

Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
 Data File : BG017993.D
 Acq On : 20 Jul 2015 17:39
 Operator : TP/UM
 Sample : G2976-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-5(0-2)DL

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 7/22/2015 9:43:30 AM

Quant Time: Jul 20 19:16:32 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	127614	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	557434	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	329492	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	639133	20.00	ng	0.00
75) Chrysene-d12	21.21	240	646121	20.00	ng	0.00
86) Perylene-d12	23.43	264	679625	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	25123	3.43	ng	0.00
7) Phenol-d6	6.77	99	71798	7.49	ng	0.00
23) Nitrobenzene-d5	8.74	82	42276	4.91	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	3308	0.99	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	107912	5.68	ng	0.00
78) Terphenyl-d14	19.64	244	131847	5.14	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.42	128	195740	7.17	ng	98
37) 2-Methylnaphthalene	12.04	142	92836	4.74	ng	91
45) 1,1'-Biphenyl	13.07	154	42570	1.85	ng	99
51) Acenaphthene	14.31	154	352502	18.67	ng	97
54) Dibenzofuran	14.64	168	397622	14.60	ng	93
57) Fluorene	15.30	166	419394	17.91	ng	97
70) Phenanthrene	17.05	178	2709370m	82.19	ng	
71) Anthracene	17.14	178	987322	30.78	ng	98
72) Carbazole	17.41	167	463813	15.30	ng	97
74) Fluoranthene	19.07	202	2584917	71.62	ng	87
77) Pyrene	19.44	202	2173007	60.30	ng	92
80) Benzo(a)anthracene	21.19	228	1253756	36.74	ng	97
82) Chrysene	21.24	228	1071602	32.97	ng	98
85) Indeno(1,2,3-cd)pyrene	25.69	276	498868	12.69	ng	# 89
87) Benzo(b)fluoranthene	22.76	252	1393382	37.47	ng	99
88) Benzo(k)fluoranthene	22.76	252	1393382	37.53	ng	98
89) Benzo(a)pyrene	23.33	252	992675	28.65	ng	96
90) Dibenzo(a,h)anthracene	25.70	278	115010	3.20	ng	95
91) Benzo(g,h,i)perylene	26.38	276	437454	12.63	ng	98

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

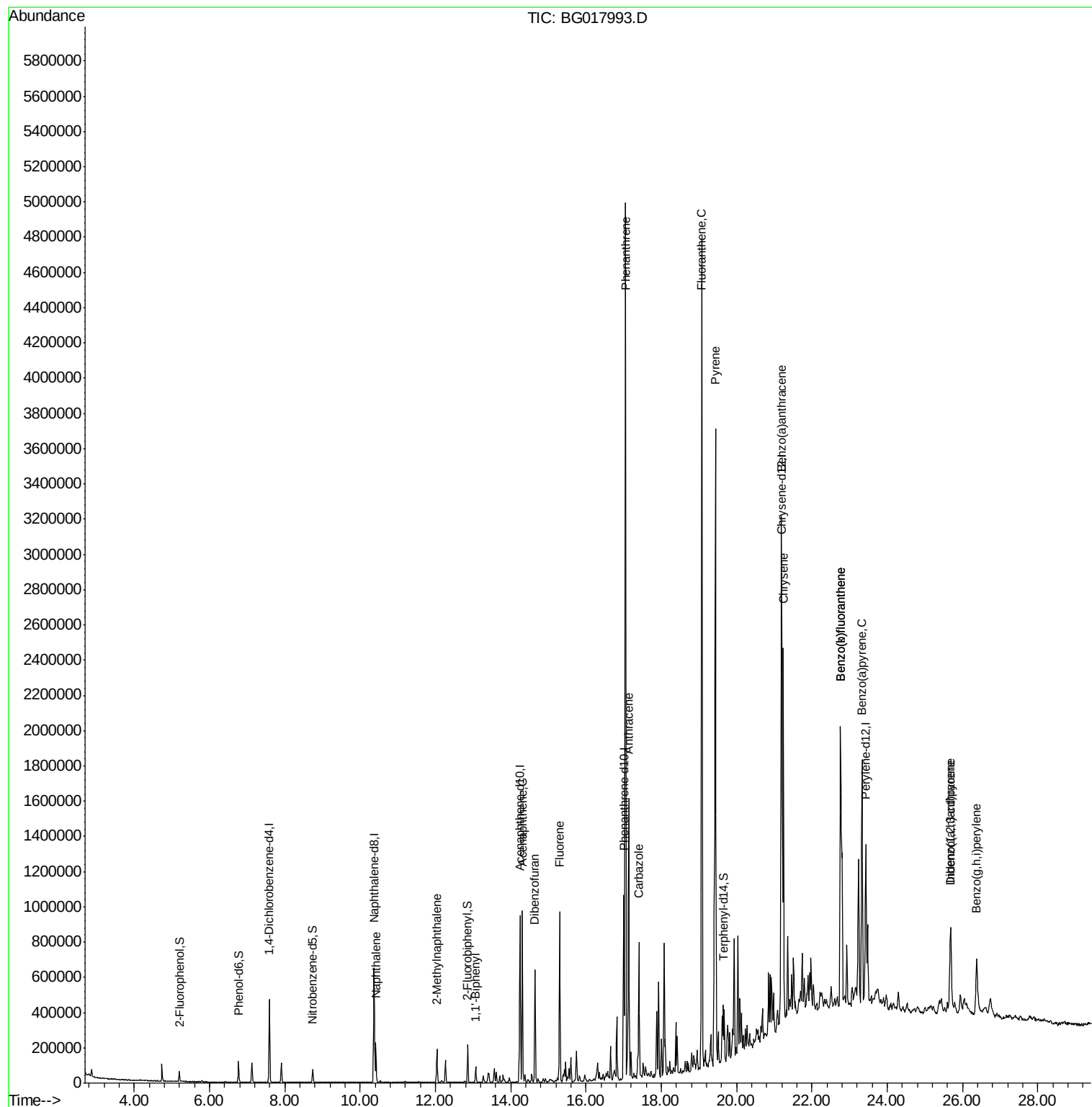
Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
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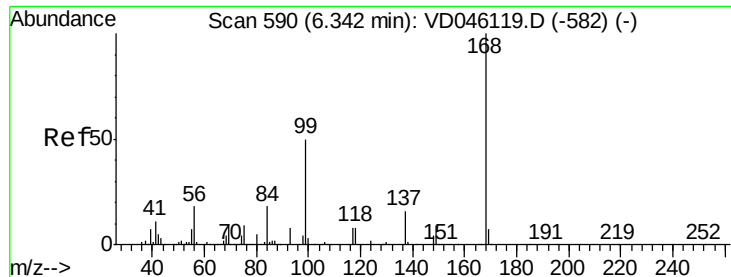
Instrument :
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BRIDGE14-5(0-2)DL

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QLast Update : Sat Jul 18 01:50:30 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.59 min Scan# 834

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

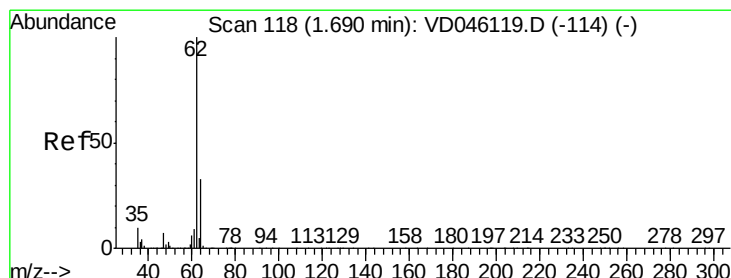
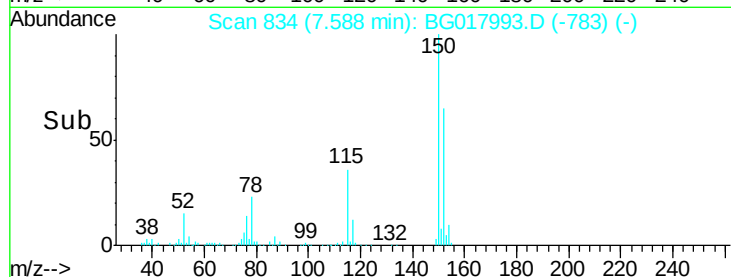
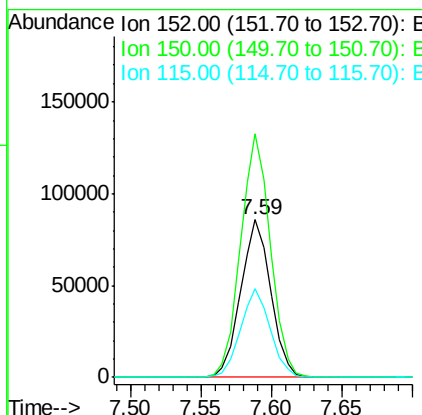
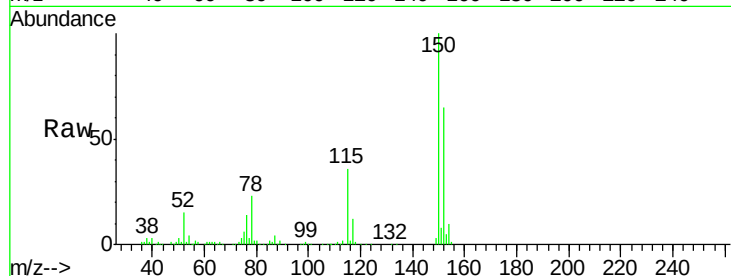
ClientSampleId :

BRIDGE14-5(0-2)DL

Tgt	Ion	152	Resp:	127614
Ion	Ratio	Lower	Upper	
152	100			
150	154.7	119.1	178.7	
115	56.4	47.0	70.4	

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#5

2-Fluorophenol

Concen: Below ng

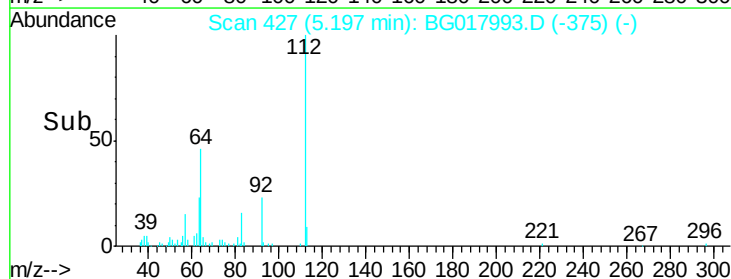
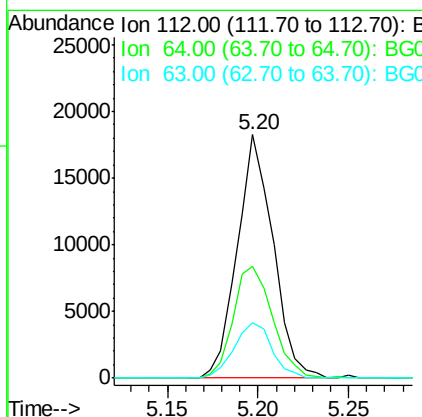
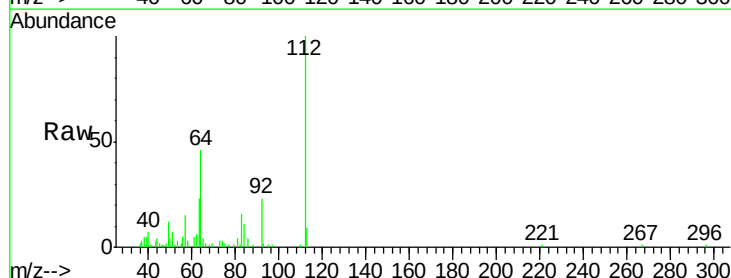
RT: 5.20 min Scan# 427

