

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017556.D
 Acq On : 9 Jun 2015 3:08
 Operator : TP/IZ
 Sample : G2450-36
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jun 09 04:26:57 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

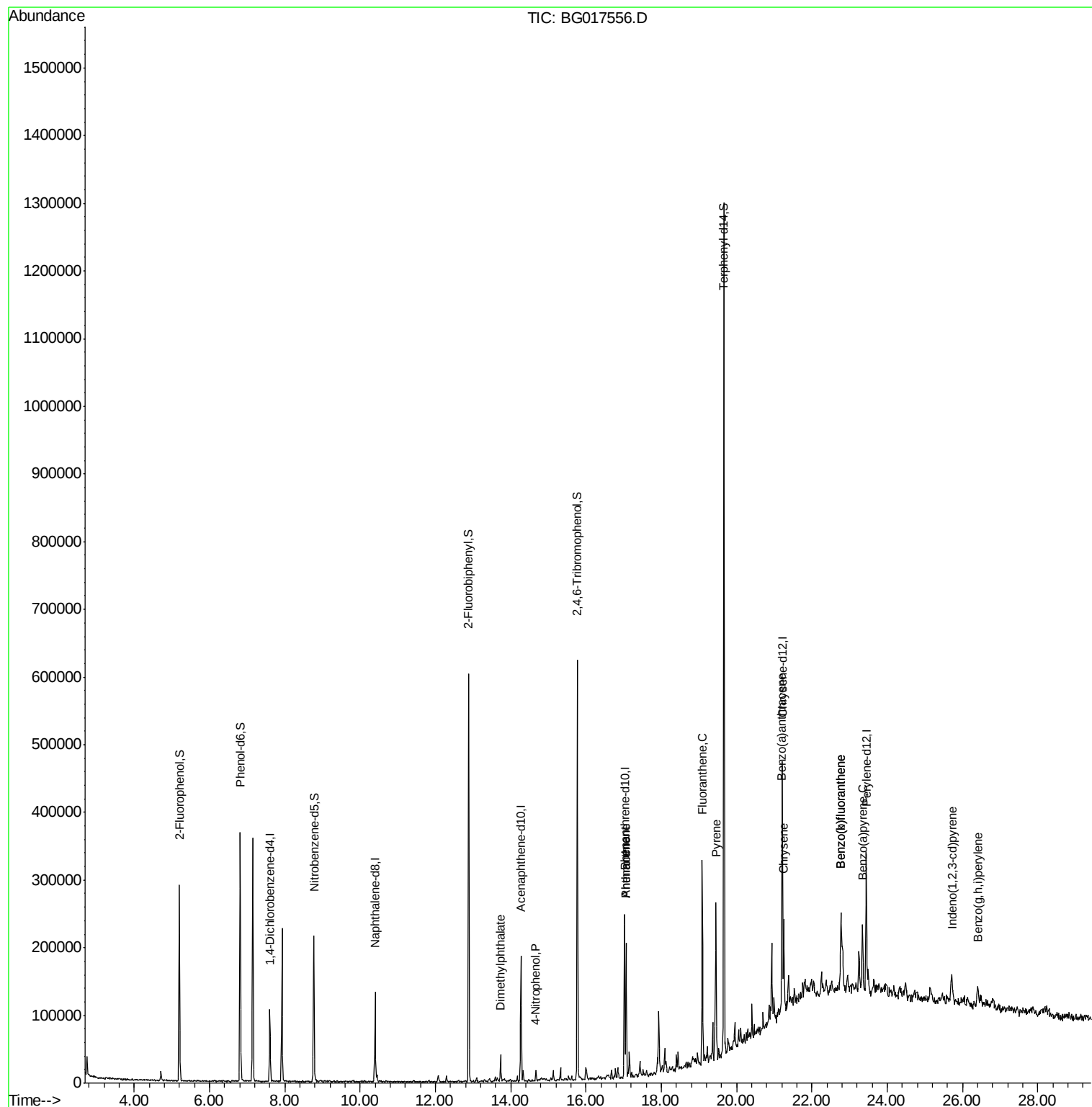
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	22015	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	90084	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	57970	20.00	ng	-0.02
63) Phenanthrene-d10	17.02	188	122043	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	136106	20.00	ng	-0.02
86) Perylene-d12	23.45	264	144243	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	96754	77.43	ng	0.00
7) Phenol-d6	6.81	99	150945	88.67	ng	0.00
23) Nitrobenzene-d5	8.77	82	108561	60.16	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	85865	106.64	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	267898	69.71	ng	-0.01
78) Terphenyl-d14	19.66	244	434680	66.01	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	13.73	163	21267	4.21	ng	# 95
55) 4-Nitrophenol	14.67	139	3111	3.94	ng	# 1
70) Phenanthrene	17.07	178	101404	14.90	ng	98
71) Anthracene	17.07	178	101404	14.92	ng	95
74) Fluoranthene	19.09	202	161117	18.11	ng	98
77) Pyrene	19.45	202	133146	15.88	ng	98
80) Benzo(a)anthracene	21.20	228	73102	8.73	ng	99
82) Chrysene	21.25	228	65731	8.67	ng	97
85) Indeno(1,2,3-cd)pyrene	25.71	276	41983	4.41	ng	94
87) Benzo(b)fluoranthene	22.78	252	82165	8.99	ng	99
88) Benzo(k)fluoranthene	22.78	252	82295	9.41	ng	99
89) Benzo(a)pyrene	23.35	252	64843	7.73	ng	98
91) Benzo(g,h,i)perylene	26.41	276	37550	4.53	ng	# 92

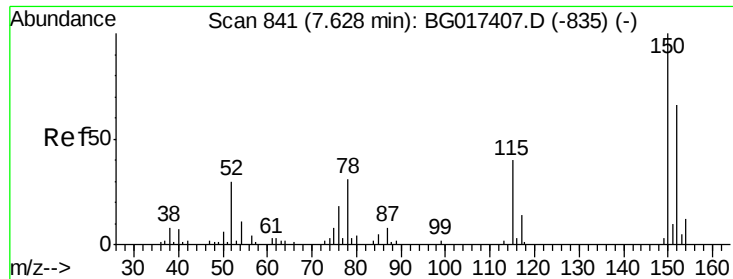
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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AVE-E-NBS13.3(2)

Quant Time: Jun 09 04:26:57 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

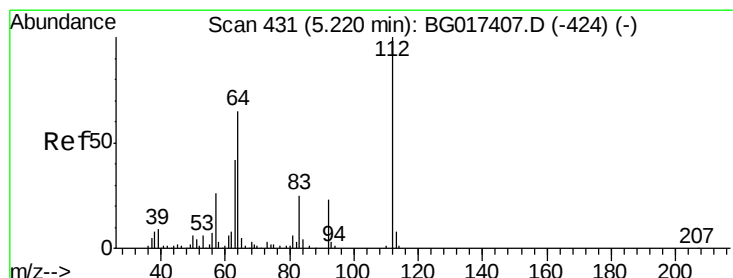
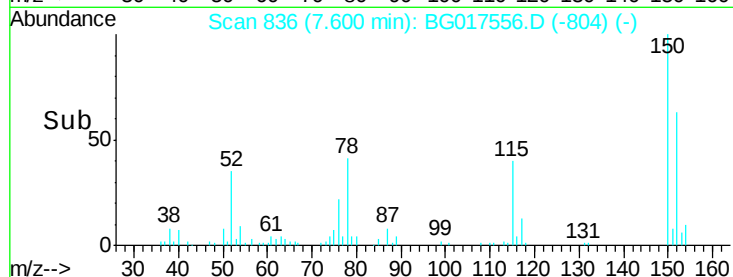
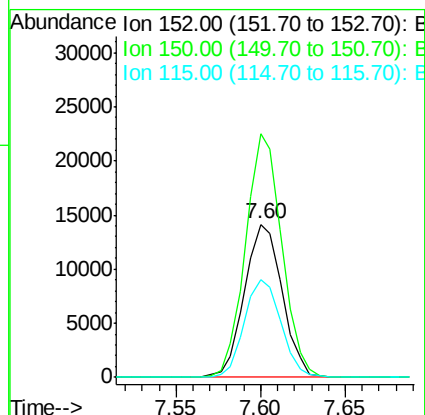
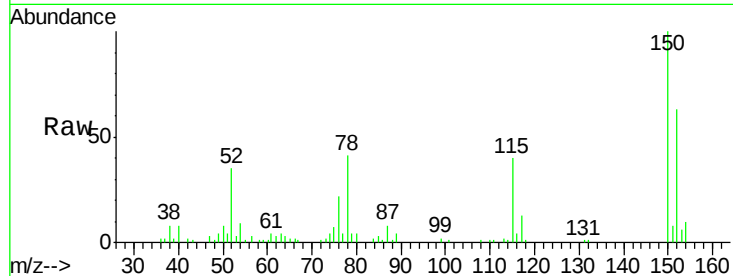




