

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041615\
 Data File : BG016483.D
 Acq On : 17 Apr 2015 9:08
 Operator : TP/IZ
 Sample : G1855-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SB16B(7-7.5)

Quant Time: Apr 17 16:18:00 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 14:00:56 2015
 Response via : Initial Calibration

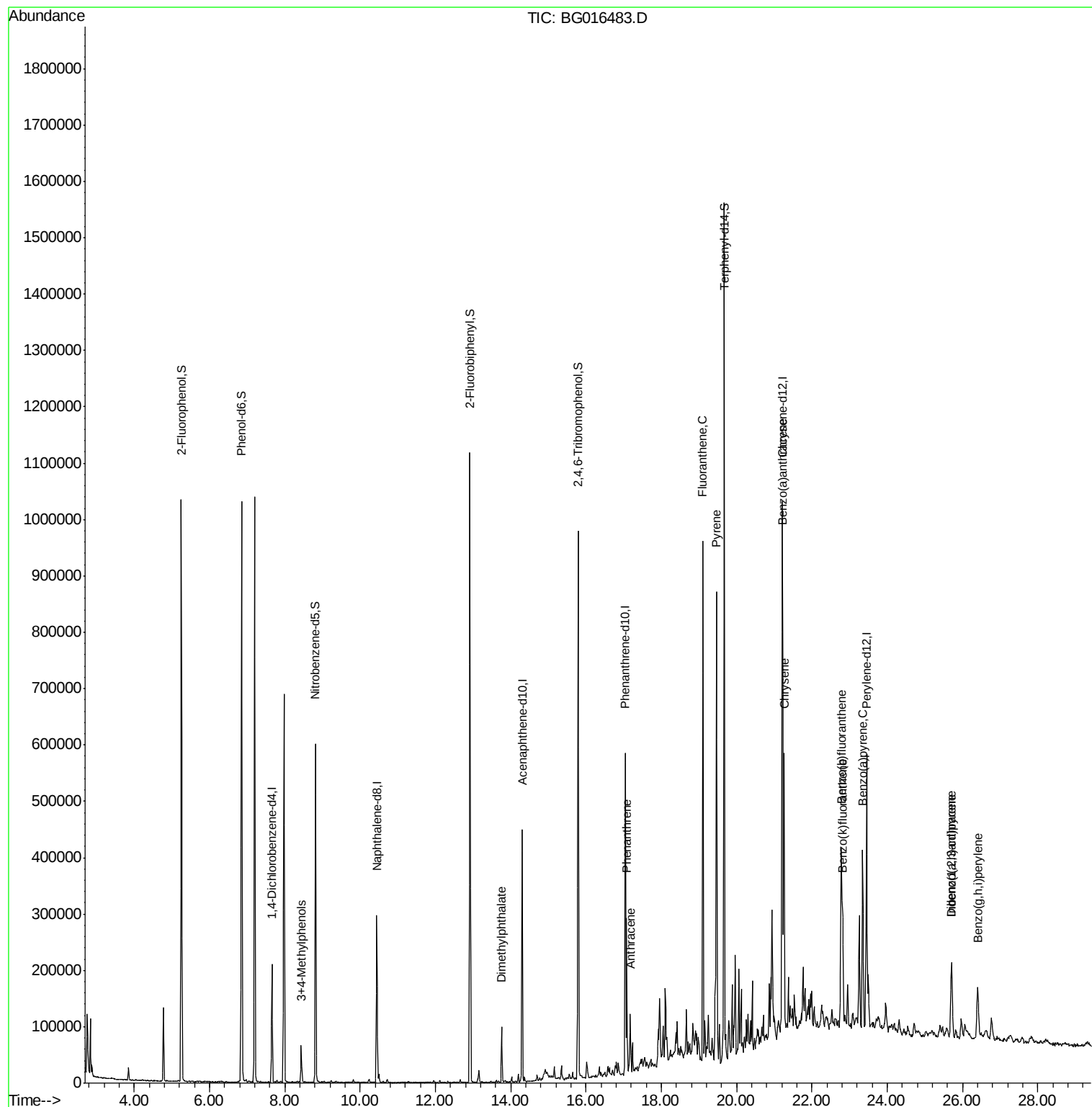
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	58318	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	250338	20.00	ng	-0.02
38) Acenaphthene-d10	14.30	164	145690	20.00	ng	-0.01
63) Phenanthrene-d10	17.04	188	309566	20.00	ng	-0.02
75) Chrysene-d12	21.23	240	294952	20.00	ng	-0.01
86) Perylene-d12	23.45	264	282651	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	496089	134.25	ng	-0.01
7) Phenol-d6	6.85	99	691816	124.71	ng	-0.01
23) Nitrobenzene-d5	8.82	82	345554	79.96	ng	-0.02
41) 2,4,6-Tribromophenol	15.80	330	135680	137.71	ng	-0.01
44) 2-Fluorobiphenyl	12.92	172	565639	66.10	ng	-0.01
78) Terphenyl-d14	19.67	244	583485	46.30	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.44	107	34311	6.22	ng	88
49) Dimethylphthalate	13.76	163	66751	6.25	ng	99
70) Phenanthrene	17.08	178	154942	8.90	ng	99
71) Anthracene	17.18	178	55354	3.21	ng	98
74) Fluoranthene	19.10	202	476576	26.56	ng	95
77) Pyrene	19.47	202	459652	22.38	ng	99
80) Benzo(a)anthracene	21.21	228	272117	15.61	ng	100
82) Chrysene	21.26	228	221920	13.19	ng	98
85) Indeno(1,2,3-cd)pyrene	25.71	276	101117	5.78	ng	91
87) Benzo(b)fluoranthene	22.78	252	229984m	13.89	ng	
88) Benzo(k)fluoranthene	22.82	252	103928m	6.42	ng	
89) Benzo(a)pyrene	23.35	252	196306	12.65	ng	96
90) Dibenzo(a,h)anthracene	25.72	278	30708m	2.03	ng	
91) Benzo(g,h,i)perylene	26.41	276	90493	6.00	ng	94

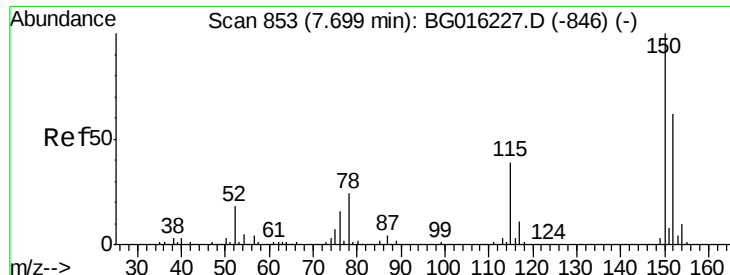
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LS-SB16B(7-7.5)

Quant Time: Apr 17 16:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
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QLast Update : Tue Apr 14 14:00:56 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

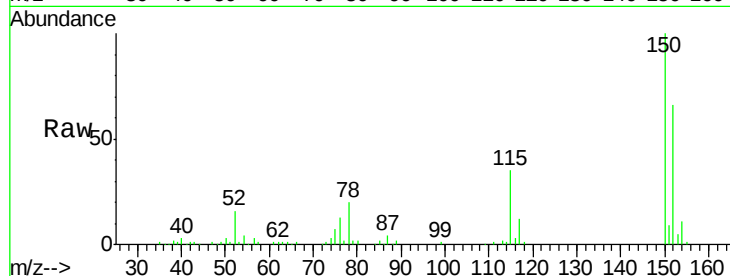
Tgt Ion:152 Resp: 58318

Ion Ratio Lower Upper

152 100

150 150.6 130.1 195.1

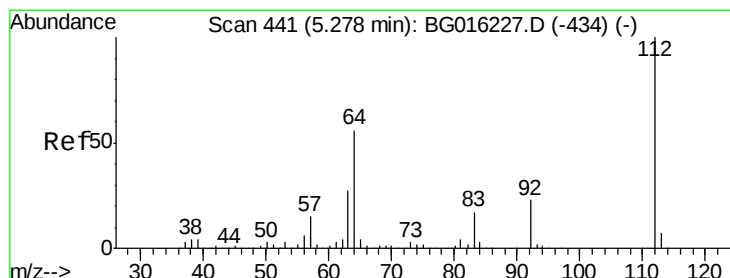
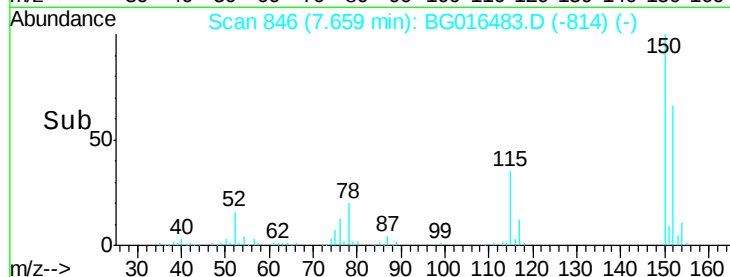
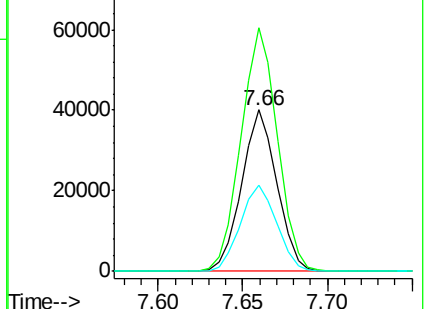
115 53.1 50.5 75.7



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: 134.25 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

