

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017589.D
 Acq On : 10 Jun 2015 2:06
 Operator : TP/IZ
 Sample : G2464-09DL2 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FD-1-20150603DL2

Manual Integrations
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Quant Time: Jun 10 06:42:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 05:08:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	13190	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	57851	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	40066	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	93946	20.00	ng	-0.01
75) Chrysene-d12	21.20	240	123920	20.00	ng	0.00
86) Perylene-d12	23.41	264	121161	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	727	0.97	ng	0.02
7) Phenol-d6	6.81	99	693	0.68	ng	0.03
23) Nitrobenzene-d5	8.73	82	163	0.14	ng	0.00
41) 2,4,6-Tribromophenol	15.76	330	171	0.31	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	1702	0.64	ng	0.00
78) Terphenyl-d14	19.64	244	3746	0.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.41	128	151828	50.23	ng	97
37) 2-Methylnaphthalene	12.04	142	62662	26.97	ng	96
45) 1,1'-Biphenyl	13.07	154	9969	3.40	ng	97
48) Acenaphthylene	13.96	152	30610	7.10	ng	96
51) Acenaphthene	14.31	154	12250	4.82	ng	88
54) Dibenzofuran	14.64	168	15151	4.04	ng	93
57) Fluorene	15.30	166	30118	8.85	ng	99
70) Phenanthrene	17.04	178	166695	31.82	ng	100
71) Anthracene	17.13	178	44050m	8.42	ng	
74) Fluoranthene	19.07	202	102883	15.02	ng	98
77) Pyrene	19.43	202	123421	16.17	ng	97
80) Benzo(a)anthracene	21.18	228	53631	7.04	ng	93
82) Chrysene	21.23	228	45890	6.65	ng	99
85) Indeno(1,2,3-cd)pyrene	25.66	276	19341	2.23	ng	95
87) Benzo(b)fluoranthene	22.75	252	42379m	5.52	ng	
89) Benzo(a)pyrene	23.31	252	42832	6.08	ng	# 96
91) Benzo(g,h,i)perylene	26.34	276	18749	2.69	ng	# 86

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

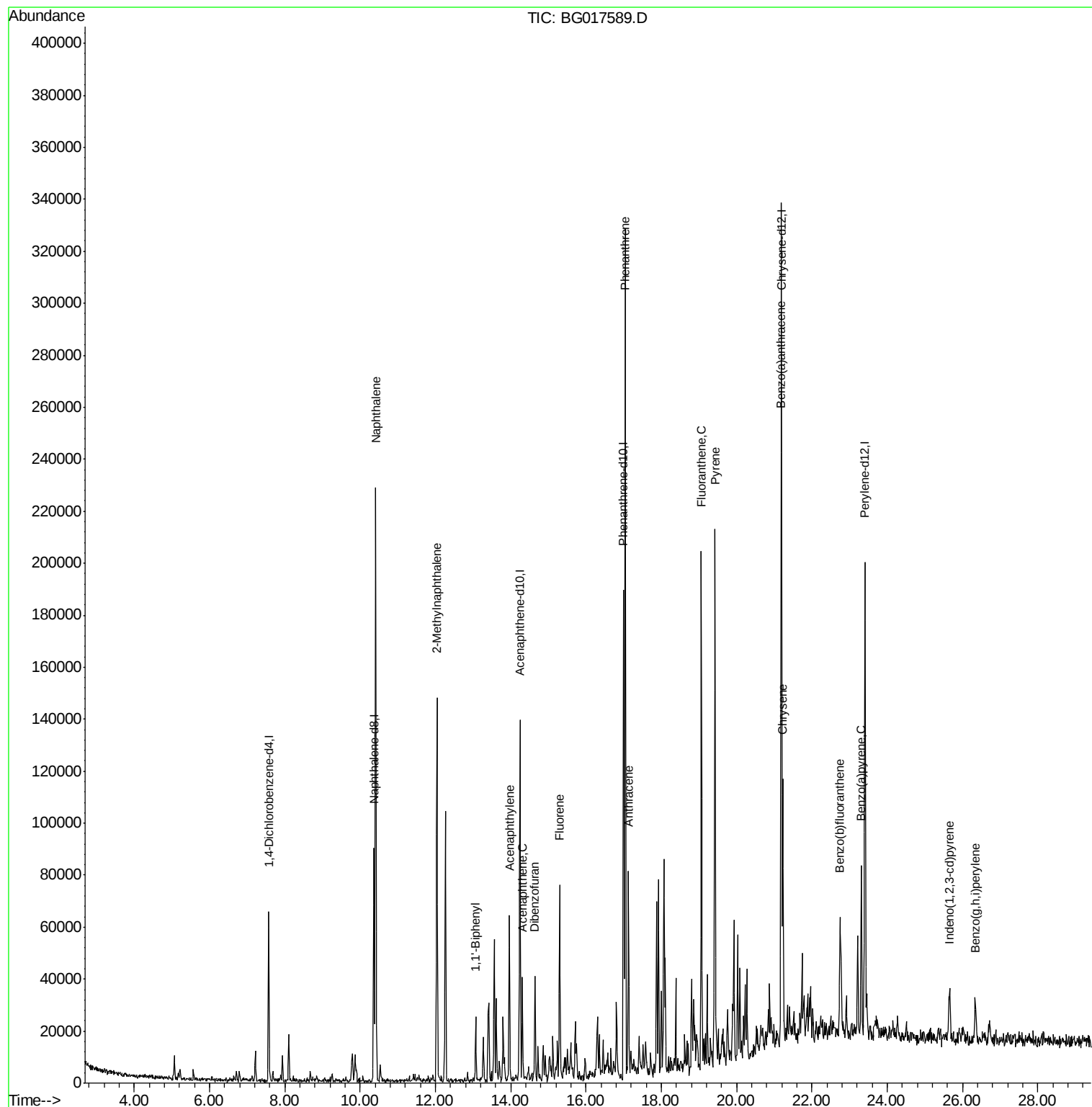
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017589.D
Acq On : 10 Jun 2015 2:06
Operator : TP/IZ
Sample : G2464-09DL2 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

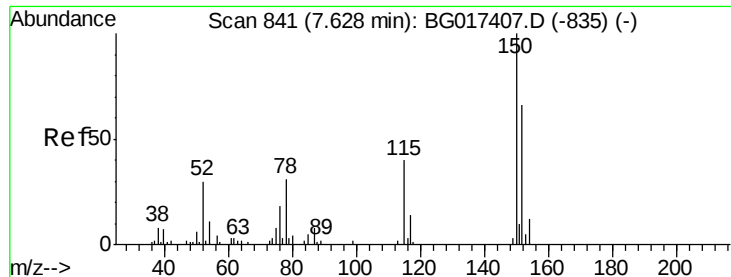
Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

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Quant Time: Jun 10 06:42:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 05:08:16 2015
Response via : Initial Calibration

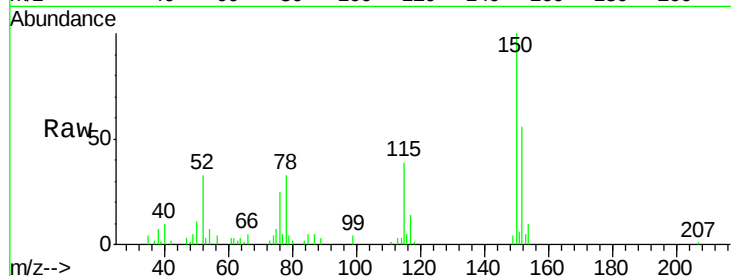




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

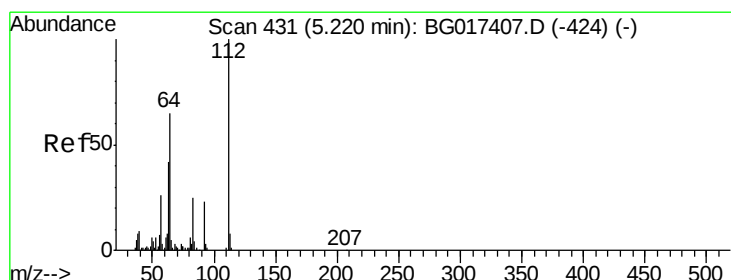
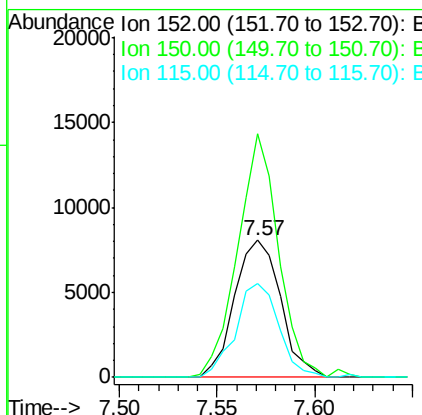
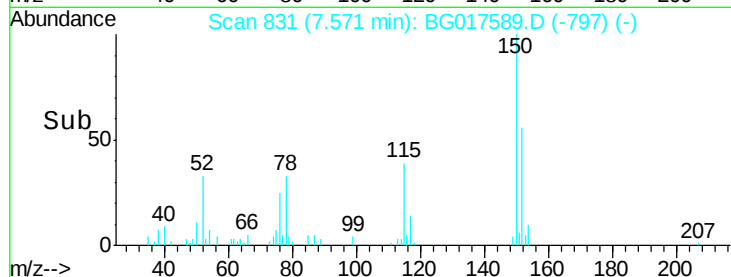
Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2



