

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
 Data File : BG023152.D
 Acq On : 16 Jul 2016 18:23
 Operator : UM/SJ
 Sample : H3951-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LSS-SB-SB06(0-2ft)

Quant Time: Jul 18 01:25:39 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

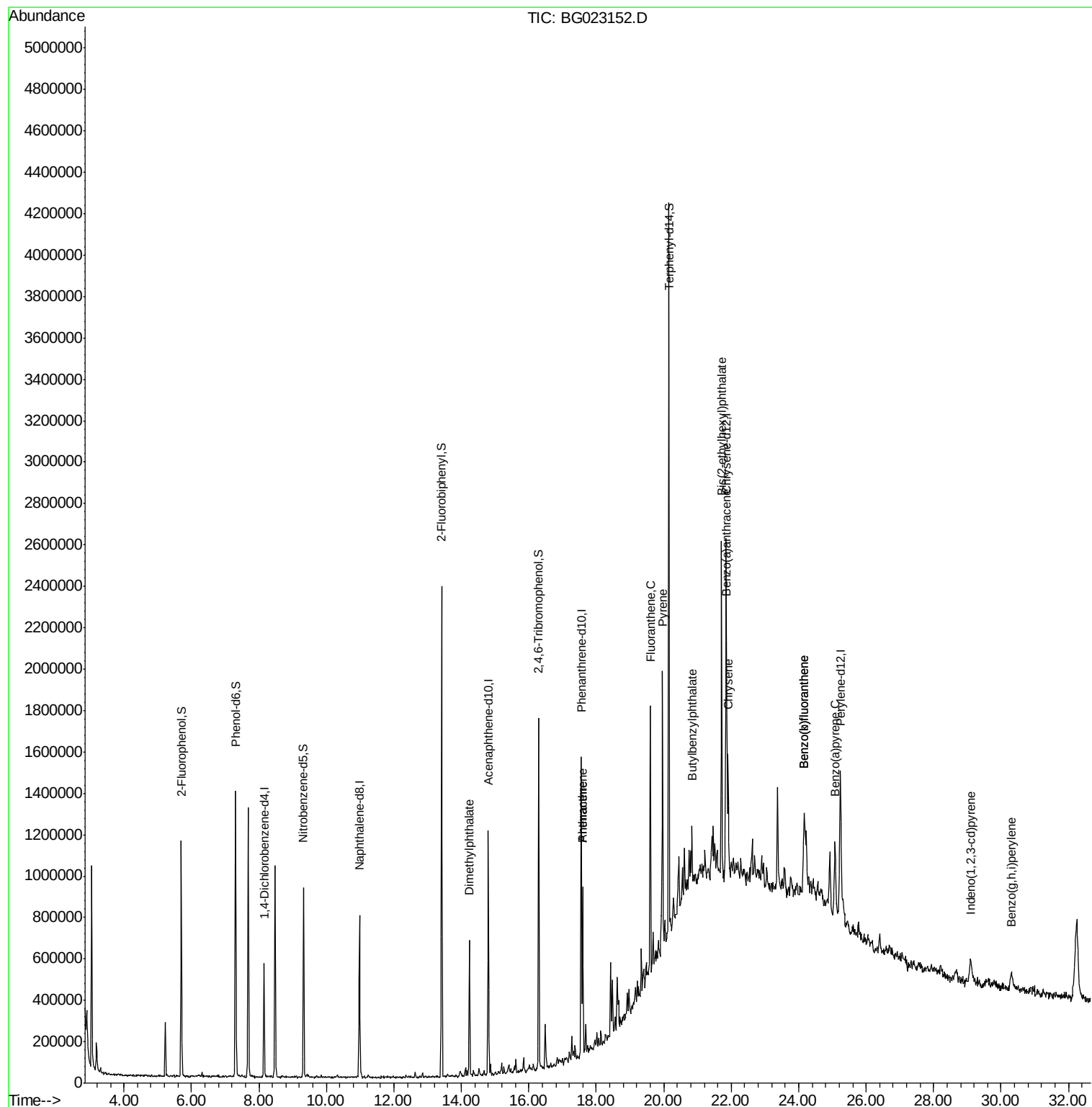
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	139064	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	631889	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	403370	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	855335	20.00	ng	0.00
75) Chrysene-d12	21.86	240	866157	20.00	ng	0.01
86) Perylene-d12	25.24	264	868623	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	466931	54.91	ng	0.00
7) Phenol-d6	7.31	99	775324	58.22	ng	0.00
23) Nitrobenzene-d5	9.32	82	613311	41.56	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	306806	42.32	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1189049	46.43	ng	0.00
78) Terphenyl-d14	20.15	244	1448419	43.32	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.24	163	393306	11.94	ng	99
70) Phenanthrene	17.59	178	490540	11.70	ng	96
71) Anthracene	17.59	178	490540	11.56	ng	96
74) Fluoranthene	19.60	202	827699	16.09	ng	96
77) Pyrene	19.96	202	858460	17.64	ng	94
79) Butylbenzylphthalate	20.84	149	83759	4.34	ng	97
80) Benzo(a)anthracene	21.84	228	461475	9.52	ng	90
82) Chrysene	21.91	228	443768	9.76	ng	99
83) Bis(2-ethylhexyl)phthalate	21.71	149	629483	23.51	ng	# 97
85) Indeno(1,2,3-cd)pyrene	29.09	276	230807	3.98	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	591545	11.80	ng	# 96
88) Benzo(k)fluoranthene	24.16	252	591545	12.44	ng	# 96
89) Benzo(a)pyrene	25.08	252	430222	8.96	ng	# 97
91) Benzo(g,h,i)perylene	30.30	276	237934	4.98	ng	95

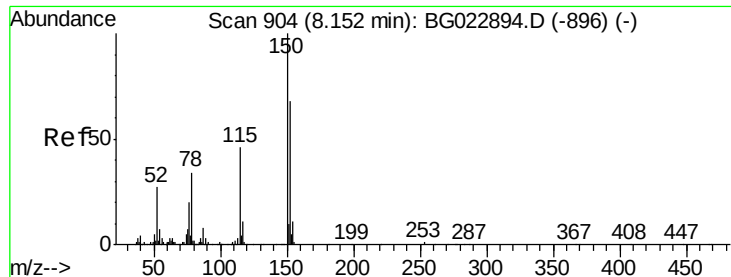
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

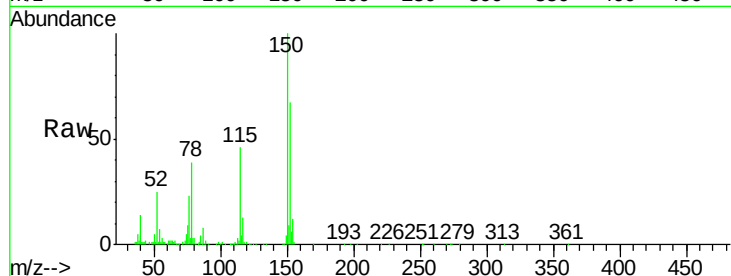
Tgt Ion:152 Resp: 139064

Ion Ratio Lower Upper

152 100

150 149.3 144.7 217.1

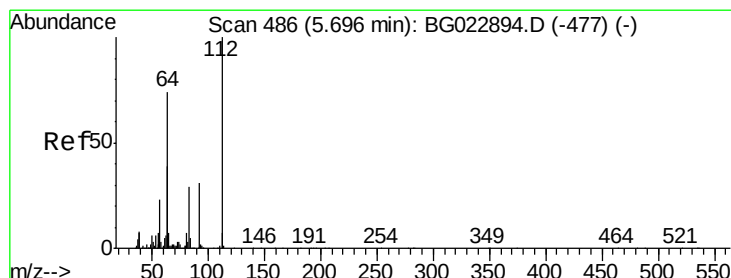
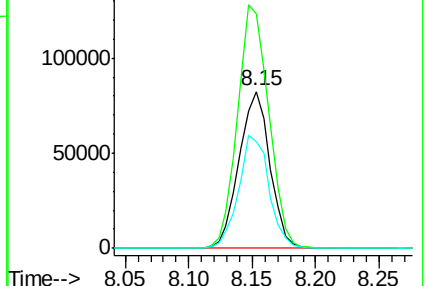
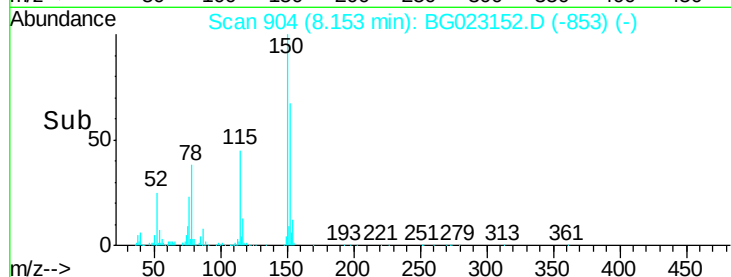
115 68.1 64.0 96.0



