

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021786.D
 Acq On : 20 Apr 2016 15:44
 Operator : UM/SJ
 Sample : H2413-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-D-4(0-2)

Manual Integrations
 APPROVED

Sohil
 4/21/2016 10:37:56 AM

Quant Time: Apr 21 02:30:46 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	8.21	152	44632	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	194479	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	109842	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	220571	20.00	ng	0.00
75) Chrysene-d12	21.84	240	241557	20.00	ng	0.00
86) Perylene-d12	25.19	264	207036	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	295811	110.37	ng	0.00
7) Phenol-d6	7.37	99	425246	106.22	ng	0.01
23) Nitrobenzene-d5	9.39	82	272053	71.90	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	133067	112.40	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	505066	67.37	ng	0.00
78) Terphenyl-d14	20.14	244	540711	55.85	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	65338	6.88	ng	98
70) Phenanthrene	17.61	178	173300	14.26	ng	99
71) Anthracene	17.69	178	45875	3.72	ng	100
74) Fluoranthene	19.60	202	403404	27.79	ng	99
77) Pyrene	19.96	202	355464	25.52	ng	99
80) Benzo(a)anthracene	21.82	228	193902	13.95	ng	99
82) Chrysene	21.88	228	171507	12.84	ng	96
85) Indeno(1,2,3-cd)pyrene	29.00	276	52483	3.31	ng	# 85
87) Benzo(b)fluoranthene	24.12	252	191636	15.95	ng	# 94
88) Benzo(k)fluoranthene	24.17	252	97089m	8.27	ng	
89) Benzo(a)pyrene	25.02	252	126083	10.83	ng	94
91) Benzo(a,h,i)perylene	30.20	276	43989	3.84	ng	99

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

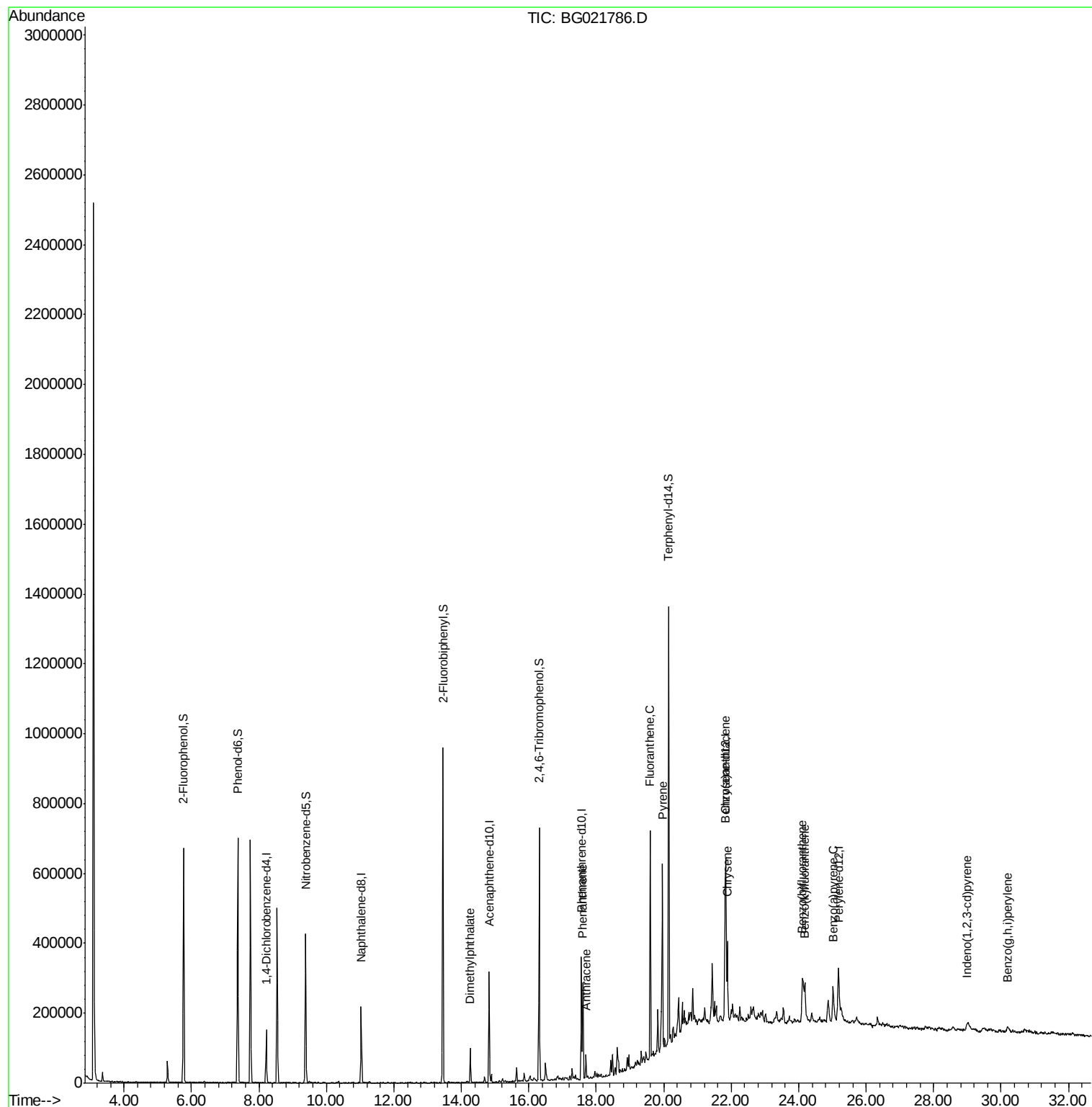
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
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Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

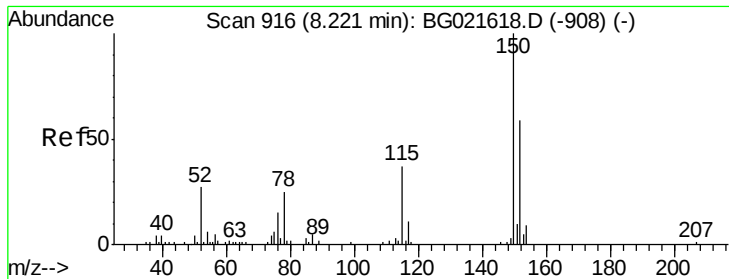
Instrument :
BNA_G
ClientSampleId :
SP-2-D-4(0-2)

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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

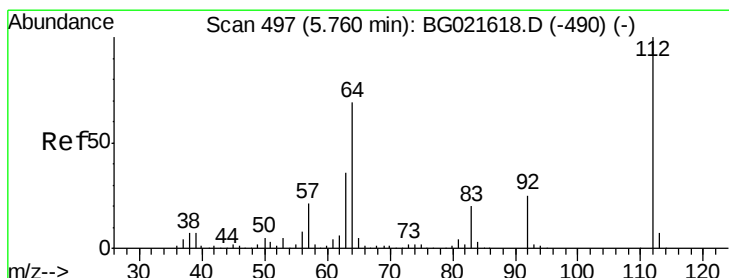
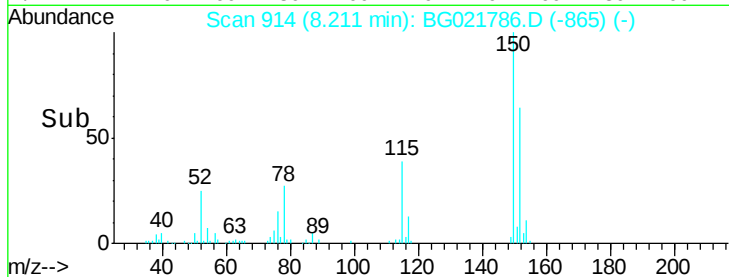
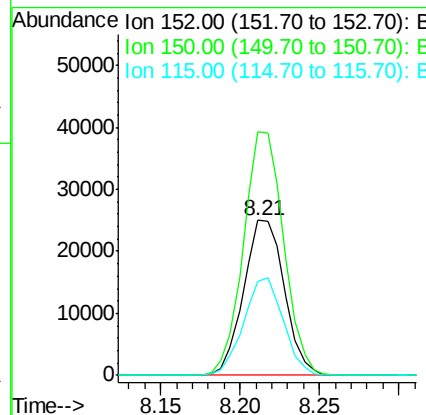
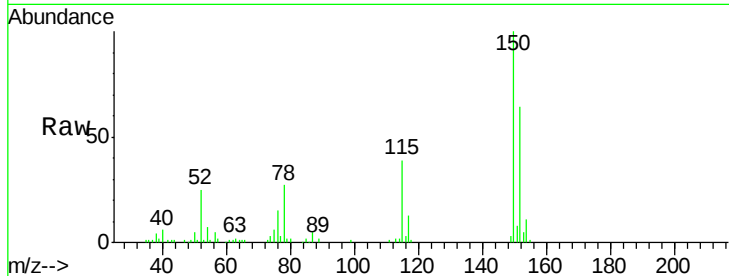
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.01 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Instrument :
BNA_G
ClientSampled :
SP-2-D-4(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	130.1	195.1
115	60.5	62.2	93.2