Tgt Ion	Ratio	Lower	Upper
152	100		
150	177.8	121.7	182.5
115	68.8	48.6	73.0

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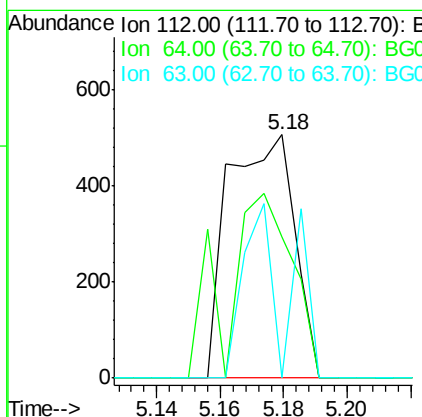
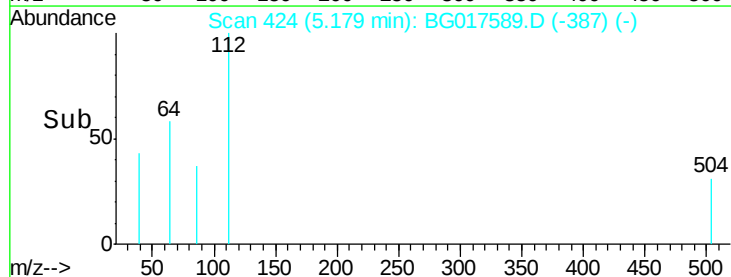
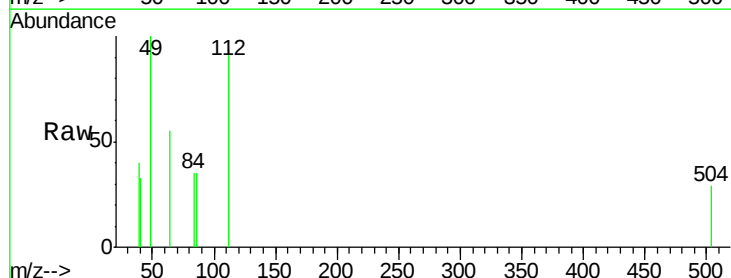
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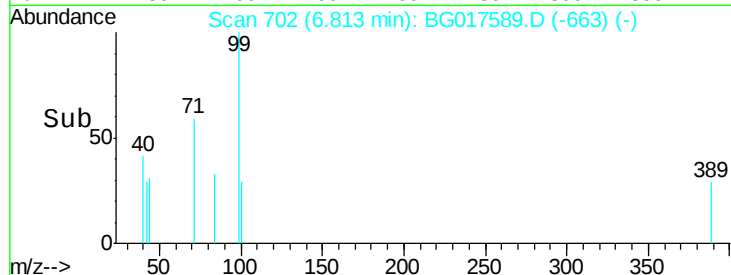
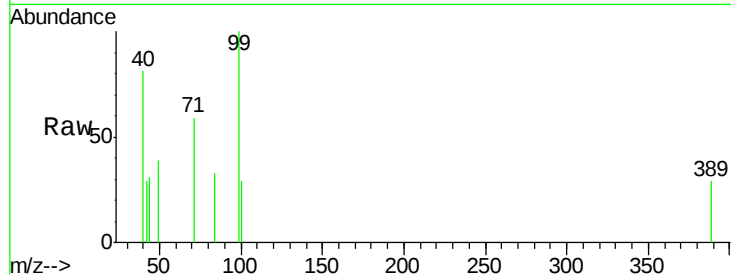
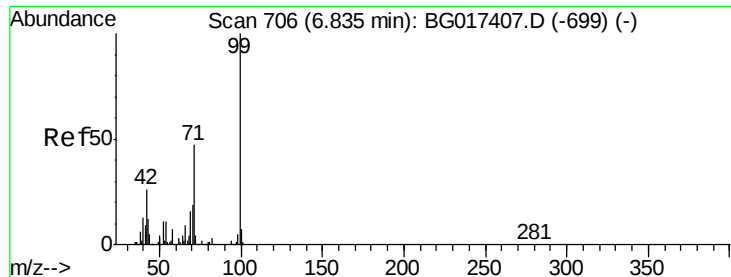


#5

2-Fluorophenol
Concen: 0.97 ng
RT: 5.18 min Scan# 424
Delta R.T. 0.02 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.6	77.4
63	0.0	33.3	49.9#





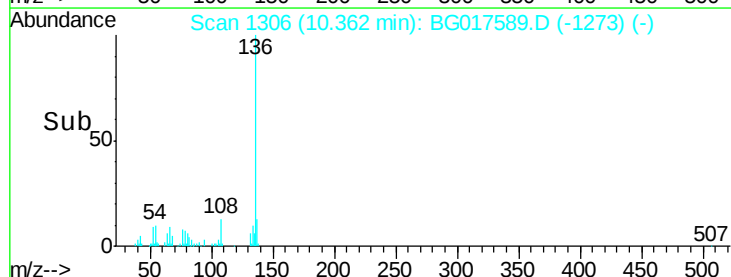
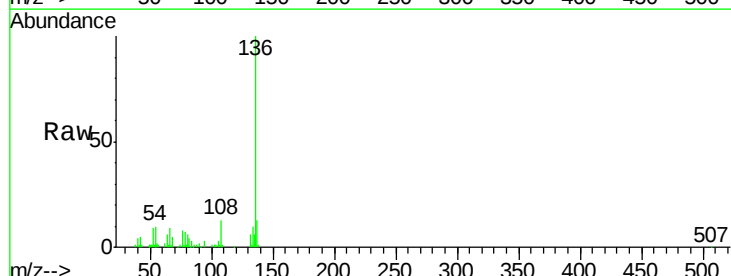
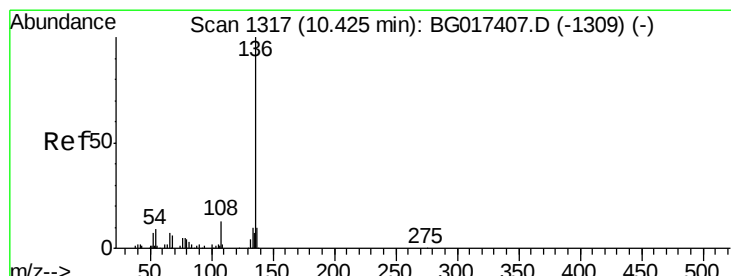
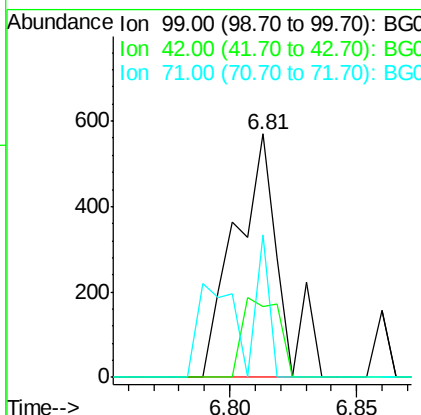
#7
Phenol-d6
Concen: 0.68 ng
RT: 6.81 min Scan# 702
Delta R.T. 0.03 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
99	100		
42	28.9	21.0	31.6
71	58.8	37.2	55.8

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

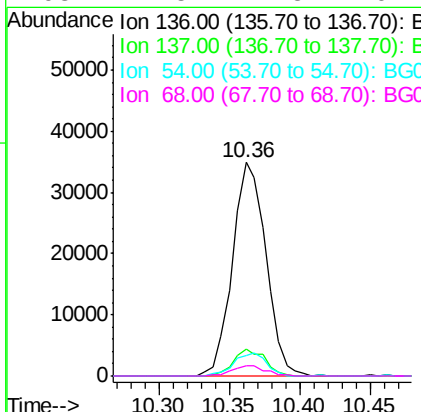
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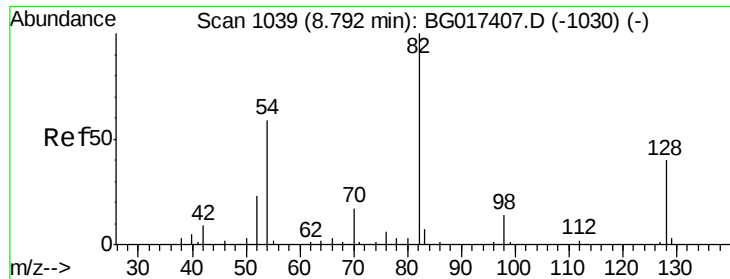
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.36 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.5	7.9	11.9
54	10.1	7.2	10.8
68	4.5	4.5	6.7





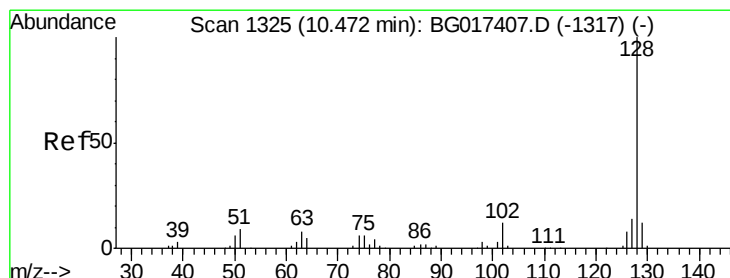
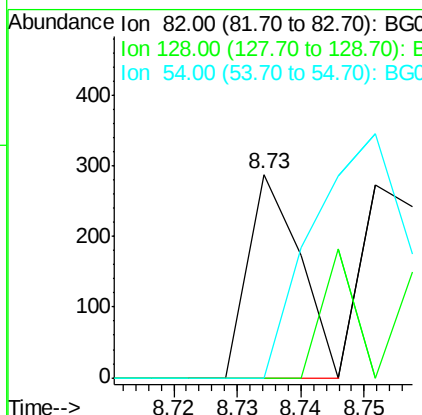
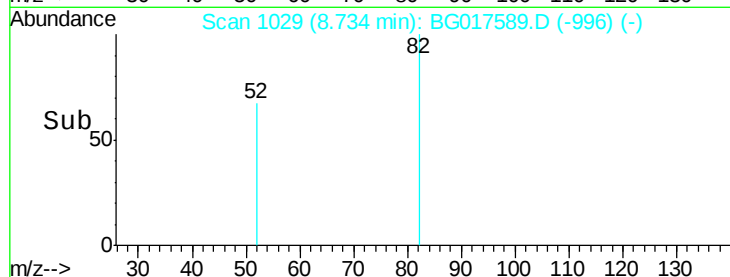
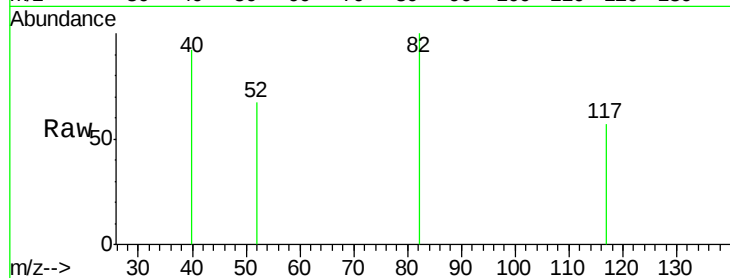
#23
 Nitrobenzene-d5
 Concen: 0.14 ng
 RT: 8.73 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Instrument :
 BNA_G
 ClientSampleID :
 FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	0.0	32.2	48.4#
54	0.0	47.4	71.2#