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: 54.91 ng

RT: 5.70 min Scan# 486

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

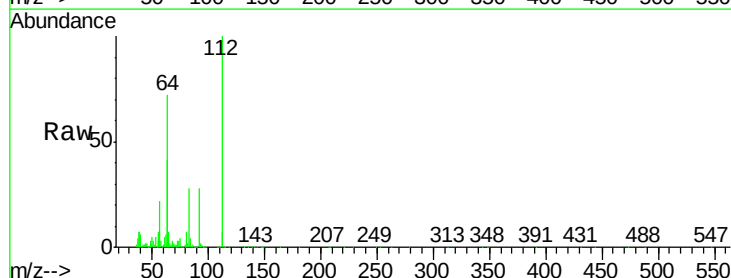
Tgt Ion:112 Resp: 466931

Ion Ratio Lower Upper

112 100

64 72.4 59.0 88.4

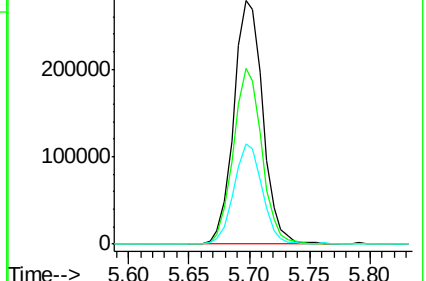
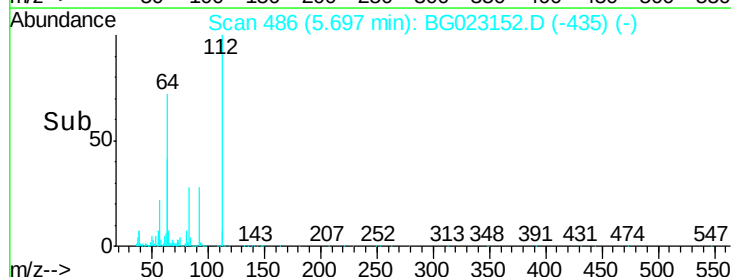
63 40.9 37.8 56.8

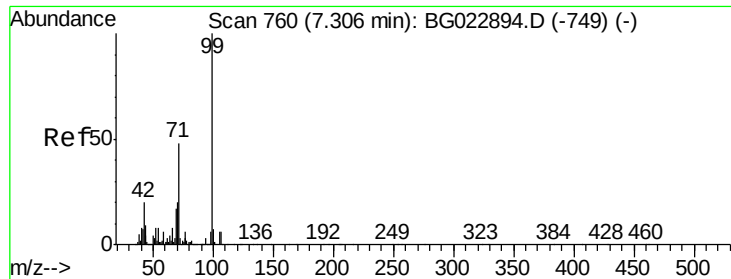


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 58.22 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

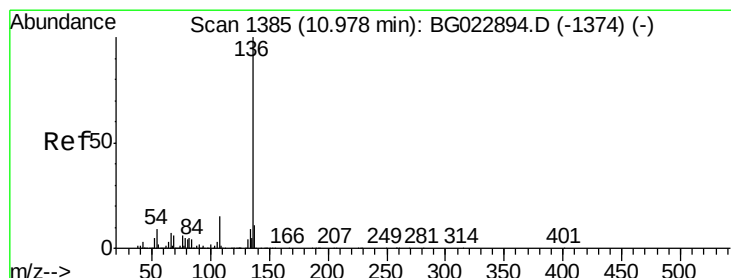
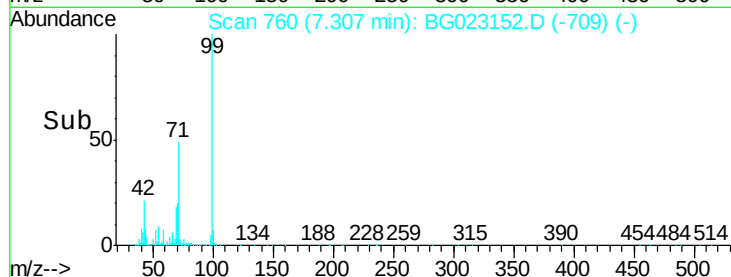
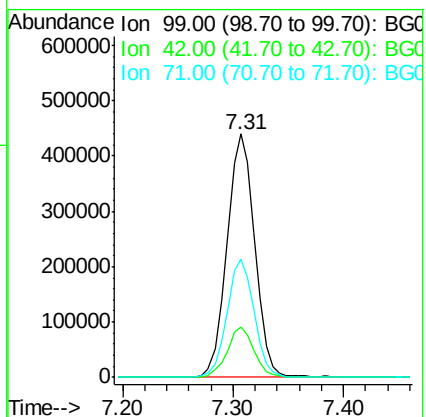
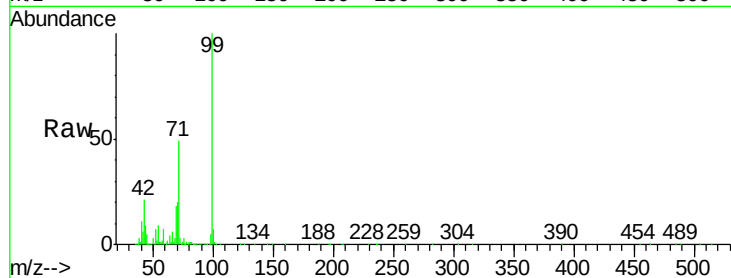
Tgt Ion: 99 Resp: 775324

Ion Ratio Lower Upper

99 100

42 20.8 17.8 26.6

71 48.8 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Tgt Ion: 136 Resp: 631889

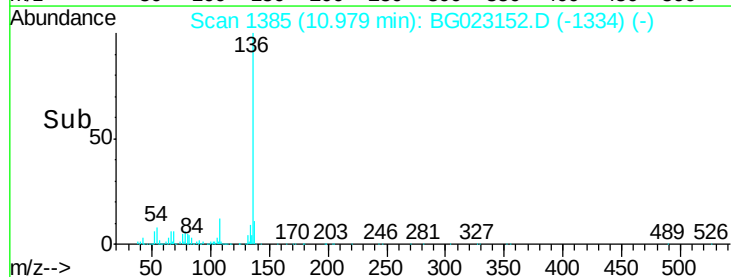
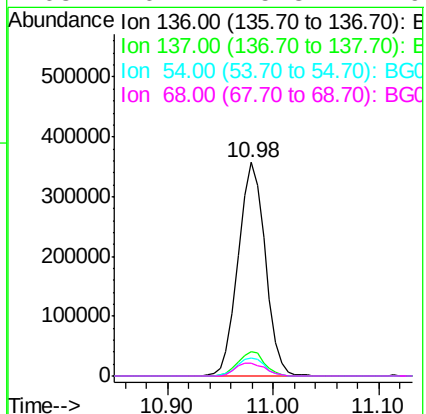
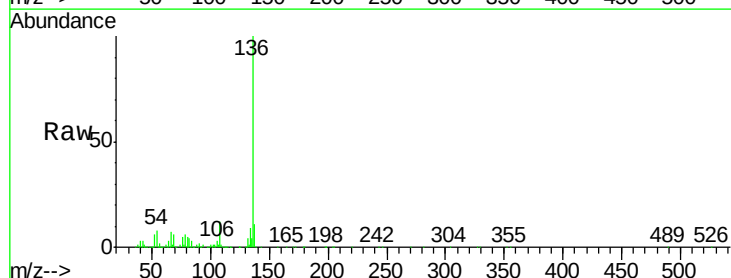
Ion Ratio Lower Upper

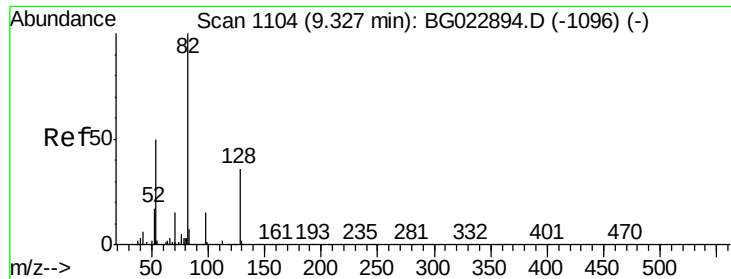
136 100

137 11.1 9.6 14.4

54 8.3 7.3 10.9

68 6.1 5.3 7.9

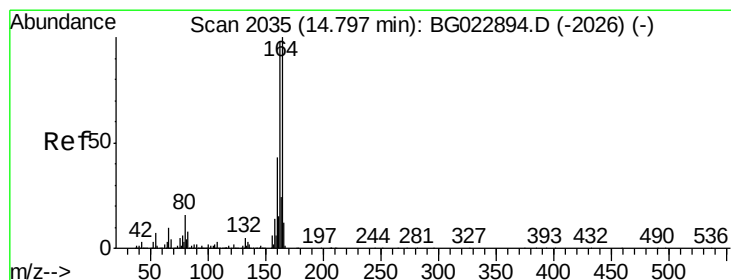
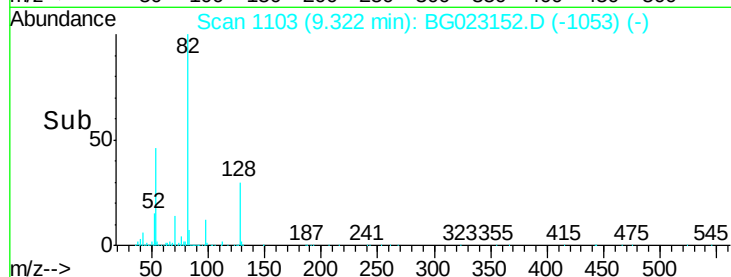
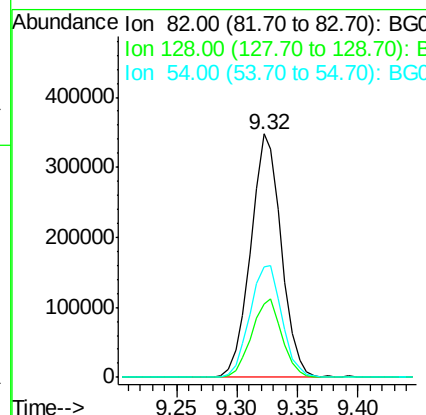
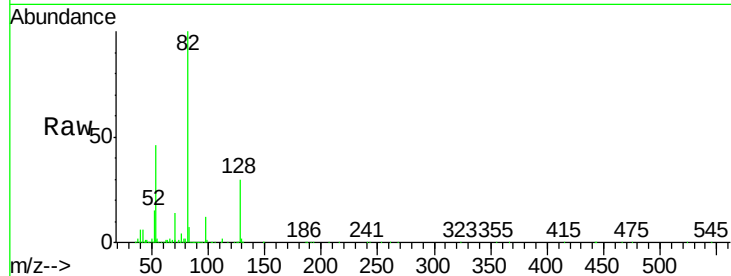




