

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
 Data File : BG017468.D
 Acq On : 5 Jun 2015 8:52
 Operator : TP/IZ
 Sample : G2474-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-1

Manual Integrations
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Quant Time: Jun 05 15:27:19 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	21288	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	91157	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	63928	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	149742	20.00	ng	0.00
75) Chrysene-d12	21.24	240	165004	20.00	ng	0.00
86) Perylene-d12	23.47	264	165315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	140867	116.58	ng	0.01
7) Phenol-d6	6.85	99	197204	119.80	ng	0.01
23) Nitrobenzene-d5	8.79	82	120755	66.13	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	84528	95.20	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	239328	56.47	ng	0.00
78) Terphenyl-d14	19.68	244	351479	44.03	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	33502	6.02	ng	98
70) Phenanthrene	17.08	178	32782	3.93	ng	96
74) Fluoranthene	19.11	202	68750	6.30	ng	98
77) Pyrene	19.47	202	65657	6.46	ng	99
80) Benzo(a)anthracene	21.22	228	35980	3.55	ng	97
82) Chrysene	21.27	228	38170	4.15	ng	95
83) Bis(2-ethylhexyl)phthalate	21.15	149	20325	3.20	ng	98
85) Indeno(1,2,3-cd)pyrene	25.75	276	26605	2.31	ng	# 79
87) Benzo(b)fluoranthene	22.79	252	46285	4.42	ng	# 89
88) Benzo(k)fluoranthene	22.83	252	20541m	2.05	ng	
89) Benzo(a)pyrene	23.37	252	33793	3.52	ng	93
91) Benzo(a,h,i)perylene	26.44	276	24014	2.53	ng	99

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

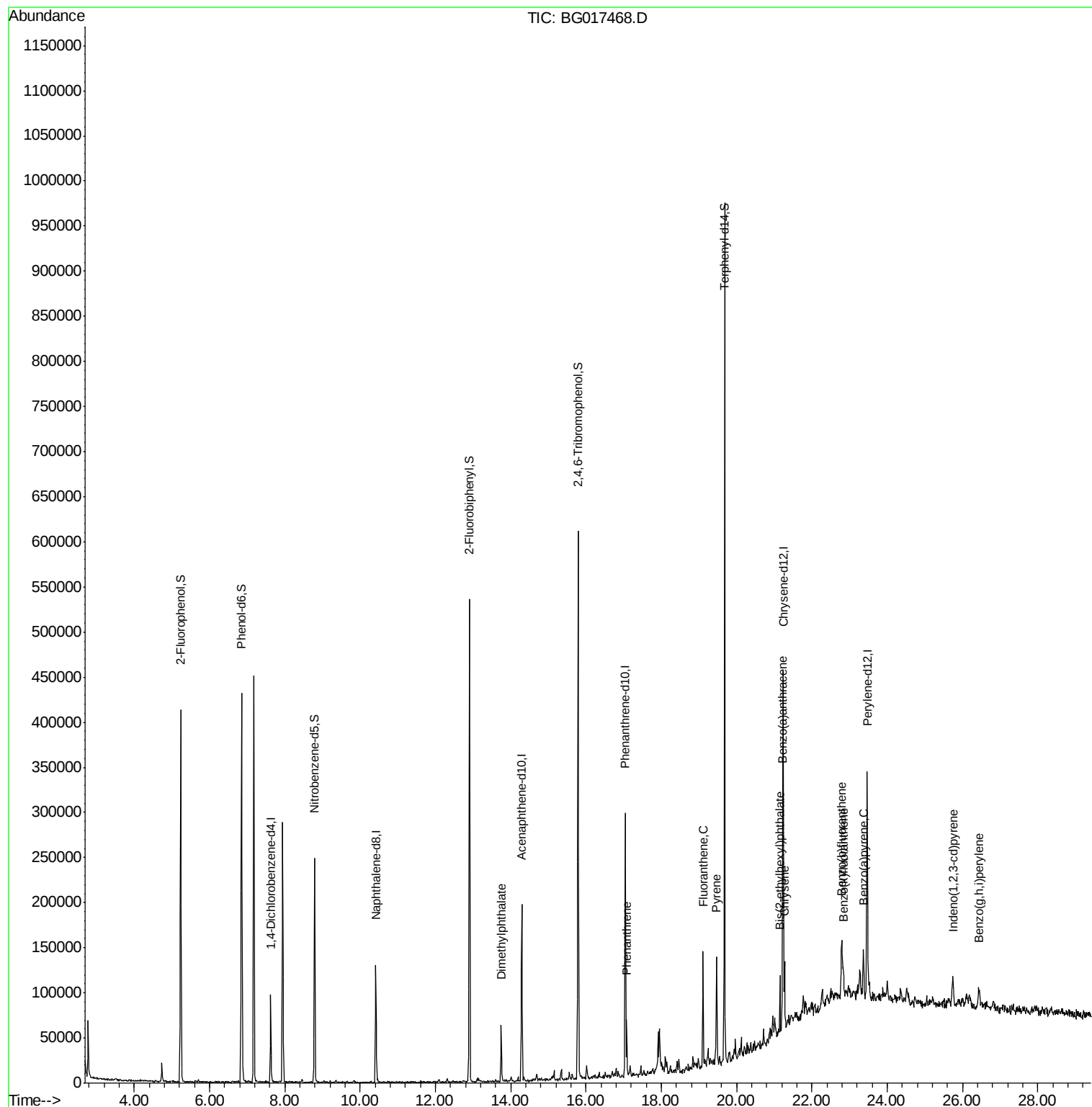
Data Path : Z:\HPCHEM1\BNA G\DATA\BG060415\
Data File : BG017468.D
Acq On : 5 Jun 2015 8:52
Operator : TP/IZ
Sample : G2474-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

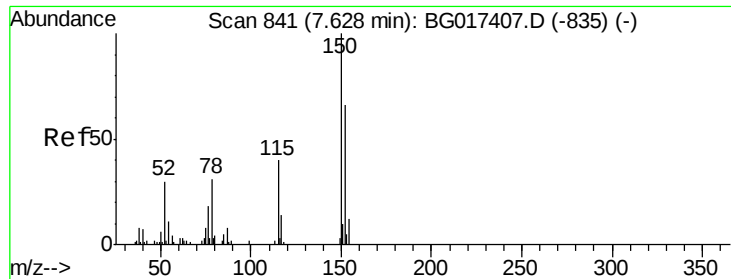
Instrument :
BNA_G
ClientSampleId :
C-1

Manual Integrations
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Quant Time: Jun 05 15:27:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration





#1

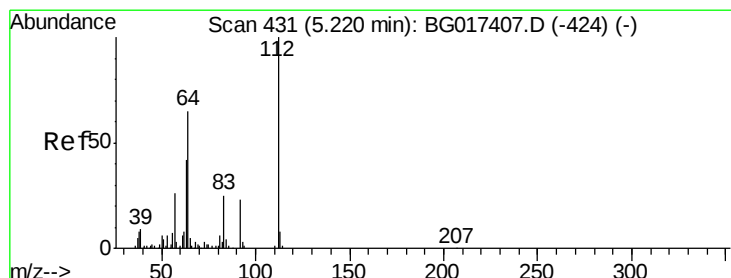
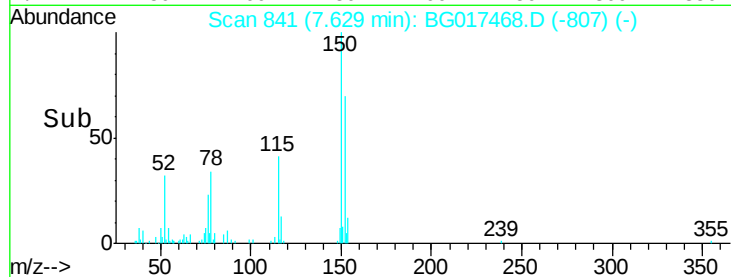
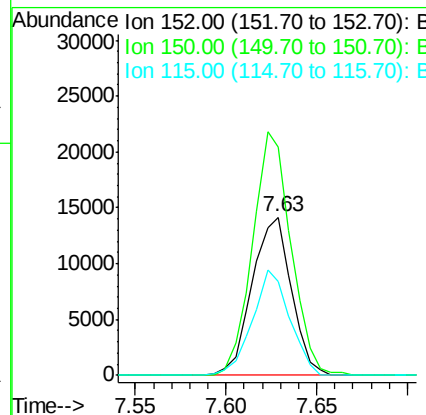
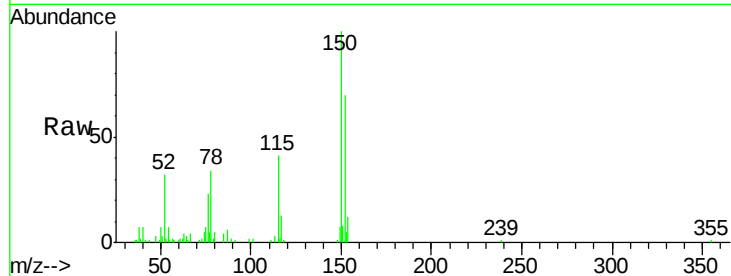
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.63 min Scan# 841
Delta R.T. 0.00 min
Lab File: BG017468.D
Acq: 5 Jun 2015 8:52

