

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021684.D
 Acq On : 15 Apr 2016 12:40
 Operator : UM/SJ
 Sample : H2412-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)A

Manual Integrations
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Sohil
 4/15/2016 4:44:58 PM

Quant Time: Apr 15 16:24:48 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	43876	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	195252	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	107845	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	224273	20.00	ng	0.00
75) Chrysene-d12	21.83	240	251338	20.00	ng	0.00
86) Perylene-d12	25.17	264	245428	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	160468	60.90	ng	0.00
7) Phenol-d6	7.37	99	235696	59.89	ng	0.00
23) Nitrobenzene-d5	9.39	82	148431	39.07	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	68058	58.55	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	301426	40.95	ng	0.00
78) Terphenyl-d14	20.14	244	355148	35.26	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.26	163	57901	6.21	ng	99
70) Phenanthrene	17.60	178	79018	6.39	ng	98
74) Fluoranthene	19.59	202	133918	9.07	ng	99
77) Pyrene	19.96	202	141787	9.78	ng	99
80) Benzo(a)anthracene	21.81	228	74730	5.17	ng	# 94
82) Chrysene	21.88	228	72138	5.19	ng	# 96
85) Indeno(1,2,3-cd)pyrene	28.97	276	38179m	2.31	ng	
87) Benzo(b)fluoranthene	24.10	252	94327	6.62	ng	# 93
88) Benzo(k)fluoranthene	24.16	252	40507m	2.91	ng	
89) Benzo(a)pyrene	25.01	252	72922	5.29	ng	# 90
91) Benzo(g,h,i)perylene	30.17	276	31717	2.34	ng	# 89

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

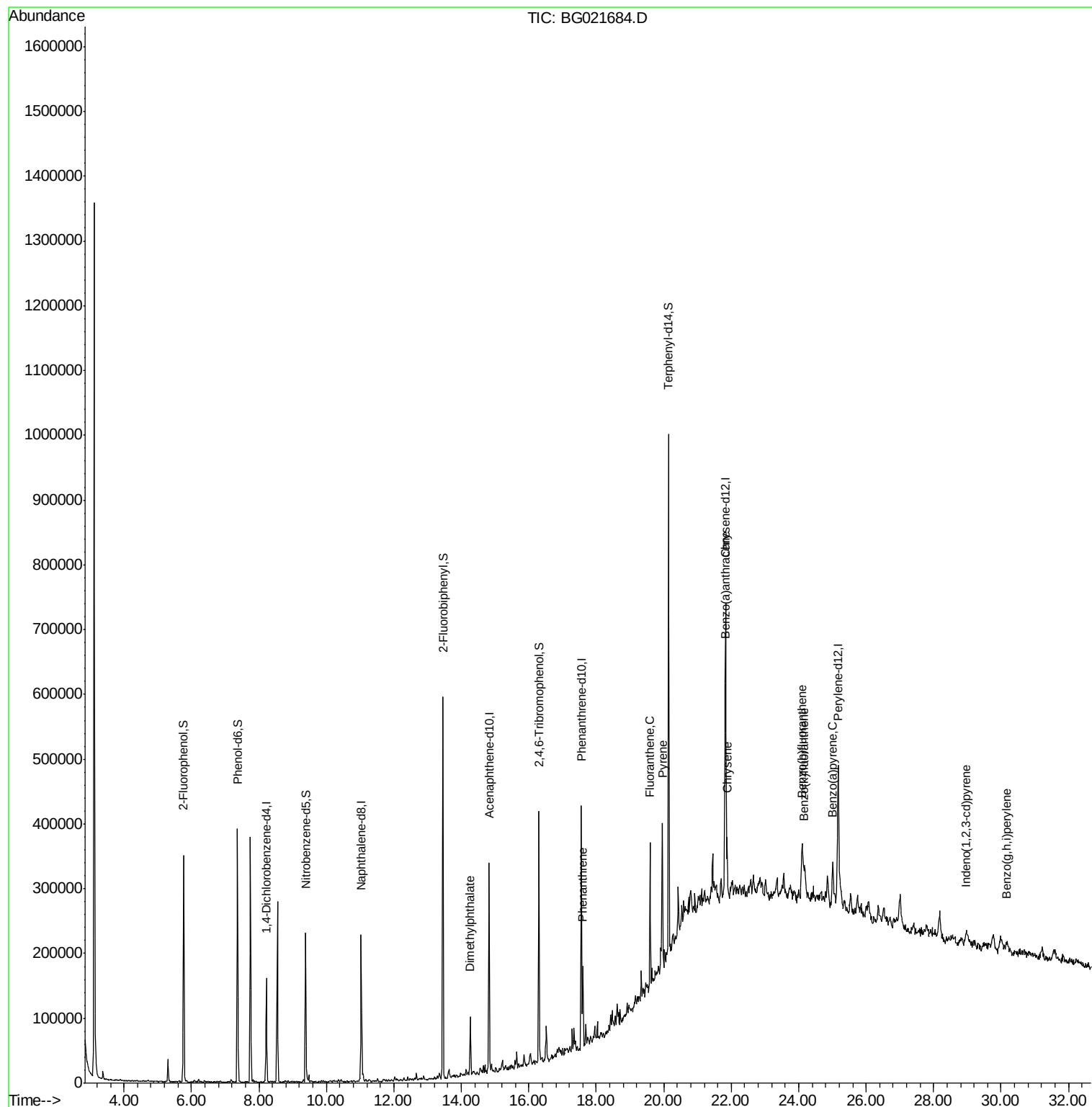
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021684.D
Acq On : 15 Apr 2016 12:40
Operator : UM/SJ
Sample : H2412-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

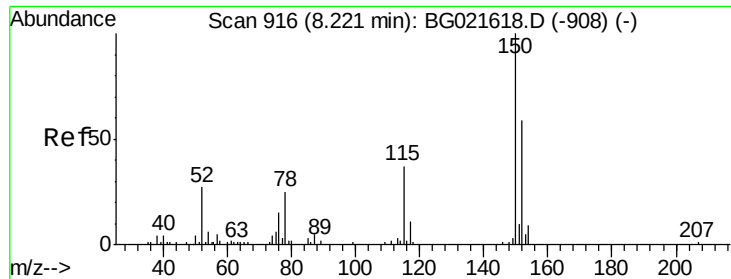
Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)A

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Instrument :

BNA_G

ClientSampled :

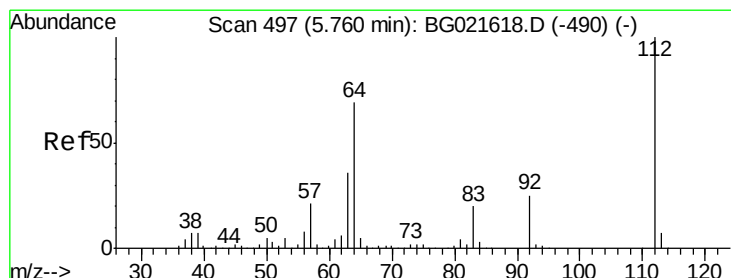
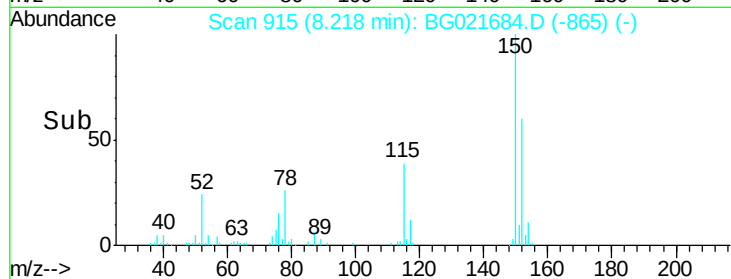
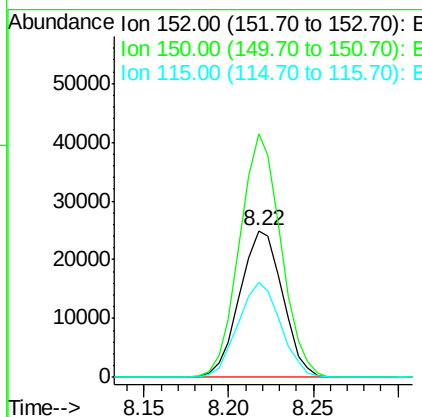
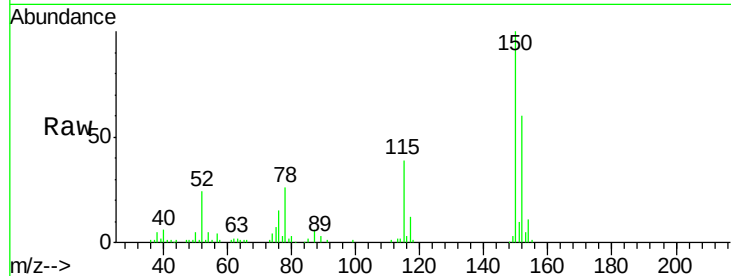
SP-7W(0-2)A

