

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)

Manual Integrations
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Quant Time: Jun 09 06:24:48 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
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	106096m	13.16	ng	
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	22.81	252	62706m	7.04	ng	
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

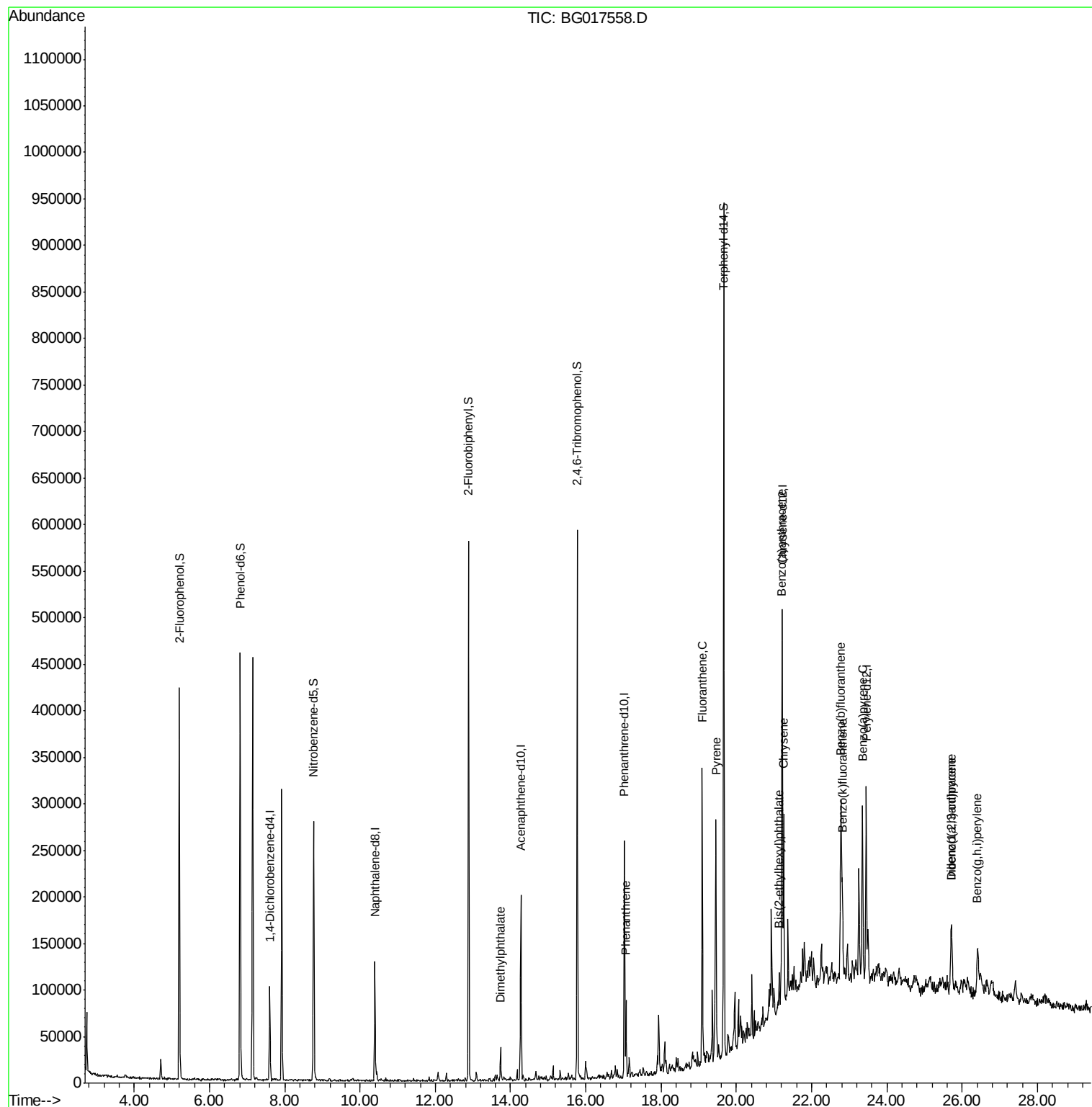
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017558.D
Acq On : 9 Jun 2015 4:18
Operator : TP/IZ
Sample : G2450-34
Misc :
ALS Vial : 18 Sample Multiplier: 1

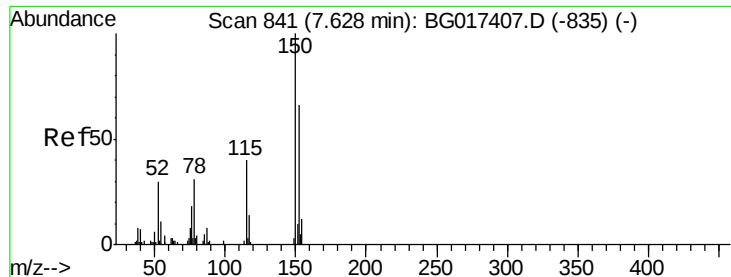
Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.2(3)

Manual Integrations
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Quant Time: Jun 09 06:24:48 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

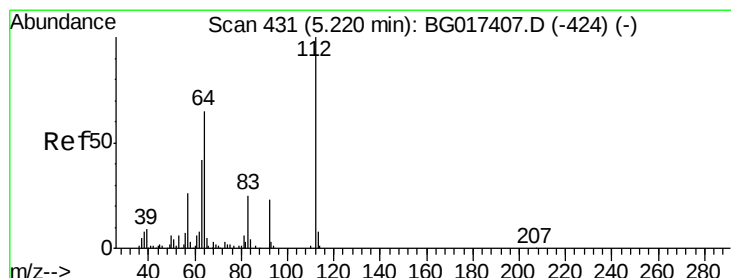
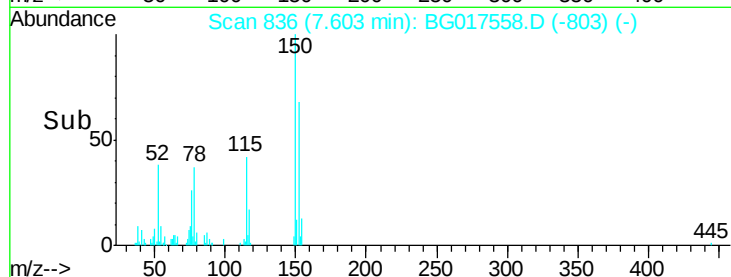
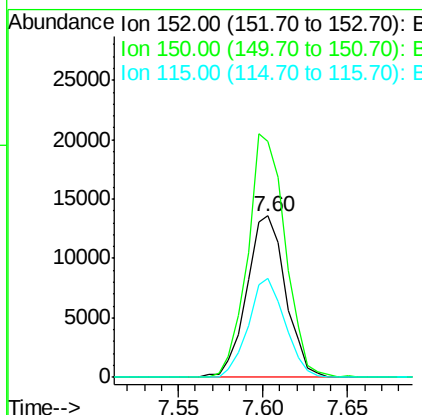
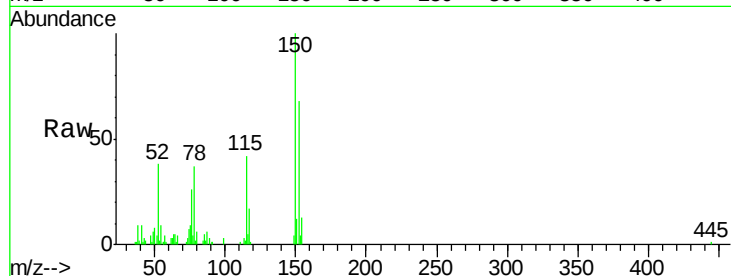
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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

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

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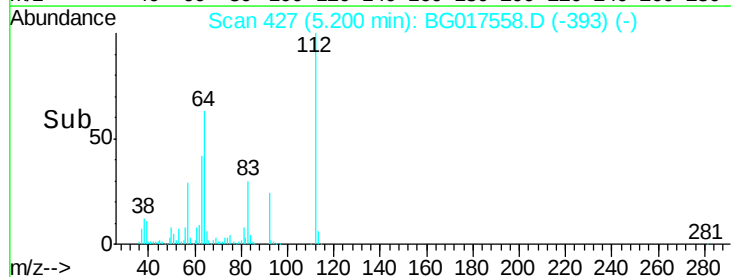
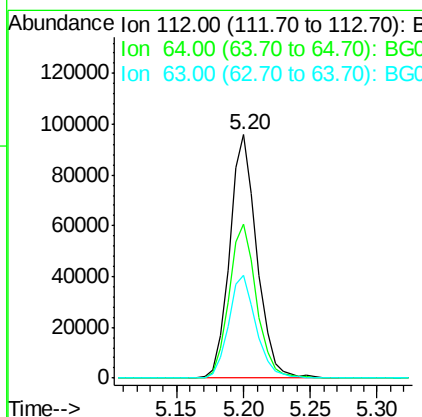
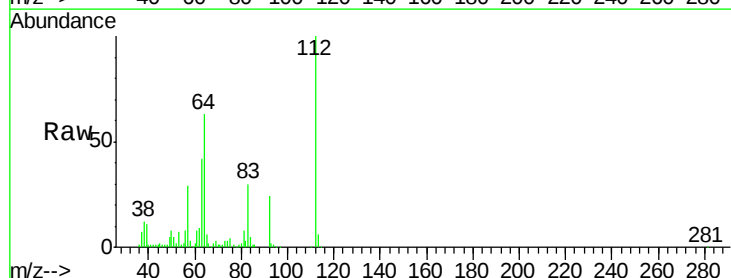
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#5

