

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016418.D
 Acq On : 15 Apr 2015 12:22
 Operator : TP/IZ
 Sample : G1831-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-9

Quant Time: Apr 16 03:19:58 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

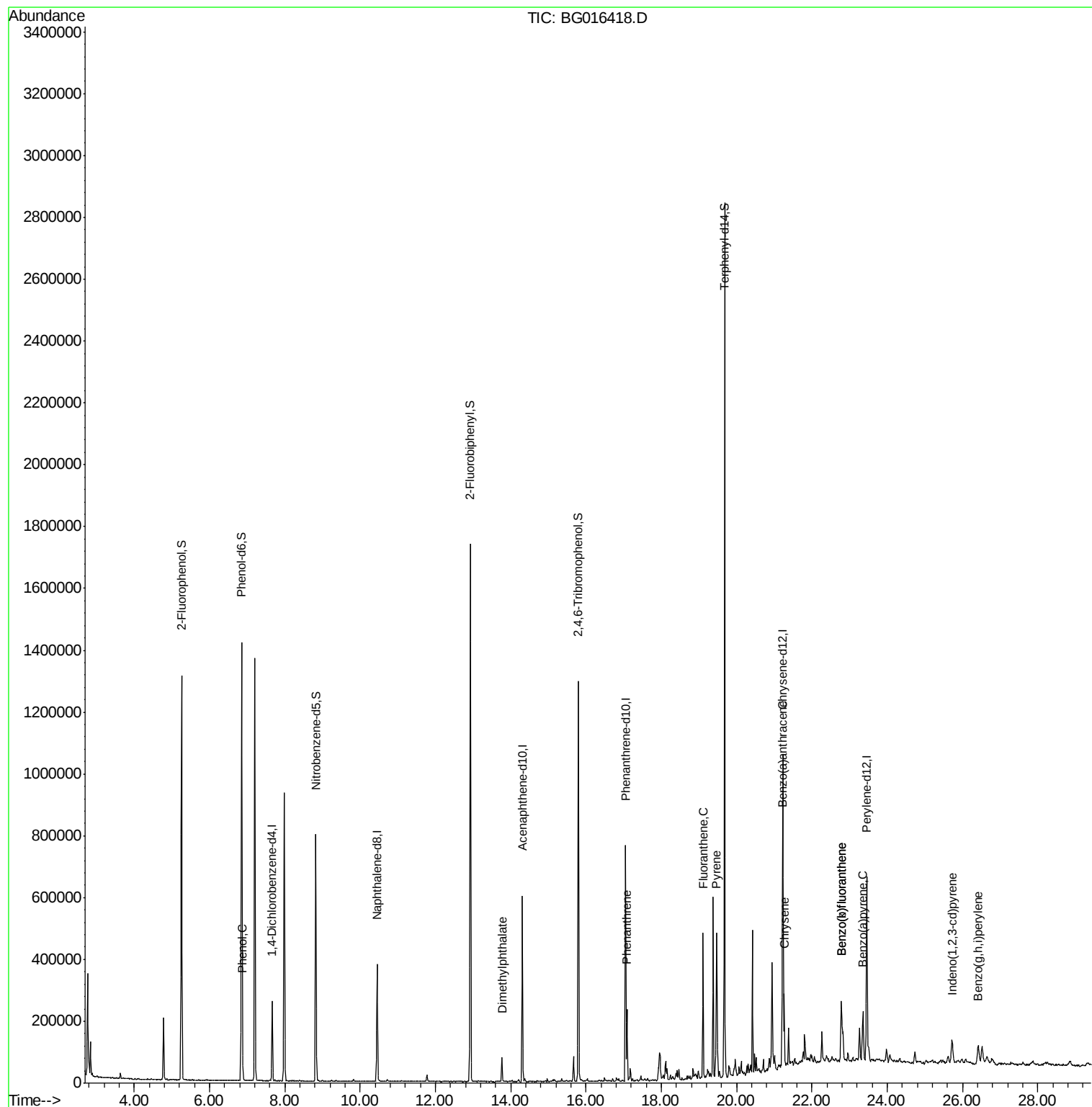
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	71101	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	321964	20.00	ng	0.00
38) Acenaphthene-d10	14.31	164	191741	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	423320	20.00	ng	-0.01
75) Chrysene-d12	21.23	240	378853	20.00	ng	0.00
86) Perylene-d12	23.46	264	348129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	611428	135.72	ng	0.00
7) Phenol-d6	6.85	99	908123	134.28	ng	0.00
23) Nitrobenzene-d5	8.82	82	477956	86.00	ng	-0.01
41) 2,4,6-Tribromophenol	15.80	330	175494	135.34	ng	0.00
44) 2-Fluorobiphenyl	12.93	172	843377	74.89	ng	0.00
78) Terphenyl-d14	19.68	244	1001967	61.90	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.88	94	23734	3.28	ng	99
49) Dimethylphthalate	13.77	163	50742	3.61	ng	99
70) Phenanthrene	17.09	178	134238	5.64	ng	98
74) Fluoranthene	19.11	202	241921	9.86	ng	94
77) Pyrene	19.47	202	254378	9.64	ng	99
80) Benzo(a)anthracene	21.21	228	108097	4.83	ng	96
82) Chrysene	21.27	228	104998	4.86	ng	97
85) Indeno(1,2,3-cd)pyrene	25.73	276	57383	2.56	ng	# 88
87) Benzo(b)fluoranthene	22.79	252	124516	6.11	ng	98
88) Benzo(k)fluoranthene	22.79	252	124516	6.24	ng	98
89) Benzo(a)pyrene	23.36	252	91751	4.80	ng	96
91) Benzo(g,h,i)perylene	26.42	276	60096	3.24	ng	95

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

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Misc :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 847

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

ClientSampleId :

PE-9

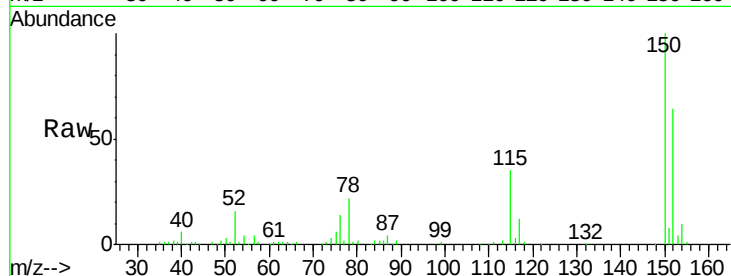
Tgt Ion:152 Resp: 71101

Ion Ratio Lower Upper

152 100

150 157.1 130.1 195.1

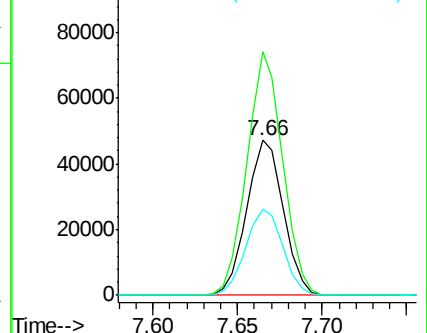
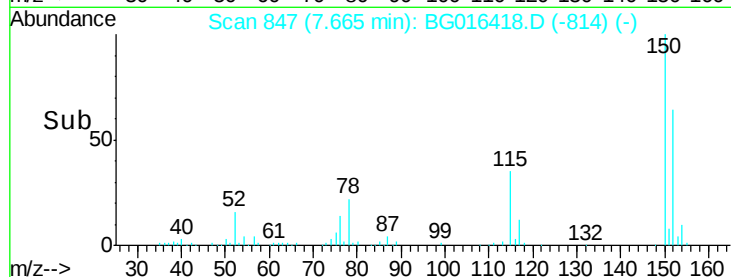
115 55.3 50.5 75.7