Instrument :
BNA_G
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.7	121.7	182.5
115	59.6	48.6	73.0

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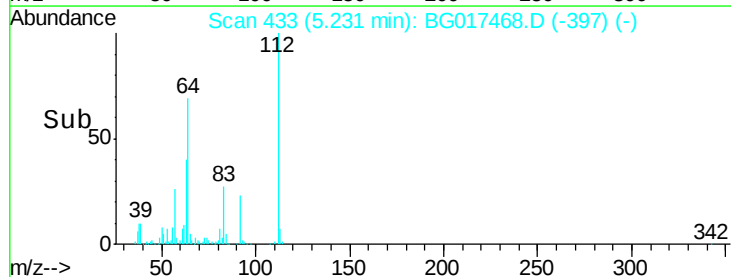
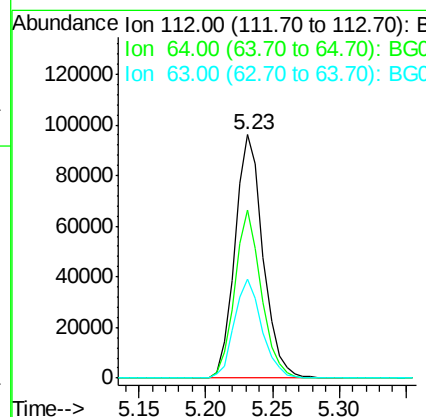
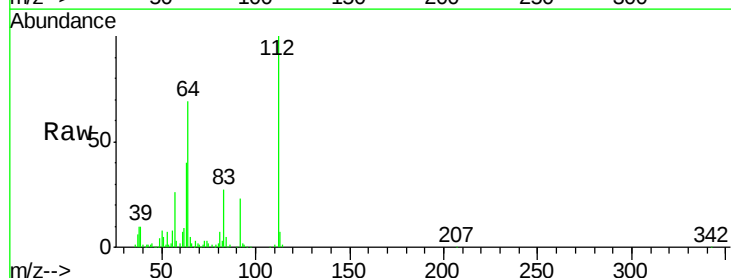
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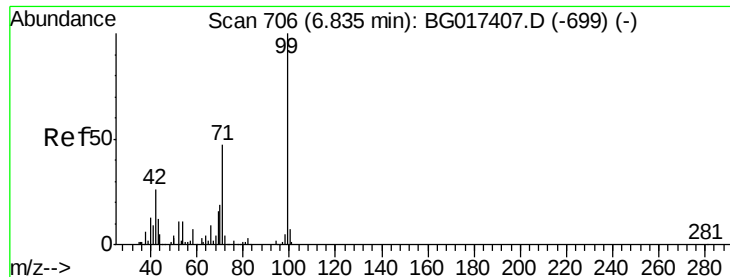


#5

2-Fluorophenol
Concen: 116.58 ng
RT: 5.23 min Scan# 433
Delta R.T. 0.01 min
Lab File: BG017468.D
Acq: 5 Jun 2015 8:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	51.6	77.4
63	40.4	33.3	49.9





#7

Phenol-d6

Concen: 119.80 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

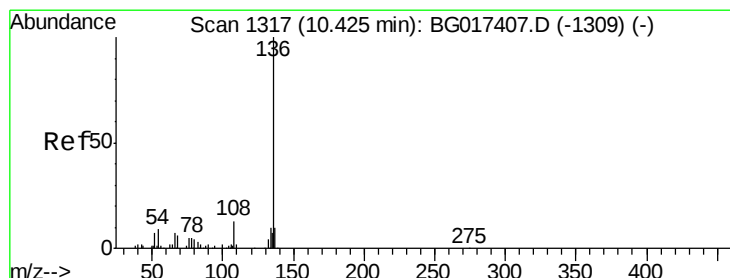
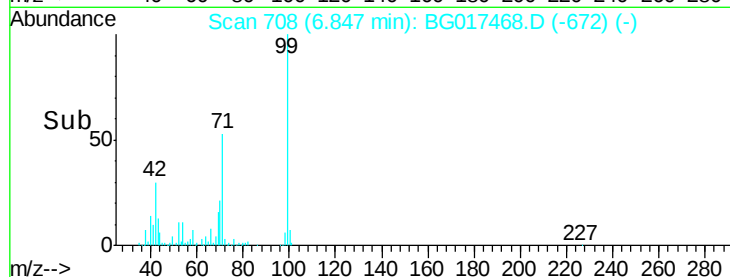
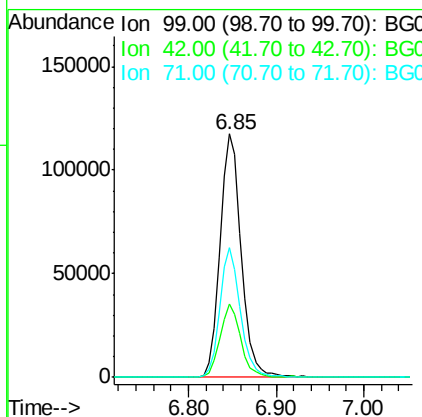
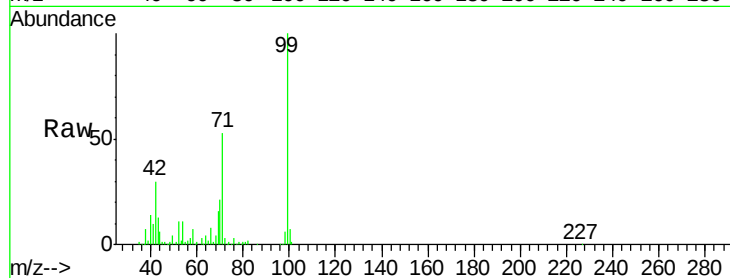
ClientSampleId :

C-1

Tot Ion:	99	Resp:	197204
Ion Ratio	Lower	Upper	
99	100		
42	30.4	21.0	31.6
71	53.4	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

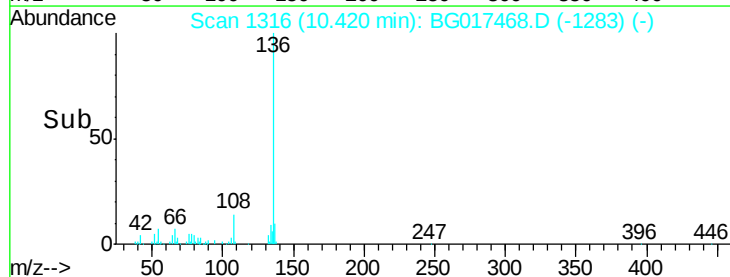
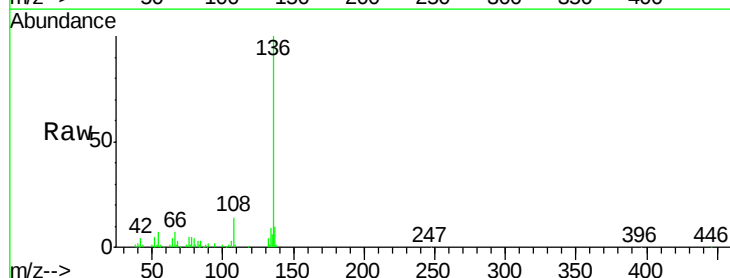
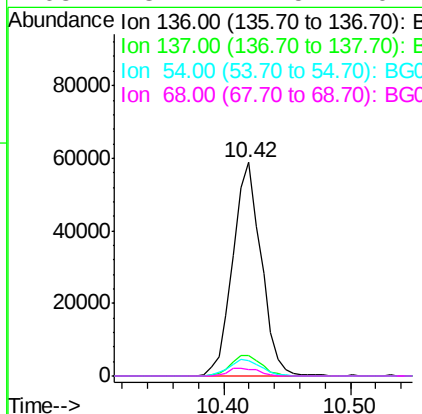
RT: 10.42 min Scan# 1316

