

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017558.D
 Acq On : 9 Jun 2015 4:18
 Operator : TP/IZ
 Sample : G2450-34
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.2(3)

Quant Time: Jun 09 06:22:35 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

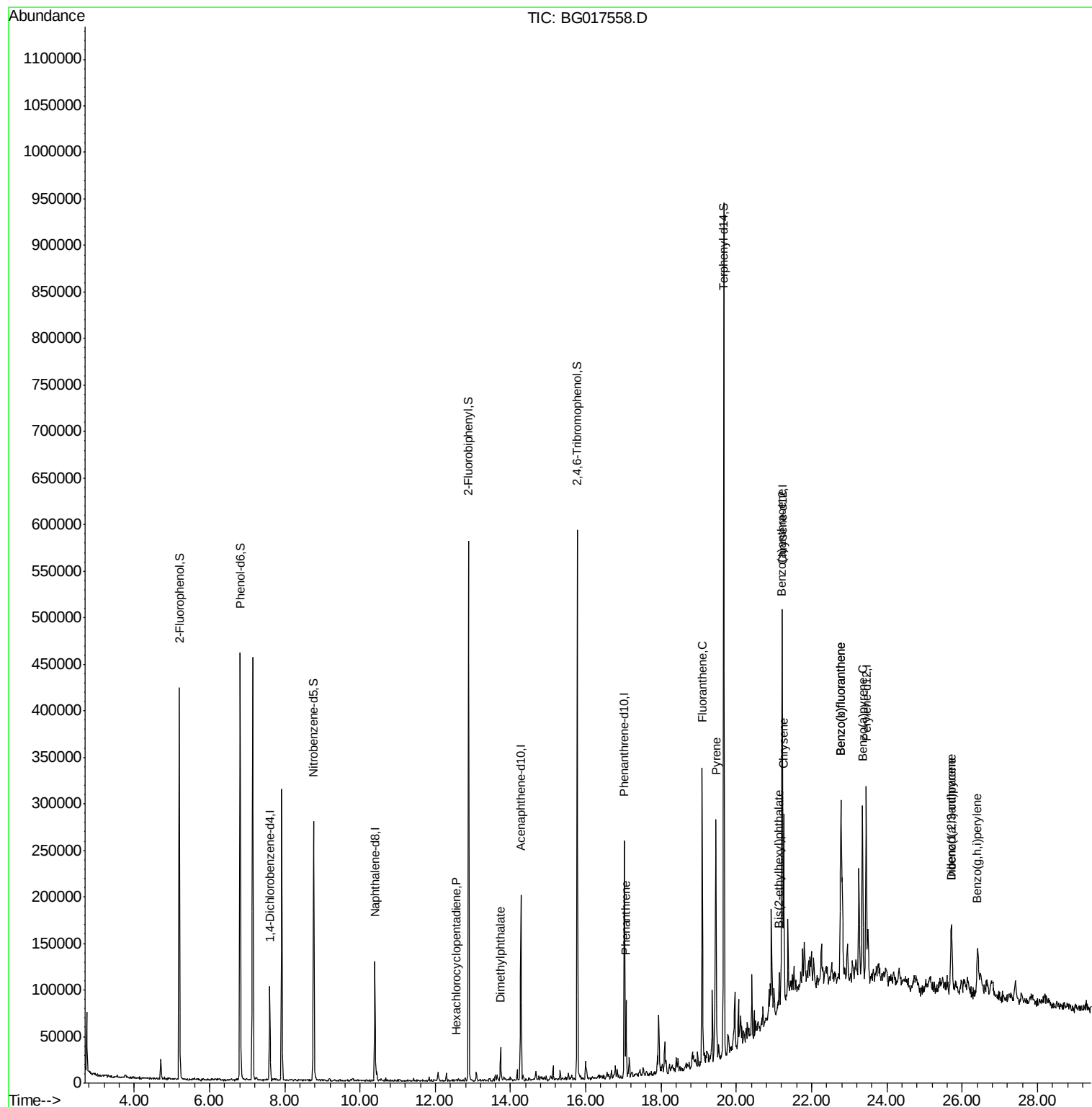
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	21750	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	91800	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	59621	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	125504	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	144750	20.00	ng	-0.02
86) Perylene-d12	23.44	264	146792	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	136077	110.22	ng	0.00
7) Phenol-d6	6.82	99	182301	108.39	ng	0.00
23) Nitrobenzene-d5	8.77	82	133640	72.67	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	79339	95.81	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	243644	61.64	ng	-0.01
78) Terphenyl-d14	19.66	244	348509	49.76	ng	-0.02
Target Compounds						Qvalue
40) Hexachlorocyclopentadiene	12.56	237	73	6.87	ng	# 27
49) Dimethylphthalate	13.73	163	20662	3.98	ng	# 96
70) Phenanthrene	17.06	178	44355	6.34	ng	97
74) Fluoranthene	19.09	202	162322	17.74	ng	96
77) Pyrene	19.45	202	149890	16.81	ng	97
80) Benzo(a)anthracene	21.20	228	116133	13.04	ng	97
82) Chrysene	21.25	228	99065	12.29	ng	97
83) Bis(2-ethylhexyl)phthalate	21.13	149	11851	2.13	ng	# 92
85) Indeno(1,2,3-cd)pyrene	25.71	276	69578	6.87	ng	# 88
87) Benzo(b)fluoranthene	22.77	252	159347	17.13	ng	98
88) Benzo(k)fluoranthene	22.77	252	159347	17.90	ng	98
89) Benzo(a)pyrene	23.35	252	119243	13.98	ng	99
90) Dibenzo(a,h)anthracene	25.71	278	18860	2.13	ng	# 65
91) Benzo(g,h,i)perylene	26.40	276	62922	7.46	ng	# 93

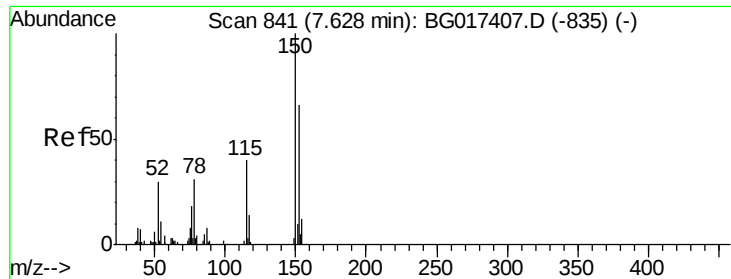
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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AVE-E-NBS13.2(3)

Quant Time: Jun 09 06:22:35 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration



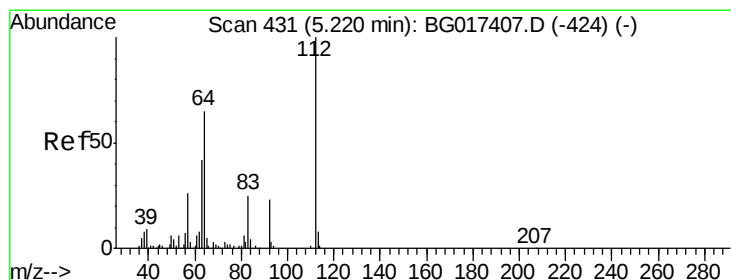
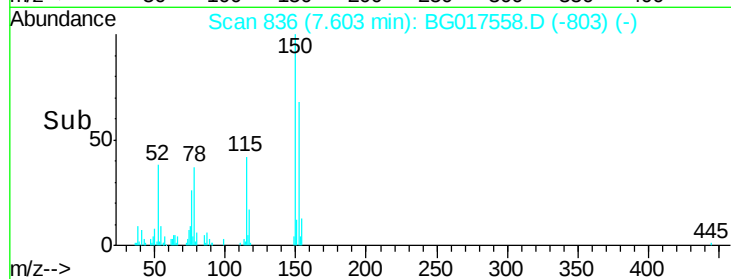
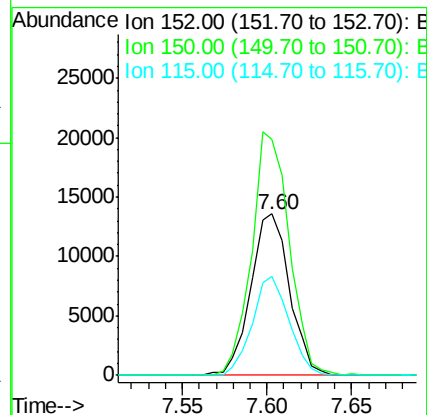
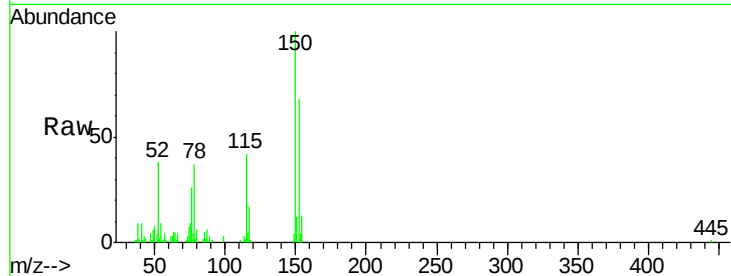


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.2(3)

