

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
 Data File : BG016944.D
 Acq On : 8 May 2015 5:21
 Operator : TP/IZ
 Sample : G2116-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-51D

Manual Integrations
 APPROVED

apatel
 5/8/2015 5:08:51 PM

Quant Time: May 08 06:15:41 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 04:04:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	68973	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	294550	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	188247	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	410429	20.00	ng	0.00
75) Chrysene-d12	21.35	240	400644	20.00	ng	0.00
86) Perylene-d12	23.66	264	408460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	449317	113.43	ng	0.00
7) Phenol-d6	6.97	99	681581	120.44	ng	0.00
23) Nitrobenzene-d5	8.96	82	473132	78.47	ng	0.00
41) 2,4,6-Tribromophenol	15.93	330	178738	94.58	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	877427	70.34	ng	0.00
78) Terphenyl-d14	19.81	244	1295704	75.81	ng	0.00
Target Compounds						
10) Phenol	6.99	94	18515	3.05	ng	Qvalue # 70
49) Dimethylphthalate	13.89	163	56434	4.01	ng	97
70) Phenanthrene	17.22	178	173719	8.22	ng	99
71) Anthracene	17.31	178	44444	2.09	ng	95
74) Fluoranthene	19.24	202	205481	8.39	ng	97
77) Pyrene	19.60	202	189108	8.00	ng	98
80) Benzo(a)anthracene	21.34	228	86197	4.01	ng	97
82) Chrysene	21.39	228	74606	3.71	ng	93
87) Benzo(b)fluoranthene	22.96	252	83834	3.68	ng	# 94
89) Benzo(a)pyrene	23.56	252	59505	2.80	ng	# 91

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

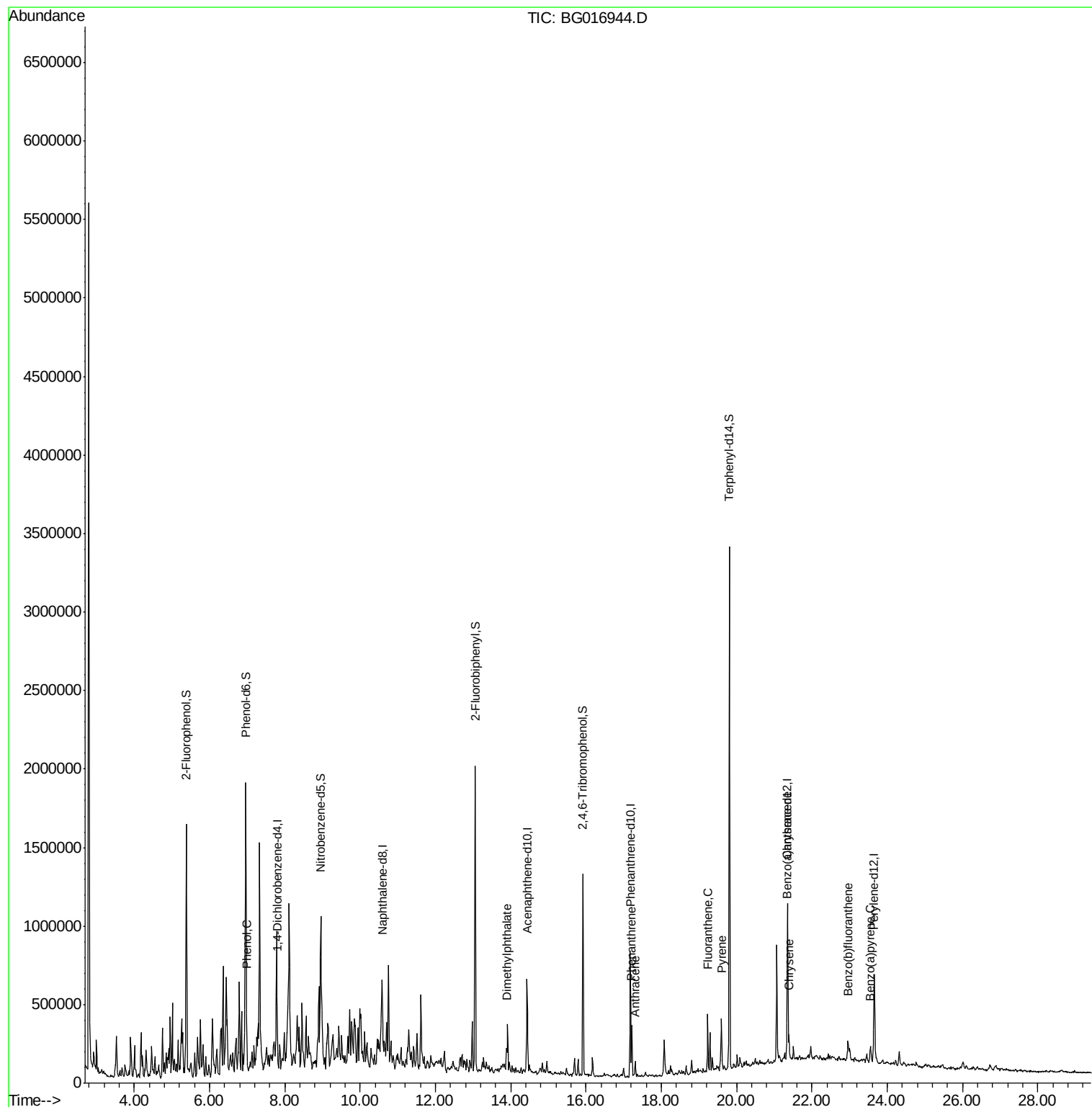
Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
Data File : BG016944.D
Acq On : 8 May 2015 5:21
Operator : TP/IZ
Sample : G2116-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

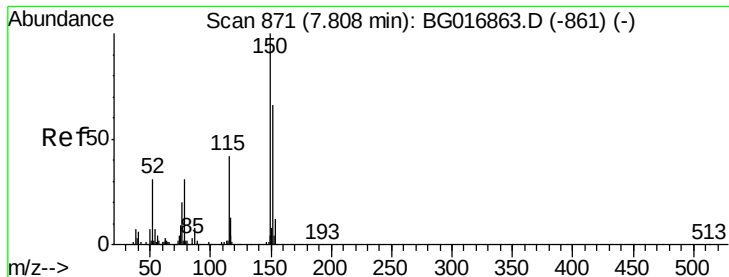
Instrument :
BNA_G
ClientSampleId :
SB-51D

Manual Integrations
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Quant Time: May 08 06:15:41 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

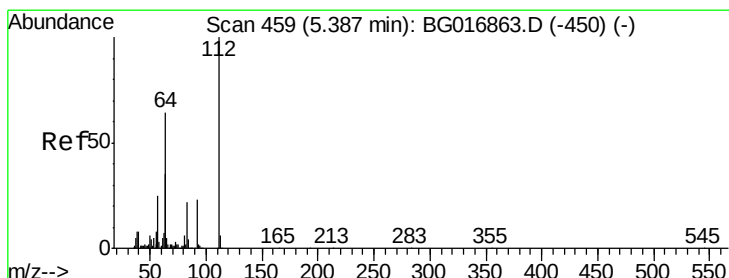
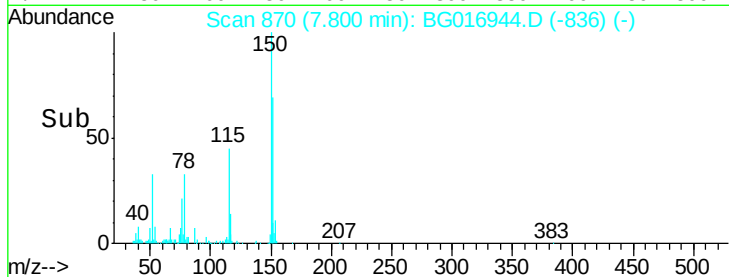
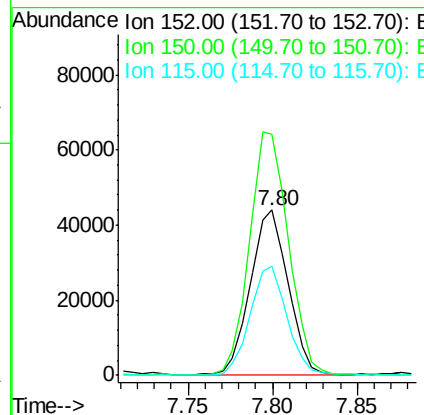
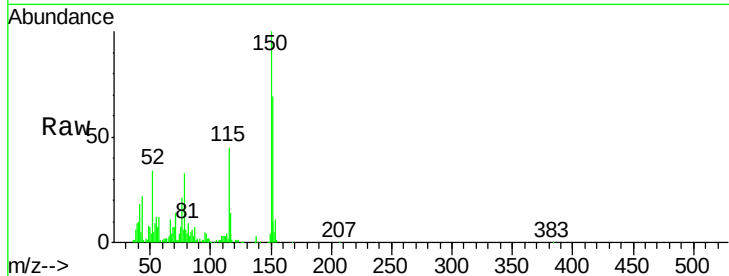
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.80 min Scan# 870
Delta R.T. 0.00 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Instrument :
BNA_G
ClientSampleId :
SB-51D