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.60 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

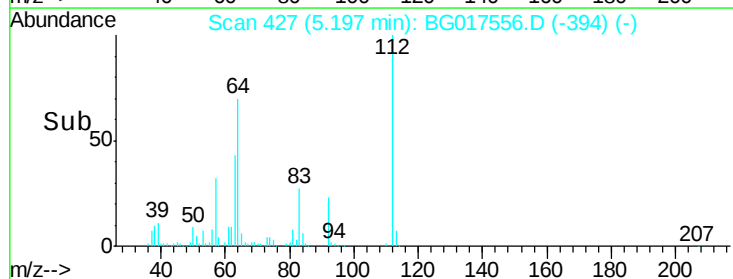
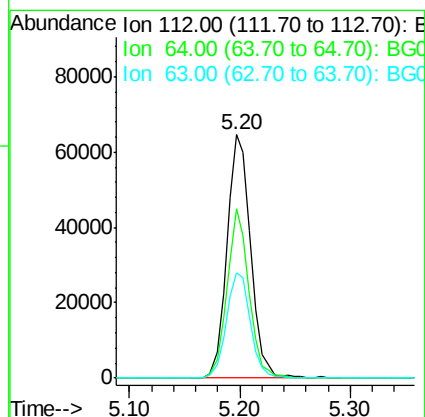
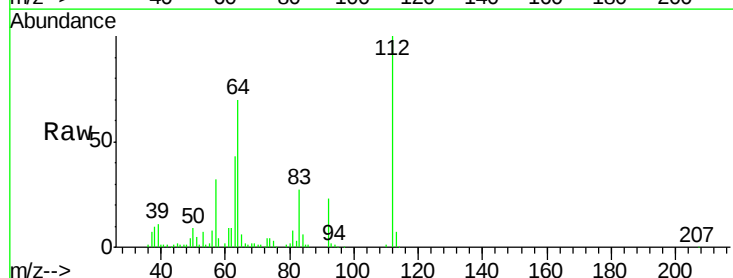
Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.3(2)

Tgt Ion:152 Resp: 22015
 Ion Ratio Lower Upper
 152 100
 150 159.2 121.7 182.5
 115 63.6 48.6 73.0



#5
 2-Fluorophenol
 Concen: 77.43 ng
 RT: 5.20 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt Ion:112 Resp: 96754
 Ion Ratio Lower Upper
 112 100
 64 69.6 51.6 77.4
 63 43.4 33.3 49.9





#7

Phenol-d6

Concen: 88.67 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

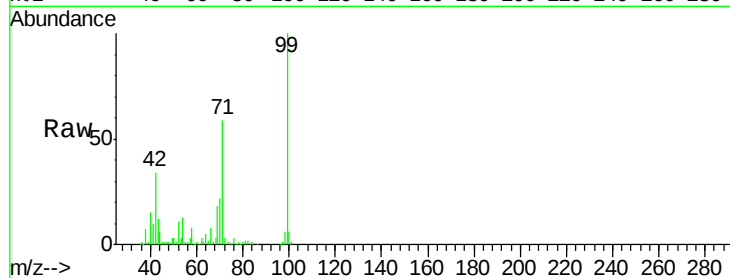
Tgt Ion: 99 Resp: 150945

Ion Ratio Lower Upper

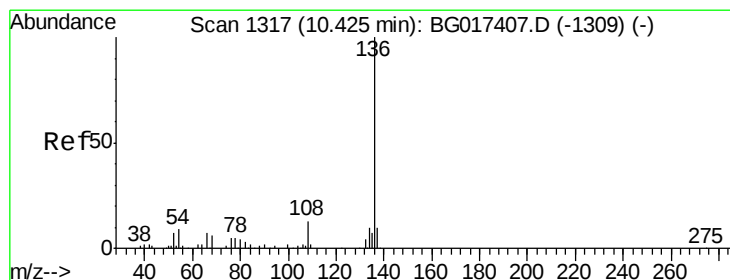
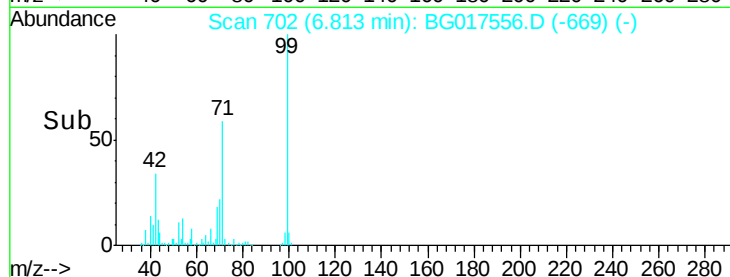
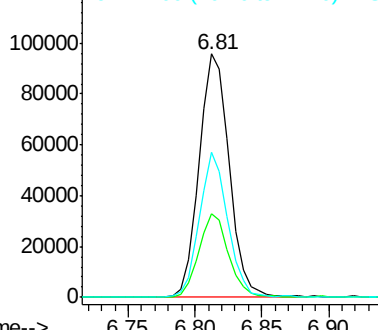
99 100

42 34.4 21.0 31.6#

71 59.4 37.2 55.8#



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: 10.40 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion: 136 Resp: 90084

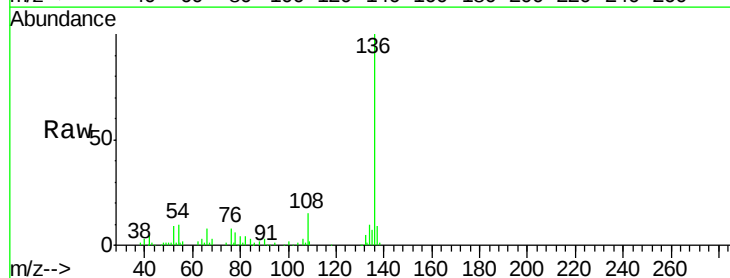
Ion Ratio Lower Upper

136 100

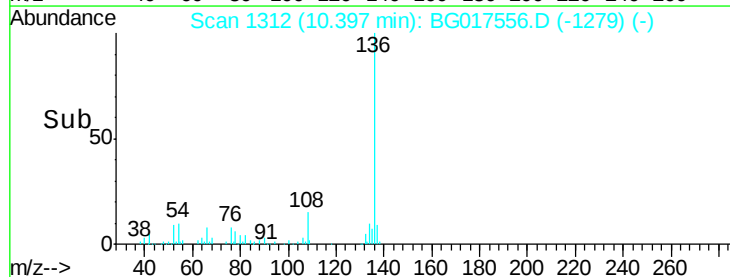
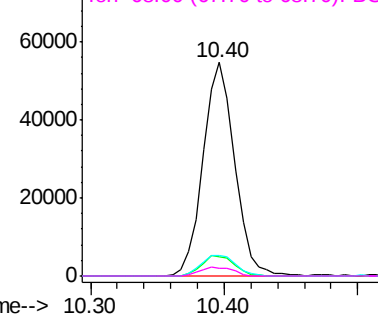
137 9.3 7.9 11.9

54 9.7 7.2 10.8

68 3.3 4.5 6.7#



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

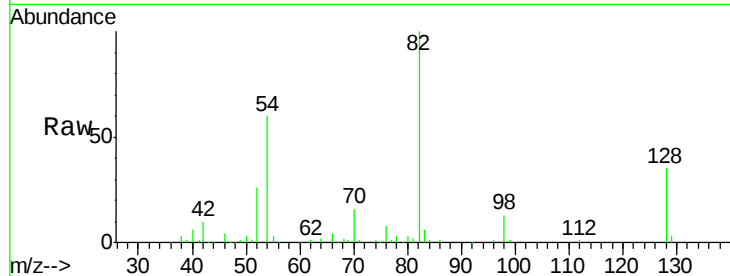




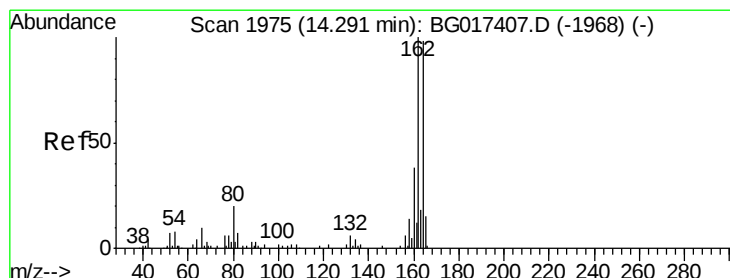
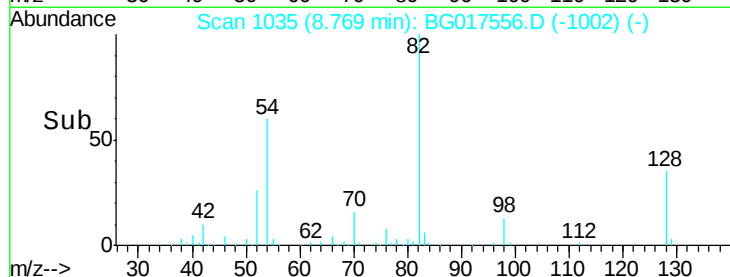
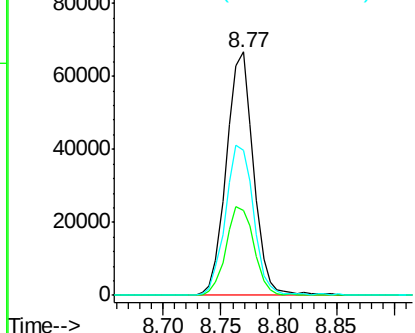
#23
 Nitrobenzene-d5
 Concen: 60.16 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.6	32.2	48.4
54	59.8	47.4	71.2

