

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
 Data File : BG016824.D
 Acq On : 30 Apr 2015 7:51
 Operator : TP/IZ
 Sample : G2041-01 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-01SOUTH

Quant Time: Apr 30 08:59:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 07:39:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	62396	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	265144	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	145200	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	268899	20.00	ng	0.00
75) Chrysene-d12	21.16	240	232528	20.00	ng	0.00
86) Perylene-d12	23.35	264	225804	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	62691	18.51	ng	0.00
7) Phenol-d6	6.77	99	80498	16.93	ng	0.00
23) Nitrobenzene-d5	8.73	82	40697	10.00	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	15864	14.67	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	106050	11.31	ng	0.00
78) Terphenyl-d14	19.60	244	105066	10.90	ng	0.00

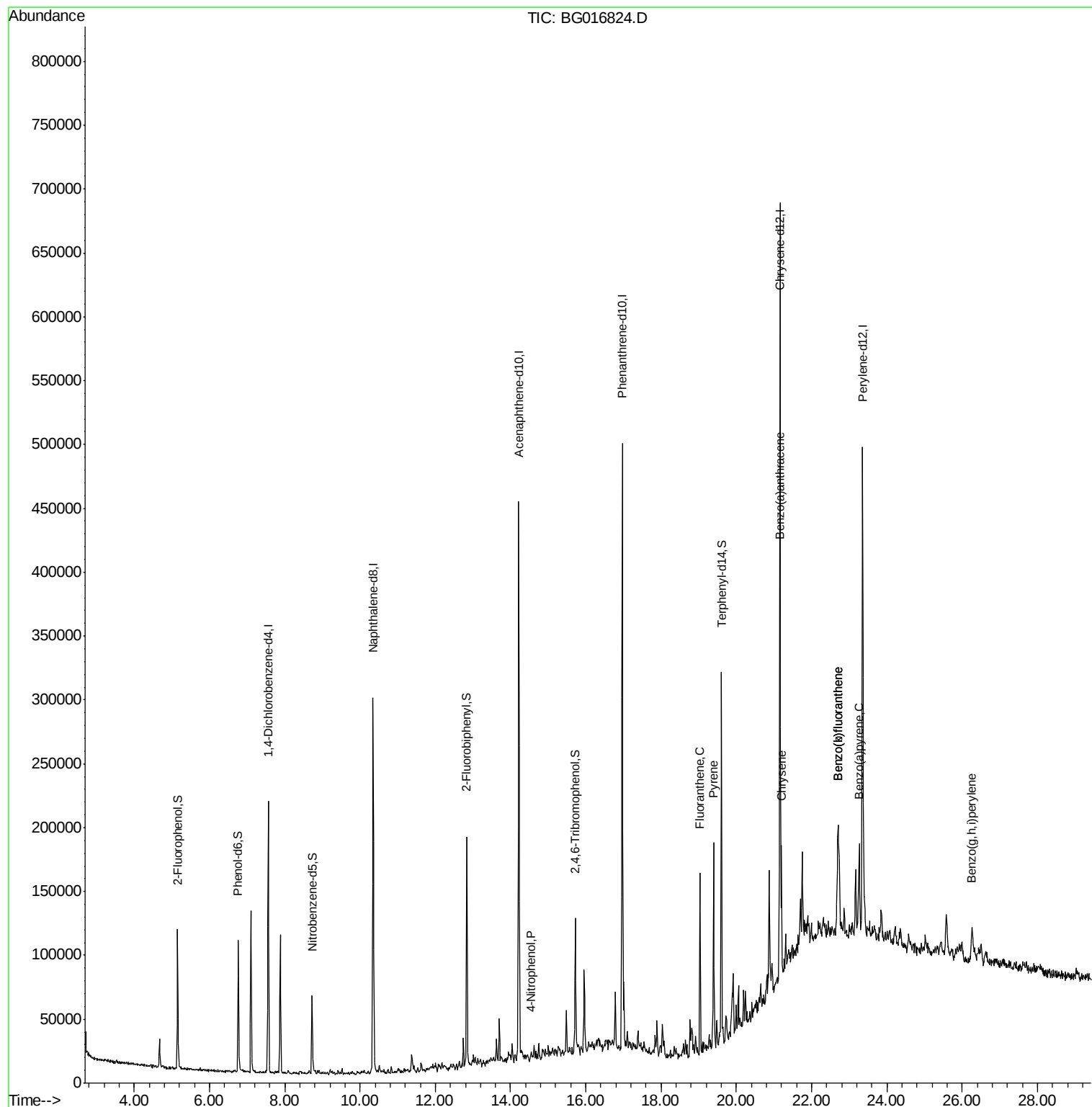
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
55) 4-Nitrophenol	14.52	139	58	6.26	ng	# 1
74) Fluoranthene	19.03	202	74008	4.73	ng	99
77) Pyrene	19.40	202	91454	6.02	ng	99
80) Benzo(a)anthracene	21.14	228	51717	3.85	ng	100
82) Chrysene	21.19	228	48366	3.81	ng	98
87) Benzo(b)fluoranthene	22.70	252	79081	6.15	ng	# 94
88) Benzo(k)fluoranthene	22.70	252	79081	6.28	ng	# 94
89) Benzo(a)pyrene	23.26	252	45056	3.70	ng	94
91) Benzo(g,h,i)perylene	26.26	276	26362	2.14	ng	99

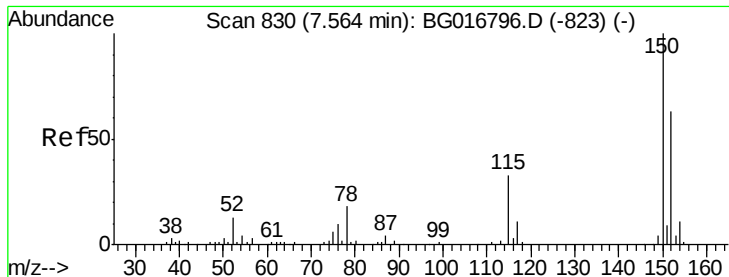
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-01SOUTH

Quant Time: Apr 30 08:59:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 07:39:35 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

Instrument :

BNA_G

ClientSampleId :

SP-01SOUTH

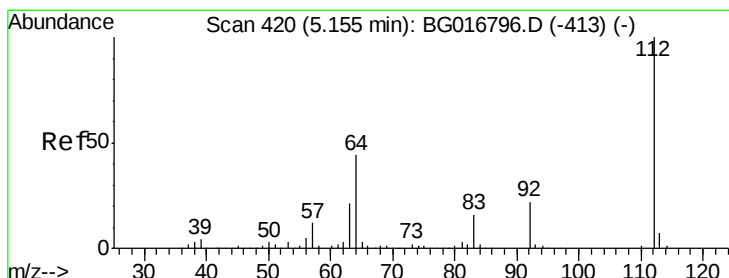
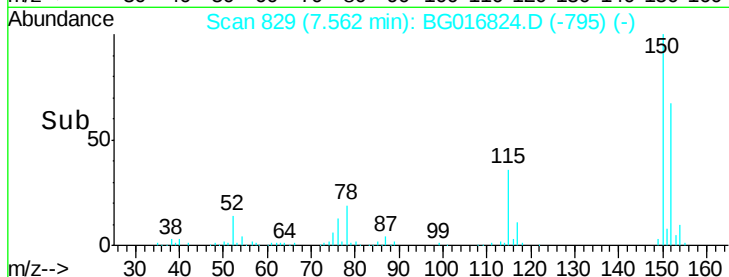
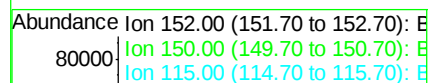
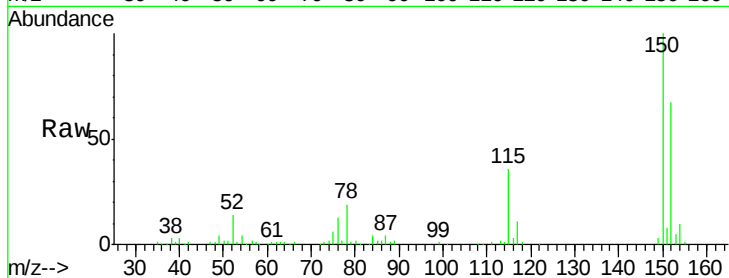
Tgt Ion:152 Resp: 62396

