

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017543.D
 Acq On : 8 Jun 2015 15:09
 Operator : TP/IZ
 Sample : G2464-17 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-14AS

Manual Integrations
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Quant Time: Jun 09 02:31:47 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	7.61	152	16356	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	69489	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	45472	20.00	ng	0.00
63) Phenanthrene-d10	17.03	188	96822	20.00	ng	0.00
75) Chrysene-d12	21.23	240	108443	20.00	ng	0.00
86) Perylene-d12	23.47	264	112933	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	18636	20.07	ng	0.00
7) Phenol-d6	6.82	99	25470	20.14	ng	0.00
23) Nitrobenzene-d5	8.77	82	18088	12.99	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	10184	16.12	ng	0.00
44) 2-Fluorobiphenyl	12.89	172	39459	13.09	ng	0.00
78) Terphenyl-d14	19.67	244	66261	12.63	ng	0.00
Target Compounds						
70) Phenanthrene	17.08	178	26538	4.92	ng	Qvalue 97
74) Fluoranthene	19.10	202	53575	7.59	ng	99
77) Pyrene	19.47	202	51518	7.71	ng	97
80) Benzo(a)anthracene	21.22	228	29893	4.48	ng	97
82) Chrysene	21.27	228	27518m	4.56	ng	
85) Indeno(1,2,3-cd)pyrene	25.74	276	17090	2.25	ng	# 91
87) Benzo(b)fluoranthene	22.80	252	37047m	5.18	ng	
88) Benzo(k)fluoranthene	22.83	252	13806m	2.02	ng	
89) Benzo(a)pyrene	23.37	252	26986	4.11	ng	# 91
91) Benzo(g,h,i)perylene	26.45	276	16550	2.55	ng	# 90

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

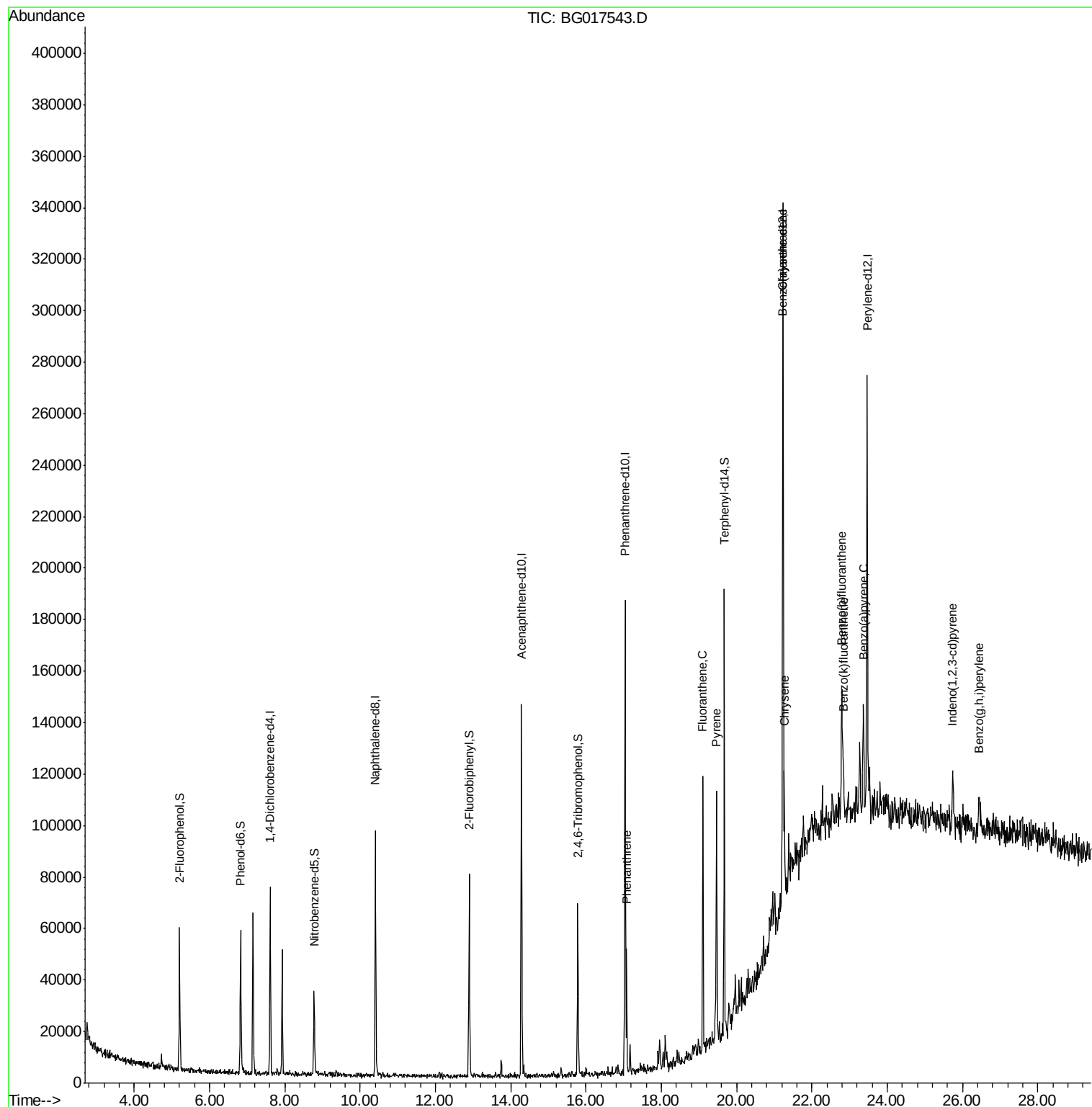
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017543.D
Acq On : 8 Jun 2015 15:09
Operator : TP/IZ
Sample : G2464-17 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

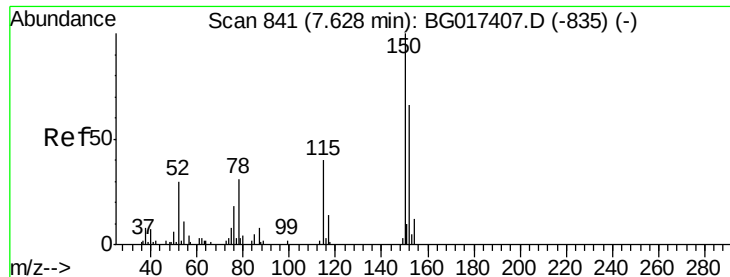
Instrument :
BNA_G
ClientSampleId :
SB-14AS

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Quant Time: Jun 09 02:31:47 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

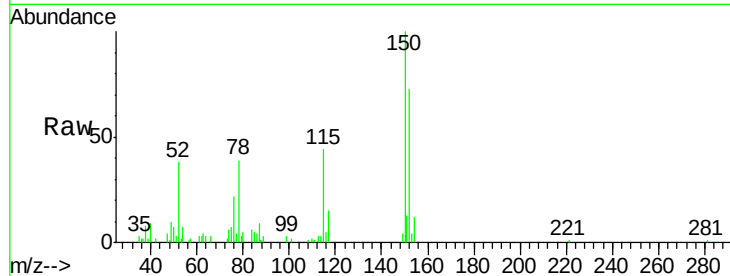
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Instrument :
BNA_G
ClientSampleId :
SB-14AS

