

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 16:15:44 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

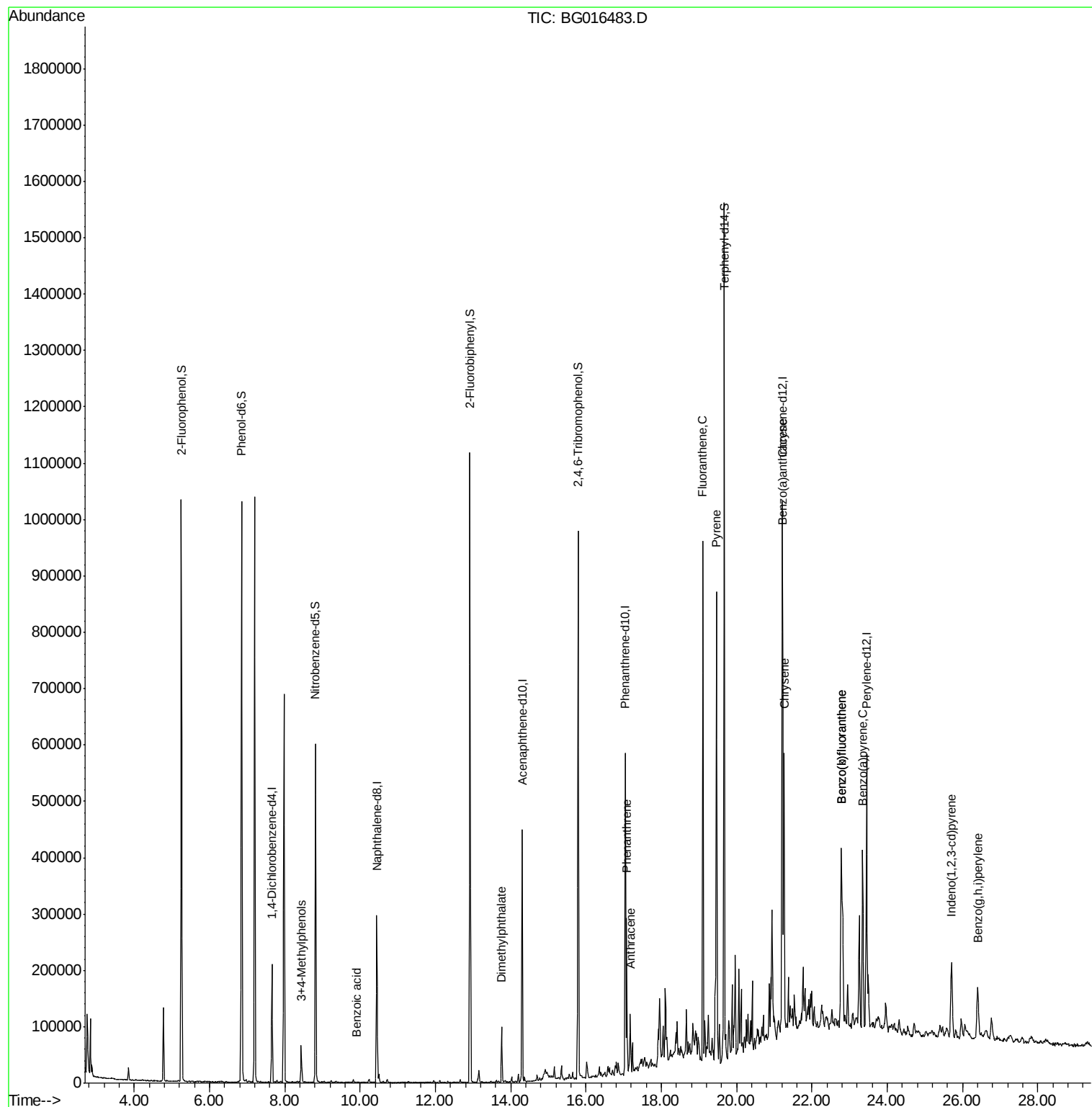
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	58318	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	250338	20.00	ng	-0.02
38) Acenaphthene-d10	14.30	164	145690	20.00	ng	-0.01
63) Phenanthrene-d10	17.04	188	309566	20.00	ng	-0.02
75) Chrysene-d12	21.23	240	294952	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
32) Benzoic acid	9.91	122	412	8.86	ng	# 24
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	331981	20.05	ng	100
88) Benzo(k)fluoranthene	22.78	252	331981	20.49	ng	97
89) Benzo(a)pyrene	23.35	252	196306	12.65	ng	96
91) Benzo(g,h,i)perylene	26.41	276	90493	6.00	ng	94

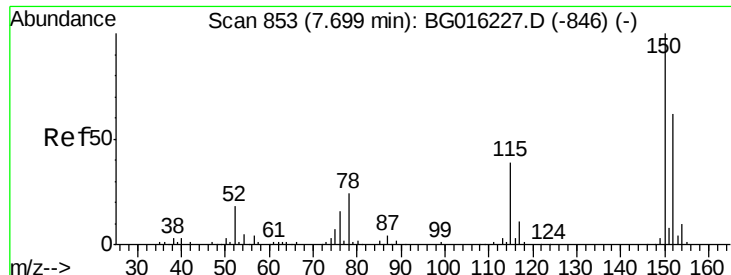
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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)

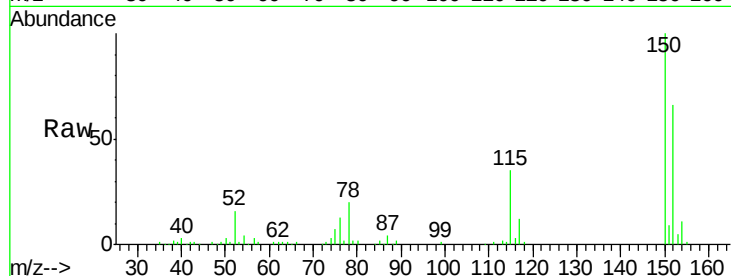
Tgt Ion:152 Resp: 58318

Ion Ratio Lower Upper

152 100

150 150.6 130.1 195.1

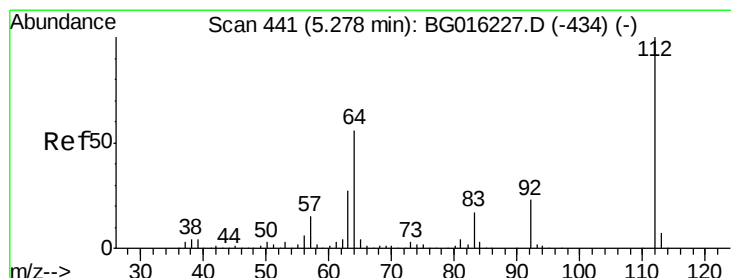
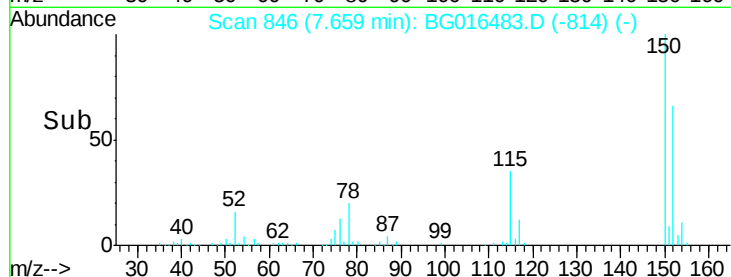
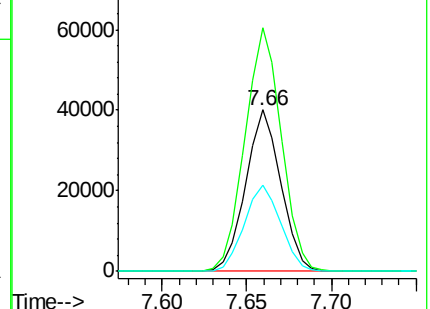
115 53.1 50.5 75.7



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

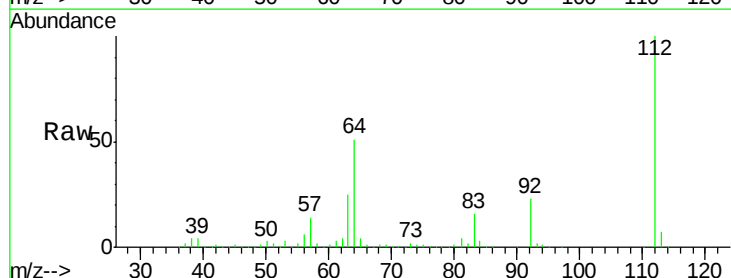
Tgt Ion:112 Resp: 496089

Ion Ratio Lower Upper

112 100

64 51.2 44.5 66.7

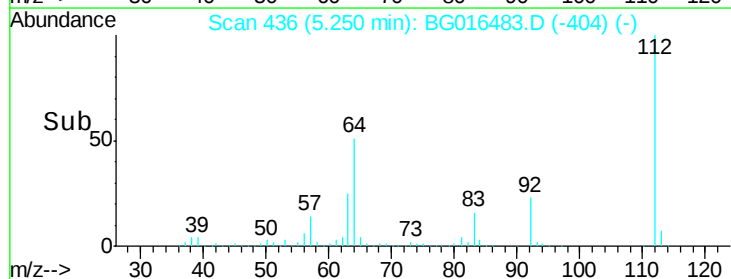
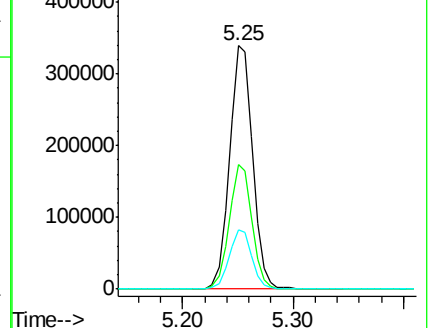
63 24.6 21.4 32.0

