

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021194.D
 Acq On : 1 Mar 2016 21:44
 Operator : UM/SJ
 Sample : H1578-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CEB-8(2.5-5)20160224

Manual Integrations
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 3/2/2016 12:51:39 PM

Quant Time: Mar 02 12:01:06 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	12251	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	60158	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	37376	20.00	ng	-0.01
63) Phenanthrene-d10	17.49	188	81240	20.00	ng	-0.01
75) Chrysene-d12	21.75	240	82910	20.00	ng	-0.02
86) Perylene-d12	25.02	264	78529	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	10585	13.74	ng	-0.01
7) Phenol-d6	7.29	99	116807	92.18	ng	0.00
23) Nitrobenzene-d5	9.31	82	107254	75.44	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	1926	4.95	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	178577	67.85	ng	-0.01
78) Terphenyl-d14	20.08	244	229736	67.13	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.01	128	8974	2.86	ng	99
49) Dimethylphthalate	14.20	163	29995	9.01	ng	99
51) Acenaphthene	14.82	154	5395	2.18	ng	90
57) Fluorene	15.79	166	8359	2.65	ng	# 96
70) Phenanthrene	17.53	178	112343	25.62	ng	99
71) Anthracene	17.62	178	21680m	4.83	ng	
74) Fluoranthene	19.53	202	129550	25.15	ng	98
77) Pyrene	19.89	202	132558	26.80	ng	98
80) Benzo(a)anthracene	21.73	228	60663	12.36	ng	99
82) Chrysene	21.80	228	59105	12.71	ng	99
85) Indeno(1,2,3-cd)pyrene	28.75	276	31785m	5.96	ng	
87) Benzo(b)fluoranthene	23.98	252	63699	12.90	ng	# 92
88) Benzo(k)fluoranthene	24.03	252	23583m	4.77	ng	
89) Benzo(a)pyrene	24.86	252	52227	10.94	ng	# 96
91) Benzo(a,h,i)perylene	29.92	276	29991	6.57	ng	# 87

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

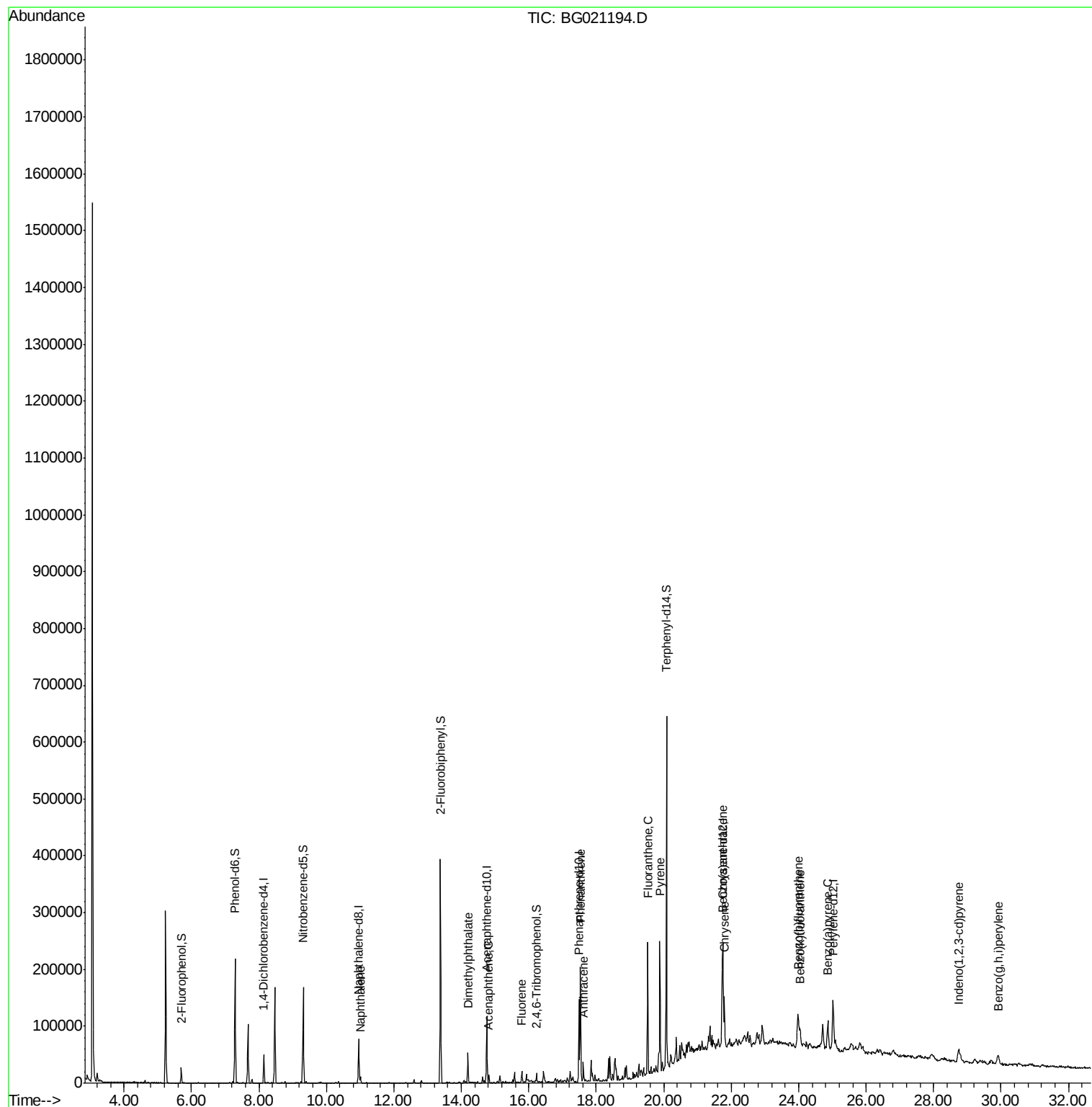
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
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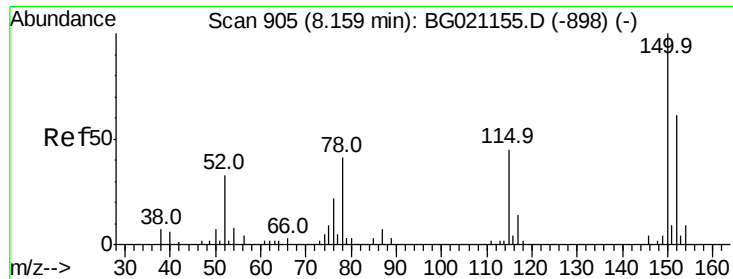
Instrument :
BNA_G
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CEB-8(2.5-5)20160224

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

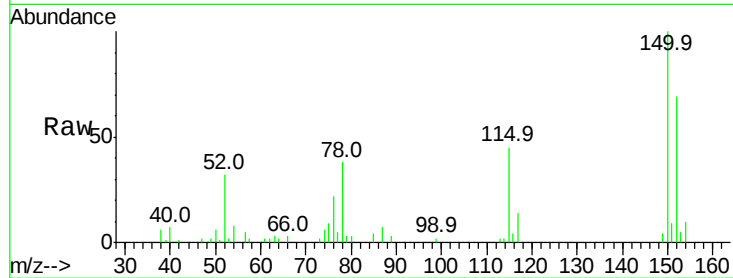
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Instrument :
BNA_G
ClientSampleId :
CEB-8(2.5-5)20160224