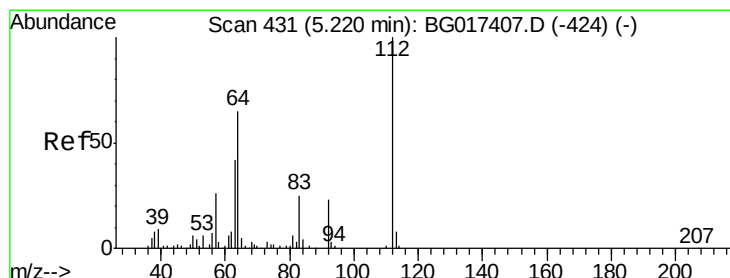
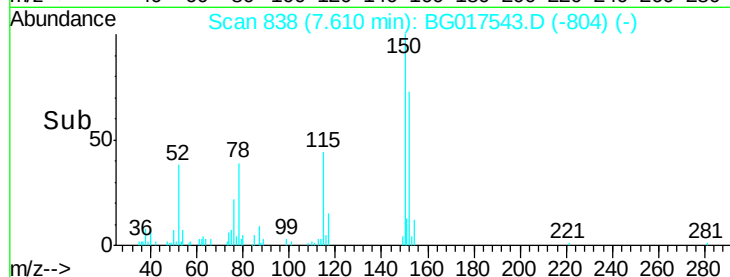
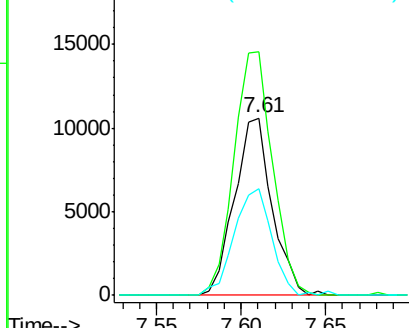
Tgt Ion	Ratio	Lower	Upper
152	100		
150	137.4	121.7	182.5
115	60.3	48.6	73.0

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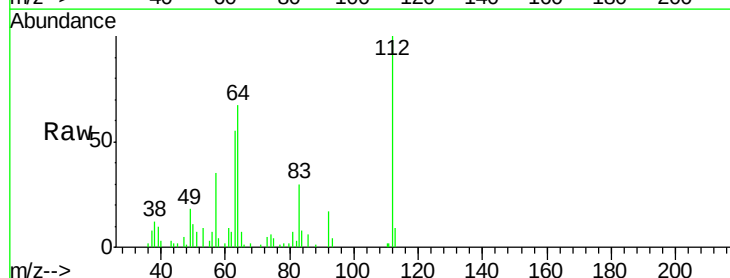
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



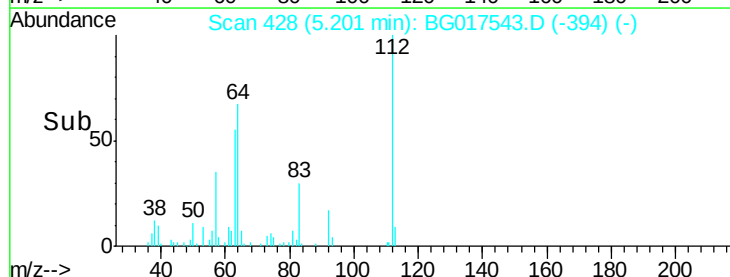
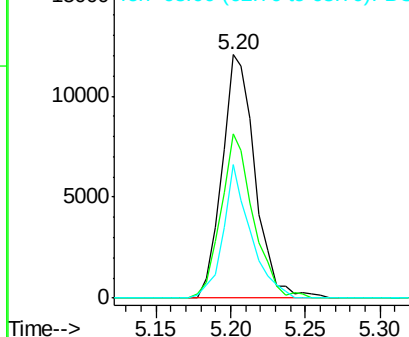
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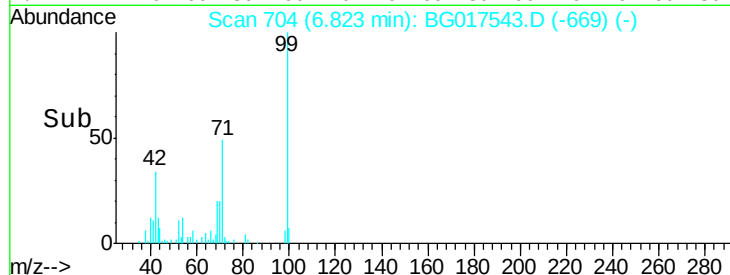
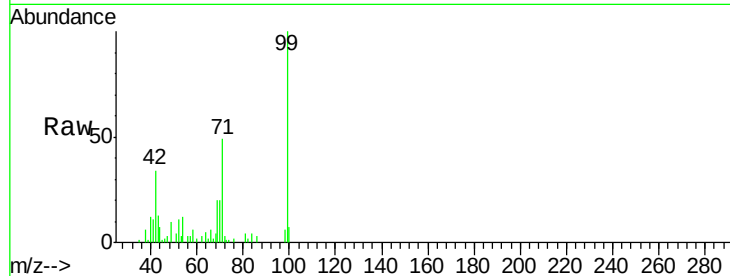
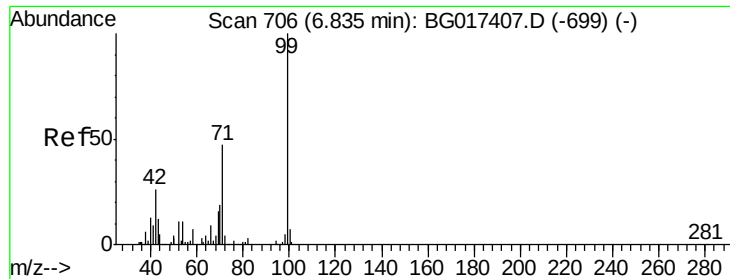
2-Fluorophenol
Concen: 20.07 ng
RT: 5.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	51.6	77.4
63	54.8	33.3	49.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 20.14 ng

RT: 6.82 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Instrument :

BNA_G

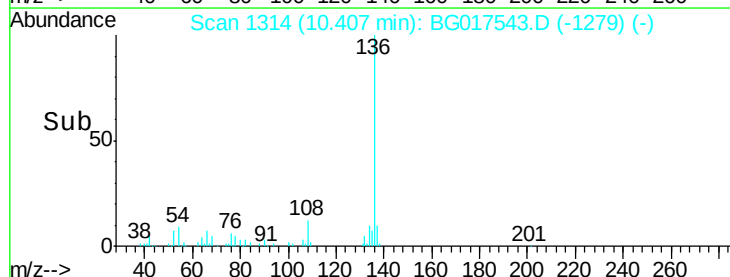
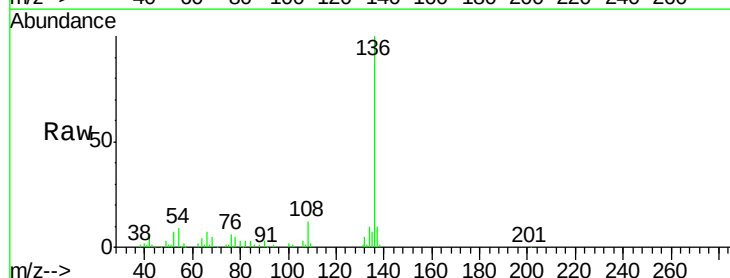
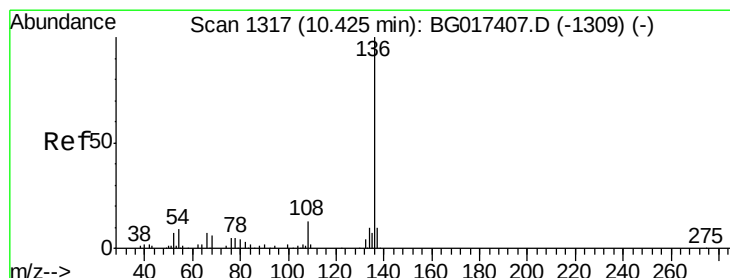
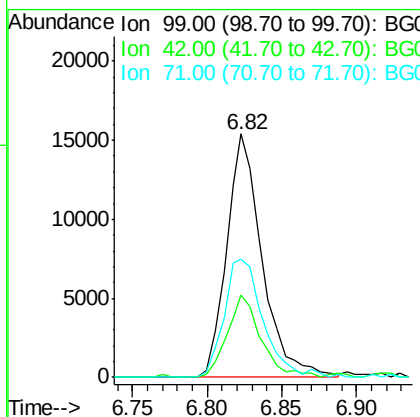
ClientSampleId :

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Tgt Ion:	99	Resp:	25470
Ion Ratio	Lower	Upper	
99	100		
42	33.7	21.0	31.6#
71	48.8	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

