

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
 Data File : BG016768.D
 Acq On : 28 Apr 2015 17:15
 Operator : TP/IZ
 Sample : G2024-04 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-09-0-2.0

Quant Time: Apr 29 01:26:56 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 00:55:31 2015
 Response via : Initial Calibration

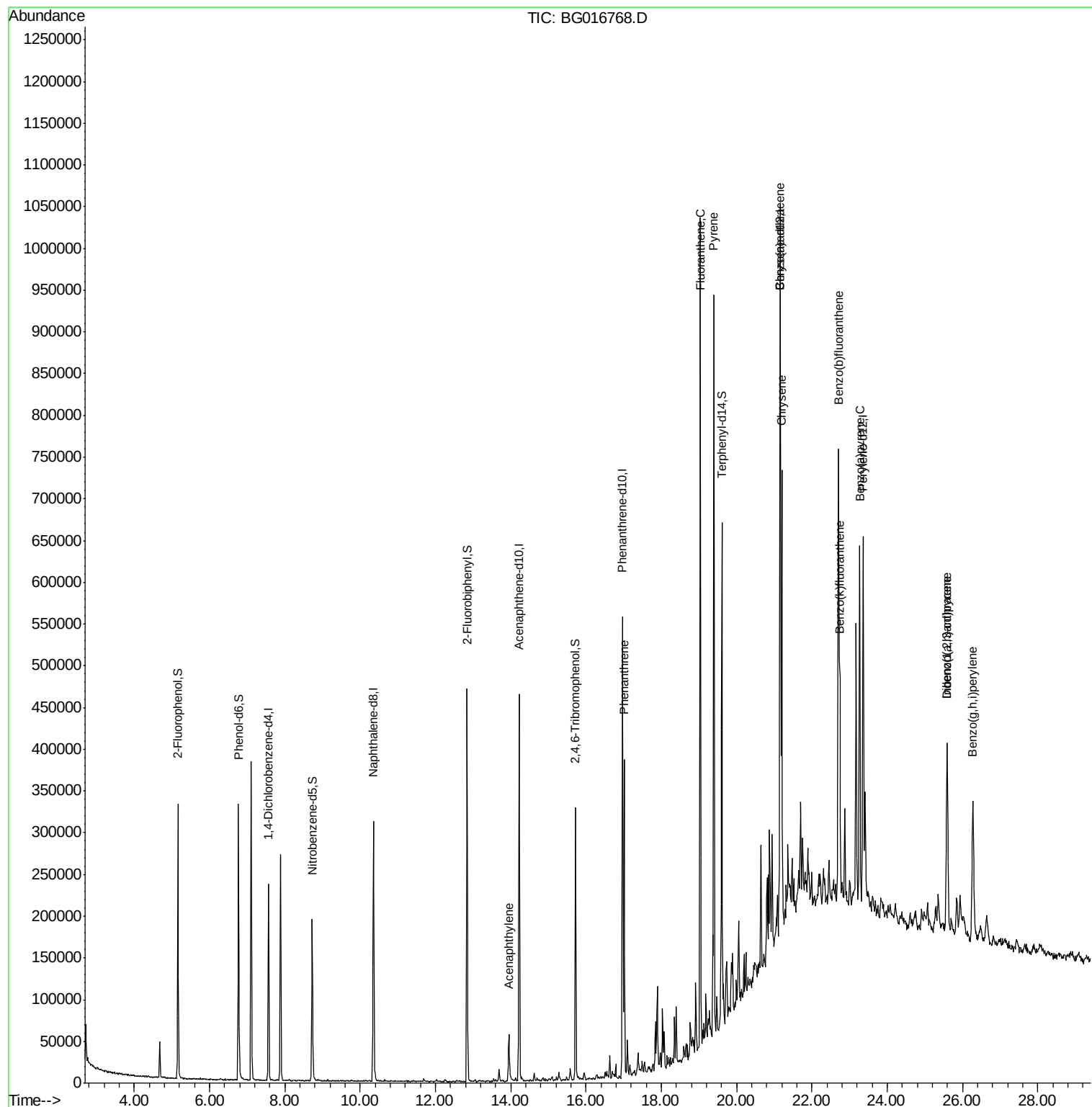
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	67842	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	289735	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	160417	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	299391	20.00	ng	0.00
75) Chrysene-d12	21.17	240	256505	20.00	ng	0.00
86) Perylene-d12	23.36	264	244723	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	174389	41.71	ng	0.00
7) Phenol-d6	6.77	99	240794	41.06	ng	0.00
23) Nitrobenzene-d5	8.73	82	119807	26.13	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	50803	42.69	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	252234	25.26	ng	0.00
78) Terphenyl-d14	19.61	244	252050	22.64	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	13.95	152	61655	3.63	ng	98
70) Phenanthrene	17.01	178	212276	12.34	ng	100
74) Fluoranthene	19.04	202	556746	30.55	ng	96
77) Pyrene	19.40	202	494824	27.46	ng	98
80) Benzo(a)anthracene	21.15	228	264323	16.99	ng	98
82) Chrysene	21.20	228	284177m	19.06	ng	
85) Indeno(1,2,3-cd)pyrene	25.59	276	177545	10.92	ng	90
87) Benzo(b)fluoranthene	22.70	252	390660	26.28	ng	99
88) Benzo(k)fluoranthene	22.74	252	110403m	7.61	ng	
89) Benzo(a)pyrene	23.27	252	244623	17.46	ng	97
90) Dibenzo(a,h)anthracene	25.59	278	49481	3.63	ng	# 91
91) Benzo(a,h,i)perylene	26.28	276	168687	12.17	ng	98

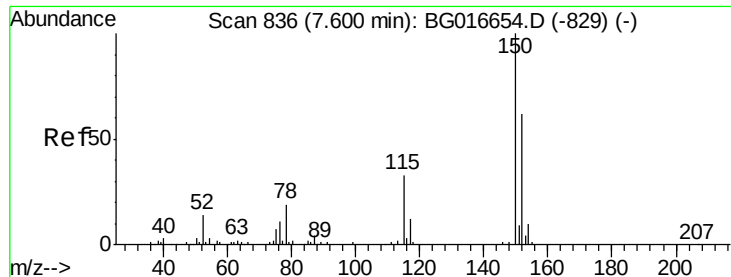
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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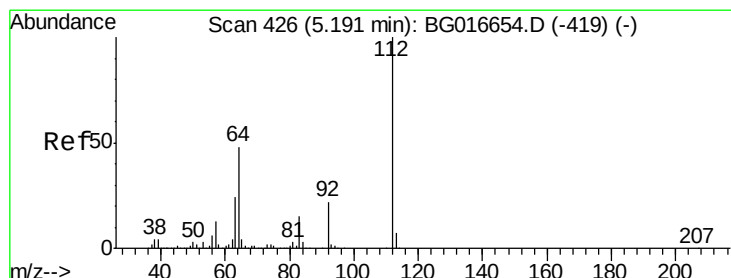
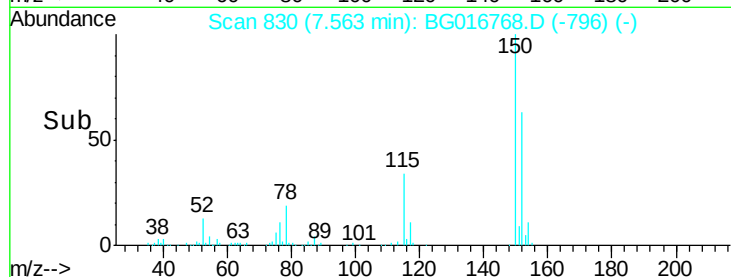
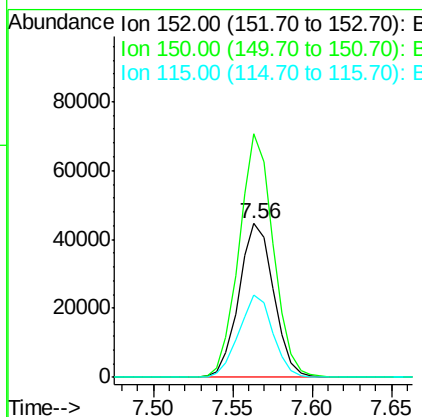
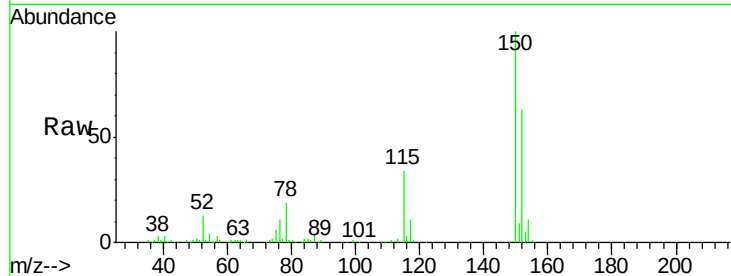


