

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)

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Quant Time: Jun 09 04:44:03 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
70) Phenanthrene	17.07	178	101404	14.90	ng	98
71) Anthracene	17.15	178	21569m	3.17	ng	
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	22.81	252	38704m	4.42	ng	
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

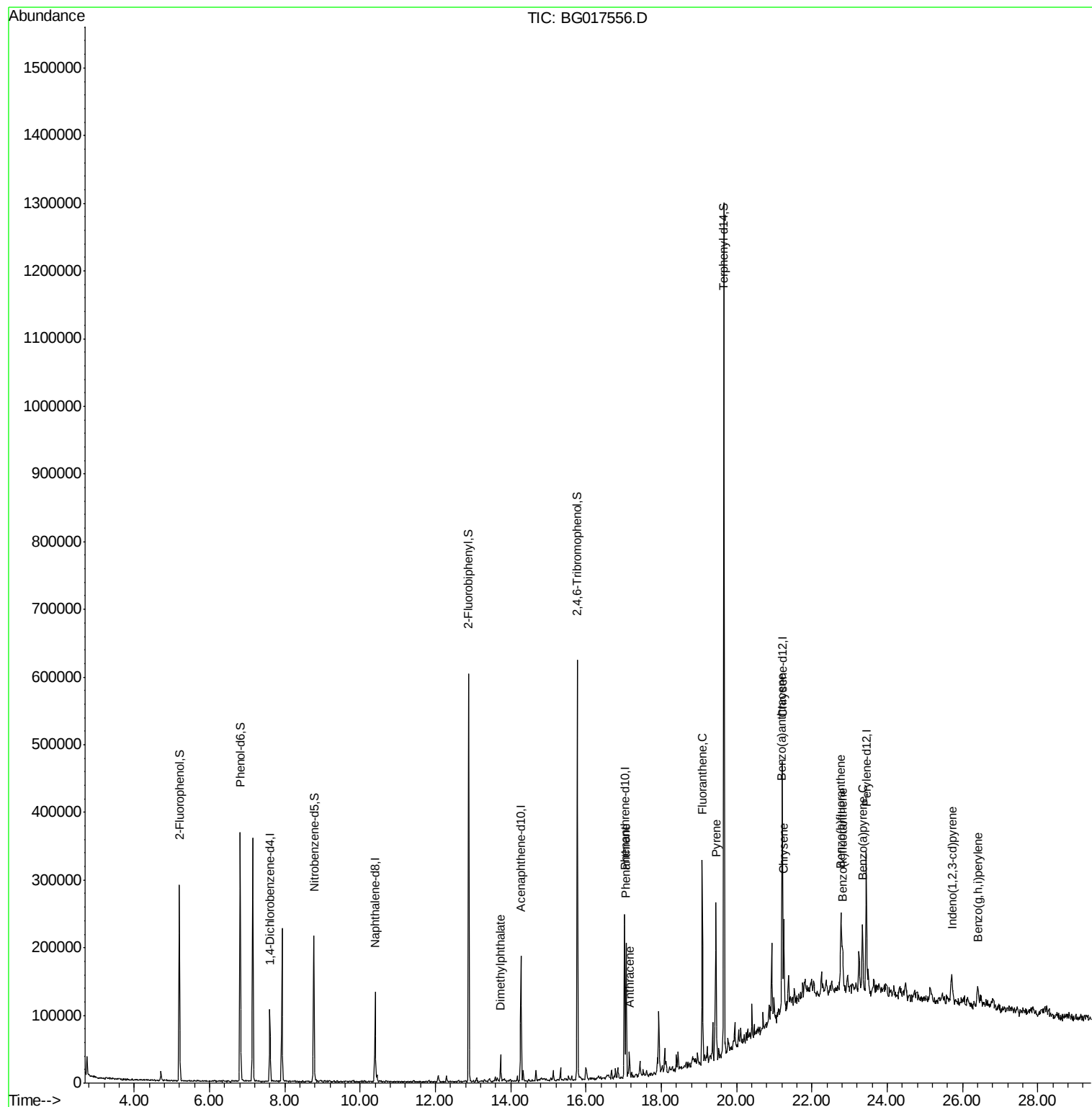
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
ALS Vial : 16 Sample Multiplier: 1

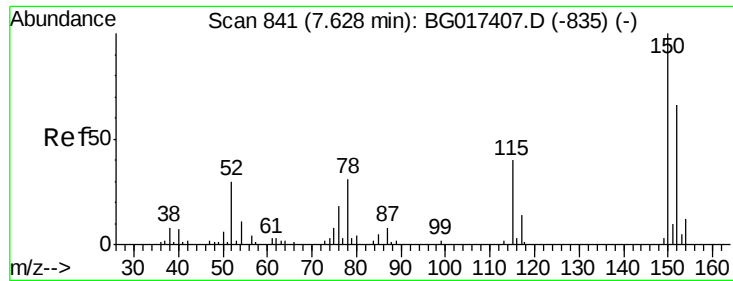
Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.3(2)

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Quant Time: Jun 09 04:44:03 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 :

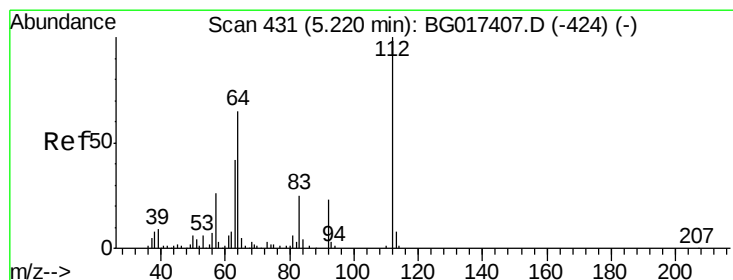
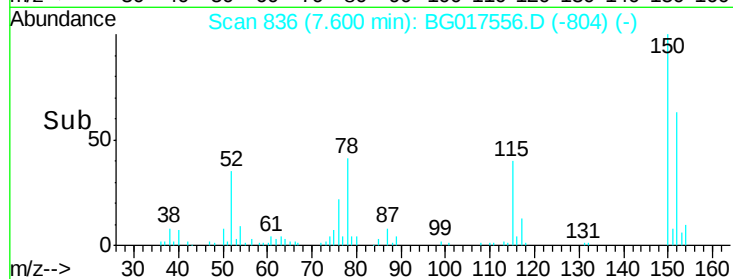
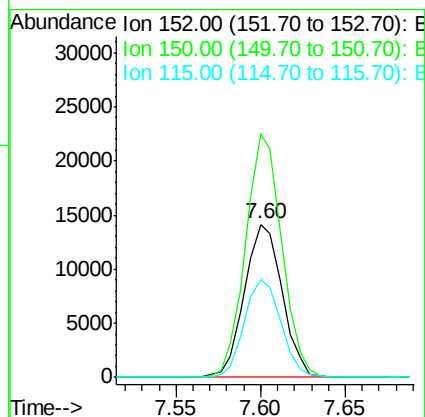
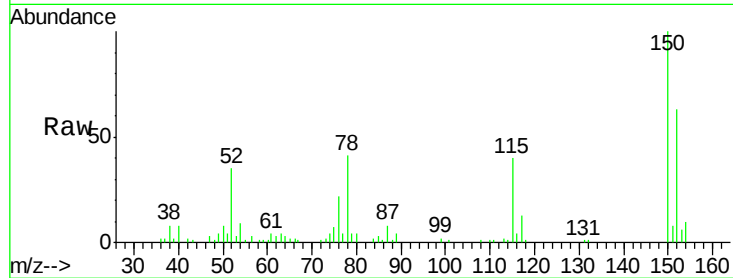
AVE-E-NBS13.3(2)

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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

