

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017569.D
 Acq On : 9 Jun 2015 10:42
 Operator : TP/IZ
 Sample : G2464-07DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

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Quant Time: Jun 09 11:56:15 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:39:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	20061	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	87488	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	54660	20.00	ng	-0.02
63) Phenanthrene-d10	17.02	188	111967	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	126178	20.00	ng	-0.02
86) Perylene-d12	23.44	264	127627	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	3932	3.45	ng	0.00
7) Phenol-d6	6.82	99	5174	3.34	ng	0.00
23) Nitrobenzene-d5	8.77	82	4050	2.31	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	2069	2.73	ng	0.00
44) 2-Fluorobiphenyl	12.89	172	10241	2.83	ng	-0.01
78) Terphenyl-d14	19.66	244	14727	2.41	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.45	128	335213	73.34	ng	100
37) 2-Methylnaphthalene	12.07	142	131415	37.40	ng	95
45) 1,1'-Biphenyl	13.10	154	21188	5.30	ng	90
48) Acenaphthylene	13.99	152	64251	10.92	ng	98
51) Acenaphthene	14.33	154	25650	7.39	ng	97
54) Dibenzofuran	14.67	168	29168	5.70	ng	# 89
57) Fluorene	15.33	166	59563	12.84	ng	95
70) Phenanthrene	17.06	178	306711	49.13	ng	99
71) Anthracene	17.16	178	81093	13.00	ng	96
74) Fluoranthene	19.09	202	188580	23.10	ng	99
77) Pyrene	19.46	202	218518	28.11	ng	99
80) Benzo(a)anthracene	21.20	228	94562	12.19	ng	96
82) Chrysene	21.25	228	79372	11.30	ng	97
85) Indeno(1,2,3-cd)pyrene	25.70	276	25326	2.87	ng	98
87) Benzo(b)fluoranthene	22.78	252	77657m	9.60	ng	
88) Benzo(k)fluoranthene	22.82	252	22124m	2.86	ng	
89) Benzo(a)pyrene	23.35	252	73060	9.85	ng	99
91) Benzo(g,h,i)perylene	26.41	276	27101	3.69	ng	# 90

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

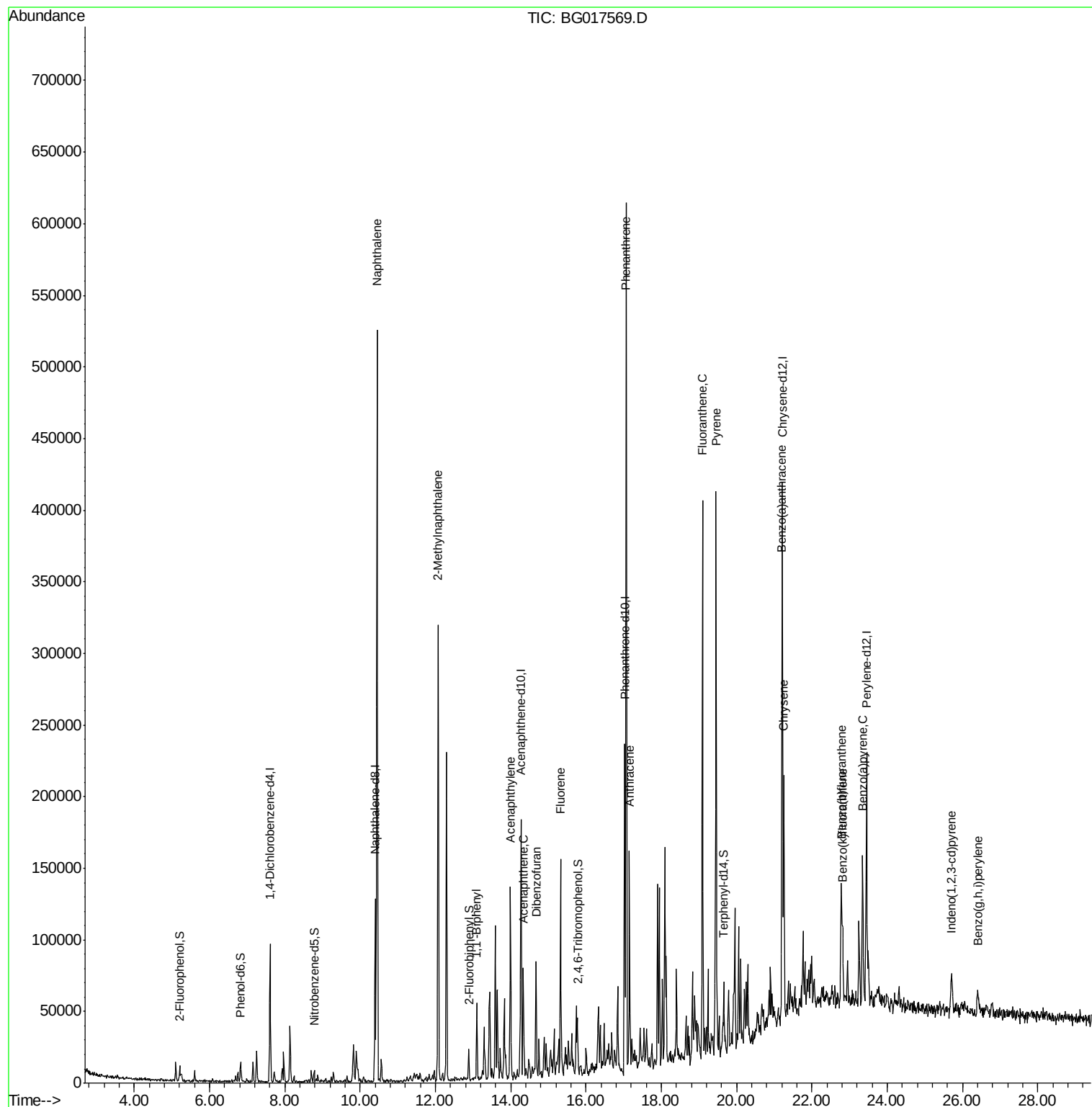
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017569.D
Acq On : 9 Jun 2015 10:42
Operator : TP/IZ
Sample : G2464-07DL 25X
Misc :
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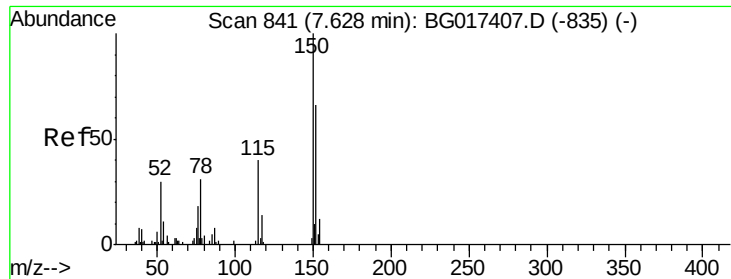
Instrument :
BNA_G
ClientSampleId :
SB-12DDL

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Quant Time: Jun 09 11:56:15 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration

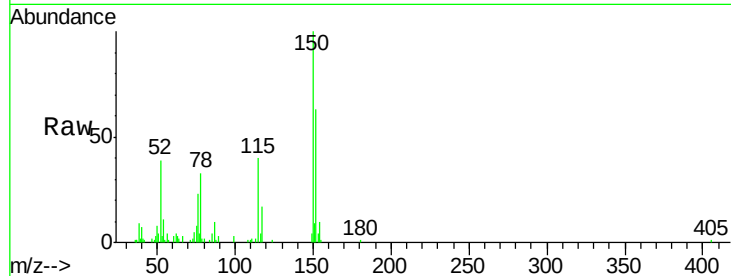




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

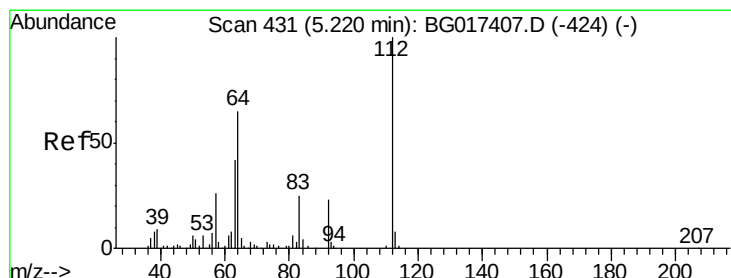
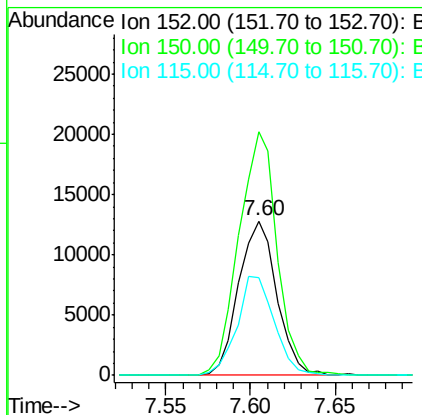
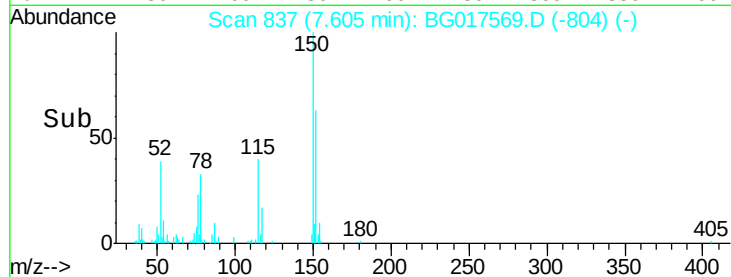
Instrument :
BNA_G
ClientSampled :
SB-12DDL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.1	121.7	182.5
115	63.0	48.6	73.0

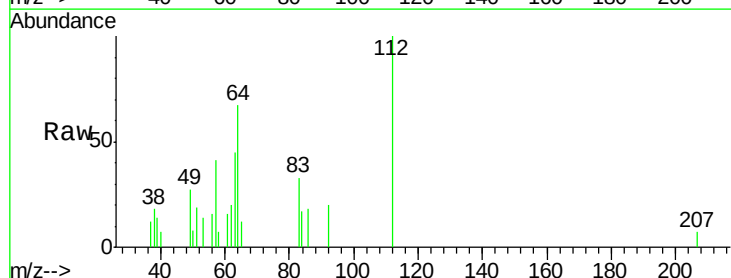
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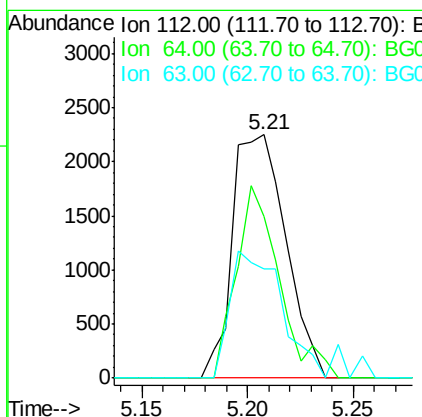
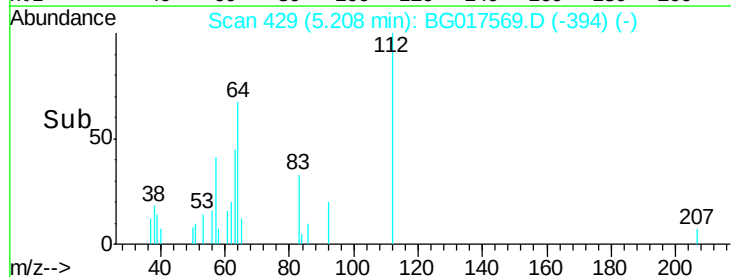


