04	ng	-0.08
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	342542	9.86	ng	99
70) Phenanthrene	17.53	178	202063	4.65	ng	95
71) Anthracene	17.53	178	202063	4.59	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
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
88) Benzo(k)fluoranthene	23.99	252	370132	7.80	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

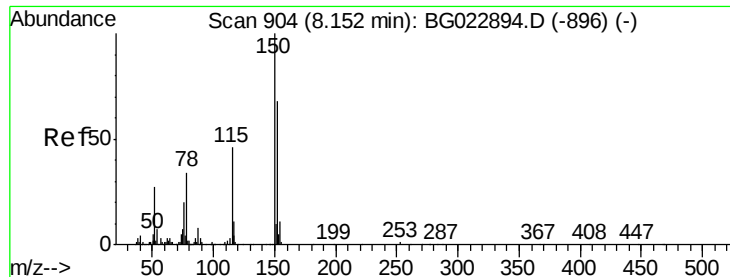
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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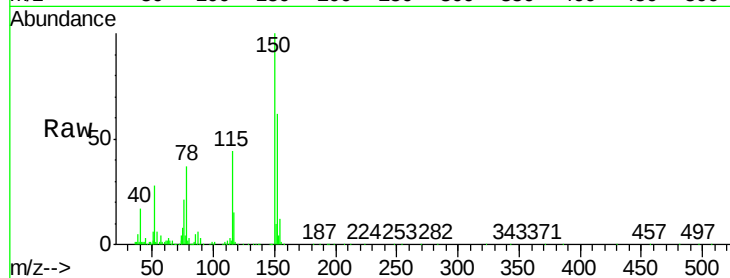


#1

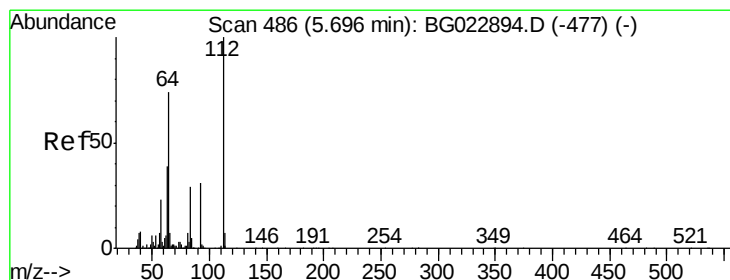
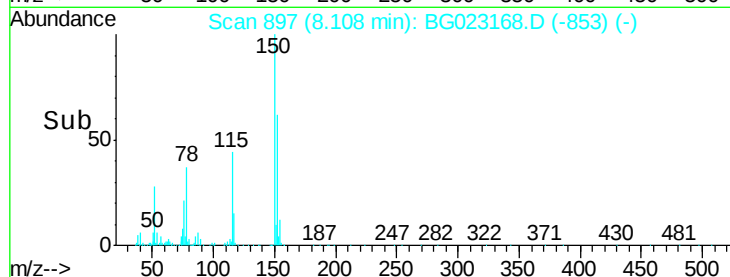
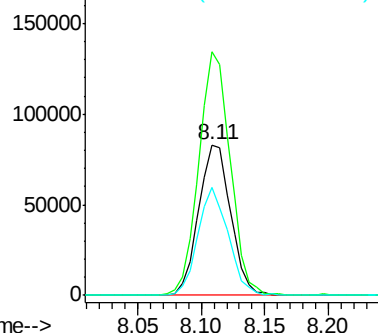
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.04 min
Lab File: BG023168.D
Acq: 18 Jul 2016 21:16

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



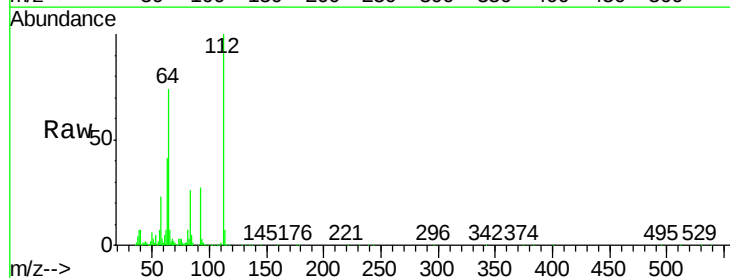
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



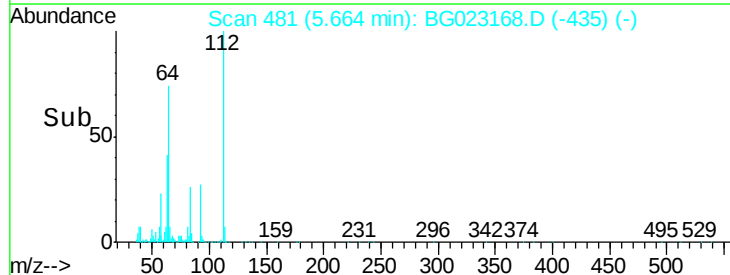
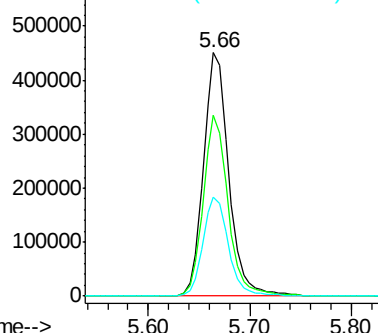
#5

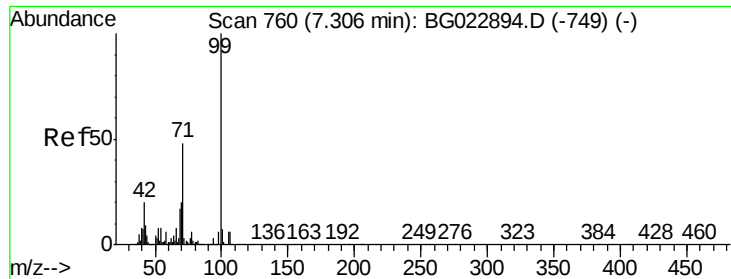
2-Fluorophenol
Concen: 87.48 ng
RT: 5.66 min Scan# 481
Delta R.T. -0.03 min
Lab File: BG023168.D
Acq: 18 Jul 2016 21:16

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): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 84.86 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.04 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

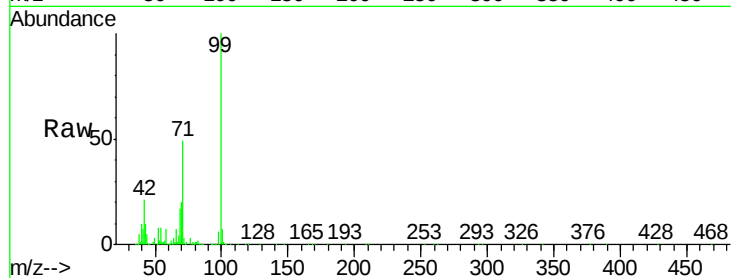
BNA_G

ClientSampleId :

E9-B2(0-6)C

Tgt Ion: 99 Resp: 1182707

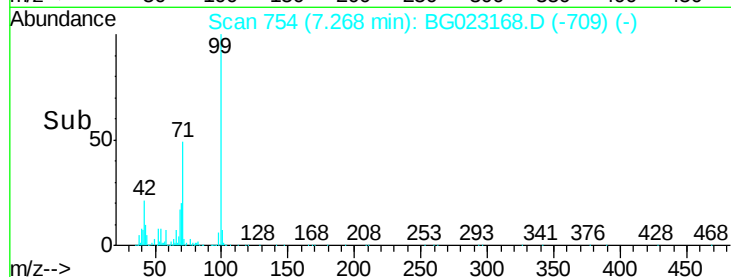
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.8	26.6
71	49.4	41.5	62.3