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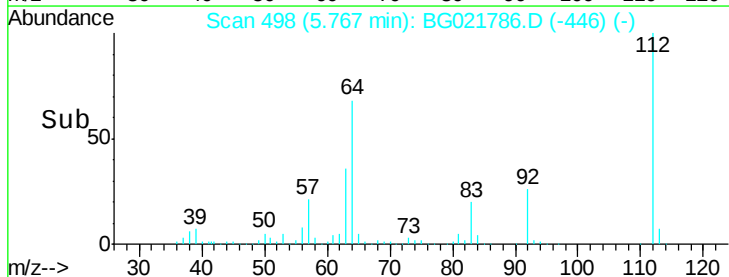
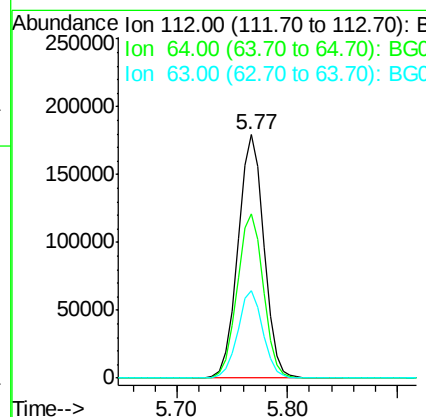
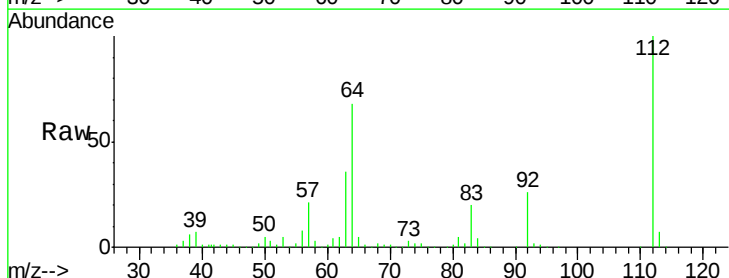
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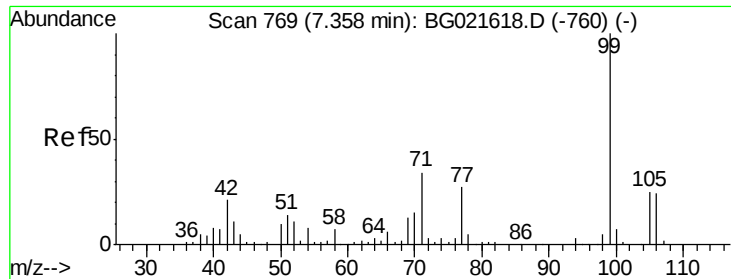


#5

2-Fluorophenol
Concen: 110.37 ng
RT: 5.77 min Scan# 498
Delta R.T. 0.01 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	51.1	76.7
63	35.8	24.6	37.0





#7

Phenol-d6

Concen: 106.22 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

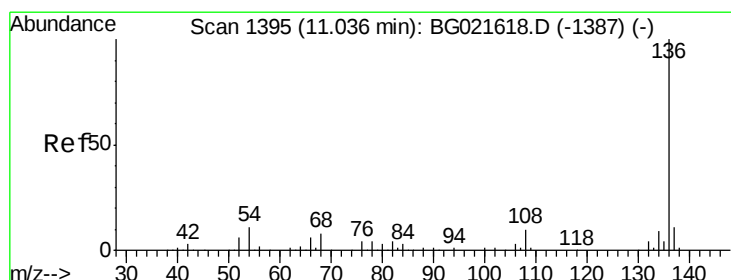
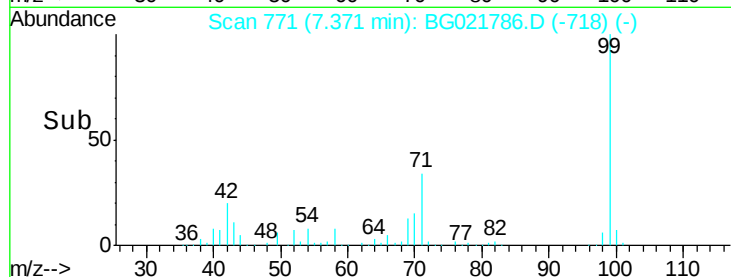
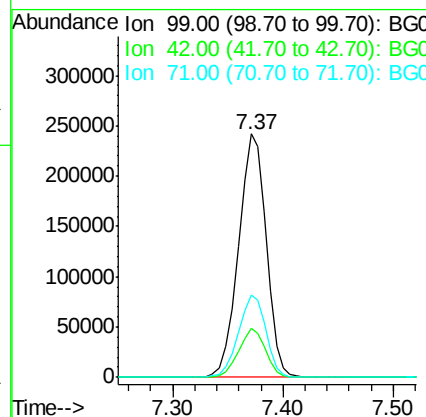
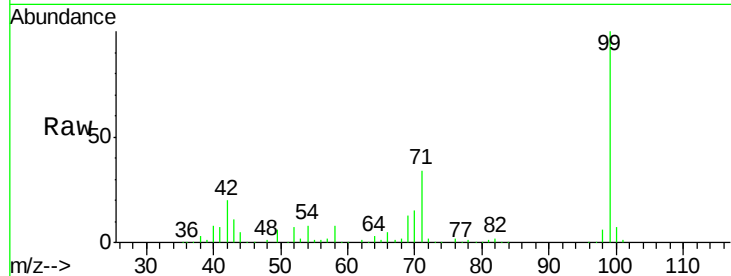
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:	99	Resp:	425246
Ion Ratio	Lower	Upper	
99	100		
42	19.9	16.4	24.6
71	33.9	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.00 ng

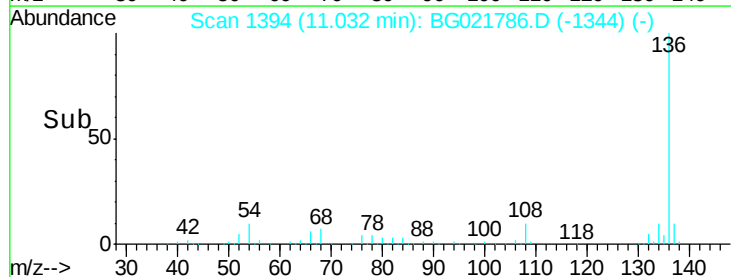
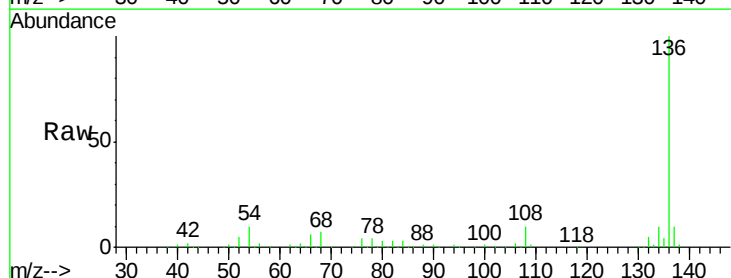
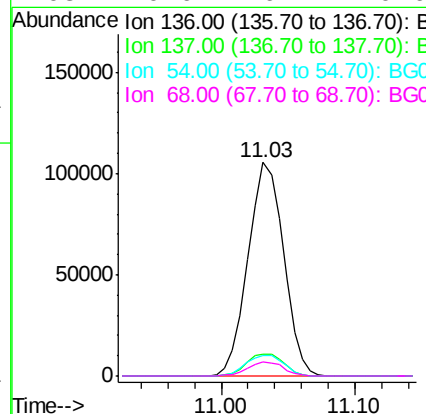
RT: 11.03 min Scan# 1394

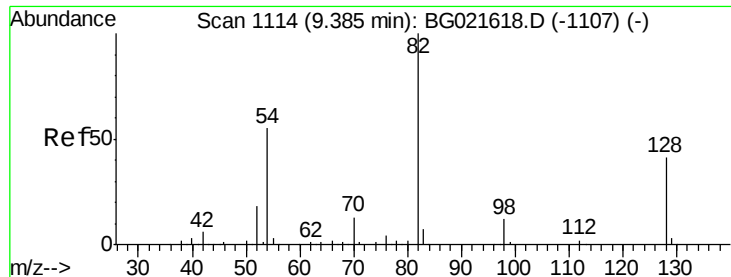
Delta R.T. -0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Tgt Ion:	136	Resp:	194479
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.0	13.4
54	9.6	9.6	14.4
68	6.6	6.4	9.6