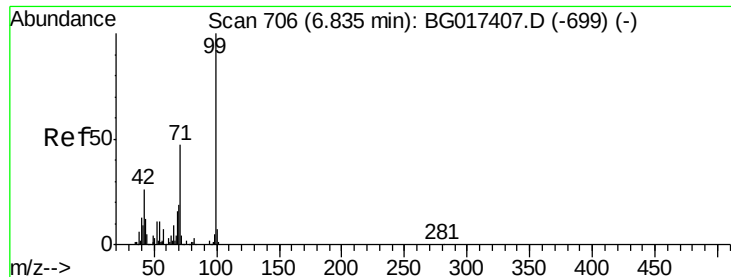
#5

2-Fluorophenol
Concen: 3.45 ng
RT: 5.21 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42



Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	51.6	77.4
63	44.8	33.3	49.9





#7

Phenol-d6

Concen: 3.34 ng

RT: 6.82 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG017569.D

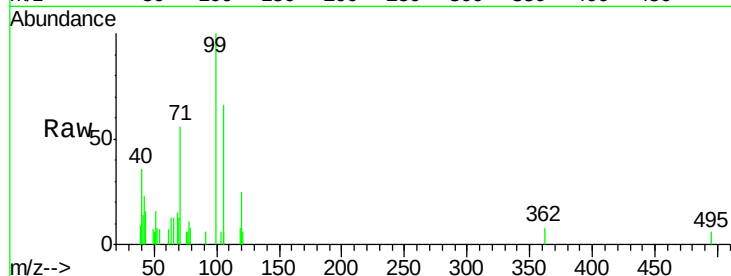
Acq: 9 Jun 2015 10:42

Instrument :

BNA_G

ClientSampleId :

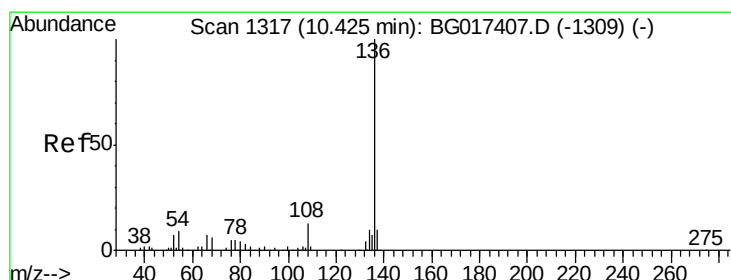
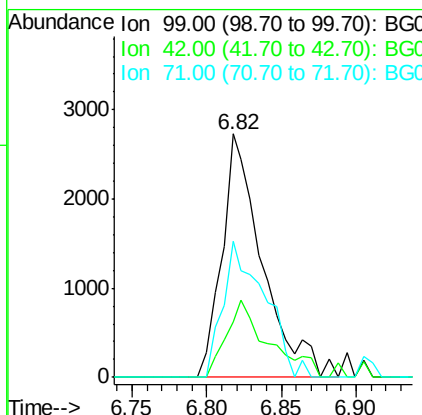
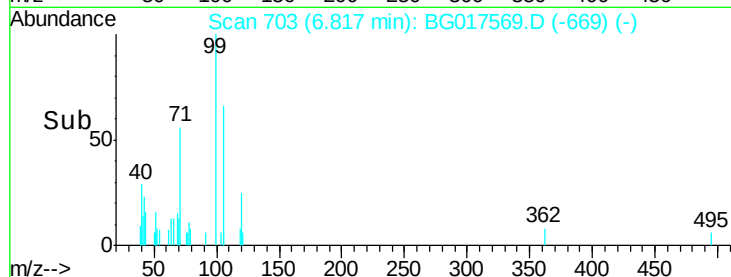
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.6	21.0	31.6
71	55.8	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

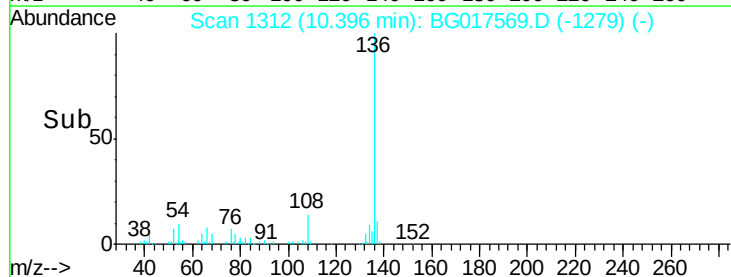
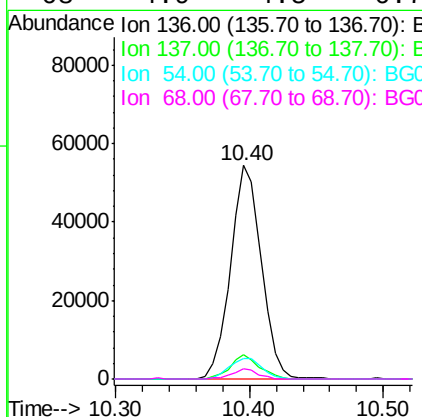
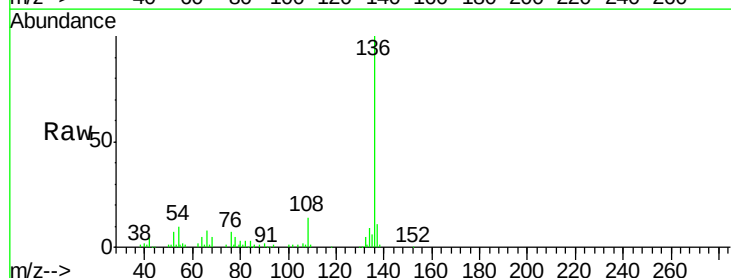
RT: 10.40 min Scan# 1312

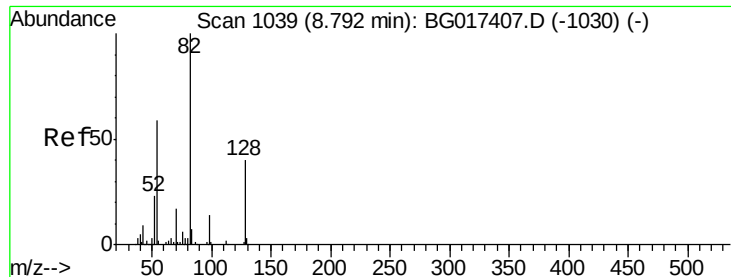
Delta R.T. -0.01 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	7.9	11.9
54	9.5	7.2	10.8
68	4.9	4.5	6.7





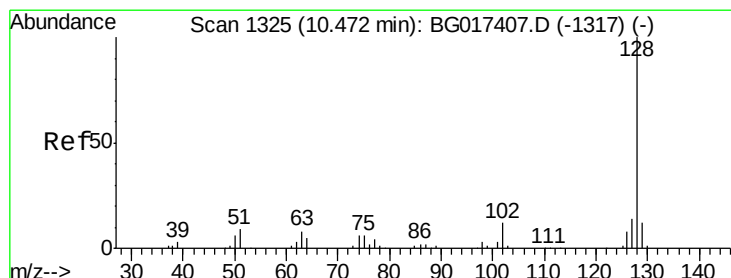
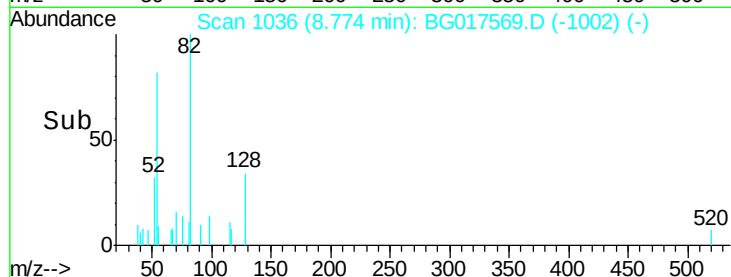
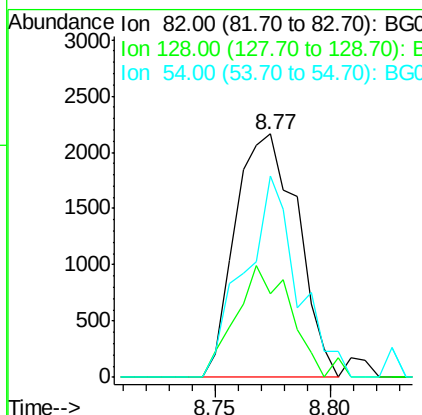
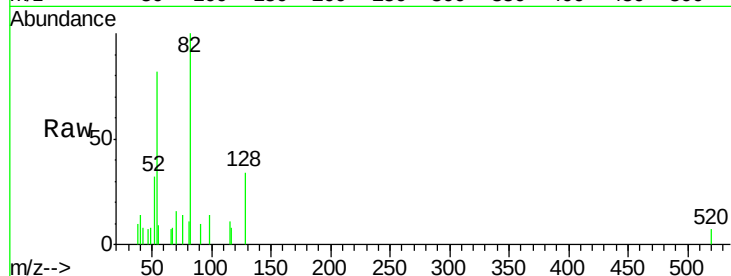
#23
 Nitrobenzene-d5
 Concen: 2.31 ng
 RT: 8.77 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.3	32.2	48.4
54	82.5	47.4	71.2#