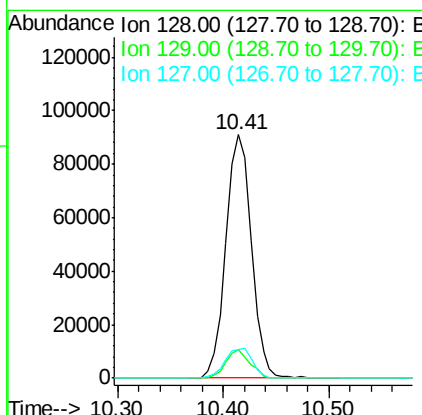
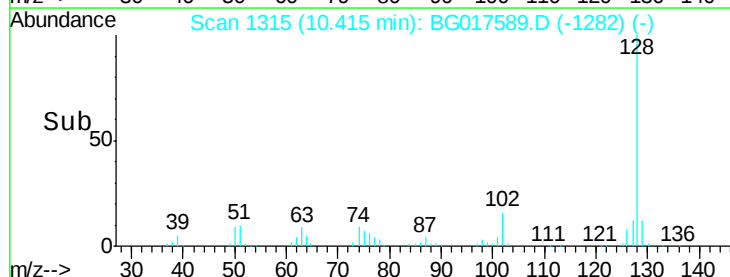
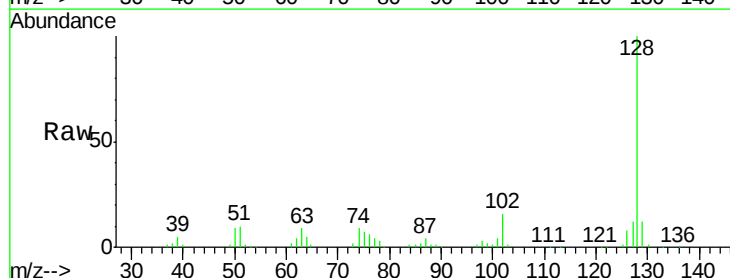
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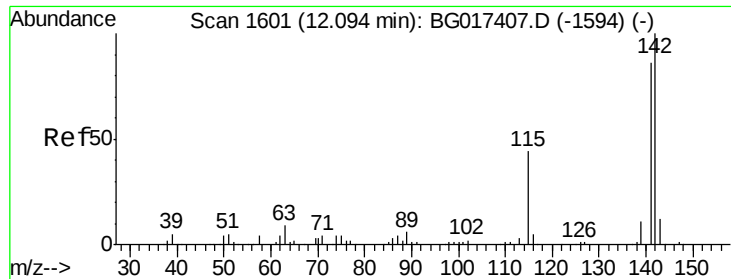
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#31
 Naphthalene
 Concen: 50.23 ng
 RT: 10.41 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	11.9	10.9	16.3





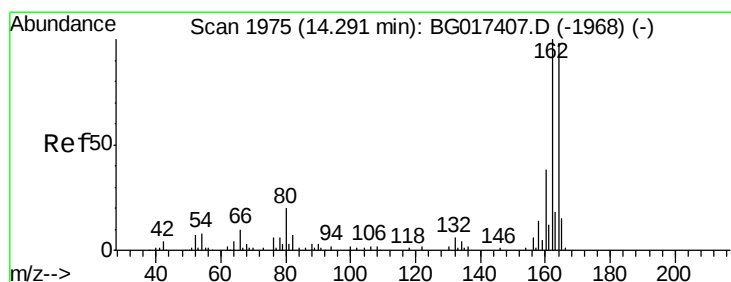
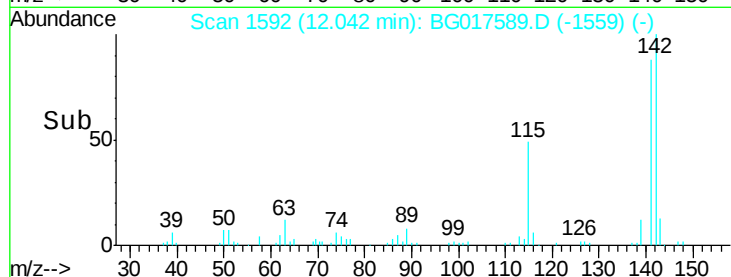
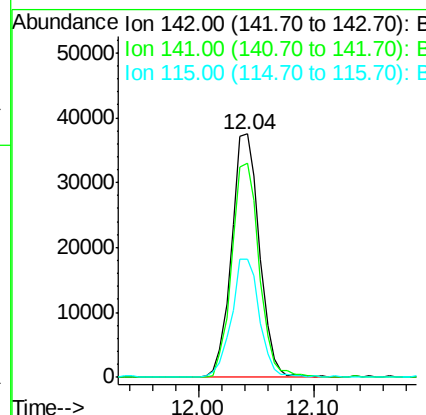
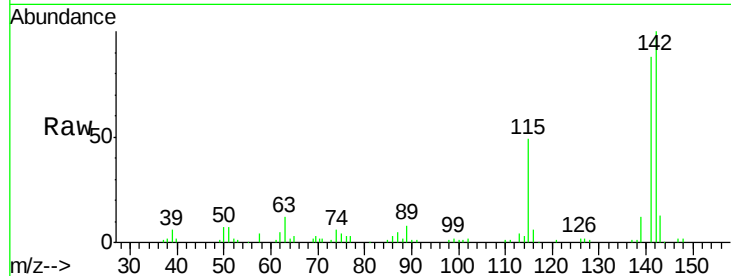
#37
2-Methylnaphthalene
Concen: 26.97 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Instrument :
BNA_G
ClientSampleID :
FD-1-20150603DL2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	62662		
141	87.9	68.6	102.8	
115	48.5	35.3	52.9	

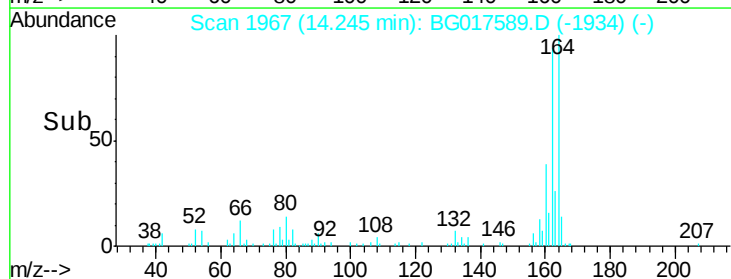
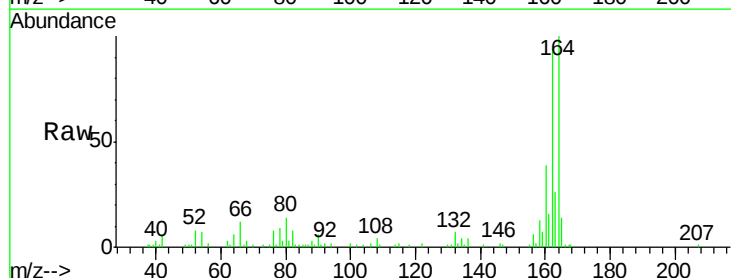
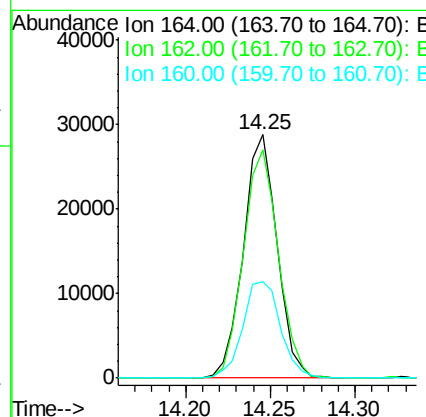
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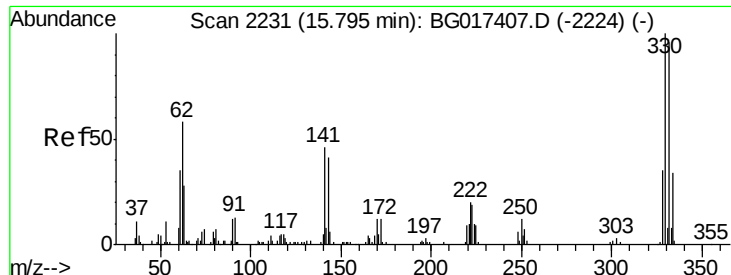
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.25 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40066		
162	93.7	81.8	122.6	
160	39.5	31.0	46.4	





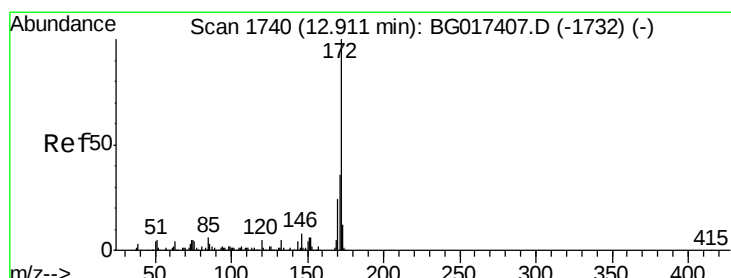
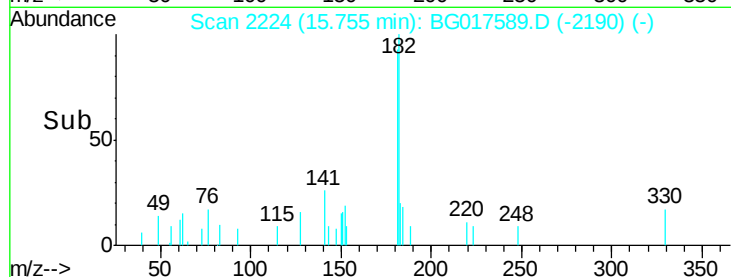
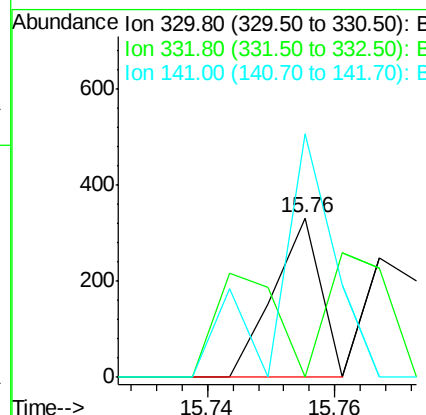
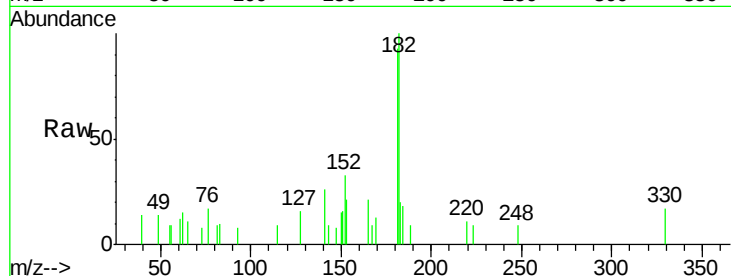
#41
 2,4,6-Tribromophenol
 Concen: 0.31 ng
 RT: 15.76 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Instrument :
 BNA_G
 ClientSampleId :
 FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.6	75.9	113.9
141	183.0	40.2	60.4#