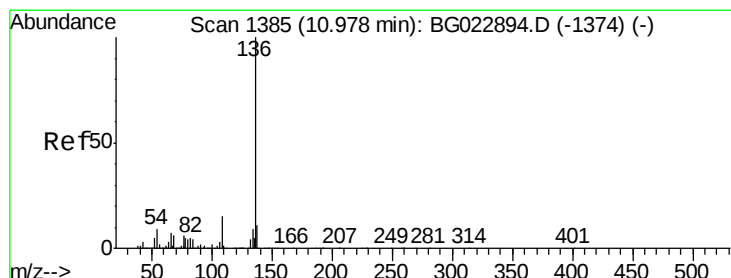
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1378

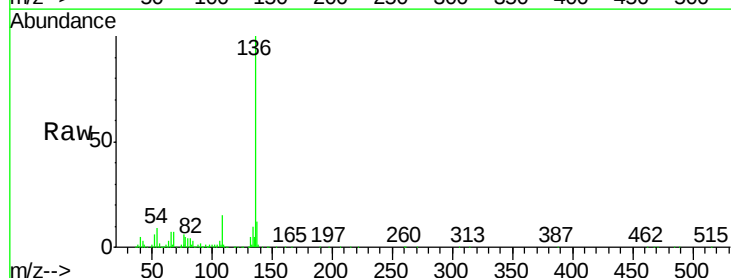
Delta R.T. -0.04 min

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

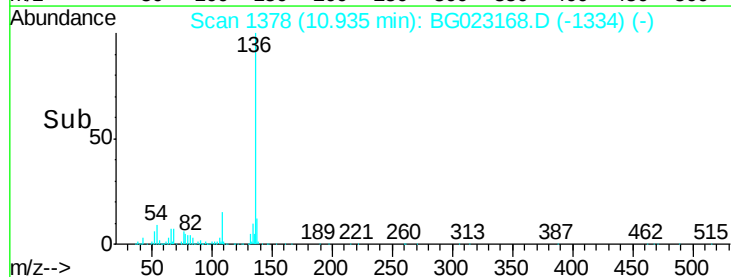


Abundance Ion 136.00 (135.70 to 136.70): BGC

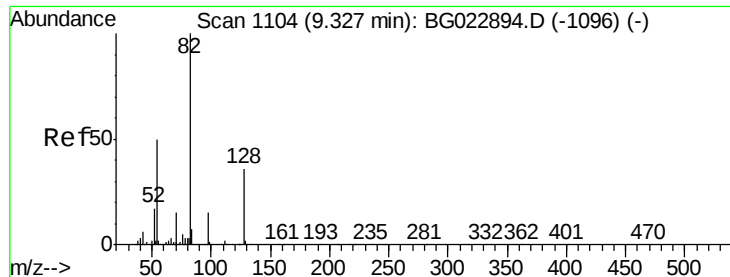
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



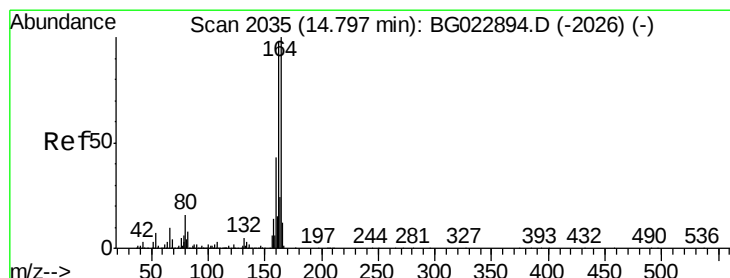
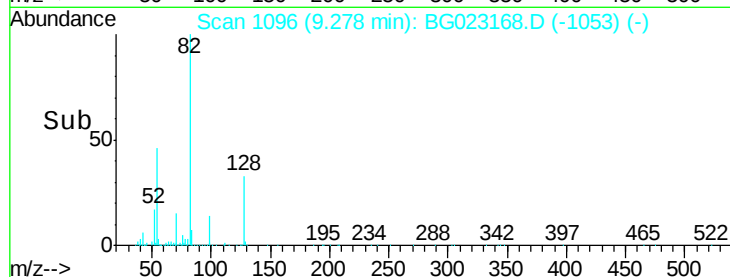
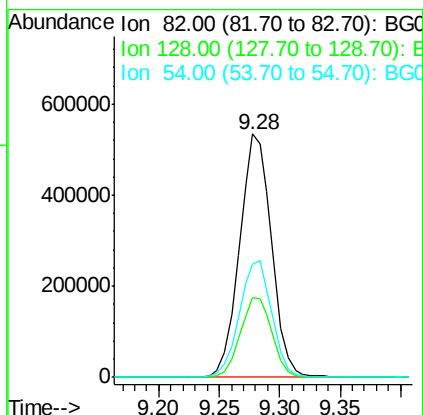
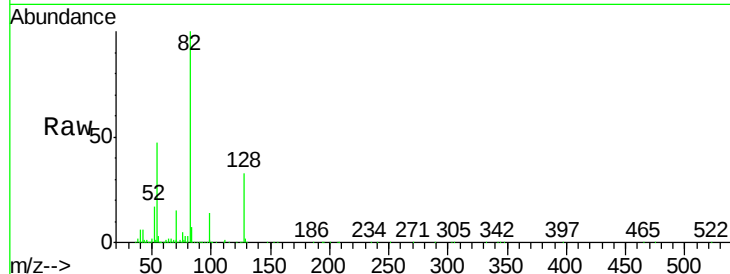
Time-->



#23
 Nitrobenzene-d5
 Concen: 65.14 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.05 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

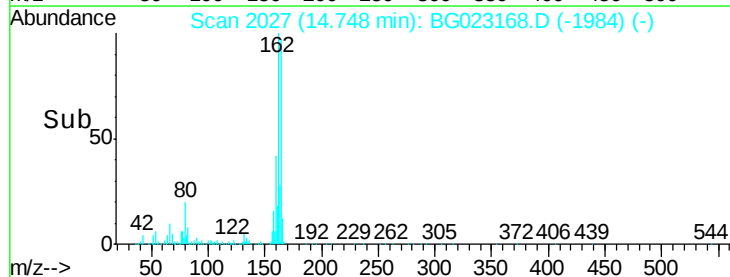
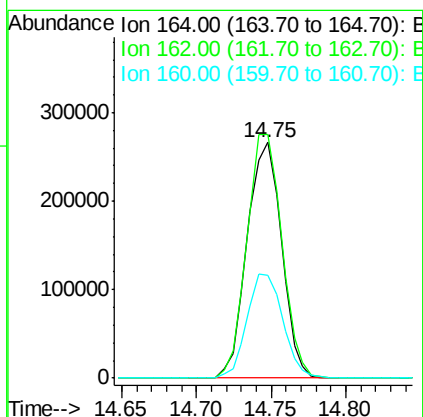
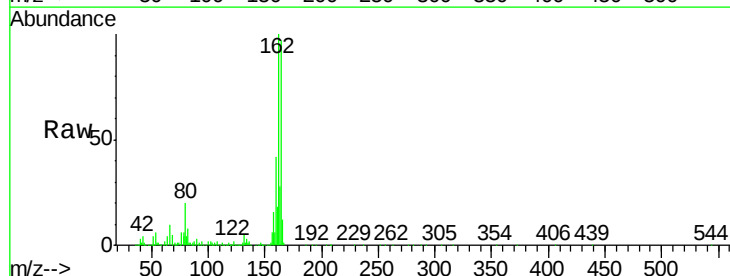
Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(0-6)C