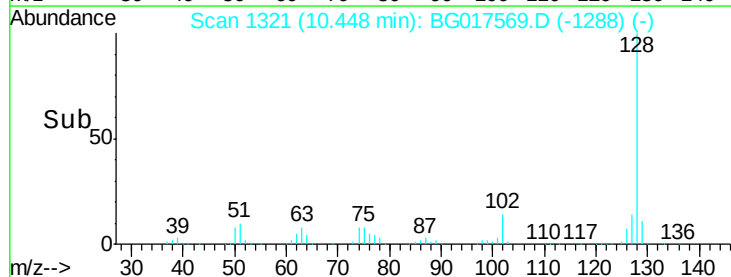
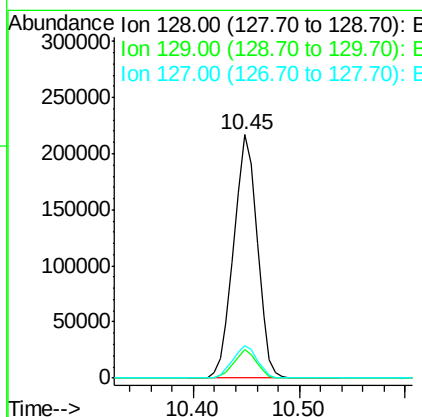
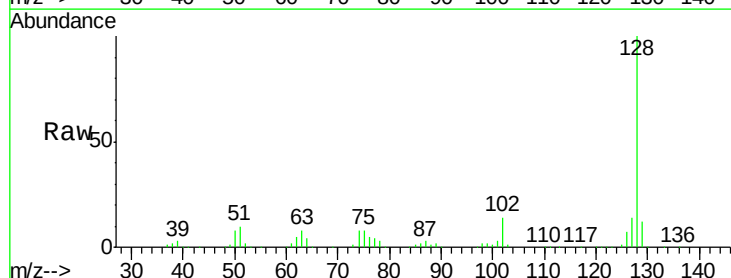
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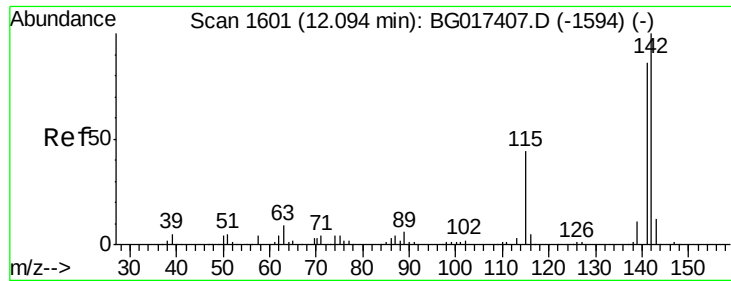
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#31
 Naphthalene
 Concen: 73.34 ng
 RT: 10.45 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.5	10.9	16.3





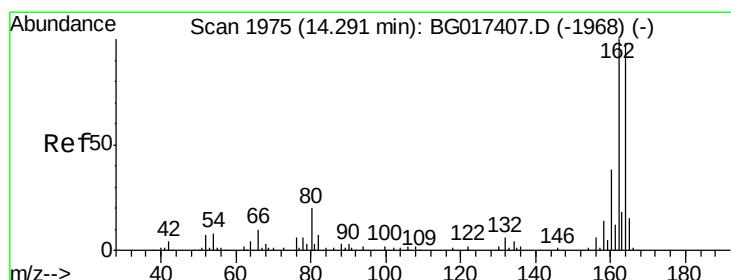
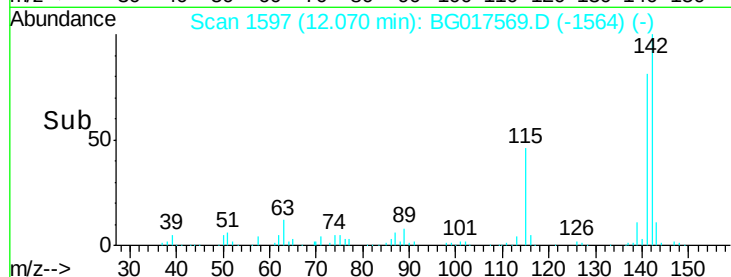
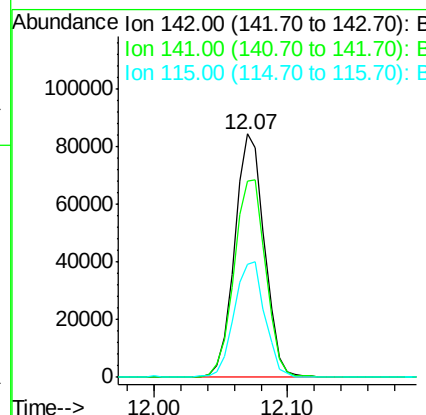
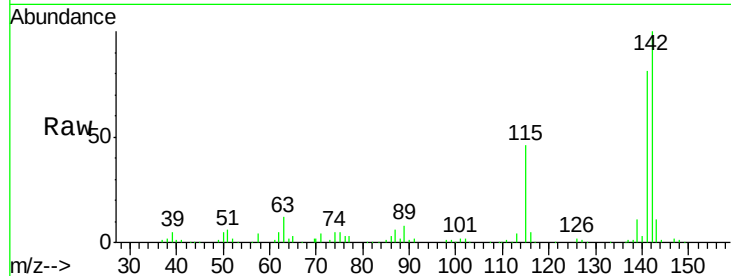
#37
 2-Methylnaphthalene
 Concen: 37.40 ng
 RT: 12.07 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	131415		
141	80.7	68.6	102.8	
115	46.2	35.3	52.9	

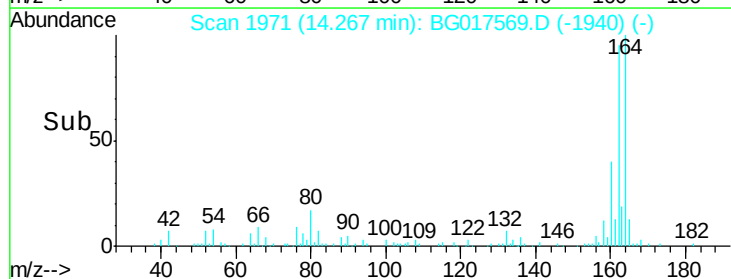
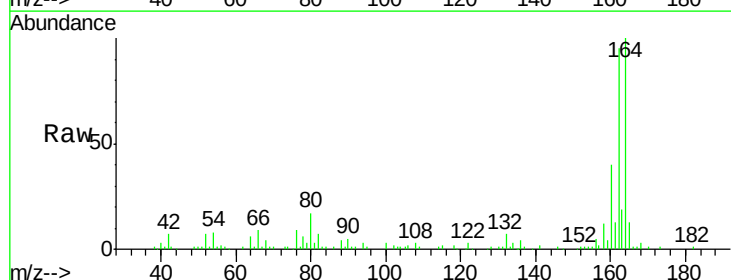
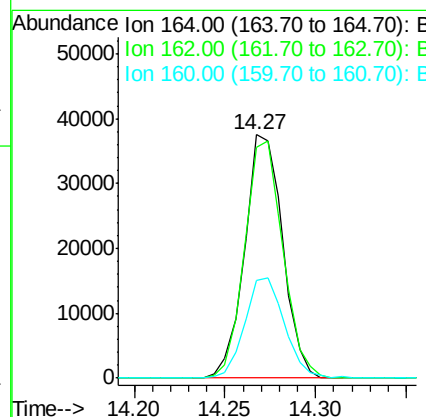
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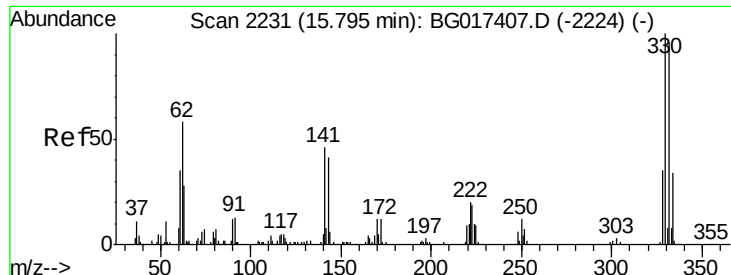
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1971
 Delta R.T. -0.02 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54660		
162	94.6	81.8	122.6	
160	40.1	31.0	46.4	





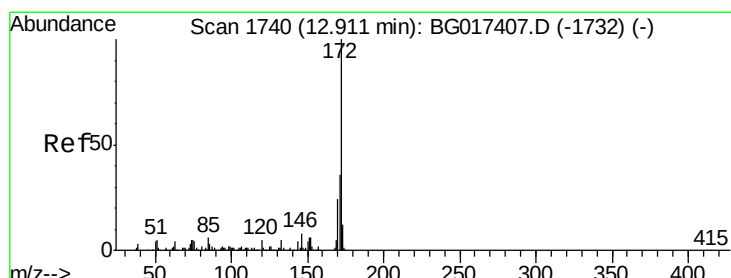
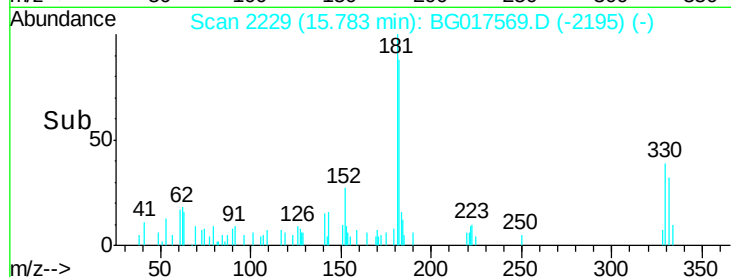
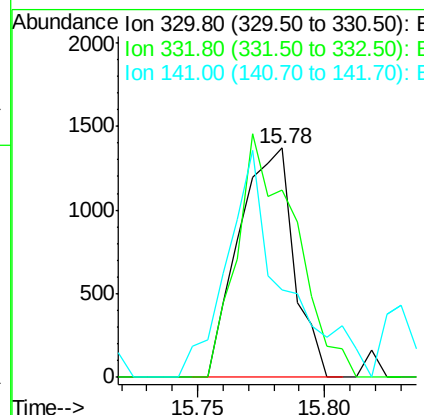
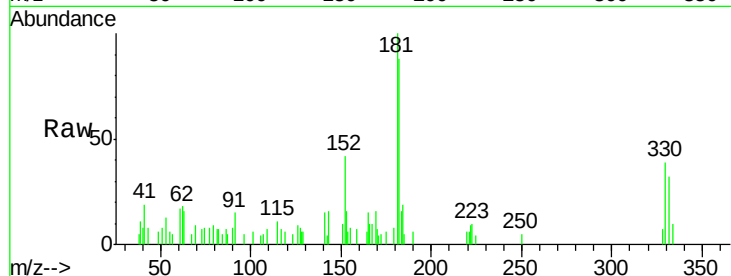
#41
 2,4,6-Tribromophenol
 Concen: 2.73 ng
 RT: 15.78 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	2069		
332	112.1		75.9	113.9
141	102.1		40.2	60.4