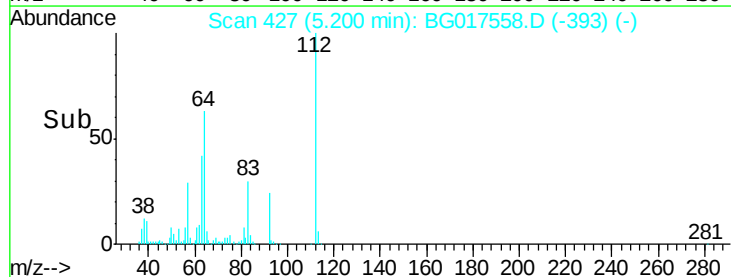
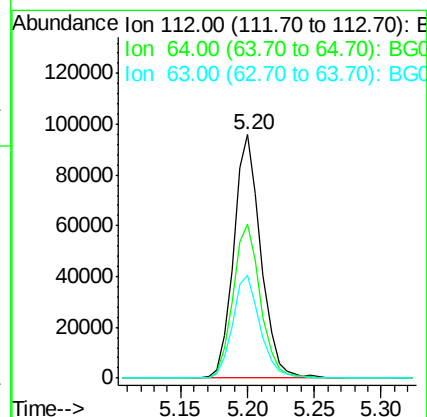
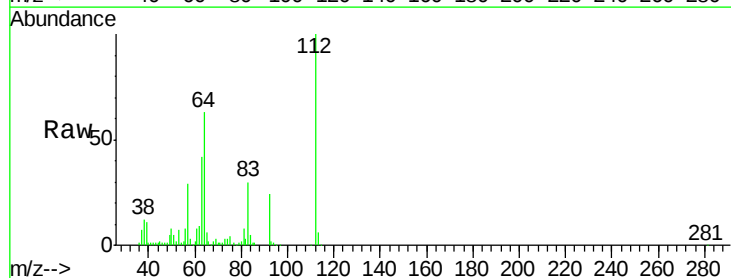
Tgt Ion:152 Resp: 21750
Ion Ratio Lower Upper
152 100
150 146.2 121.7 182.5
115 61.4 48.6 73.0



#5

2-Fluorophenol
Concen: 110.22 ng
RT: 5.20 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion:112 Resp: 136077
Ion Ratio Lower Upper
112 100
64 63.2 51.6 77.4
63 42.1 33.3 49.9





#7

Phenol-d6

Concen: 108.39 ng

RT: 6.82 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

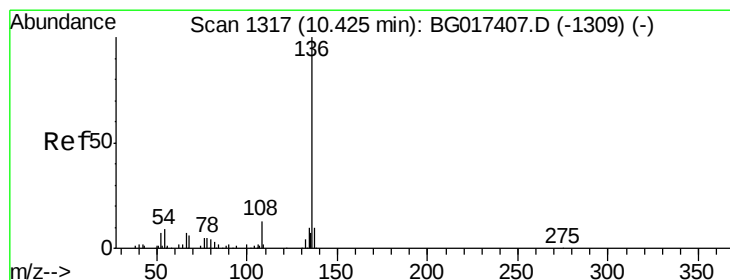
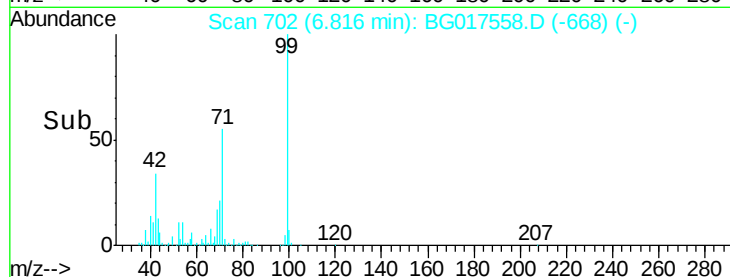
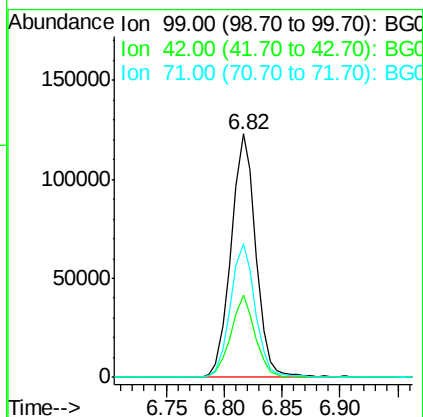
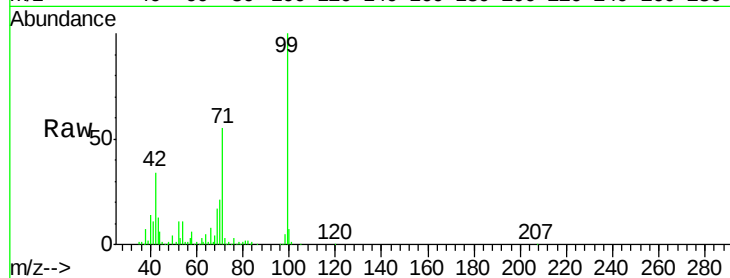
Tgt Ion: 99 Resp: 182301

Ion Ratio Lower Upper

99 100

42 33.9 21.0 31.6#

71 55.0 37.2 55.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.40 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Tgt Ion: 136 Resp: 91800

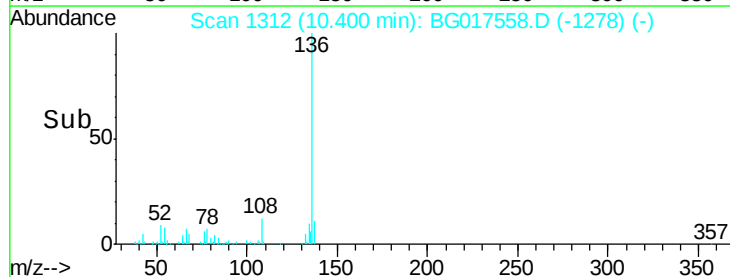
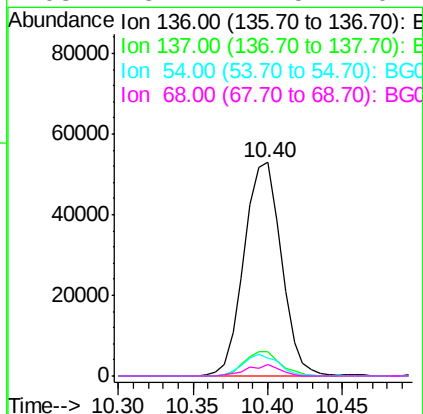
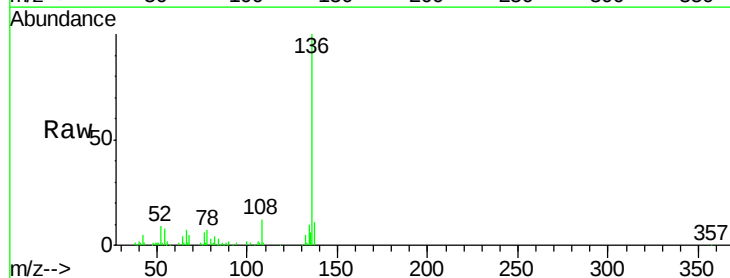
Ion Ratio Lower Upper

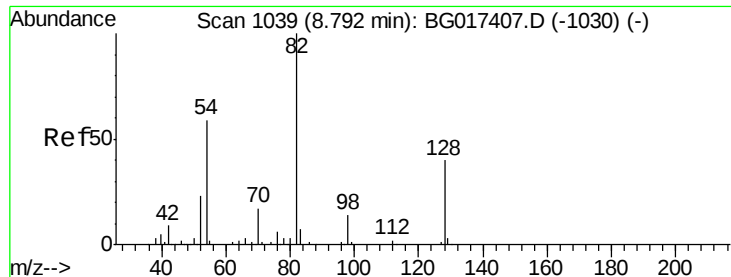
136 100

137 11.2 7.9 11.9

54 8.3 7.2 10.8

68 5.1 4.5 6.7

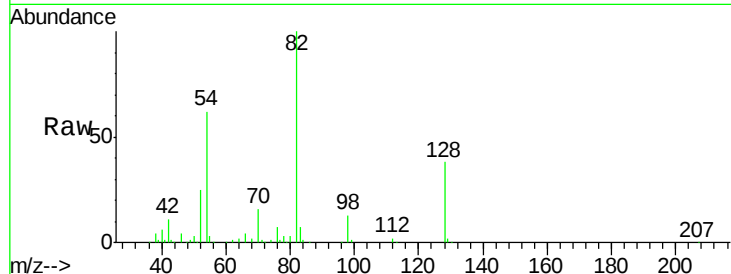




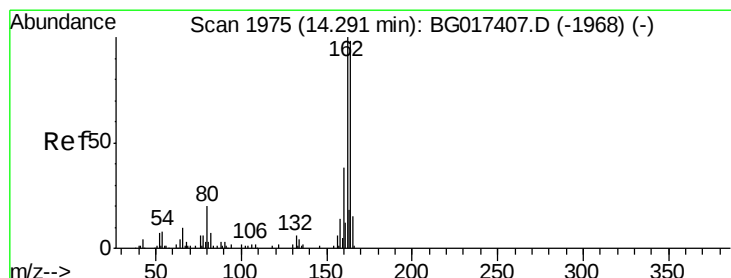
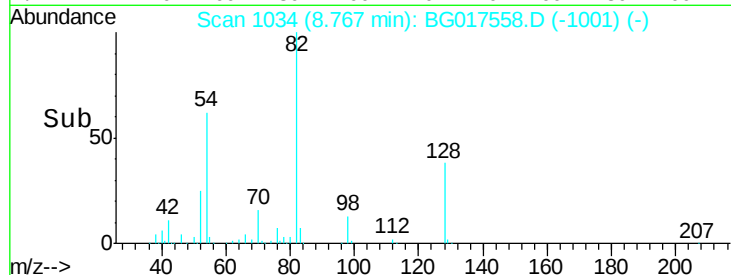
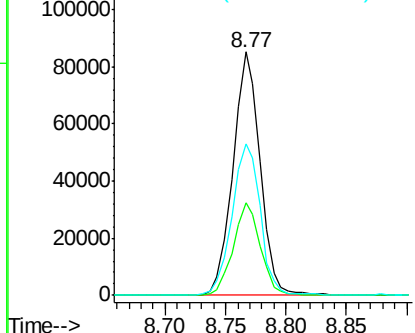
#23
Nitrobenzene-d5
Concen: 72.67 ng
RT: 8.77 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.2(3)