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.0	121.0	181.4
115	66.1	50.5	75.7

Manual Integrations
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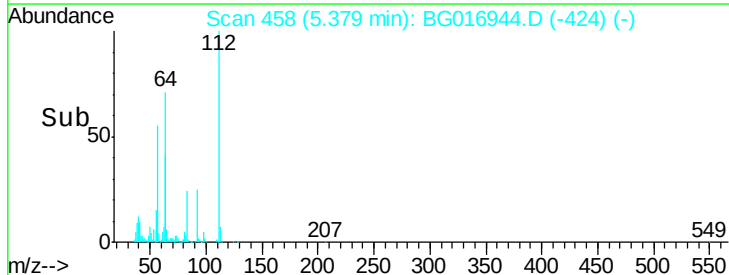
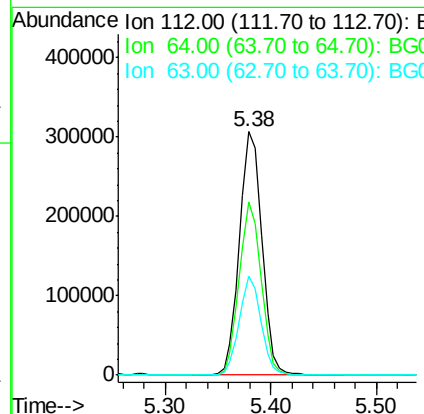
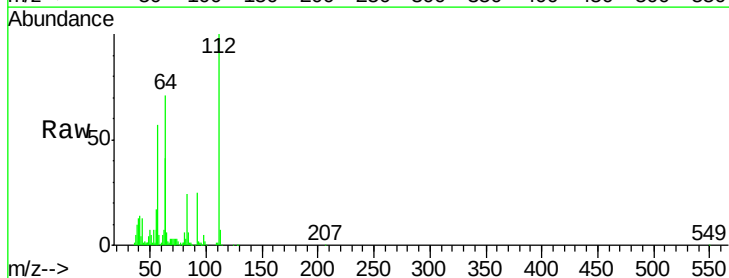
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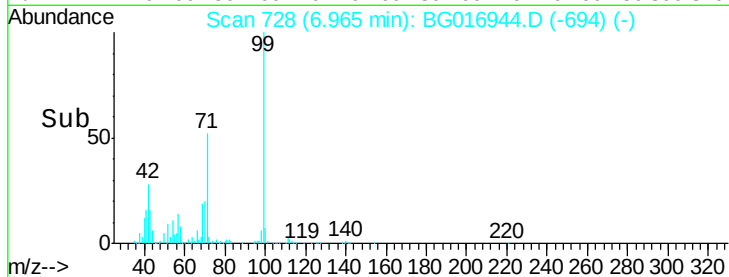
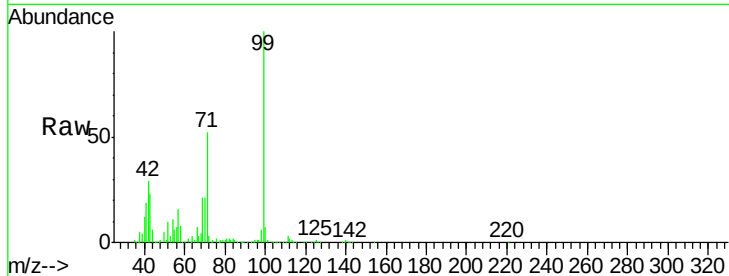
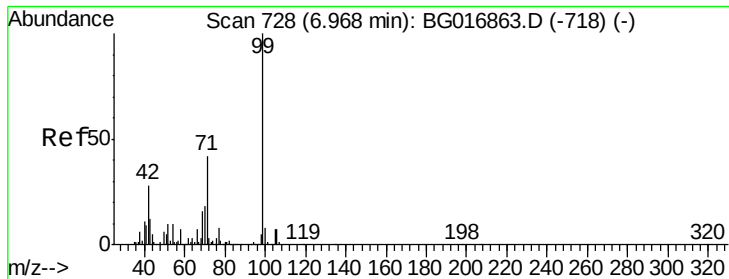


#5

2-Fluorophenol
Concen: 113.43 ng
RT: 5.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	51.4	77.2
63	40.7	28.1	42.1





#7

Phenol-d6

Concen: 120.44 ng

RT: 6.97 min Scan# 728

Delta R.T. 0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

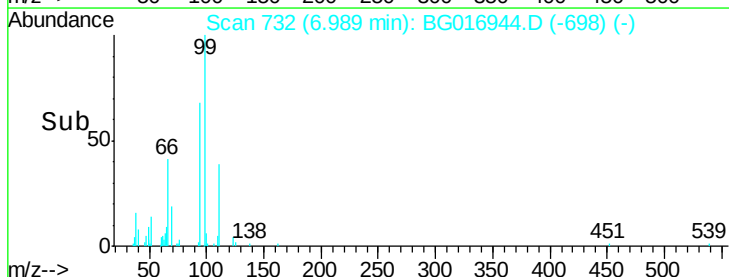
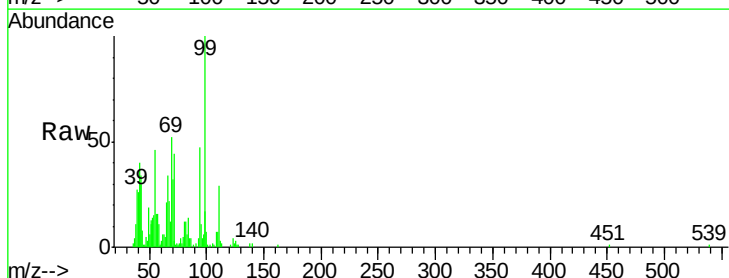
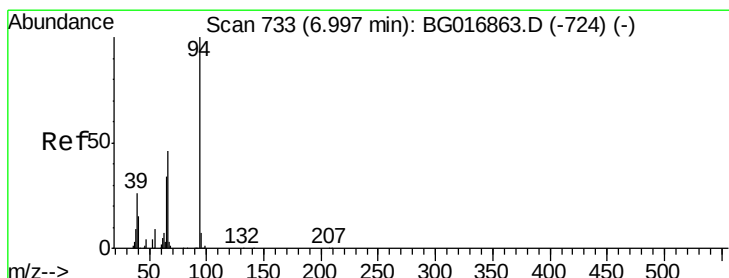
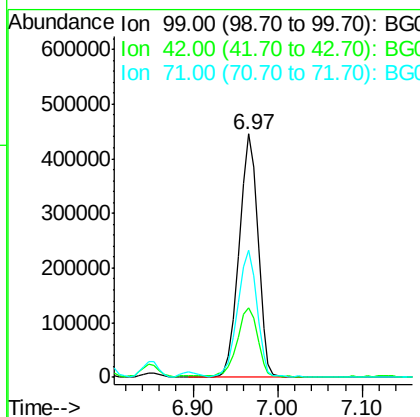
ClientSampleId :