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	123.4	185.2
115	64.6	43.3	64.9

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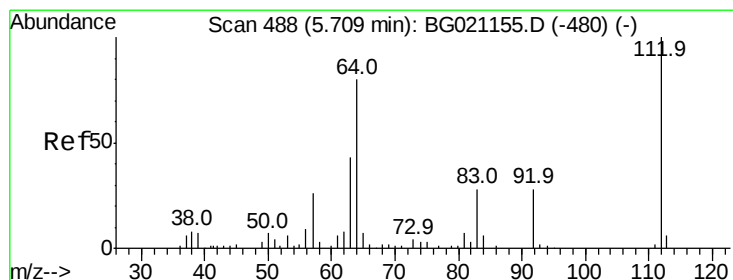
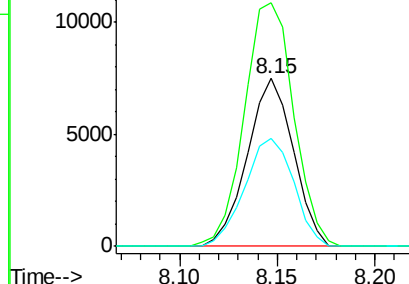
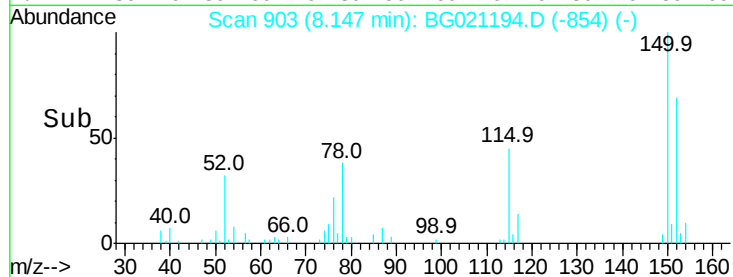


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

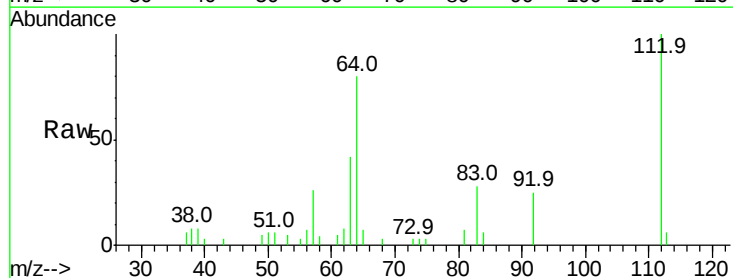
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.74 ng
RT: 5.70 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.8	42.6	63.8#
63	41.5	21.7	32.5#

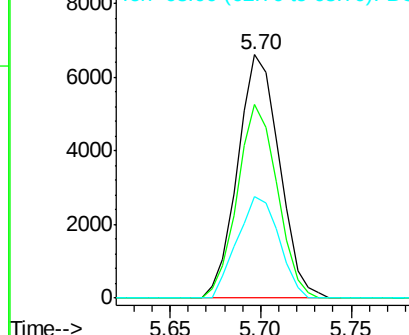
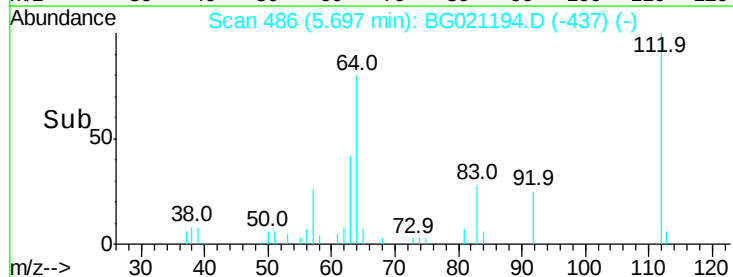


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 92.18 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

ClientSampleId :

CEB-8(2.5-5)20160224

Tot Ion: 99 Resp: 116807
Ion Ratio Lower Upper

99 100

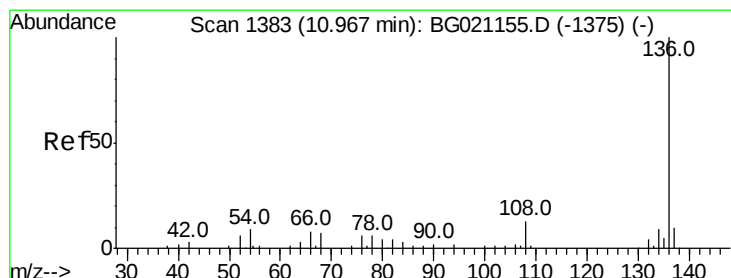
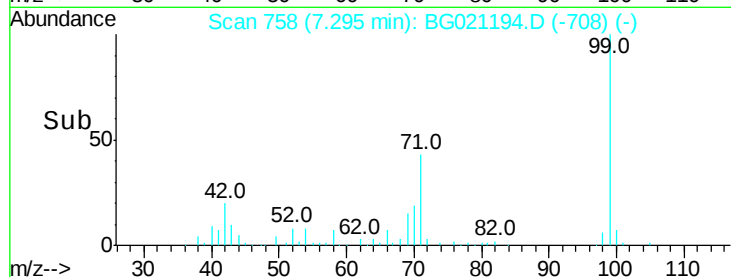
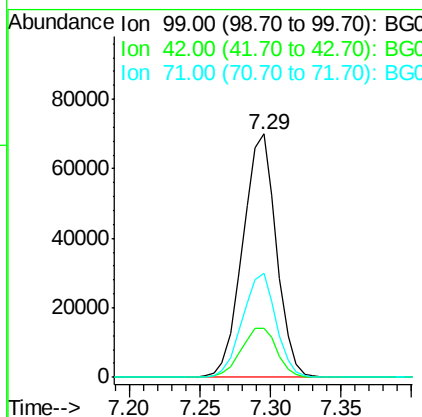
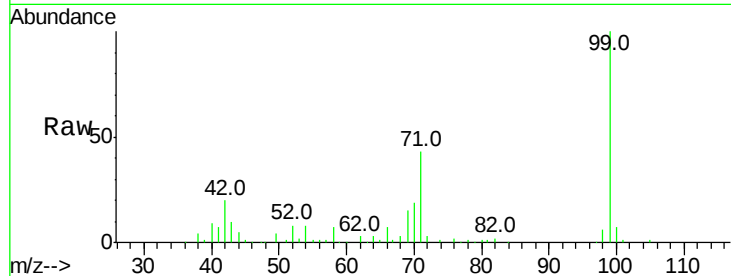
42 20.4 13.2 19.8#