Tgt Ion: 82 Resp: 133640
Ion Ratio Lower Upper
82 100
128 38.1 32.2 48.4
54 62.0 47.4 71.2

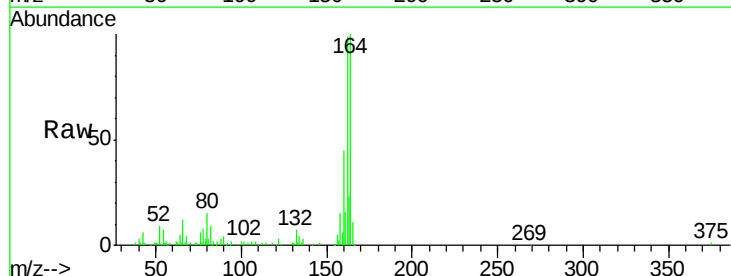


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

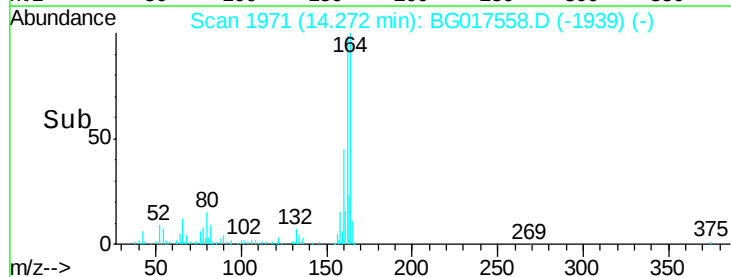
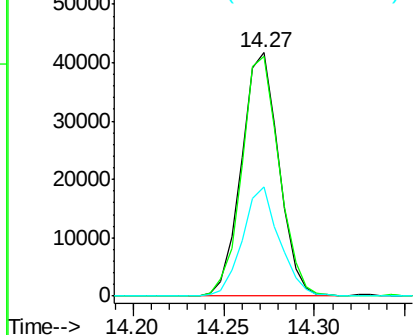


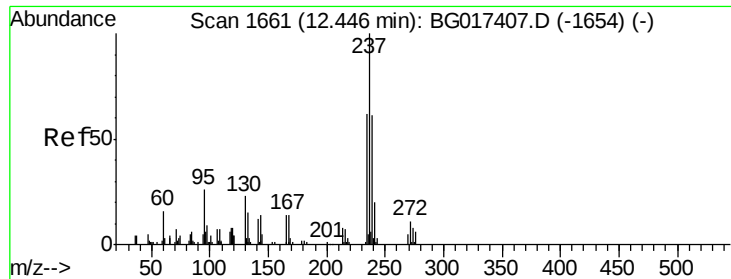
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion: 164 Resp: 59621
Ion Ratio Lower Upper
164 100
162 98.7 81.8 122.6
160 45.1 31.0 46.4



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#40

Hexachlorocyclopentadiene

Concen: 6.87 ng

RT: 12.56 min Scan# 1679

Delta R.T. 0.13 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

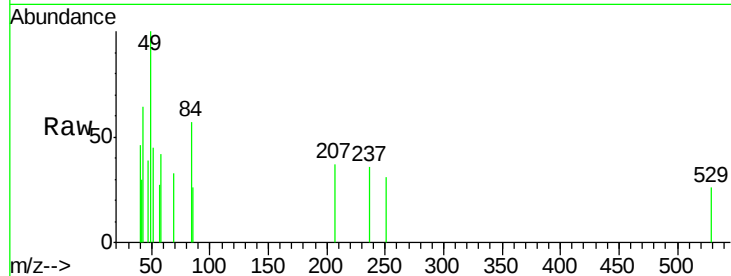
Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

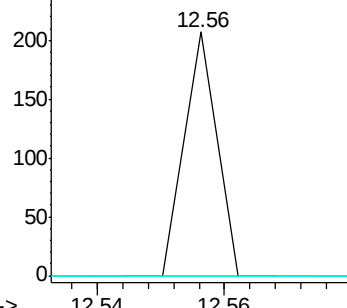
Tgt Ion:	237	Resp:	73
Ion Ratio	Lower	Upper	
237	100		
235	0.0	42.3	82.3#
272	0.0	0.0	31.2



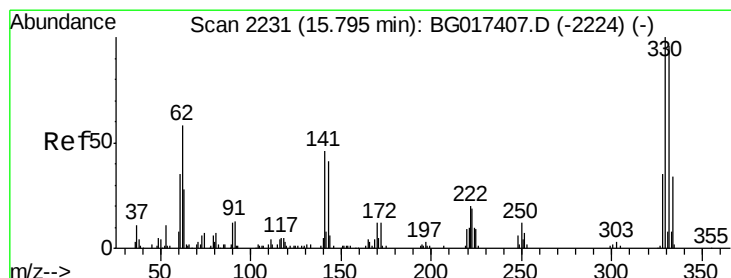
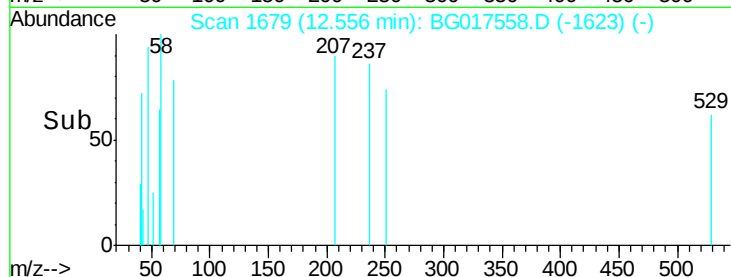
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 95.81 ng

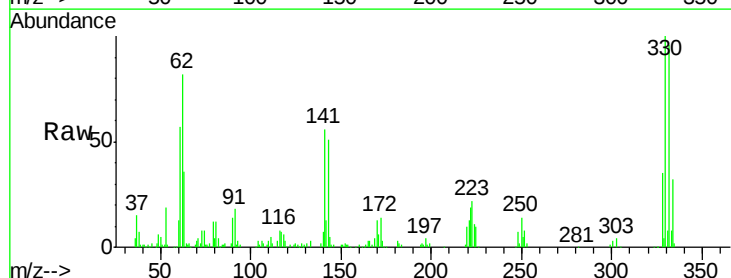
RT: 15.77 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

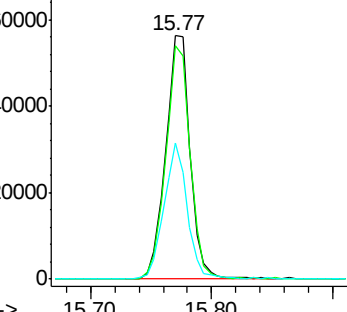
Tgt Ion:	330	Resp:	79339
Ion Ratio	Lower	Upper	
330	100		
332	95.3	75.9	113.9
141	53.2	40.2	60.4



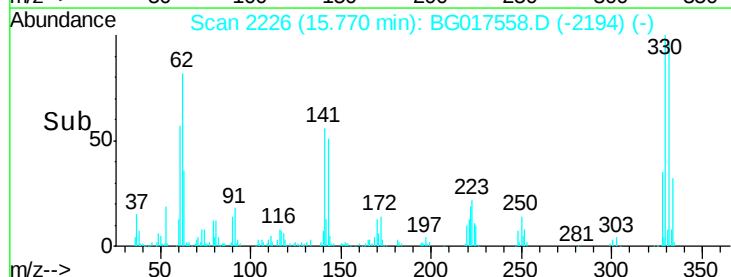
Abundance Ion 329.80 (329.50 to 330.50): E

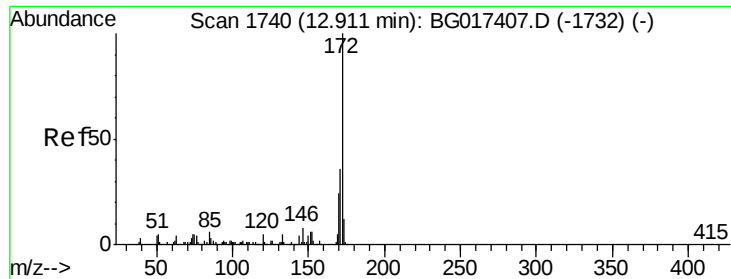
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

