

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
 Data File : BG016781.D
 Acq On : 29 Apr 2015 00:49
 Operator : TP/IZ
 Sample : G2021-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

Quant Time: Apr 29 04:56:52 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

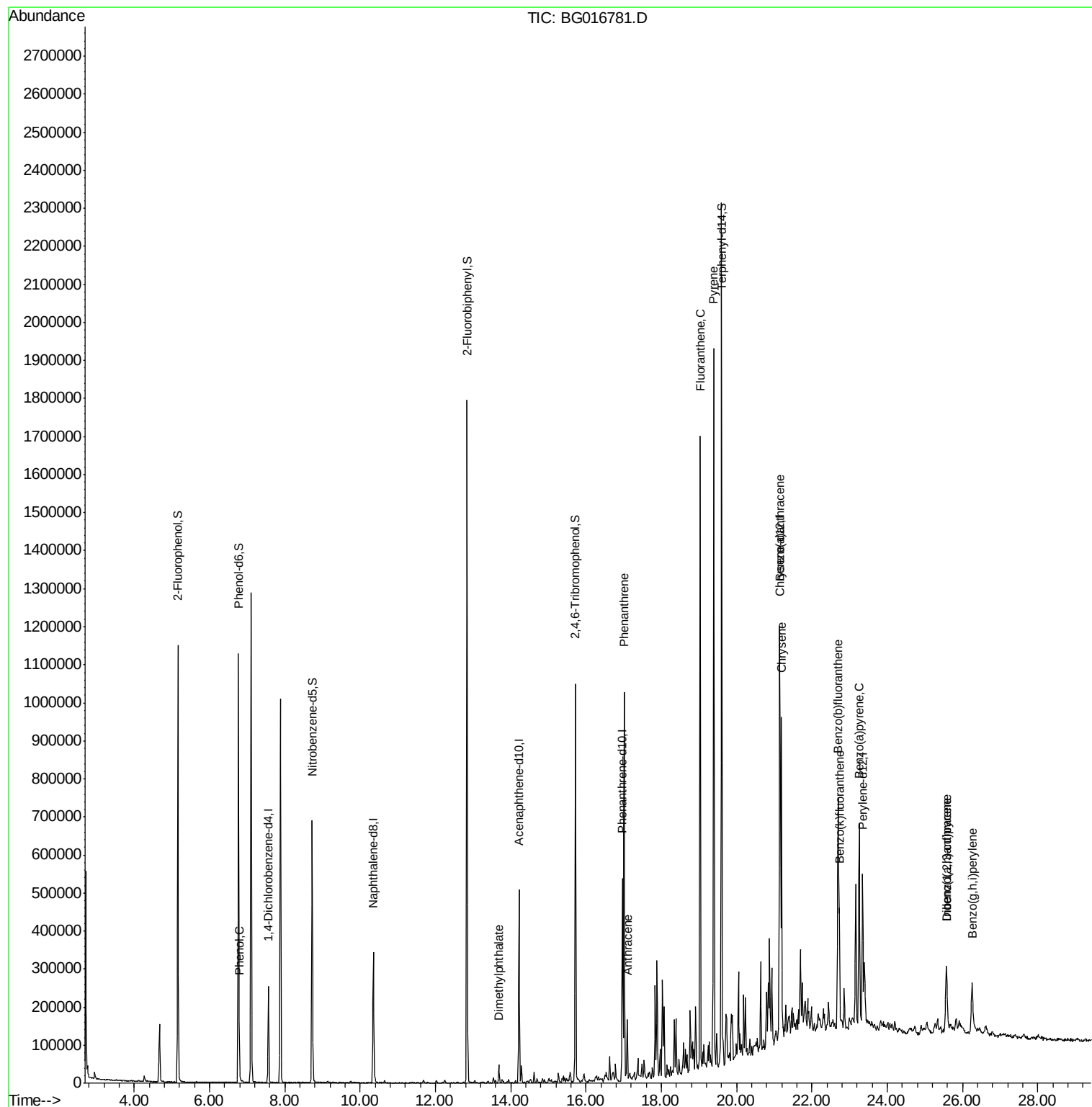
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	72904	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	306804	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	165143	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	294508	20.00	ng	0.00
75) Chrysene-d12	21.16	240	248359	20.00	ng	0.00
86) Perylene-d12	23.35	264	245319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	576464	128.31	ng	0.00
7) Phenol-d6	6.77	99	781741	124.03	ng	0.00
23) Nitrobenzene-d5	8.73	82	409149	84.27	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	148409	121.14	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	931061	90.58	ng	0.00
78) Terphenyl-d14	19.60	244	833540	77.31	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.80	94	27807	4.19	ng	96
49) Dimethylphthalate	13.68	163	32479	2.63	ng	# 97
70) Phenanthrene	17.01	178	600065	35.47	ng	99
71) Anthracene	17.10	178	90975	5.41	ng	95
74) Fluoranthene	19.03	202	851021	47.47	ng	97
77) Pyrene	19.40	202	966514	55.39	ng	98
80) Benzo(a)anthracene	21.14	228	436255	28.97	ng	99
82) Chrysene	21.20	228	414844m	28.73	ng	
85) Indeno(1,2,3-cd)pyrene	25.57	276	160612	10.21	ng	# 86
87) Benzo(b)fluoranthene	22.70	252	438900m	29.45	ng	
88) Benzo(k)fluoranthene	22.73	252	139559m	9.60	ng	
89) Benzo(a)pyrene	23.26	252	333298	23.74	ng	98
90) Dibenzo(a,h)anthracene	25.58	278	31777m	2.33	ng	
91) Benzo(a,h,i)perylene	26.26	276	153741	11.07	ng	98

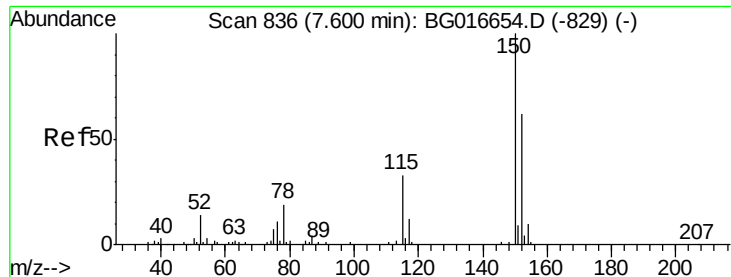
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

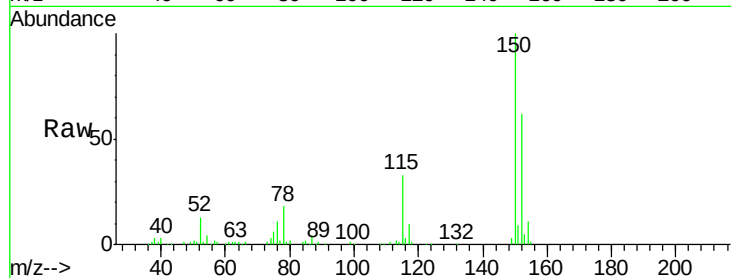
Tot Ion:152 Resp: 72904

Ion Ratio Lower Upper

152 100

150 162.3 129.6 194.4

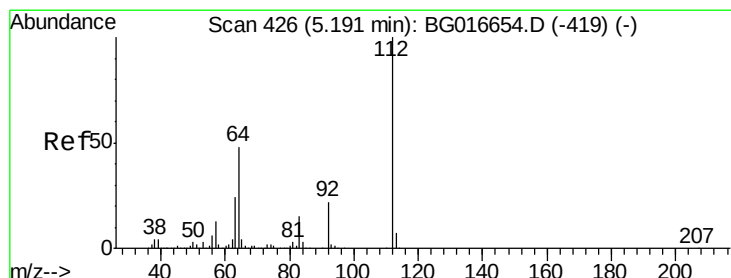
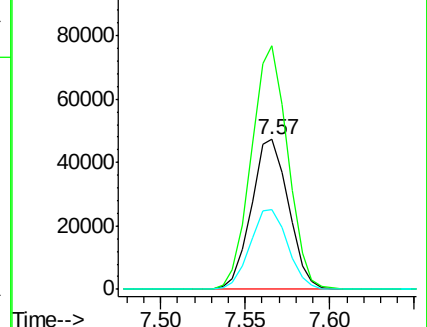
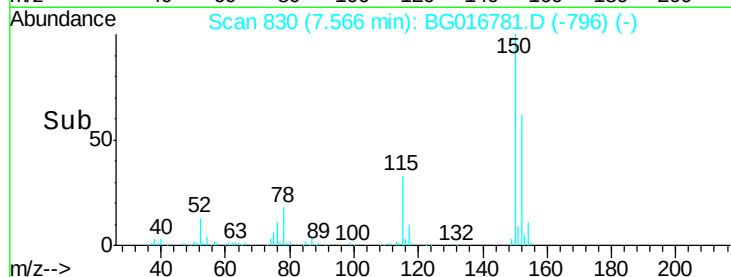
115 53.2 43.0 64.6



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: 128.31 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