#23
 Nitrobenzene-d5
 Concen: 41.56 ng
 RT: 9.32 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: BG023152.D
 Acq: 16 Jul 2016 18:23

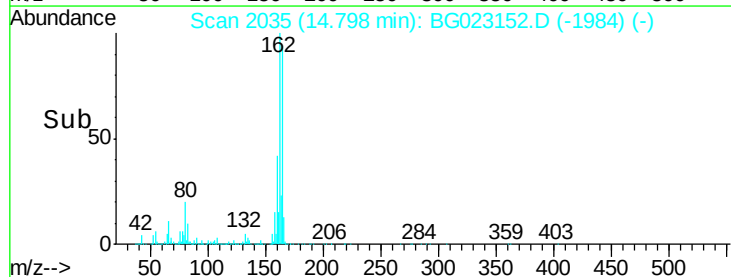
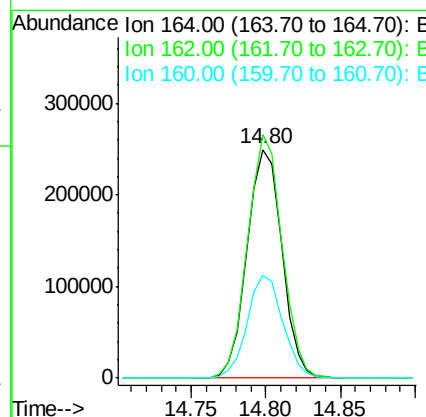
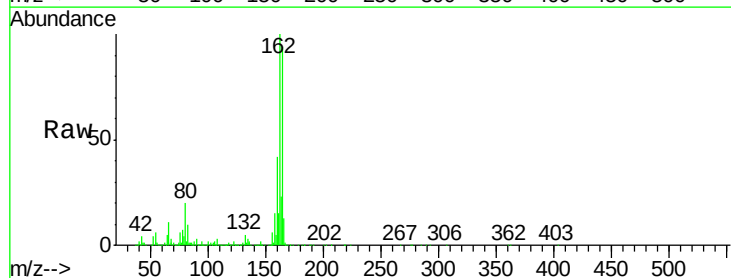
Instrument :
 BNA_G
 ClientSampleId :
 LSS-SB-SB06(0-2ft)

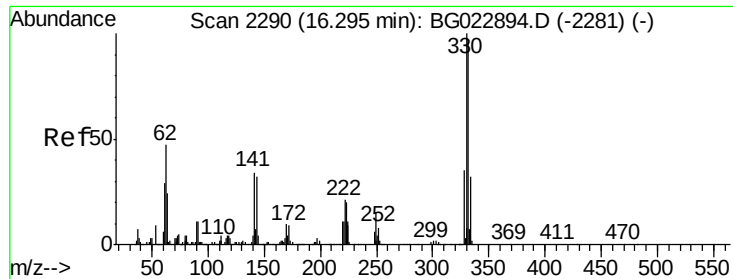
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.0	24.4	36.6
54	45.6	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BG023152.D
 Acq: 16 Jul 2016 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	87.7	131.5
160	44.8	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 42.32 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

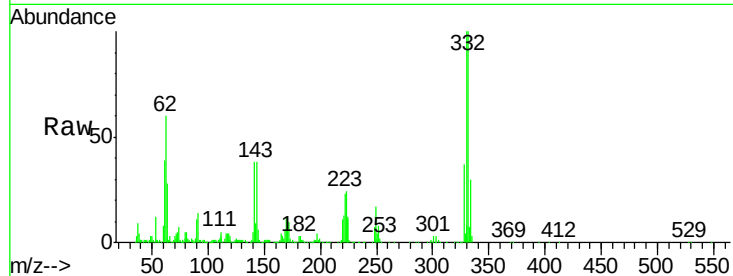
Tgt Ion:330 Resp: 306806

Ion Ratio Lower Upper

330 100

332 93.0 77.4 116.2

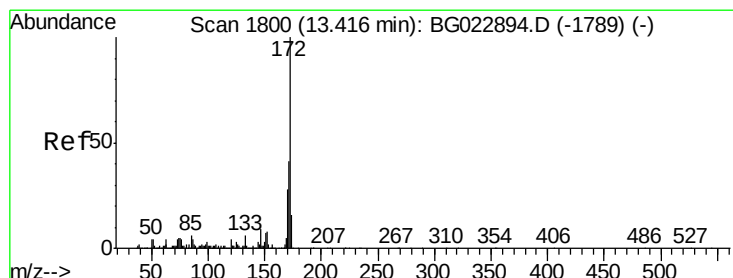
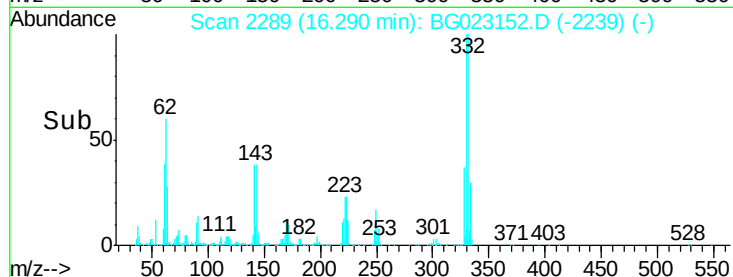
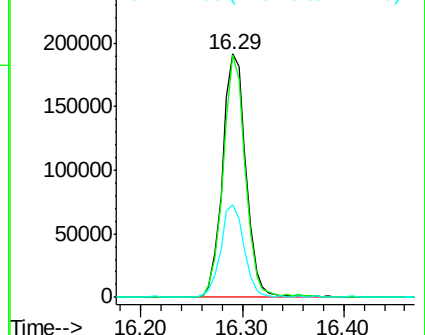
141 37.8 31.7 47.5



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: 46.43 ng

RT: 13.42 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

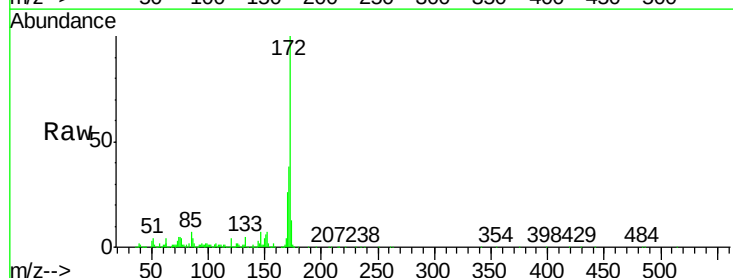
Tgt Ion:172 Resp: 1189049

Ion Ratio Lower Upper

172 100

171 38.1 31.6 47.4

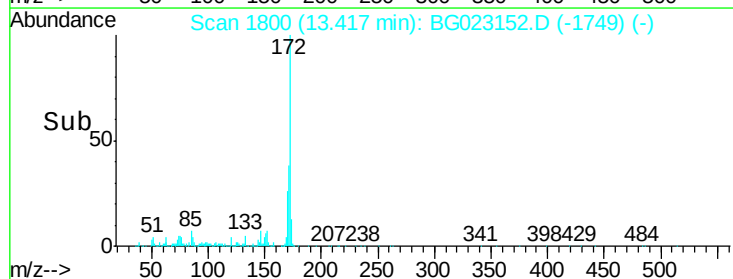
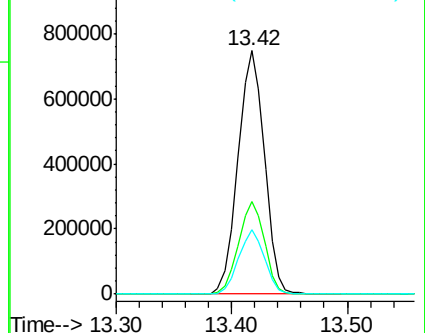
170 26.2 21.3 31.9

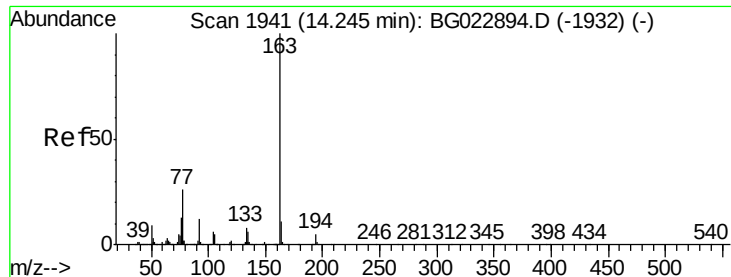


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.94 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