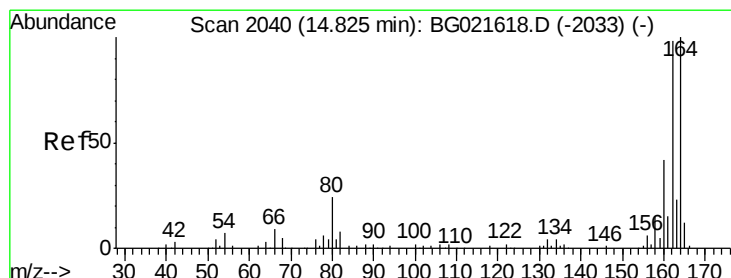
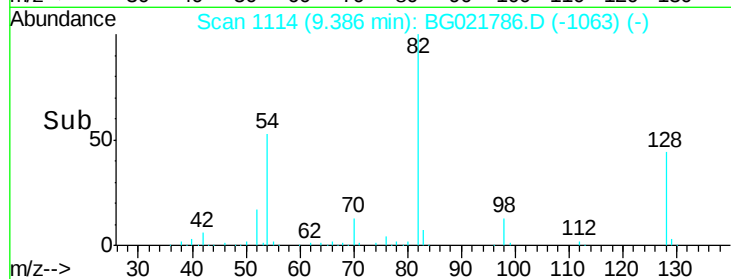
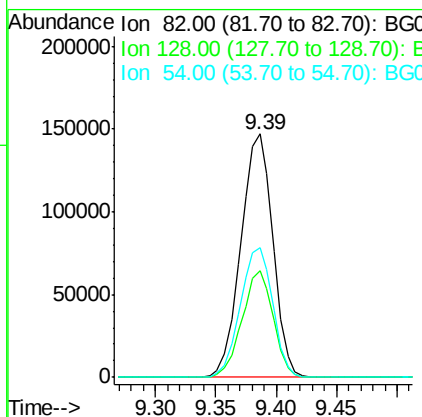
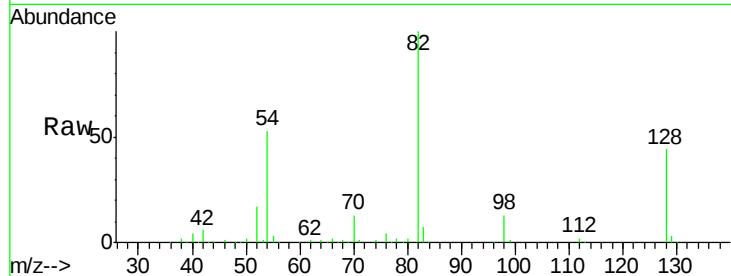
#23
Nitrobenzene-d5
Concen: 71.90 ng
RT: 9.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Instrument :
BNA_G
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.4	50.0
54	53.5	46.1	69.1

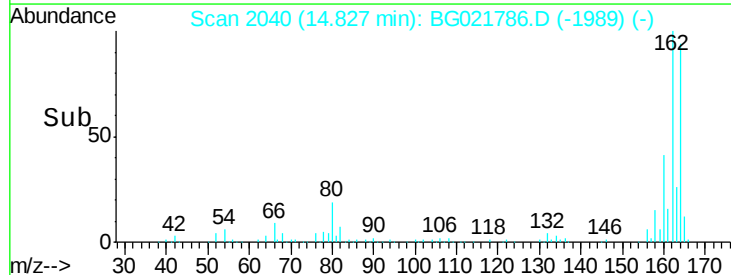
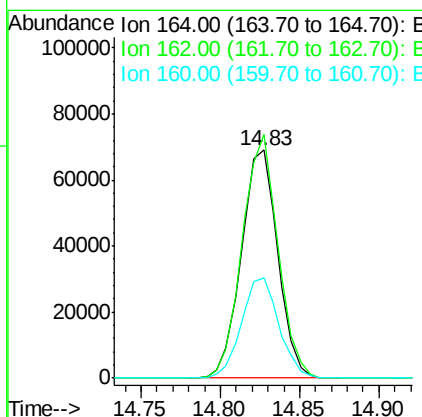
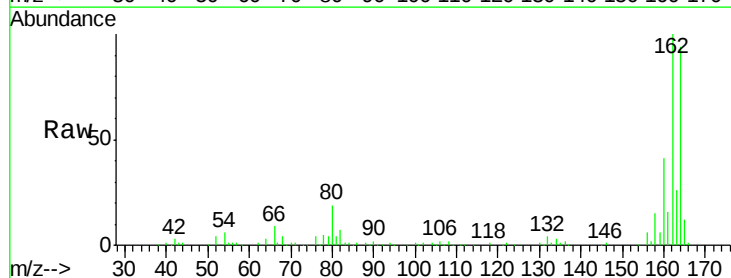
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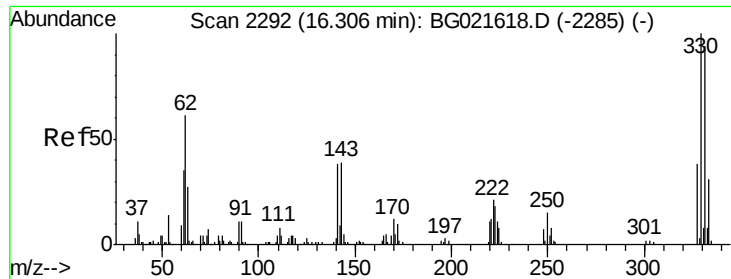
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.83 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	78.0	117.0
160	43.8	32.9	49.3





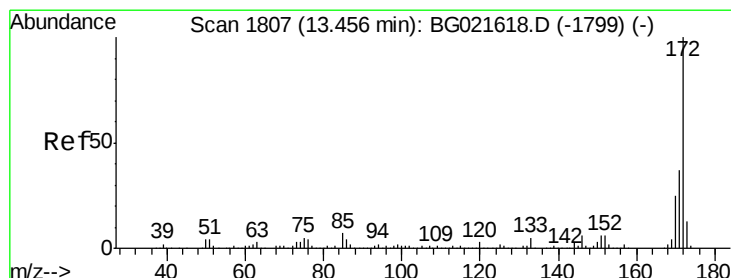
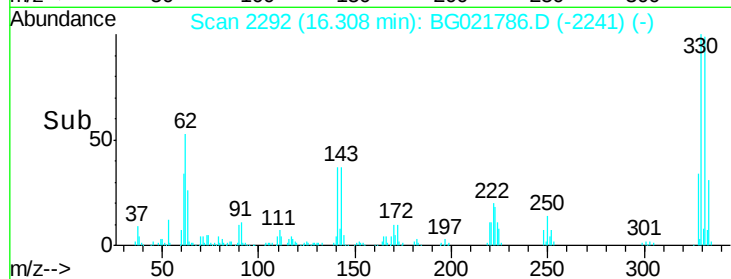
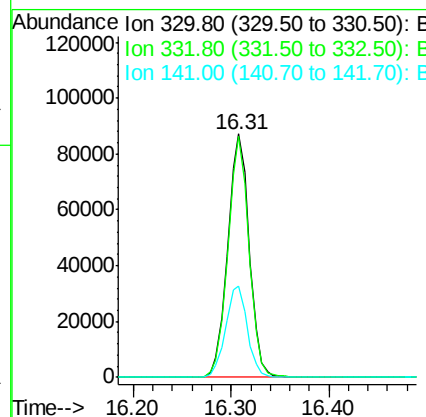
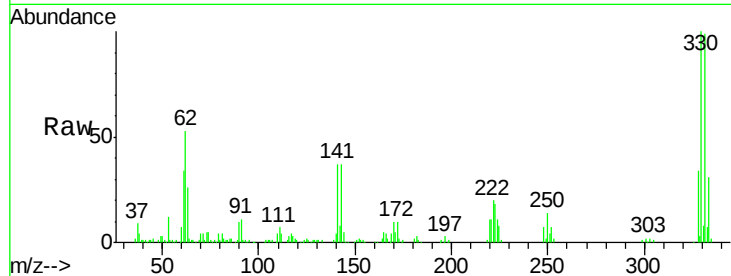
#41
 2,4,6-Tribromophenol
 Concen: 112.40 ng
 RT: 16.31 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BG021786.D
 Acq: 20 Apr 2016 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	133067		
332	96.6	78.0	117.0	
141	37.9	33.8	50.8	