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Tgt Ion:	152	Resp:	43876
Ion	Ratio	Lower	Upper
152	100		
150	166.4	130.1	195.1
115	65.4	62.2	93.2



#5

2-Fluorophenol

Concen: 60.90 ng

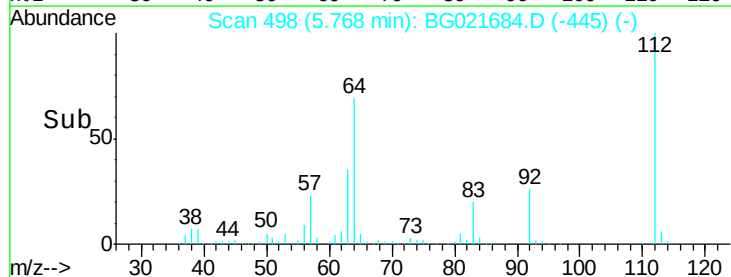
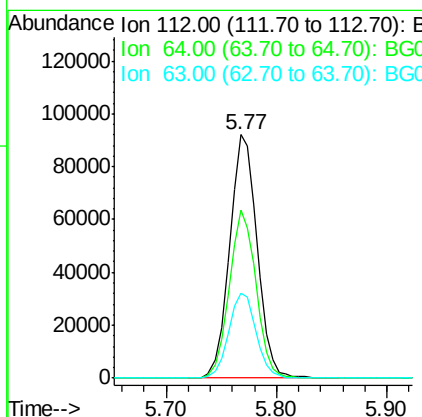
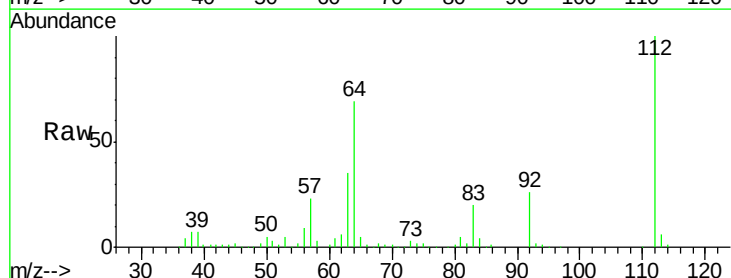
RT: 5.77 min Scan# 498

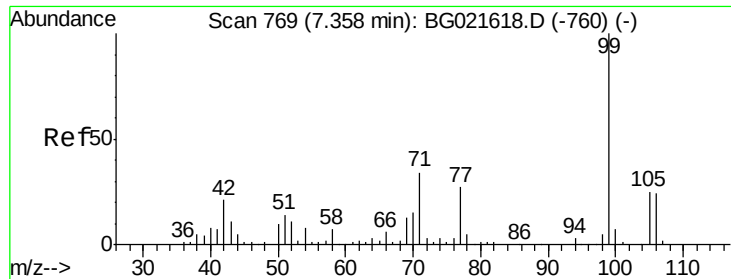
Delta R.T. 0.01 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Tgt Ion:	112	Resp:	160468
Ion	Ratio	Lower	Upper
112	100		
64	69.1	51.1	76.7
63	34.7	24.6	37.0





#7

Phenol-d6

Concen: 59.89 ng

RT: 7.37 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Instrument :

BNA_G

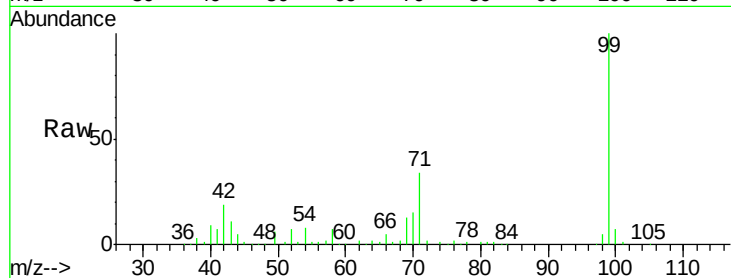
ClientSampleId :

SP-7W(0-2)A

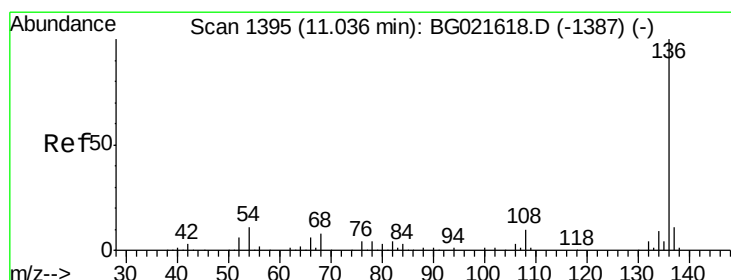
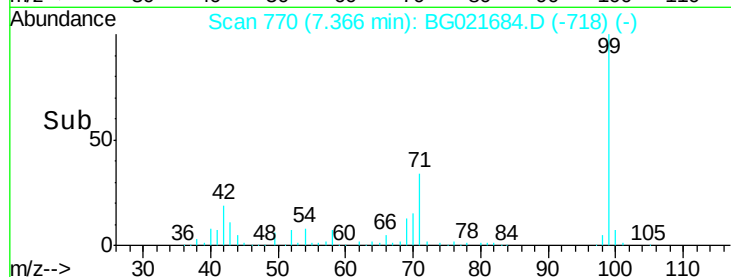
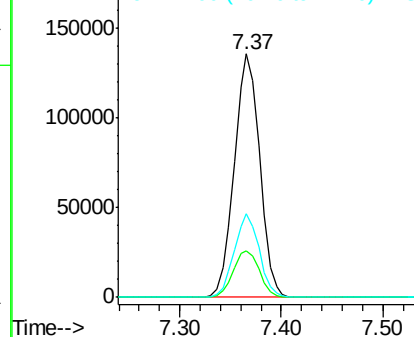
Tgt Ion:	99	Resp:	235696
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.4	24.6
71	34.3	25.0	37.4

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

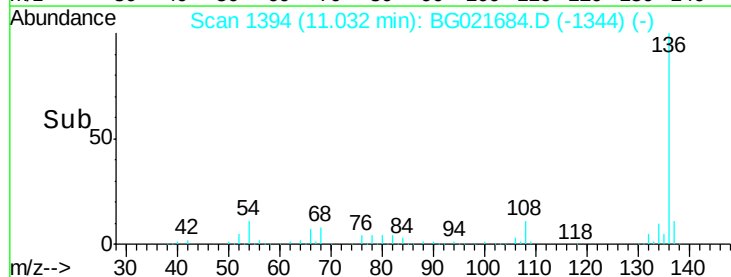
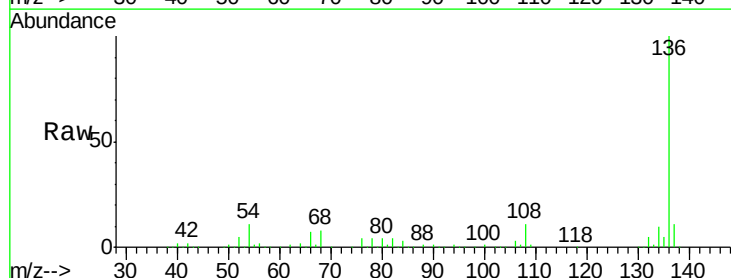
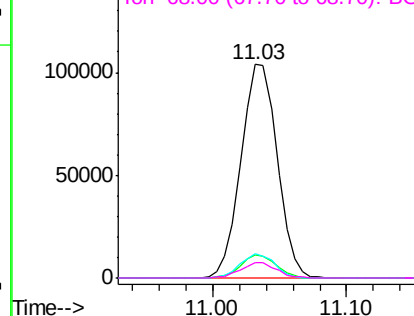
Delta R.T. -0.00 min

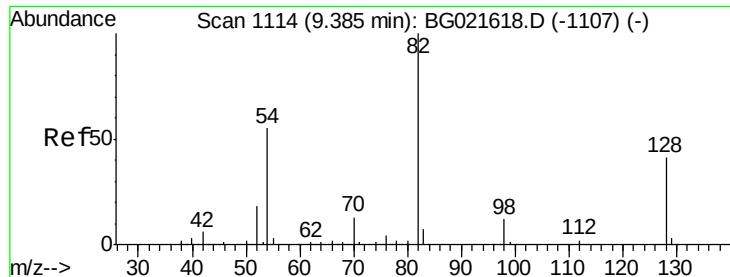
Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Tgt Ion:	136	Resp:	195252
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	11.1	9.6	14.4
68	7.5	6.4	9.6