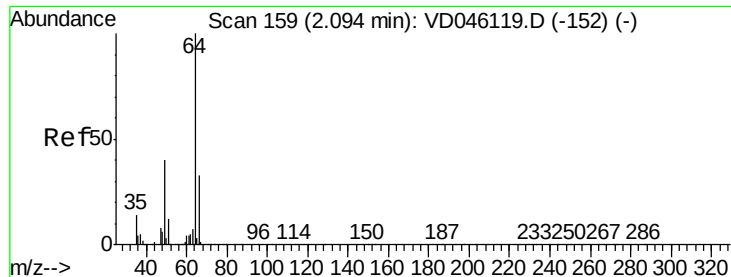
Delta R.T. 0.01 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt	Ion	112	Resp:	25123
Ion	Ratio	Lower	Upper	
112	100			
64	45.7	45.4	68.0	
63	22.8	25.3	37.9	#





#7

Phenol-d6

Concen: Below ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017993.D

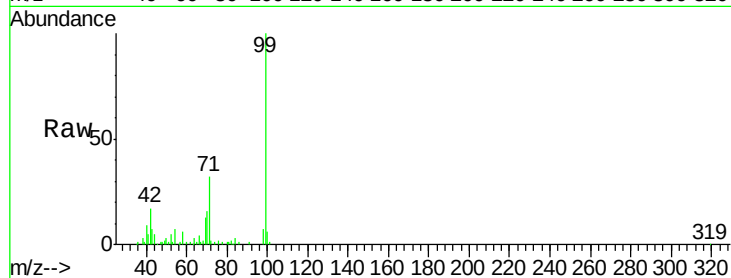
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

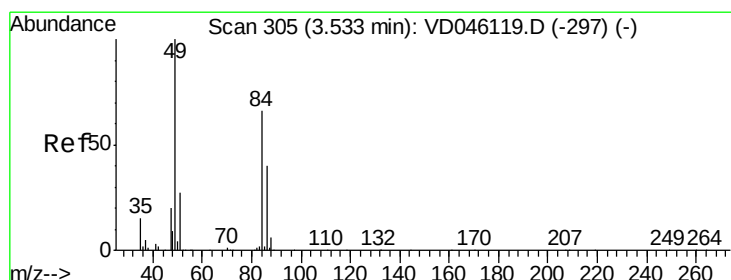
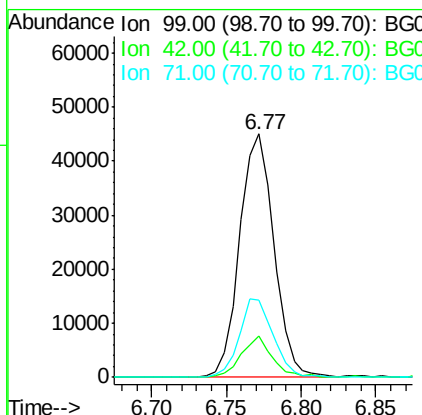
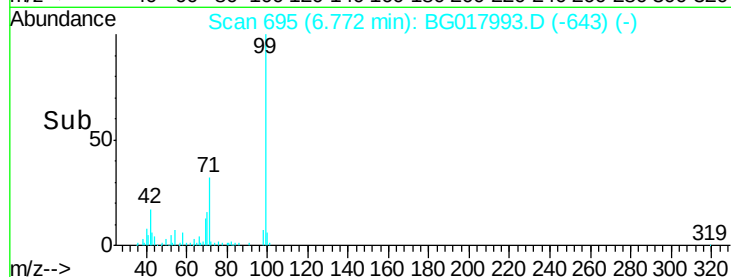
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	71798		
42	16.9	16.2	24.4	
71	31.9	29.5	44.3	

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#21

Naphthalene-d8

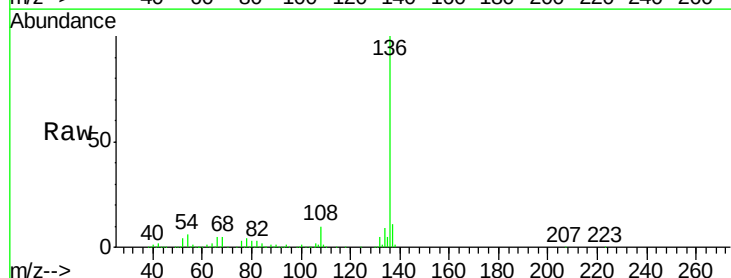
Concen: 20.00 ng

RT: 10.37 min Scan# 1307

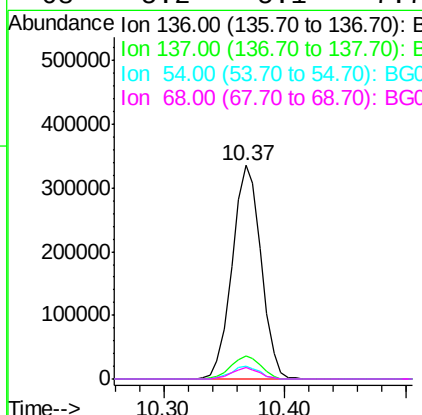
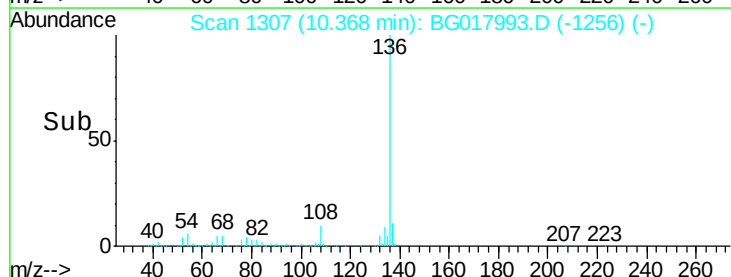
Delta R.T. 0.00 min

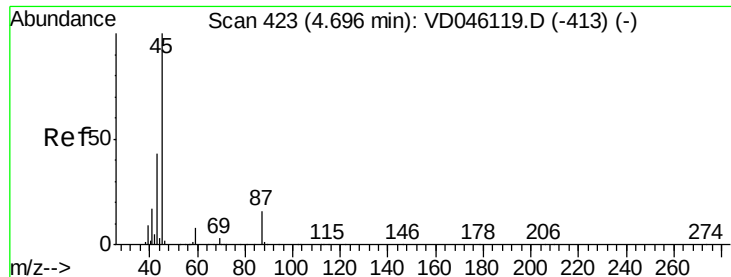
Lab File: BG017993.D

Acq: 20 Jul 2015 17:39



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	557434		
137	10.8	8.8	13.2	
54	6.1	6.6	9.8	
68	5.2	5.1	7.7	





#23

Nitrobenzene-d5

Concen: Below ng

RT: 8.74 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

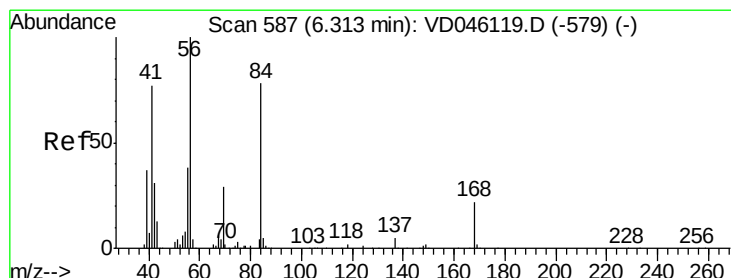
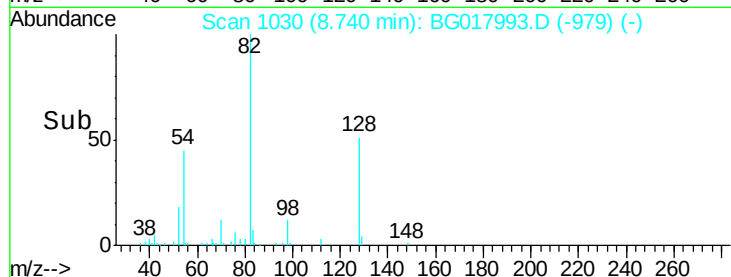
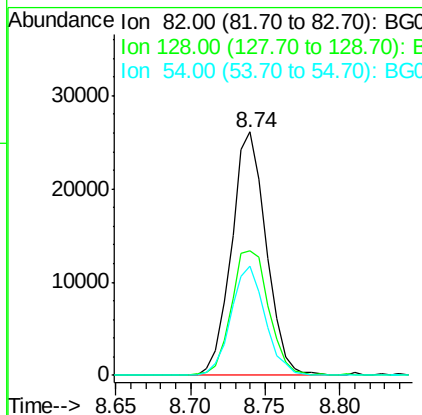
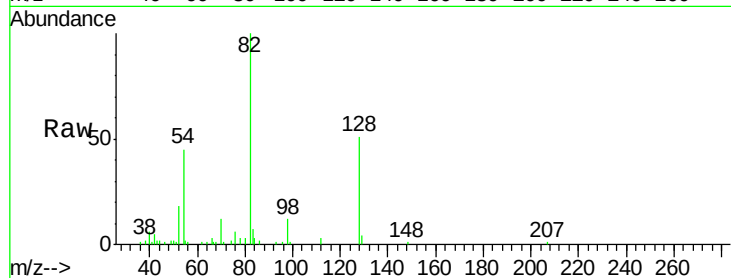
ClientSampleId :

BRIDGE14-5(0-2)DL

Tgt Ion:	82	Resp:	42276
Ion Ratio	Lower	Upper	
82	100		
128	51.4	37.8	56.6
54	44.7	39.9	59.9

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#31

Naphthalene

Concen: 7.17 ng

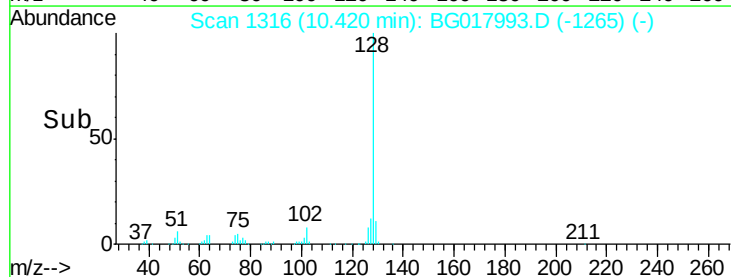
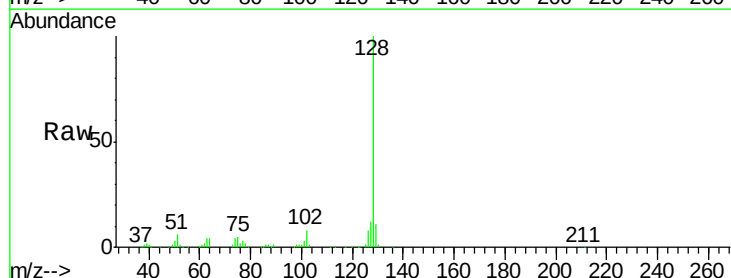
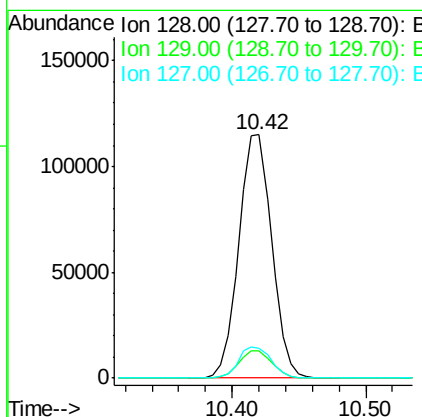
RT: 10.42 min Scan# 1316