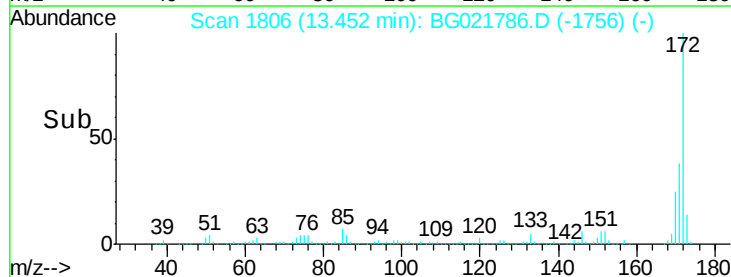
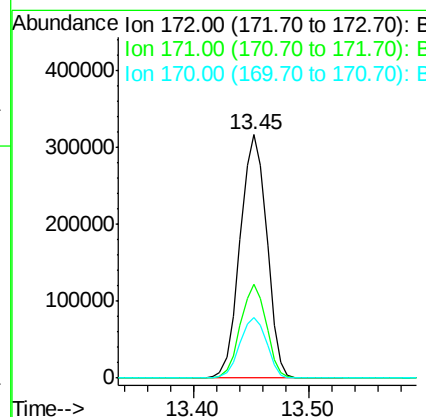
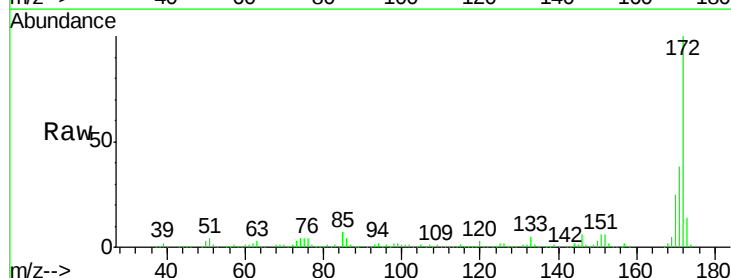
Manual Integrations
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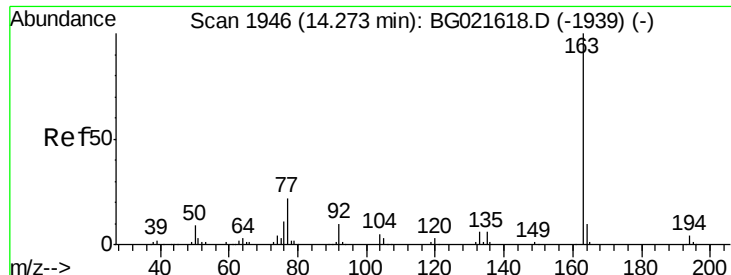
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#44
 2-Fluorobiphenyl
 Concen: 67.37 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG021786.D
 Acq: 20 Apr 2016 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	505066		
171	38.3	27.8	41.6	
170	25.1	19.6	29.4	





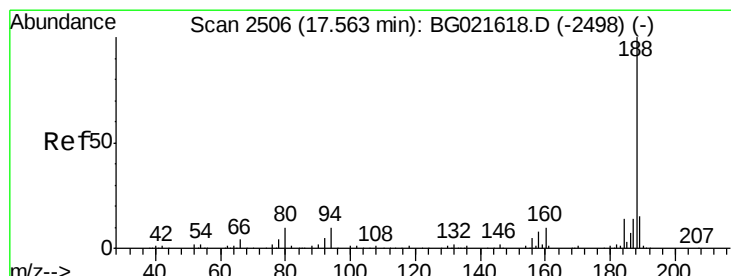
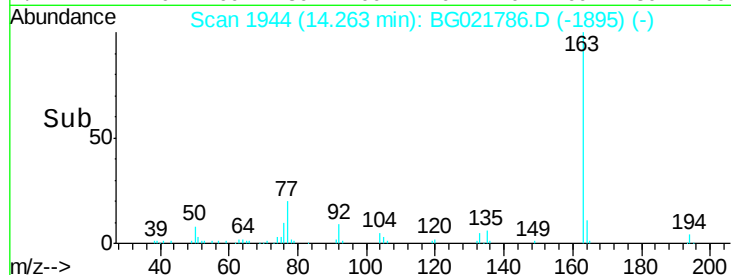
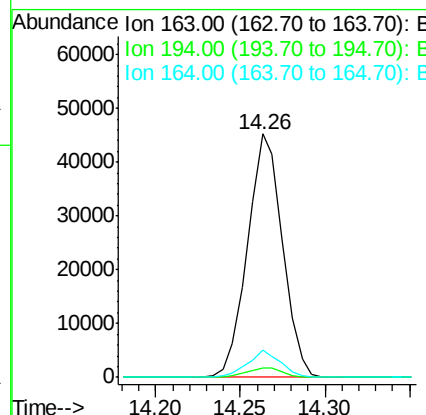
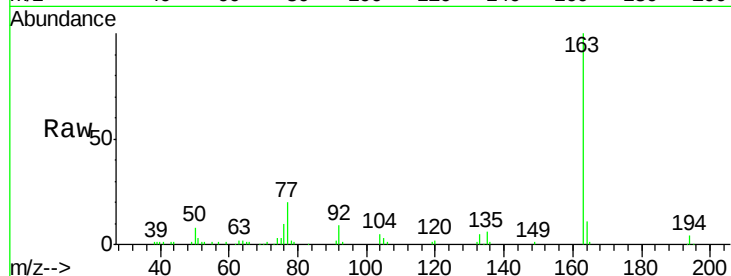
#49
Dimethylphthalate
Concen: 6.88 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Instrument :
BNA_G
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	65338		
194	3.9		3.0	4.6
164	11.1		8.1	12.1

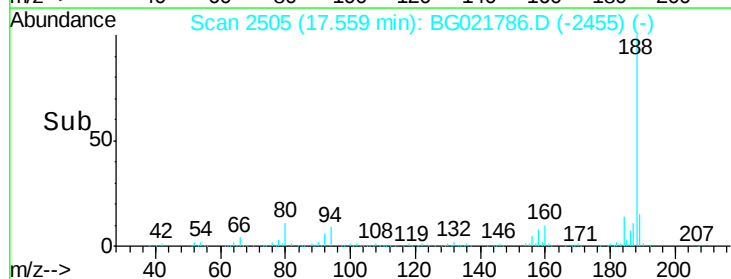
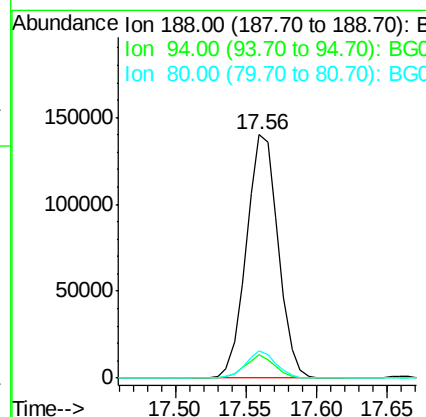
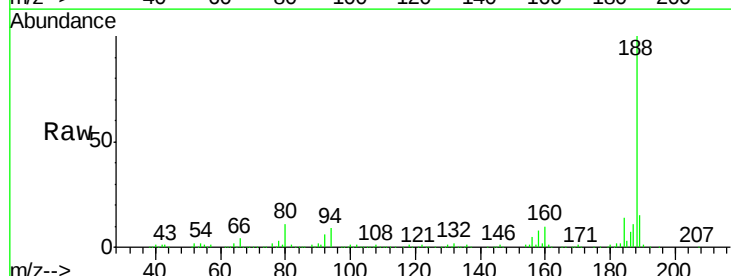
Manual Integrations
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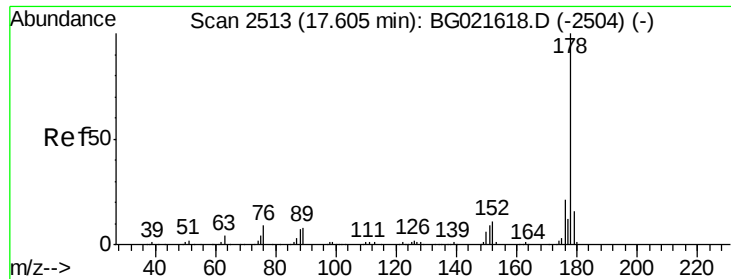
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	220571		
94	9.5		7.5	11.3
80	11.0		8.6	13.0