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	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

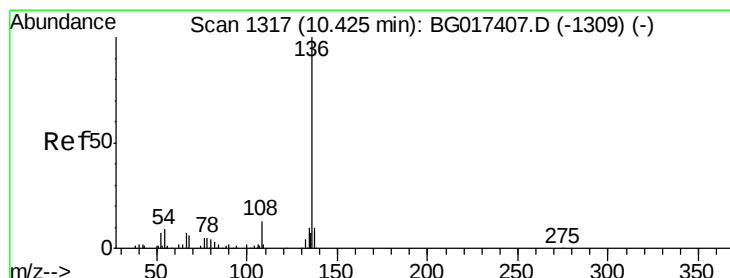
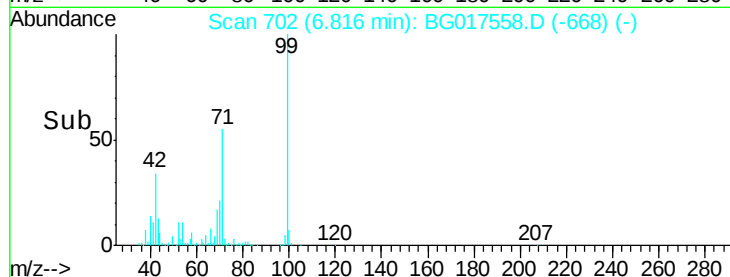
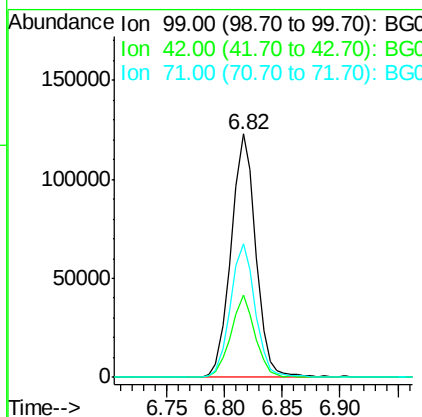
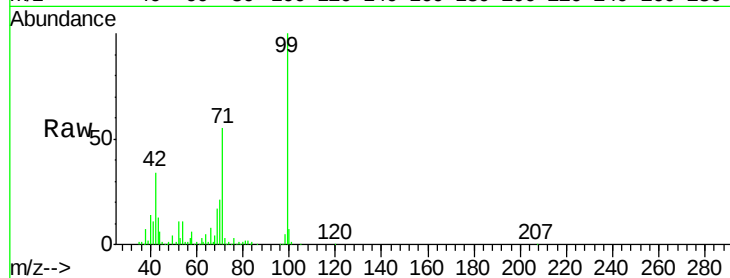
42 33.9 21.0 31.6#

71 55.0 37.2 55.8

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#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

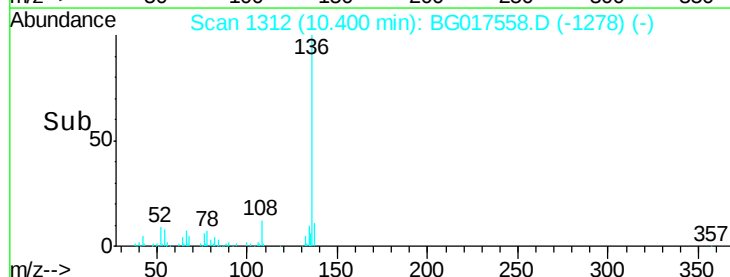
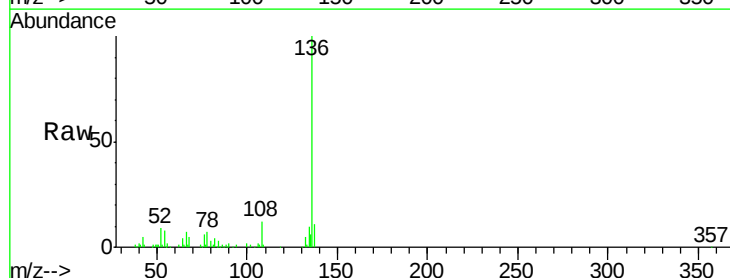
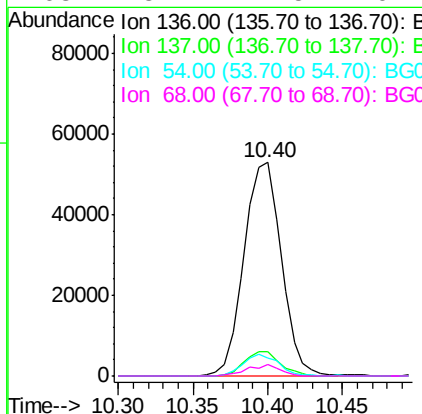
Ion Ratio Lower Upper

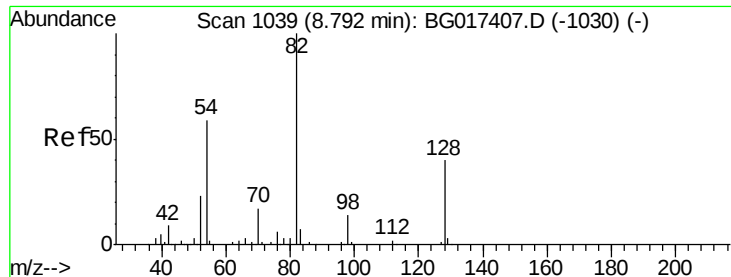
136 100

137 11.2 7.9 11.9

54 8.3 7.2 10.8

68 5.1 4.5 6.7





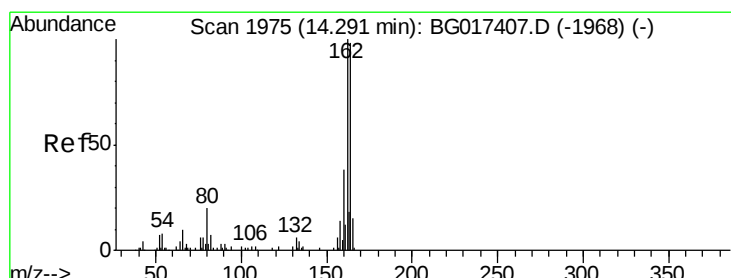
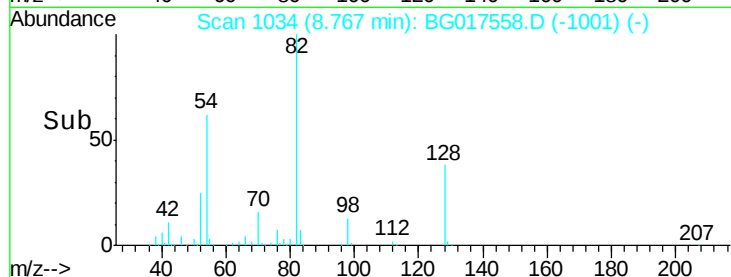
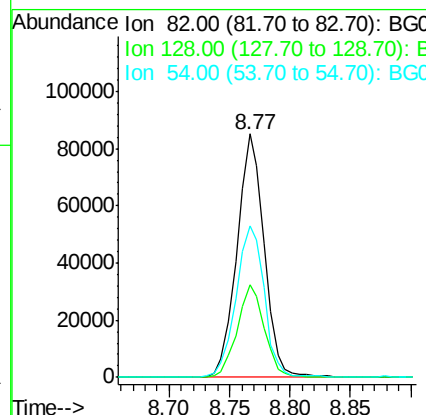
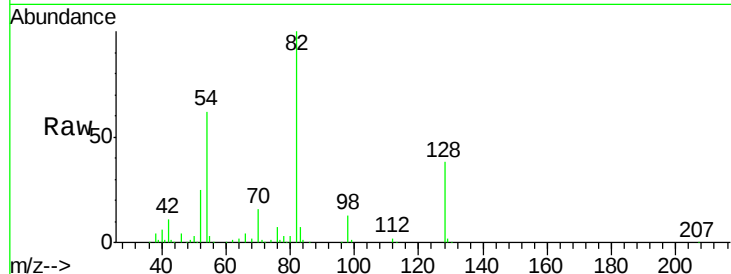
#23
 Nitrobenzene-d5
 Concen: 72.67 ng
 RT: 8.77 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