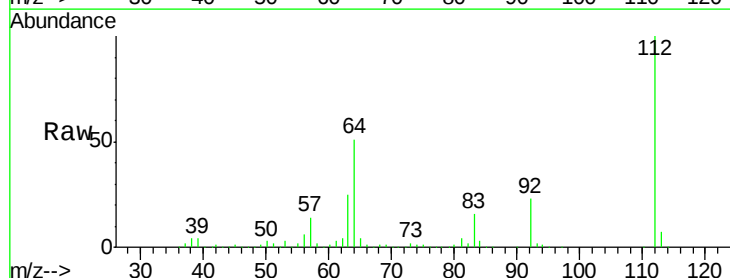
Tgt Ion:112 Resp: 496089

Ion Ratio Lower Upper

112 100

64 51.2 44.5 66.7

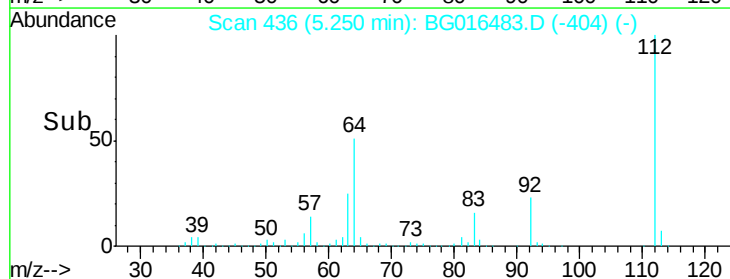
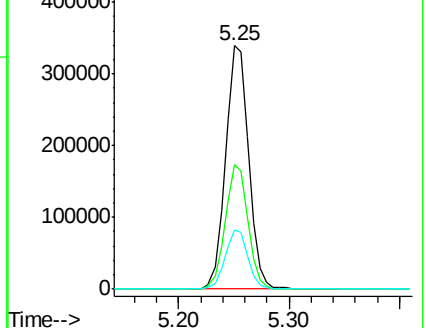
63 24.6 21.4 32.0

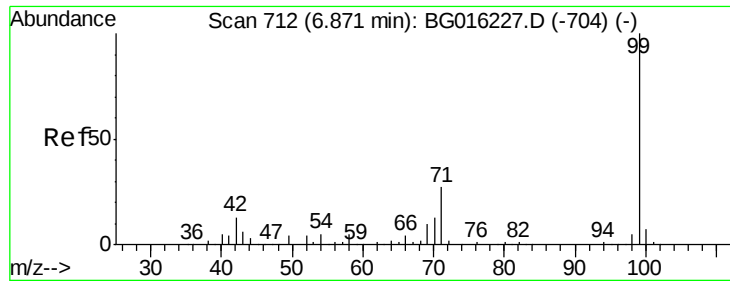


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.71 ng

RT: 6.85 min Scan# 708

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

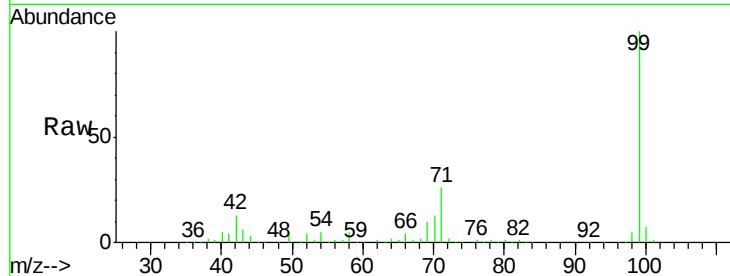
Tgt Ion: 99 Resp: 691816

Ion Ratio Lower Upper

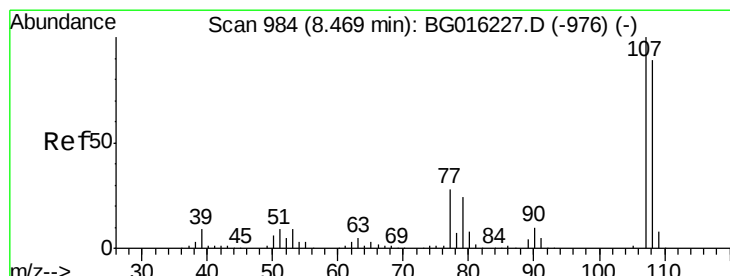
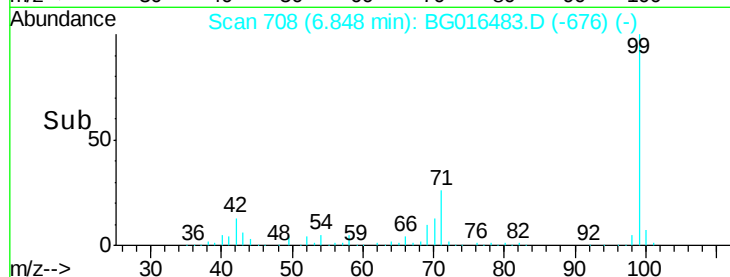
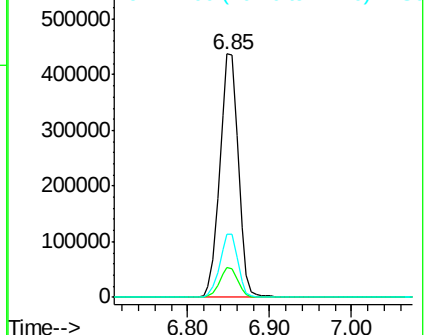
99 100

42 12.5 10.0 15.0

71 25.9 21.5 32.3



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



#20

3+4-Methylphenols

Concen: 6.22 ng

RT: 8.44 min Scan# 979

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Tgt Ion: 107 Resp: 34311

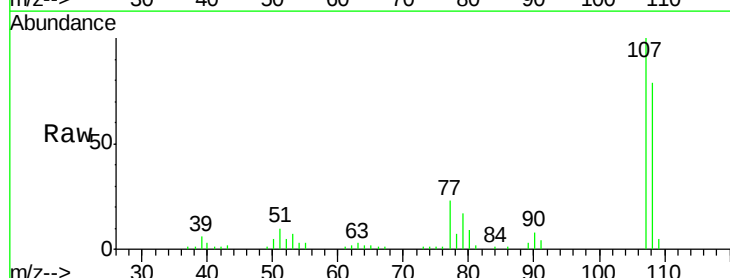
Ion Ratio Lower Upper

107 100

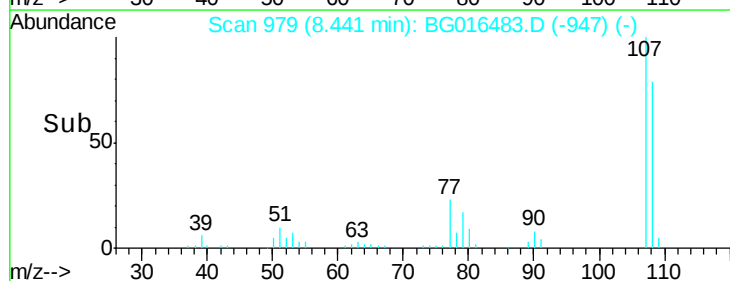
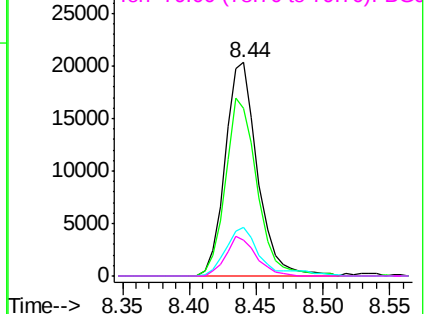
108 78.7 69.5 109.5

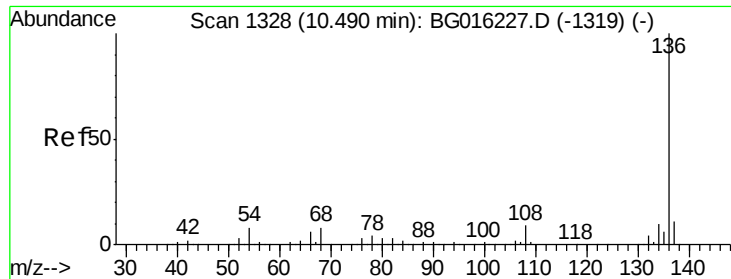
77 22.8 8.2 48.2

79 17.0 3.8 43.8



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

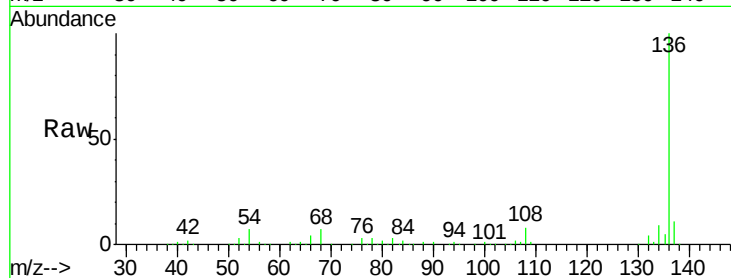




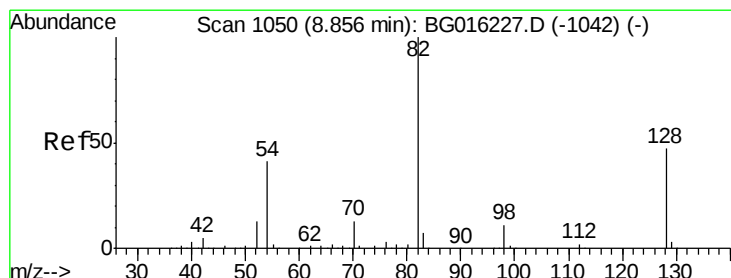
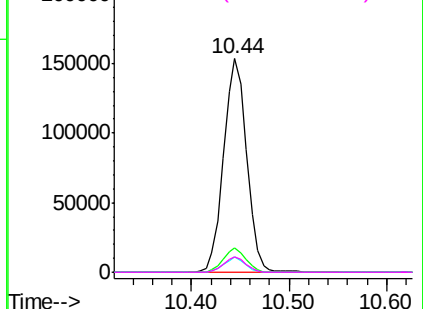
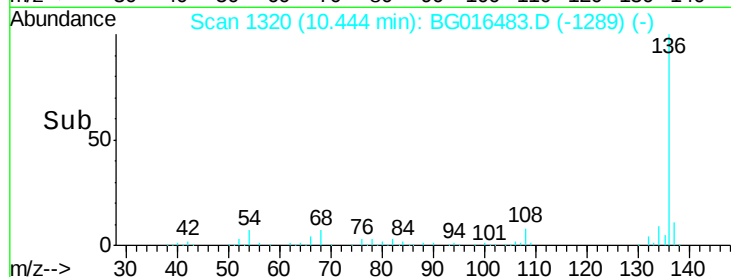
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.44 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