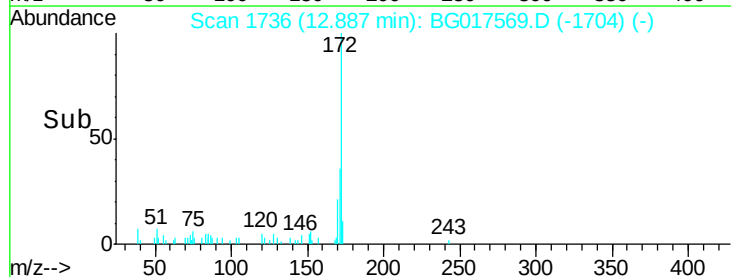
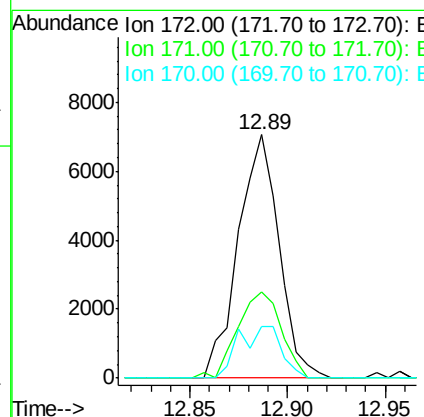
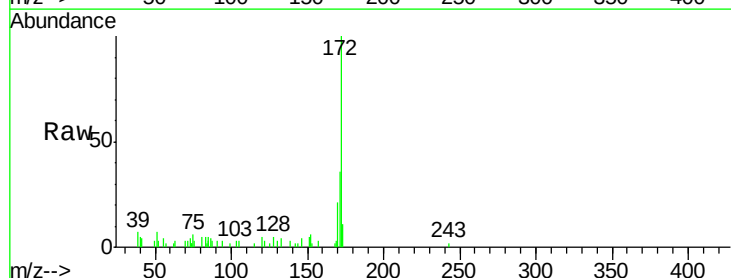
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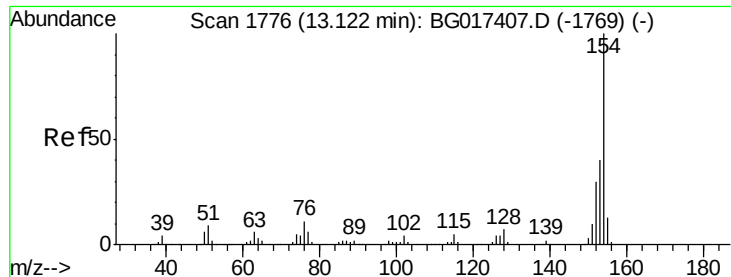
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#44
 2-Fluorobiphenyl
 Concen: 2.83 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	10241		
171	35.6		29.0	43.6
170	21.2		18.9	28.3





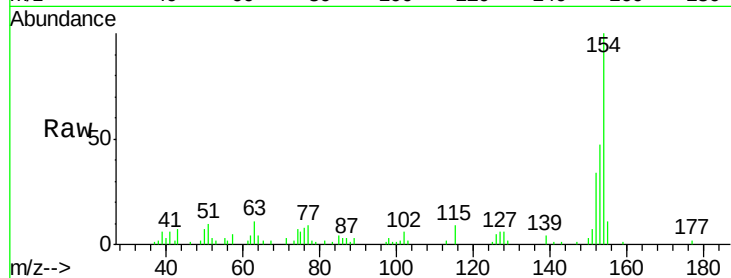
#45
 1,1'-Biphenyl
 Concen: 5.30 ng
 RT: 13.10 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

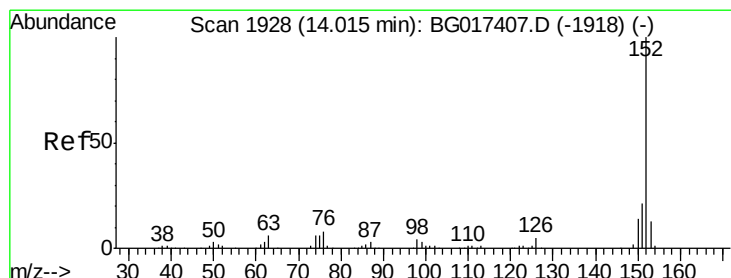
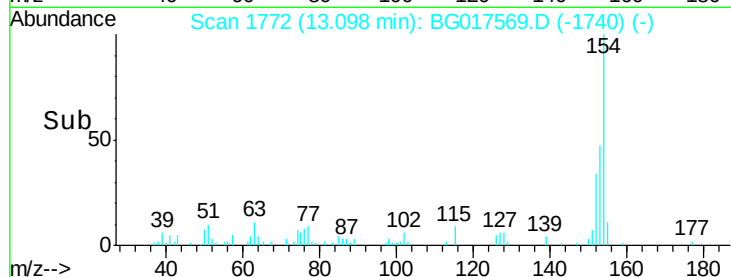
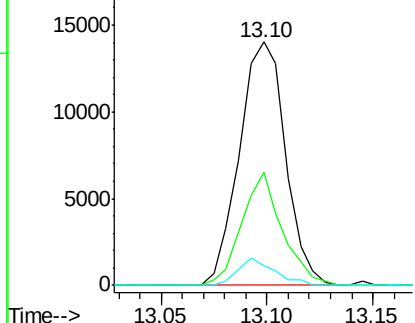
Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	46.6	20.1	60.1
76	8.0	0.0	31.5

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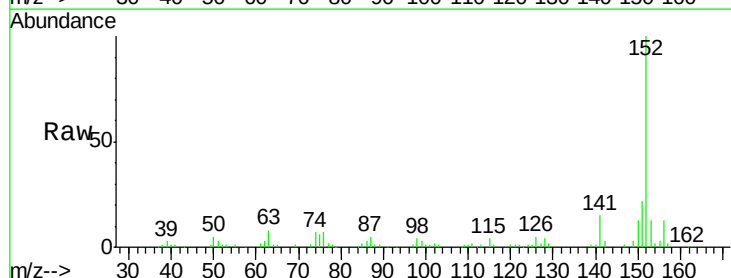


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

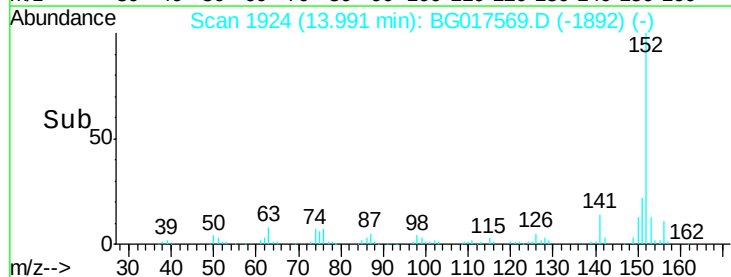
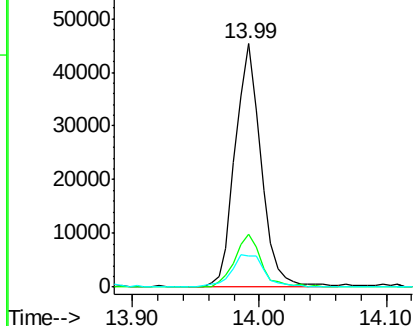


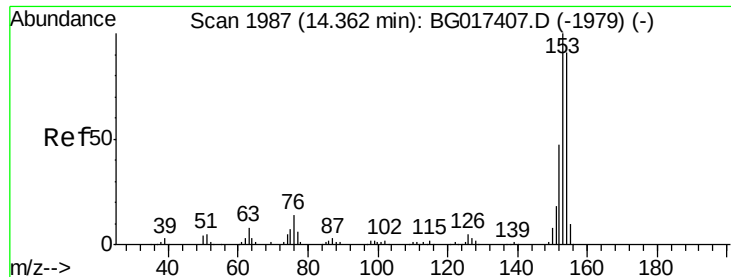
#48
 Acenaphthylene
 Concen: 10.92 ng
 RT: 13.99 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	21.7	16.5	24.7
153	13.0	10.7	16.1



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





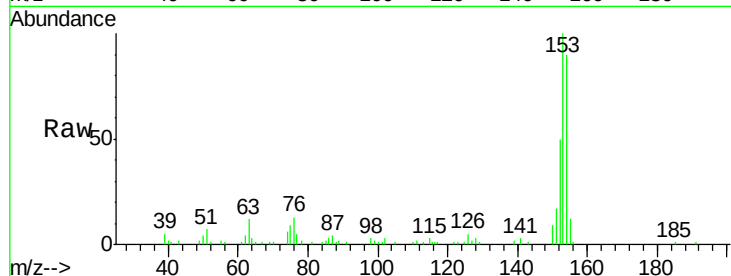
#51
Acenaphthene
Concen: 7.39 ng
RT: 14.33 min Scan# 1982
Delta R.T. -0.02 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Instrument :
BNA_G
ClientSampleId :
SB-12DDL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	87.7	131.5
152	56.0	40.8	61.2

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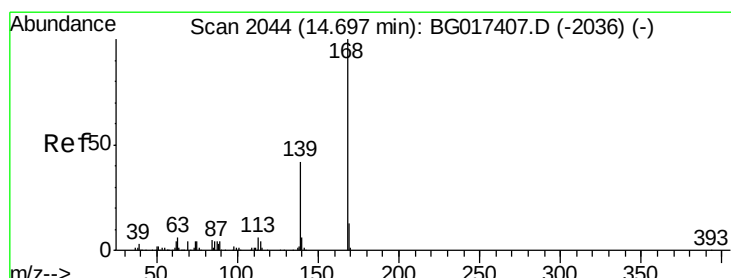
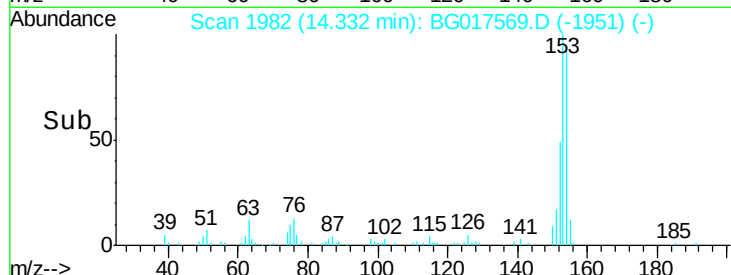
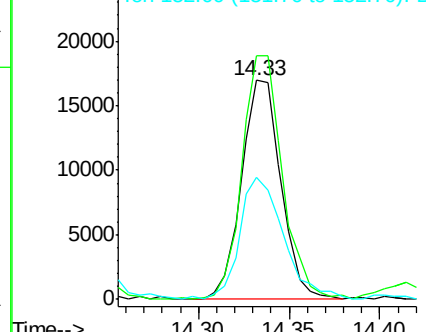


Abundance

Ion 154.00 (153.70 to 154.70): E

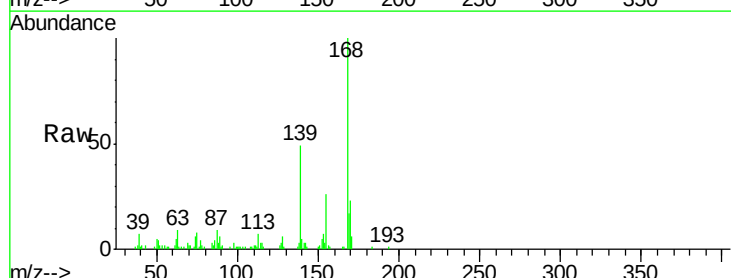
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54
Dibenzofuran
Concen: 5.70 ng
RT: 14.67 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.6	33.2	49.8
169	16.7	10.6	16.0#

