

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017545.D
 Acq On : 8 Jun 2015 16:19
 Operator : TP/IZ
 Sample : G2464-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

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Quant Time: Jun 09 03:17:37 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	22341	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	88733	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	57391	20.00	ng	0.00
63) Phenanthrene-d10	17.03	188	122701	20.00	ng	0.00
75) Chrysene-d12	21.23	240	137110	20.00	ng	0.00
86) Perylene-d12	23.47	264	143535	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	184285	145.33	ng	0.00
7) Phenol-d6	6.82	99	237312	137.37	ng	0.00
23) Nitrobenzene-d5	8.77	82	170138	95.72	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	107793	135.23	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	343217	90.21	ng	0.00
78) Terphenyl-d14	19.68	244	530936	80.03	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.45	128	40253	8.68	ng	98
37) 2-Methylnaphthalene	12.08	142	15035	4.22	ng	98
48) Acenaphthylene	14.00	152	18280	2.96	ng	# 96
49) Dimethylphthalate	13.74	163	53507	10.71	ng	99
54) Dibenzofuran	14.68	168	24860	4.63	ng	96
57) Fluorene	15.34	166	38871	7.98	ng	99
70) Phenanthrene	17.08	178	265569	38.82	ng	99
71) Anthracene	17.17	178	78445	11.48	ng	99
74) Fluoranthene	19.10	202	263208	29.42	ng	98
77) Pyrene	19.47	202	222680	26.36	ng	99
80) Benzo(a)anthracene	21.22	228	138313	16.40	ng	97
82) Chrysene	21.27	228	101369	13.28	ng	97
85) Indeno(1,2,3-cd)pyrene	25.74	276	53085	5.54	ng	# 92
87) Benzo(b)fluoranthene	22.79	252	124280m	13.66	ng	
88) Benzo(k)fluoranthene	22.83	252	45894m	5.27	ng	
89) Benzo(a)pyrene	23.37	252	109358	13.11	ng	99
91) Benzo(g,h,i)perylene	26.44	276	45056	5.46	ng	# 92

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

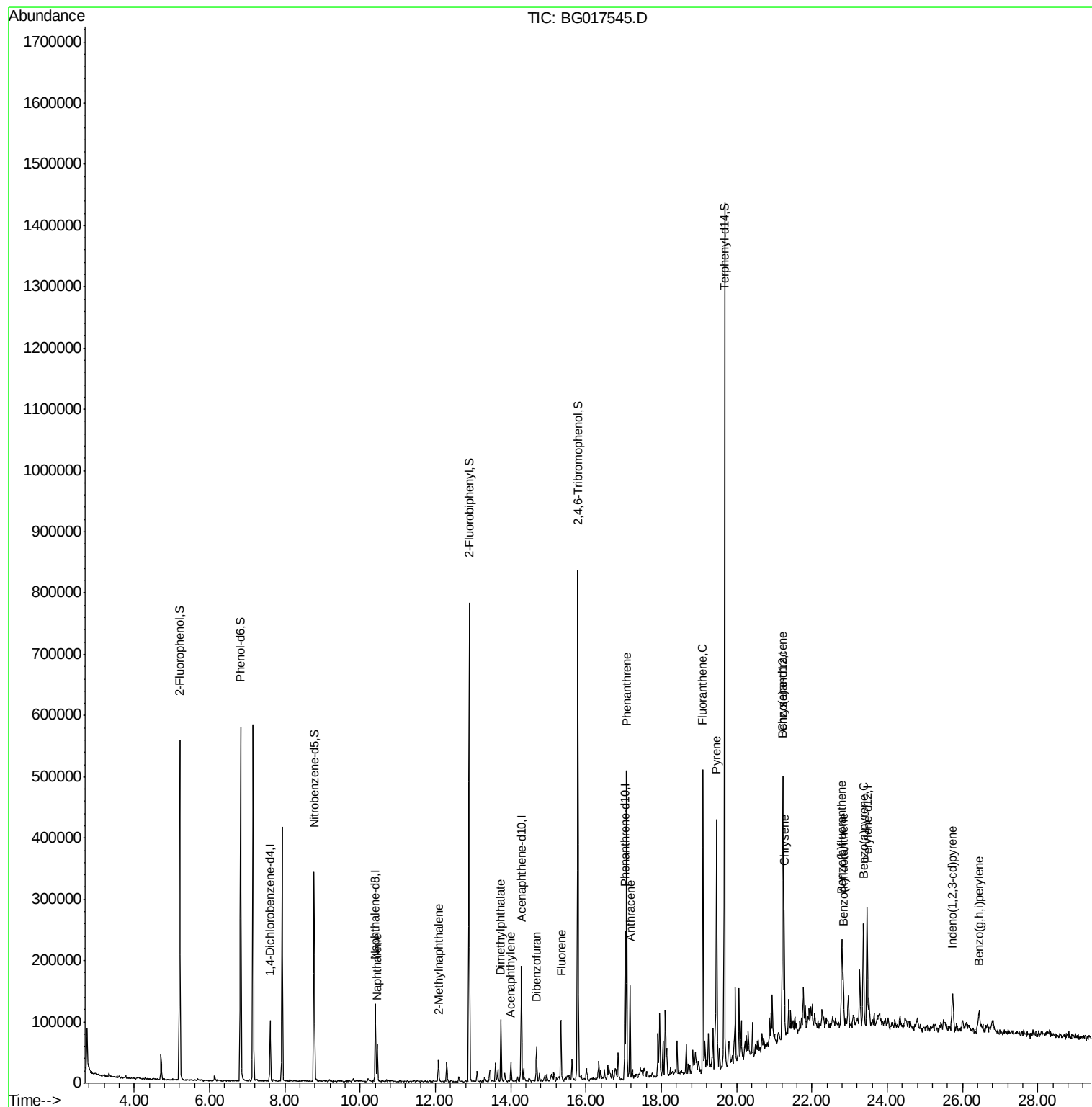
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017545.D
Acq On : 8 Jun 2015 16:19
Operator : TP/IZ
Sample : G2464-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

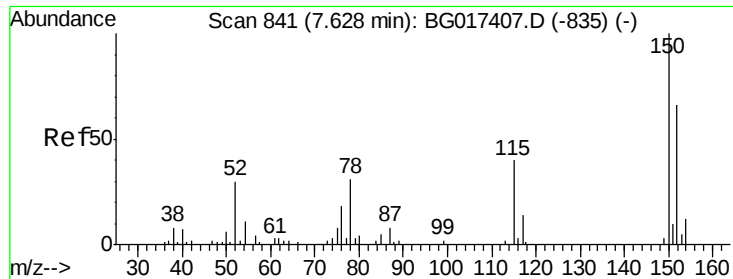
Instrument :
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ClientSampleId :
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Quant Time: Jun 09 03:17:37 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration





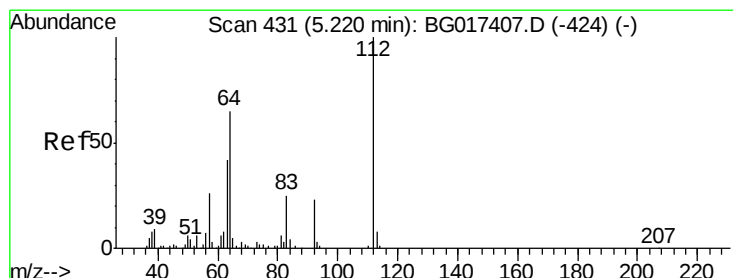
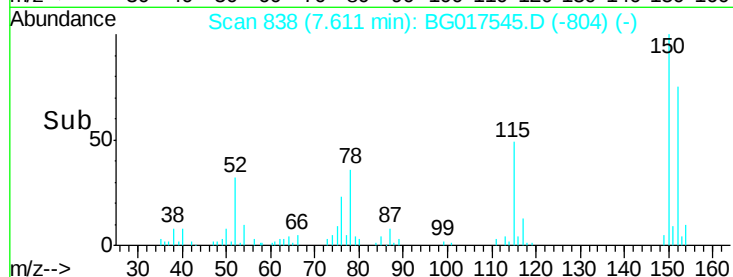
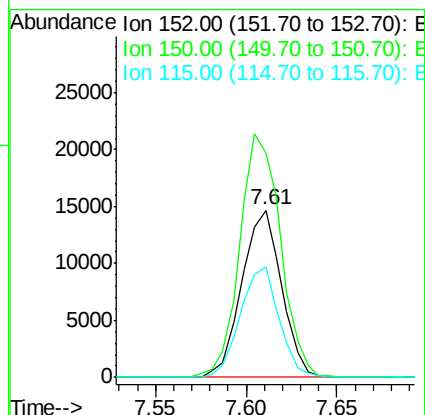
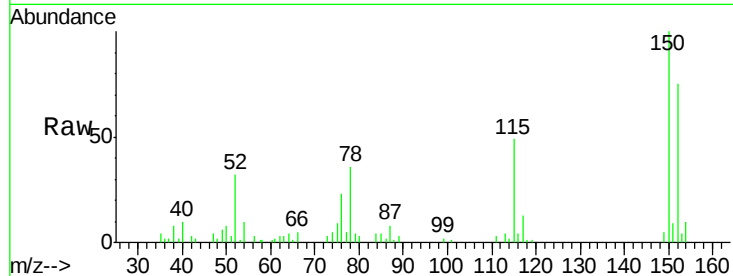
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.61 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	134.2	121.7	182.5
115	65.8	48.6	73.0