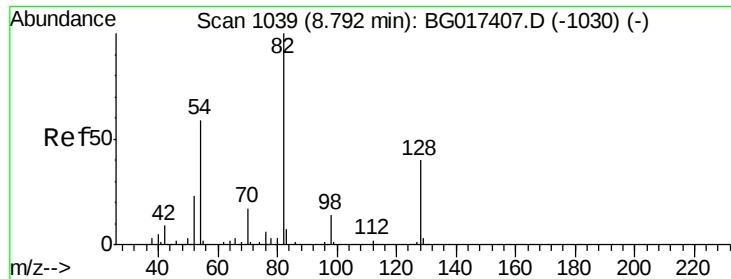
Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Tgt Ion:	136	Resp:	91157
Ion Ratio	Lower	Upper	
136	100		
137	9.6	7.9	11.9
54	7.4	7.2	10.8
68	3.2	4.5	6.7#





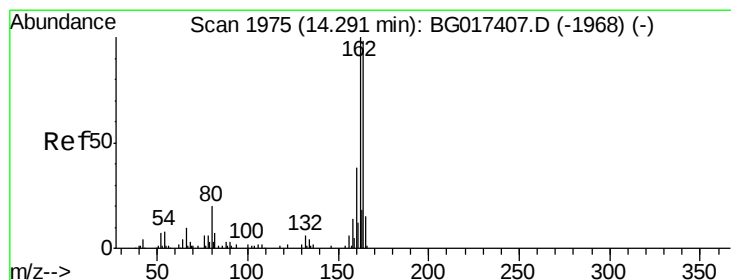
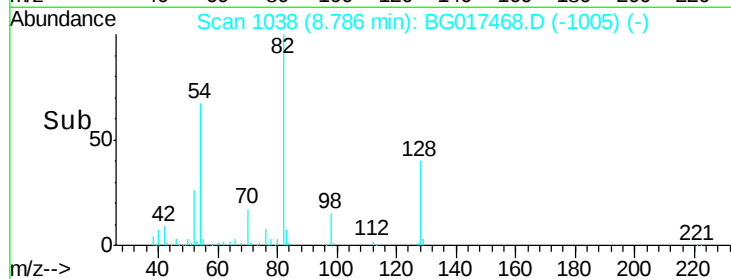
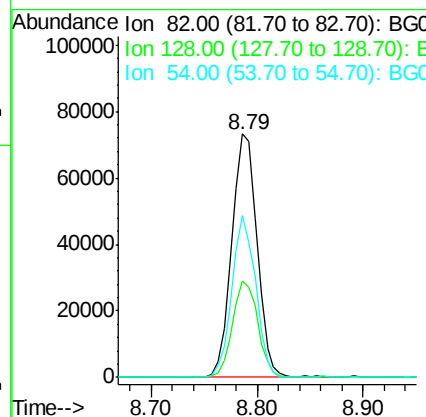
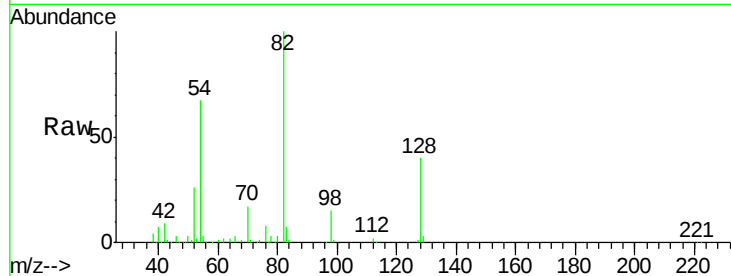
#23
 Nitrobenzene-d5
 Concen: 66.13 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BG017468.D
 Acq: 5 Jun 2015 8:52

Instrument :
 BNA_G
 ClientSampled :
 C-1

Tot Ion	82	Resp	120755
Ion Ratio	Lower	Upper	
82	100		
128	39.8	32.2	48.4
54	66.6	47.4	71.2

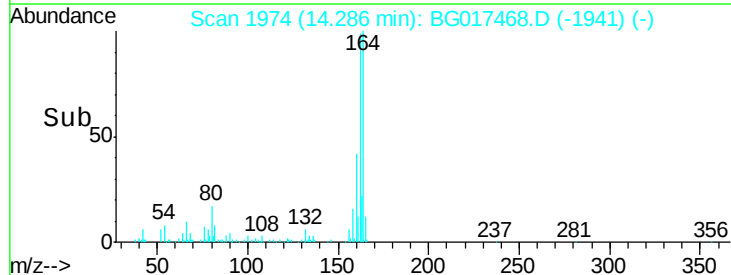
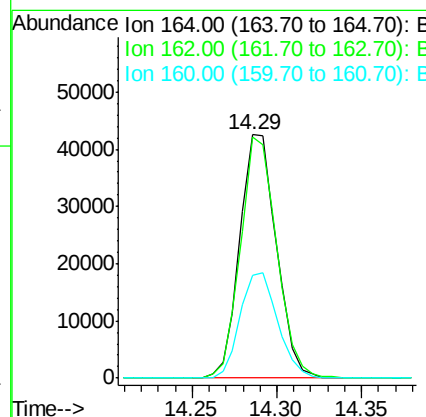
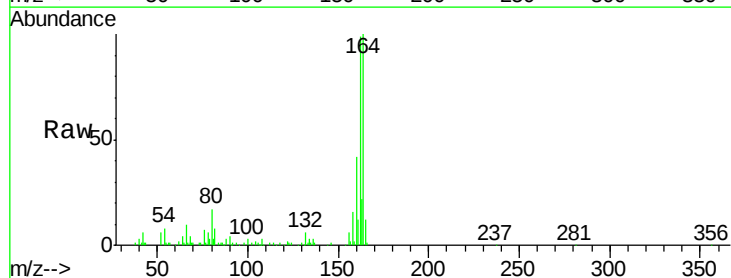
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG017468.D
 Acq: 5 Jun 2015 8:52

Tgt Ion	164	Resp	63928
Ion Ratio	Lower	Upper	
164	100		
162	99.0	81.8	122.6
160	42.5	31.0	46.4





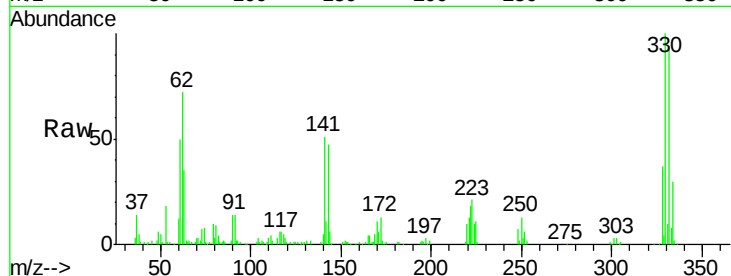
#41
 2,4,6-Tribromophenol
 Concen: 95.20 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BG017468.D
 Acq: 5 Jun 2015 8:52

Instrument :
 BNA_G
 ClientSampled :
 C-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	75.9	113.9	
141	51.5	40.2	60.4	

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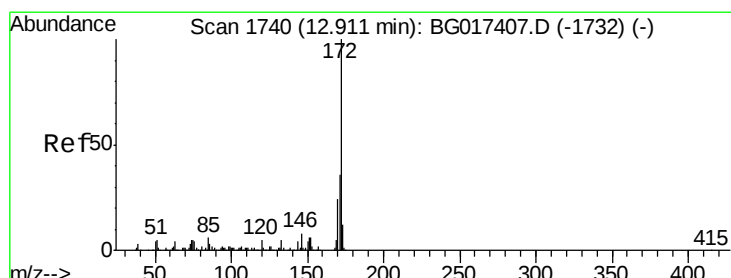
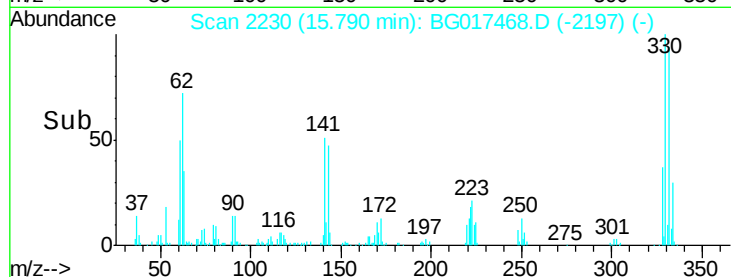
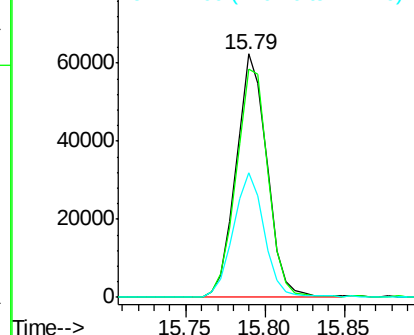


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.47 ng
 RT: 12.90 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG017468.D
 Acq: 5 Jun 2015 8:52