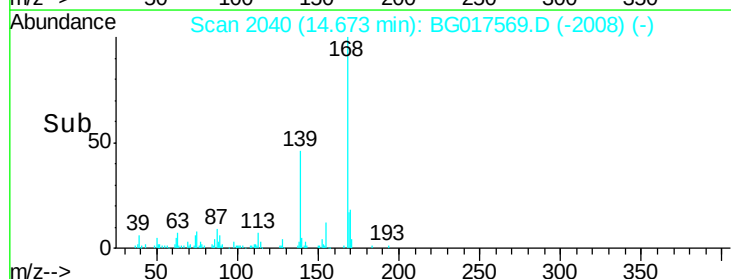
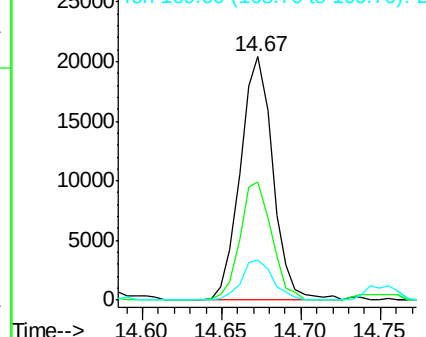


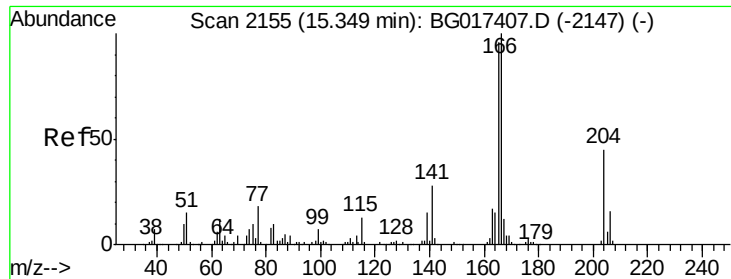
Abundance

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





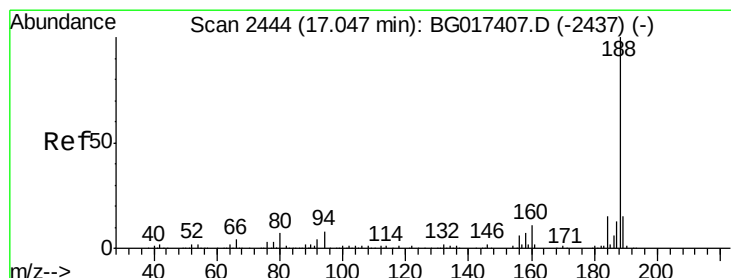
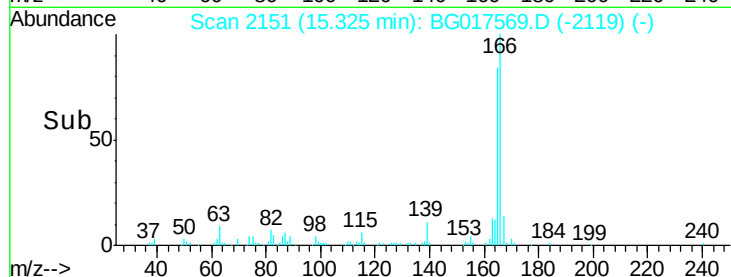
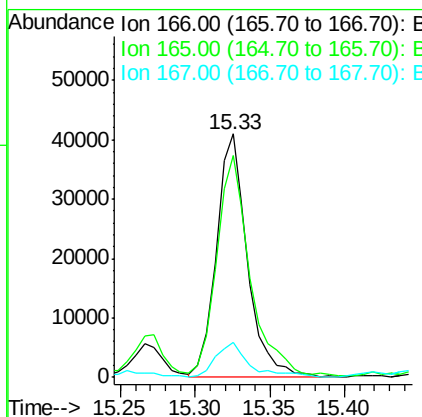
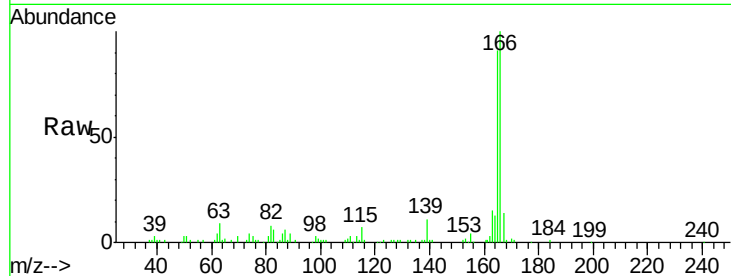
#57
Fluorene
 Concen: 12.84 ng
 RT: 15.33 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampled :
 SB-12DDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	59563		
165	91.0	76.8	115.2	
167	14.1	9.9	14.9	

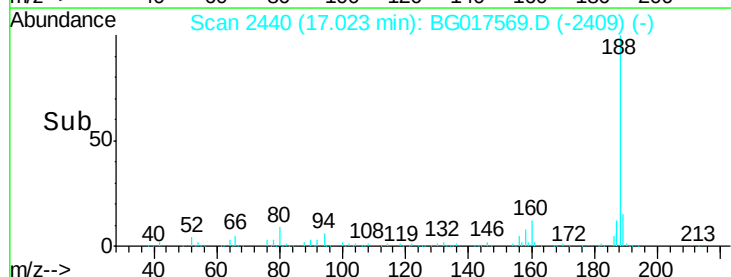
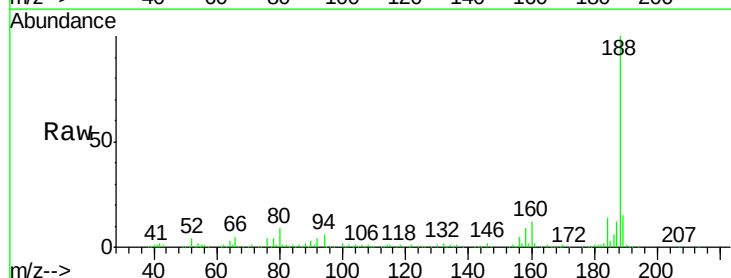
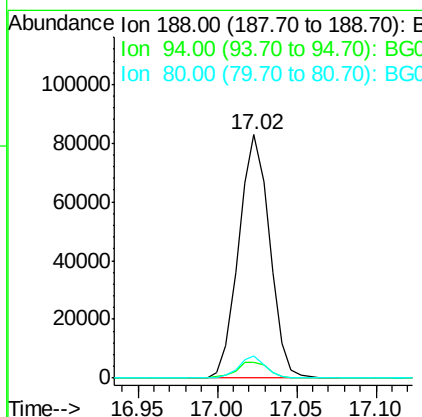
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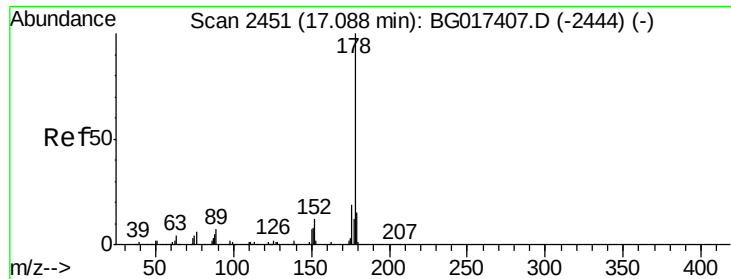
apatel
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.02 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	111967		
94	6.3	6.3	9.5	
80	9.1	5.2	7.8	





#70

Phenanthrene

Concen: 49.13 ng

RT: 17.06 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Instrument :

BNA_G

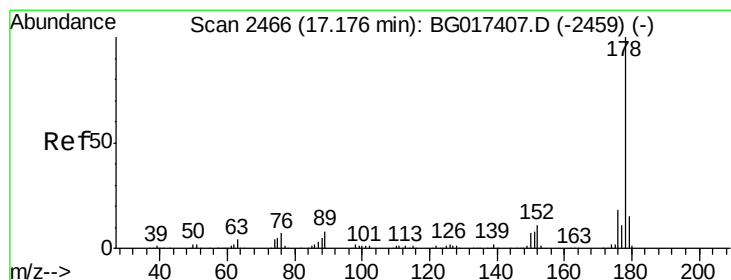
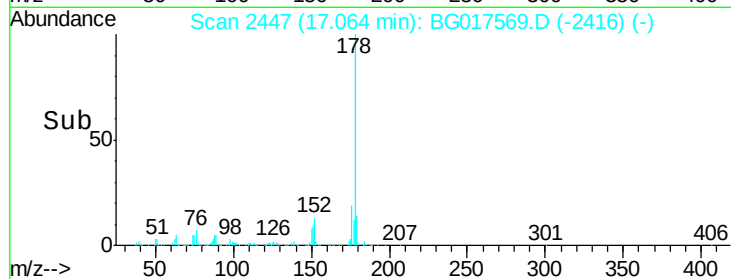
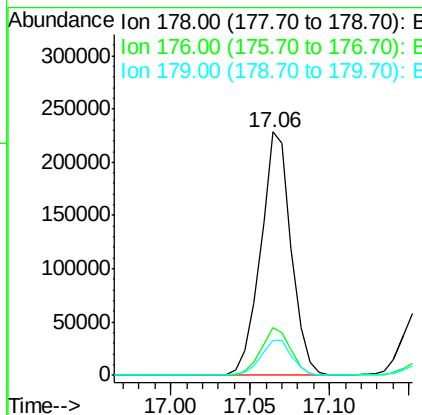
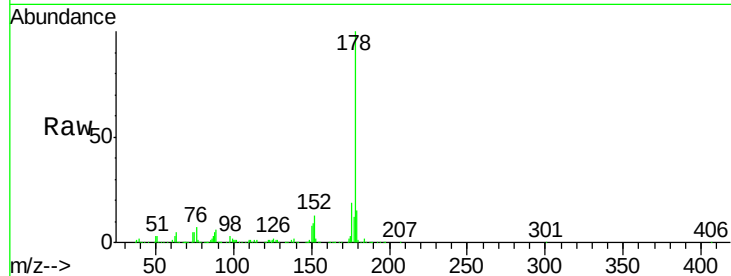
ClientSampleId :

SB-12DDL

Tgt Ion:	178	Resp:	306711
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.6	23.4
179	14.5	12.2	18.2

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#71

Anthracene

Concen: 13.00 ng

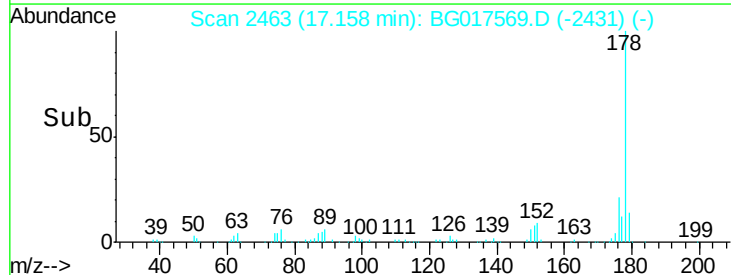
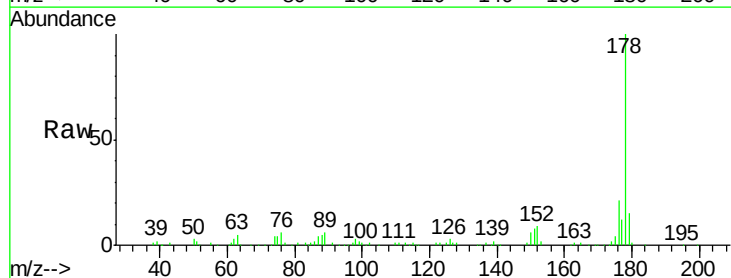
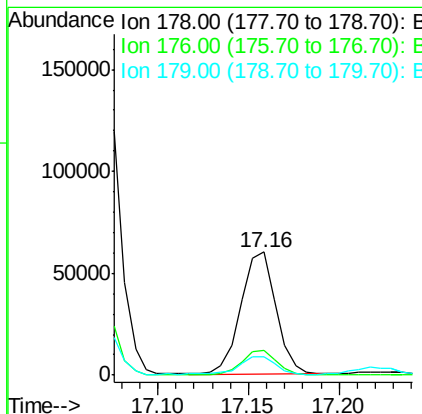
RT: 17.16 min Scan# 2463