Ion Ratio Lower Upper

152 100

150 150.3 126.2 189.4

115 54.2 41.1 61.7



#5

2-Fluorophenol

Concen: 18.51 ng

RT: 5.15 min Scan# 419

Delta R.T. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

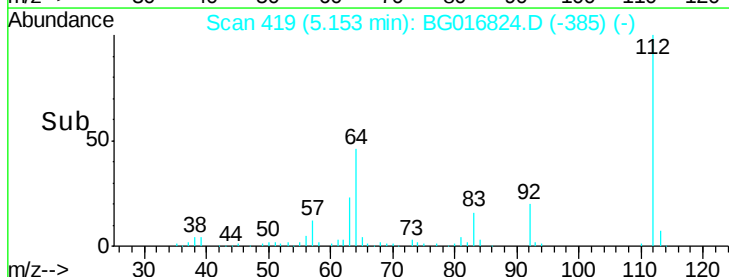
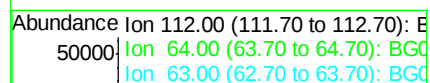
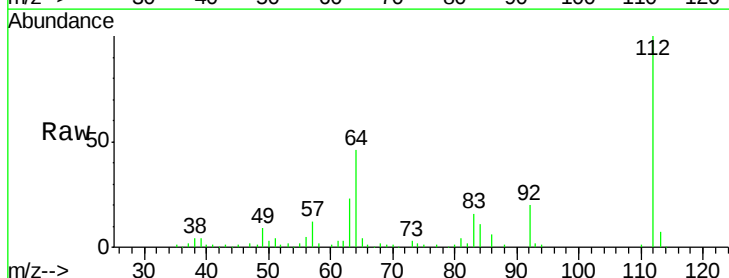
Tgt Ion:112 Resp: 62691

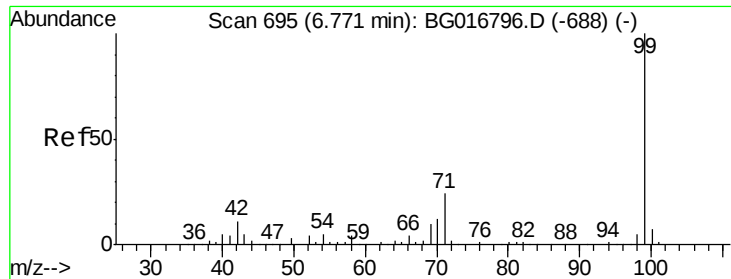
Ion Ratio Lower Upper

112 100

64 45.7 35.5 53.3

63 22.5 17.2 25.8





#7

Phenol-d6

Concen: 16.93 ng

RT: 6.77 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

Instrument :

BNA_G

ClientSampleId :

SP-01SOUTH

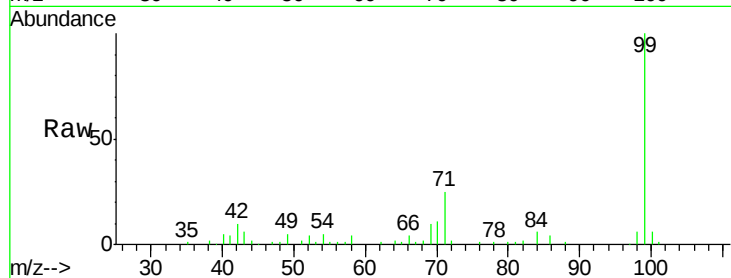
Tgt Ion: 99 Resp: 80498

Ion Ratio Lower Upper

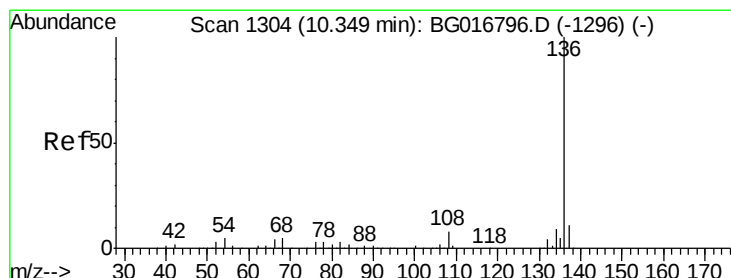
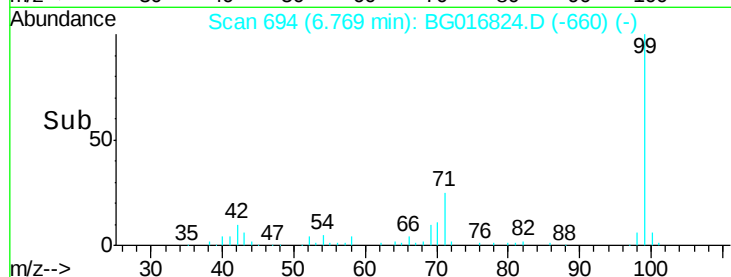
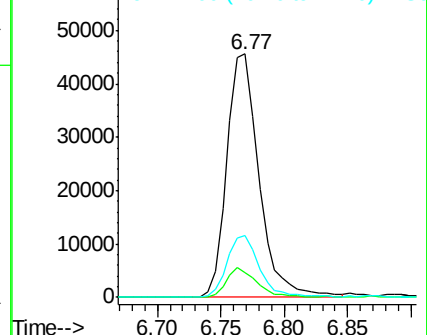
99 100

42 10.3 8.9 13.3

71 25.3 19.0 28.6



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# 1303

Delta R.T. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

Tgt Ion: 136 Resp: 265144

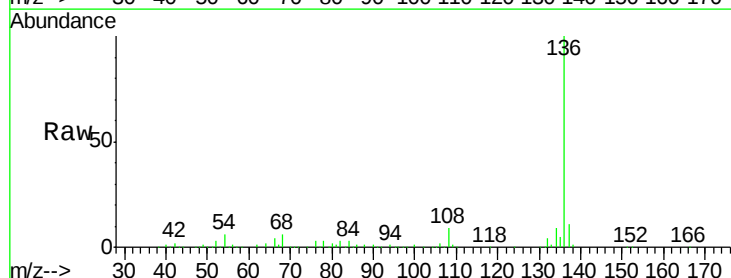
Ion Ratio Lower Upper

136 100

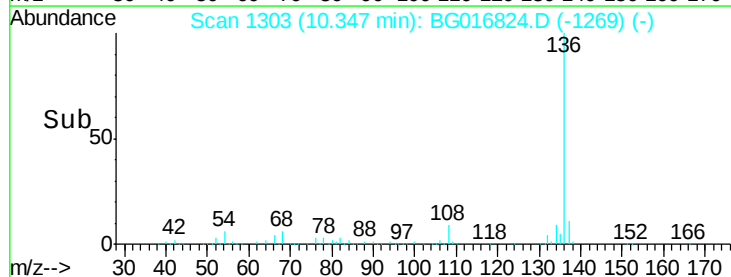
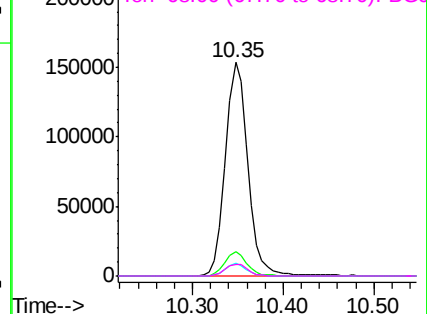
137 11.3 8.6 12.8