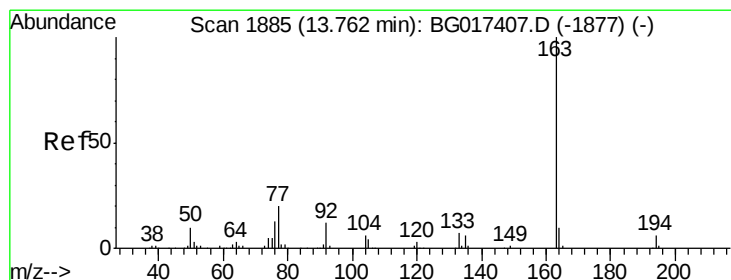
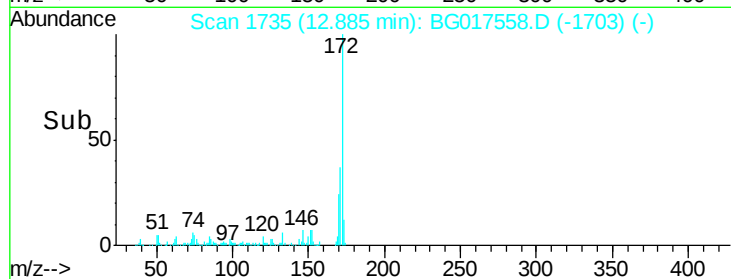
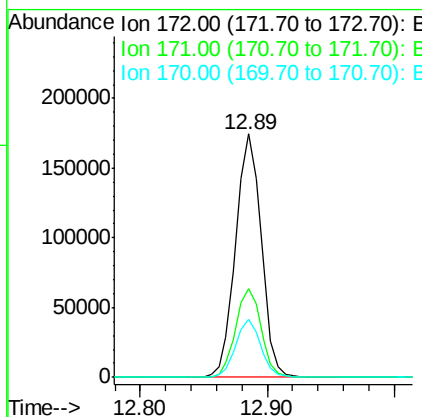
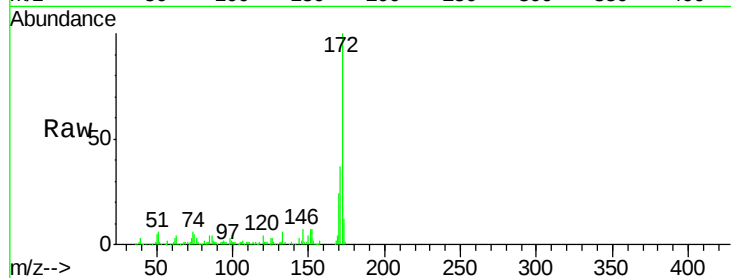




#44
2-Fluorobiphenyl
Concen: 61.64 ng
RT: 12.89 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

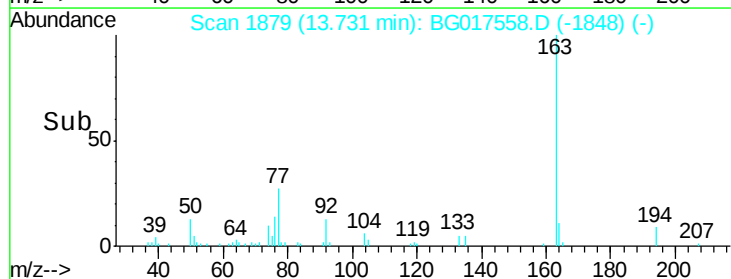
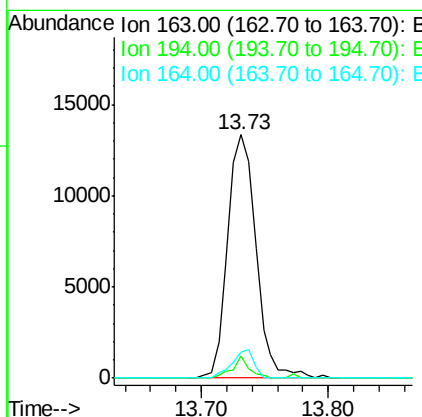
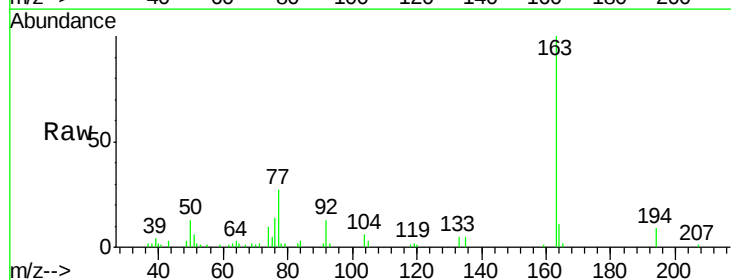
Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.2(3)

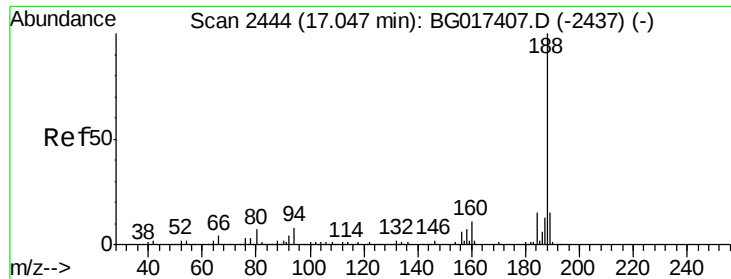
Tgt Ion:172 Resp: 243644
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 23.8 18.9 28.3



#49
Dimethylphthalate
Concen: 3.98 ng
RT: 13.73 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion:163 Resp: 20662
Ion Ratio Lower Upper
163 100
194 9.0 4.9 7.3#
164 10.6 8.2 12.2

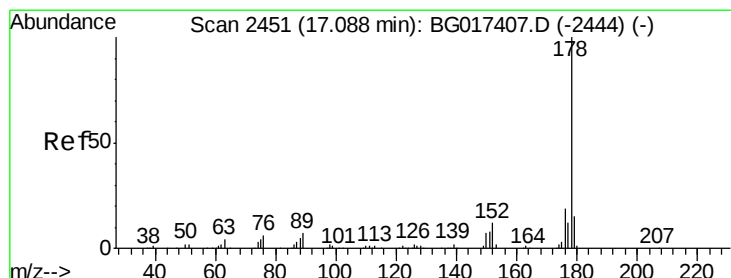
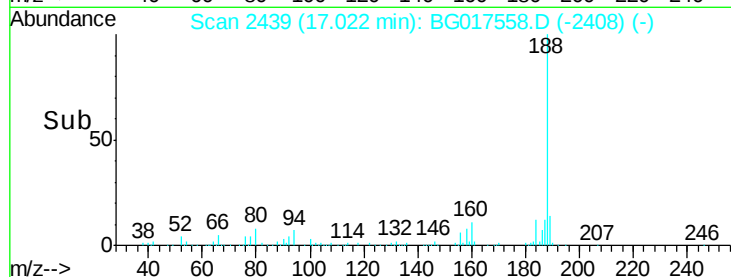
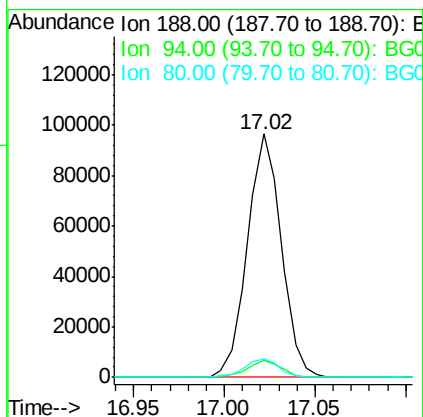
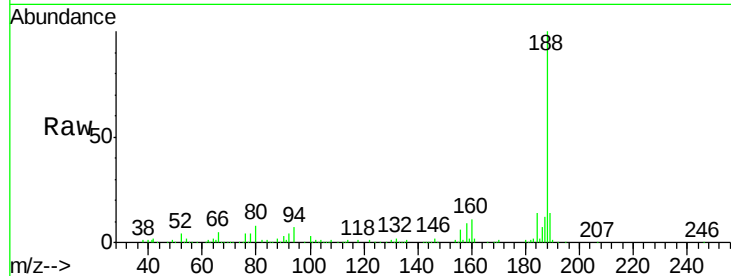




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

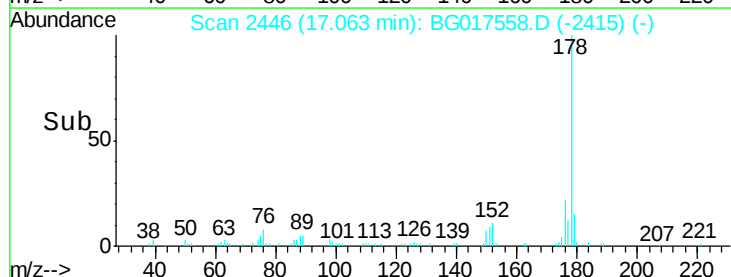
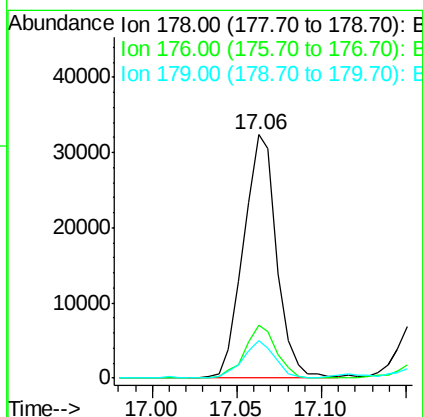
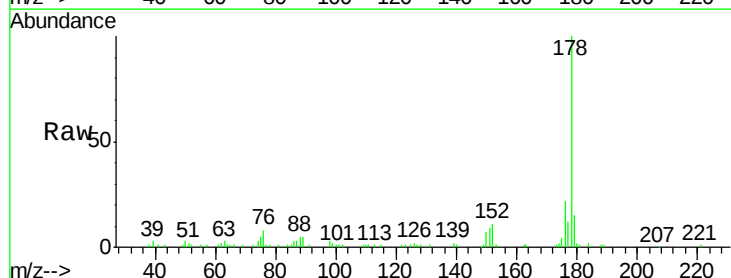
Instrument :
BNA_G
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AVE-E-NBS13.2(3)