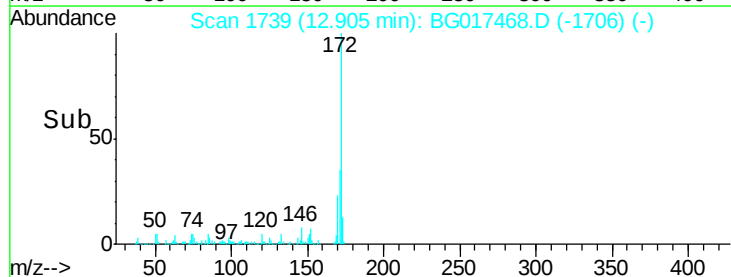
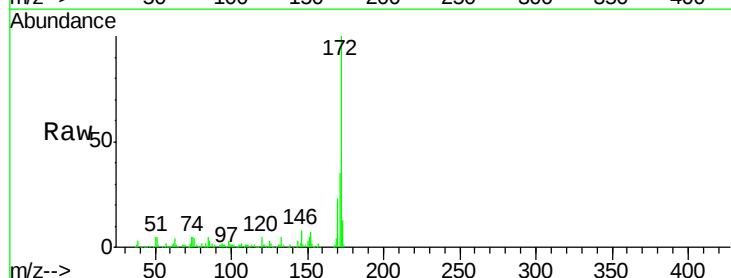
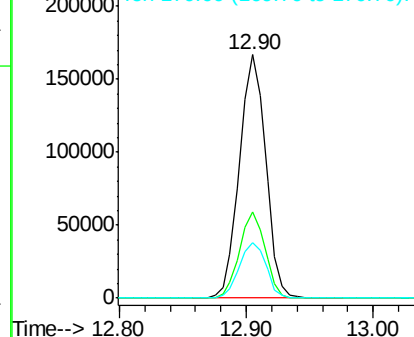
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.0	43.6	
170	22.6	18.9	28.3	

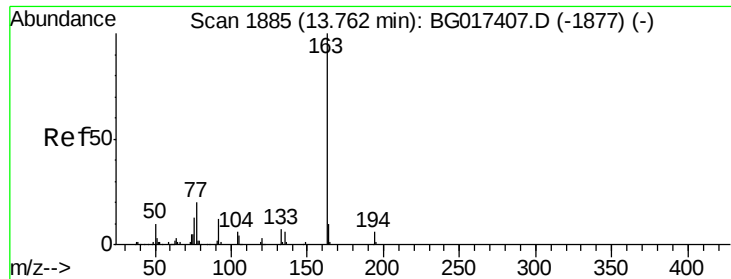
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.02 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

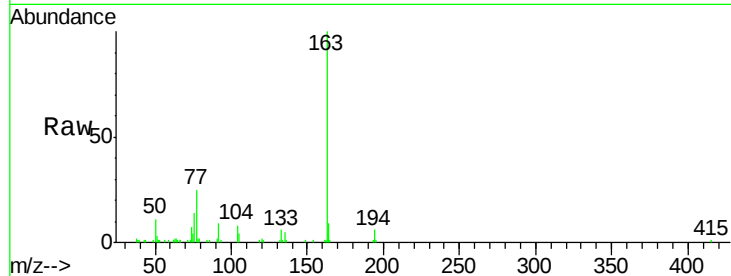
ClientSampleId :

C-1

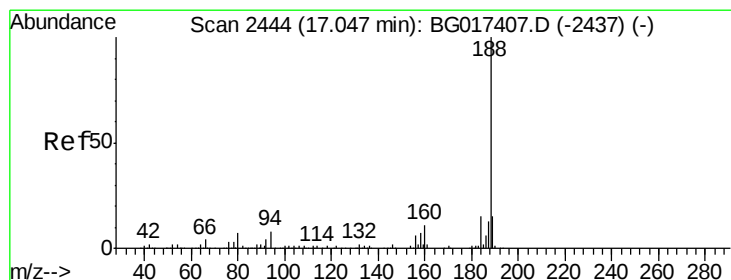
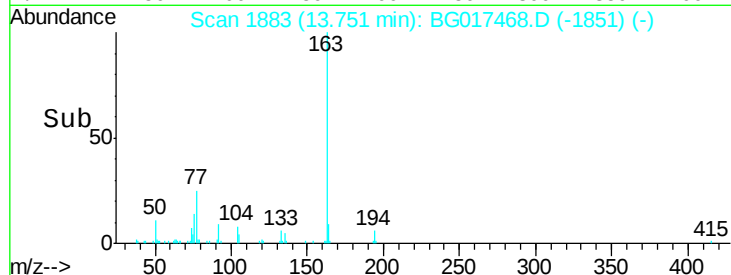
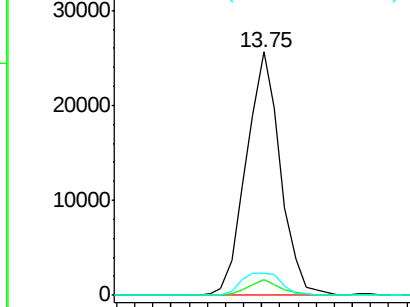
Tot Ion:	163	Resp:	33502
Ion Ratio	Lower	Upper	
163	100		
194	6.4	4.9	7.3
164	9.2	8.2	12.2

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

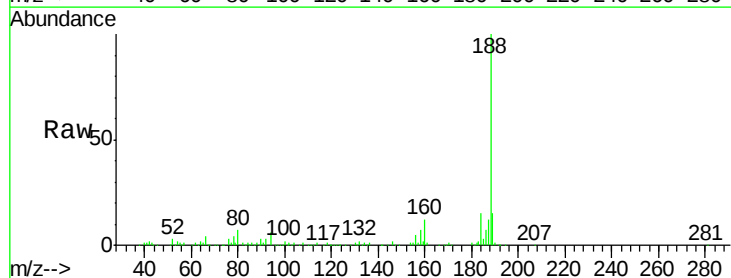
RT: 17.04 min Scan# 2443

Delta R.T. -0.01 min

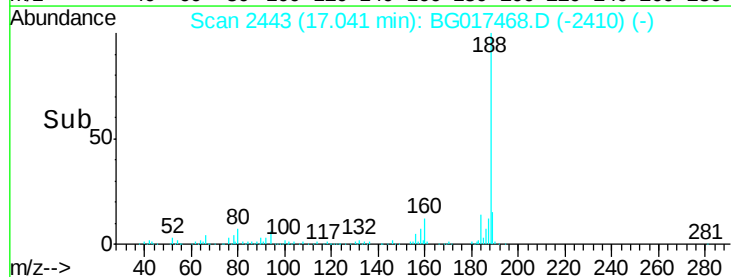
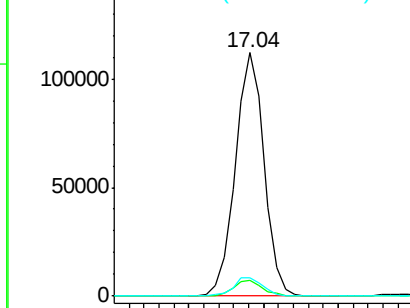
Lab File: BG017468.D

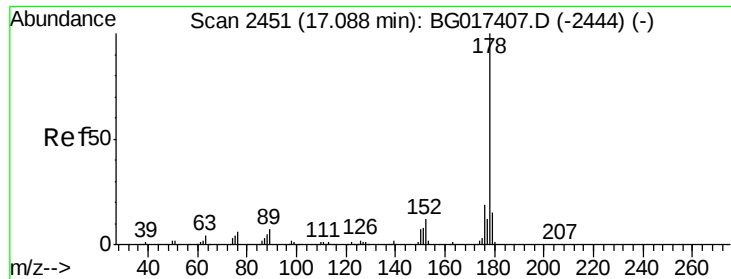
Acq: 5 Jun 2015 8:52

Tgt Ion:	188	Resp:	149742
Ion Ratio	Lower	Upper	
188	100		
94	6.4	6.3	9.5
80	7.4	5.2	7.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.93 ng

RT: 17.08 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

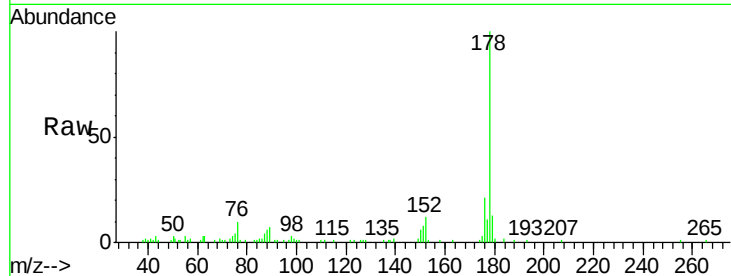
ClientSampled :

C-1

Tot Ion:	178	Resp:	32782
Ion Ratio	Lower	Upper	
178	100		
176	21.2	15.6	23.4
179	13.2	12.2	18.2