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

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

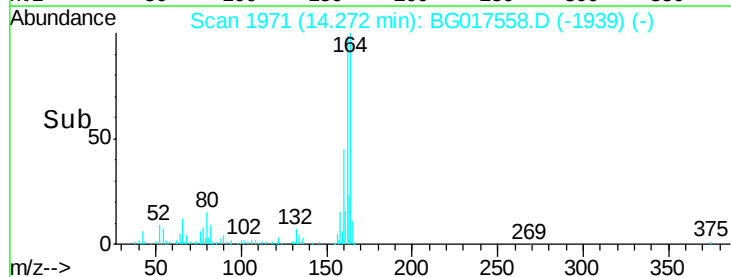
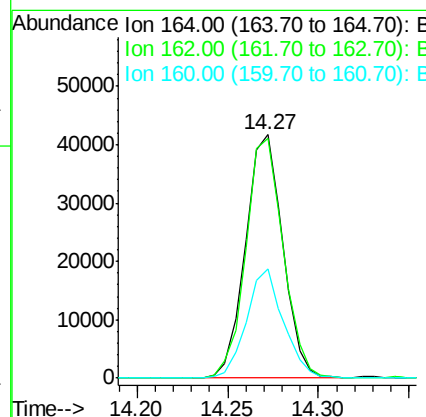
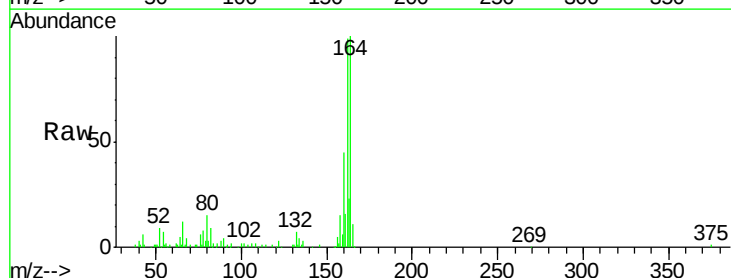
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: BG017558.D
 Acq: 9 Jun 2015 4:18

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





#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

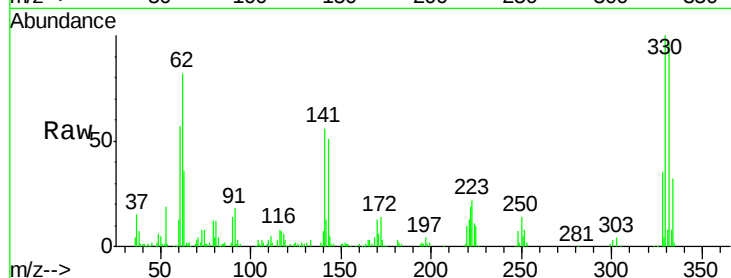
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Instrument :

BNA_G

ClientSampleId :

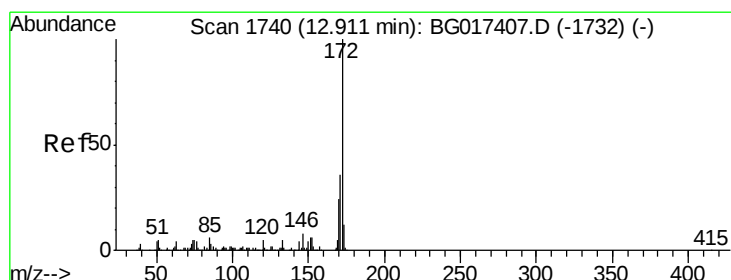
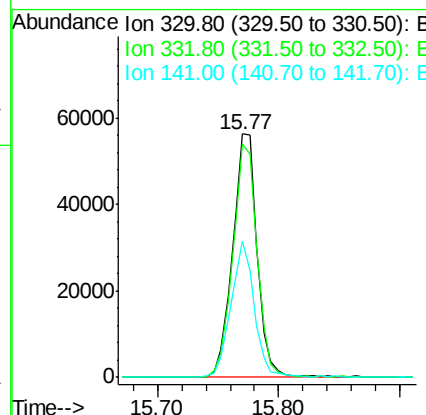
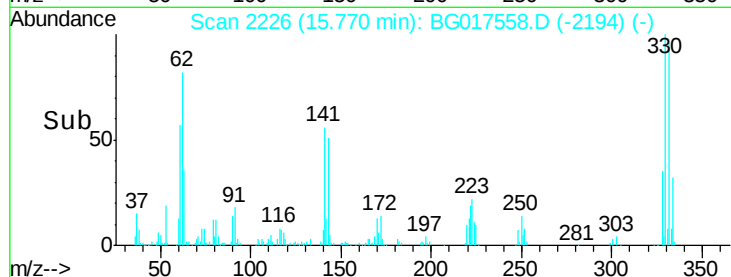
AVE-E-NBS13.2(3)



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

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#44

2-Fluorobiphenyl

Concen: 61.64 ng

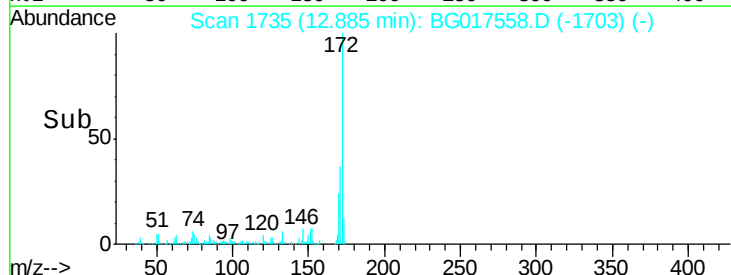
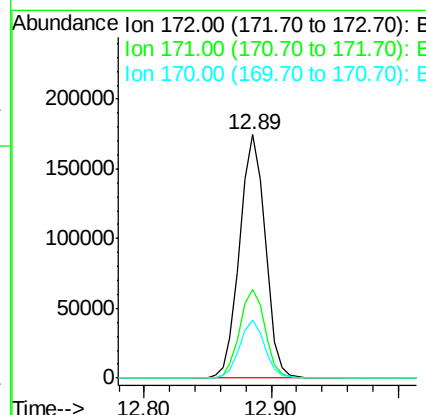
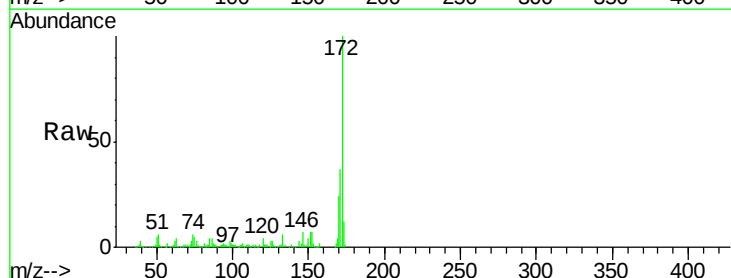
RT: 12.89 min Scan# 1735

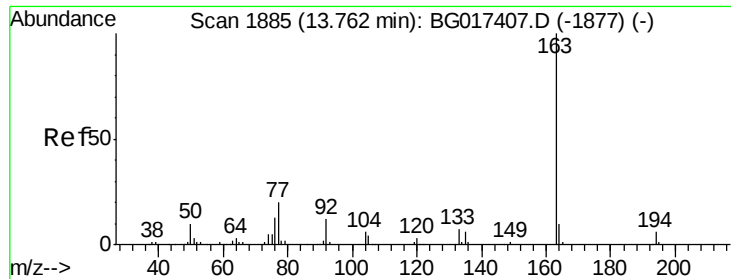
Delta R.T. -0.01 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