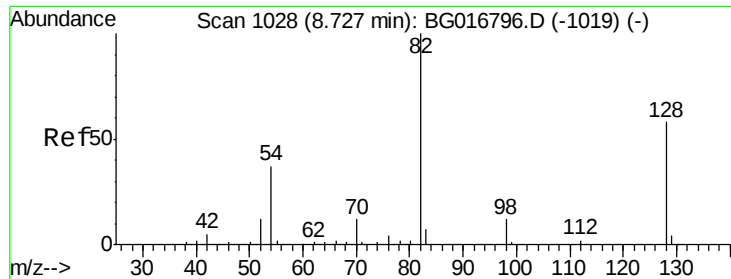
54 5.8 4.3 6.5

68 5.7 4.3 6.5



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

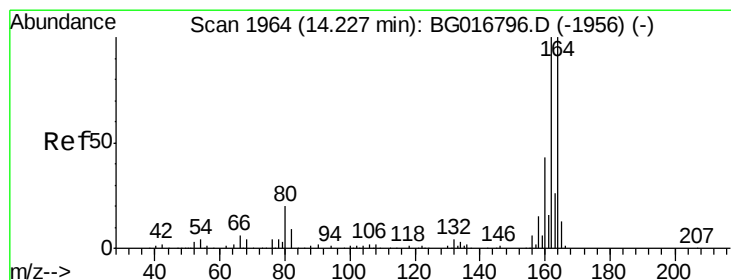
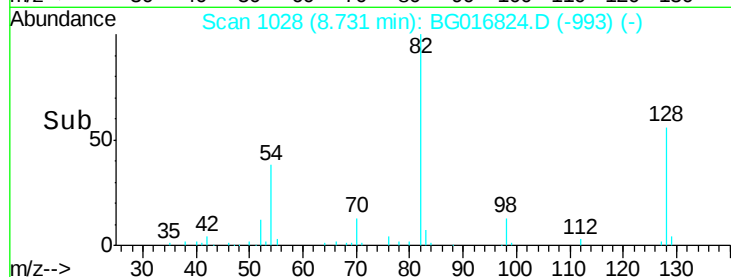
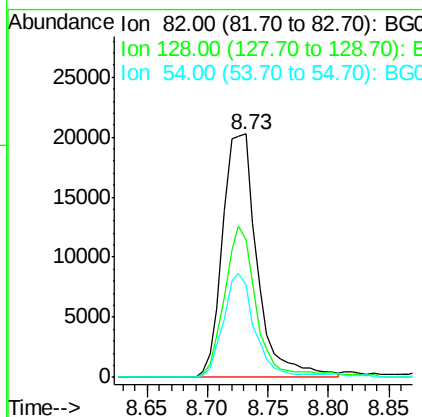
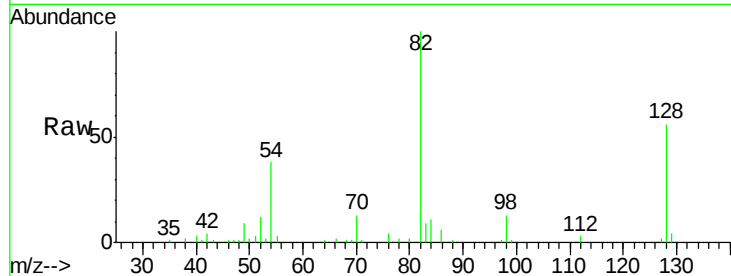




#23
 Nitrobenzene-d5
 Concen: 10.00 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

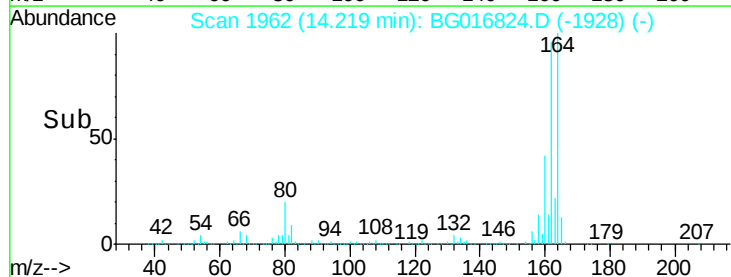
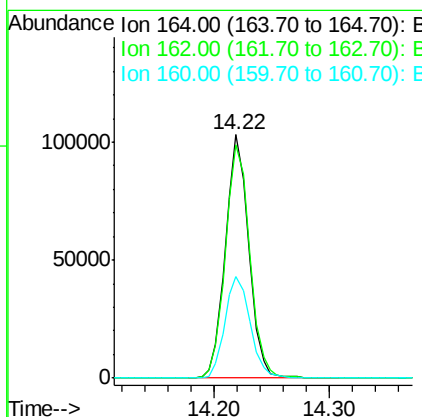
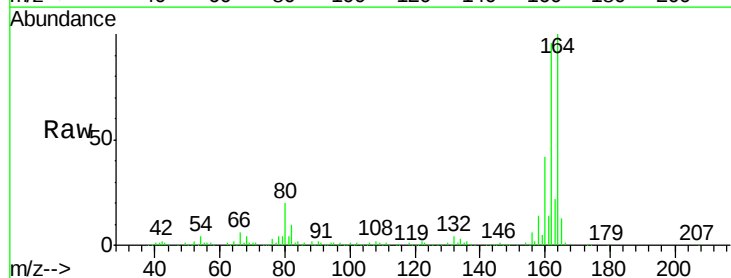
Instrument :
 BNA_G
 ClientSampleId :
 SP-01SOUTH

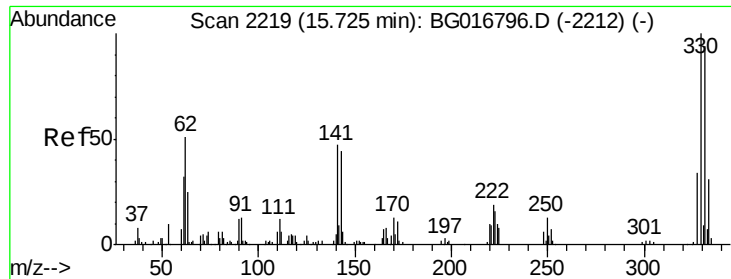
Tgt Ion	Ratio	Lower	Upper
82	100		
128	56.4	46.3	69.5
54	37.9	30.0	45.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.6	80.2	120.4
160	41.7	34.8	52.2