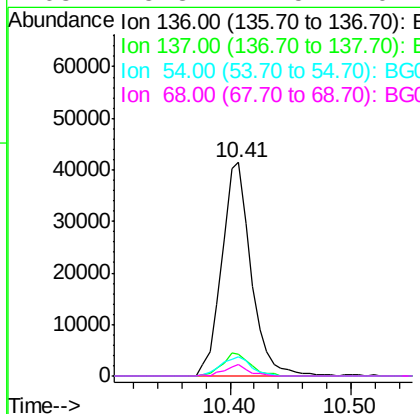
RT: 10.41 min Scan# 1314

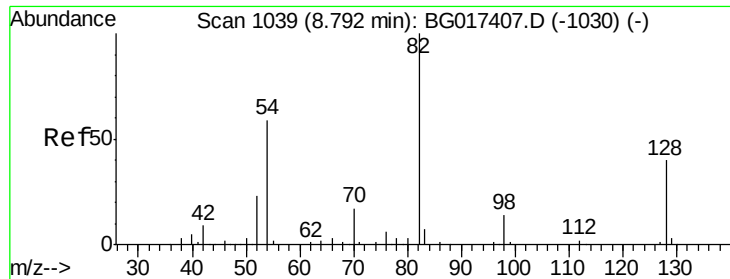
Delta R.T. 0.00 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Tgt Ion:	136	Resp:	69489
Ion Ratio	Lower	Upper	
136	100		
137	9.9	7.9	11.9
54	8.8	7.2	10.8
68	5.3	4.5	6.7





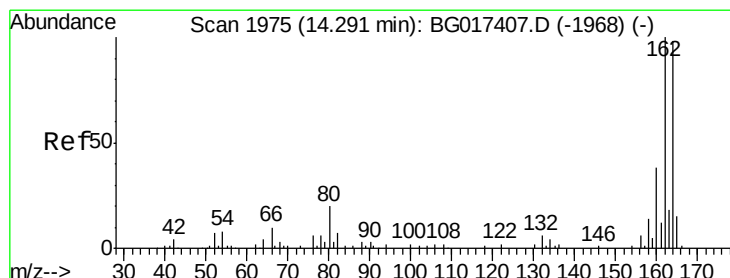
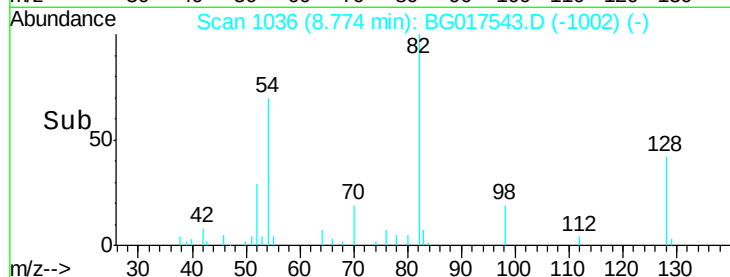
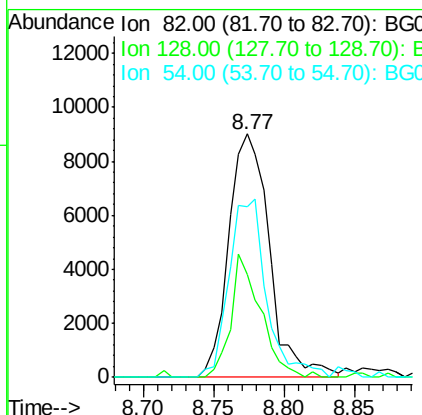
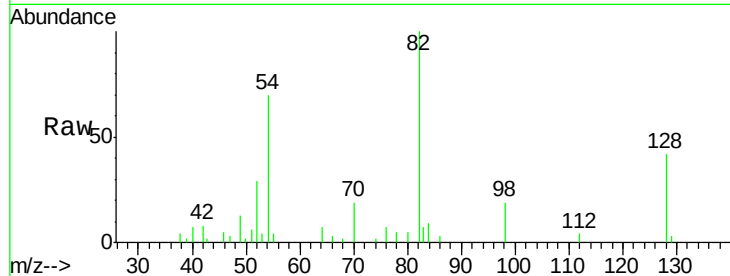
#23
 Nitrobenzene-d5
 Concen: 12.99 ng
 RT: 8.77 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Instrument :
 BNA_G
 ClientSampleId :
 SB-14AS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	18088		
128	42.1	32.2	48.4	
54	70.0	47.4	71.2	

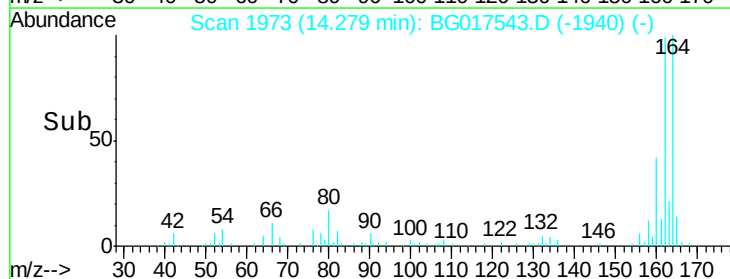
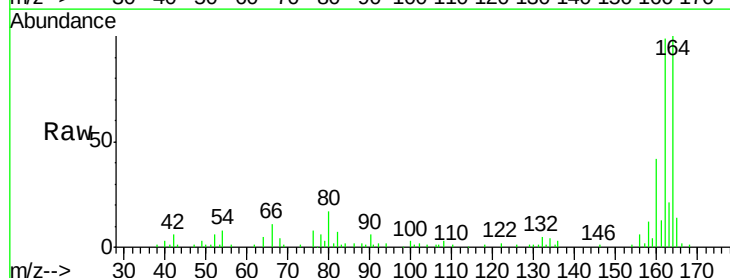
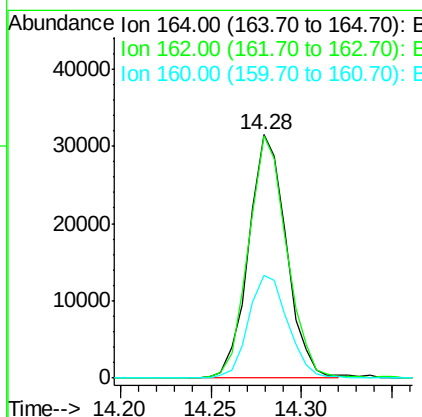
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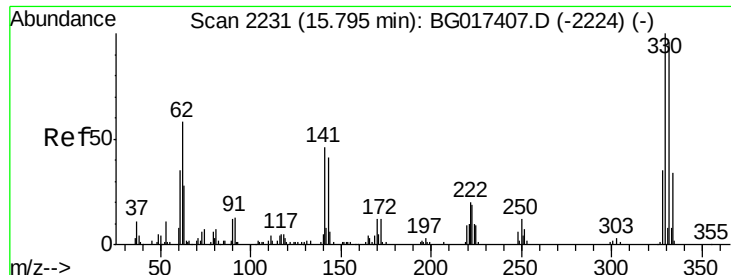
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45472		
162	99.4	81.8	122.6	
160	42.3	31.0	46.4	