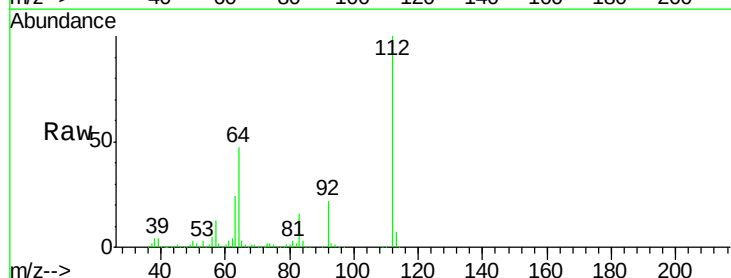
Tgt Ion:112 Resp: 576464

Ion Ratio Lower Upper

112 100

64 46.8 38.3 57.5

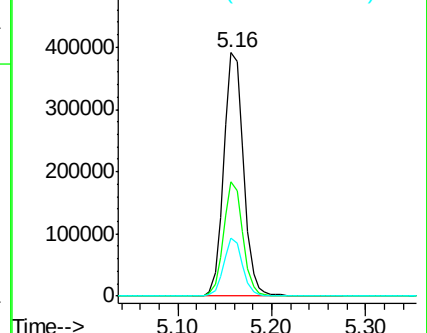
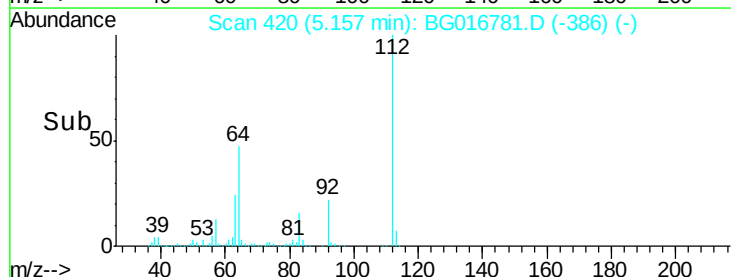
63 23.9 18.9 28.3

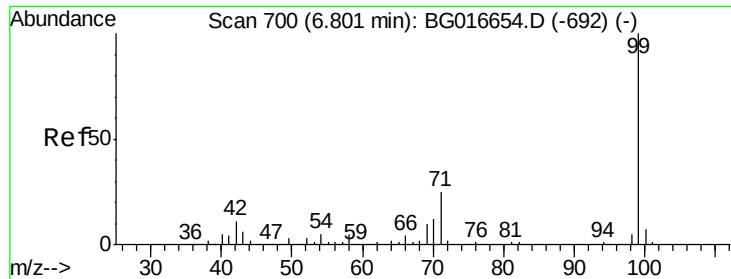


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 124.03 ng

RT: 6.77 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

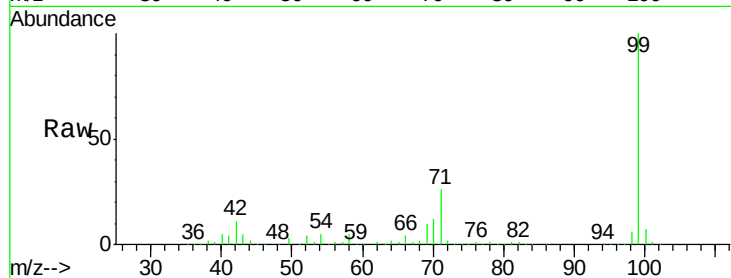
Tot Ion: 99 Resp: 781741

Ion Ratio Lower Upper

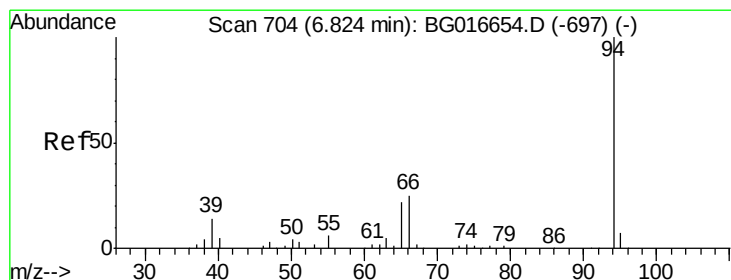
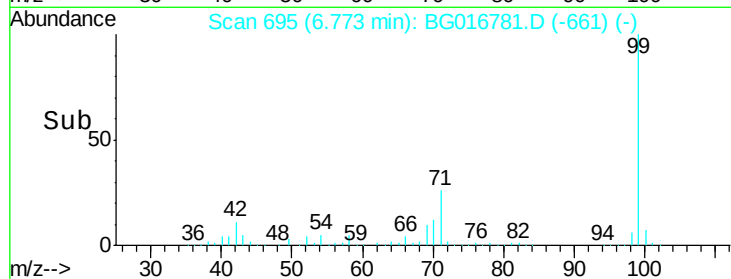
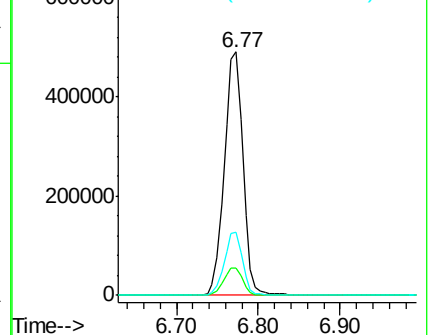
99 100

42 11.0 8.8 13.2

71 25.8 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



#10

Phenol

Concen: 4.19 ng

RT: 6.80 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

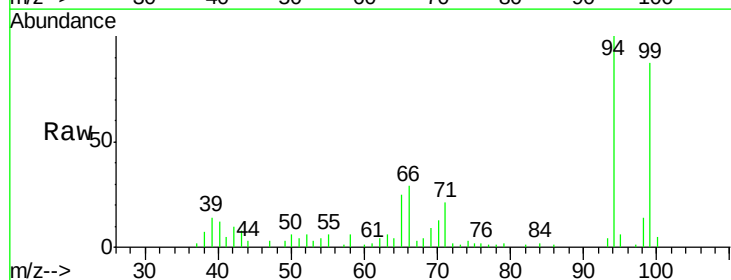
Tgt Ion: 94 Resp: 27807

Ion Ratio Lower Upper

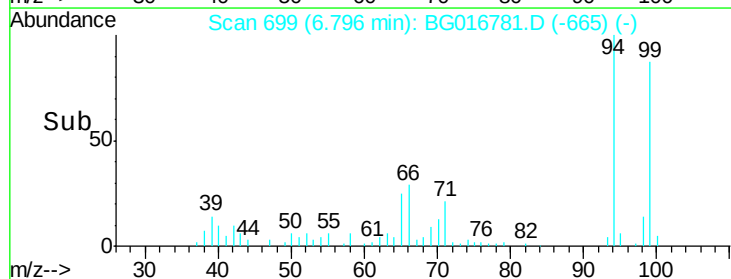
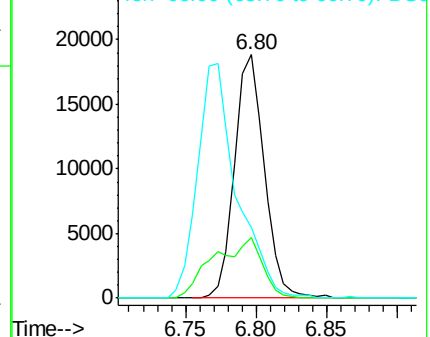
94 100

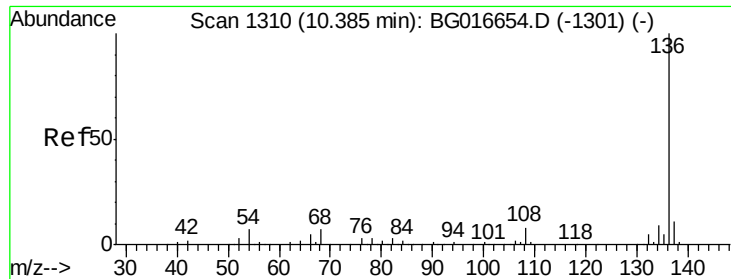
65 24.9 2.6 42.6

66 29.1 7.0 47.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

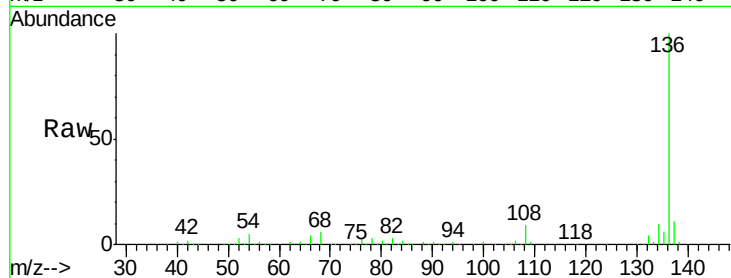




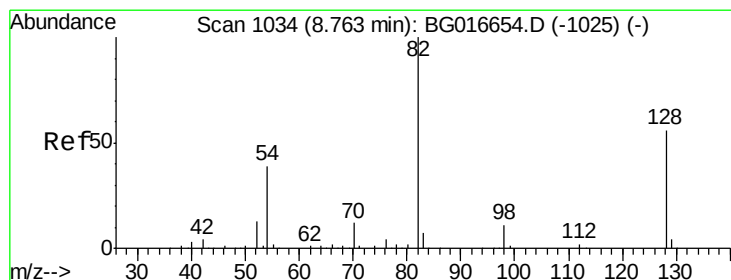
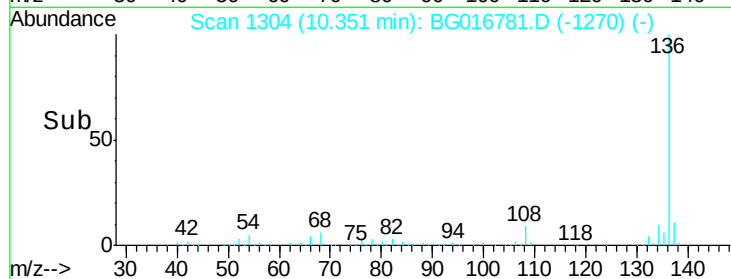
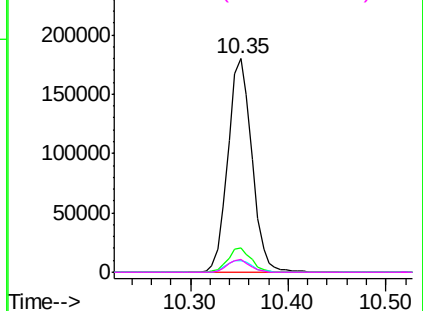
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.35 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