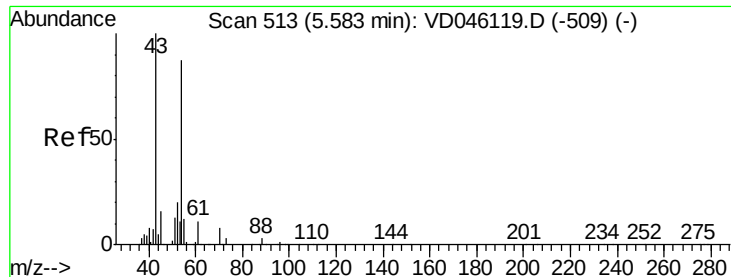
Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

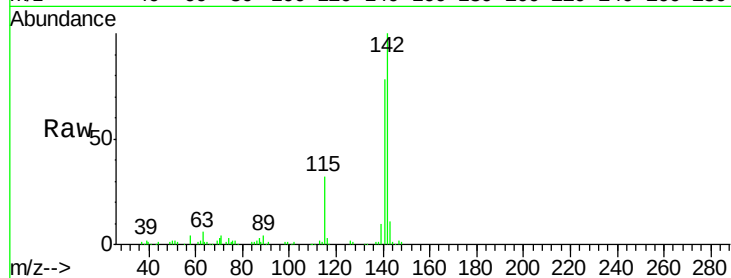
Tgt Ion:	128	Resp:	195740
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.6
127	12.4	10.7	16.1





#37
 2-Methylnaphthalene
 Concen: 4.74 ng
 RT: 12.04 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

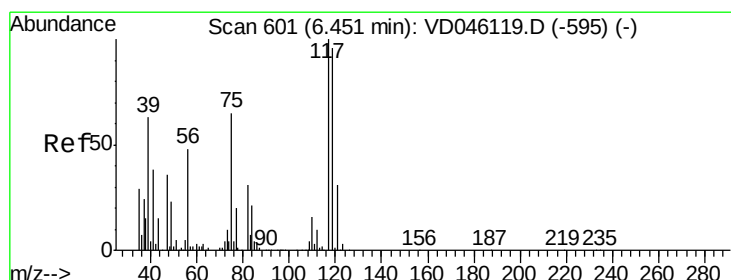
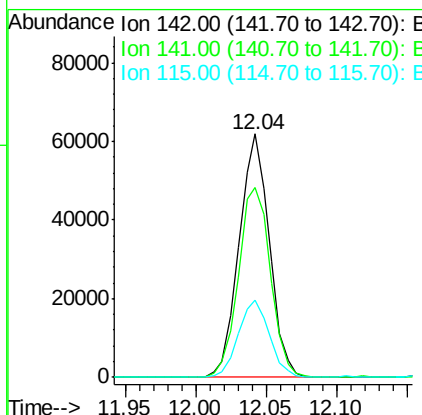
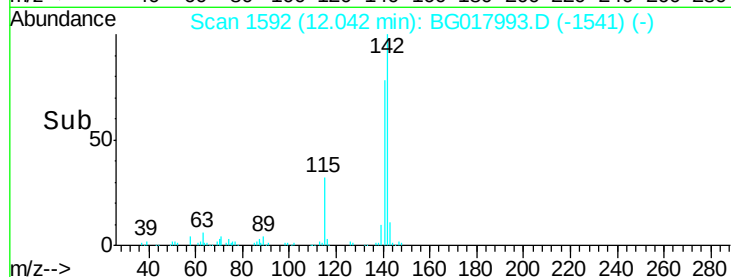
Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92836		
141	78.1	70.7	106.1	
115	31.8	27.8	41.8	

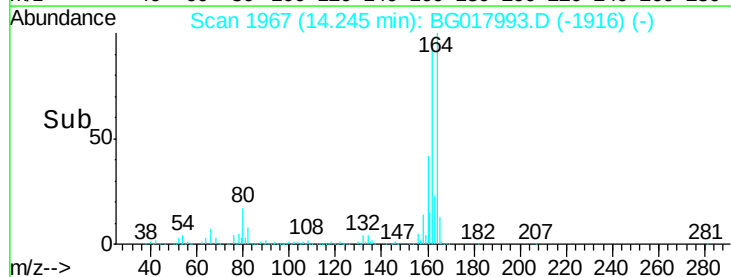
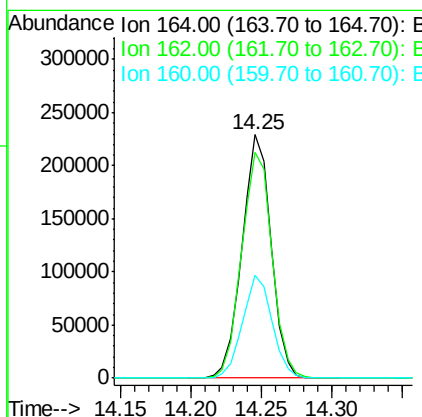
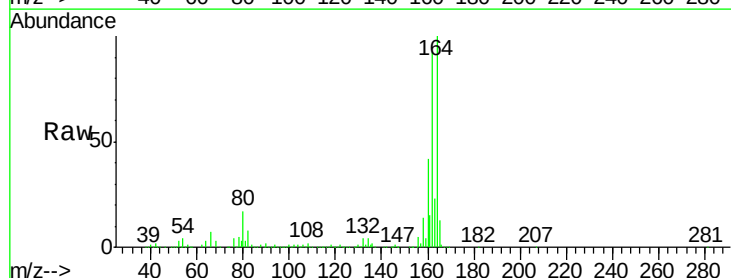
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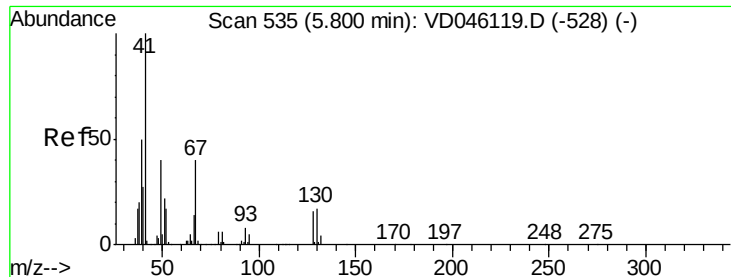
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.25 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	329492		
162	93.0	76.3	114.5	
160	42.3	33.7	50.5	





#41

2,4,6-Tribromophenol

Concen: Below ng

RT: 15.74 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG017993.D

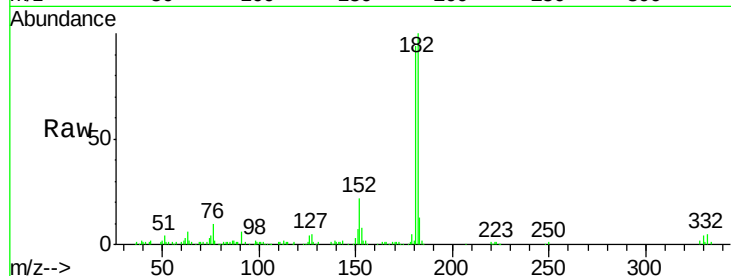
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Instrument :

BNA_G

ClientSampleId :

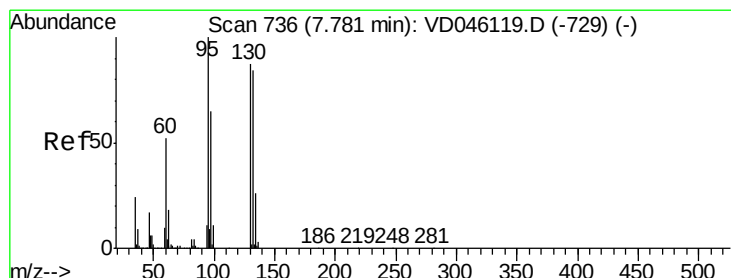
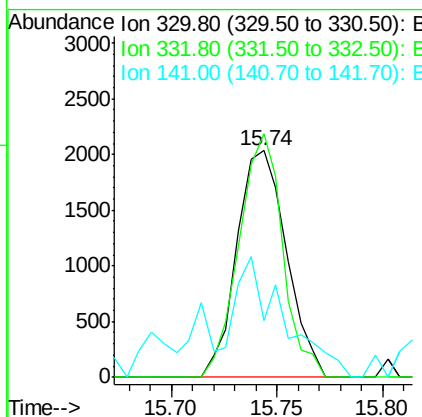
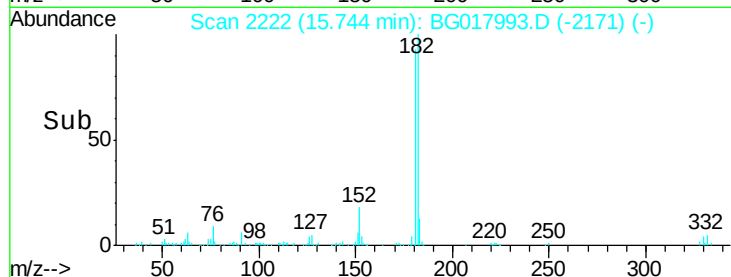
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3308		
332	94.8	76.8	115.2	
141	52.8	38.0	57.0	

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#44

2-Fluorobiphenyl

Concen: N.D. ng

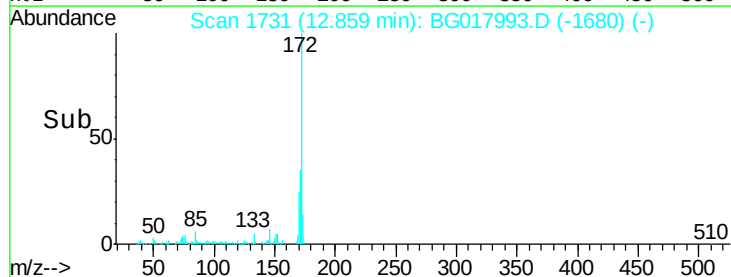
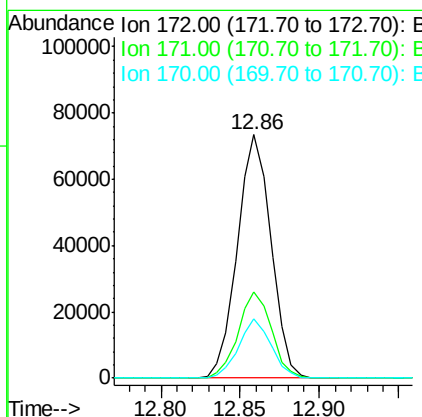
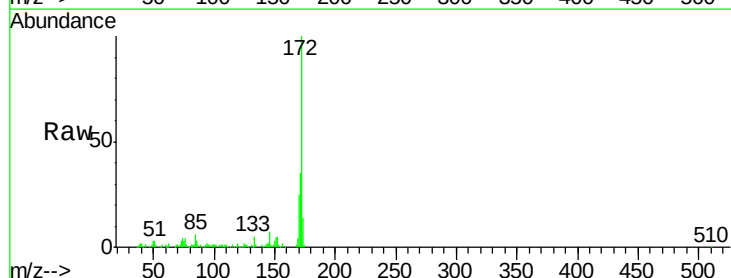
RT: 12.86 min Scan# 1731