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





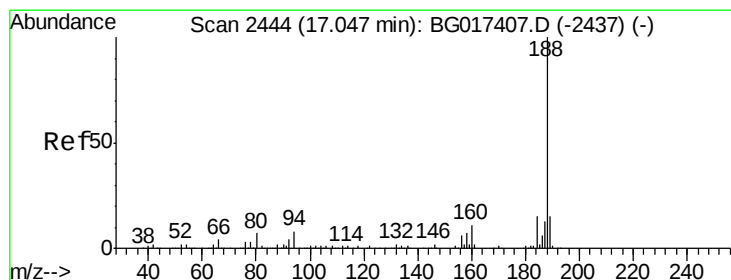
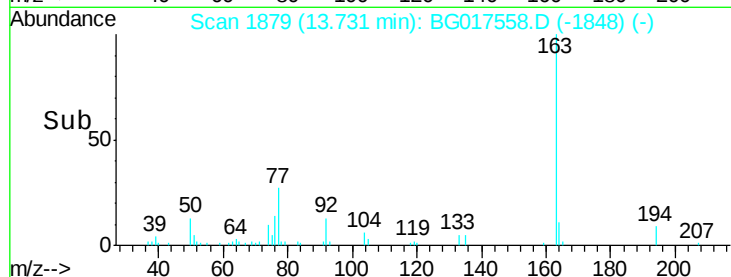
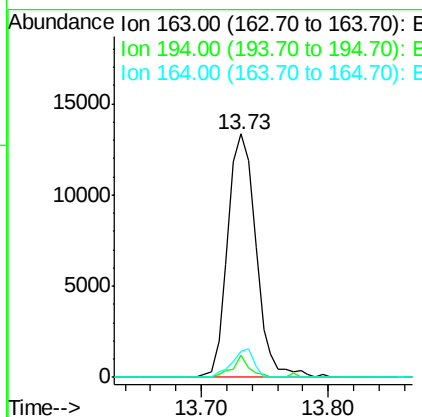
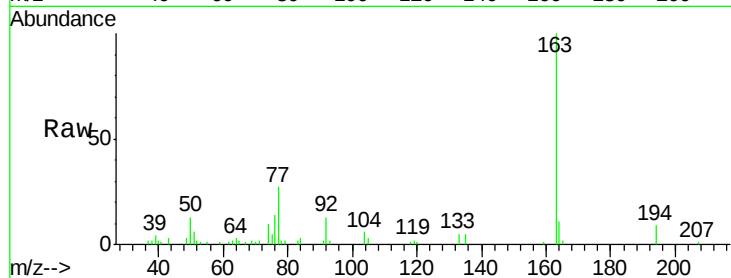
#49
Dimethylphthalate
Concen: 3.98 ng
RT: 13.73 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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

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

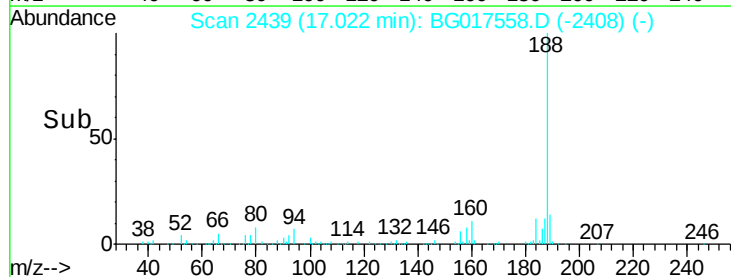
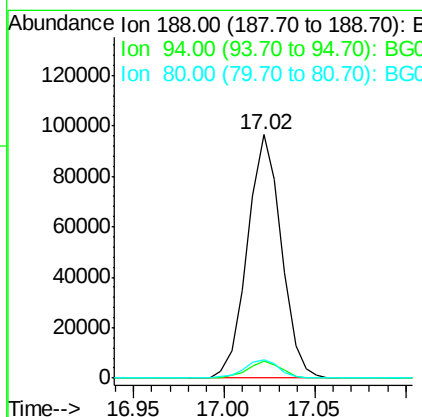
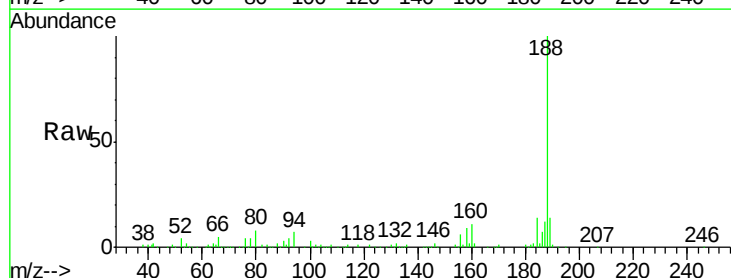
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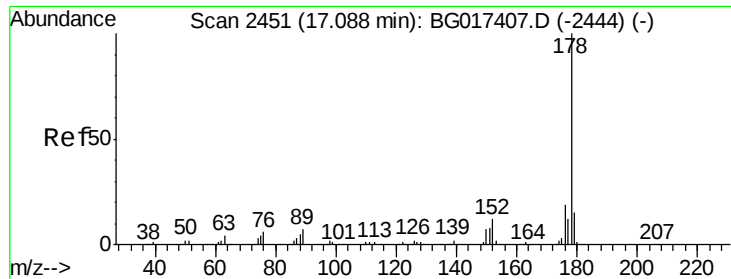
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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





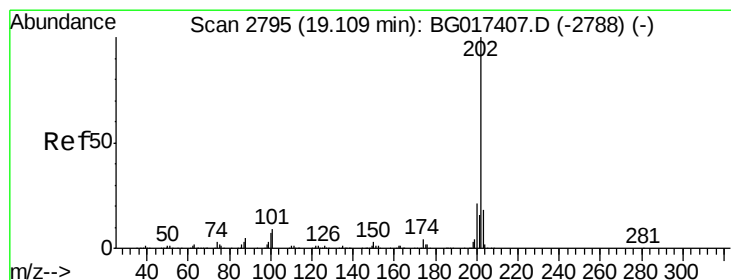
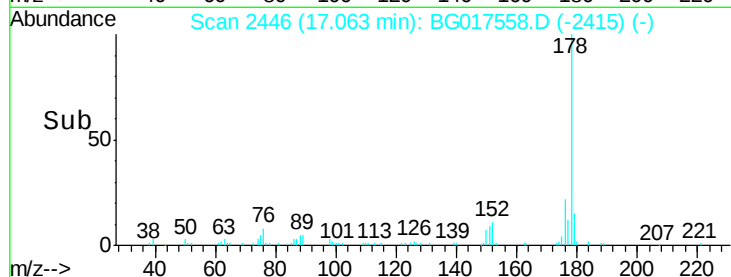
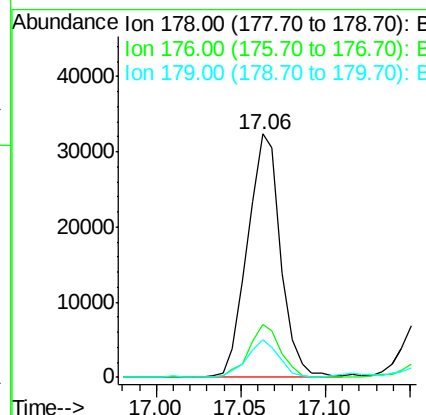
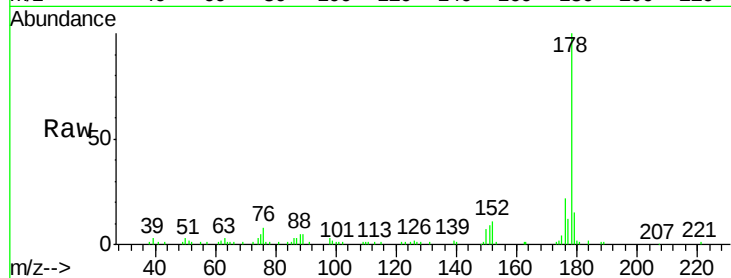
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Phenanthrene
Concen: 6.34 ng
RT: 17.06 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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

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

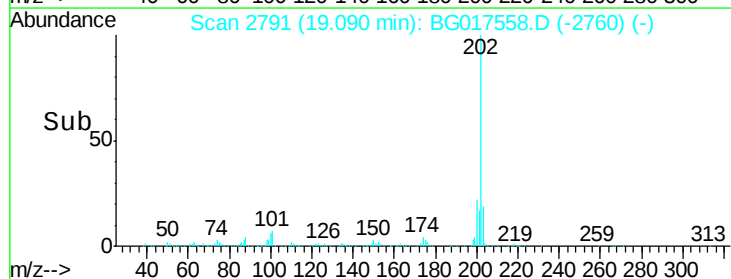
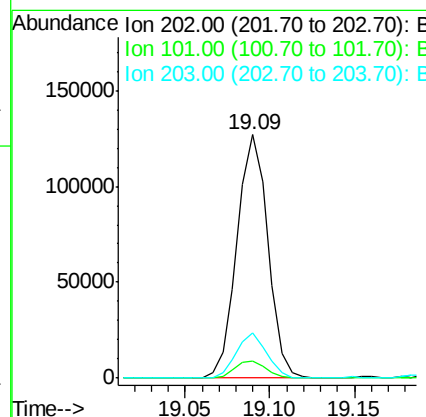
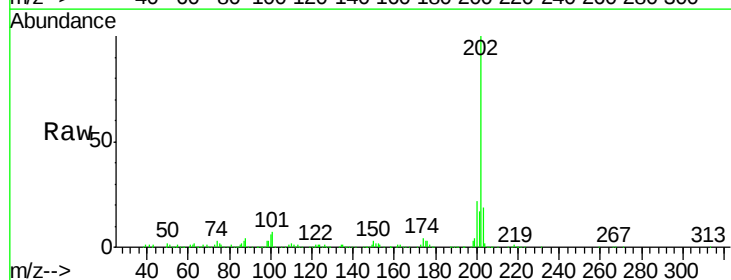
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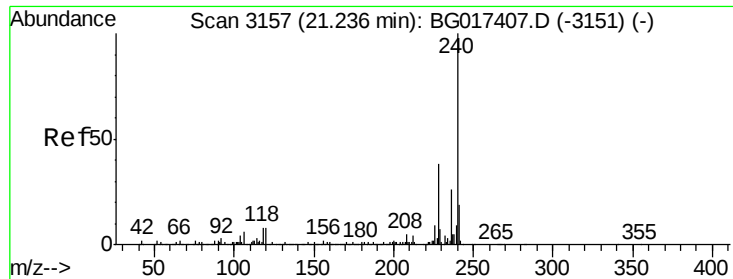
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#74
Fluoranthene
Concen: 17.74 ng
RT: 19.09 min Scan# 2791
Delta R.T. -0.02 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.8
203	18.8	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG017558.D

