

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021682.D
 Acq On : 15 Apr 2016 11:22
 Operator : UM/SJ
 Sample : H2055-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Manual Integrations
 APPROVED

Sohil
 4/15/2016 4:44:53 PM

Quant Time: Apr 15 16:18:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	55627	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	257455	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	147979	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	305044	20.00	ng	0.00
75) Chrysene-d12	21.83	240	334020	20.00	ng	0.00
86) Perylene-d12	25.16	264	331705	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	334819	100.23	ng	0.01
7) Phenol-d6	7.37	99	572769	114.79	ng	0.00
23) Nitrobenzene-d5	9.38	82	359173	71.71	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	111076	69.65	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	655377	64.89	ng	0.00
78) Terphenyl-d14	20.14	244	707224	52.83	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	87157	6.81	ng	98
51) Acenaphthene	14.88	154	21300	2.19	ng	98
70) Phenanthrene	17.60	178	328728	19.55	ng	100
71) Anthracene	17.68	178	71452	4.19	ng	98
72) Carbazole	17.95	167	35908	2.25	ng	98
74) Fluoranthene	19.59	202	443209	22.08	ng	100
77) Pyrene	19.95	202	408020	21.18	ng	99
80) Benzo(a)anthracene	21.80	228	229753	11.95	ng	98
82) Chrysene	21.87	228	209018	11.32	ng	97
83) Bis(2-ethylhexyl)phthalate	21.70	149	33824	2.59	ng	# 99
85) Indeno(1,2,3-cd)pyrene	28.95	276	127201	5.79	ng	95
87) Benzo(b)fluoranthene	24.10	252	280738	14.59	ng	96
88) Benzo(k)fluoranthene	24.16	252	99983m	5.31	ng	
89) Benzo(a)pyrene	25.00	252	195110	10.46	ng	98
91) Benzo(g,h,i)perylene	30.15	276	113149	6.17	ng	99

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

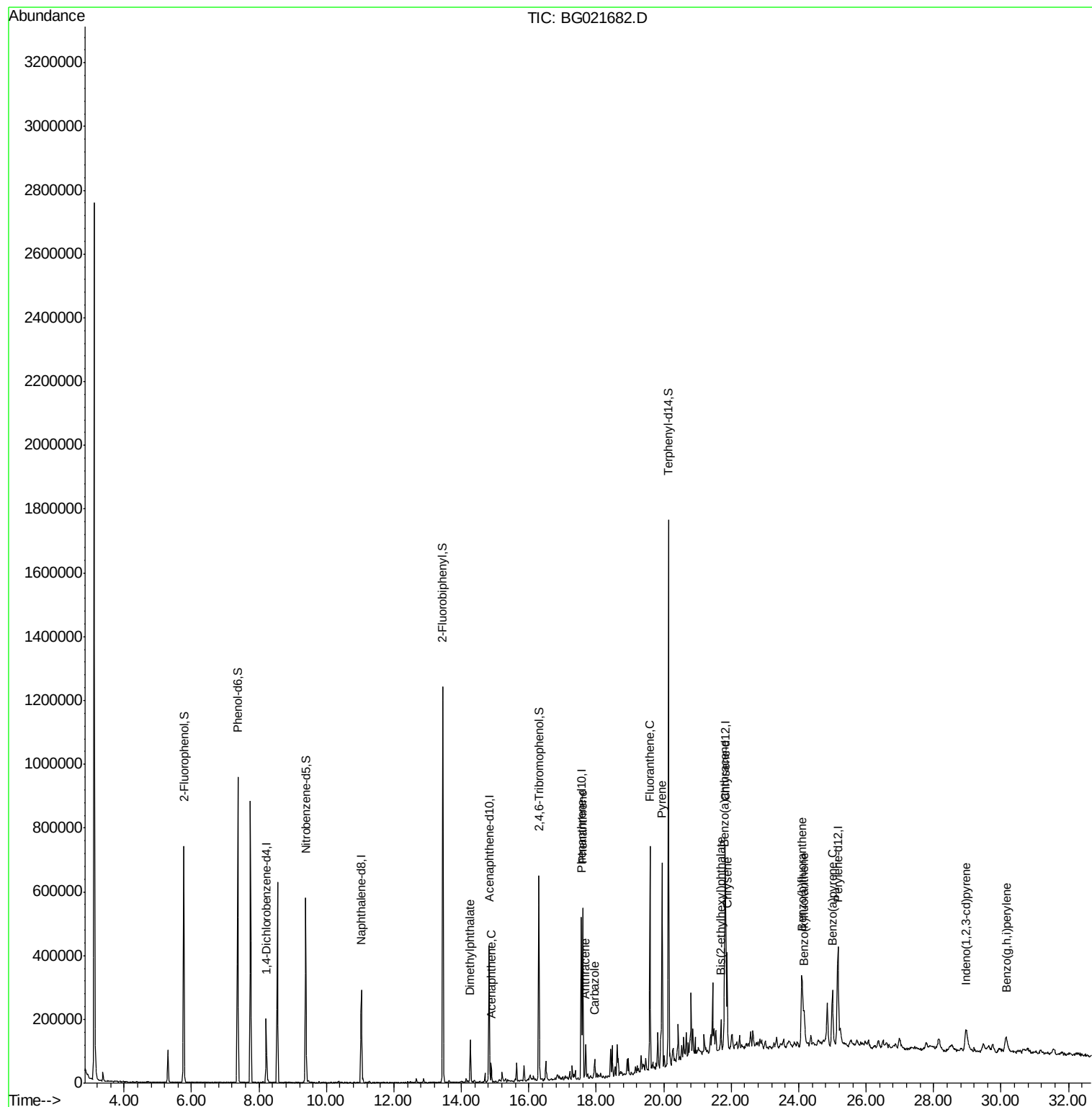
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021682.D
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ALS Vial : 21 Sample Multiplier: 1

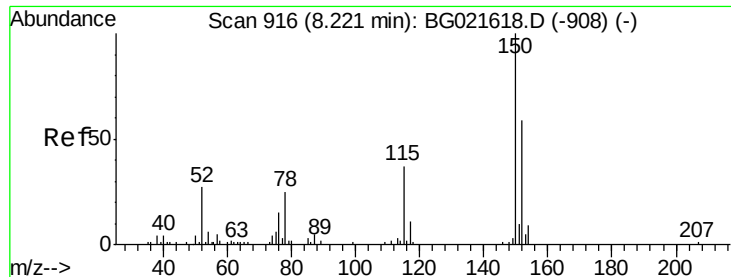
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

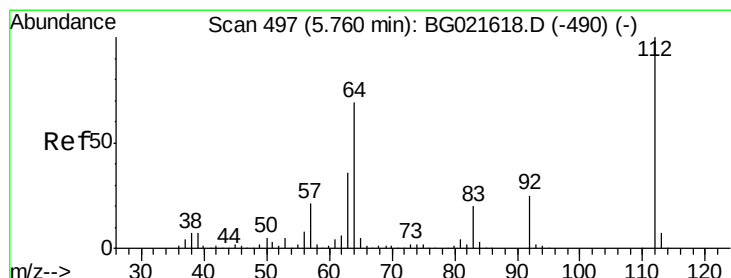
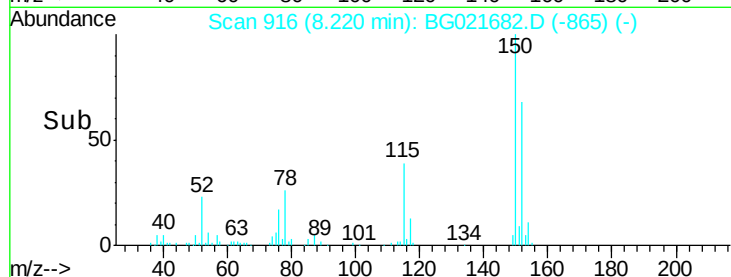
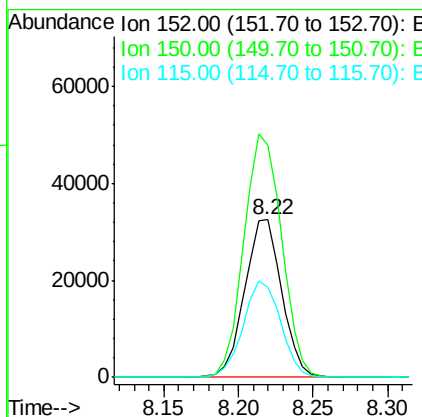
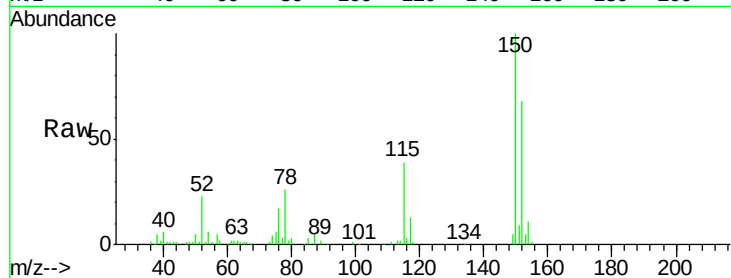
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 916
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	55627		
150	147.1	130.1	195.1	
115	56.9	62.2	93.2	