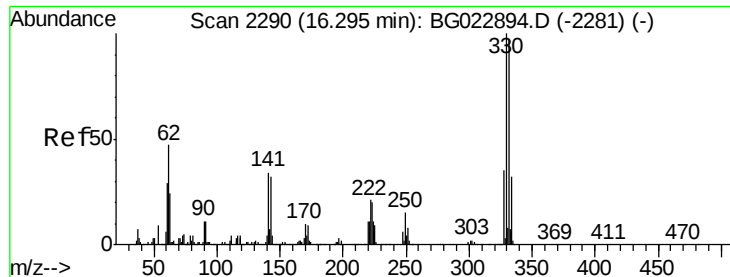
Tgt Ion: 82 Resp: 982212
 Ion Ratio Lower Upper
 82 100
 128 32.6 24.4 36.6
 54 46.5 41.4 62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.05 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

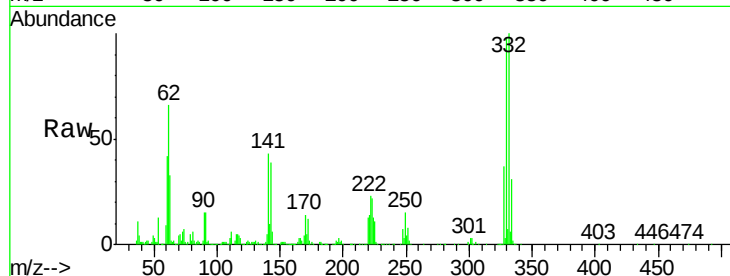




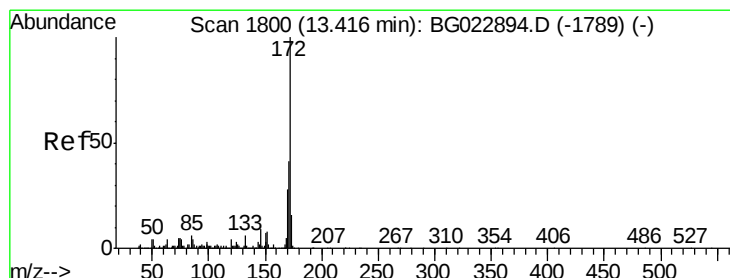
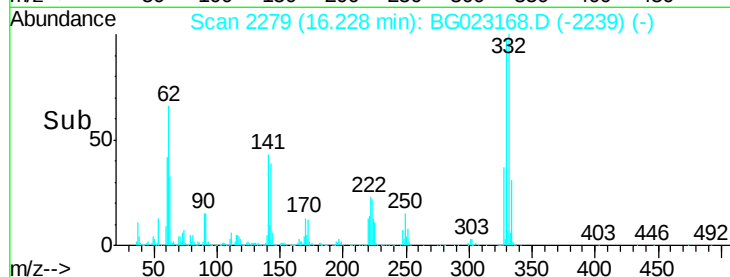
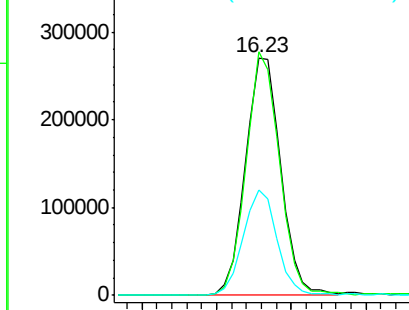
#41
 2,4,6-Tribromophenol
 Concen: 57.80 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.07 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

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

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

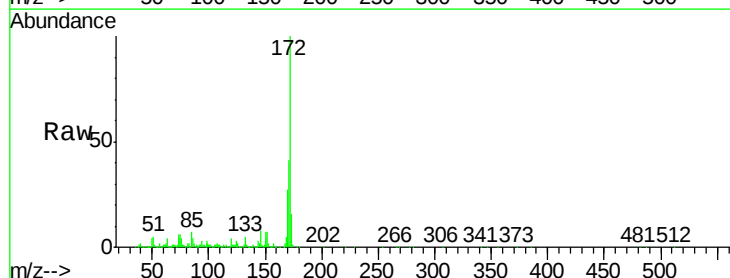


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

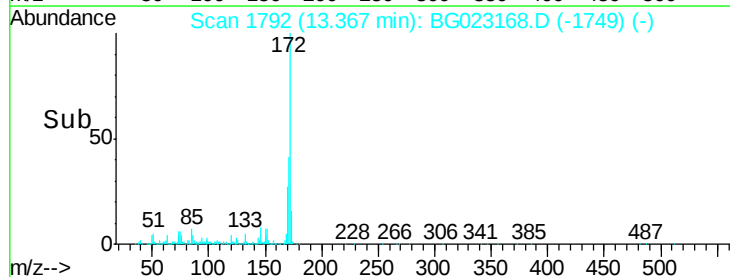
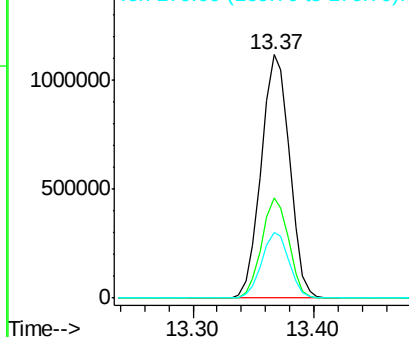


#44
 2-Fluorobiphenyl
 Concen: 67.21 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.05 min
 Lab File: BG023168.D
 Acq: 18 Jul 2016 21:16

Tgt 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. -0.06 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

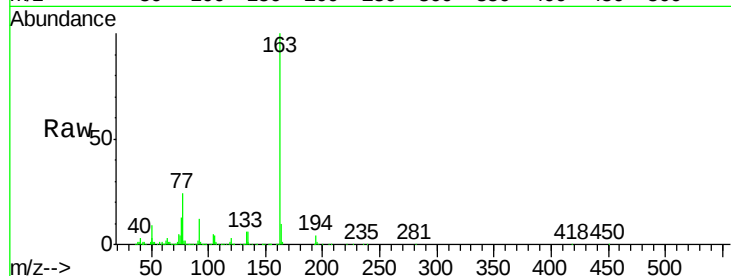
Tgt Ion:163 Resp: 342542

Ion Ratio Lower Upper

163 100

194 3.7 3.6 5.4

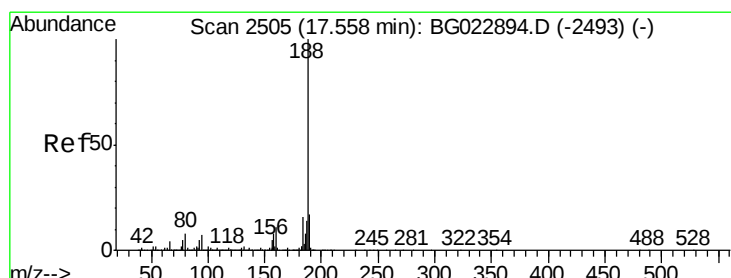
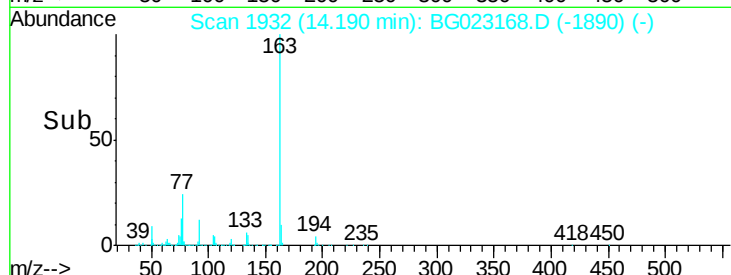
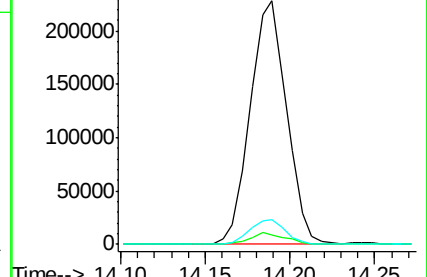
164 10.4 8.1 12.1



