

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021792.D
 Acq On : 20 Apr 2016 19:43
 Operator : UM/SJ
 Sample : H2413-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Manual Integrations
 APPROVED

Sohil
 4/21/2016 10:38:03 AM

Quant Time: Apr 21 03:18:36 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	45231	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	193596	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	105702	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	218893	20.00	ng	0.00
75) Chrysene-d12	21.84	240	234963	20.00	ng	0.00
86) Perylene-d12	25.19	264	132129	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	381898	140.60	ng	0.02
7) Phenol-d6	7.38	99	546198	134.62	ng	0.02
23) Nitrobenzene-d5	9.39	82	345658	91.77	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	175617	154.16	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	669201	92.76	ng	0.00
78) Terphenyl-d14	20.15	244	747085	79.34	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	108179	11.84	ng	# 99
51) Acenaphthene	14.89	154	17194	2.47	ng	98
57) Fluorene	15.87	166	21503	2.53	ng	94
70) Phenanthrene	17.61	178	263210	21.82	ng	99
71) Anthracene	17.70	178	53199	4.34	ng	96
72) Carbazole	17.97	167	30591	2.68	ng	98
74) Fluoranthene	19.61	202	482166	33.47	ng	98
77) Pyrene	19.96	202	452665	33.41	ng	99
80) Benzo(a)anthracene	21.83	228	224714	16.62	ng	97
82) Chrysene	21.89	228	276629m	21.29	ng	
85) Indeno(1,2,3-cd)pyrene	29.03	276	51603	3.34	ng	# 86
87) Benzo(b)fluoranthene	24.13	252	222841	29.07	ng	# 94
88) Benzo(k)fluoranthene	24.18	252	129638m	17.29	ng	
89) Benzo(a)pyrene	25.04	252	139172	18.74	ng	# 87
91) Benzo(a,h,i)perylene	30.25	276	50167	6.86	ng	95

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

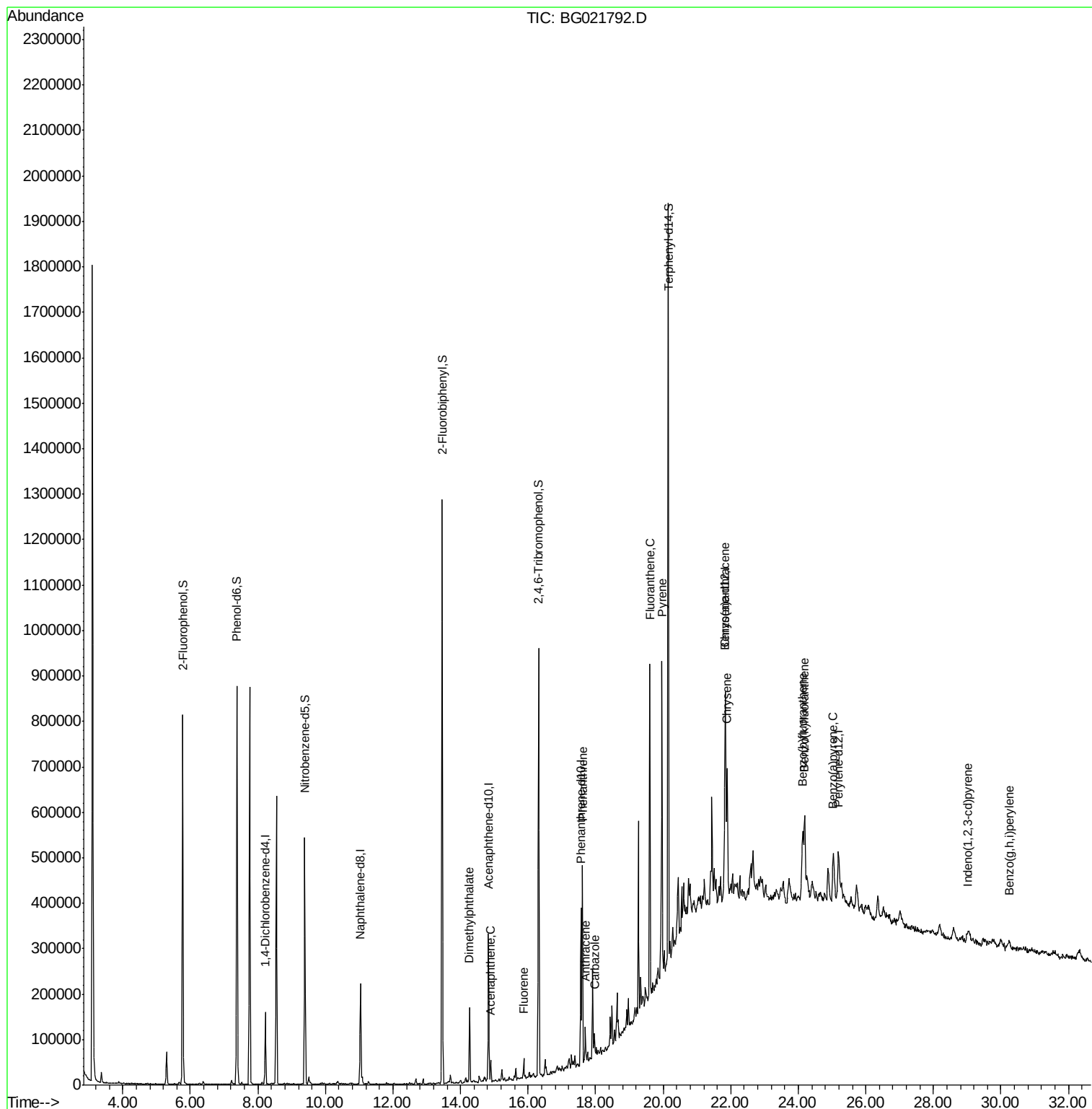
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021792.D
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ALS Vial : 16 Sample Multiplier: 1

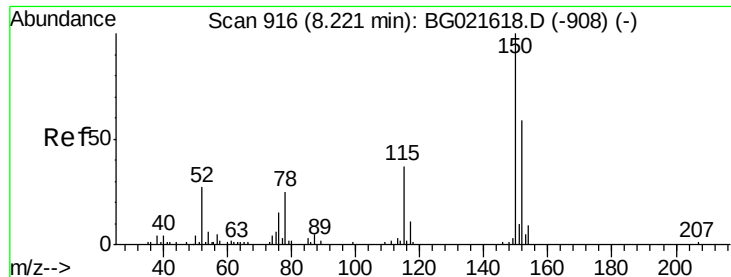
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

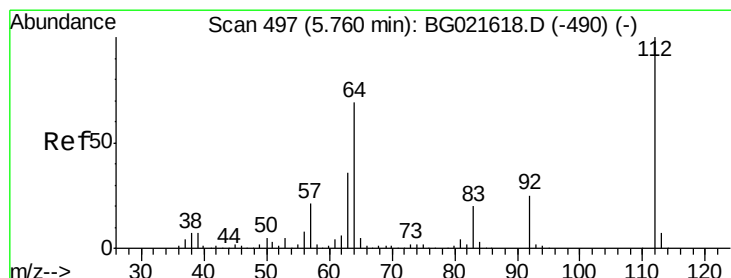
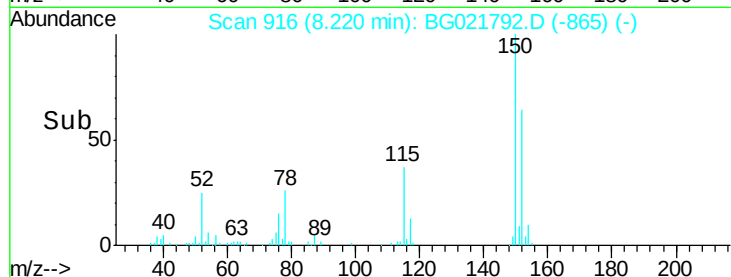
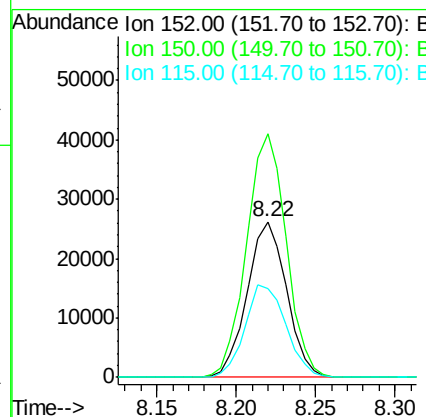
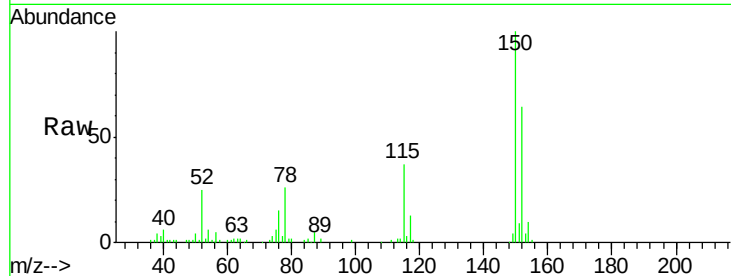
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	152	Resp:	45231
Ion Ratio	Lower	Upper	
152	100		
150	156.3	130.1	195.1
115	57.3	62.2	93.2#