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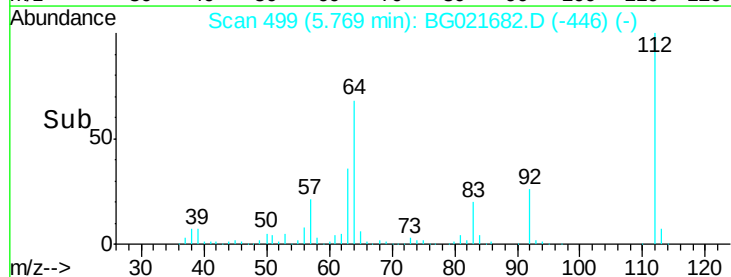
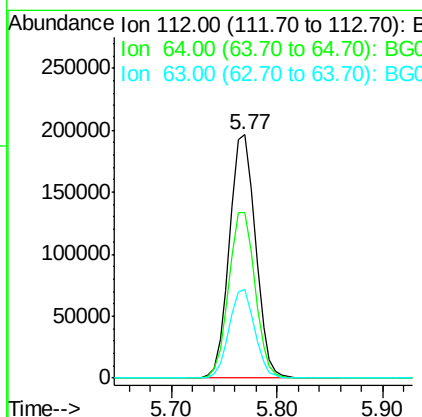
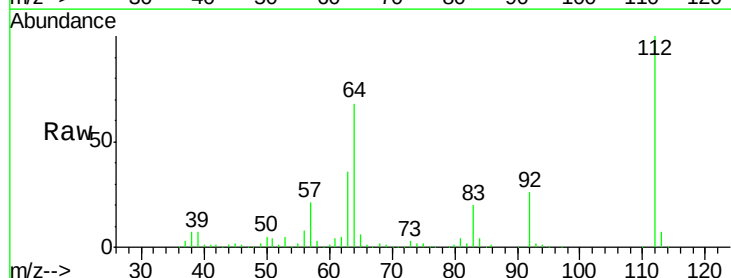
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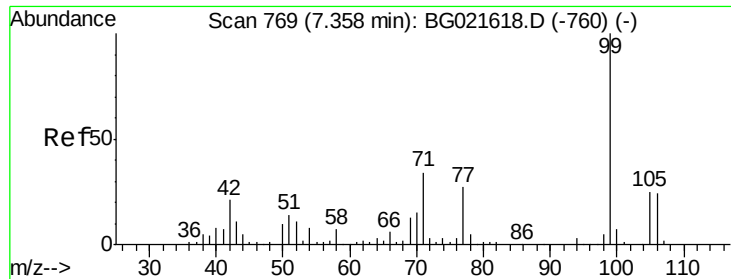


#5

2-Fluorophenol
Concen: 100.23 ng
RT: 5.77 min Scan# 499
Delta R.T. 0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	334819		
64	68.1	51.1	76.7	
63	36.3	24.6	37.0	





#7

Phenol-d6

Concen: 114.79 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Instrument :

BNA_G

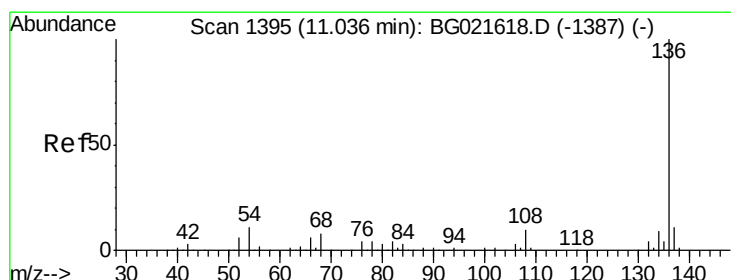
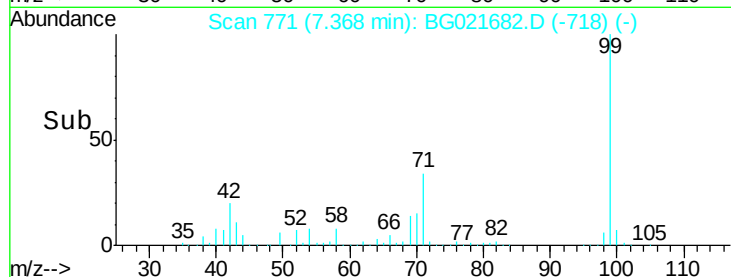
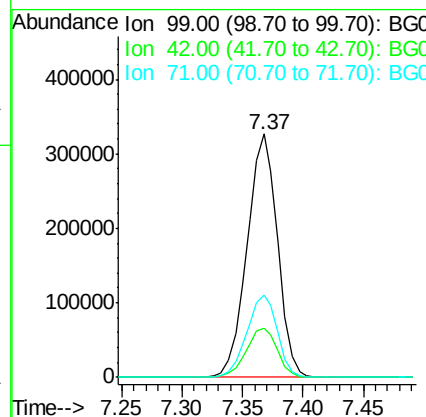
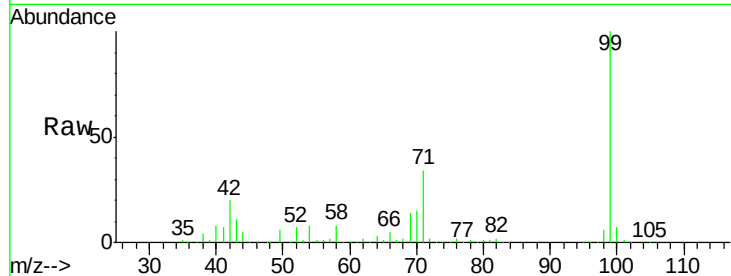
ClientSampleId :

BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	572769		
42	20.2	16.4	24.6	
71	34.0	25.0	37.4	

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#21

Naphthalene-d8

Concen: 20.00 ng

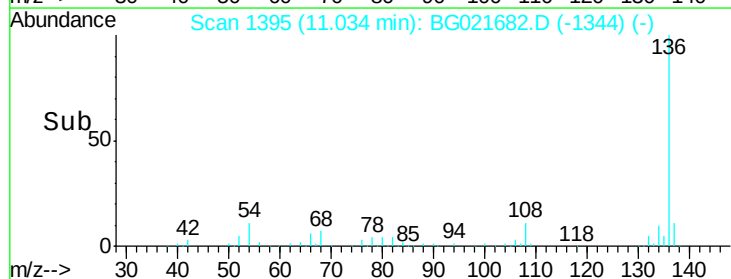
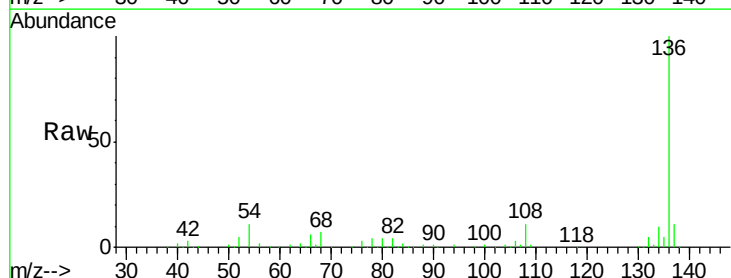
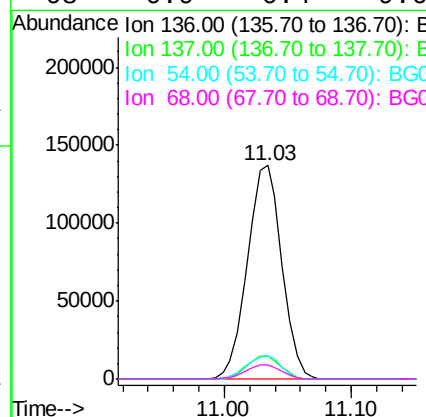
RT: 11.03 min Scan# 1395

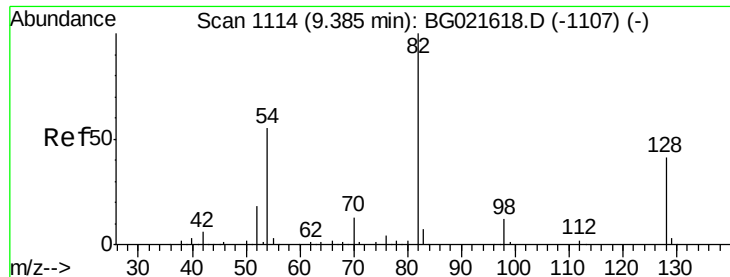
Delta R.T. -0.00 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	257455		
137	10.8	9.0	13.4	
54	10.7	9.6	14.4	
68	6.9	6.4	9.6	





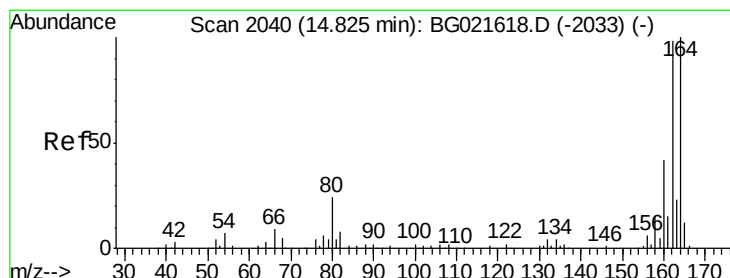
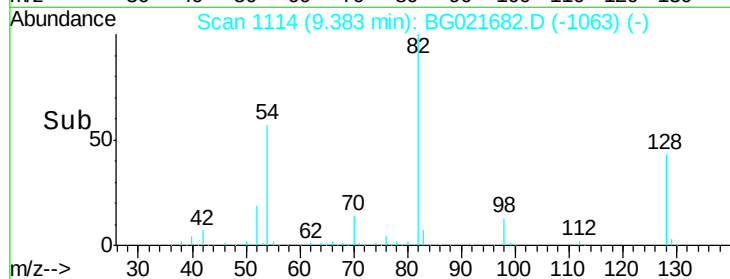
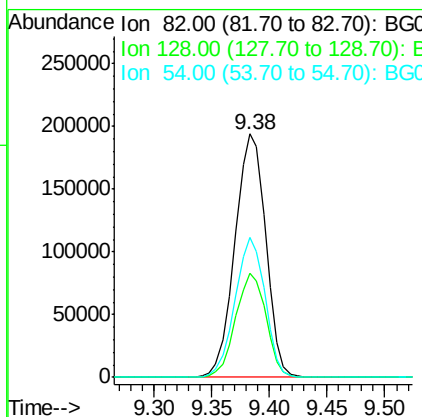
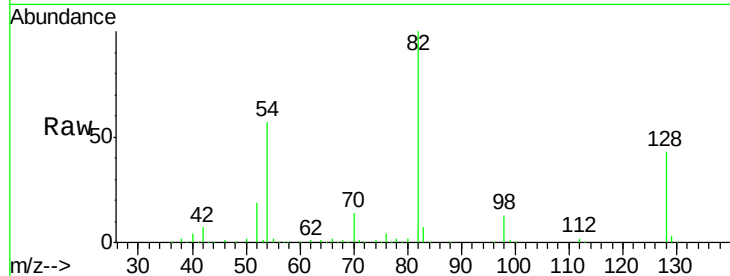
#23
 Nitrobenzene-d5
 Concen: 71.71 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	359173		
128	43.0	33.4	50.0	
54	57.4	46.1	69.1	