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. -0.07 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

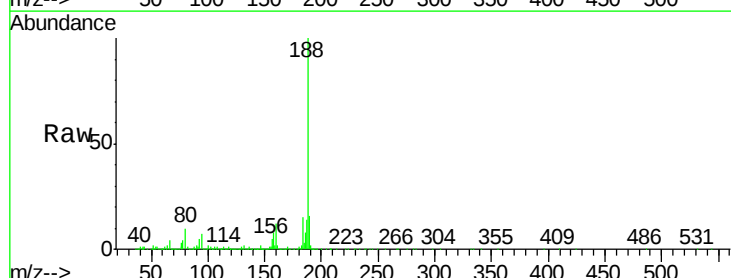
Tgt Ion:188 Resp: 886289

Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

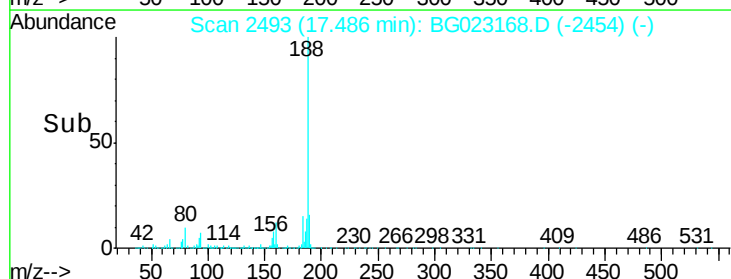
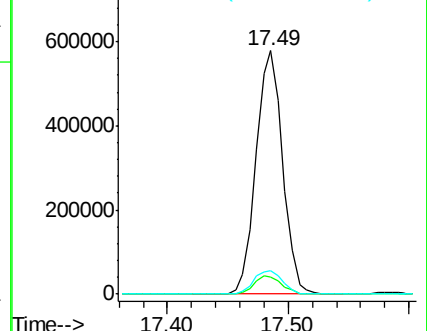
80 9.8 7.2 10.8

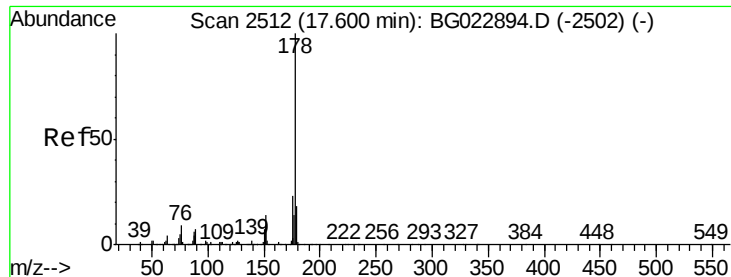


Abundance Ion 188.00 (187.70 to 188.70): E

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. -0.07 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

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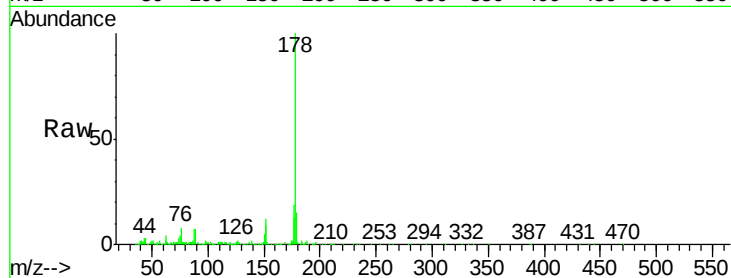
Tgt Ion:178 Resp: 202063

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

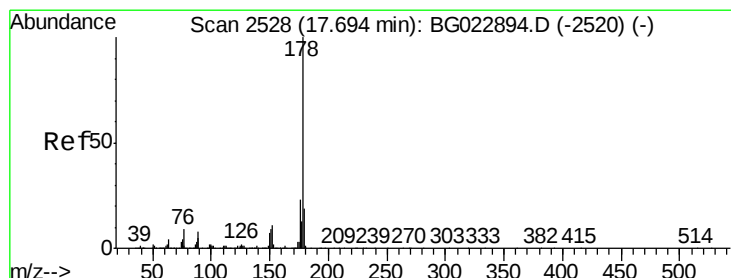
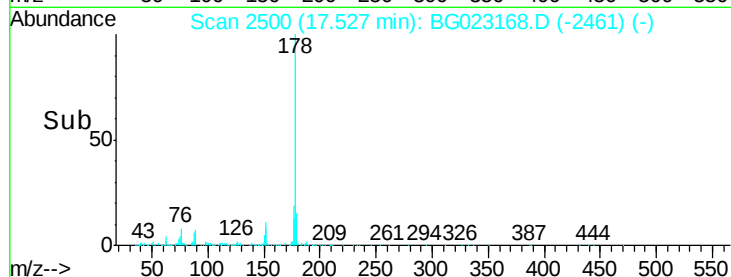
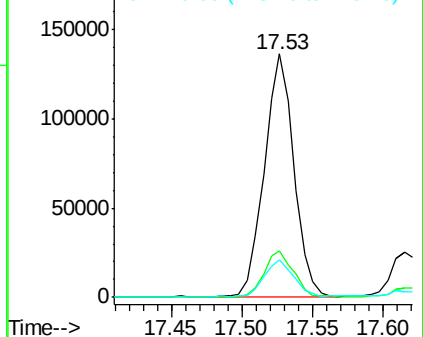
179 15.3 14.3 21.5



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



#71

Anthracene

Concen: 4.59 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.17 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

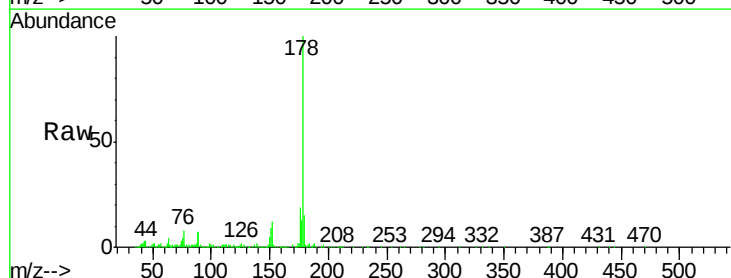
Tgt Ion:178 Resp: 202063

Ion Ratio Lower Upper

178 100

176 19.2 17.3 25.9

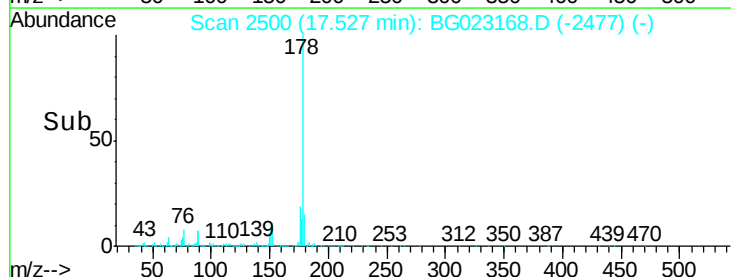
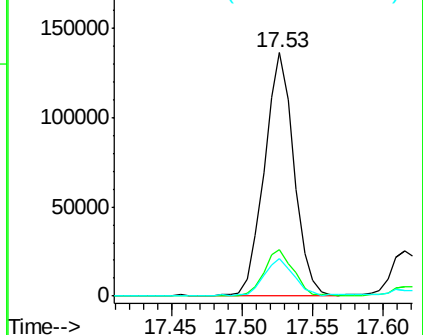
179 15.3 14.0 21.0