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG016768.D
Acq: 28 Apr 2015 17:15

Instrument :
BNA_G
ClientSampleId :
SB-09-0-2.0

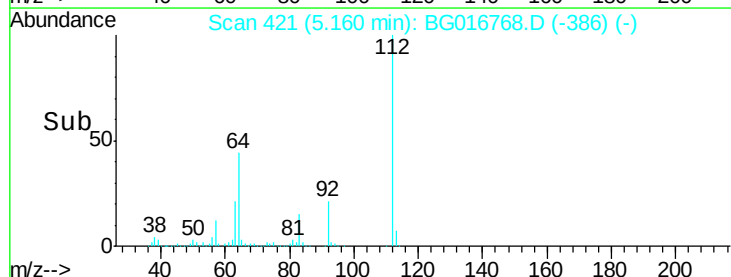
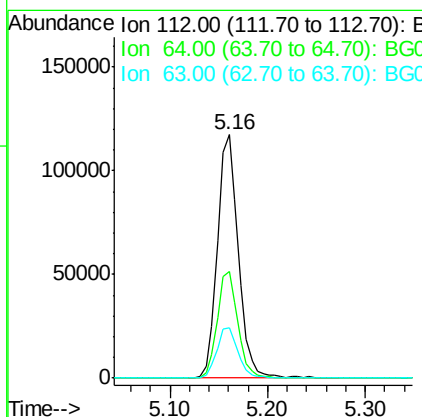
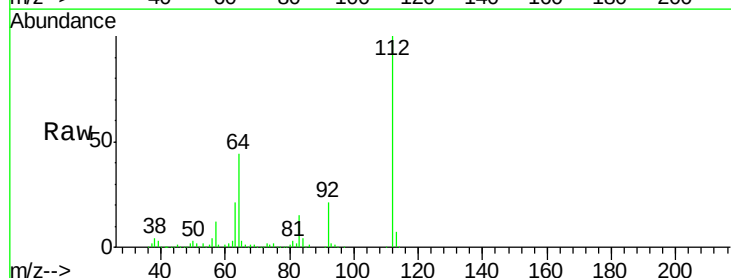
Tot Ion	152	Resp	67842
Ion Ratio	Lower	Upper	
152	100		
150	158.2	129.6	194.4
115	53.6	43.0	64.6

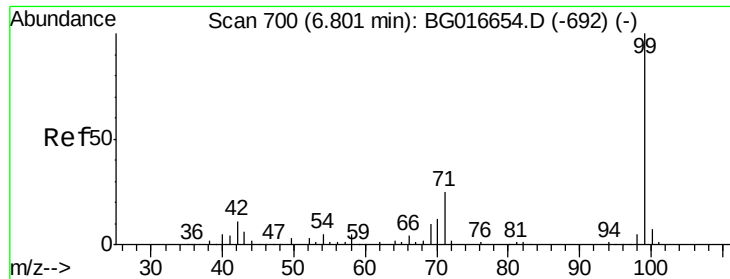


#5

2-Fluorophenol
Concen: 41.71 ng
RT: 5.16 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG016768.D
Acq: 28 Apr 2015 17:15

Tgt Ion	112	Resp	174389
Ion Ratio	Lower	Upper	
112	100		
64	43.9	38.3	57.5
63	20.9	18.9	28.3





#7

Phenol-d6

Concen: 41.06 ng

RT: 6.77 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

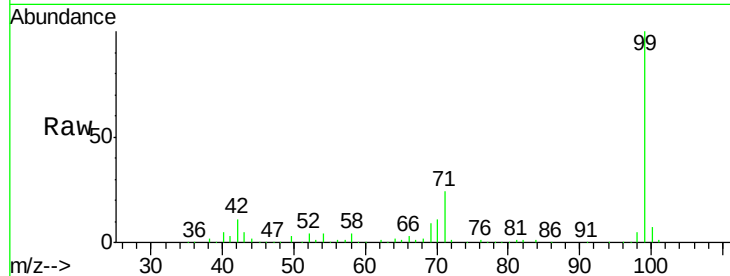
Tot Ion: 99 Resp: 240794

Ion Ratio Lower Upper

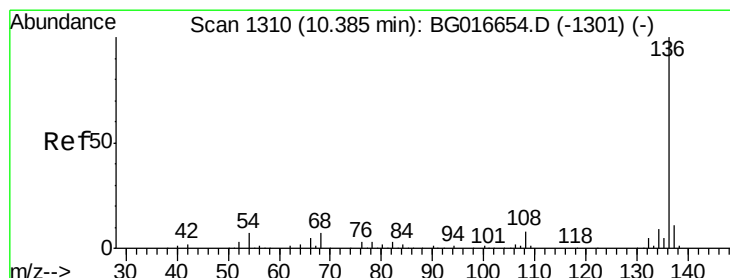
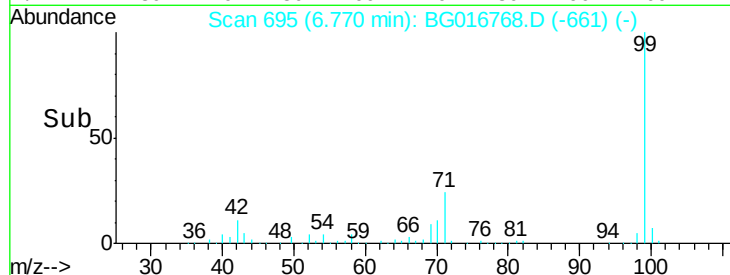
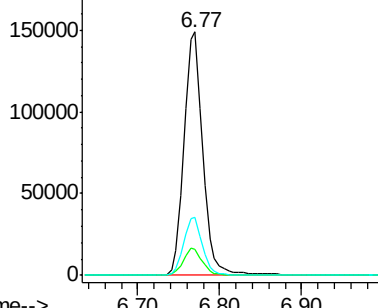
99 100

42 10.5 8.8 13.2

71 23.6 19.9 29.9



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: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Tgt Ion: 136 Resp: 289735

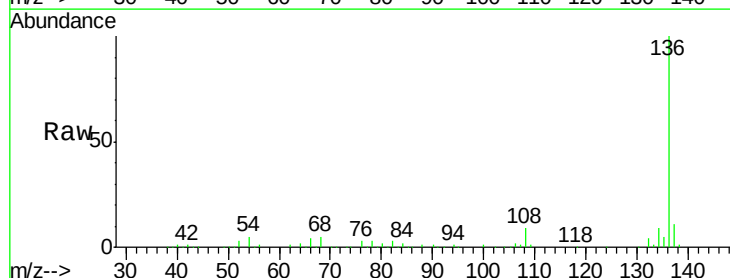
Ion Ratio Lower Upper

136 100

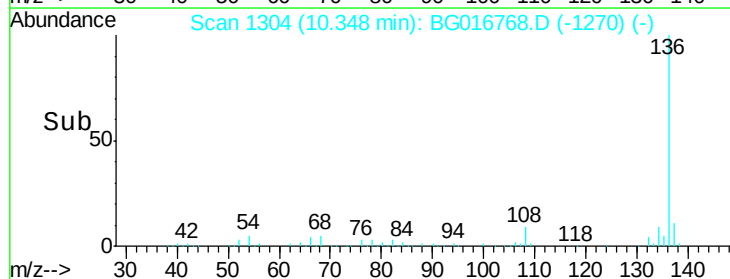
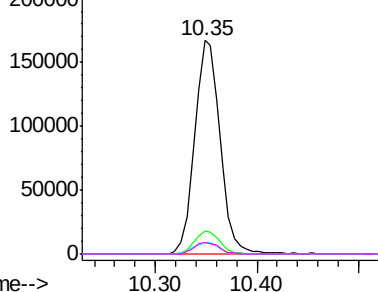
137 11.0 8.5 12.7