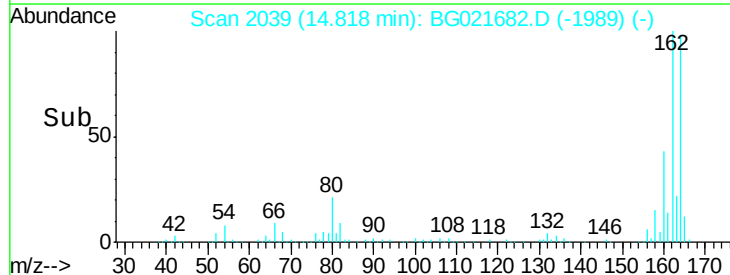
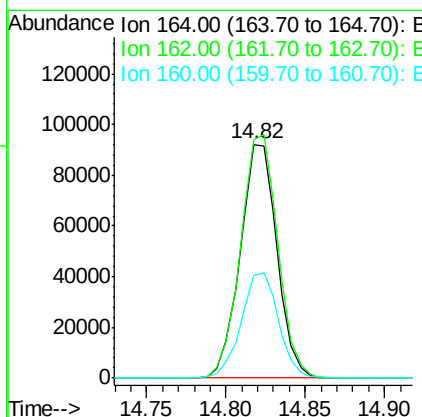
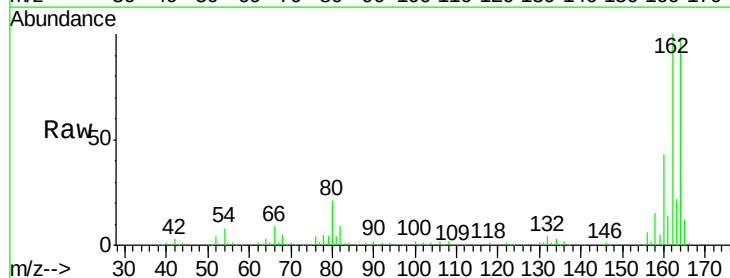
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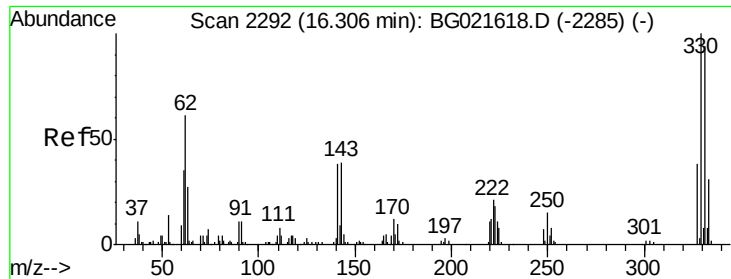
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147979		
162	102.0	78.0	117.0	
160	44.1	32.9	49.3	





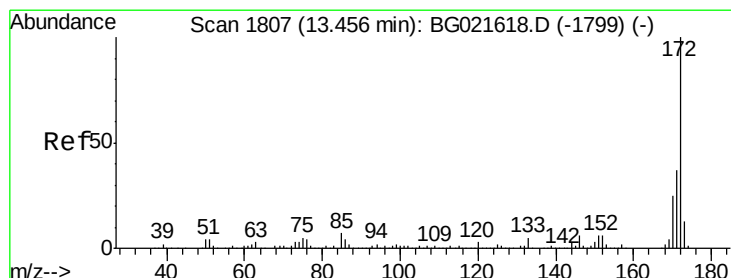
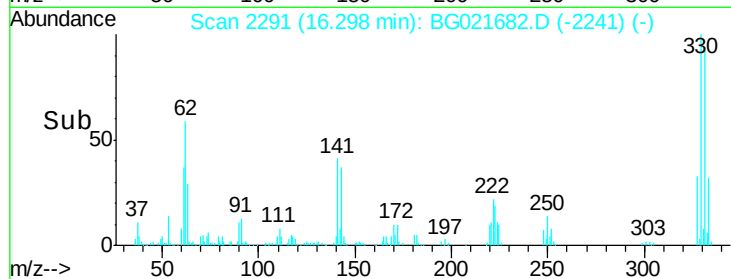
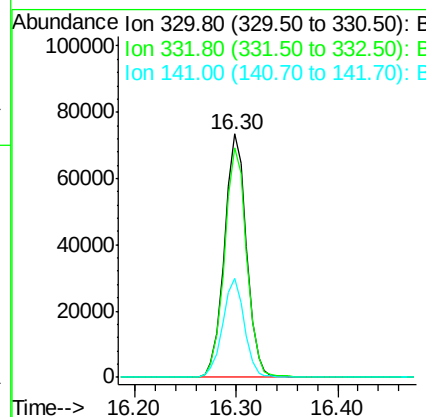
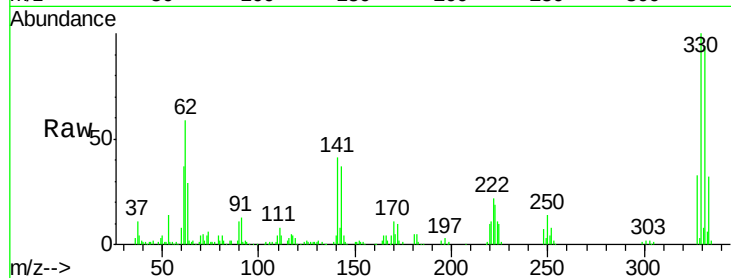
#41
 2,4,6-Tribromophenol
 Concen: 69.65 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	111076		
332	94.9	78.0	117.0	
141	40.3	33.8	50.8	

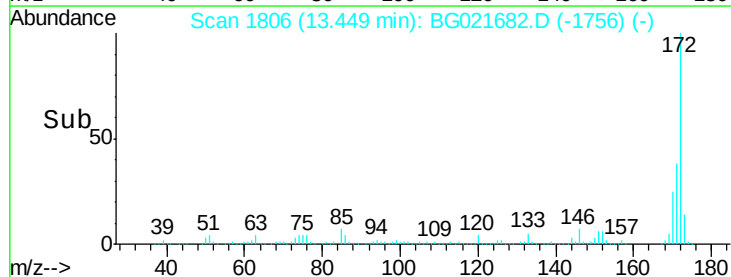
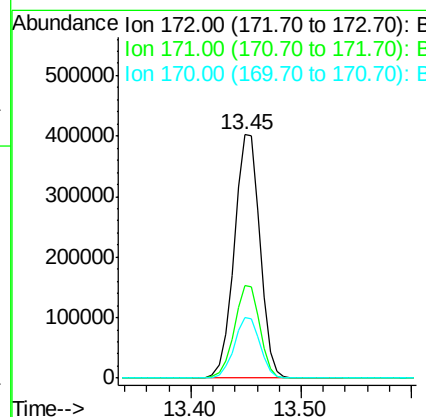
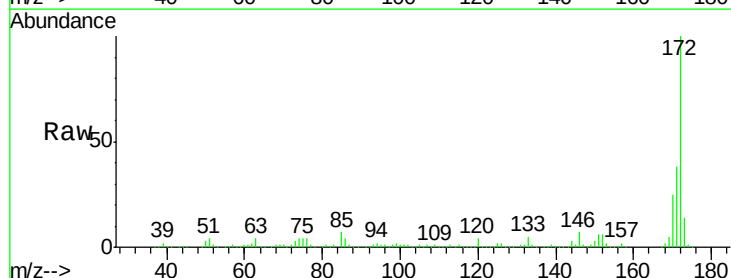
Manual Integrations
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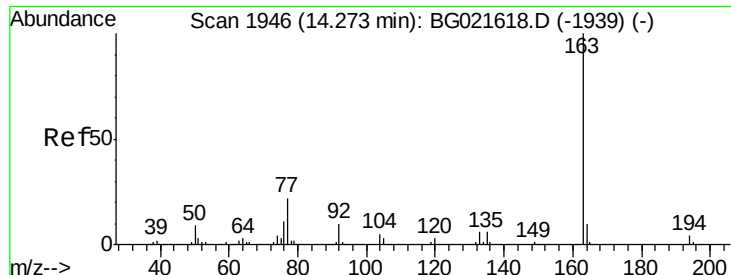
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#44
 2-Fluorobiphenyl
 Concen: 64.89 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	655377		
171	37.8	27.8	41.6	
170	25.0	19.6	29.4	