SB-51D

Tot Ion:	99	Resp:	681581
Ion Ratio	Lower	Upper	
99	100		
42	28.6	22.1	33.1
71	52.3	33.4	50.0#

Manual Integrations
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#10

Phenol

Concen: 3.05 ng

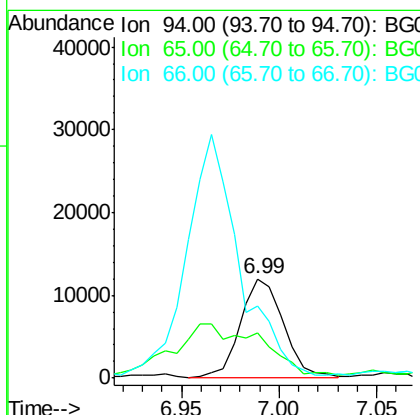
RT: 6.99 min Scan# 732

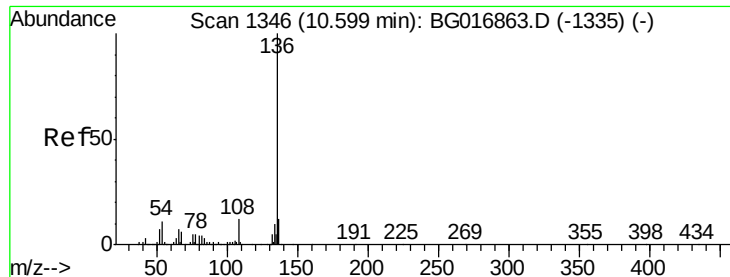
Delta R.T. 0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Tgt Ion:	94	Resp:	18515
Ion Ratio	Lower	Upper	
94	100		
65	45.3	14.3	54.3
66	72.6	26.9	66.9#





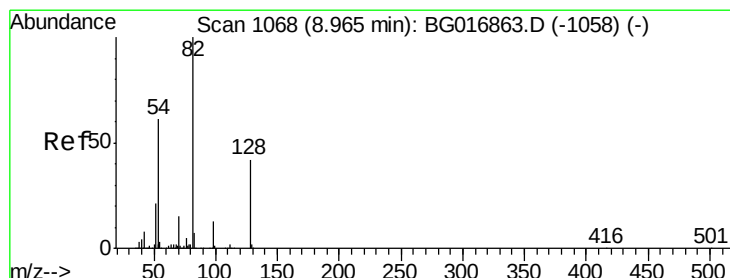
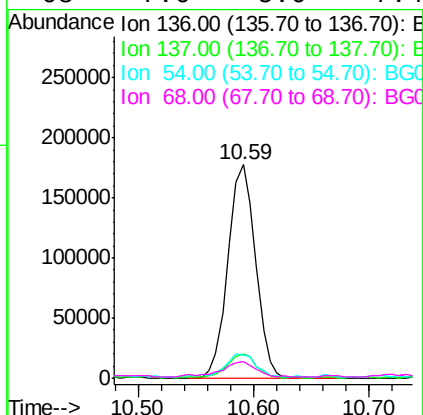
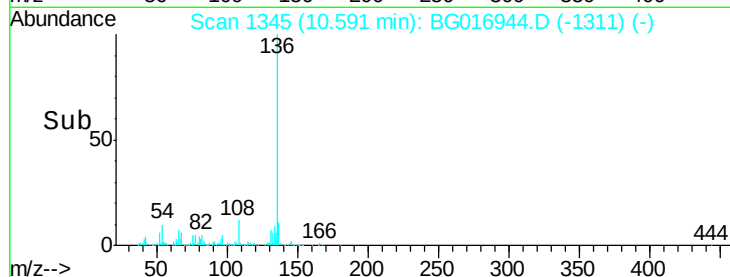
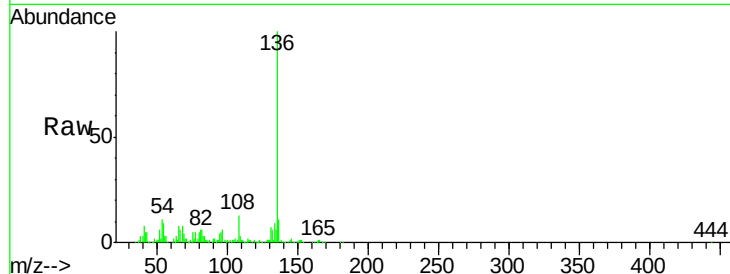
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Instrument :
BNA_G
ClientSampled :
SB-51D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		294550		
137	11.3	9.8	14.8		
54	10.9	8.7	13.1		
68	7.6	5.0	7.4		

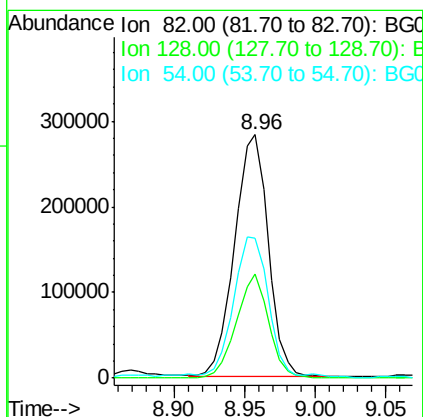
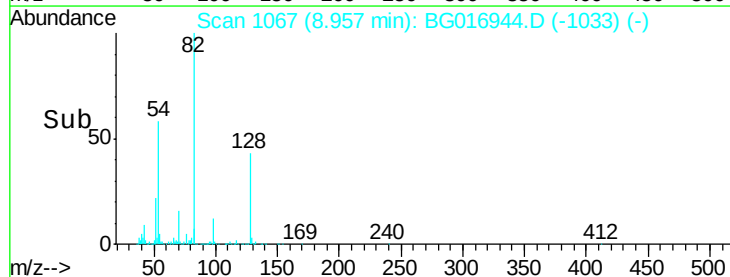
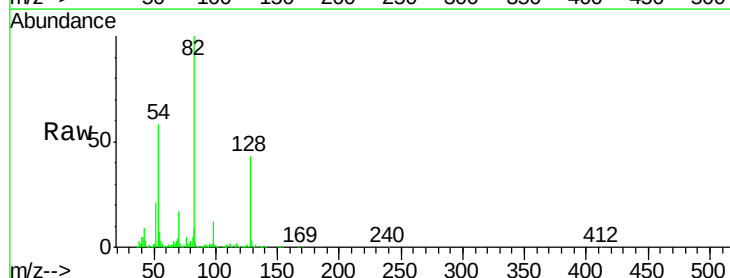
Manual Integrations
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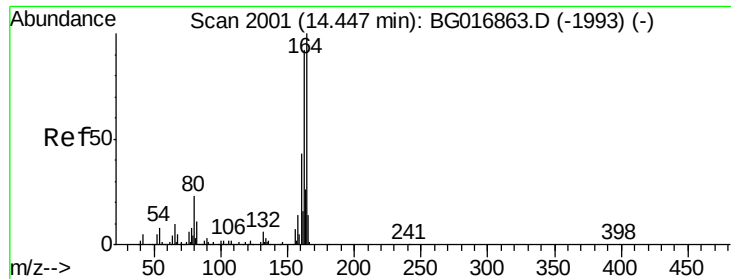
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#23
Nitrobenzene-d5
Concen: 78.47 ng
RT: 8.96 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		473132		
128	42.7	33.2	49.8		
54	57.5	48.6	72.8		





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

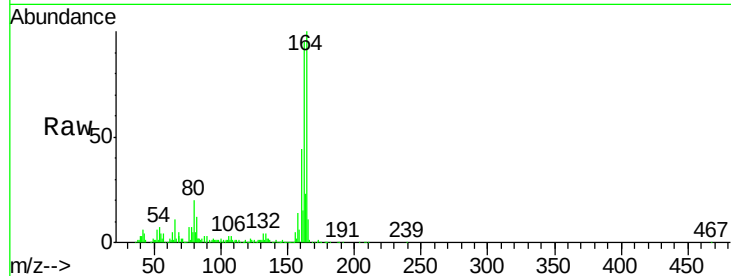
ClientSampleId :