71 42.5 25.2 37.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

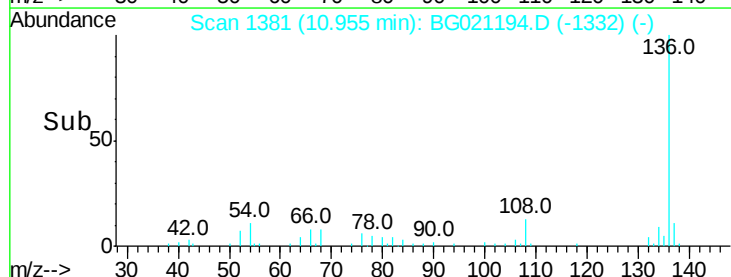
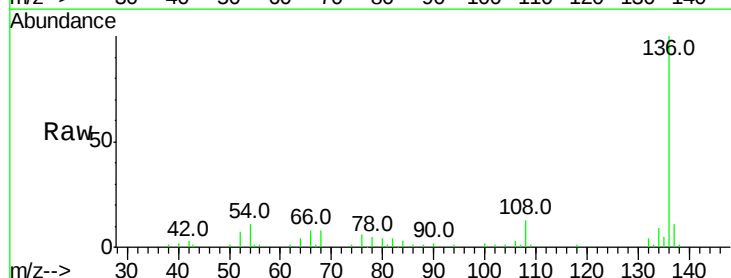
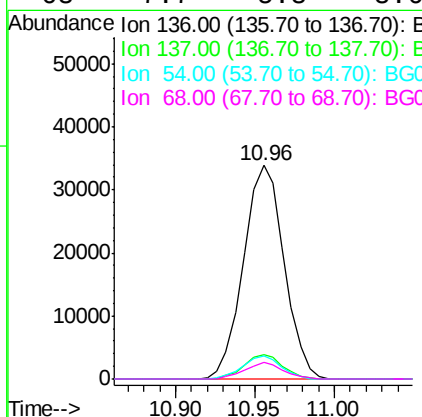
Tgt Ion: 136 Resp: 60158
Ion Ratio Lower Upper

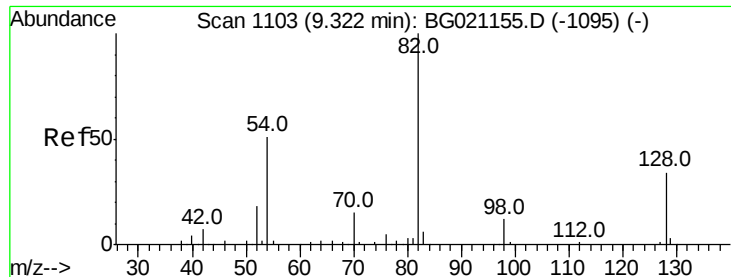
136 100

137 11.4 8.8 13.2

54 10.7 6.9 10.3#

68 7.7 5.8 8.6





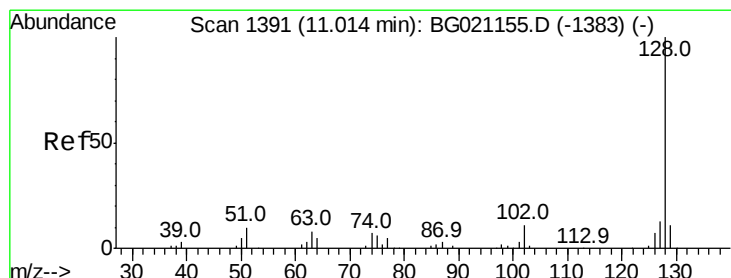
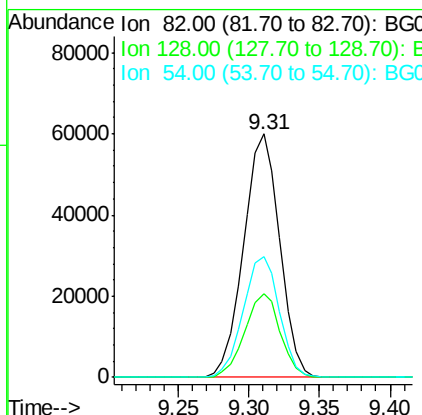
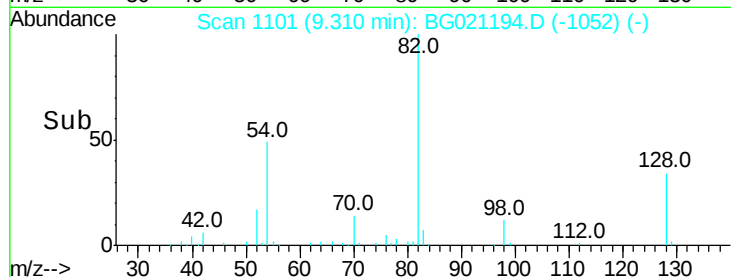
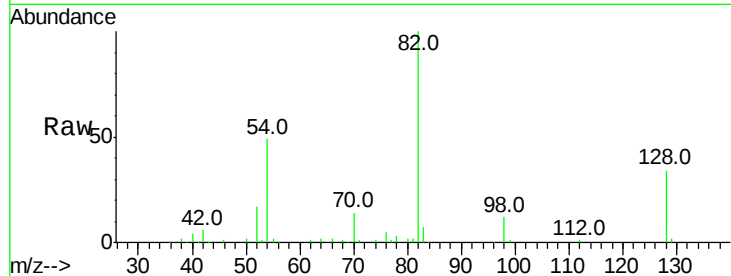
#23
Nitrobenzene-d5
Concen: 75.44 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Instrument :
BNA_G
ClientSampleId :
CEB-8(2.5-5)20160224

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.3	36.3	54.5#	
54	49.4	37.6	56.4	

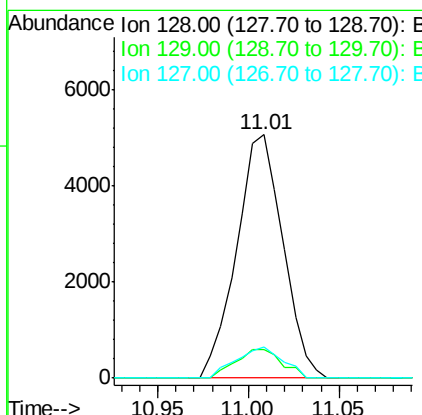
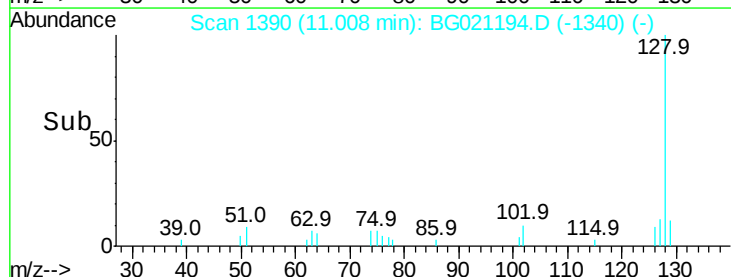
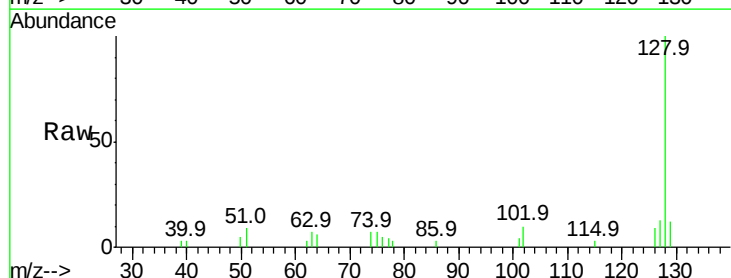
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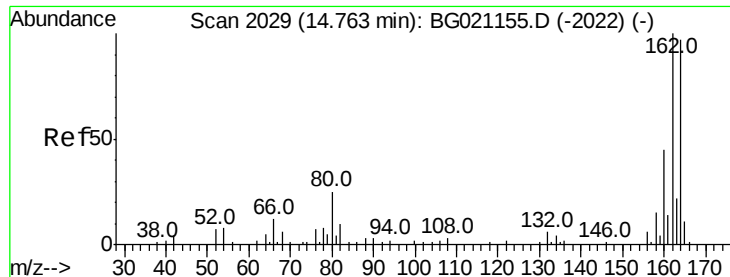
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#31
Naphthalene
Concen: 2.86 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.7	9.4	14.2	
127	12.7	10.8	16.2	