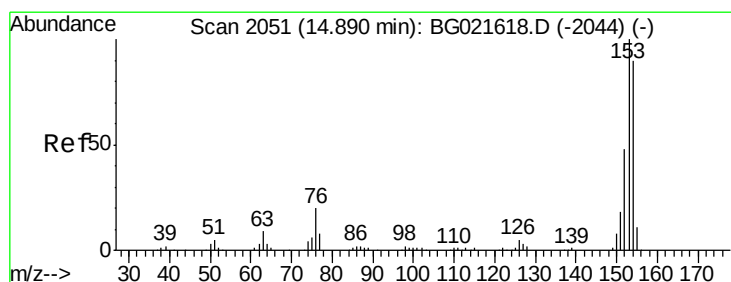
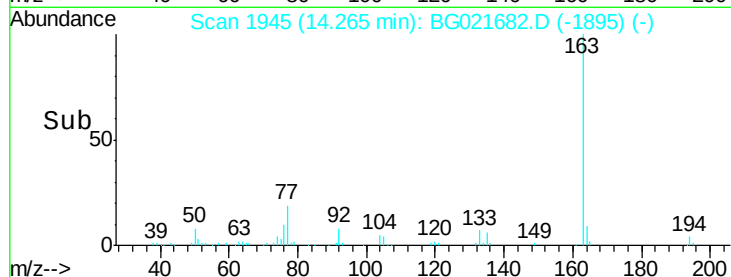
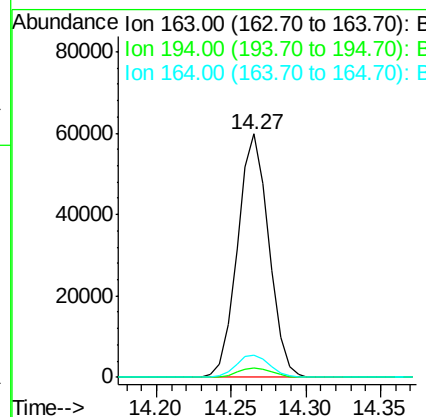
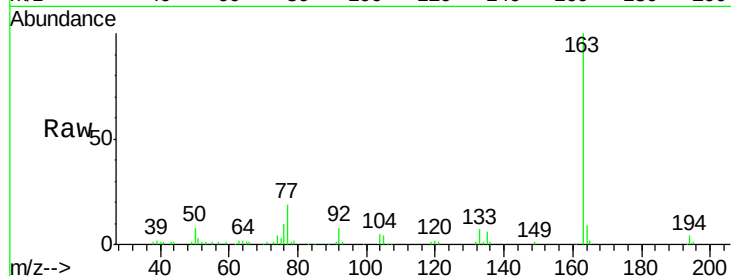
#49
Dimethylphthalate
Concen: 6.81 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.0	4.6
164	9.2	8.1	12.1

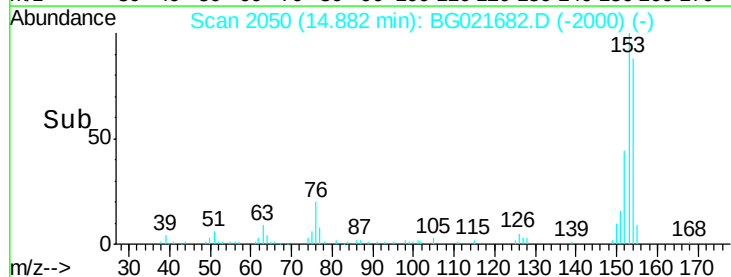
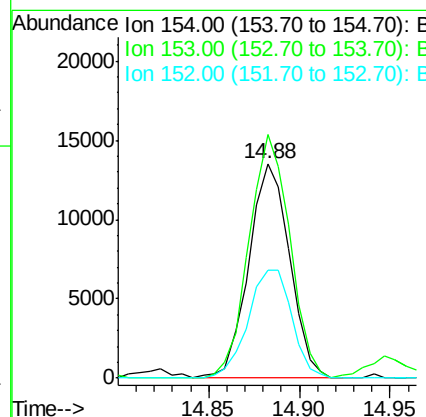
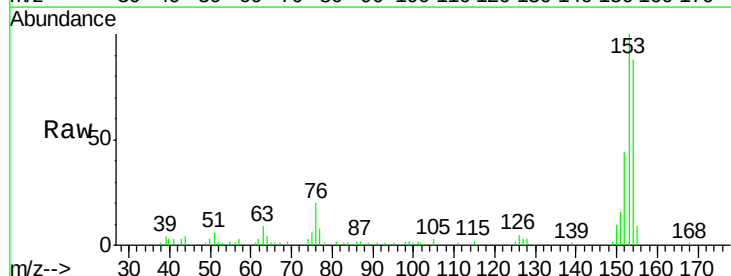
Manual Integrations
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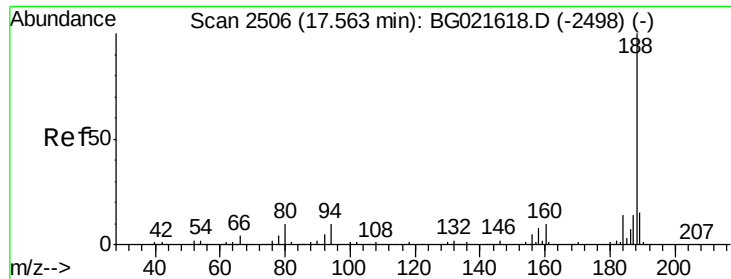
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#51
Acenaphthene
Concen: 2.19 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	113.4	91.9	137.9
152	50.2	42.0	63.0





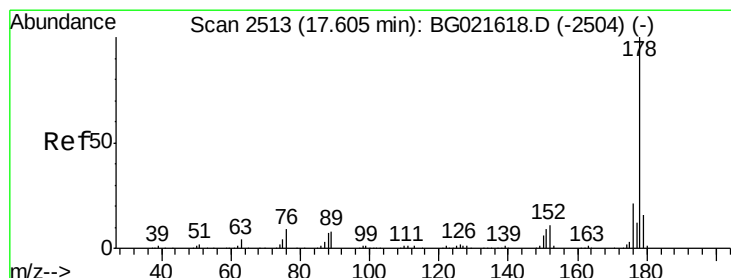
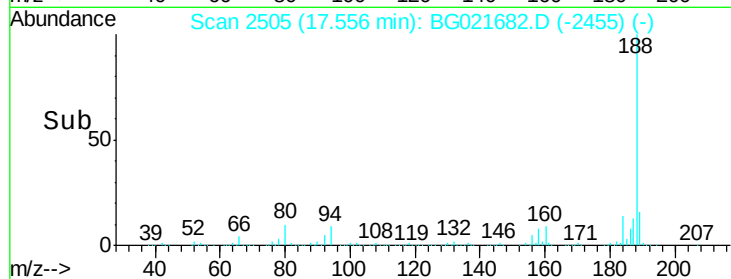
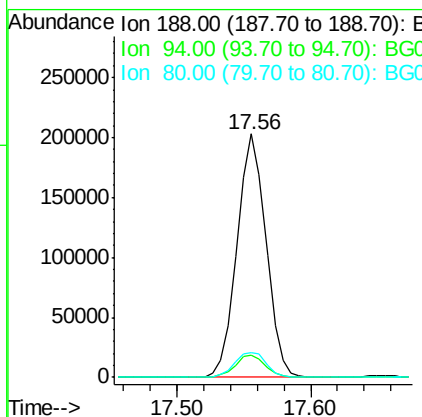
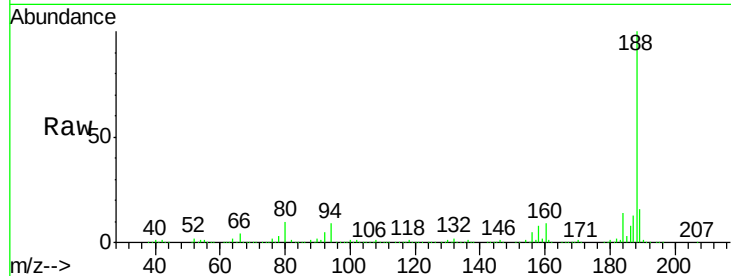
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	305044		
94	9.1	7.5	11.3	
80	10.2	8.6	13.0	

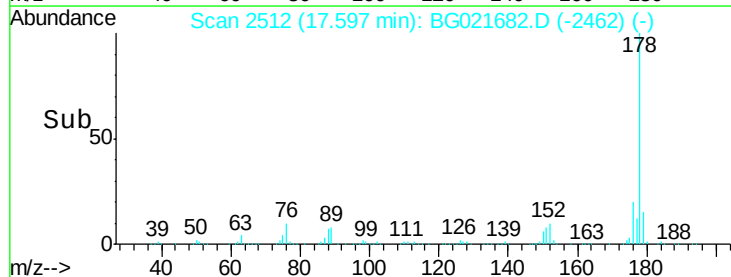
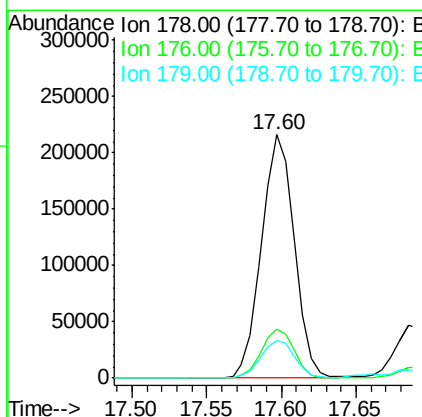
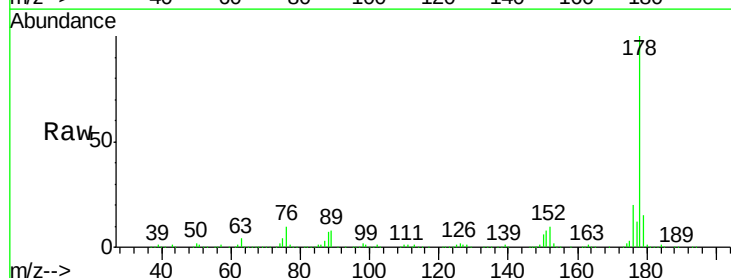
Manual Integrations
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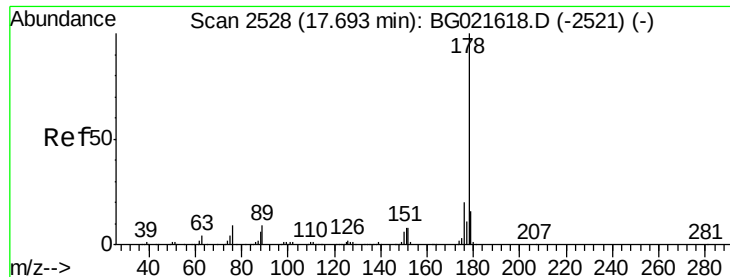
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#70
 Phenanthrene
 Concen: 19.55 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	328728		
176	20.2	16.2	24.4	
179	15.3	12.0	18.0	