Instrument :
BNA_G
ClientSampleId :
LS-SB16B(7-7.5)

Tgt Ion:	136	Resp:	250338
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	7.1	6.3	9.5
68	7.1	6.5	9.7

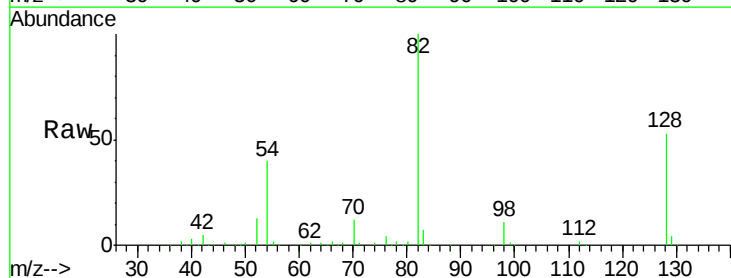


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

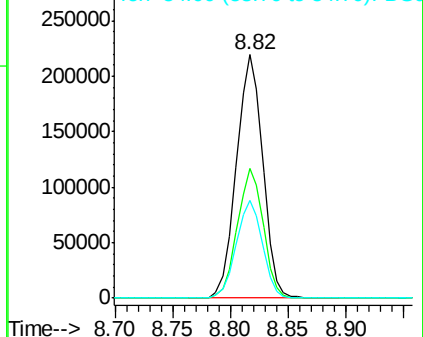
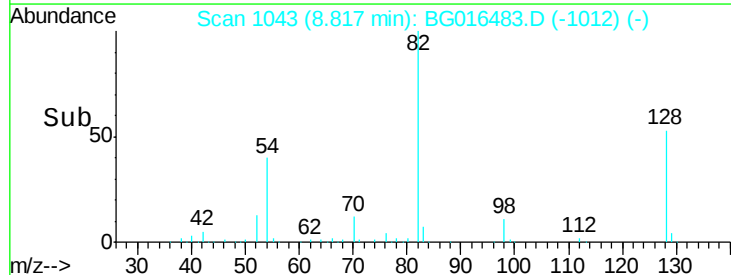


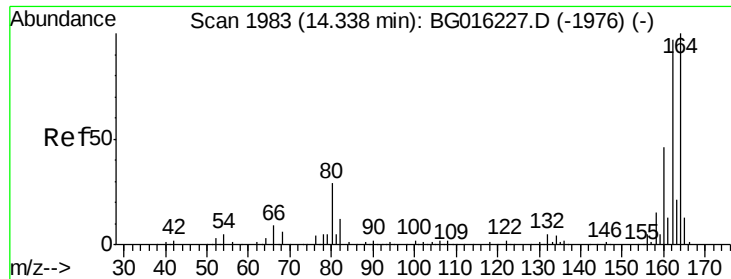
#23
Nitrobenzene-d5
Concen: 79.96 ng
RT: 8.82 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

Tgt Ion:	82	Resp:	345554
Ion	Ratio	Lower	Upper
82	100		
128	53.4	37.8	56.8
54	40.2	32.6	49.0



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: 14.30 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

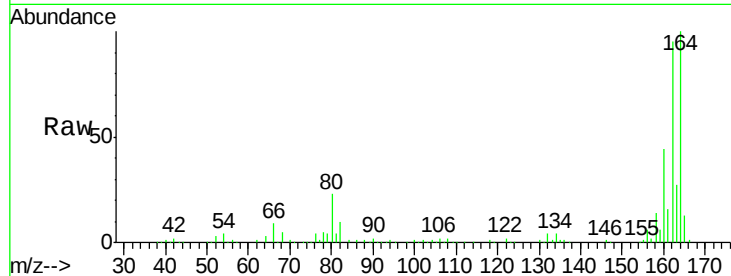
Tgt Ion:164 Resp: 145690

Ion Ratio Lower Upper

164 100

162 95.3 77.3 115.9

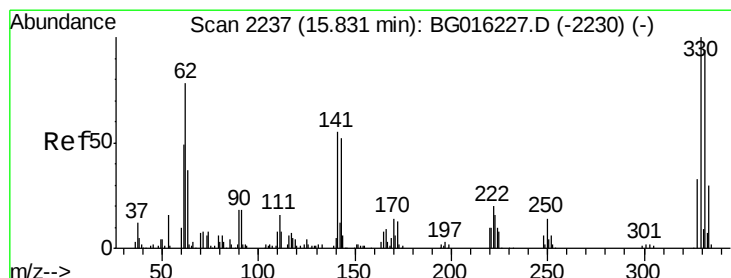
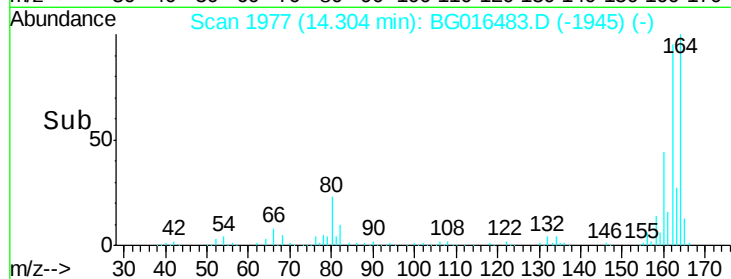
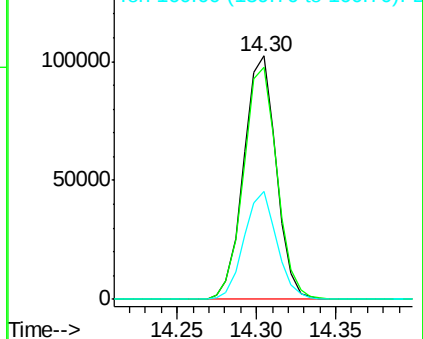
160 44.2 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 137.71 ng

RT: 15.80 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

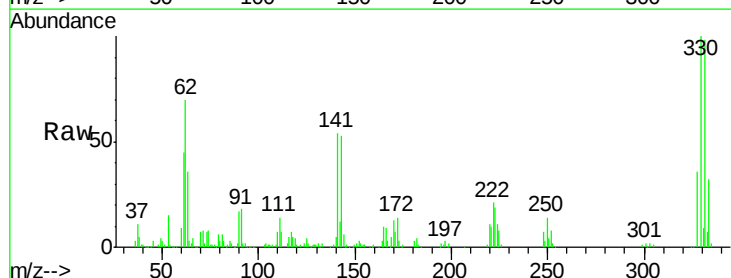
Tgt Ion:330 Resp: 135680

Ion Ratio Lower Upper

330 100

332 94.7 75.8 113.6

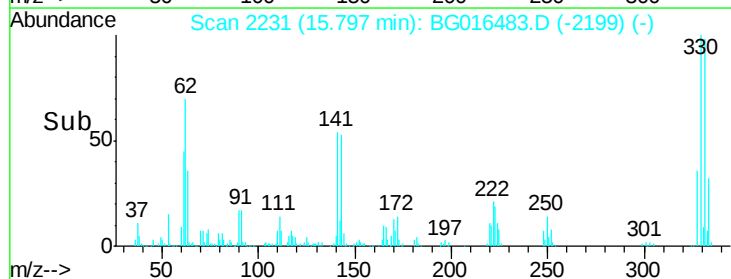
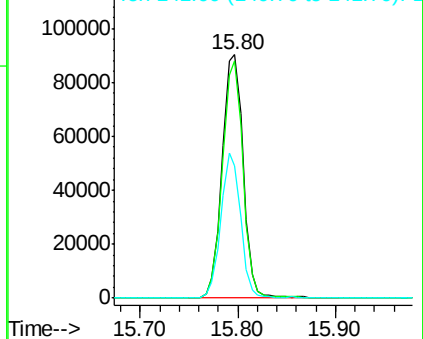
141 55.8 46.6 69.8

