

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
 Data File : BG023149.D
 Acq On : 16 Jul 2016 16:22
 Operator : UM/SJ
 Sample : H4018-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D8-B3(0-6)C

Quant Time: Jul 18 01:20:48 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	144524	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	632067	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	421065	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	902959	20.00	ng	0.00
75) Chrysene-d12	21.86	240	965423	20.00	ng	0.01
86) Perylene-d12	25.22	264	962885	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	833479	94.32	ng	0.00
7) Phenol-d6	7.31	99	1320496	95.41	ng	0.00
23) Nitrobenzene-d5	9.33	82	975031	66.05	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	564954	74.65	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1788987	66.92	ng	0.00
78) Terphenyl-d14	20.15	244	2177538	65.46	ng	0.00

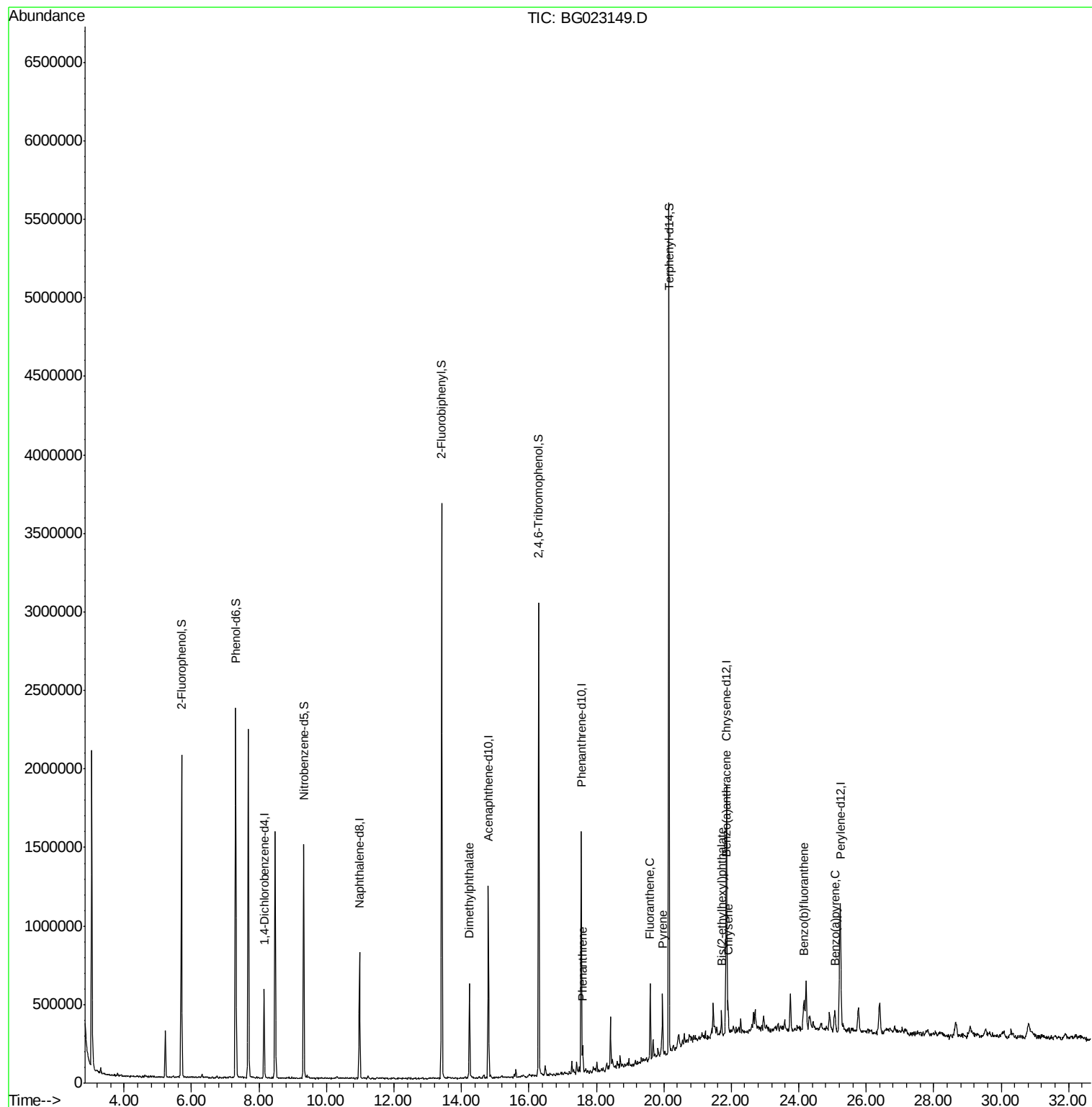
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.24	163	356718	10.37	ng	99
70) Phenanthrene	17.59	178	101196	2.29	ng	# 87
74) Fluoranthene	19.60	202	282181	5.20	ng	93
77) Pyrene	19.96	202	252689	4.66	ng	# 91
80) Benzo(a)anthracene	21.83	228	140818	2.61	ng	94
82) Chrysene	21.91	228	173130	3.42	ng	94
83) Bis(2-ethylhexyl)phthalate	21.71	149	62546	2.10	ng	# 89
87) Benzo(b)fluoranthene	24.16	252	262304	4.72	ng	# 99
89) Benzo(a)pyrene	25.07	252	162310	3.05	ng	# 97

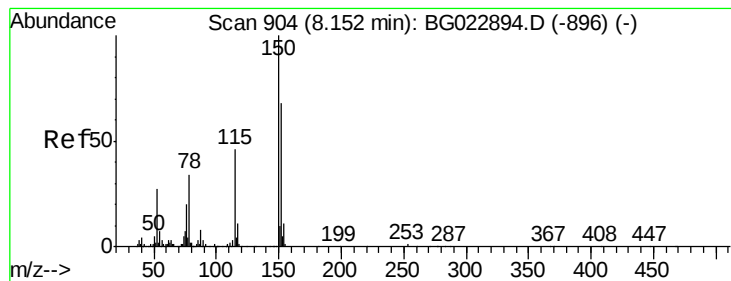
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