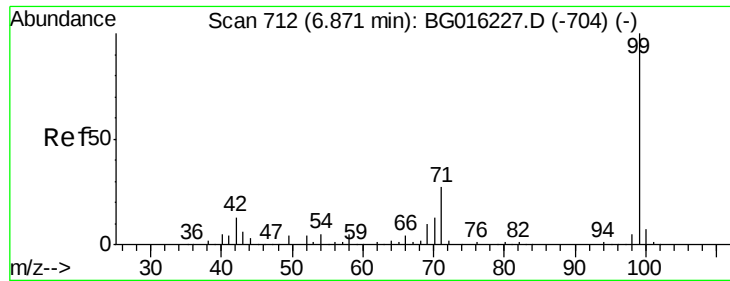


Abundance Ion 112.00 (111.70 to 112.70): E

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)

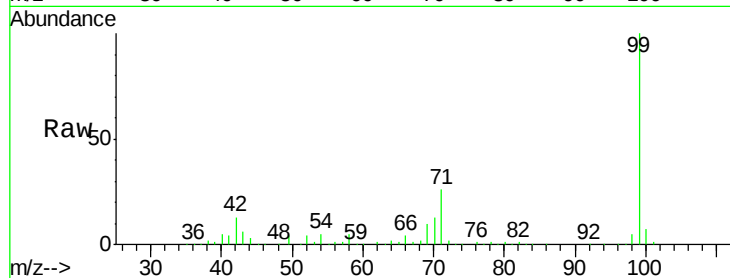
Tgt Ion: 99 Resp: 691816

Ion Ratio Lower Upper

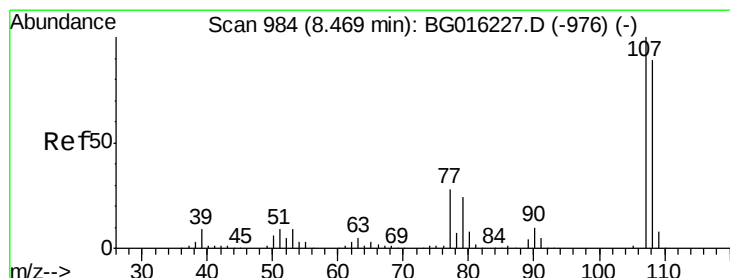
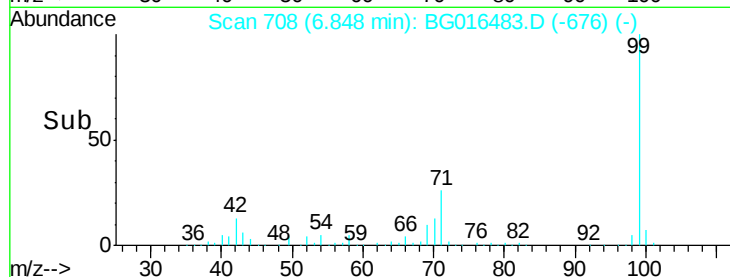
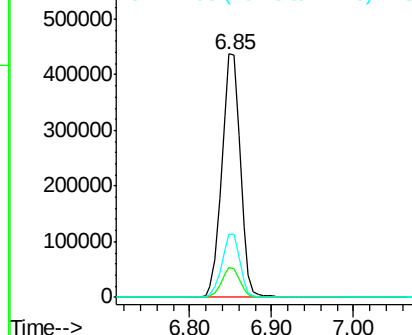
99 100

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

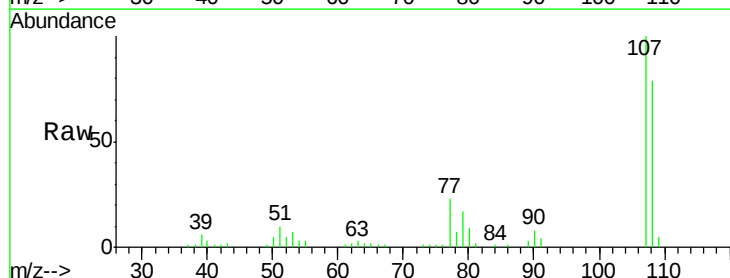
Ion Ratio Lower Upper

107 100

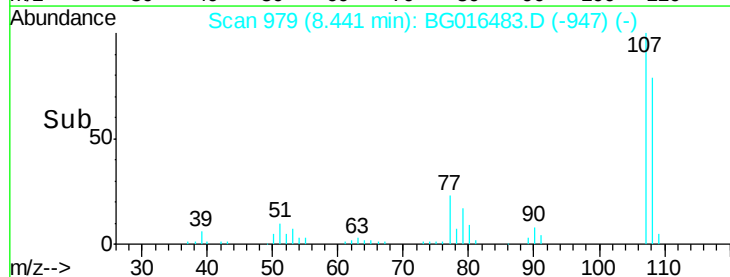
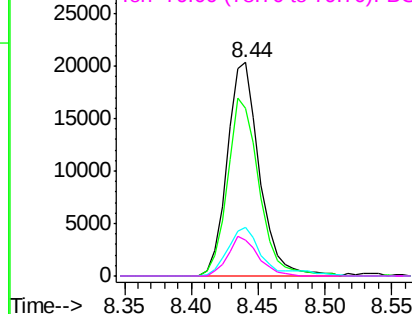
108 78.7 69.5 109.5

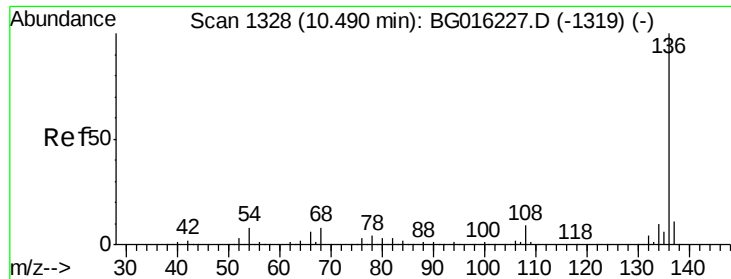
77 22.8 8.2 48.2

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

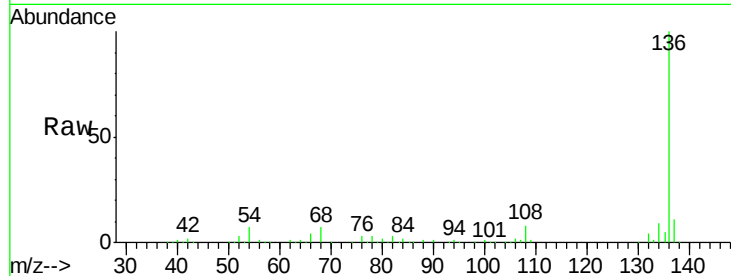




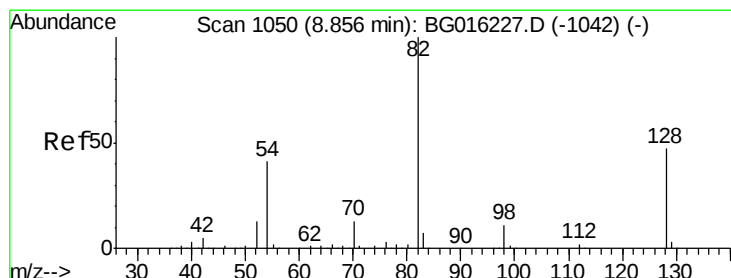
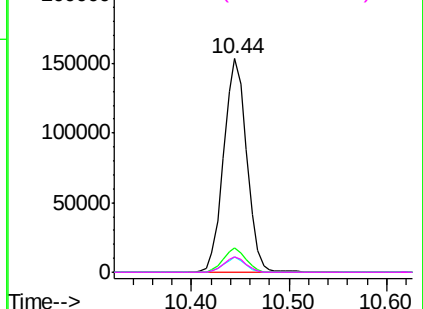
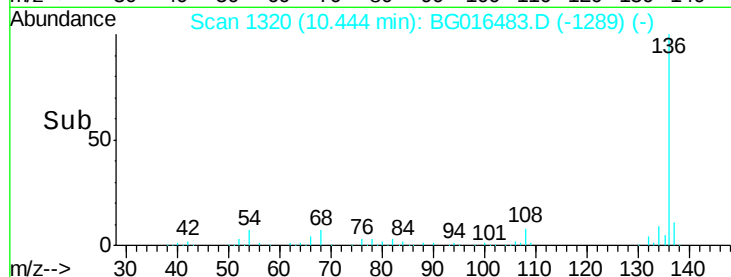
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.44 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