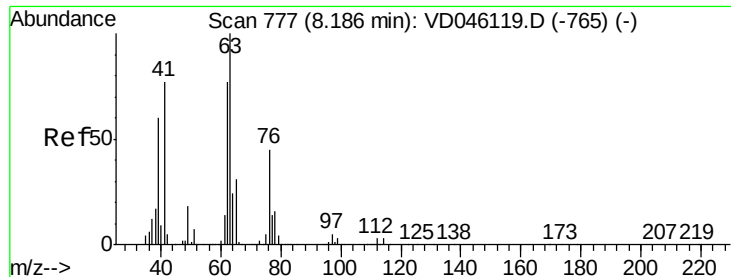
Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	107912		
171	35.4	30.7	46.1	
170	24.5	19.7	29.5	





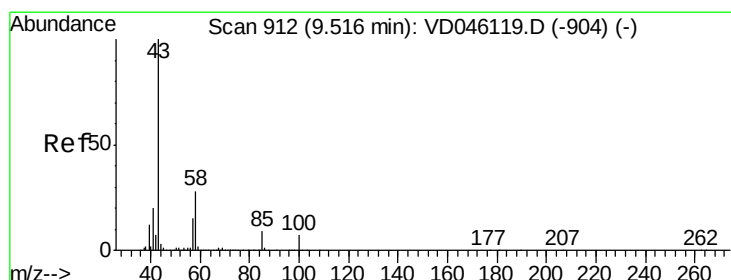
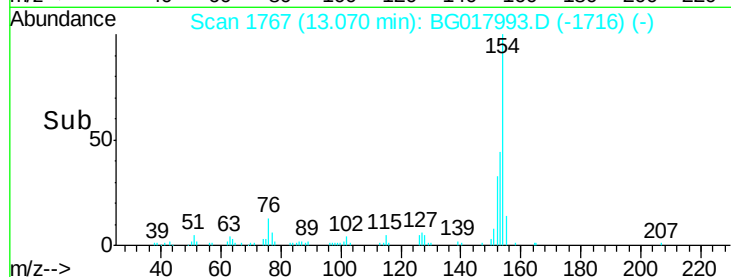
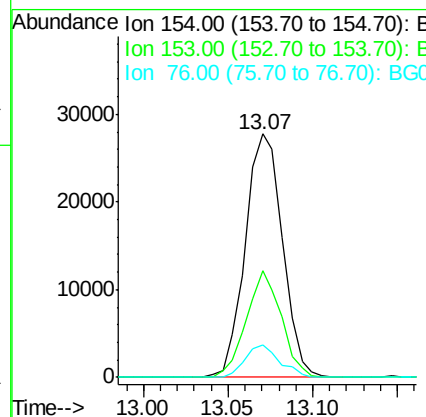
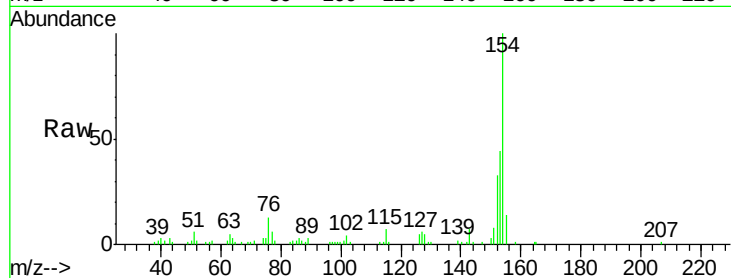
#45
 1,1'-Biphenyl
 Concen: 1.85 ng
 RT: 13.07 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.8	23.5	63.5
76	13.3	0.0	33.7

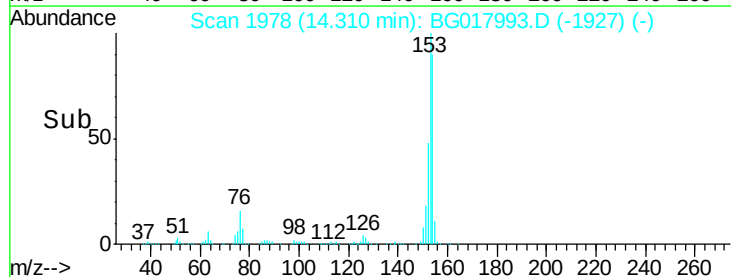
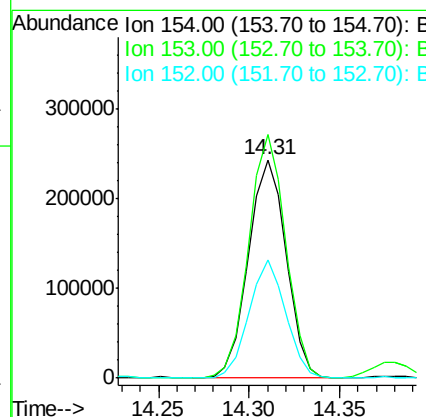
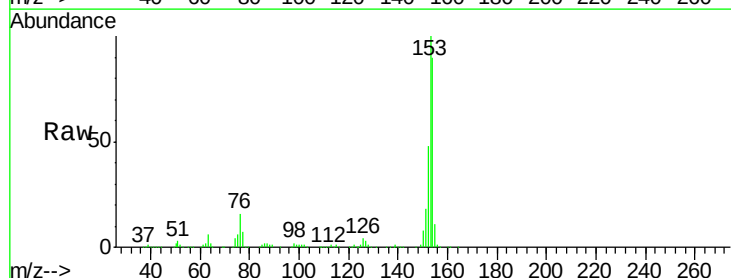
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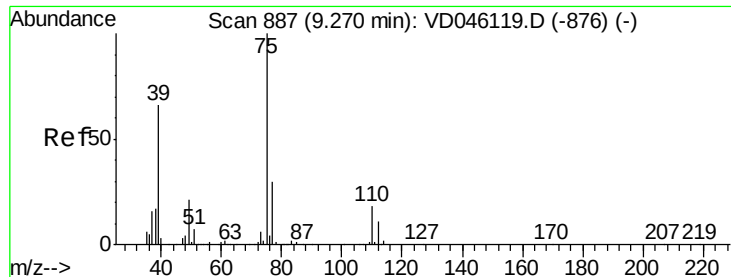
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#51
 Acenaphthene
 Concen: 18.67 ng
 RT: 14.31 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.5	87.0	130.4
152	54.0	41.4	62.0





#54

Dibenzenofuran

Concen: 14.60 ng

RT: 14.64 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG017993.D

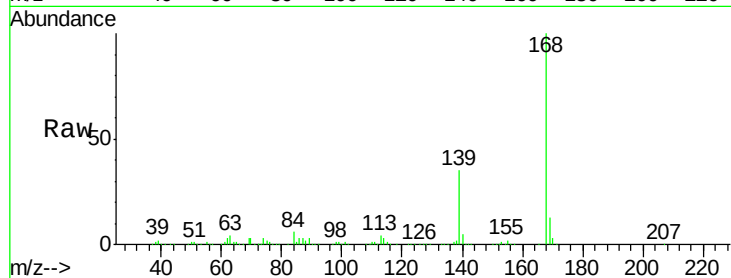
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

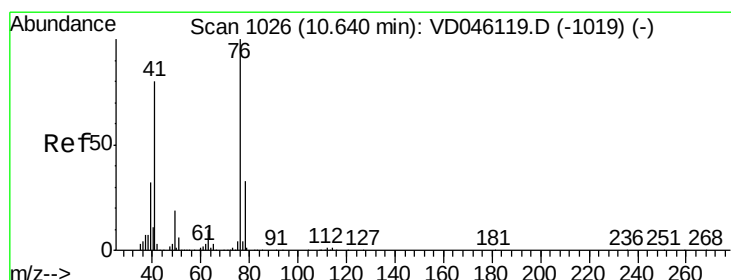
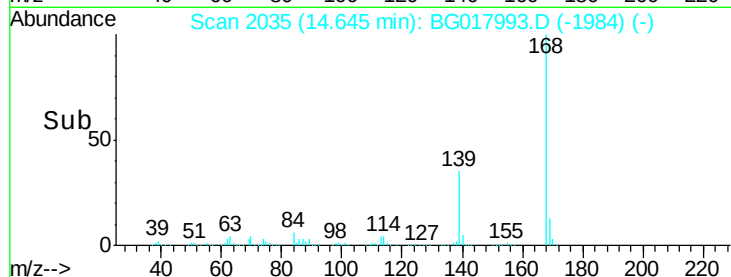
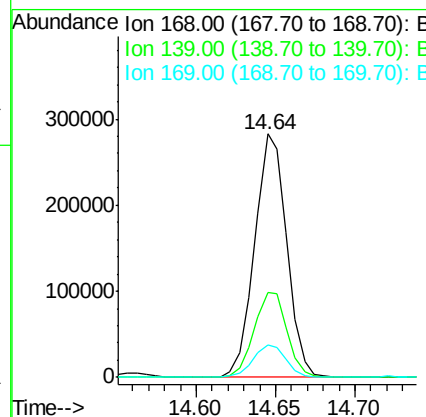
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	397622		
139	34.9	32.2	48.2	
169	13.1	11.3	16.9	

Manual Integrations
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#57

Fluorene

Concen: 17.91 ng

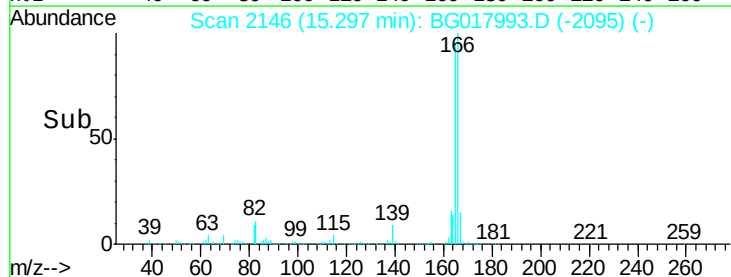
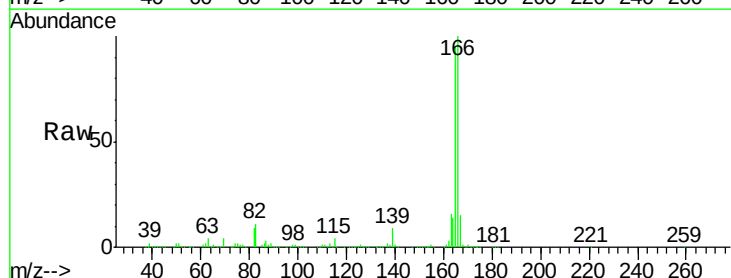
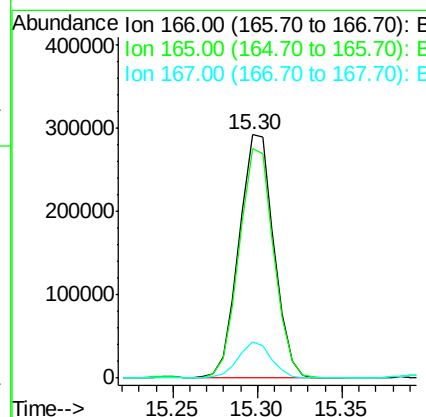
RT: 15.30 min Scan# 2146