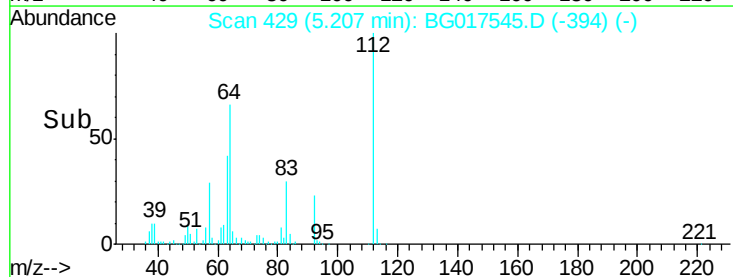
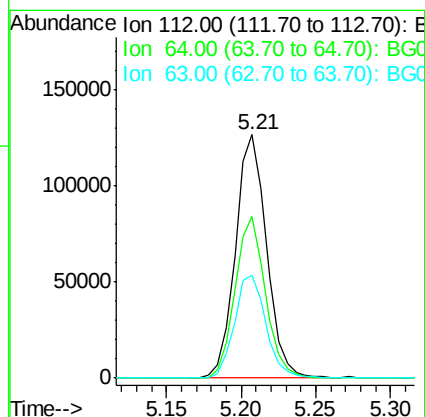
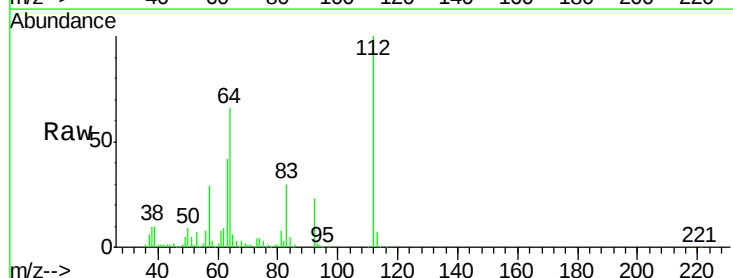
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#5
 2-Fluorophenol
 Concen: 145.33 ng
 RT: 5.21 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	51.6	77.4
63	42.2	33.3	49.9





#7

Phenol-d6

Concen: 137.37 ng

RT: 6.82 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG017545.D

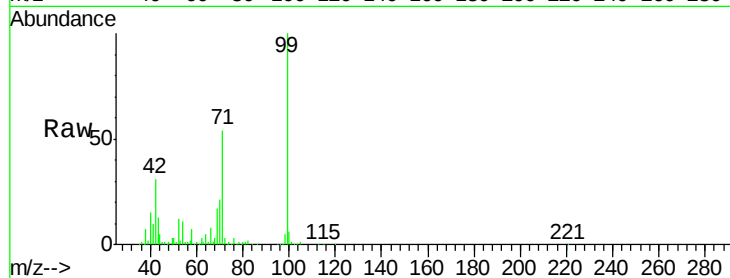
Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS



Tgt Ion: 99 Resp: 237312

Ion Ratio Lower Upper

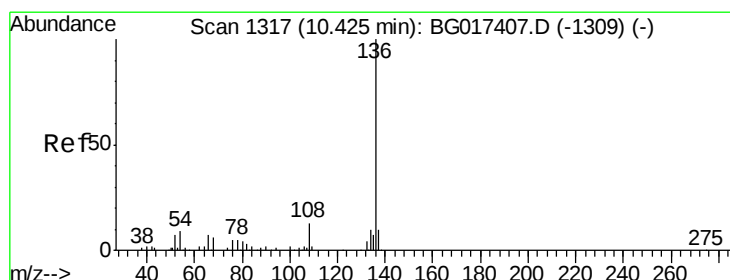
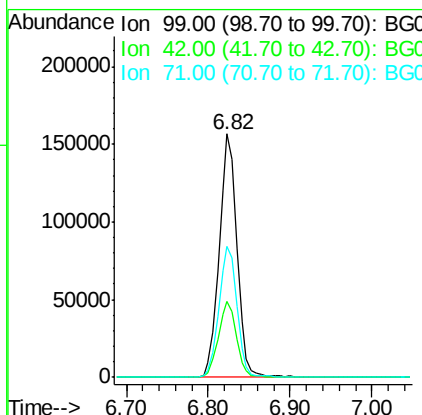
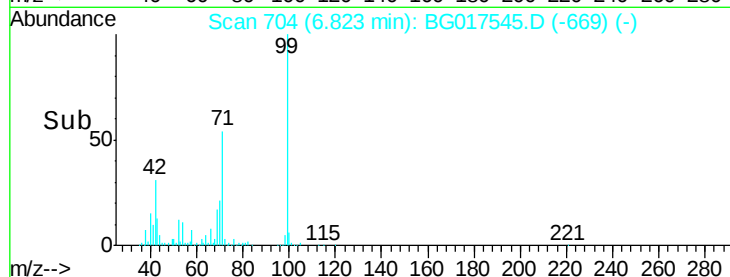
99 100

42 31.2 21.0 31.6

71 54.0 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: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt Ion: 136 Resp: 88733

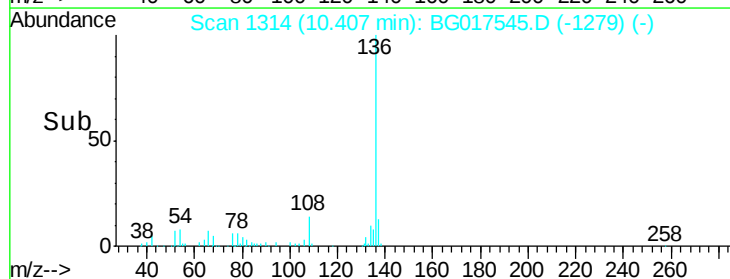
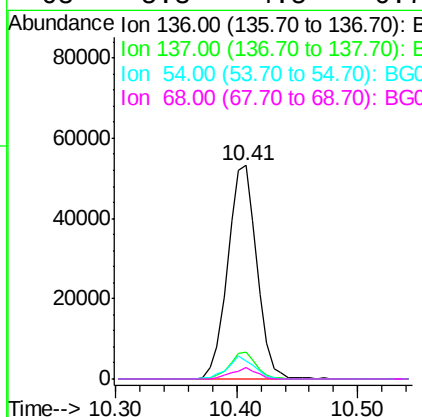
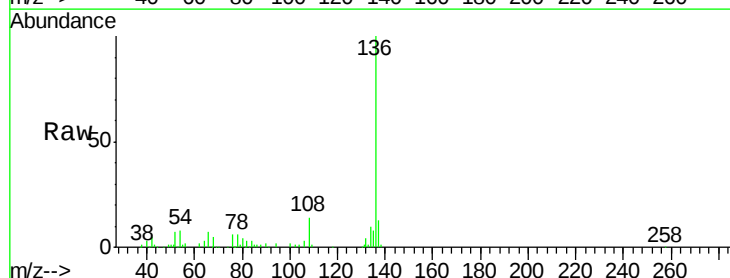
Ion Ratio Lower Upper

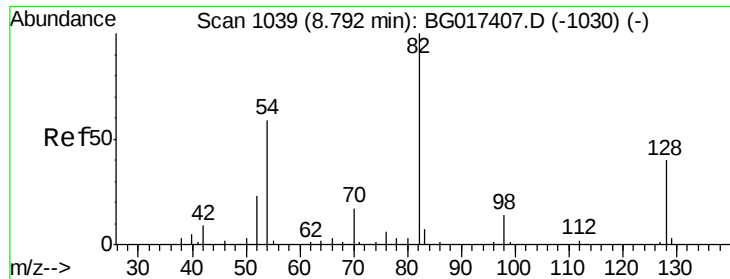
136 100

137 12.8 7.9 11.9#

54 8.4 7.2 10.8

68 5.3 4.5 6.7





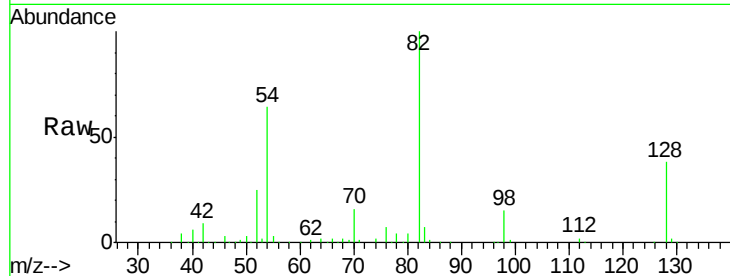
#23
 Nitrobenzene-d5
 Concen: 95.72 ng
 RT: 8.77 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
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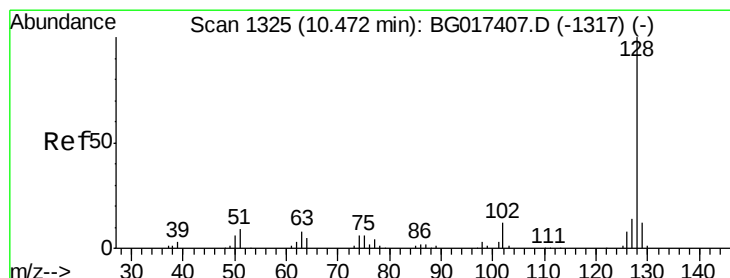
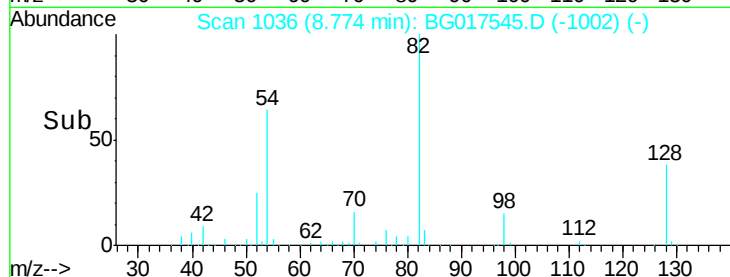
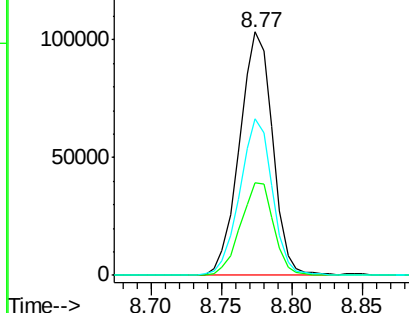
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.1	32.2	48.4
54	64.2	47.4	71.2

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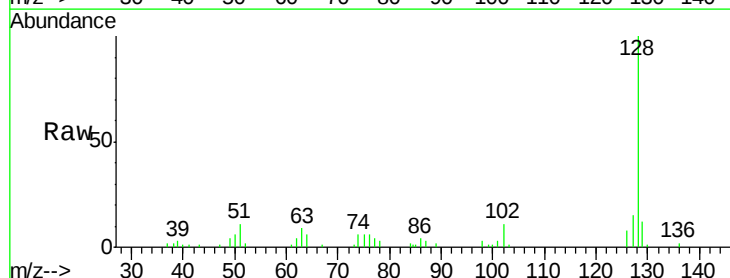