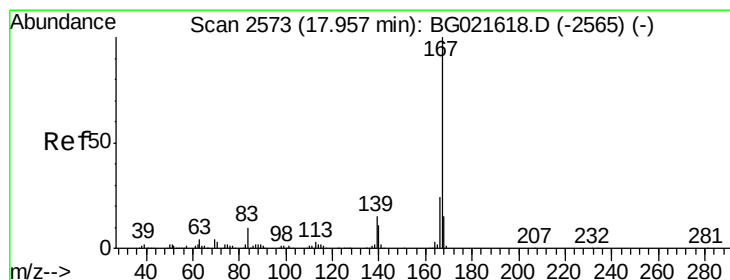
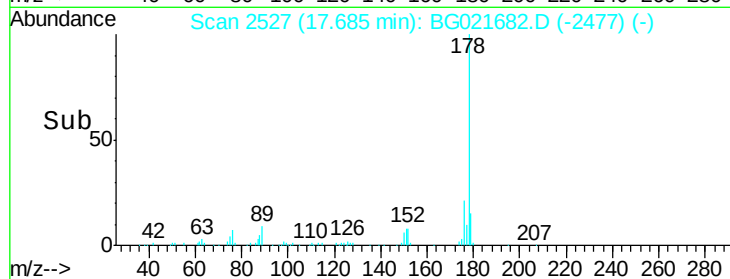
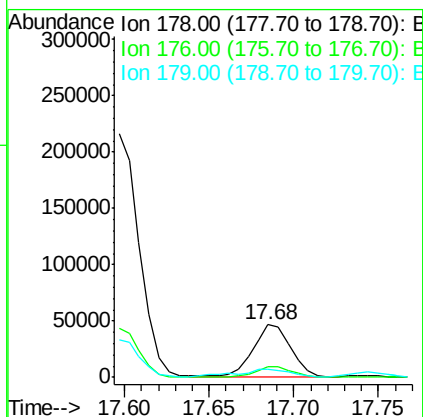
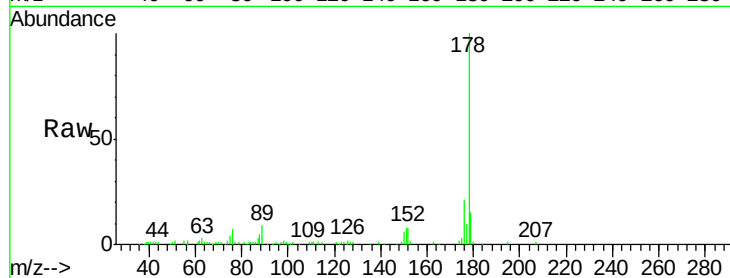
#71
 Anthracene
 Concen: 4.19 ng
 RT: 17.68 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.0	22.4
179	15.4	12.2	18.4

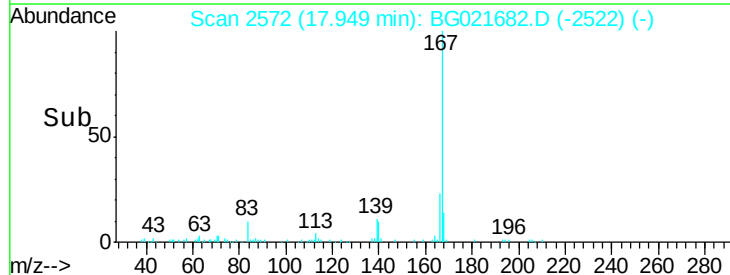
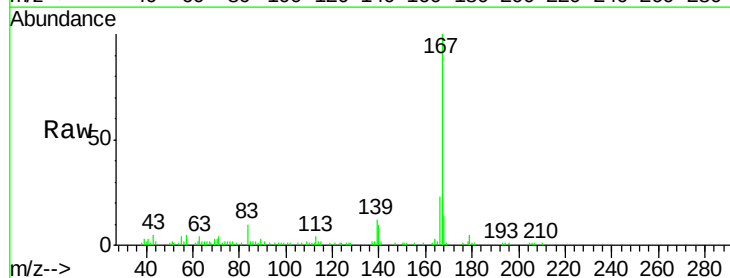
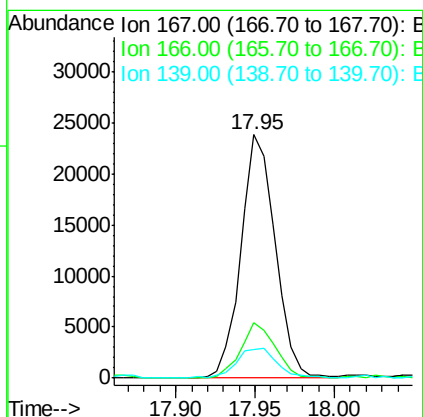
Manual Integrations
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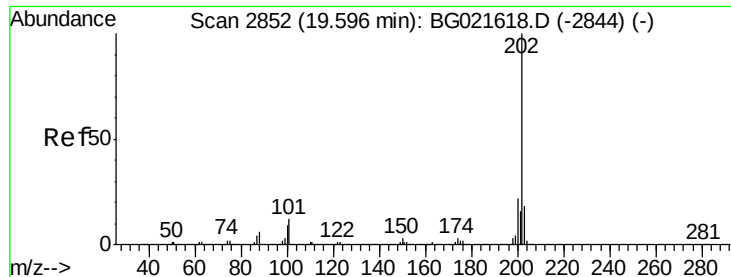
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#72
 Carbazole
 Concen: 2.25 ng
 RT: 17.95 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	27.8
139	11.5	10.6	15.8





#74

Fluoranthene

Concen: 22.08 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021682.D

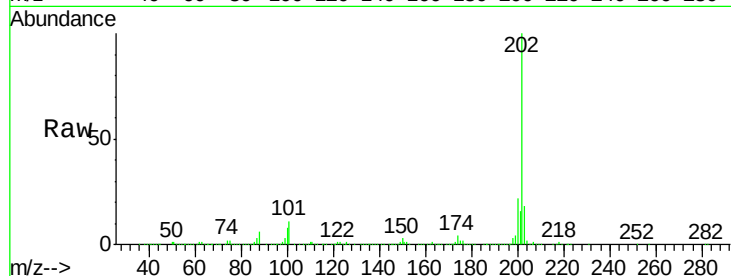
Acq: 15 Apr 2016 11:22

Instrument :

BNA_G

ClientSampleId :

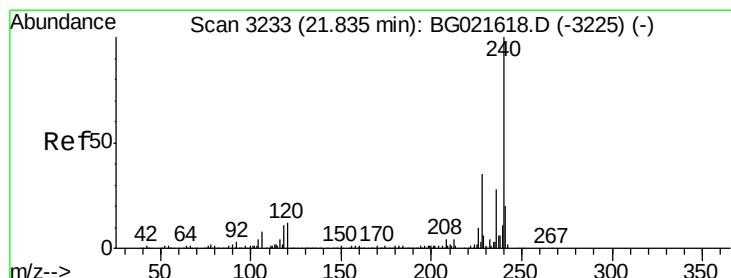
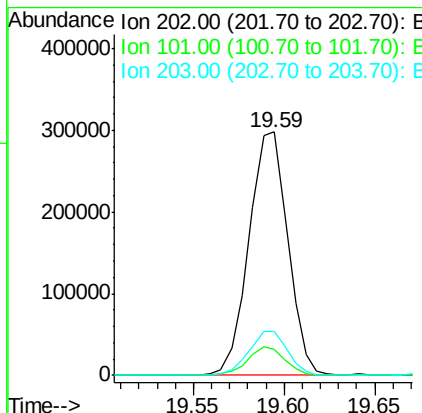
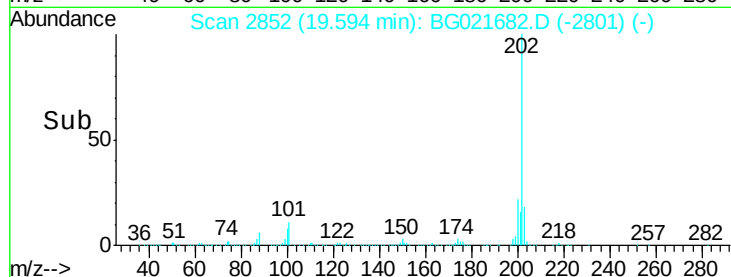
BH-12(5-9)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	443209		
101	10.7	0.0	31.0	
203	18.0	0.0	37.9	

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#75

Chrysene-d12

Concen: 20.00 ng

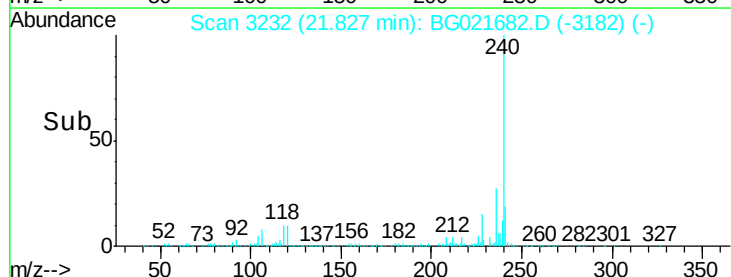
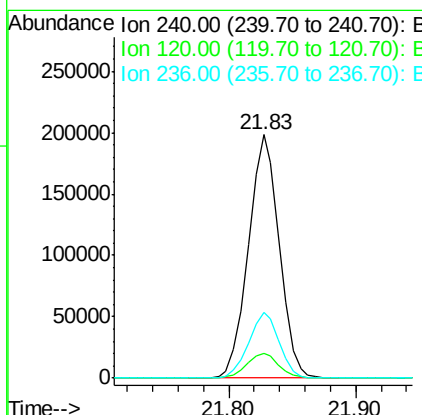
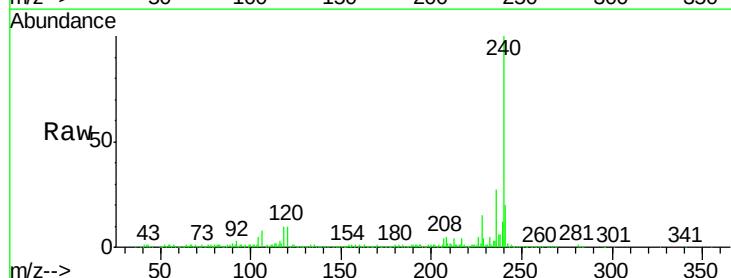
RT: 21.83 min Scan# 3232