SB-51D

Tot Ion	Ratio	Resp	Lower	Upper
164	100	188247		
162	94.5	74.0	111.0	
160	43.9	34.7	52.1	

Manual Integrations
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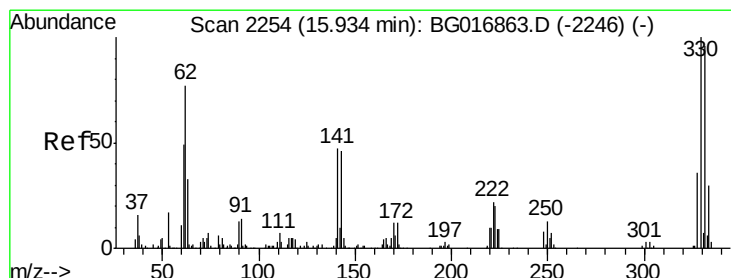
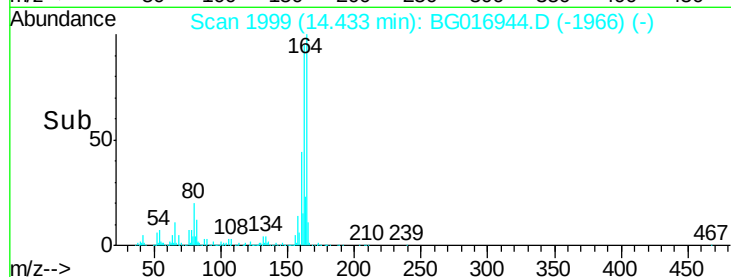
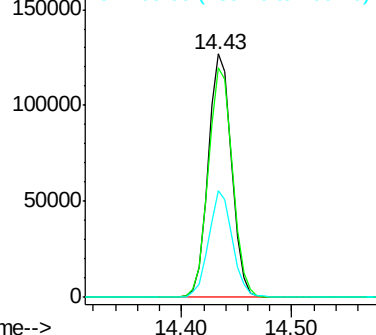
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 94.58 ng

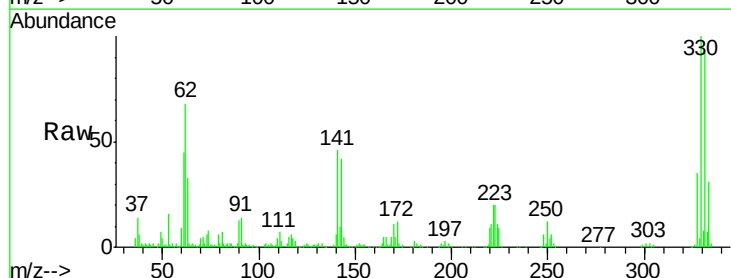
RT: 15.93 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

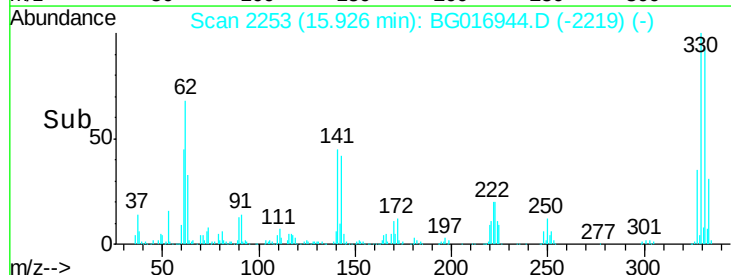
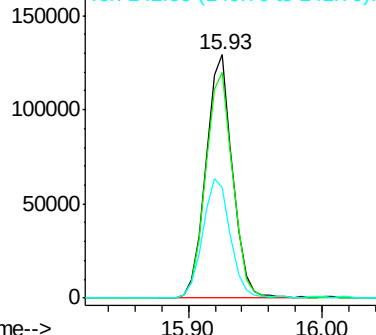
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	178738		
332	94.5	0.0	0.0#	
141	50.5	0.0	0.0#	

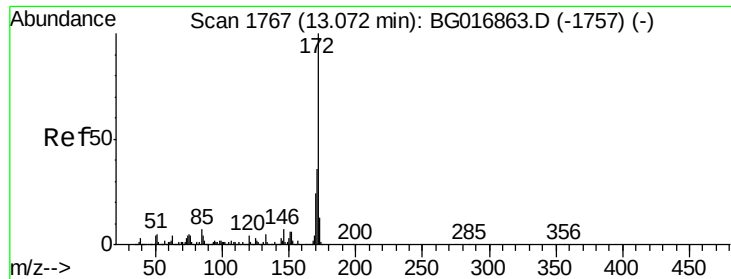


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





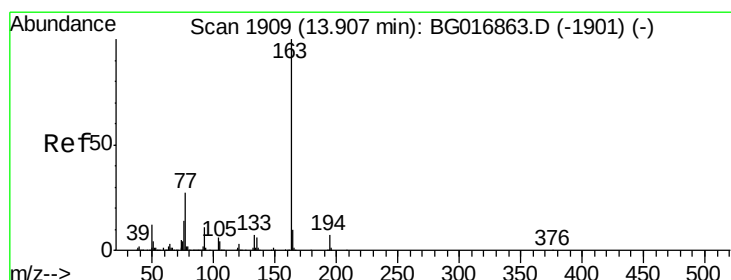
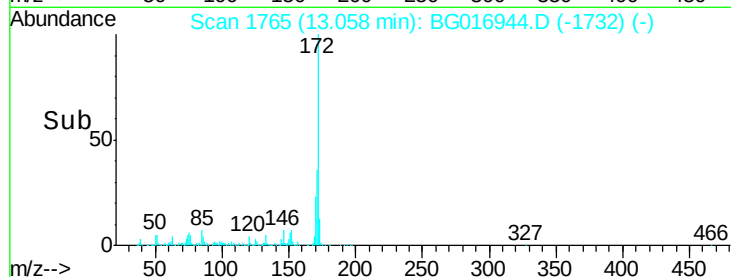
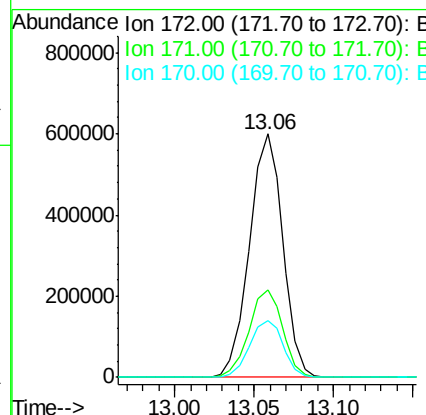
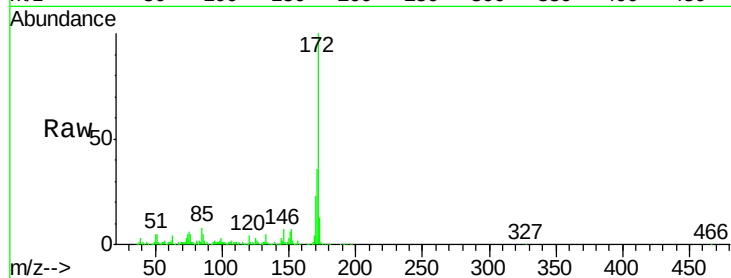
#44
2-Fluorobiphenyl
Concen: 70.34 ng
RT: 13.06 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Instrument :
BNA_G
ClientSampleId :
SB-51D