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





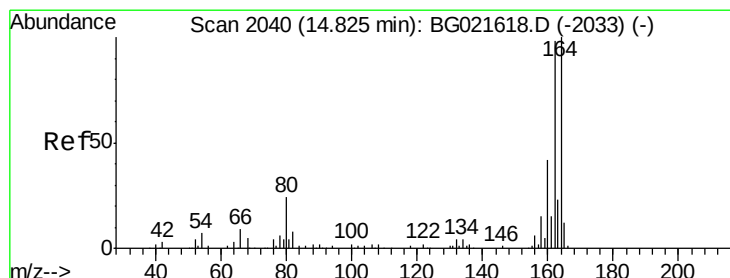
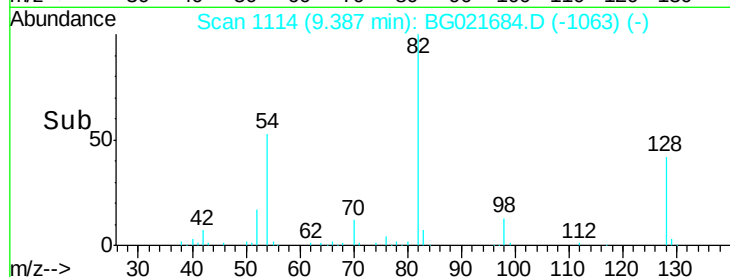
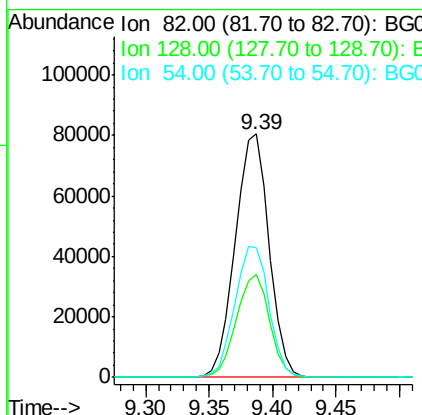
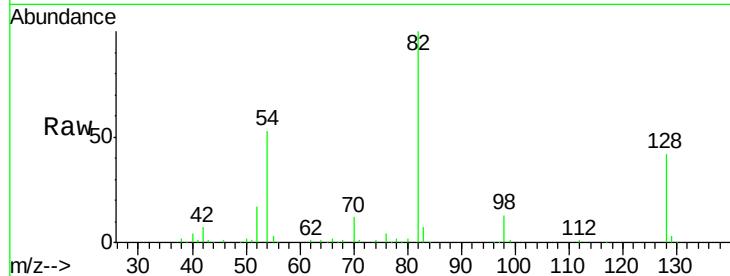
#23
 Nitrobenzene-d5
 Concen: 39.07 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	148431		
128	42.2	33.4	50.0	
54	53.3	46.1	69.1	

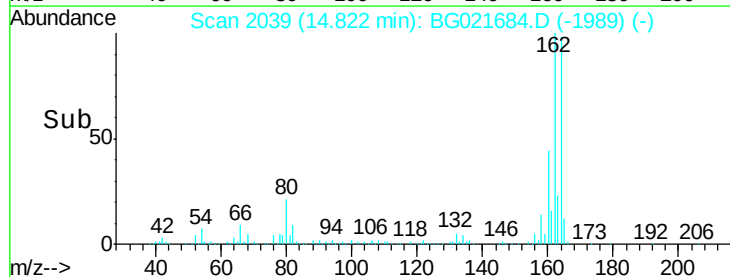
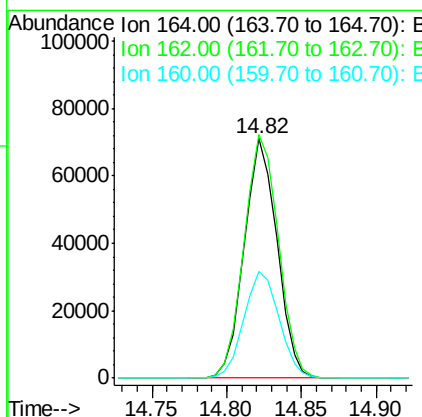
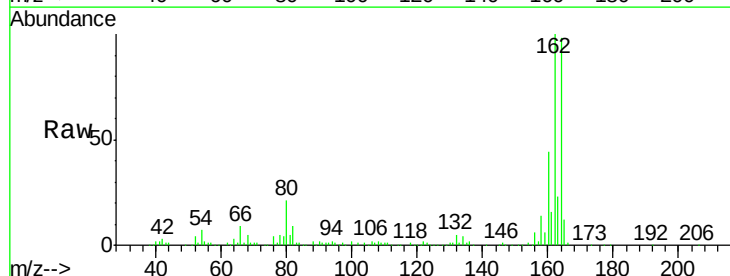
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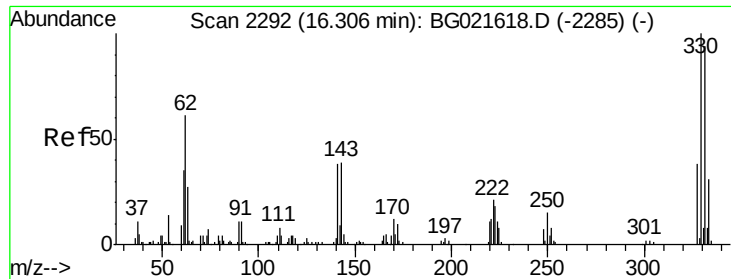
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107845		
162	101.7	78.0	117.0	
160	44.8	32.9	49.3	





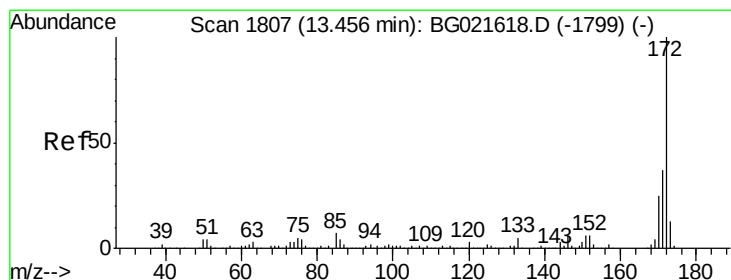
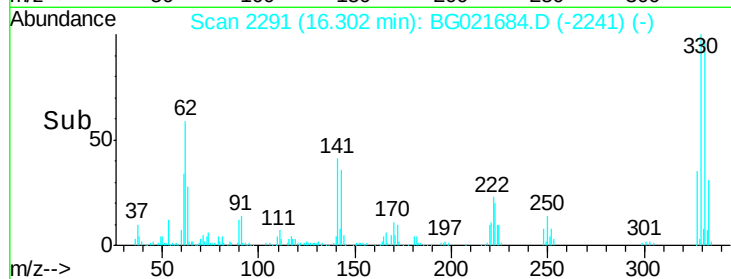
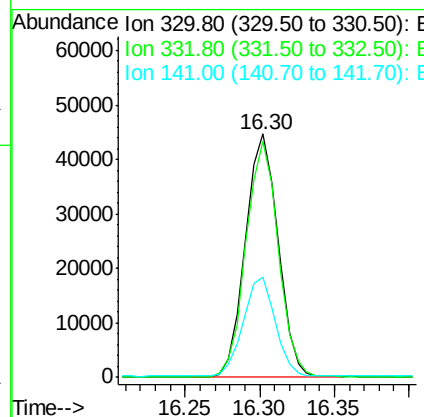
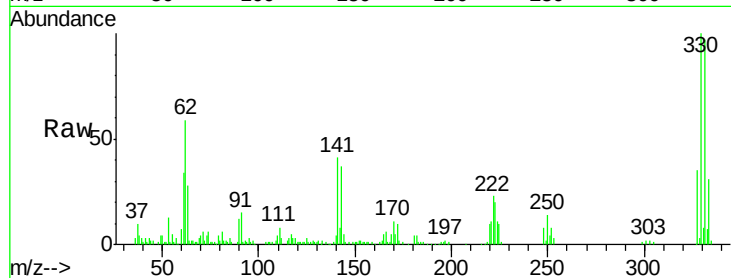
#41
 2,4,6-Tribromophenol
 Concen: 58.55 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	68058		
332	95.9	78.0	117.0	
141	39.6	33.8	50.8	