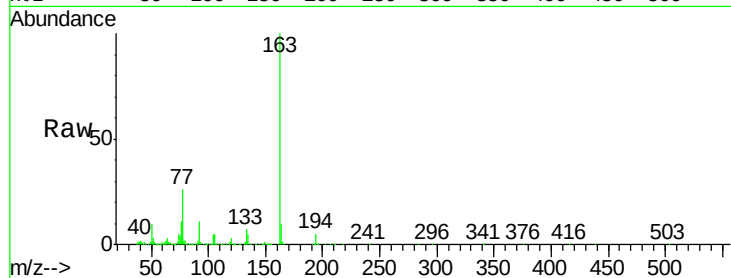
Tgt Ion:163 Resp: 393306

Ion Ratio Lower Upper

163 100

194 5.0 3.6 5.4

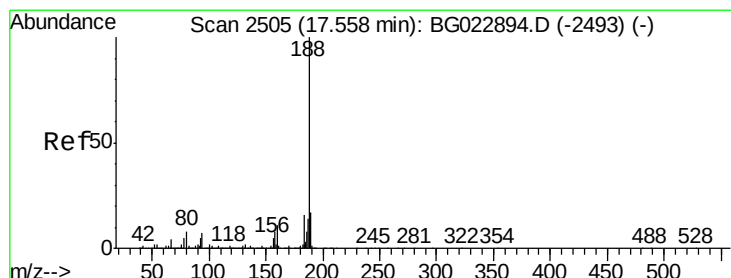
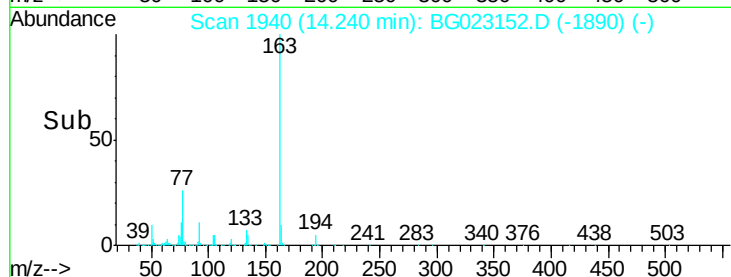
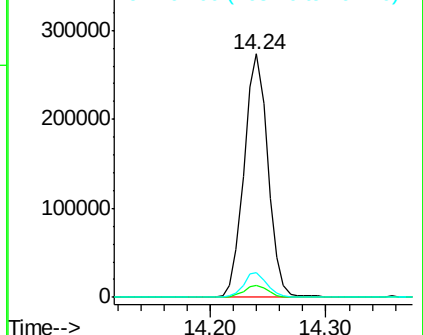
164 9.9 8.1 12.1



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: 17.55 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

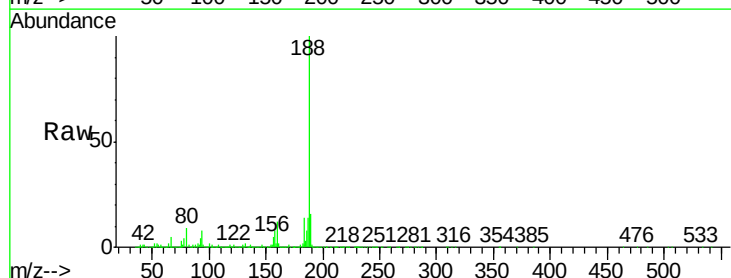
Tgt Ion:188 Resp: 855335

Ion Ratio Lower Upper

188 100

94 7.6 5.2 7.8

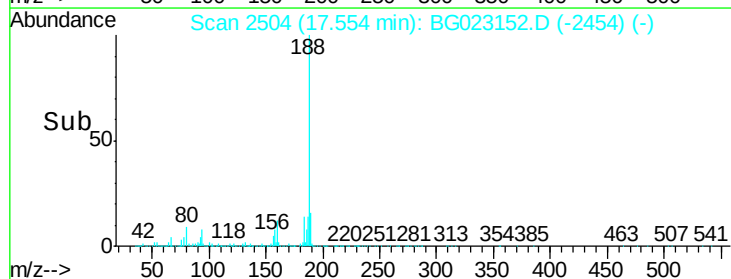
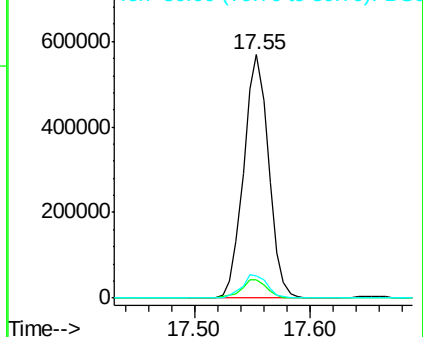
80 9.1 7.2 10.8

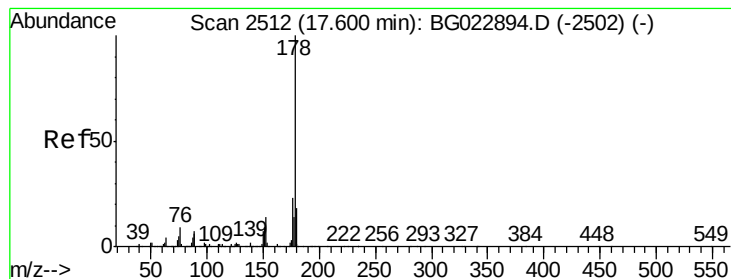


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 11.70 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

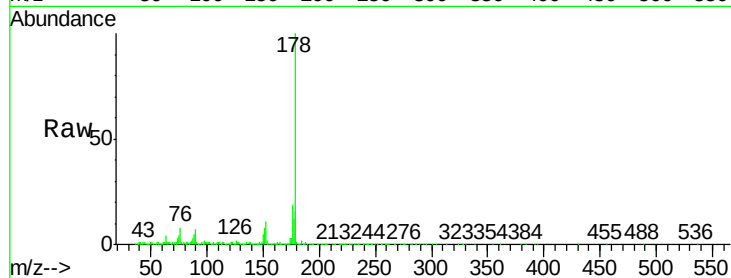
Tgt Ion:178 Resp: 490540

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

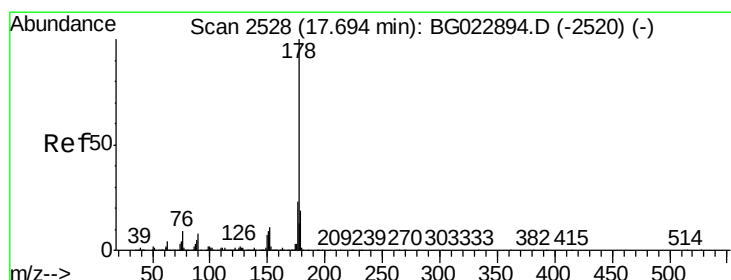
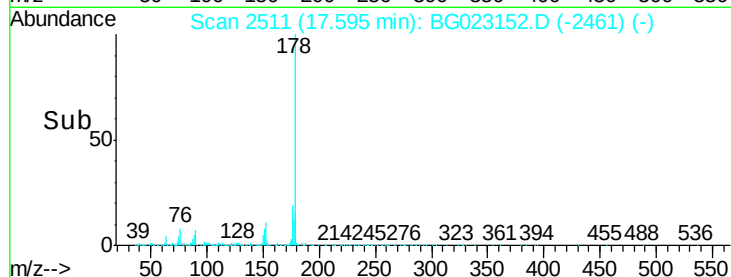
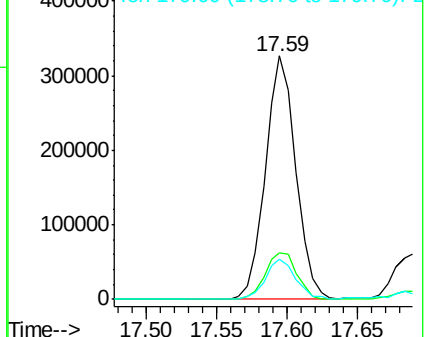
179 16.3 14.3 21.5



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: 11.56 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.10 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

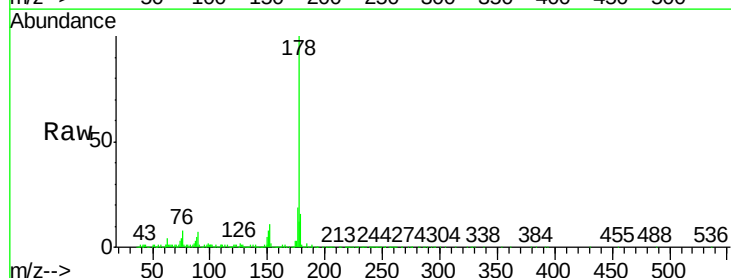
Tgt Ion:178 Resp: 490540

Ion Ratio Lower Upper

178 100

176 19.1 17.3 25.9

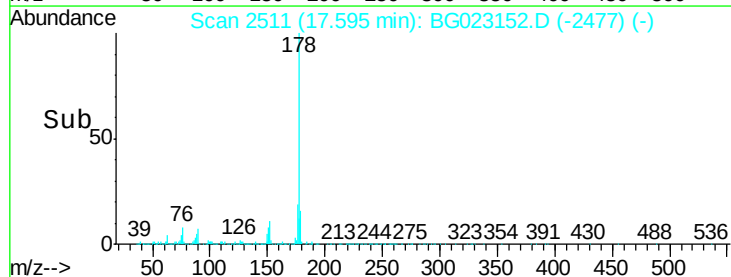
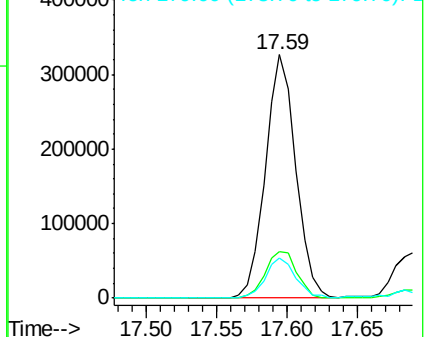
179 16.3 14.0 21.0