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: 135.72 ng

RT: 5.26 min Scan# 437

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

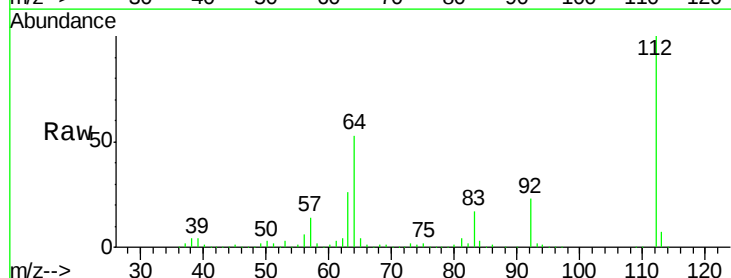
Tgt Ion:112 Resp: 611428

Ion Ratio Lower Upper

112 100

64 52.5 44.5 66.7

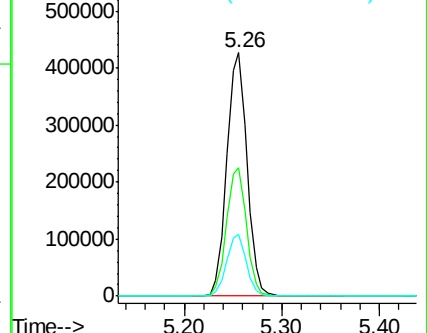
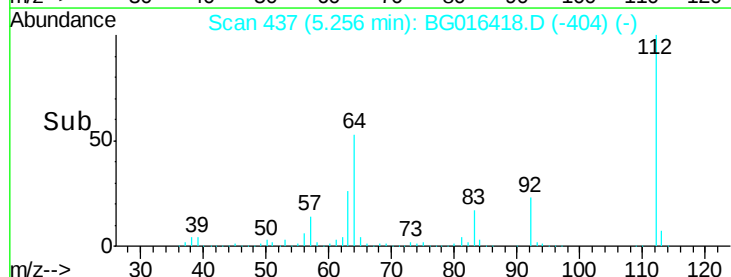
63 25.6 21.4 32.0

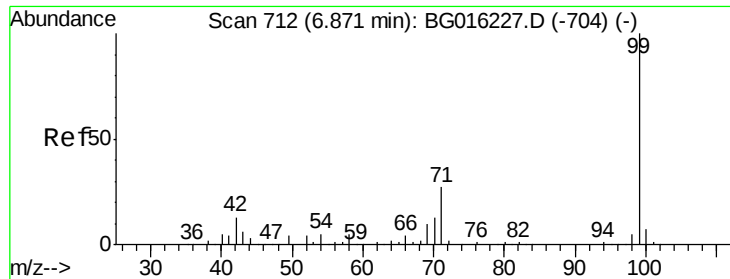


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 134.28 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

ClientSampleId :

PE-9

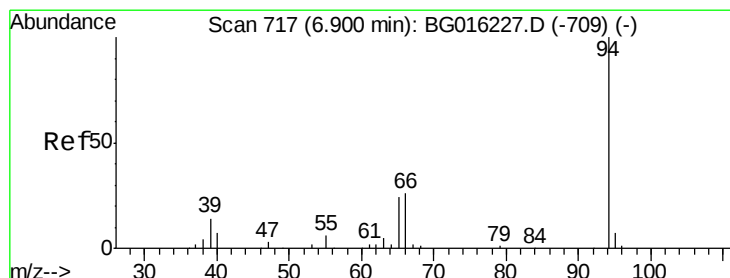
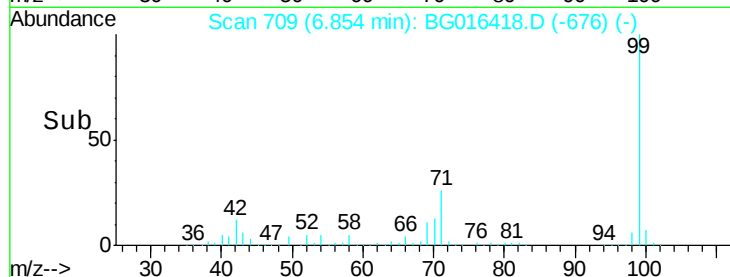
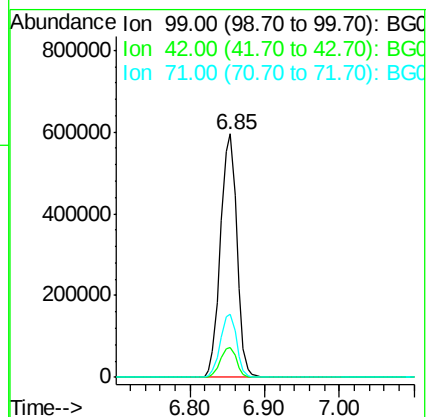
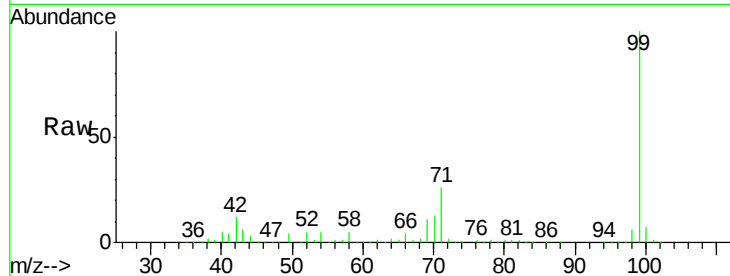
Tgt Ion: 99 Resp: 908123

Ion Ratio Lower Upper

99 100

42 12.1 10.0 15.0

71 26.0 21.5 32.3



#10

Phenol

Concen: 3.28 ng

RT: 6.88 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

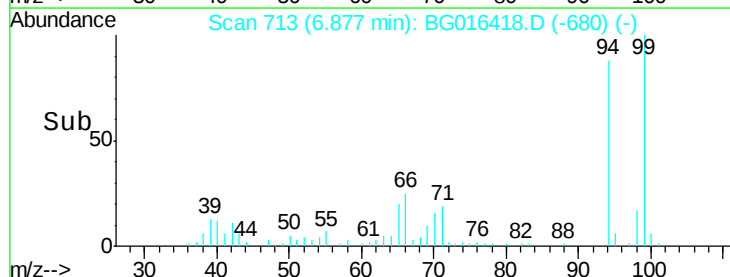
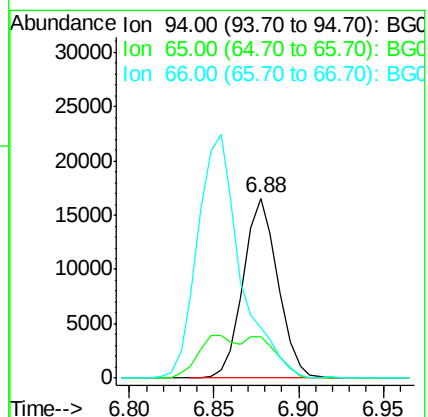
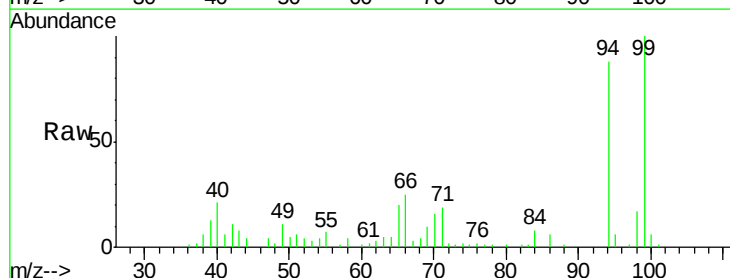
Tgt Ion: 94 Resp: 23734