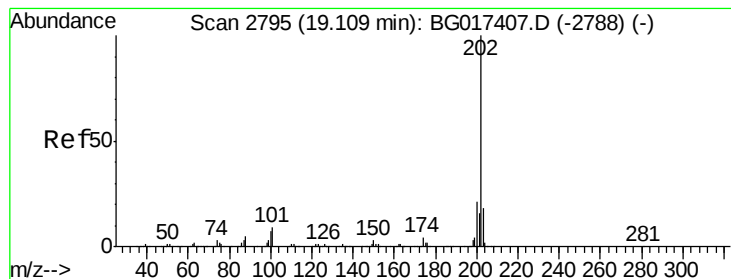
Tgt Ion:188 Resp: 125504
Ion Ratio Lower Upper
188 100
94 7.0 6.3 9.5
80 7.5 5.2 7.8



#70
Phenanthrene
Concen: 6.34 ng
RT: 17.06 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion:178 Resp: 44355
Ion Ratio Lower Upper
178 100
176 21.9 15.6 23.4
179 15.4 12.2 18.2





#74

Fluoranthene

Concen: 17.74 ng

RT: 19.09 min Scan# 2791

Delta R.T. -0.02 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

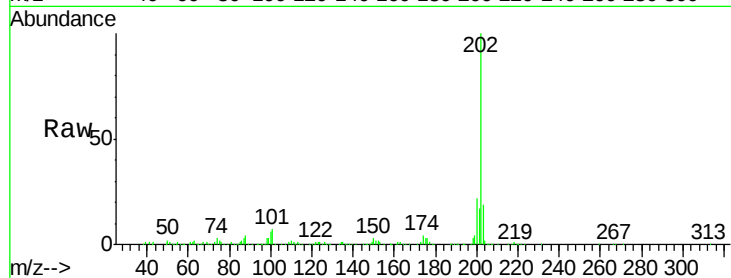
Tgt Ion:202 Resp: 162322

Ion Ratio Lower Upper

202 100

101 6.9 0.0 28.8

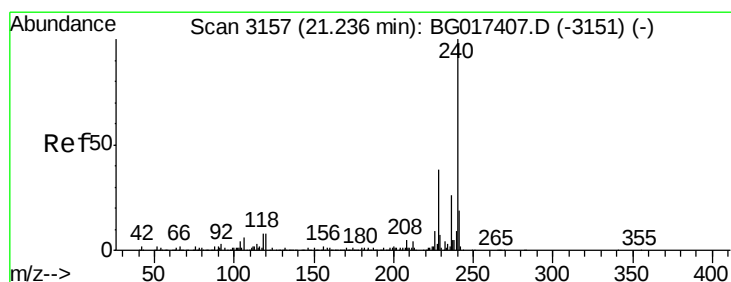
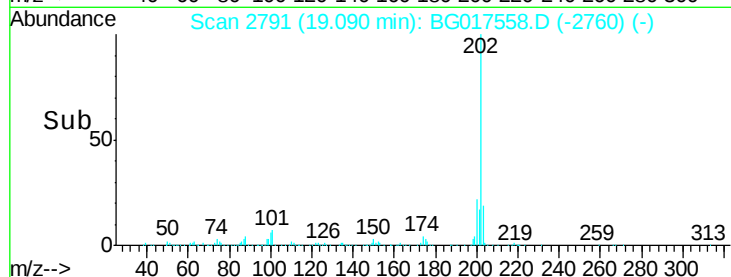
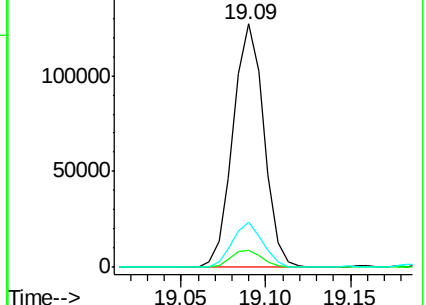
203 18.8 0.0 37.6



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: 21.22 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

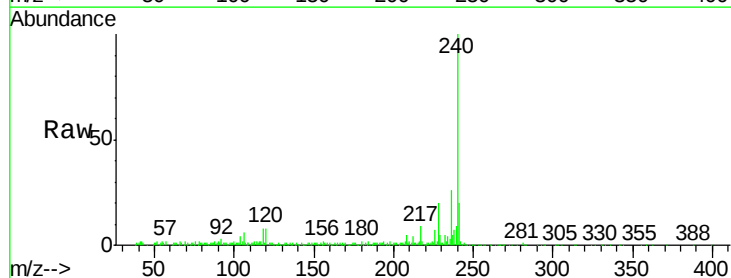
Tgt Ion:240 Resp: 144750

Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

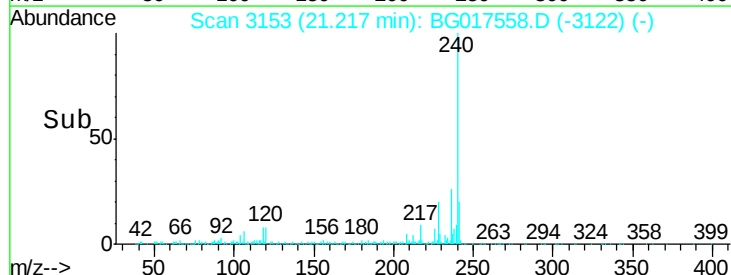
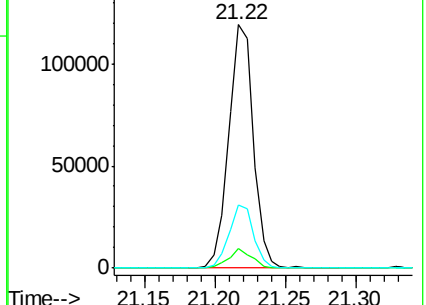
236 25.9 20.8 31.2

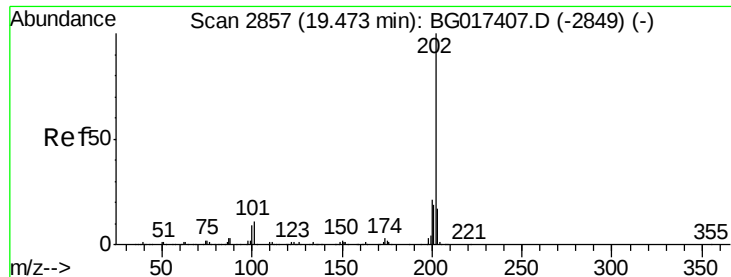


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

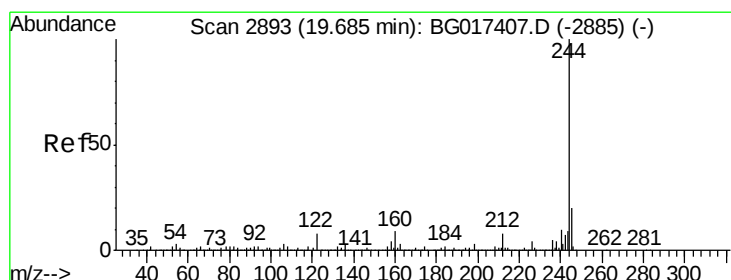
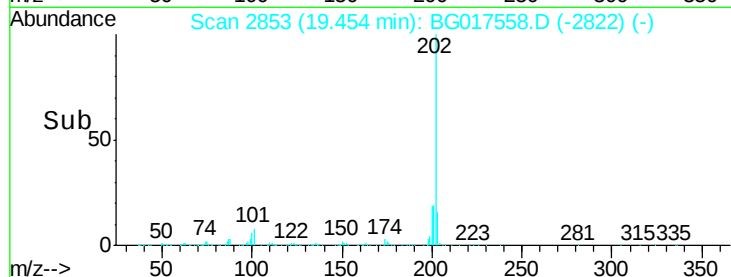
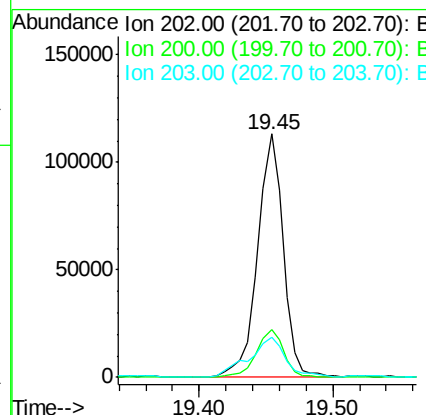
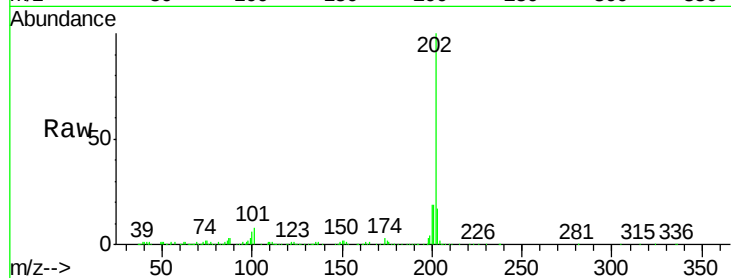




#77
 Pyrene
 Concen: 16.81 ng
 RT: 19.45 min Scan# 2853
 Delta R.T. -0.02 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