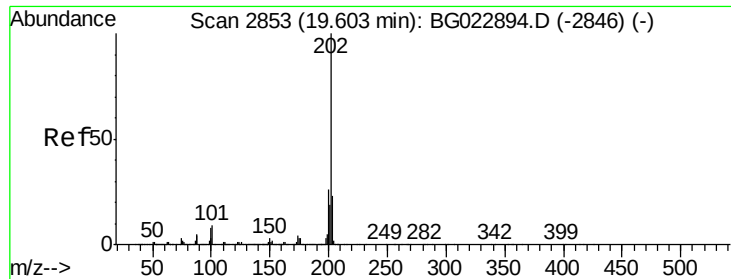


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.09 ng

RT: 19.60 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

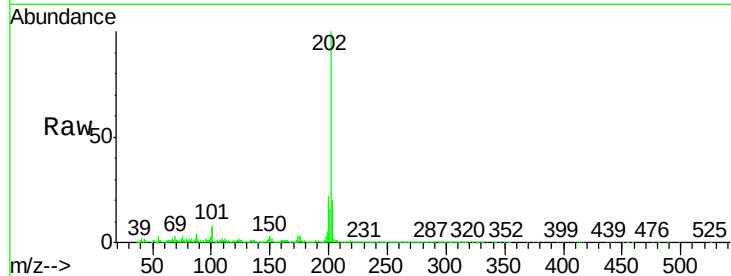
Tgt Ion:202 Resp: 827699

Ion Ratio Lower Upper

202 100

101 7.8 0.0 27.4

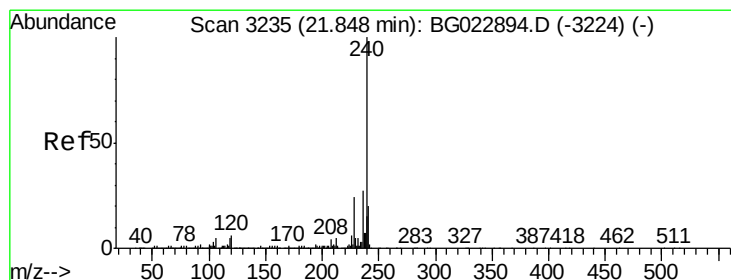
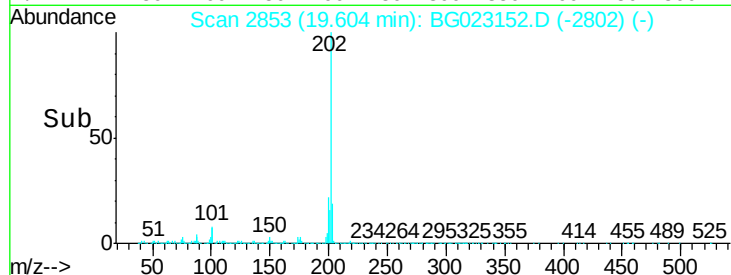
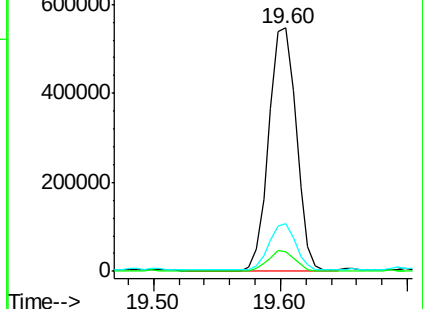
203 19.6 1.7 41.7



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: 21.86 min Scan# 3237

Delta R.T. 0.01 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

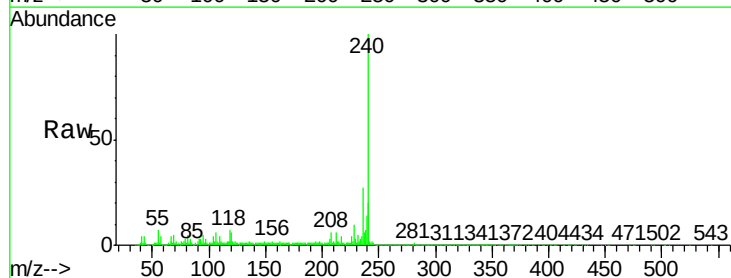
Tgt Ion:240 Resp: 866157

Ion Ratio Lower Upper

240 100

120 6.3 4.1 6.1#

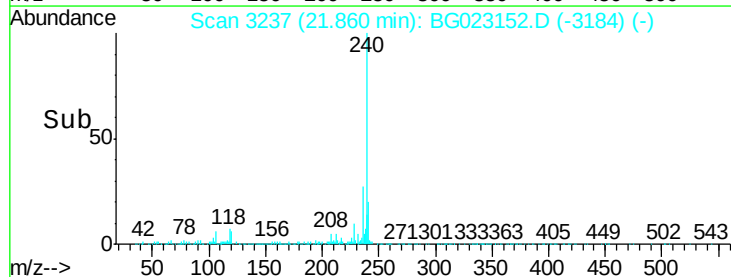
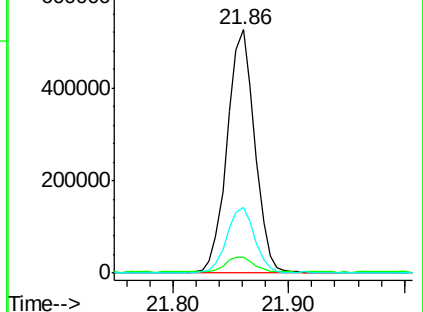
236 27.1 21.1 31.7

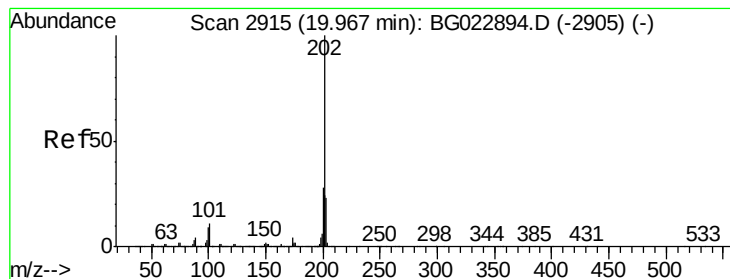


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.64 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

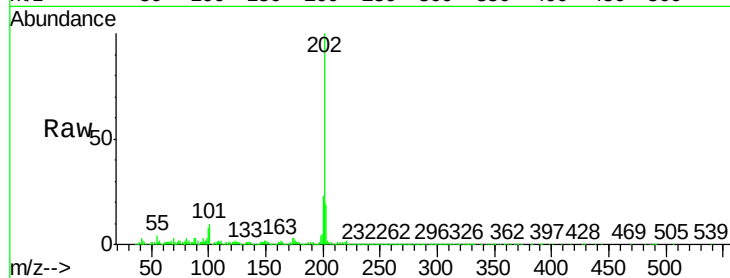
Tgt Ion:202 Resp: 858460

Ion Ratio Lower Upper

202 100

200 22.7 21.2 31.8

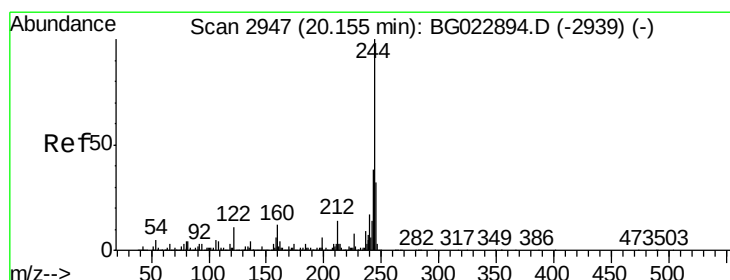
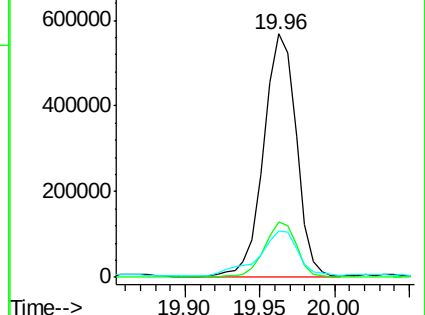
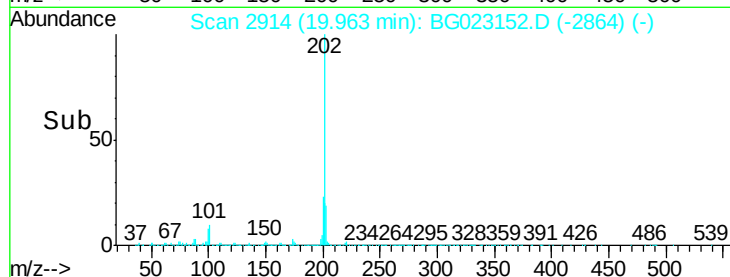
203 19.1 16.8 25.2



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: 43.32 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