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

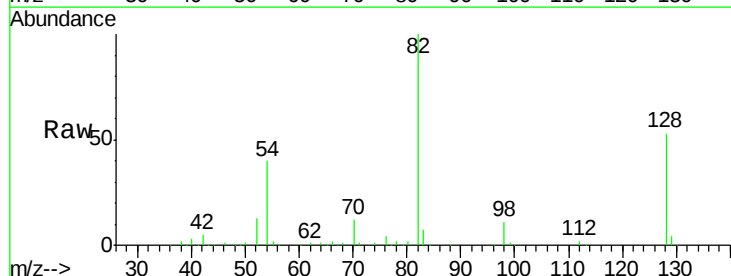


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

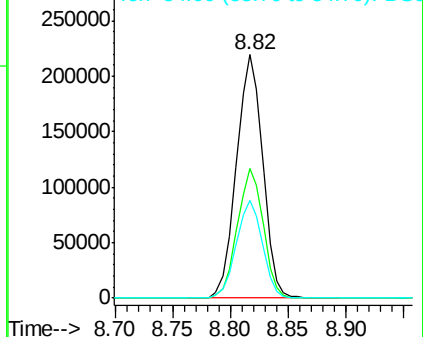
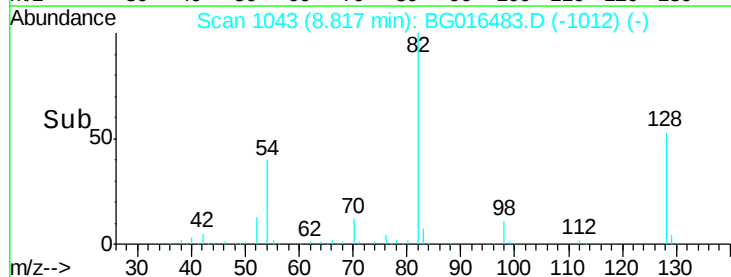


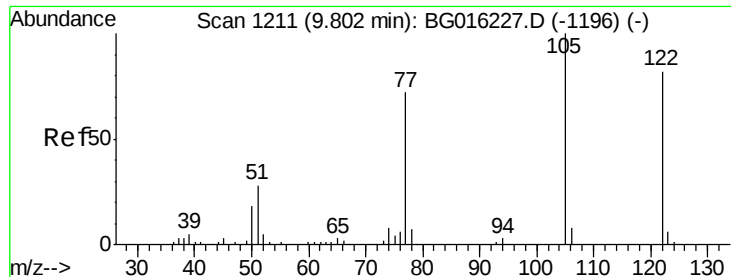
#23
Nitrobenzene-d5
Concen: 79.96 ng
RT: 8.82 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

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

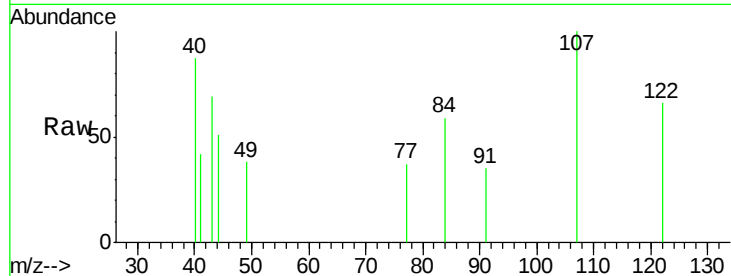




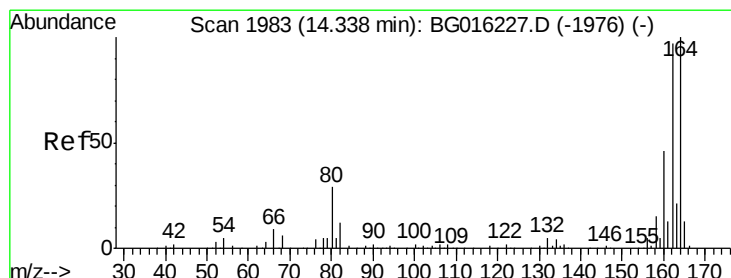
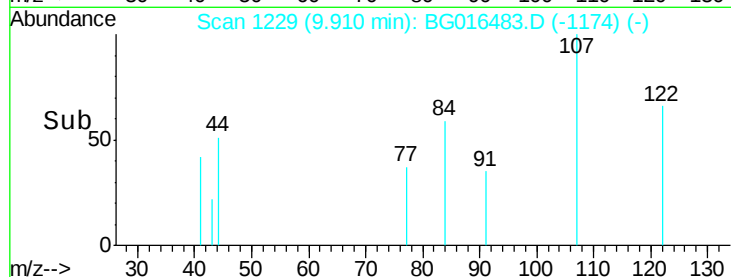
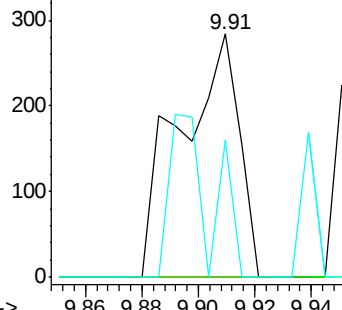
#32
Benzoic acid
Concen: 8.86 ng
RT: 9.91 min Scan# 1229
Delta R.T. 0.12 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

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

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.7	139.7#
77	56.3	66.8	106.8#

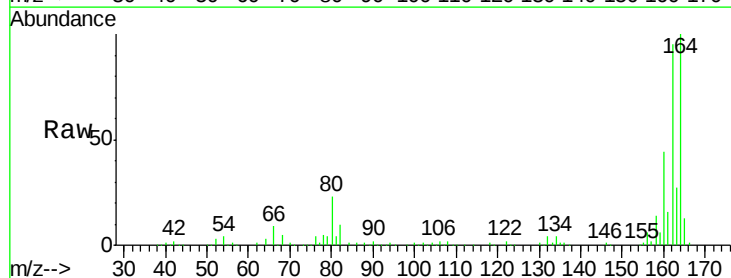


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

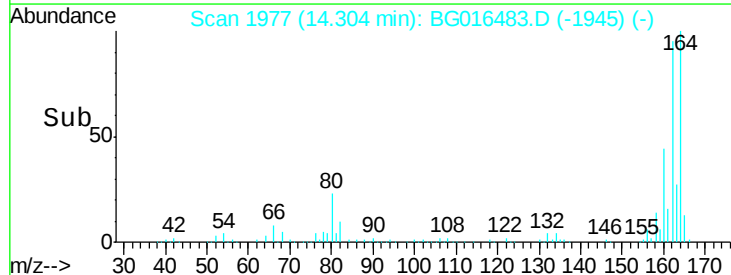
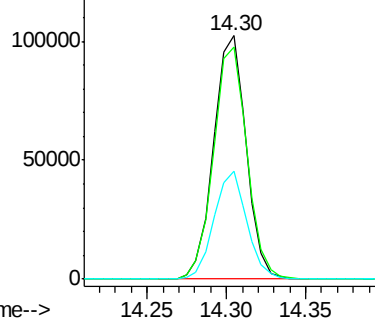


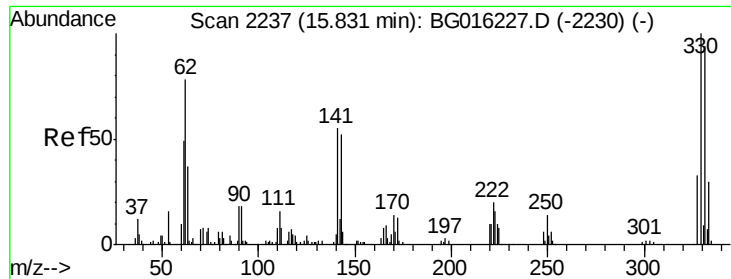
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.30 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG016483.D
Acq: 17 Apr 2015 9:08