Tot Ion:136	Resp:	306804
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.5 12.7
54	5.3	5.4 8.2#
68	6.2	5.2 7.8

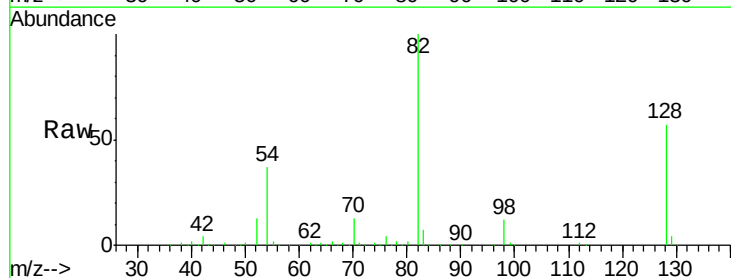


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

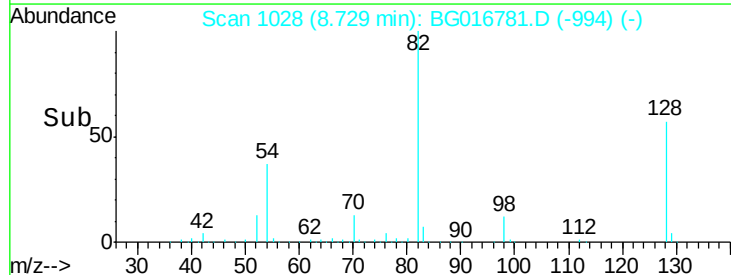
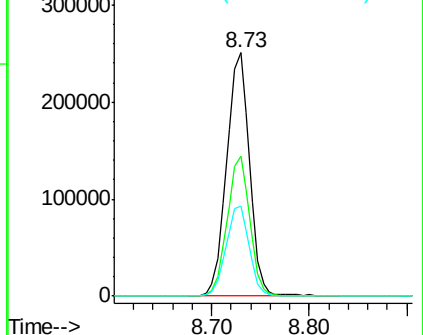


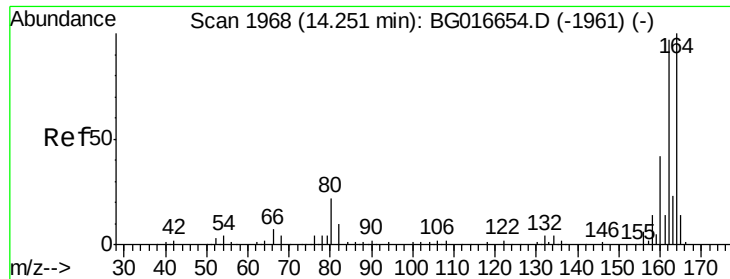
#23
Nitrobenzene-d5
Concen: 84.27 ng
RT: 8.73 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion: 82	Resp:	409149
Ion	Ratio	Lower Upper
82	100	
128	57.3	44.7 67.1
54	37.1	30.9 46.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.22 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

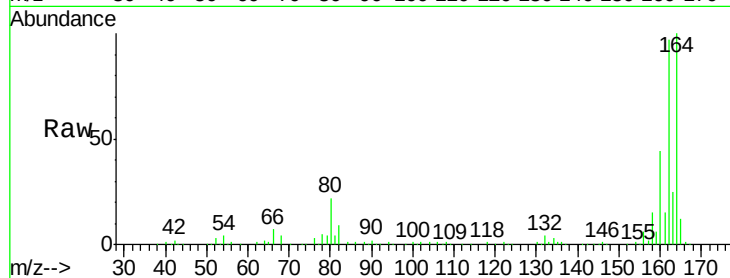
Tot Ion:164 Resp: 165143

Ion Ratio Lower Upper

164 100

162 97.1 77.3 115.9

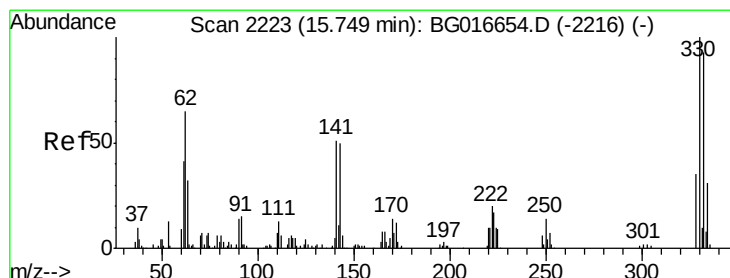
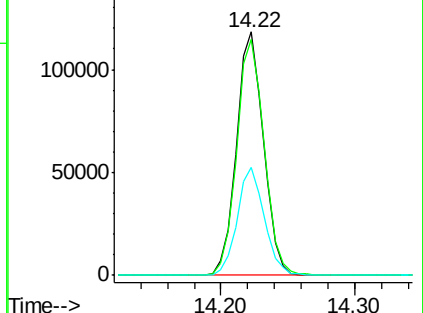
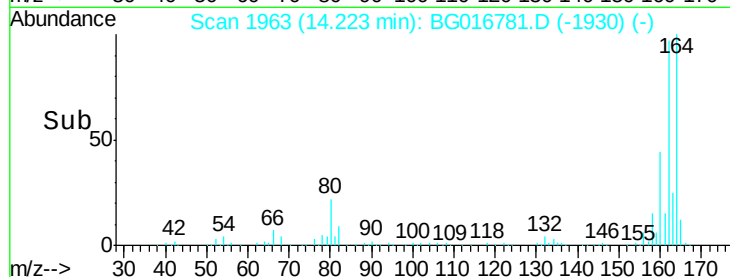
160 44.2 33.7 50.5



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: 121.14 ng

RT: 15.72 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

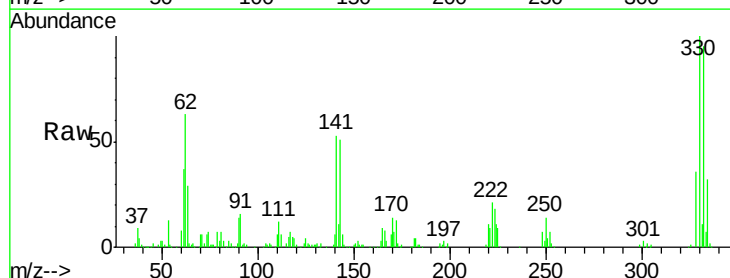
Tgt Ion:330 Resp: 148409

Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.4

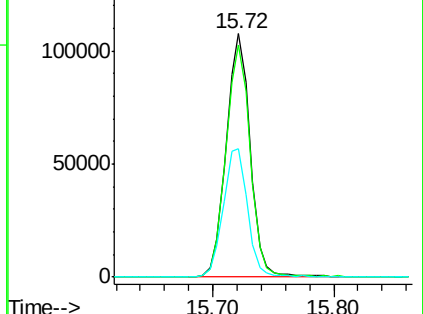
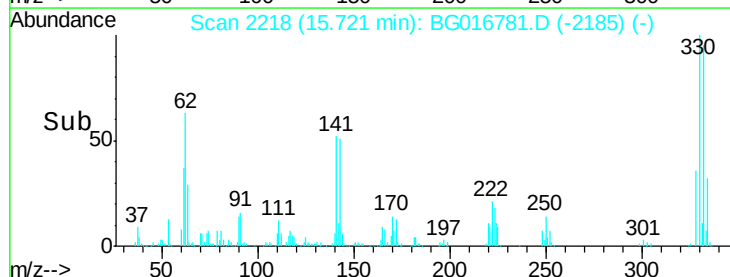
141 52.5 43.0 64.6