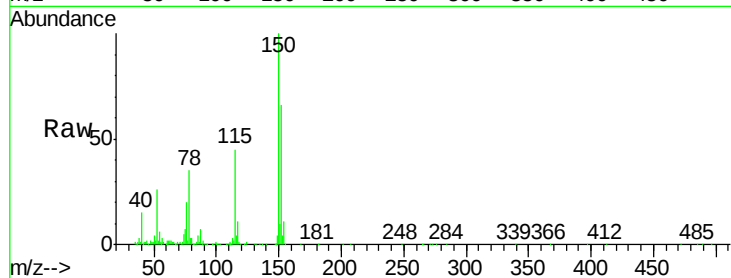
Tgt Ion:152 Resp: 144524

Ion Ratio Lower Upper

152 100

150 150.8 144.7 217.1

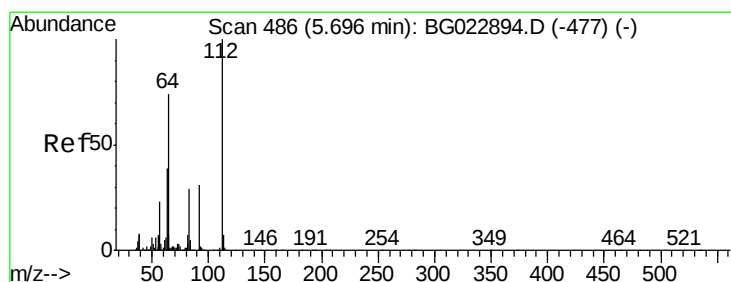
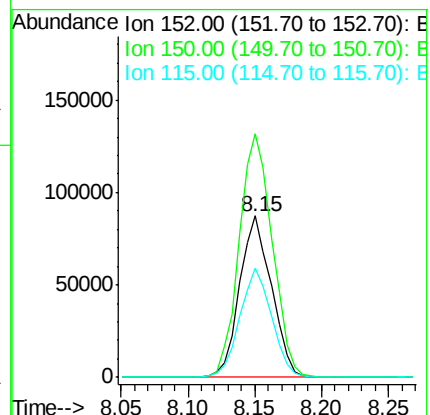
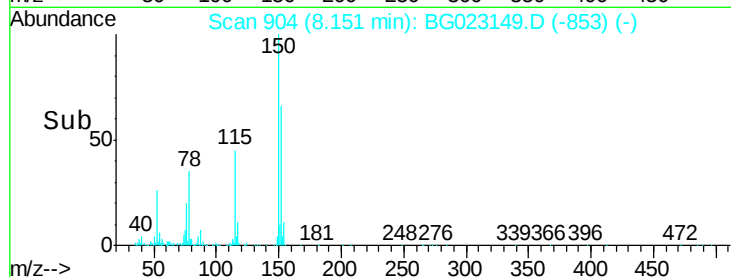
115 67.6 64.0 96.0



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: 94.32 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

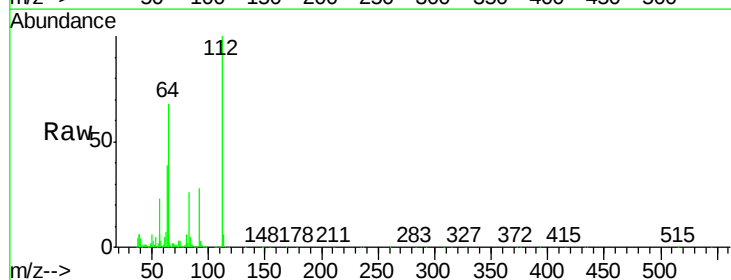
Tgt Ion:112 Resp: 833479

Ion Ratio Lower Upper

112 100

64 67.7 59.0 88.4

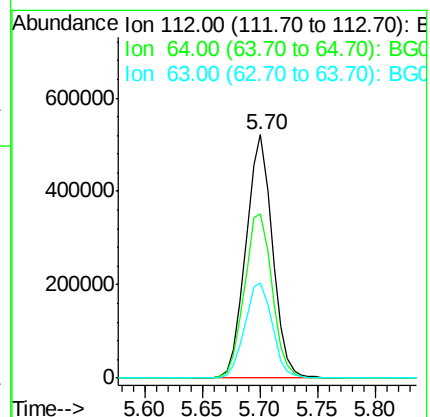
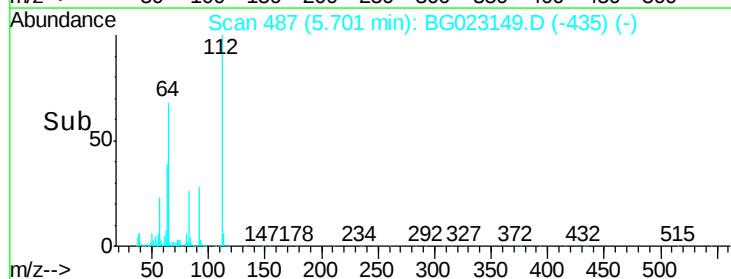
63 39.0 37.8 56.8

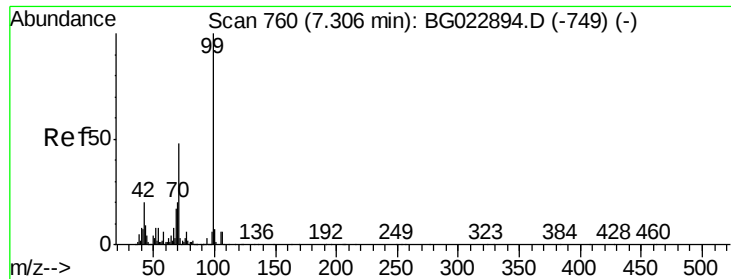


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 95.41 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

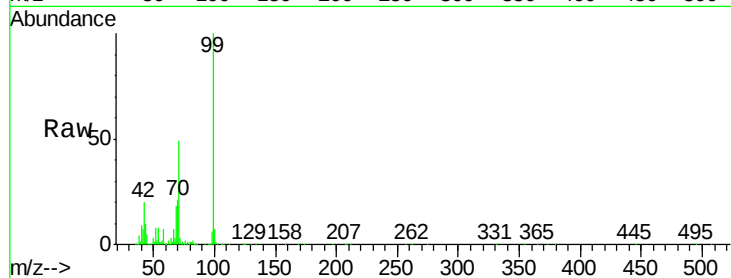
Tgt Ion: 99 Resp: 1320496

Ion Ratio Lower Upper

99 100

42 20.1 17.8 26.6

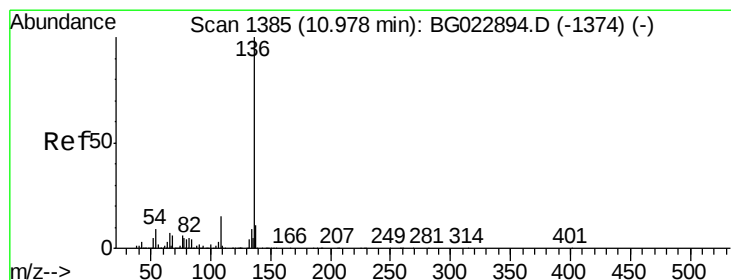
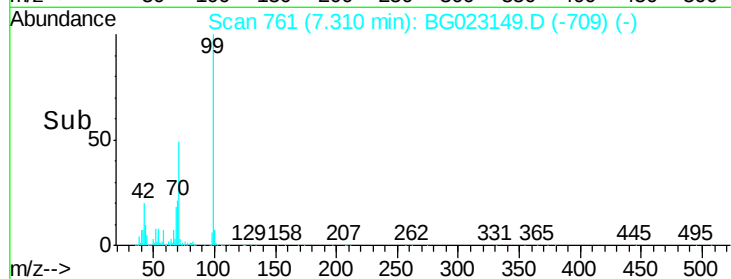
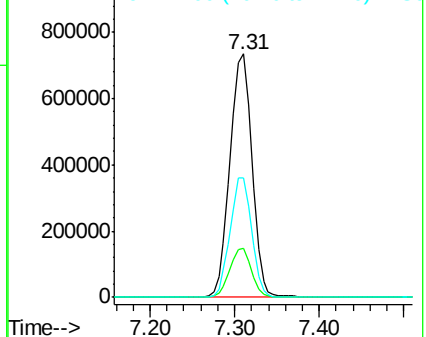
71 49.2 41.5 62.3



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: 10.98 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Tgt Ion: 136 Resp: 632067