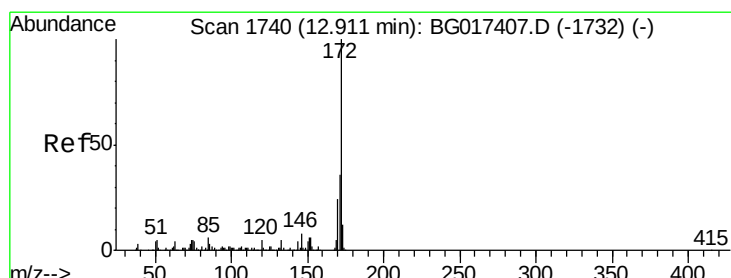
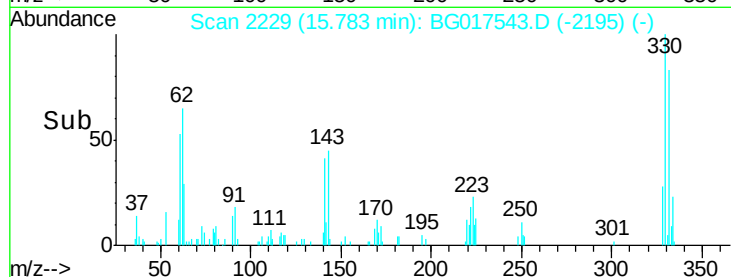
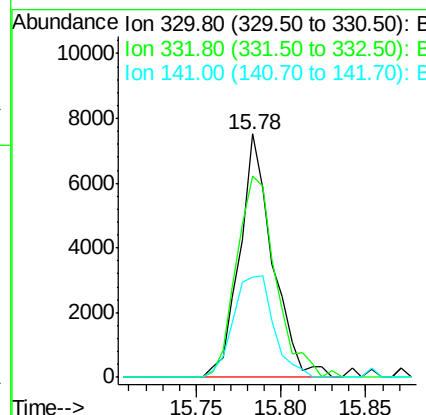
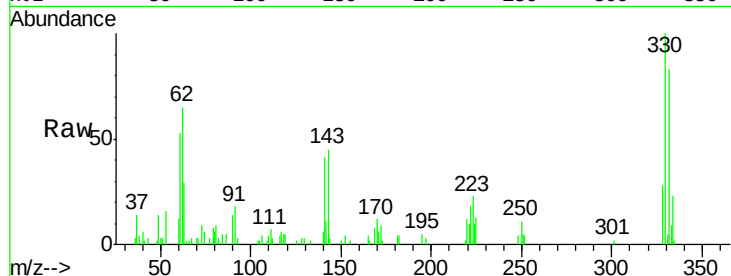
#41
 2,4,6-Tribromophenol
 Concen: 16.12 ng
 RT: 15.78 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Instrument :
 BNA_G
 ClientSampled :
 SB-14AS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10184		
332	98.6	75.9	113.9	
141	51.3	40.2	60.4	

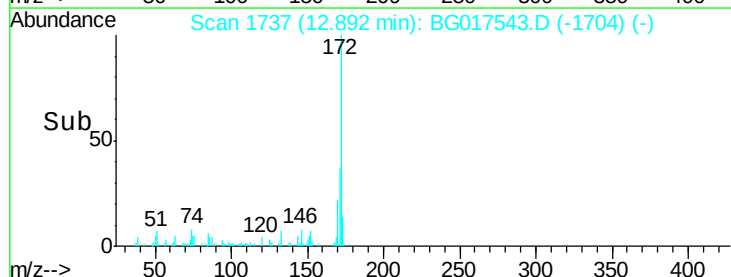
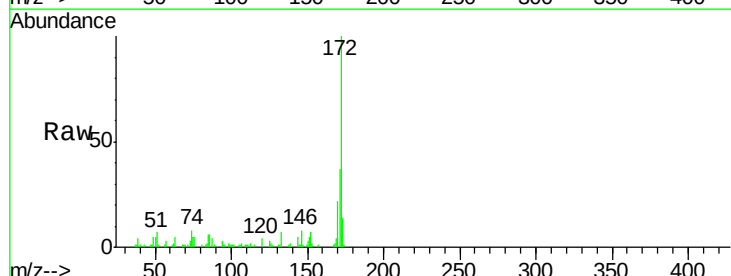
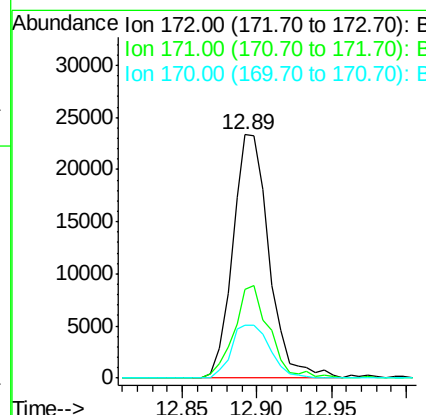
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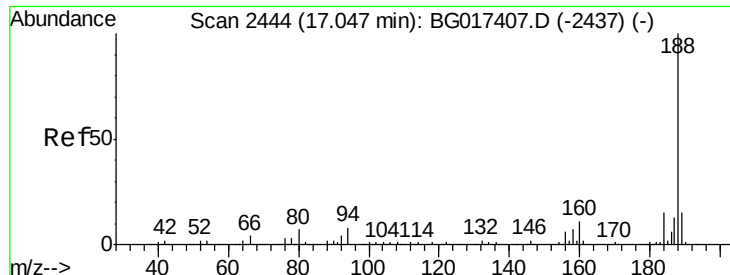
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#44
 2-Fluorobiphenyl
 Concen: 13.09 ng
 RT: 12.89 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	39459		
171	36.5	29.0	43.6	
170	22.0	18.9	28.3	





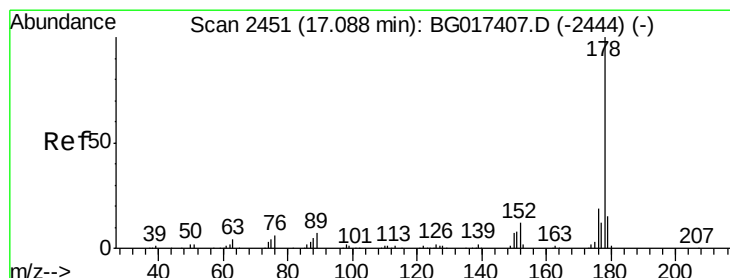
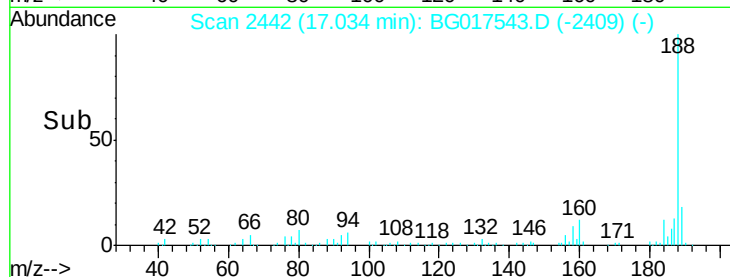
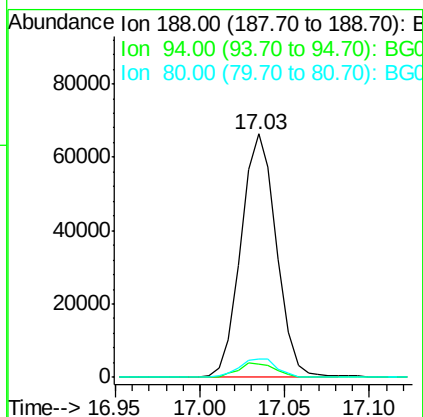
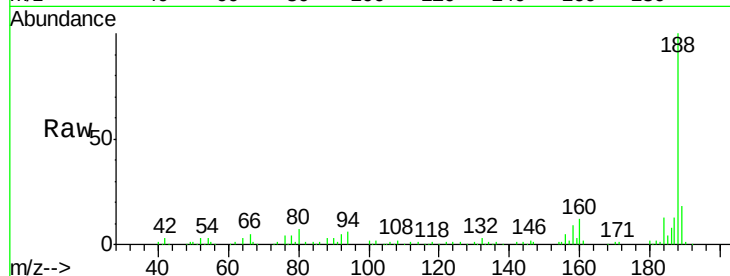
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.03 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Instrument :
BNA_G
ClientSampleId :
SB-14AS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.6	6.3	9.5#
80	7.4	5.2	7.8