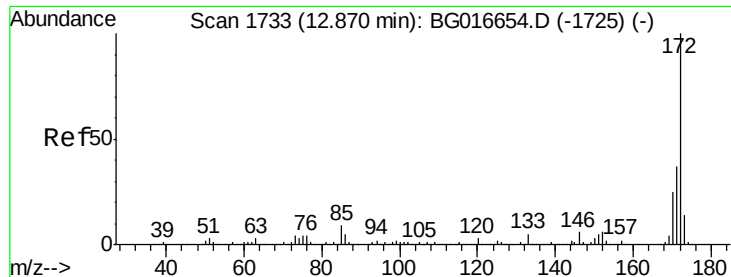


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

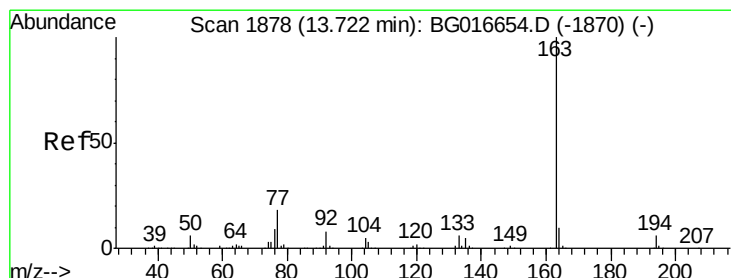
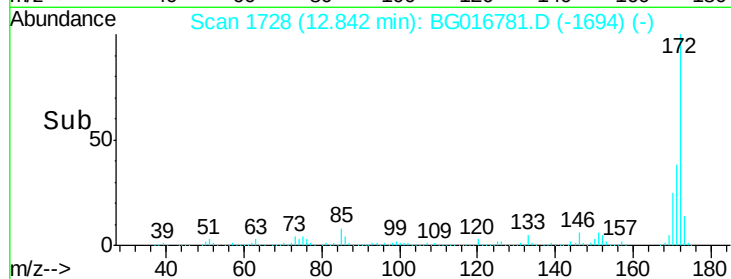
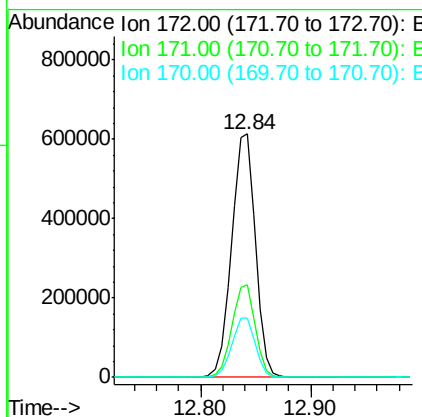
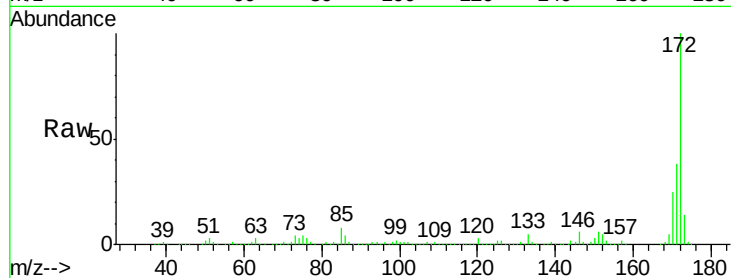




#44
2-Fluorobiphenyl
Concen: 90.58 ng
RT: 12.84 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

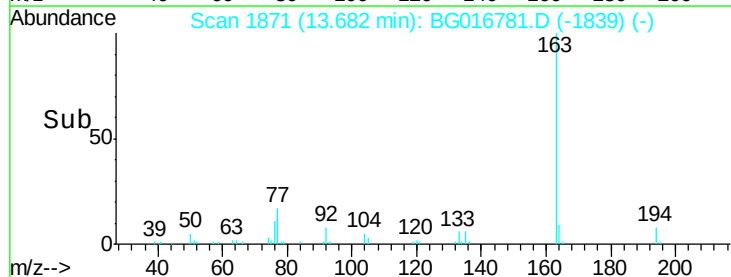
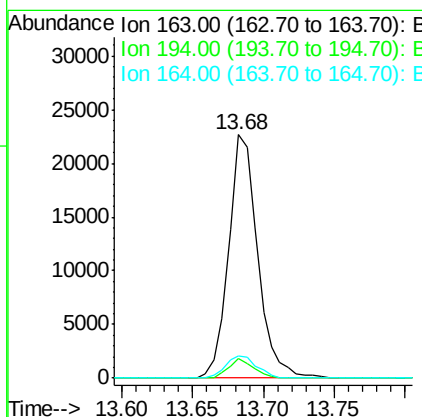
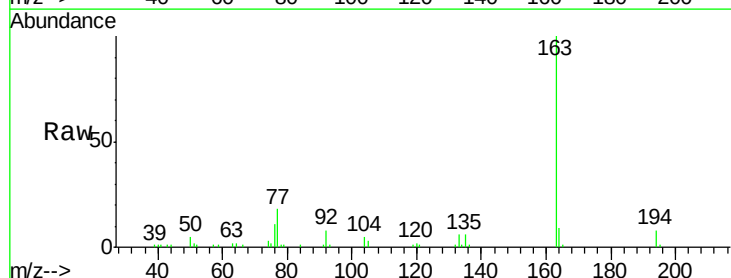
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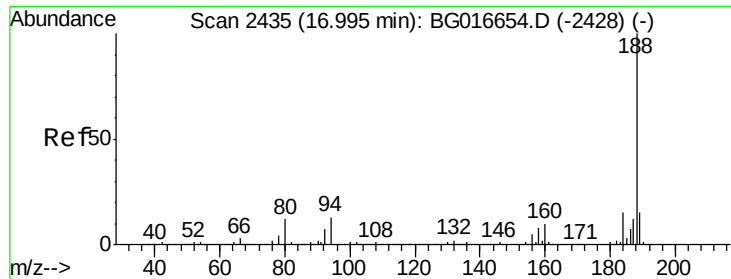
Tot Ion:172 Resp: 931061
Ion Ratio Lower Upper
172 100
171 37.9 29.9 44.9
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 2.63 ng
RT: 13.68 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion:163 Resp: 32479
Ion Ratio Lower Upper
163 100
194 8.0 5.0 7.4#
164 9.1 7.8 11.8

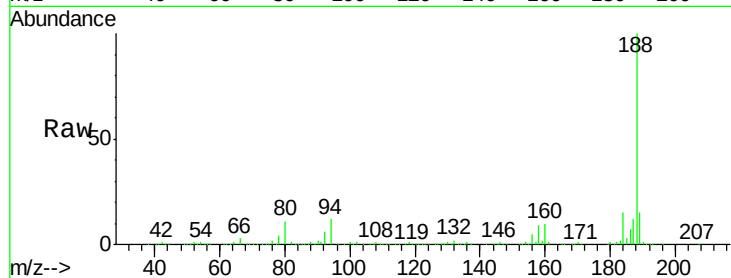




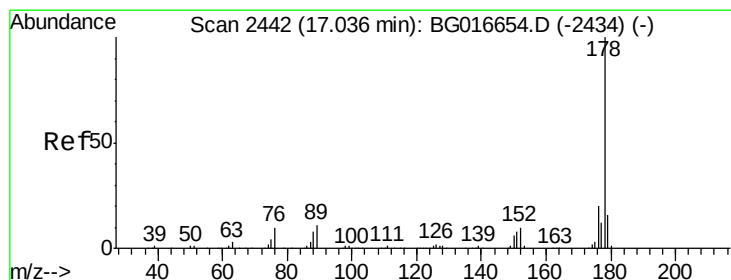
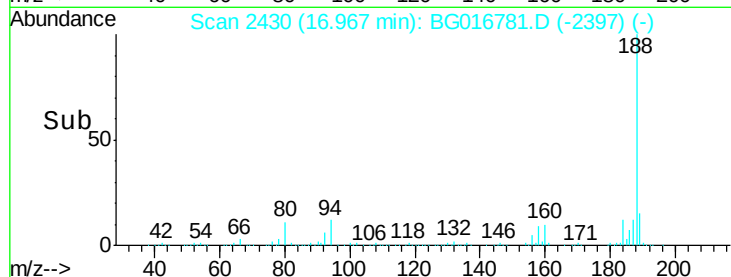
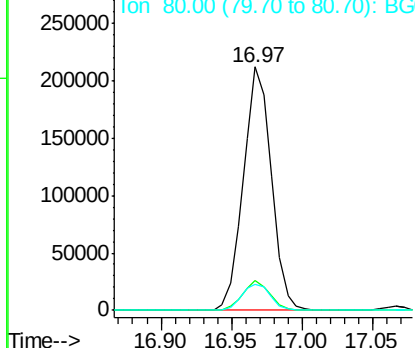
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

Tot Ion:188 Resp: 294508
Ion Ratio Lower Upper
188 100
94 12.2 10.7 16.1
80 10.9 9.9 14.9

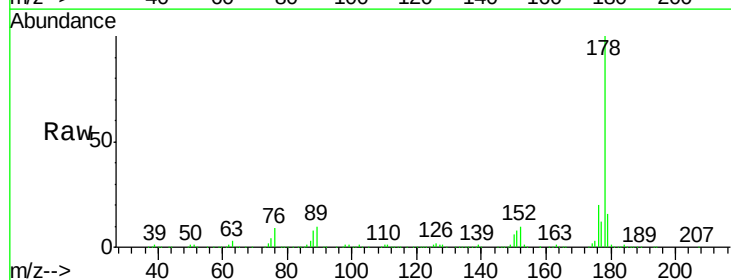


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

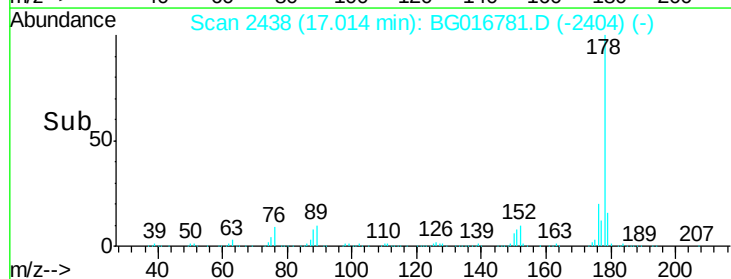
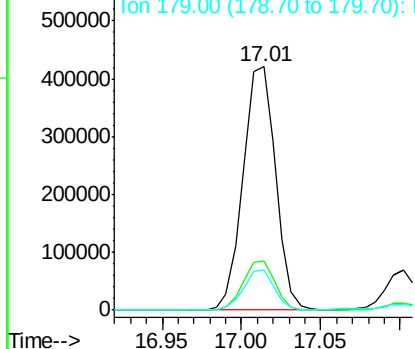