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

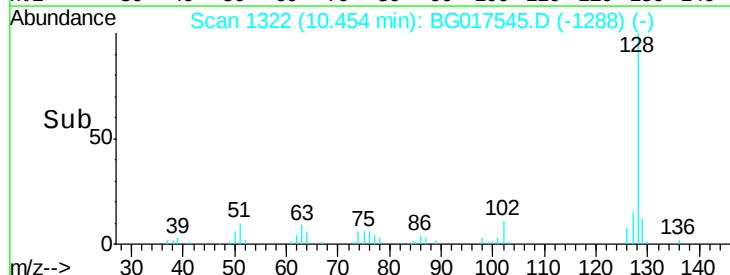
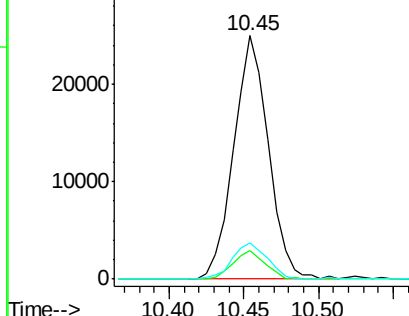


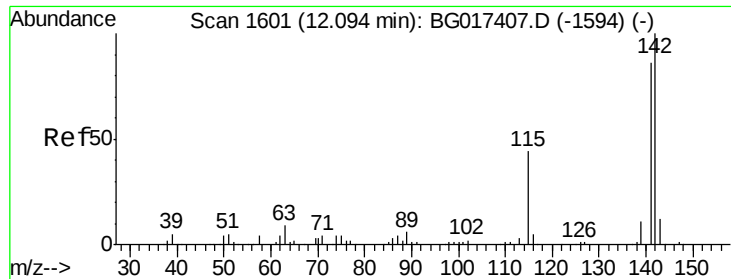
#31
 Naphthalene
 Concen: 8.68 ng
 RT: 10.45 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	9.2	13.8
127	14.7	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





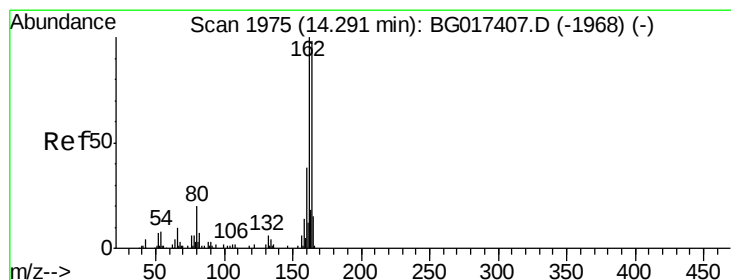
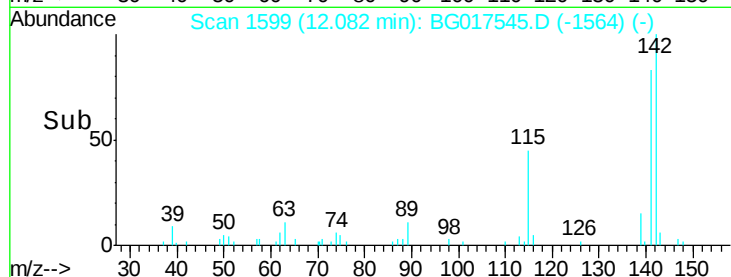
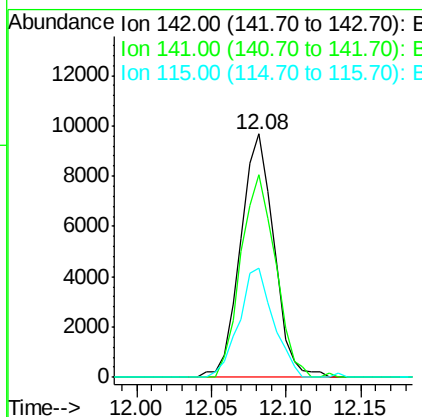
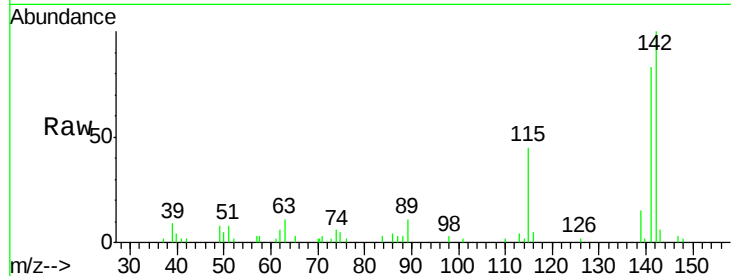
#37
 2-Methylnaphthalene
 Concen: 4.22 ng
 RT: 12.08 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	68.6	102.8
115	44.6	35.3	52.9

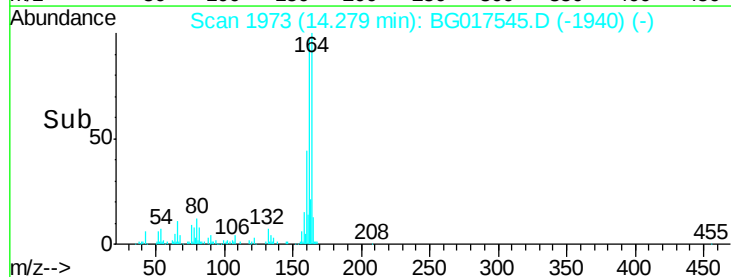
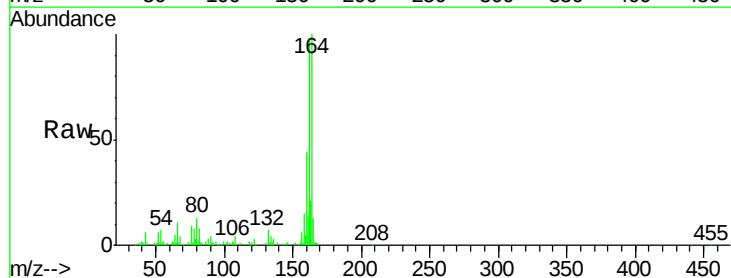
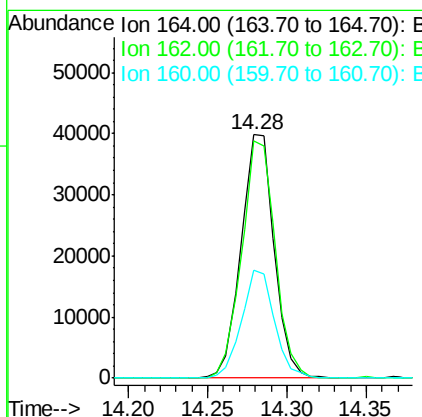
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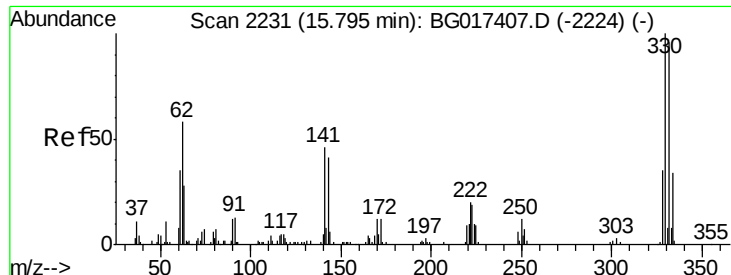
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	81.8	122.6
160	44.2	31.0	46.4





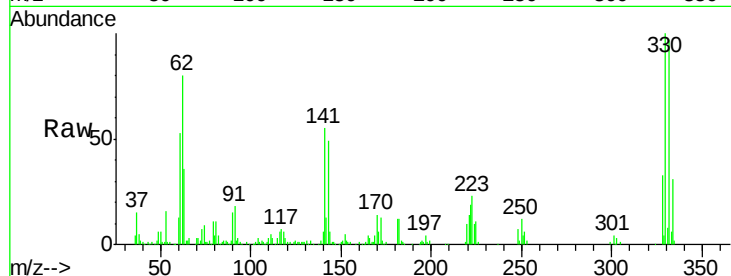
#41
 2,4,6-Tribromophenol
 Concen: 135.23 ng
 RT: 15.78 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampled :
 SB-14DS

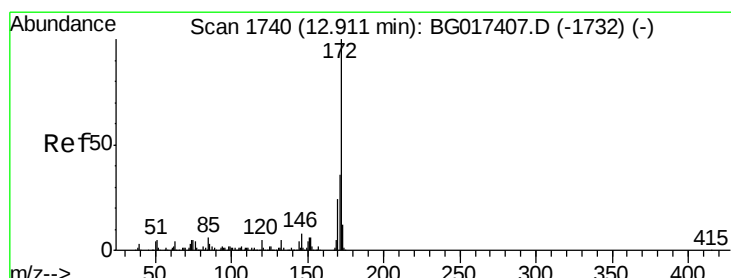
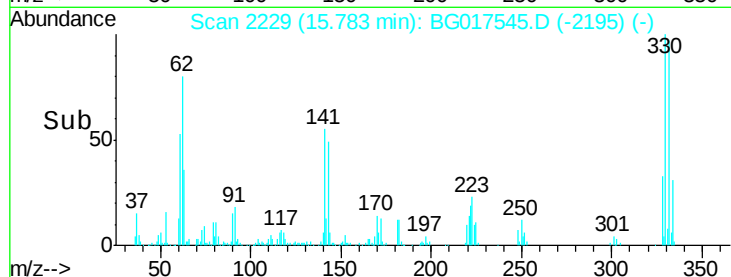
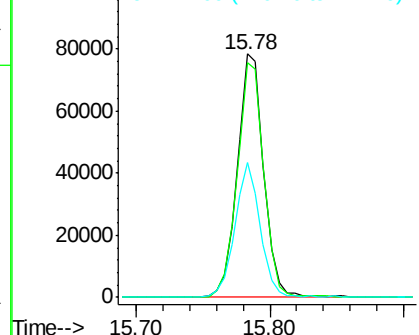
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	107793		
332	97.3	75.9	113.9	
141	53.1	40.2	60.4	

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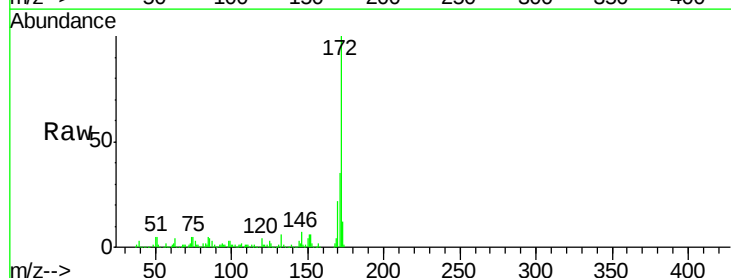