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	23.1	19.0	28.4

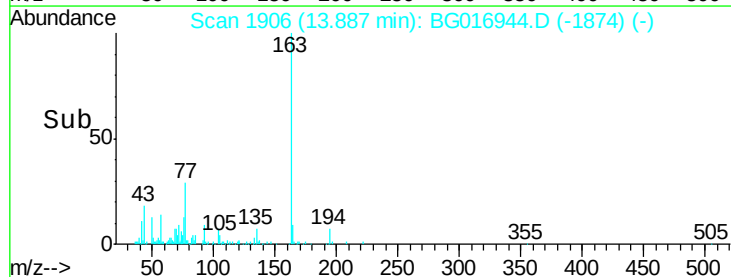
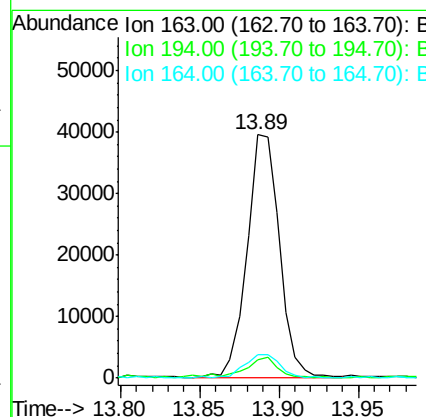
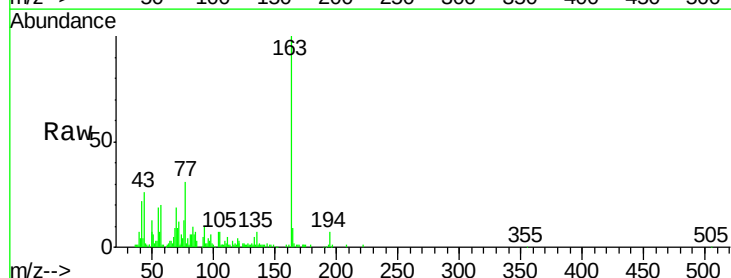
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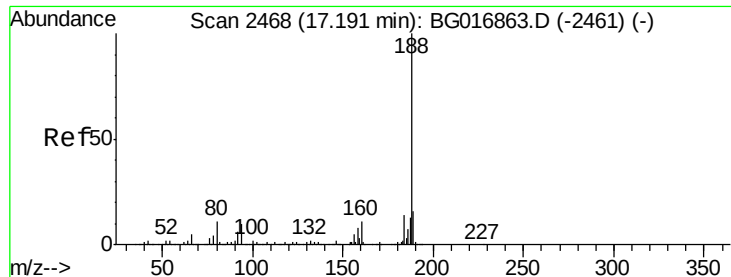
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#49
Dimethylphthalate
Concen: 4.01 ng
RT: 13.89 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BG016944.D
Acq: 8 May 2015 5:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.4	5.2	7.8
164	9.4	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

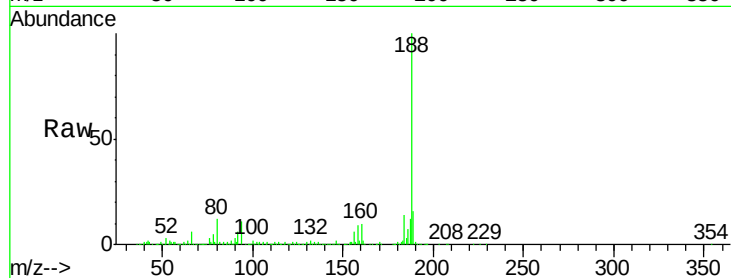
ClientSampleId :

SB-51D

Tot Ion:	188	Resp:	410429
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.2	12.4
80	11.9	8.8	13.2

Manual Integrations
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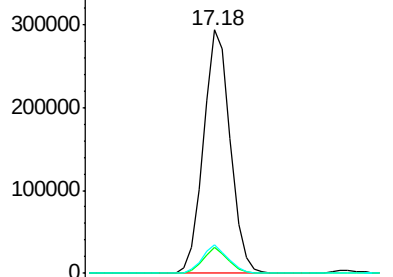
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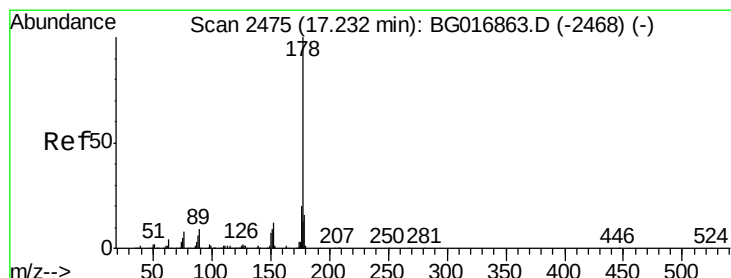
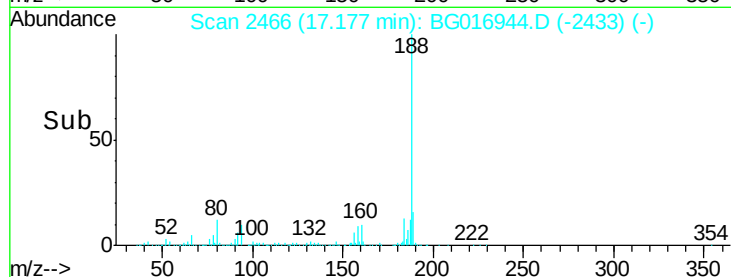
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



Time-->



#70

Phenanthrene

Concen: 8.22 ng

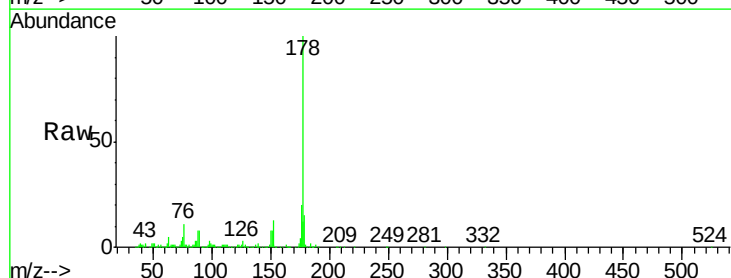
RT: 17.22 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

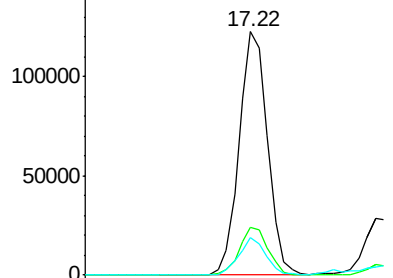
Tgt Ion:	178	Resp:	173719
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.0	24.0
179	15.3	13.0	19.6



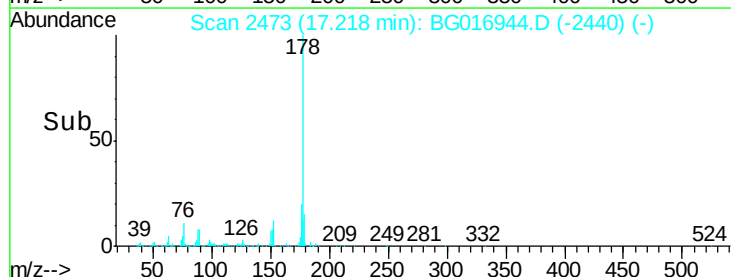
Abundance Ion 178.00 (177.70 to 178.70): E

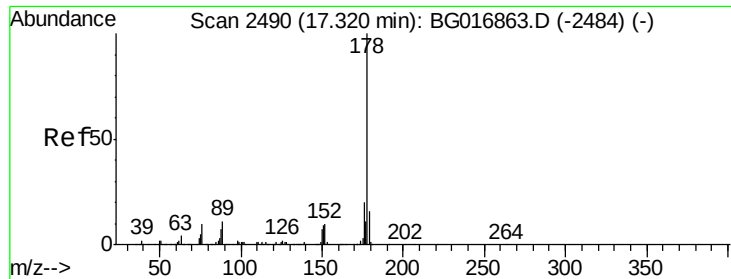
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#71