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#5

2-Fluorophenol

Concen: 140.60 ng

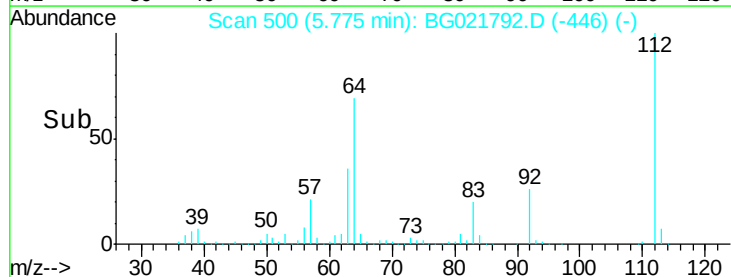
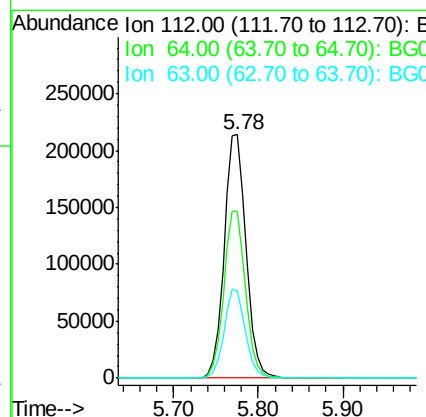
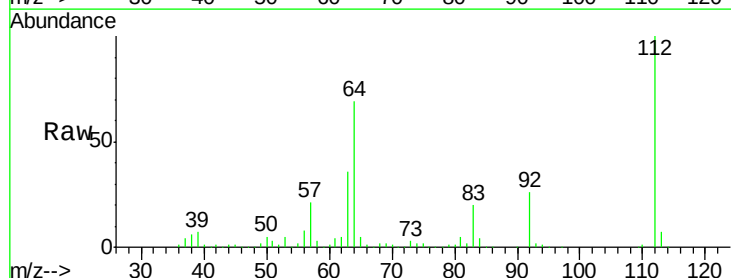
RT: 5.78 min Scan# 500

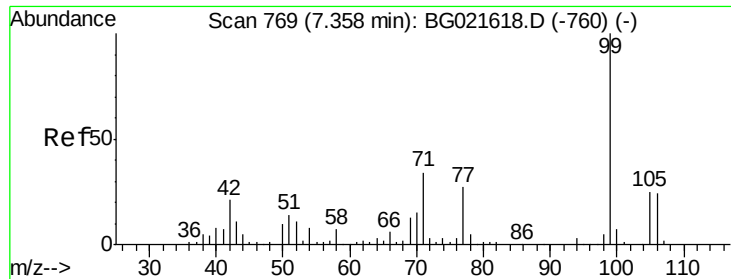
Delta R.T. 0.02 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion:	112	Resp:	381898
Ion Ratio	Lower	Upper	
112	100		
64	68.8	51.1	76.7
63	35.7	24.6	37.0





#7

Phenol-d6

Concen: 134.62 ng

RT: 7.38 min Scan# 773

Delta R.T. 0.02 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

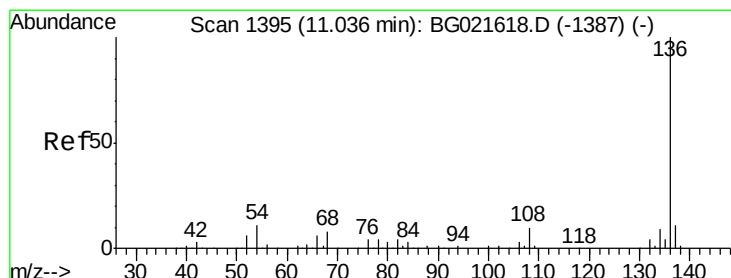
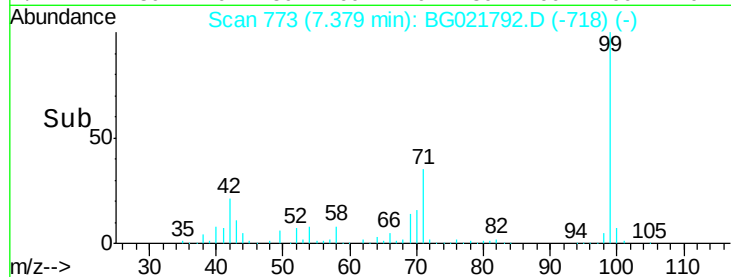
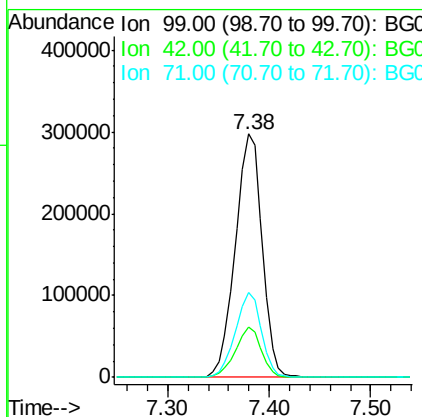
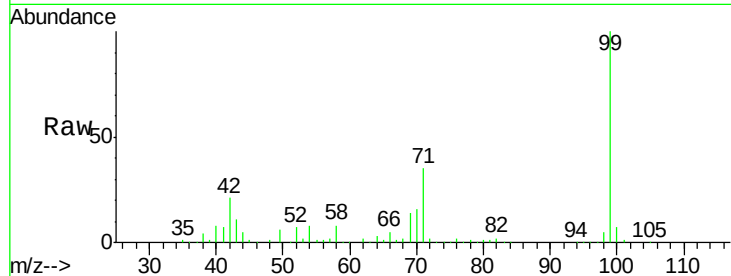
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	99	Resp:	546198
Ion Ratio		Lower	Upper
99	100		
42	20.5	16.4	24.6
71	34.6	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

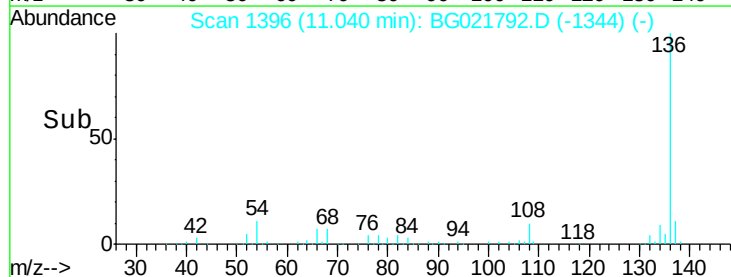
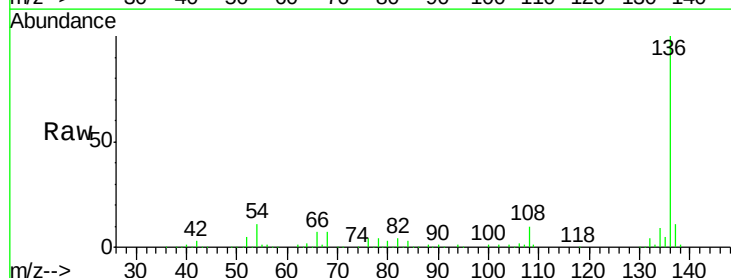
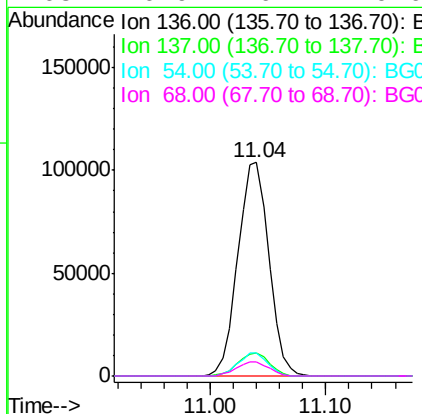
RT: 11.04 min Scan# 1396

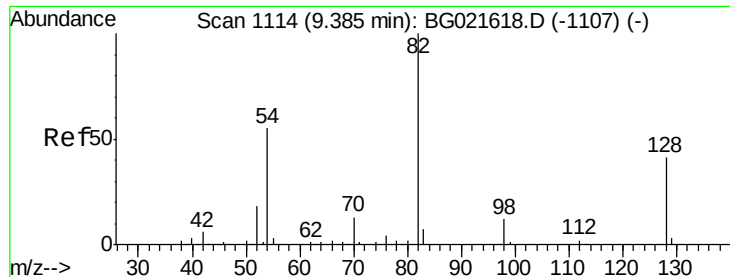
Delta R.T. 0.00 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion:	136	Resp:	193596
Ion Ratio		Lower	Upper
136	100		
137	10.9	9.0	13.4
54	10.5	9.6	14.4
68	6.9	6.4	9.6





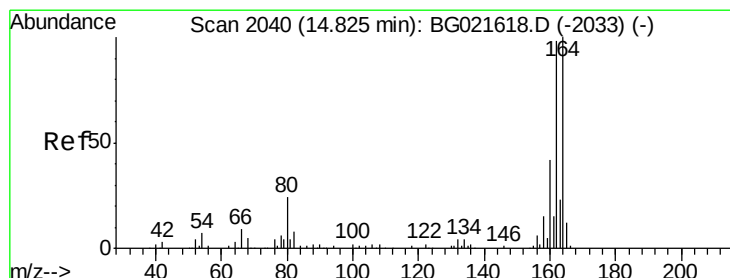
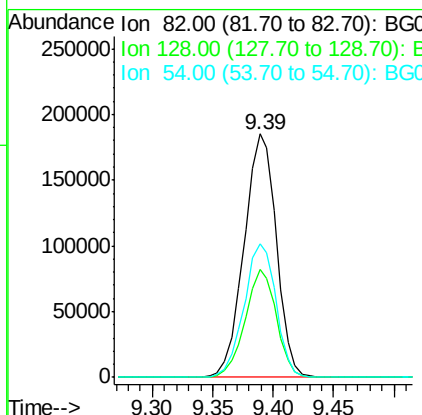
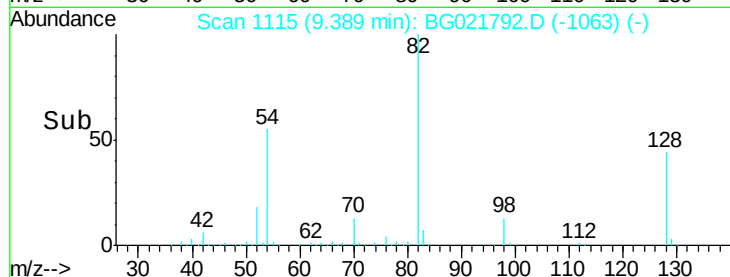
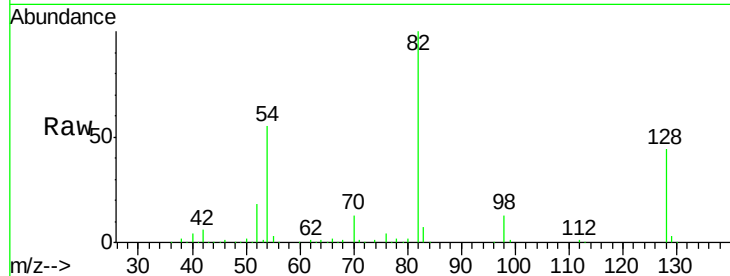
#23
 Nitrobenzene-d5
 Concen: 91.77 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	82	Resp	345658
Ion Ratio	Lower	Upper	
82	100		
128	44.3	33.4	50.0
54	54.9	46.1	69.1