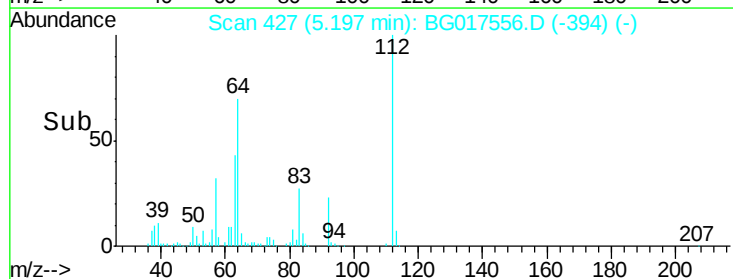
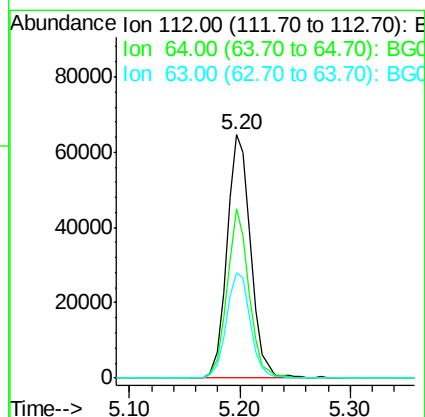
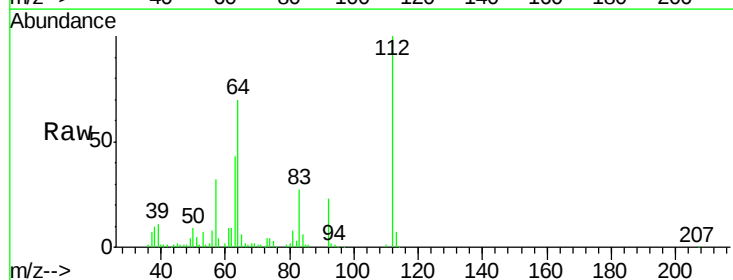
RT: 5.20 min Scan# 427

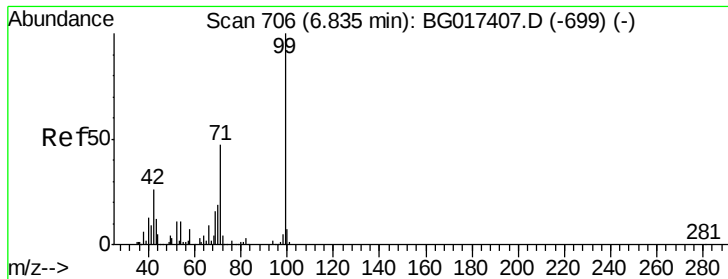
Delta R.T. -0.01 min

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

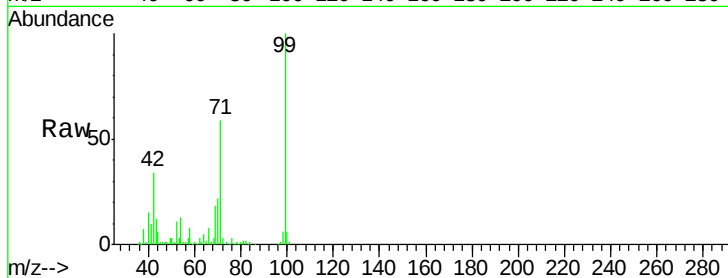
Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

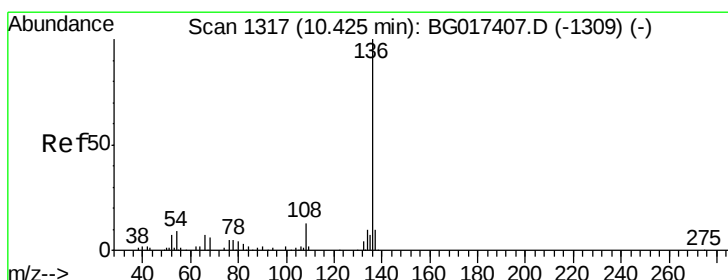
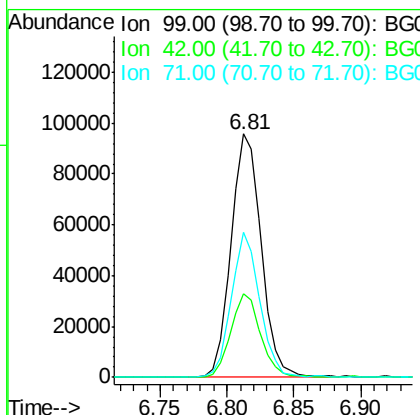
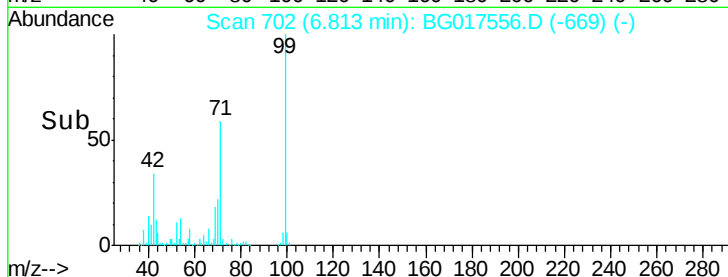
AVE-E-NBS13.3(2)



Tgt Ion	Ratio	Lower	Upper
99	100		
42	34.4	21.0	31.6#
71	59.4	37.2	55.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

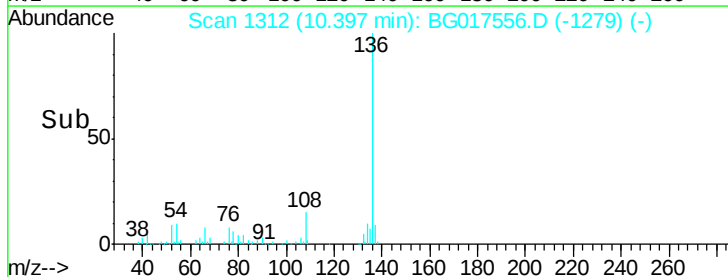
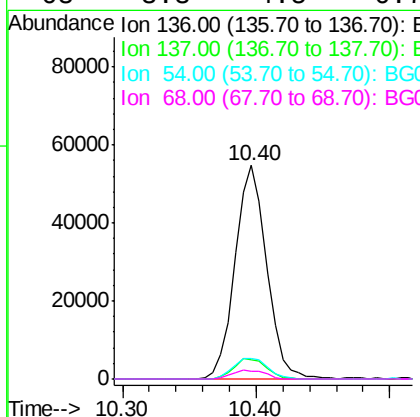
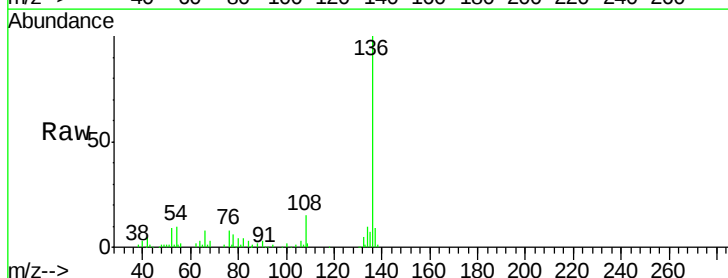
RT: 10.40 min Scan# 1312

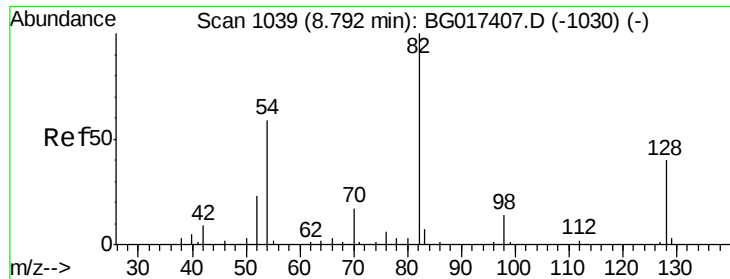
Delta R.T. -0.01 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion	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#