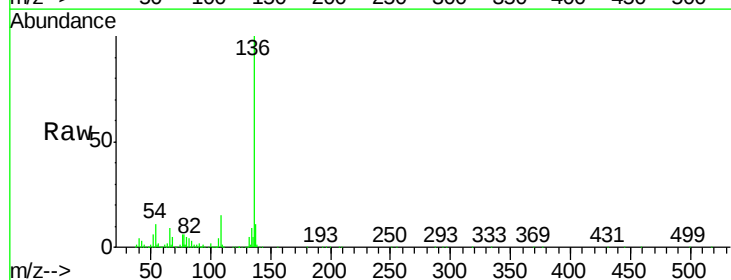
Ion Ratio Lower Upper

136 100

137 11.2 9.6 14.4

54 10.9 7.3 10.9

68 5.5 5.3 7.9

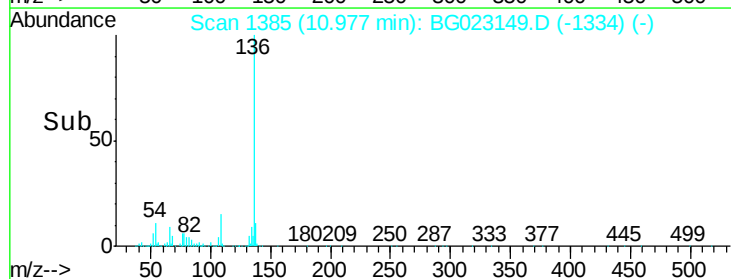
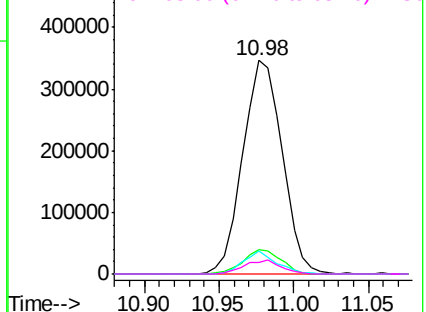


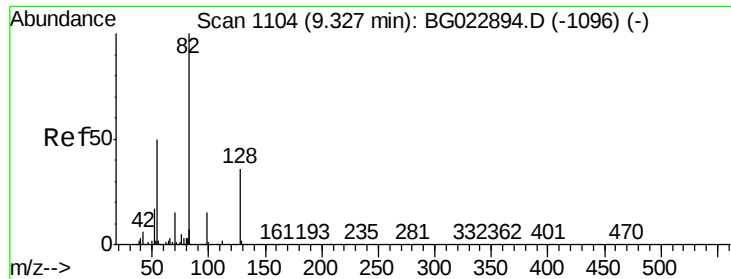
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

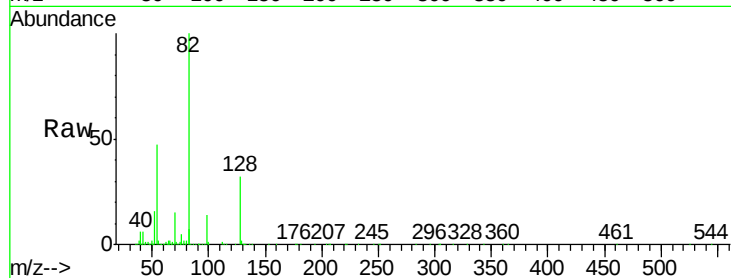




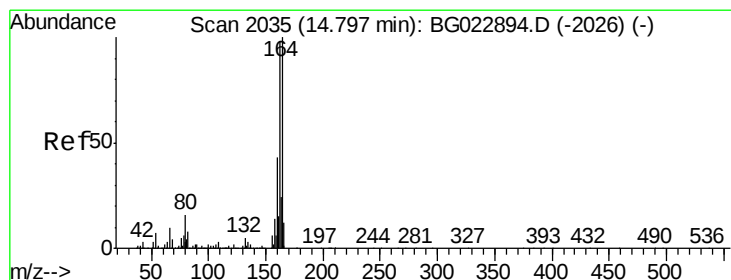
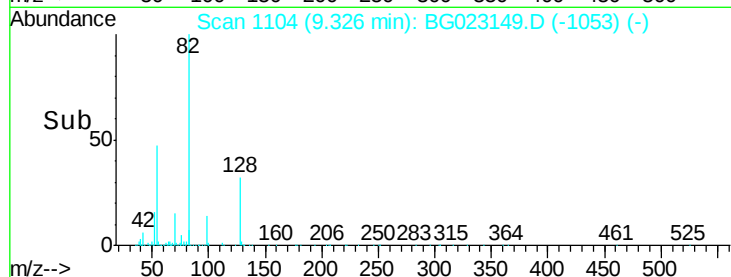
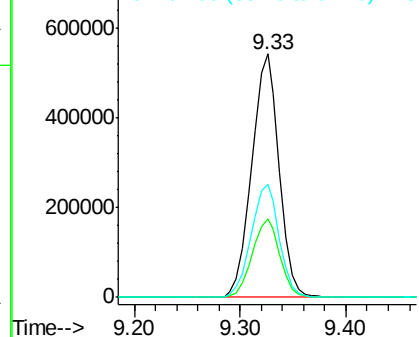
#23
Nitrobenzene-d5
Concen: 66.05 ng
RT: 9.33 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	46.7	41.4	62.0

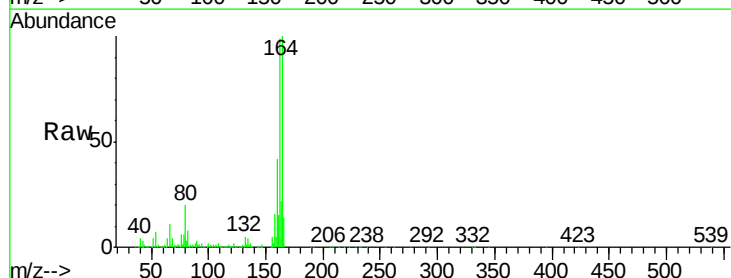


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

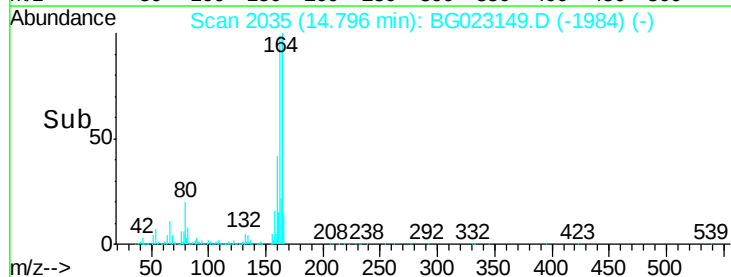
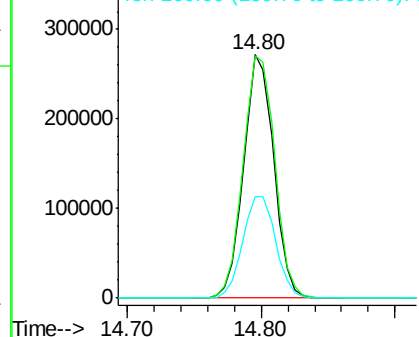


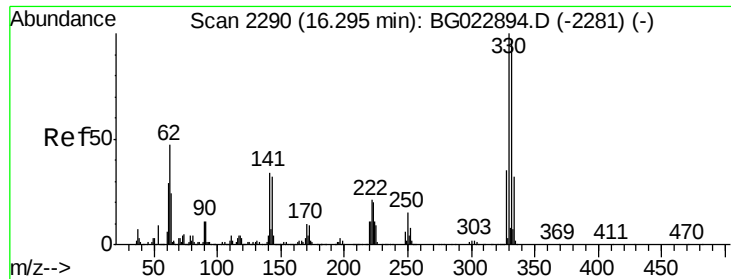
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	87.7	131.5
160	41.8	37.2	55.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 74.65 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