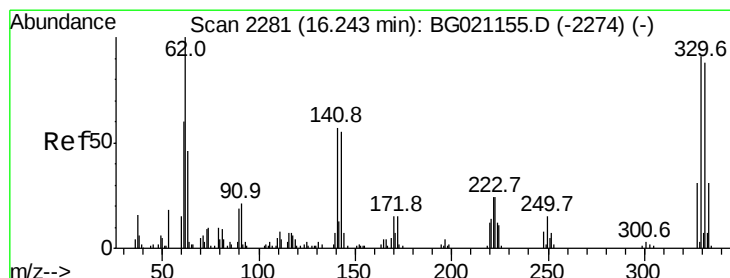
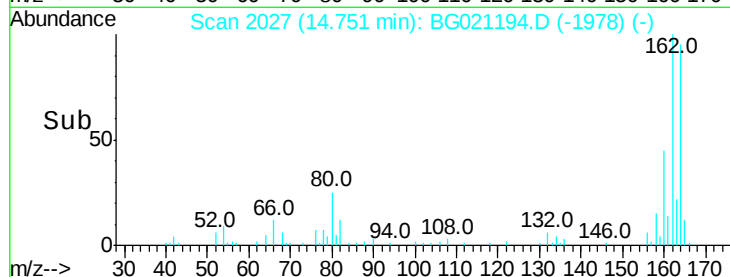
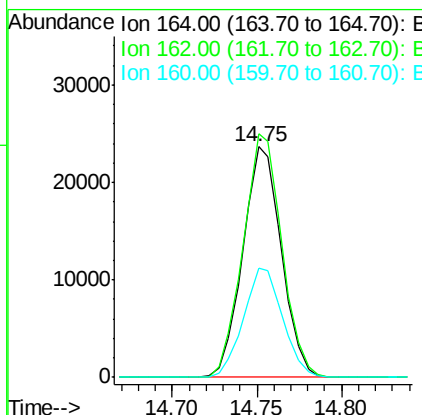
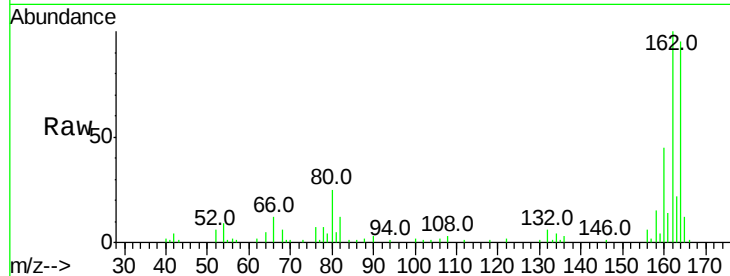
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Instrument :
BNA_G
ClientSampleId :
CEB-8(2.5-5)20160224

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	80.6	120.8
160	47.5	36.5	54.7

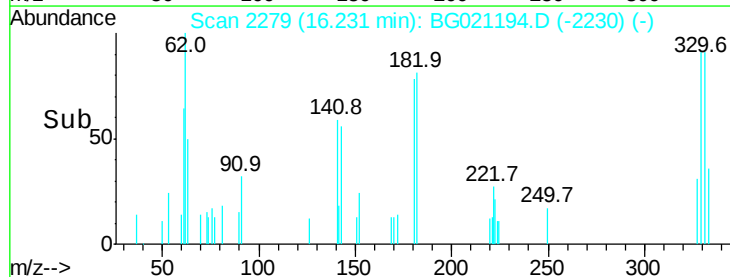
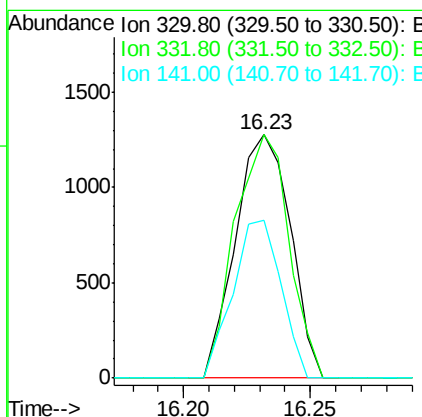
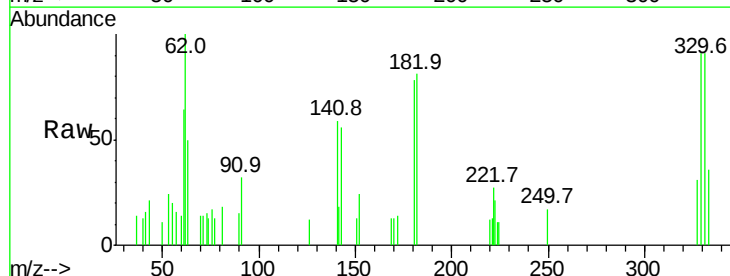
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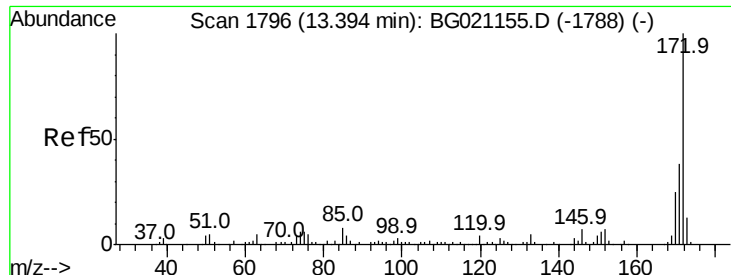
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#41
2,4,6-Tribromophenol
Concen: 4.95 ng
RT: 16.23 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.0
141	56.6	35.3	52.9