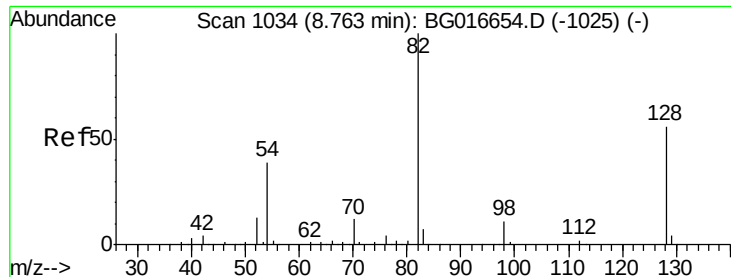
54 5.4 5.4 8.2#

68 5.3 5.2 7.8



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

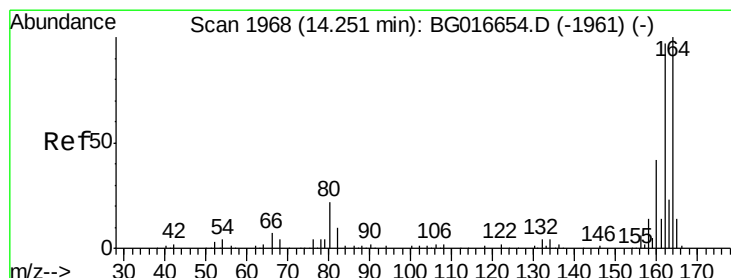
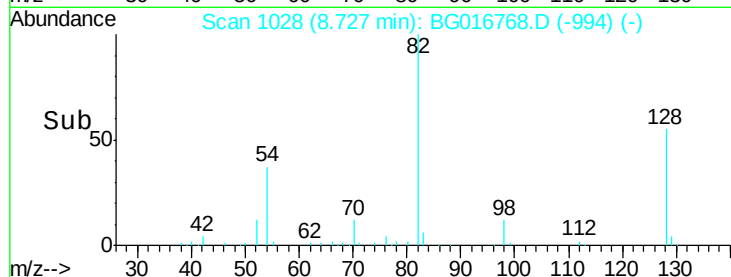
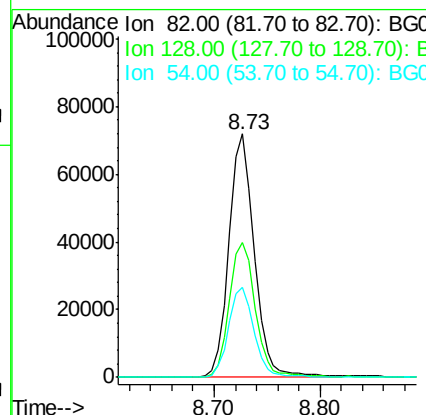
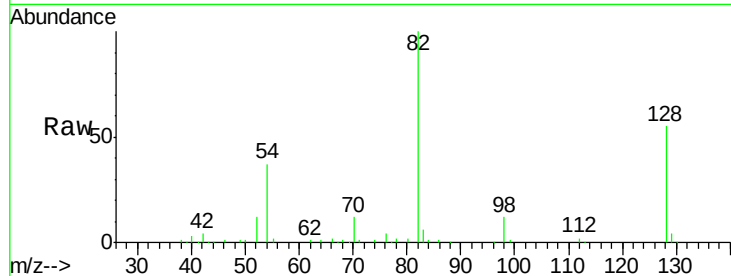




#23
 Nitrobenzene-d5
 Concen: 26.13 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016768.D
 Acq: 28 Apr 2015 17:15

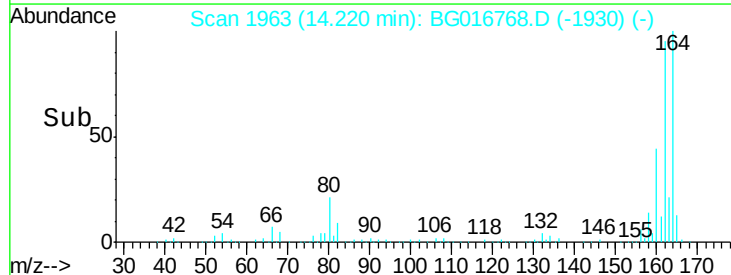
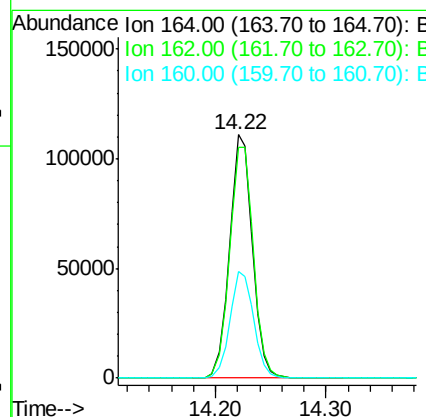
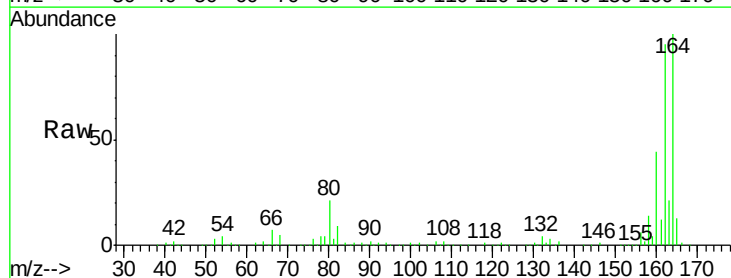
Instrument :
 BNA_G
 ClientSampleId :
 SB-09-0-2.0

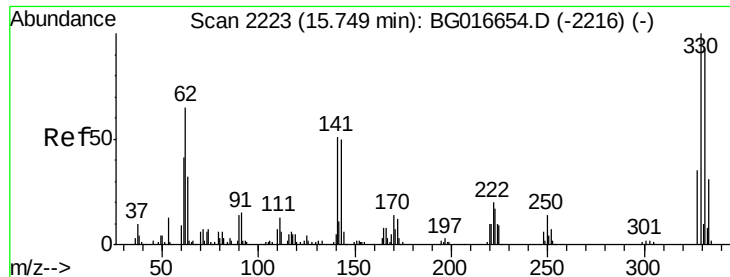
Tot Ion	82	Resp	119807
Ion Ratio	100	Lower	Upper
128	55.1	44.7	67.1
54	36.9	30.9	46.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016768.D
 Acq: 28 Apr 2015 17:15

Tgt Ion	164	Resp	160417
Ion Ratio	100	Lower	Upper
162	95.0	77.3	115.9
160	43.9	33.7	50.5

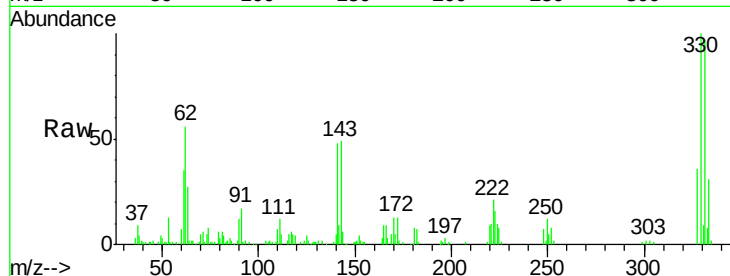




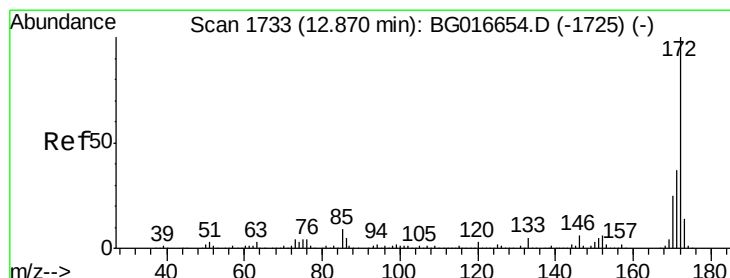
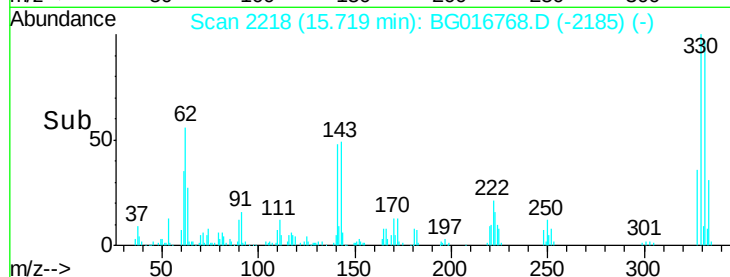
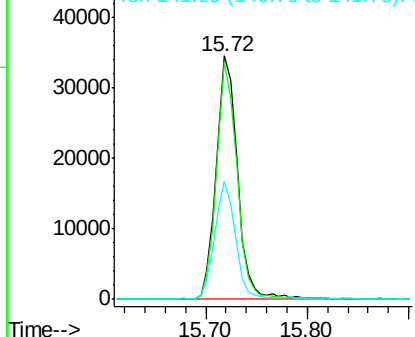
#41
 2,4,6-Tribromophenol
 Concen: 42.69 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016768.D
 Acq: 28 Apr 2015 17:15

Instrument :
 BNA_G
 ClientSampleId :
 SB-09-0-2.0

Tot Ion:330 Resp: 50803
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.2 114.4
 141 46.3 43.0 64.6