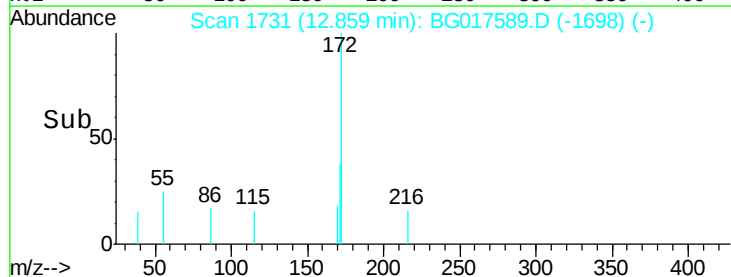
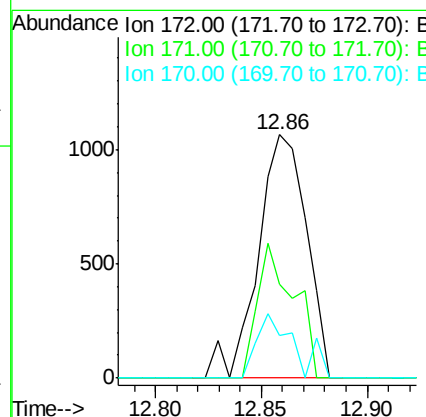
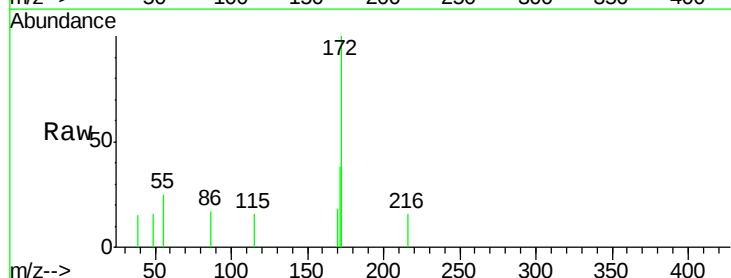
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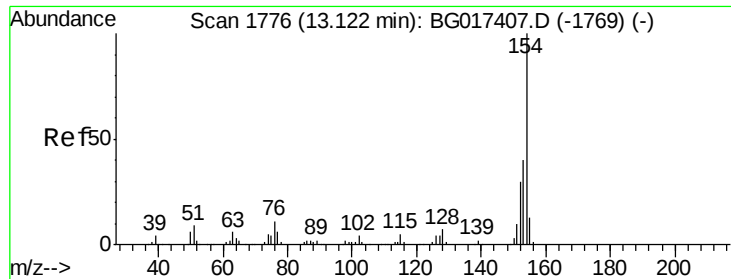
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#44
 2-Fluorobiphenyl
 Concen: 0.64 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.0	43.6
170	17.5	18.9	28.3#





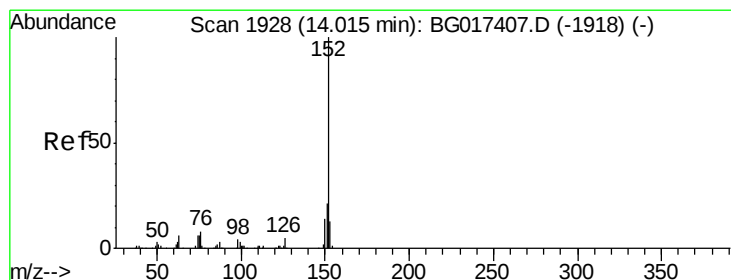
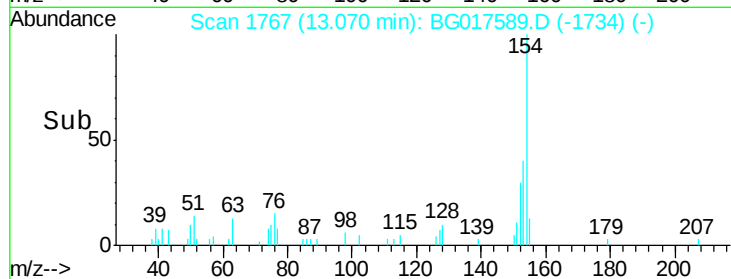
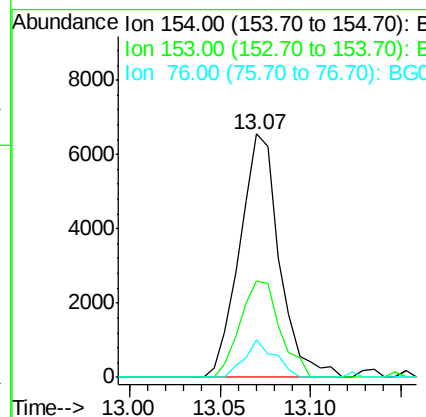
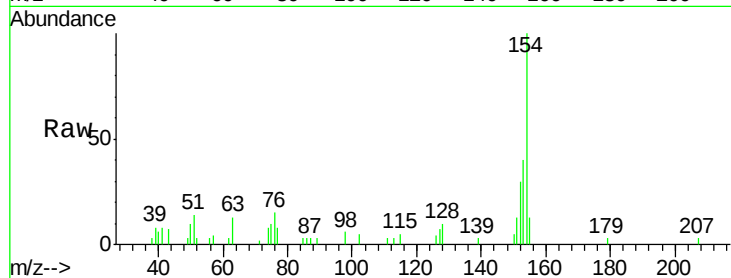
#45
 1,1'-Biphenyl
 Concen: 3.40 ng
 RT: 13.07 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Instrument :
 BNA_G
 ClientSampleId :
 FD-1-20150603DL2

Tgt Ion:	154	Resp:	9969
Ion Ratio	Lower	Upper	
154	100		
153	39.5	20.1	60.1
76	15.2	0.0	31.5

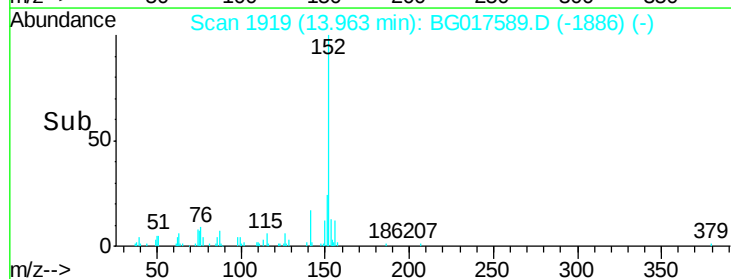
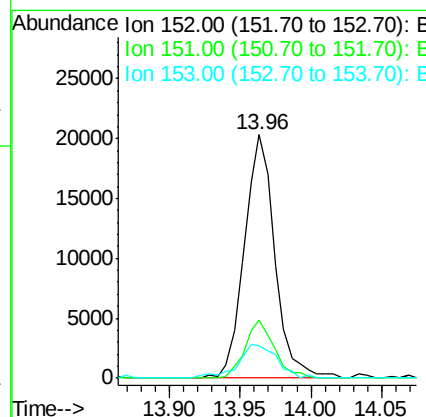
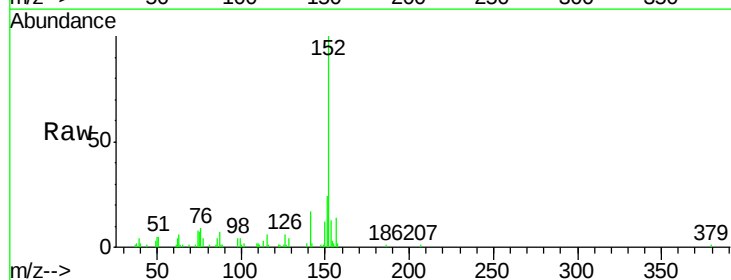
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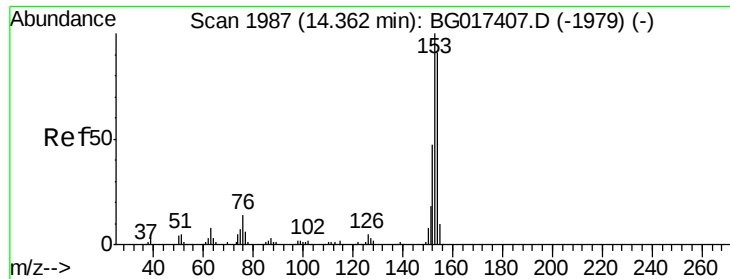
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#48
 Acenaphthylene
 Concen: 7.10 ng
 RT: 13.96 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Tgt Ion:	152	Resp:	30610
Ion Ratio	Lower	Upper	
152	100		
151	23.9	16.5	24.7
153	13.5	10.7	16.1





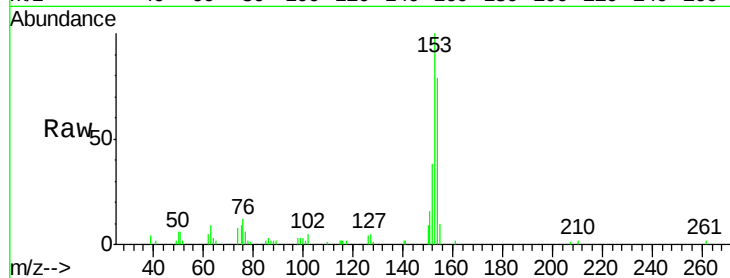
#51
Acenaphthene
Concen: 4.82 ng
RT: 14.31 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

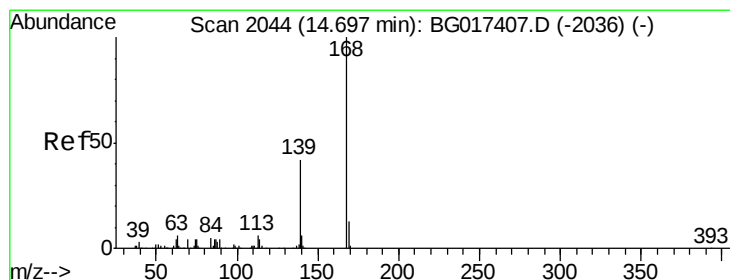
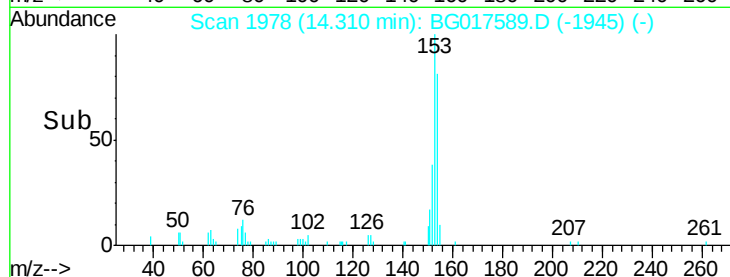
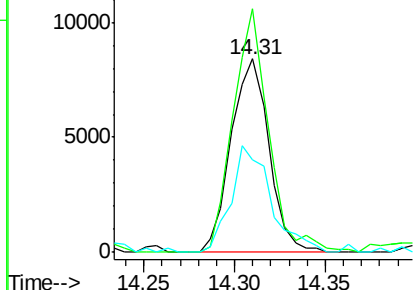
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	12250		
153	125.8	87.7	131.5	
152	48.0	40.8	61.2	