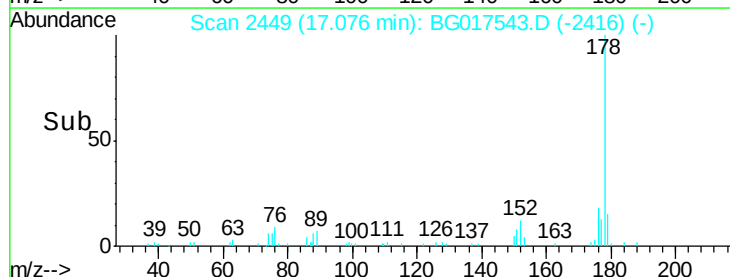
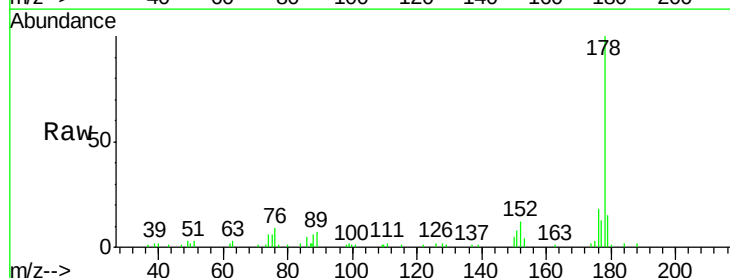
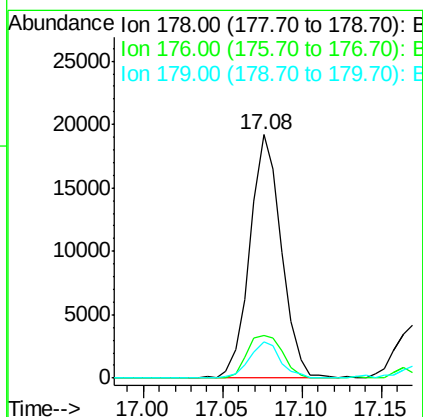
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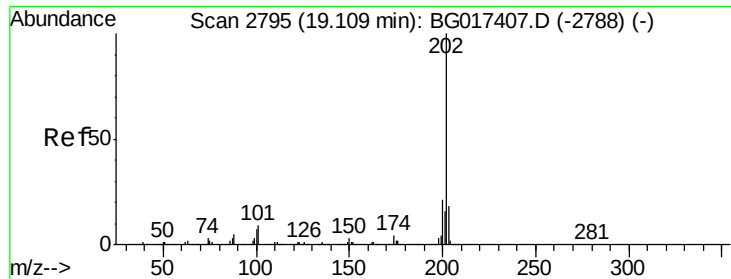
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#70
Phenanthrene
Concen: 4.92 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.7	15.6	23.4
179	14.6	12.2	18.2





#74

Fluoranthene

Concen: 7.59 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Instrument :

BNA_G

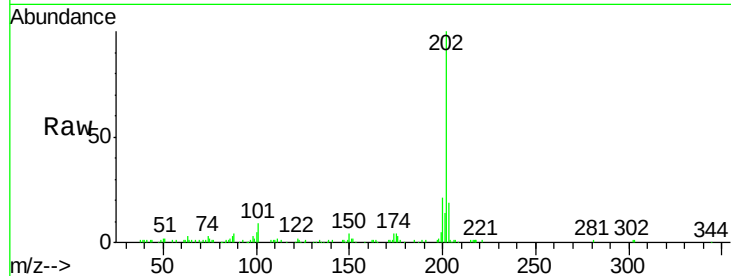
ClientSampleId :

SB-14AS

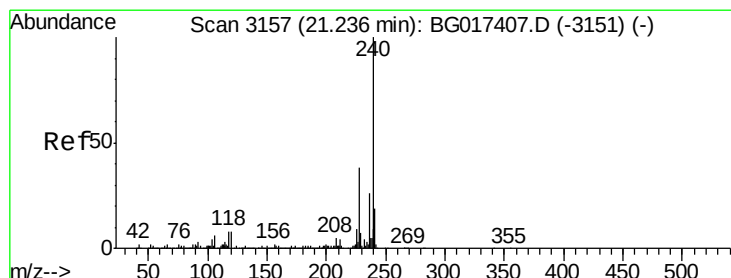
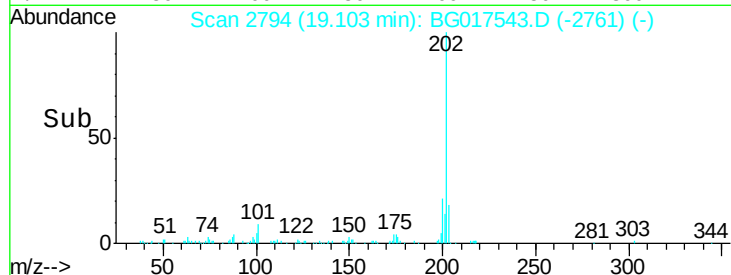
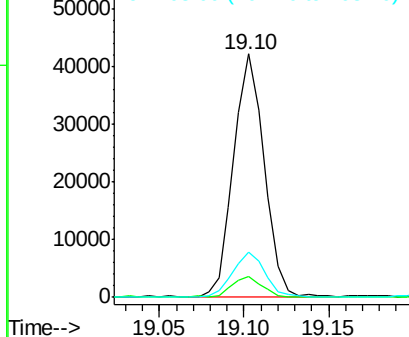
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		53575		
101	8.8	0.0	28.8		
203	18.5	0.0	37.6		

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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

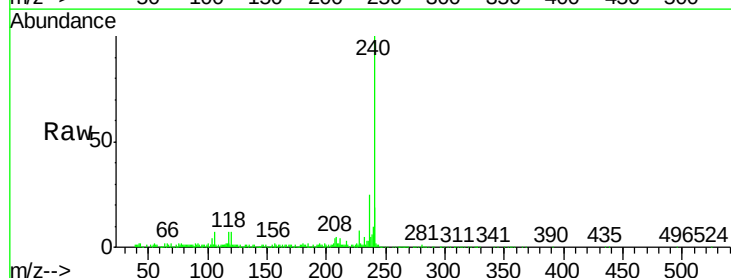
RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

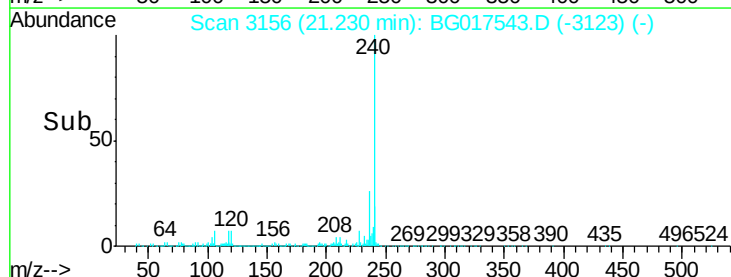
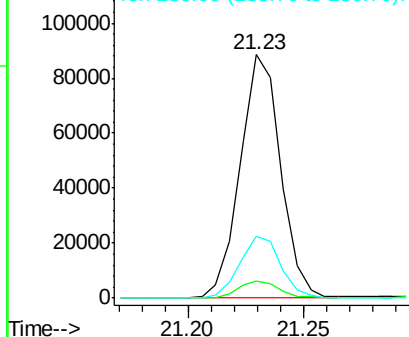
Lab File: BG017543.D

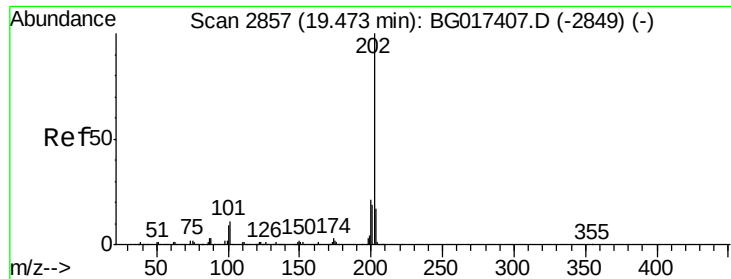
Acq: 8 Jun 2015 15:09

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		108443		
120	7.0	6.5	9.7		
236	25.5	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