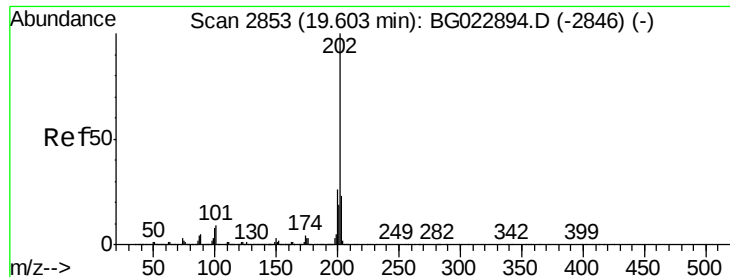


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.00 ng

RT: 19.52 min Scan# 2840

Delta R.T. -0.08 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

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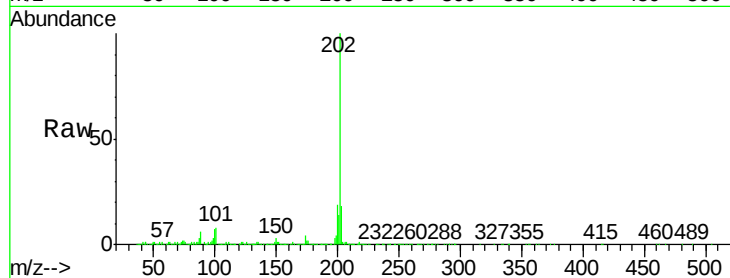
Tgt Ion:202 Resp: 426332

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.4

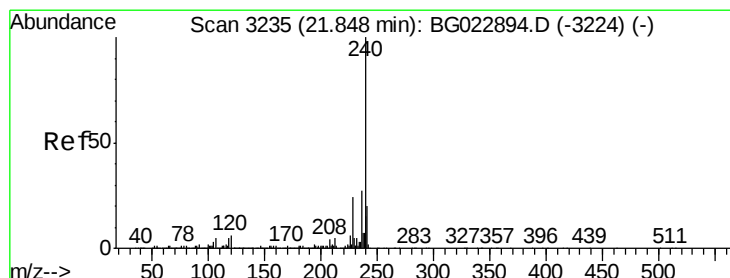
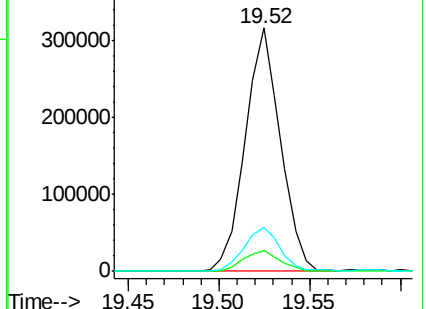
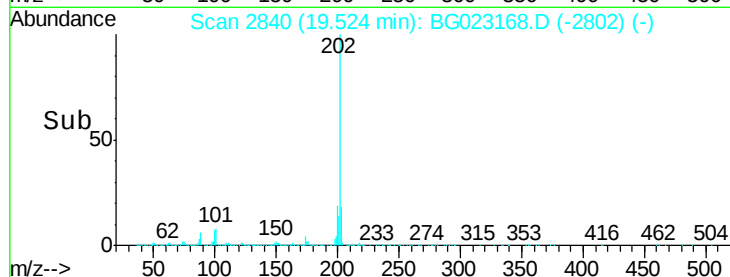
203 18.2 1.7 41.7



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. -0.10 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

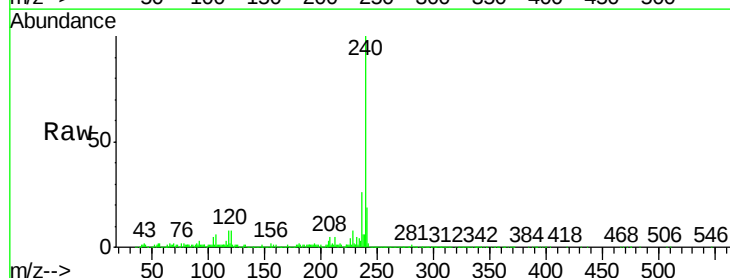
Tgt Ion:240 Resp: 872549

Ion Ratio Lower Upper

240 100

120 7.6 4.1 6.1#

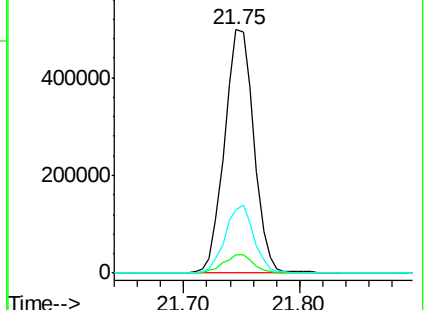
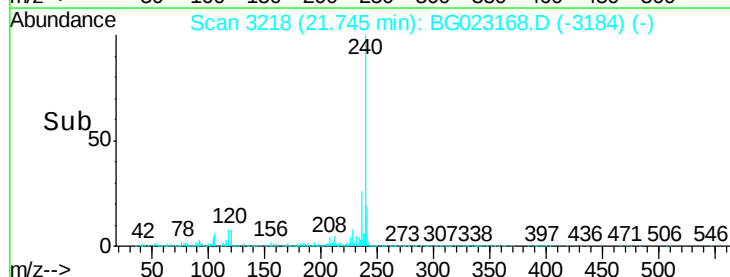
236 25.7 21.1 31.7

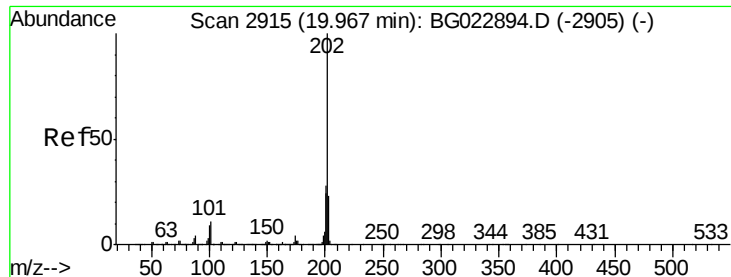


Abundance Ion 240.00 (239.70 to 240.70): E

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. -0.08 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

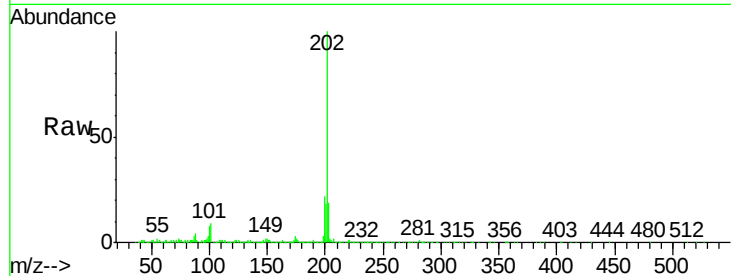
Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

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

19.88

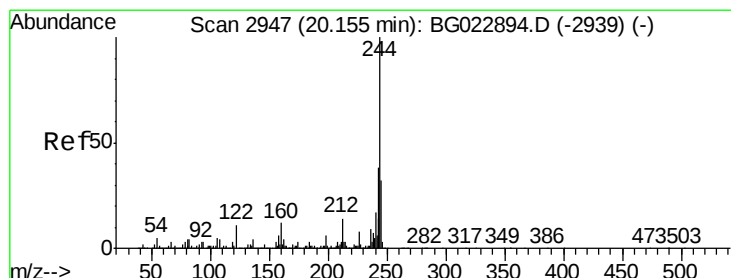
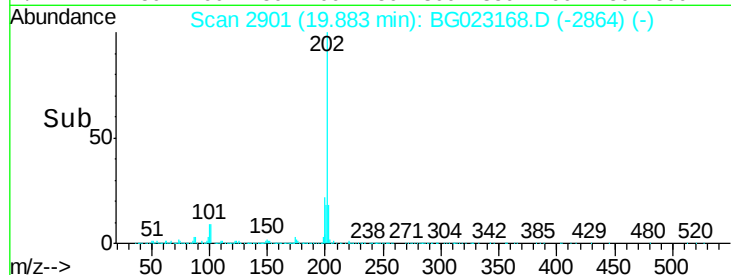
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 72.04 ng