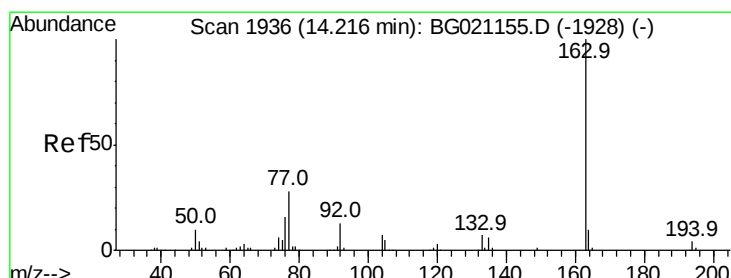
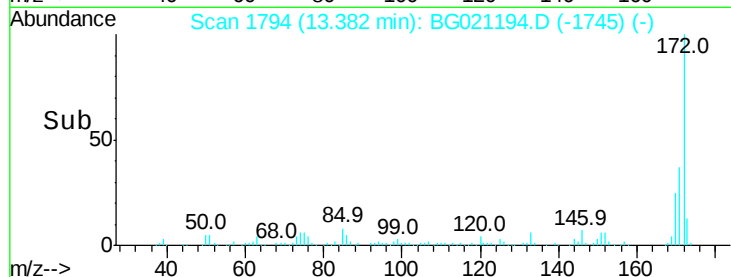
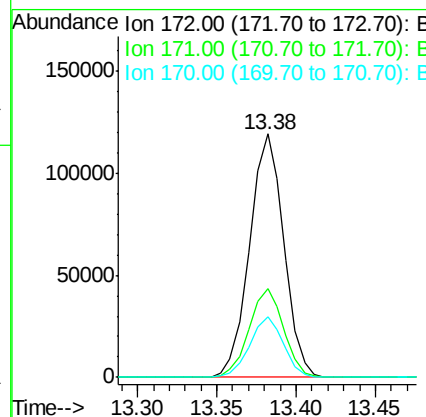
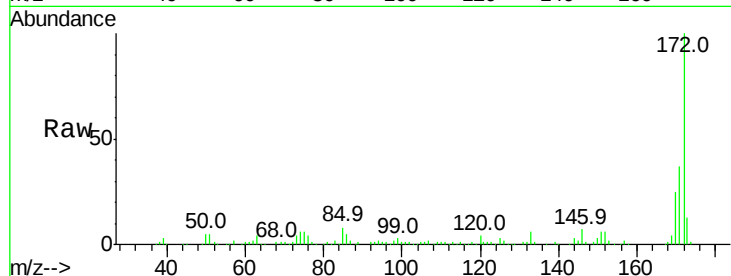
#44
 2-Fluorobiphenyl
 Concen: 67.85 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG021194.D
 Acq: 1 Mar 2016 21:44

Instrument :
 BNA_G
 ClientSampleId :
 CEB-8(2.5-5)20160224

Tot Ion	Ratio	Resp	Lower	Upper
172	100	178577		
171	36.6		29.4	44.0
170	24.8		19.8	29.8

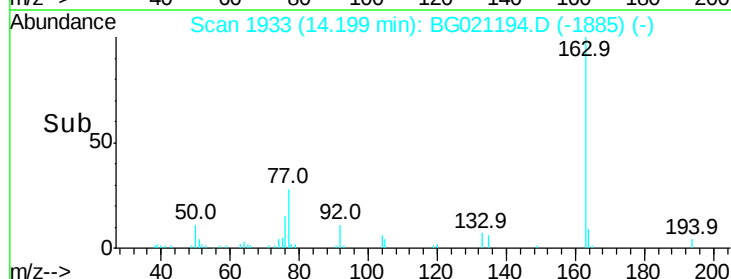
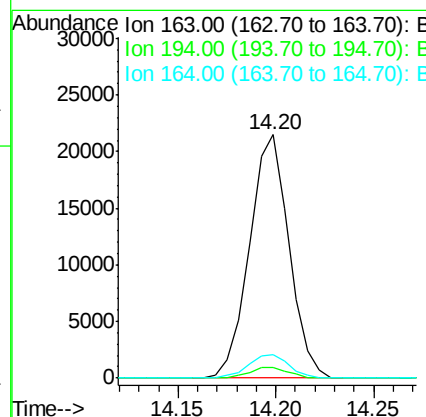
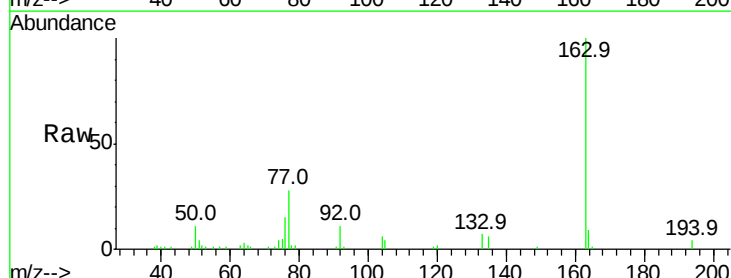
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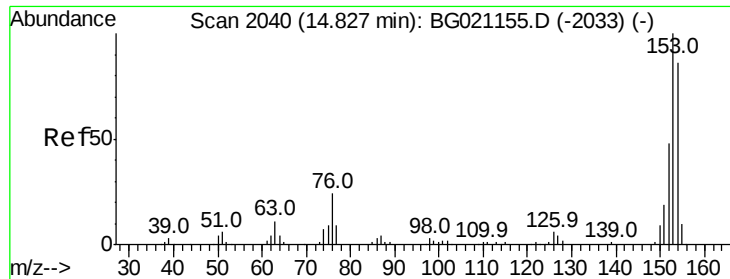
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#49
 Dimethylphthalate
 Concen: 9.01 ng
 RT: 14.20 min Scan# 1933
 Delta R.T. -0.02 min
 Lab File: BG021194.D
 Acq: 1 Mar 2016 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29995		
194	4.1		2.8	4.2
164	9.5		7.9	11.9