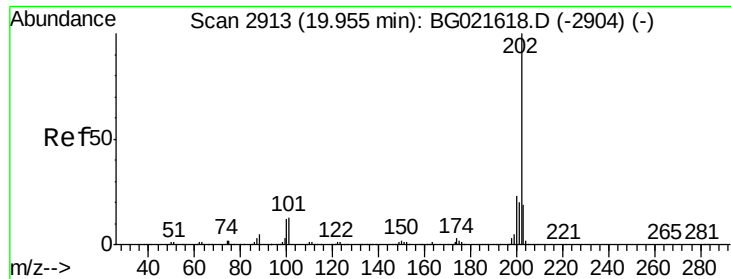
Delta R.T. -0.01 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	334020		
120	10.4	8.4	12.6	
236	27.1	19.6	29.4	





#77

Pyrene

Concen: 21.18 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Instrument :

BNA_G

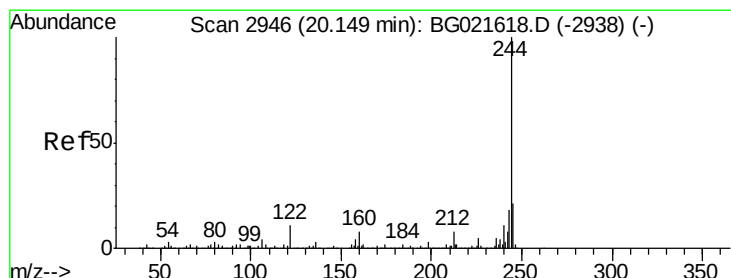
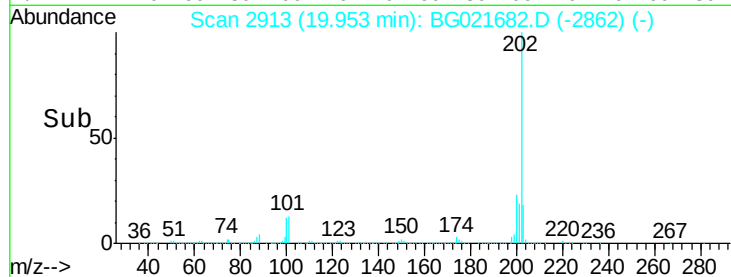
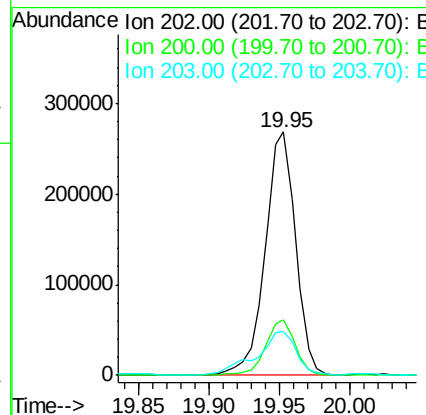
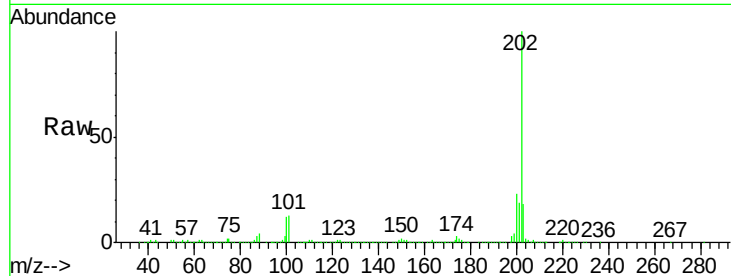
ClientSampleId :

BH-12(5-9)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		408020		
200	22.8	18.2	27.2		
203	18.1	15.0	22.4		

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#78

Terphenyl-d14

Concen: 52.83 ng

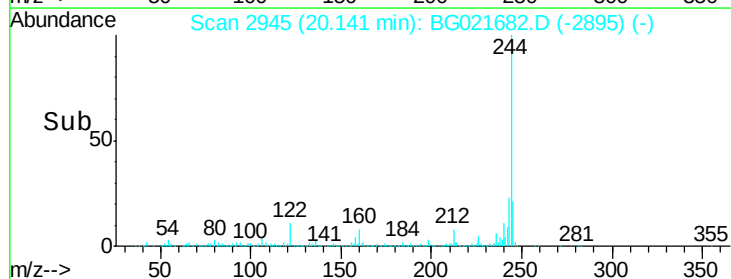
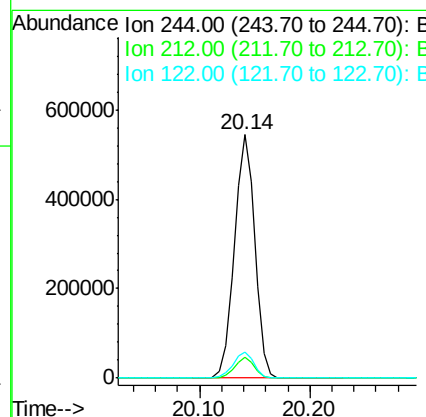
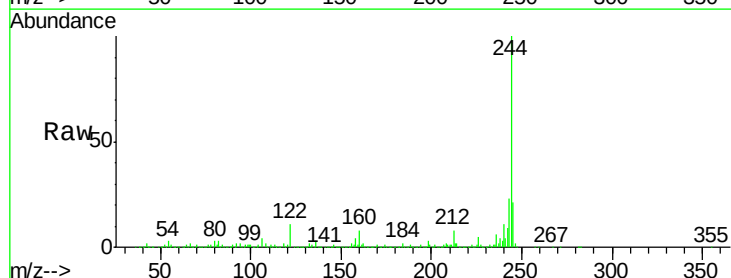
RT: 20.14 min Scan# 2945

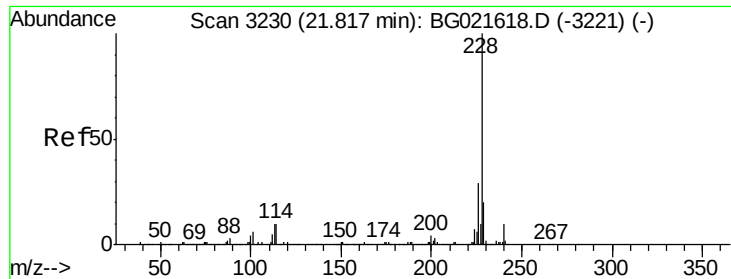
Delta R.T. -0.01 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		707224		
212	8.4	6.5	9.7		
122	10.7	8.6	12.8		





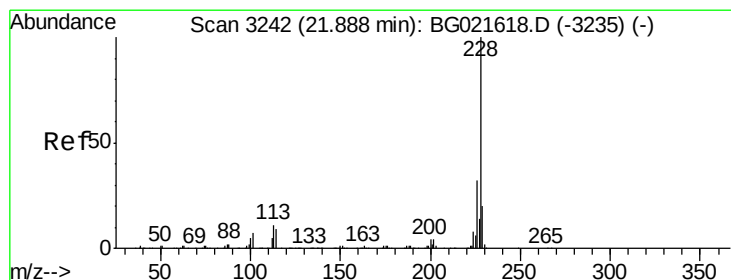
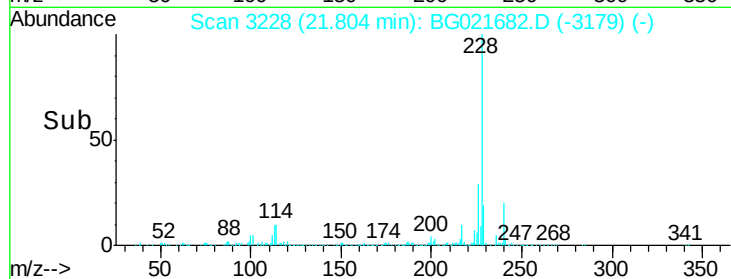
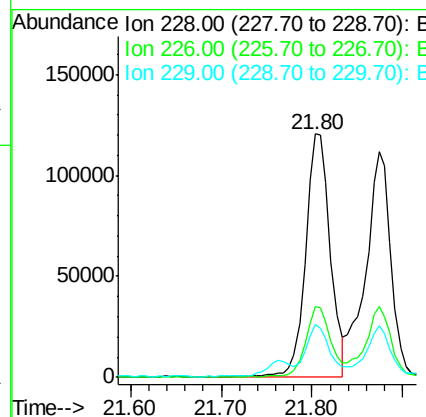
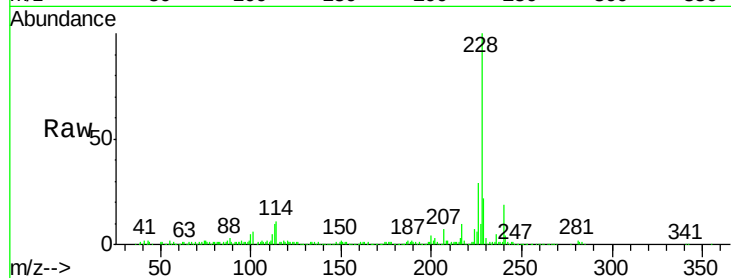
#80
Benzo(a)anthracene
Concen: 11.95 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	229753		
226	29.1		22.6	34.0
229	21.7		16.1	24.1