Tgt 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

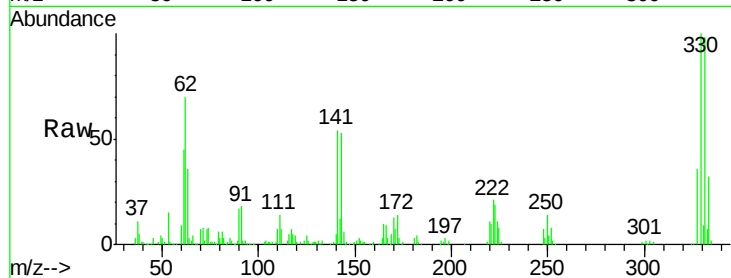




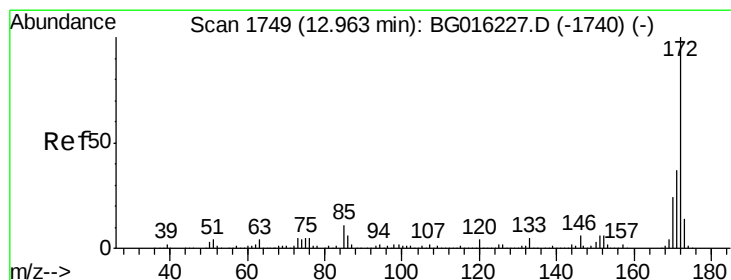
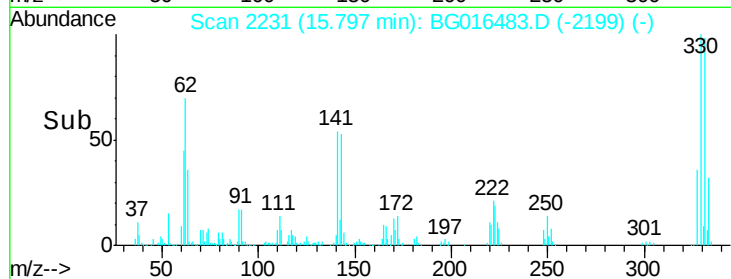
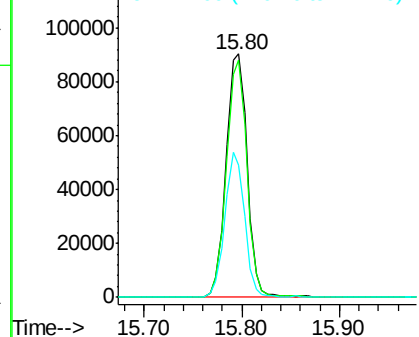
#41
 2,4,6-Tribromophenol
 Concen: 137.71 ng
 RT: 15.80 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BG016483.D
 Acq: 17 Apr 2015 9:08

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

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

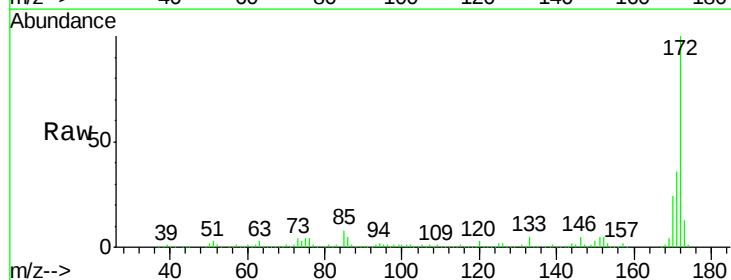


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

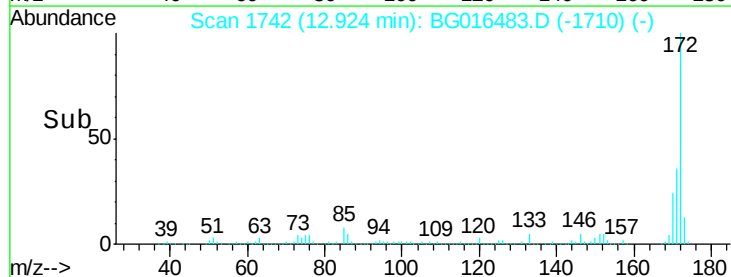
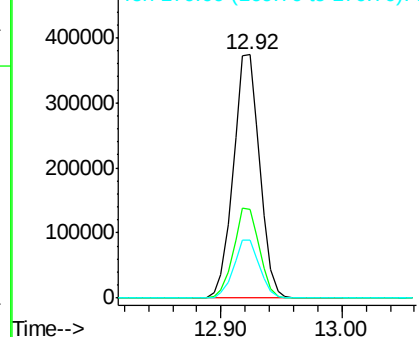


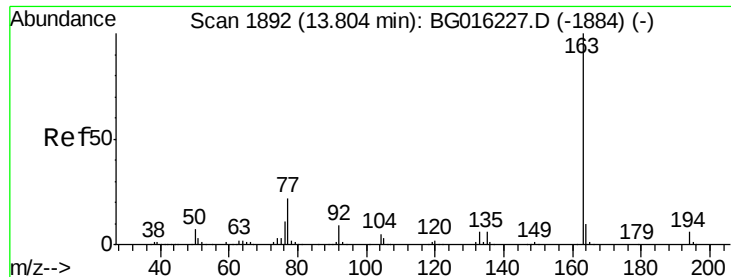
#44
 2-Fluorobiphenyl
 Concen: 66.10 ng
 RT: 12.92 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG016483.D
 Acq: 17 Apr 2015 9:08

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



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: 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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

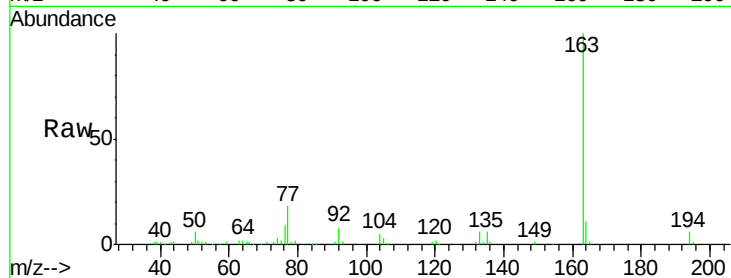
Tgt Ion:163 Resp: 66751

Ion Ratio Lower Upper

163 100

194 5.8 5.0 7.4

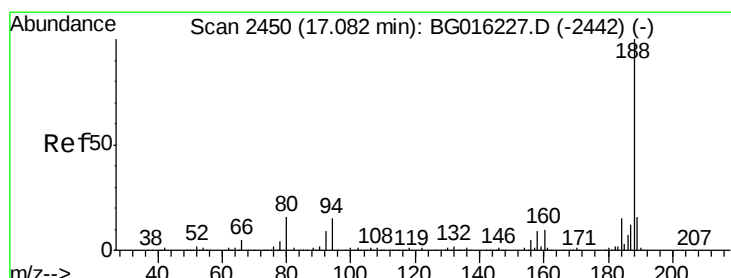
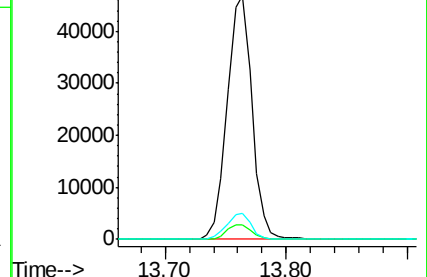
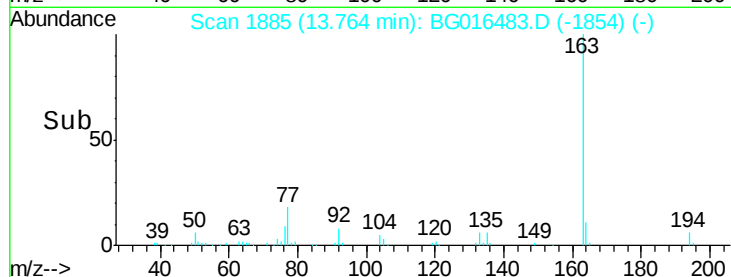
164 10.9 8.2 12.4



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: 17.04 min Scan# 2443

Delta R.T. -0.02 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

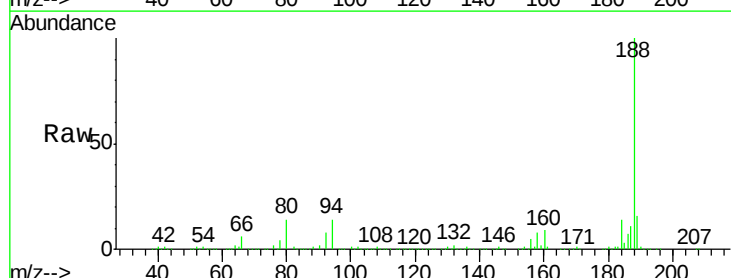
Tgt Ion:188 Resp: 309566

Ion Ratio Lower Upper

188 100

94 14.2 12.2 18.4

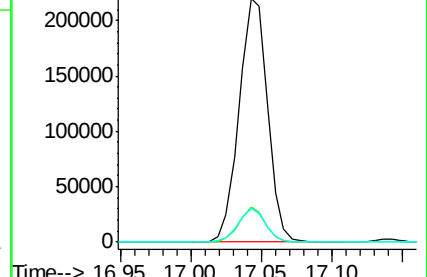
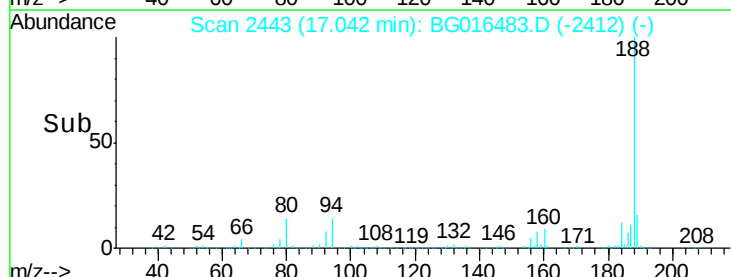
80 13.8 12.8 19.2