#51

Acenaphthene

Concen: 2.18 ng

RT: 14.82 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

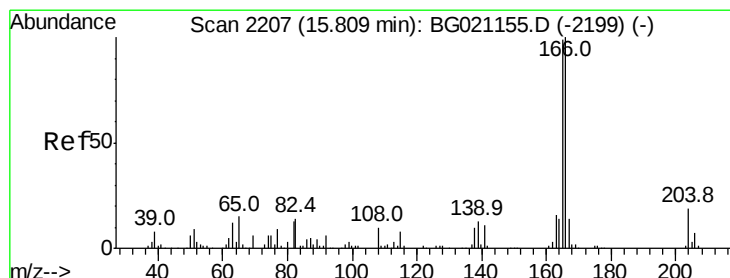
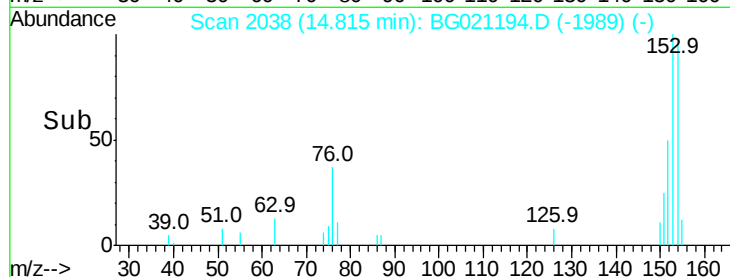
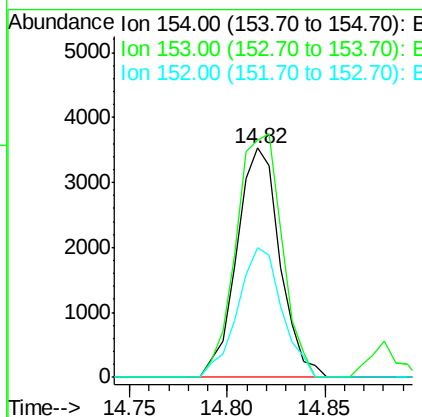
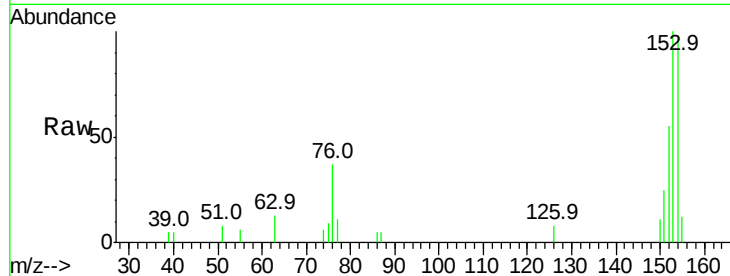
ClientSampleId :

CEB-8(2.5-5)20160224

Tot Ion:	154	Resp:	5395
Ion Ratio	Lower	Upper	
154	100		
153	103.5	94.2	141.2
152	56.8	42.9	64.3

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#57

Fluorene

Concen: 2.65 ng

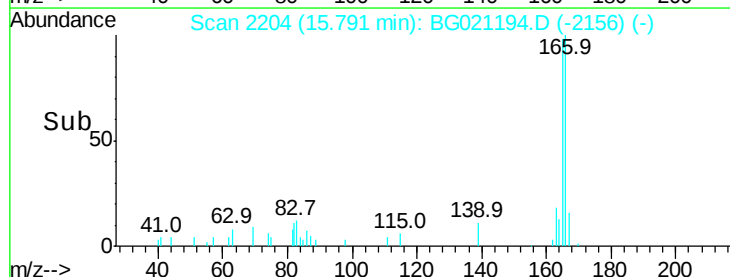
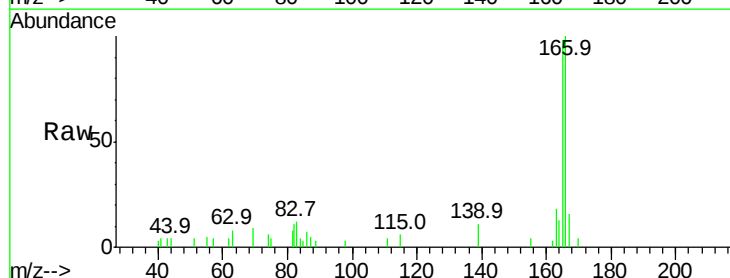
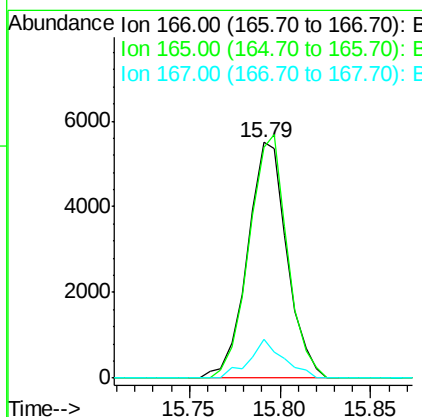
RT: 15.79 min Scan# 2204

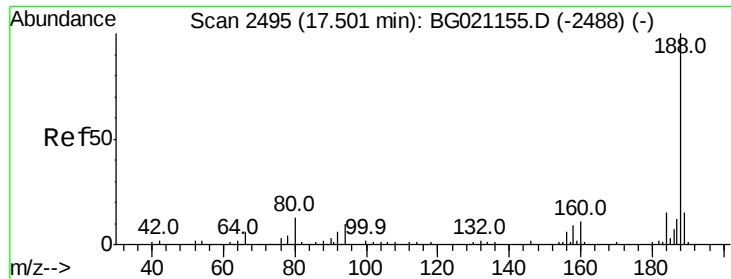
Delta R.T. -0.02 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Tgt Ion:	166	Resp:	8359
Ion Ratio	Lower	Upper	
166	100		
165	98.2	81.3	121.9
167	16.4	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

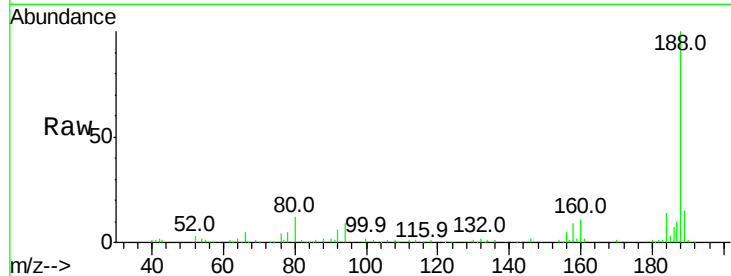
ClientSampleId :

CEB-8(2.5-5)20160224

Tot Ion:	188	Resp:	81240
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.2	12.4
80	12.1	9.2	13.8

Manual Integrations
APPROVED

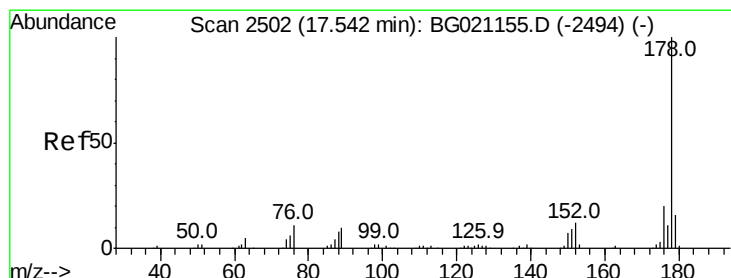
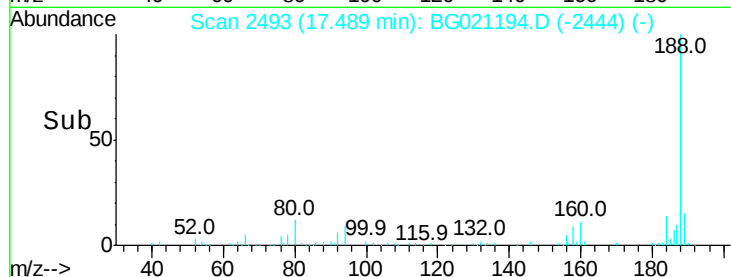
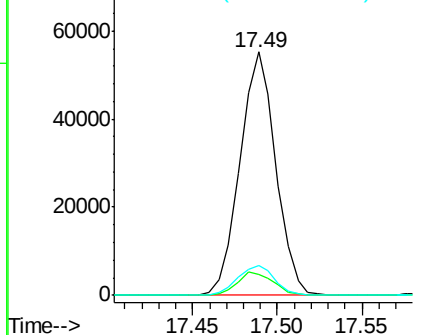
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 25.62 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BG021194.D