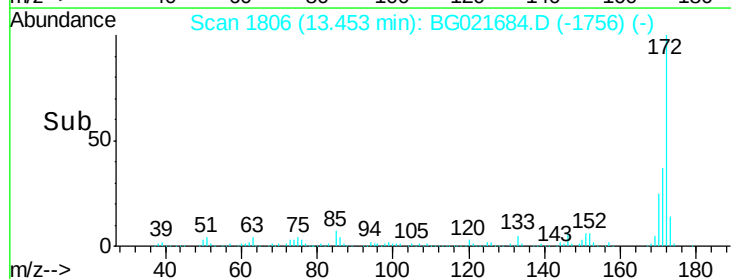
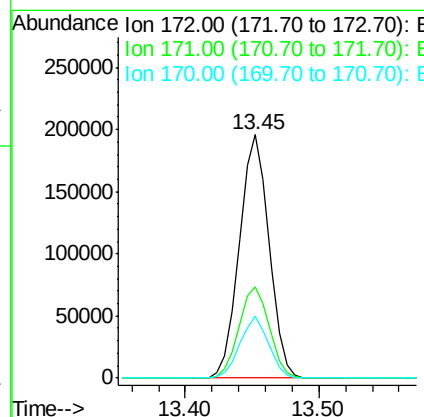
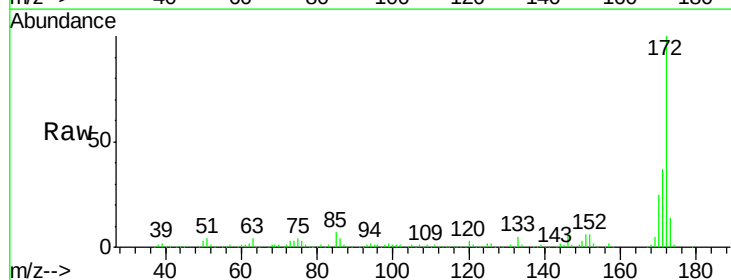
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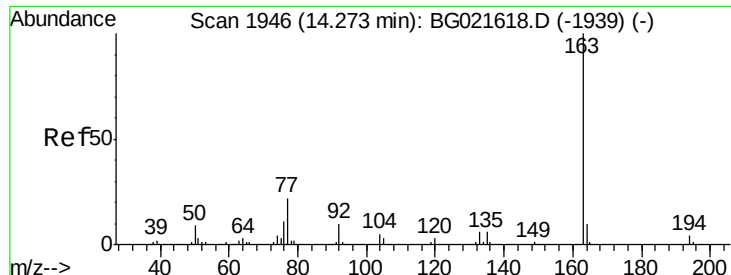
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#44
 2-Fluorobiphenyl
 Concen: 40.95 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	301426		
171	37.5	27.8	41.6	
170	25.2	19.6	29.4	





#49

Dimethylphthalate

Concen: 6.21 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021684.D

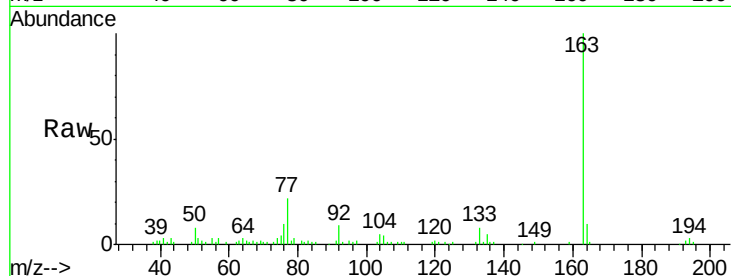
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Instrument :

BNA_G

ClientSampleId :

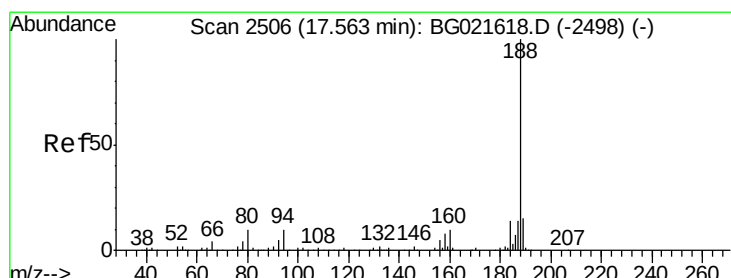
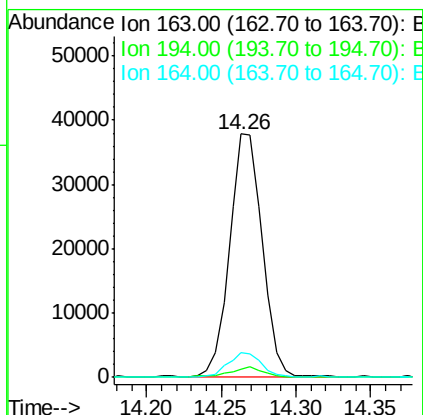
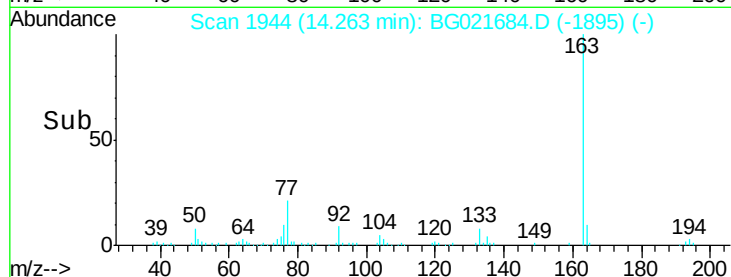
SP-7W(0-2)A



Tgt Ion:	163	Resp:	57901
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.0	4.6
164	9.9	8.1	12.1

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#63

Phenanthrene-d10

Concen: 20.00 ng

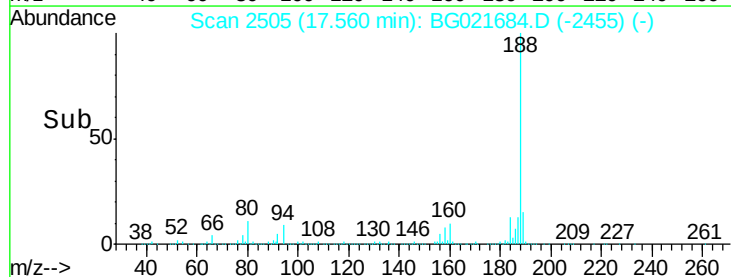
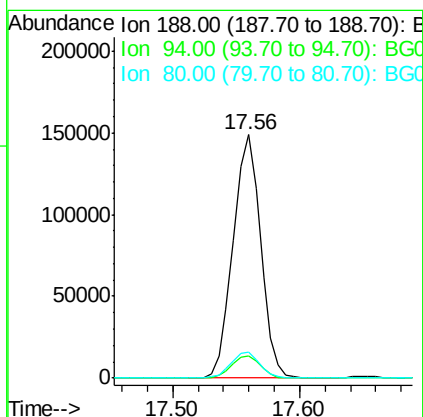
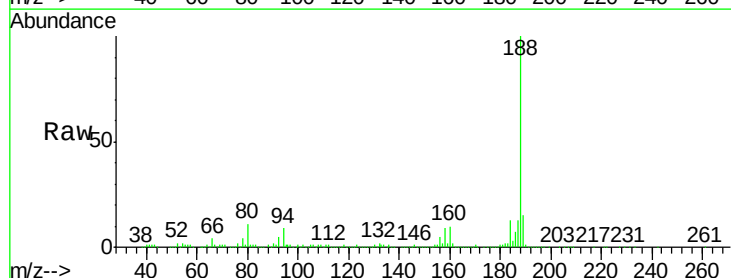
RT: 17.56 min Scan# 2505

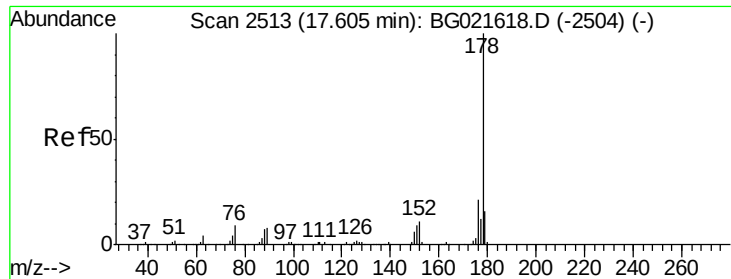
Delta R.T. -0.00 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Tgt Ion:	188	Resp:	224273
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.5	11.3
80	10.7	8.6	13.0