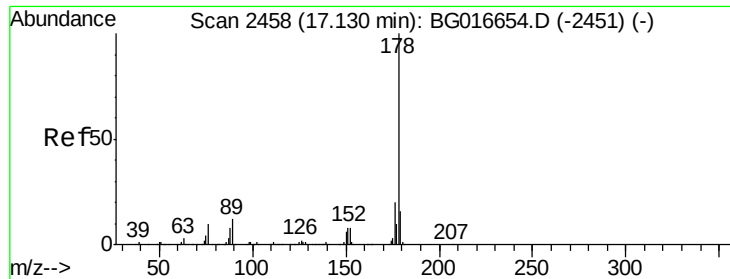
#70
Phenanthrene
Concen: 35.47 ng
RT: 17.01 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion:178 Resp: 600065
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 16.3 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

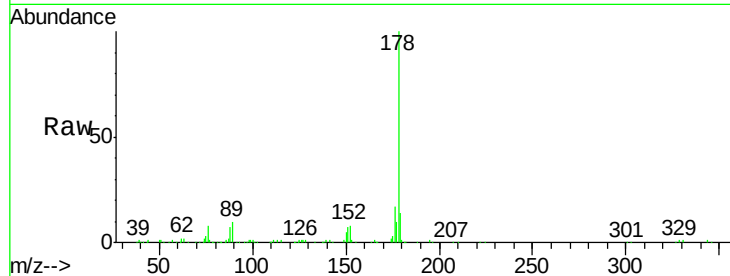




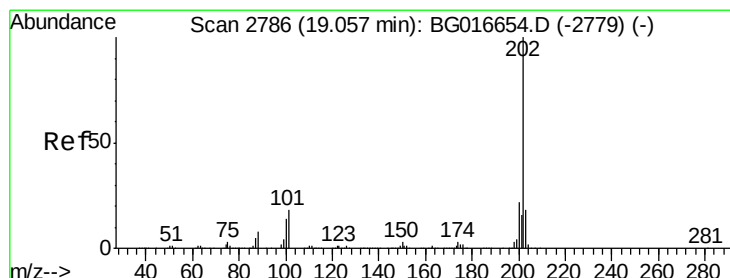
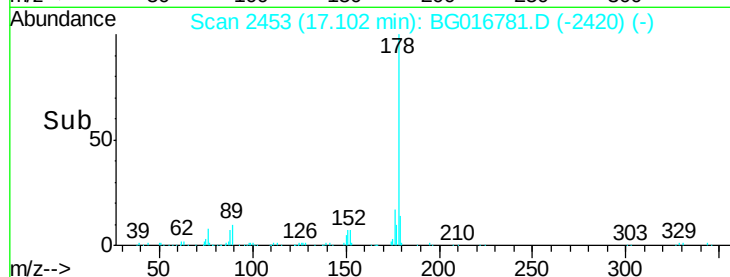
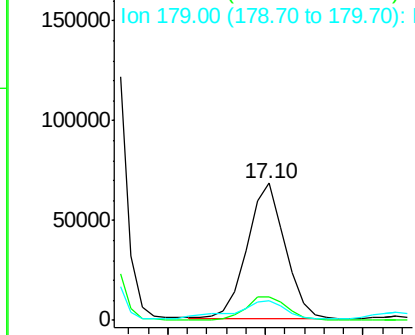
#71
 Anthracene
 Concen: 5.41 ng
 RT: 17.10 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BG016781.D
 Acq: 29 Apr 2015 00:49

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

Tot Ion:178 Resp: 90975
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.0 24.0
 179 14.1 12.9 19.3

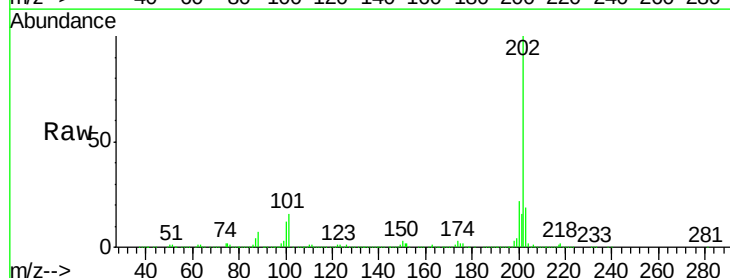


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

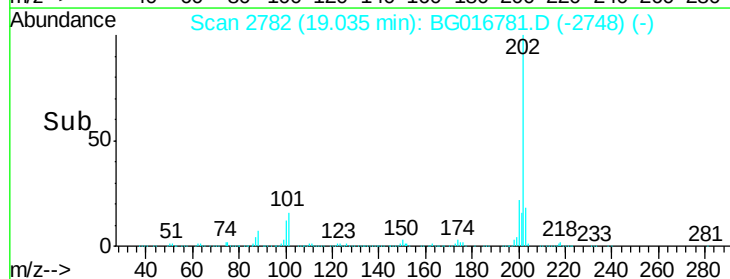
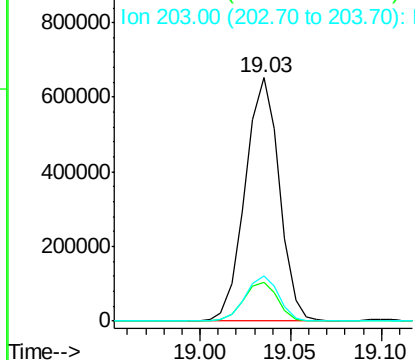


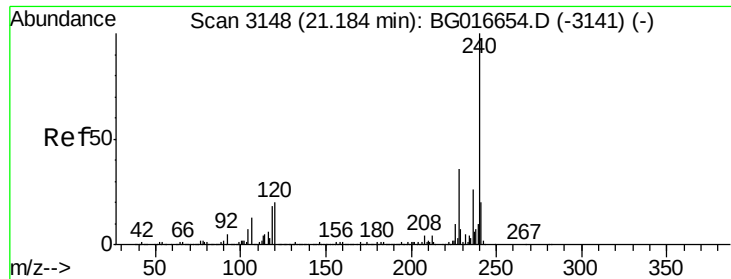
#74
 Fluoranthene
 Concen: 47.47 ng
 RT: 19.03 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG016781.D
 Acq: 29 Apr 2015 00:49

Tgt Ion:202 Resp: 851021
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 38.1
 203 18.8 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: 21.16 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

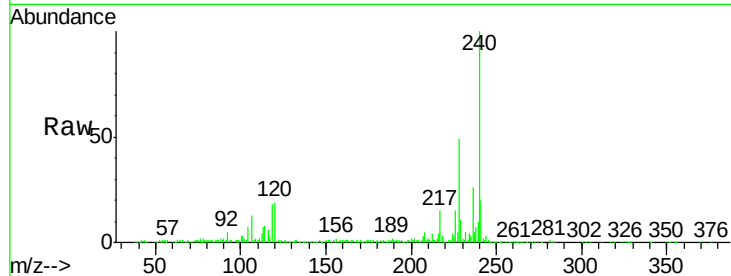
Tot Ion:240 Resp: 248359

Ion Ratio Lower Upper

240 100

120 19.4 16.3 24.5

236 25.6 21.1 31.7

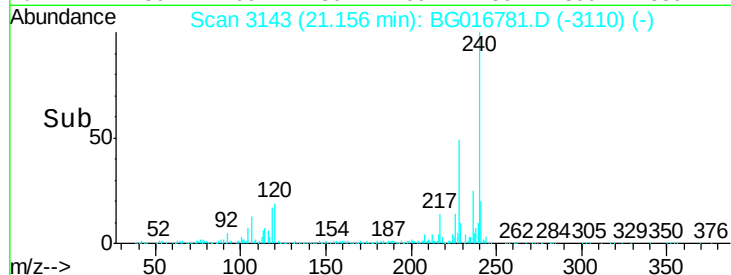


Abundance Ion 240.00 (239.70 to 240.70): E

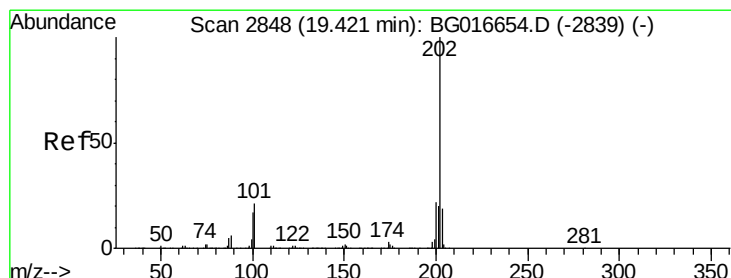
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.16