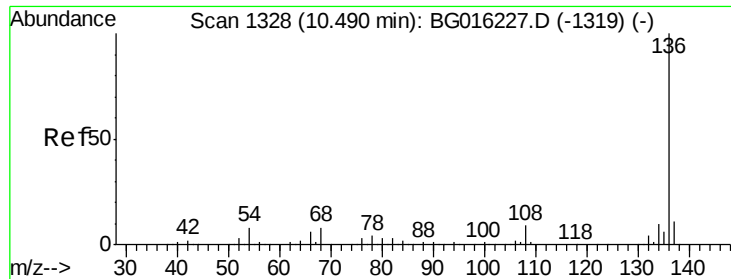
Ion Ratio Lower Upper

94 100

65 22.9 3.8 43.8

66 27.8 7.4 47.4

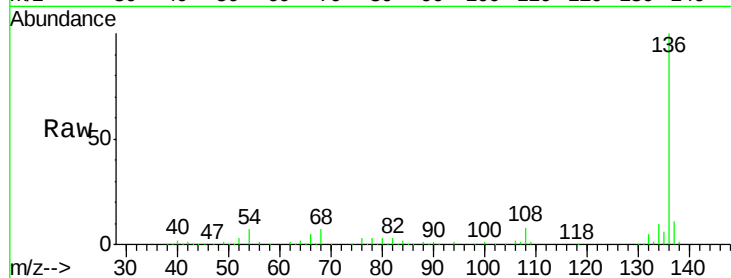




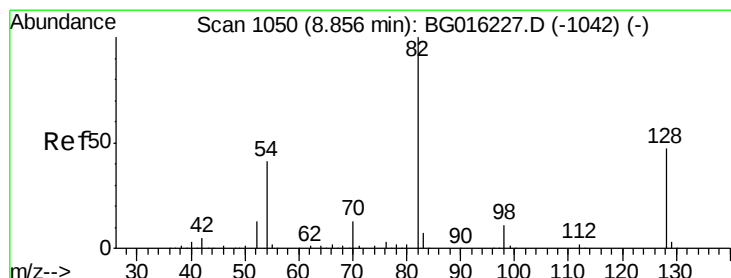
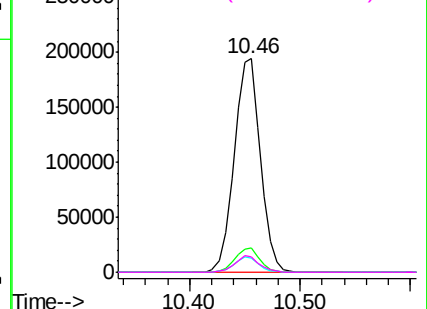
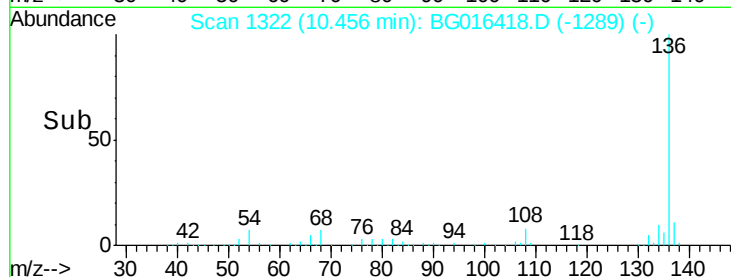
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.46 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion:	136	Resp:	321964
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	6.9	6.3	9.5
68	7.0	6.5	9.7

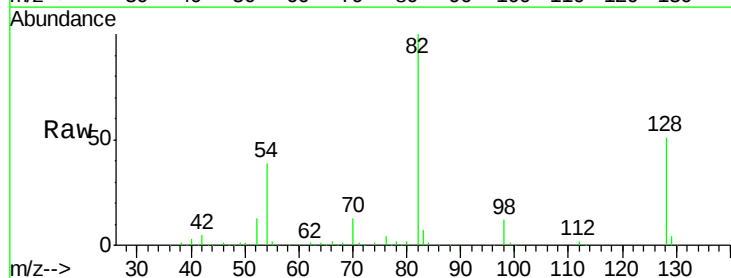


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

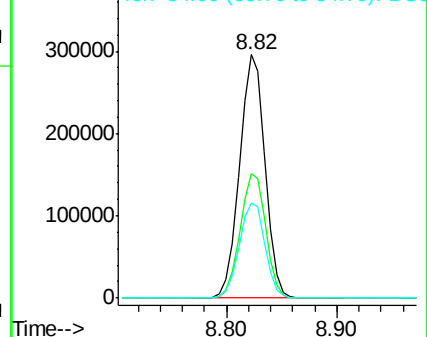
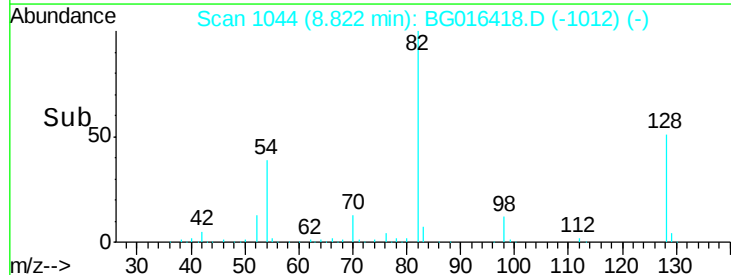


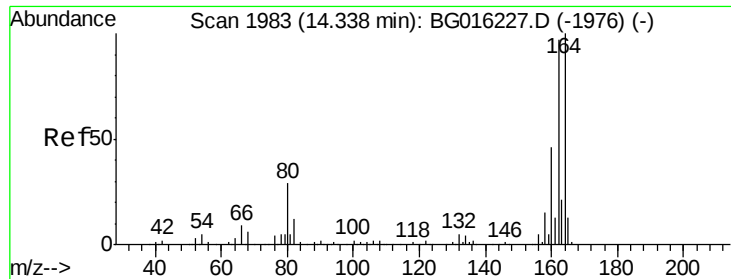
#23
Nitrobenzene-d5
Concen: 86.00 ng
RT: 8.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion:	82	Resp:	477956
Ion	Ratio	Lower	Upper
82	100		
128	51.3	37.8	56.8
54	39.1	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: 14.31 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

ClientSampleId :

PE-9

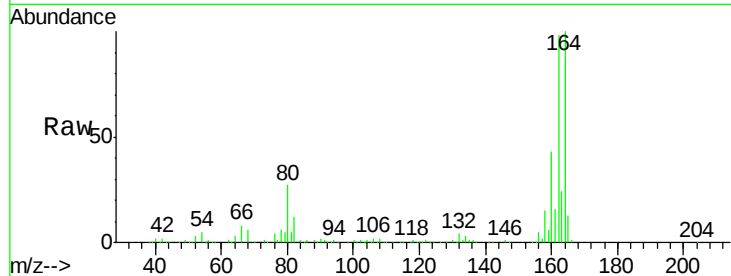
Tgt Ion:164 Resp: 191741

Ion Ratio Lower Upper

164 100

162 98.3 77.3 115.9

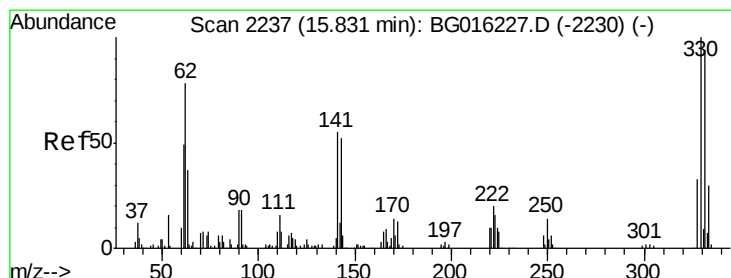
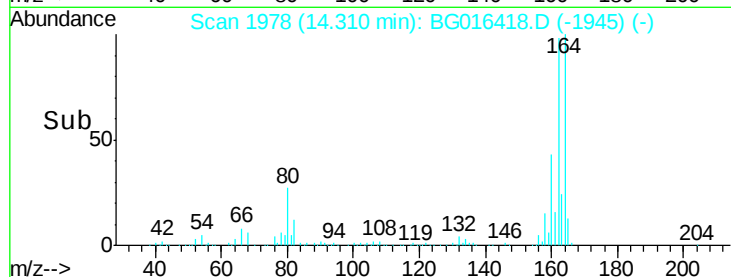
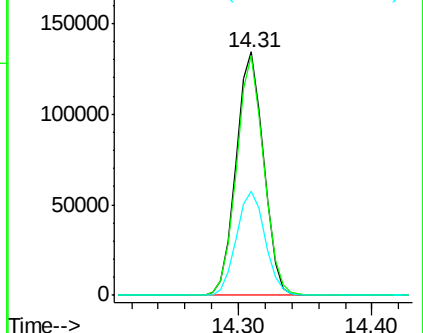
160 42.9 36.7 55.1



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: 135.34 ng

RT: 15.80 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

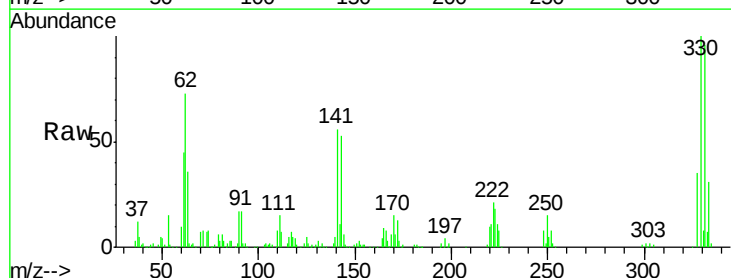
Tgt Ion:330 Resp: 175494

Ion Ratio Lower Upper

330 100

332 97.1 75.8 113.6

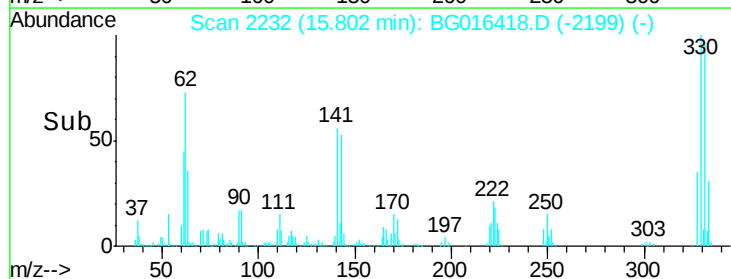
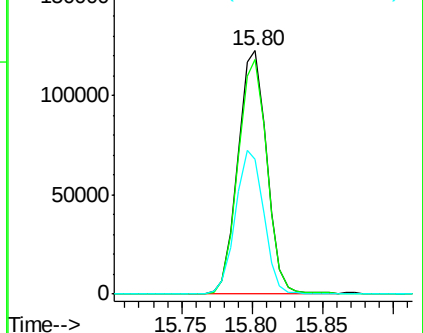
141 58.2 46.6 69.8