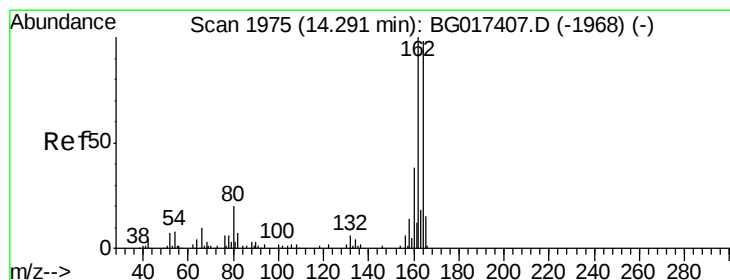
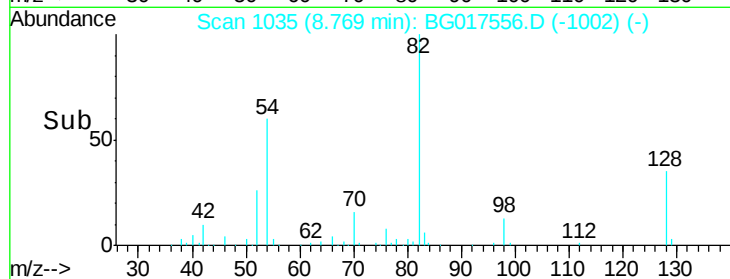
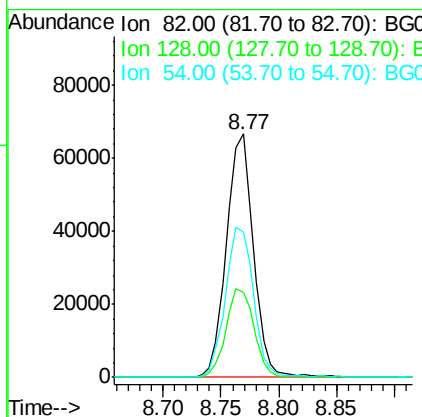
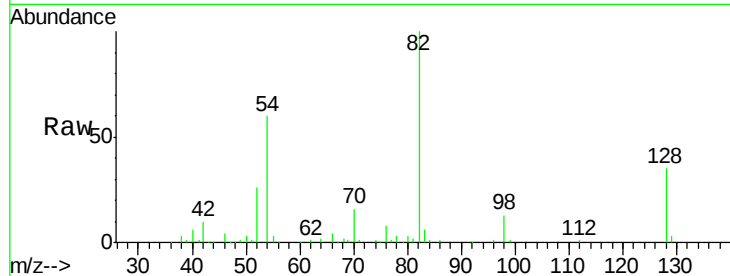
#23
 Nitrobenzene-d5
 Concen: 60.16 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	108561		
128	34.6	32.2	48.4	
54	59.8	47.4	71.2	

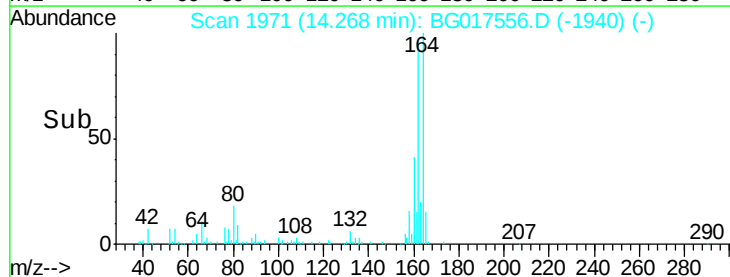
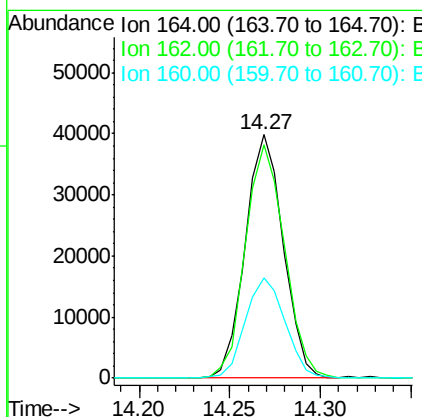
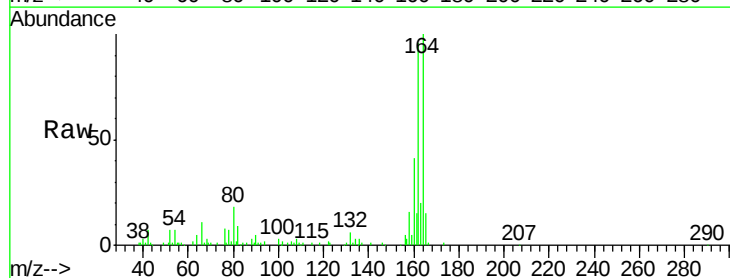
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1971
 Delta R.T. -0.02 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57970		
162	95.7	81.8	122.6	
160	41.3	31.0	46.4	





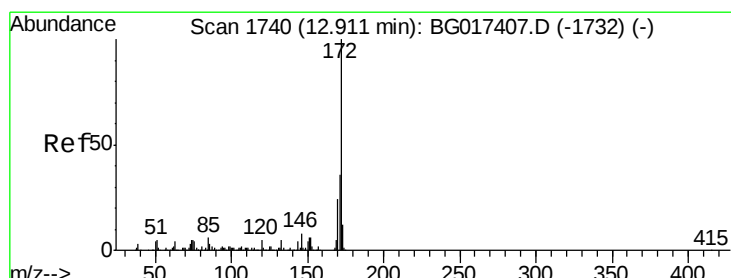
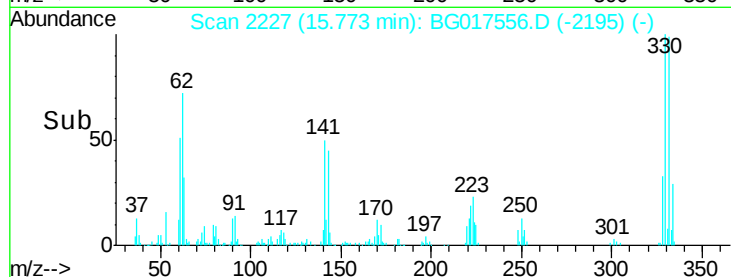
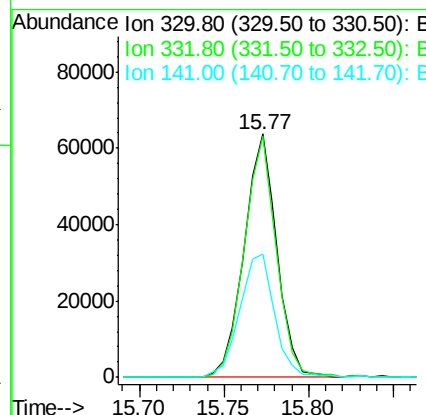
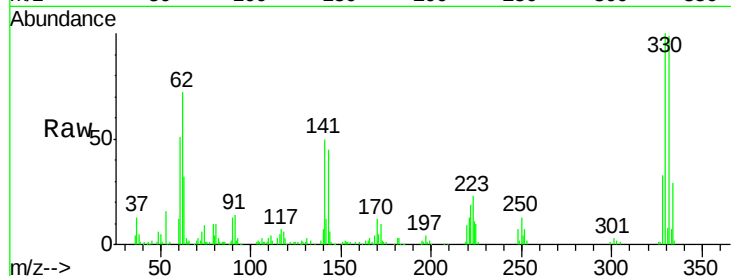
#41
 2,4,6-Tribromophenol
 Concen: 106.64 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

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

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

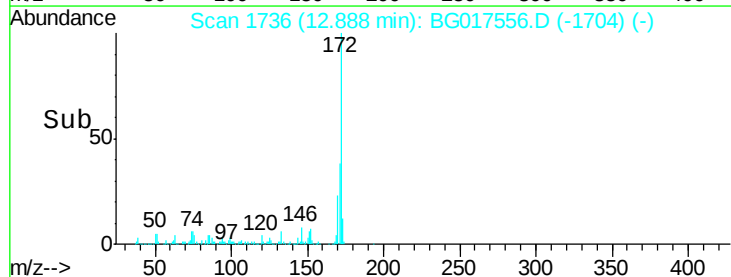
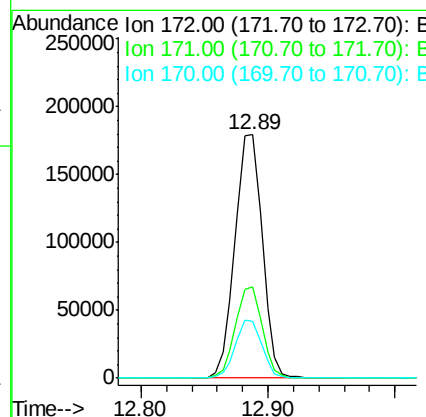
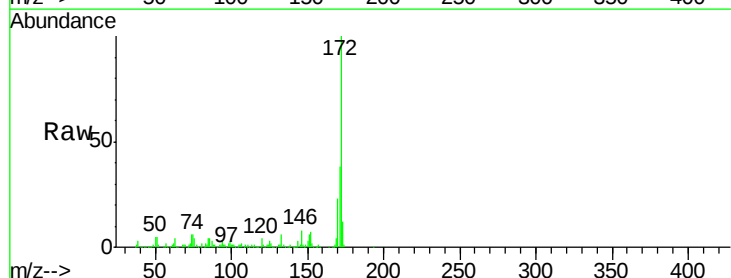
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#44
 2-Fluorobiphenyl
 Concen: 69.71 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