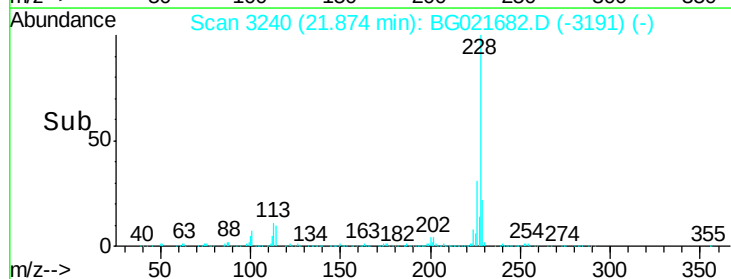
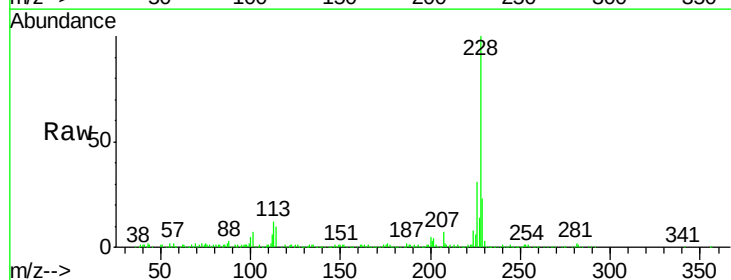
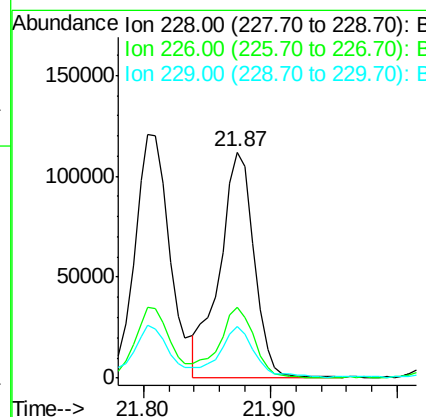
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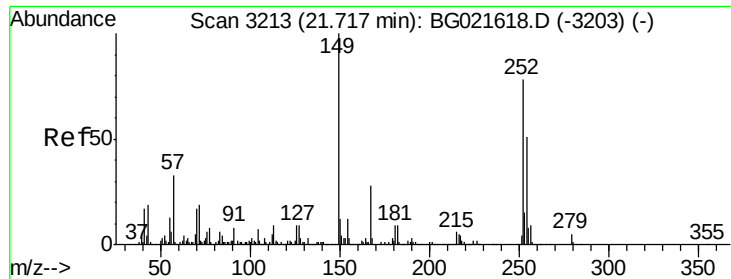
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#82
Chrysene
Concen: 11.32 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	209018		
226	31.4		25.4	38.0
229	22.5		15.9	23.9





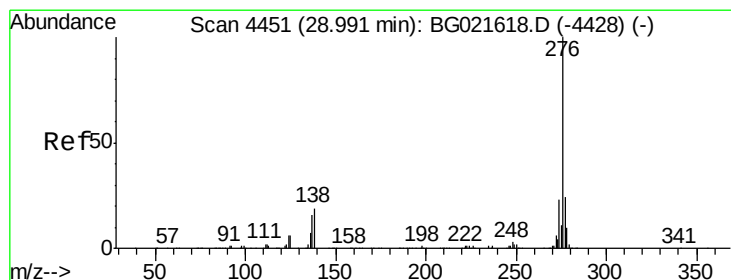
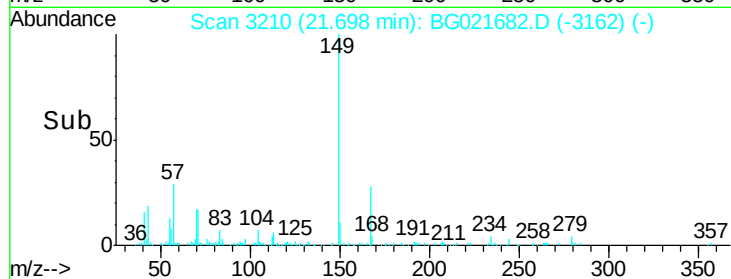
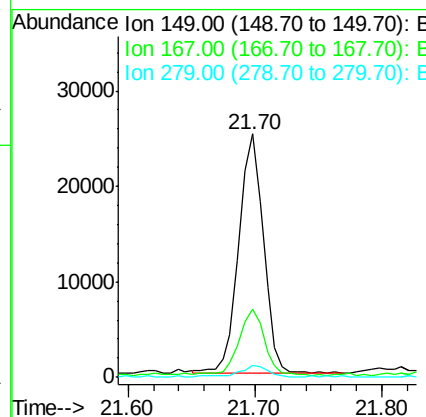
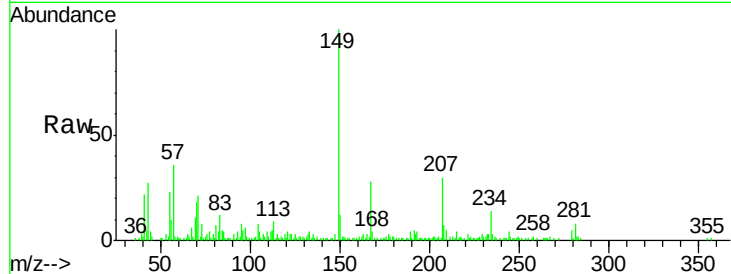
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.59 ng
 RT: 21.70 min Scan# 3210
 Delta R.T. -0.02 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	28.1	22.4	33.6
279	5.0	3.2	4.8#

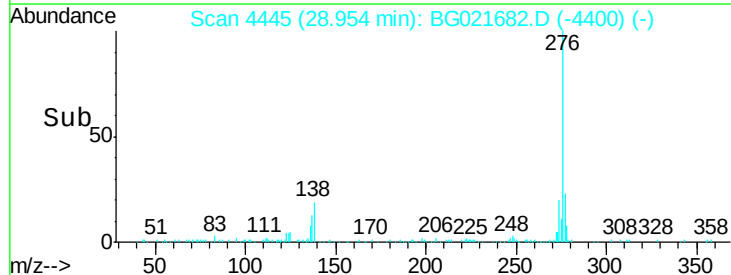
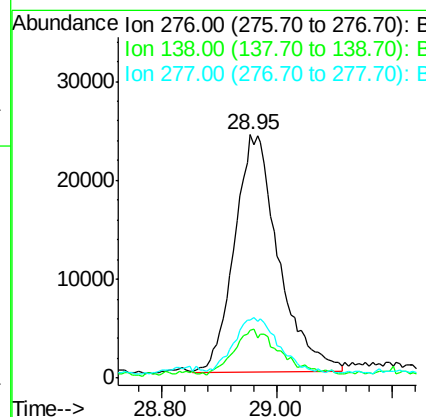
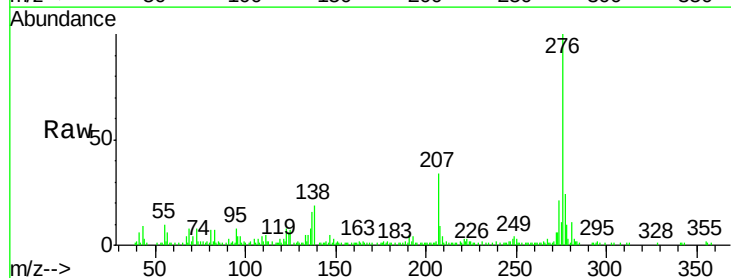
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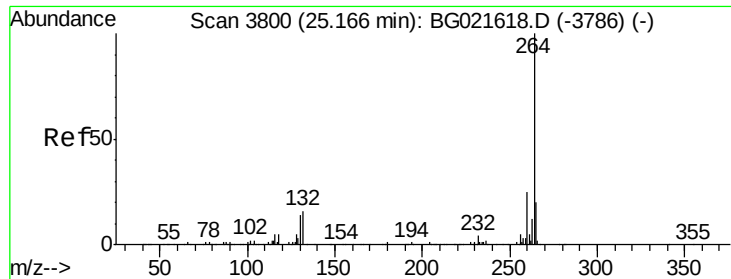
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.79 ng
 RT: 28.95 min Scan# 4445
 Delta R.T. -0.04 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	18.2	14.0	21.0
277	22.3	20.6	30.8





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BG021682.D

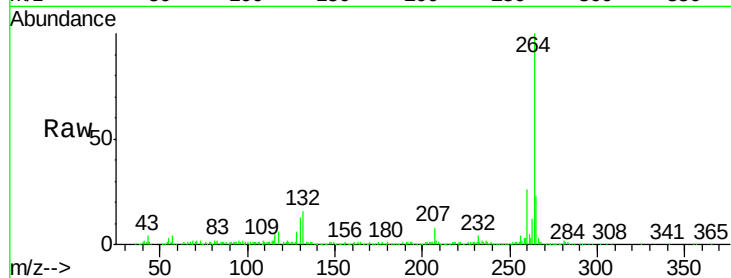
Acq: 15 Apr 2016 11:22

Instrument :

BNA_G

ClientSampled :

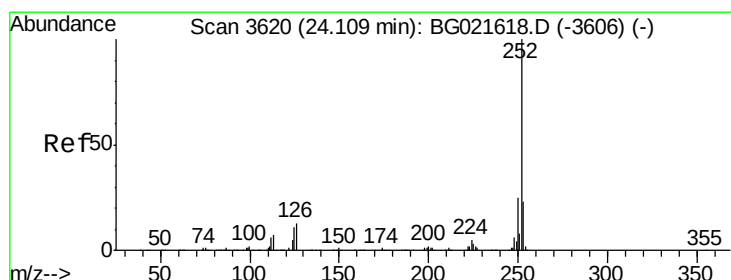
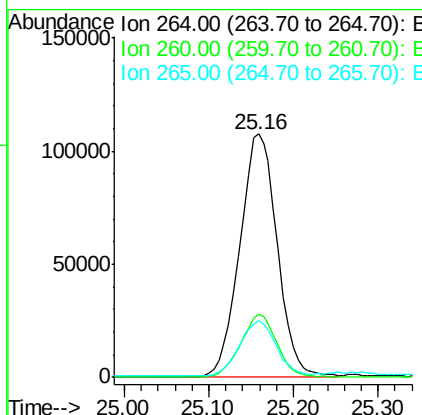
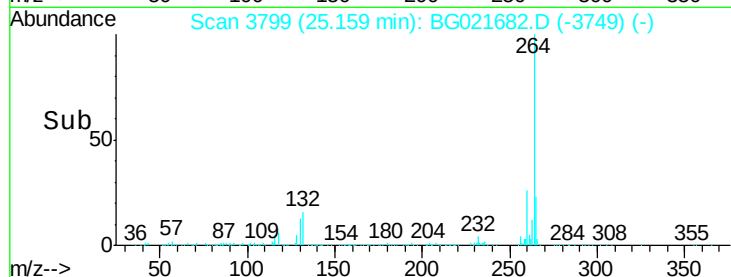
BH-12(5-9)