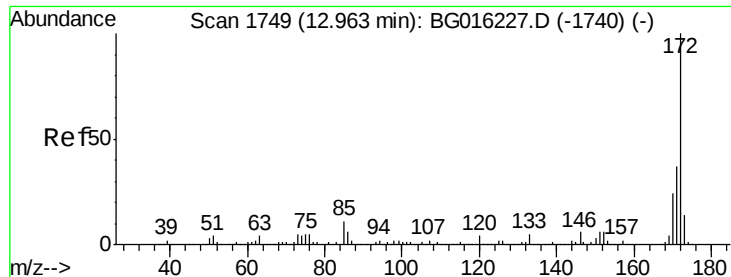


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

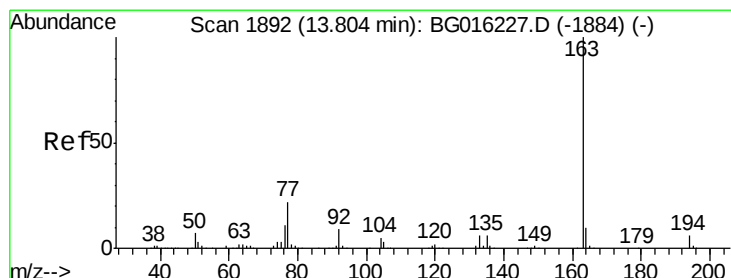
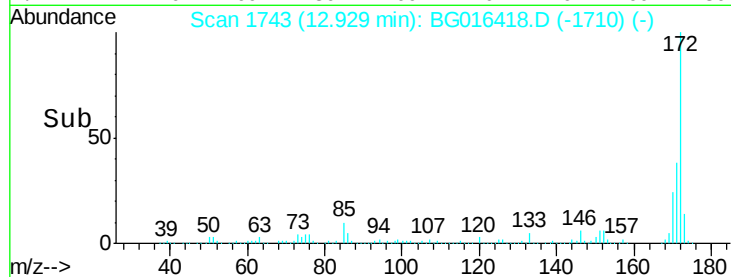
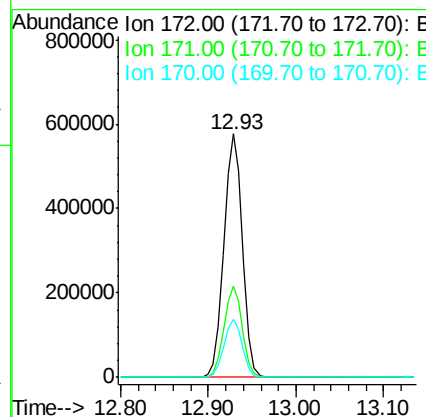
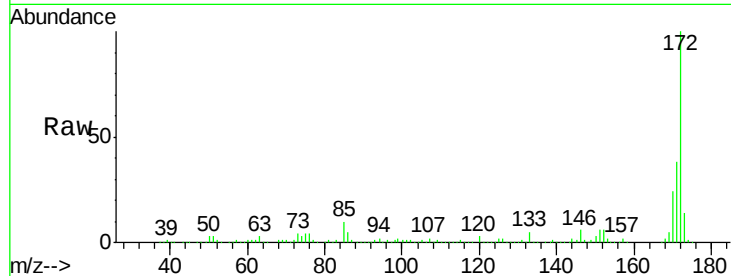




#44
 2-Fluorobiphenyl
 Concen: 74.89 ng
 RT: 12.93 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

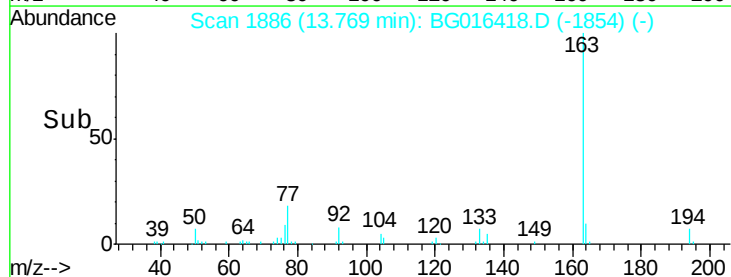
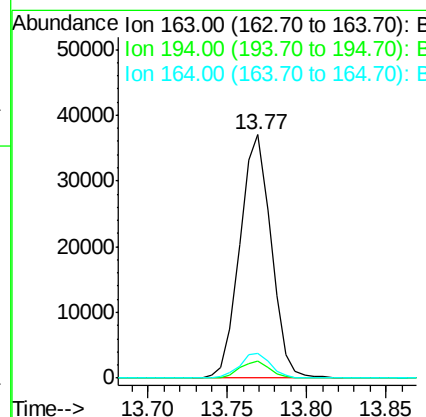
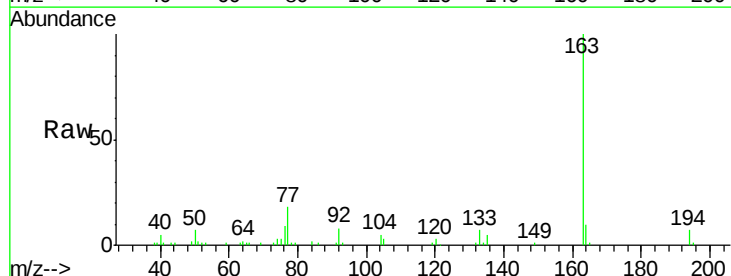
Instrument :
 BNA_G
 ClientSampleId :
 PE-9

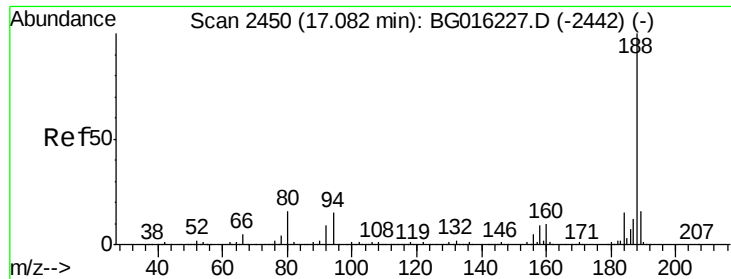
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.6	44.4
170	23.9	19.4	29.2



#49
 Dimethylphthalate
 Concen: 3.61 ng
 RT: 13.77 min Scan# 1886
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.8	5.0	7.4
164	9.9	8.2	12.4