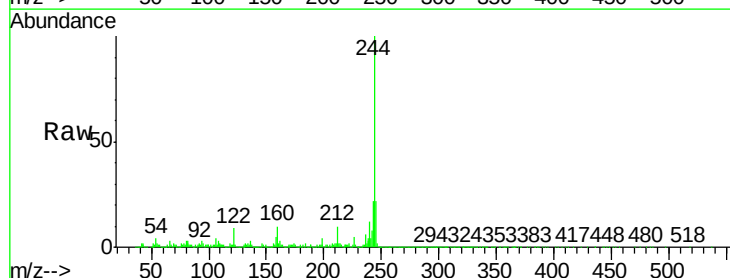
Tgt Ion:244 Resp: 1448419

Ion Ratio Lower Upper

244 100

212 10.3 10.8 16.2#

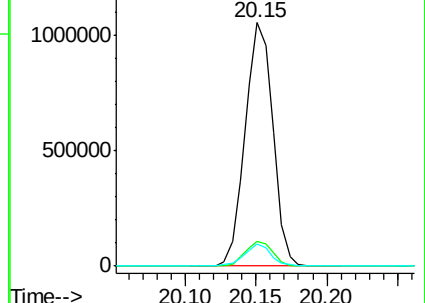
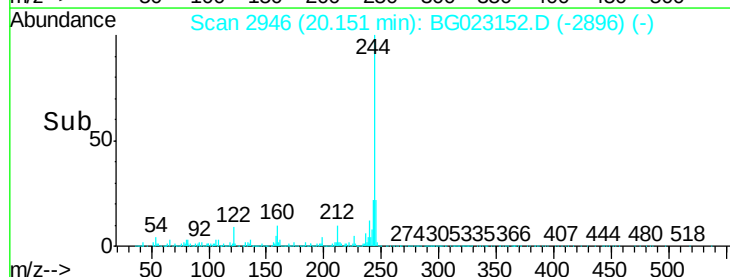
122 9.0 8.0 12.0

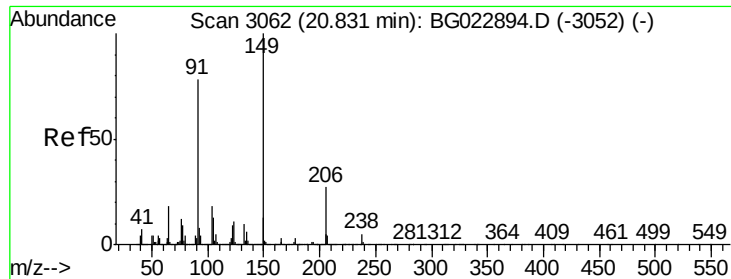


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 4.34 ng

RT: 20.84 min Scan# 3063

Delta R.T. 0.01 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

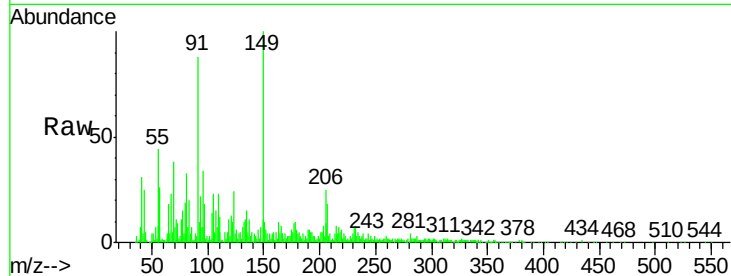
Tgt Ion:149 Resp: 83759

Ion Ratio Lower Upper

149 100

91 88.0 68.1 102.1

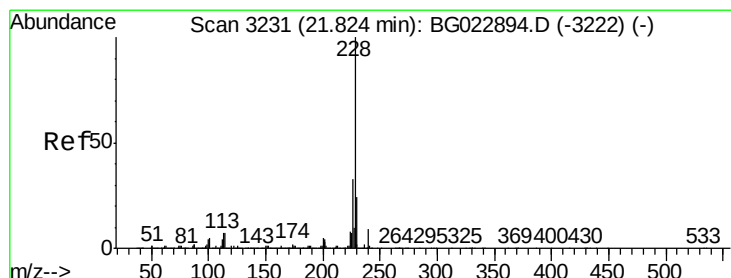
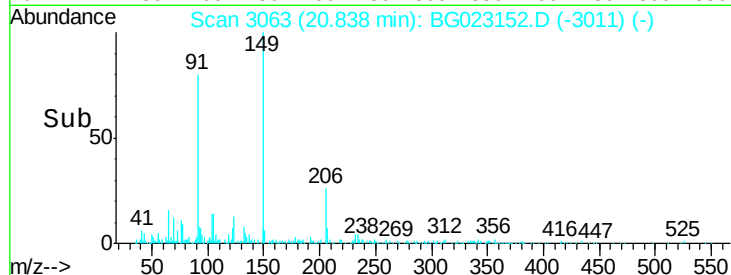
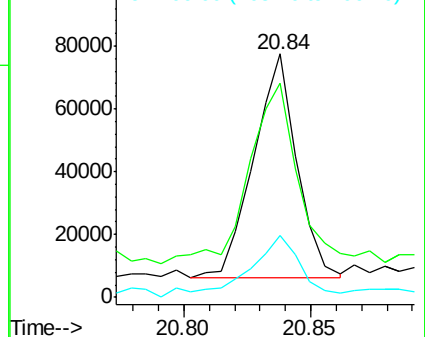
206 25.3 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 9.52 ng

RT: 21.84 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

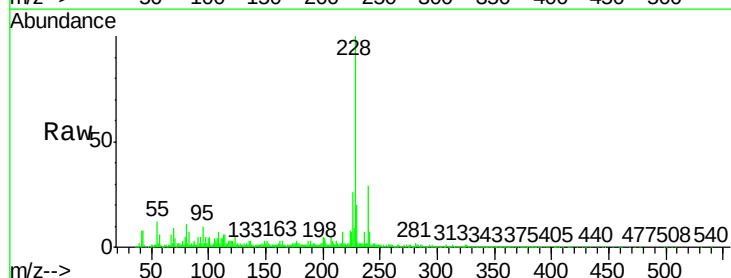
Tgt Ion:228 Resp: 461475

Ion Ratio Lower Upper

228 100

226 26.1 25.3 37.9

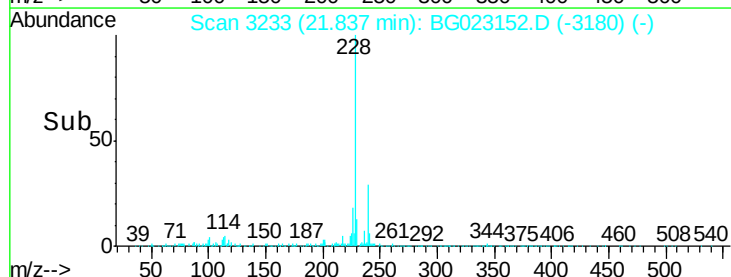
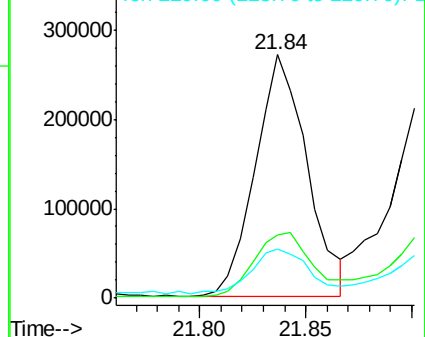
229 20.1 19.9 29.9

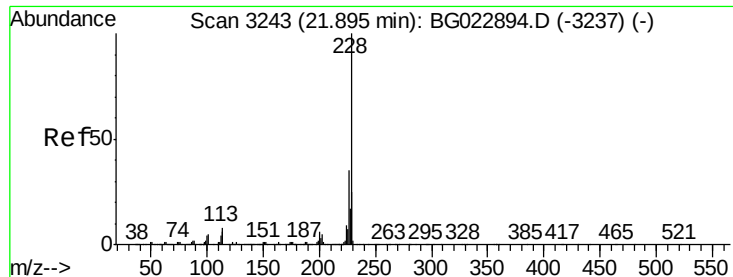


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.76 ng

RT: 21.91 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

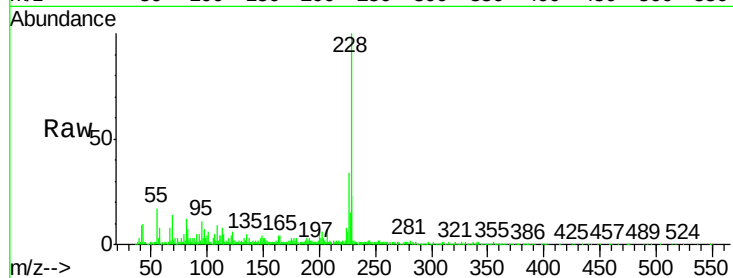
Tgt Ion:228 Resp: 443768

Ion Ratio Lower Upper

228 100

226 33.5 26.7 40.1

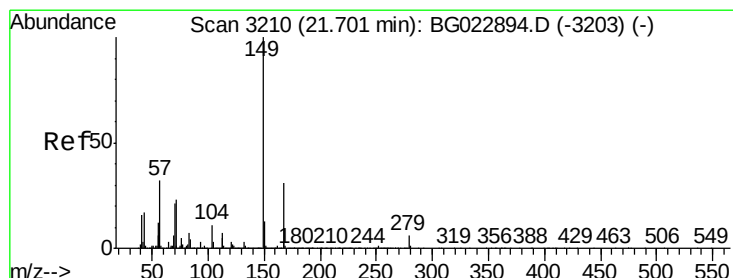
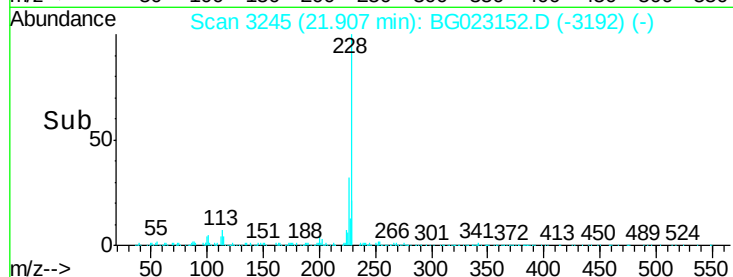
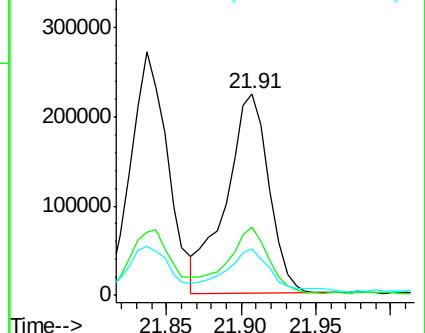
229 23.1 17.4 26.2