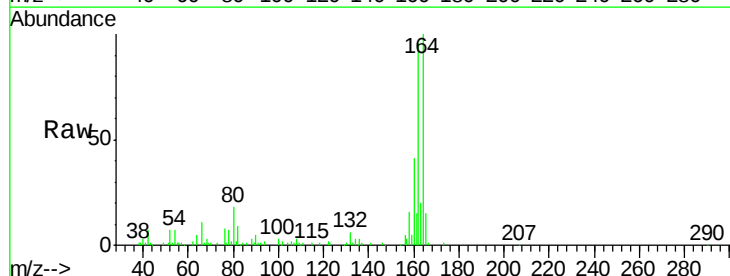


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

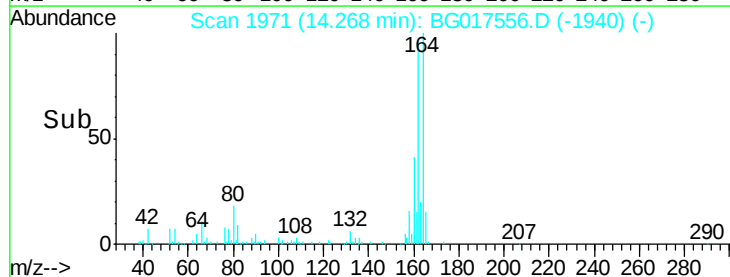
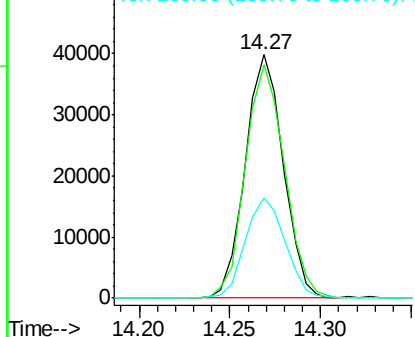


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1971
 Delta R.T. -0.02 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.7	81.8	122.6
160	41.3	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

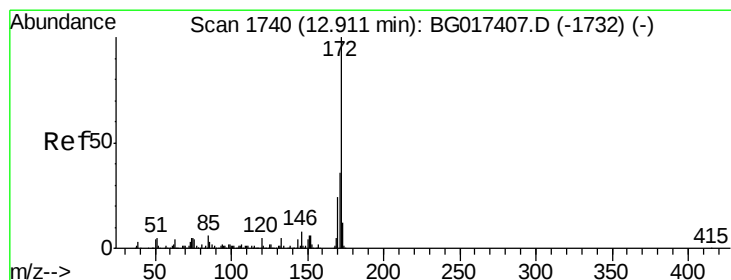
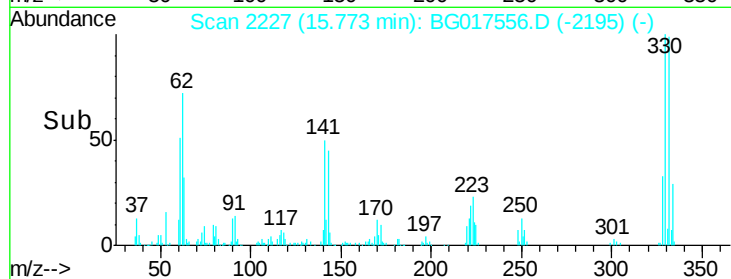
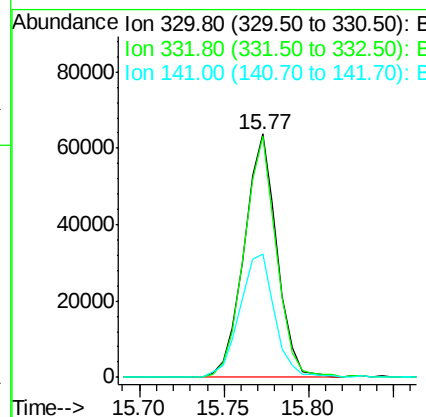
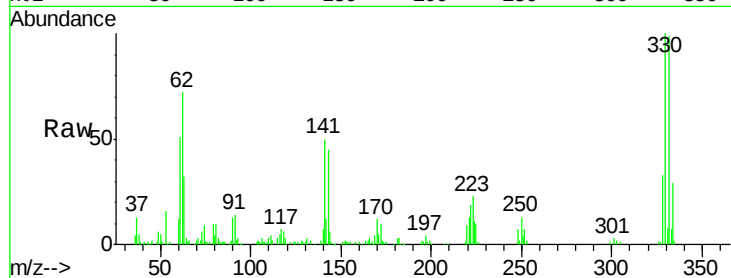




#41
 2,4,6-Tribromophenol
 Concen: 106.64 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

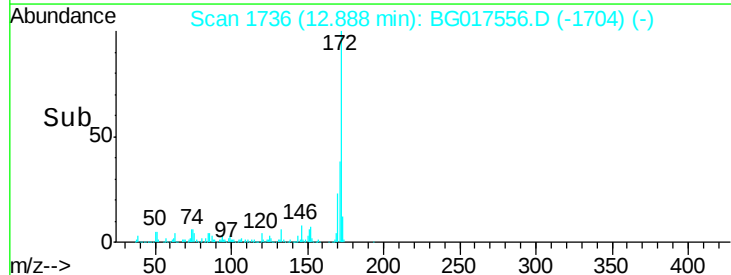
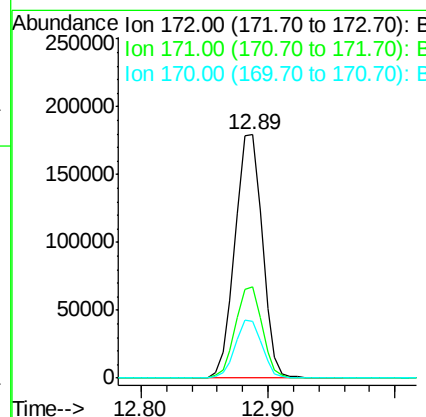
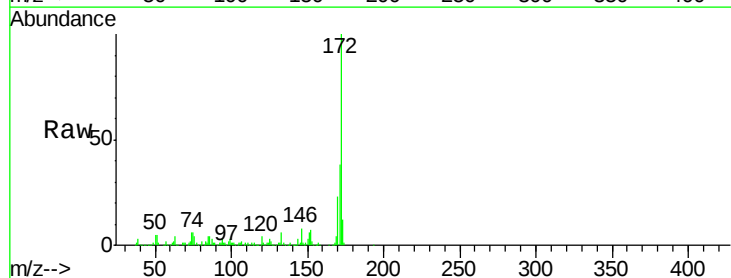
Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.3(2)

Tgt Ion:330 Resp: 85865
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.9 113.9
 141 54.1 40.2 60.4



#44
 2-Fluorobiphenyl
 Concen: 69.71 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt Ion:172 Resp: 267898
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.0 43.6
 170 23.3 18.9 28.3