#70

Phenanthrene

Concen: 14.26 ng

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

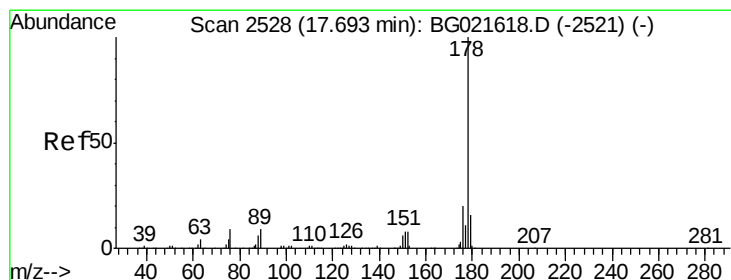
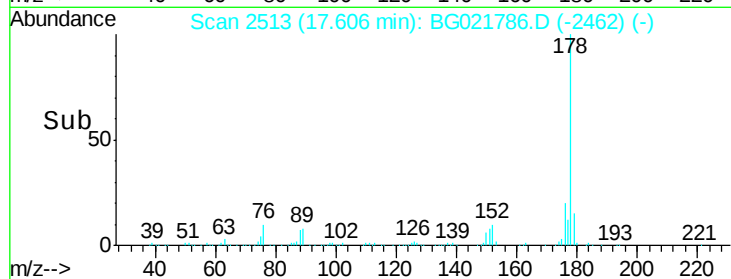
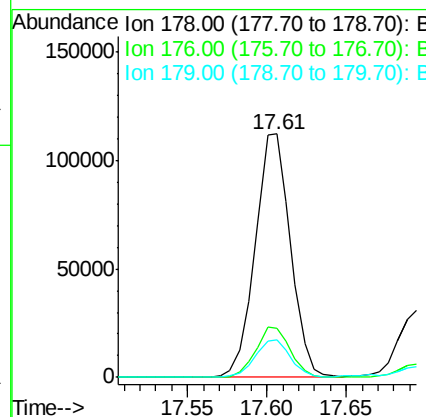
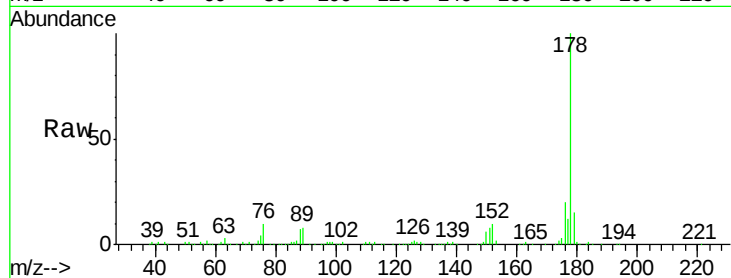
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:178	Resp:	173300
Ion Ratio	Lower	Upper
178 100		
176 20.1	16.2	24.4
179 15.4	12.0	18.0

Manual Integrations
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#71

Anthracene

Concen: 3.72 ng

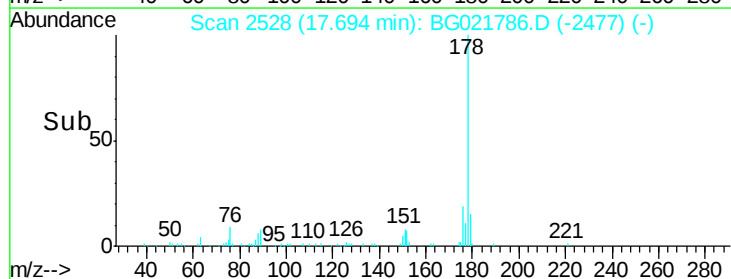
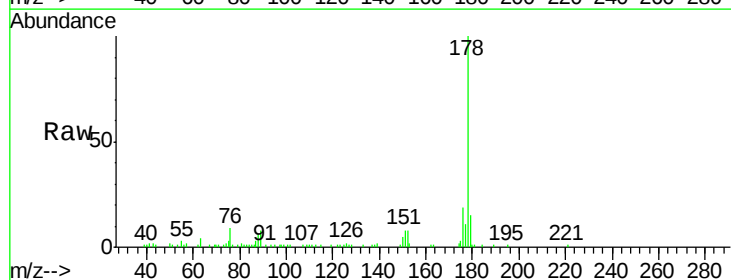
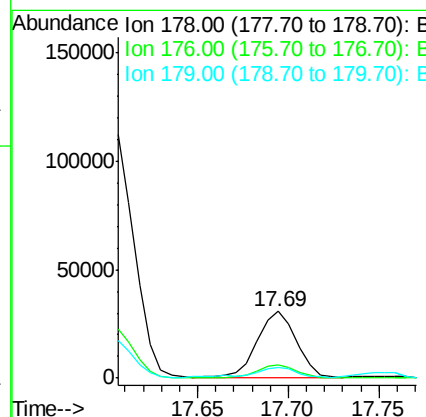
RT: 17.69 min Scan# 2528

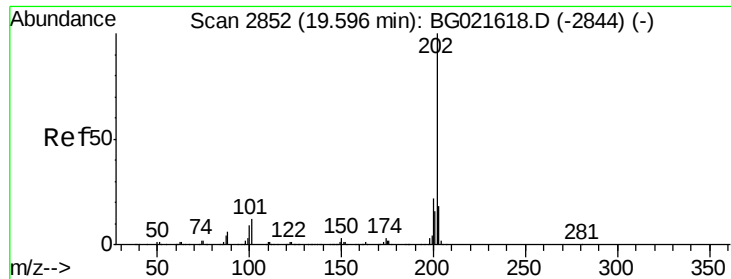
Delta R.T. 0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Tgt Ion:178	Resp:	45875
Ion Ratio	Lower	Upper
178 100		
176 18.9	15.0	22.4
179 15.2	12.2	18.4





#74

Fluoranthene

Concen: 27.79 ng

RT: 19.60 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

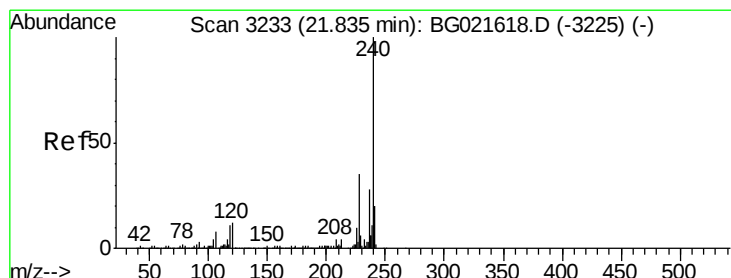
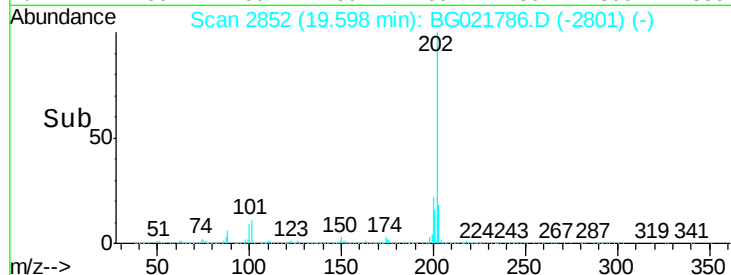
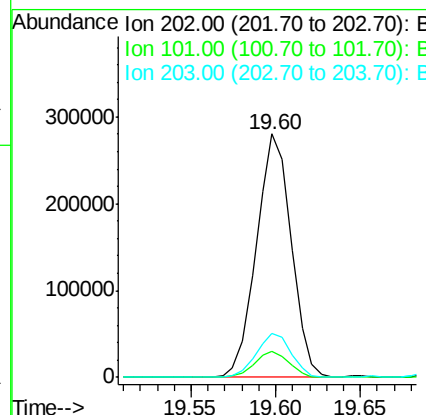
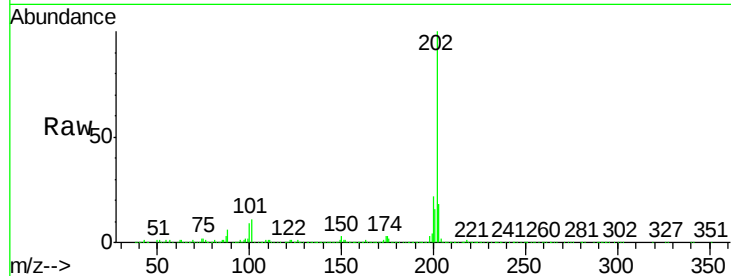
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		403404		
101	10.6	0.0	31.0		
203	18.1	0.0	37.9		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

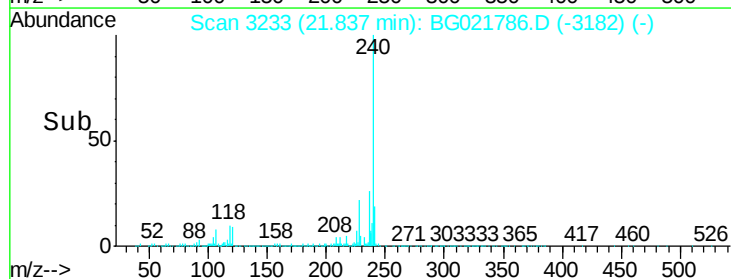
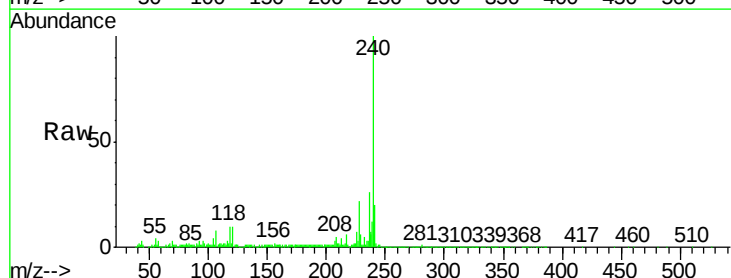
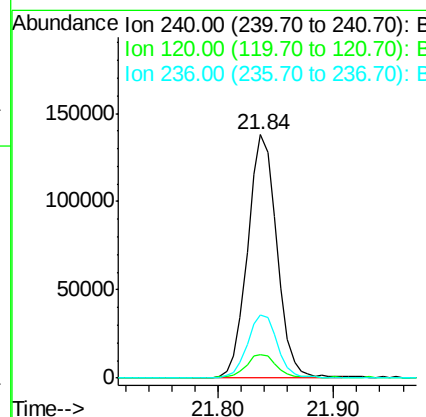
RT: 21.84 min Scan# 3233