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: 23.51 ng

RT: 21.71 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

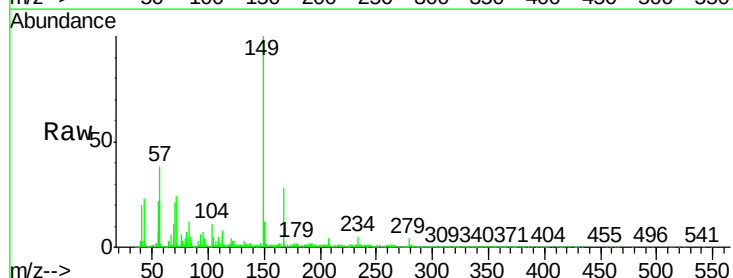
Tgt Ion:149 Resp: 629483

Ion Ratio Lower Upper

149 100

167 28.4 24.0 36.0

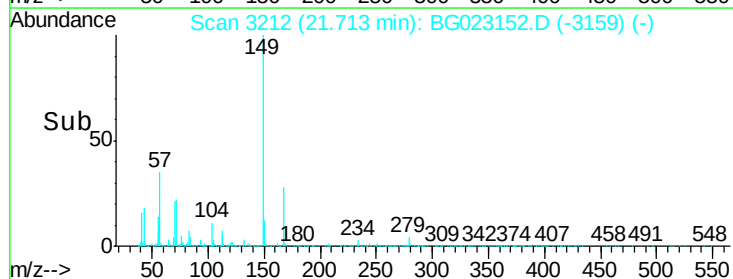
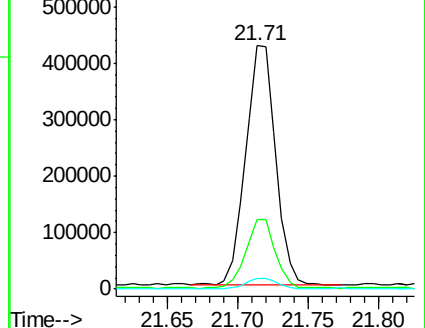
279 4.3 4.8 7.2#

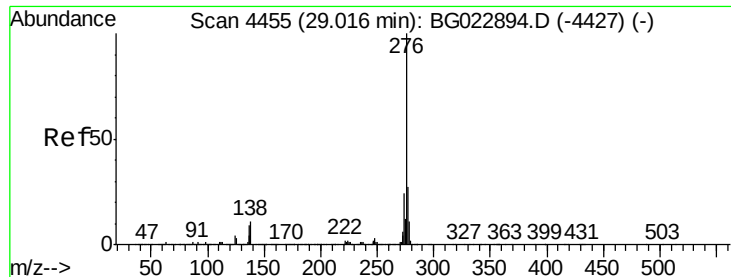


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.98 ng

RT: 29.09 min Scan# 4467

Delta R.T. 0.07 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

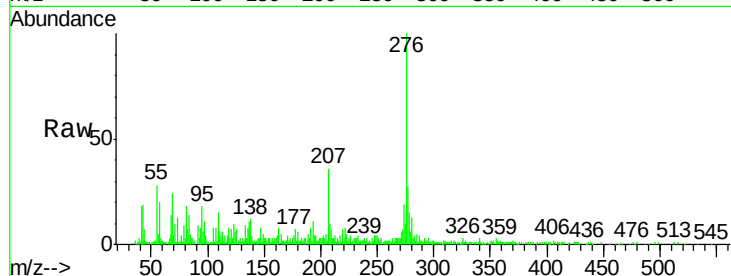
Tgt Ion:276 Resp: 230807

Ion Ratio Lower Upper

276 100

138 4.3 0.0 0.0#

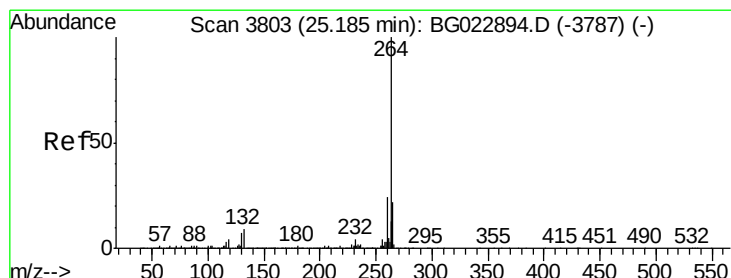
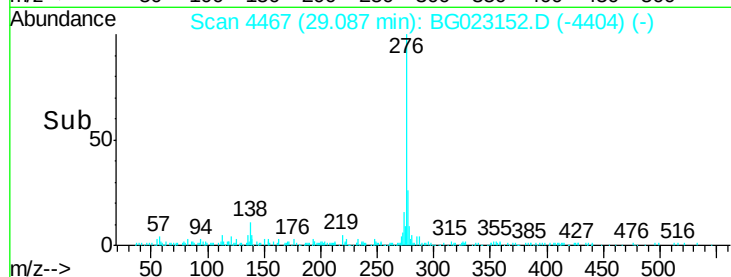
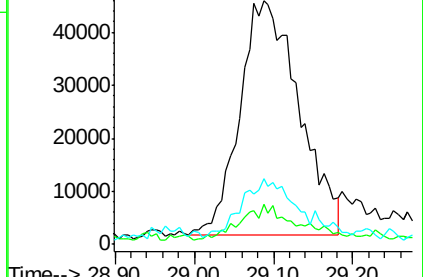
277 21.0 0.0 0.0#



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: 25.24 min Scan# 3812

Delta R.T. 0.05 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

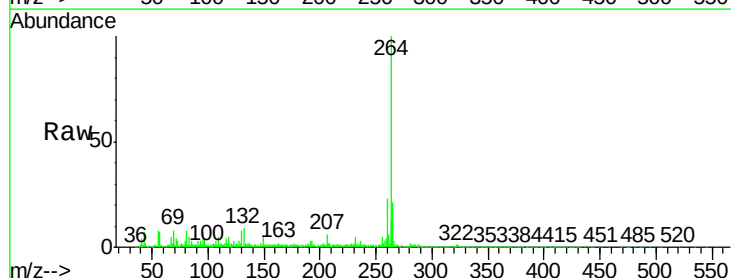
Tgt Ion:264 Resp: 868623

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

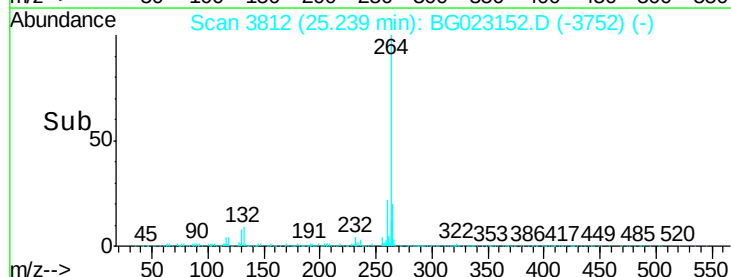
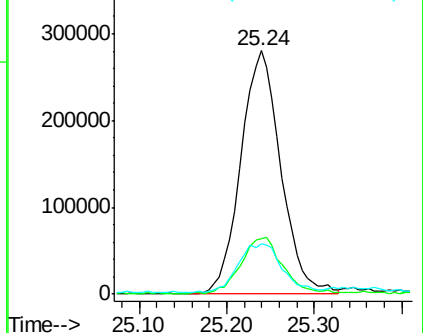
265 20.5 18.9 28.3