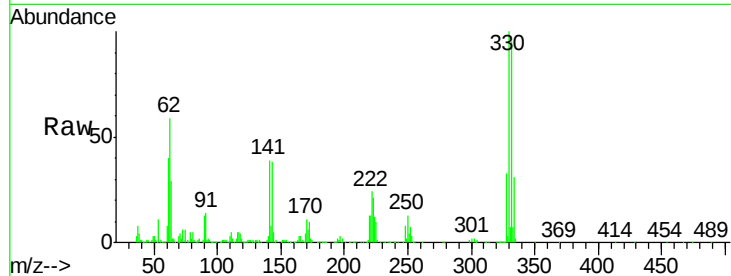
Tgt Ion:330 Resp: 564954

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

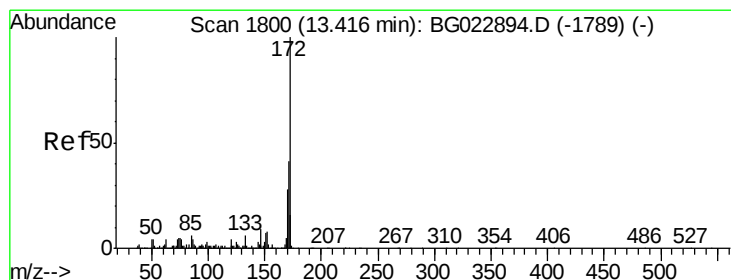
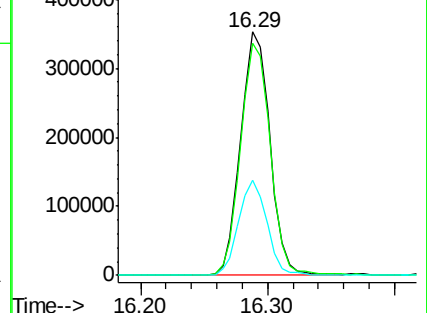
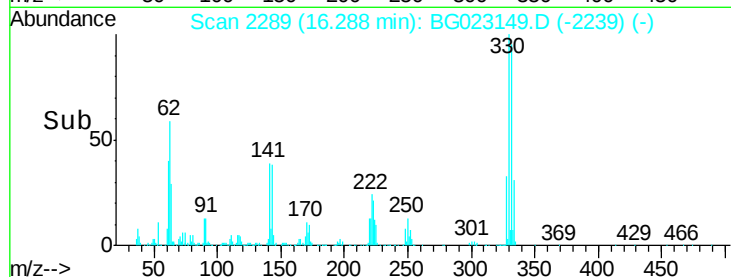
141 37.7 31.7 47.5



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: 66.92 ng

RT: 13.41 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

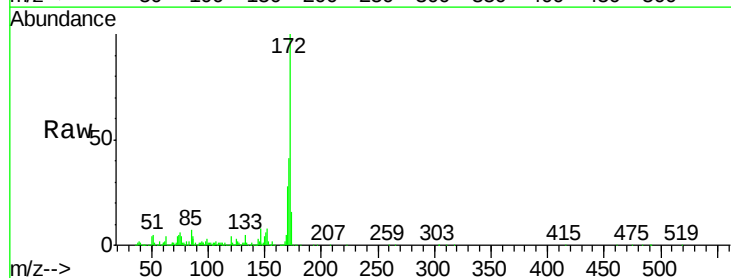
Tgt Ion:172 Resp: 1788987

Ion Ratio Lower Upper

172 100

171 41.3 31.6 47.4

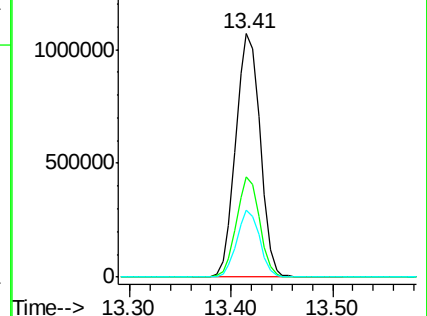
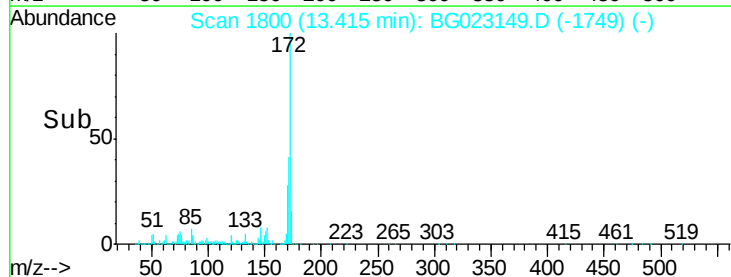
170 27.5 21.3 31.9



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

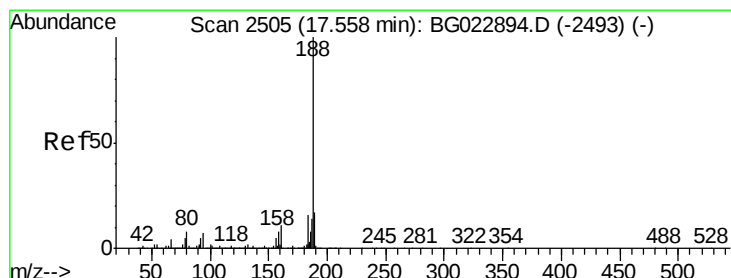
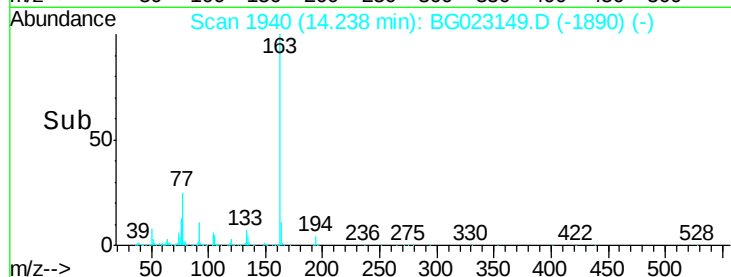
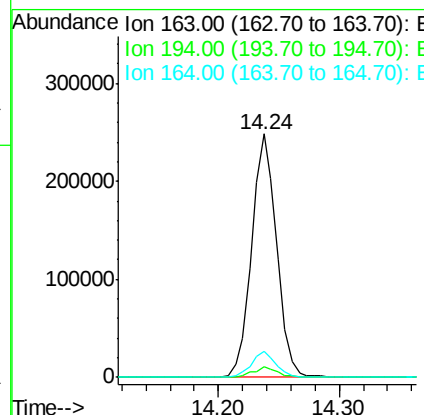
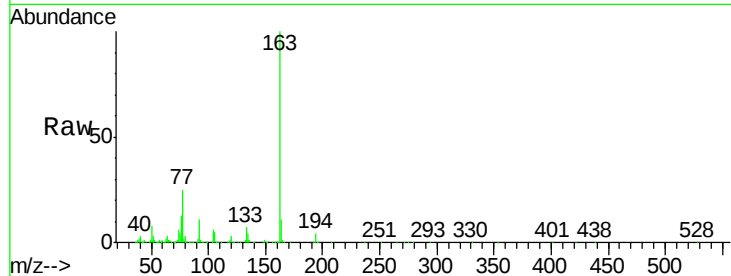




#49
Dimethylphthalate
Concen: 10.37 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