Time-->



#77

Pyrene

Concen: 55.39 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

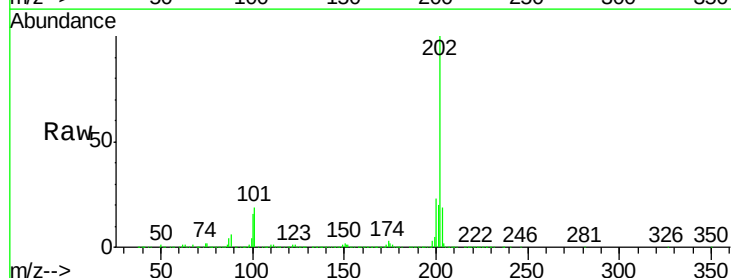
Tgt Ion:202 Resp: 966514

Ion Ratio Lower Upper

202 100

200 23.4 18.0 27.0

203 19.3 14.9 22.3

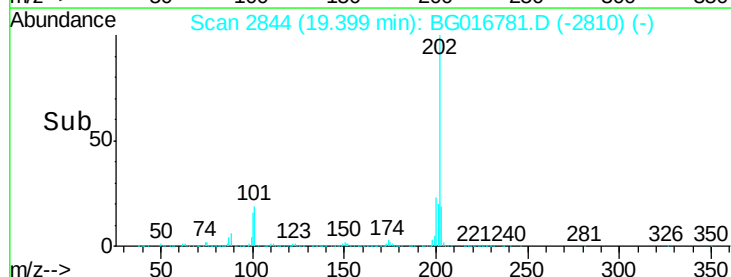


Abundance Ion 202.00 (201.70 to 202.70): E

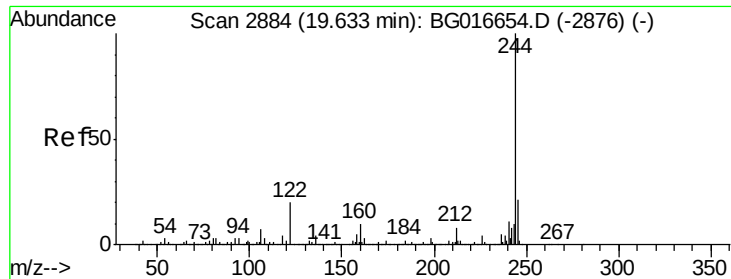
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.40



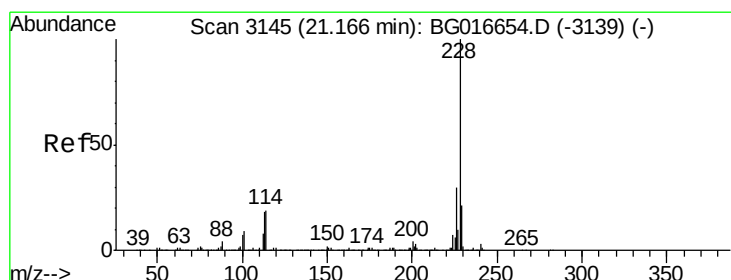
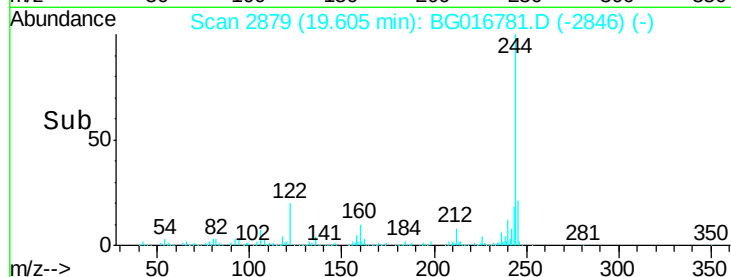
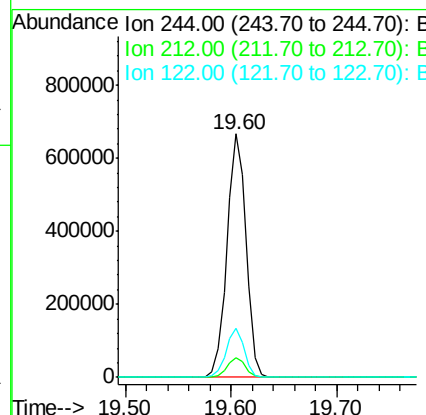
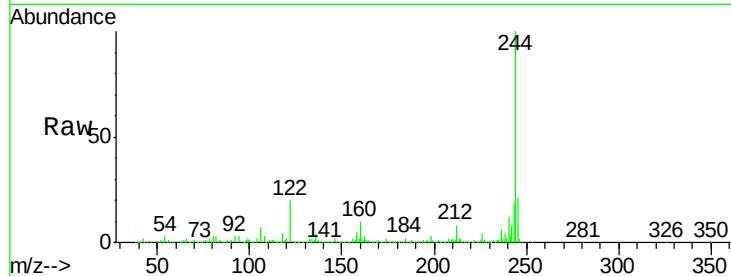
Time-->



#78
 Terphenyl-d14
 Concen: 77.31 ng
 RT: 19.60 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG016781.D
 Acq: 29 Apr 2015 00:49

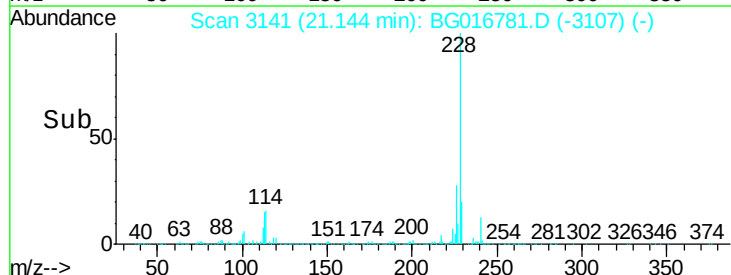
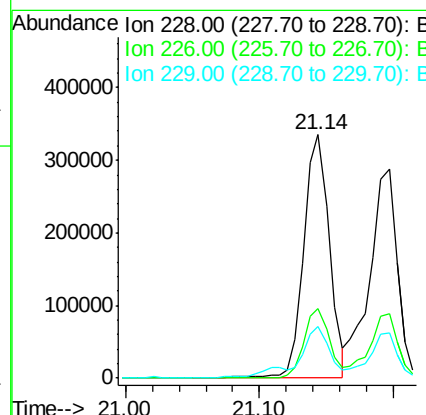
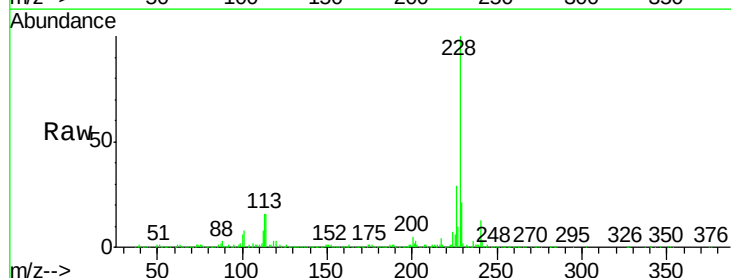
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

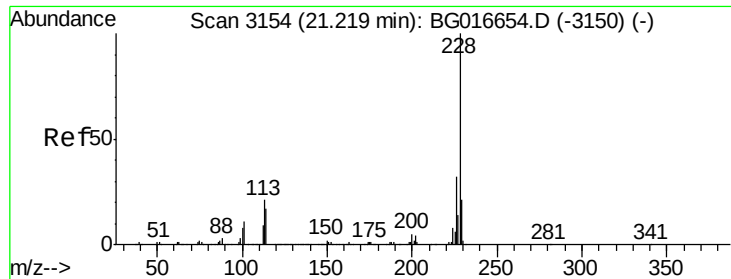
Tot Ion:244 Resp: 833540
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.4 9.6
 122 20.3 15.9 23.9



#80
 Benzo(a)anthracene
 Concen: 28.97 ng
 RT: 21.14 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: BG016781.D
 Acq: 29 Apr 2015 00:49

Tgt Ion:228 Resp: 436255
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.8 35.6
 229 21.1 17.0 25.4