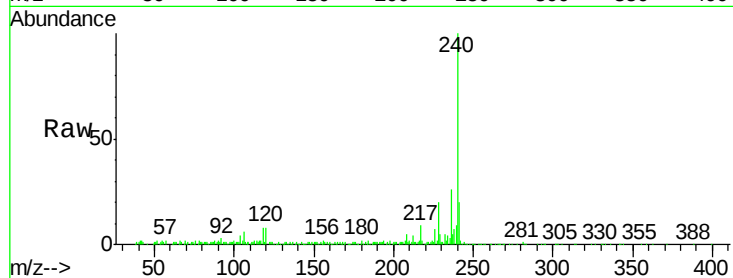
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Instrument :

BNA_G

ClientSampleId :

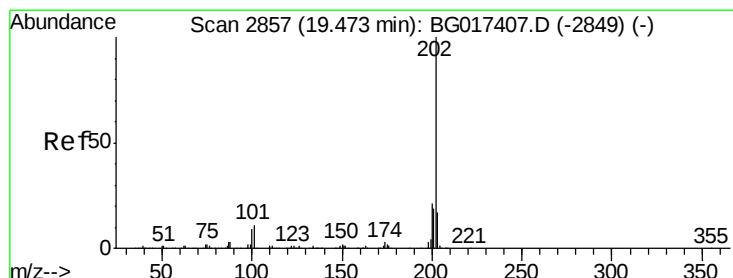
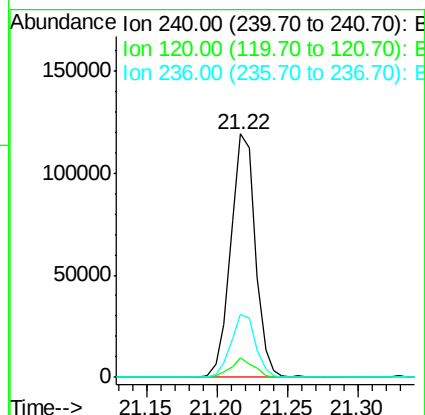
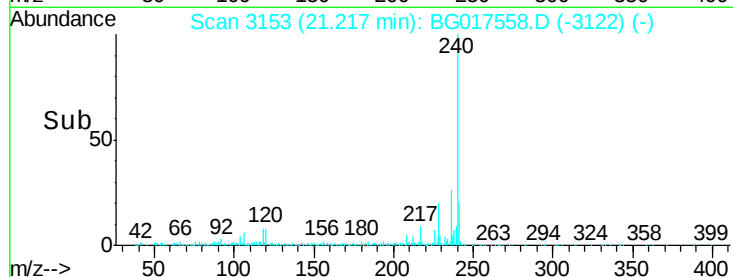
AVE-E-NBS13.2(3)



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	144750		
120	8.0	6.5	9.7	
236	25.9	20.8	31.2	

Manual Integrations
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#77

Pyrene

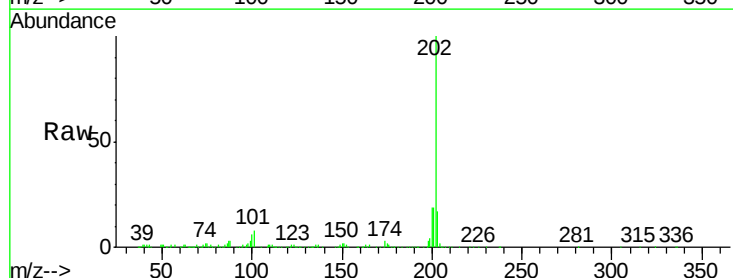
Concen: 16.81 ng

RT: 19.45 min Scan# 2853

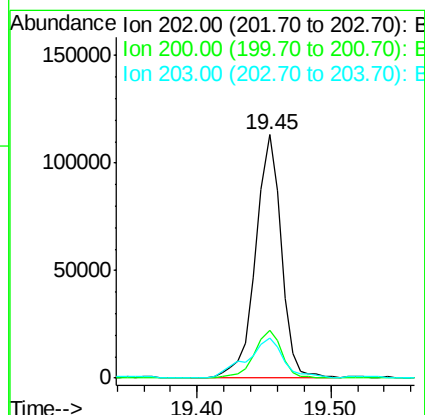
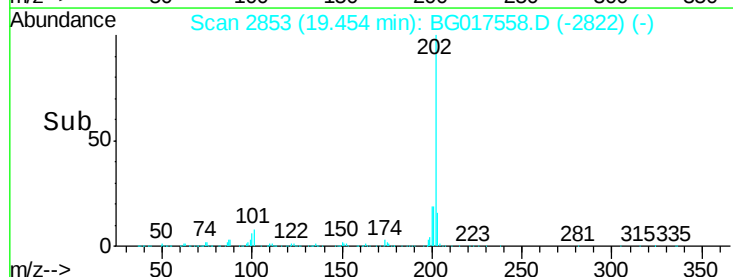
Delta R.T. -0.02 min

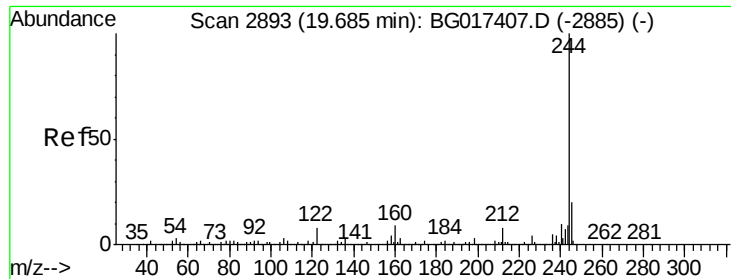
Lab File: BG017558.D

Acq: 9 Jun 2015 4:18



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	149890		
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

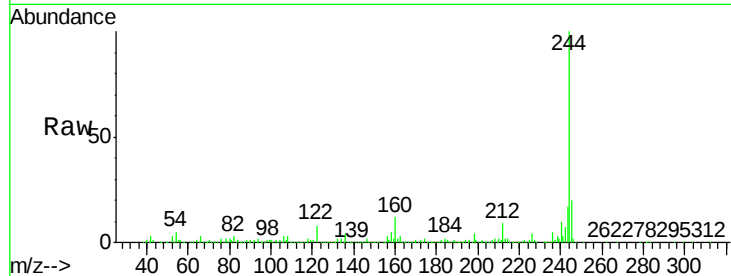
Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

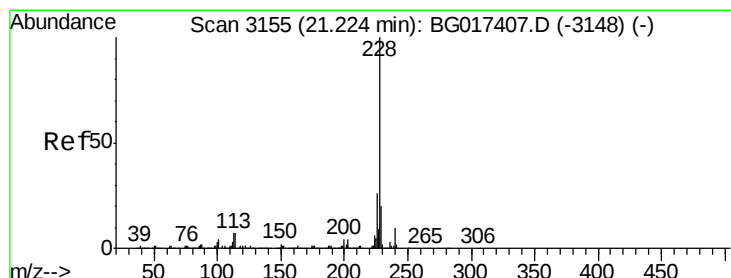
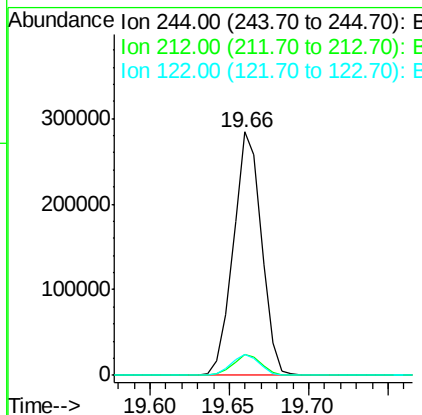
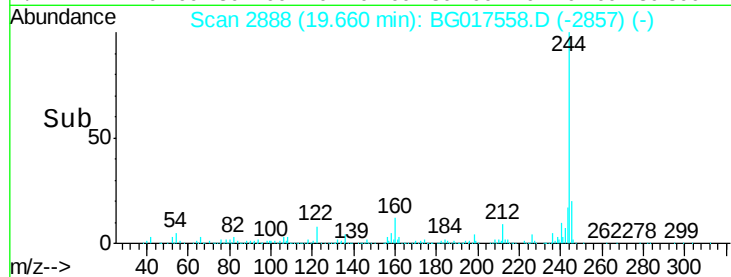
AVE-E-NBS13.2(3)