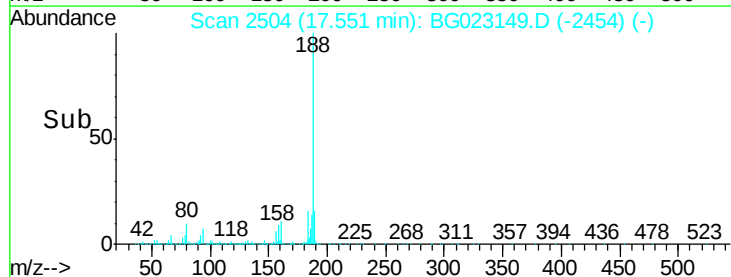
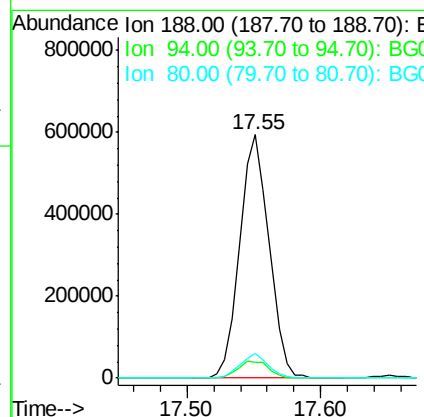
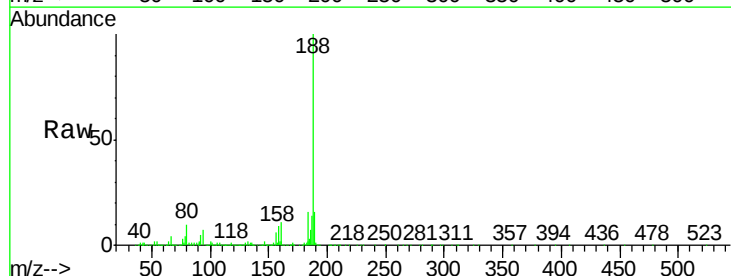
Instrument :
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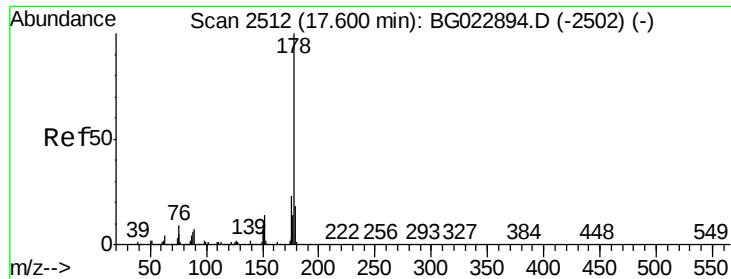
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.5	8.1	12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.2	7.8
80	10.0	7.2	10.8





#70

Phenanthrene

Concen: 2.29 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

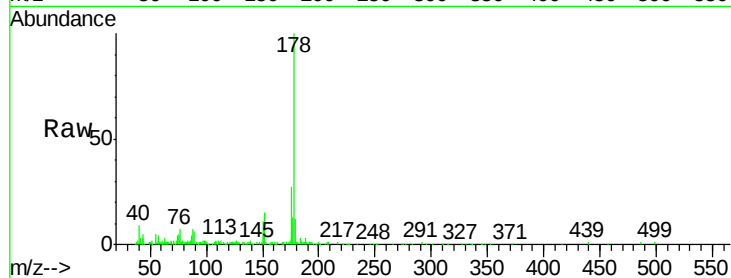
Tgt Ion:178 Resp: 101196

Ion Ratio Lower Upper

178 100

176 27.2 16.8 25.2#

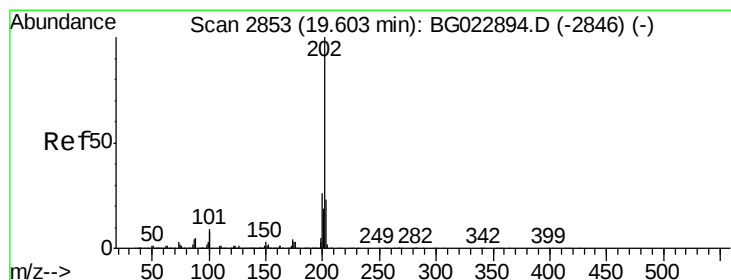
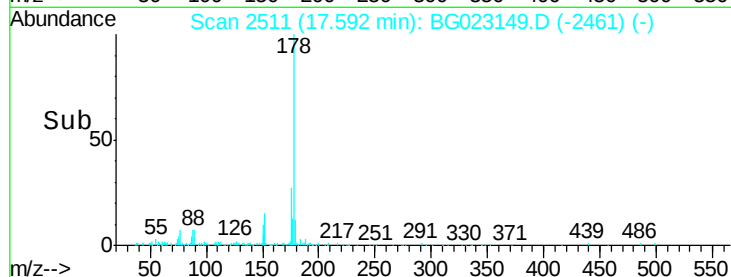
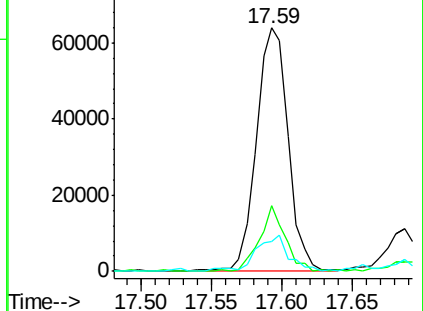
179 12.2 14.3 21.5#



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: 5.20 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

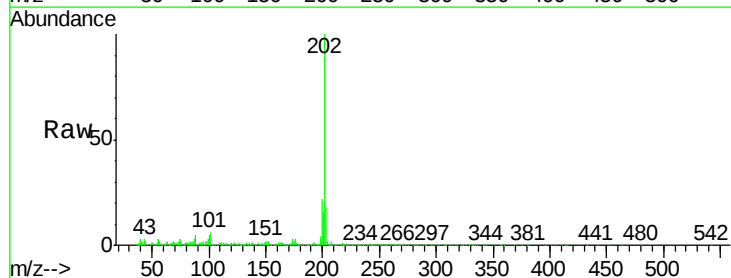
Tgt Ion:202 Resp: 282181

Ion Ratio Lower Upper

202 100

101 5.9 0.0 27.4

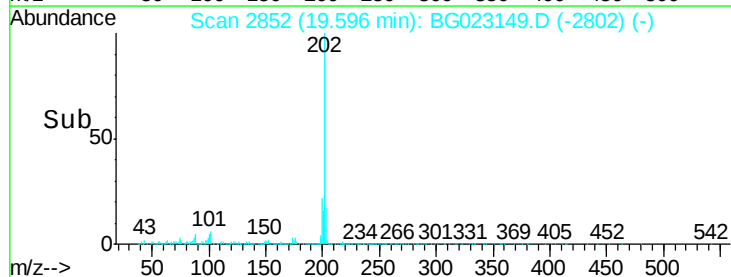
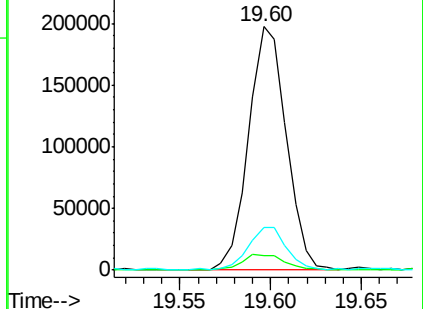
203 17.7 1.7 41.7