Manual Integrations
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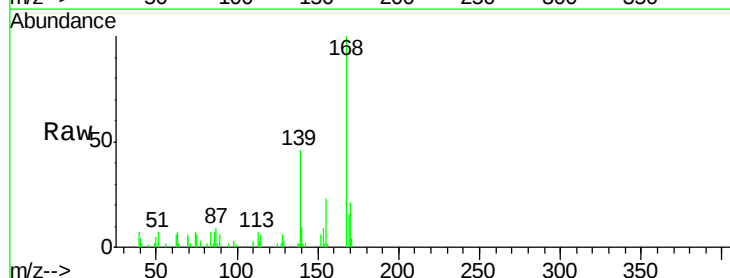


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

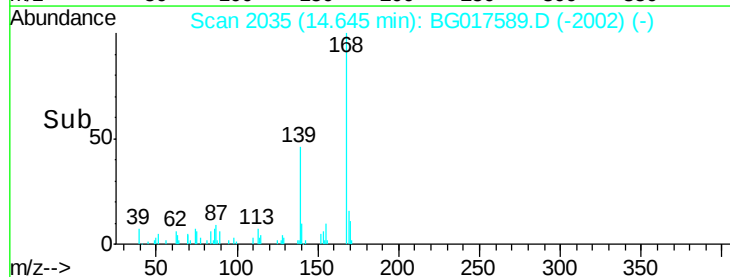
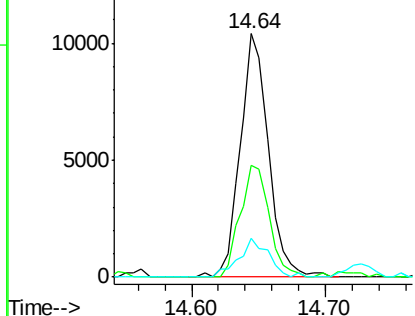


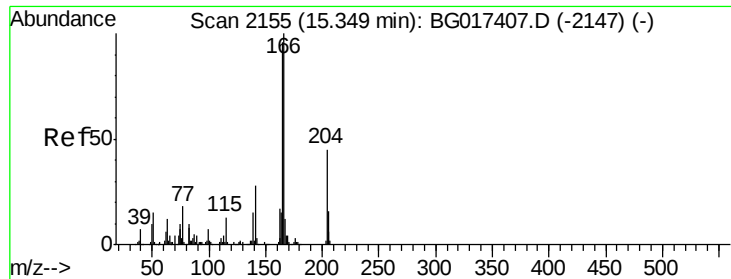
#54
Dibenzofuran
Concen: 4.04 ng
RT: 14.64 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	15151		
139	45.8	33.2	49.8	
169	15.7	10.6	16.0	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.85 ng

RT: 15.30 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BG017589.D

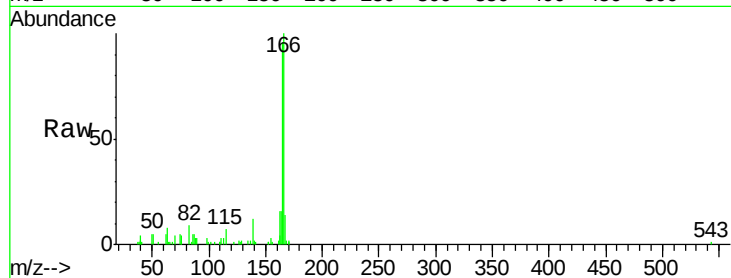
Acq: 10 Jun 2015 2:06

Instrument :

BNA_G

ClientSampleID :

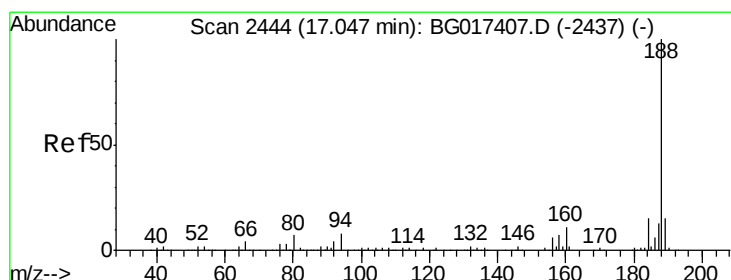
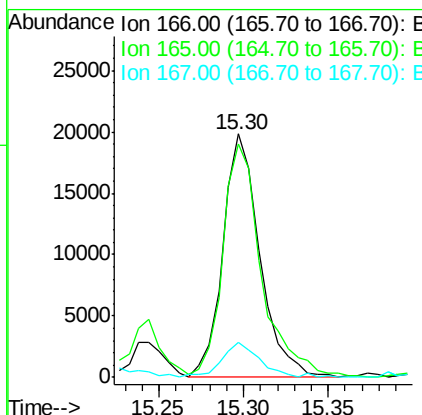
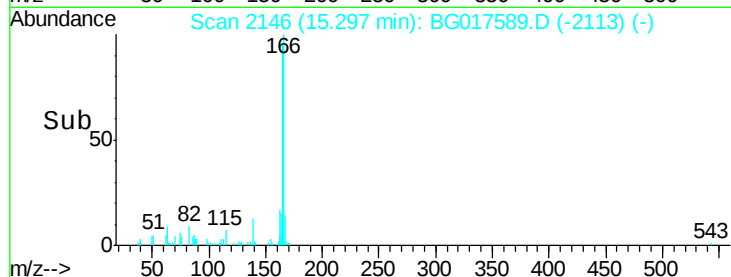
FD-1-20150603DL2



Tgt Ion:	166	Resp:	30118
Ion Ratio	Lower	Upper	
166	100		
165	95.9	76.8	115.2
167	14.3	9.9	14.9

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#63

Phenanthrene-d10

Concen: 20.00 ng

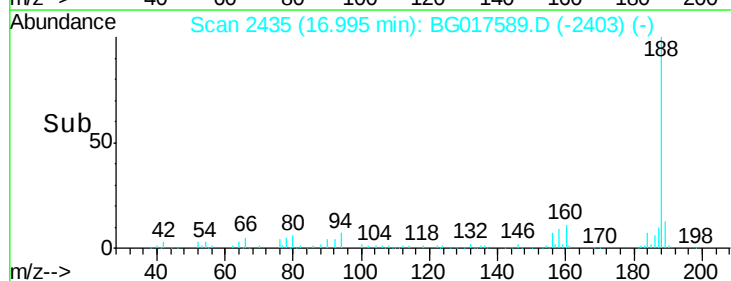
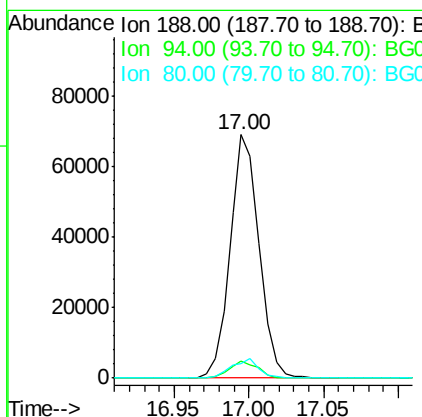
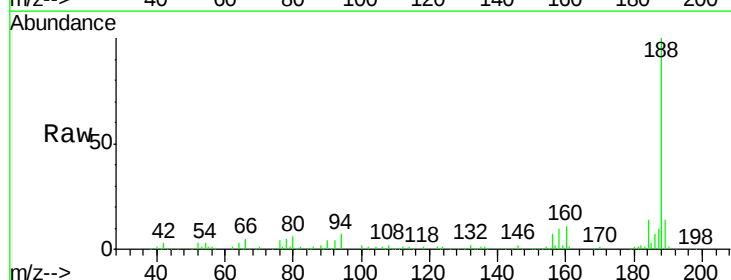
RT: 17.00 min Scan# 2435

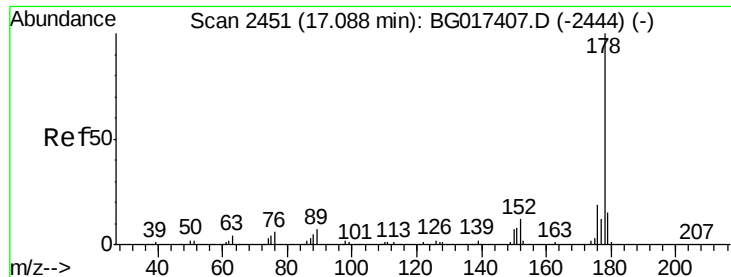
Delta R.T. -0.01 min

Lab File: BG017589.D

Acq: 10 Jun 2015 2:06

Tgt Ion:	188	Resp:	93946
Ion Ratio	Lower	Upper	
188	100		
94	7.3	6.3	9.5
80	6.2	5.2	7.8





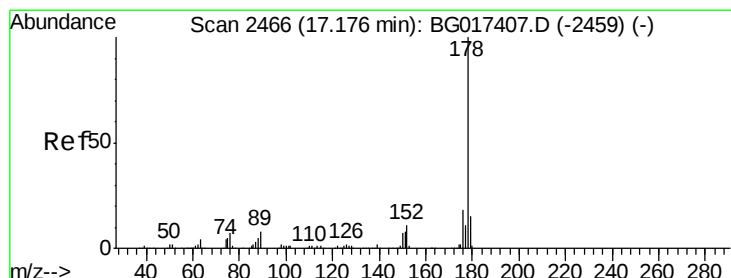
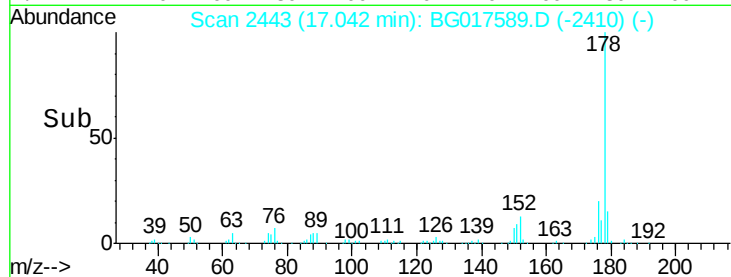
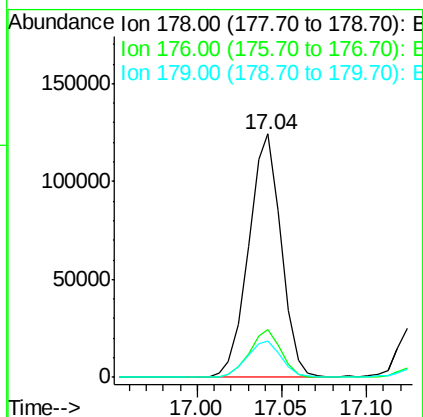
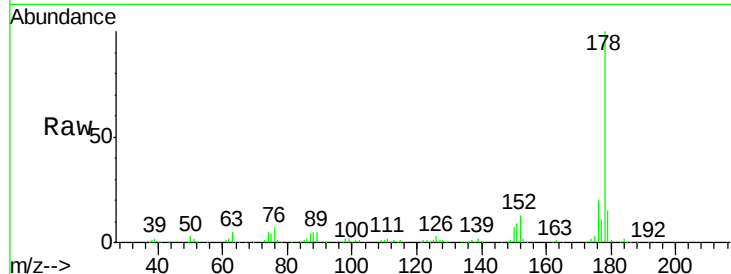
#70
Phenanthrene
Concen: 31.82 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.6	23.4
179	15.1	12.2	18.2