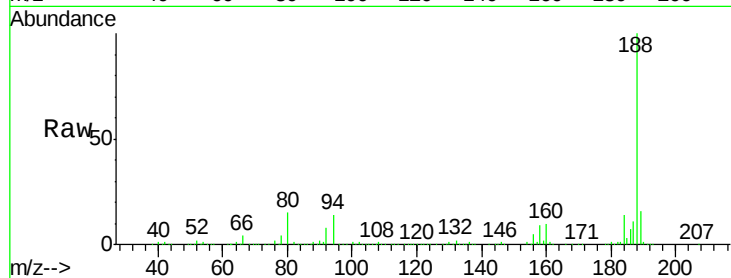




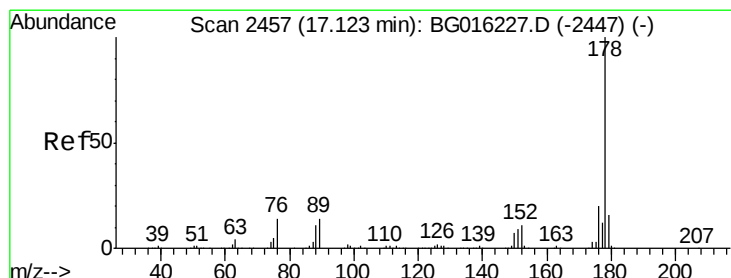
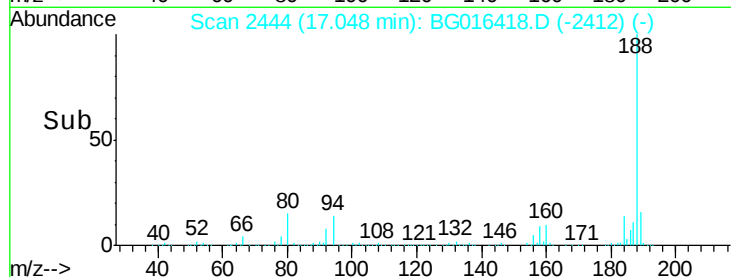
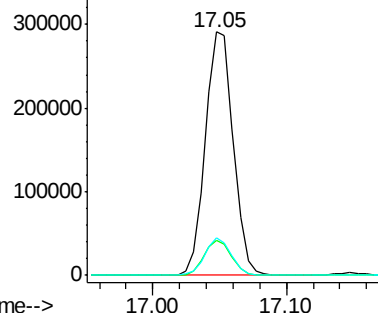
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.05 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PE-9

Tgt Ion:188 Resp: 423320
 Ion Ratio Lower Upper
 188 100
 94 14.2 12.2 18.4
 80 15.2 12.8 19.2

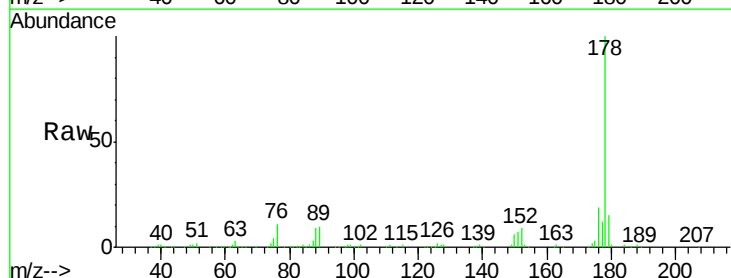


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

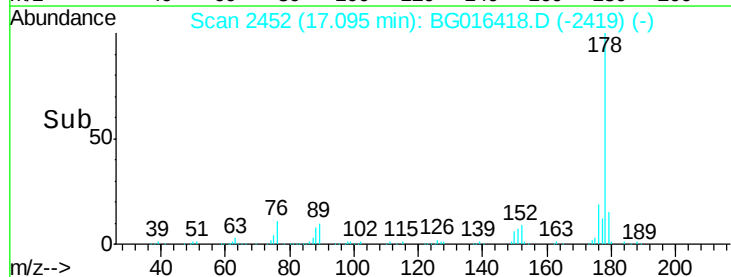
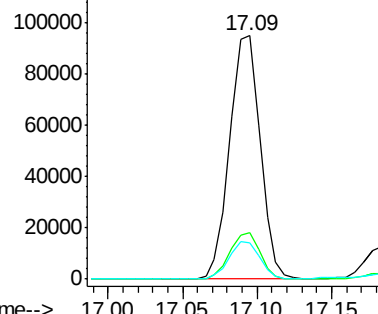


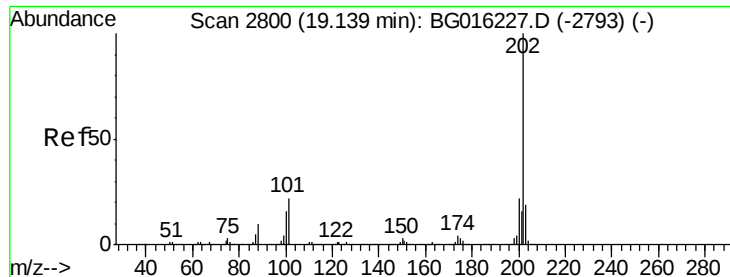
#70
 Phenanthrene
 Concen: 5.64 ng
 RT: 17.09 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Tgt Ion:178 Resp: 134238
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.1 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





#74

Fluoranthene

Concen: 9.86 ng

RT: 19.11 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

ClientSampleId :

PE-9

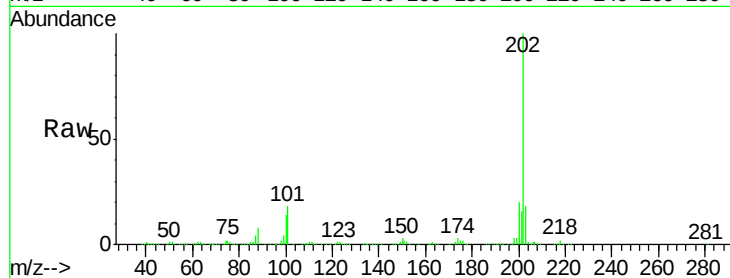
Tgt Ion:202 Resp: 241921

Ion Ratio Lower Upper

202 100

101 17.5 1.7 41.7

203 17.8 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

250000

200000

150000

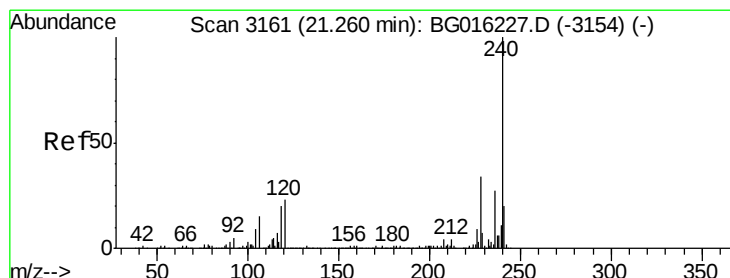
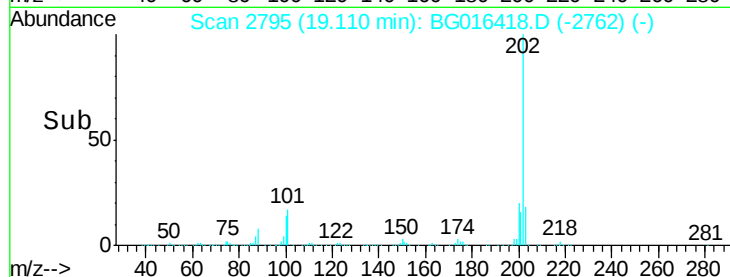
100000