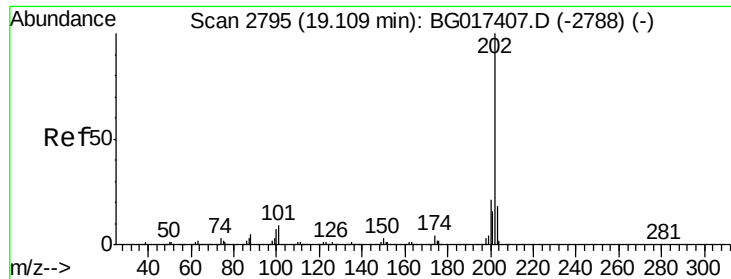
Delta R.T. -0.01 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Tgt Ion:	178	Resp:	81093
Ion Ratio	Lower	Upper	
178	100		
176	20.6	14.2	21.2
179	15.1	12.2	18.4





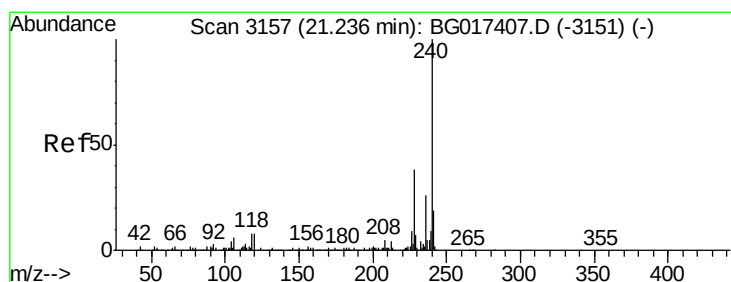
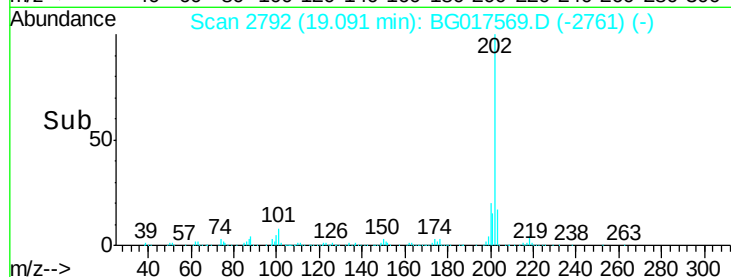
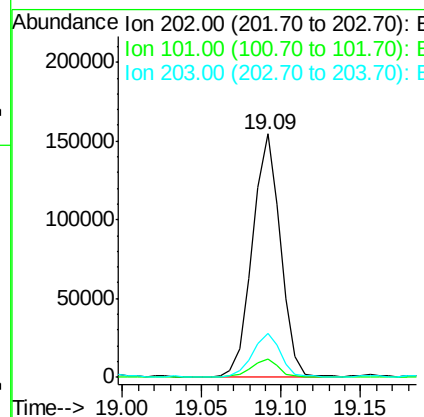
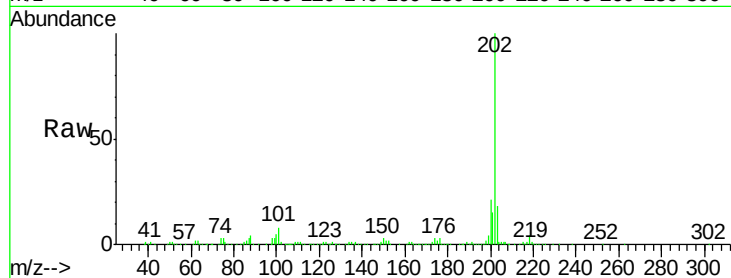
#74
Fluoranthene
Concen: 23.10 ng
RT: 19.09 min Scan# 2792
Delta R.T. -0.02 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Instrument :
BNA_G
ClientSampleId :
SB-12DDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.8	0.0	28.8
203	17.9	0.0	37.6

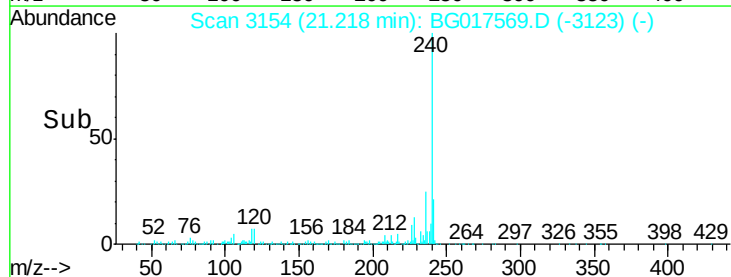
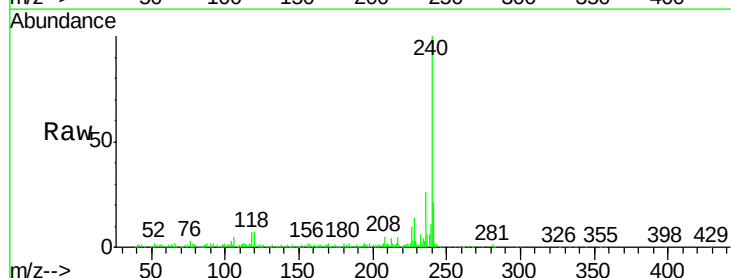
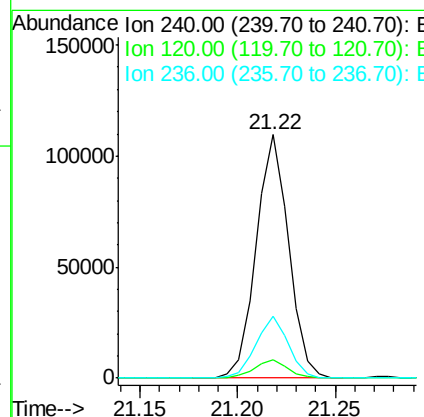
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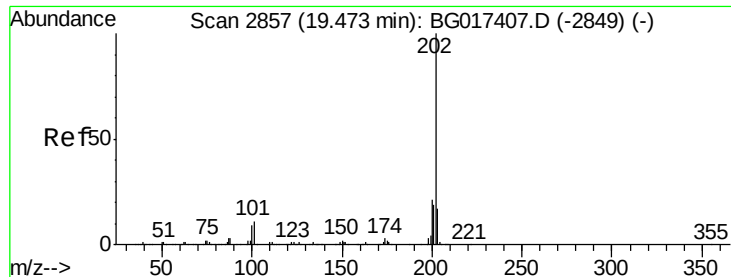
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.22 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.4	6.5	9.7
236	25.6	20.8	31.2





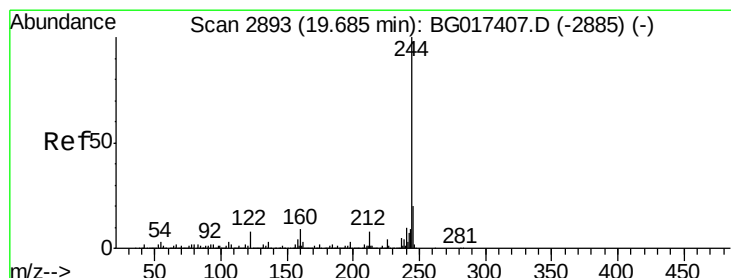
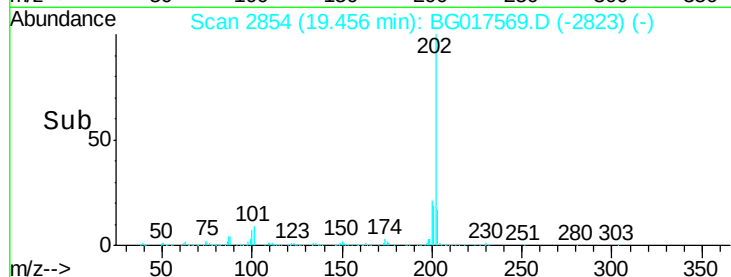
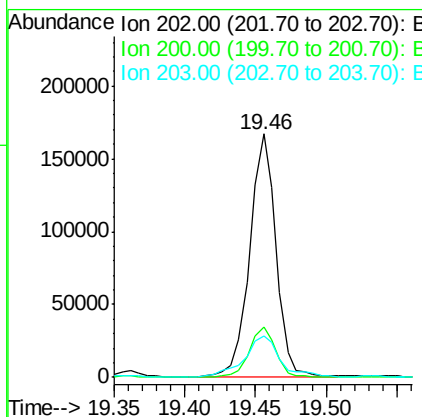
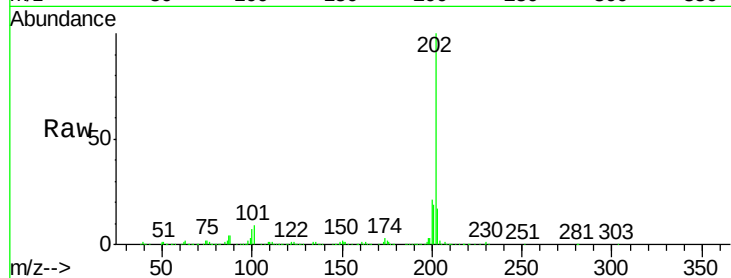
#77
 Pyrene
 Concen: 28.11 ng
 RT: 19.46 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.0	25.4
203	16.8	13.9	20.9