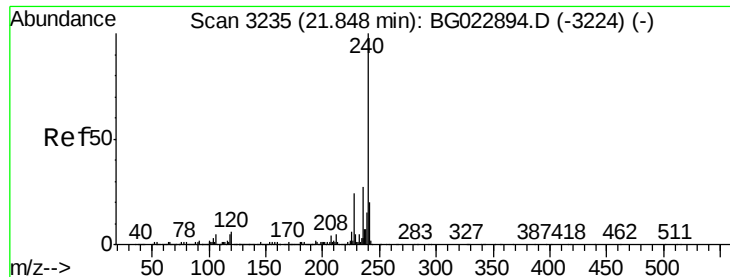


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

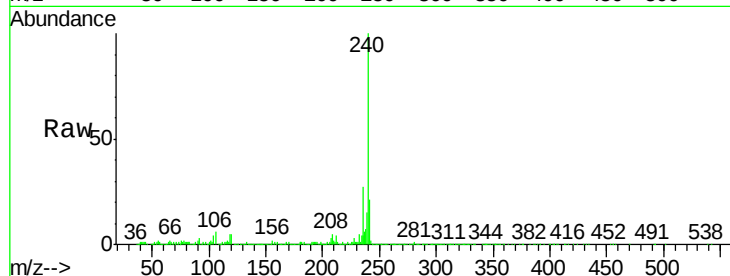
Tgt Ion:240 Resp: 965423

Ion Ratio Lower Upper

240 100

120 5.5 4.1 6.1

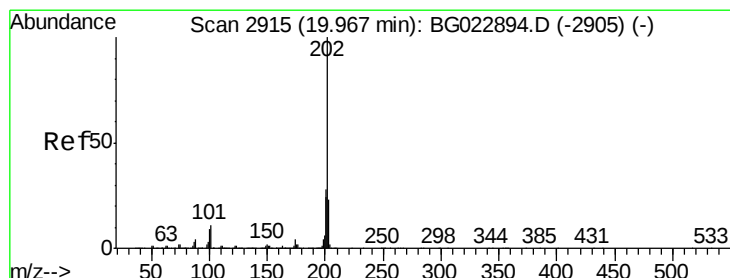
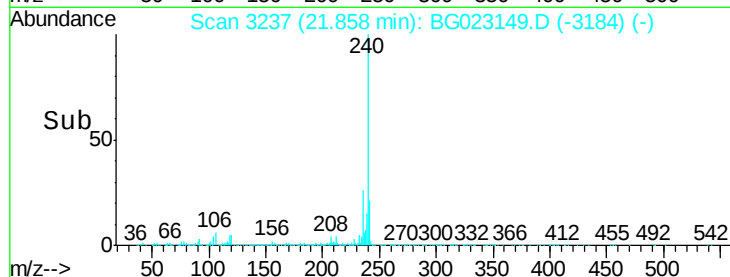
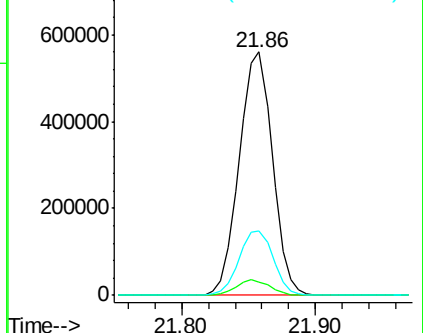
236 26.6 21.1 31.7



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: 4.66 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

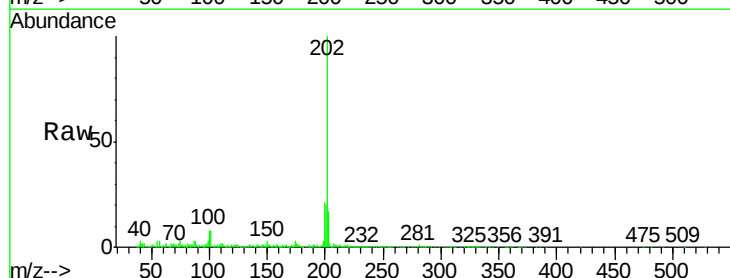
Tgt Ion:202 Resp: 252689

Ion Ratio Lower Upper

202 100

200 20.9 21.2 31.8#

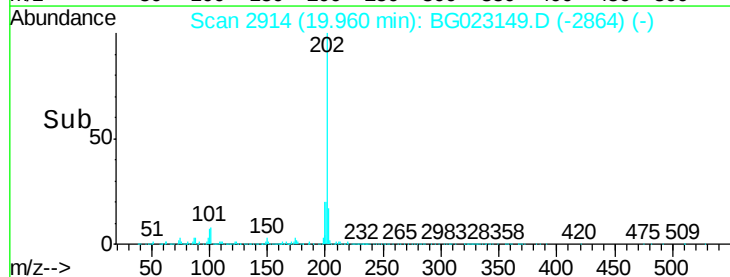
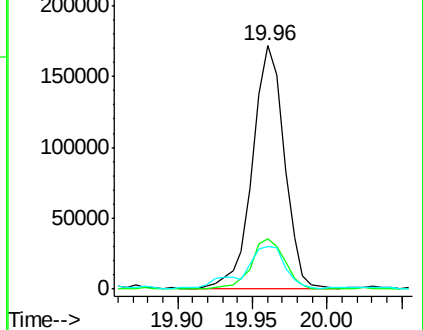
203 17.5 16.8 25.2

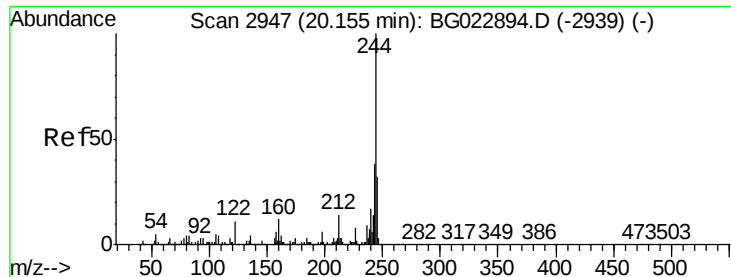


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.46 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

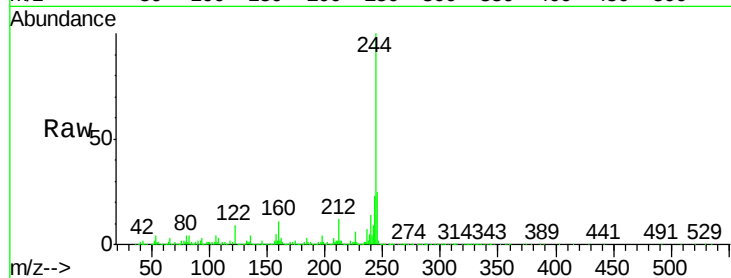
Tgt Ion:244 Resp: 2177538

Ion Ratio Lower Upper

244 100

212 12.0 10.8 16.2

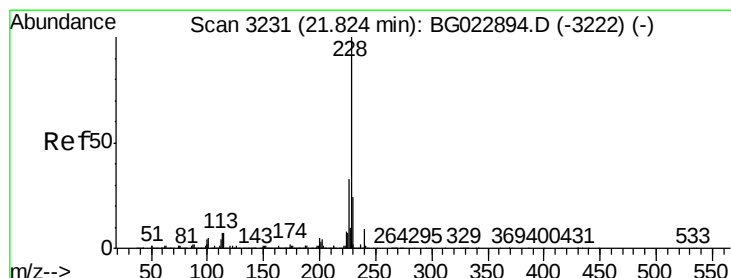
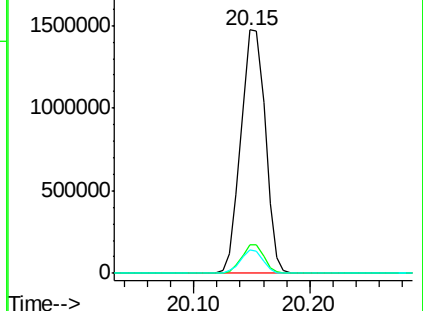
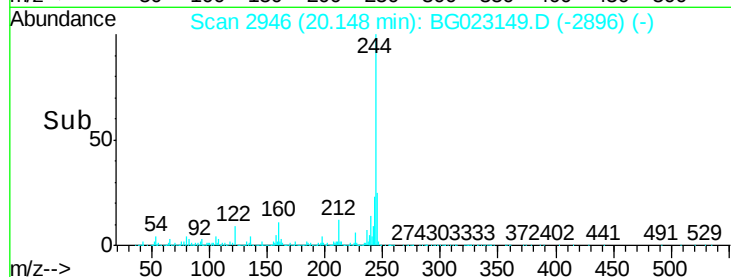
122 9.4 8.0 12.0