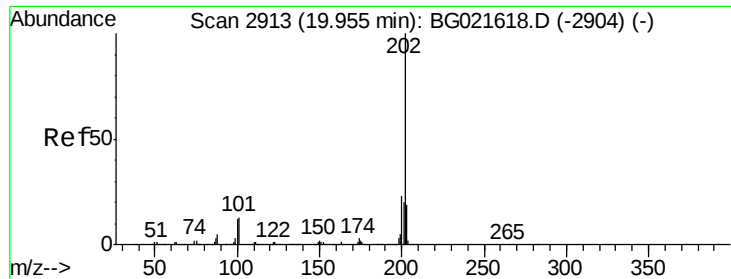
Delta R.T. 0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		241557		
120	9.6	8.4	12.6		
236	26.2	19.6	29.4		





#77

Pvrene

Concen: 25.52 ng

RT: 19.96 min Scan# 2914

Delta R.T. 0.01 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

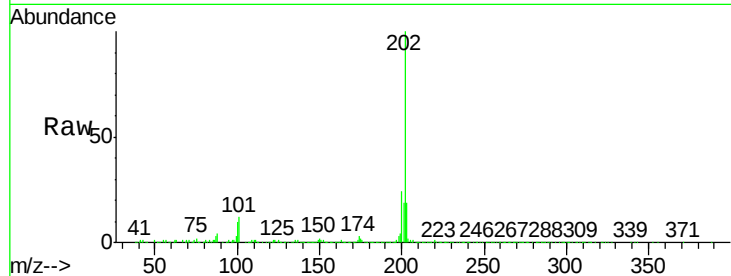
ClientSampleId :

SP-2-D-4(0-2)

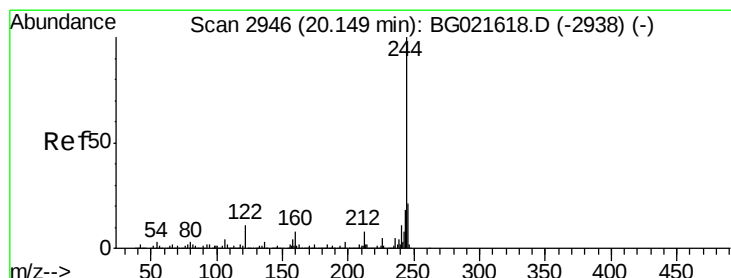
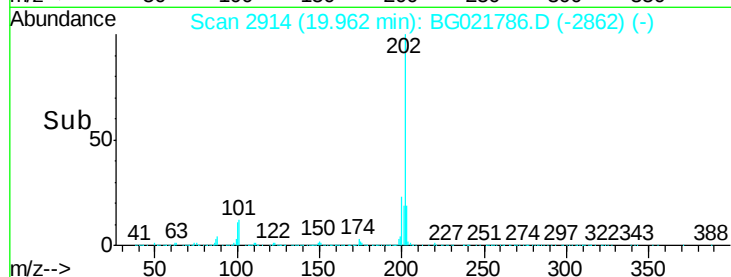
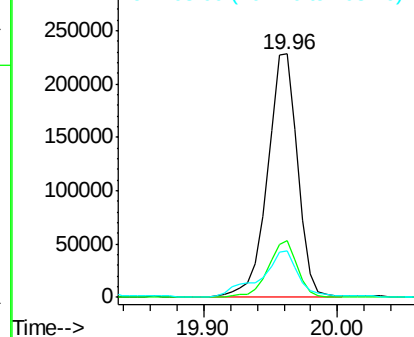
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		355464		
200	23.5	18.2	27.2		
203	19.0	15.0	22.4		

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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: 55.85 ng

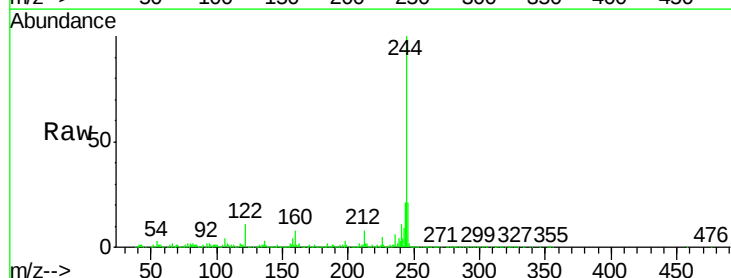
RT: 20.14 min Scan# 2945

Delta R.T. -0.00 min

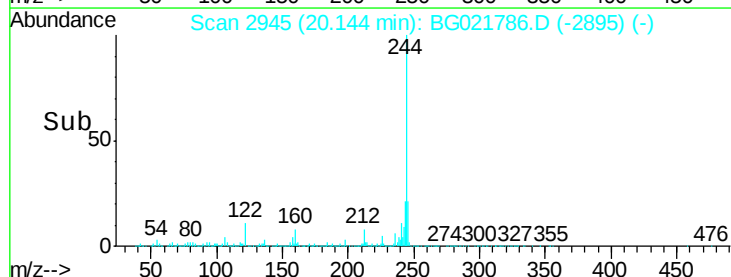
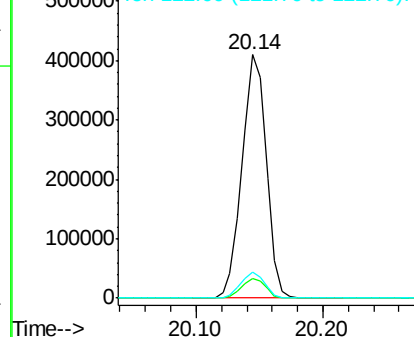
Lab File: BG021786.D

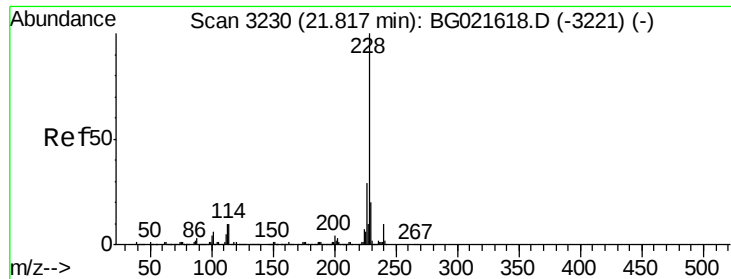
Acq: 20 Apr 2016 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		540711		
212	8.1	6.5	9.7		
122	10.8	8.6	12.8		



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: 13.95 ng

RT: 21.82 min Scan# 3230

Delta R.T. 0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

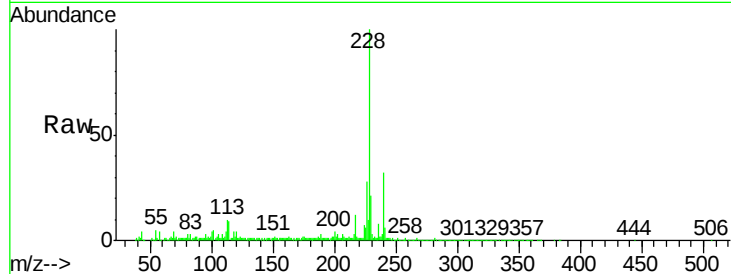
ClientSampled :

SP-2-D-4(0-2)

Tot Ion:	228	Resp:	193902
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	34.0
229	20.9	16.1	24.1

Manual Integrations
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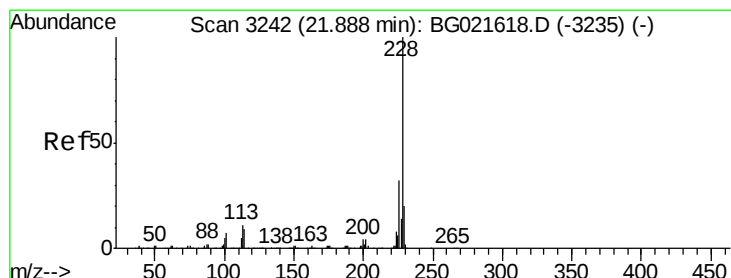
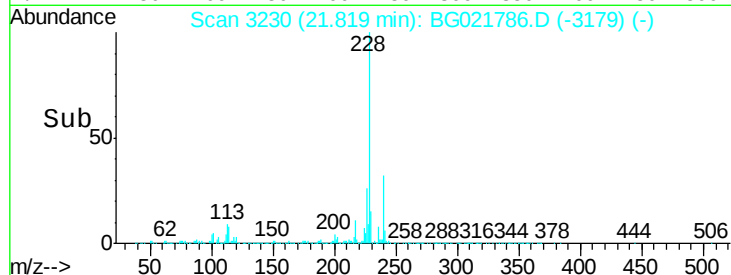
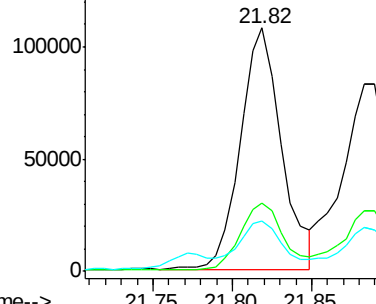