#70

Phenanthrene

Concen: 6.39 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG021684.D

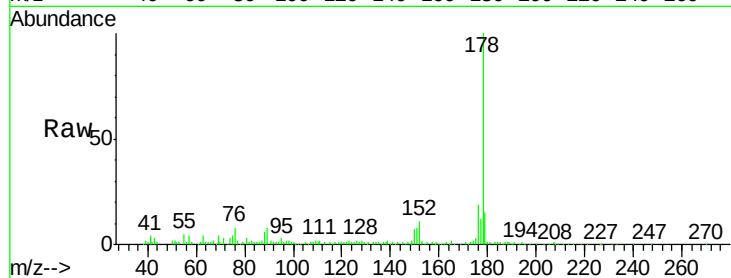
Acq: 15 Apr 2016 12:40

Instrument :

BNA_G

ClientSampleId :

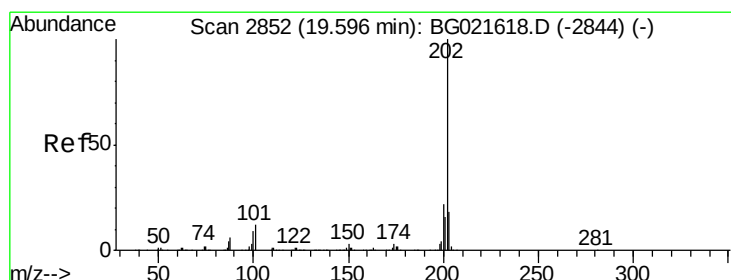
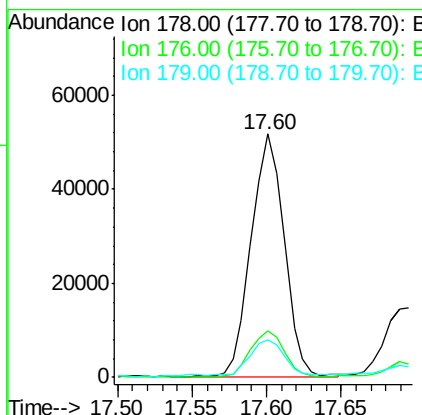
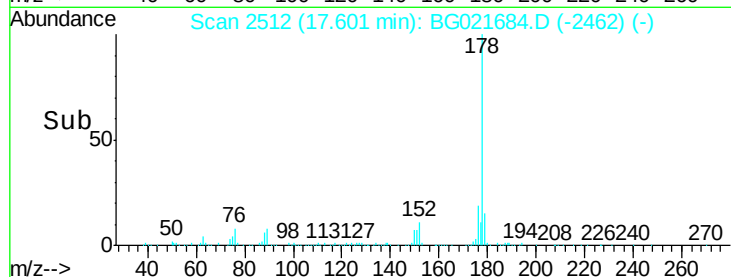
SP-7W(0-2)A



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.3	12.0	18.0

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#74

Fluoranthene

Concen: 9.07 ng

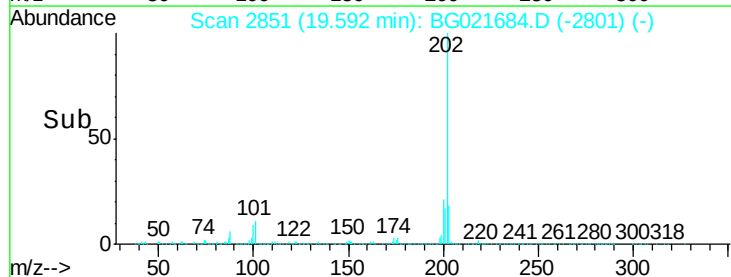
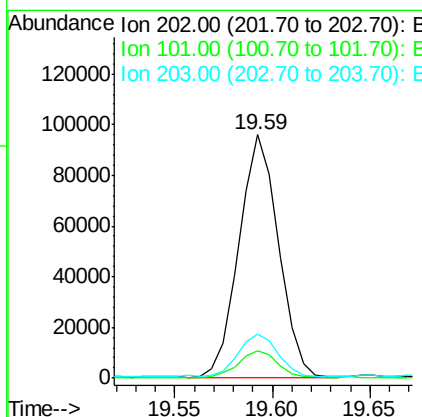
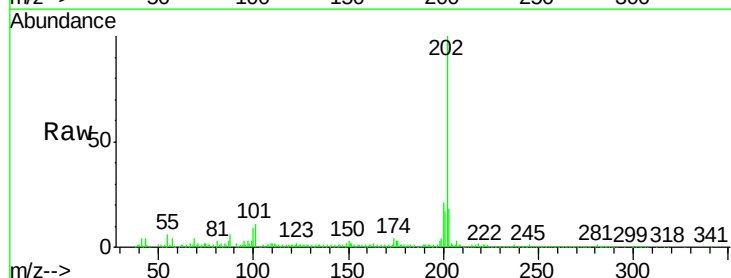
RT: 19.59 min Scan# 2851

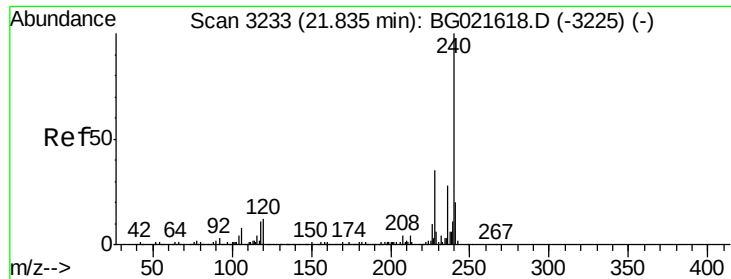
Delta R.T. -0.00 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.0
203	18.2	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BG021684.D

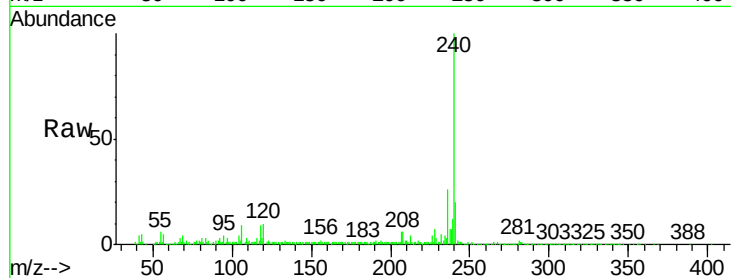
Acq: 15 Apr 2016 12:40

Instrument :

BNA_G

ClientSampleId :

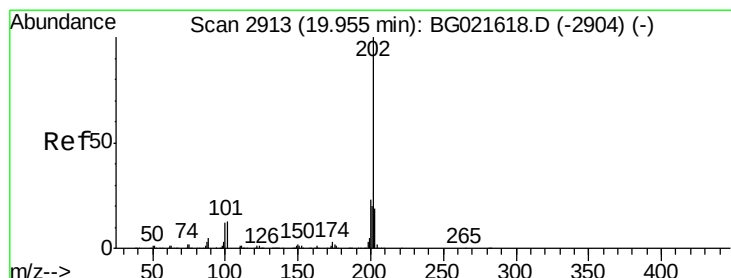
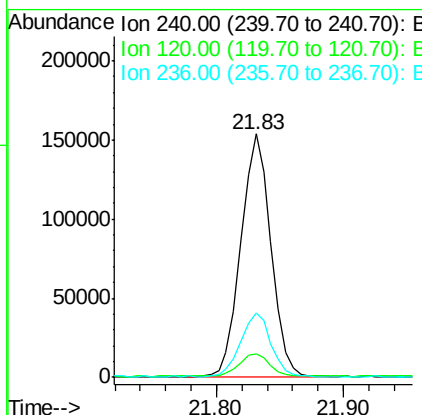
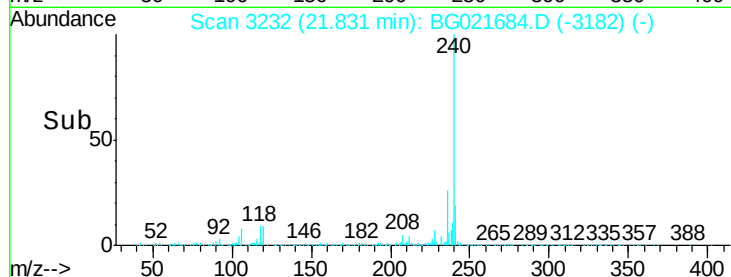
SP-7W(0-2)A



Tgt Ion:	240	Resp:	251338
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.4	12.6
236	26.2	19.6	29.4