#49

Dimethylphthalate

Concen: 4.21 ng

RT: 13.73 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

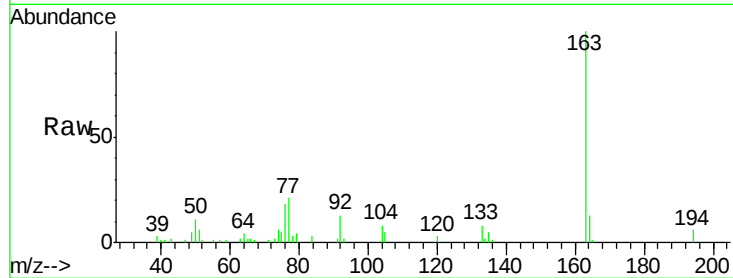
Tgt Ion:163 Resp: 21267

Ion Ratio Lower Upper

163 100

194 5.9 4.9 7.3

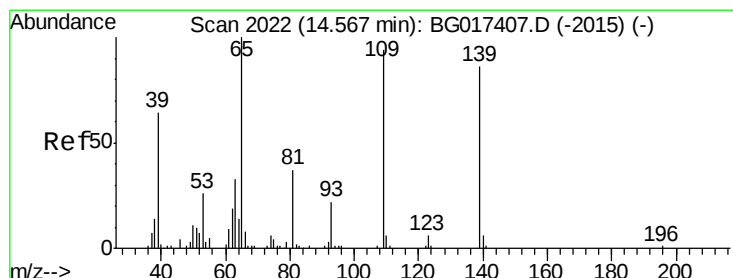
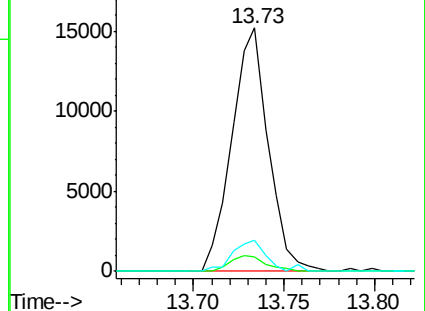
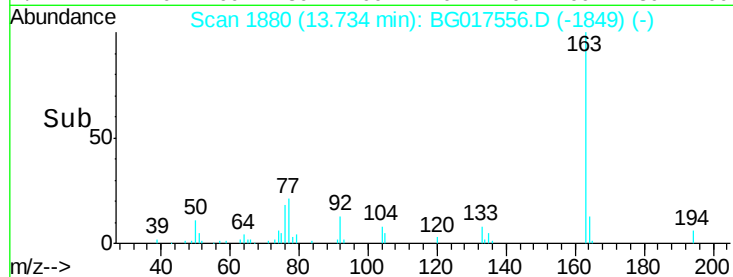
164 12.8 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 3.94 ng

RT: 14.67 min Scan# 2040

Delta R.T. 0.10 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

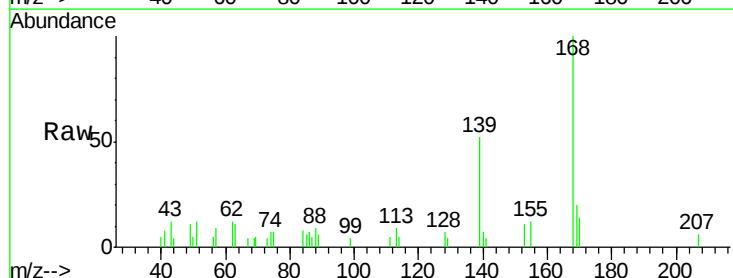
Tgt Ion:139 Resp: 3111

Ion Ratio Lower Upper

139 100

109 0.0 89.5 129.5#

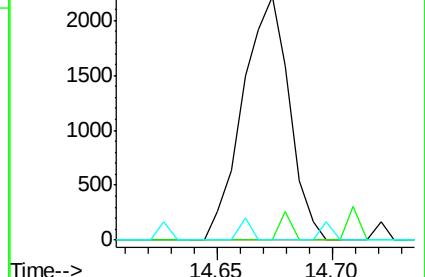
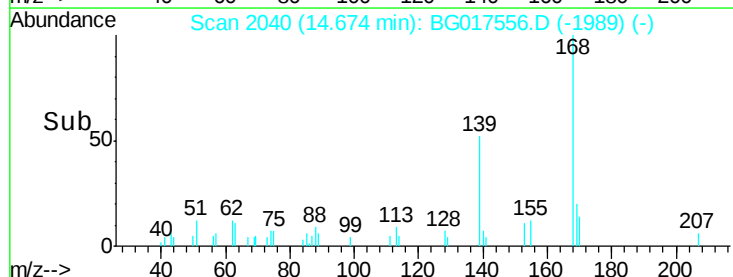
65 0.0 95.9 135.9#

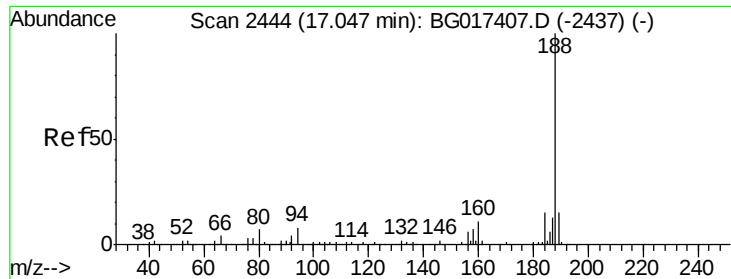


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

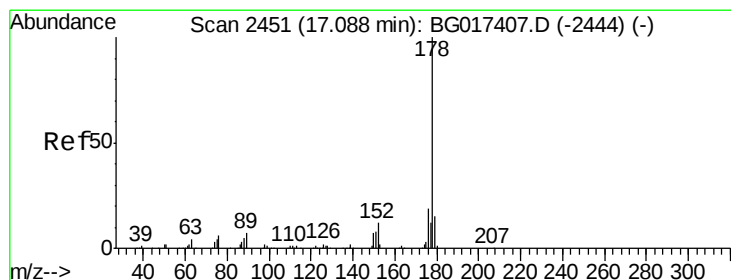
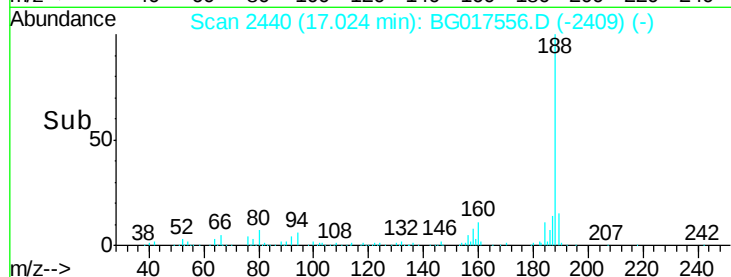
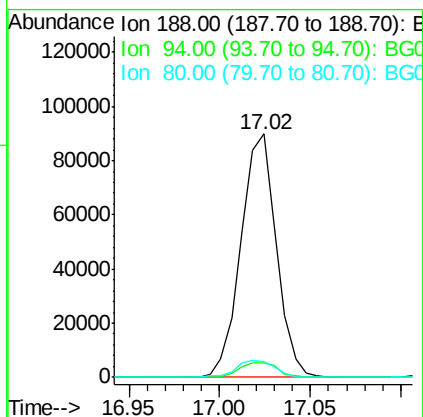
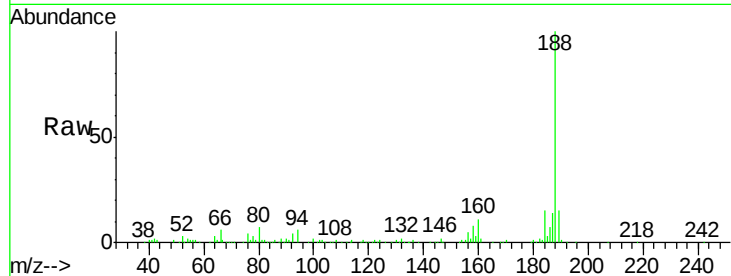




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

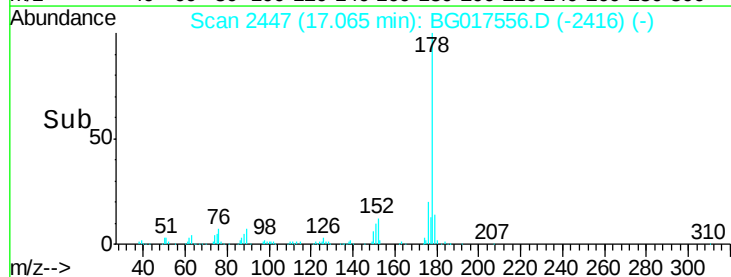
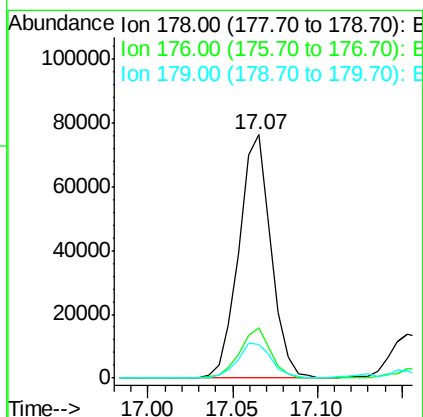
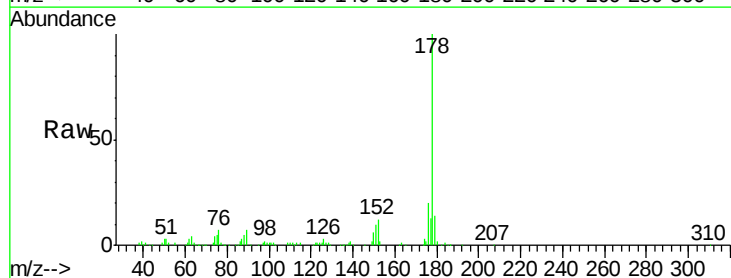
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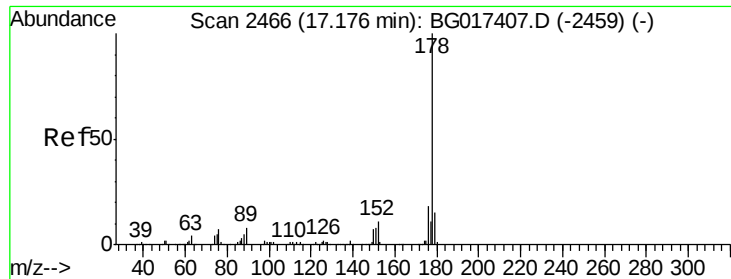
Tgt Ion:188 Resp: 122043
Ion Ratio Lower Upper
188 100
94 6.1 6.3 9.5#
80 6.5 5.2 7.8