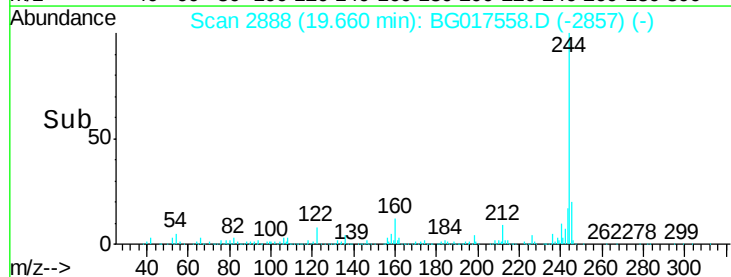
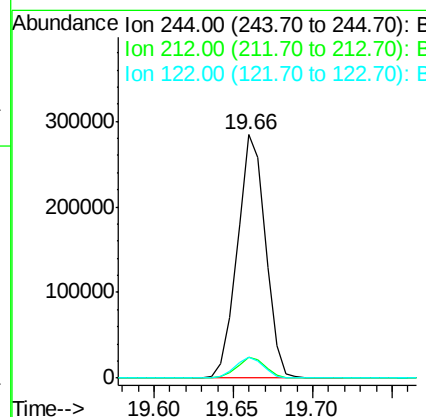
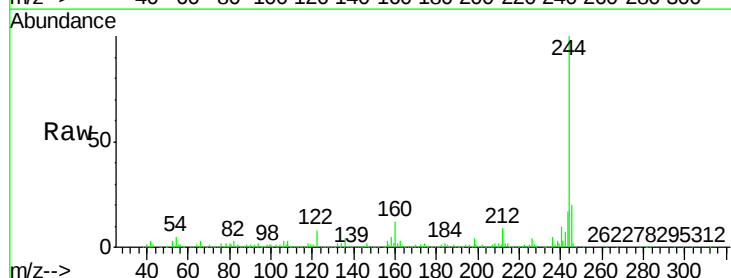
Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.2(3)

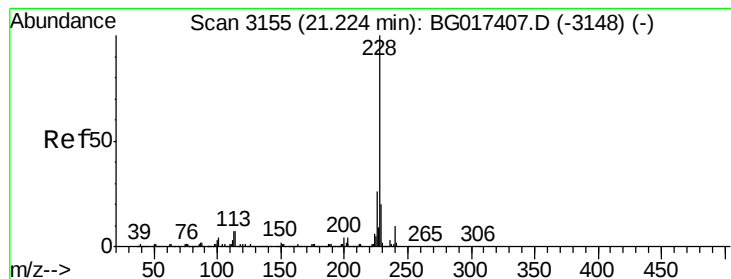
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.0	25.4
203	16.6	13.9	20.9



#78
 Terphenyl-d14
 Concen: 49.76 ng
 RT: 19.66 min Scan# 2888
 Delta R.T. -0.02 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.4	9.6
122	8.3	6.6	10.0





#80

Benzo(a)anthracene

Concen: 13.04 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

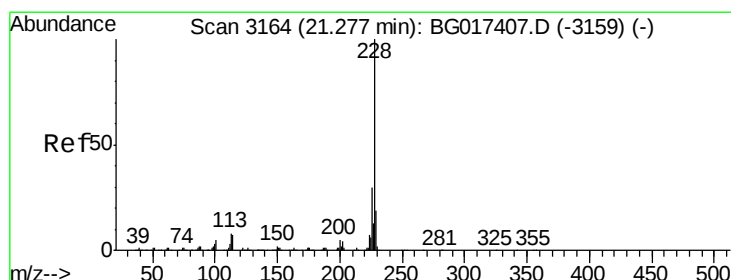
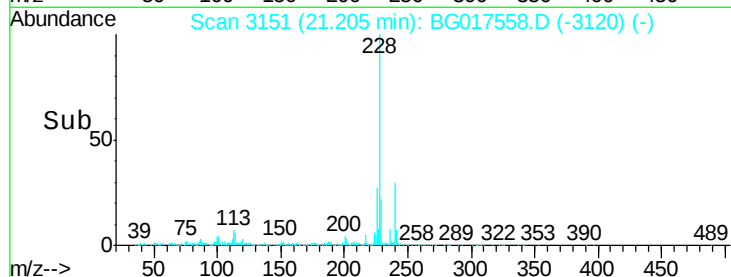
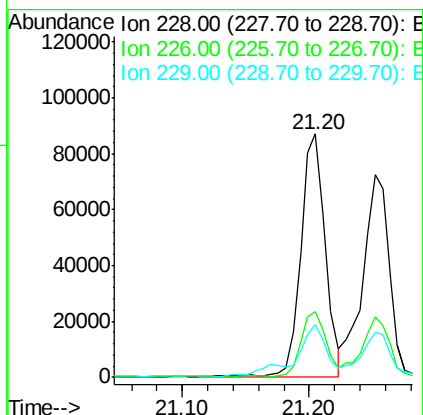
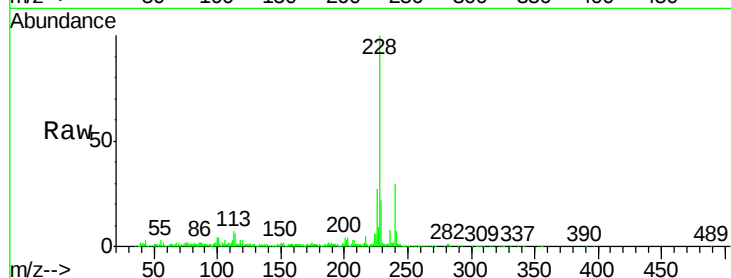
Tgt Ion:228 Resp: 116133

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.6

229 22.0 15.7 23.5



#82

Chrysene

Concen: 12.29 ng

RT: 21.25 min Scan# 3159

Delta R.T. -0.03 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

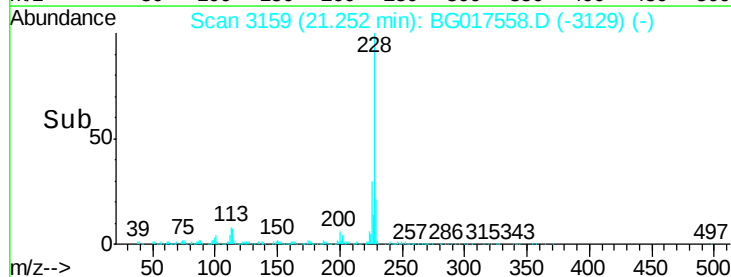
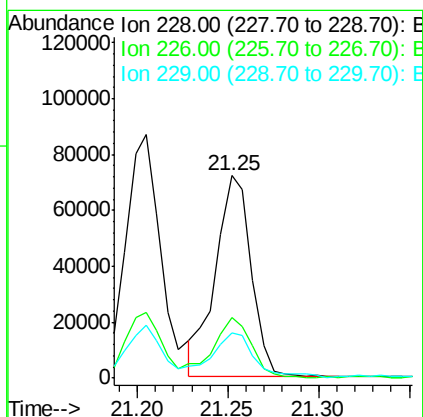
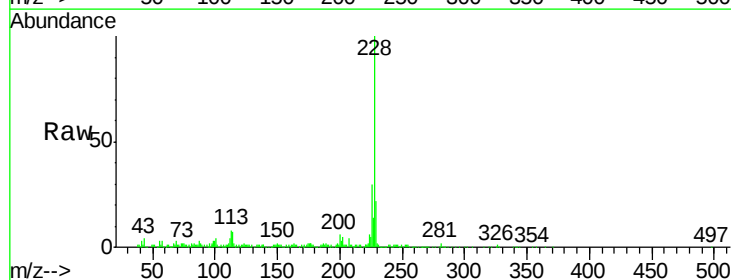
Tgt Ion:228 Resp: 99065

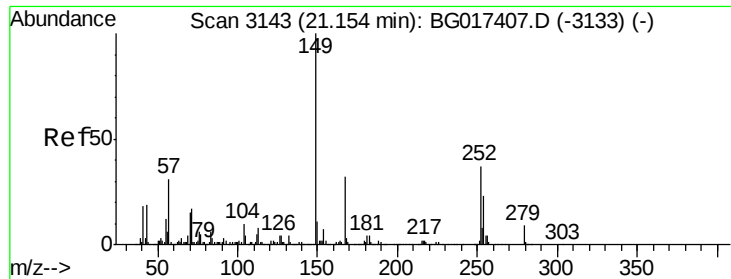
Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 22.0 15.2 22.8

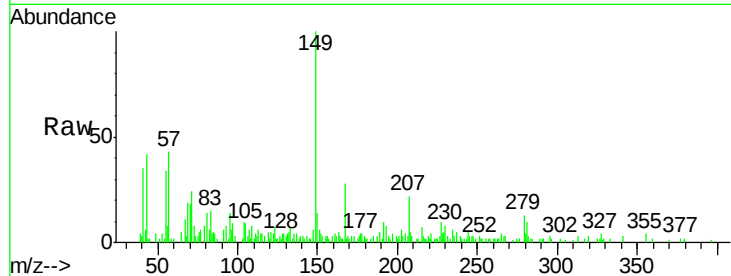




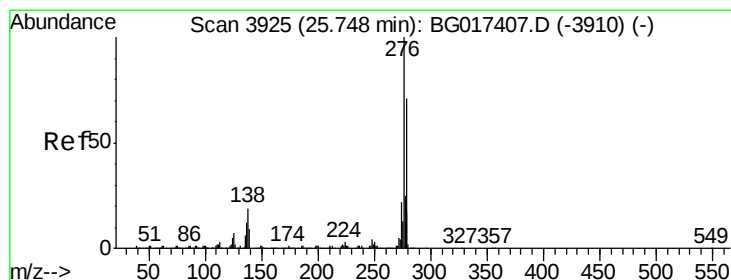
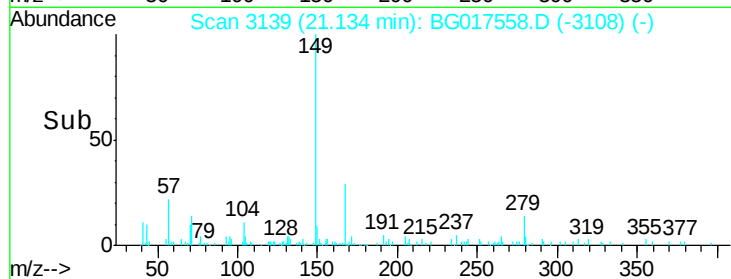
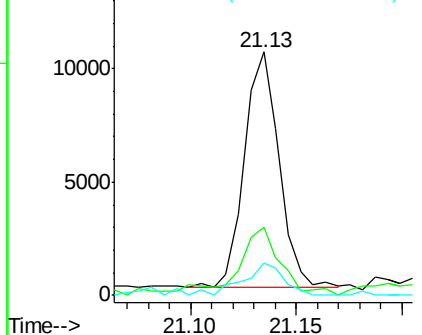
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.13 ng
 RT: 21.13 min Scan# 3139
 Delta R.T. -0.02 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.2(3)