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

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#80

Benzo(a)anthracene

Concen: 13.04 ng

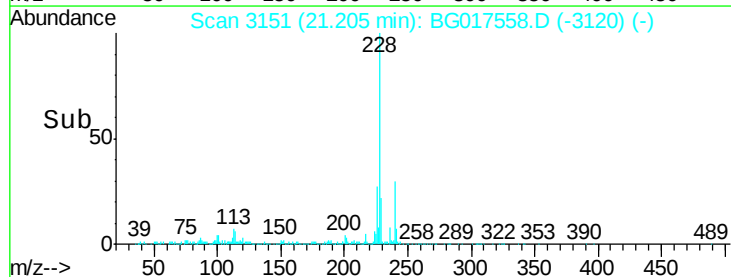
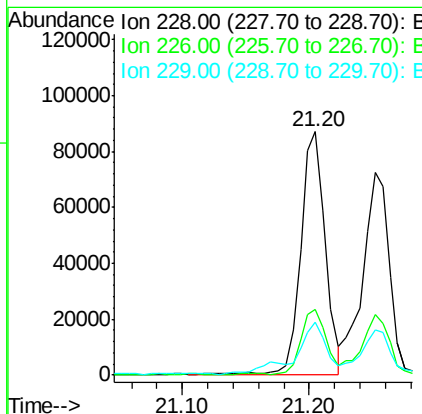
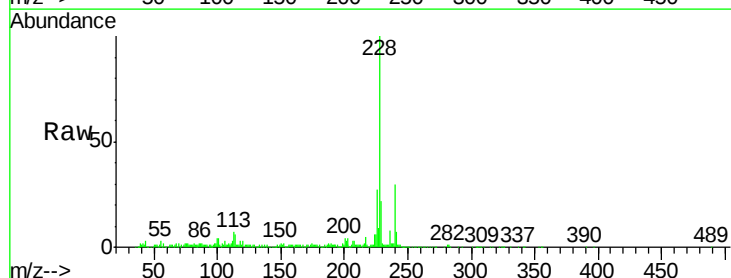
RT: 21.20 min Scan# 3151

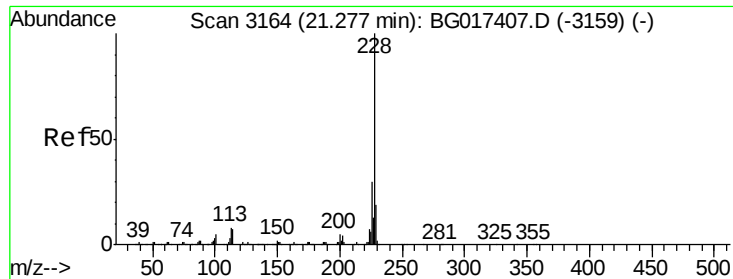
Delta R.T. -0.02 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.0	21.0	31.6	
229	22.0	15.7	23.5	





#82

Chrysene

Concen: 13.16 ng m

RT: 21.25 min Scan# 3159

Delta R.T. -0.03 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

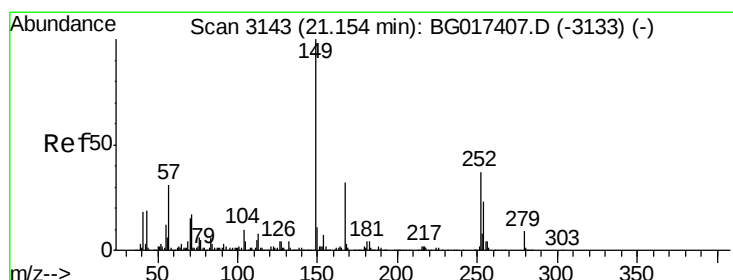
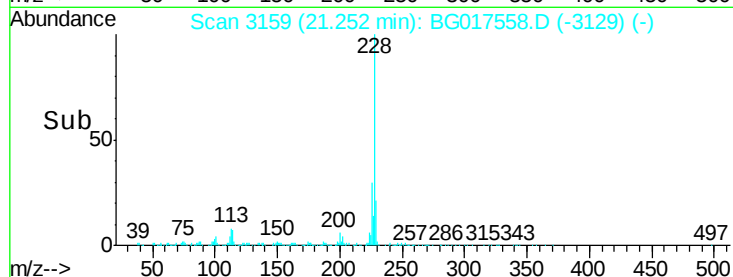
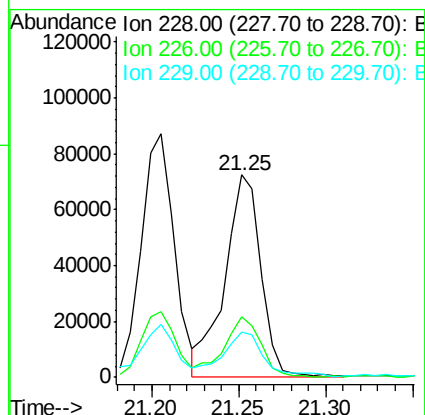
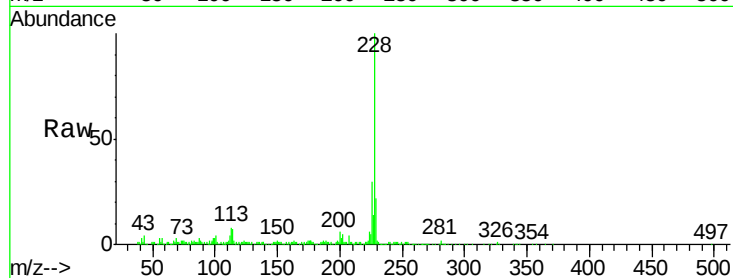
ClientSampleId :

AVE-E-NBS13.2(3)

Tgt Ion:	228	Resp:	106096
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.7	35.5
229	22.0	15.2	22.8

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.13 ng

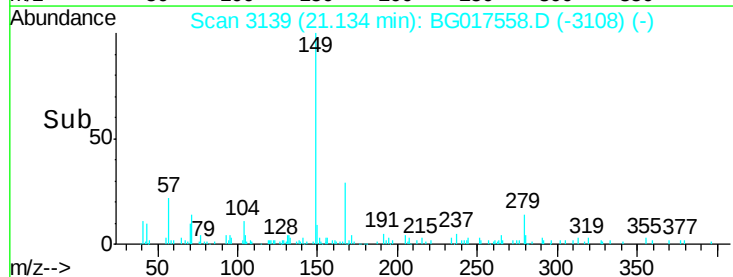
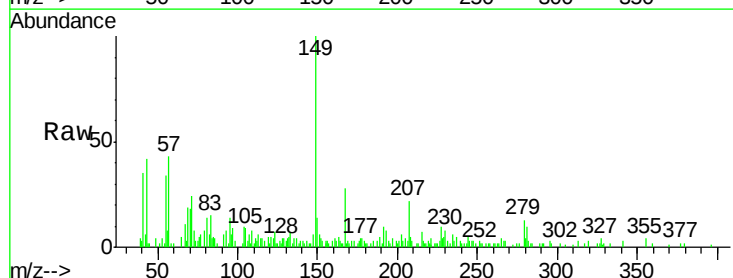
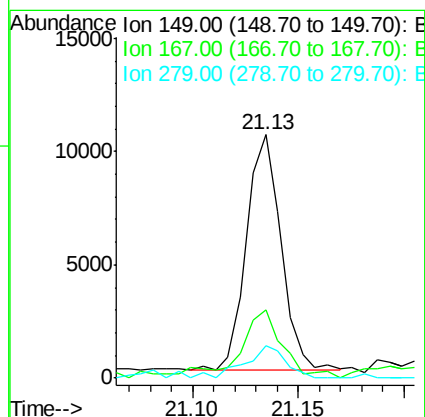
RT: 21.13 min Scan# 3139