50000

0

19.05 19.10 19.15

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

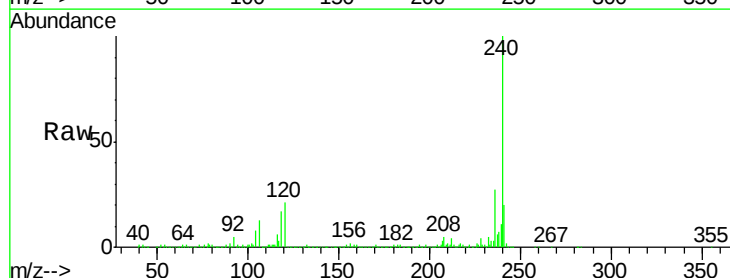
Tgt Ion:240 Resp: 378853

Ion Ratio Lower Upper

240 100

120 21.0 18.6 28.0

236 27.2 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

400000

300000

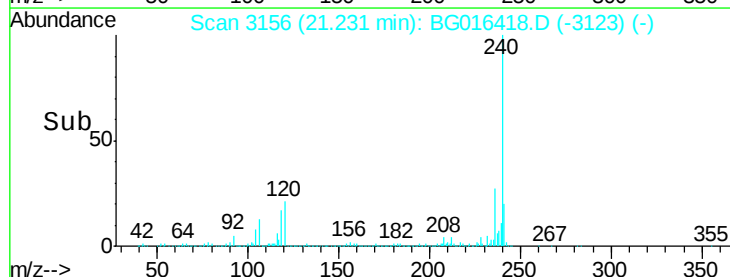
200000

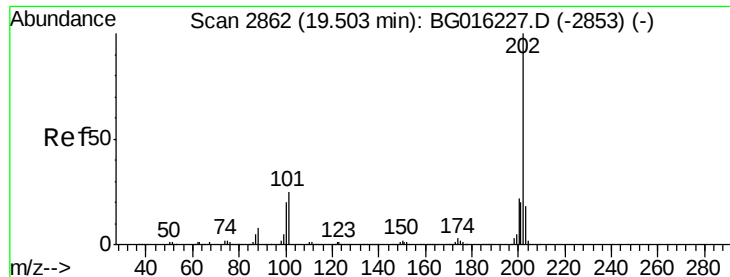
100000

0

21.20 21.23 21.30

Time-->

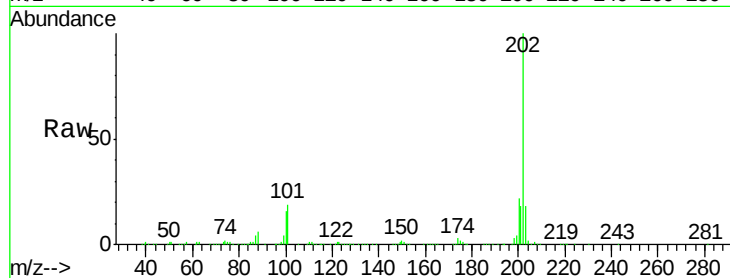




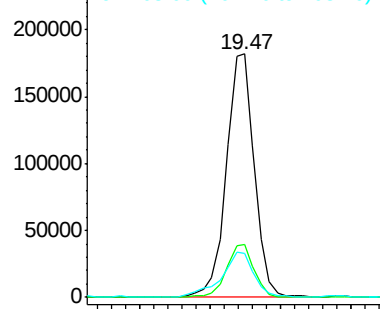
#77
 Pyrene
 Concen: 9.64 ng
 RT: 19.47 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PE-9

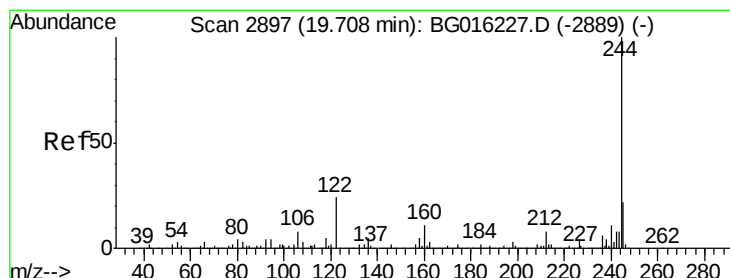
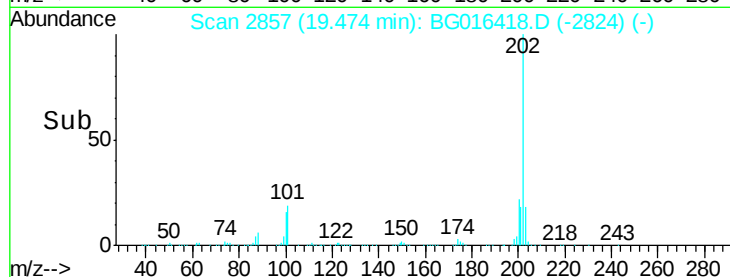
Tgt Ion: 202 Resp: 254378
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.8 26.8
 203 18.3 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E
 250000
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

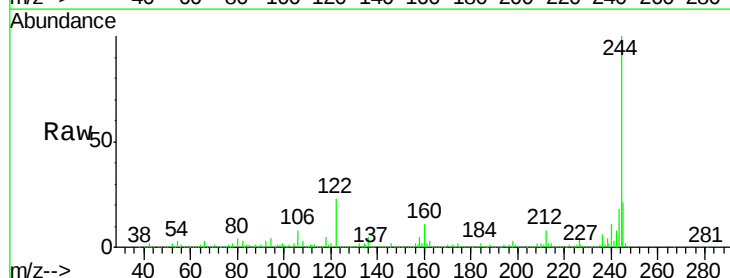


Time-->

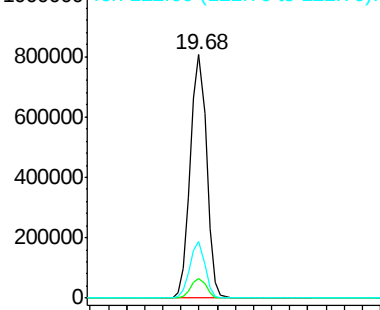


#78
 Terphenyl-d14
 Concen: 61.90 ng
 RT: 19.68 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

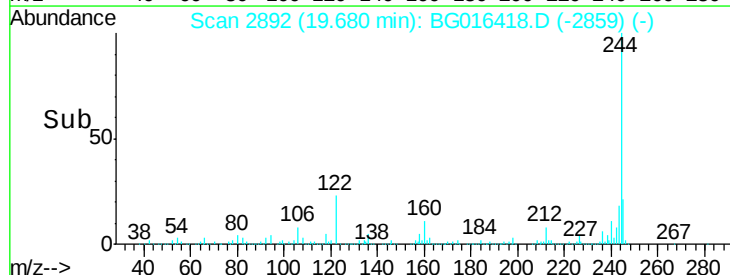
Tgt Ion: 244 Resp: 1001967
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 23.1 19.1 28.7

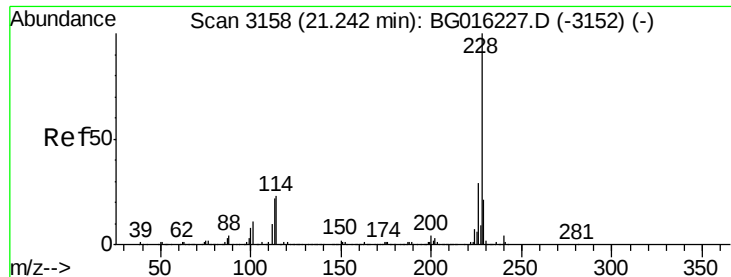


Abundance Ion 244.00 (243.70 to 244.70): E
 1000000
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 4.83 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

ClientSampleId :

PE-9

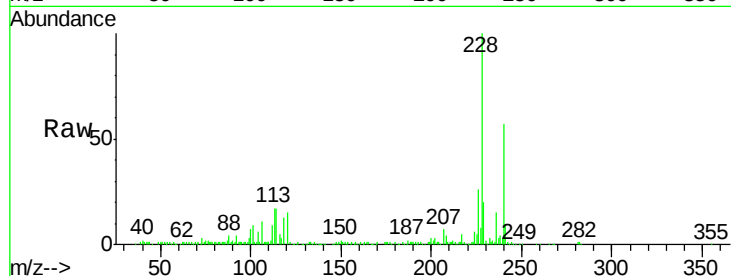
Tgt Ion:228 Resp: 108097

Ion Ratio Lower Upper

228 100

226 26.2 23.5 35.3

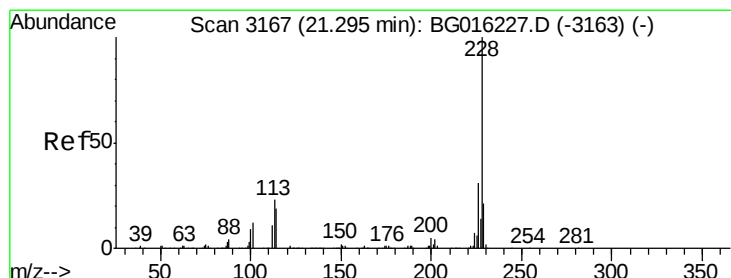
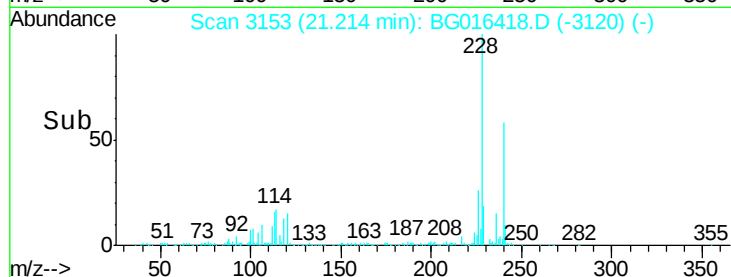
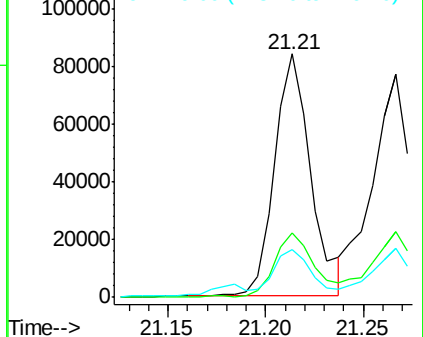
229 19.8 16.8 25.2



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: 4.86 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