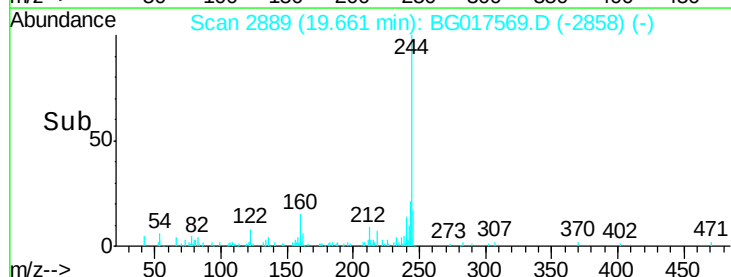
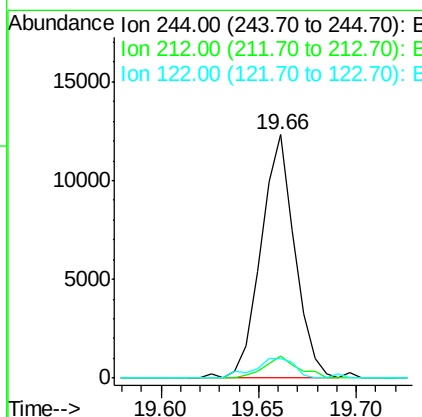
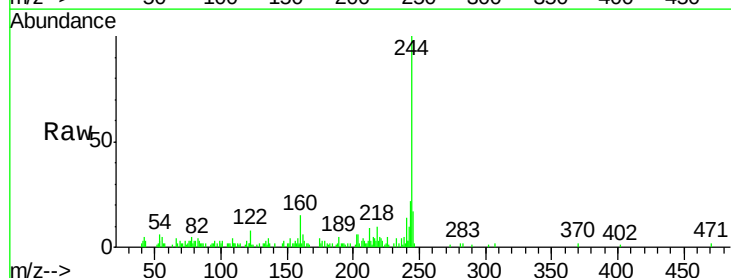
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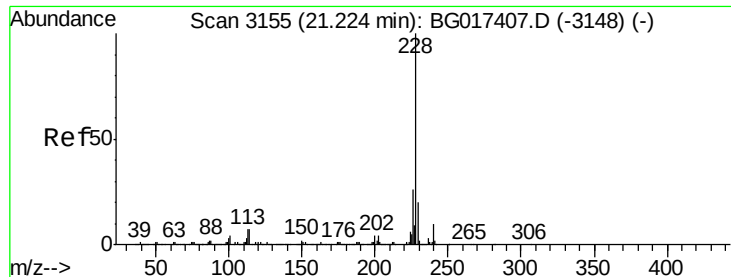
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#78
 Terphenyl-d14
 Concen: 2.41 ng
 RT: 19.66 min Scan# 2889
 Delta R.T. -0.02 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.3	6.4	9.6
122	8.1	6.6	10.0





#80

Benzo(a)anthracene

Concen: 12.19 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Instrument :

BNA_G

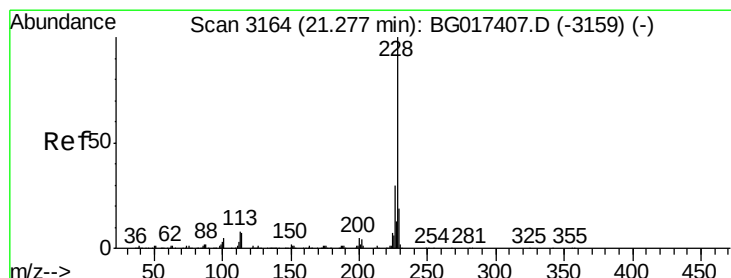
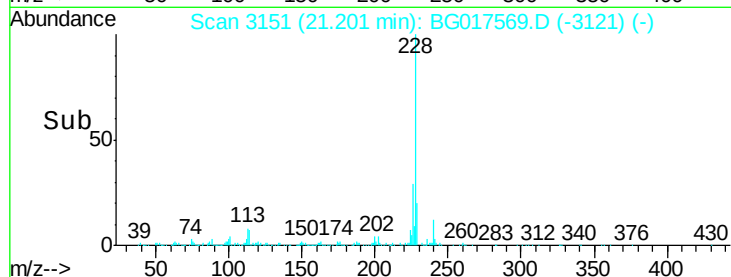
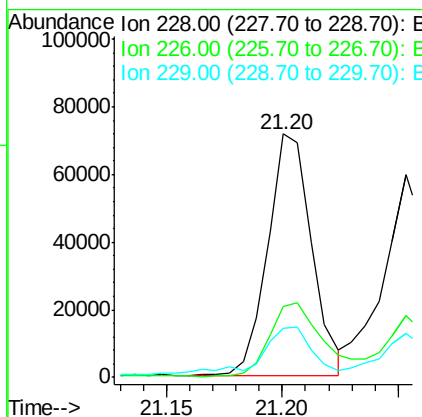
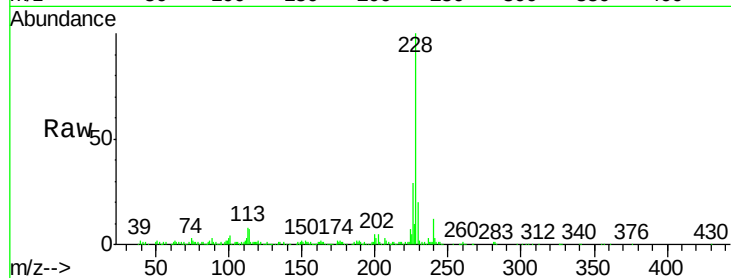
ClientSampled :

SB-12DDL

Tgt Ion:	228	Resp:	94562
Ion Ratio	Lower	Upper	
228	100		
226	29.2	21.0	31.6
229	20.1	15.7	23.5

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#82

Chrysene

Concen: 11.30 ng

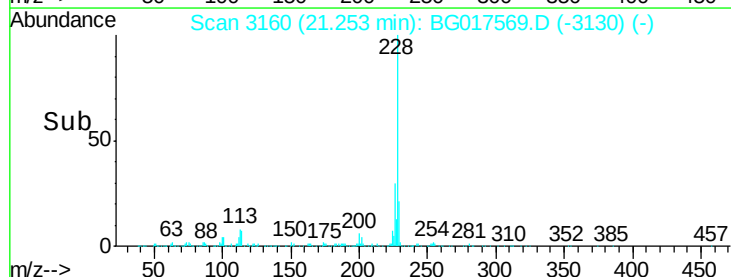
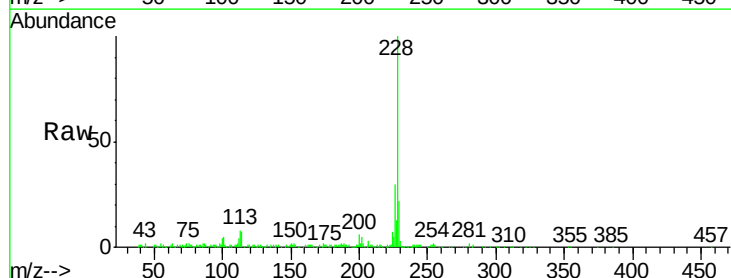
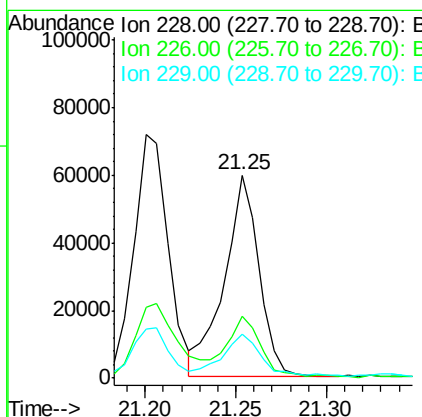
RT: 21.25 min Scan# 3160

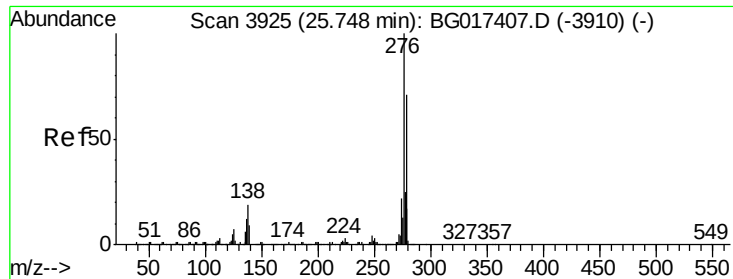
Delta R.T. -0.02 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Tgt Ion:	228	Resp:	79372
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.7	35.5
229	21.5	15.2	22.8





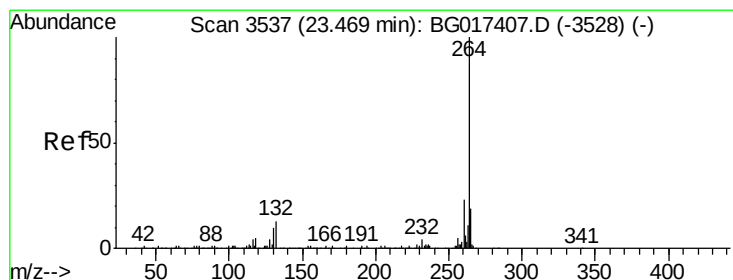
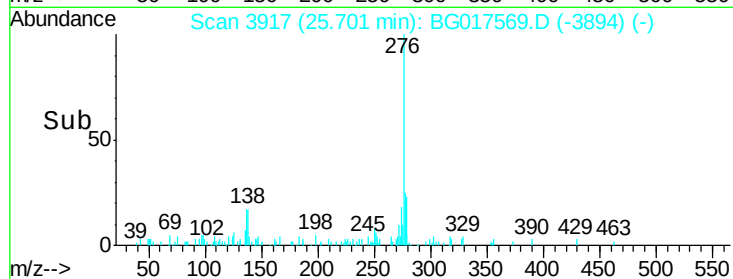
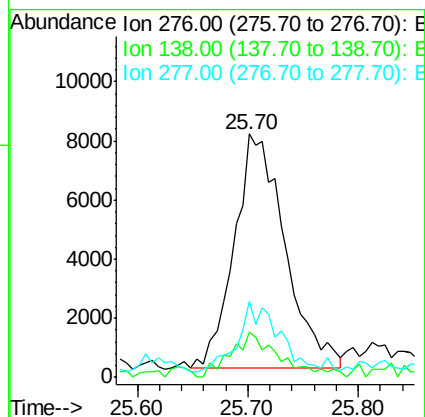
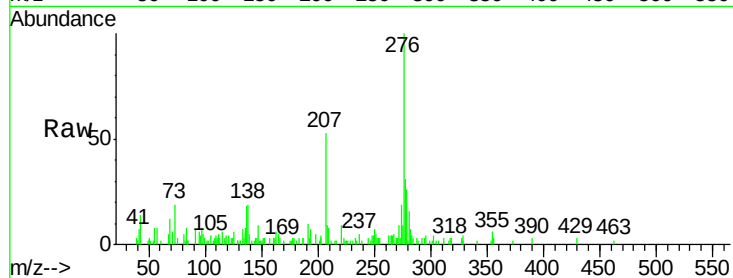
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.87 ng
 RT: 25.70 min Scan# 3917
 Delta R.T. -0.07 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 SB-12DDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	15.4	23.0
277	24.2	20.5	30.7