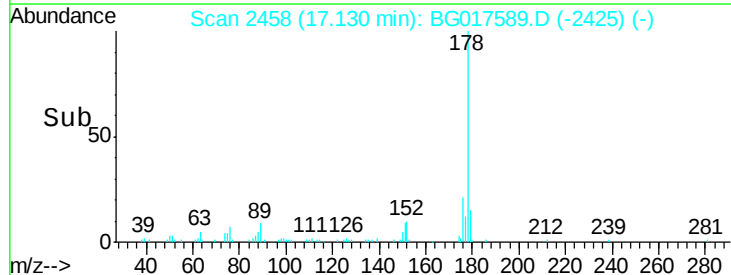
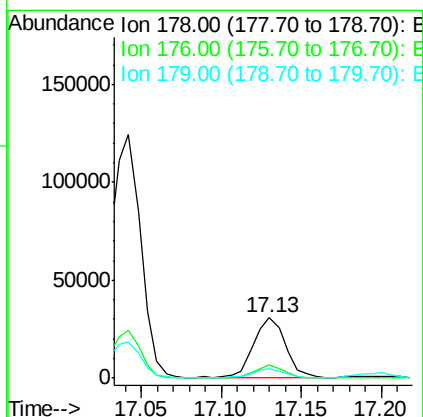
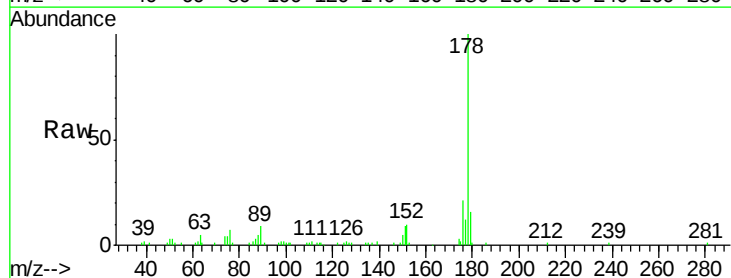
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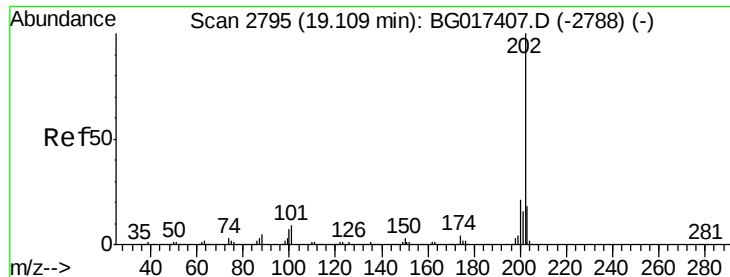
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6/10/2015 5:42:58 PM



#71
Anthracene
Concen: 8.42 ng m
RT: 17.13 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	21.3	14.2	21.2#
179	15.7	12.2	18.4





#74

Fluoranthene

Concen: 15.02 ng

RT: 19.07 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG017589.D

Acq: 10 Jun 2015 2:06

Instrument :

BNA_G

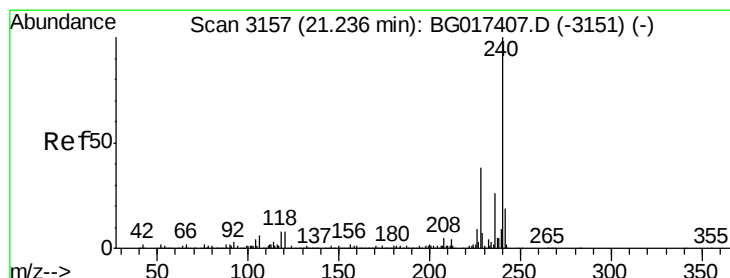
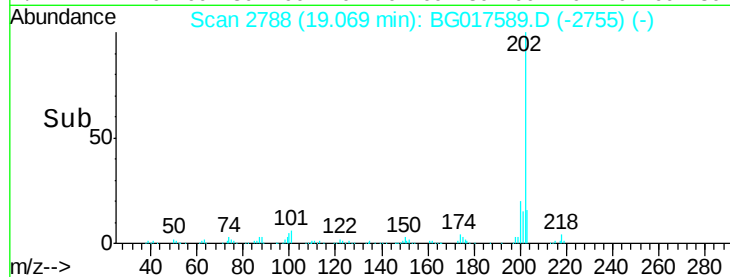
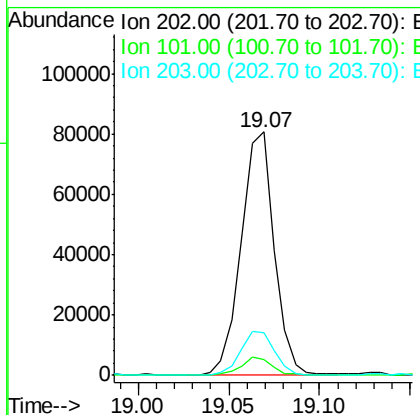
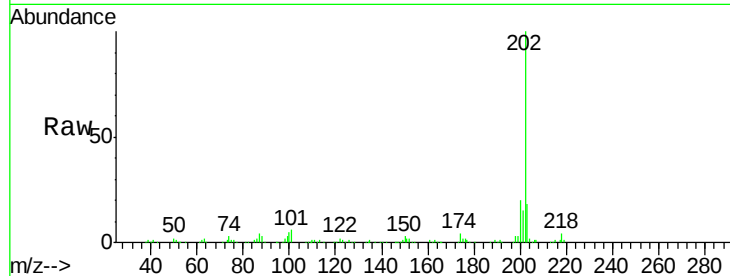
ClientSampleId :

FD-1-20150603DL2

Tgt Ion:	202	Resp:	102883
Ion Ratio		Lower	Upper
202	100		
101	6.5	0.0	28.8
203	17.6	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

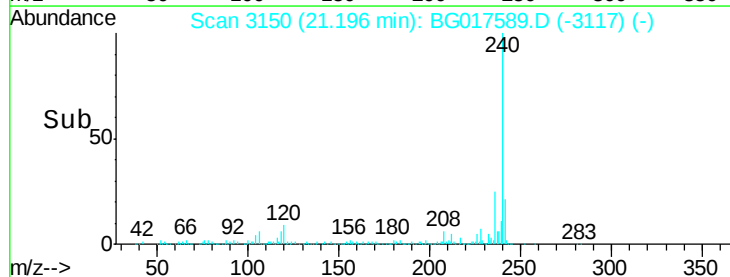
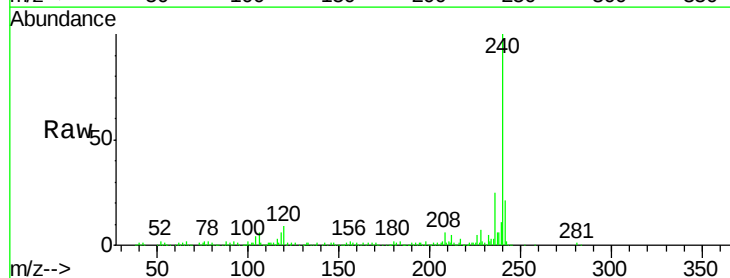
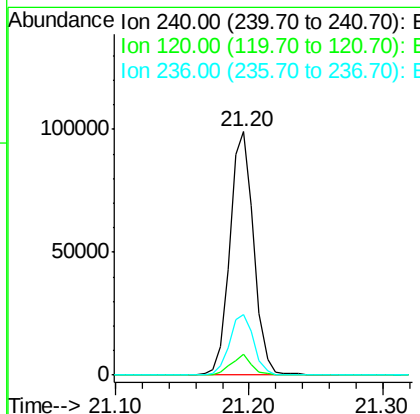
RT: 21.20 min Scan# 3150

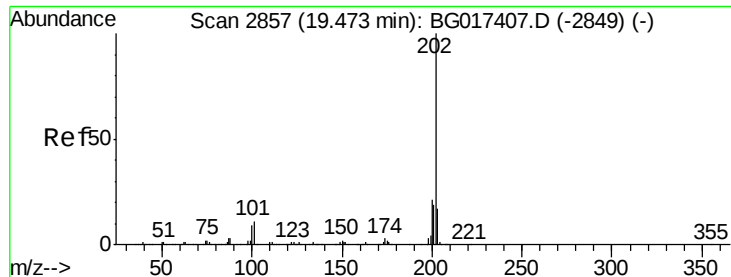
Delta R.T. -0.01 min

Lab File: BG017589.D

Acq: 10 Jun 2015 2:06

Tgt Ion:	240	Resp:	123920
Ion Ratio		Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.0	20.8	31.2





#77

Pyrene

Concen: 16.17 ng

RT: 19.43 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG017589.D

Acq: 10 Jun 2015 2:06

Instrument :