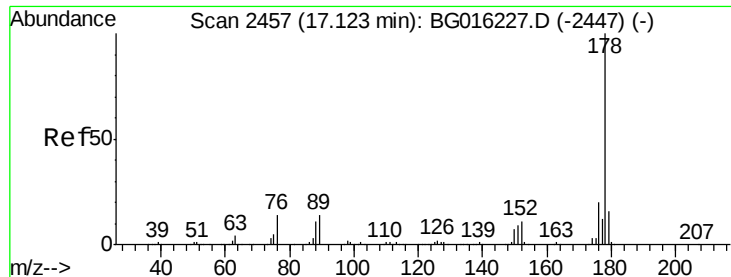


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

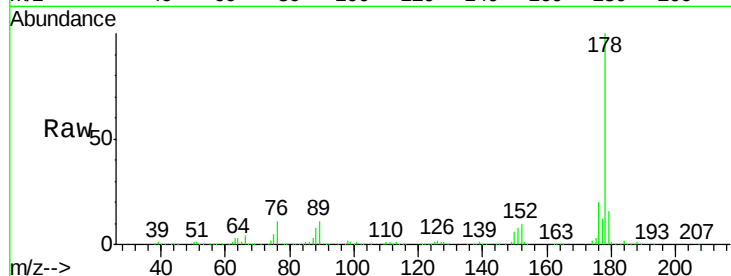
Tgt Ion:178 Resp: 154942

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

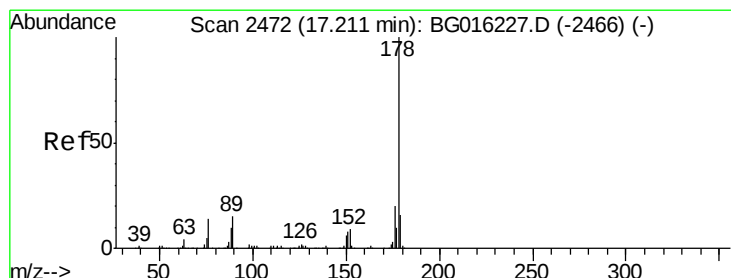
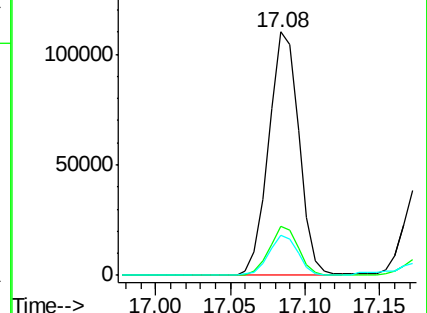
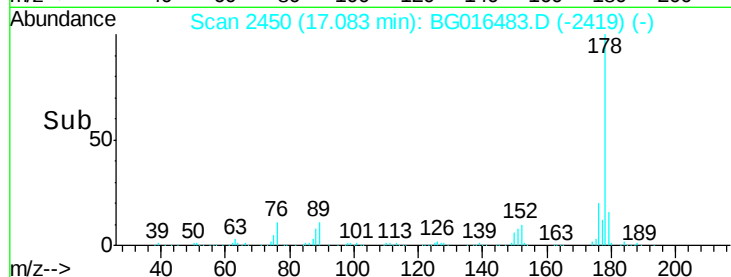
179 16.5 12.7 19.1



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

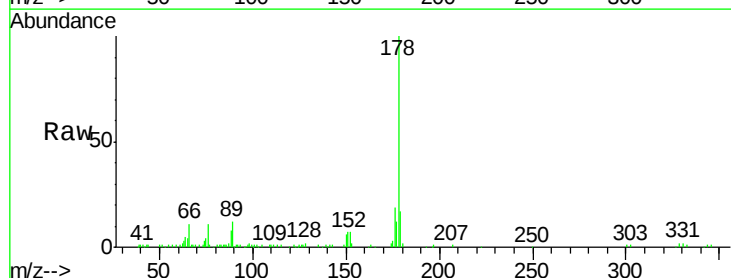
Tgt Ion:178 Resp: 55354

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

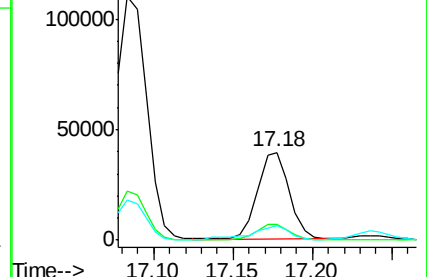
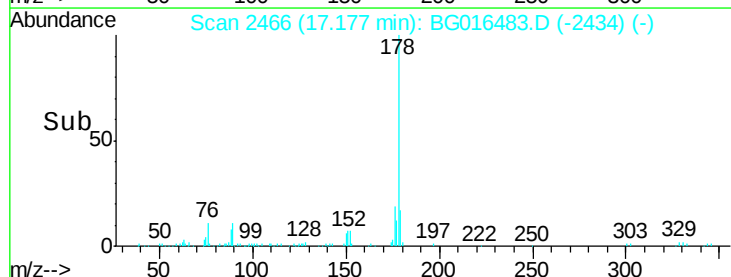
179 16.7 13.0 19.6

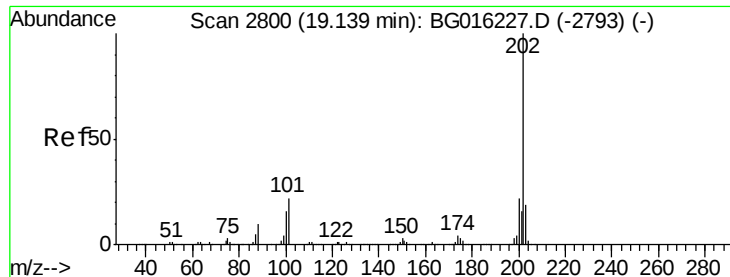


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

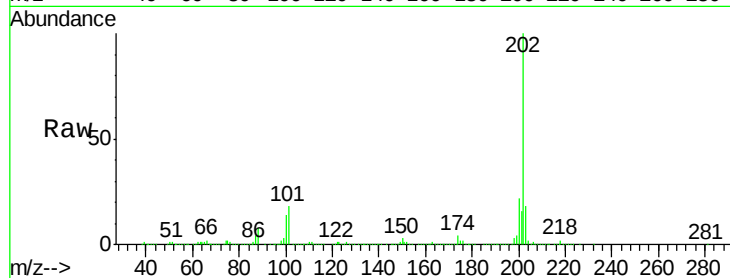
Tgt Ion:202 Resp: 476576

Ion Ratio Lower Upper

202 100

101 17.8 1.7 41.7

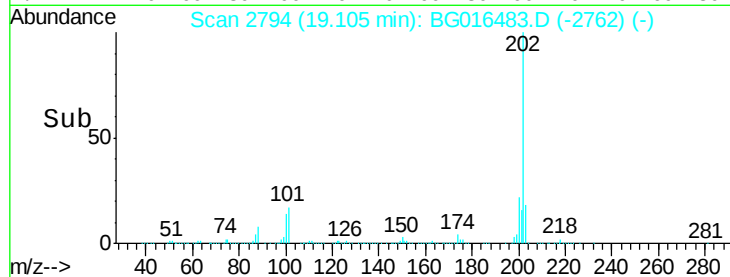
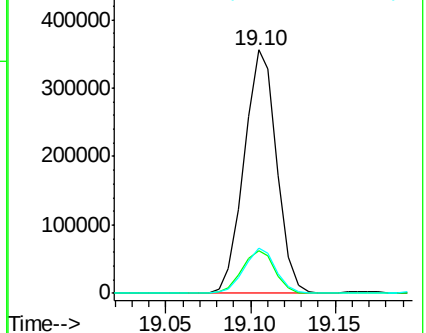
203 18.3 0.0 38.7