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

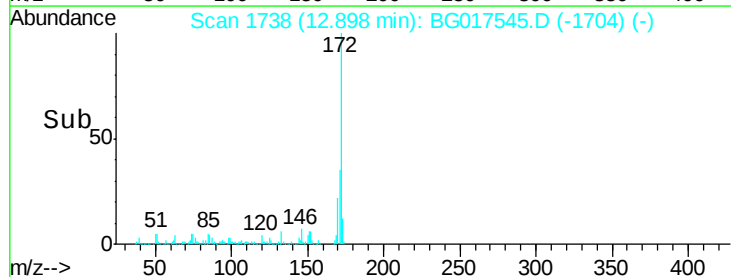
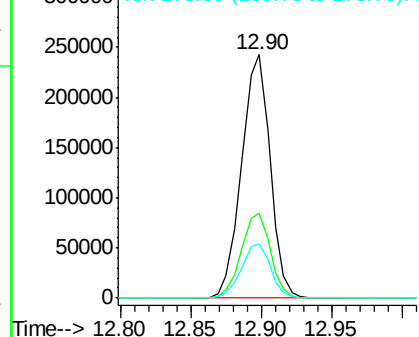


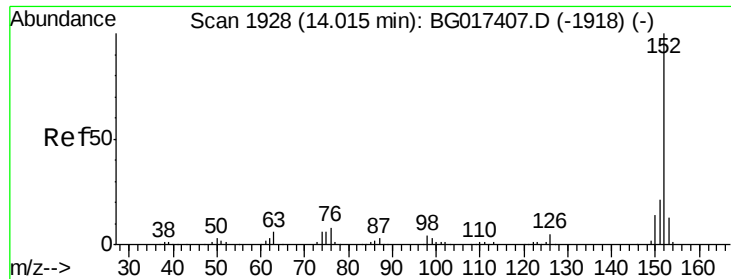
#44
 2-Fluorobiphenyl
 Concen: 90.21 ng
 RT: 12.90 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	343217		
171	35.0	29.0	43.6	
170	22.2	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





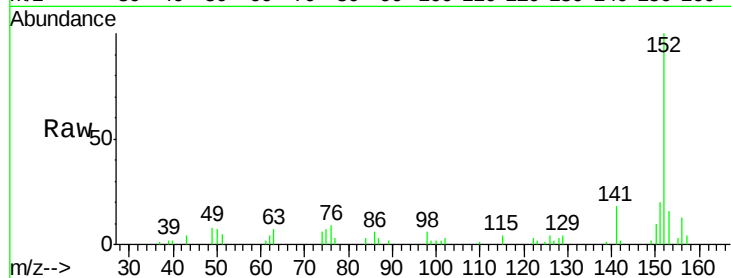
#48
Acenaphthylene
Concen: 2.96 ng
RT: 14.00 min Scan# 1926
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Instrument :
BNA_G
ClientSampleId :
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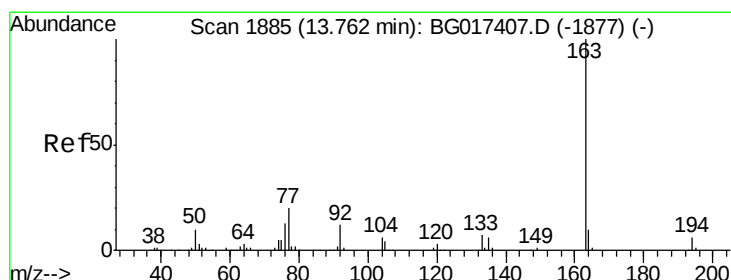
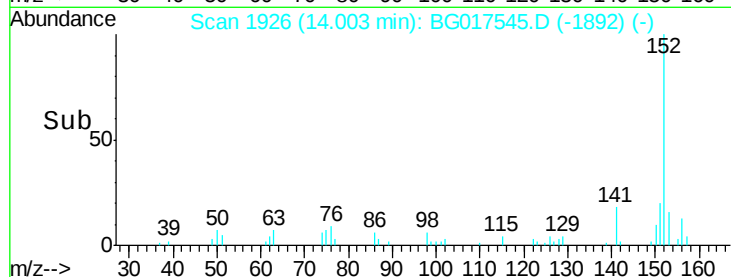
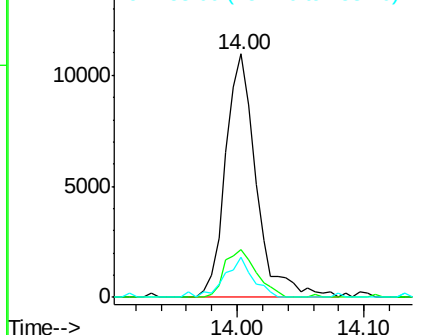
Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.8	16.5	24.7
153	16.3	10.7	16.1

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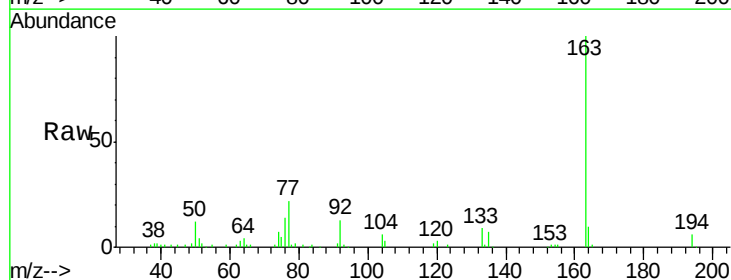


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

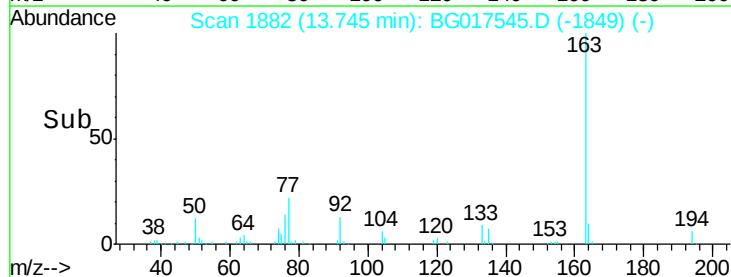
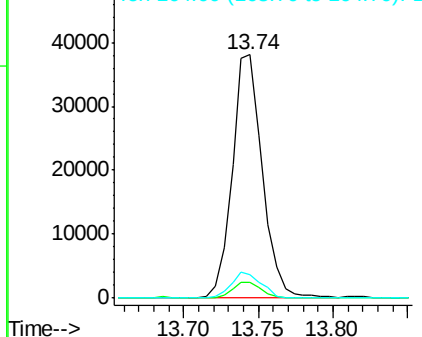


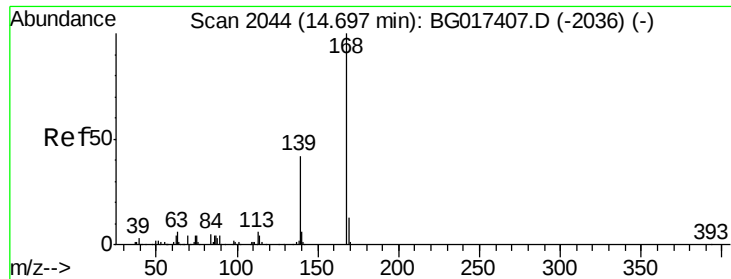
#49
Dimethylphthalate
Concen: 10.71 ng
RT: 13.74 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.3	4.9	7.3
164	9.6	8.2	12.2



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





#54

Dibenzenofuran

Concen: 4.63 ng

RT: 14.68 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

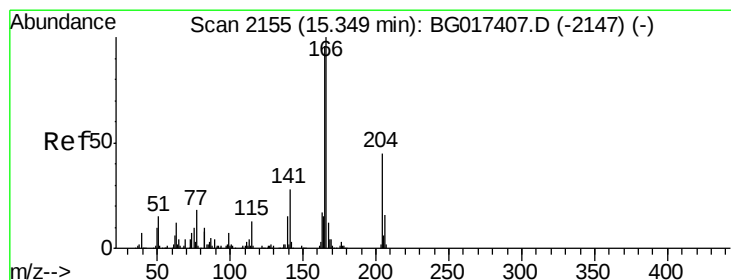
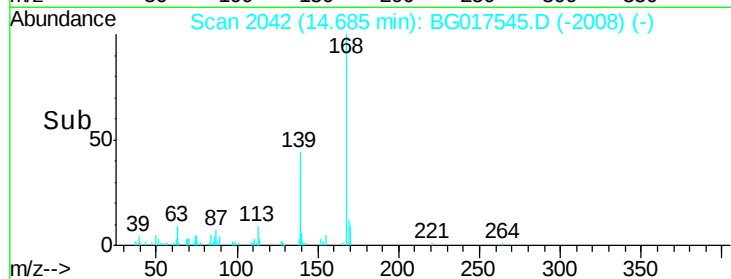
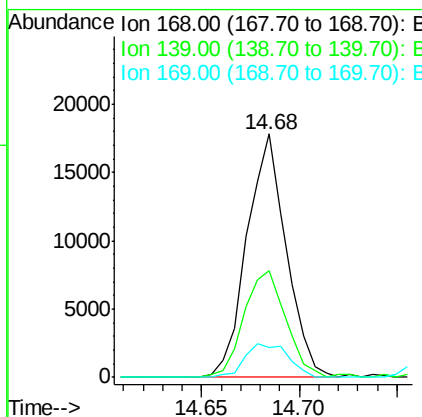
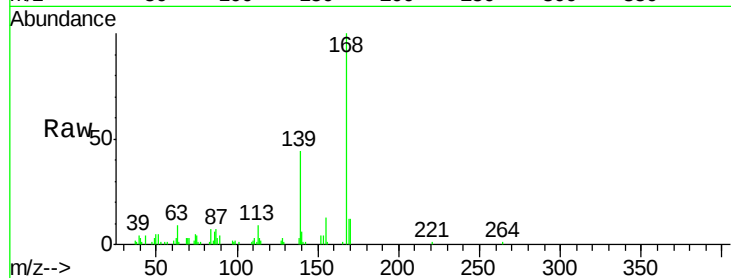
ClientSampleId :

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Tgt	Ion:168	Resp:	24860
Ion	Ratio	Lower	Upper
168	100		
139	44.0	33.2	49.8
169	12.4	10.6	16.0