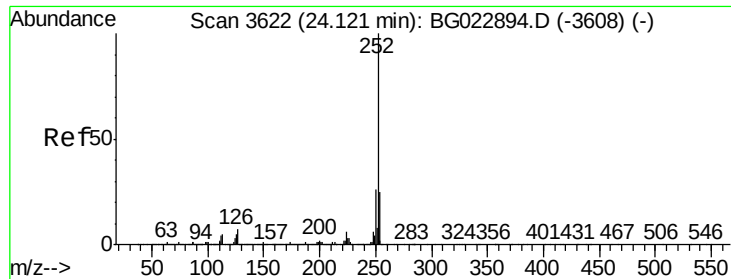


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.80 ng

RT: 24.16 min Scan# 3628

Delta R.T. 0.04 min

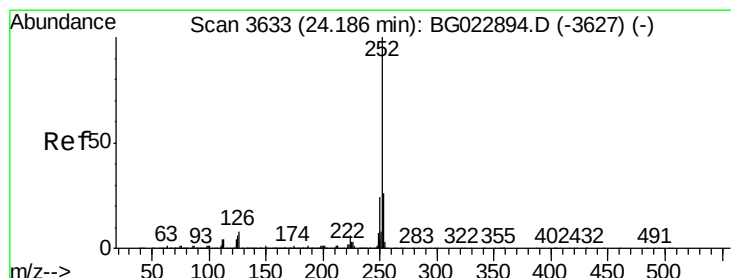
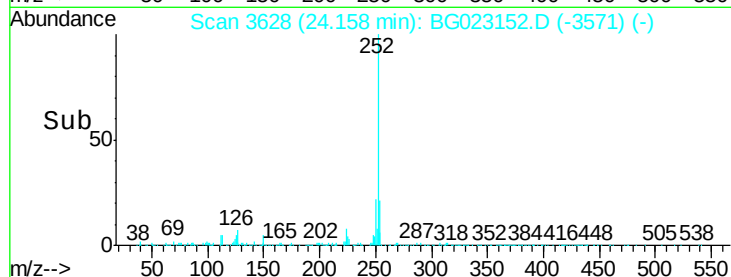
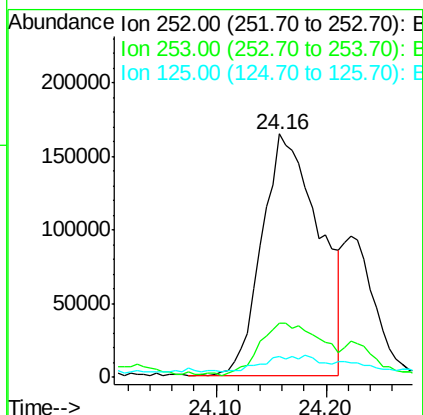
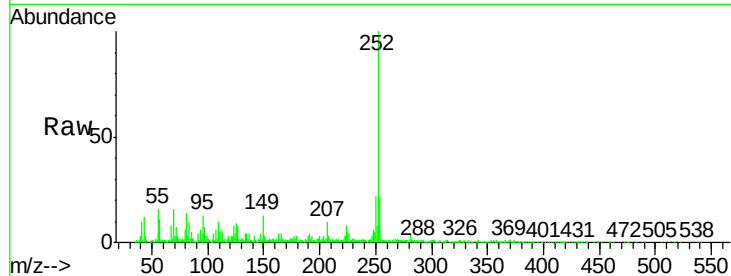
Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :
BNA_G
ClientSampleId :
LSS-SB-SB06(0-2ft)

Tgt Ion:252 Resp: 591545

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	8.5	3.9	5.9#



#88

Benzo(k)fluoranthene

Concen: 12.44 ng

RT: 24.16 min Scan# 3628

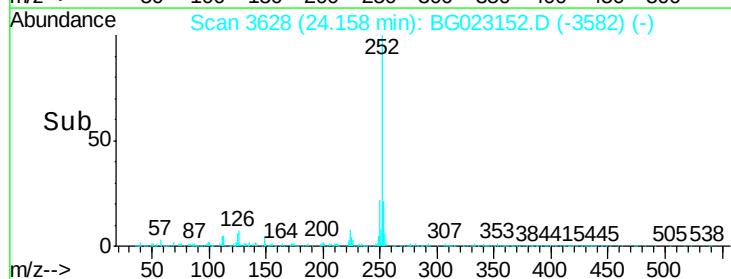
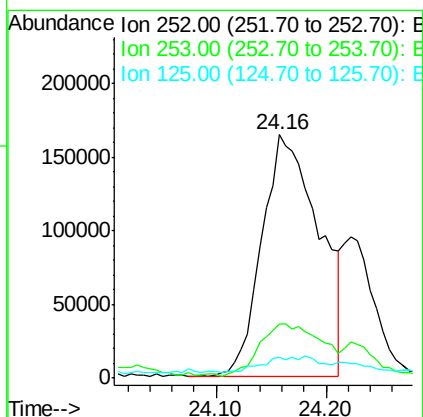
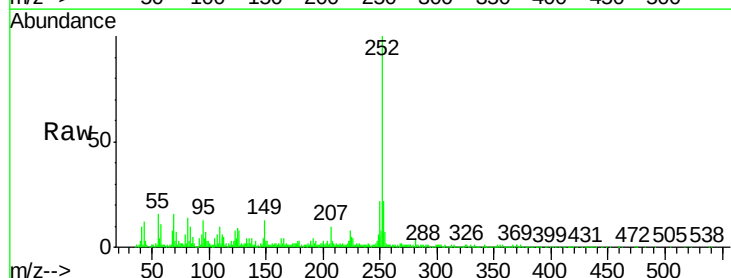
Delta R.T. -0.03 min

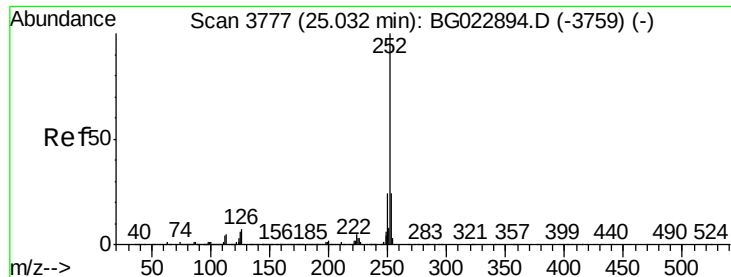
Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Tgt Ion:252 Resp: 591545

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.8	28.2
125	8.5	3.2	4.8#





#89

Benzo(a)pyrene

Concen: 8.96 ng

RT: 25.08 min Scan# 3785

Delta R.T. 0.05 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

Instrument :

BNA_G

ClientSampleId :

LSS-SB-SB06(0-2ft)

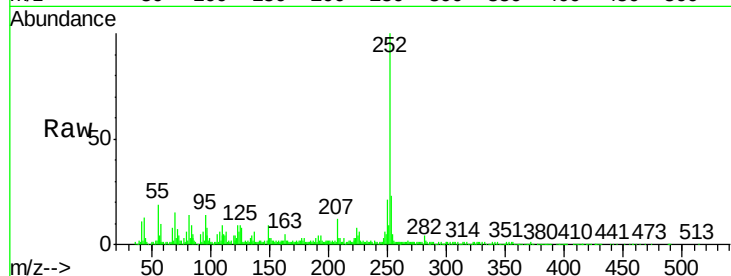
Tgt Ion:252 Resp: 430222

Ion Ratio Lower Upper

252 100

253 23.0 18.7 28.1

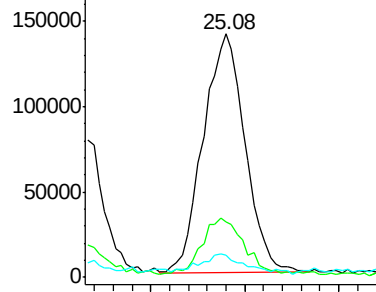
125 9.3 3.9 5.9#



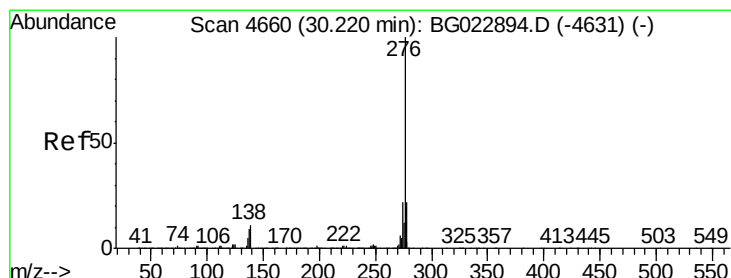
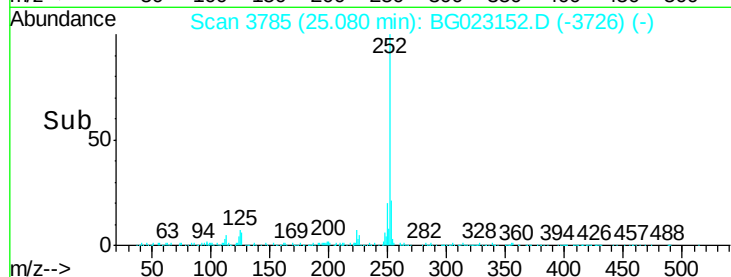
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 4.98 ng

RT: 30.30 min Scan# 4674

Delta R.T. 0.08 min

Lab File: BG023152.D

Acq: 16 Jul 2016 18:23

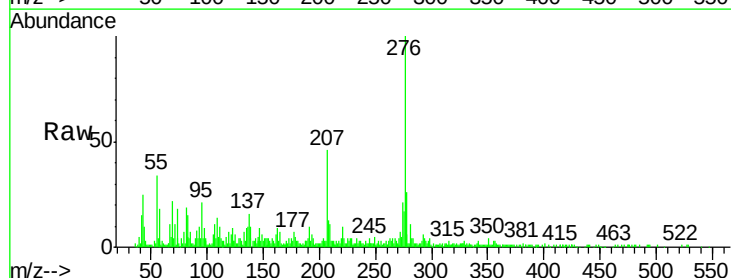
Tgt Ion:276 Resp: 237934

Ion Ratio Lower Upper

276 100

277 25.5 18.6 27.8

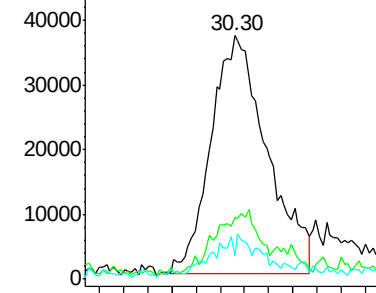
138 9.8 6.8 10.2



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



Time-->