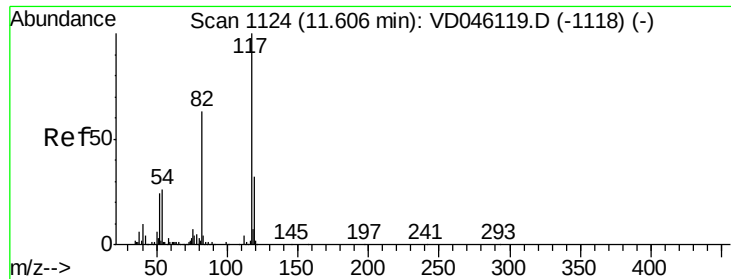
Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	419394		
165	94.5	73.4	110.0	
167	14.8	11.0	16.6	





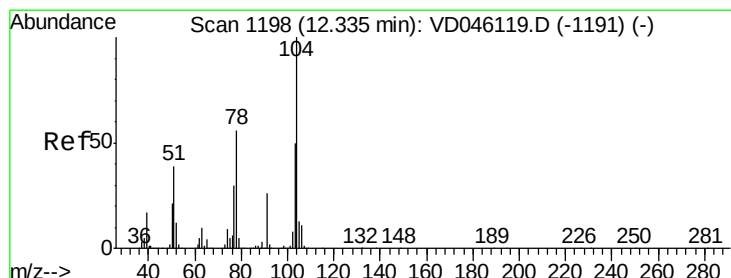
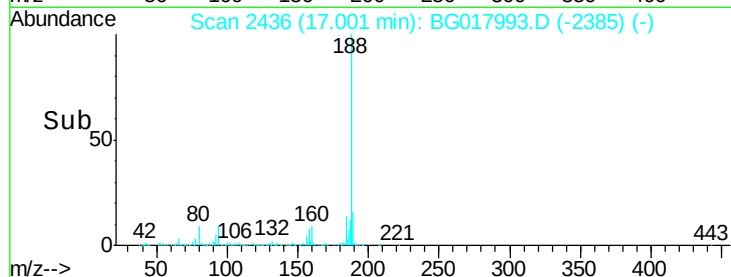
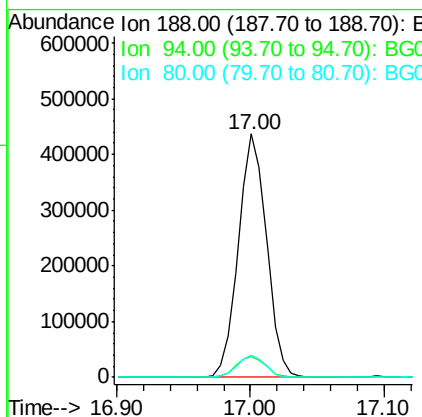
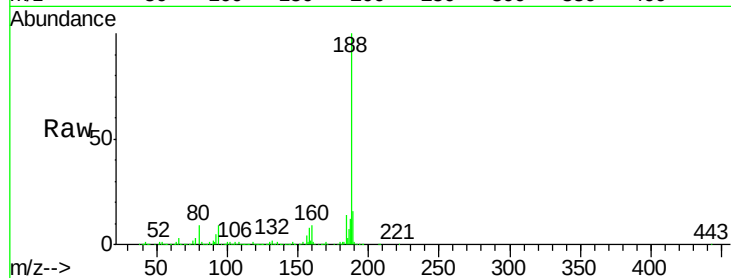
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Instrument :
BNA_G
ClientSampleId :
BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	8.2	12.2
80	9.1	8.2	12.4

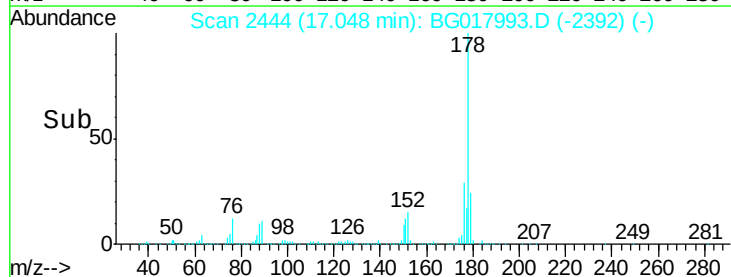
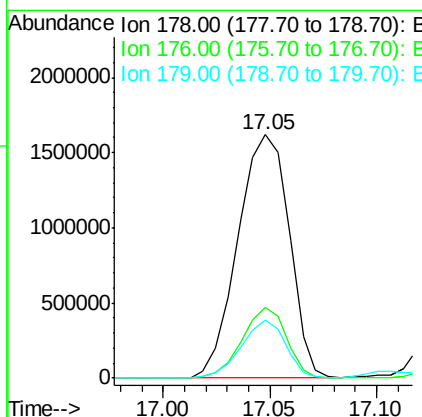
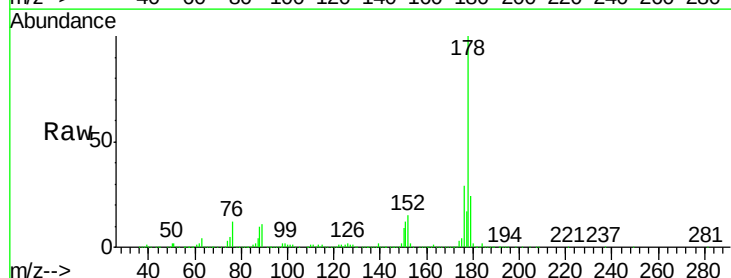
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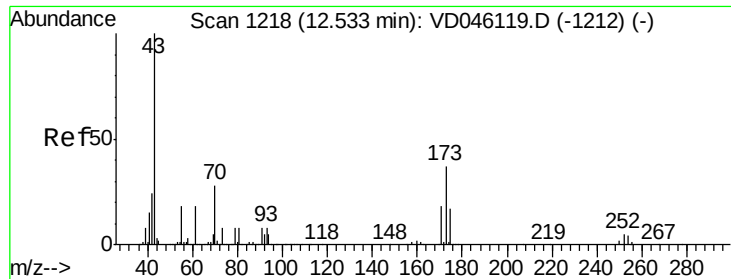
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#70
Phenanthrene
Concen: 82.19 ng m
RT: 17.05 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	28.9	16.5	24.7#
179	23.6	13.5	20.3#





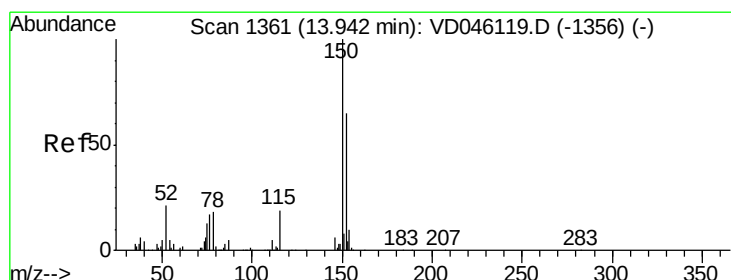
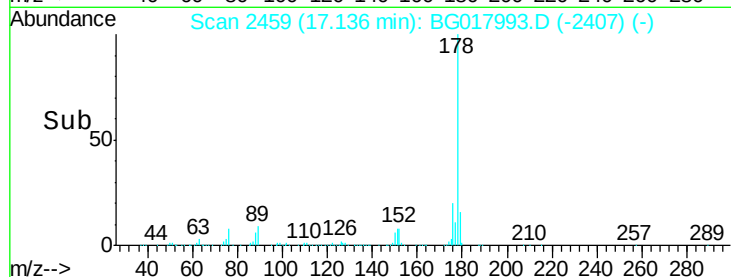
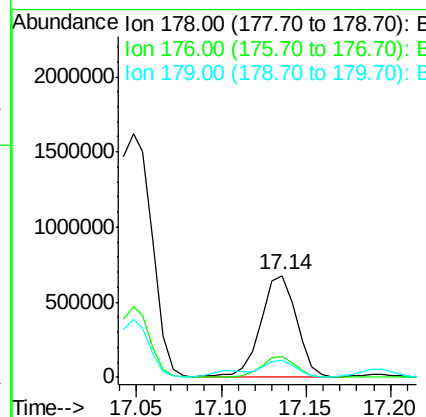
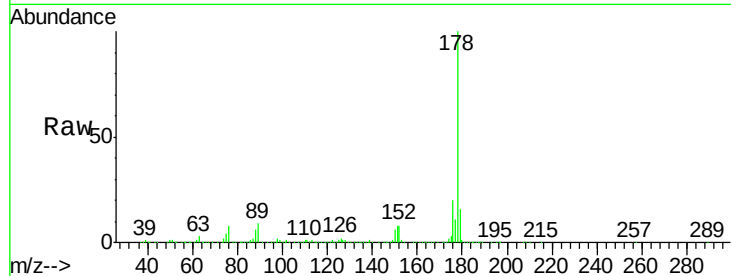
#71
 Anthracene
 Concen: 30.78 ng
 RT: 17.14 min Scan# 2459
 Delta R.T. 0.01 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	987322		
176	20.5	15.2	22.8	
179	16.4	13.6	20.4	

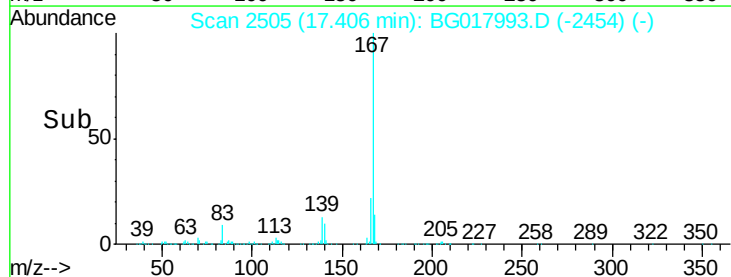
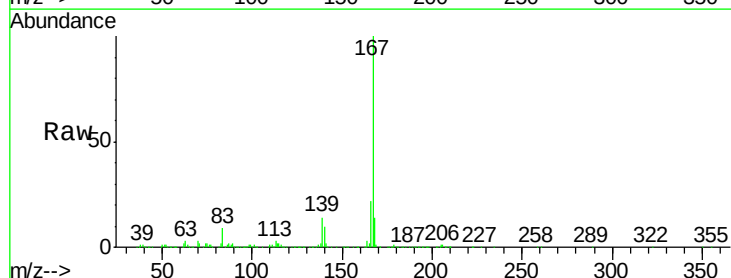
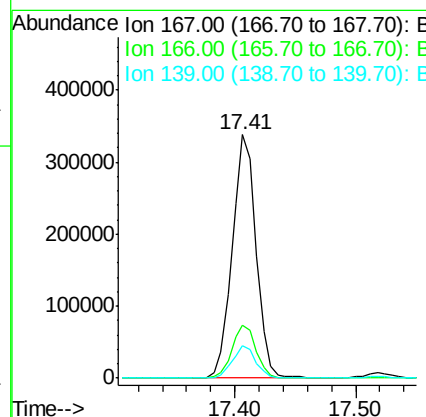
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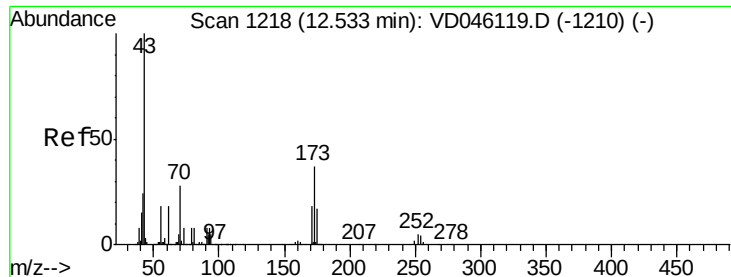
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#72
 Carbazole
 Concen: 15.30 ng
 RT: 17.41 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	463813		
166	21.9	18.3	27.5	
139	13.5	11.9	17.9	