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#57

Fluorene

Concen: 7.98 ng

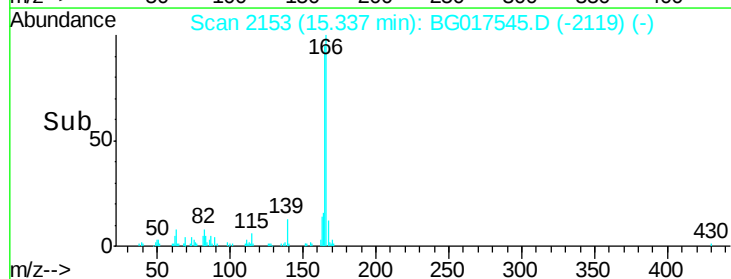
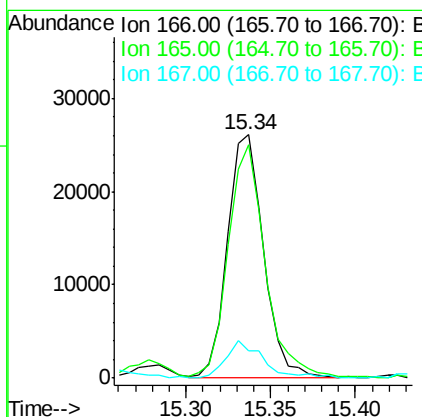
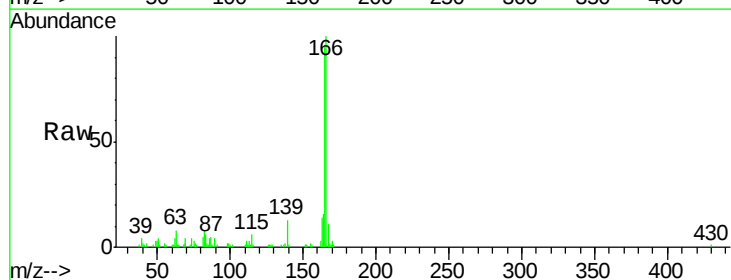
RT: 15.34 min Scan# 2153

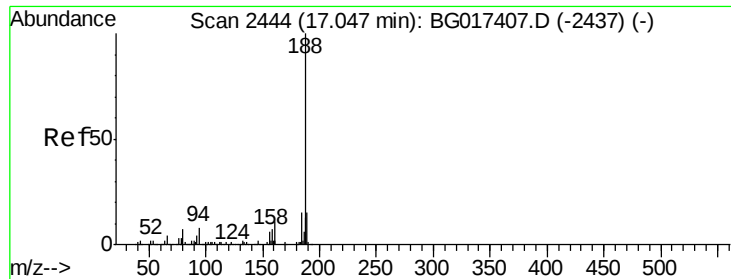
Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt	Ion:166	Resp:	38871
Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.8	115.2
167	11.4	9.9	14.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.03 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

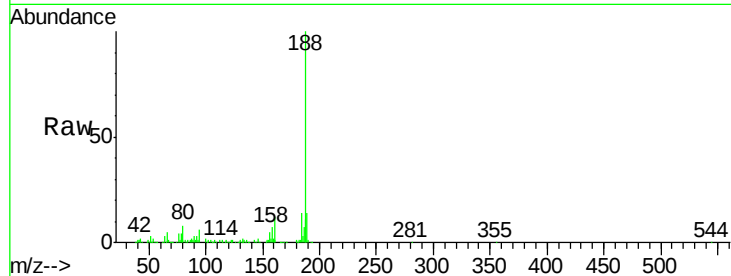
ClientSampleId :

SB-14DS

Tgt	Ion	Ratio	Resp	Lower	Upper
188	100		122701		
94	6.2	6.3	9.5#		
80	8.1	5.2	7.8#		

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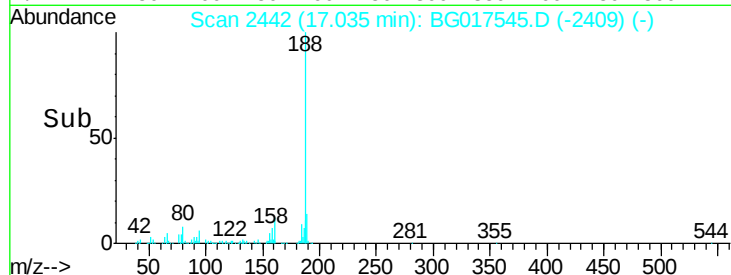


Abundance Ion 188.00 (187.70 to 188.70): E

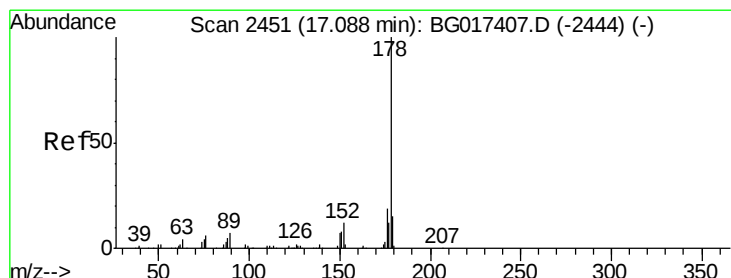
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 16.95 17.00 17.05 17.10



Time--> 16.95 17.00 17.05 17.10



#70

Phenanthrene

Concen: 38.82 ng

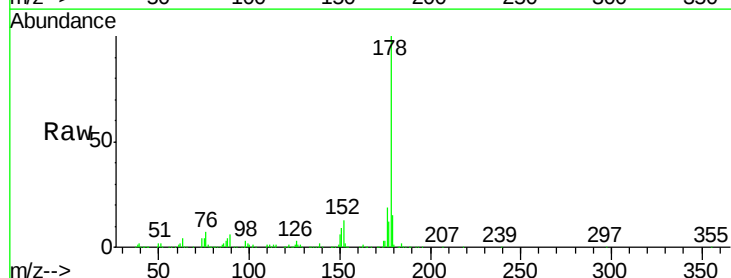
RT: 17.08 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt	Ion	Ratio	Resp	Lower	Upper
178	100		265569		
176	18.8	15.6	23.4		
179	15.4	12.2	18.2		

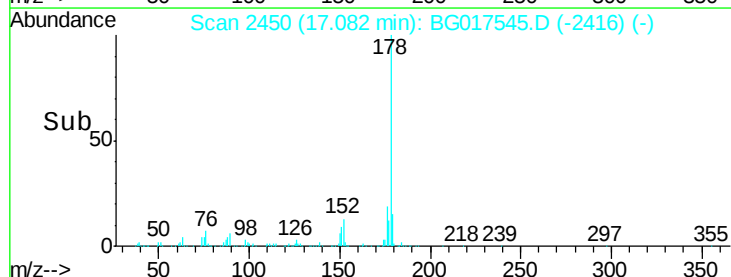


Abundance Ion 178.00 (177.70 to 178.70): E

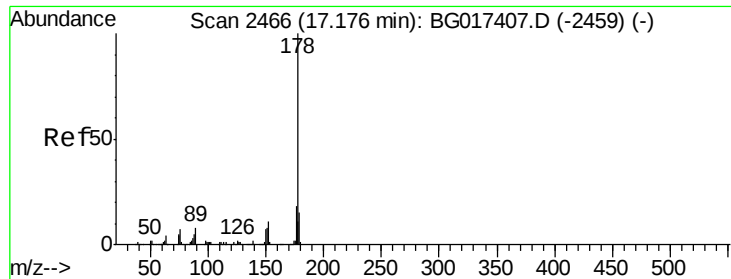
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time--> 17.00 17.05 17.10 17.15



Time--> 17.00 17.05 17.10 17.15



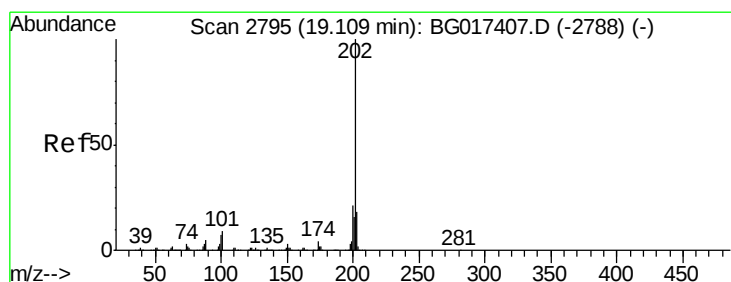
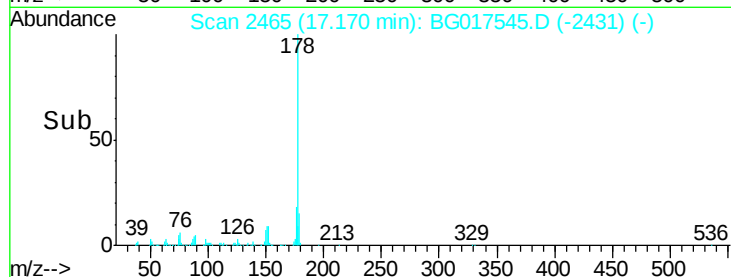
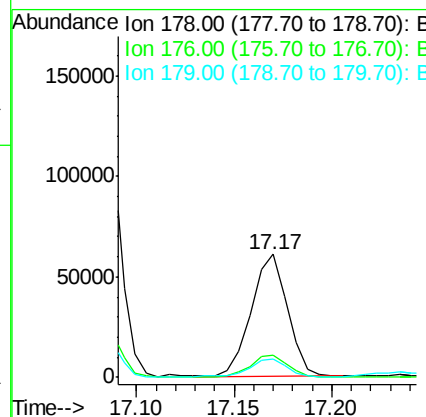
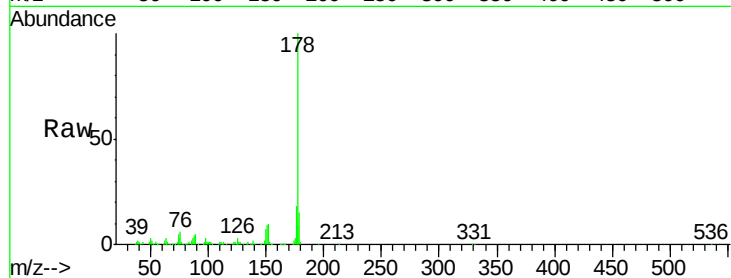
#71
 Anthracene
 Concen: 11.48 ng
 RT: 17.17 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.2	21.2
179	15.3	12.2	18.4