Abundance

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: 12.84 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

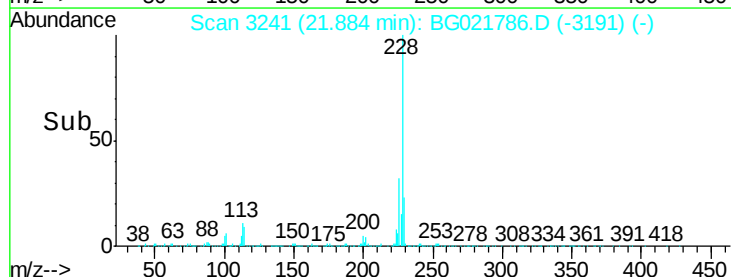
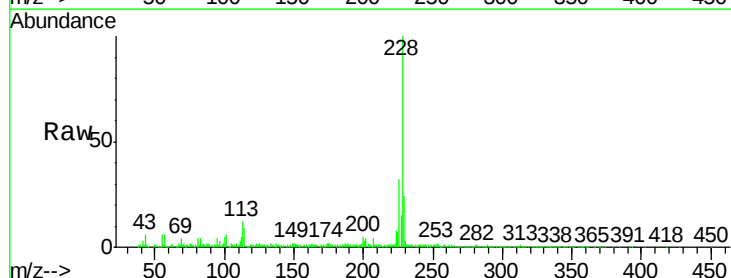
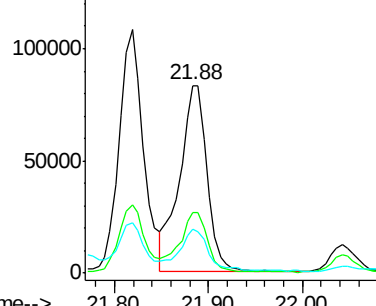
Tgt Ion:	228	Resp:	171507
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.4	38.0
229	23.6	15.9	23.9

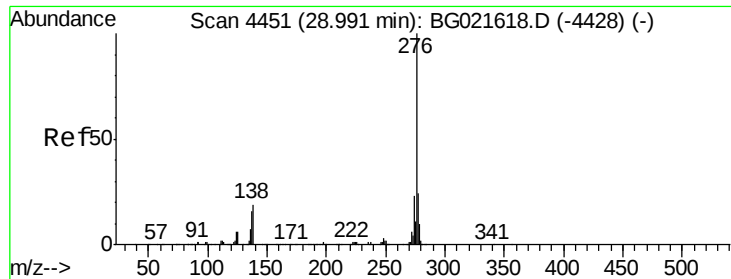
Abundance

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





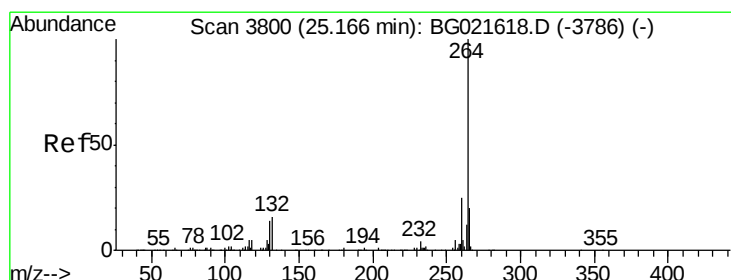
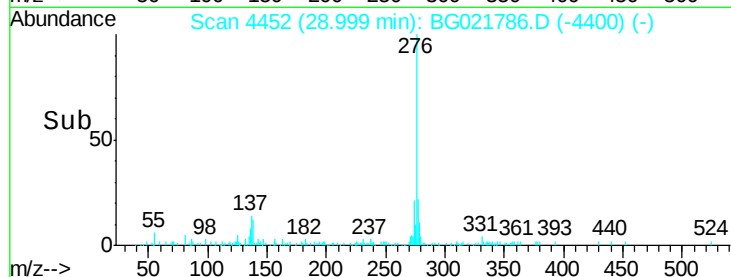
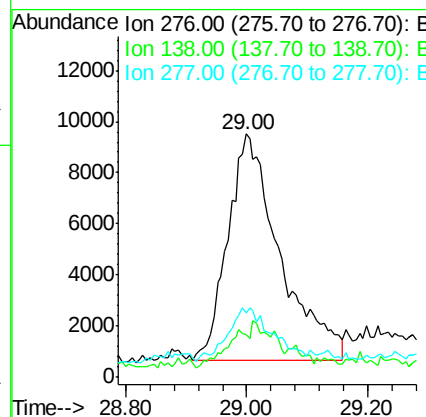
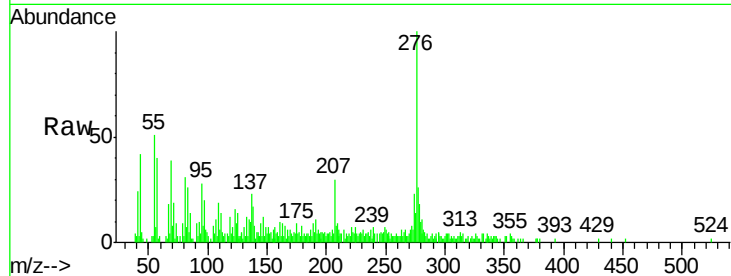
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.31 ng
RT: 29.00 min Scan# 4452
Delta R.T. 0.01 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Instrument :
BNA_G
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.0	14.0	21.0#
277	20.3	20.6	30.8#

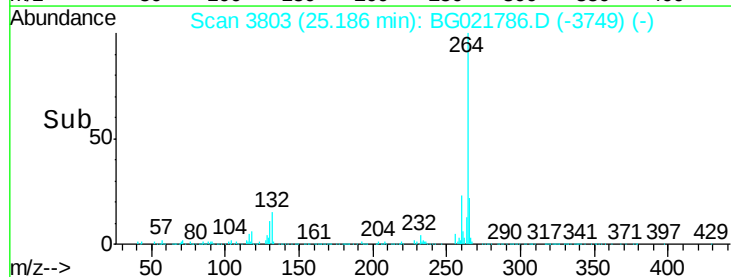
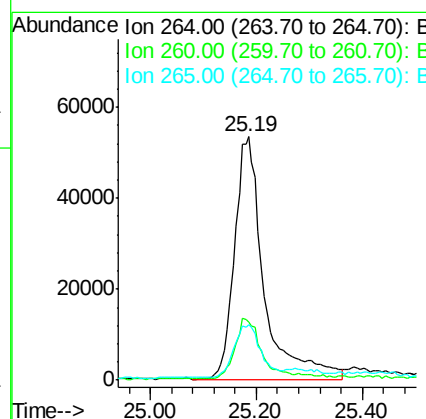
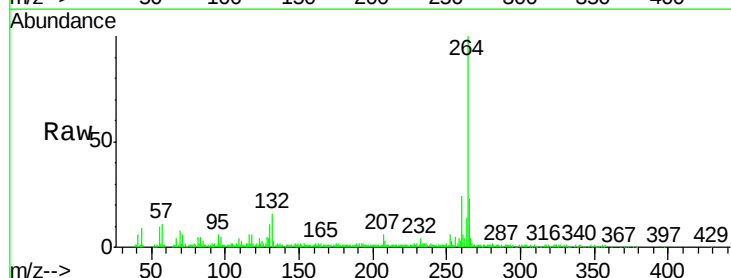
Manual Integrations
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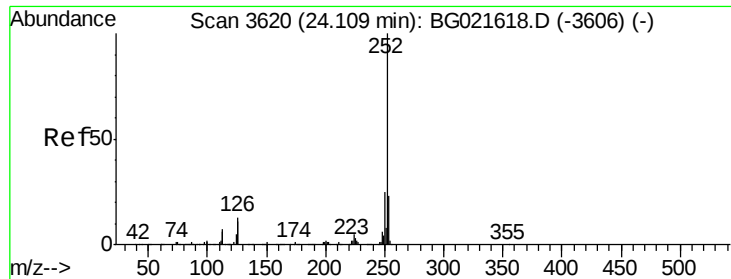
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.19 min Scan# 3803
Delta R.T. 0.02 min
Lab File: BG021786.D
Acq: 20 Apr 2016 15:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.4
265	22.6	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 15.95 ng