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#77

Pyrene

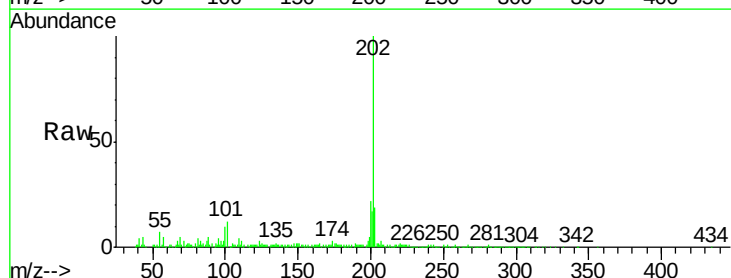
Concen: 9.78 ng

RT: 19.96 min Scan# 2913

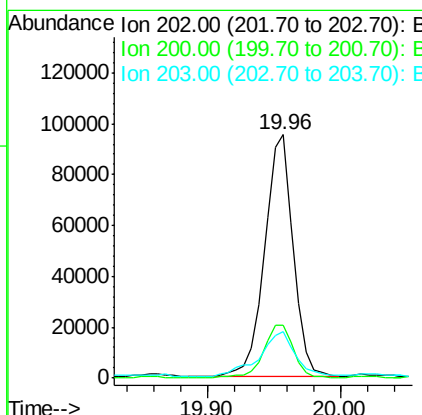
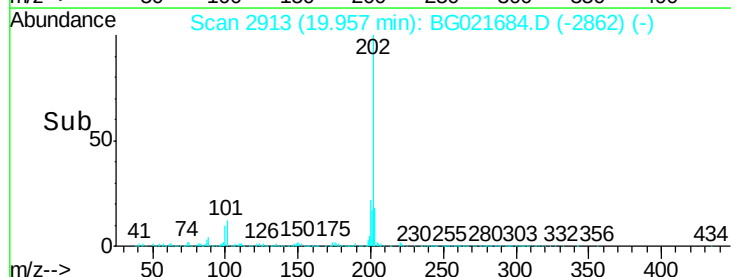
Delta R.T. 0.00 min

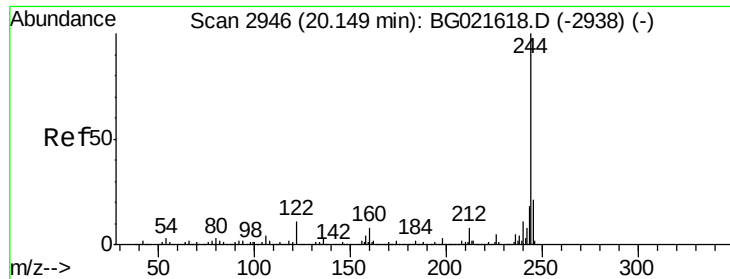
Lab File: BG021684.D

Acq: 15 Apr 2016 12:40



Tgt Ion:	202	Resp:	141787
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.2	27.2
203	19.2	15.0	22.4





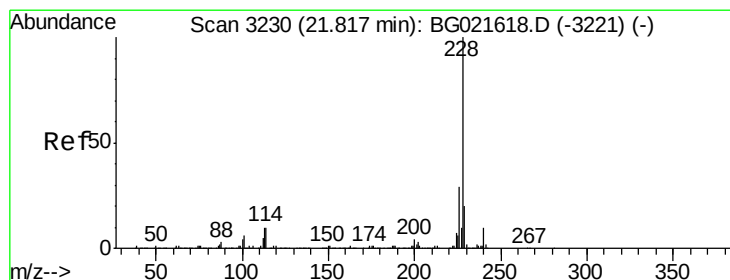
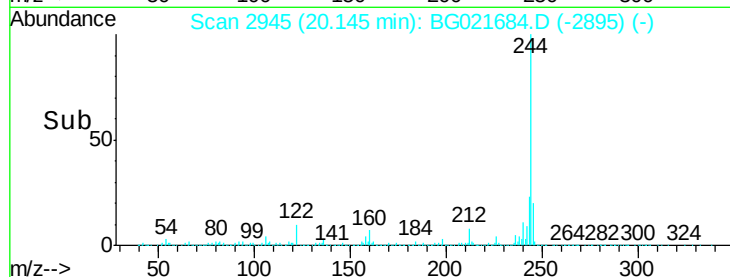
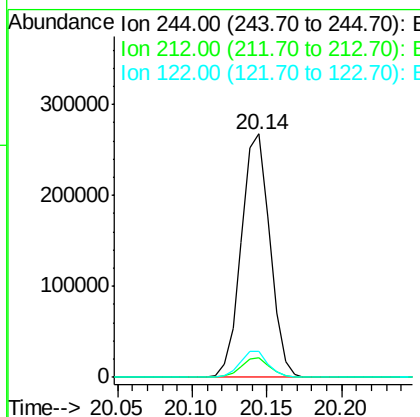
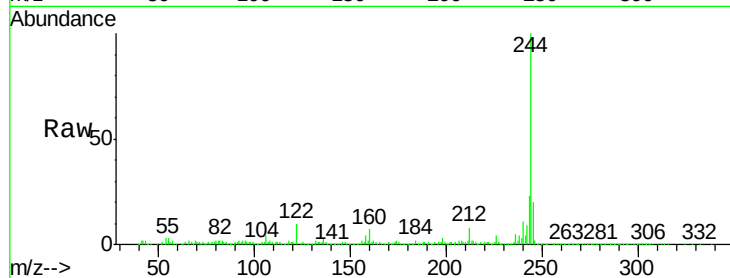
#78
 Terphenyl-d14
 Concen: 35.26 ng
 RT: 20.14 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)A

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	355148		
212	8.1	6.5	9.7	
122	10.5	8.6	12.8	

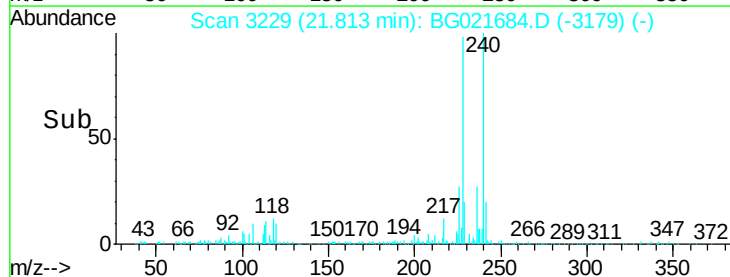
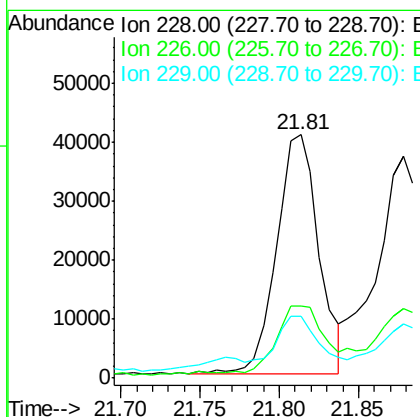
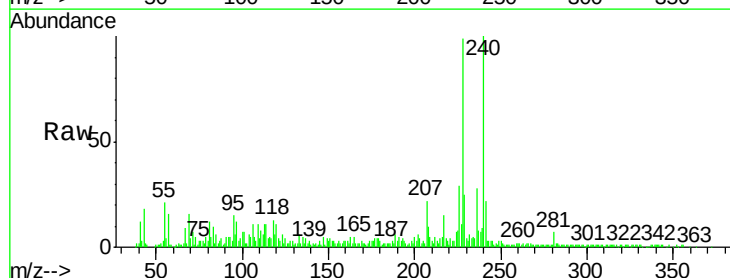
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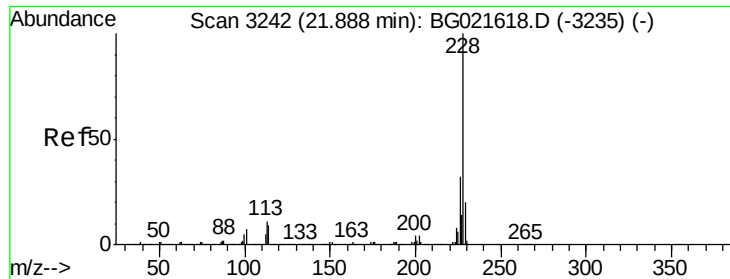
Sohil
 4/15/2016 4:44:58 PM



#80
 Benzo(a)anthracene
 Concen: 5.17 ng
 RT: 21.81 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	74730		
226	29.5	22.6	34.0	
229	25.5	16.1	24.1	