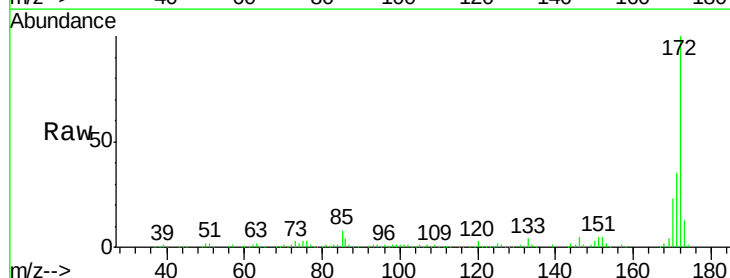


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

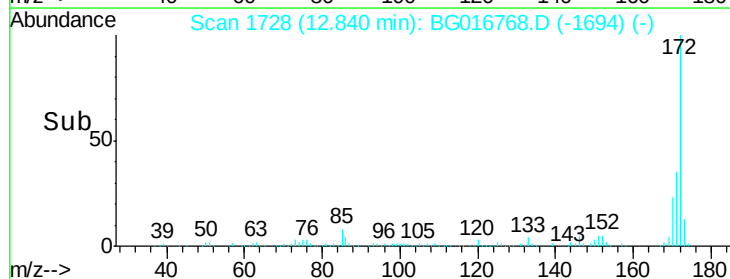
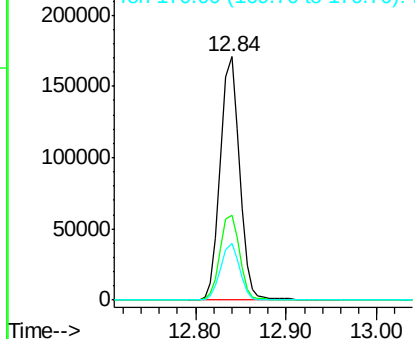


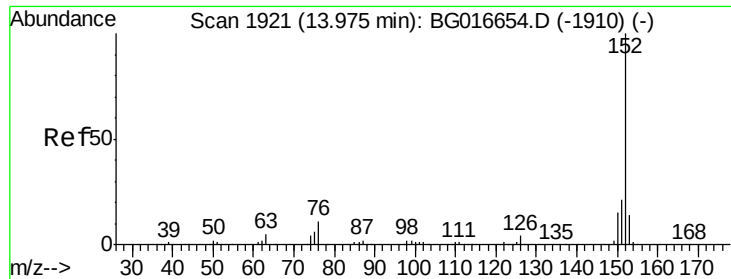
#44
 2-Fluorobiphenyl
 Concen: 25.26 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG016768.D
 Acq: 28 Apr 2015 17:15

Tgt Ion:172 Resp: 252234
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.9 44.9
 170 23.2 19.8 29.8



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





#48

Acenaphthylene

Concen: 3.63 ng

RT: 13.95 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

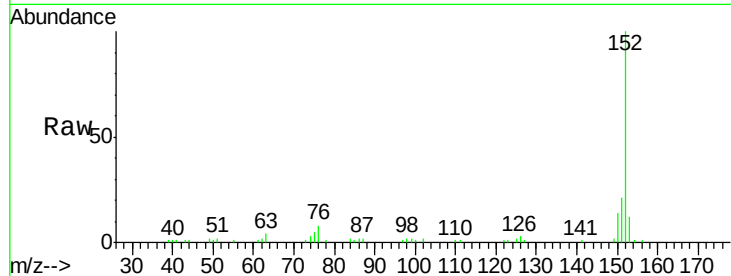
Tot Ion:152 Resp: 61655

Ion Ratio Lower Upper

152 100

151 21.0 16.7 25.1

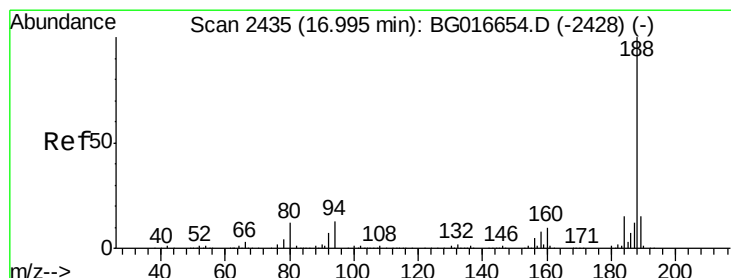
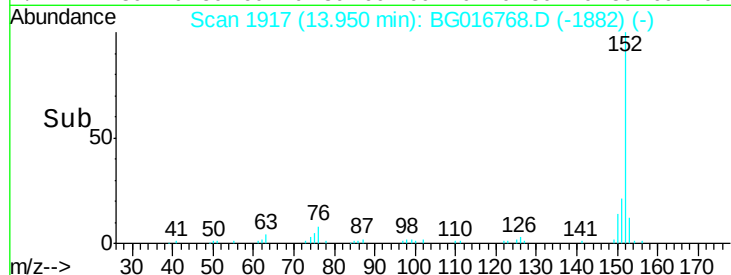
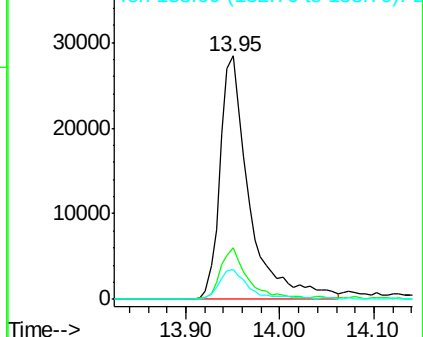
153 12.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.97 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

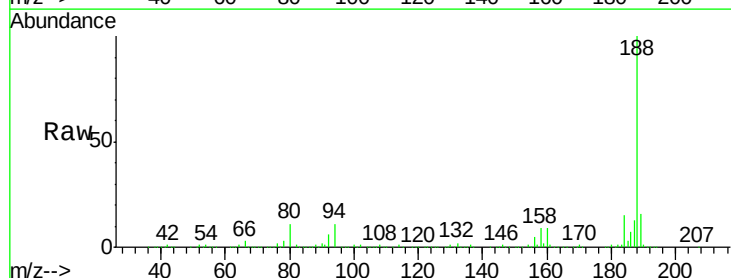
Tgt Ion:188 Resp: 299391

Ion Ratio Lower Upper

188 100

94 11.4 10.7 16.1

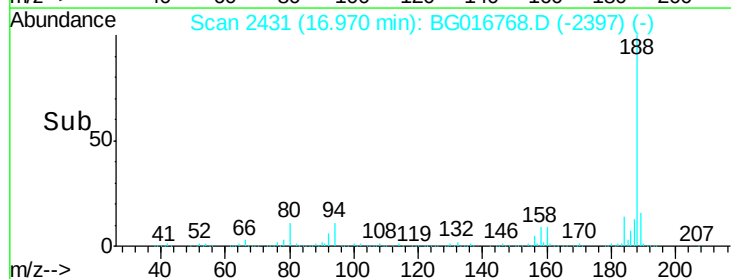
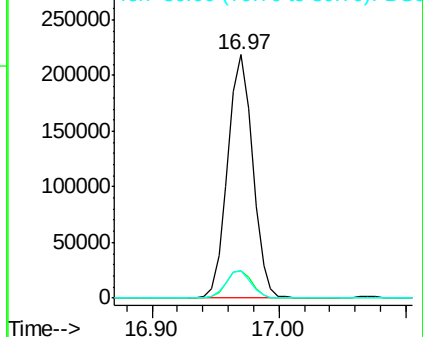
80 11.0 9.9 14.9