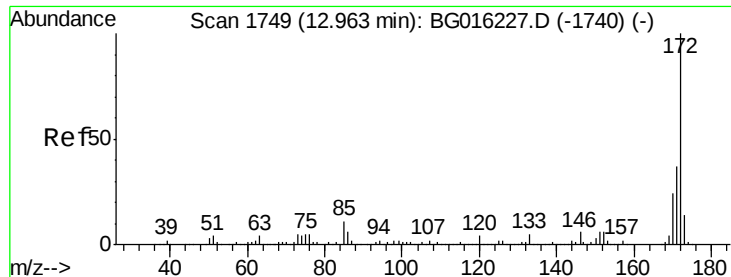


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

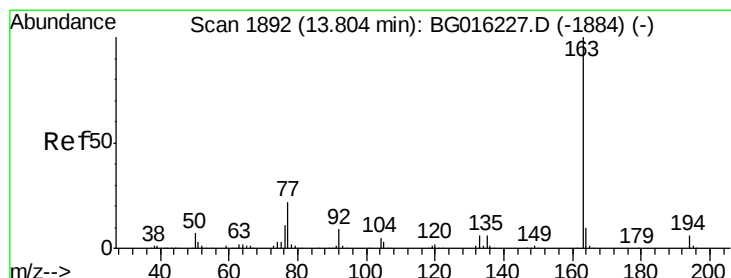
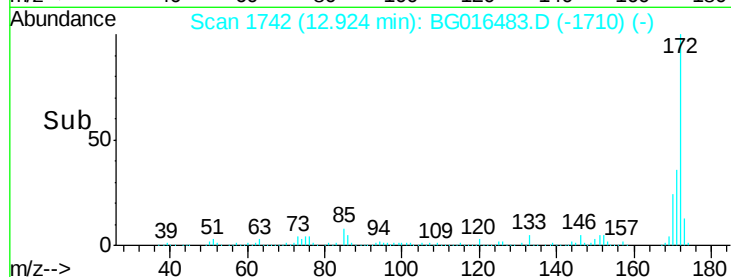
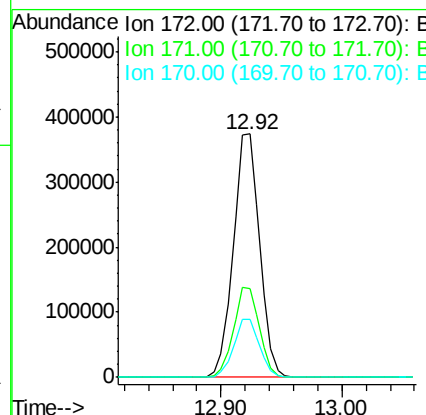
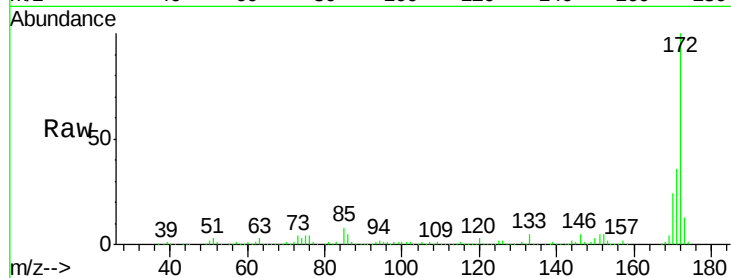




#44
2-Fluorobiphenyl
Concen: 66.10 ng
RT: 12.92 min Scan# 1742
Delta R.T. -0.01 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

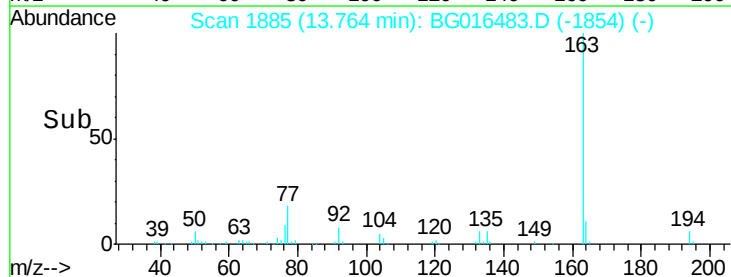
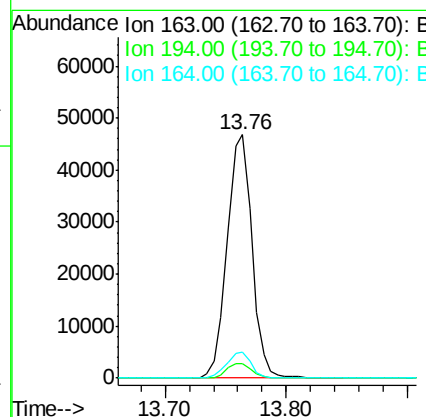
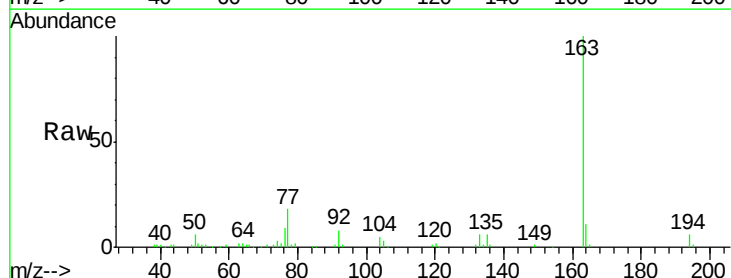
Instrument :
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LS-SB16B(7-7.5)

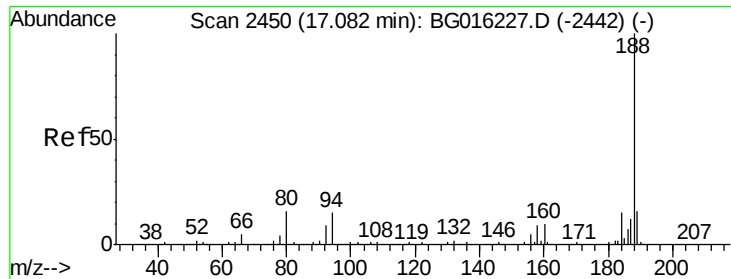
Tgt Ion:172 Resp: 565639
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.9 19.4 29.2



#49
Dimethylphthalate
Concen: 6.25 ng
RT: 13.76 min Scan# 1885
Delta R.T. -0.02 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

Tgt Ion:163 Resp: 66751
Ion Ratio Lower Upper
163 100
194 5.8 5.0 7.4
164 10.9 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.02 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

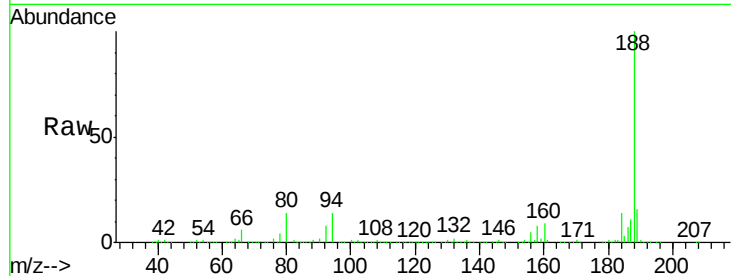
Tgt Ion:188 Resp: 309566

Ion Ratio Lower Upper

188 100

94 14.2 12.2 18.4

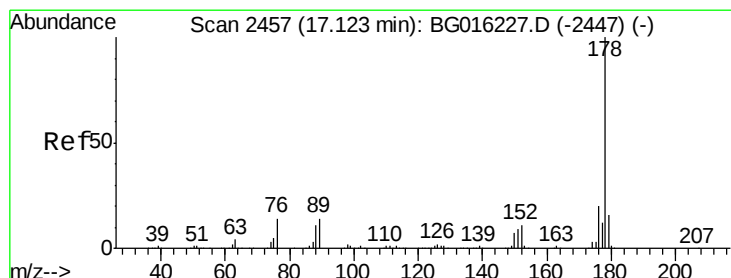
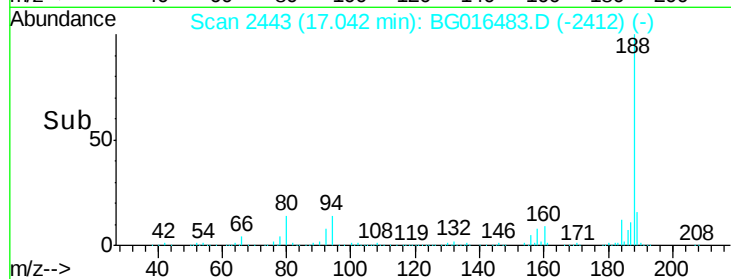
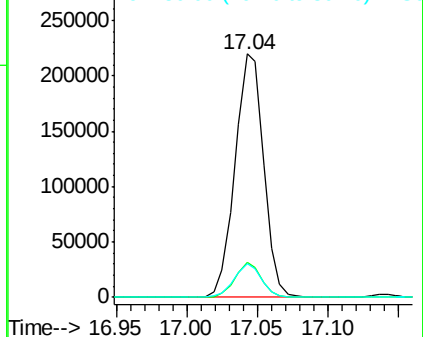
80 13.8 12.8 19.2



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: 8.90 ng

RT: 17.08 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

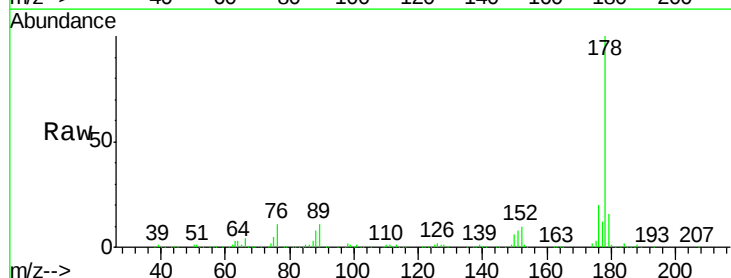
Tgt Ion:178 Resp: 154942

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

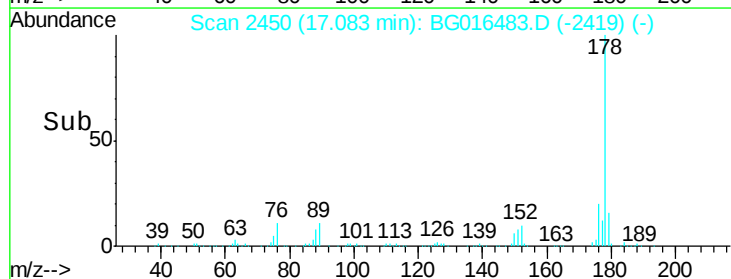
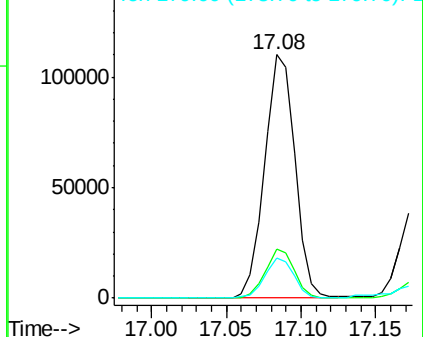
179 16.5 12.7 19.1