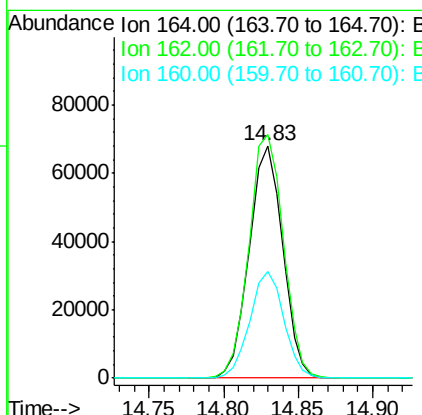
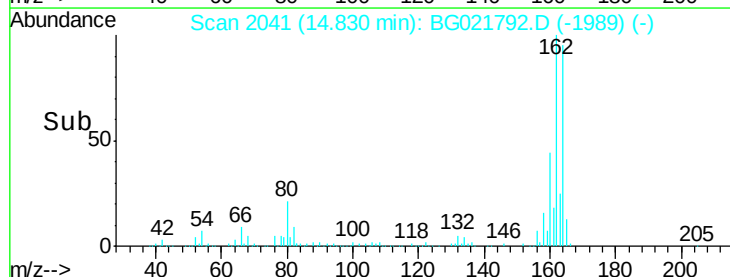
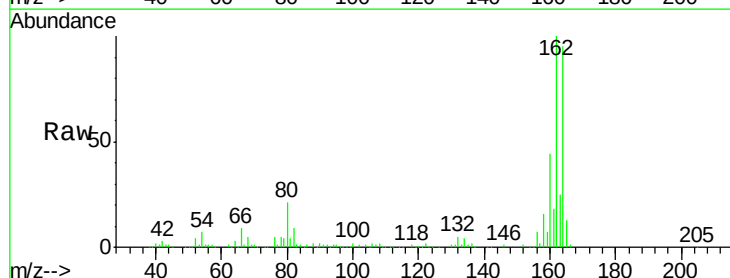
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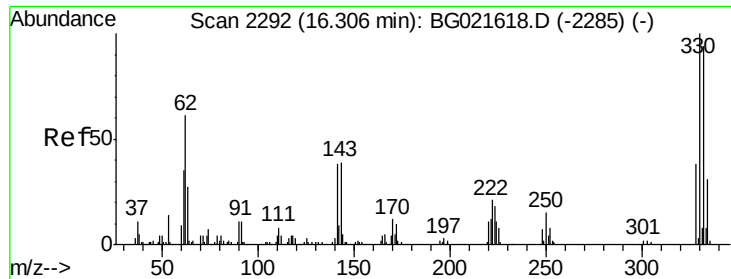
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.83 min Scan# 2041
 Delta R.T. 0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Tgt Ion	164	Resp	105702
Ion Ratio	Lower	Upper	
164	100		
162	104.7	78.0	117.0
160	45.8	32.9	49.3





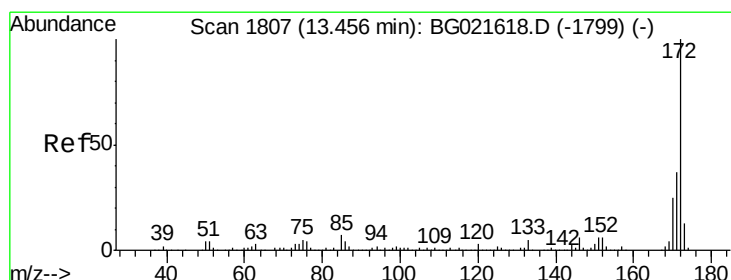
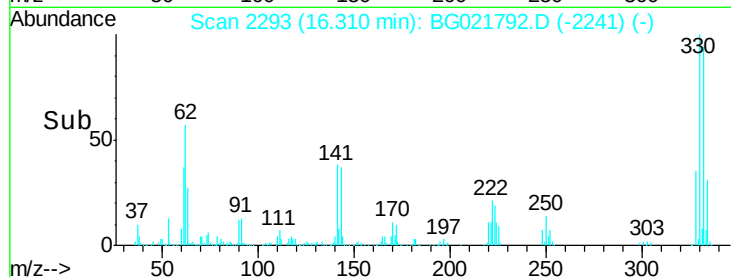
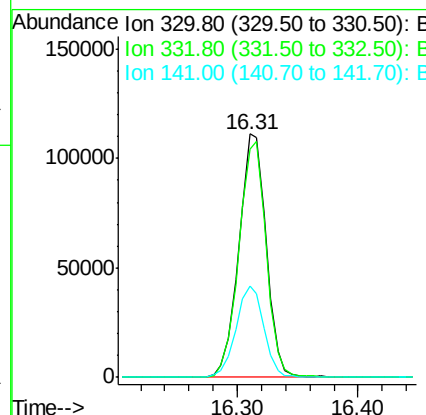
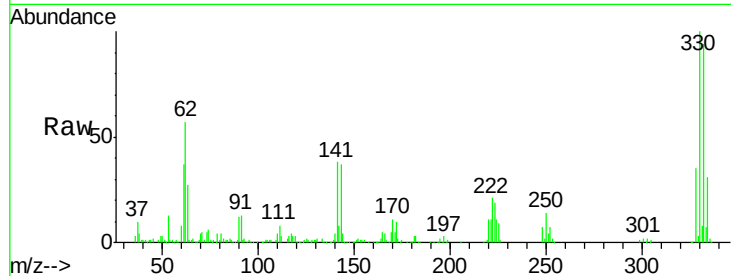
#41
 2,4,6-Tribromophenol
 Concen: 154.16 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175617		
332	96.8	78.0	117.0	
141	37.5	33.8	50.8	

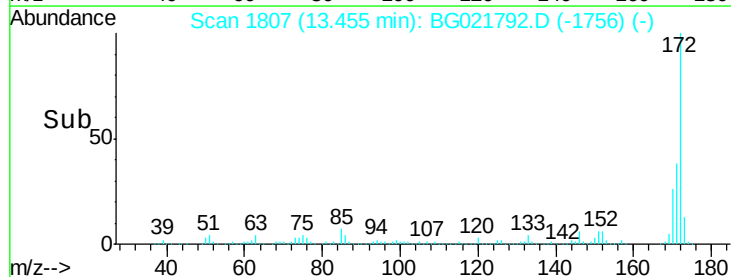
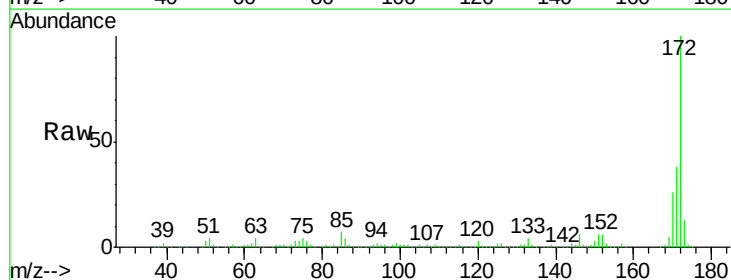
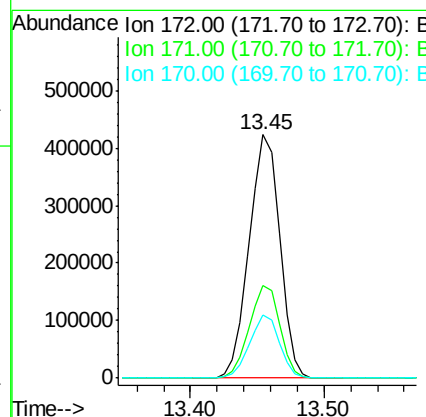
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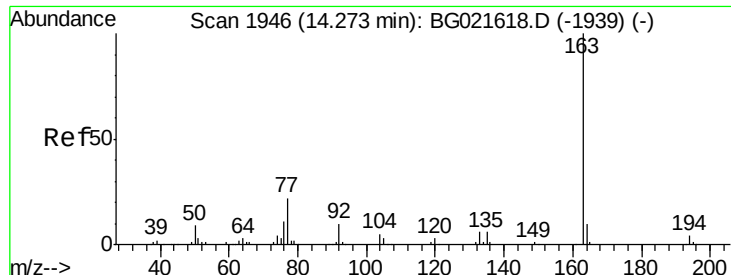
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#44
 2-Fluorobiphenyl
 Concen: 92.76 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	669201		
171	38.1	27.8	41.6	
170	25.7	19.6	29.4	