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

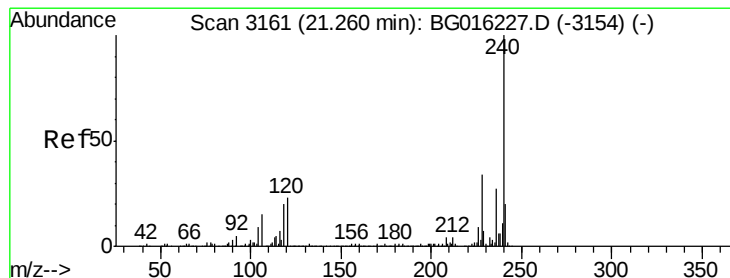
Tgt Ion:240 Resp: 294952

Ion Ratio Lower Upper

240 100

120 19.7 18.6 28.0

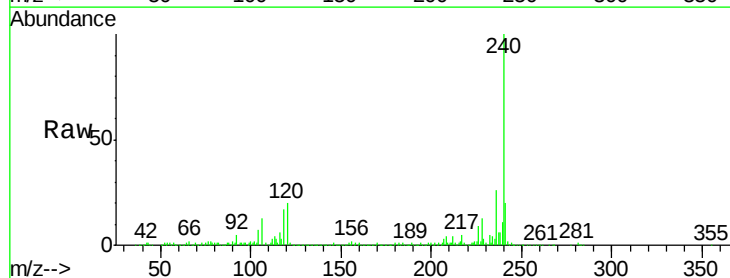
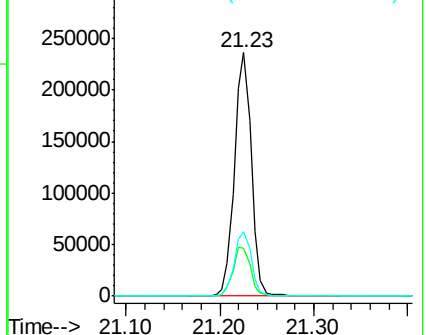
236 26.5 21.7 32.5

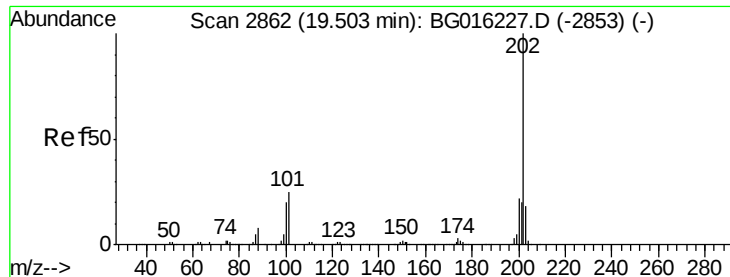


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

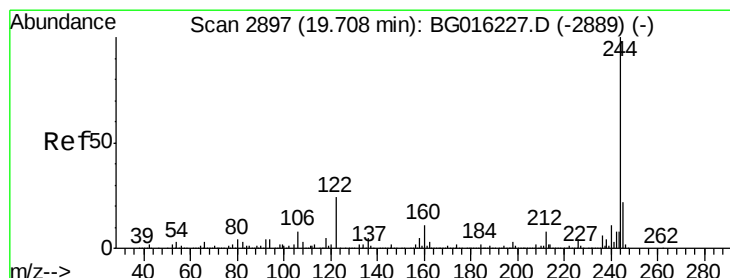
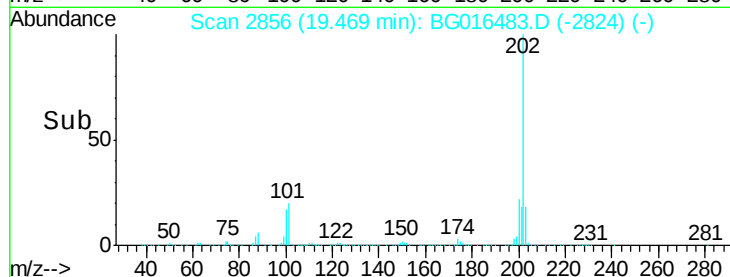
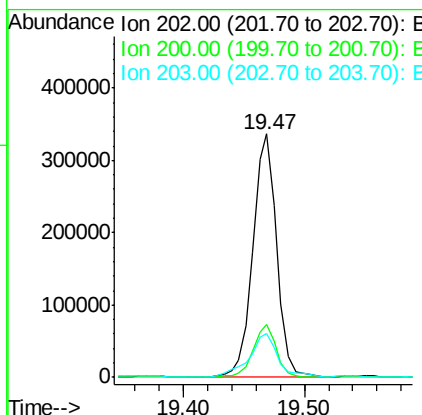
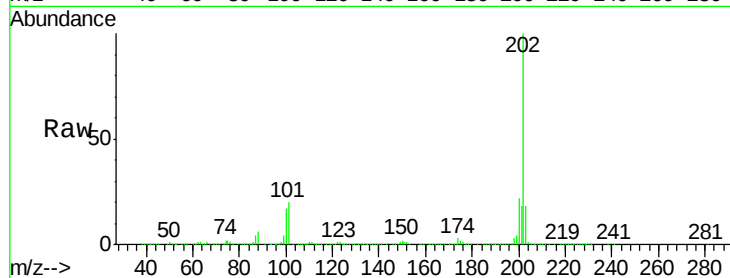




#77
 Pyrene
 Concen: 22.38 ng
 RT: 19.47 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BG016483.D
 Acq: 17 Apr 2015 9:08

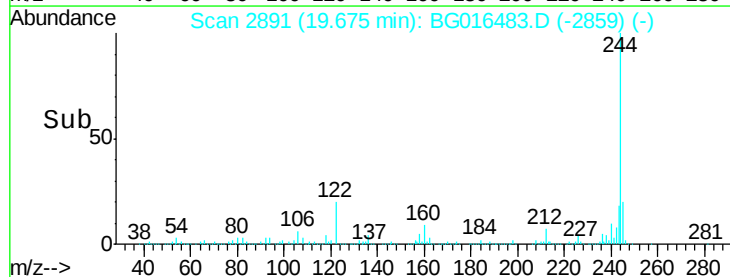
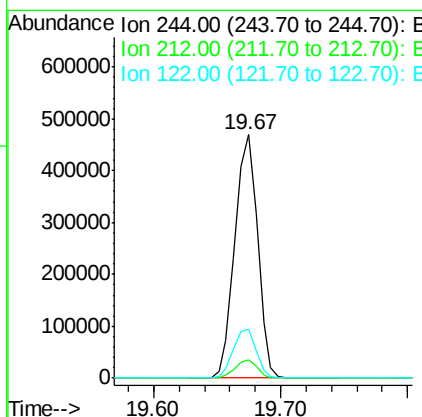
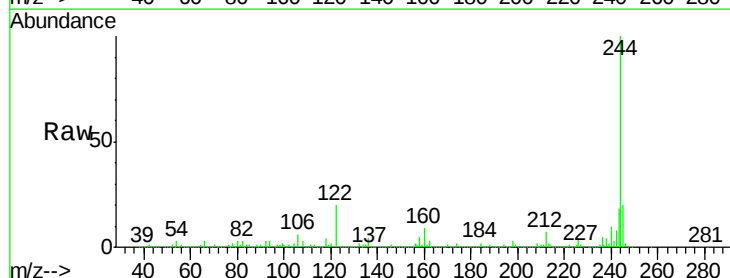
Instrument :
 BNA_G
 ClientSampleId :
 LS-SB16B(7-7.5)

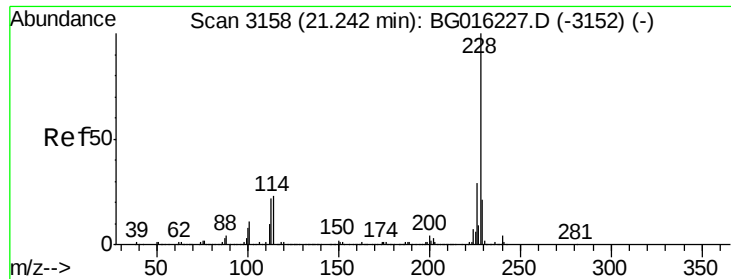
Tgt Ion:202 Resp: 459652
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.8 26.8
 203 18.1 14.7 22.1



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

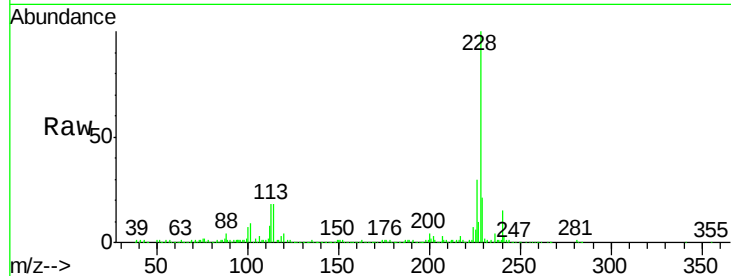
Tgt Ion:228 Resp: 272117

Ion Ratio Lower Upper

228 100

226 29.7 23.5 35.3

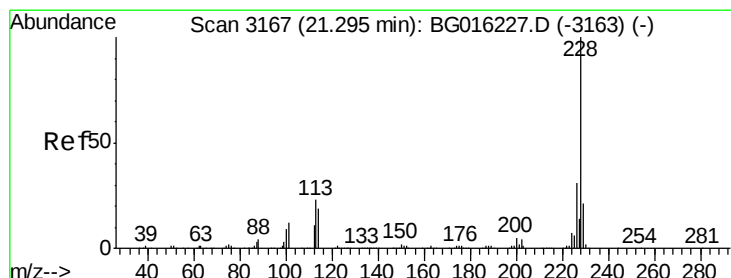
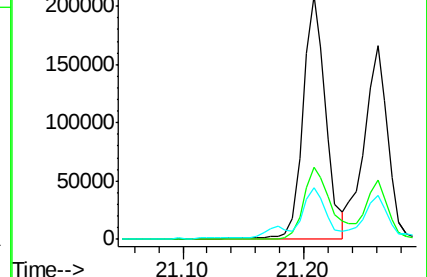
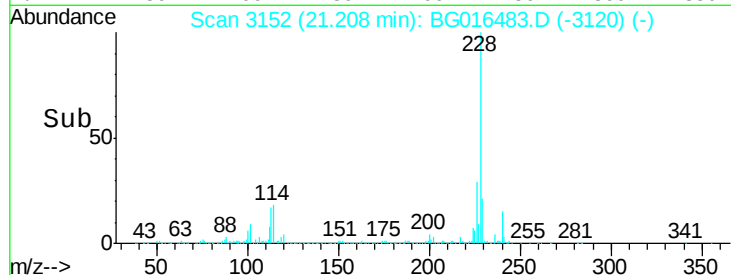
229 21.0 16.8 25.2