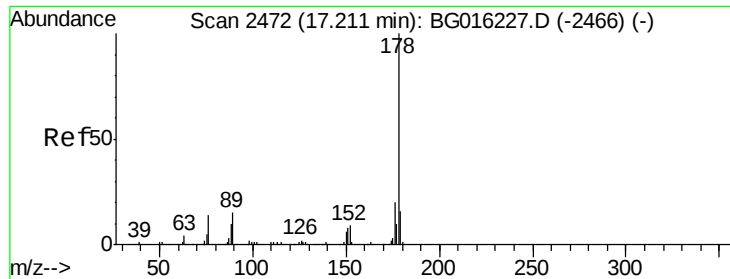


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.21 ng

RT: 17.18 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

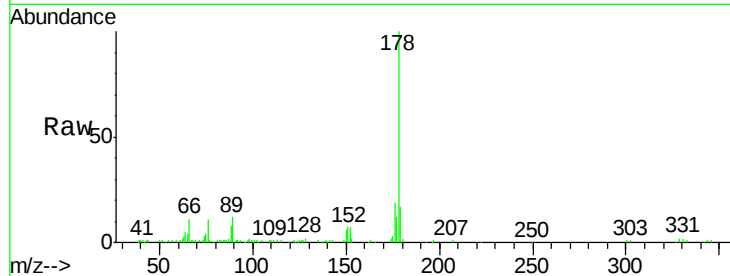
Tgt Ion:178 Resp: 55354

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

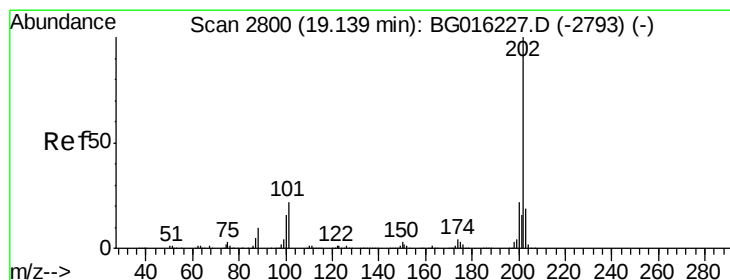
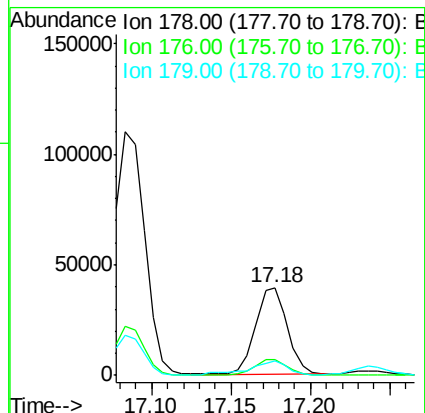
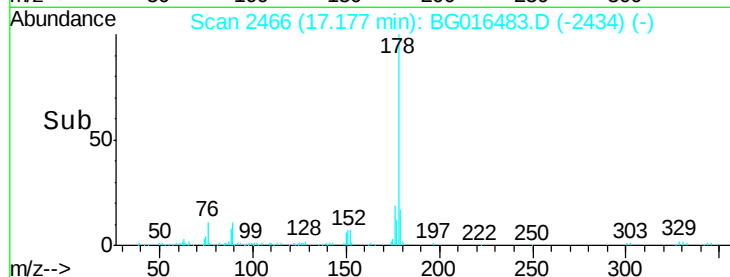
179 16.7 13.0 19.6



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: 26.56 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

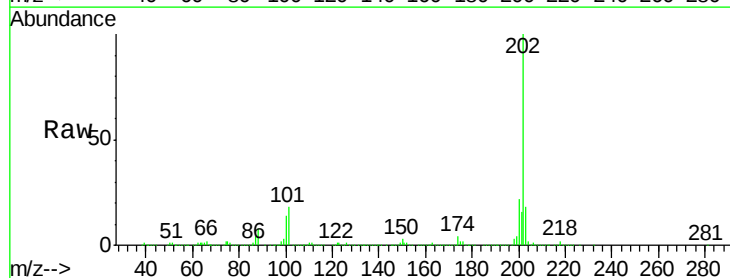
Tgt Ion:202 Resp: 476576

Ion Ratio Lower Upper

202 100

101 17.8 1.7 41.7

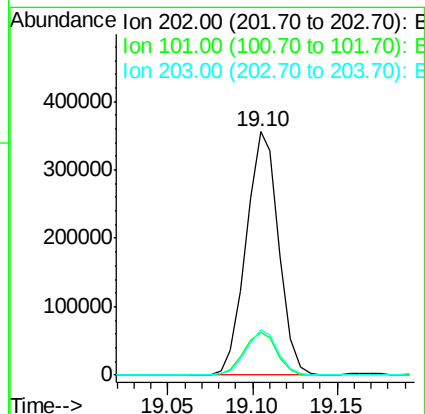
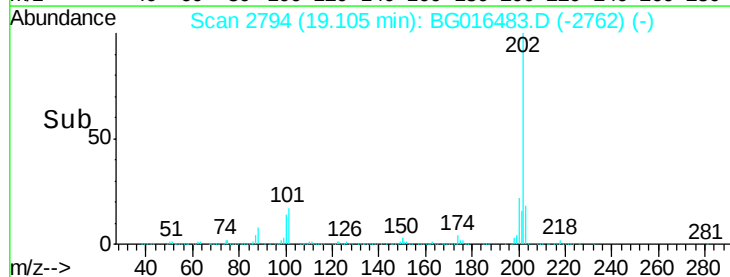
203 18.3 0.0 38.7

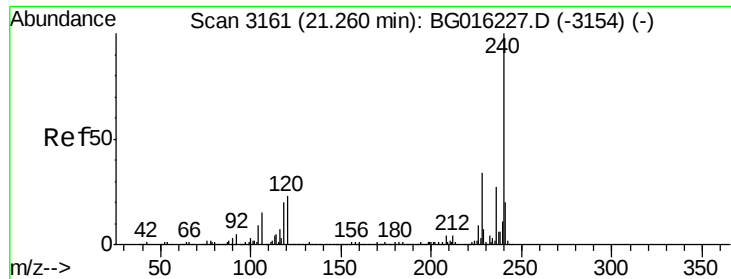


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.23 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

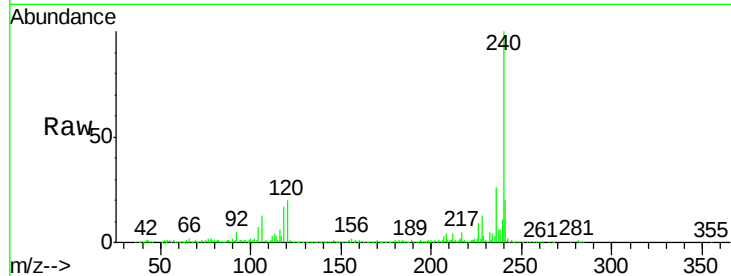
Tgt Ion:240 Resp: 294952

Ion Ratio Lower Upper

240 100

120 19.7 18.6 28.0

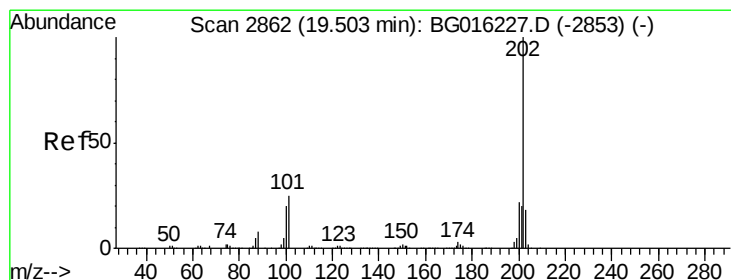
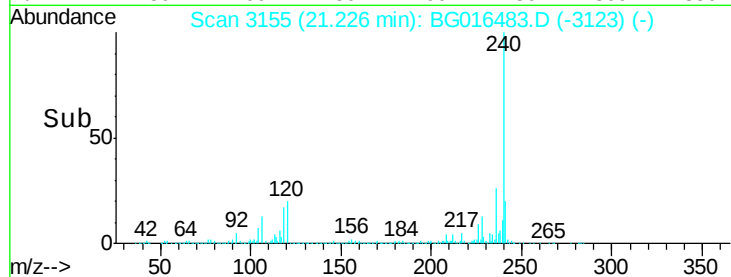
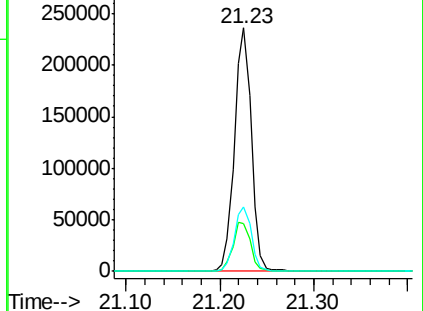
236 26.5 21.7 32.5