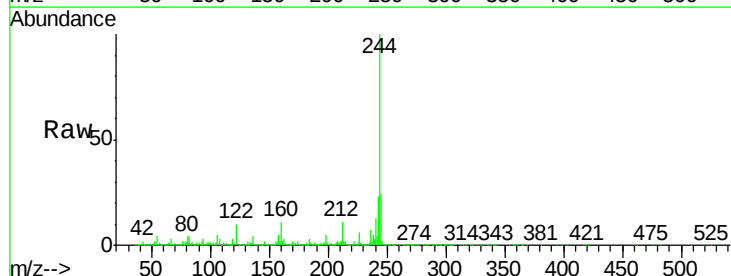
RT: 20.07 min Scan# 2933

Delta R.T. -0.08 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

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



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

20.07

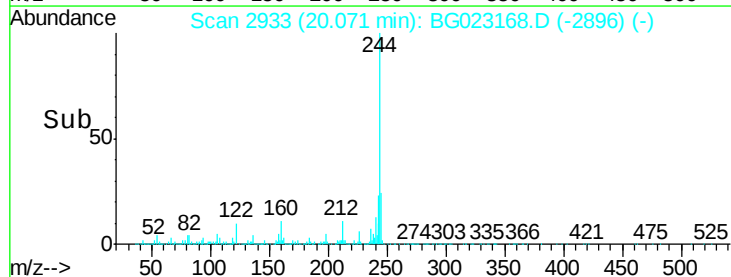
1500000

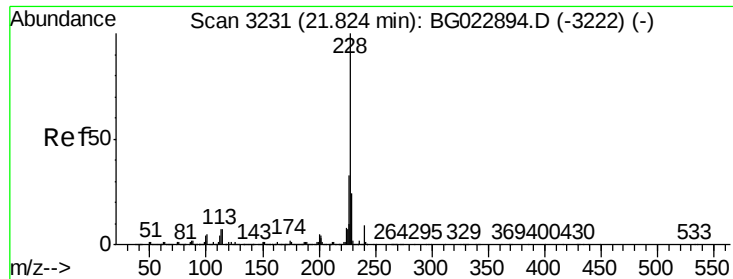
1000000

500000

0

Time-->





#80

Benzo(a)anthracene

Concen: 4.72 ng

RT: 21.73 min Scan# 3215

Delta R.T. -0.10 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

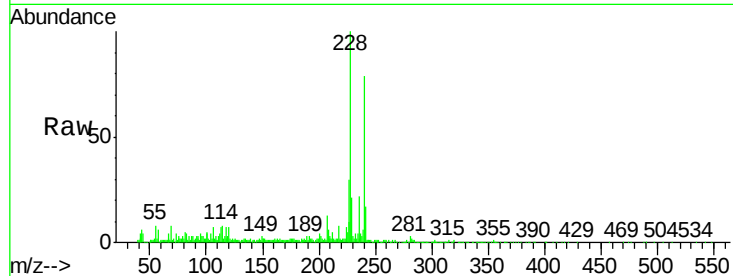
Tgt Ion:228 Resp: 230282

Ion Ratio Lower Upper

228 100

226 29.8 25.3 37.9

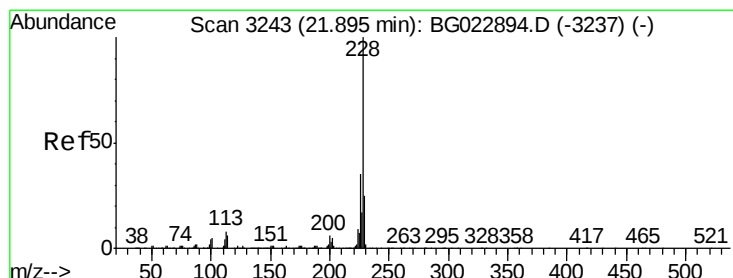
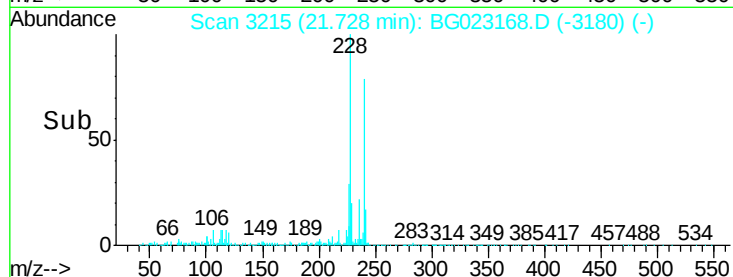
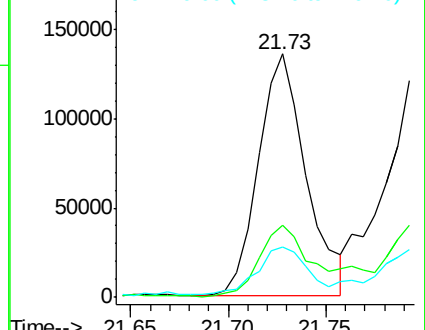
229 20.6 19.9 29.9



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: 5.15 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.10 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

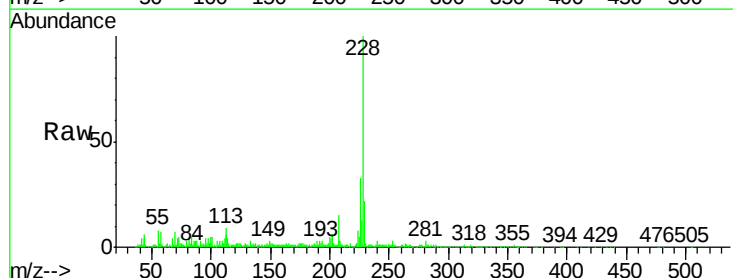
Tgt Ion:228 Resp: 235672

Ion Ratio Lower Upper

228 100

226 33.2 26.7 40.1

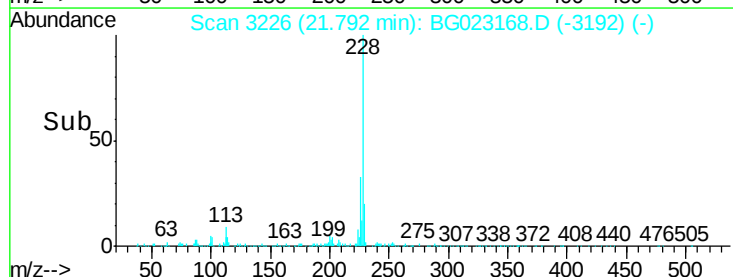
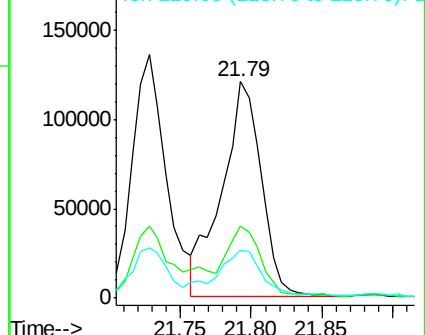
229 21.9 17.4 26.2