#70
Phenanthrene
Concen: 14.90 ng
RT: 17.07 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

Tgt Ion:178 Resp: 101404
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 14.1 12.2 18.2

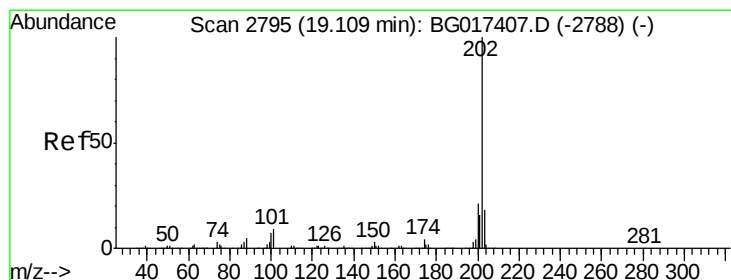
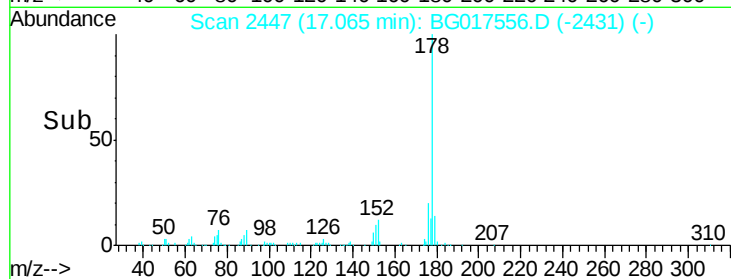
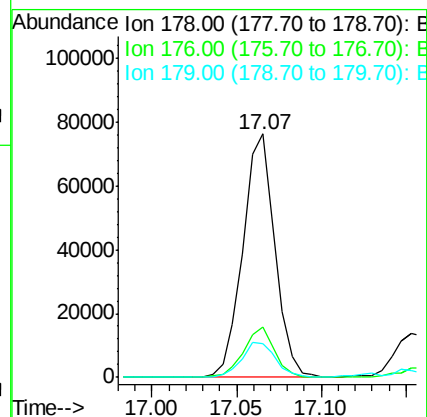
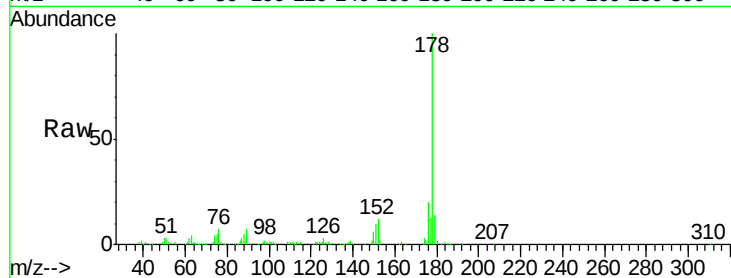




#71
 Anthracene
 Concen: 14.92 ng
 RT: 17.07 min Scan# 2447
 Delta R.T. -0.11 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

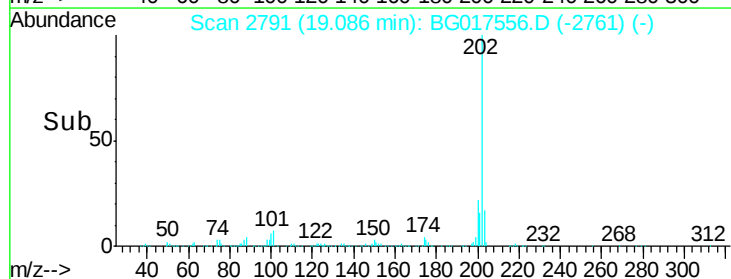
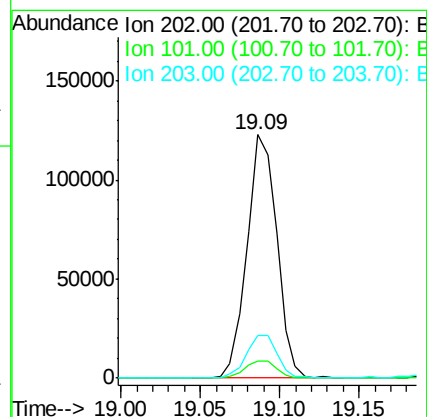
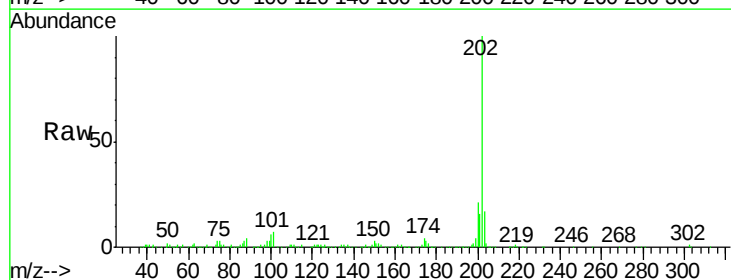
Instrument :
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 AVE-E-NBS13.3(2)

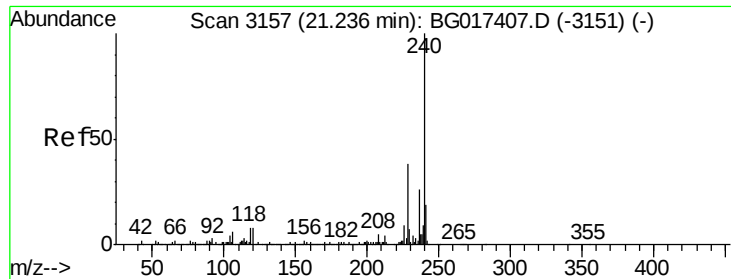
Tgt Ion:178 Resp: 101404
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.2 21.2
 179 14.1 12.2 18.4



#74
 Fluoranthene
 Concen: 18.11 ng
 RT: 19.09 min Scan# 2791
 Delta R.T. -0.02 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt Ion:202 Resp: 161117
 Ion Ratio Lower Upper
 202 100
 101 7.1 0.0 28.8
 203 17.3 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.22 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

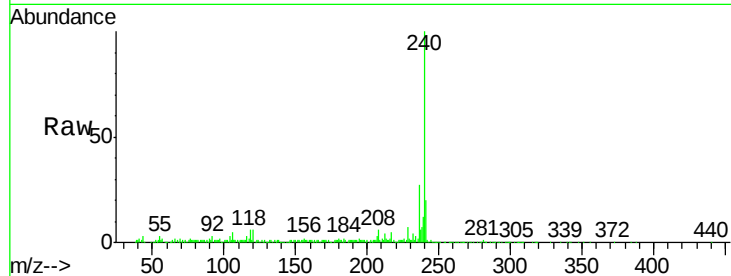
Tgt Ion:240 Resp: 136106

Ion Ratio Lower Upper

240 100

120 6.0 6.5 9.7#

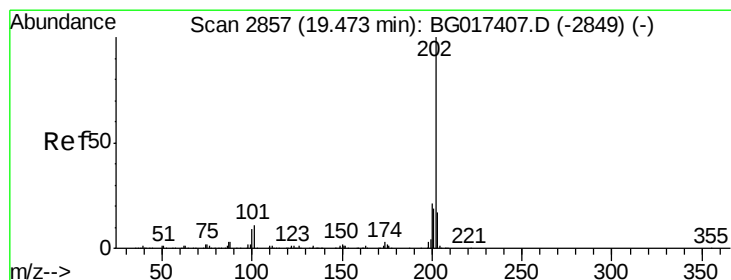
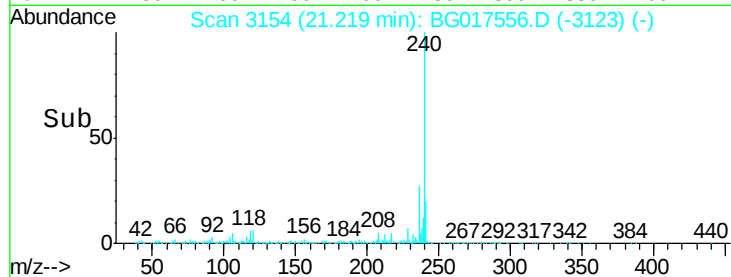
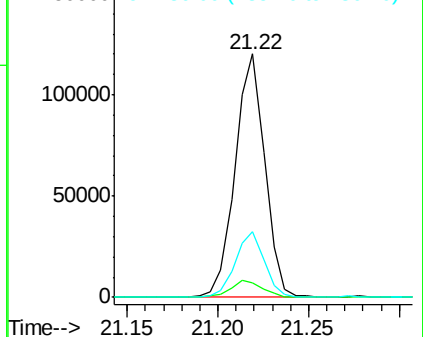
236 26.9 20.8 31.2