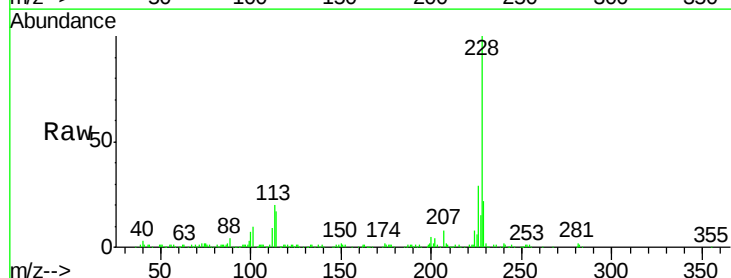
Tgt Ion:228 Resp: 104998

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.4

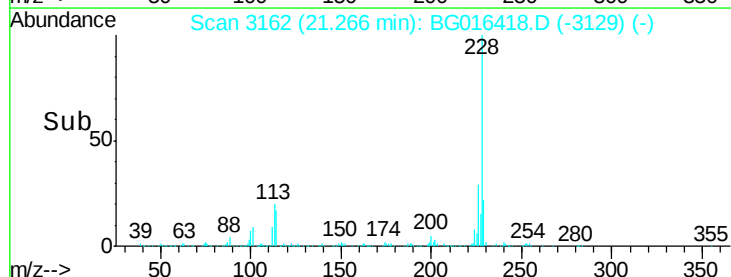
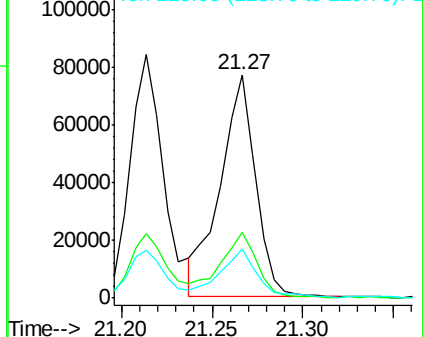
229 21.8 17.0 25.4

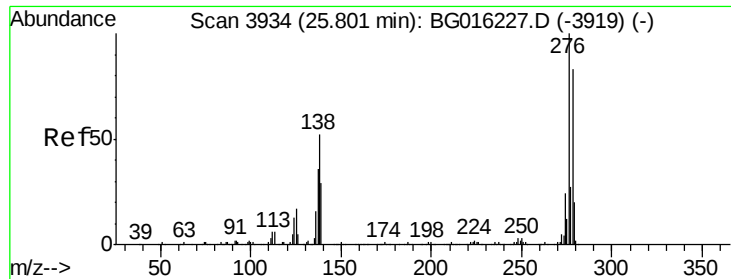


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

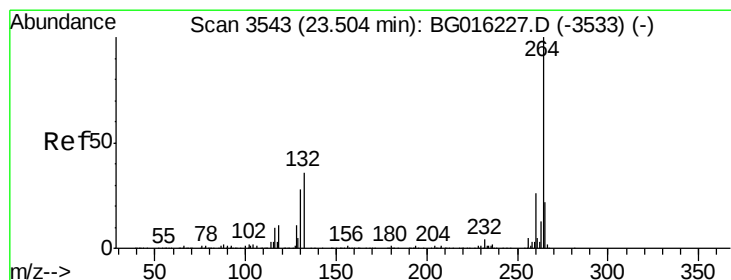
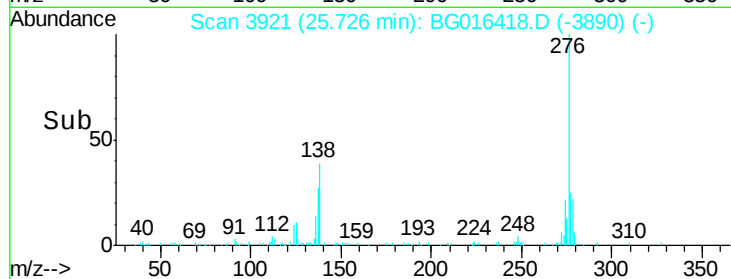
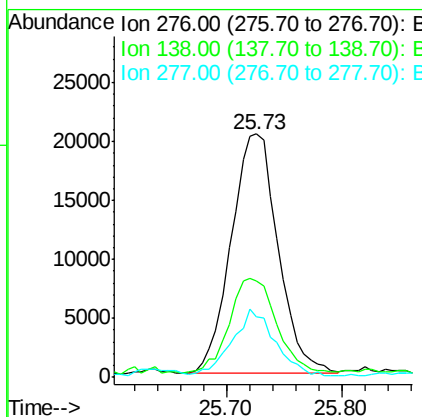
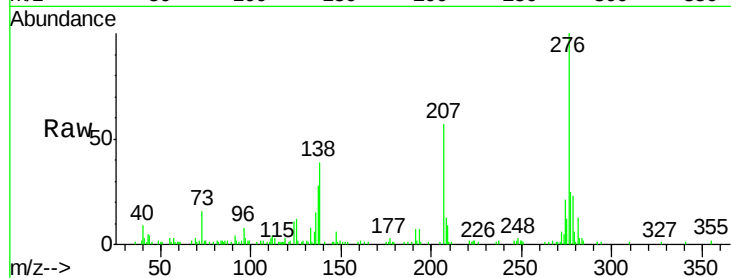




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 25.73 min Scan# 3921
 Delta R.T. -0.02 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

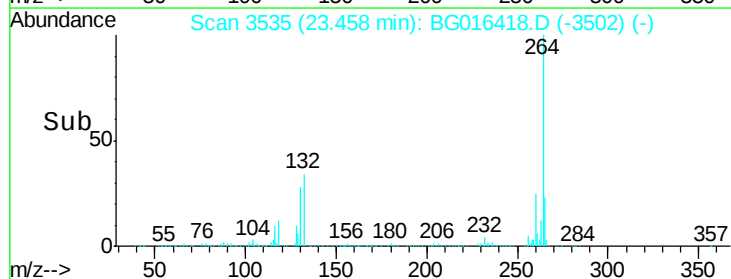
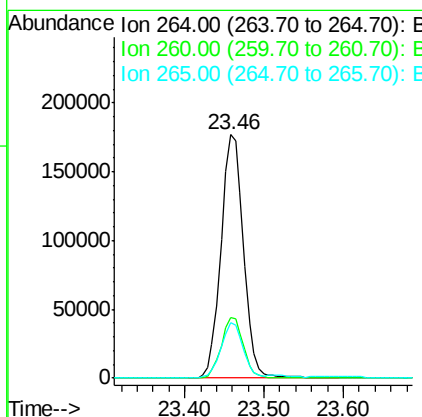
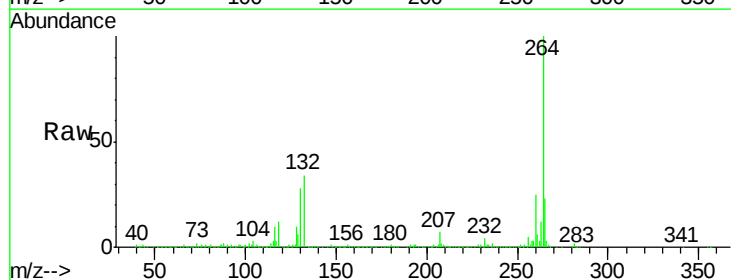
Instrument :
 BNA_G
 ClientSampled :
 PE-9

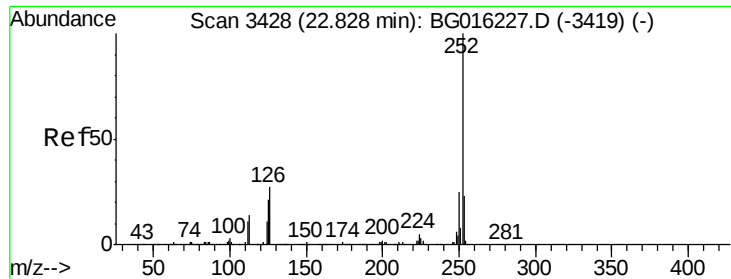
Tgt Ion: 276 Resp: 57383
 Ion Ratio Lower Upper
 276 100
 138 39.7 41.5 62.3#
 277 25.1 21.0 31.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.46 min Scan# 3535
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Tgt Ion: 264 Resp: 348129
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.4 30.6
 265 23.0 17.2 25.8