#74

Fluoranthene

Concen: 71.62 ng

RT: 19.07 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG017993.D

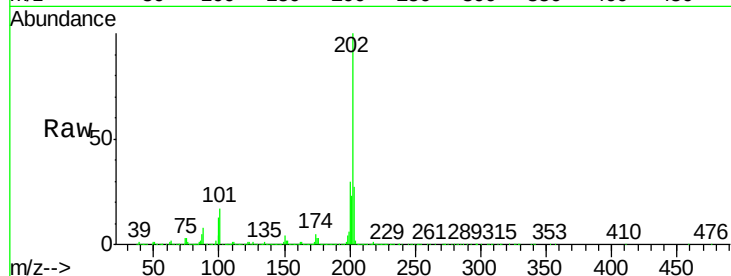
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

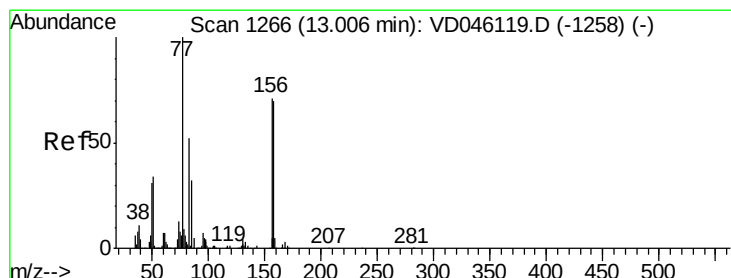
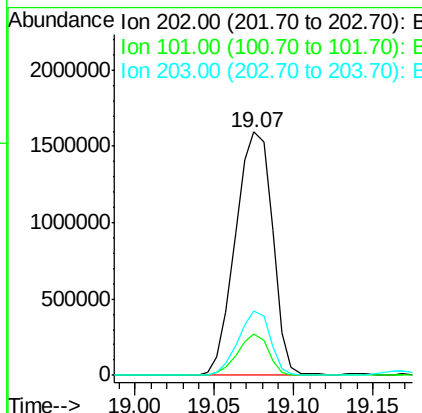
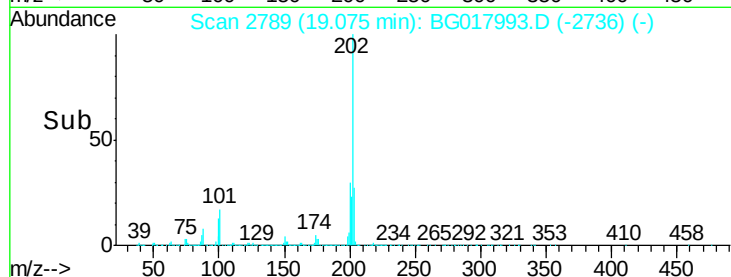
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.8	0.0	33.3
203	26.7	0.0	39.5

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#75

Chrysene-d12

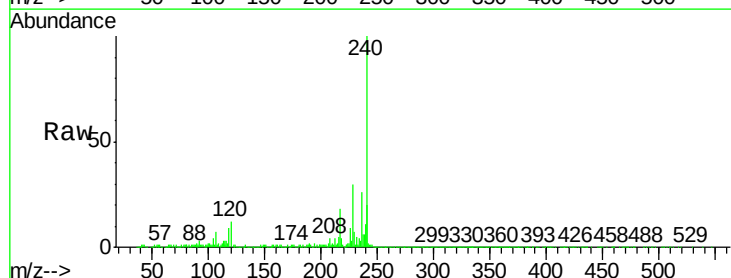
Concen: 20.00 ng

RT: 21.21 min Scan# 3152

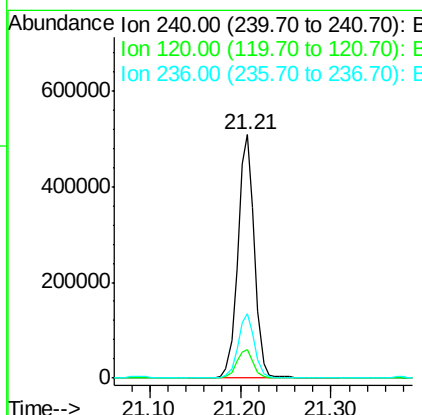
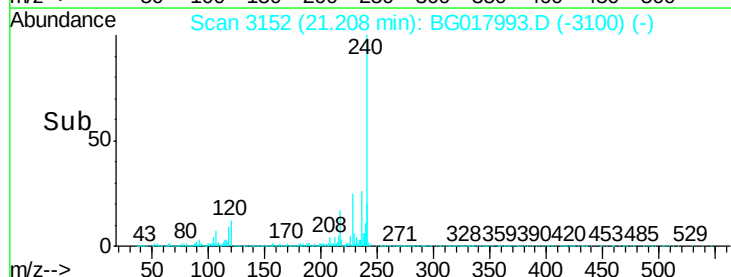
Delta R.T. 0.01 min

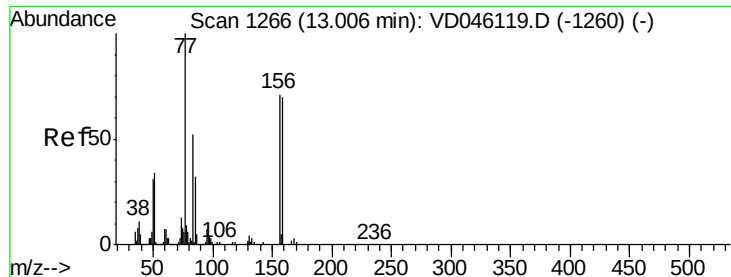
Lab File: BG017993.D

Acq: 20 Jul 2015 17:39



Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.8	16.2
236	26.3	20.0	30.0





#77

Pyrene

Concen: 60.30 ng

RT: 19.44 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG017993.D

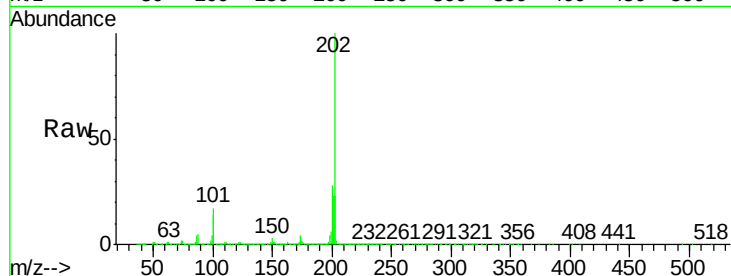
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

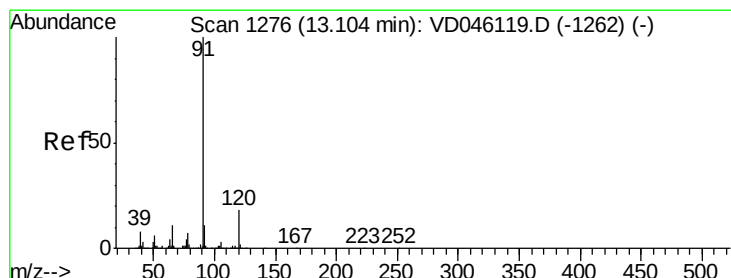
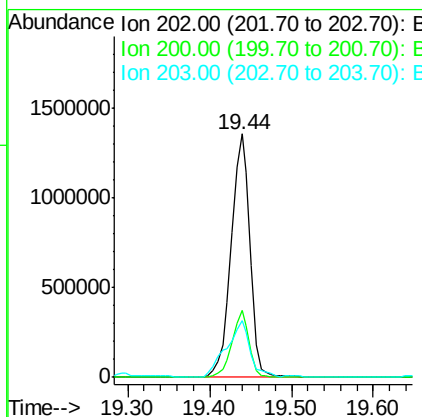
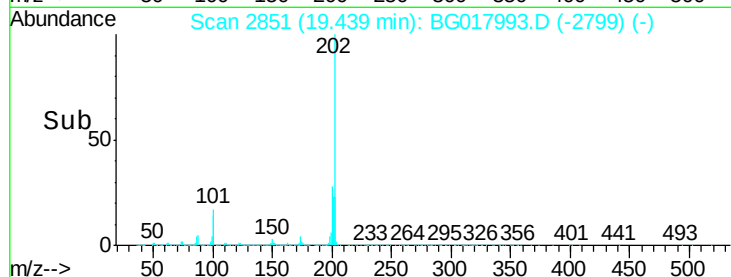
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Lower	Upper
202	100		
200	27.6	18.8	28.2
203	23.3	15.9	23.9

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#78

Terphenyl-d14

Concen: 60.30 ng

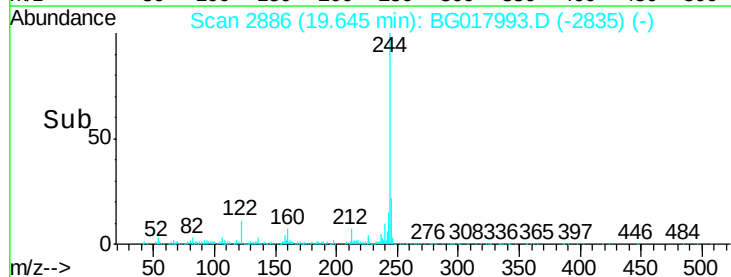
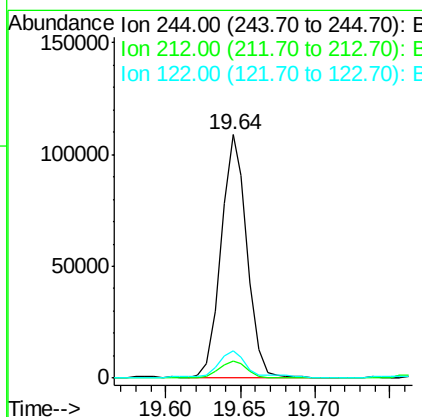
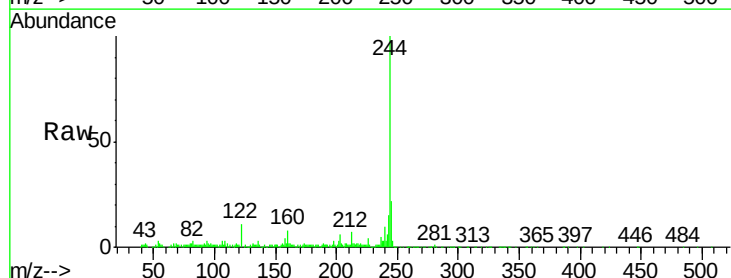
RT: 19.64 min Scan# 2886

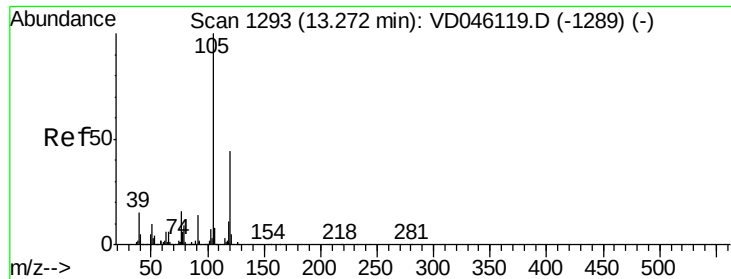
Delta R.T. 0.00 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	7.2	10.8#
122	11.1	12.8	19.2#