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: 15.88 ng

RT: 19.45 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

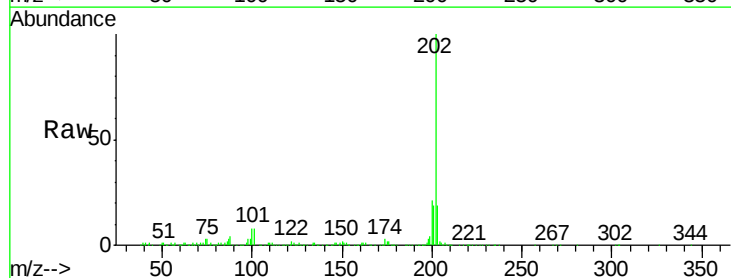
Tgt Ion:202 Resp: 133146

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

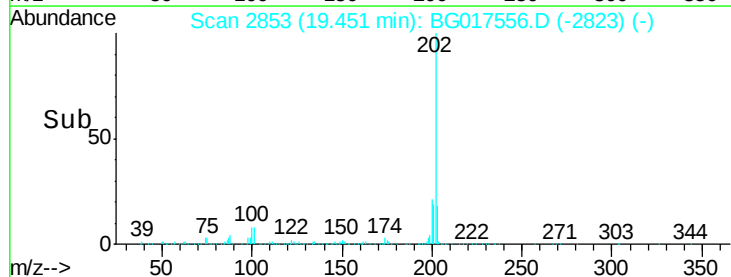
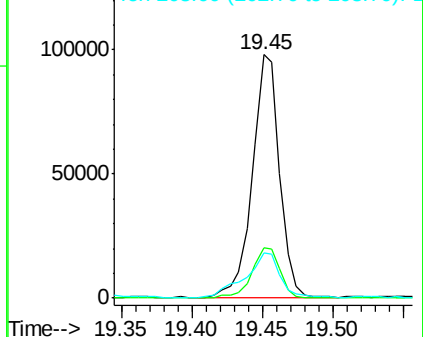
203 18.8 13.9 20.9

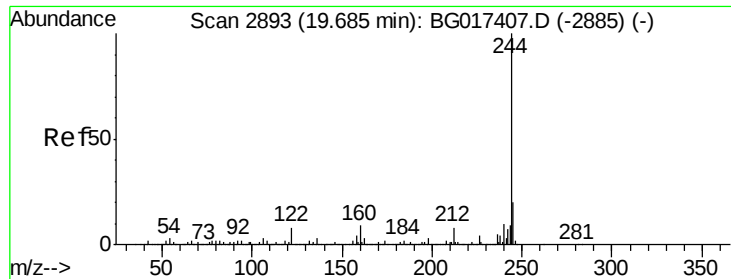


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.01 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

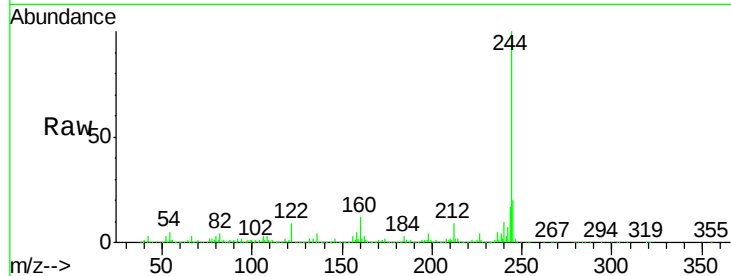
Tgt Ion:244 Resp: 434680

Ion Ratio Lower Upper

244 100

212 9.2 6.4 9.6

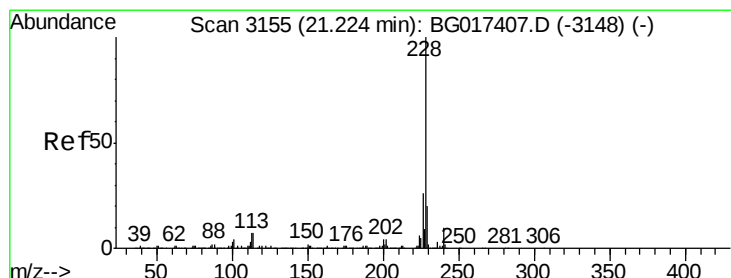
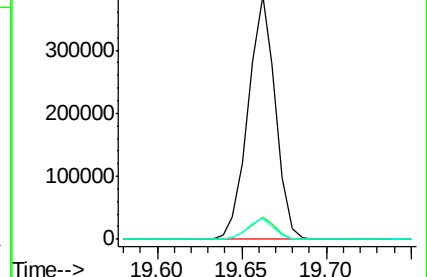
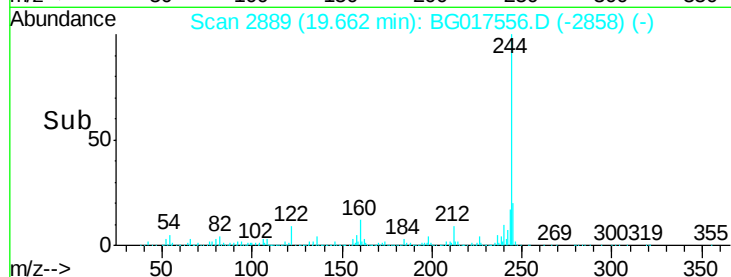
122 8.7 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.73 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

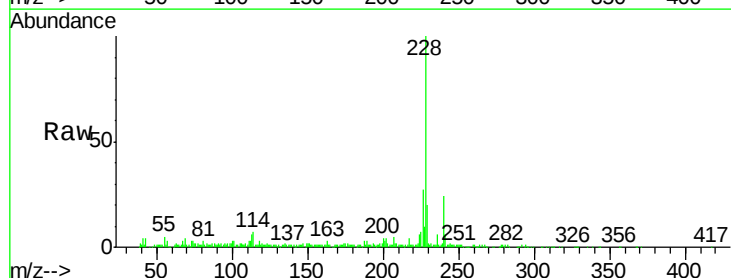
Tgt Ion:228 Resp: 73102

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.6

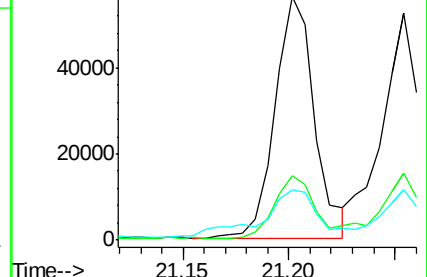
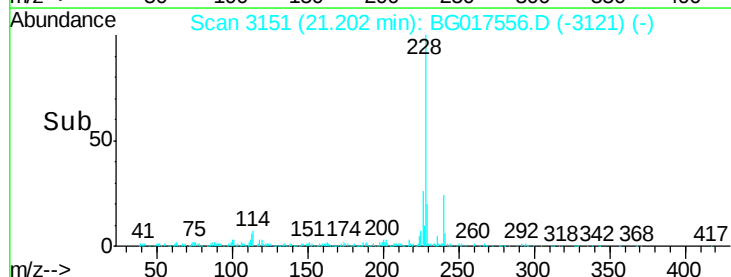
229 20.4 15.7 23.5