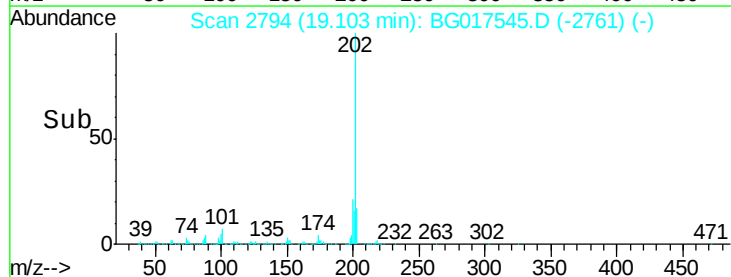
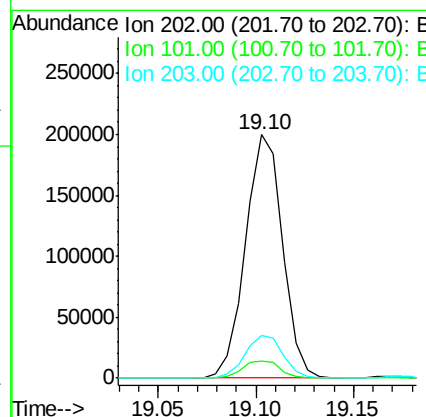
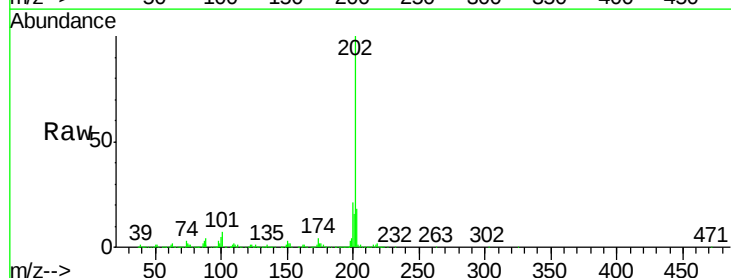
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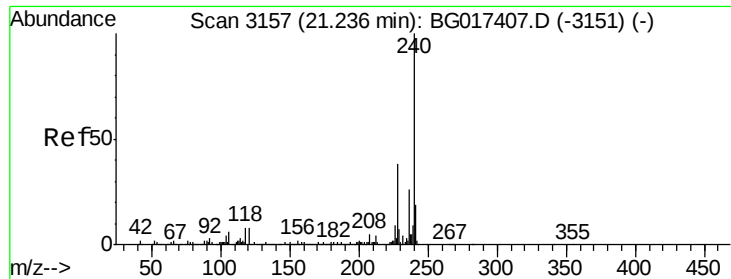
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#74
 Fluoranthene
 Concen: 29.42 ng
 RT: 19.10 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.8
203	17.5	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

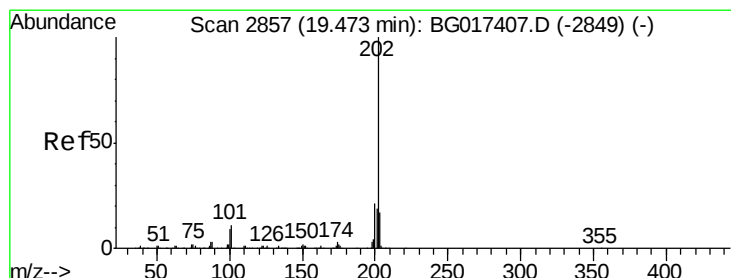
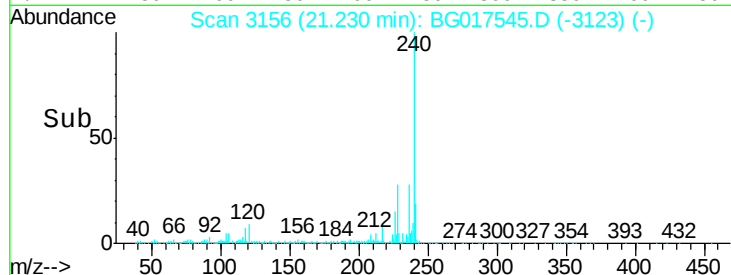
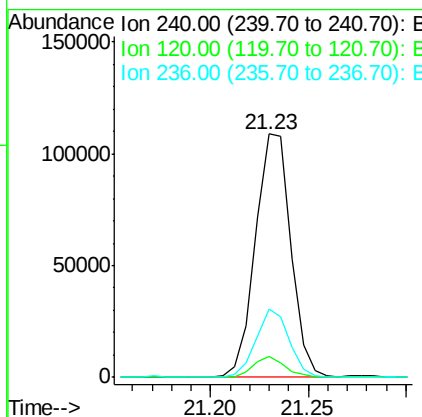
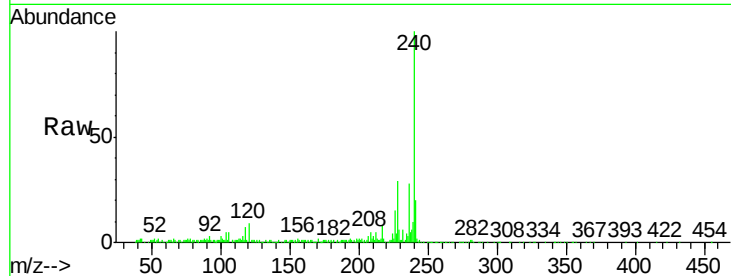
ClientSampleId :

SB-14DS

Tgt	Ion	240	Resp	137110
	Ratio		Lower	Upper
240	100			
120	8.8	6.5	9.7	
236	28.2	20.8	31.2	

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#77

Pyrene

Concen: 26.36 ng

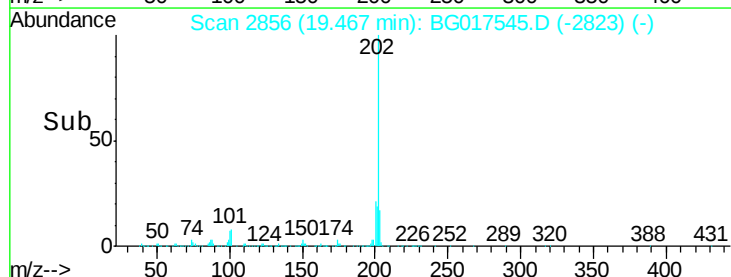
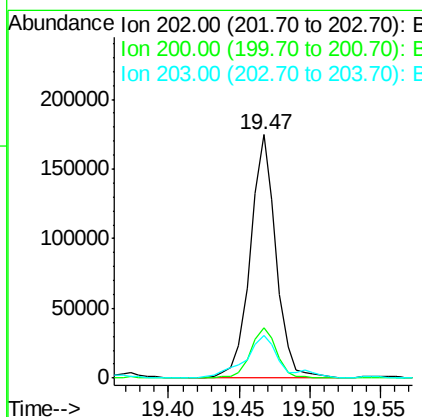
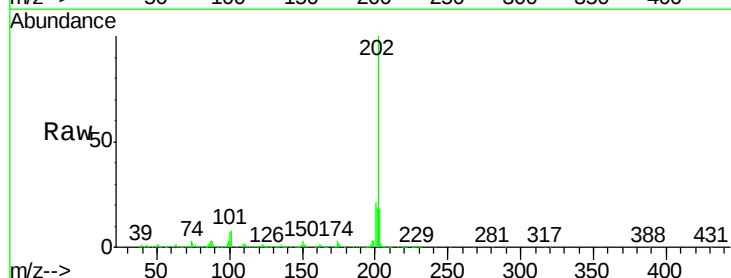
RT: 19.47 min Scan# 2856

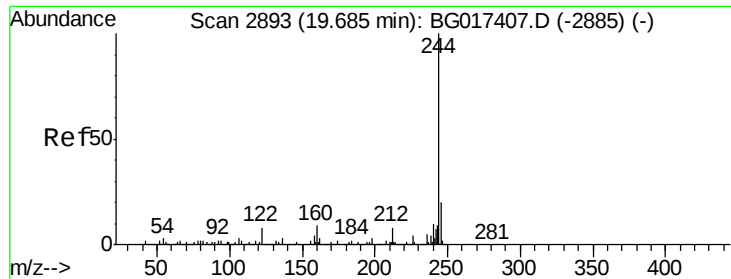
Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt	Ion	202	Resp	222680
	Ratio		Lower	Upper
202	100			
200	20.6	17.0	25.4	
203	17.6	13.9	20.9	





#78

Terphenyl-d14

Concen: 80.03 ng

RT: 19.68 min Scan# 2892

Delta R.T. -0.00 min

Lab File: BG017545.D

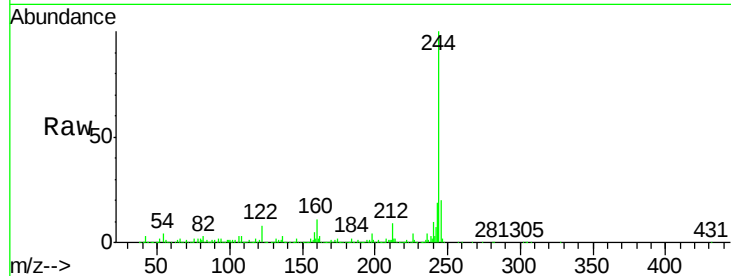
Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

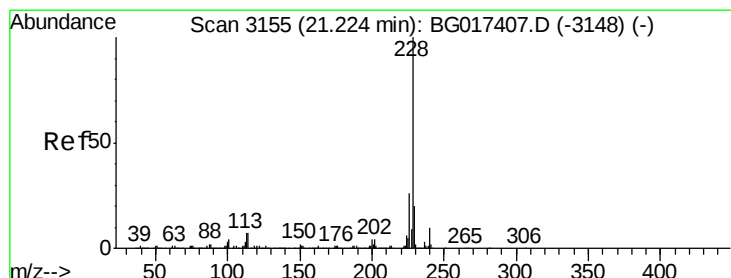
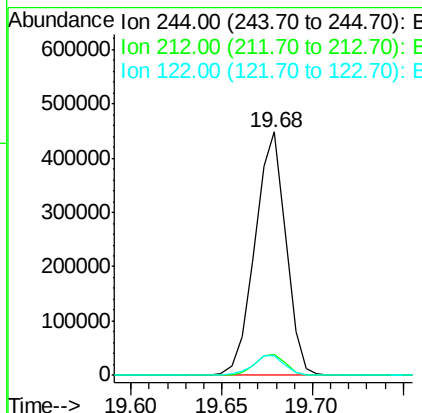
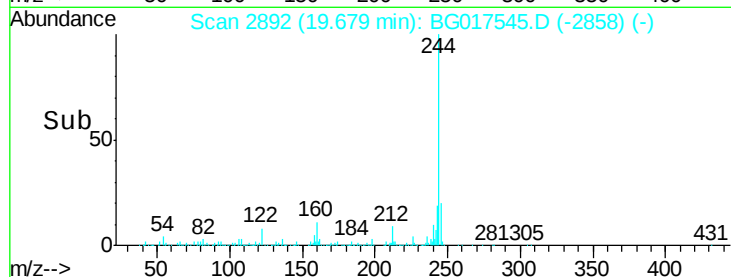
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Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.7	6.4	9.6	
122	7.8	6.6	10.0	