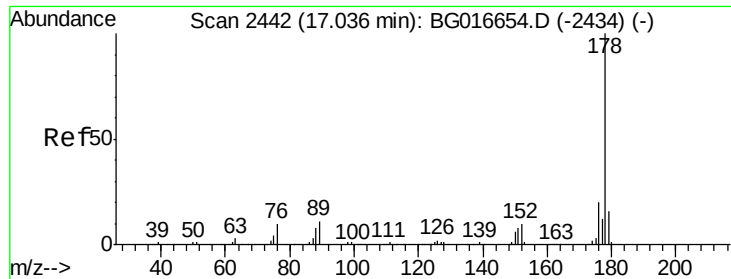


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 12.34 ng

RT: 17.01 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

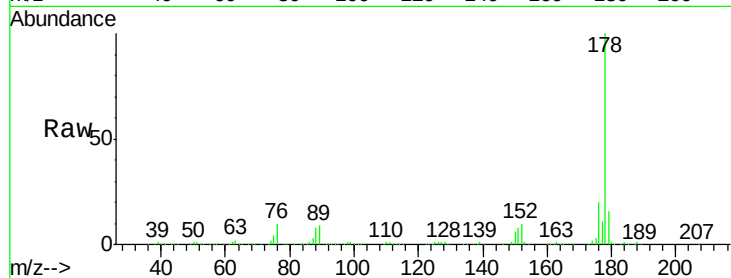
Tot Ion:178 Resp: 212276

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

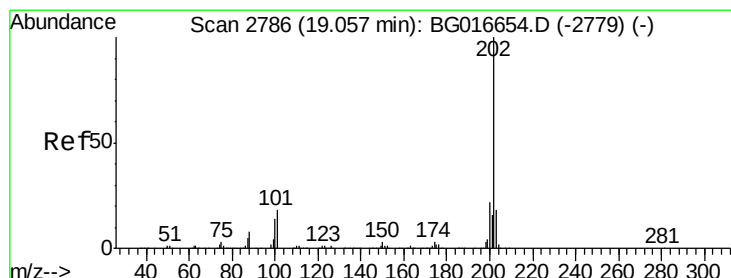
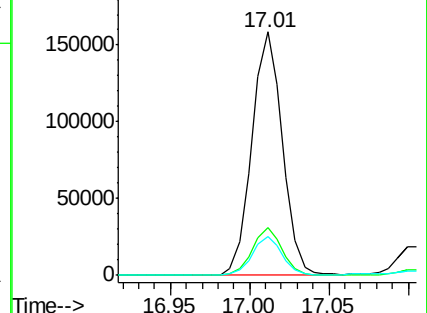
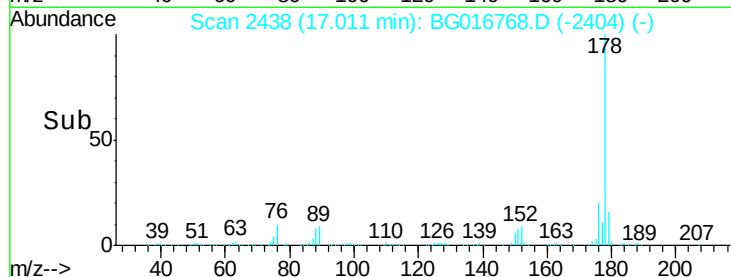
179 16.0 12.8 19.2



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: 30.55 ng

RT: 19.04 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

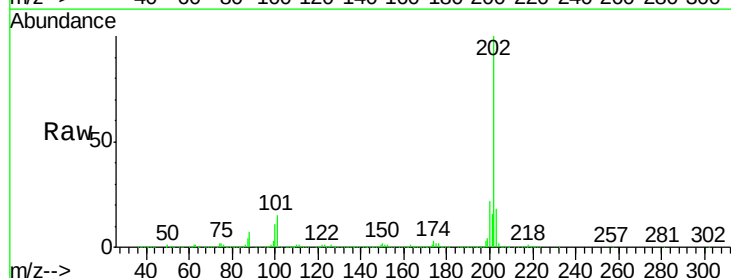
Tgt Ion:202 Resp: 556746

Ion Ratio Lower Upper

202 100

101 15.0 0.0 38.1

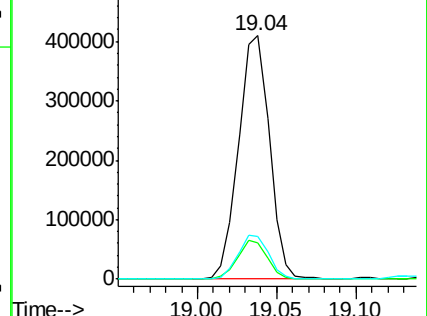
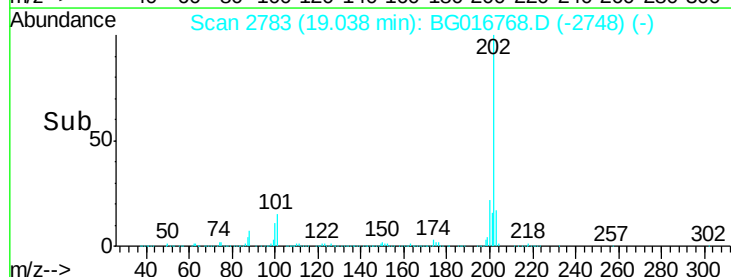
203 17.6 0.0 38.4

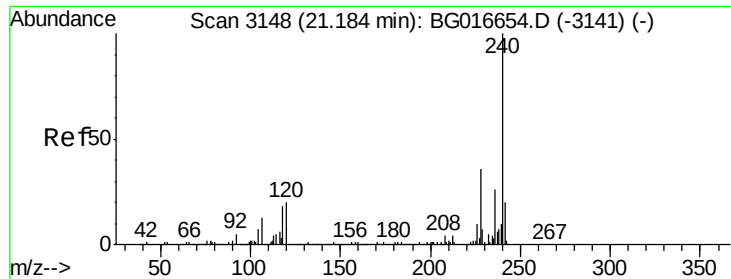


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

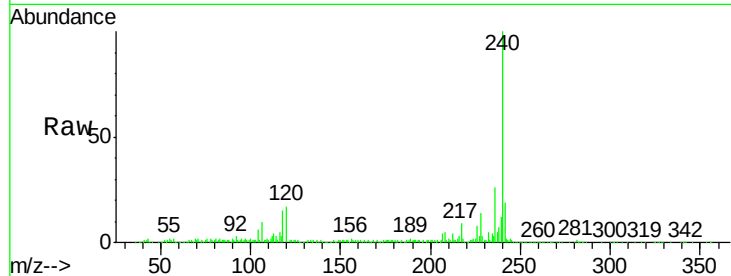
Tot Ion:240 Resp: 256505

Ion Ratio Lower Upper

240 100

120 17.2 16.3 24.5

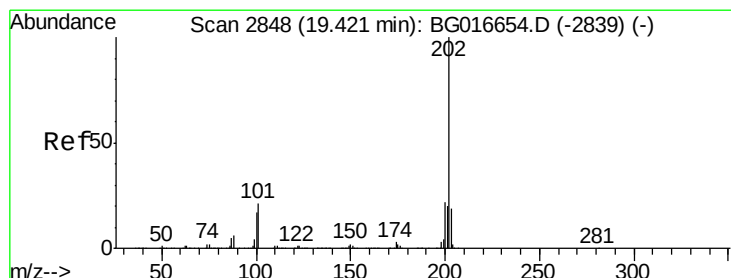
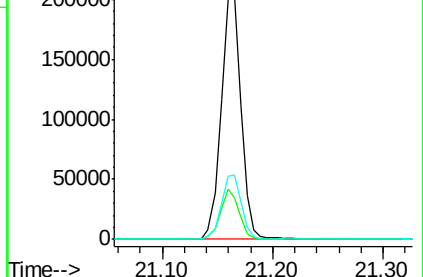
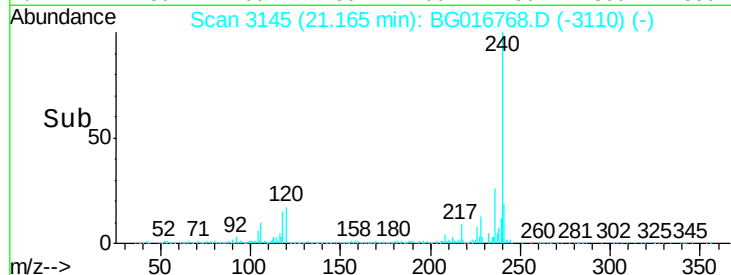
236 26.2 21.1 31.7



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: 27.46 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

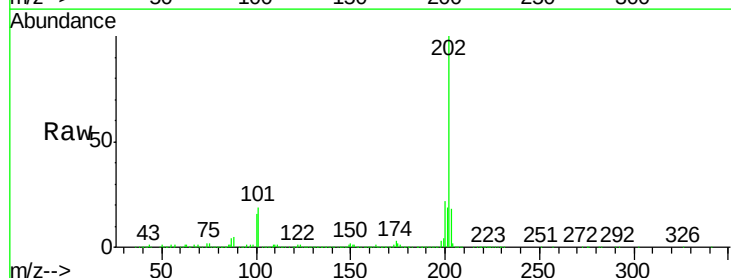
Tgt Ion:202 Resp: 494824

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

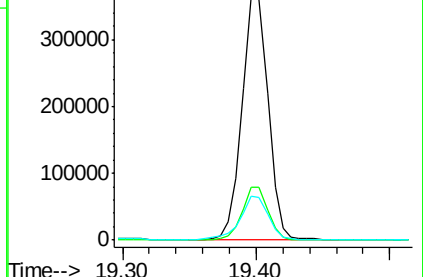
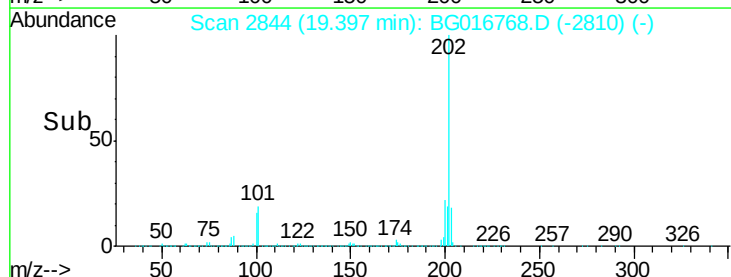
203 18.0 14.9 22.3