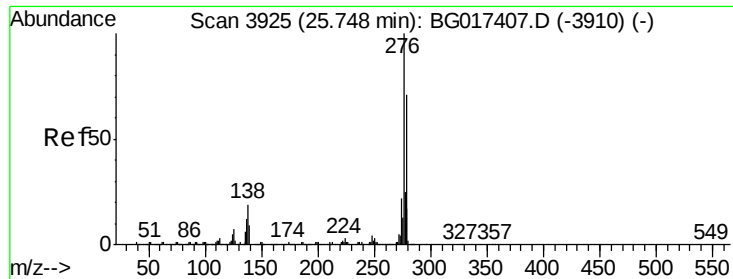
Delta R.T. -0.02 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

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#





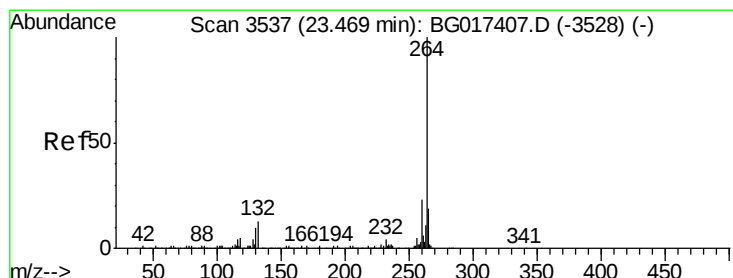
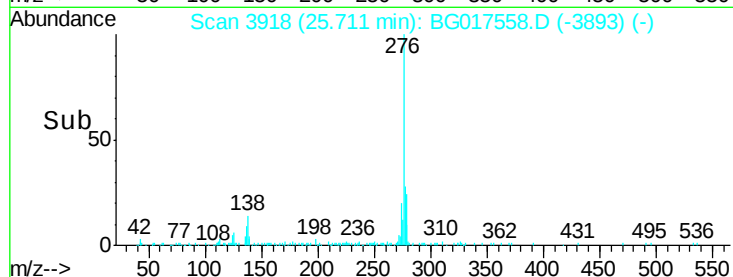
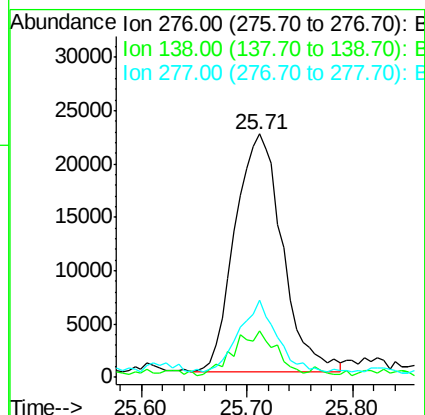
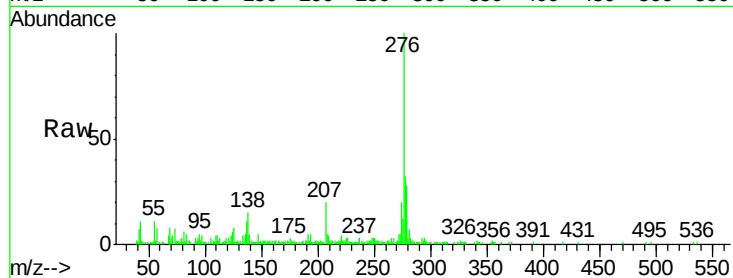
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.87 ng
RT: 25.71 min Scan# 3918
Delta R.T. -0.06 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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

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

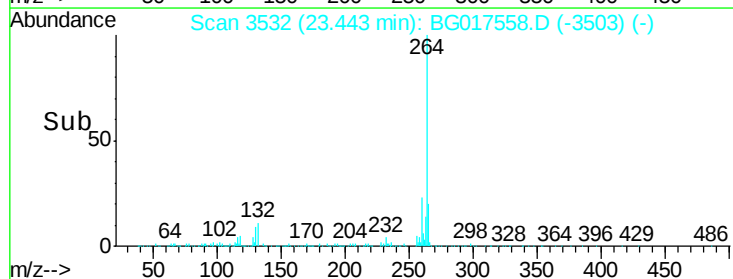
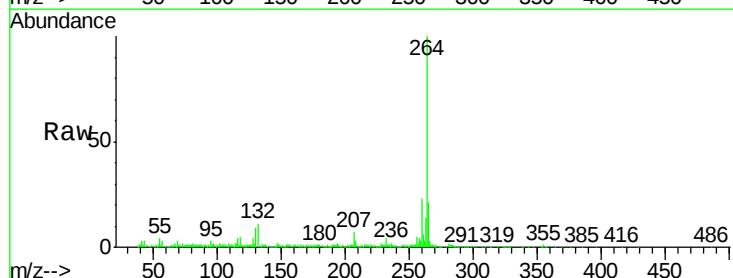
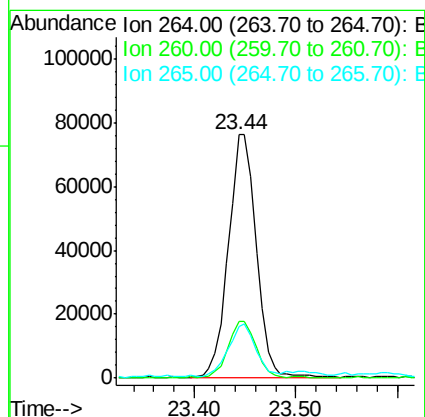
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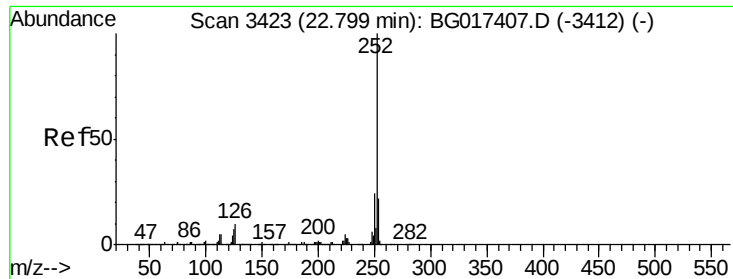
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.44 min Scan# 3532
Delta R.T. -0.03 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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





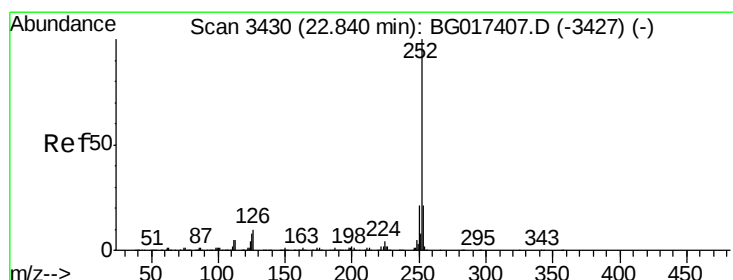
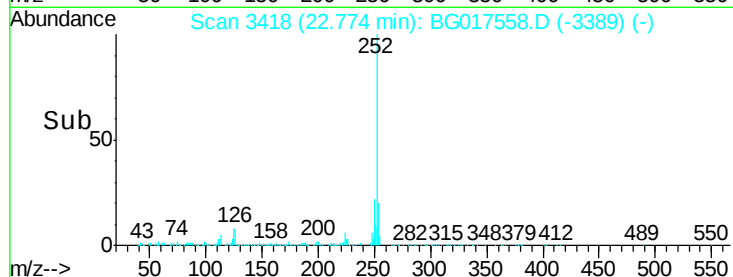
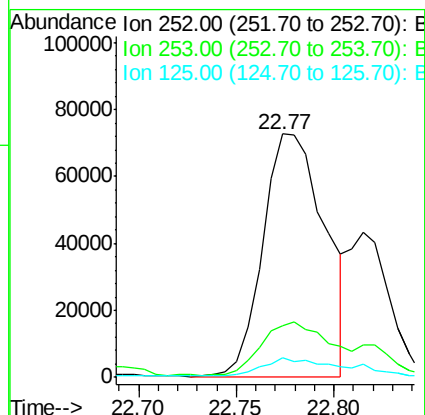
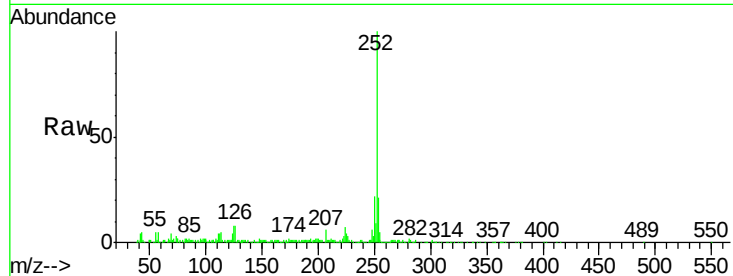
#87
Benzo(b)fluoranthene
Concen: 17.13 ng
RT: 22.77 min Scan# 3418
Delta R.T. -0.03 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