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

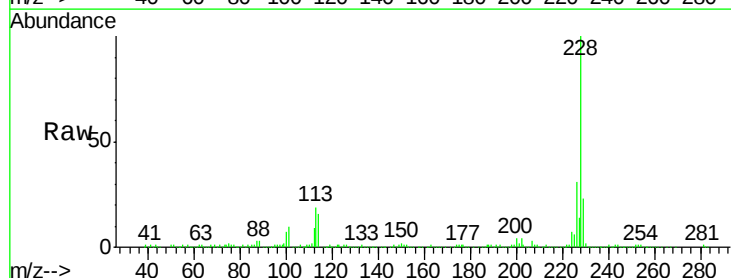
Tgt Ion:228 Resp: 221920

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.4

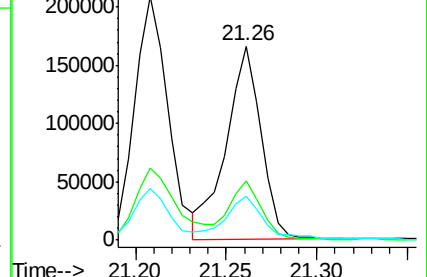
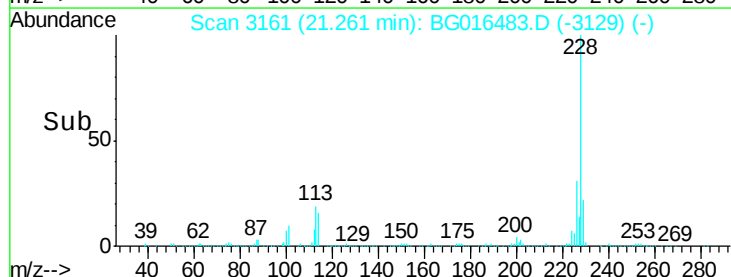
229 22.7 17.0 25.4

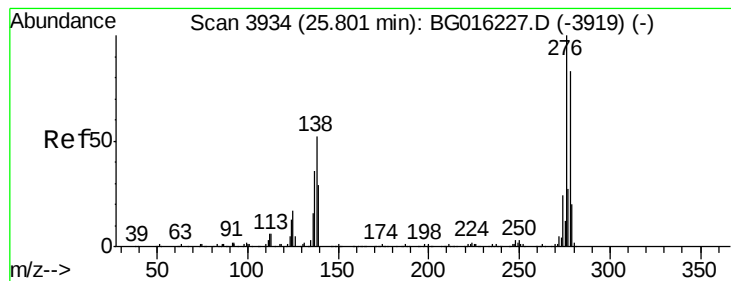


Abundance Ion 228.00 (227.70 to 228.70): E

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: 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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

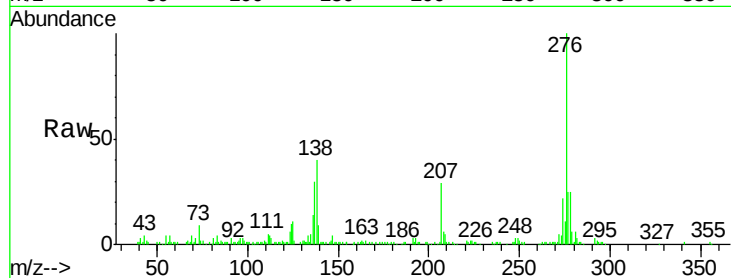
Tgt Ion: 276 Resp: 101117

Ion Ratio Lower Upper

276 100

138 42.4 41.5 62.3

277 26.0 21.0 31.6

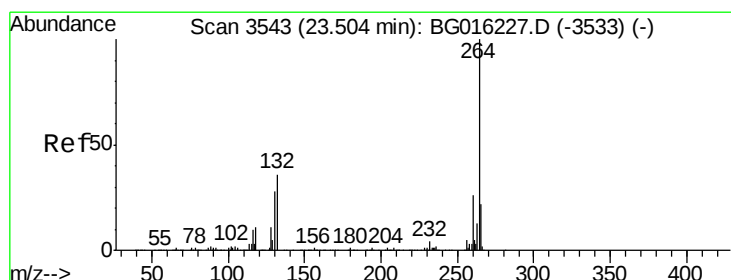
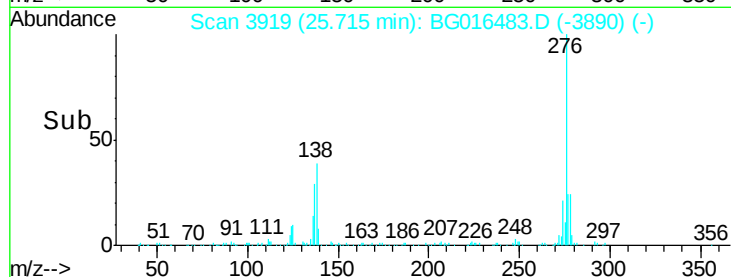
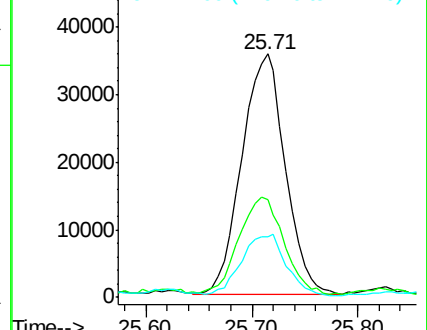


Abundance

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: 23.45 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

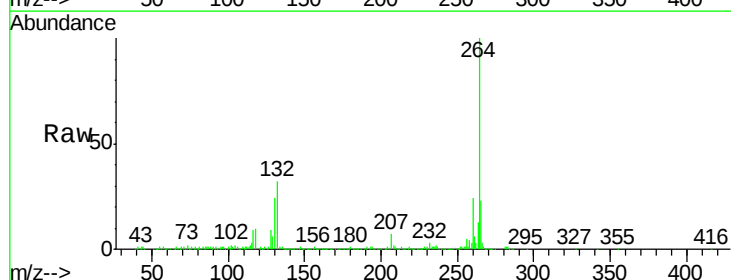
Tgt Ion: 264 Resp: 282651

Ion Ratio Lower Upper

264 100

260 24.2 20.4 30.6

265 23.2 17.2 25.8

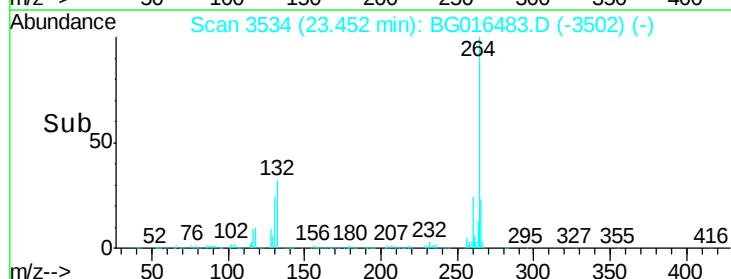
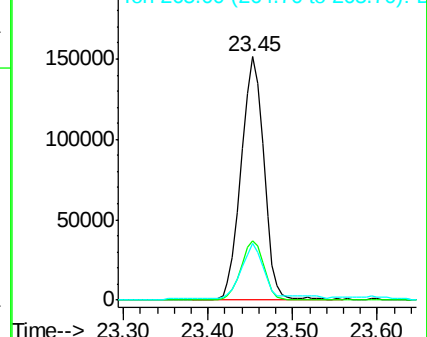


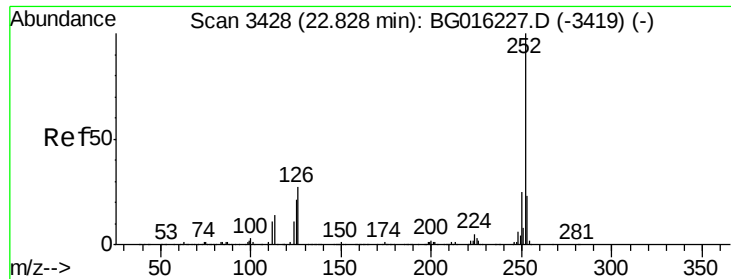
Abundance

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: 20.05 ng

RT: 22.78 min Scan# 3420

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)