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





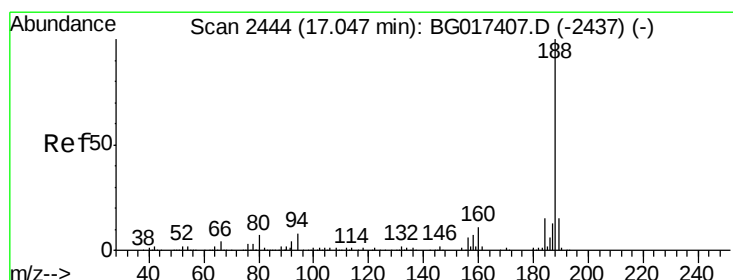
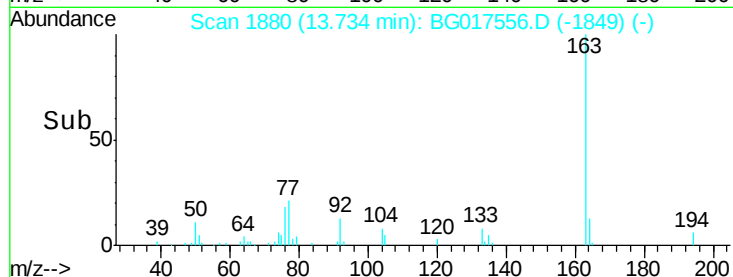
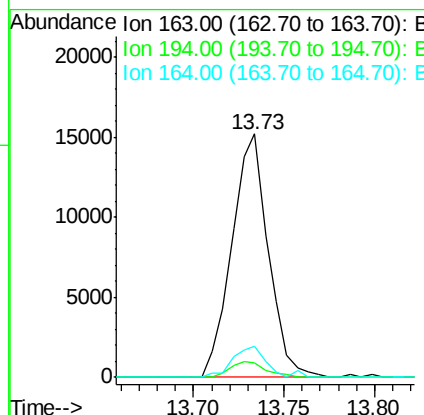
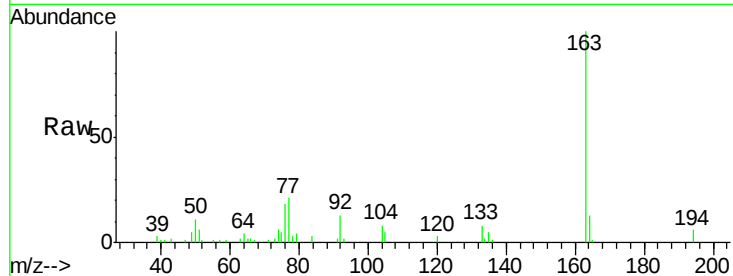
#49
Dimethylphthalate
Concen: 4.21 ng
RT: 13.73 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	21267		
194	5.9	4.9	7.3	
164	12.8	8.2	12.2#	

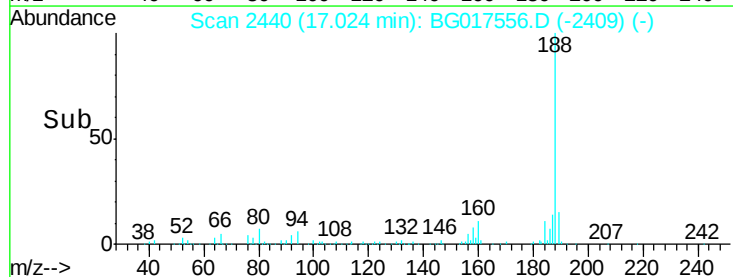
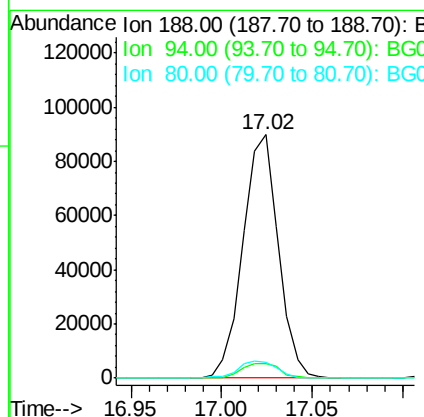
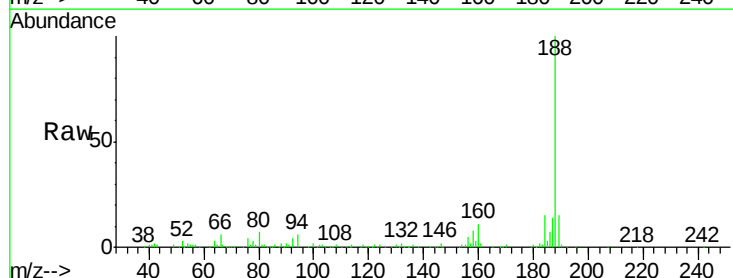
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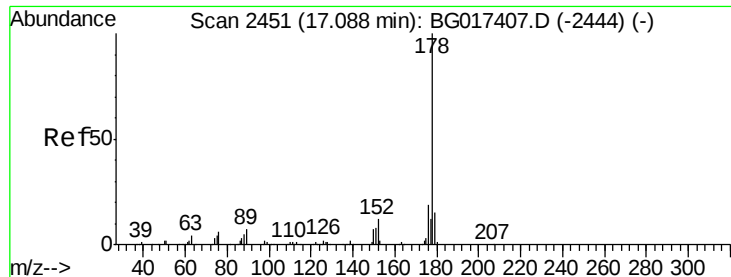
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	122043		
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

Instrument :

BNA_G

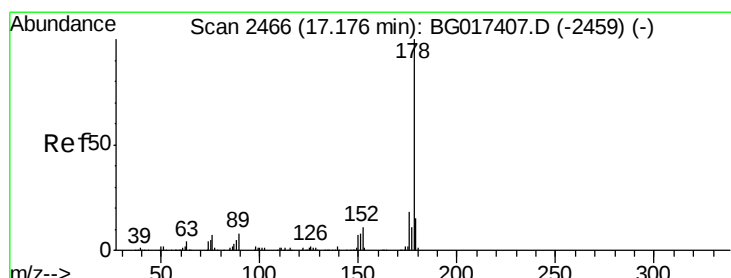
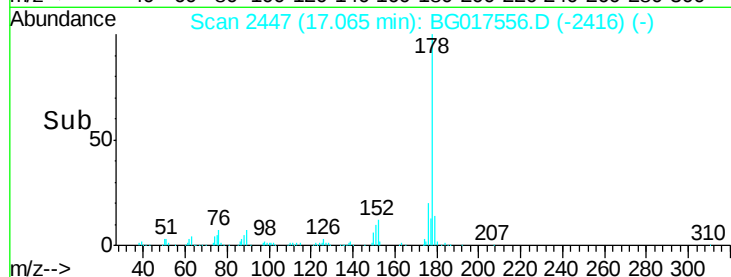
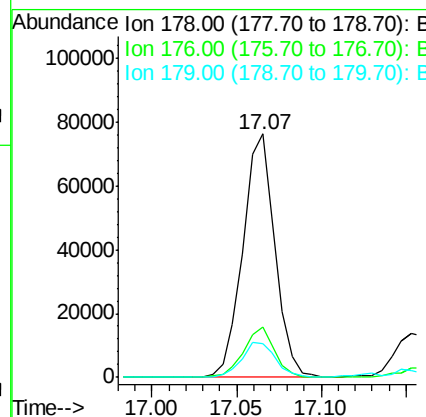
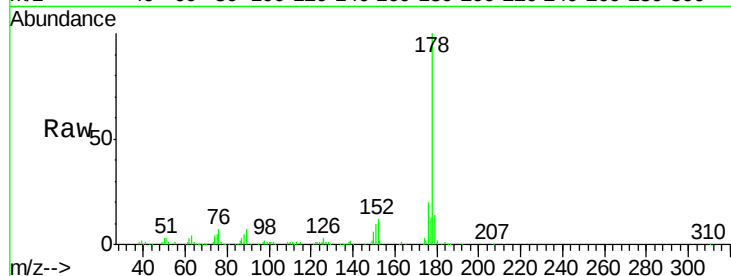
ClientSampleId :