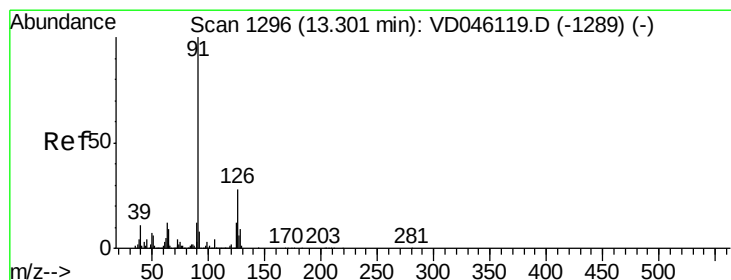
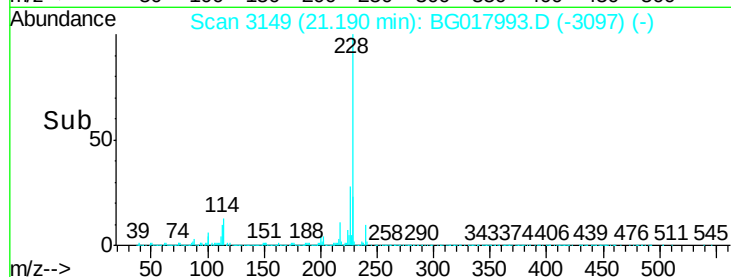
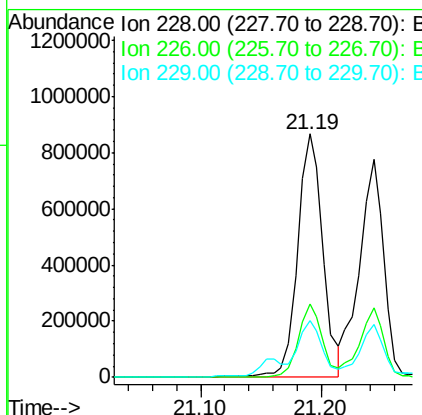
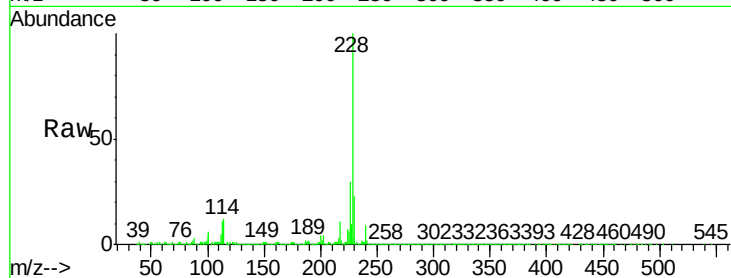
#80
Benzo(a)anthracene
Concen: 36.74 ng
RT: 21.19 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Instrument :
BNA_G
ClientSampleId :
BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.1	34.7
229	23.3	17.4	26.0

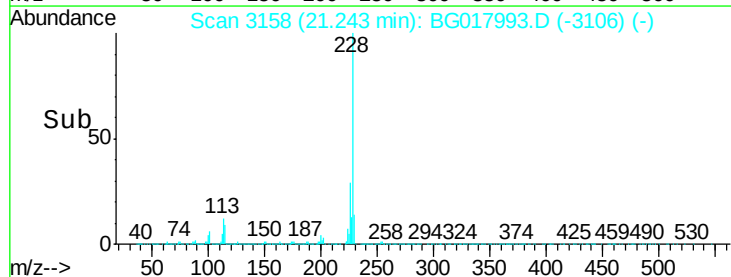
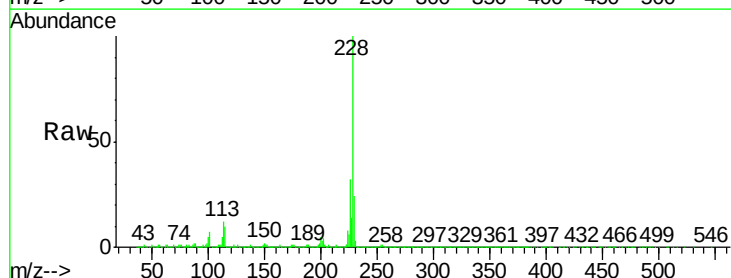
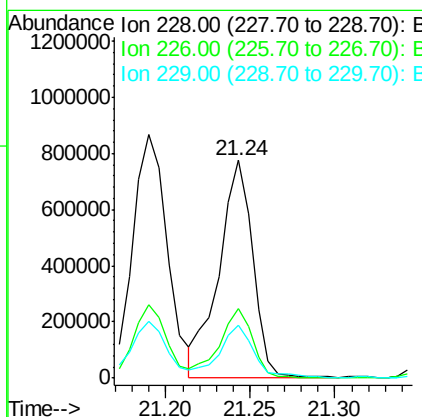
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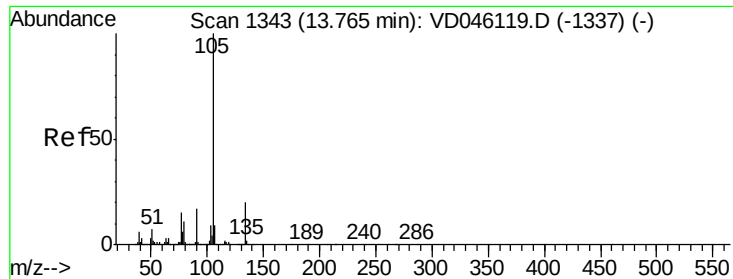
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#82
Chrysene
Concen: 32.97 ng
RT: 21.24 min Scan# 3158
Delta R.T. 0.01 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	26.1	39.1
229	24.1	17.7	26.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.69 ng

RT: 25.69 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BG017993.D

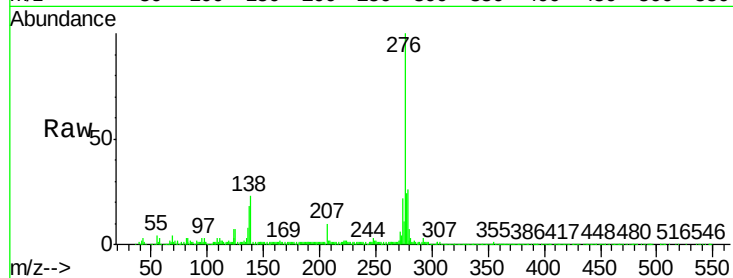
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

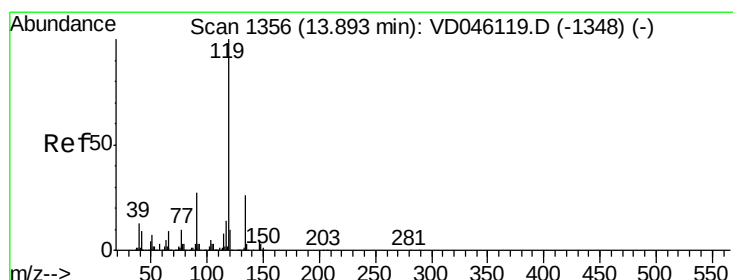
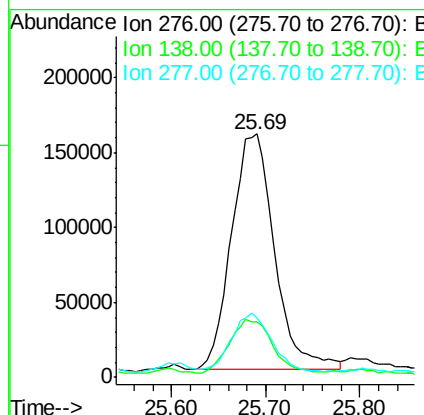
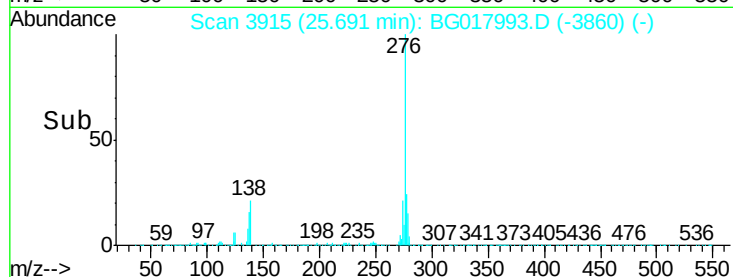
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	498868		
138	23.2	25.4	38.0#	
277	23.4	21.0	31.4	

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#86

Perylene-d12

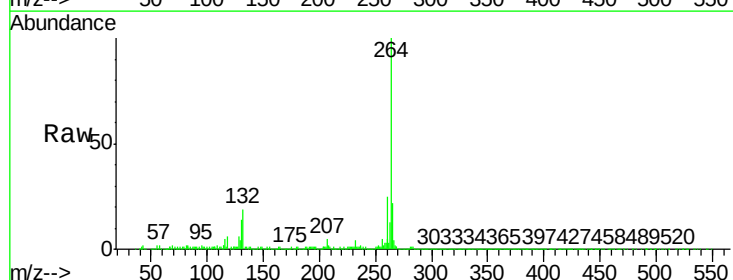
Concen: 20.00 ng

RT: 23.43 min Scan# 3530

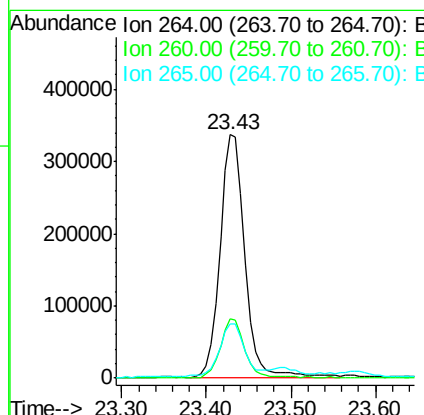
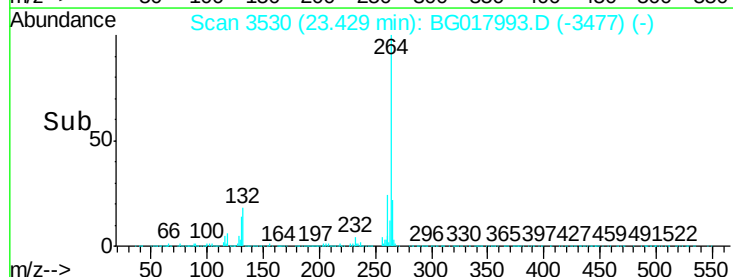
Delta R.T. 0.01 min

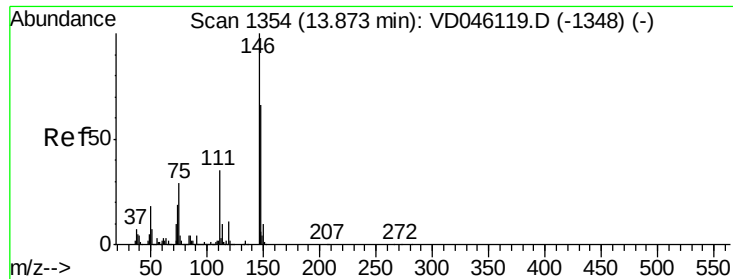
Lab File: BG017993.D

Acq: 20 Jul 2015 17:39



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	679625		
260	24.5	18.6	27.8	
265	22.4	18.2	27.2	