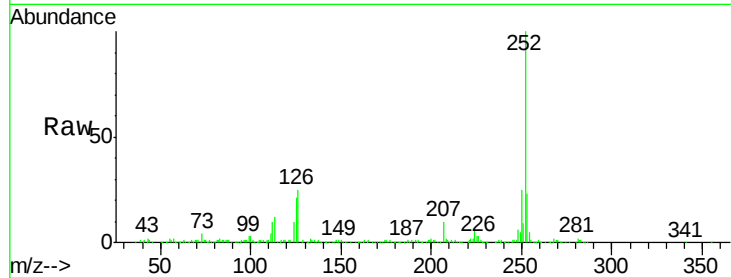
Tgt Ion:252 Resp: 331981

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

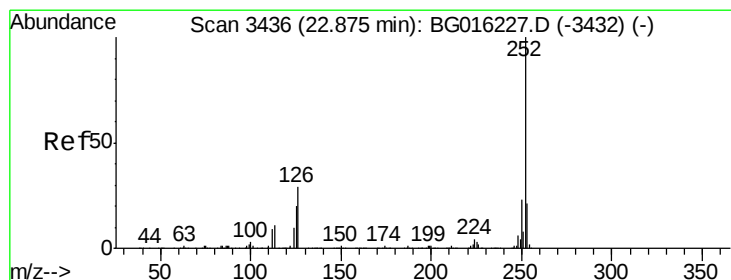
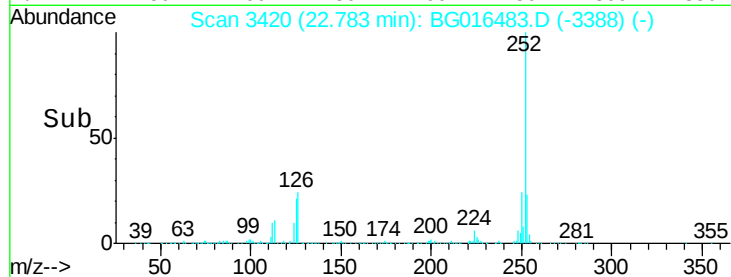
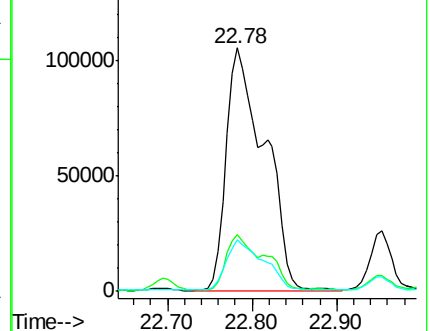
125 21.4 17.0 25.6



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: 20.49 ng

RT: 22.78 min Scan# 3420

Delta R.T. -0.06 min

Lab File: BG016483.D

Acq: 17 Apr 2015 9:08

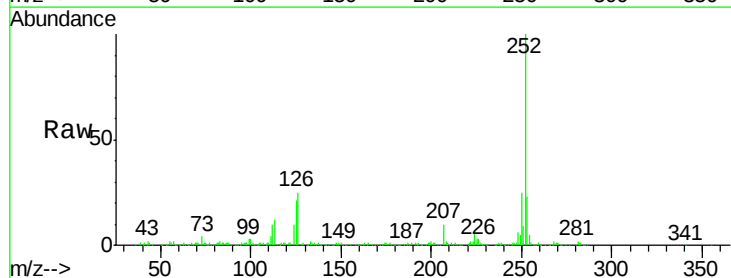
Tgt Ion:252 Resp: 331981

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

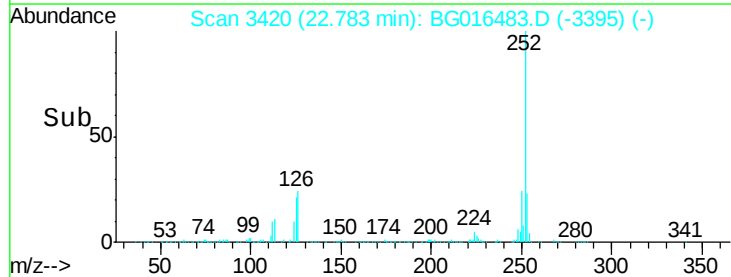
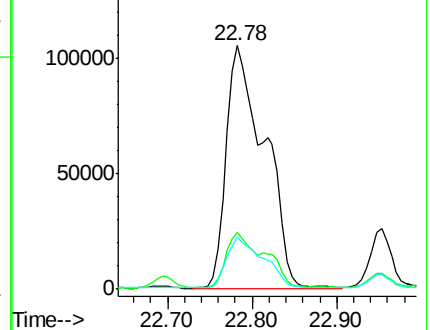
125 21.4 16.3 24.5

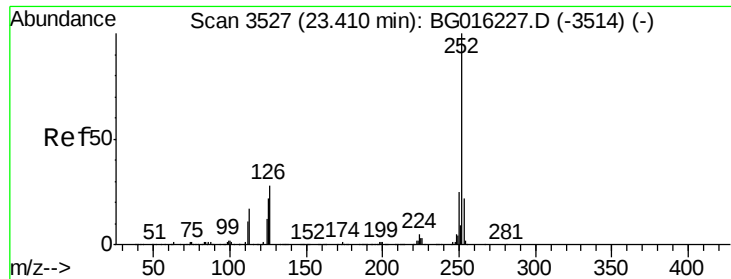


Abundance Ion 252.00 (251.70 to 252.70): E

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

Instrument :

BNA_G

ClientSampleId :

LS-SB16B(7-7.5)

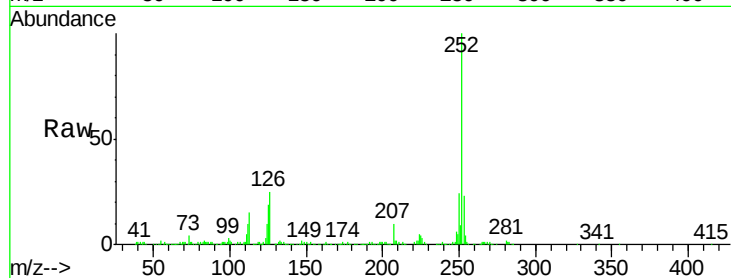
Tgt Ion: 252 Resp: 196306

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

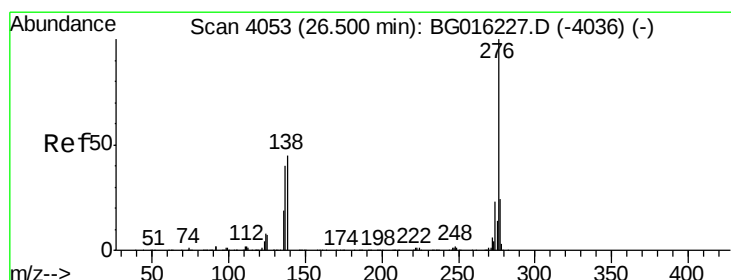
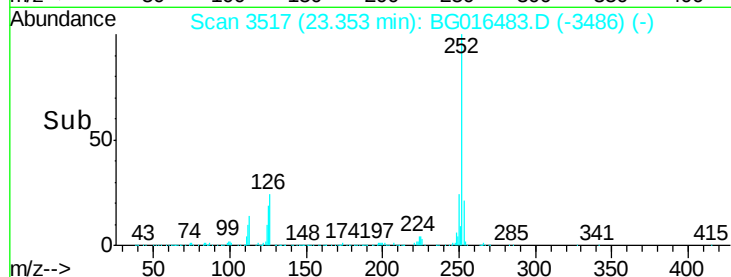
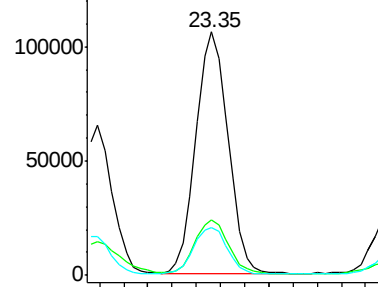
125 19.5 17.6 26.4



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



#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

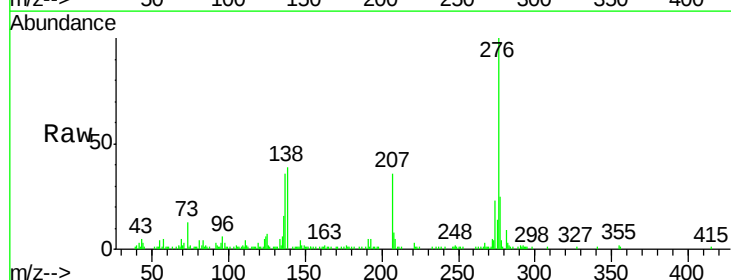
Tgt Ion: 276 Resp: 90493

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