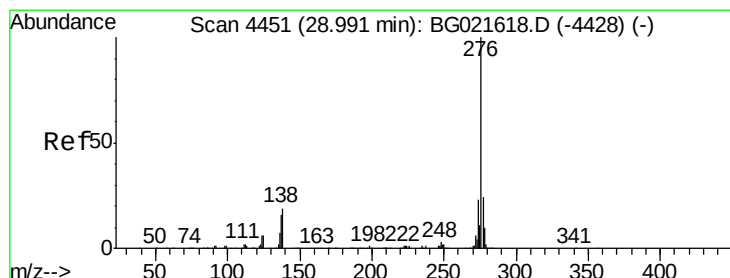
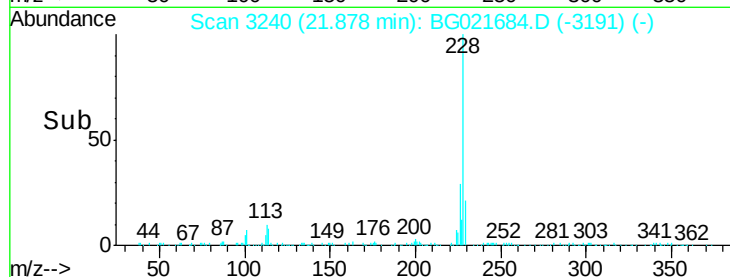
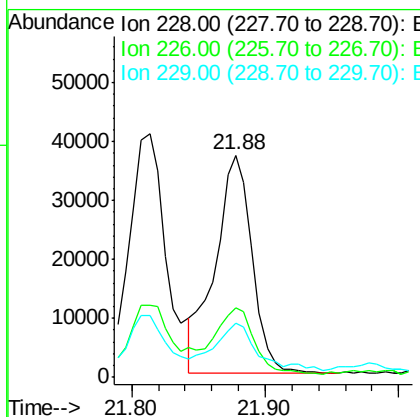
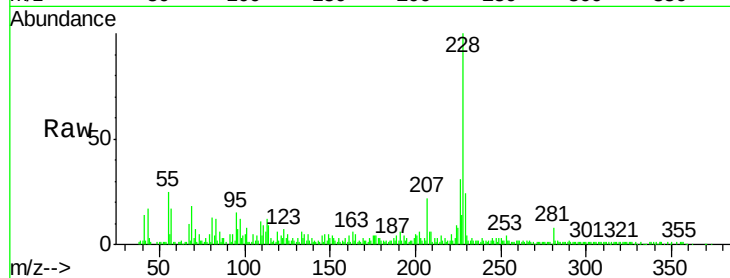
#82
Chrysene
Concen: 5.19 ng
RT: 21.88 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	72138		
226	31.1	25.4	38.0	
229	24.3	15.9	23.9	

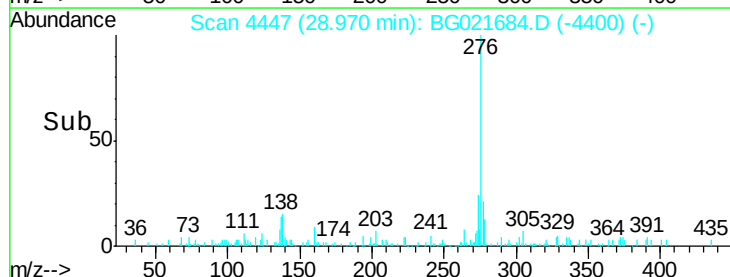
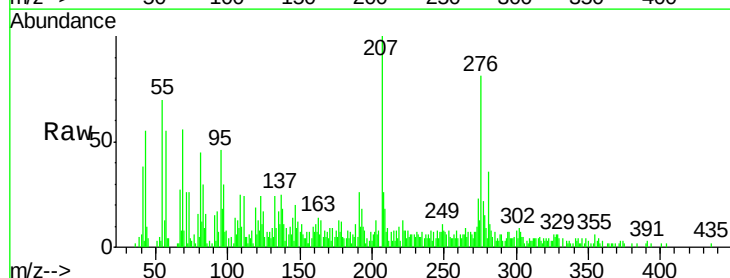
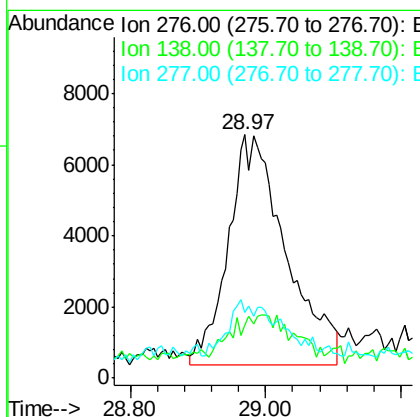
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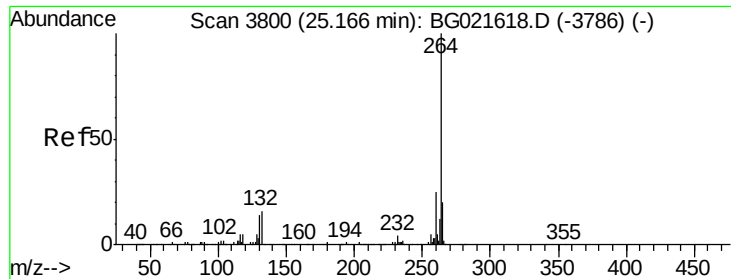
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng m
RT: 28.97 min Scan# 4447
Delta R.T. -0.02 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	38179		
138	4.7	14.0	21.0	
277	10.1	20.6	30.8	





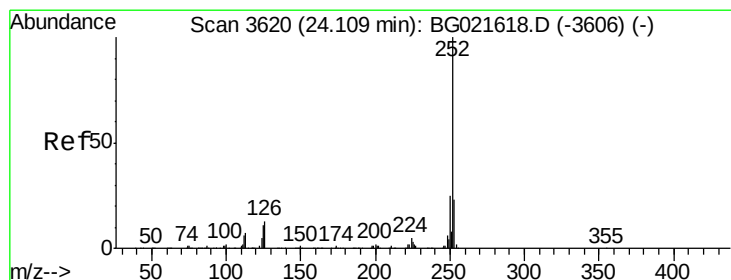
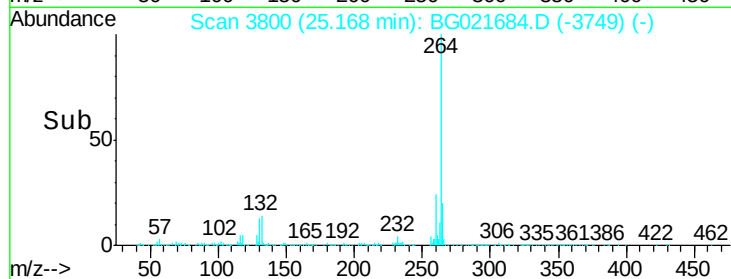
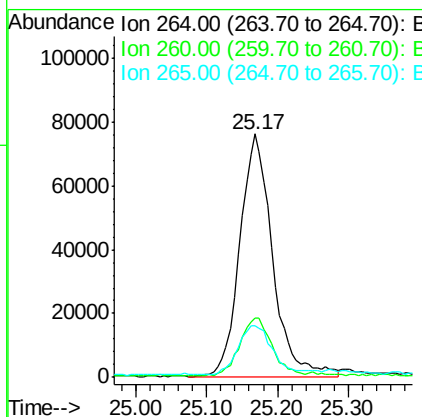
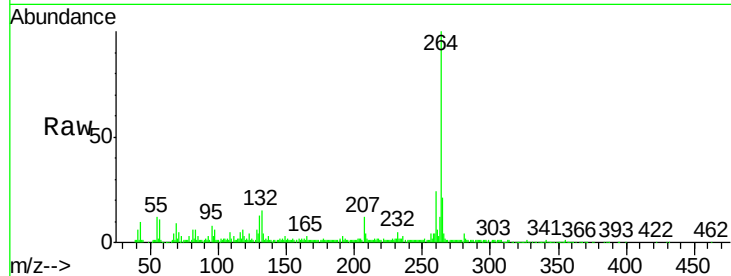
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Instrument :
BNA_G
ClientSampleId :
SP-7W(0-2)A

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	245428		
260	24.5	20.2	30.4	
265	21.3	17.8	26.8	