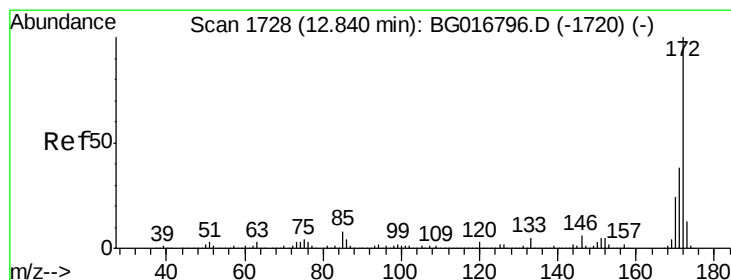
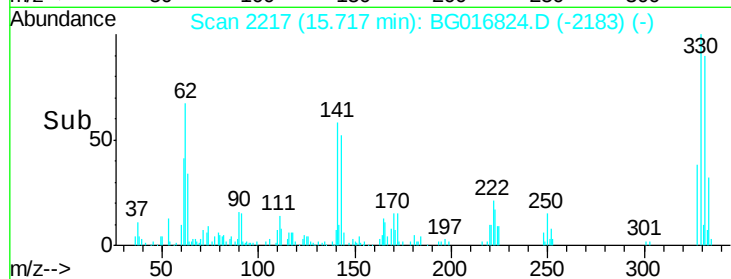
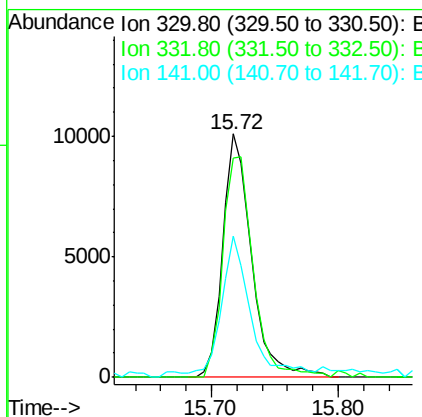
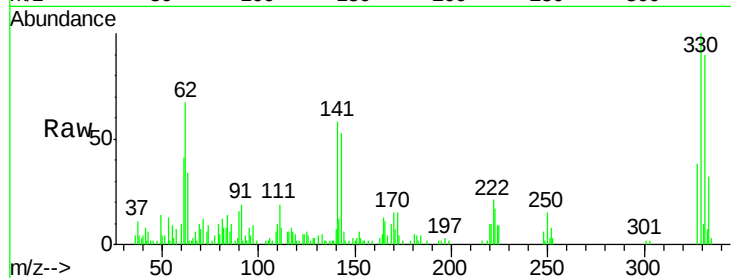




#41
 2,4,6-Tribromophenol
 Concen: 14.67 ng
 RT: 15.72 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

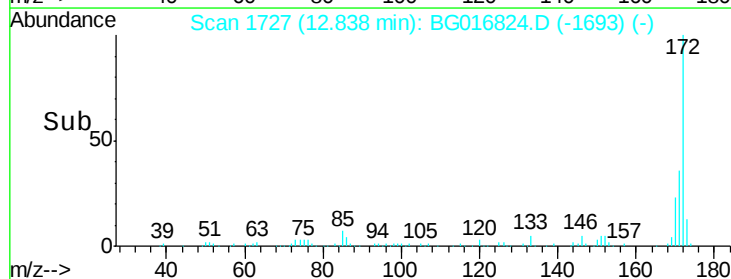
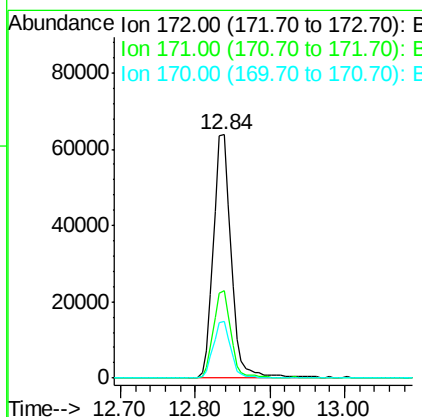
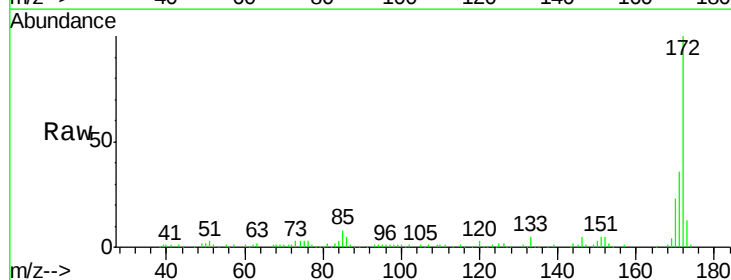
Instrument :
 BNA_G
 ClientSampleId :
 SP-01SOUTH

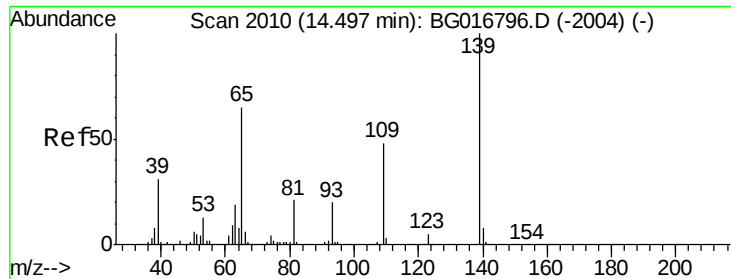
Tgt Ion: 330 Resp: 15864
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.3 112.9
 141 53.4 40.7 61.1



#44
 2-Fluorobiphenyl
 Concen: 11.31 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

Tgt Ion: 172 Resp: 106050
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.2 45.4
 170 23.3 19.4 29.0

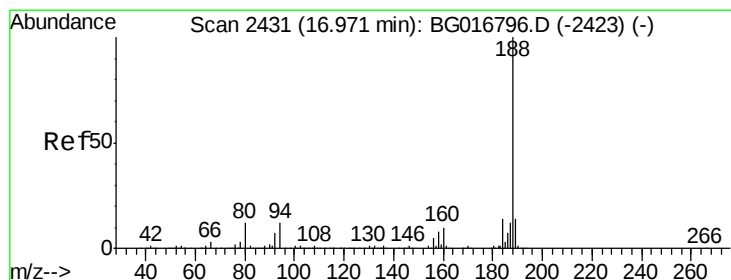
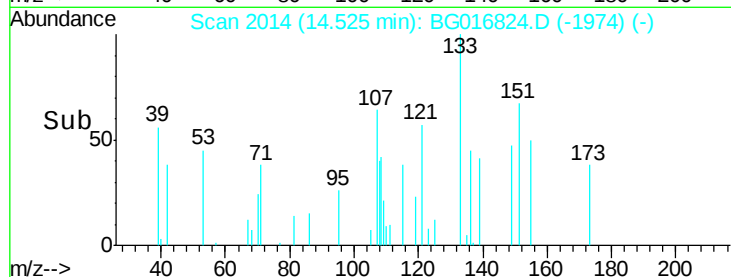
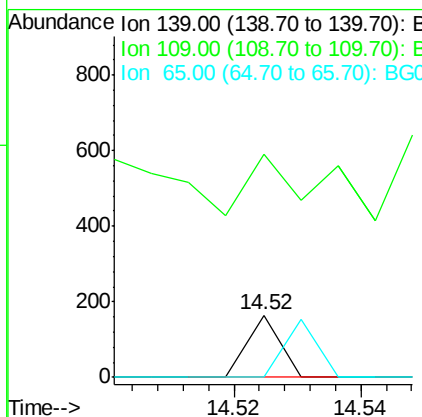
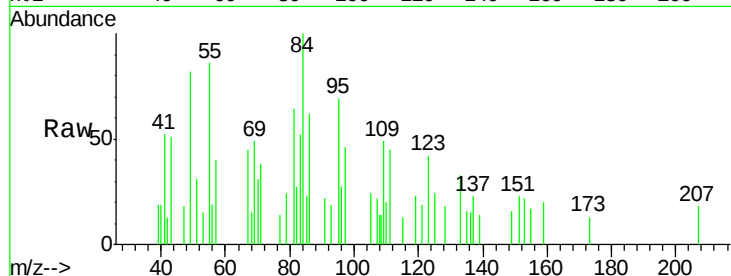




#55
4-Nitrophenol
Concen: 6.26 ng
RT: 14.52 min Scan# 2014
Delta R.T. 0.04 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