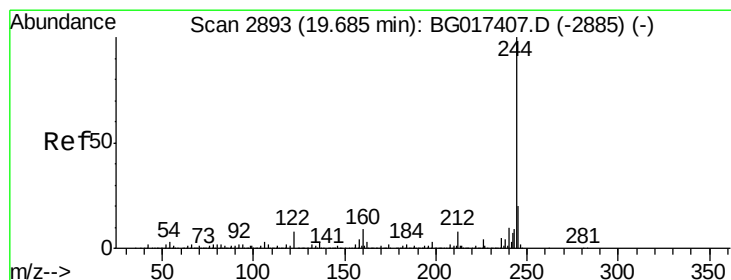
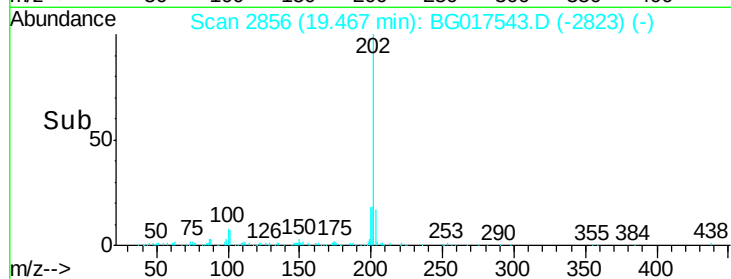
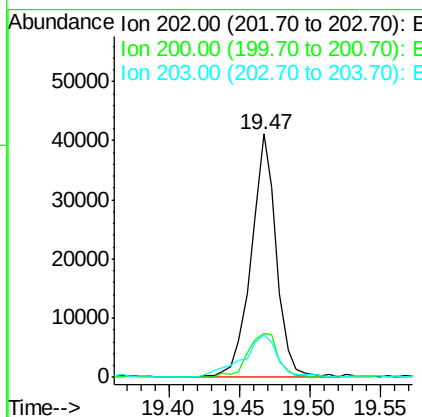
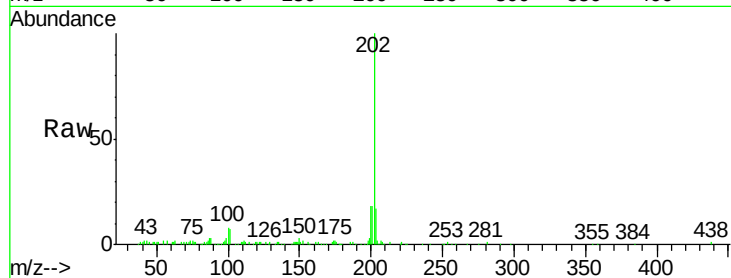
#77
 Pyrene
 Concen: 7.71 ng
 RT: 19.47 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Instrument :
 BNA_G
 ClientSampleId :
 SB-14AS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	18.2	17.0	25.4	
203	17.4	13.9	20.9	

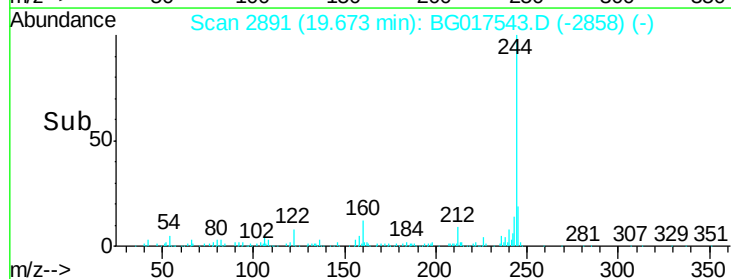
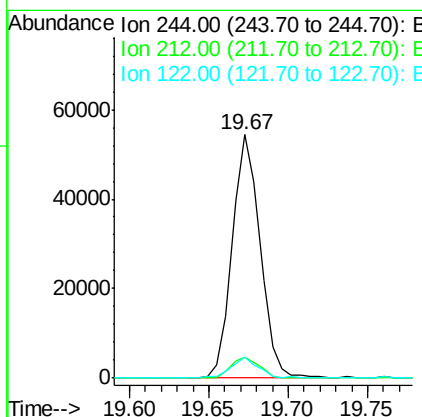
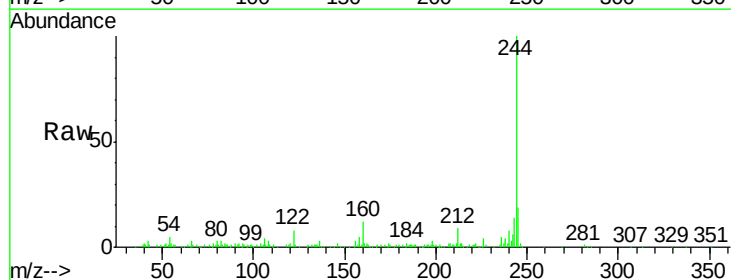
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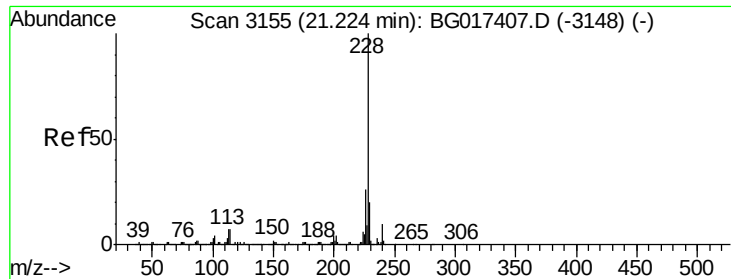
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#78
 Terphenyl-d14
 Concen: 12.63 ng
 RT: 19.67 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.8	6.4	9.6	
122	8.4	6.6	10.0	





#80

Benzo(a)anthracene

Concen: 4.48 ng

RT: 21.22 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Instrument :

BNA_G

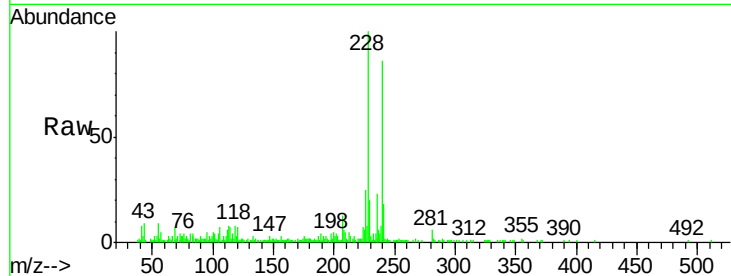
ClientSampleId :

SB-14AS

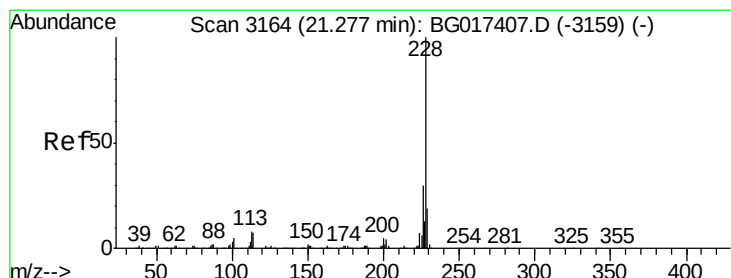
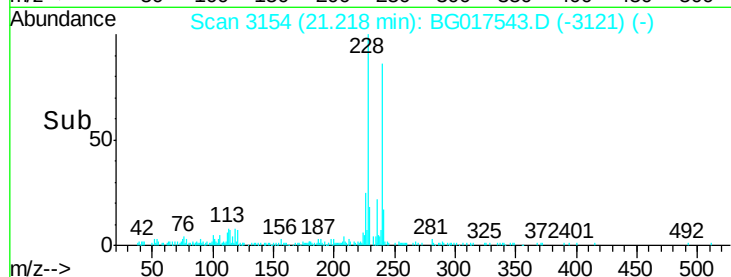
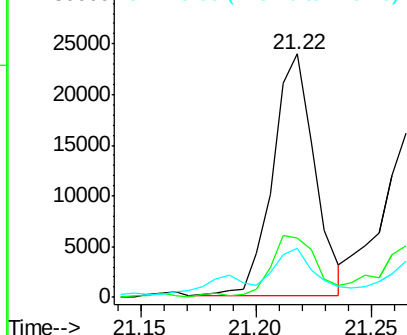
Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.6	21.0	31.6
229	20.4	15.7	23.5

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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: 4.56 ng m