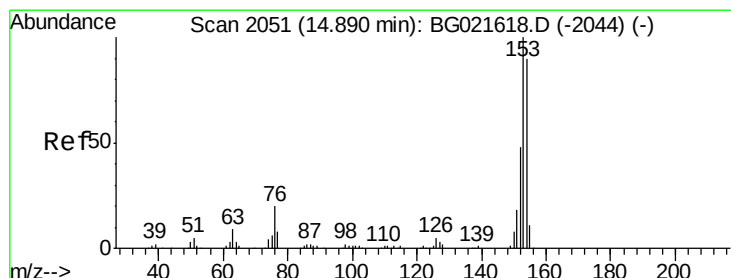
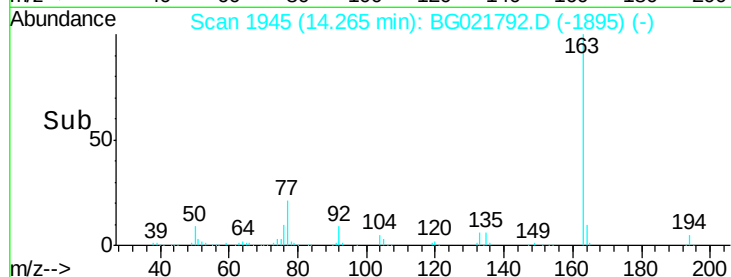
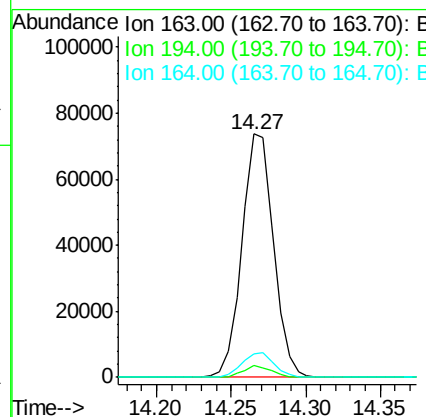
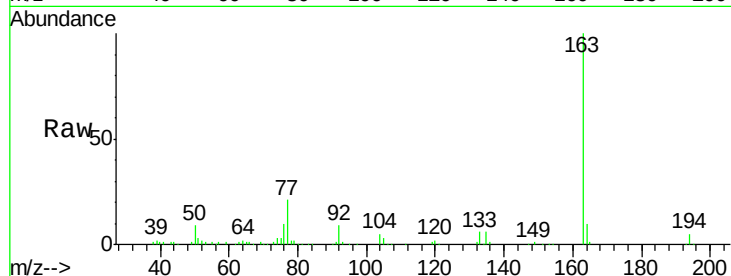
#49
Dimethylphthalate
Concen: 11.84 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.7	3.0	4.6#
164	9.8	8.1	12.1

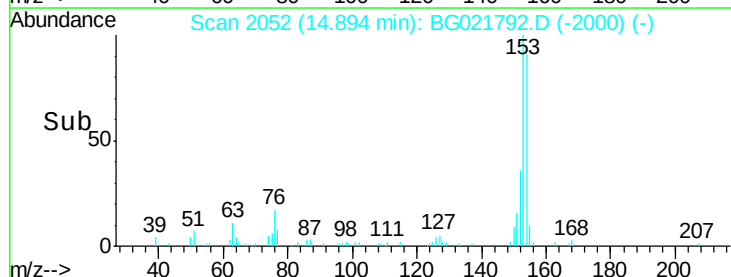
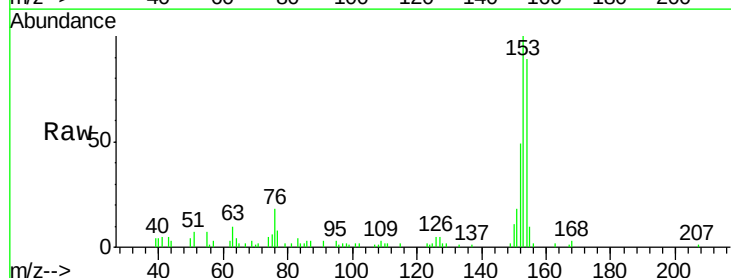
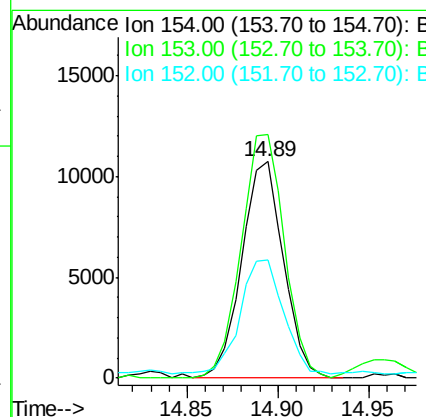
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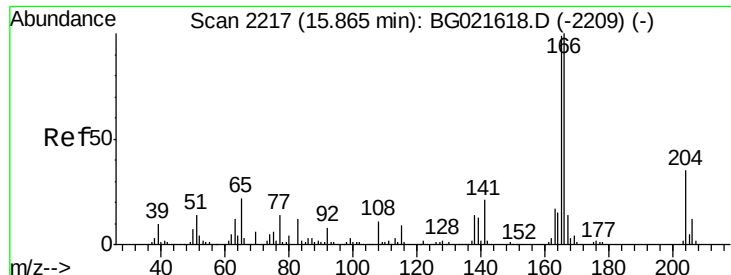
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#51
Acenaphthene
Concen: 2.47 ng
RT: 14.89 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.6	91.9	137.9
152	54.6	42.0	63.0





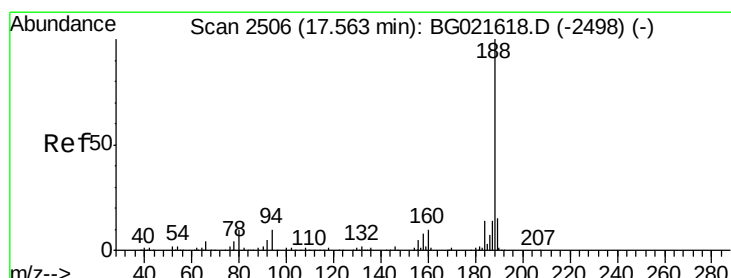
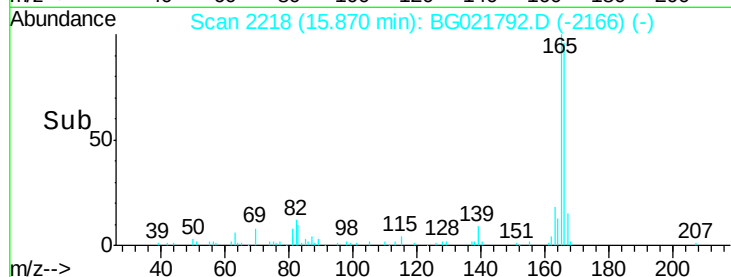
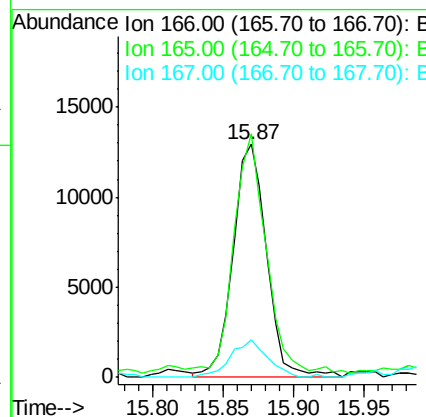
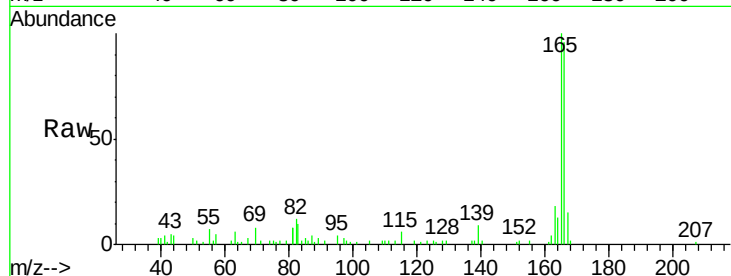
#57
 Fluorene
 Concen: 2.53 ng
 RT: 15.87 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		21503		
165	104.3	79.0	118.4		
167	15.8	10.7	16.1		

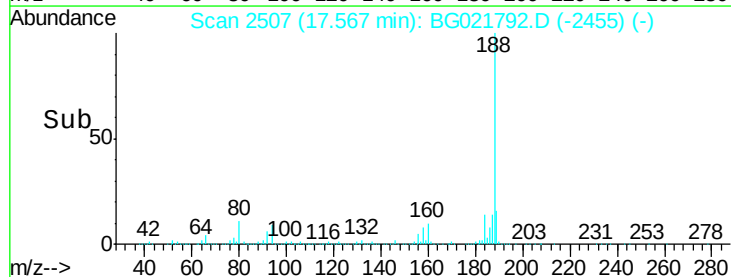
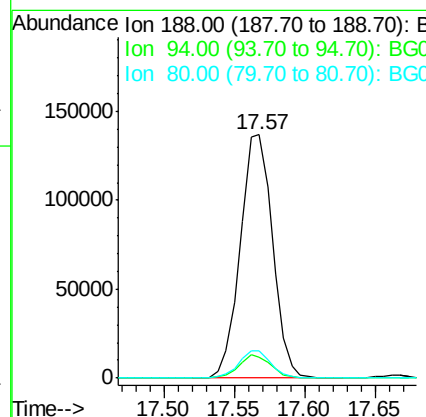
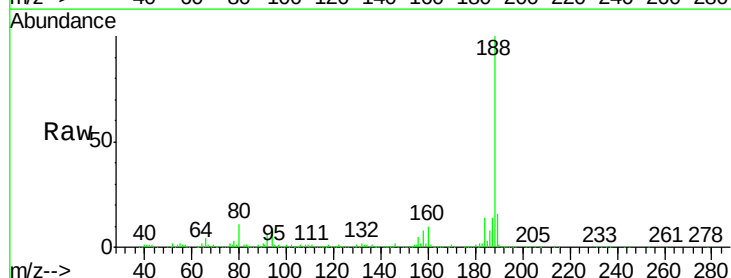
Manual Integrations
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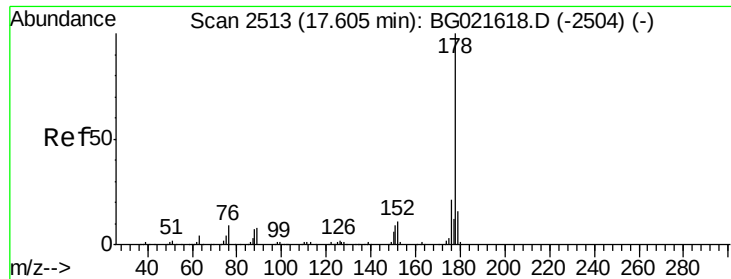
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.57 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		218893		
94	8.8	7.5	11.3		
80	11.2	8.6	13.0		