BNA_G

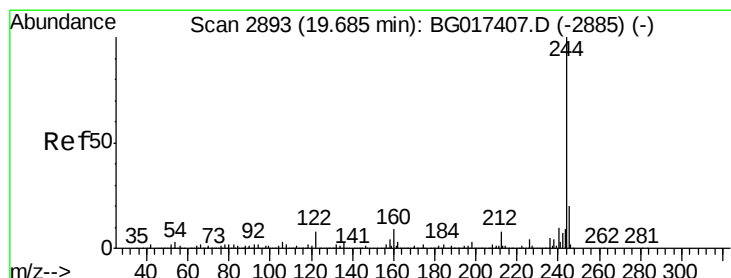
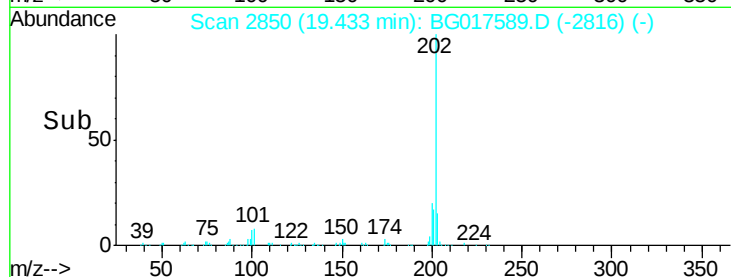
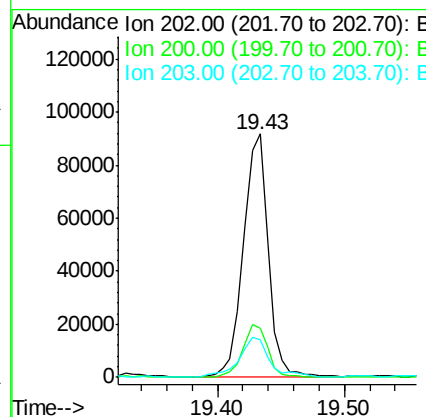
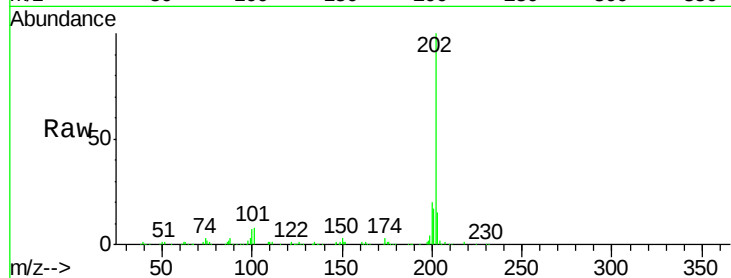
ClientSampleId :

FD-1-20150603DL2

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		123421		
200	20.1		17.0	25.4	
203	15.4		13.9	20.9	

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#78

Terphenyl-d14

Concen: 0.62 ng

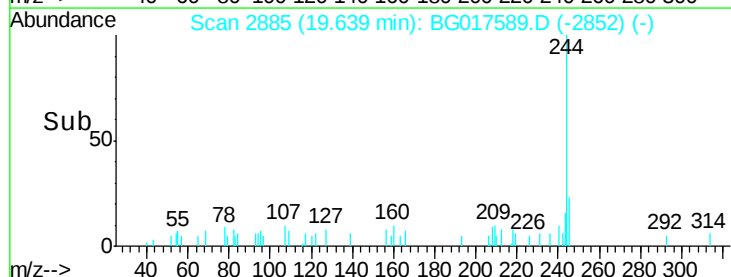
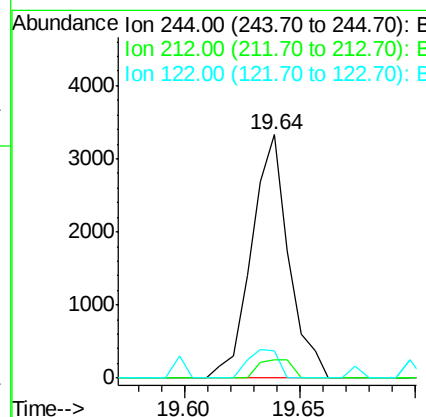
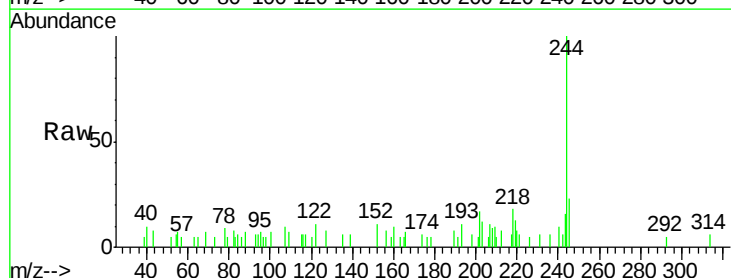
RT: 19.64 min Scan# 2885

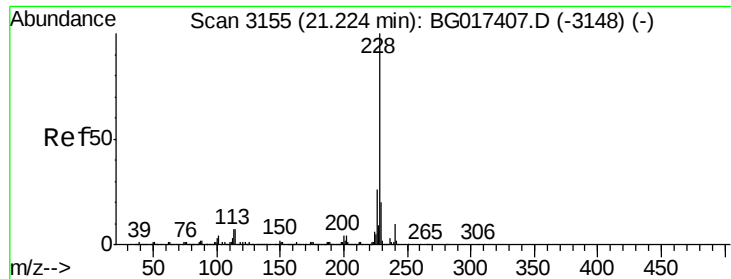
Delta R.T. -0.01 min

Lab File: BG017589.D

Acq: 10 Jun 2015 2:06

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		3746		
212	7.7		6.4	9.6	
122	11.2		6.6	10.0	





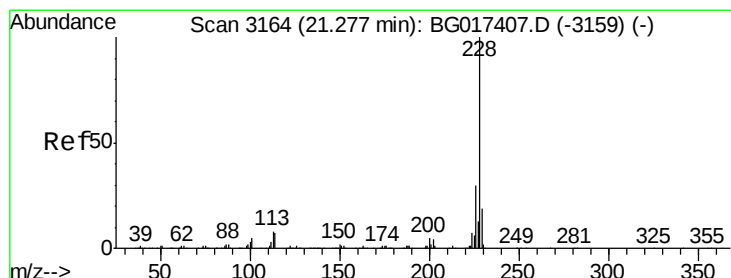
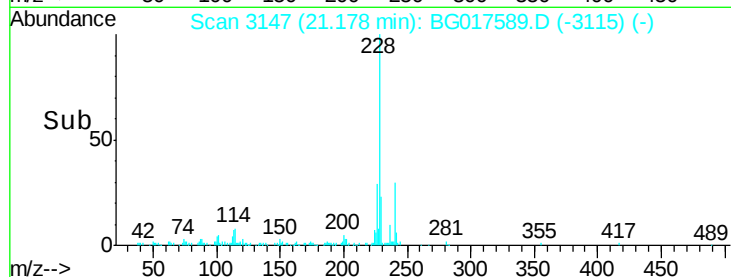
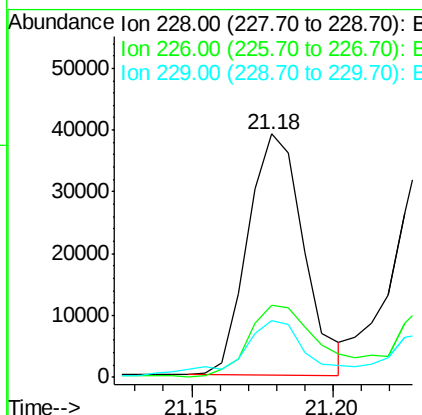
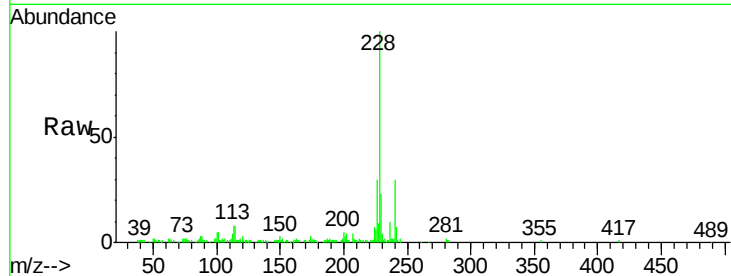
#80
Benzo(a)anthracene
Concen: 7.04 ng
RT: 21.18 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.0	31.6
229	23.3	15.7	23.5

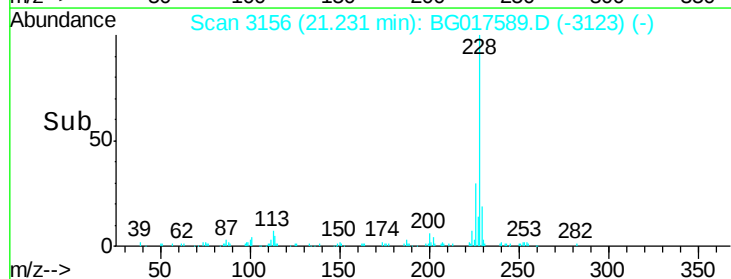
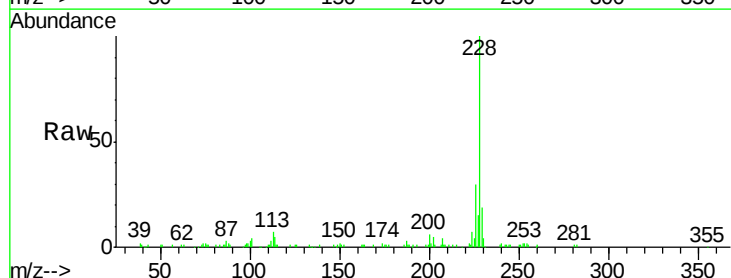
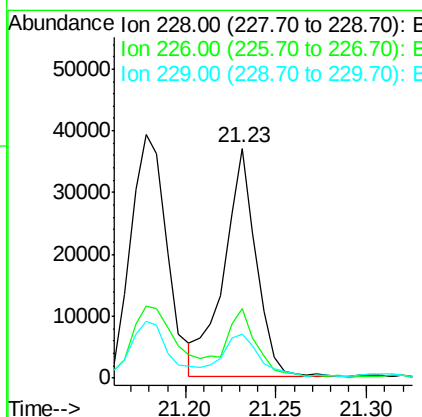
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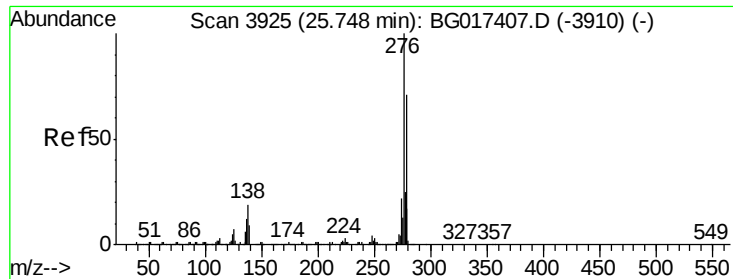
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#82
Chrysene
Concen: 6.65 ng
RT: 21.23 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.0	15.2	22.8