#82

Chrysene

Concen: 28.73 ng/mL

RT: 21.20 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

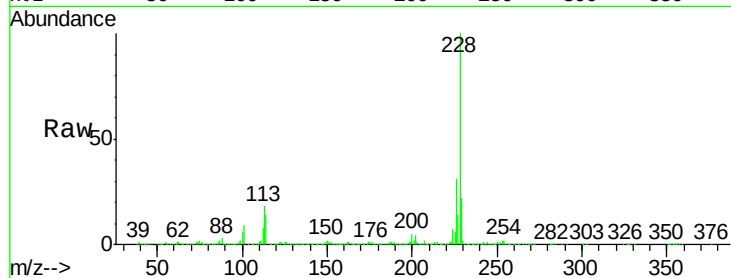
Tot Ion:228 Resp: 414844

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

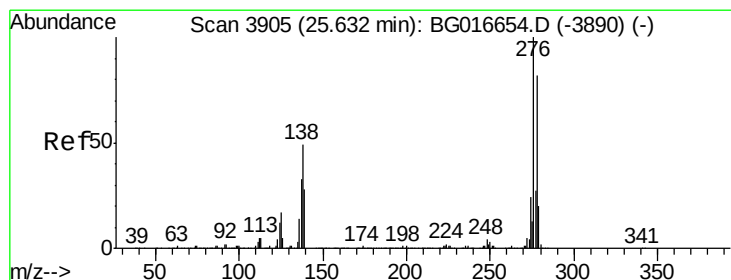
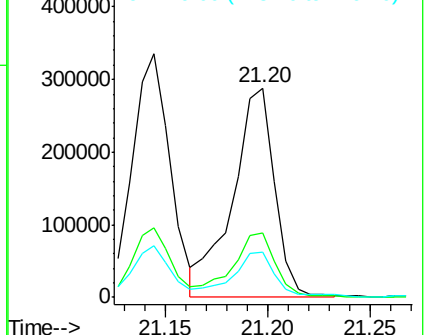
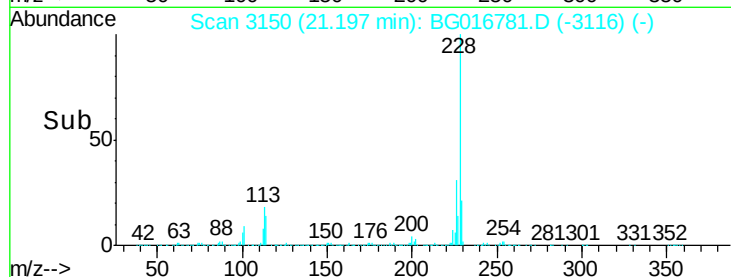
229 21.7 16.5 24.7



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: 10.21 ng/mL

RT: 25.57 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BG016781.D

Acq: 29 Apr 2015 00:49

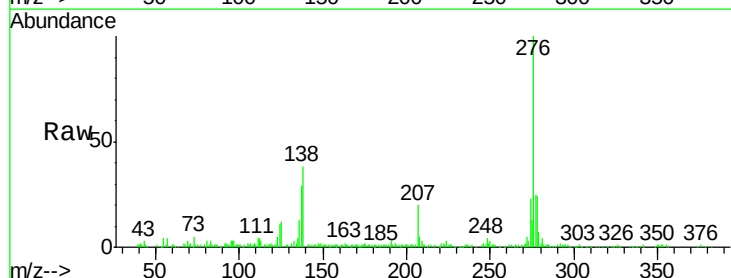
Tgt Ion:276 Resp: 160612

Ion Ratio Lower Upper

276 100

138 36.5 38.2 57.2#

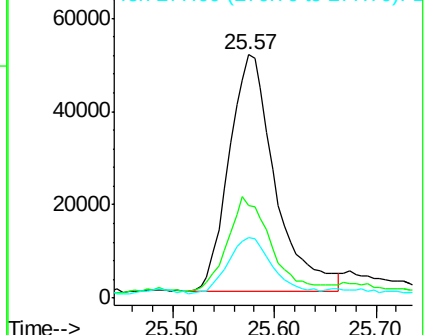
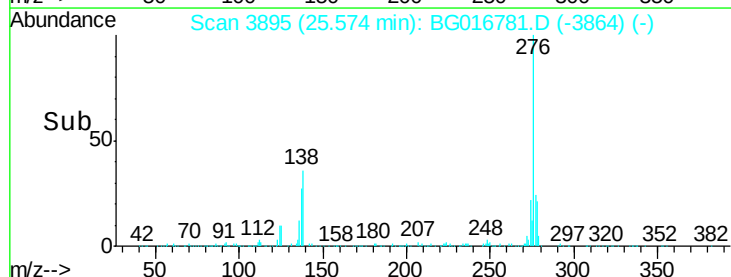
277 22.5 21.4 32.2

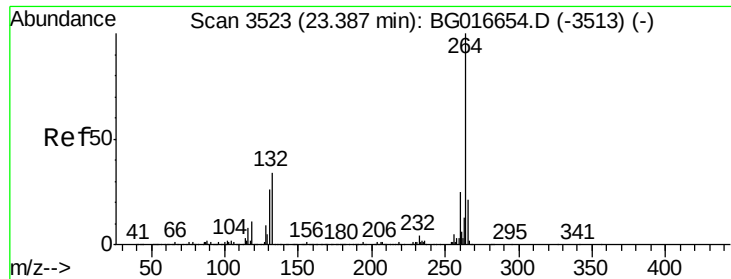


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



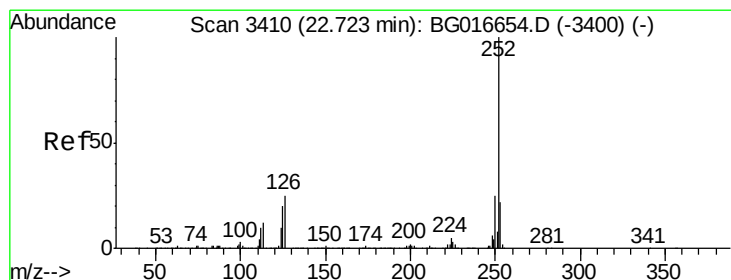
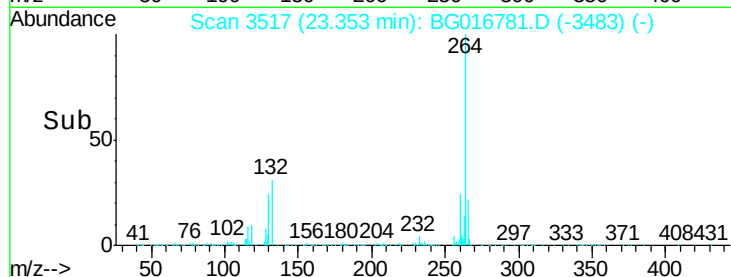
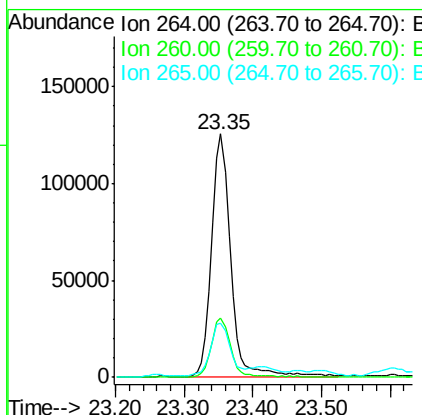
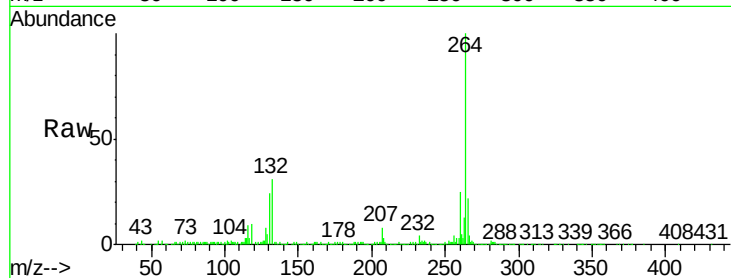


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

Tot Ion:264 Resp: 245319

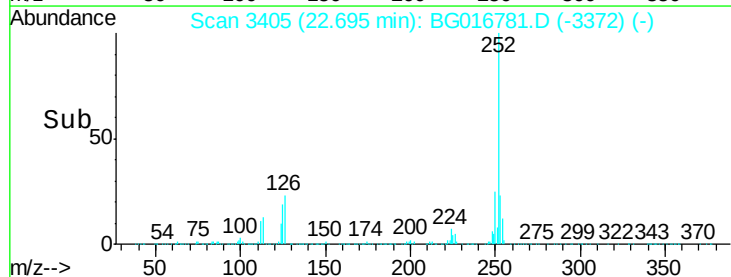
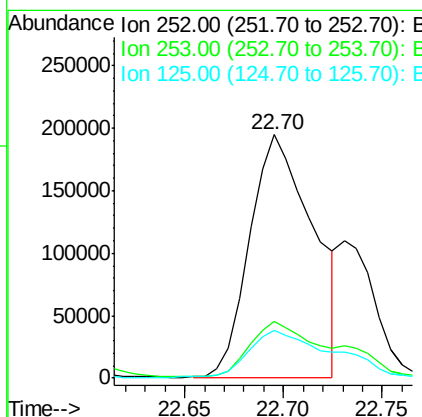
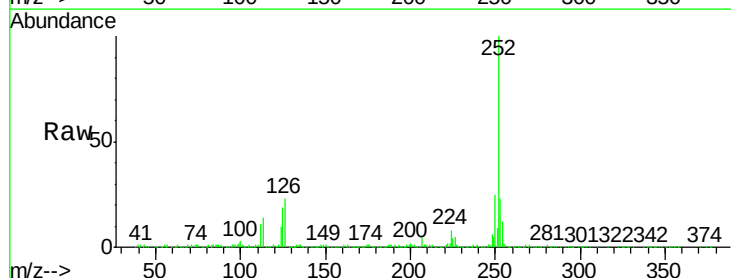
Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.1	16.8	25.2

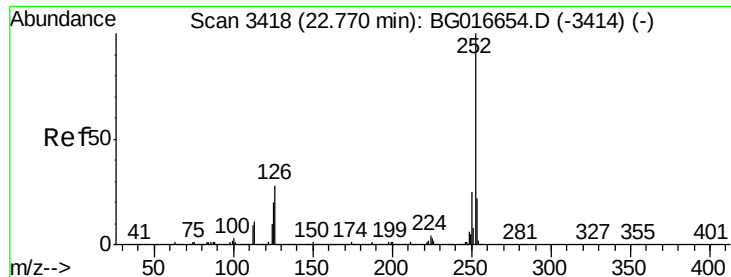


#87
Benzo(b)fluoranthene
Concen: 29.45 ng m
RT: 22.70 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion:252 Resp: 438900