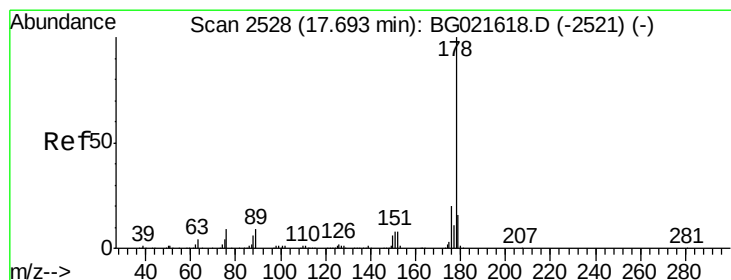
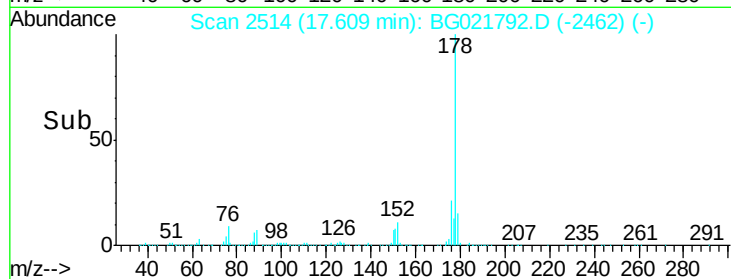
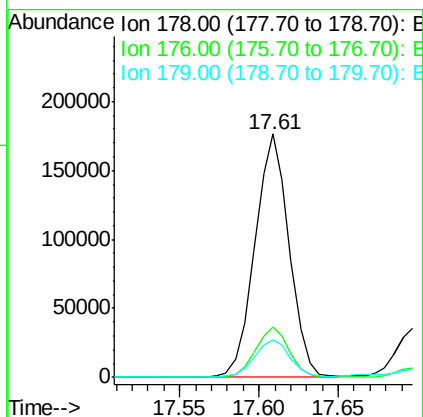
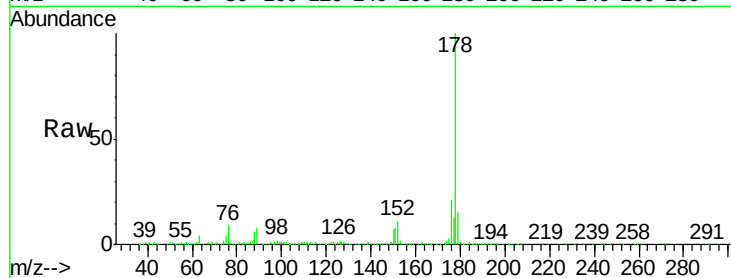
#70
Phenanthrene
Concen: 21.82 ng
RT: 17.61 min Scan# 2514
Delta R.T. 0.00 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	15.3	12.0	18.0

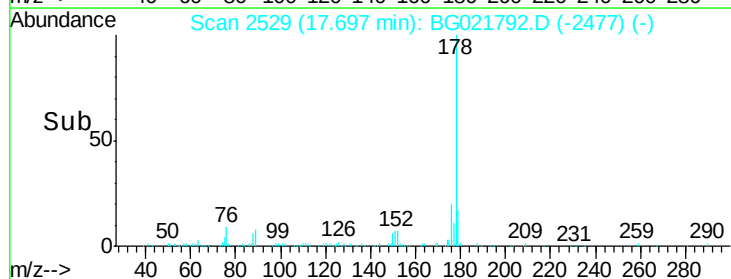
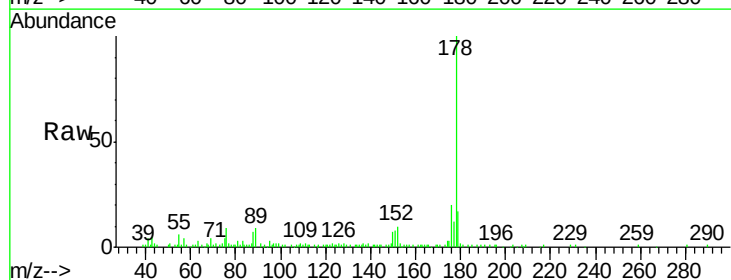
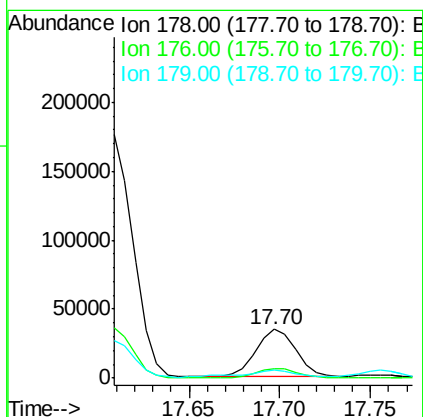
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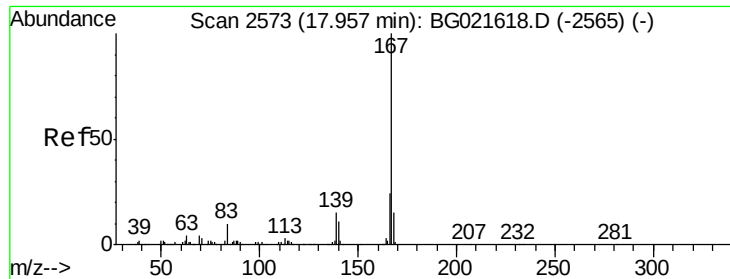
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#71
Anthracene
Concen: 4.34 ng
RT: 17.70 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.0	22.4
179	17.4	12.2	18.4





#72

Carbazole

Concen: 2.68 ng

RT: 17.97 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

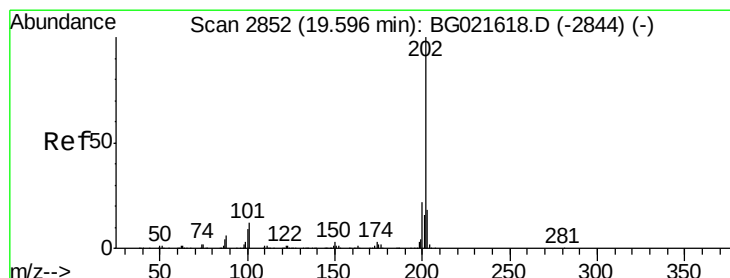
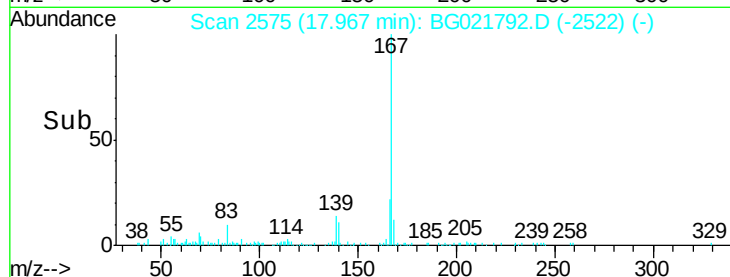
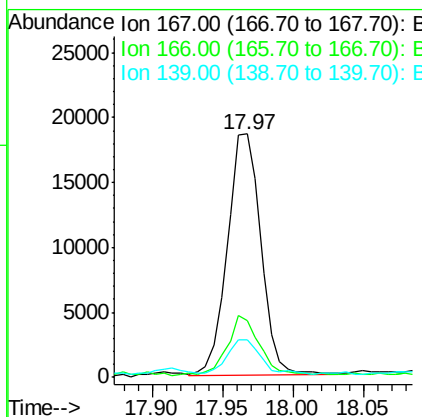
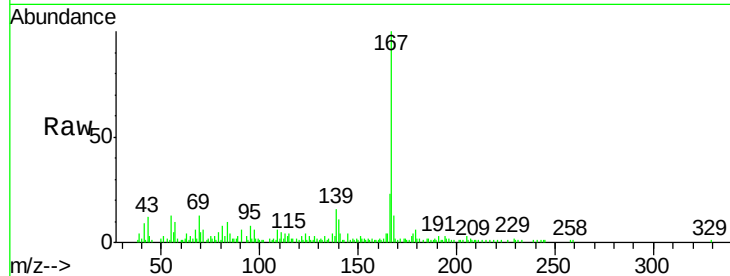
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	167	Resp:	30591
Ion Ratio	Lower	Upper	
167	100		
166	23.3	18.6	27.8
139	15.5	10.6	15.8

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#74

Fluoranthene

Concen: 33.47 ng

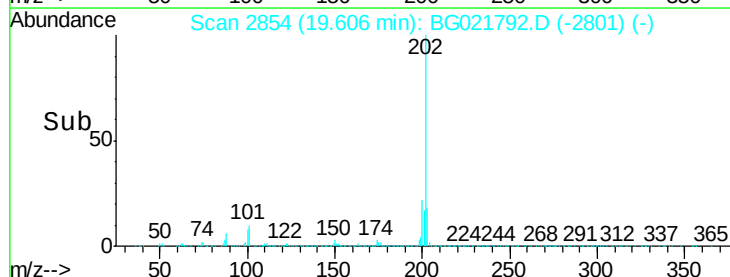
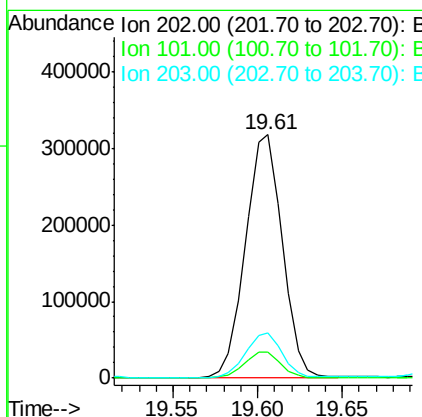
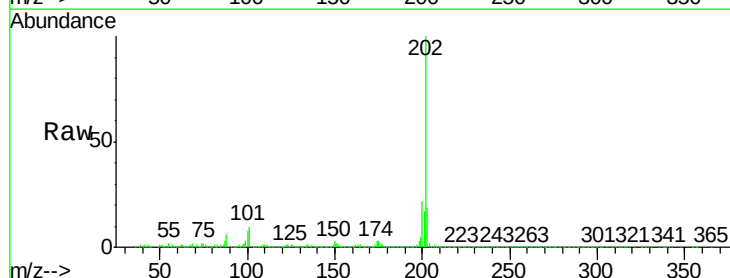
RT: 19.61 min Scan# 2854