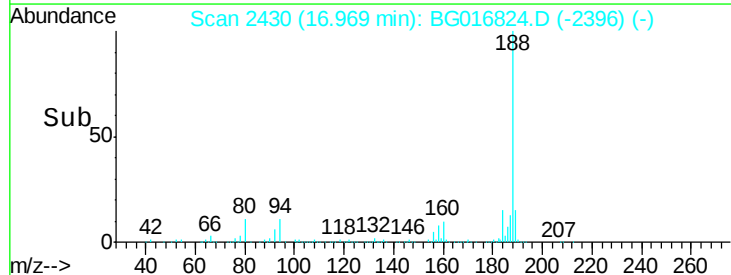
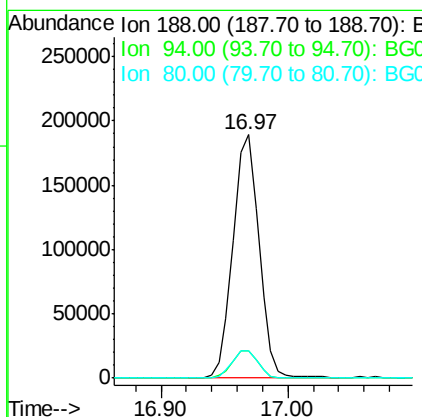
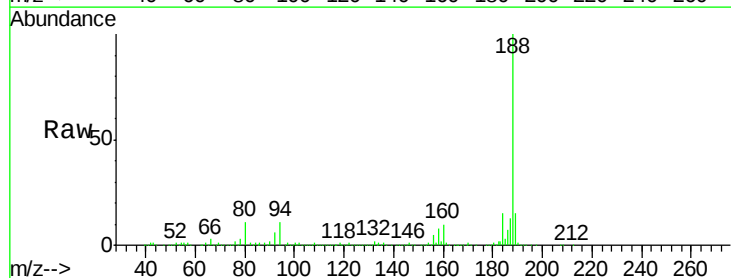
Instrument :
BNA_G
ClientSampleId :
SP-01SOUTH

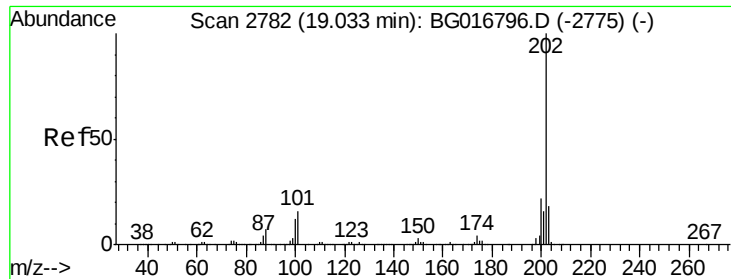
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 359.8 27.8 67.8#
65 0.0 45.4 85.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

Tgt Ion:188 Resp: 268899
Ion Ratio Lower Upper
188 100
94 11.1 9.5 14.3
80 11.3 9.2 13.8





#74

Fluoranthene

Concen: 4.73 ng

RT: 19.03 min Scan# 2781

Delta R.T. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

Instrument :

BNA_G

ClientSampleId :

SP-01SOUTH

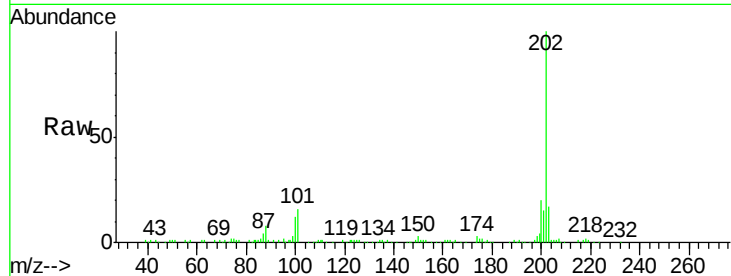
Tgt Ion:202 Resp: 74008

Ion Ratio Lower Upper

202 100

101 16.0 0.0 36.2

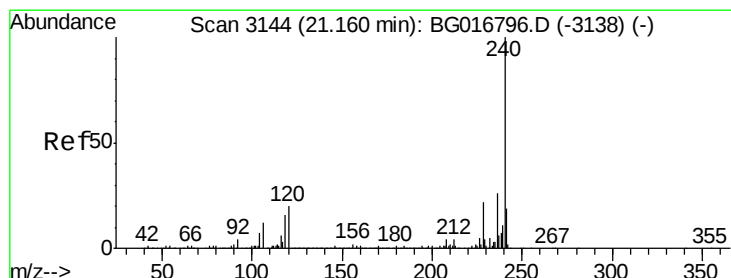
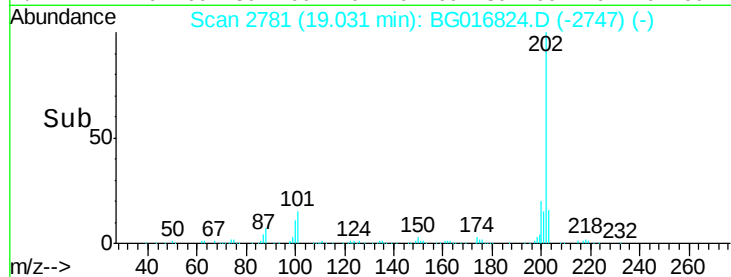
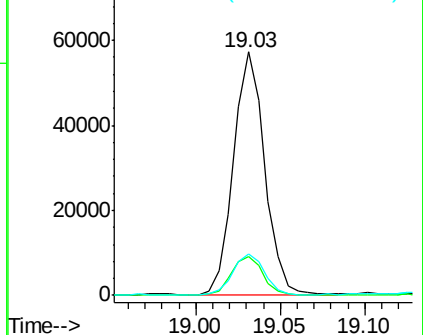
203 17.1 0.0 37.6



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. 0.00 min

Lab File: BG016824.D

Acq: 30 Apr 2015 7:51

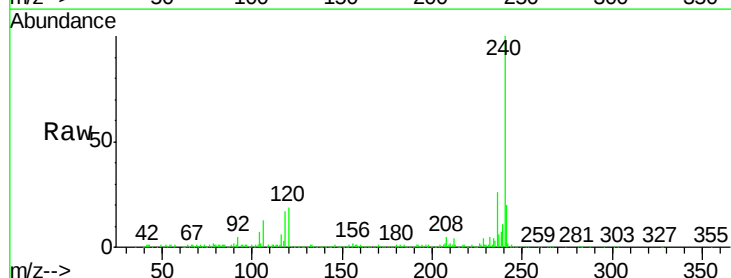
Tgt Ion:240 Resp: 232528

Ion Ratio Lower Upper

240 100

120 19.3 16.1 24.1

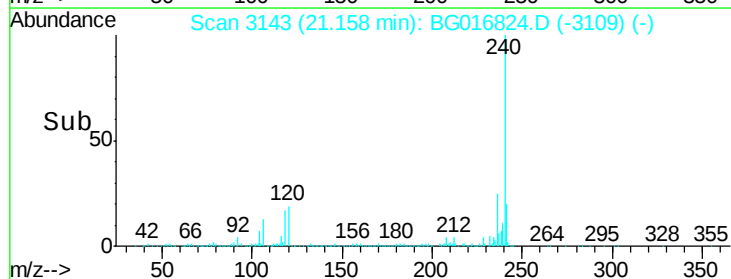
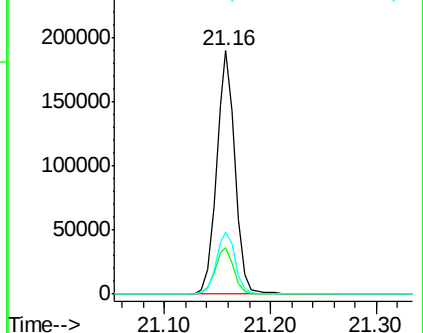
236 25.5 21.0 31.6