AVE-E-NBS13.3(2)

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

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#71

Anthracene

Concen: 3.17 ng m

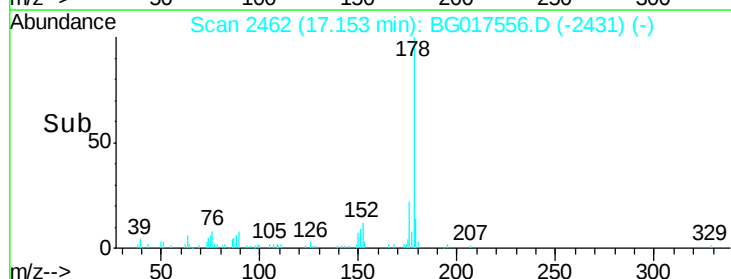
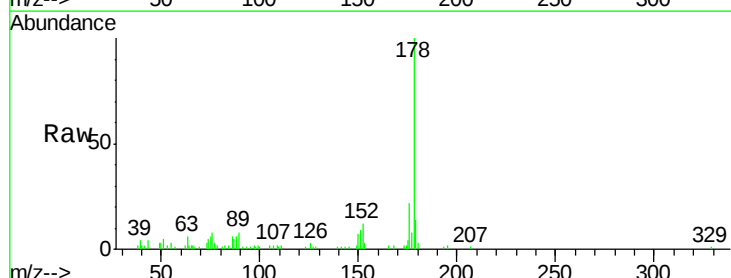
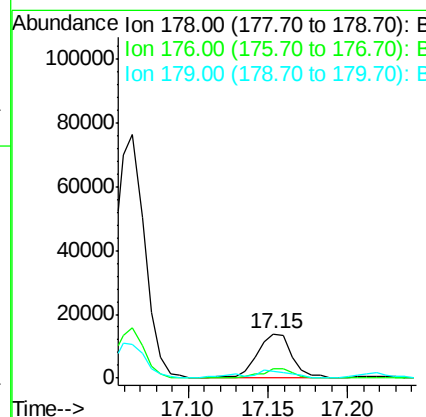
RT: 17.15 min Scan# 2462

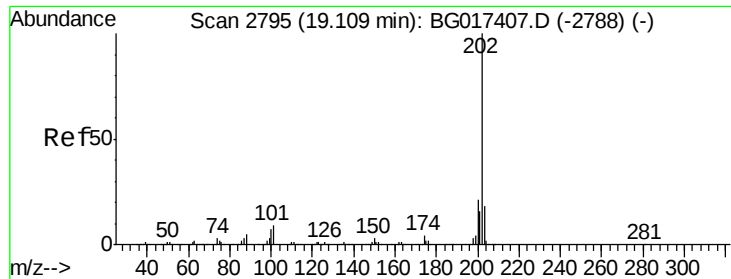
Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion:	178	Resp:	21569
Ion Ratio		Lower	Upper
178	100		
176	22.2	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

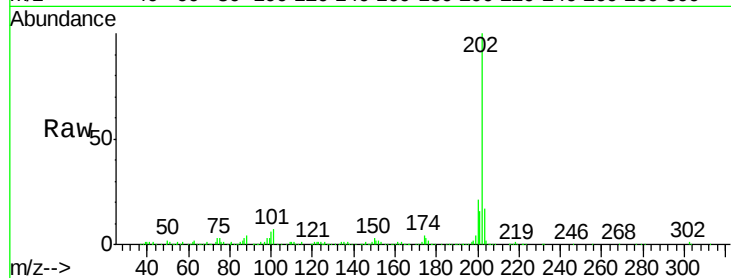
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Instrument :

BNA_G

ClientSampleId :

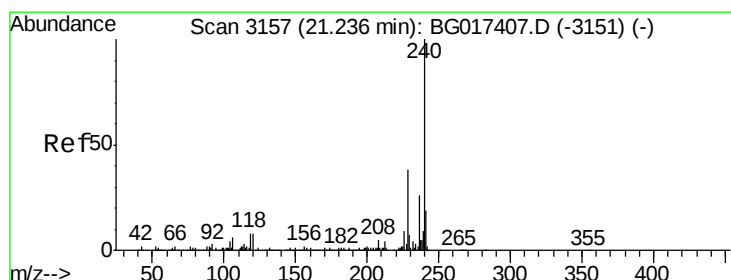
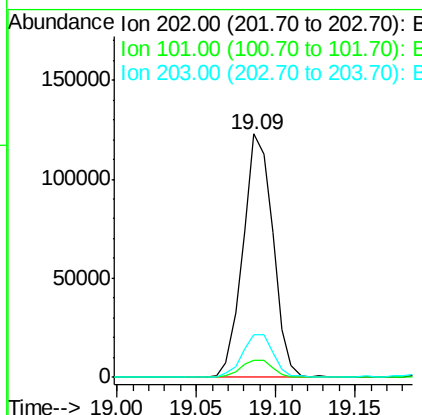
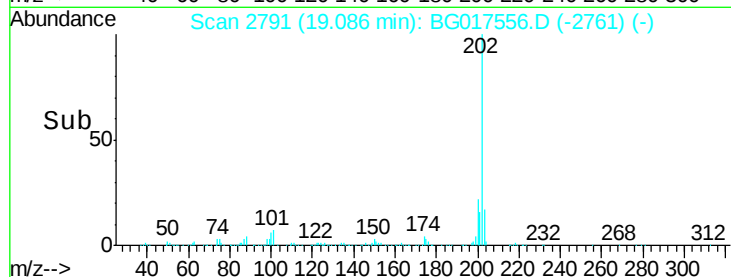
AVE-E-NBS13.3(2)



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

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#75

Chrysene-d12

Concen: 20.00 ng

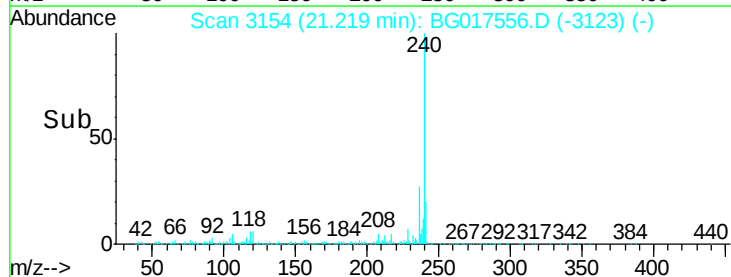
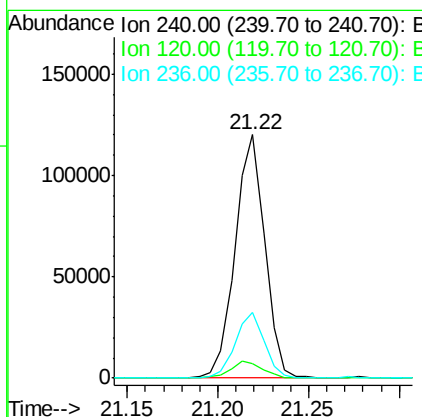
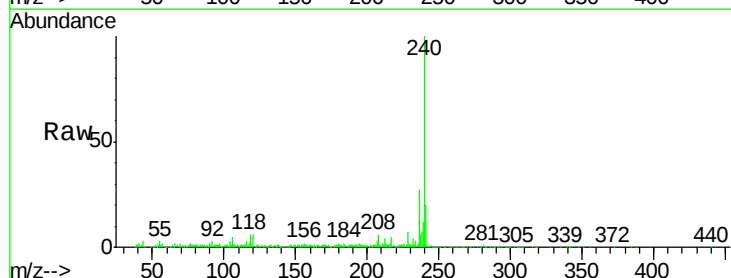
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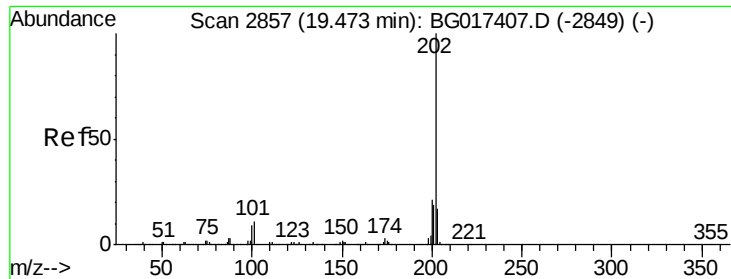
Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	136106		
120	6.0	6.5	9.7#	
236	26.9	20.8	31.2	