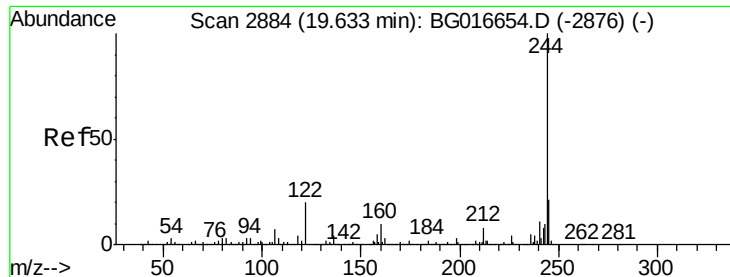


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 22.64 ng

RT: 19.61 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

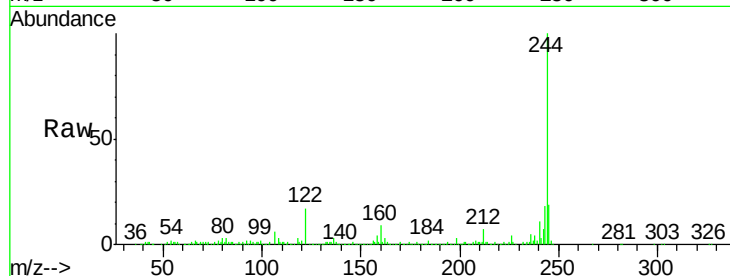
Tot Ion:244 Resp: 252050

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

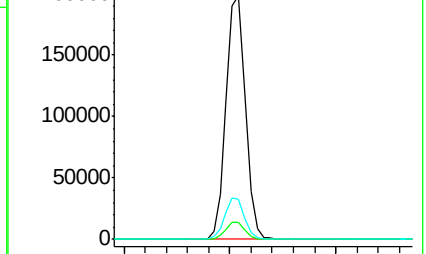
122 16.5 15.9 23.9



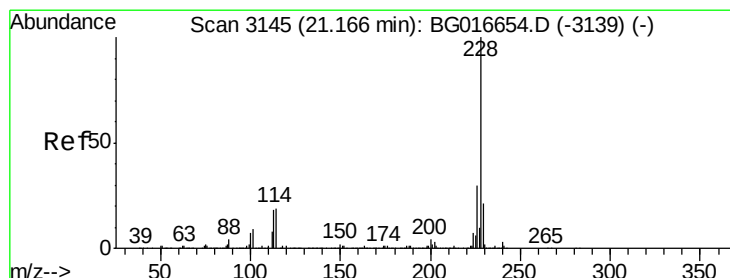
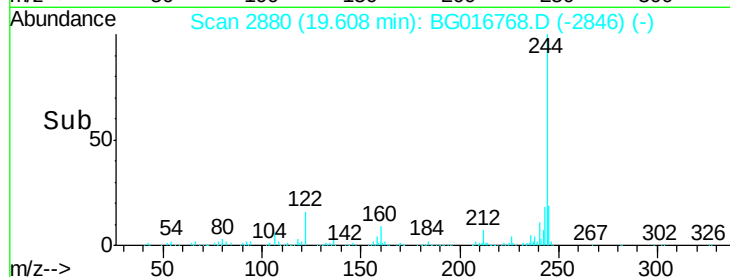
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.50 19.60 19.70



#80

Benzo(a)anthracene

Concen: 16.99 ng

RT: 21.15 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

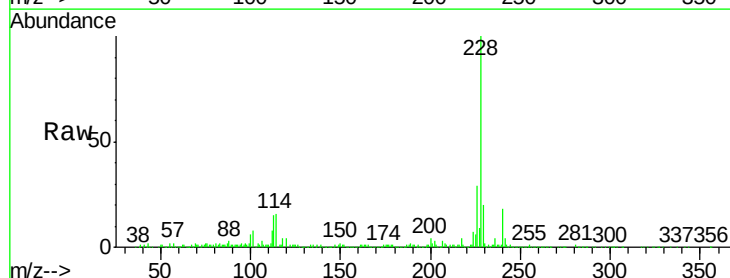
Tgt Ion:228 Resp: 264323

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

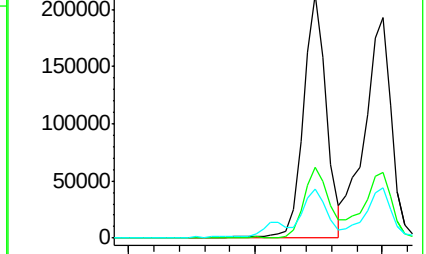
229 19.9 17.0 25.4



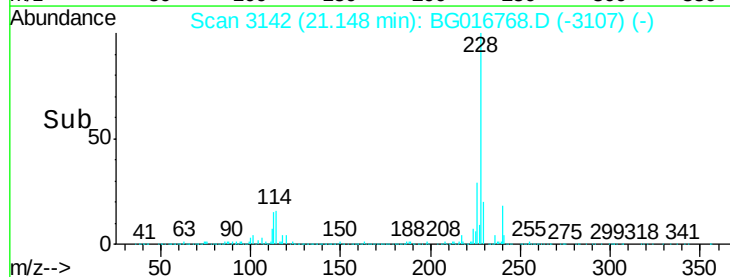
Abundance Ion 228.00 (227.70 to 228.70): E

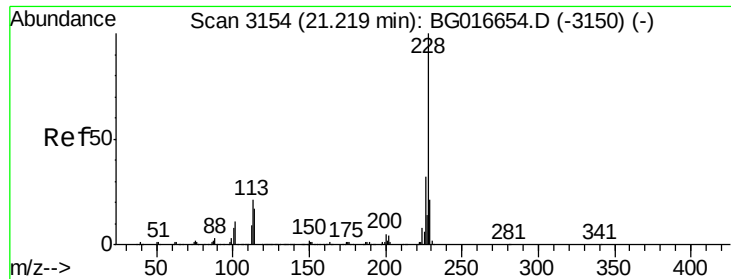
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.00 21.10 21.20





#82

Chrysene

Concen: 19.06 ng/mL

RT: 21.20 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

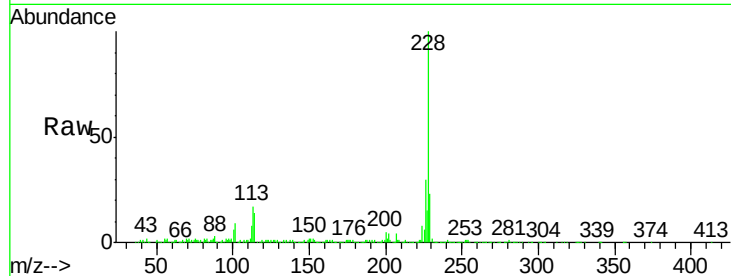
Tot Ion:228 Resp: 284177

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

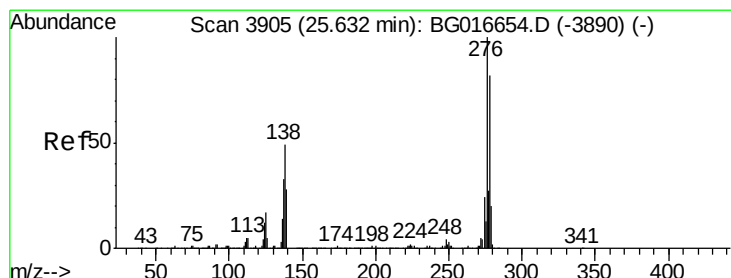
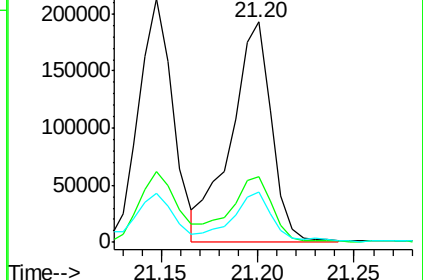
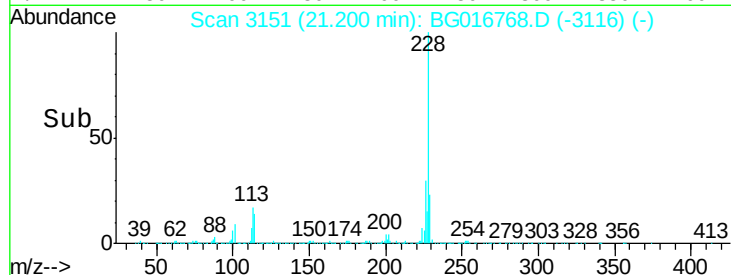
229 23.0 16.5 24.7