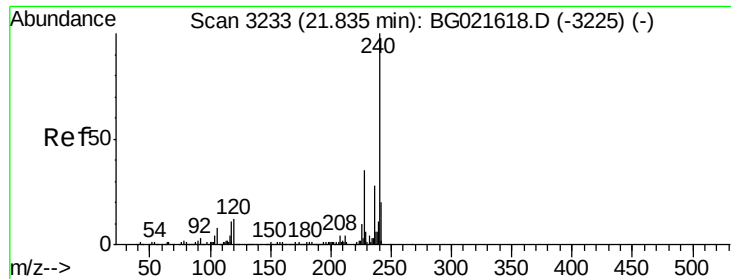
Delta R.T. 0.01 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion:	202	Resp:	482166
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.0
203	18.6	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. 0.01 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

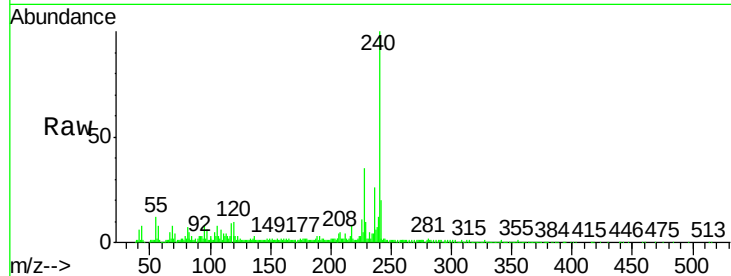
ClientSampleId :

SP-2-C-3(0-2)

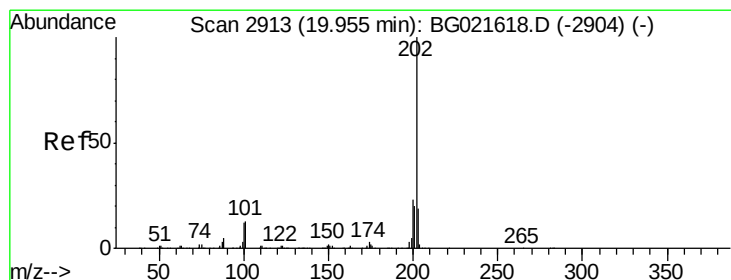
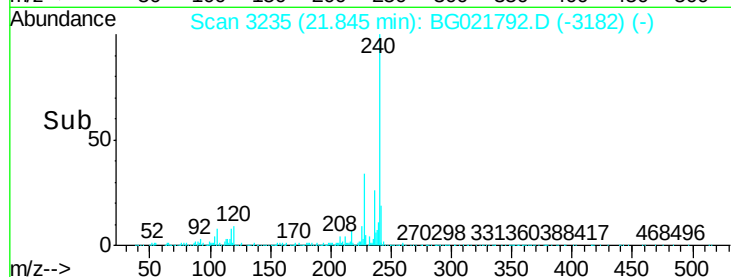
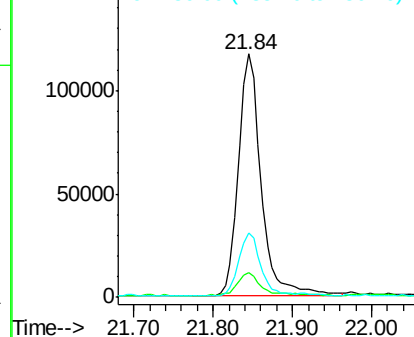
Tot Ion:	240	Resp:	234963
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.4	12.6
236	26.4	19.6	29.4

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.41 ng

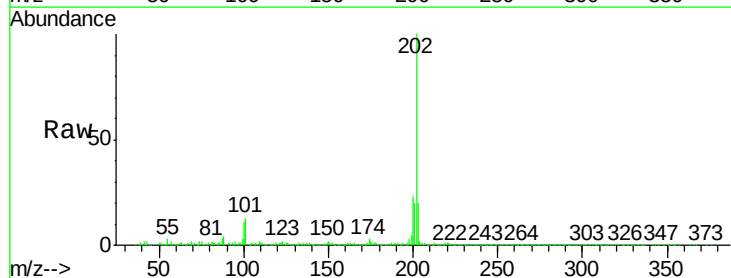
RT: 19.96 min Scan# 2915

Delta R.T. 0.01 min

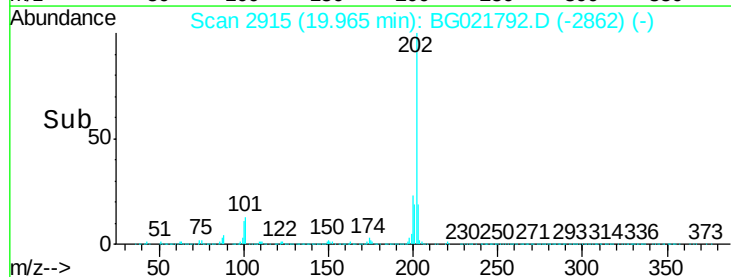
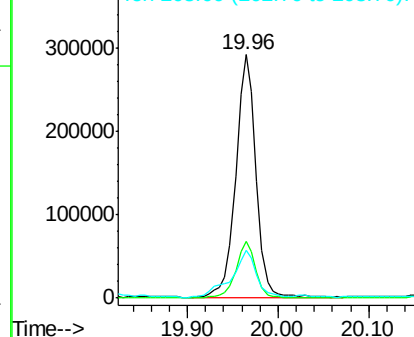
Lab File: BG021792.D

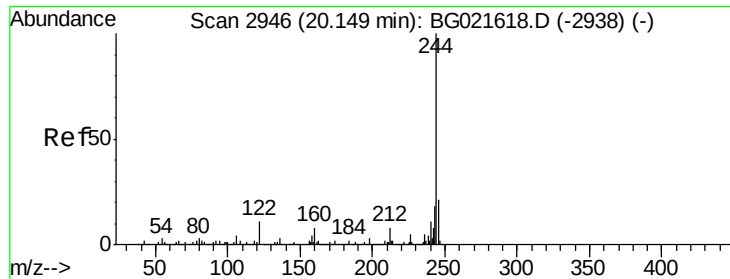
Acq: 20 Apr 2016 19:43

Tgt Ion:	202	Resp:	452665
Ion Ratio	Lower	Upper	
202	100		
200	23.1	18.2	27.2
203	19.6	15.0	22.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.34 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

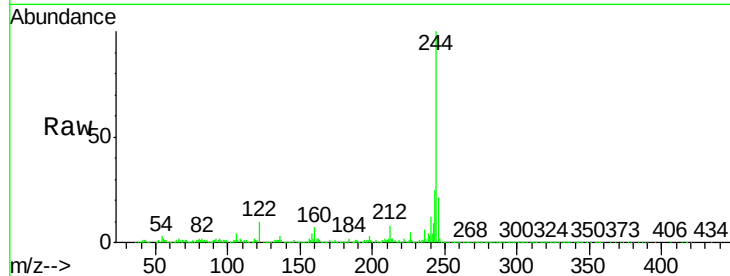
ClientSampleId :

SP-2-C-3(0-2)

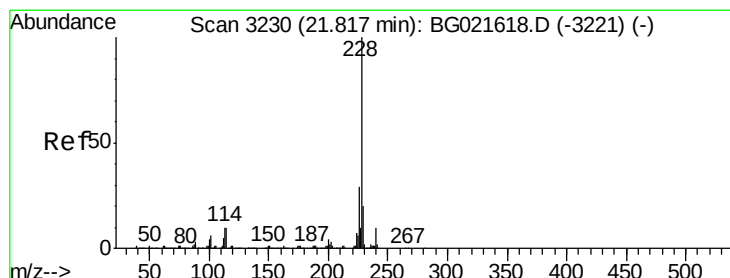
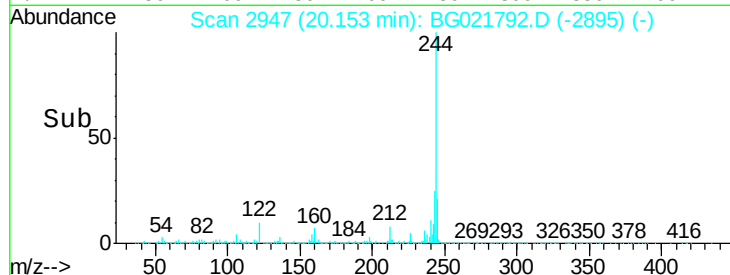
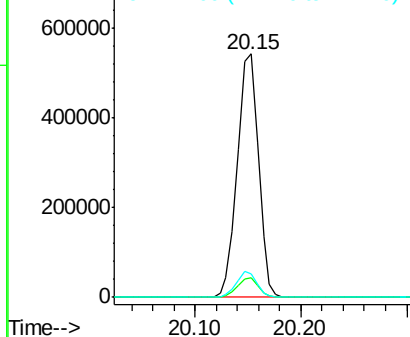
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	9.7	8.6	12.8

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 16.62 ng

RT: 21.83 min Scan# 3232

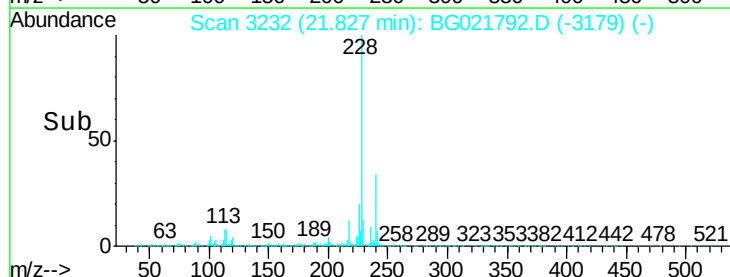
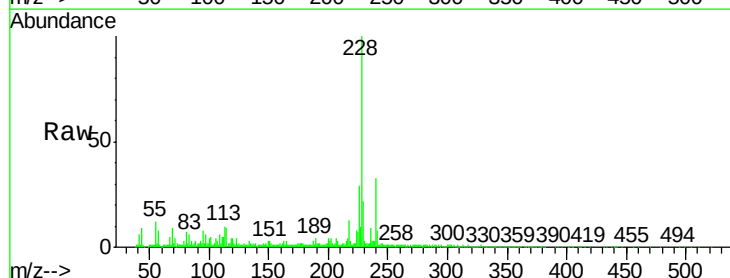
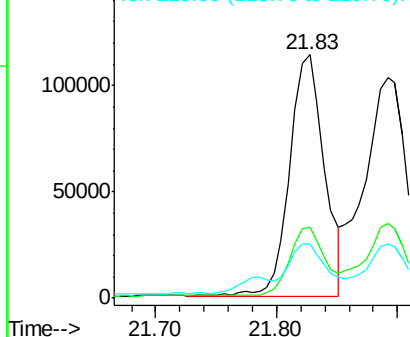
Delta R.T. 0.01 min