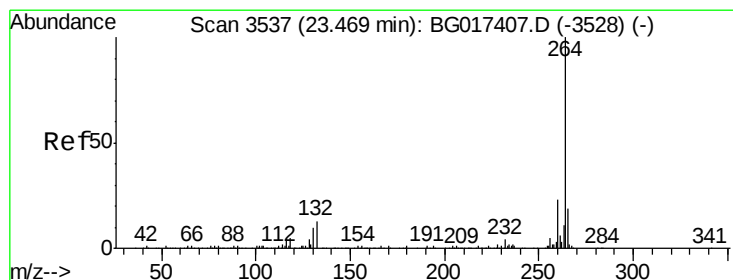
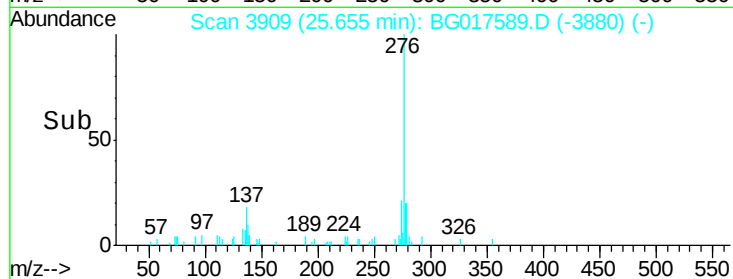
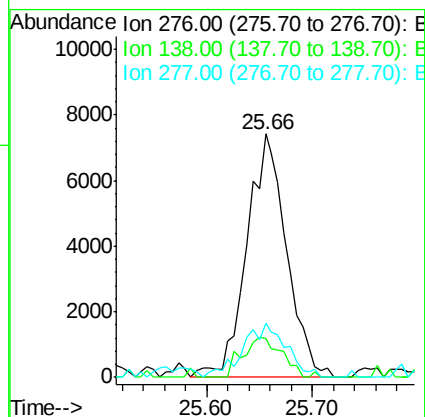
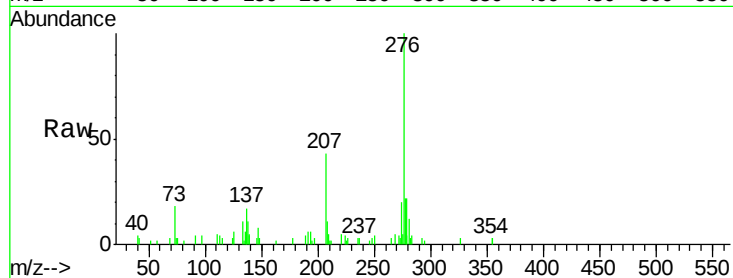
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.23 ng
 RT: 25.66 min Scan# 3909
 Delta R.T. -0.03 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Instrument :
 BNA_G
 ClientSampleId :
 FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	15.4	23.0
277	24.2	20.5	30.7

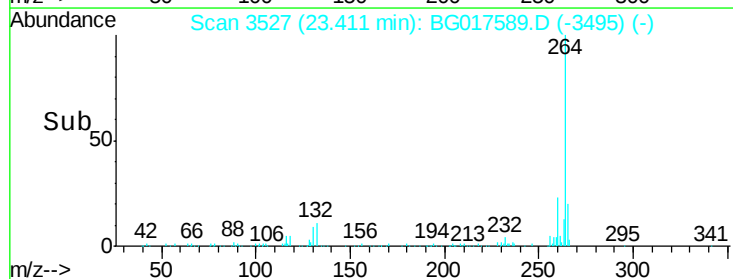
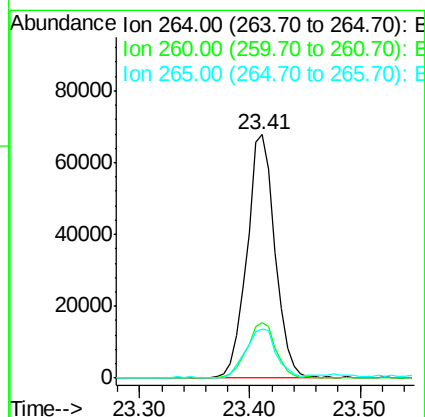
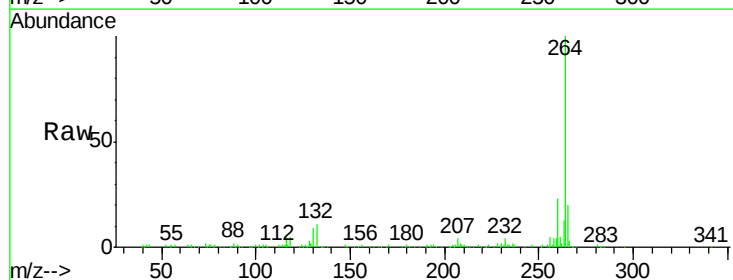
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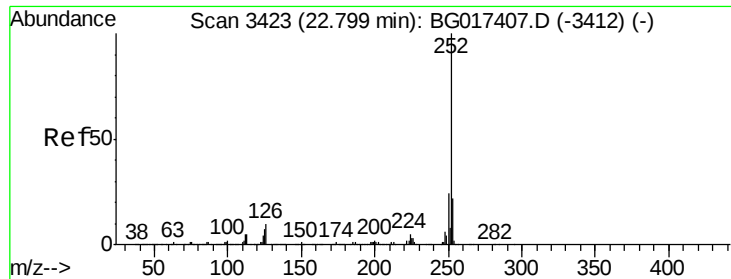
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.41 min Scan# 3527
 Delta R.T. -0.01 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.4	15.8	23.6





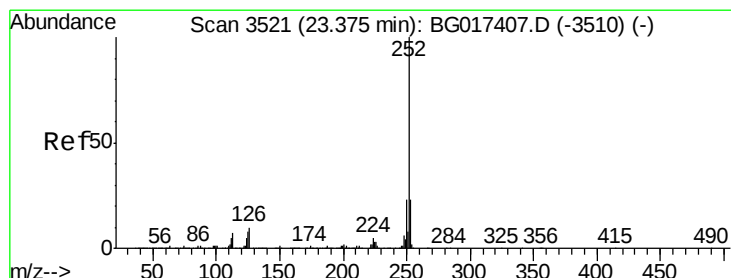
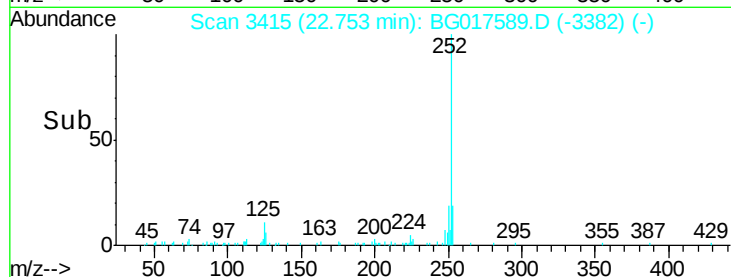
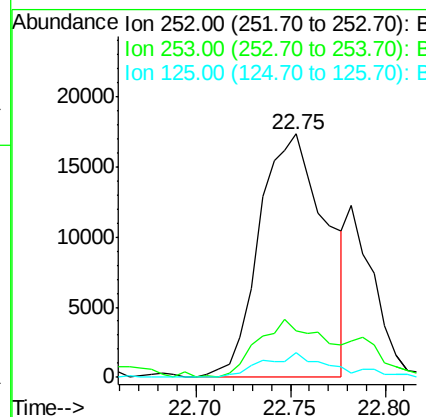
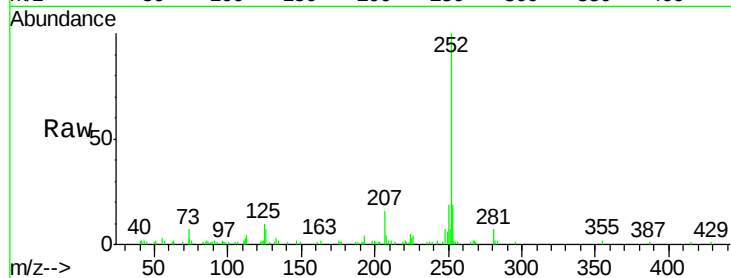
#87
Benzo(b)fluoranthene
Concen: 5.52 ng m
RT: 22.75 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Instrument :
BNA_G
ClientSampleId :
FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.4	17.4	26.2
125	10.4	5.8	8.8#

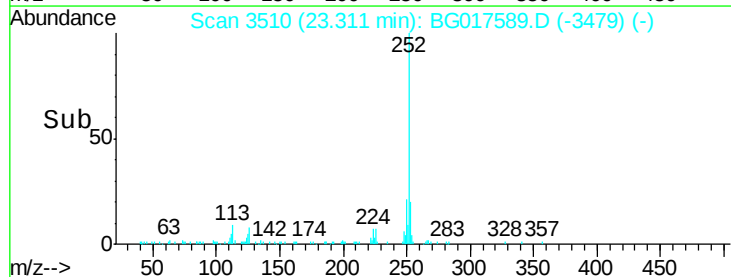
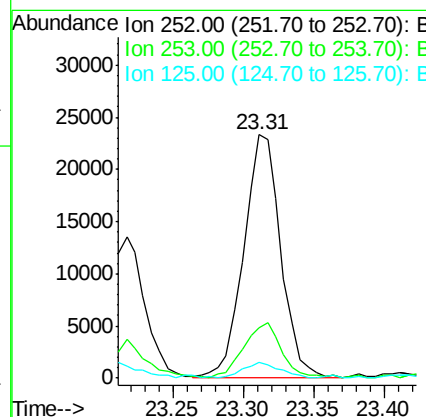
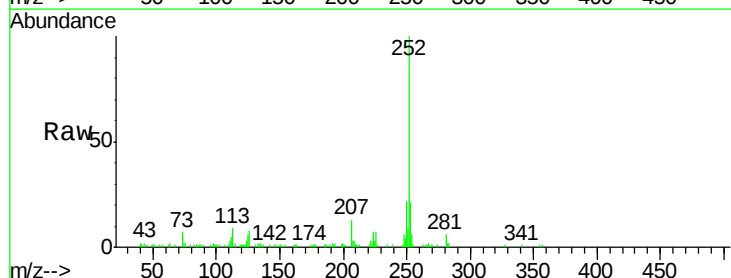
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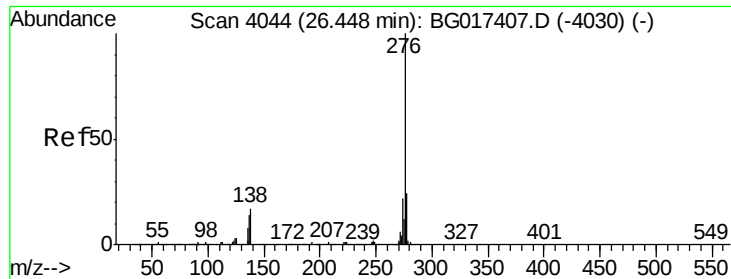
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#89
Benzo(a)pyrene
Concen: 6.08 ng
RT: 23.31 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BG017589.D
Acq: 10 Jun 2015 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	6.2	6.5	9.7#





#91
 Benzo(g,h,i)perylene
 Concen: 2.69 ng
 RT: 26.34 min Scan# 4026
 Delta R.T. -0.04 min
 Lab File: BG017589.D
 Acq: 10 Jun 2015 2:06

Instrument :
 BNA_G
 ClientSampleId :
 FD-1-20150603DL2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.1	19.2	28.8
138	26.6	13.5	20.3

Manual Integrations
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