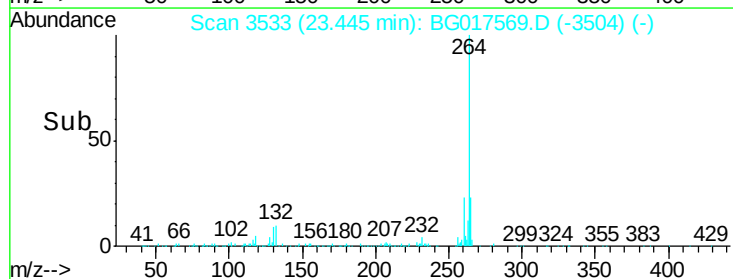
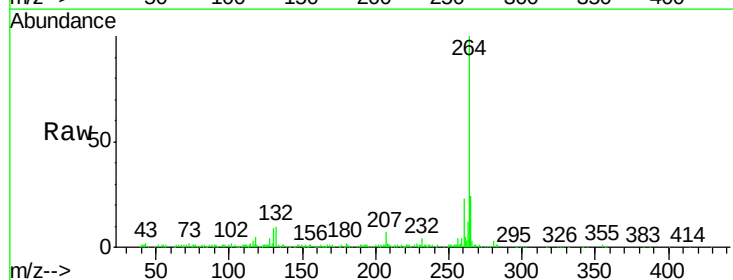
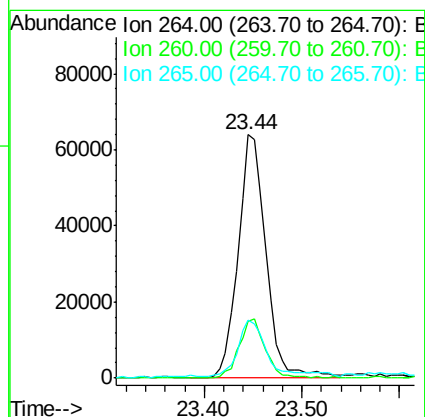
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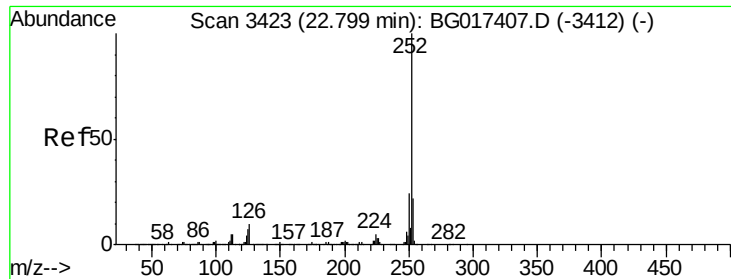
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.44 min Scan# 3533
 Delta R.T. -0.03 min
 Lab File: BG017569.D
 Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	23.7	15.8	23.6#





#87

Benzo(b)fluoranthene

Concen: 9.60 ng m

RT: 22.78 min Scan# 3420

Delta R.T. -0.02 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Instrument :

BNA_G

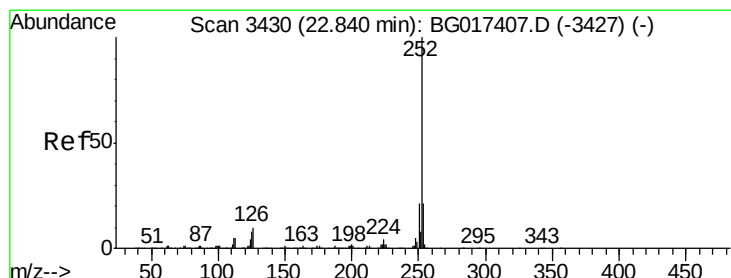
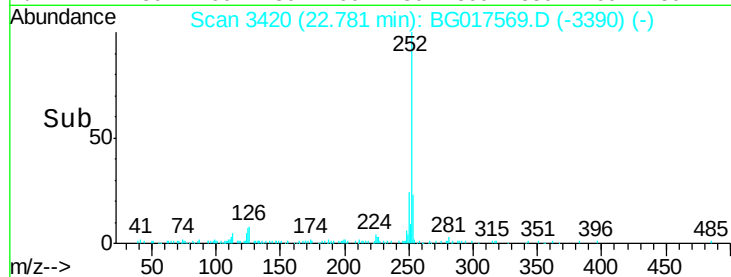
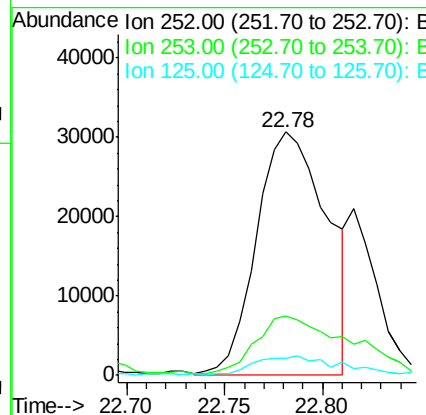
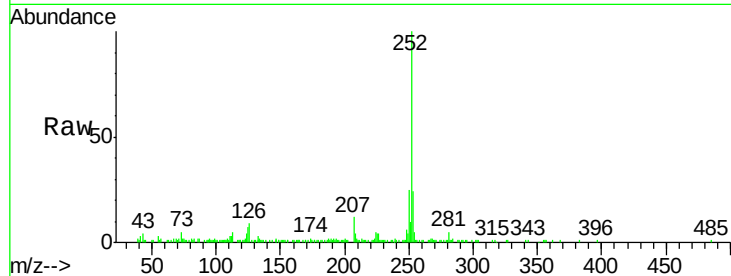
ClientSampleId :

SB-12DDL

Tgt Ion:	252	Resp:	77657
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.2
125	7.2	5.8	8.8

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#88

Benzo(k)fluoranthene

Concen: 2.86 ng m

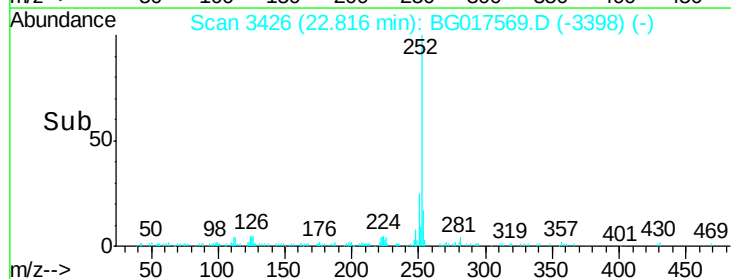
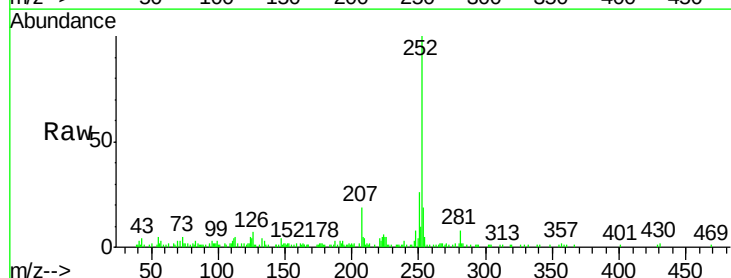
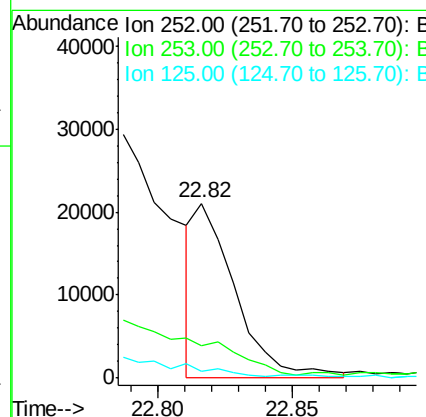
RT: 22.82 min Scan# 3426

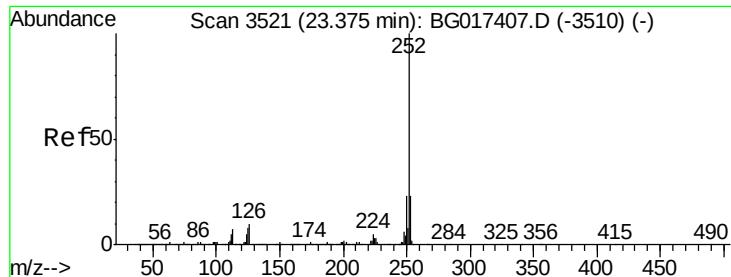
Delta R.T. -0.04 min

Lab File: BG017569.D

Acq: 9 Jun 2015 10:42

Tgt Ion:	252	Resp:	22124
Ion Ratio	Lower	Upper	
252	100		
253	18.8	17.7	26.5
125	4.1	6.5	9.7#





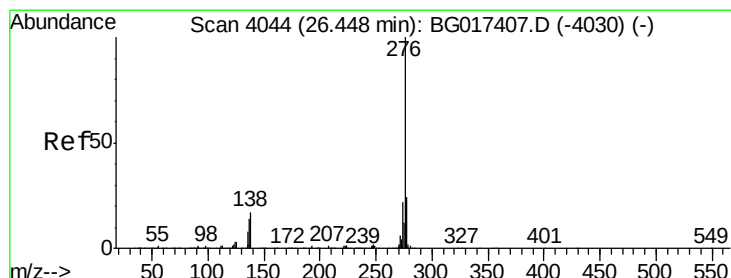
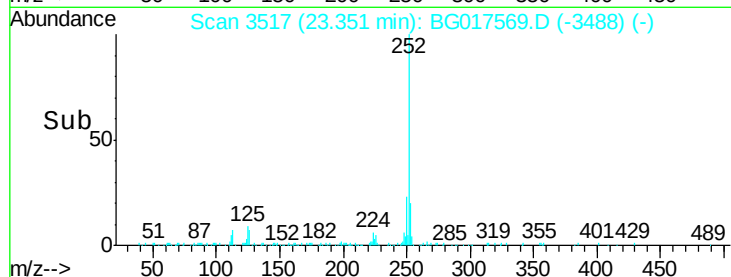
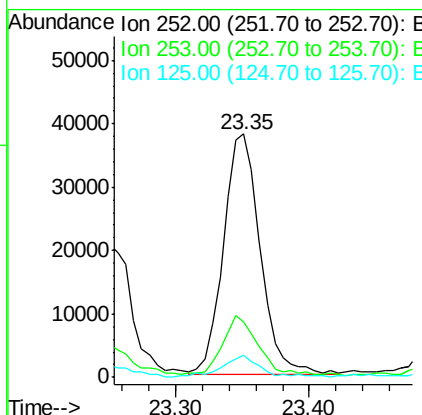
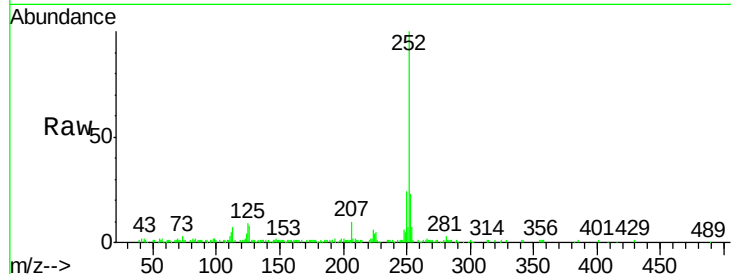
#89
Benzo(a)pyrene
Concen: 9.85 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Instrument :
BNA_G
ClientSampleId :
SB-12DDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.3	6.5	9.7

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#91
Benzo(g,h,i)perylene
Concen: 3.69 ng
RT: 26.41 min Scan# 4037
Delta R.T. -0.07 min
Lab File: BG017569.D
Acq: 9 Jun 2015 10:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	16.8	19.2	28.8#
138	15.6	13.5	20.3