Manual Integrations
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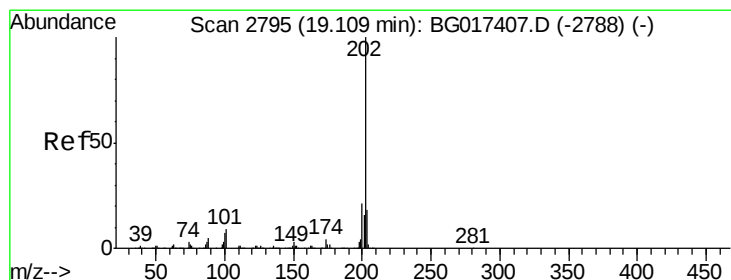
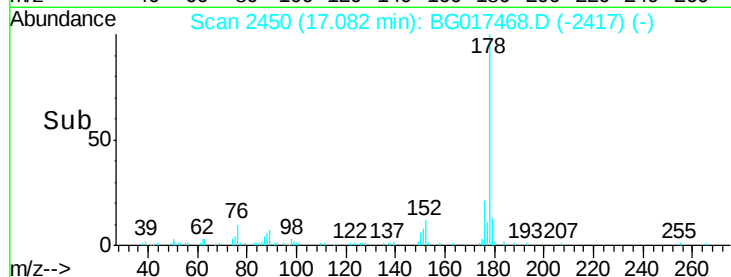
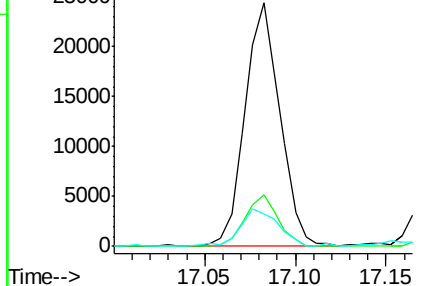
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.30 ng

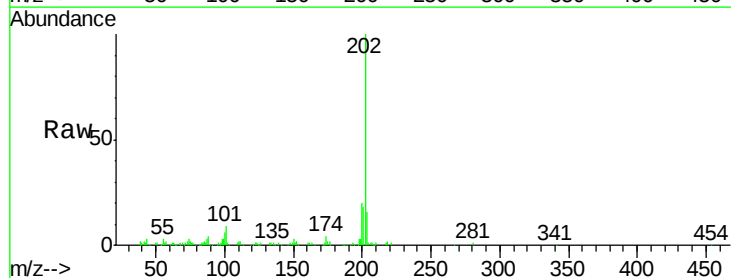
RT: 19.11 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

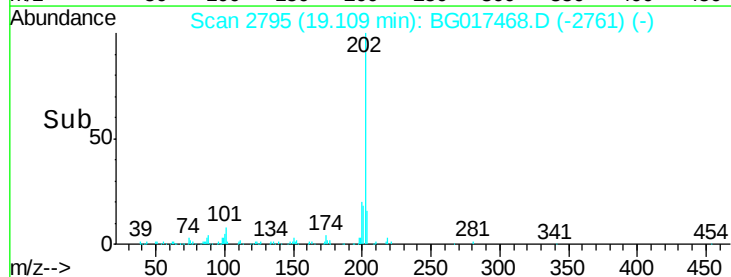
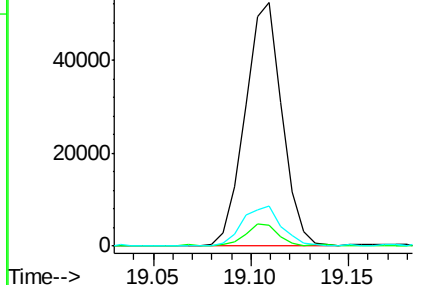
Tgt Ion:	202	Resp:	68750
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	28.8
203	16.3	0.0	37.6

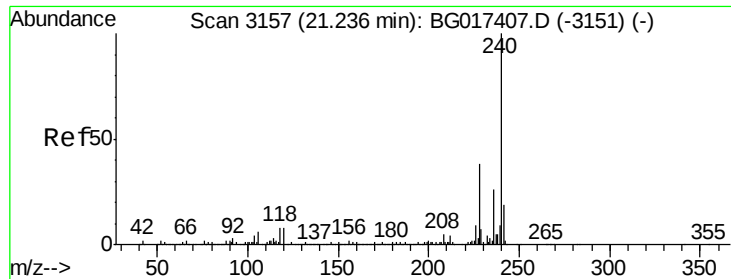


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.24 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

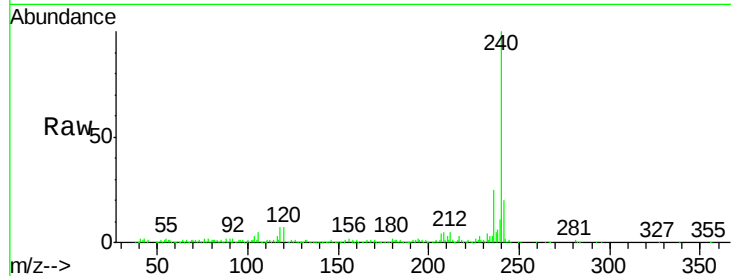
ClientSampleId :

C-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.5	9.7
236	24.8	20.8	31.2

Manual Integrations
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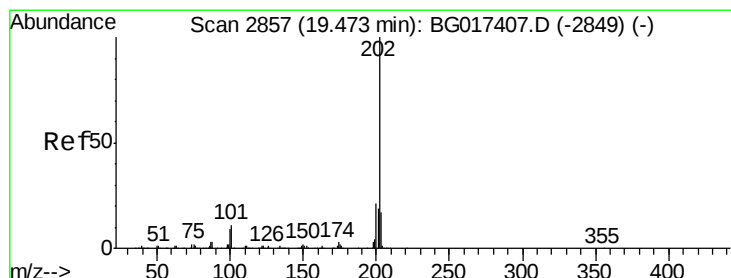
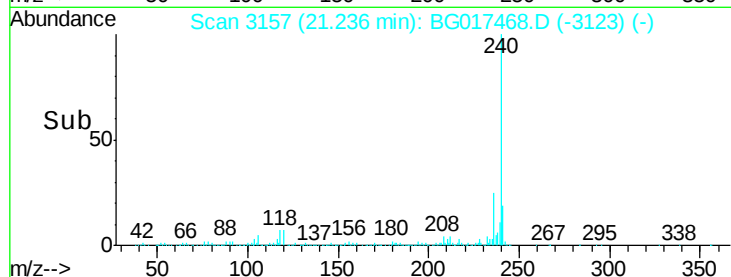
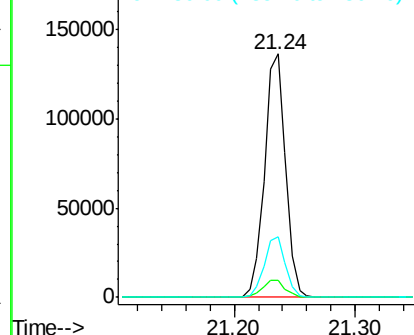
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.46 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG017468.D

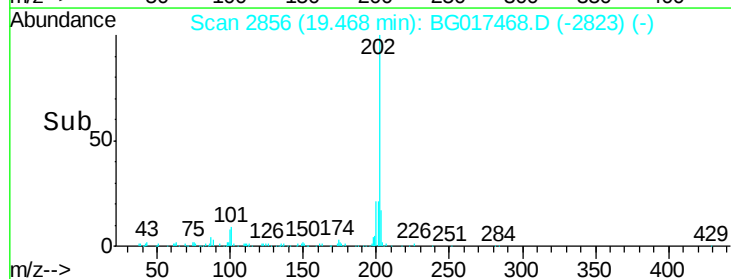
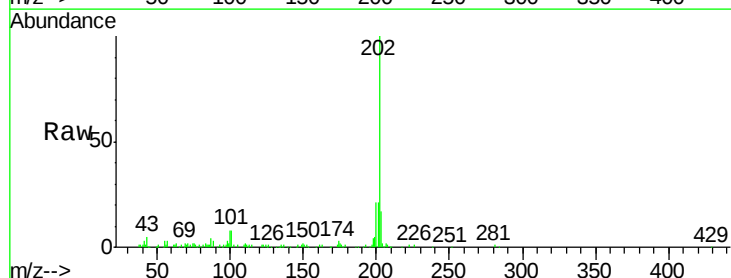
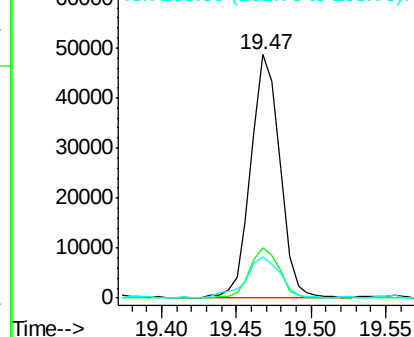
Acq: 5 Jun 2015 8:52