RT: 21.27 min Scan# 3163

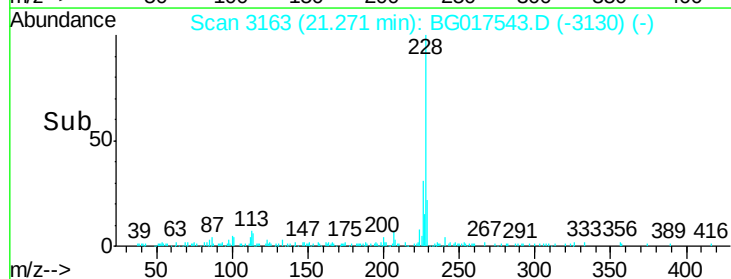
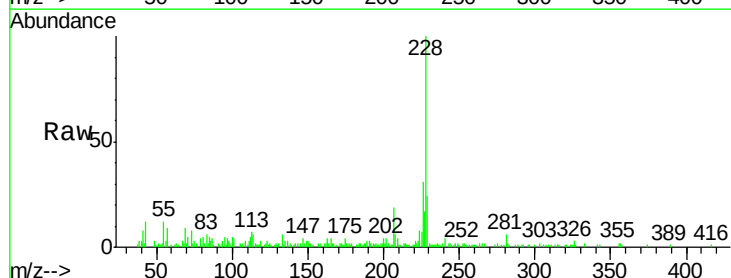
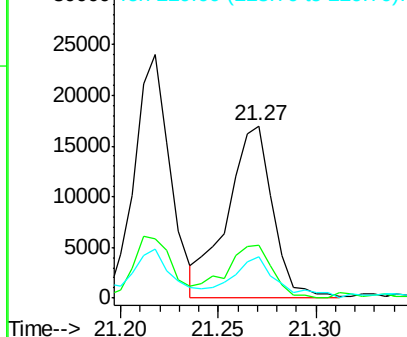
Delta R.T. -0.01 min

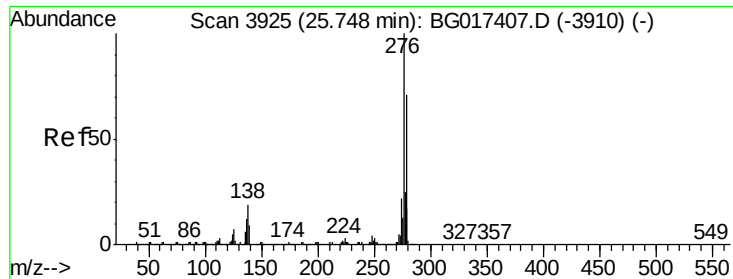
Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.7	35.5
229	23.8	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





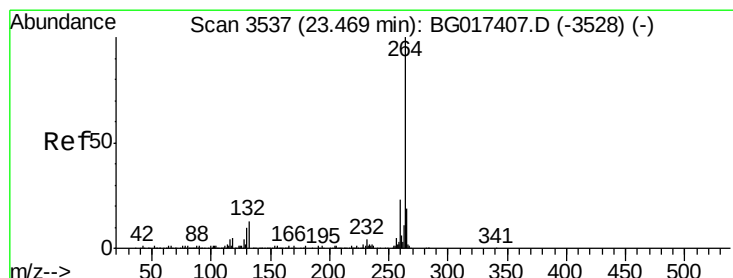
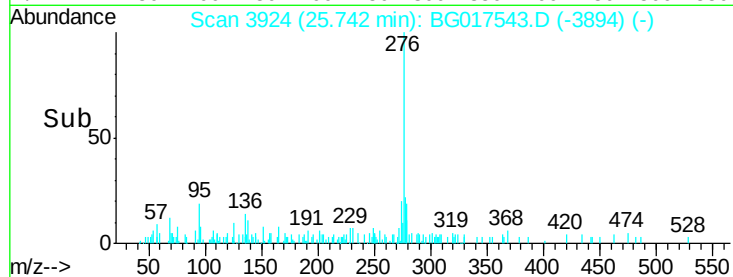
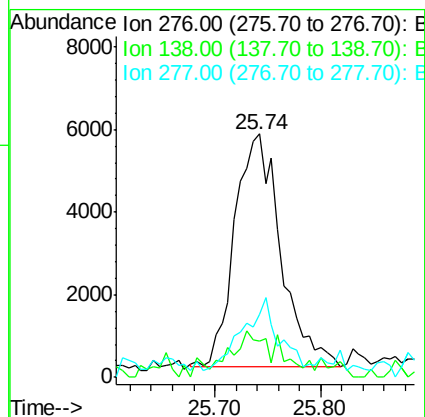
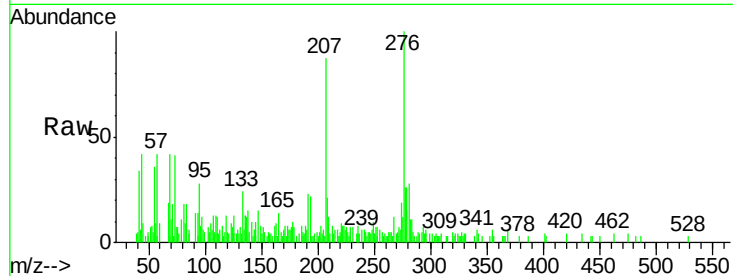
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.25 ng
 RT: 25.74 min Scan# 3924
 Delta R.T. -0.03 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Instrument :
 BNA_G
 ClientSampleId :
 SB-14AS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	17090		
138	10.4	15.4	23.0#	
277	26.2	20.5	30.7	

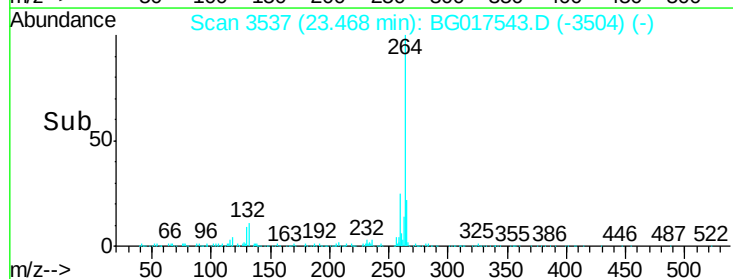
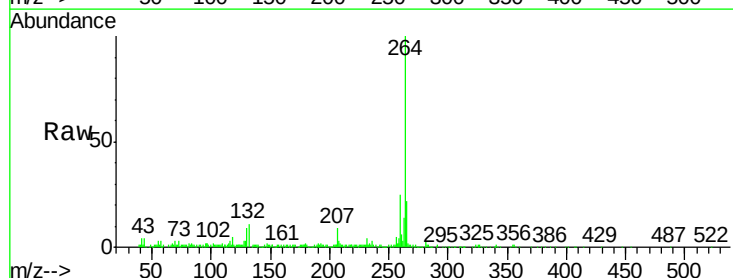
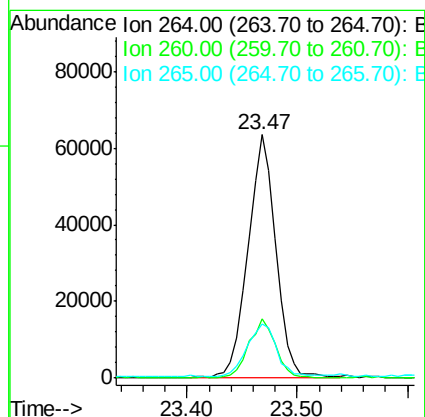
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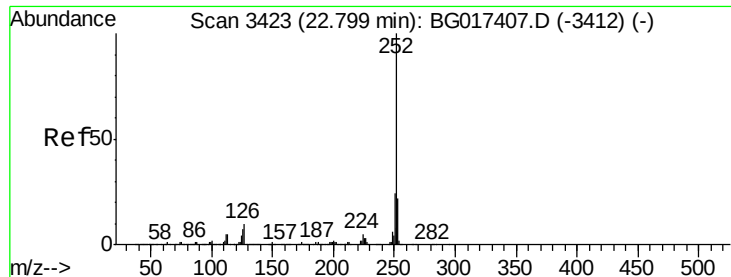
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.47 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: BG017543.D
 Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	112933		
260	24.5	18.2	27.4	
265	22.4	15.8	23.6	





#87

Benzo(b)fluoranthene

Concen: 5.18 ng m

RT: 22.80 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Instrument :