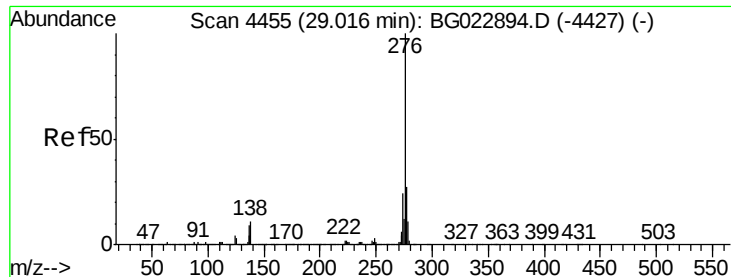


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.06 ng

RT: 28.78 min Scan# 4415

Delta R.T. -0.24 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

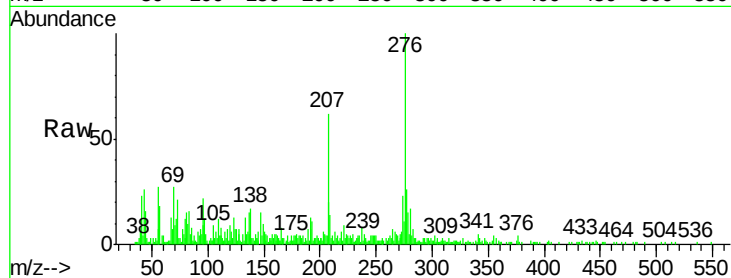
Tgt Ion:276 Resp: 120438

Ion Ratio Lower Upper

276 100

138 12.6 0.0 0.0#

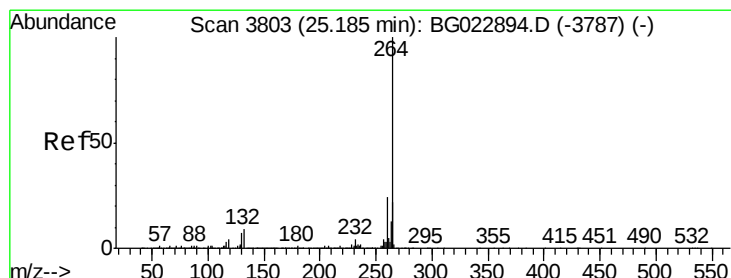
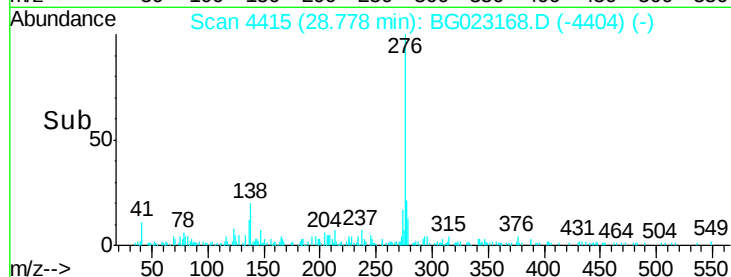
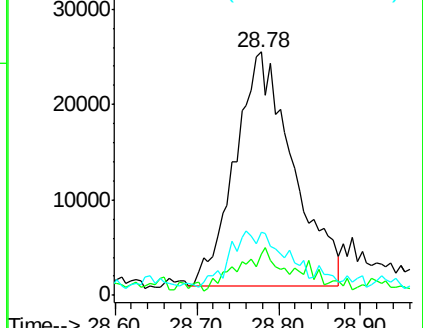
277 0.0 0.0 0.0



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. -0.15 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

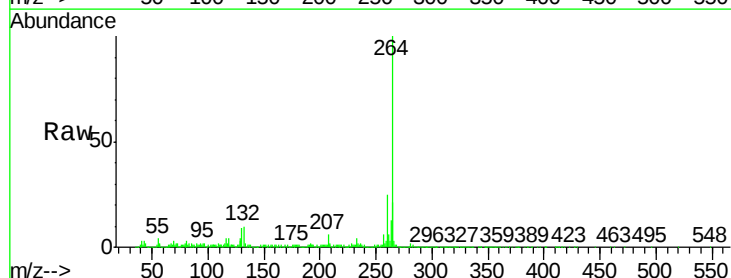
Tgt Ion:264 Resp: 866187

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

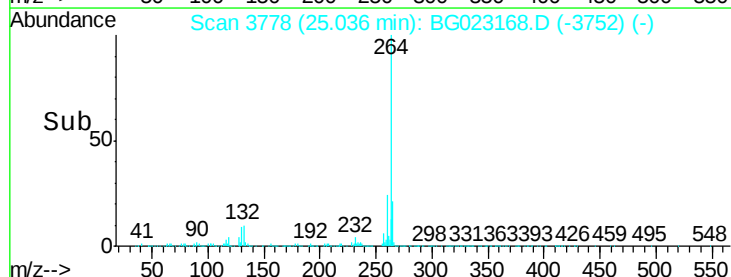
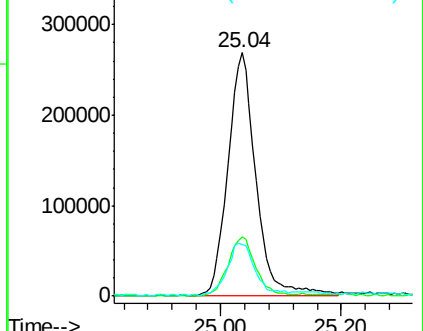
265 21.5 18.9 28.3

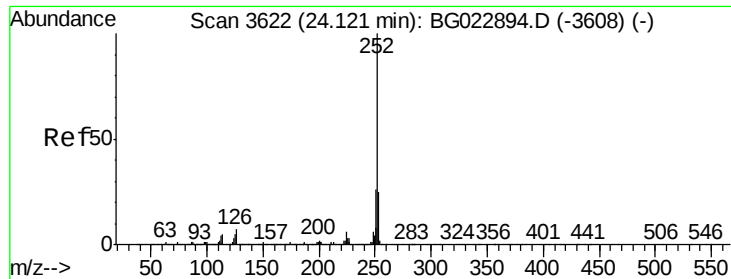


Abundance Ion 264.00 (263.70 to 264.70): E

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. -0.13 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

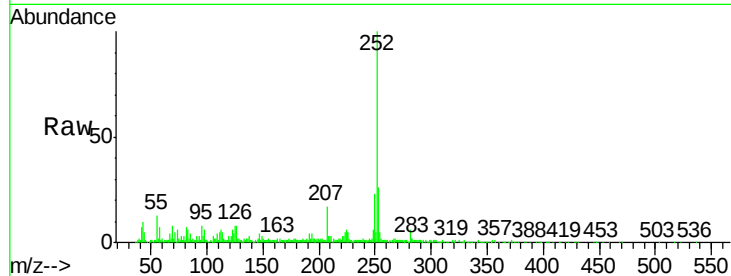
Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