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



#80

Benzo(a)anthracene

Concen: 2.61 ng

RT: 21.83 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

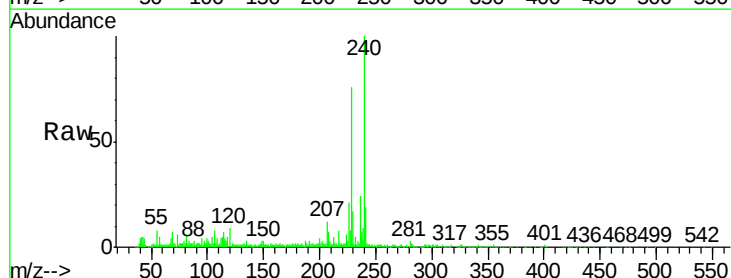
Tgt Ion:228 Resp: 140818

Ion Ratio Lower Upper

228 100

226 27.3 25.3 37.9

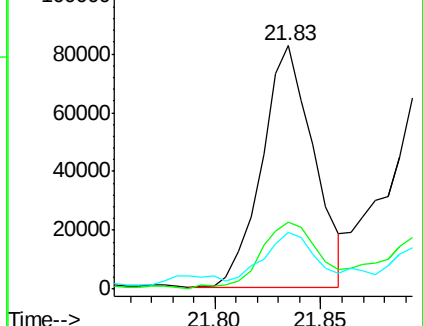
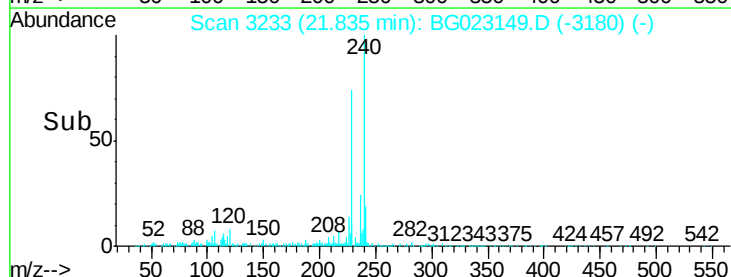
229 23.1 19.9 29.9

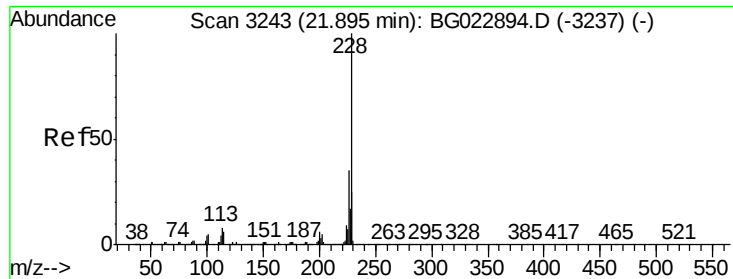


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.42 ng

RT: 21.91 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

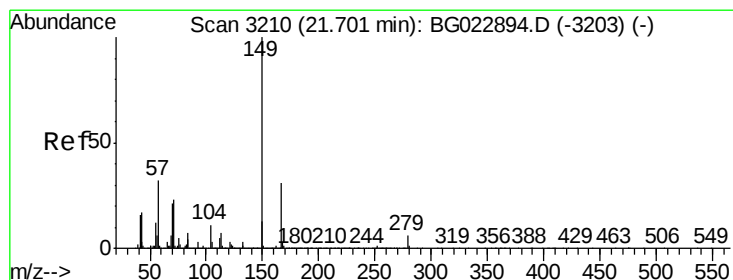
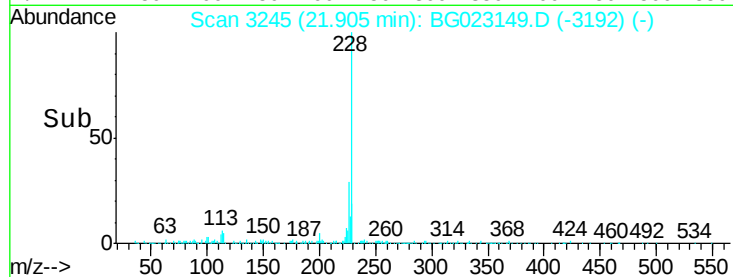
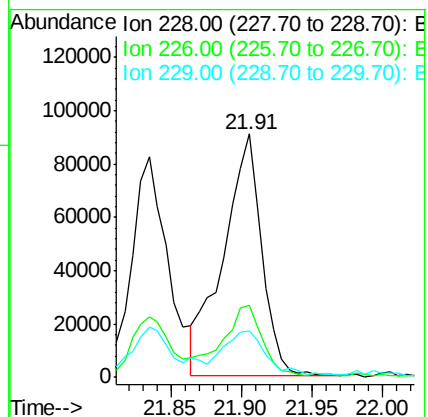
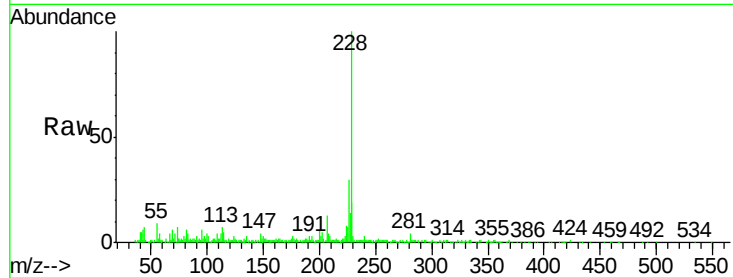
Tgt Ion:228 Resp: 173130

Ion Ratio Lower Upper

228 100

226 29.5 26.7 40.1

229 19.1 17.4 26.2



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.10 ng

RT: 21.71 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

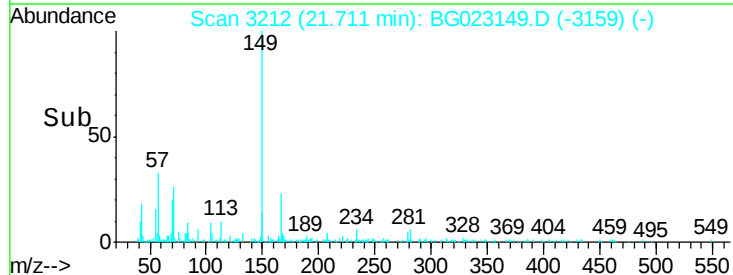
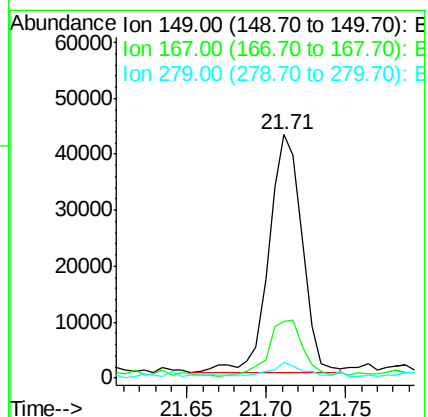
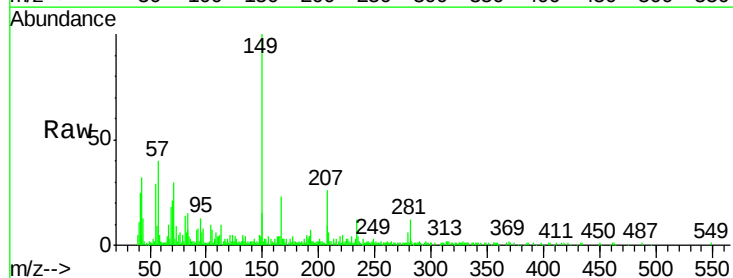
Tgt Ion:149 Resp: 62546