#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

Instrument :

BNA_G

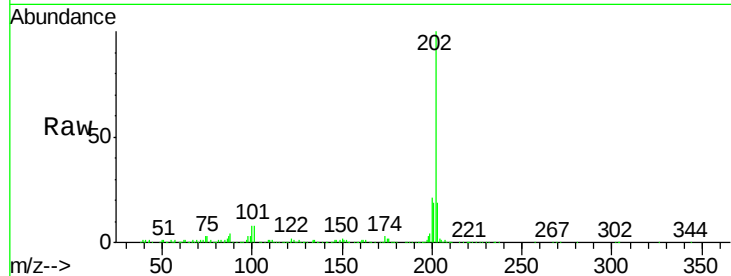
ClientSampleId :

AVE-E-NBS13.3(2)

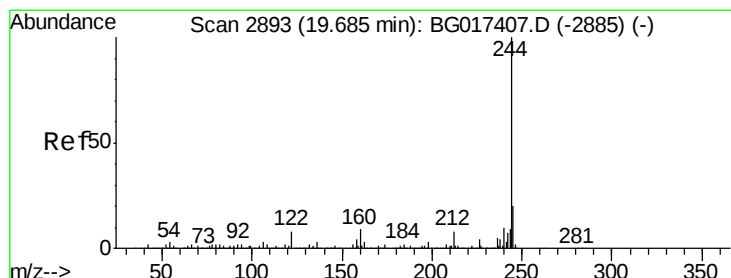
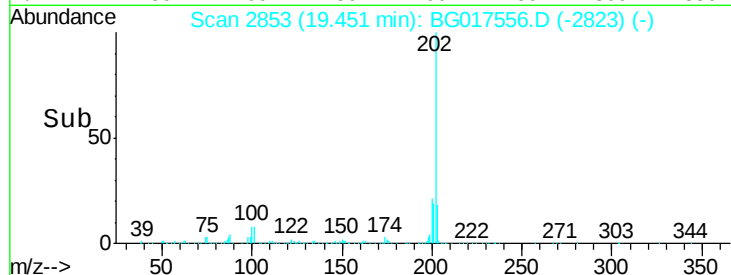
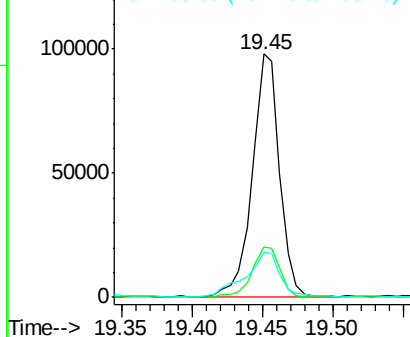
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	17.0	25.4
203	18.8	13.9	20.9

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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

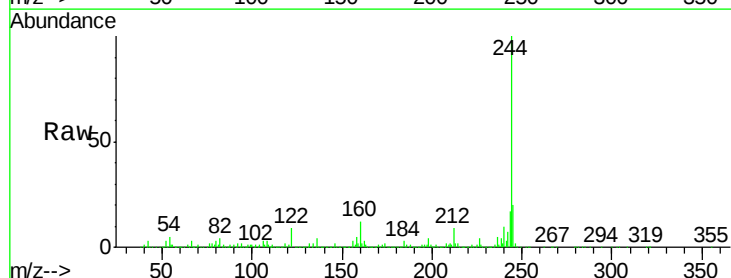
RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

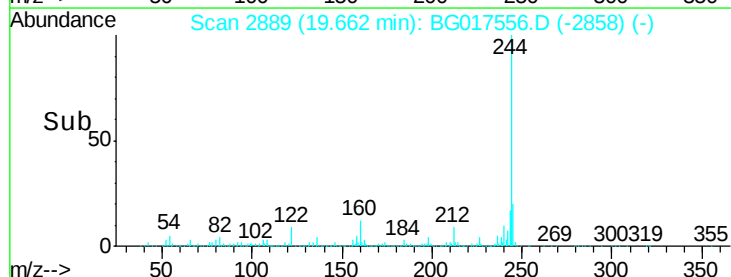
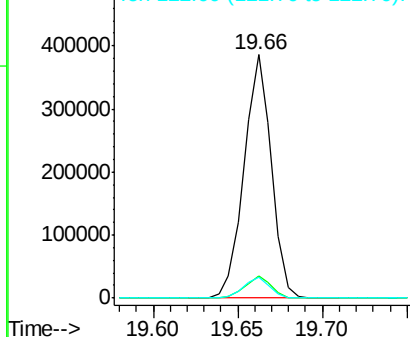
Lab File: BG017556.D

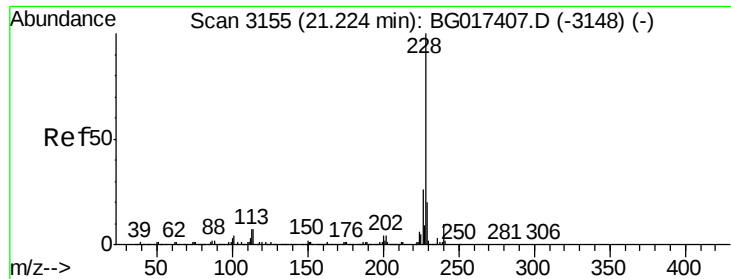
Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Resp Lower	Resp 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

Instrument :

BNA_G

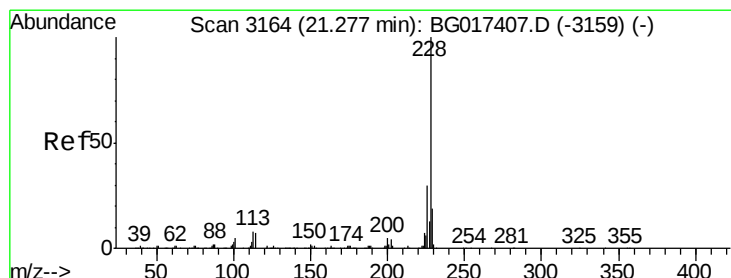
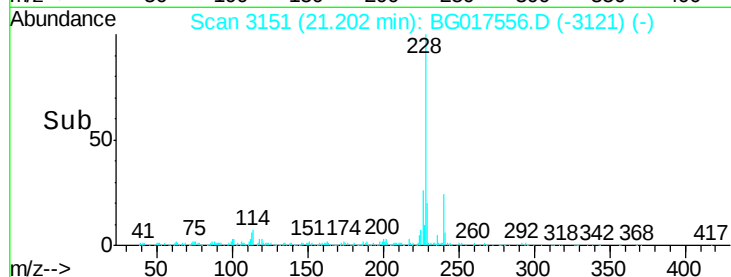
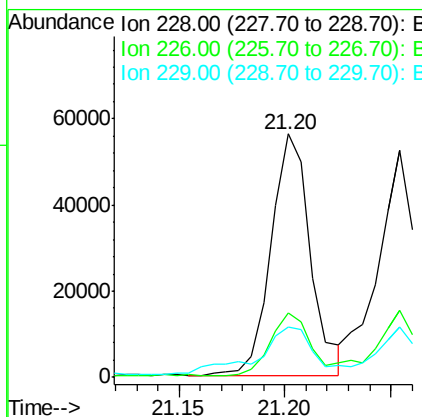
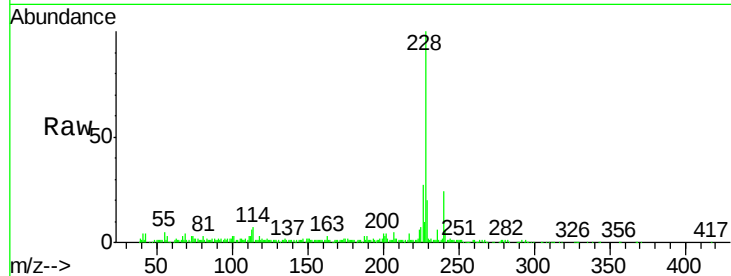
ClientSampleId :

AVE-E-NBS13.3(2)