Tgt Ion:149 Resp: 11851
 Ion Ratio Lower Upper
 149 100
 167 27.8 25.4 38.2
 279 13.5 7.1 10.7#

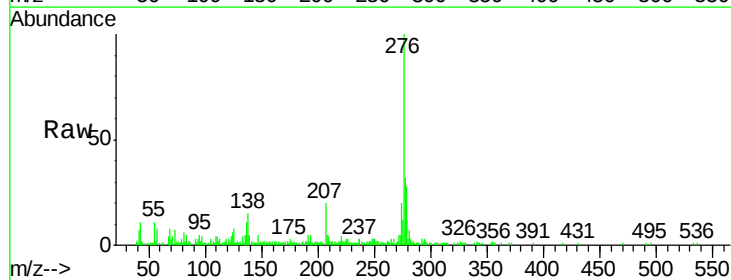


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

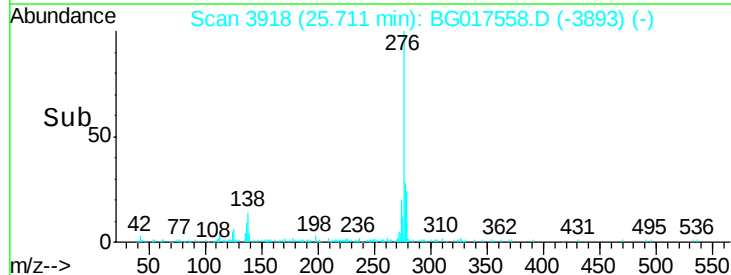
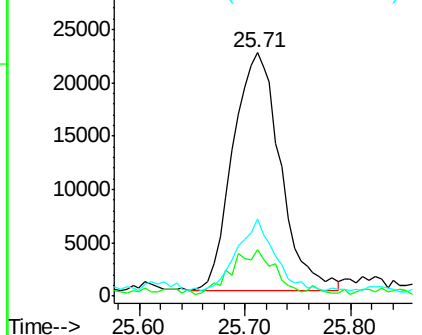


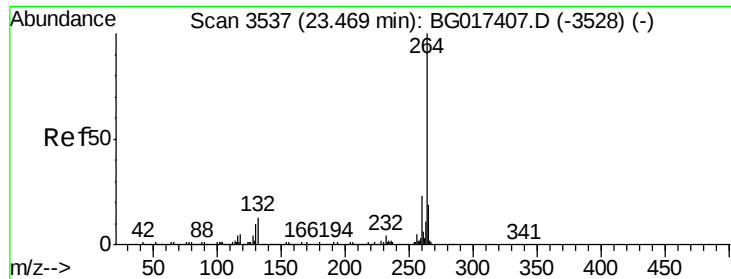
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.87 ng
 RT: 25.71 min Scan# 3918
 Delta R.T. -0.06 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

Tgt Ion:276 Resp: 69578
 Ion Ratio Lower Upper
 276 100
 138 8.6 15.4 23.0#
 277 24.1 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

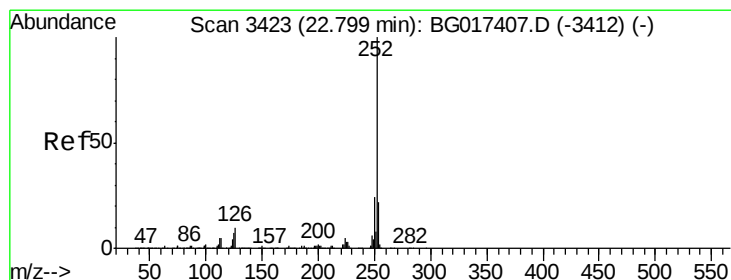
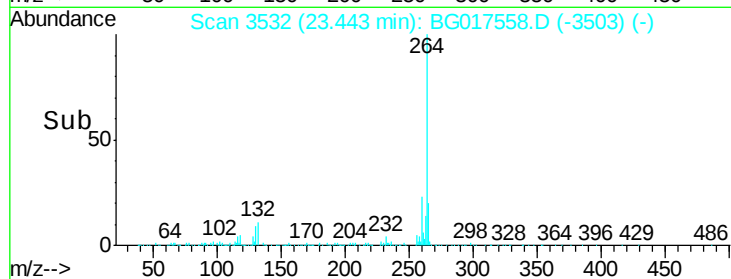
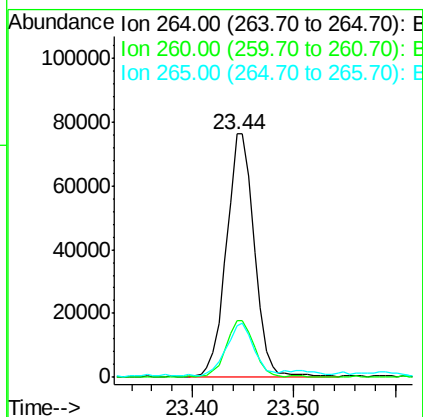
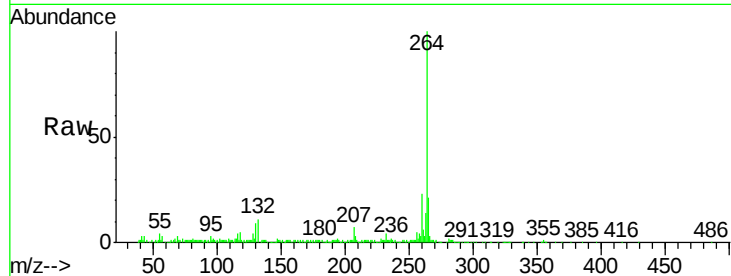




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.44 min Scan# 3532
Delta R.T. -0.03 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

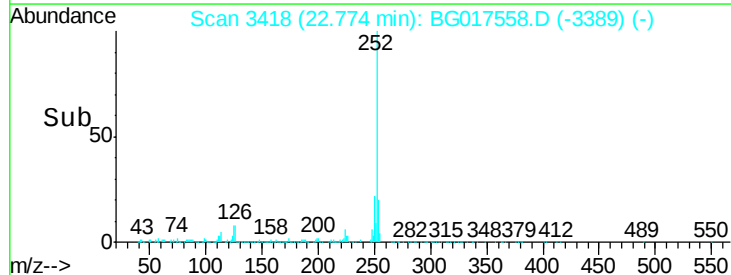
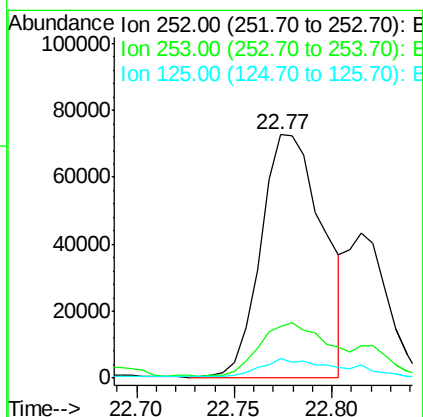
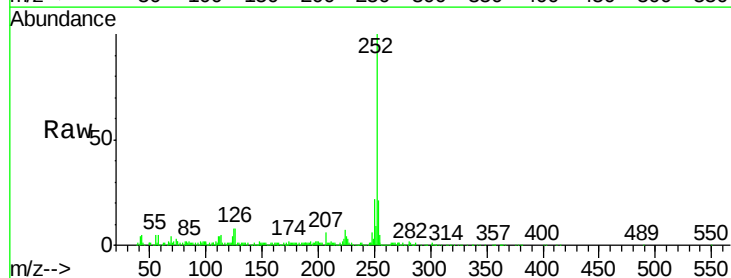
Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.2(3)

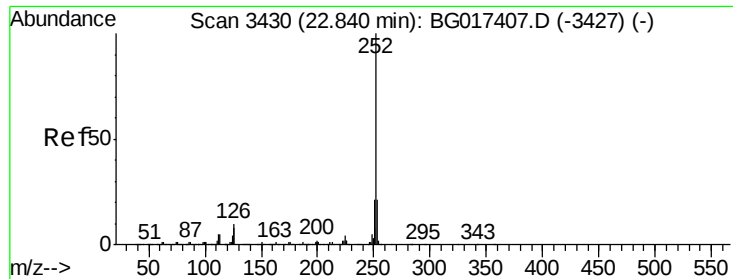
Tgt Ion:264 Resp: 146792
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.4
265 21.0 15.8 23.6