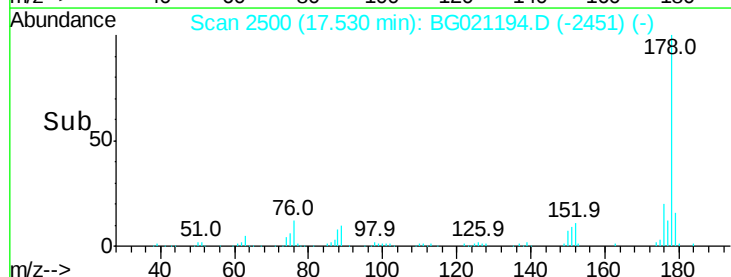
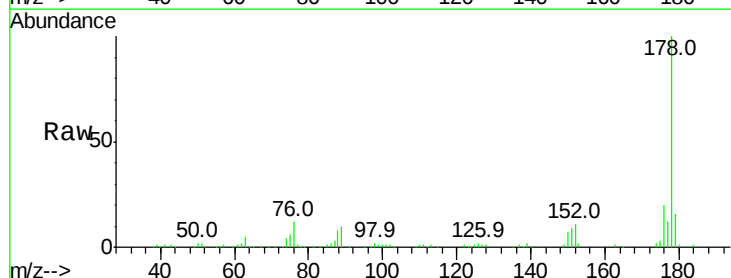
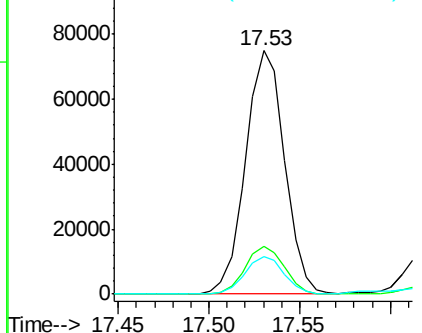
Acq: 1 Mar 2016 21:44

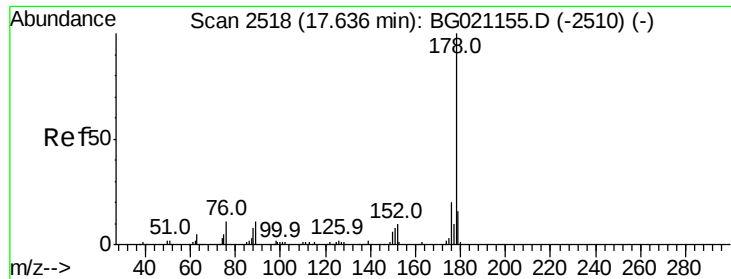
Tgt Ion:	178	Resp:	112343
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	15.6	12.9	19.3

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.83 ng/mL

RT: 17.62 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

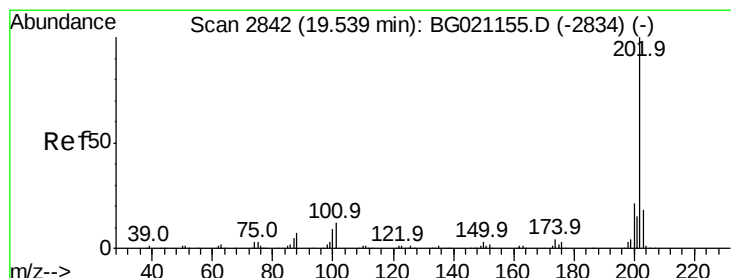
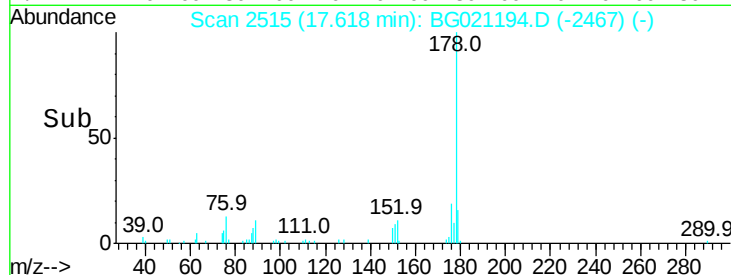
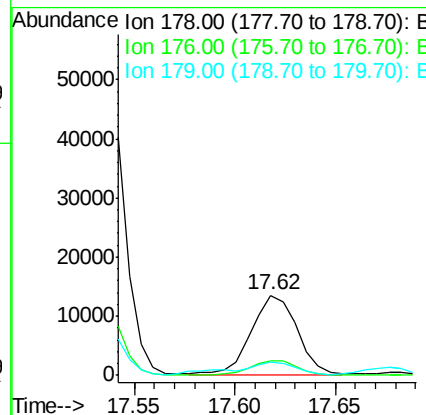
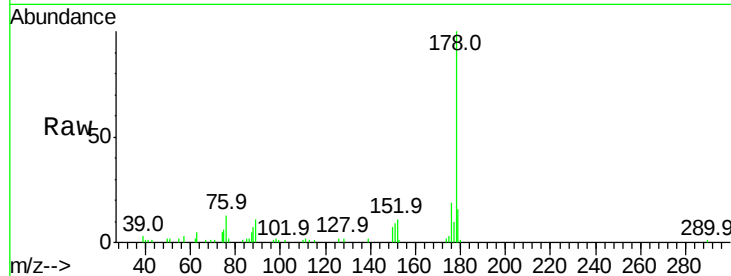
ClientSampleId :

CEB-8(2.5-5)20160224

Tot Ion:	178	Resp:	21680
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.8	22.2
179	16.2	12.6	19.0

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#74

Fluoranthene

Concen: 25.15 ng

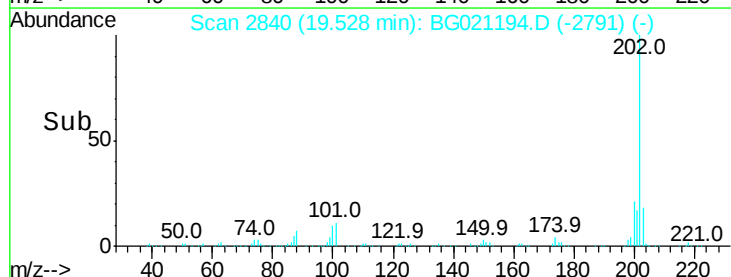
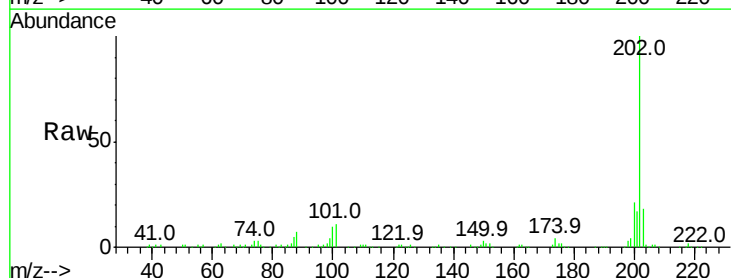
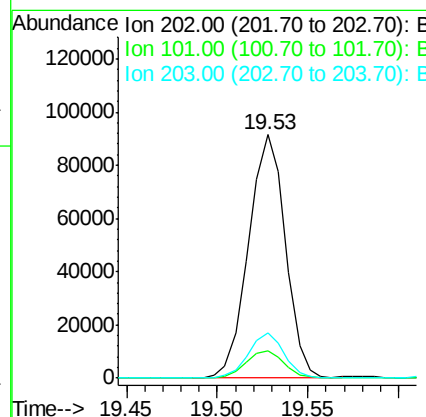
RT: 19.53 min Scan# 2840