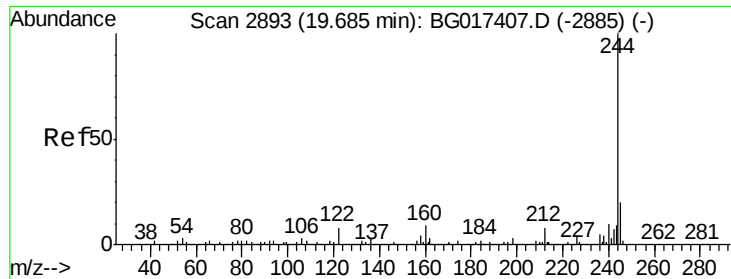
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.3	13.9	20.9

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: 44.03 ng

RT: 19.68 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

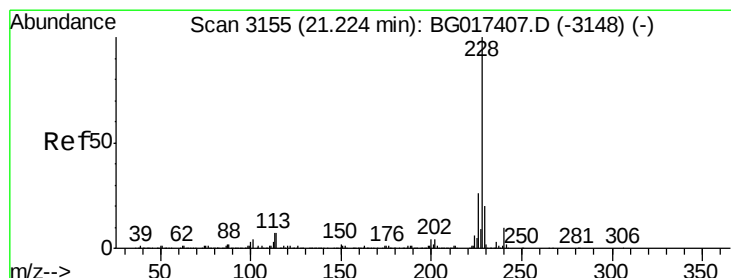
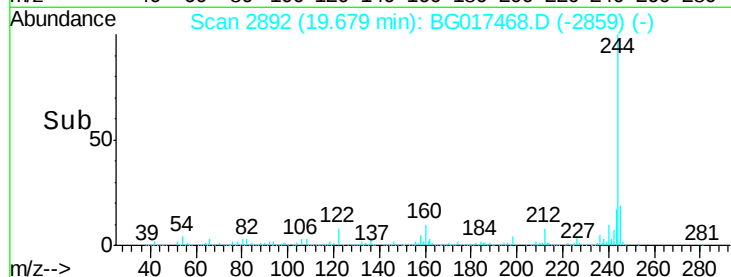
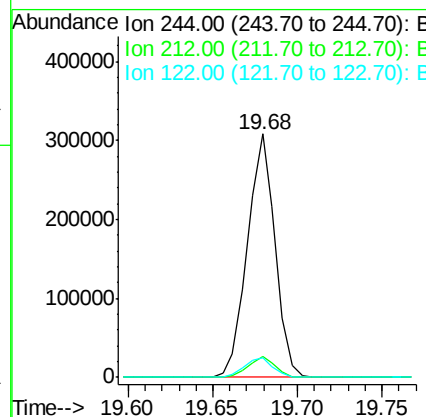
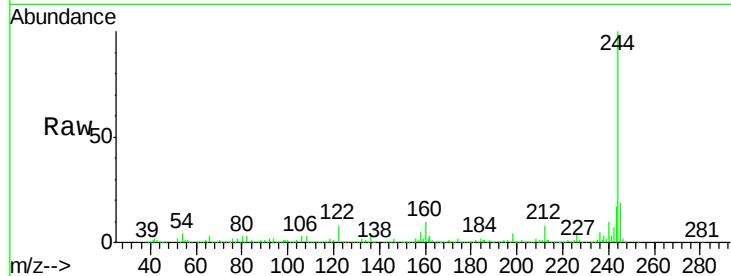
ClientSampleId :

C-1

Tot Ion:	244	Resp:	351479
Ion Ratio		Lower	Upper
244	100		
212	8.5	6.4	9.6
122	8.2	6.6	10.0

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 3.55 ng

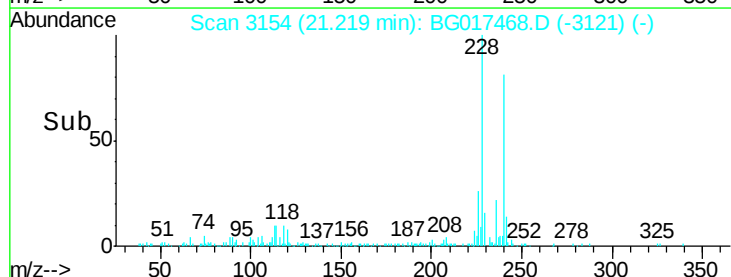
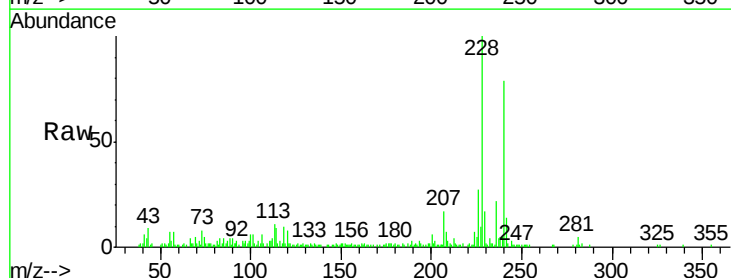
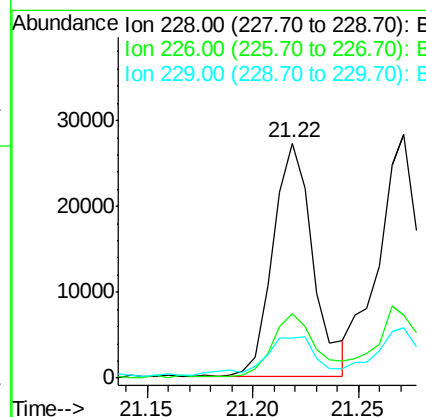
RT: 21.22 min Scan# 3154

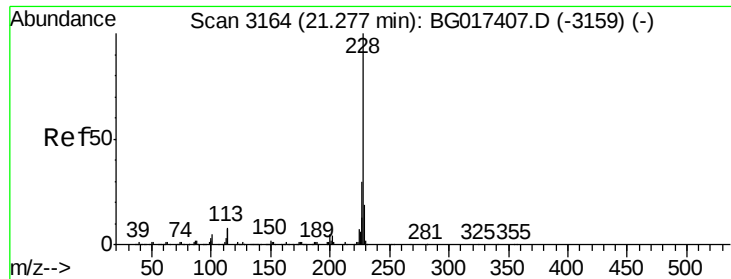
Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Tgt Ion:	228	Resp:	35980
Ion Ratio		Lower	Upper
228	100		
226	27.4	21.0	31.6
229	17.3	15.7	23.5





#82

Chrysene

Concen: 4.15 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

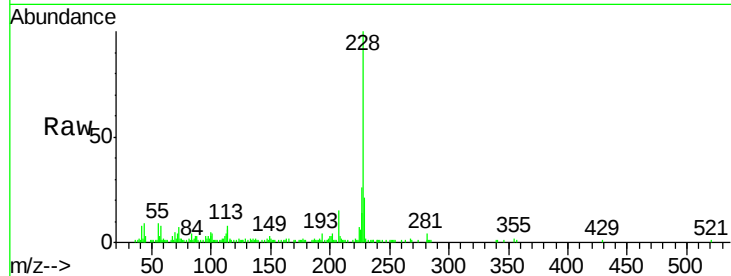
ClientSampled :

C-1

Tot Ion:	228	Resp:	38170
Ion Ratio		Lower	Upper
228	100		
226	26.1	23.7	35.5
229	20.6	15.2	22.8

Manual Integrations
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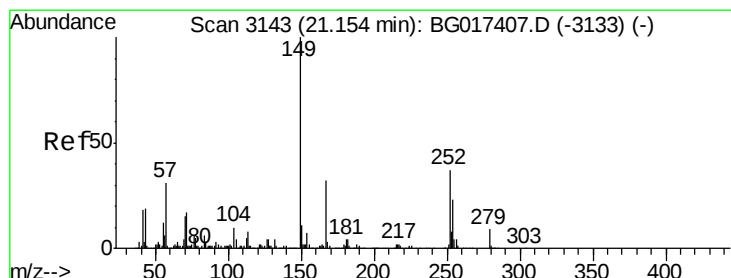
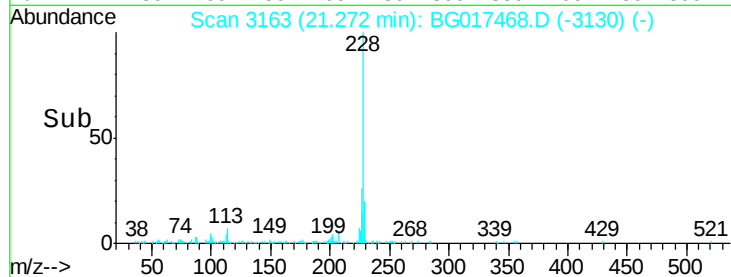
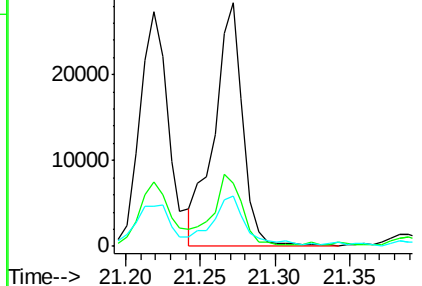
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.20 ng