RT: 24.12 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

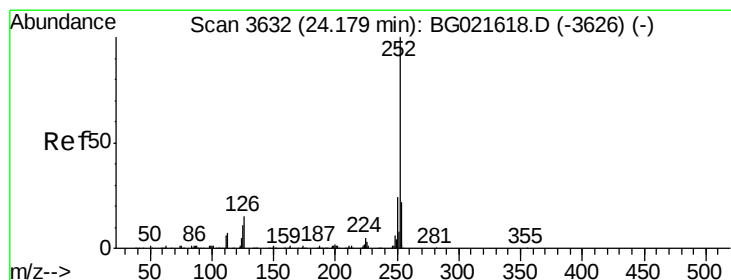
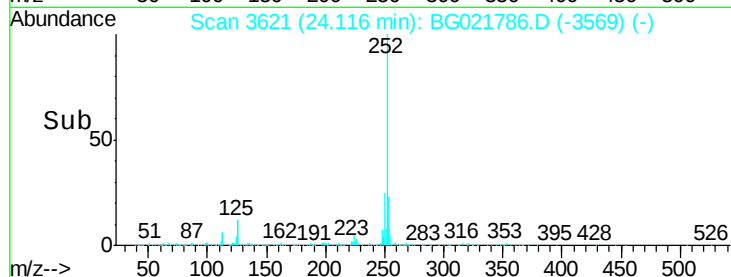
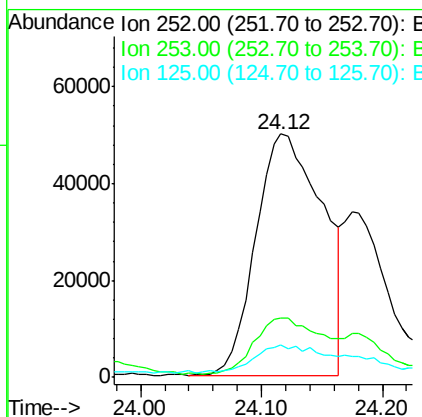
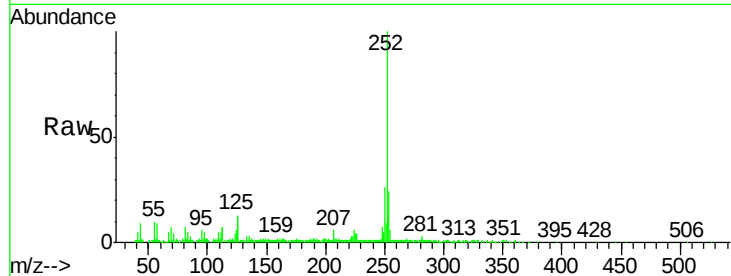
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:	252	Resp:	191636
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.5	26.3
125	13.5	8.6	13.0#

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#88

Benzo(k)fluoranthene

Concen: 8.27 ng m

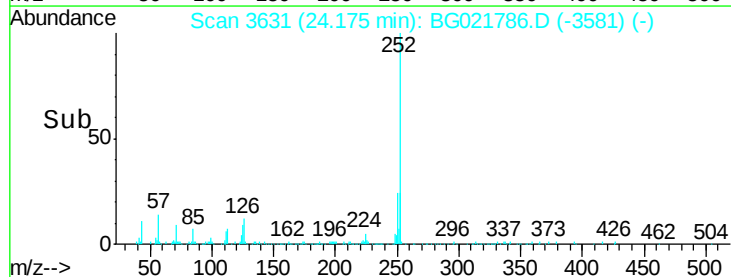
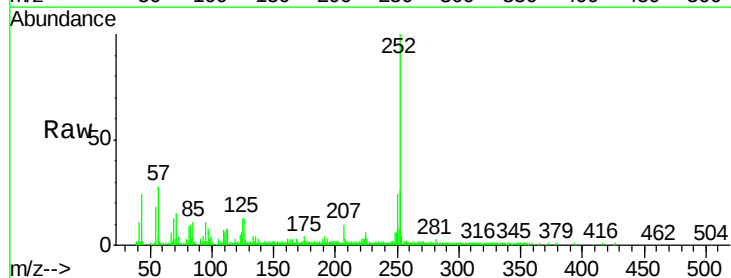
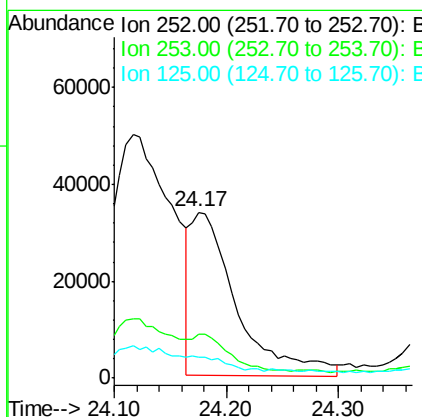
RT: 24.17 min Scan# 3631

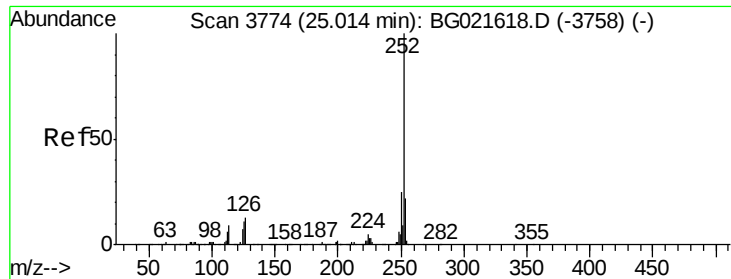
Delta R.T. -0.00 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Tgt Ion:	252	Resp:	97089
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.8
125	12.7	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 10.83 ng

RT: 25.02 min Scan# 3775

Delta R.T. 0.01 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Instrument :

BNA_G

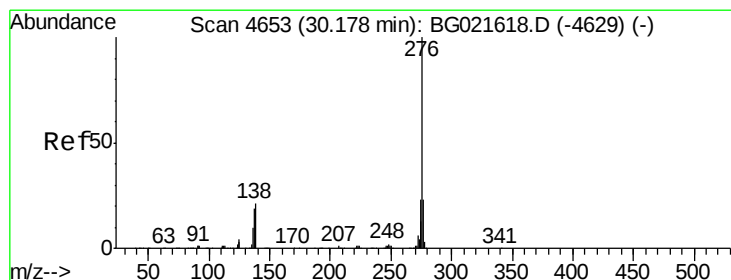
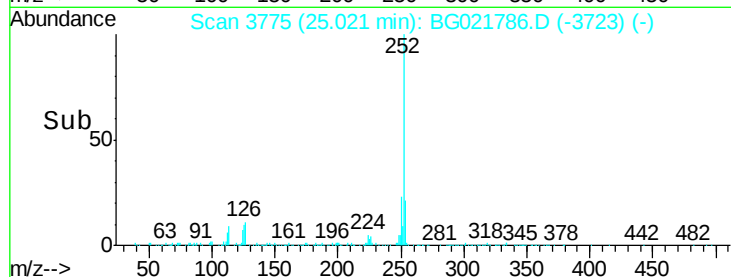
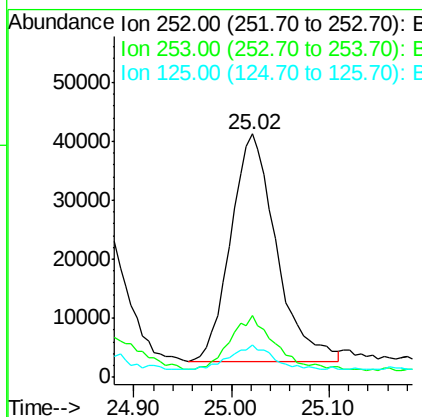
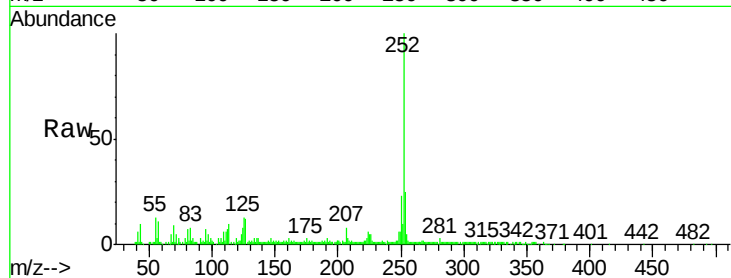
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:	252	Resp:	126083
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	13.1	9.6	14.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.84 ng

RT: 30.20 min Scan# 4657

Delta R.T. 0.03 min

Lab File: BG021786.D

Acq: 20 Apr 2016 15:44

Tgt Ion:	276	Resp:	43989
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.4	29.2
138	22.0	17.4	26.0