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

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#82

Chrysene

Concen: 8.67 ng

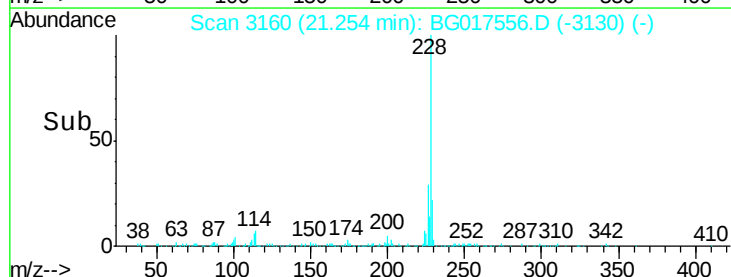
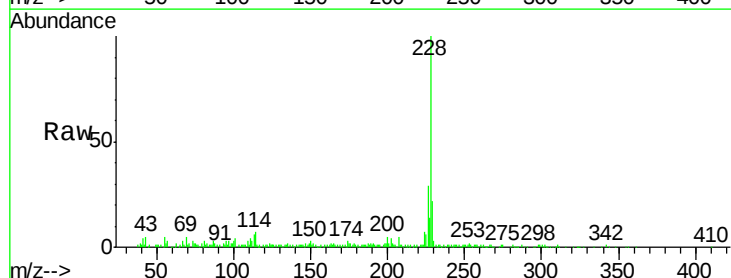
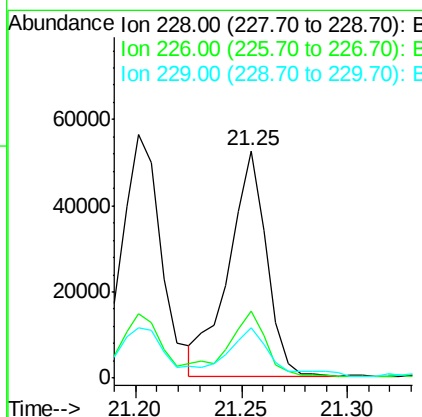
RT: 21.25 min Scan# 3160

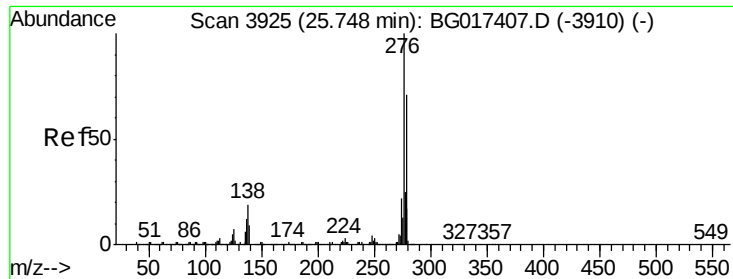
Delta R.T. -0.02 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

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





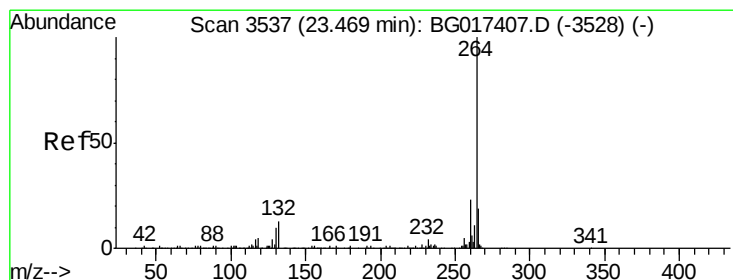
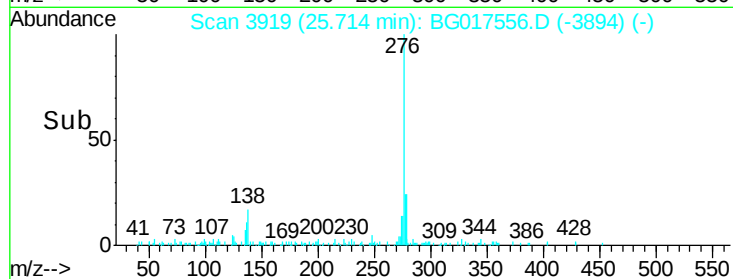
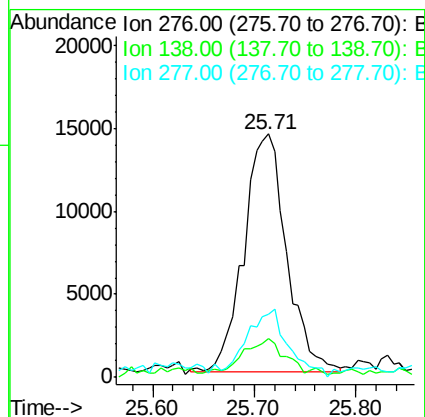
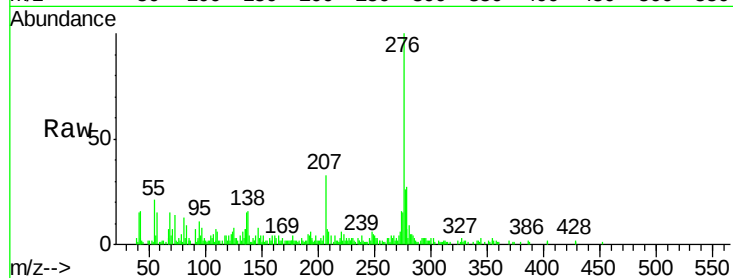
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.41 ng
 RT: 25.71 min Scan# 3919
 Delta R.T. -0.05 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.4	23.0
277	28.7	20.5	30.7

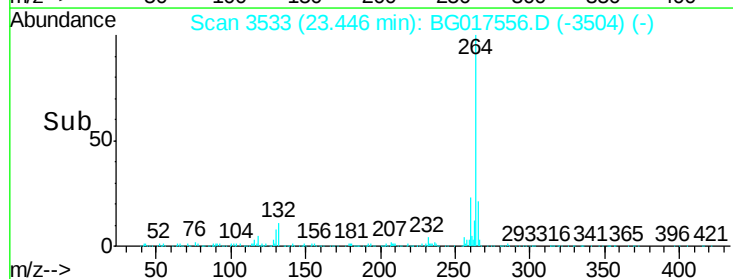
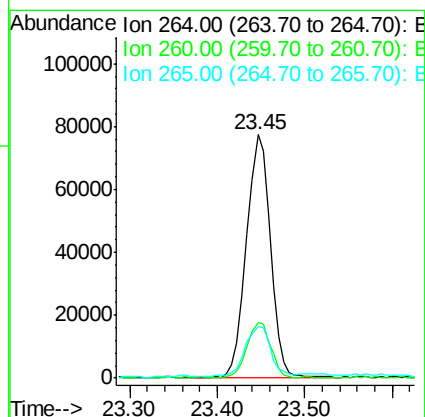
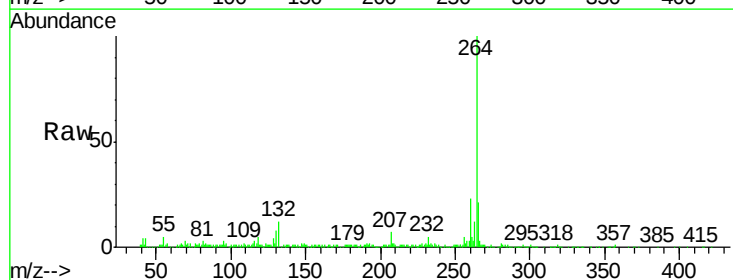
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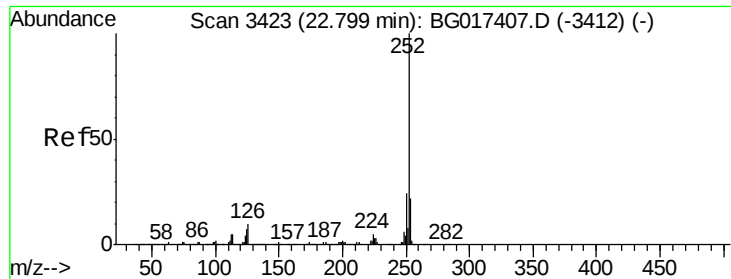
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.45 min Scan# 3533
 Delta R.T. -0.03 min
 Lab File: BG017556.D
 Acq: 9 Jun 2015 3:08