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: 10.92 ng/mL

RT: 25.59 min Scan# 3898

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

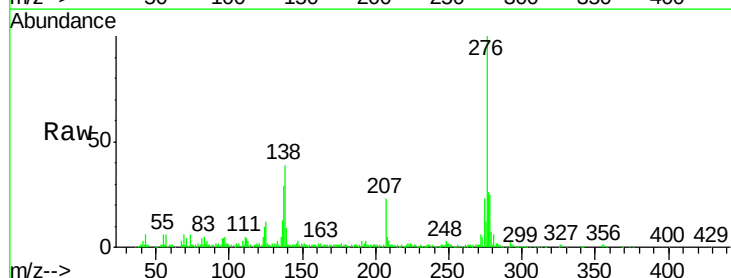
Tgt Ion:276 Resp: 177545

Ion Ratio Lower Upper

276 100

138 38.4 38.2 57.2

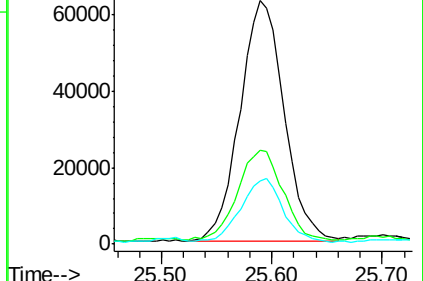
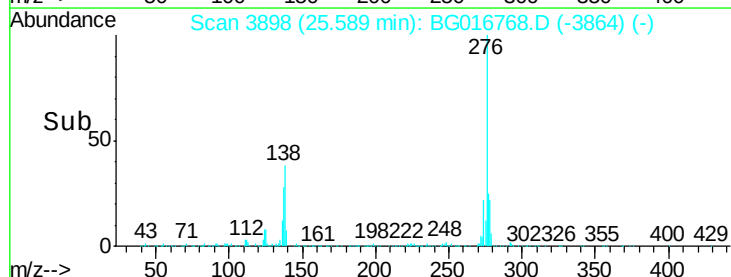
277 24.9 21.4 32.2

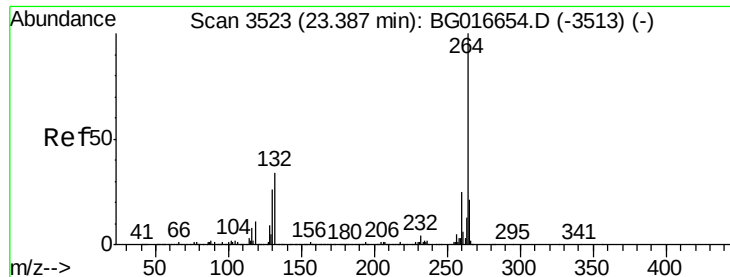


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



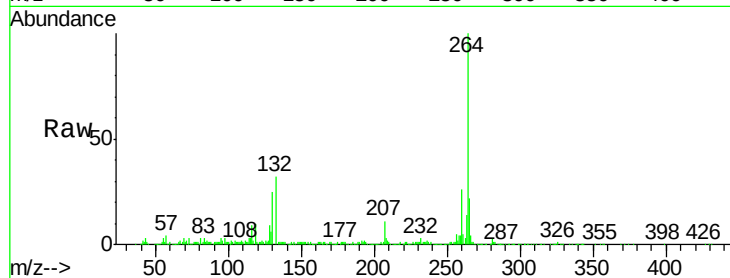


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3519
Delta R.T. 0.01 min
Lab File: BG016768.D
Acq: 28 Apr 2015 17:15

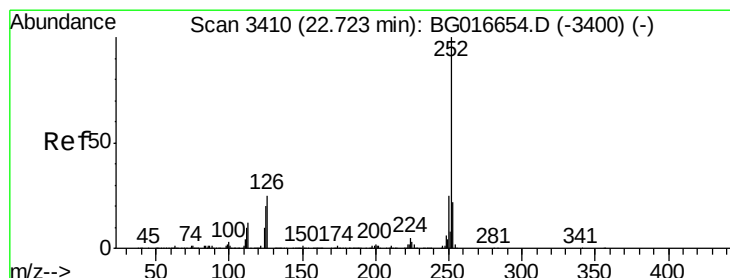
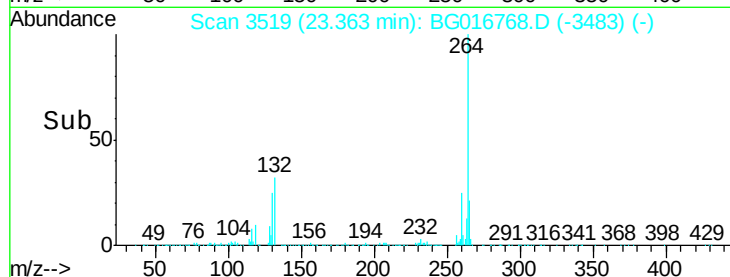
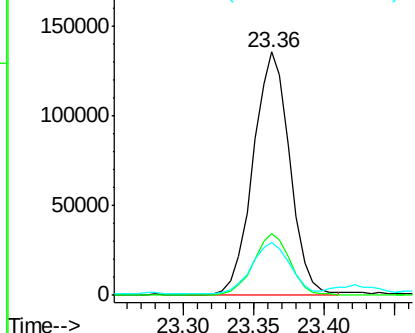
Instrument :
BNA_G
ClientSampleId :
SB-09-0-2.0

Tot Ion:264 Resp: 244723

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	21.8	16.8	25.2



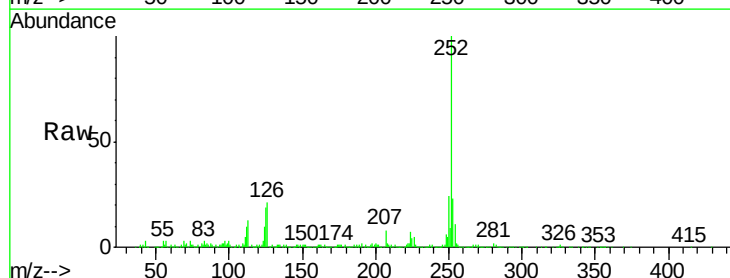
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



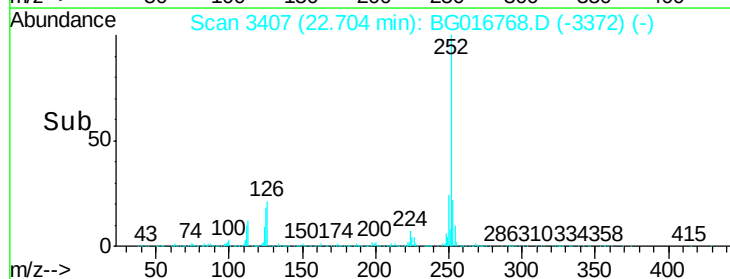
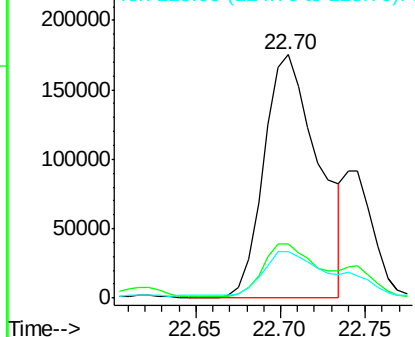
#87
Benzo(b)fluoranthene
Concen: 26.28 ng
RT: 22.70 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BG016768.D
Acq: 28 Apr 2015 17:15

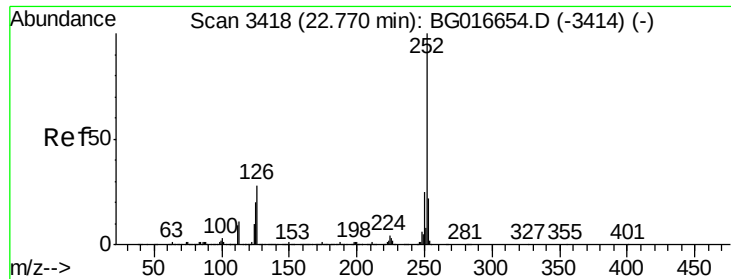
Tgt Ion:252 Resp: 390660

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	19.0	15.8	23.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.61 ng m