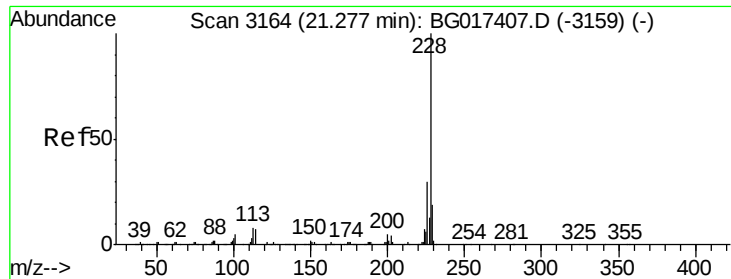


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.67 ng

RT: 21.25 min Scan# 3160

Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

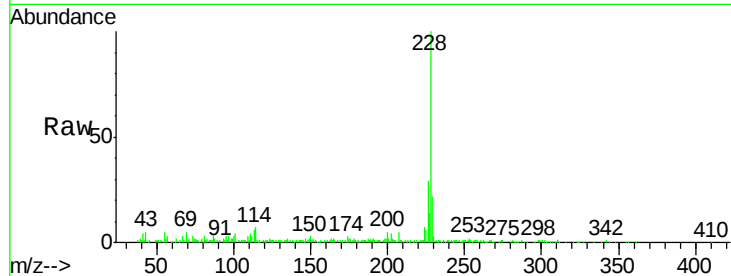
Tgt Ion:228 Resp: 65731

Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

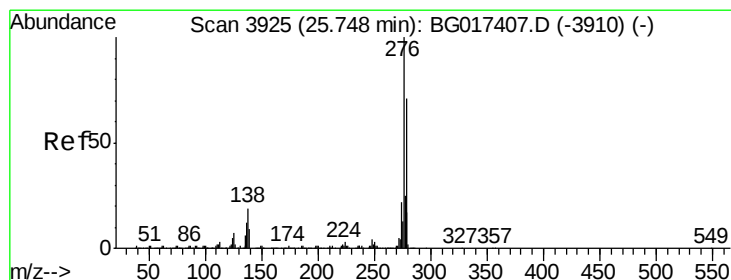
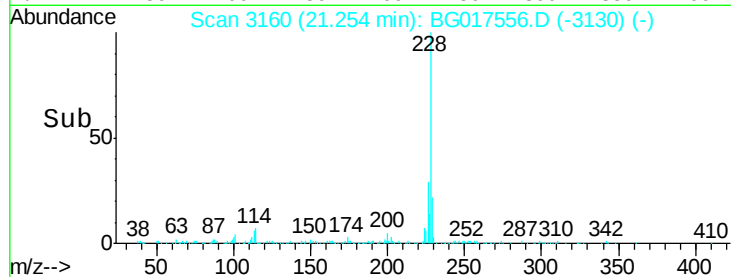
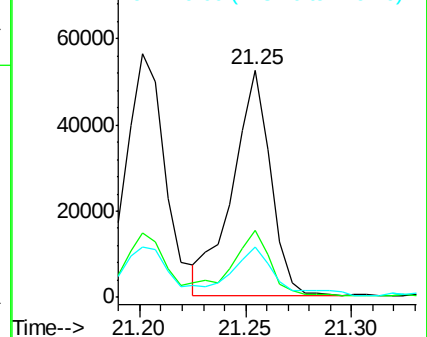
229 22.4 15.2 22.8



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: 4.41 ng

RT: 25.71 min Scan# 3919

Delta R.T. -0.05 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

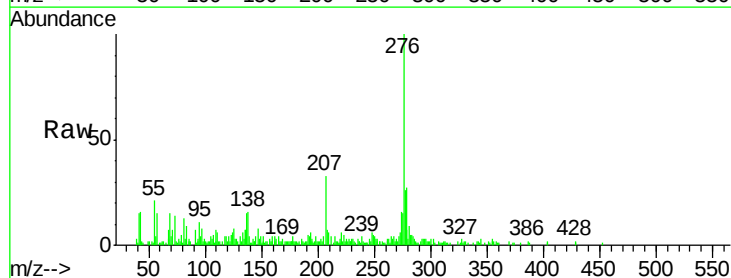
Tgt Ion:276 Resp: 41983

Ion Ratio Lower Upper

276 100

138 16.1 15.4 23.0

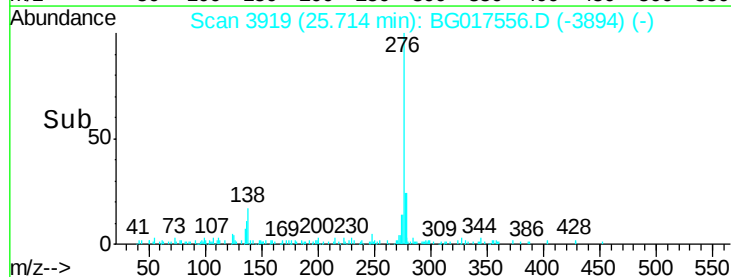
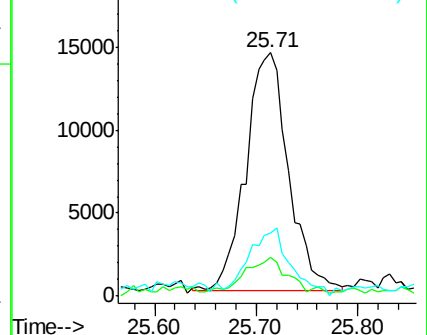
277 28.7 20.5 30.7

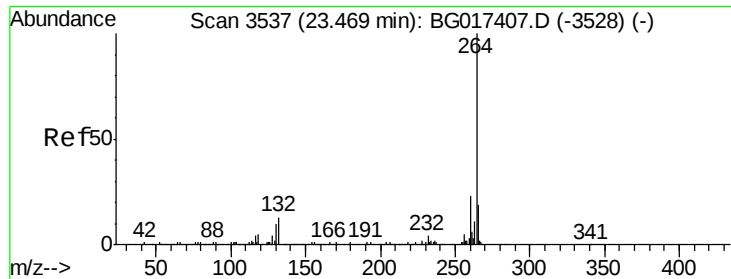


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

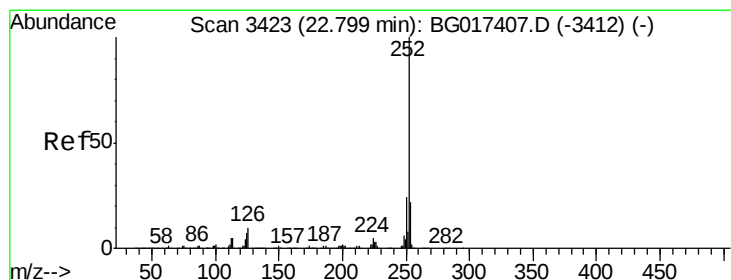
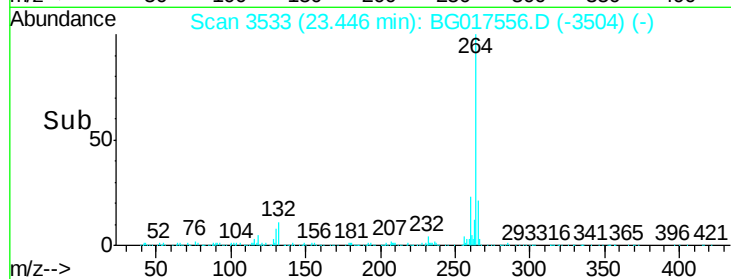
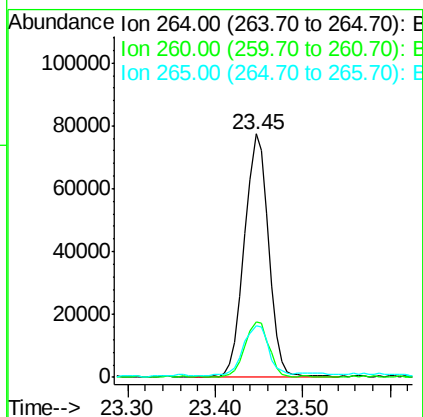
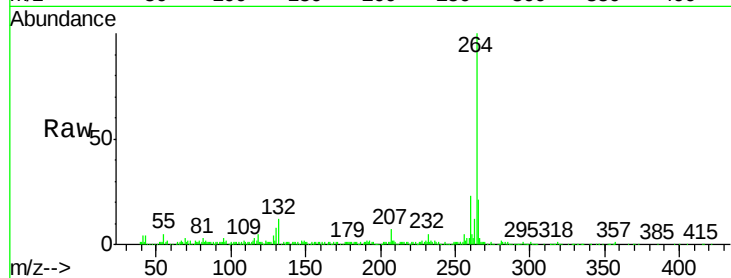




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3533
Delta R.T. -0.03 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