Tgt 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

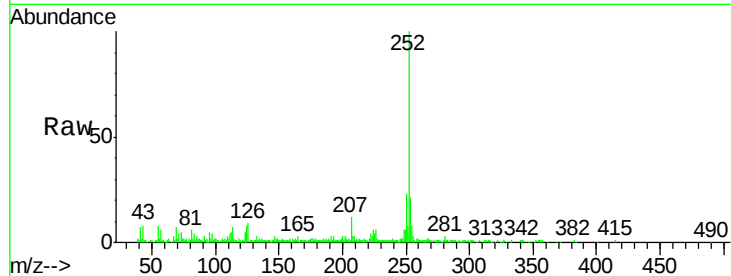
Acq: 9 Jun 2015 3:08

Instrument :

BNA_G

ClientSampleId :

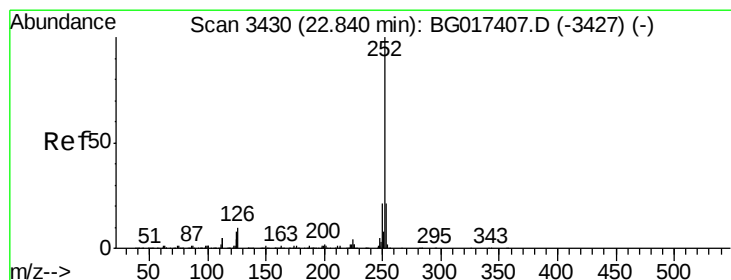
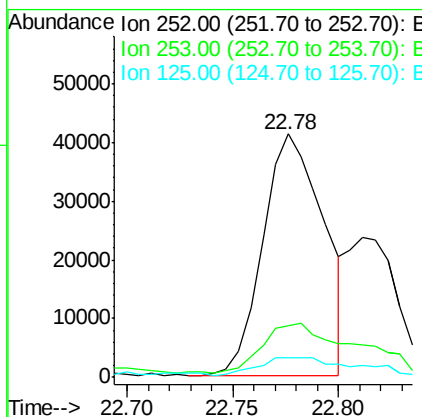
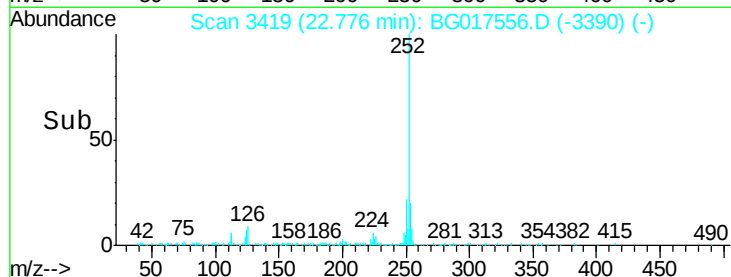
AVE-E-NBS13.3(2)



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

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#88

Benzo(k)fluoranthene

Concen: 4.42 ng m

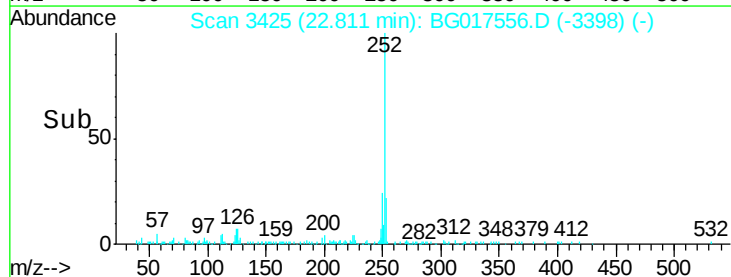
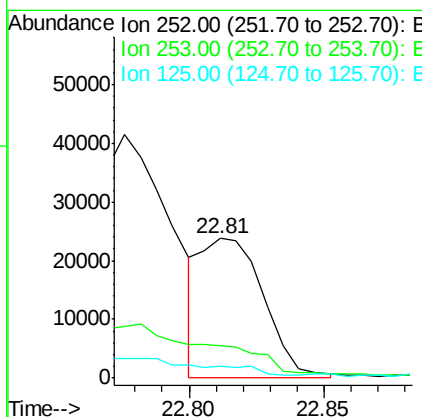
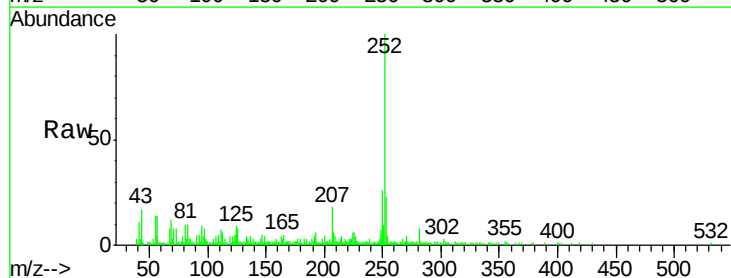
RT: 22.81 min Scan# 3425

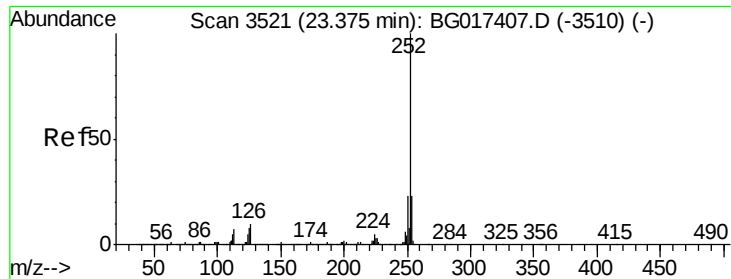
Delta R.T. -0.04 min

Lab File: BG017556.D

Acq: 9 Jun 2015 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	8.9	6.5	9.7





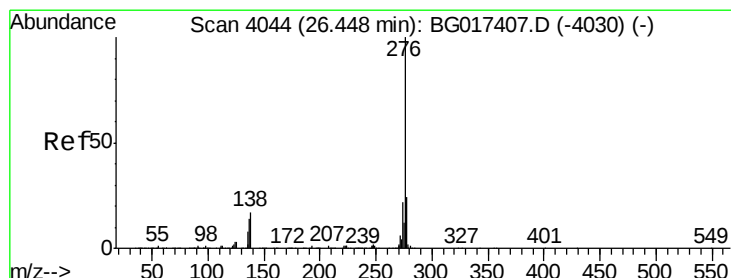
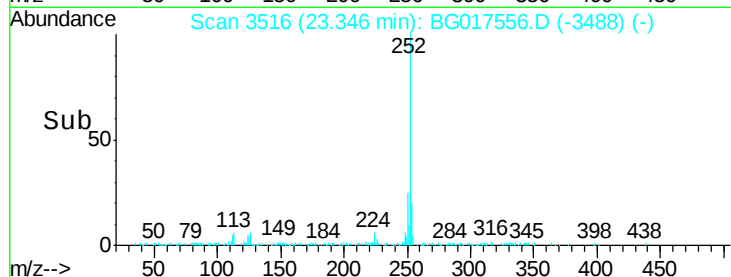
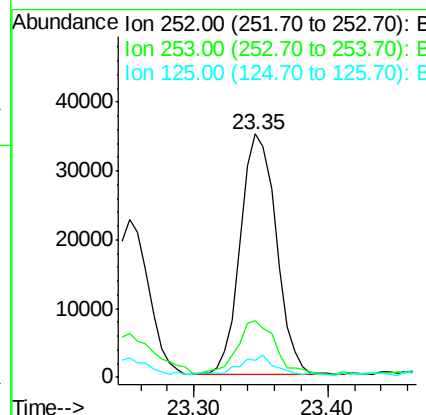
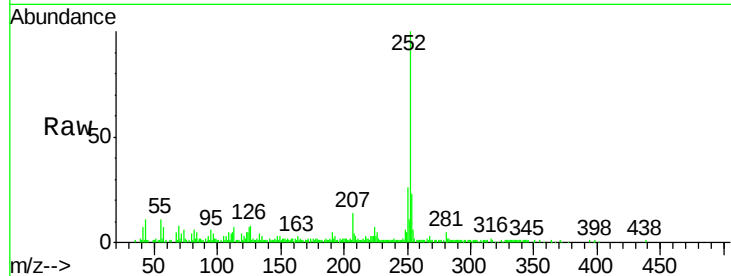
#89
Benzo(a)pyrene
Concen: 7.73 ng
RT: 23.35 min Scan# 3516
Delta R.T. -0.04 min
Lab File: BG017556.D
Acq: 9 Jun 2015 3:08

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

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

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#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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.7	19.2	28.8#
138	17.7	13.5	20.3