RT: 22.74 min Scan# 3413

Delta R.T. -0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

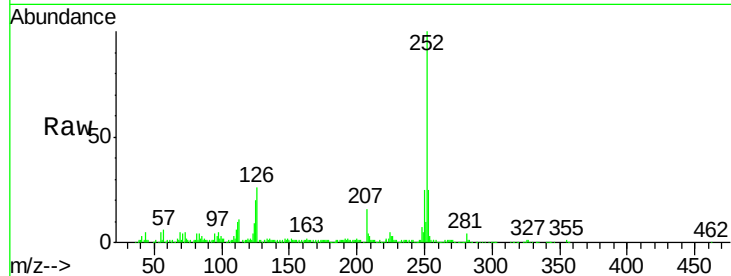
Tot Ion:252 Resp: 110403

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

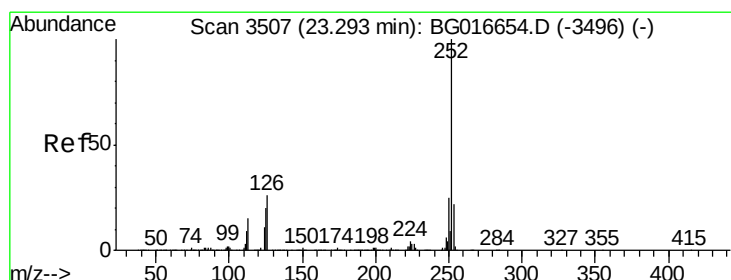
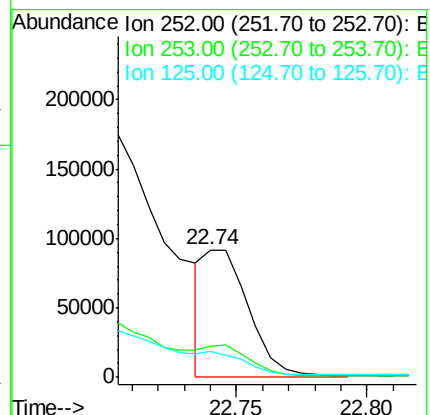
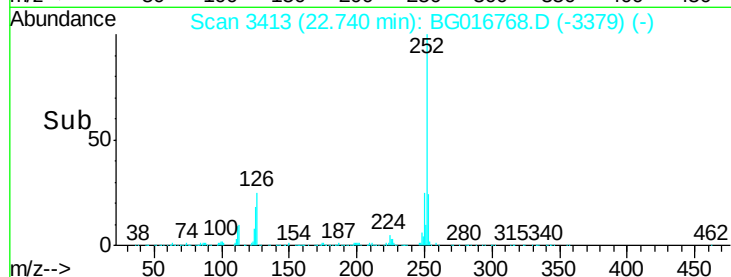
125 20.2 15.5 23.3



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: 17.46 ng

RT: 23.27 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

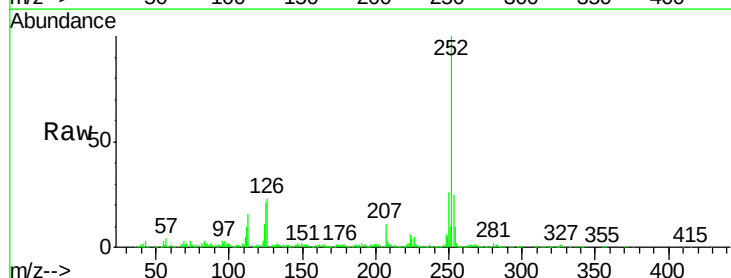
Tgt Ion:252 Resp: 244623

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

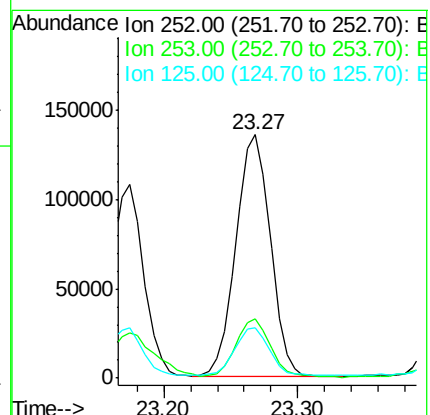
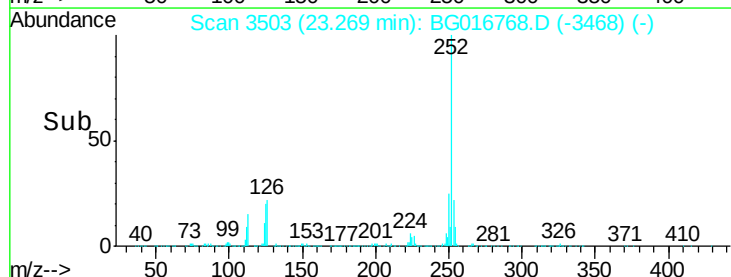
125 20.5 16.3 24.5

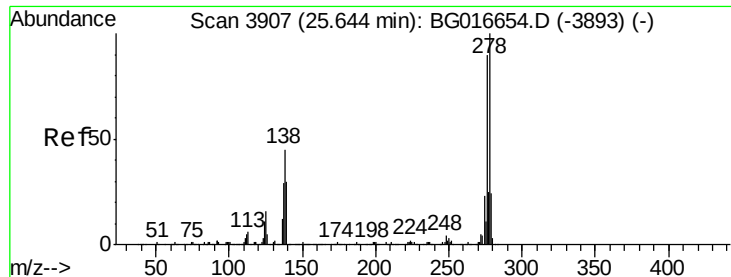


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.63 ng

RT: 25.59 min Scan# 3898

Delta R.T. -0.01 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

Instrument :

BNA_G

ClientSampleId :

SB-09-0-2.0

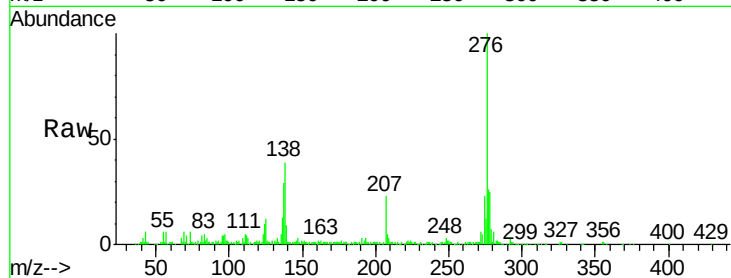
Tot Ion:278 Resp: 49481

Ion Ratio Lower Upper

278 100

139 34.0 24.2 36.2

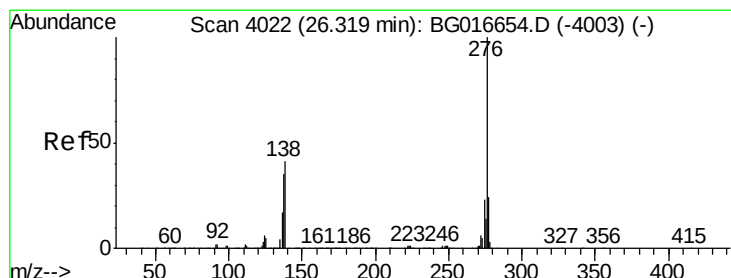
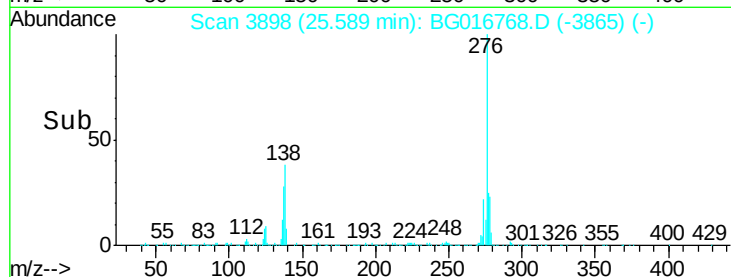
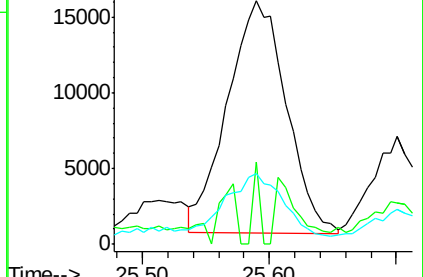
279 28.9 18.9 28.3#



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: 12.17 ng

RT: 26.28 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BG016768.D

Acq: 28 Apr 2015 17:15

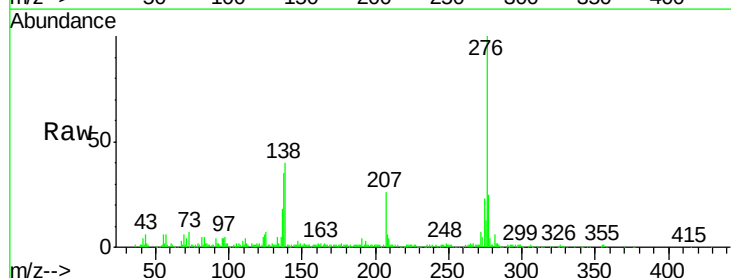
Tgt Ion:276 Resp: 168687

Ion Ratio Lower Upper

276 100

277 24.9 19.3 28.9

138 40.0 32.8 49.2



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