Anthracene

Concen: 2.09 ng

RT: 17.31 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

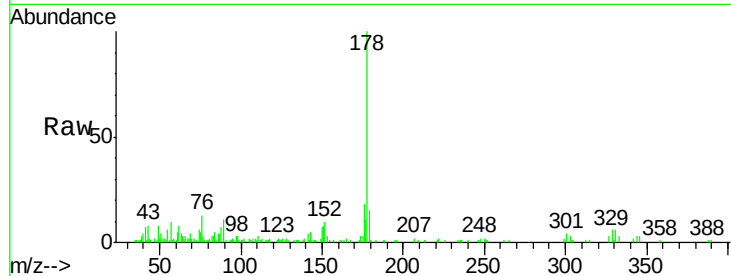
ClientSampled :

SB-51D

Tot Ion:	178	Resp:	44444
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	14.9	13.1	19.7

Manual Integrations
APPROVED

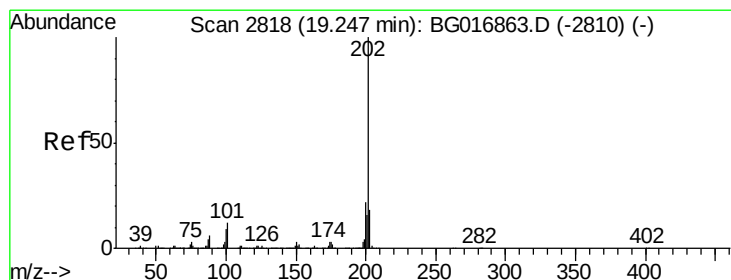
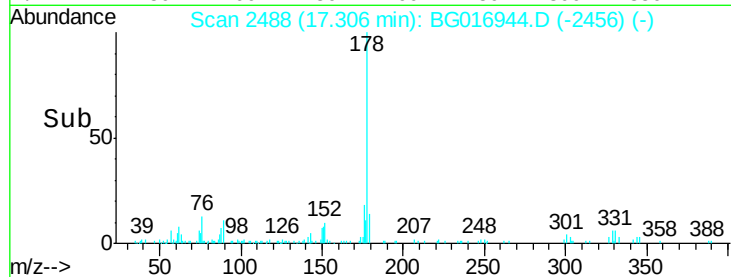
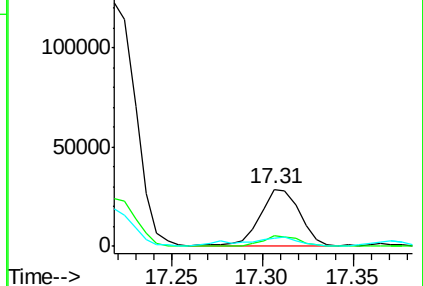
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.39 ng

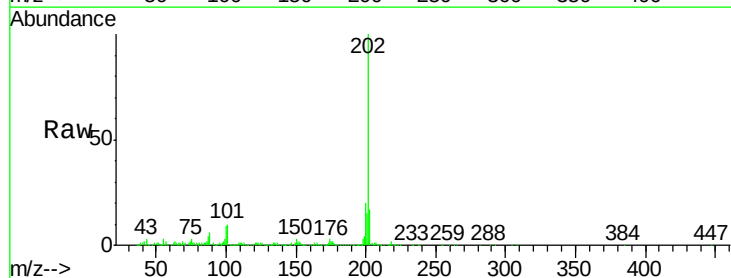
RT: 19.24 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

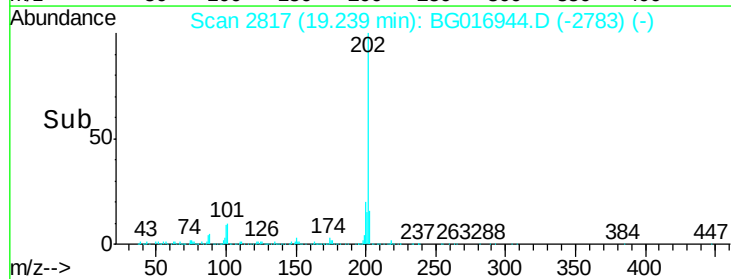
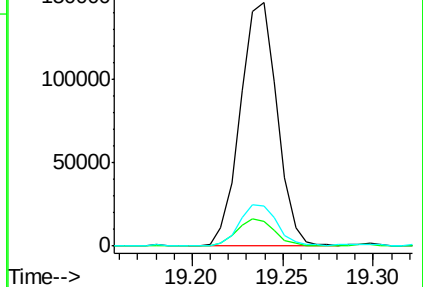
Tgt Ion:	202	Resp:	205481
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.5
203	16.6	0.0	38.1

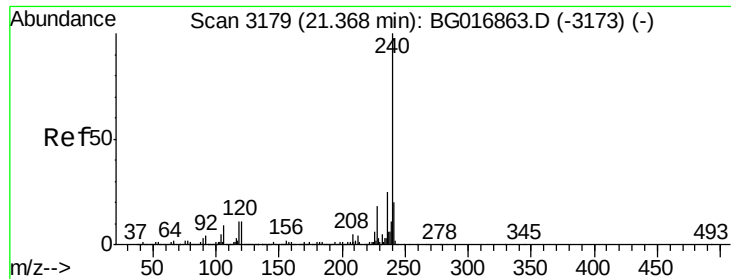


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.35 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

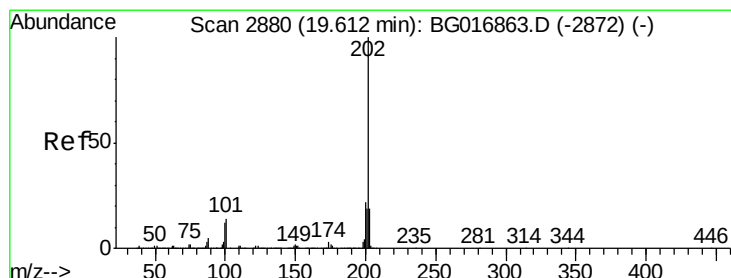
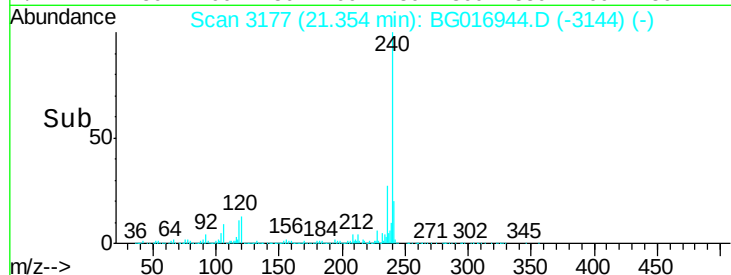
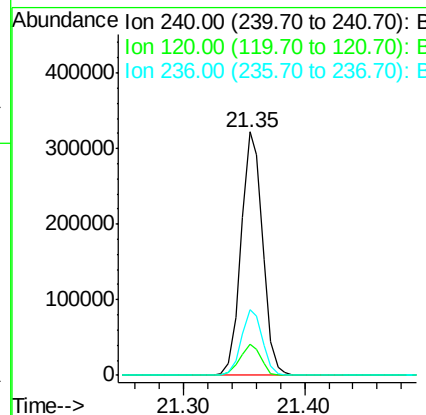
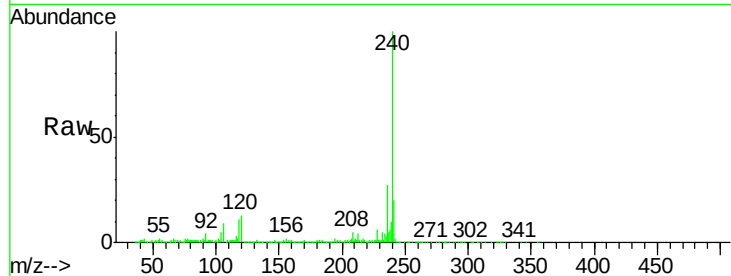
ClientSampleId :

SB-51D

Tot Ion:	240	Resp:	400644
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.1	13.7
236	27.0	20.2	30.4