BNA_G

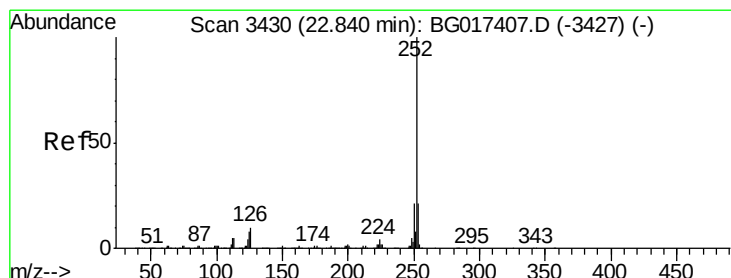
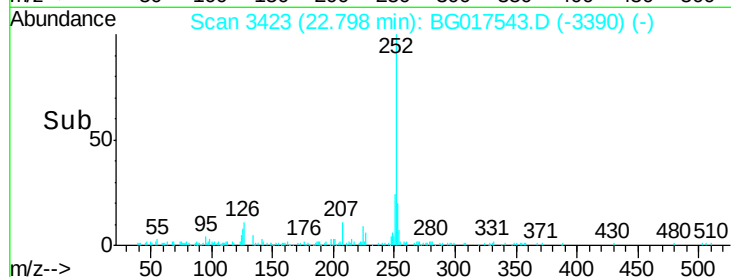
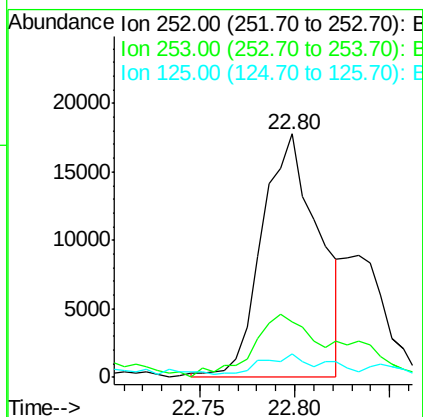
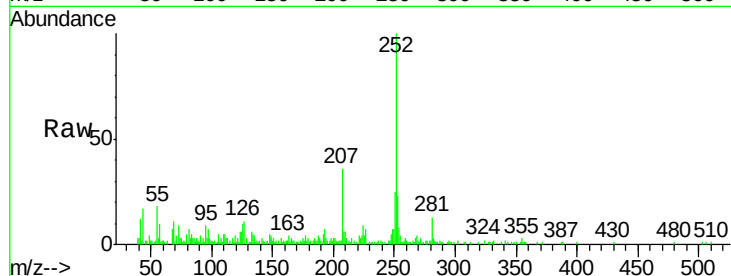
ClientSampleId :

SB-14AS

Tgt Ion:	252	Resp:	37047
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	9.9	5.8	8.8#

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#88

Benzo(k)fluoranthene

Concen: 2.02 ng m

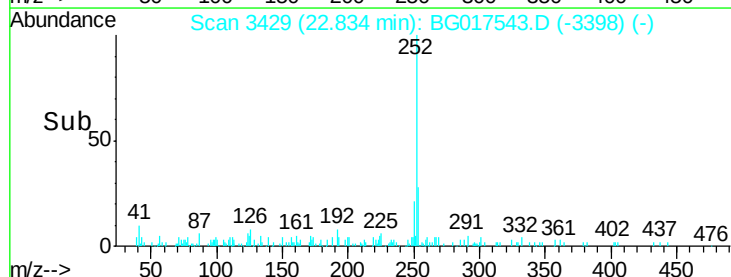
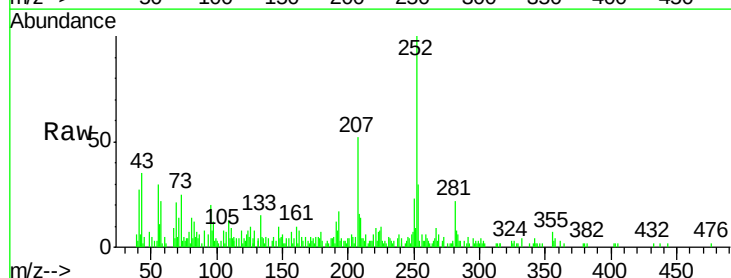
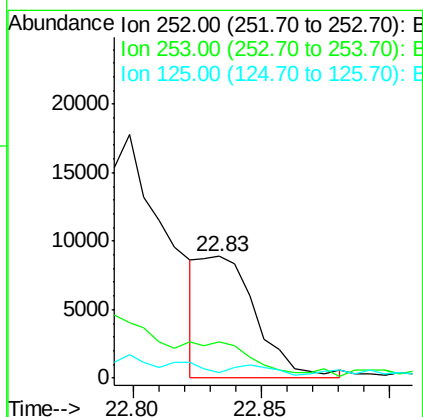
RT: 22.83 min Scan# 3429

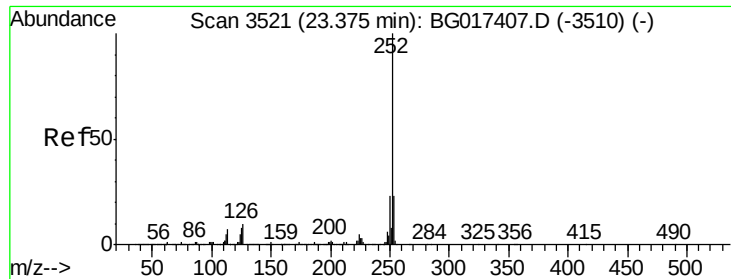
Delta R.T. -0.02 min

Lab File: BG017543.D

Acq: 8 Jun 2015 15:09

Tgt Ion:	252	Resp:	13806
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.7	26.5#
125	4.6	6.5	9.7#





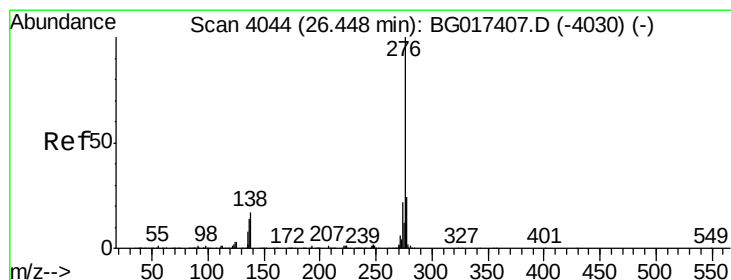
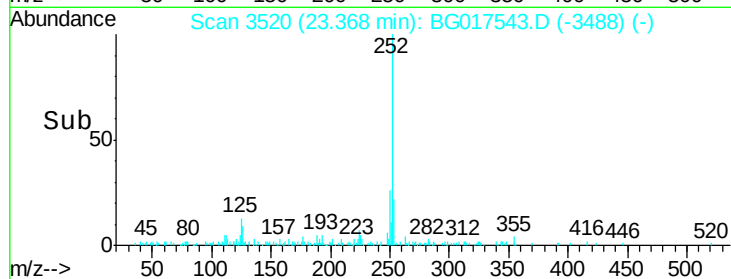
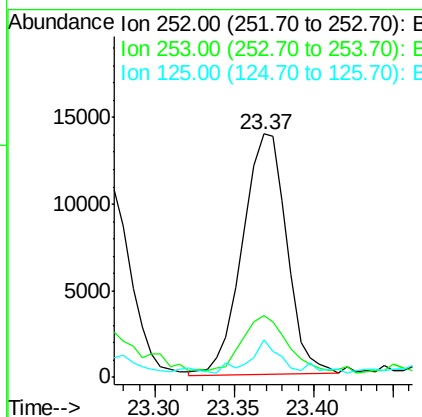
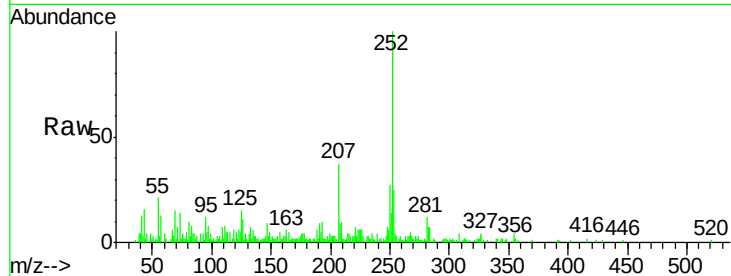
#89
Benzo(a)pyrene
Concen: 4.11 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.01 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Instrument :
BNA_G
ClientSampleId :
SB-14AS

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.2	18.1	27.1
125	15.5	6.5	9.7

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#91
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 26.45 min Scan# 4044
Delta R.T. -0.03 min
Lab File: BG017543.D
Acq: 8 Jun 2015 15:09

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	16.8	19.2	28.8
138	15.3	13.5	20.3