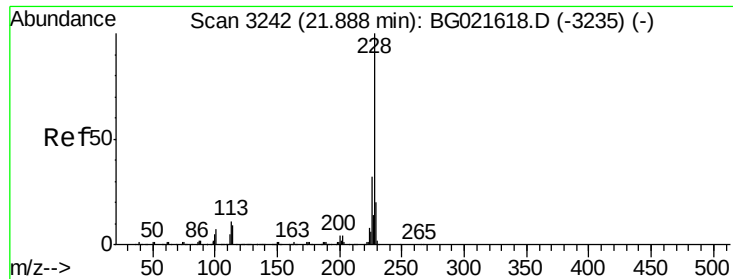
Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	22.4	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.29 ng/mL

RT: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

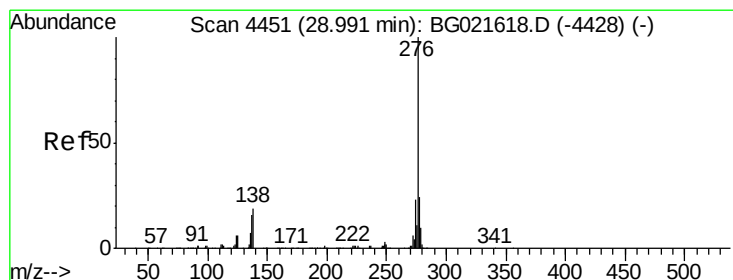
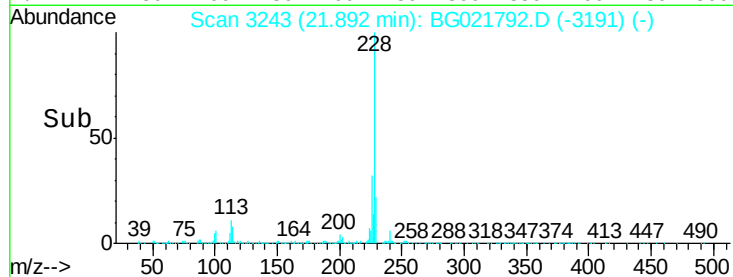
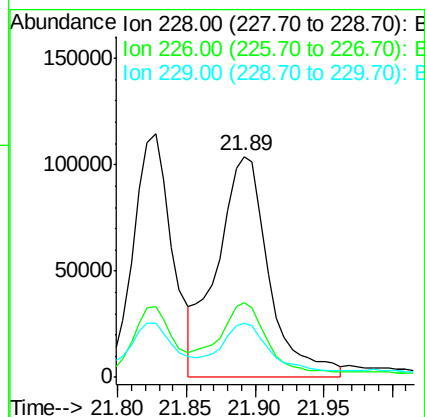
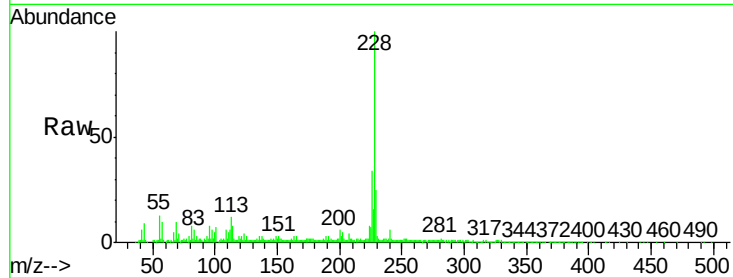
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	228	Resp:	276629
Ion Ratio	Lower	Upper	
228	100		
226	33.7	25.4	38.0
229	24.6	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.34 ng/mL

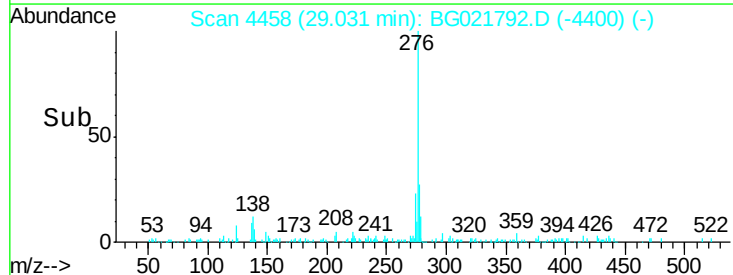
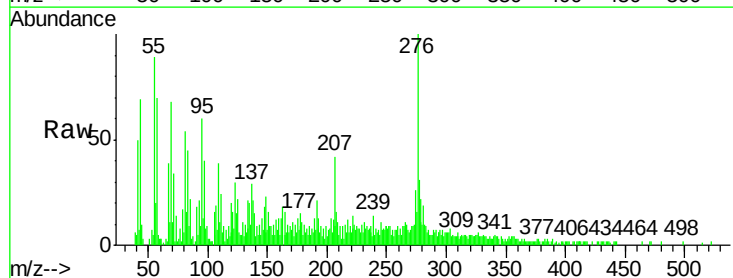
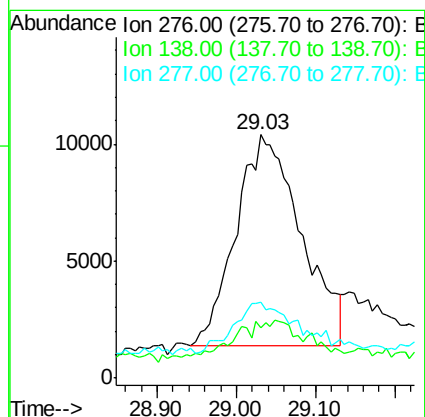
RT: 29.03 min Scan# 4458

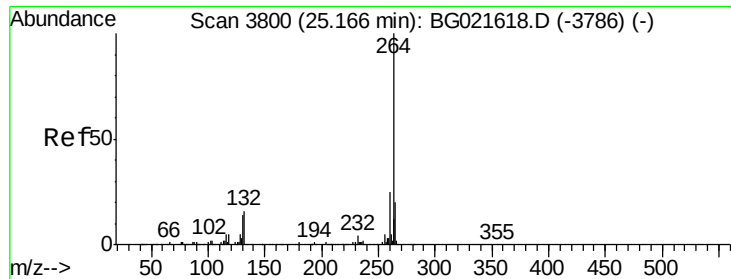
Delta R.T. 0.04 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion:	276	Resp:	51603
Ion Ratio	Lower	Upper	
276	100		
138	5.2	14.0	21.0
277	23.4	20.6	30.8





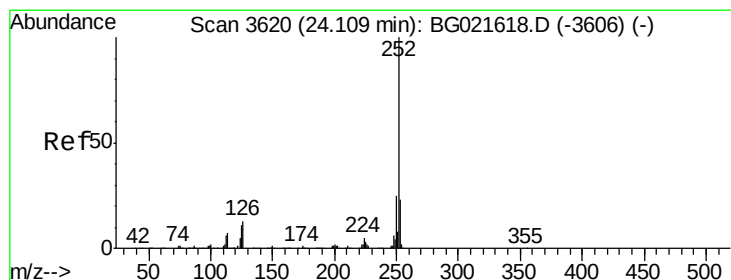
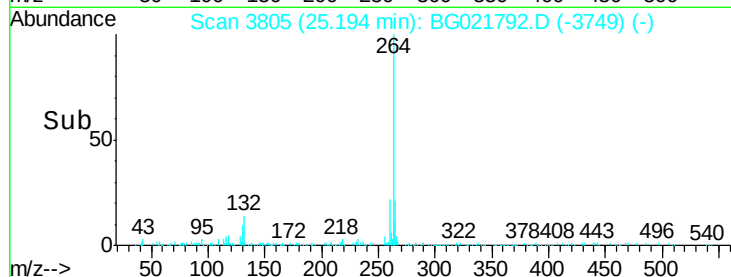
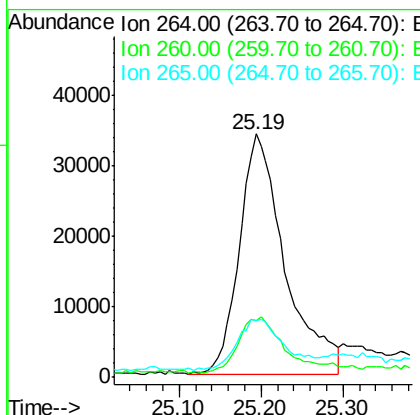
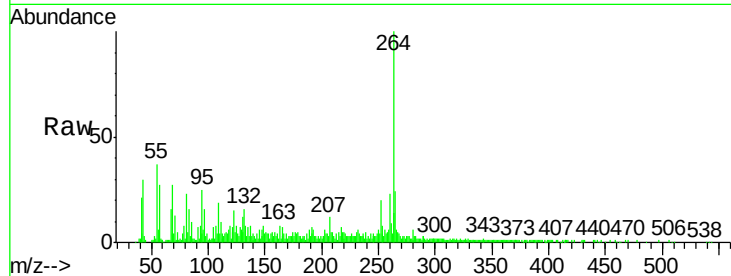
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.19 min Scan# 3805
Delta R.T. 0.03 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Instrument :
BNA_G
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion:	264	Resp:	132129
Ion Ratio	Lower	Upper	
264	100		
260	23.5	20.2	30.4
265	23.5	17.8	26.8