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: 22.38 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

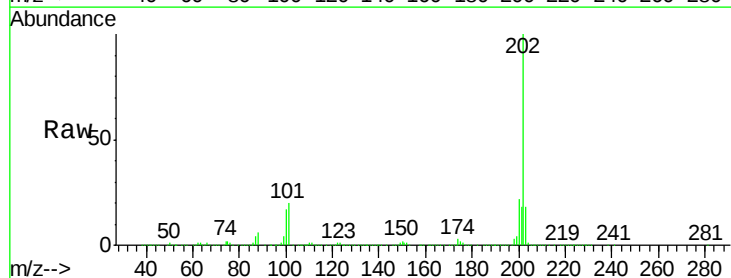
Tgt Ion:202 Resp: 459652

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.8

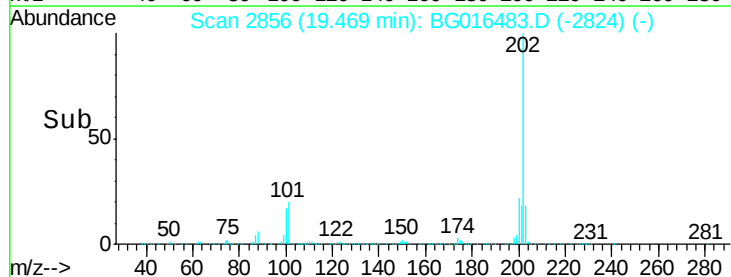
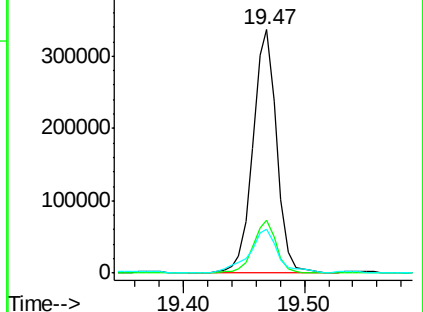
203 18.1 14.7 22.1

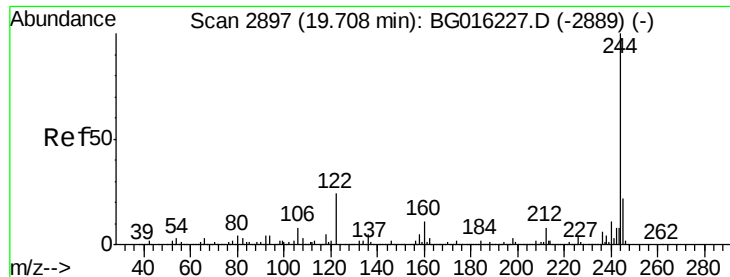


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.30 ng

RT: 19.67 min Scan# 2891

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

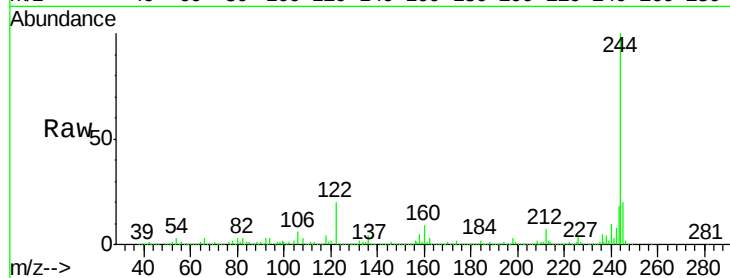
Tgt Ion:244 Resp: 583485

Ion Ratio Lower Upper

244 100

212 7.4 6.6 9.8

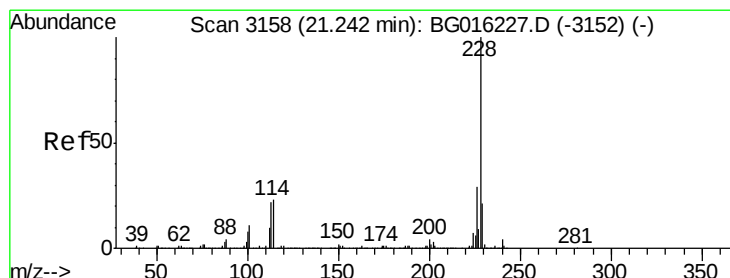
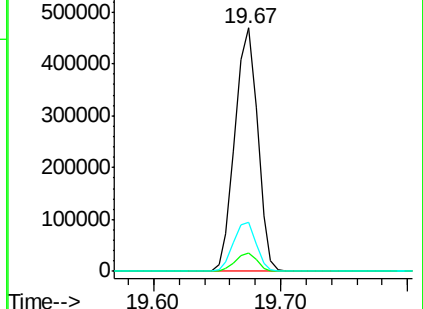
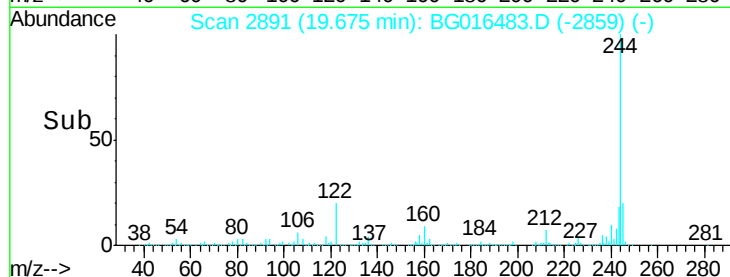
122 19.9 19.1 28.7



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: 15.61 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

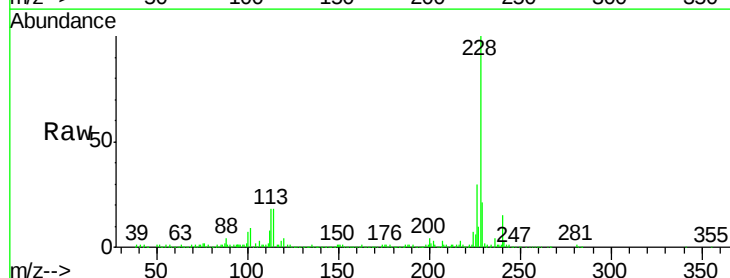
Tgt Ion:228 Resp: 272117

Ion Ratio Lower Upper

228 100

226 29.7 23.5 35.3

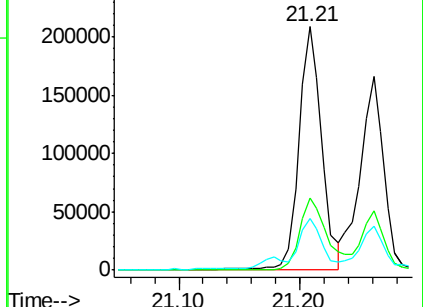
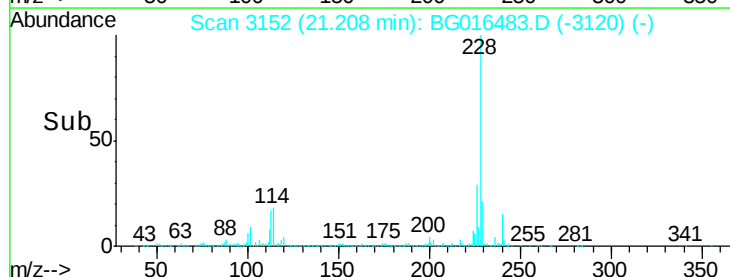
229 21.0 16.8 25.2

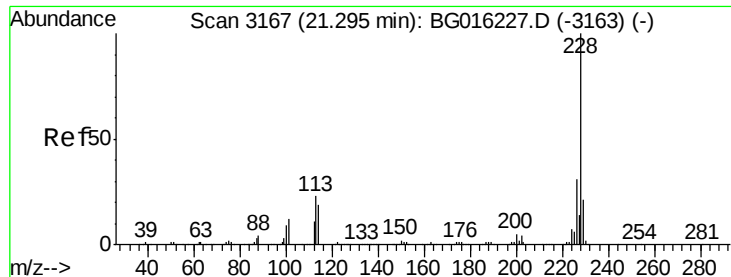


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.19 ng

RT: 21.26 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

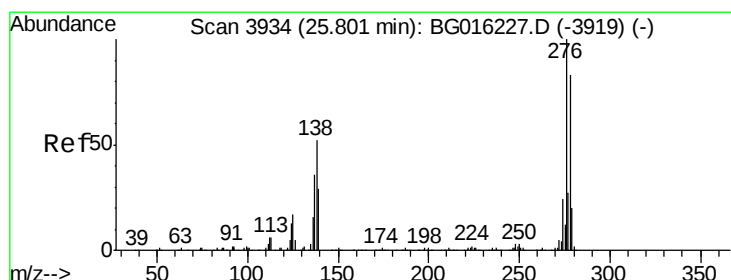
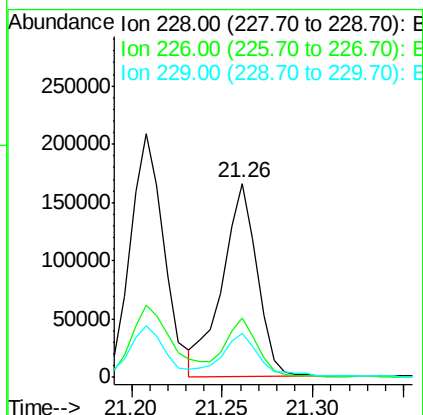
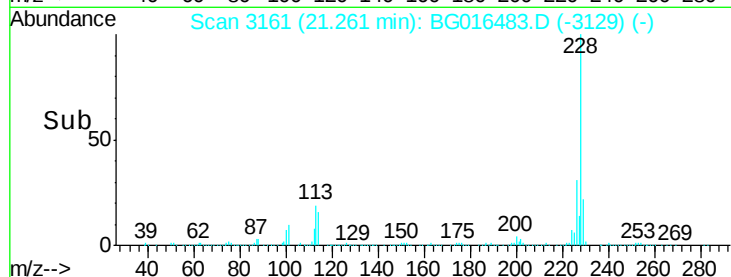
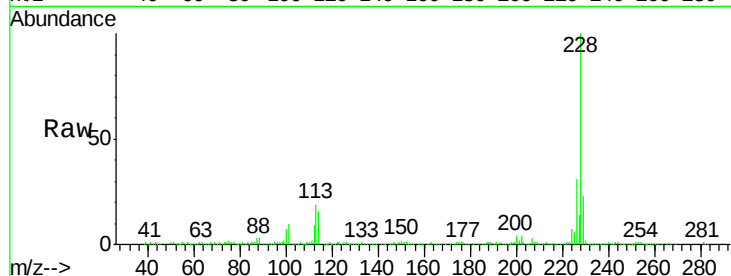
Tgt Ion:228 Resp: 221920