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

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

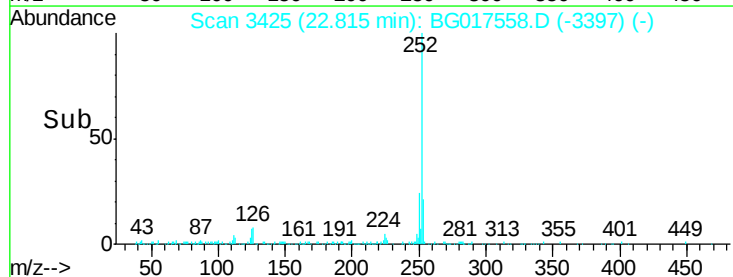
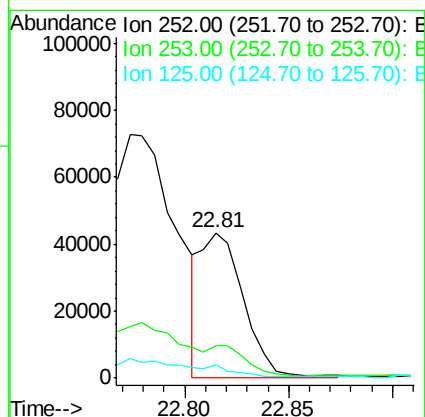
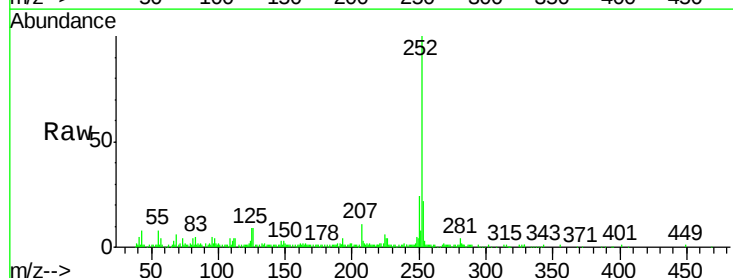
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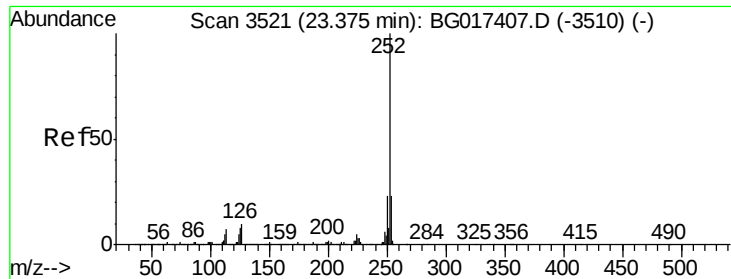
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#88
Benzo(k)fluoranthene
Concen: 7.04 ng m
RT: 22.81 min Scan# 3425
Delta R.T. -0.04 min
Lab File: BG017558.D
Acq: 9 Jun 2015 4:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.7	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

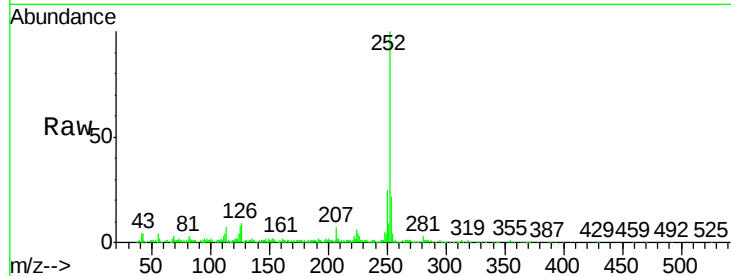
Acq: 9 Jun 2015 4:18

Instrument :

BNA_G

ClientSampleId :

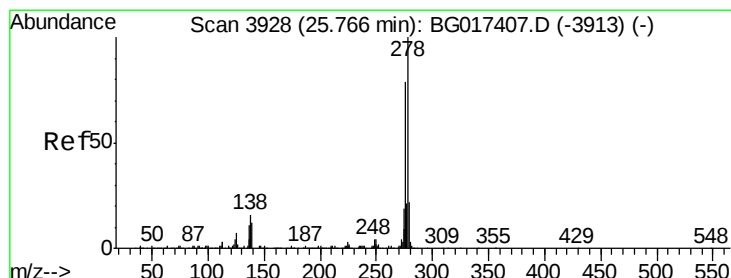
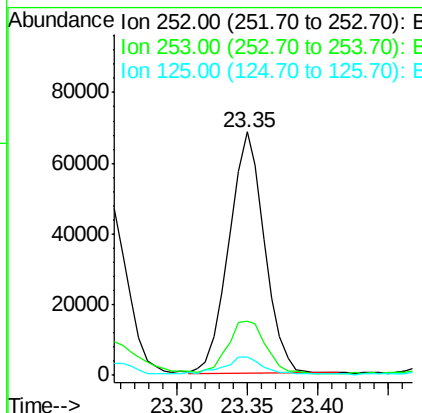
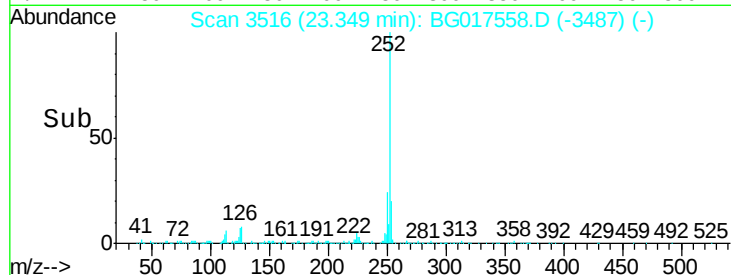
AVE-E-NBS13.2(3)



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

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#90

Dibenzo(a,h)anthracene

Concen: 2.13 ng

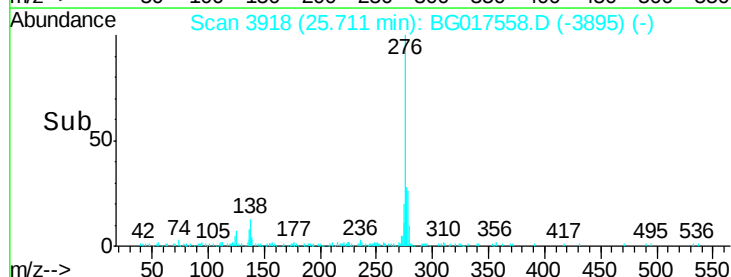
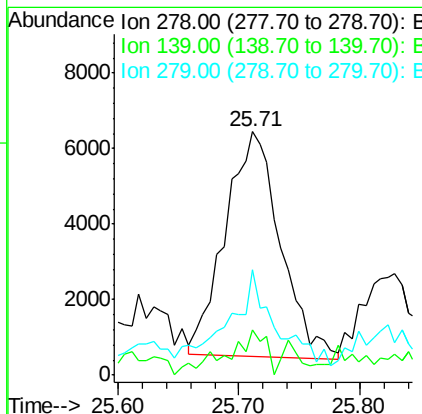
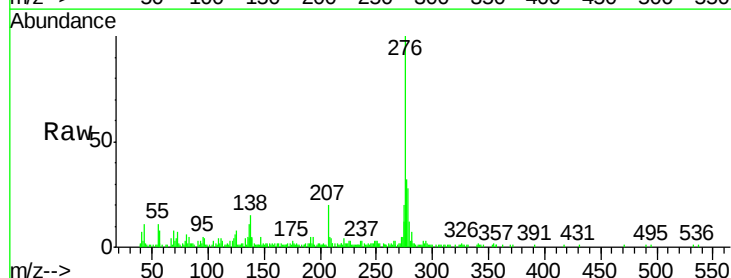
RT: 25.71 min Scan# 3918

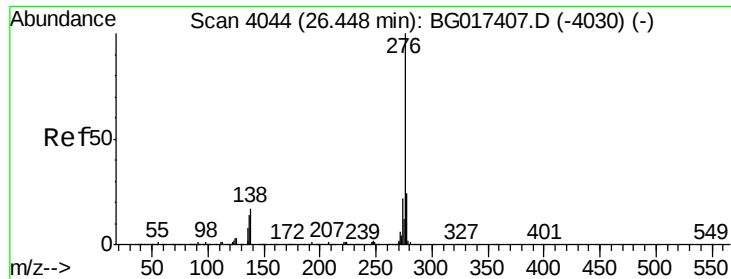
Delta R.T. -0.07 min

Lab File: BG017558.D

Acq: 9 Jun 2015 4:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	9.4	14.0#
279	43.1	17.8	26.8#





#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

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.2	28.8
138	11.9	13.5	20.3

Manual Integrations
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