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#77

Pyrene

Concen: 8.00 ng

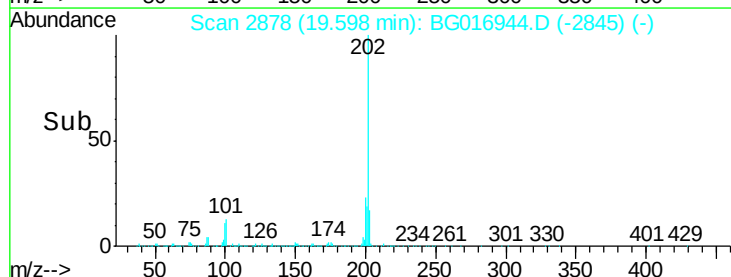
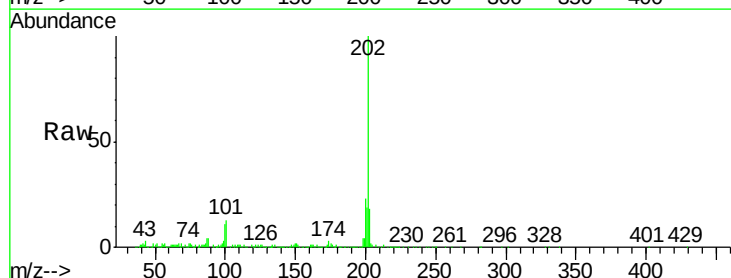
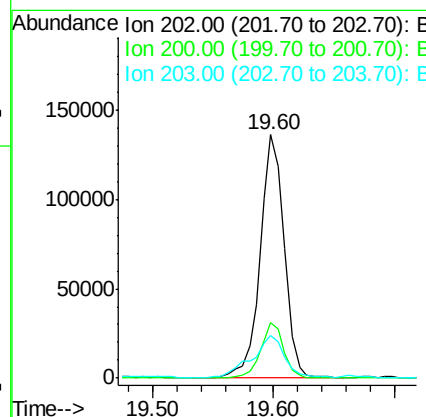
RT: 19.60 min Scan# 2878

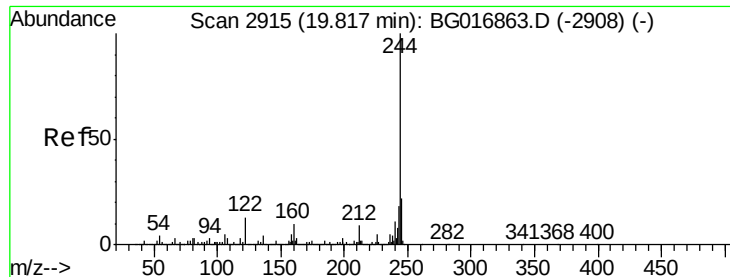
Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Tgt Ion:	202	Resp:	189108
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.9	26.9
203	17.5	15.2	22.8





#78

Terphenyl-d14

Concen: 75.81 ng

RT: 19.81 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

ClientSampled :

SB-51D

Tot Ion:244 Resp: 1295704

Ion Ratio Lower Upper

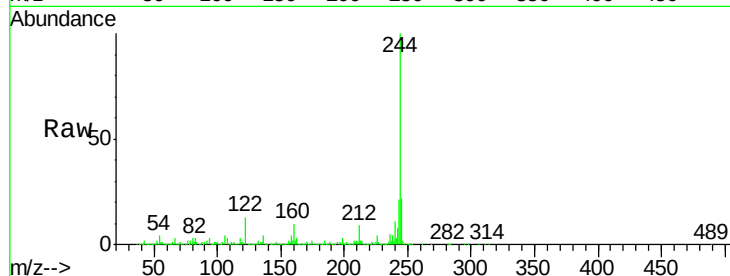
244 100

212 8.6 7.0 10.6

122 12.6 10.4 15.6

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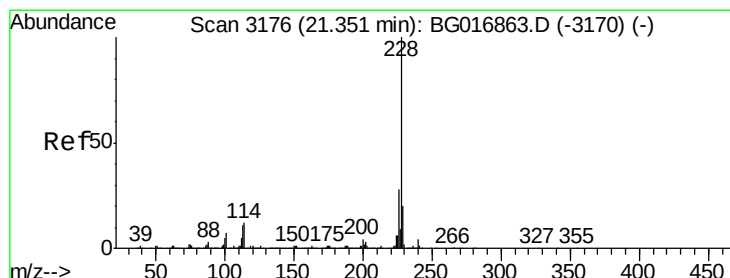
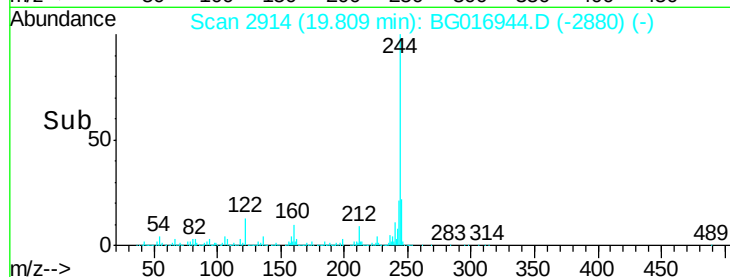
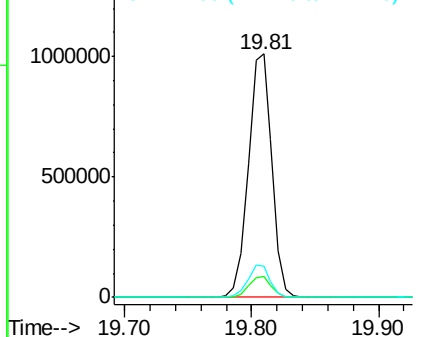
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.01 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

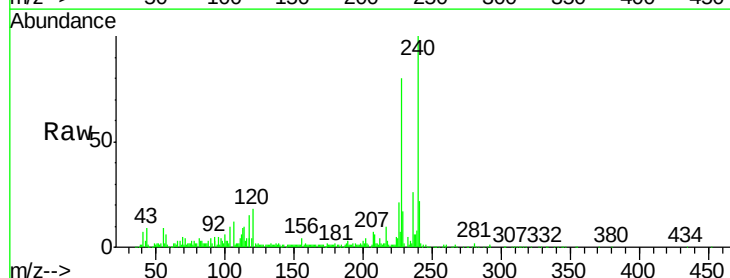
Tgt Ion:228 Resp: 86197

Ion Ratio Lower Upper

228 100

226 26.5 22.7 34.1

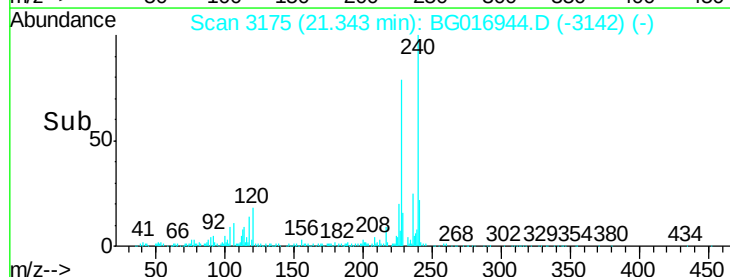
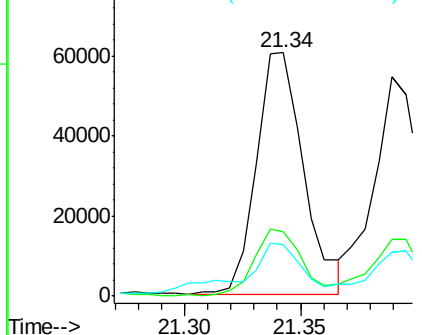
229 21.4 16.1 24.1