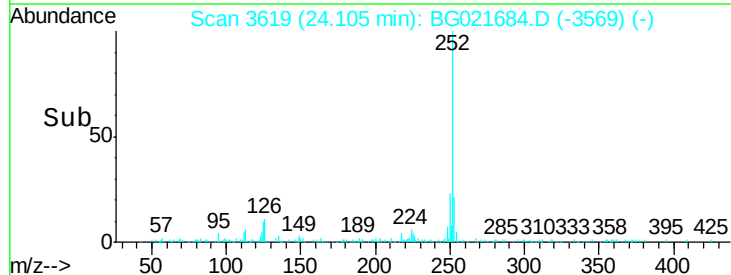
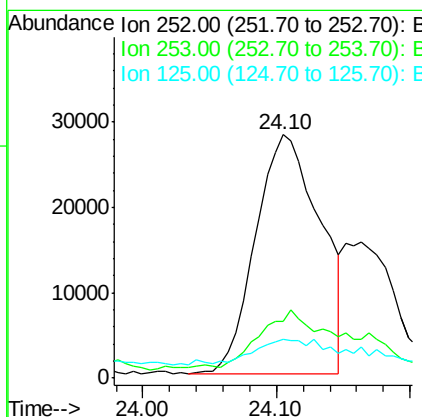
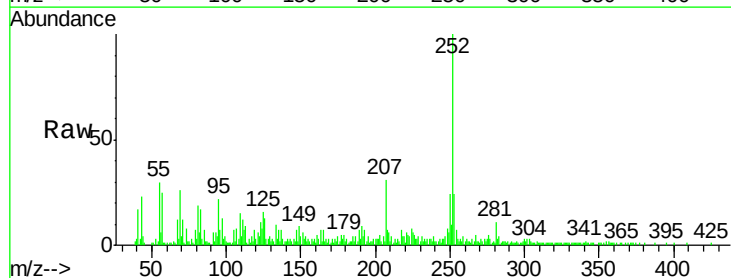
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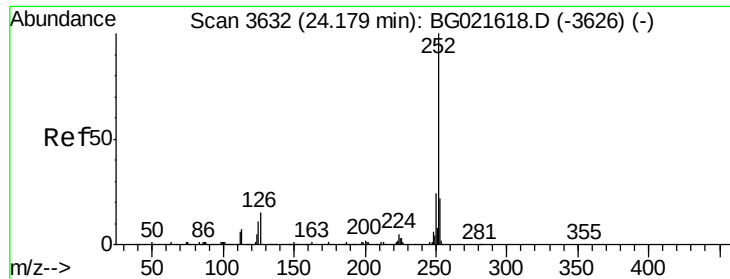
Sohil
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#87
Benzo(b)fluoranthene
Concen: 6.62 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	94327		
253	23.5	17.5	26.3	
125	16.0	8.6	13.0	





#88

Benzo(k)fluoranthene

Concen: 2.91 ng m

RT: 24.16 min Scan# 3629

Delta R.T. -0.02 min

Lab File: BG021684.D

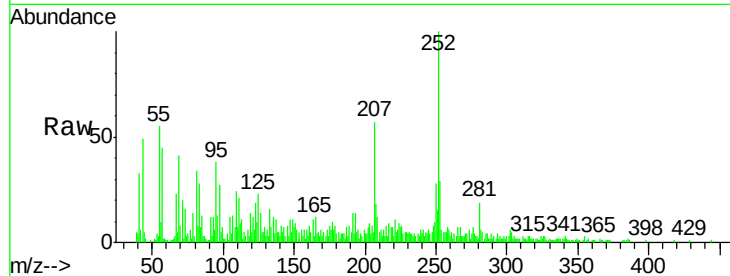
Acq: 15 Apr 2016 12:40

Instrument :

BNA_G

ClientSampleId :

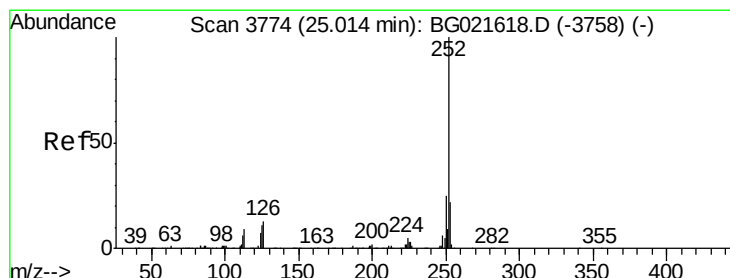
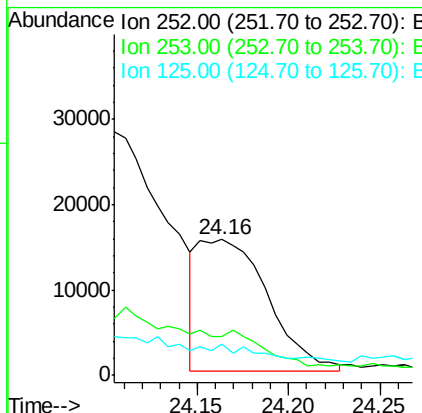
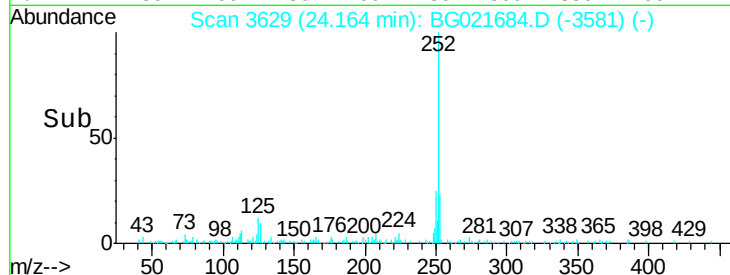
SP-7W(0-2)A



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.8	26.8#
125	23.3	8.3	12.5#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 5.29 ng

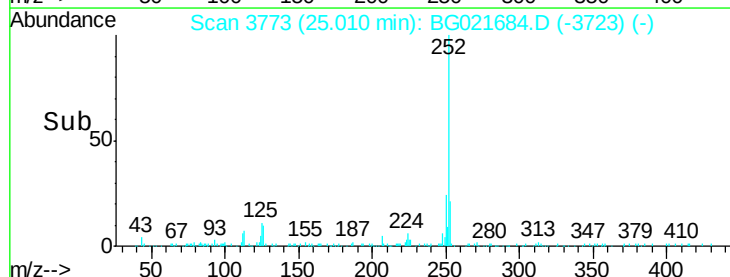
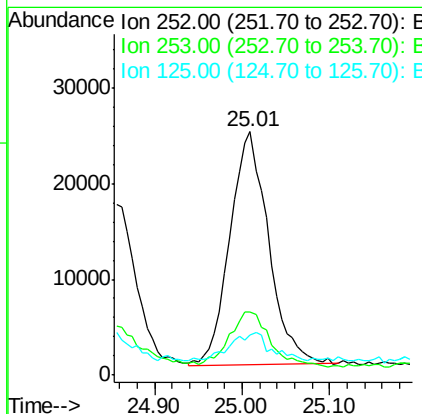
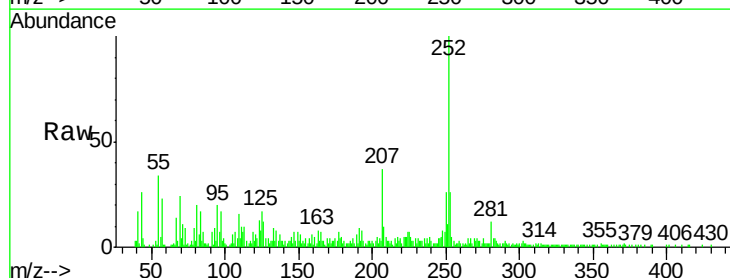
RT: 25.01 min Scan# 3773

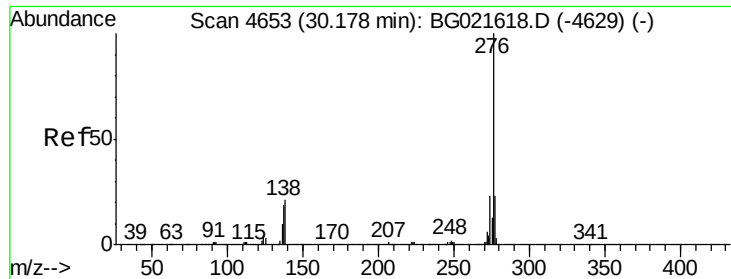
Delta R.T. -0.00 min

Lab File: BG021684.D

Acq: 15 Apr 2016 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	16.5	9.6	14.4#





#91
 Benzo(g,h,i)perylene
 Concen: 2.34 ng
 RT: 30.17 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: BG021684.D
 Acq: 15 Apr 2016 12:40

Instrument :
 BNA_G
 ClientSampleId :
 SP-7W(0-2)A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.4	19.4	29.2#
138	18.7	17.4	26.0

Manual Integrations
 APPROVED

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