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.4

229 22.7 17.0 25.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.78 ng

RT: 25.71 min Scan# 3919

Delta R.T. -0.03 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

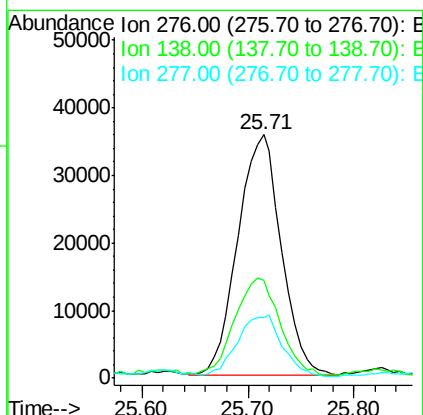
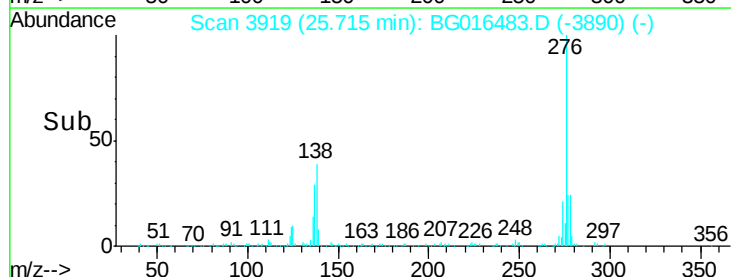
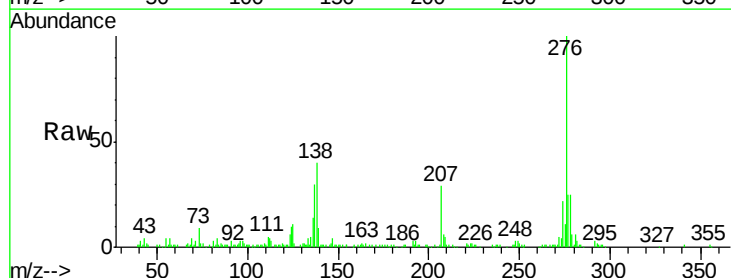
Tgt Ion:276 Resp: 101117

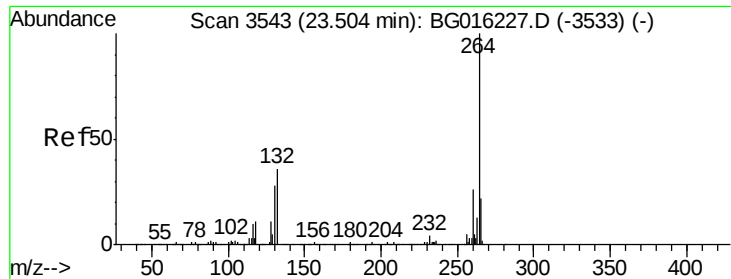
Ion Ratio Lower Upper

276 100

138 42.4 41.5 62.3

277 26.0 21.0 31.6

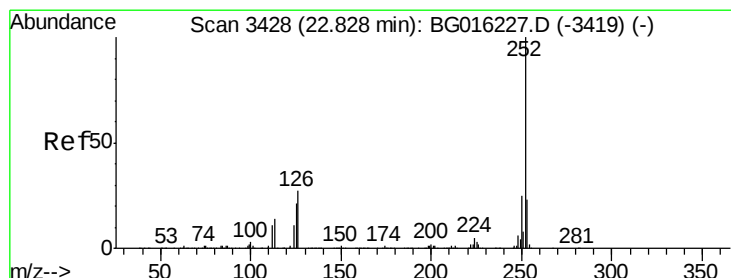
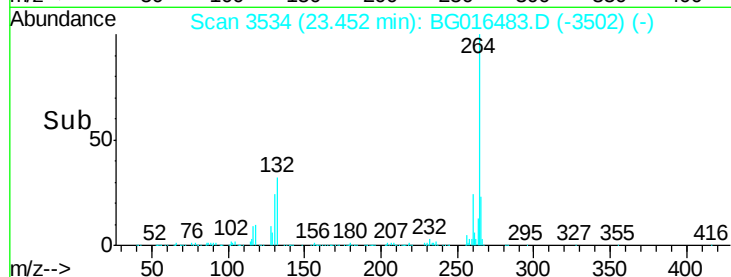
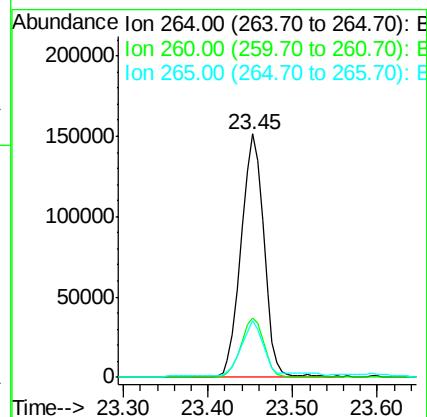
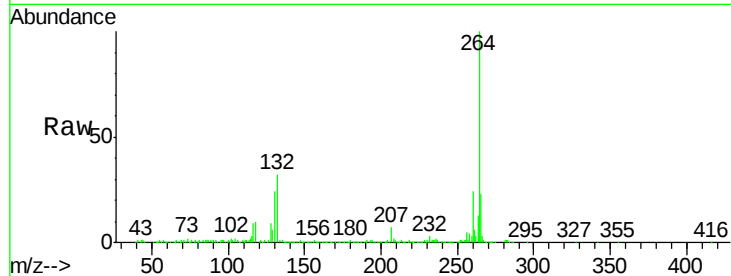




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.01 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

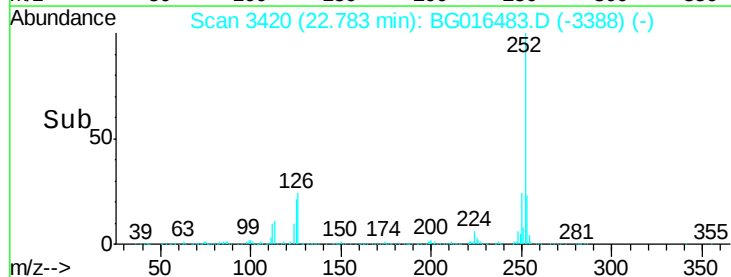
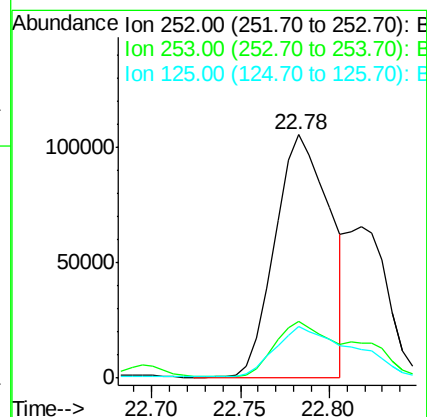
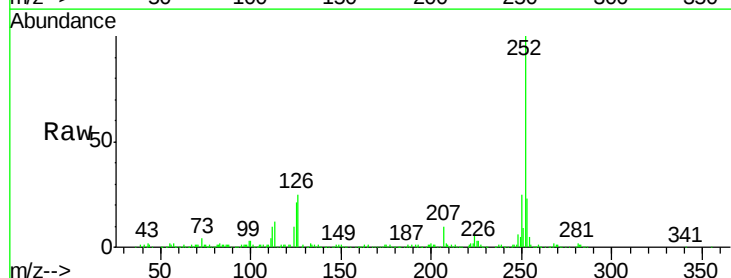
Instrument :
BNA_G
ClientSampleId :
LS-SB16B(7-7.5)

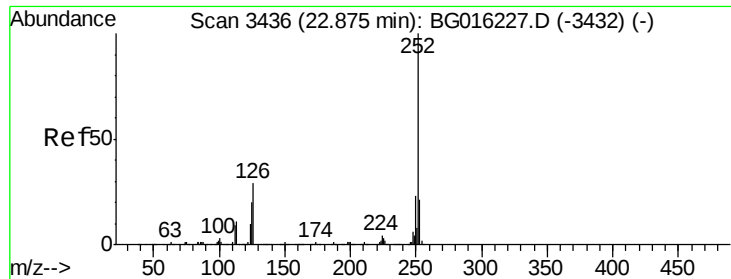
Tgt Ion: 264 Resp: 282651
Ion Ratio Lower Upper
264 100
260 24.2 20.4 30.6
265 23.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 13.89 ng m
RT: 22.78 min Scan# 3420
Delta R.T. -0.01 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