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	19.4	15.8	23.8

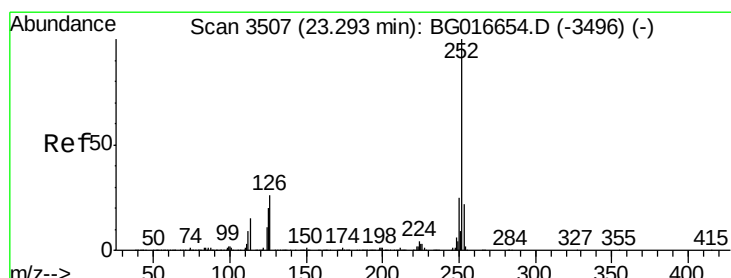
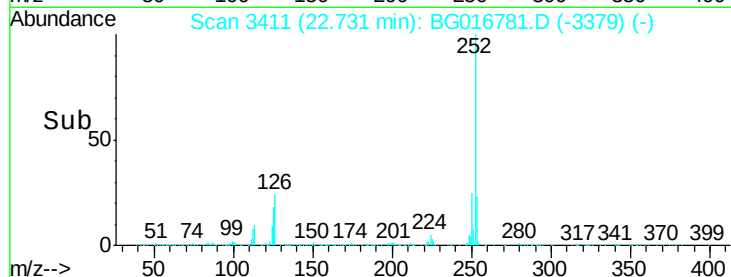
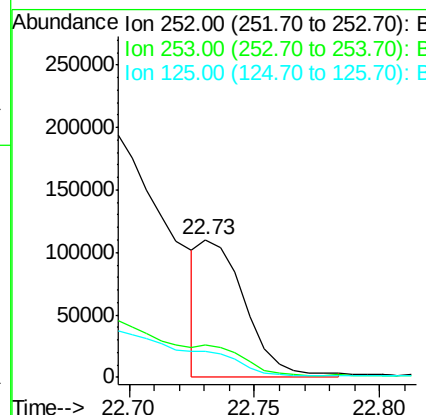
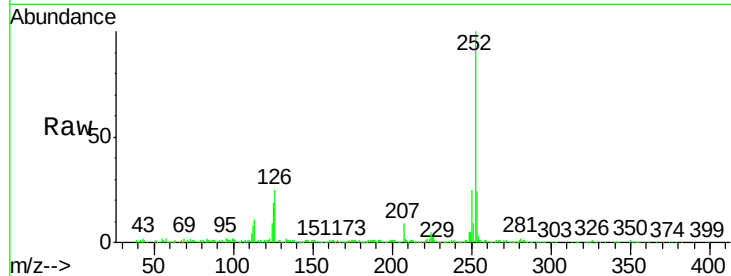




#88
Benzo(k)fluoranthene
Concen: 9.60 ng m
RT: 22.73 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

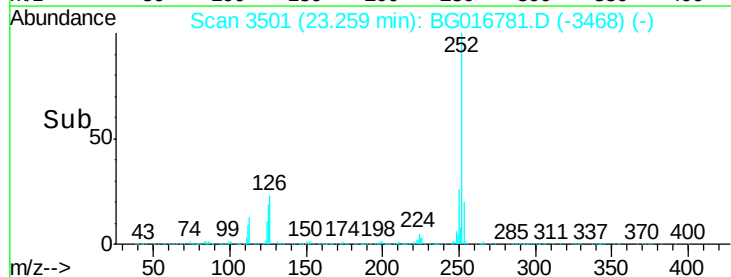
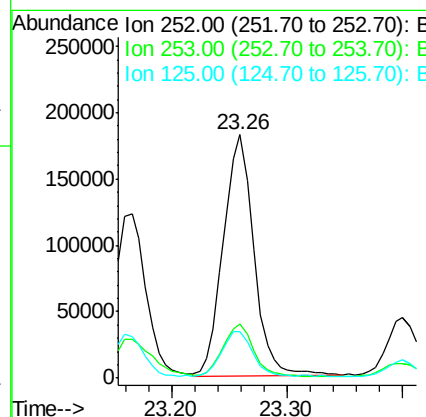
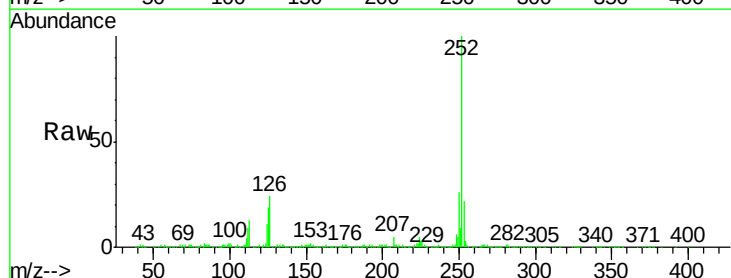
Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

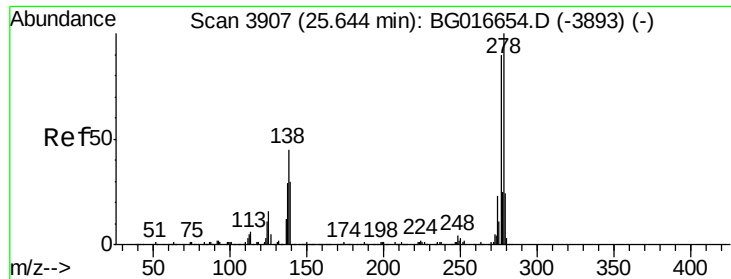
Tot Ion:252 Resp: 139559
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 19.1 15.5 23.3



#89
Benzo(a)pyrene
Concen: 23.74 ng
RT: 23.26 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion:252 Resp: 333298
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 19.1 16.3 24.5

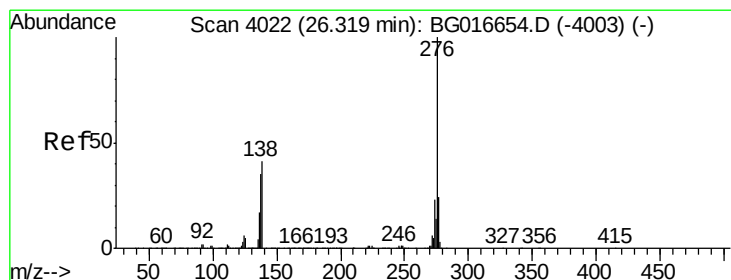
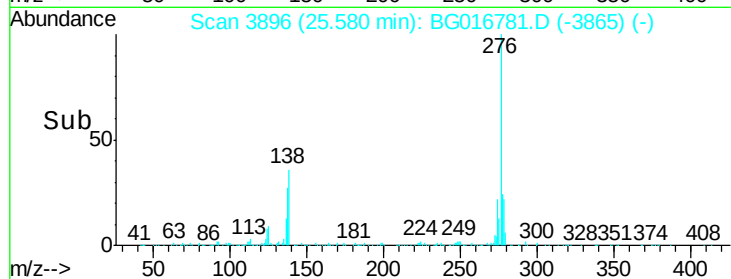
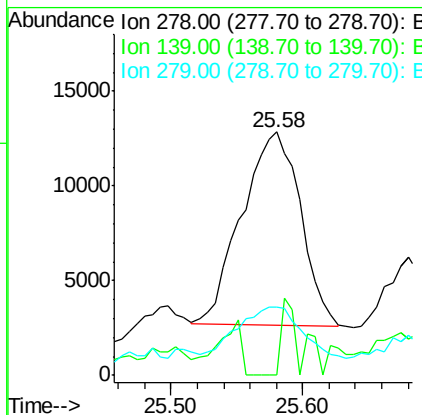
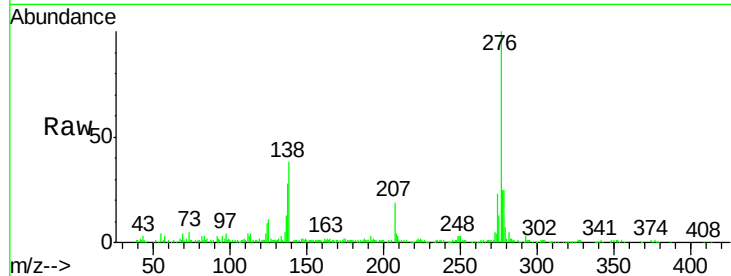




#90
Dibenzo(a,h)anthracene
Concen: 2.33 ng/mL
RT: 25.58 min Scan# 3896
Delta R.T. -0.02 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

Tot Ion: 278 Resp: 31777
Ion Ratio Lower Upper
278 100
139 0.0 24.2 36.2#
279 28.2 18.9 28.3



#91
Benzo(g,h,i)perylene
Concen: 11.07 ng/mL
RT: 26.26 min Scan# 4012
Delta R.T. -0.01 min
Lab File: BG016781.D
Acq: 29 Apr 2015 00:49

Tgt Ion: 276 Resp: 153741
Ion Ratio Lower Upper
276 100
277 22.8 19.3 28.9
138 42.4 32.8 49.2