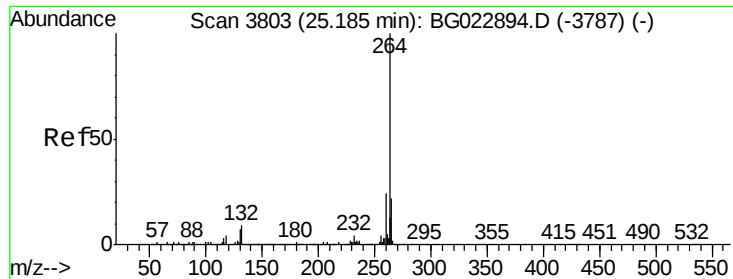
Ion Ratio Lower Upper

149 100

167 23.2 24.0 36.0#

279 6.3 4.8 7.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3810

Delta R.T. 0.04 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C

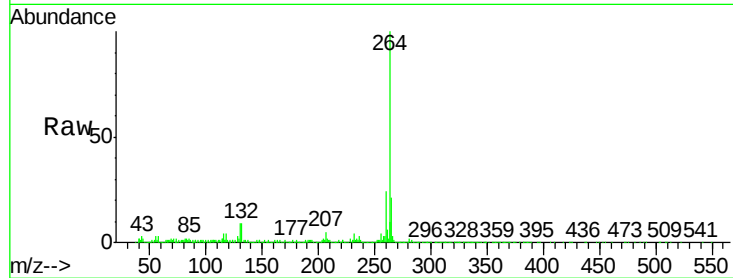
Tgt Ion:264 Resp: 962885

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

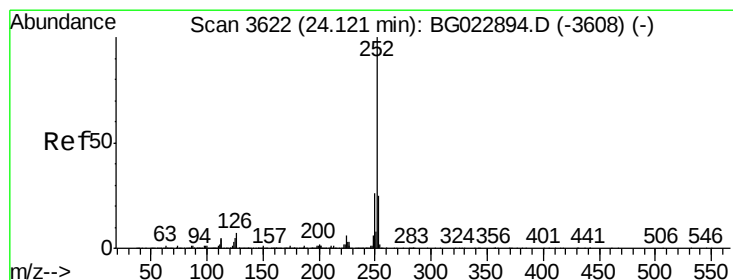
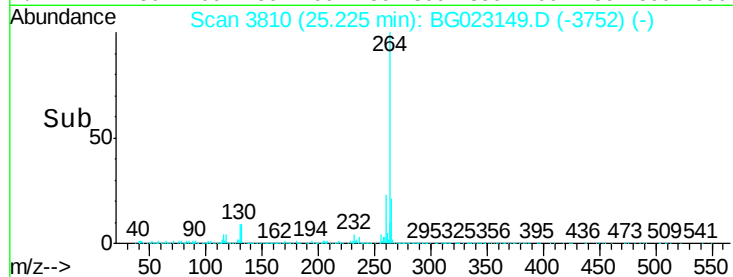
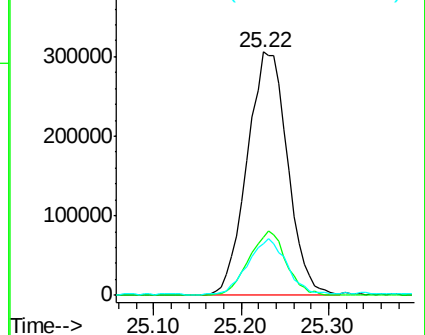
265 21.2 18.9 28.3



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: 4.72 ng

RT: 24.16 min Scan# 3628

Delta R.T. 0.03 min

Lab File: BG023149.D

Acq: 16 Jul 2016 16:22

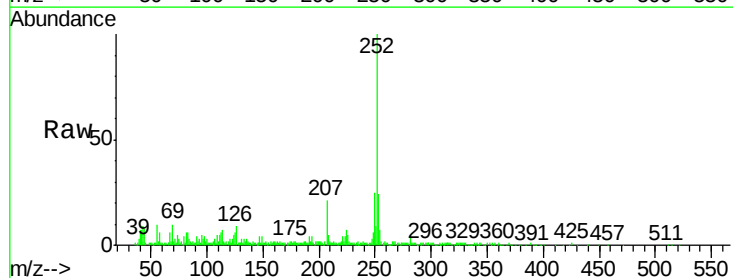
Tgt Ion:252 Resp: 262304

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

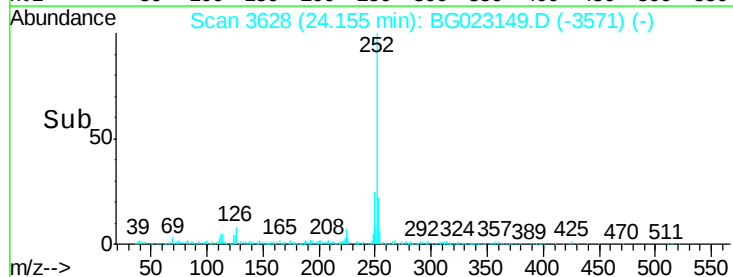
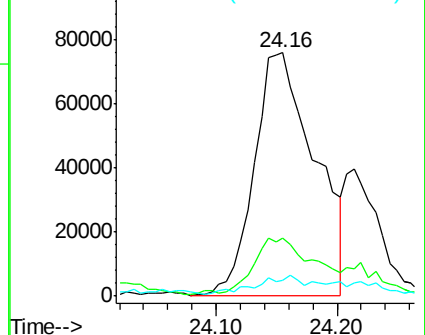
125 6.3 3.9 5.9#

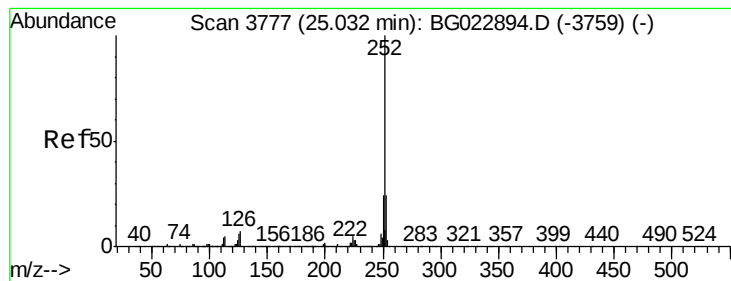


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.05 ng

RT: 25.07 min Scan# 3783

Delta R.T. 0.03 min

Lab File: BG023149.D

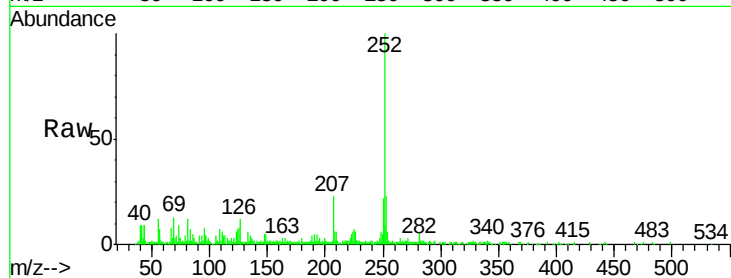
Acq: 16 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

D8-B3(0-6)C



Tgt Ion:	252	Resp:	162310
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	7.5	3.9	5.9#