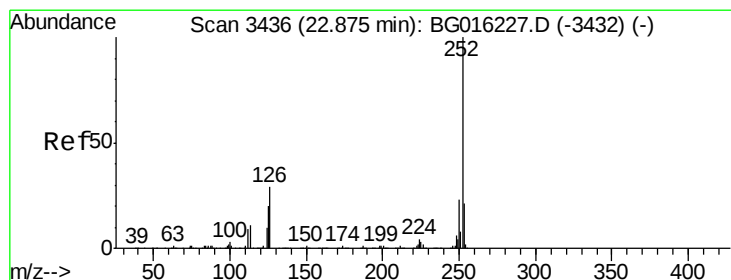
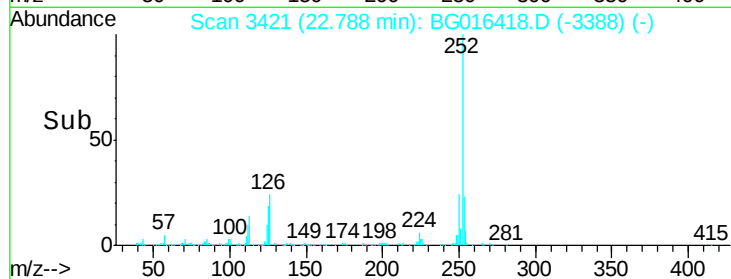
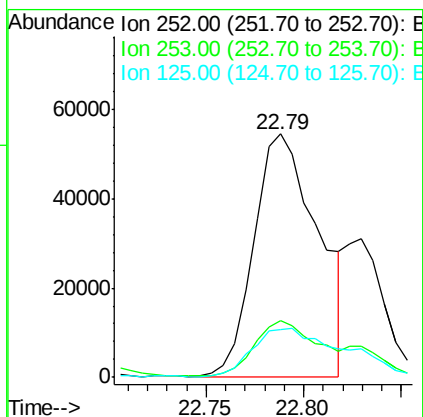
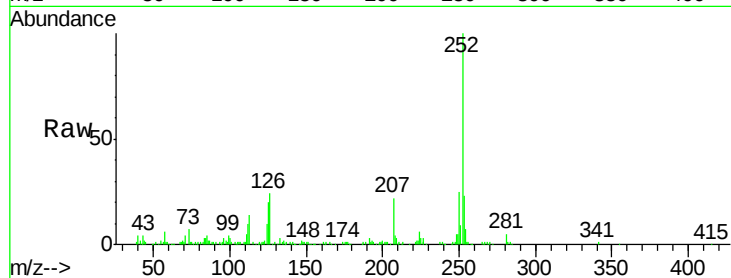




#87
Benzo(b)fluoranthene
Concen: 6.11 ng
RT: 22.79 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

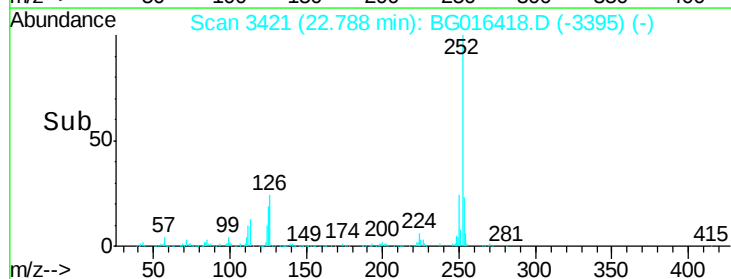
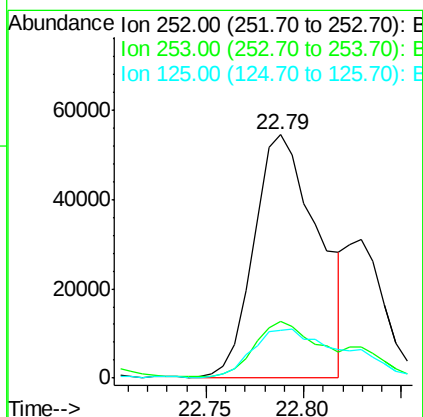
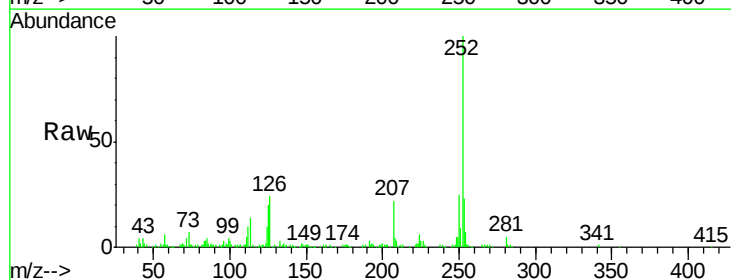
Instrument :
BNA_G
ClientSampleId :
PE-9

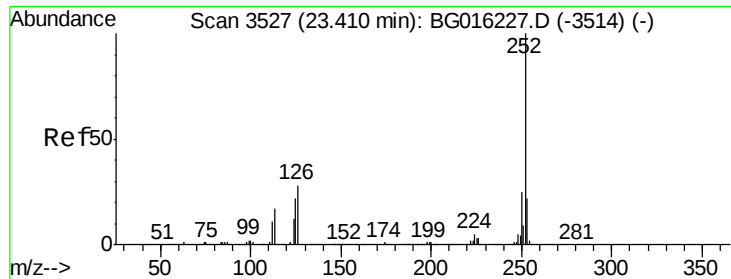
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	19.8	17.0	25.6



#88
Benzo(k)fluoranthene
Concen: 6.24 ng
RT: 22.79 min Scan# 3421
Delta R.T. -0.05 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	19.8	16.3	24.5

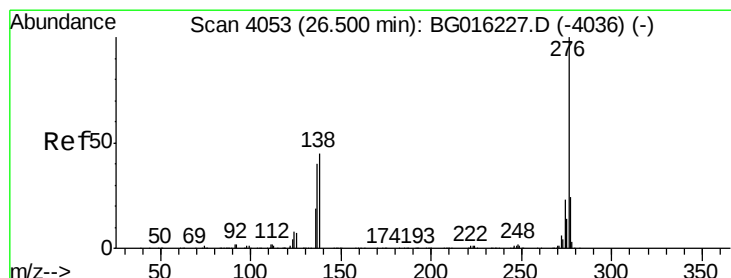
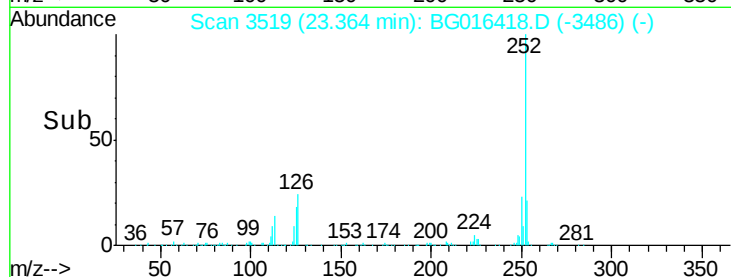
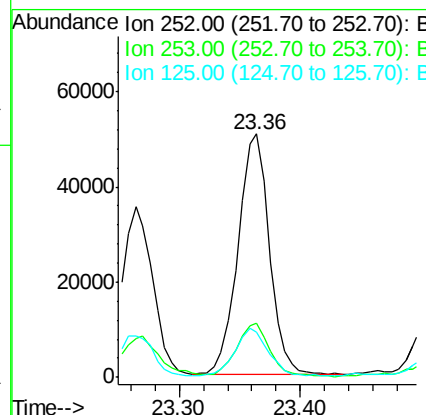
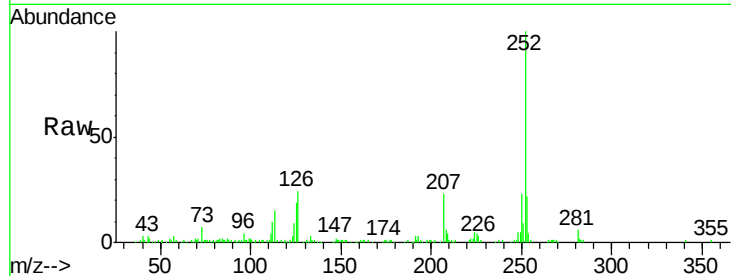




#89
Benzo(a)pyrene
Concen: 4.80 ng
RT: 23.36 min Scan# 3519
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion: 252 Resp: 91751
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 18.6 17.6 26.4



#91
Benzo(g,h,i)perylene
Concen: 3.24 ng
RT: 26.42 min Scan# 4039
Delta R.T. -0.03 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion: 276 Resp: 60096
Ion Ratio Lower Upper
276 100
277 23.6 19.5 29.3
138 39.9 35.7 53.5