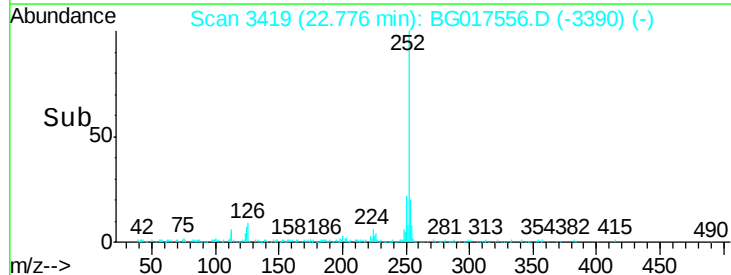
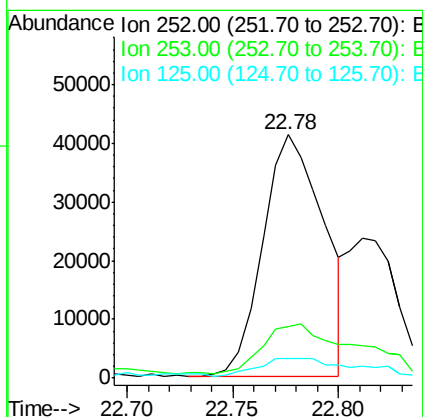
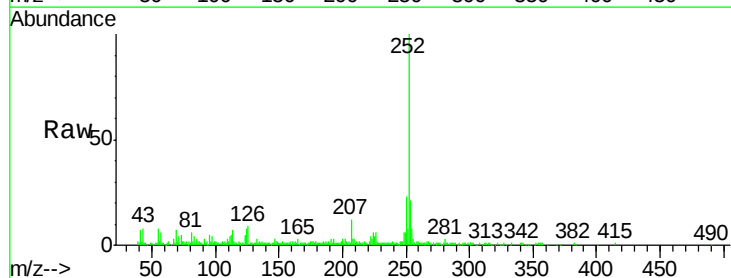
Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.3(2)

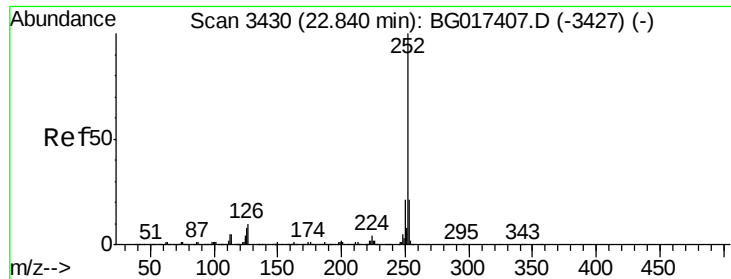
Tgt Ion:264 Resp: 144243
Ion Ratio Lower Upper
264 100
260 23.0 18.2 27.4
265 21.3 15.8 23.6



#87
Benzo(b)fluoranthene
Concen: 8.99 ng
RT: 22.78 min Scan# 3419
Delta R.T. -0.03 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

Tgt Ion:252 Resp: 82165
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 8.0 5.8 8.8





#88

Benzo(k)fluoranthene

Concen: 9.41 ng

RT: 22.78 min Scan# 3419

Delta R.T. -0.08 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

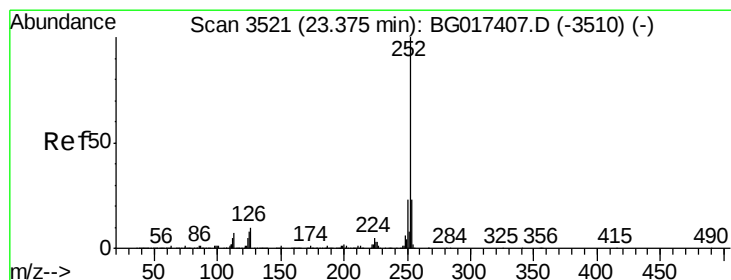
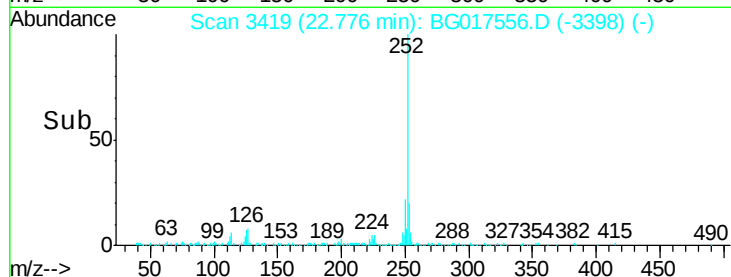
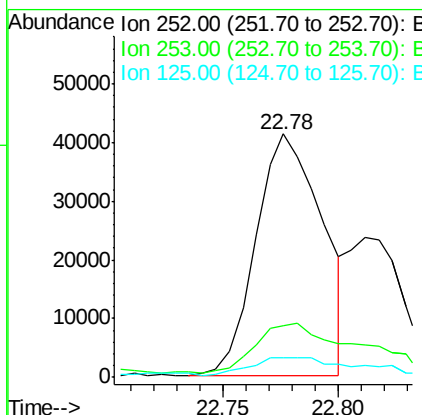
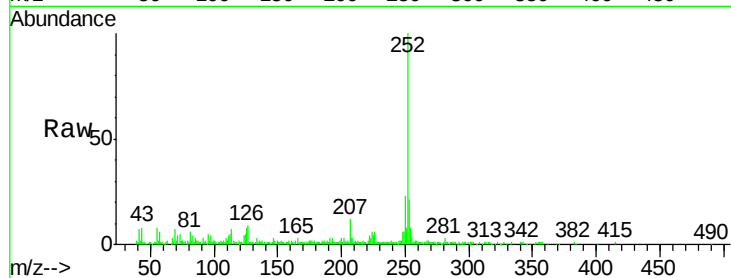
Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

Tgt Ion:	252	Resp:	82295
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	8.0	6.5	9.7



#89

Benzo(a)pyrene

Concen: 7.73 ng

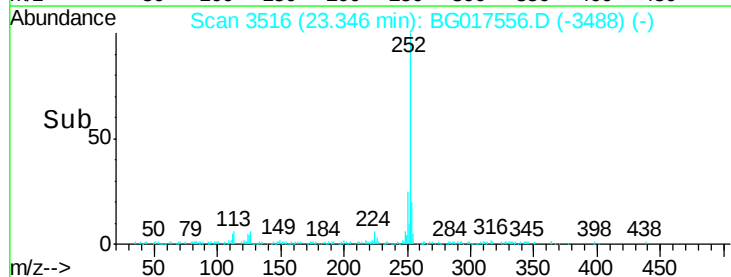
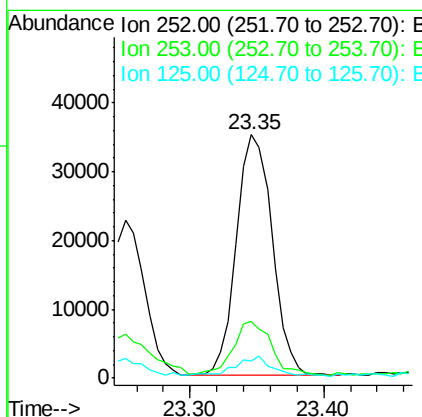
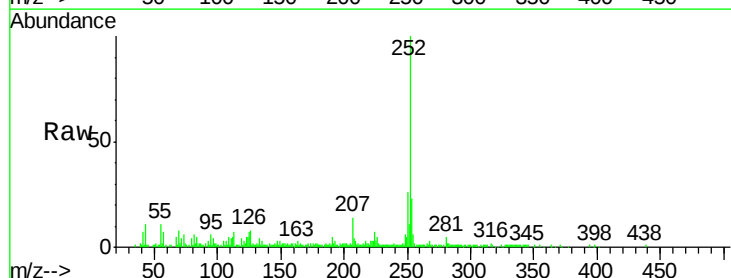
RT: 23.35 min Scan# 3516

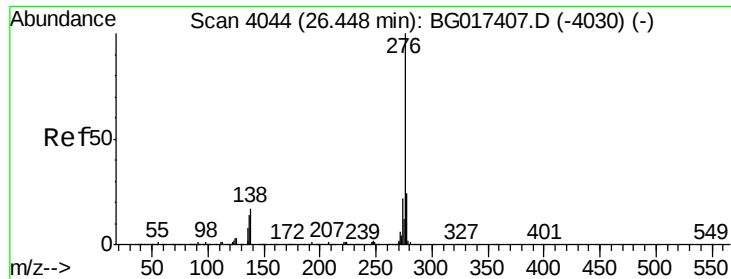
Delta R.T. -0.04 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion:	252	Resp:	64843
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	6.9	6.5	9.7





#91

Benzo(g,h,i)perylene

Concen: 4.53 ng

RT: 26.41 min Scan# 4037

Delta R.T. -0.06 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

AVE-E-NBS13.3(2)

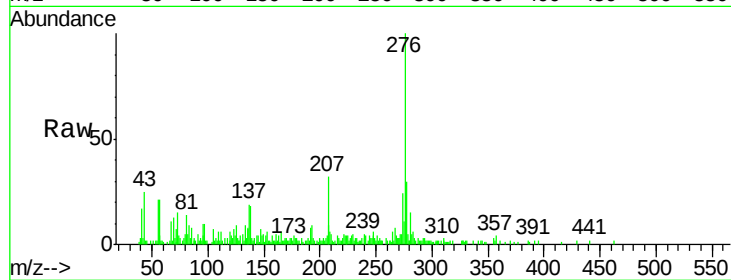
Tgt Ion: 276 Resp: 37550

Ion Ratio Lower Upper

276 100

277 29.7 19.2 28.8#

138 17.7 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