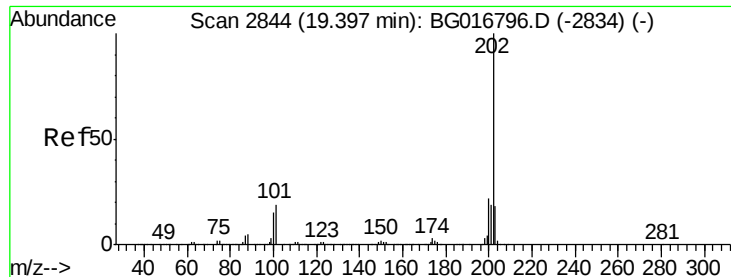


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

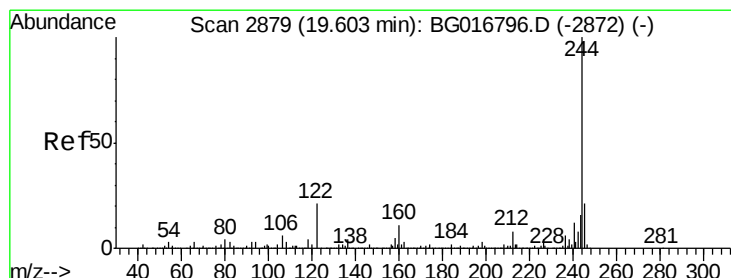
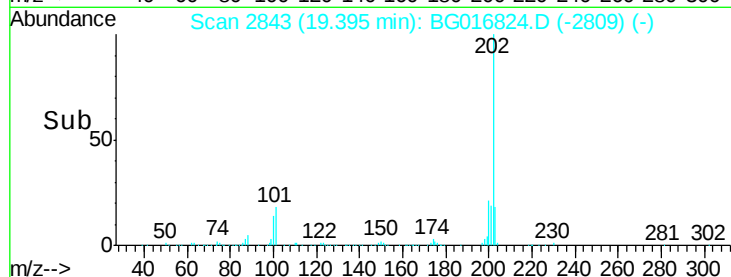
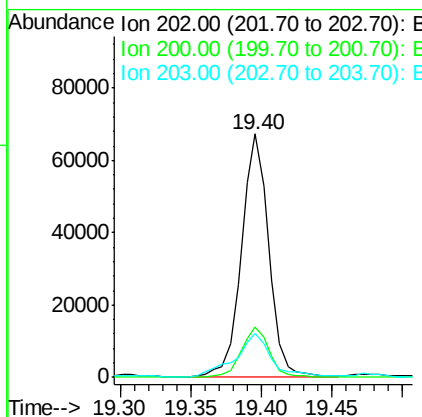
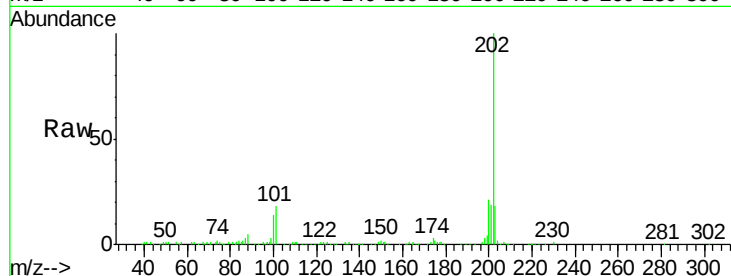




#77
 Pyrene
 Concen: 6.02 ng
 RT: 19.40 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

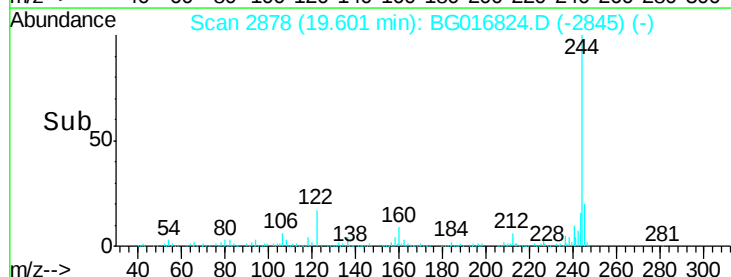
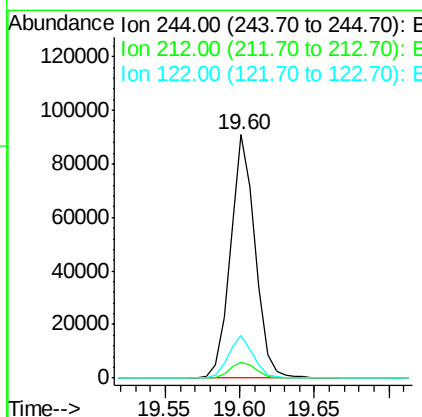
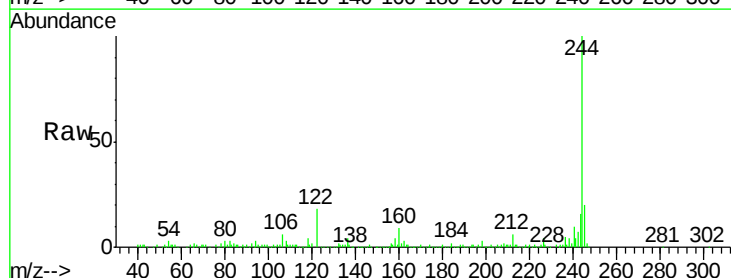
Instrument :
 BNA_G
 ClientSampleId :
 SP-01SOUTH

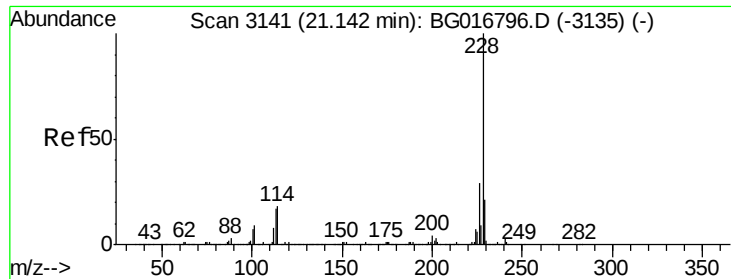
Tgt Ion:202 Resp: 91454
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.3 25.9
 203 18.3 14.6 22.0



#78
 Terphenyl-d14
 Concen: 10.90 ng
 RT: 19.60 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

Tgt Ion:244 Resp: 105066
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.4 9.6
 122 17.6 16.4 24.6

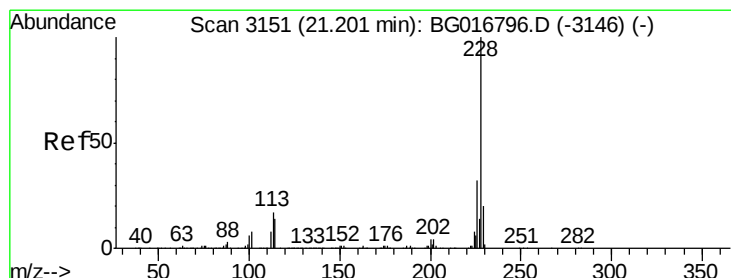
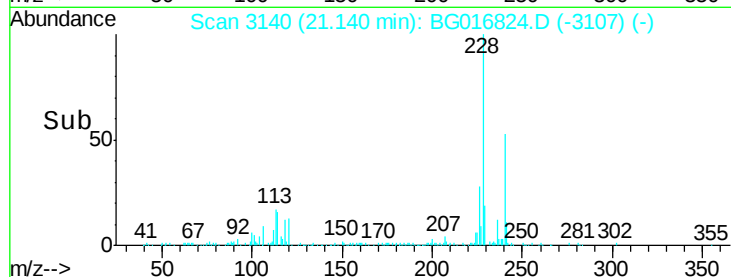
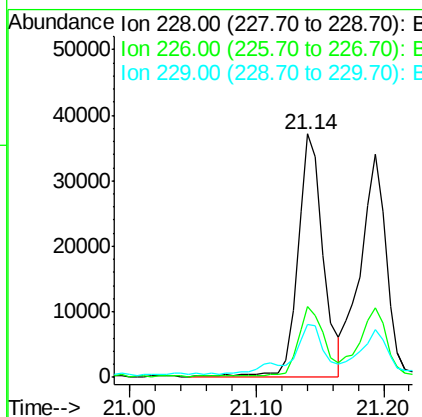
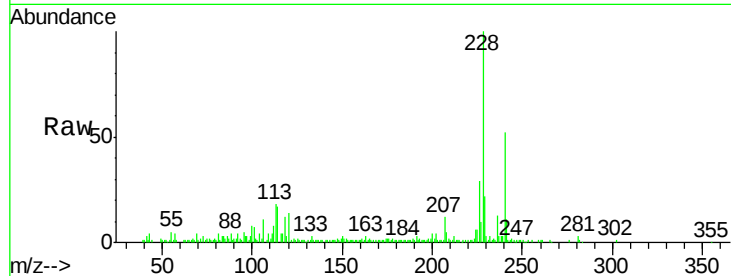