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#80

Benzo(a)anthracene

Concen: 16.40 ng

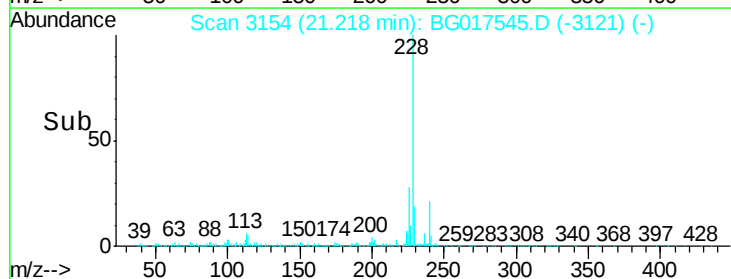
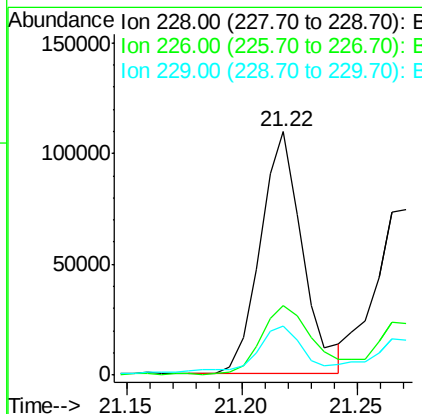
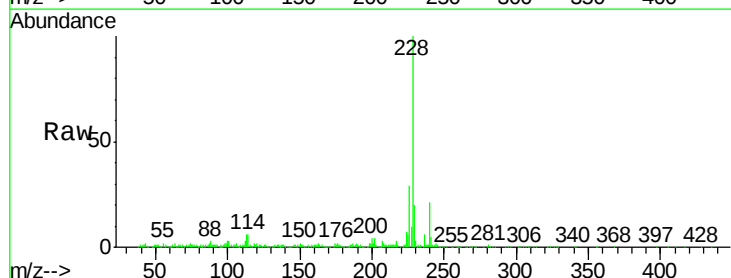
RT: 21.22 min Scan# 3154

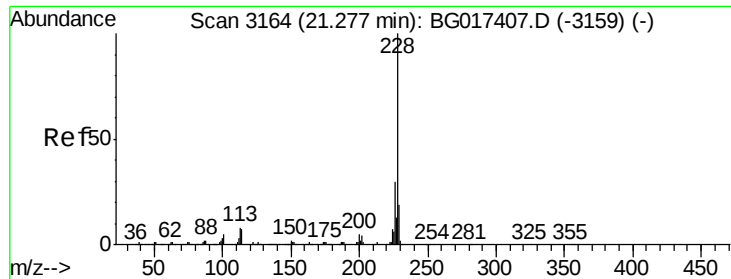
Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.6	21.0	31.6	
229	20.2	15.7	23.5	





#82

Chrysene

Concen: 13.28 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG017545.D

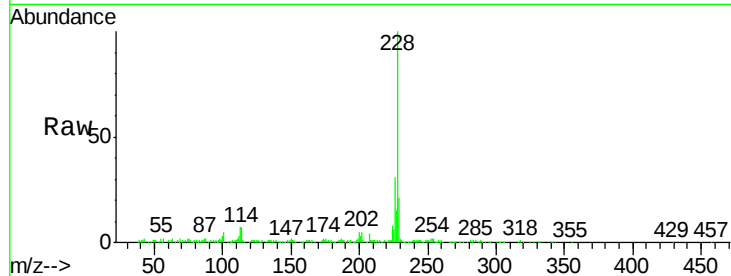
Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

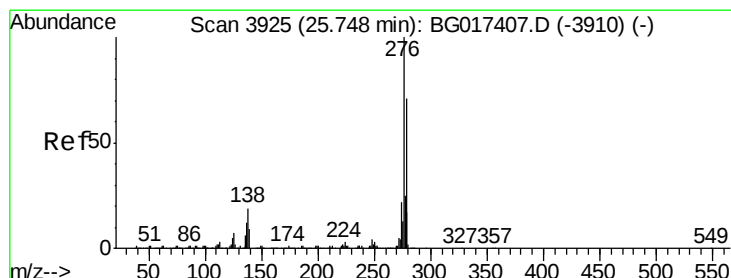
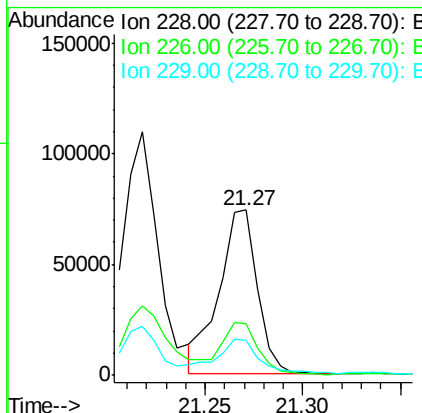
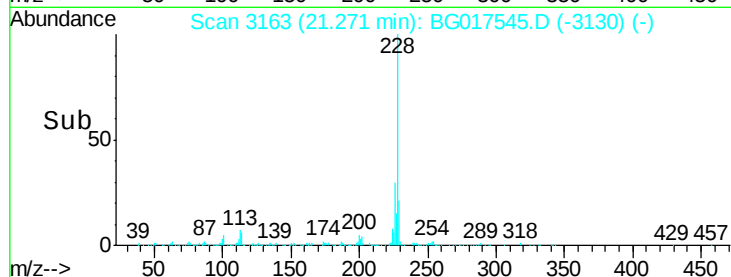
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	21.0	15.2	22.8

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#85

Indeno(1,2,3-cd)pyrene

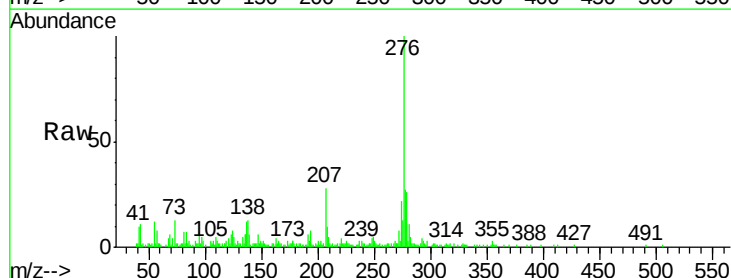
Concen: 5.54 ng

RT: 25.74 min Scan# 3923

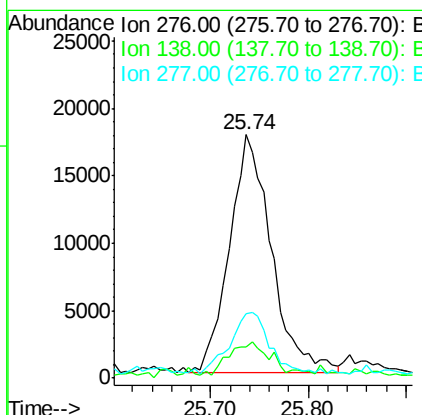
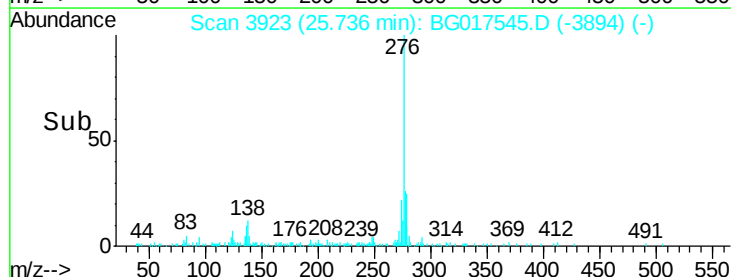
Delta R.T. -0.03 min

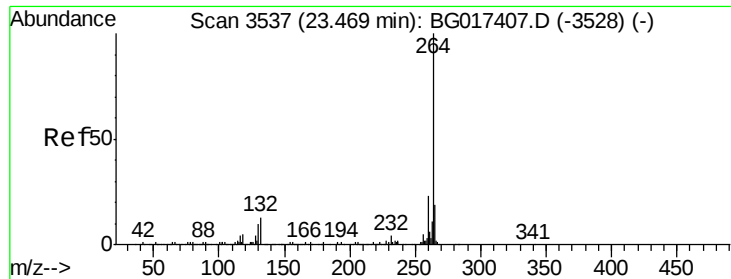
Lab File: BG017545.D

Acq: 8 Jun 2015 16:19



Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	15.4	23.0#
277	23.3	20.5	30.7