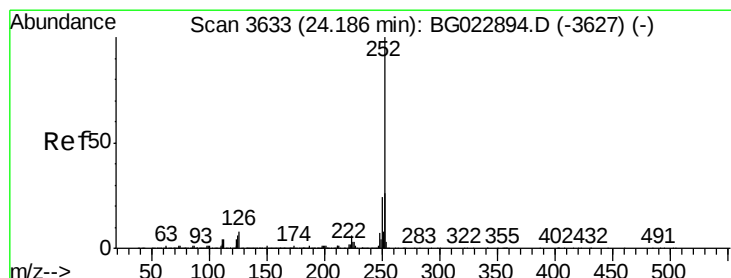
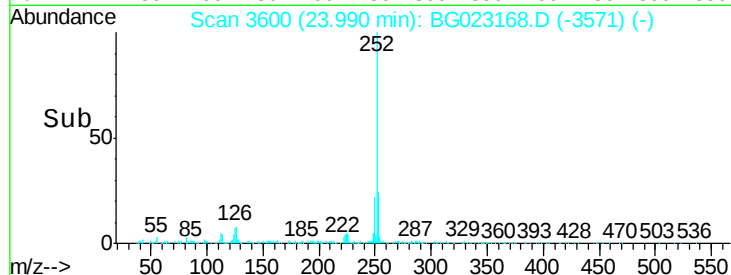
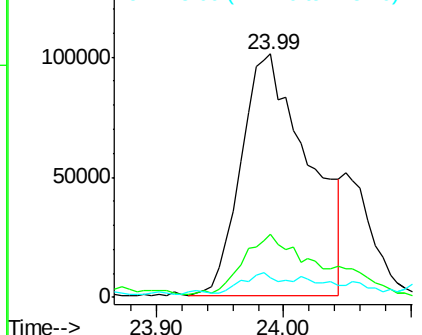
Tgt Ion:	252	Resp:	370132
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.9	28.3
125	8.3	3.9	5.9#



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: 7.80 ng

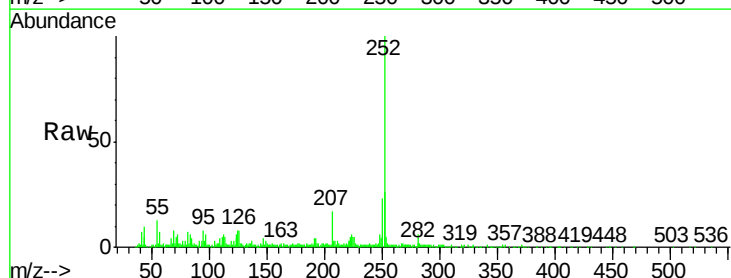
RT: 23.99 min Scan# 3600

Delta R.T. -0.20 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

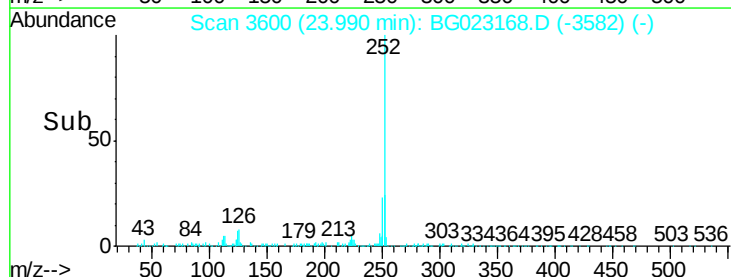
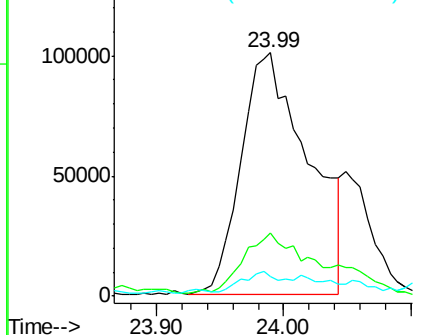
Tgt Ion:	252	Resp:	370132
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.8	28.2
125	8.3	3.2	4.8#

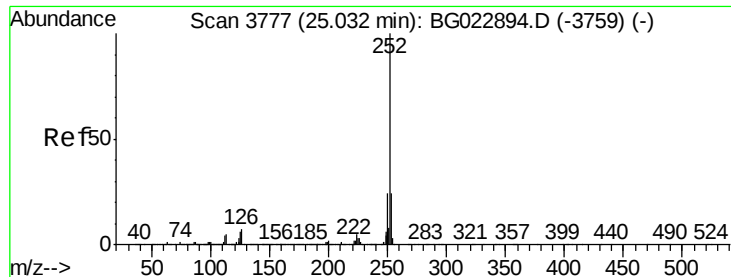


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.48 ng

RT: 24.88 min Scan# 3752

Delta R.T. -0.15 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

Instrument :

BNA_G

ClientSampleId :

E9-B2(0-6)C

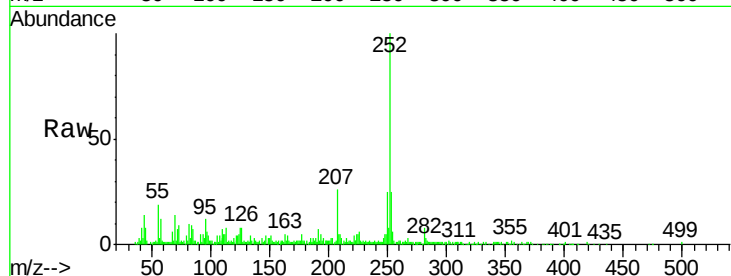
Tgt Ion:252 Resp: 214385

Ion Ratio Lower Upper

252 100

253 25.0 18.7 28.1

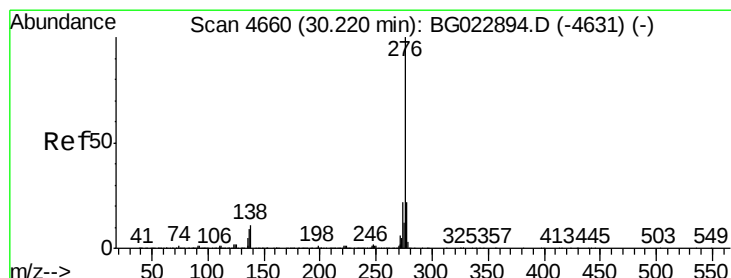
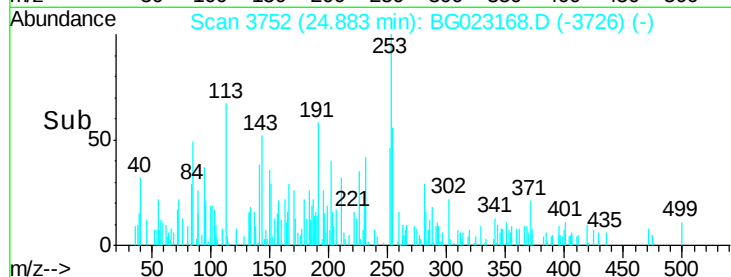
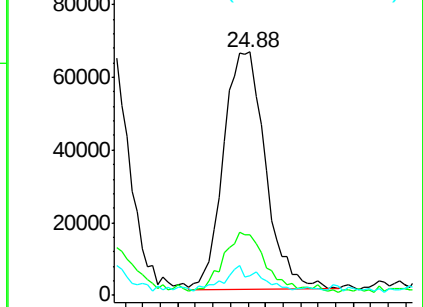
125 7.8 3.9 5.9#



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



#91

Benzo(g,h,i)perylene

Concen: 2.23 ng

RT: 29.95 min Scan# 4615

Delta R.T. -0.27 min

Lab File: BG023168.D

Acq: 18 Jul 2016 21:16

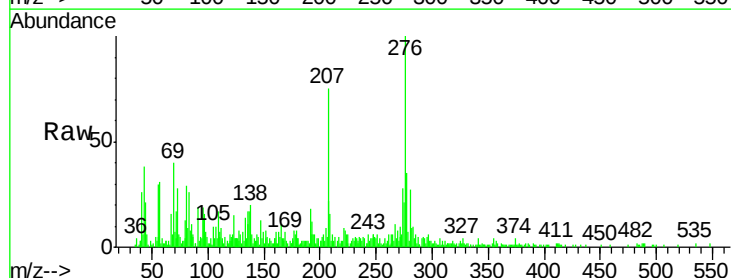
Tgt Ion:276 Resp: 106353

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