#80
Benzo(a)anthracene
Concen: 3.85 ng
RT: 21.14 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

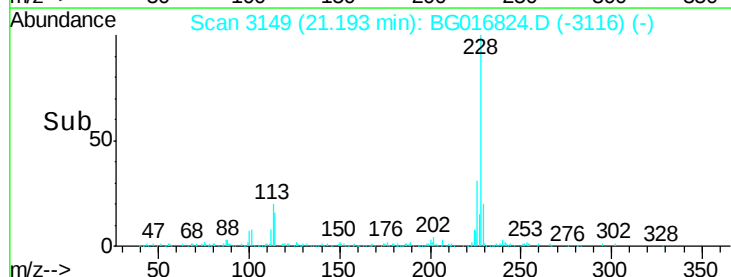
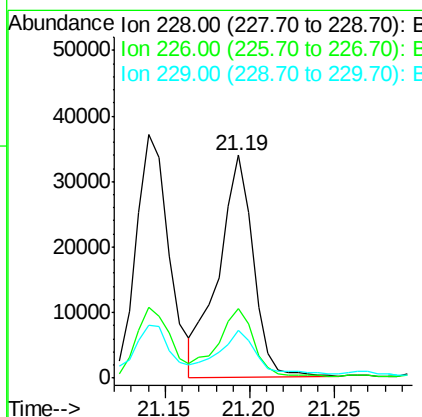
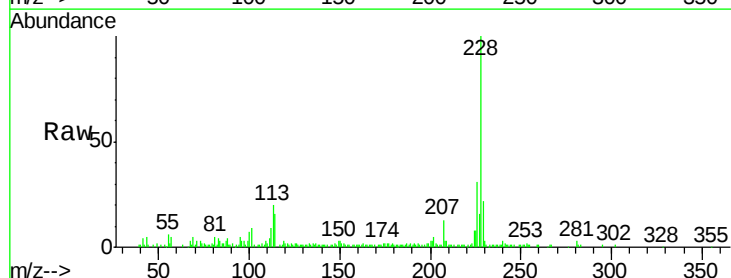
Instrument :
BNA_G
ClientSampleId :
SP-01SOUTH

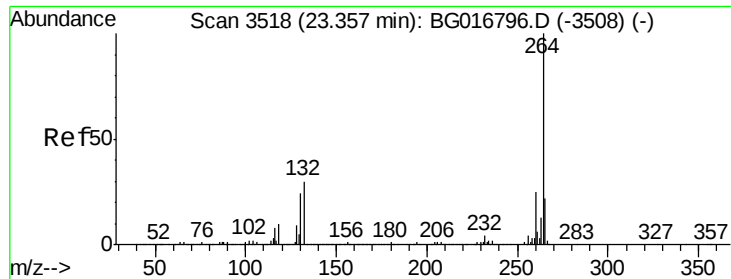
Tgt Ion:228 Resp: 51717
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.0
229 21.7 17.0 25.6



#82
Chrysene
Concen: 3.81 ng
RT: 21.19 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

Tgt Ion:228 Resp: 48366
Ion Ratio Lower Upper
228 100
226 31.2 25.1 37.7
229 21.7 16.1 24.1

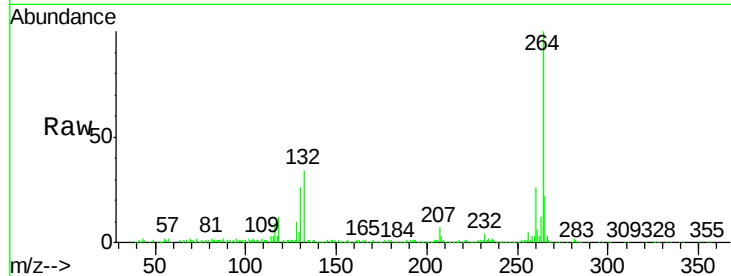




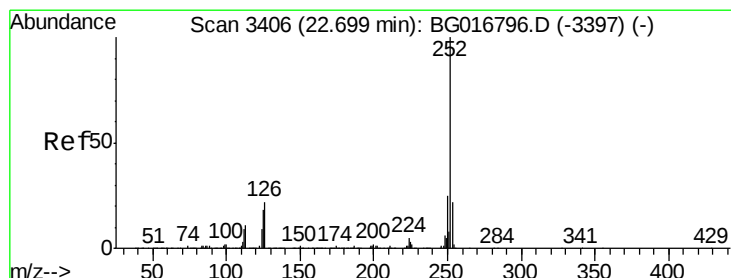
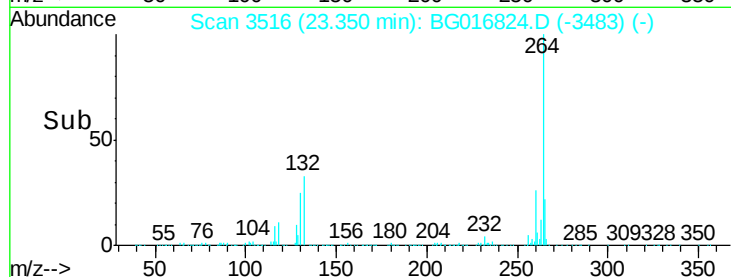
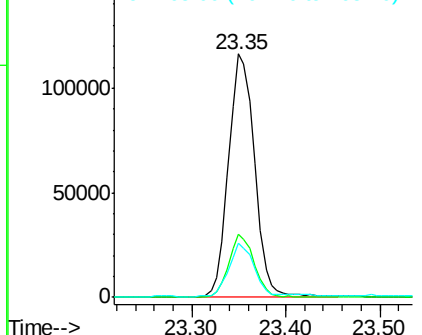
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 3516
Delta R.T. -0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

Instrument :
BNA_G
ClientSampleId :
SP-01SOUTH

Tgt Ion:264 Resp: 225804
Ion Ratio Lower Upper
264 100
260 25.7 19.7 29.5
265 22.2 17.4 26.2

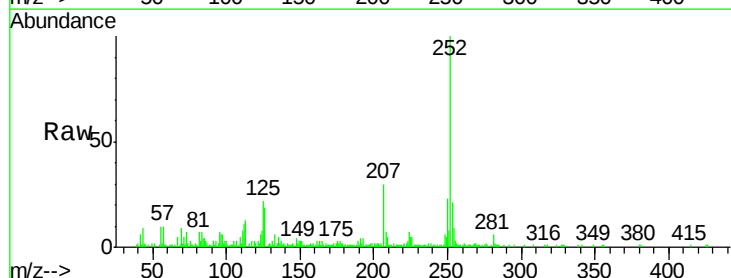


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

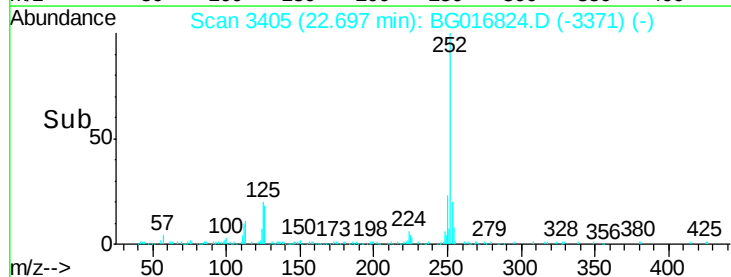
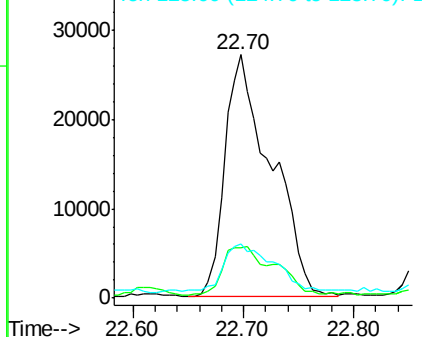