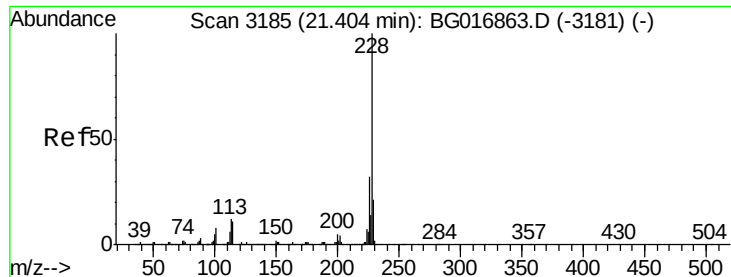


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.71 ng

RT: 21.39 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

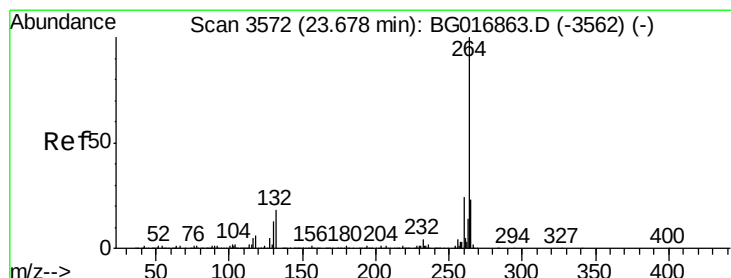
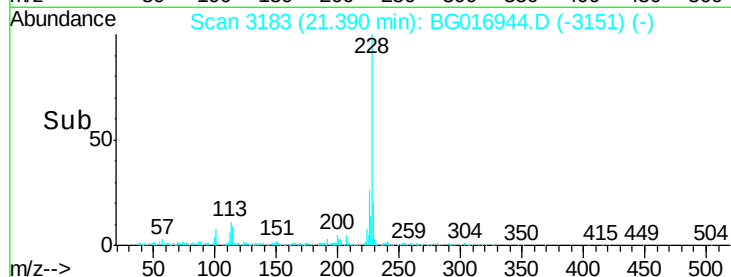
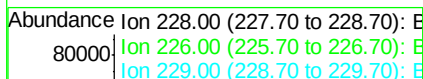
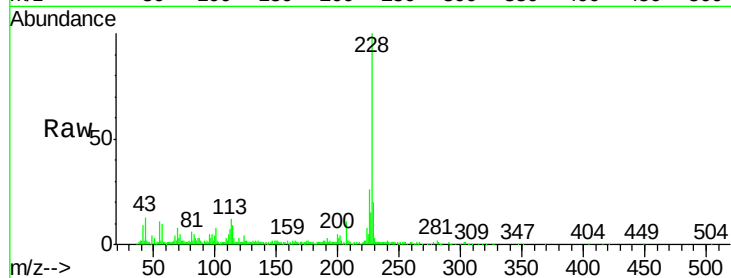
ClientSampled :

SB-51D

Tot Ion:	228	Resp:	74606
Ion Ratio	Lower	Upper	
228	100		
226	26.1	25.4	38.0
229	19.9	16.5	24.7

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#86

Perylene-d12

Concen: 20.00 ng

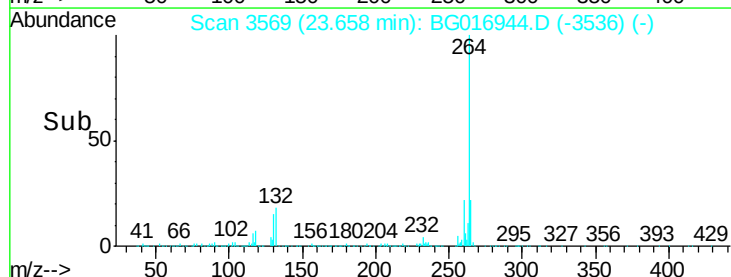
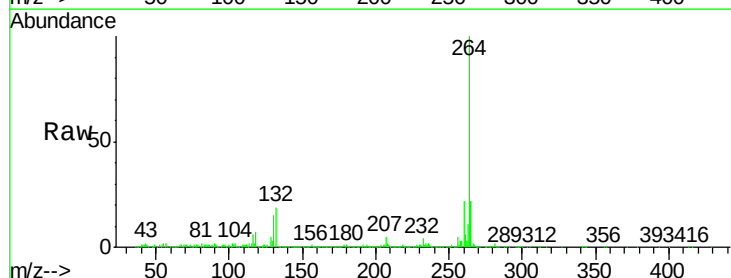
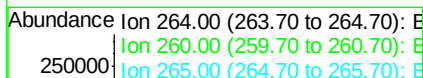
RT: 23.66 min Scan# 3569

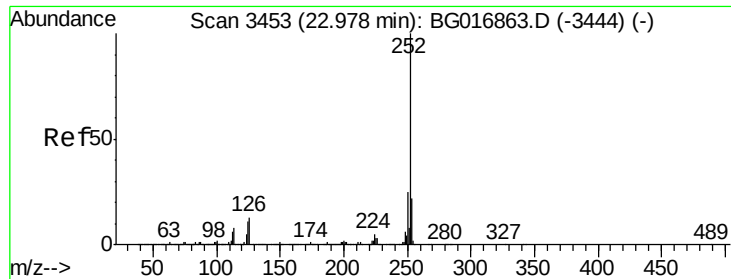
Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Tgt Ion:	264	Resp:	408460
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.5	29.3
265	22.3	18.5	27.7





#87

Benzo(b)fluoranthene

Concen: 3.68 ng

RT: 22.96 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Instrument :

BNA_G

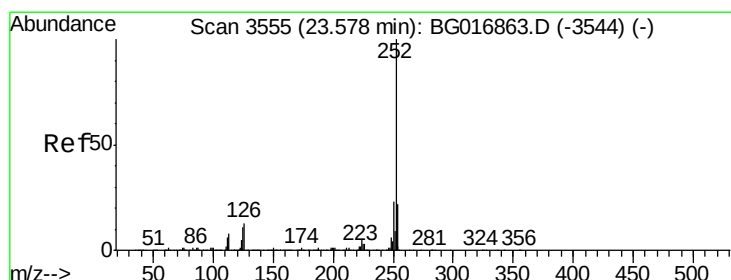
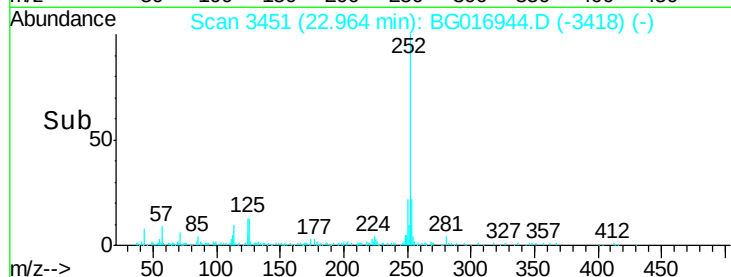
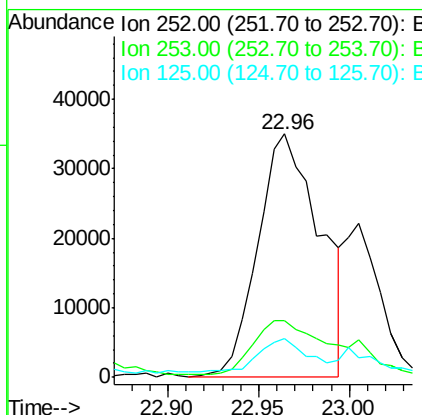
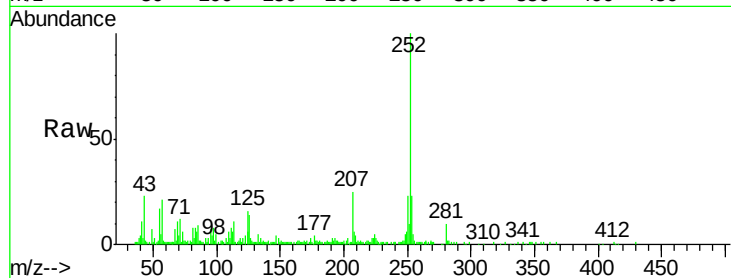
ClientSampleId :

SB-51D

Tot Ion:	252	Resp:	83834
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	15.8	8.6	13.0#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.80 ng

RT: 23.56 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BG016944.D

Acq: 8 May 2015 5:21

Tgt Ion:	252	Resp:	59505
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.7	26.5
125	16.2	8.5	12.7#