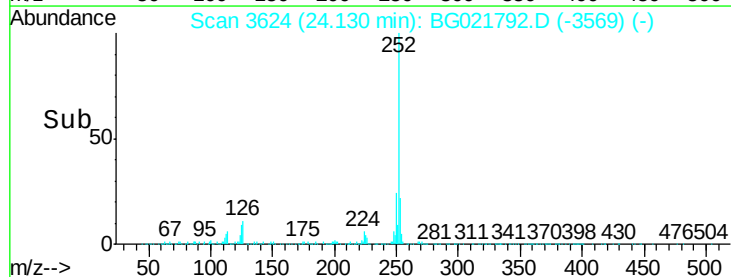
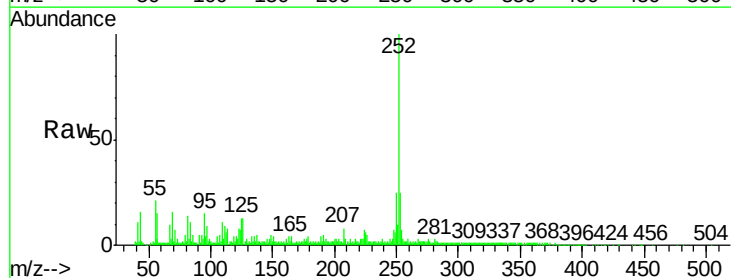
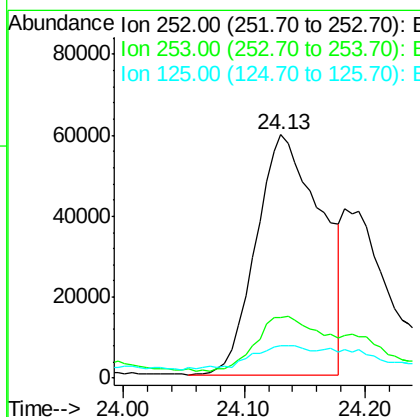
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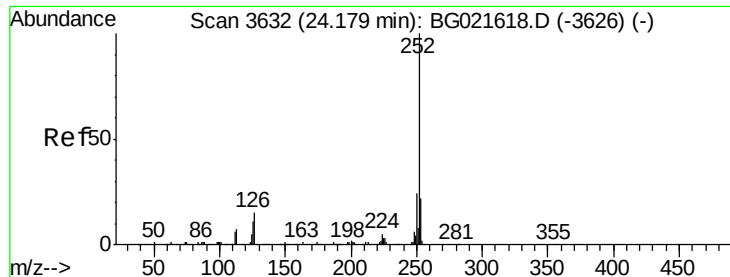
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#87
Benzo(b)fluoranthene
Concen: 29.07 ng
RT: 24.13 min Scan# 3624
Delta R.T. 0.02 min
Lab File: BG021792.D
Acq: 20 Apr 2016 19:43

Tgt Ion:	252	Resp:	222841
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.5	26.3
125	13.1	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 17.29 ng/mL

RT: 24.18 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Instrument :

BNA_G

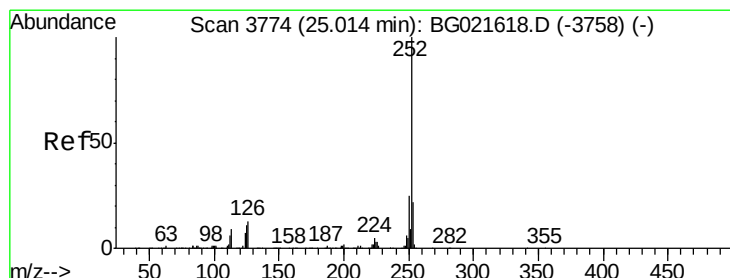
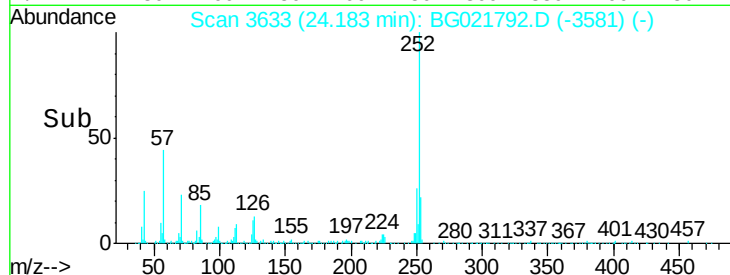
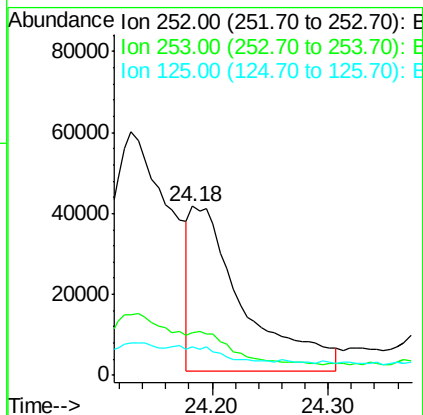
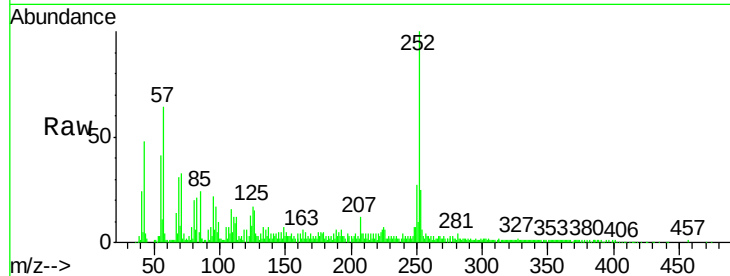
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	16.8	8.3	12.5

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#89

Benzo(a)pyrene

Concen: 18.74 ng/mL

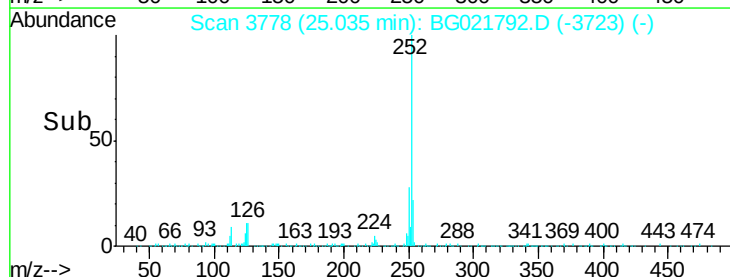
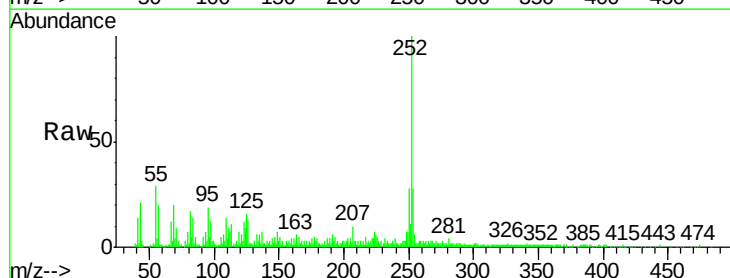
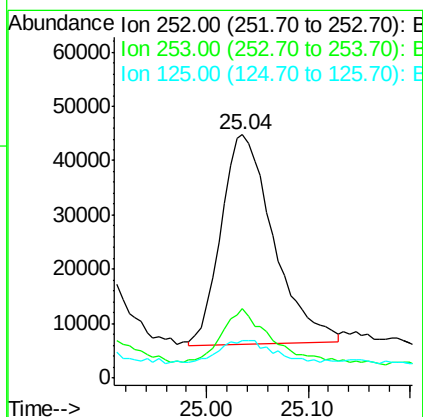
RT: 25.04 min Scan# 3778

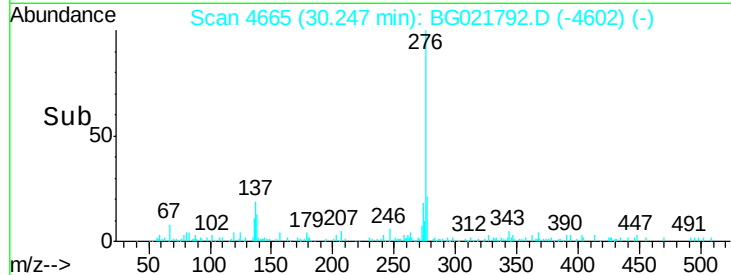
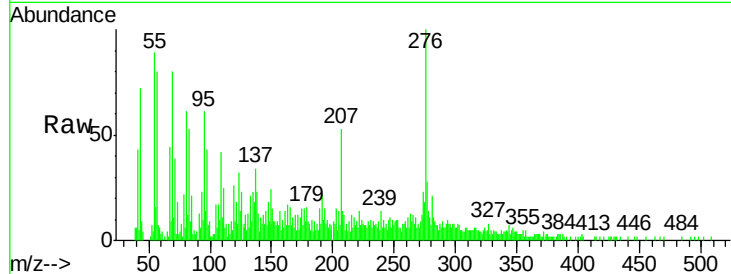
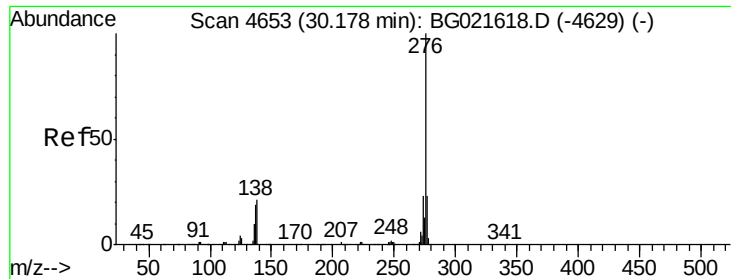
Delta R.T. 0.02 min

Lab File: BG021792.D

Acq: 20 Apr 2016 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.1	25.7
125	15.6	9.6	14.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.86 ng
 RT: 30.25 min Scan# 4665
 Delta R.T. 0.07 min
 Lab File: BG021792.D
 Acq: 20 Apr 2016 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.4	29.2
138	23.1	17.4	26.0

Manual Integrations
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