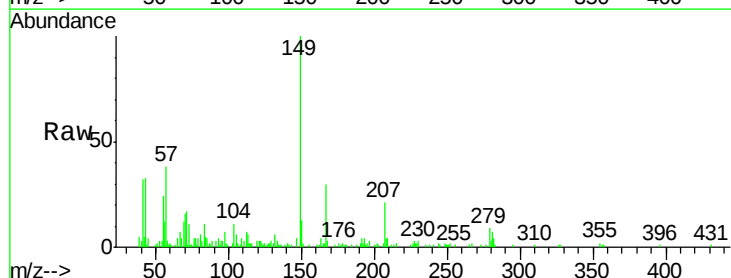
RT: 21.15 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

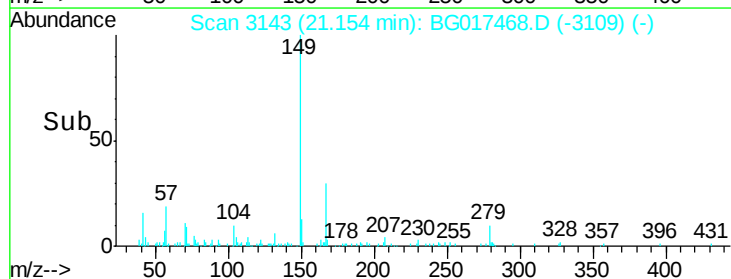
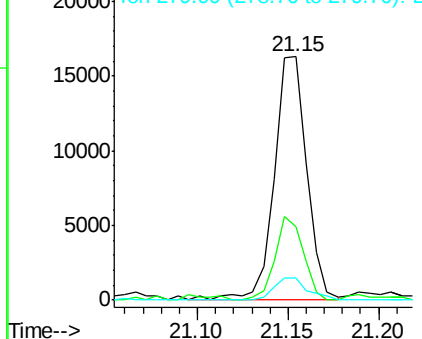
Tgt Ion:	149	Resp:	20325
Ion Ratio		Lower	Upper
149	100		
167	30.4	25.4	38.2
279	9.3	7.1	10.7

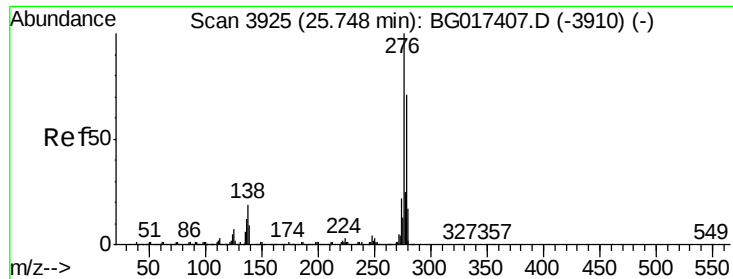


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





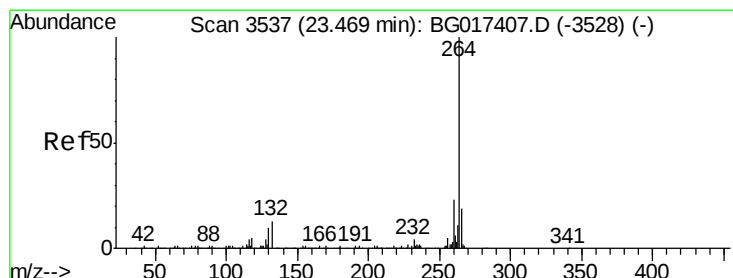
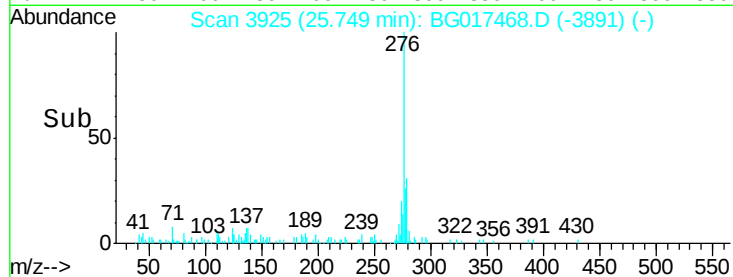
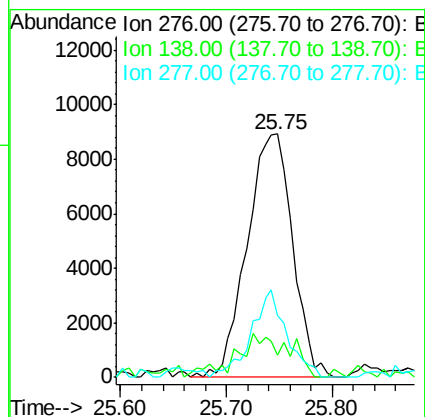
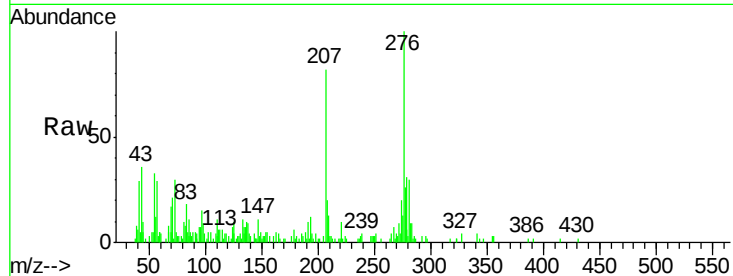
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 25.75 min Scan# 3925
Delta R.T. 0.00 min
Lab File: BG017468.D
Acq: 5 Jun 2015 8:52

Instrument :
BNA_G
ClientSampleId :
C-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100		26605		
138	0.0	15.4	23.0#		
277	28.3	20.5	30.7		

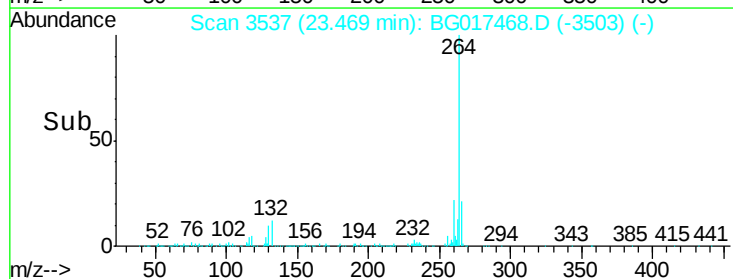
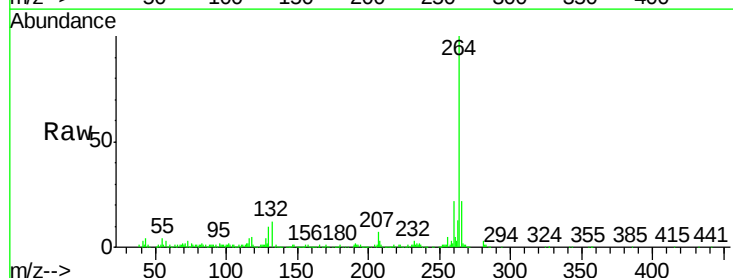
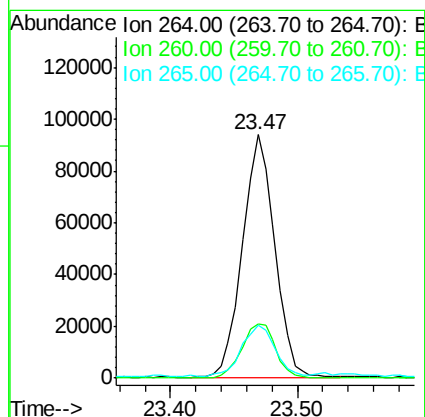
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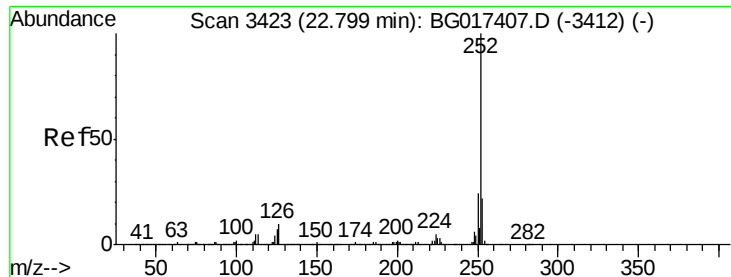
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.47 min Scan# 3537
Delta R.T. 0.00 min
Lab File: BG017468.D
Acq: 5 Jun 2015 8:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		165315		
260	22.3	18.2	27.4		
265	21.7	15.8	23.6		