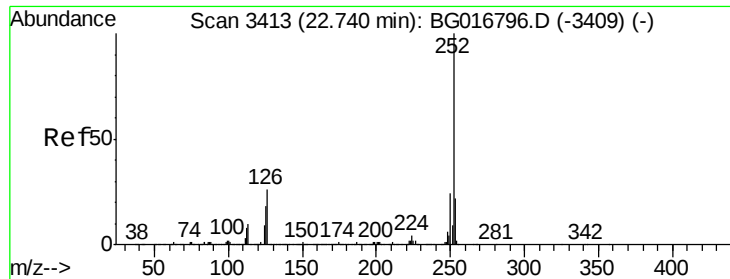
#87
Benzo(b)fluoranthene
Concen: 6.15 ng
RT: 22.70 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

Tgt Ion:252 Resp: 79081
Ion Ratio Lower Upper
252 100
253 20.9 18.0 27.0
125 22.3 14.2 21.2#



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

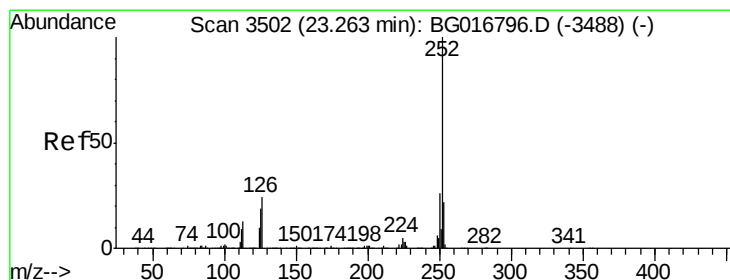
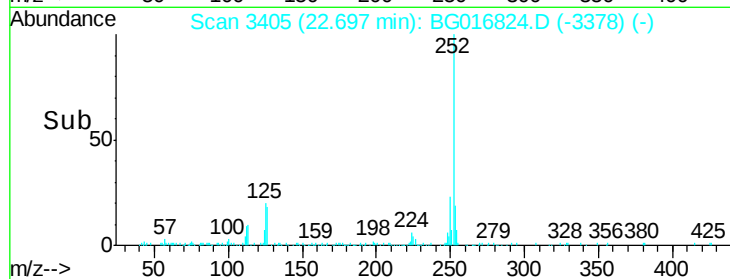
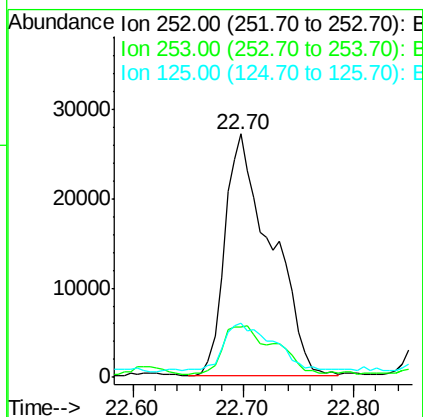
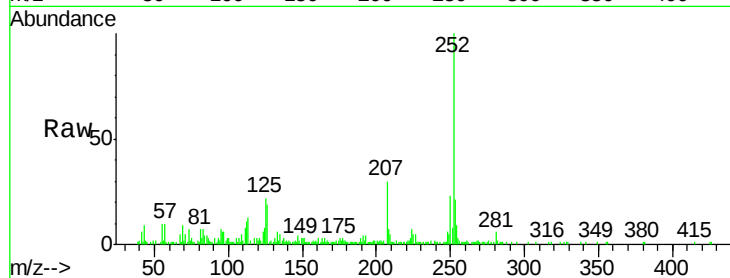




#88
Benzo(k)fluoranthene
Concen: 6.28 ng
RT: 22.70 min Scan# 3405
Delta R.T. -0.04 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

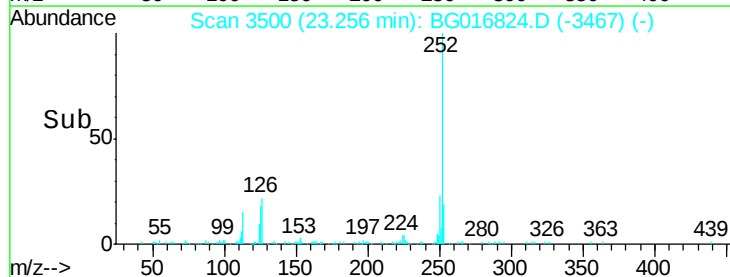
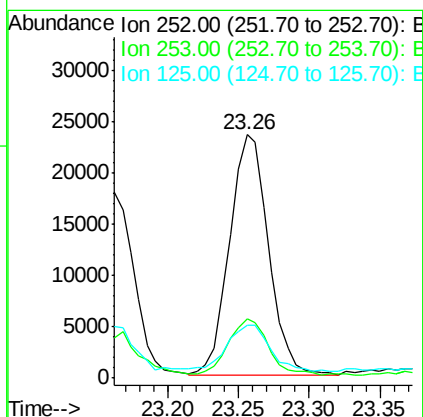
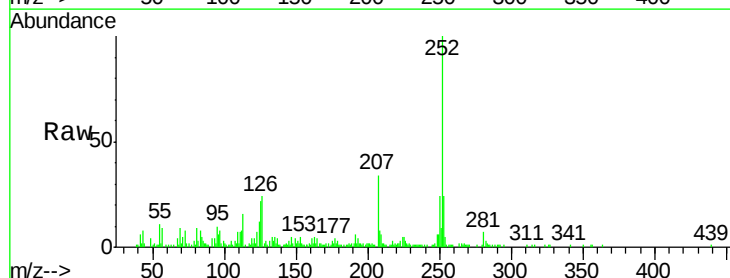
Instrument :
BNA_G
ClientSampleId :
SP-01SOUTH

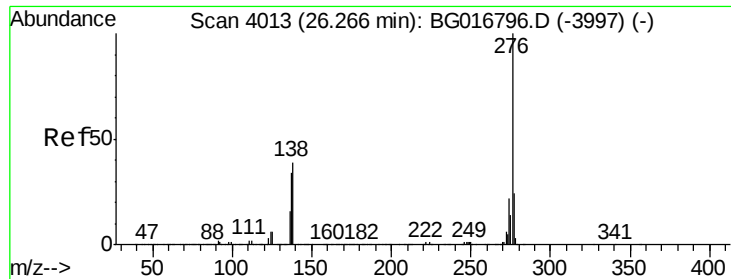
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.7	26.5
125	22.3	14.5	21.7#



#89
Benzo(a)pyrene
Concen: 3.70 ng
RT: 23.26 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BG016824.D
Acq: 30 Apr 2015 7:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	22.0	15.0	22.4





#91
 Benzo(g,h,i)perylene
 Concen: 2.14 ng
 RT: 26.26 min Scan# 4012
 Delta R.T. 0.00 min
 Lab File: BG016824.D
 Acq: 30 Apr 2015 7:51

Instrument :
 BNA_G
 ClientSampleId :
 SP-01SOUTH

Tgt Ion:	276	Resp:	26362
Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	38.2	31.0	46.4