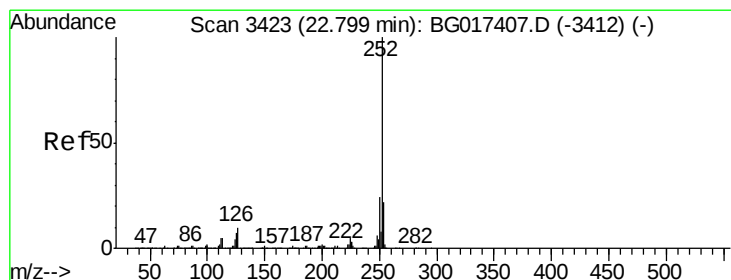
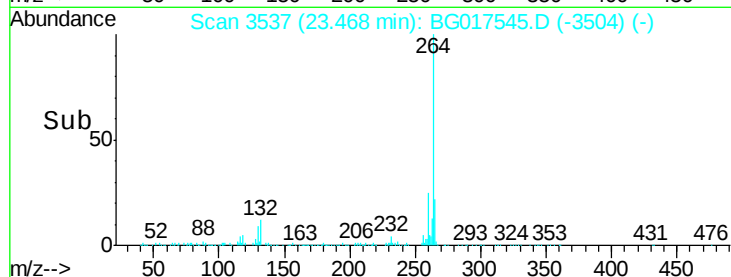
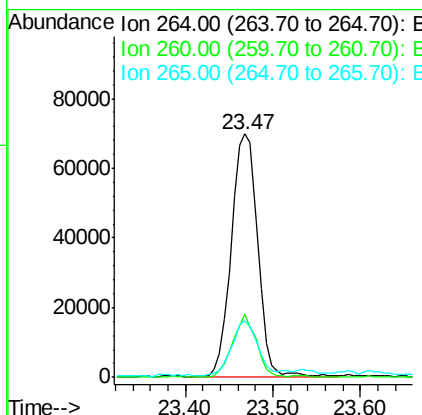
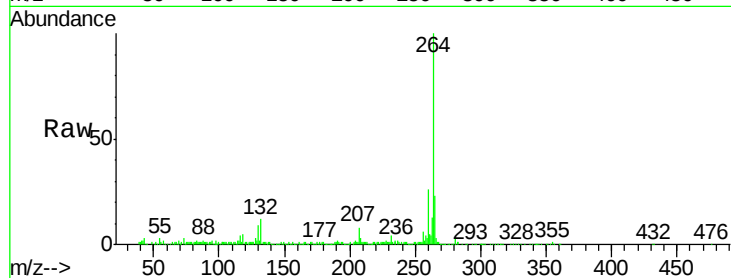
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.47 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Instrument :
BNA_G
ClientSampleId :
SB-14DS

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.7	18.2	27.4
265	23.3	15.8	23.6

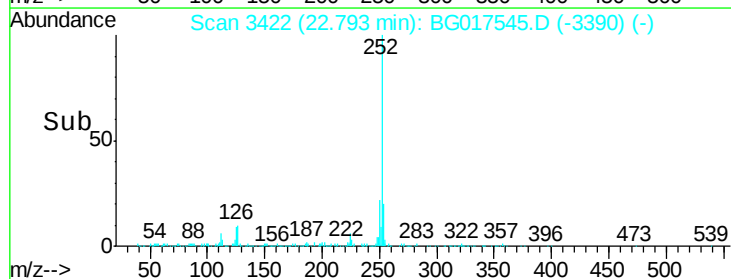
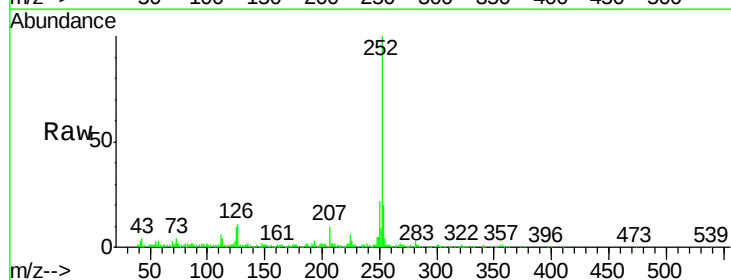
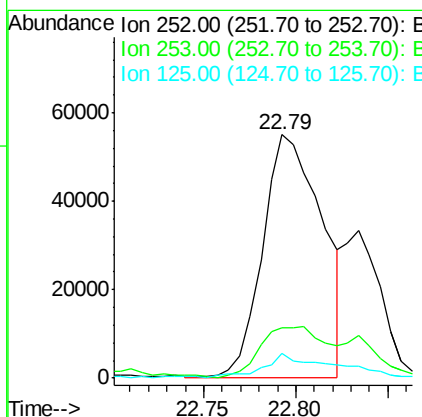
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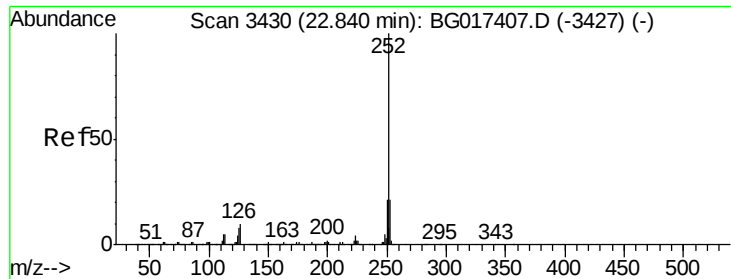
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#87
Benzo(b)fluoranthene
Concen: 13.66 ng m
RT: 22.79 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.4	17.4	26.2
125	10.4	5.8	8.8#





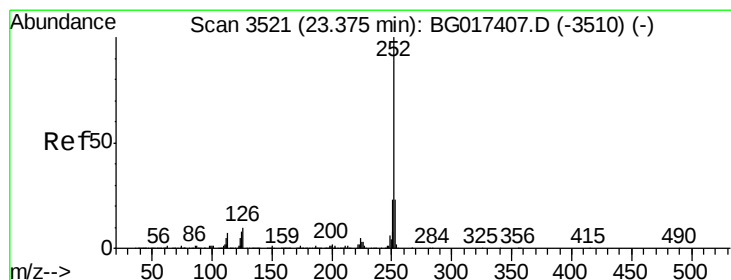
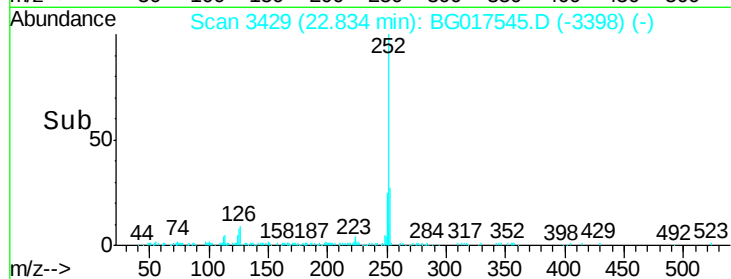
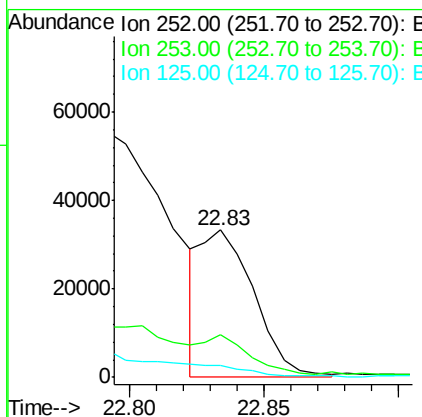
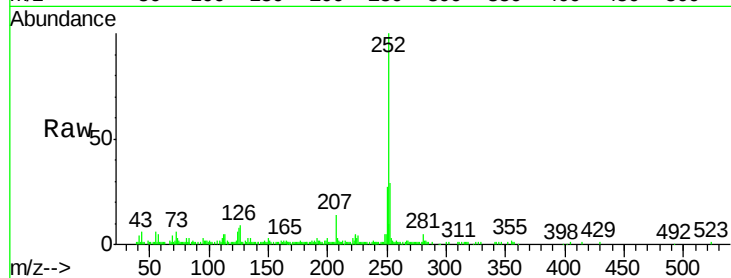
#88
Benzo(k)fluoranthene
Concen: 5.27 ng m
RT: 22.83 min Scan# 3429
Delta R.T. -0.02 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Instrument :
BNA_G
ClientSampleId :
SB-14DS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.7	26.5#
125	8.1	6.5	9.7

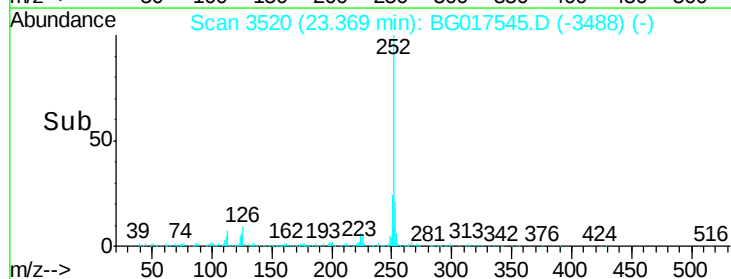
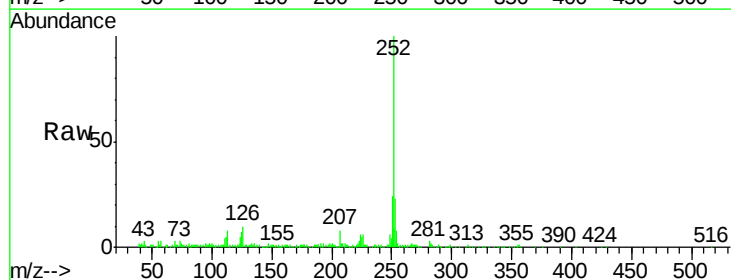
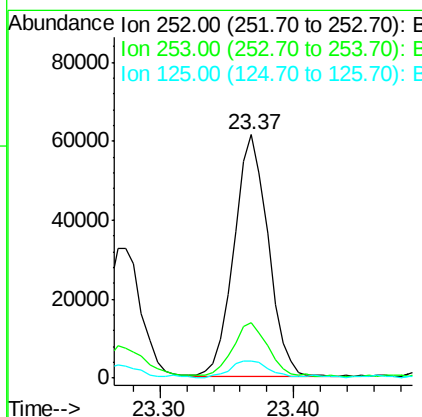
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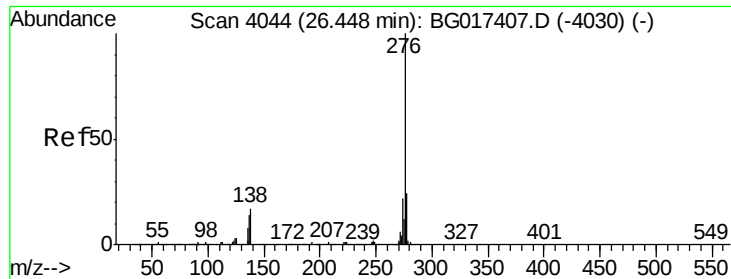
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#89
Benzo(a)pyrene
Concen: 13.11 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	7.1	6.5	9.7





#91
 Benzo(g,h,i)perylene
 Concen: 5.46 ng
 RT: 26.44 min Scan# 4043
 Delta R.T. -0.03 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.3	19.2	28.8
138	13.4	13.5	20.3

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