#87
Benzo(b)fluoranthene
Concen: 17.13 ng
RT: 22.77 min Scan# 3418
Delta R.T. -0.03 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion:252 Resp: 159347
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.2
125 7.9 5.8 8.8





#88

Benzo(k)fluoranthene

Concen: 17.90 ng

RT: 22.77 min Scan# 3418

Delta R.T. -0.08 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

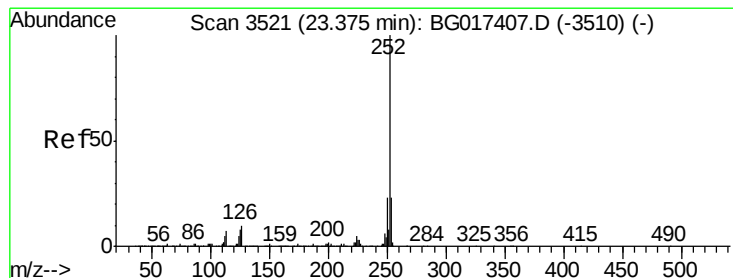
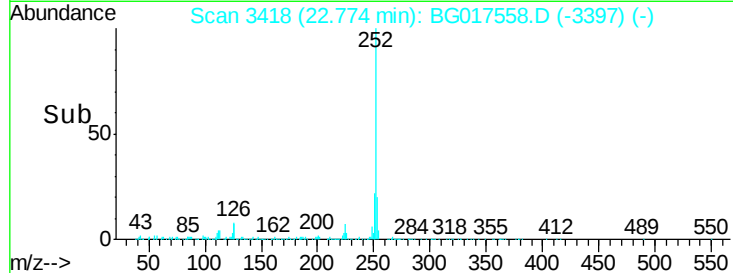
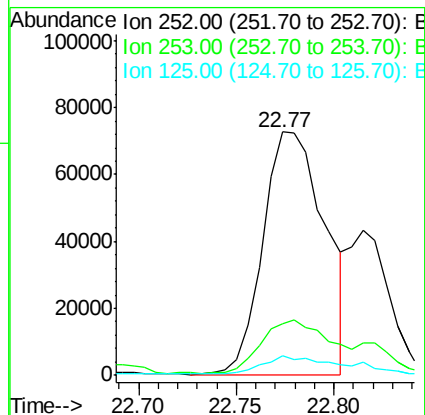
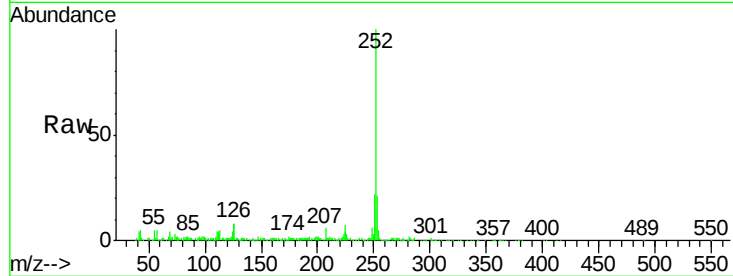
Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

Tgt Ion:	252	Resp:	159347
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.7	26.5
125	7.9	6.5	9.7



#89

Benzo(a)pyrene

Concen: 13.98 ng

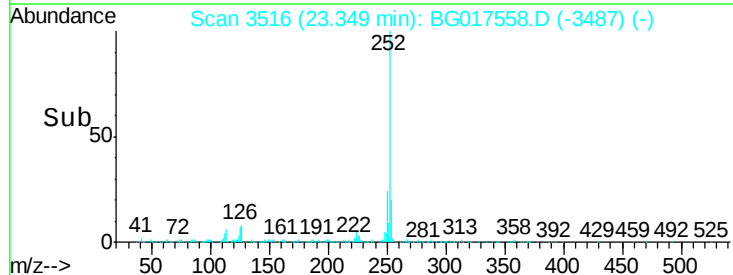
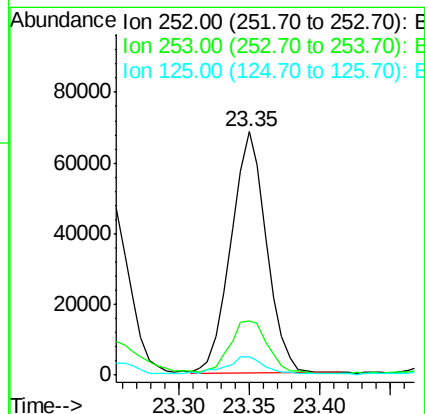
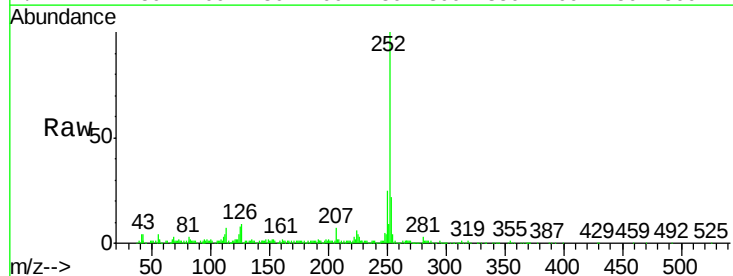
RT: 23.35 min Scan# 3516

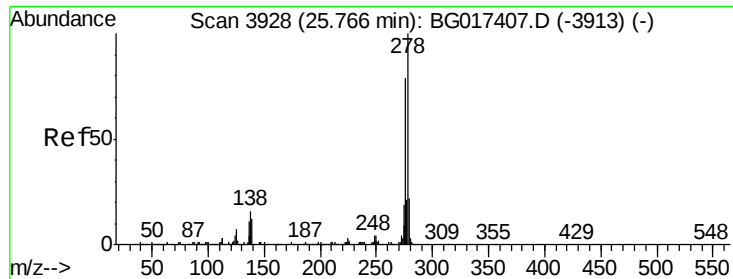
Delta R.T. -0.03 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Tgt Ion:	252	Resp:	119243
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	7.7	6.5	9.7





#90

Dibenzo(a,h)anthracene

Concen: 2.13 ng

RT: 25.71 min Scan# 3918

Delta R.T. -0.07 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.2(3)

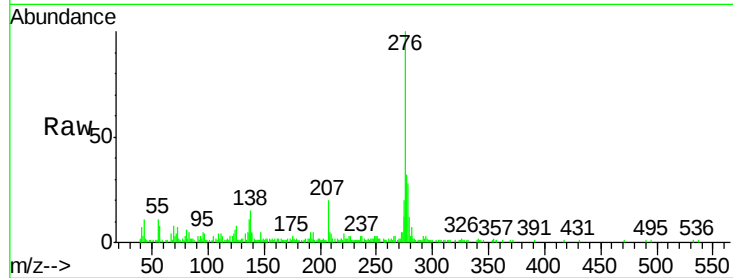
Tgt Ion:278 Resp: 18860

Ion Ratio Lower Upper

278 100

139 18.5 9.4 14.0#

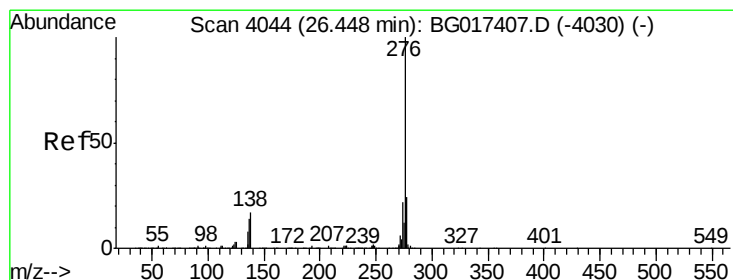
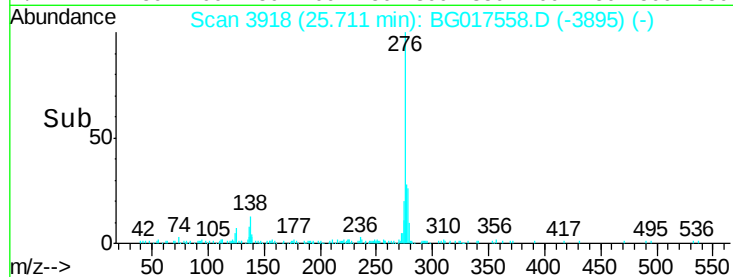
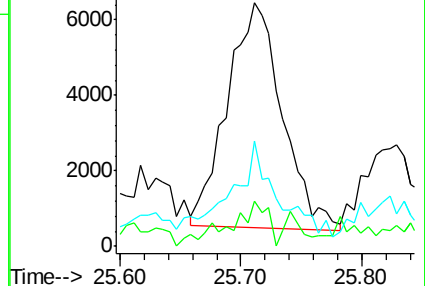
279 43.1 17.8 26.8#



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: 7.46 ng

RT: 26.40 min Scan# 4036

Delta R.T. -0.07 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

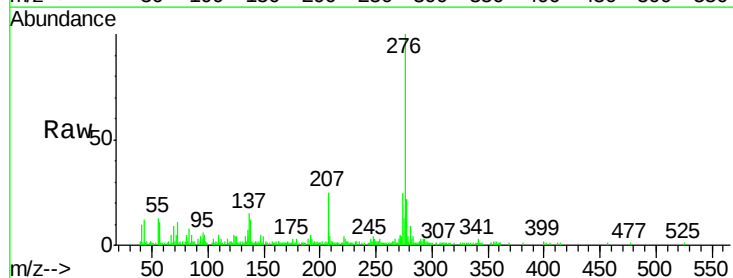
Tgt Ion:276 Resp: 62922

Ion Ratio Lower Upper

276 100

277 22.3 19.2 28.8

138 11.9 13.5 20.3#



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