Tgt Ion: 252 Resp: 229984
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 21.4 17.0 25.6





#88

Benzo(k)fluoranthene

Concen: 6.42 ng m

RT: 22.82 min Scan# 3426

Delta R.T. -0.02 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

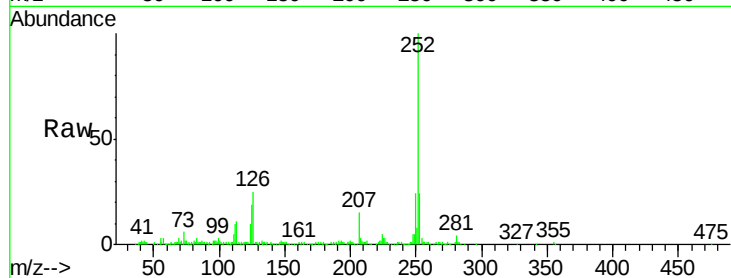
Tgt Ion:252 Resp: 103928

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

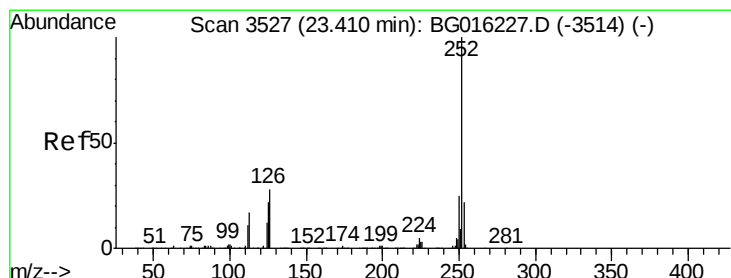
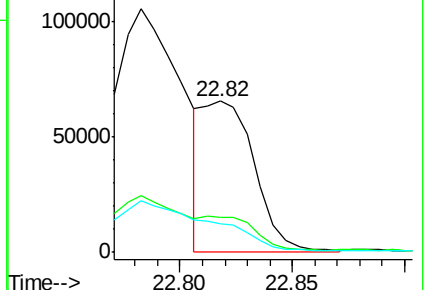
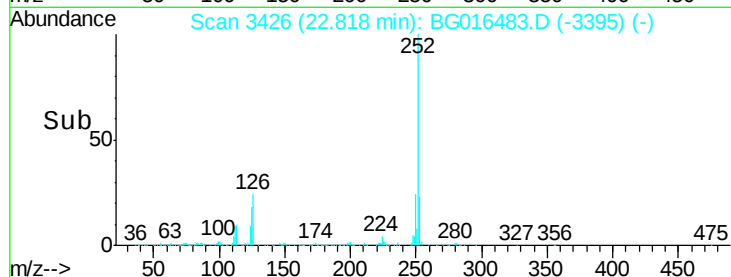
125 19.2 16.3 24.5



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: 12.65 ng

RT: 23.35 min Scan# 3517

Delta R.T. -0.02 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

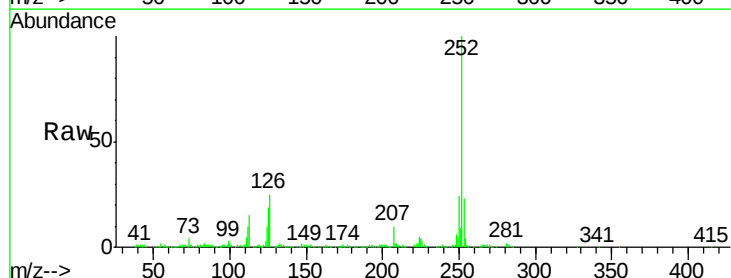
Tgt Ion:252 Resp: 196306

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

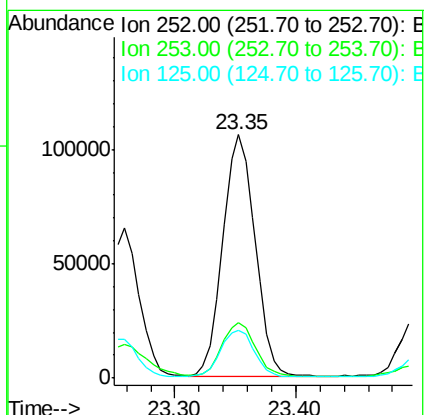
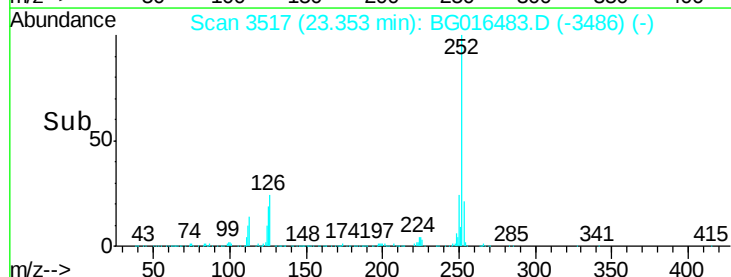
125 19.5 17.6 26.4

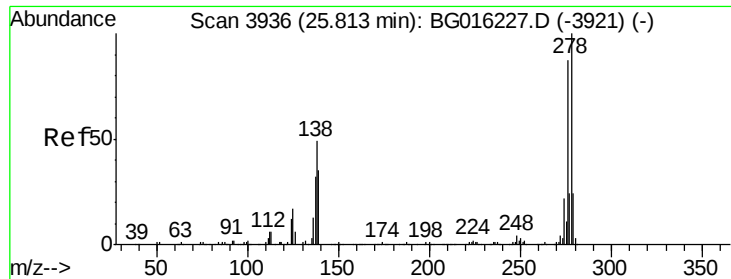


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.03 ng m

RT: 25.72 min Scan# 3920

Delta R.T. -0.04 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

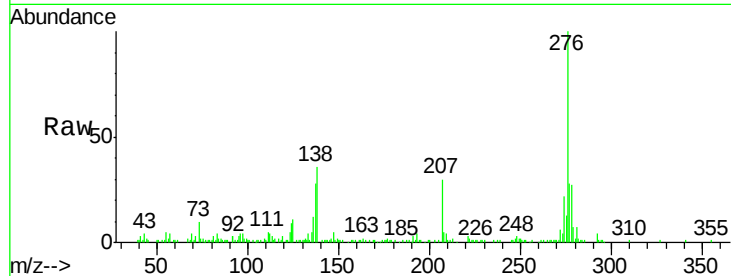
Tgt Ion:278 Resp: 30708

Ion Ratio Lower Upper

278 100

139 0.0 27.9 41.9#

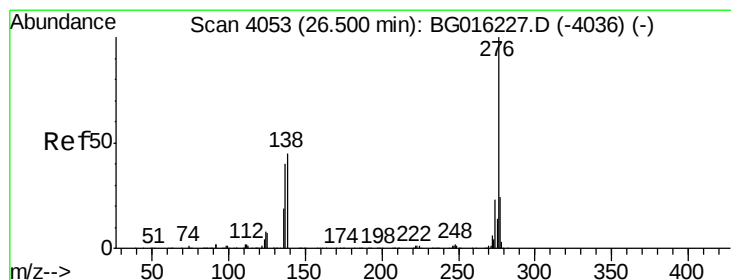
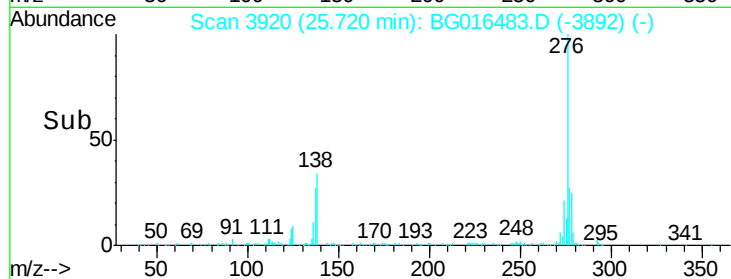
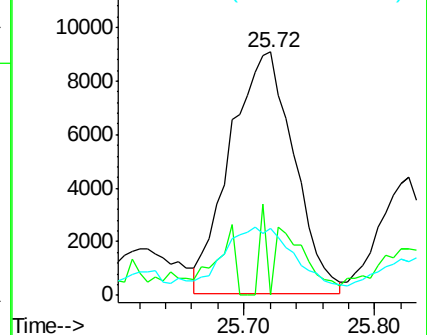
279 27.4 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.00 ng

RT: 26.41 min Scan# 4037

Delta R.T. -0.04 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

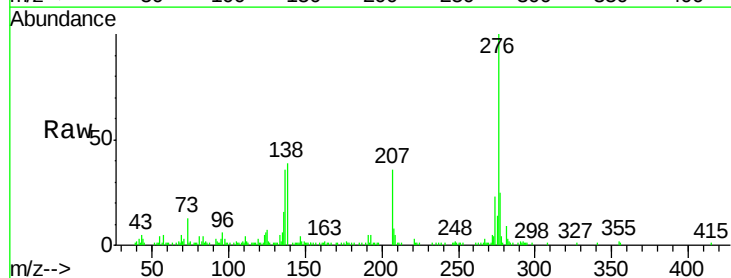
Tgt Ion:276 Resp: 90493

Ion Ratio Lower Upper

276 100

277 25.2 19.5 29.3

138 38.8 35.7 53.5



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