#87

Benzo(b)fluoranthene

Concen: 37.47 ng

RT: 22.76 min Scan# 3417

Delta R.T. 0.02 min

Lab File: BG017993.D

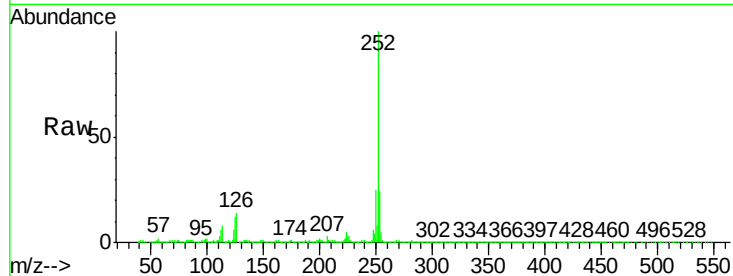
Acq: 20 Jul 2015 17:39

Instrument :

BNA_G

ClientSampleId :

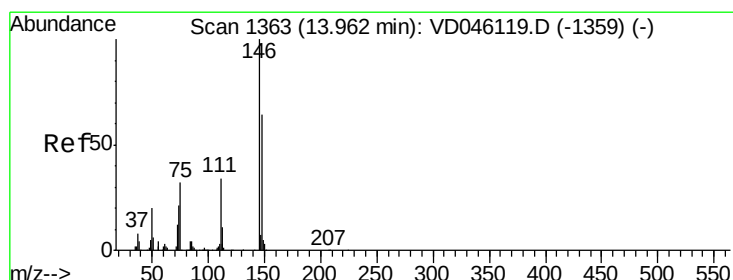
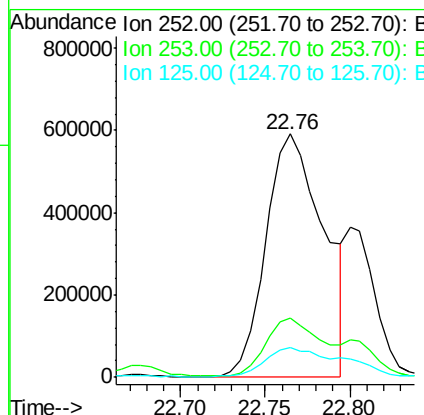
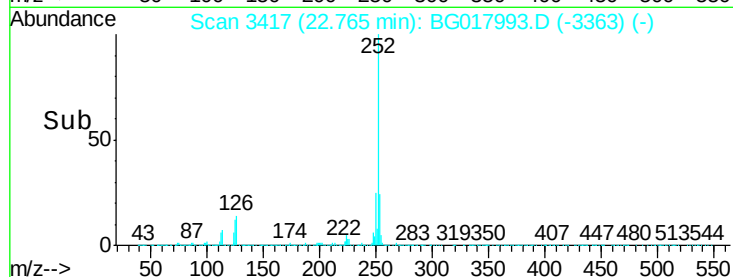
BRIDGE14-5(0-2)DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.7	29.5
125	12.2	10.6	15.8

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#88

Benzo(k)fluoranthene

Concen: 37.53 ng

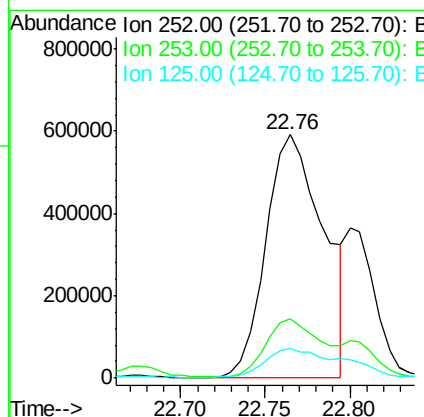
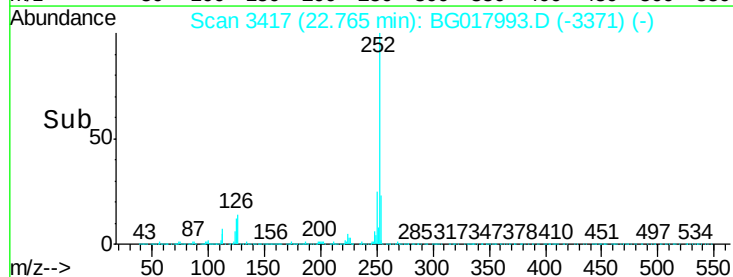
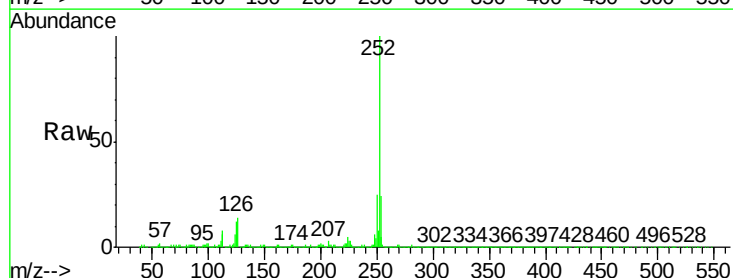
RT: 22.76 min Scan# 3417

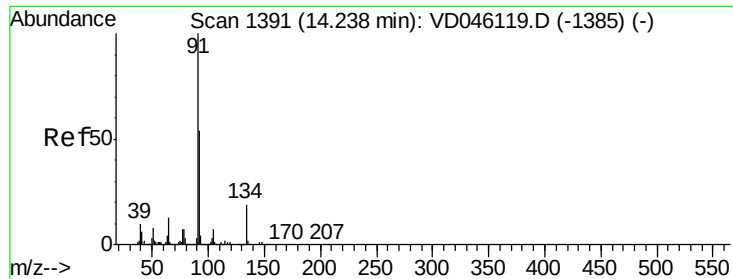
Delta R.T. -0.03 min

Lab File: BG017993.D

Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.6
125	12.2	10.3	15.5





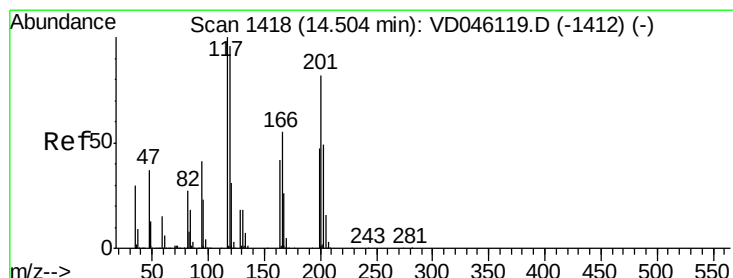
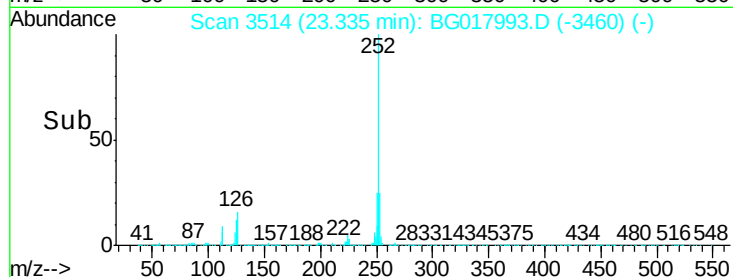
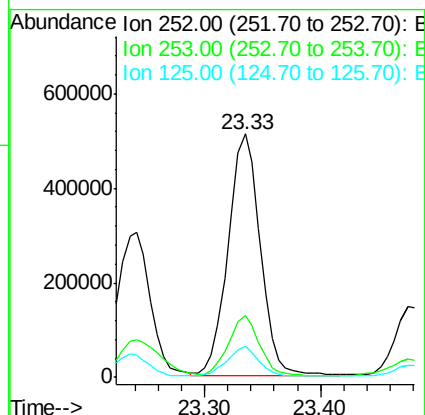
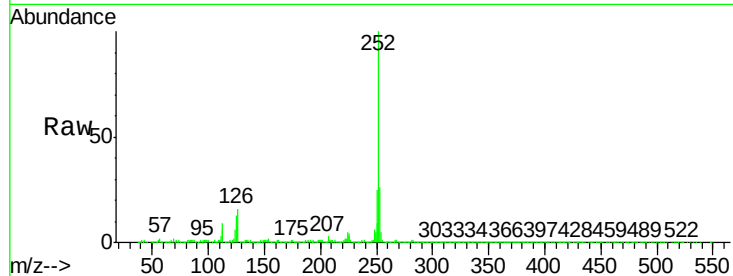
#89
Benzo(a)pyrene
Concen: 28.65 ng
RT: 23.33 min Scan# 3514
Delta R.T. 0.02 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Instrument :
BNA_G
ClientSampleId :
BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.6	19.0	28.6
125	12.5	11.1	16.7

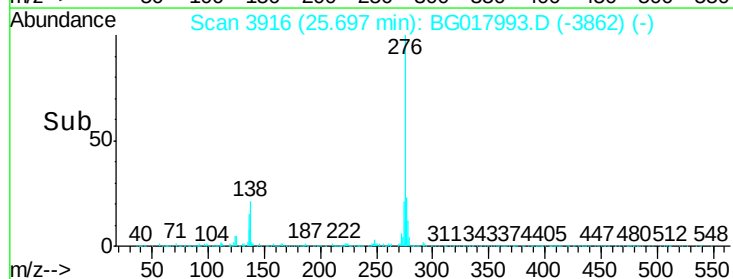
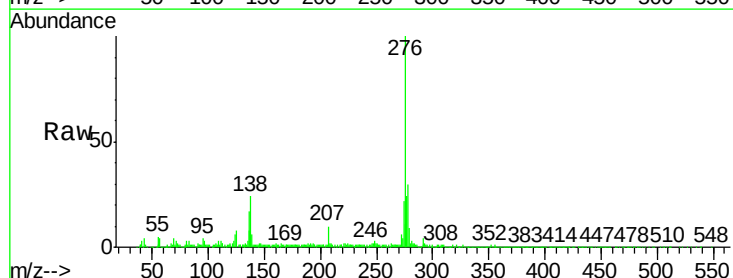
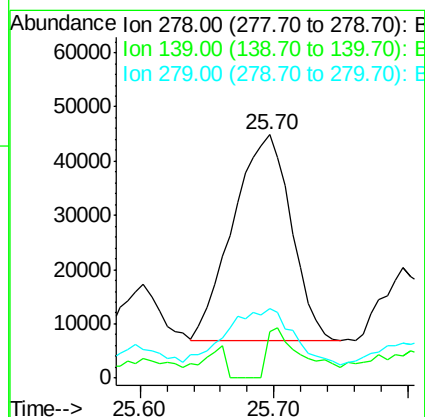
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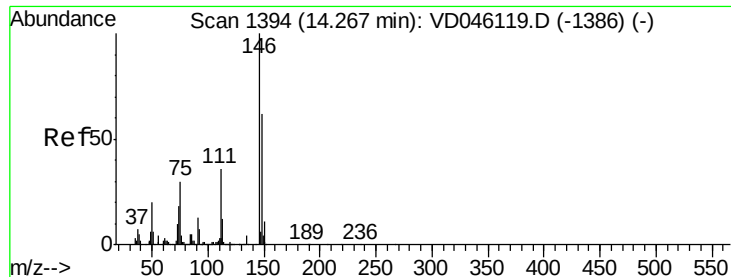
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#90
Dibenzo(a,h)anthracene
Concen: 3.20 ng
RT: 25.70 min Scan# 3916
Delta R.T. 0.02 min
Lab File: BG017993.D
Acq: 20 Jul 2015 17:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	19.1	16.2	24.2
279	28.8	19.9	29.9





#91
 Benzo(g,h,i)perylene
 Concen: 12.63 ng
 RT: 26.38 min Scan# 4032
 Delta R.T. 0.02 min
 Lab File: BG017993.D
 Acq: 20 Jul 2015 17:39

Instrument :
 BNA_G
 ClientSampleId :
 BRIDGE14-5(0-2)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	24.0	20.8	31.2

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