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	331705		
260	26.0	20.2	30.4	
265	23.3	17.8	26.8	

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#87

Benzo(b)fluoranthene

Concen: 14.59 ng

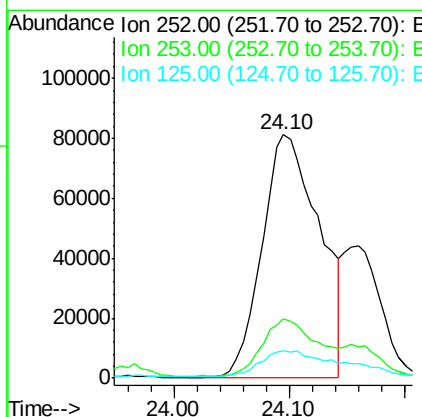
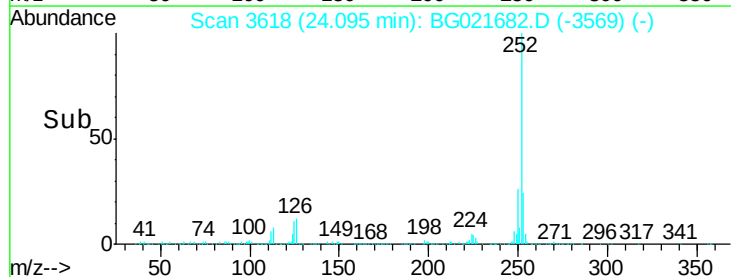
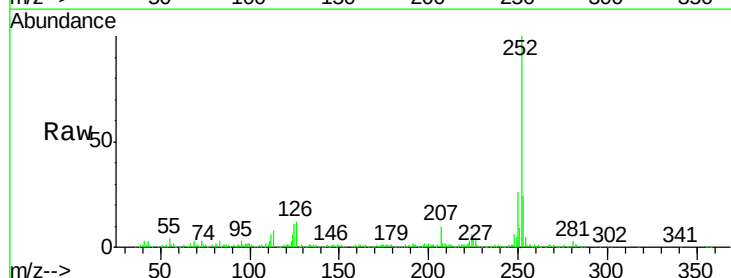
RT: 24.10 min Scan# 3618

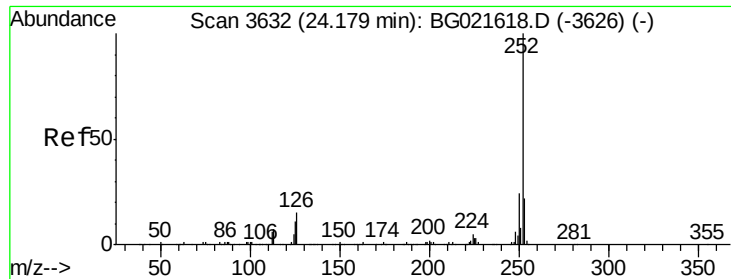
Delta R.T. -0.01 min

Lab File: BG021682.D

Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	280738		
253	24.5	17.5	26.3	
125	11.3	8.6	13.0	





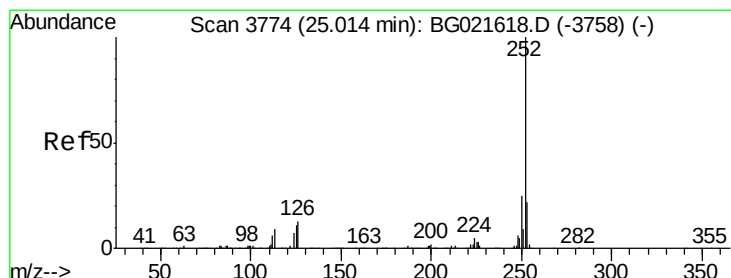
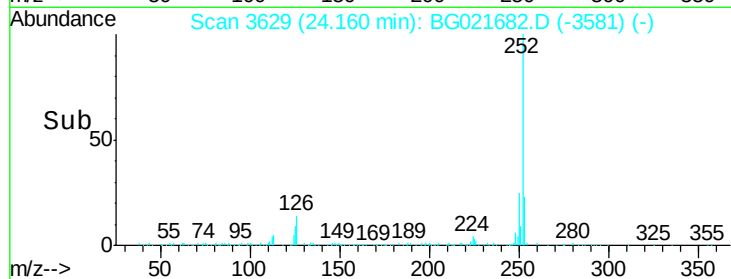
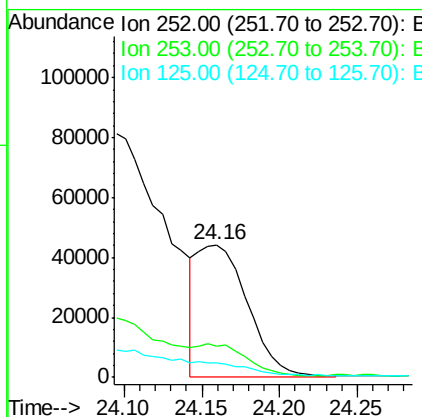
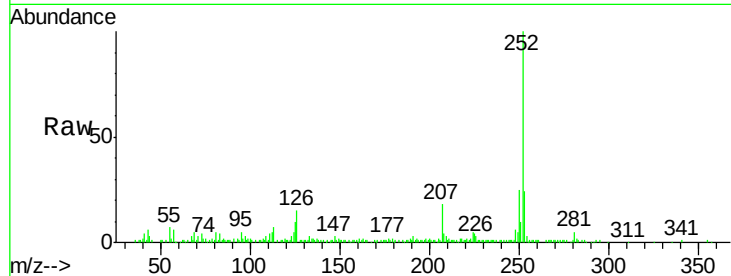
#88
Benzo(k)fluoranthene
Concen: 5.31 ng m
RT: 24.16 min Scan# 3629
Delta R.T. -0.02 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampled :
BH-12(5-9)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.5	8.3	12.5

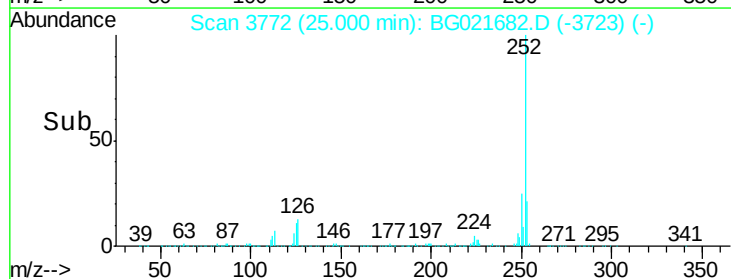
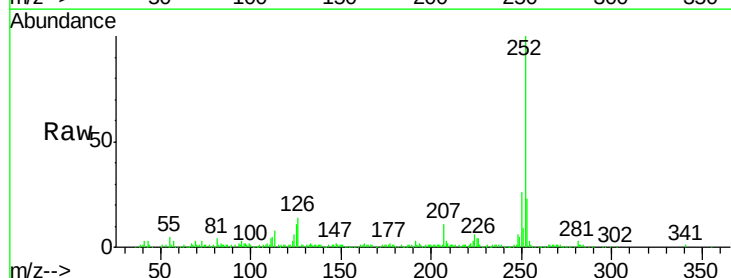
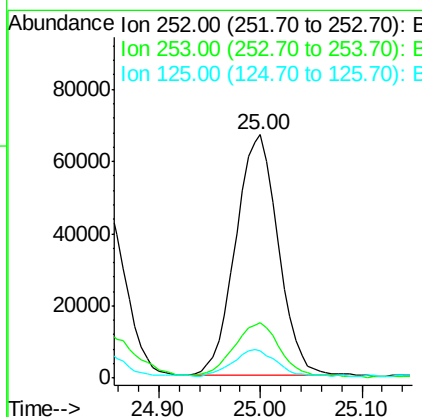
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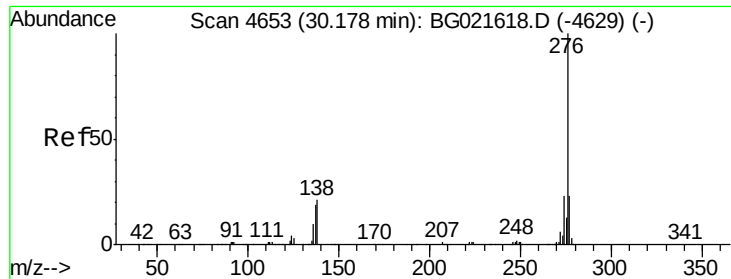
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#89
Benzo(a)pyrene
Concen: 10.46 ng
RT: 25.00 min Scan# 3772
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.3	9.6	14.4





#91
 Benzo(g,h,i)perylene
 Concen: 6.17 ng
 RT: 30.15 min Scan# 4649
 Delta R.T. -0.03 min
 Lab File: BG021682.D
 Acq: 15 Apr 2016 11:22

Instrument :
 BNA_G
 ClientSampleId :
 BH-12(5-9)

Tgt Ion:	276	Resp:	113149
Ion Ratio		Lower	Upper
276	100		
277	25.0	19.4	29.2
138	22.1	17.4	26.0

Manual Integrations
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