#87

Benzo(b)fluoranthene

Concen: 4.42 ng

RT: 22.79 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

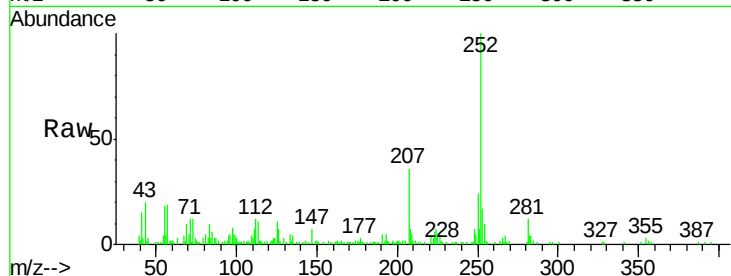
ClientSampled :

C-1

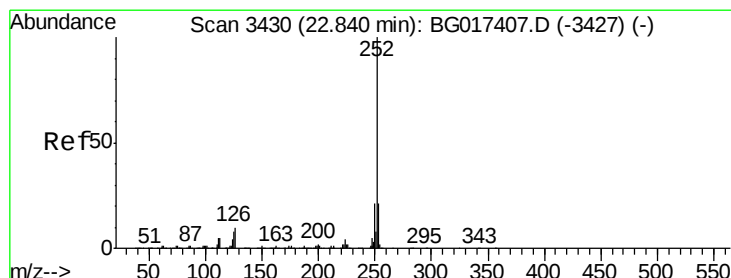
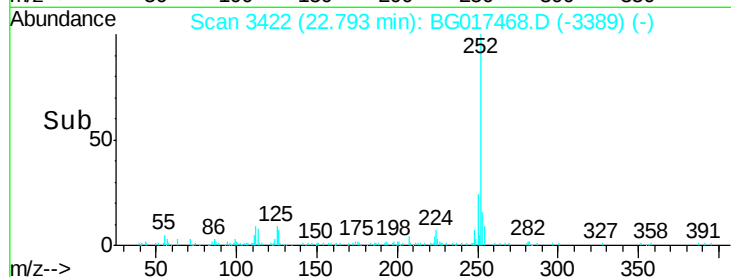
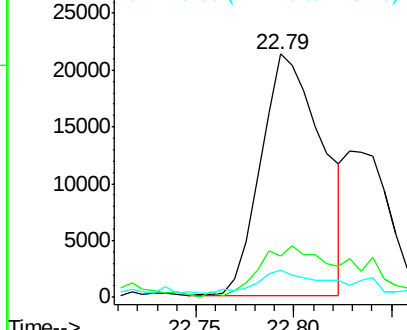
Tot Ion:	252	Resp:	46285
Ion Ratio	Lower	Upper	
252	100		
253	16.9	17.4	26.2#
125	11.3	5.8	8.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.05 ng m

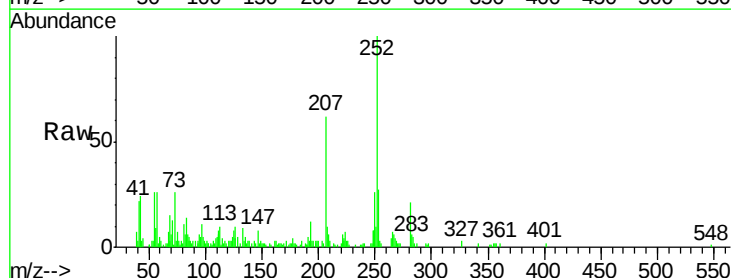
RT: 22.83 min Scan# 3428

Delta R.T. -0.01 min

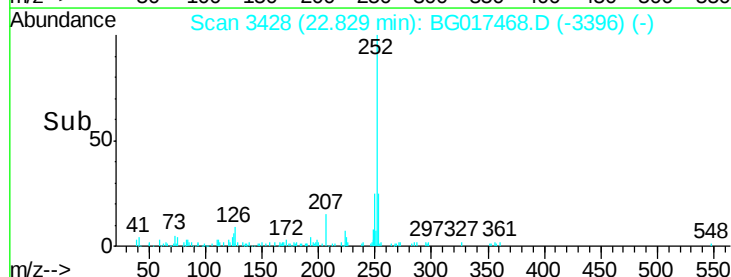
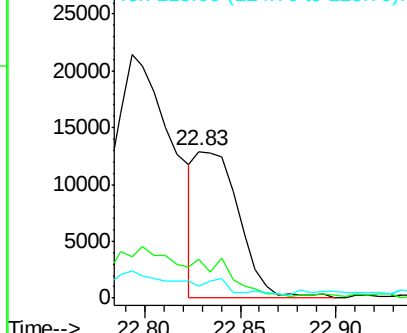
Lab File: BG017468.D

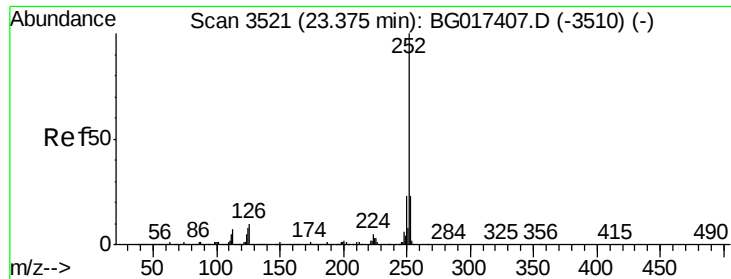
Acq: 5 Jun 2015 8:52

Tgt Ion:	252	Resp:	20541
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.7	26.5#
125	8.4	6.5	9.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.52 ng

RT: 23.37 min Scan# 3520

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Instrument :

BNA_G

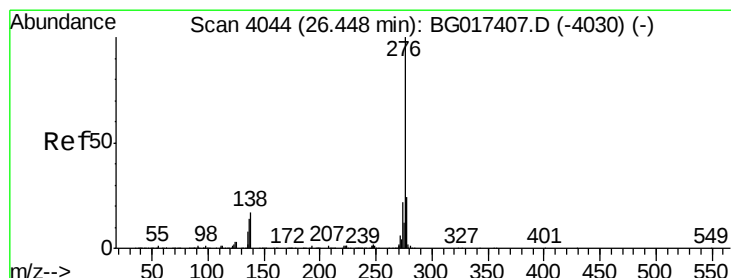
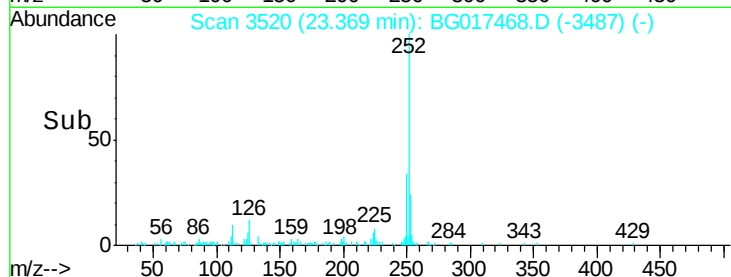
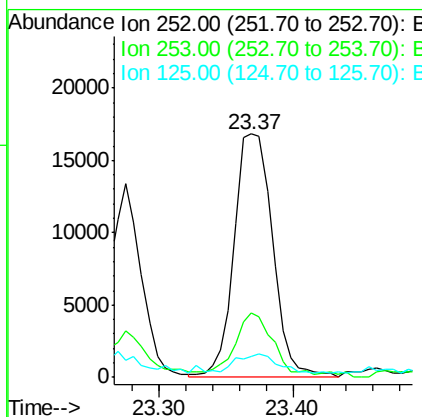
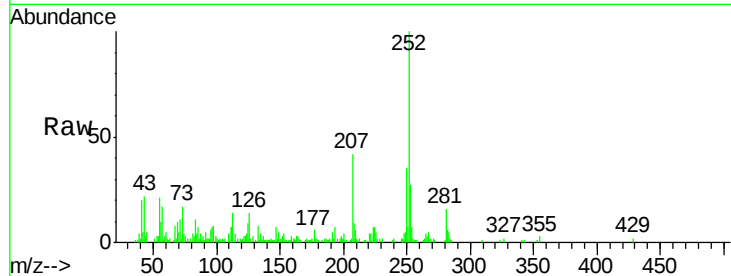
ClientSampleId :

C-1

Tot Ion:	252	Resp:	33793
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.1	27.1
125	8.8	6.5	9.7

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#91

Benzo(g,h,i)perylene

Concen: 2.53 ng

RT: 26.44 min Scan# 4042

Delta R.T. -0.01 min

Lab File: BG017468.D

Acq: 5 Jun 2015 8:52

Tgt Ion:	276	Resp:	24014
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	17.3	13.5	20.3