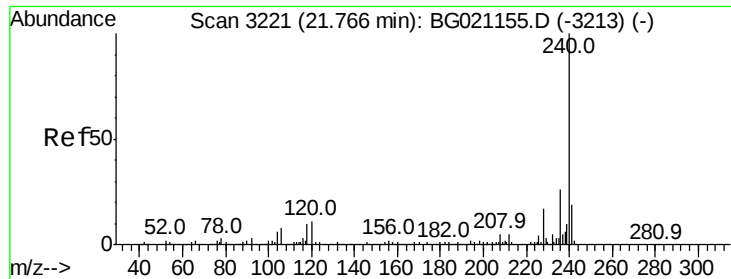
Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Tgt Ion:	202	Resp:	129550
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.5
203	18.5	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

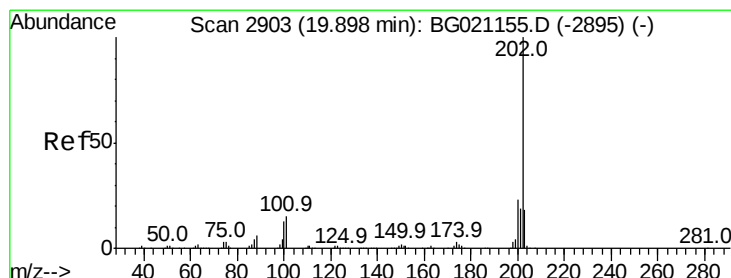
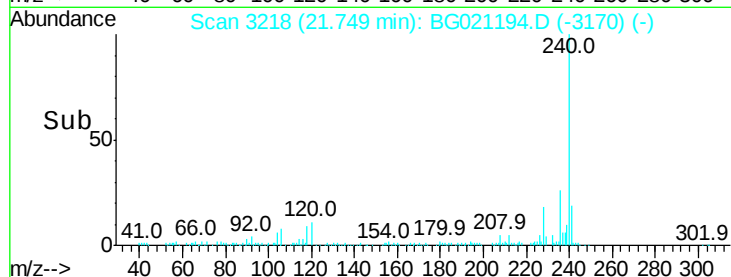
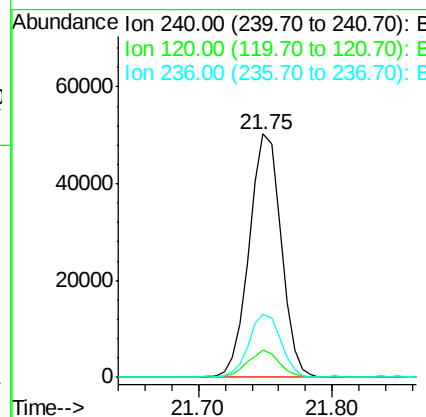
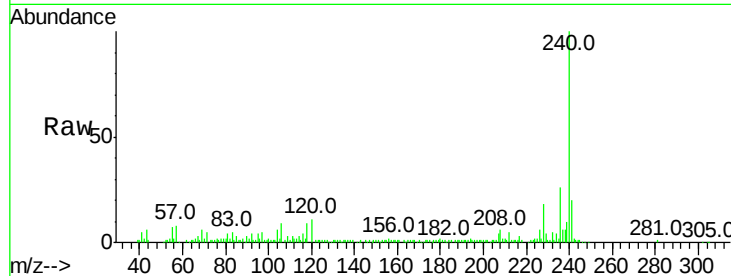
ClientSampleId :

CEB-8(2.5-5)20160224

Tot Ion:	240	Resp:	82910
Ion Ratio	Lower	Upper	
240	100		
120	11.0	7.5	11.3
236	26.2	20.5	30.7

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#77

Pyrene

Concen: 26.80 ng

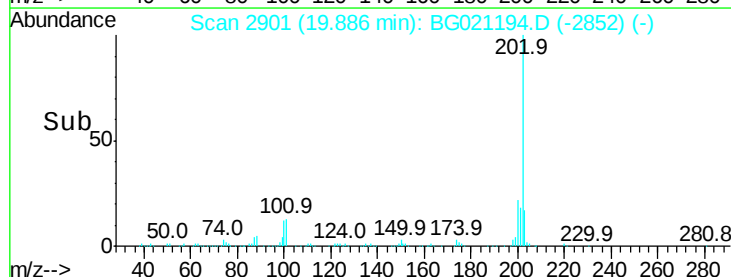
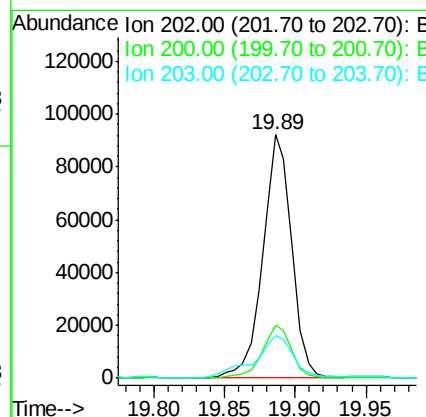
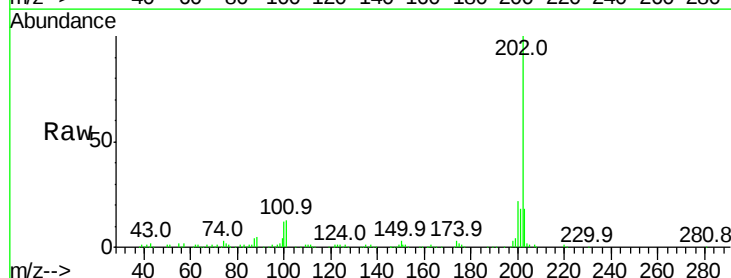
RT: 19.89 min Scan# 2901

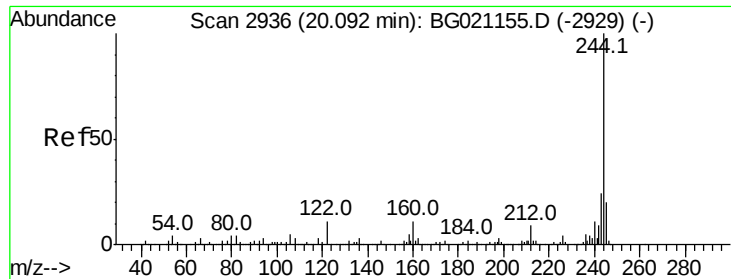
Delta R.T. -0.01 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Tgt Ion:	202	Resp:	132558
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.6	25.0
203	17.6	13.8	20.8





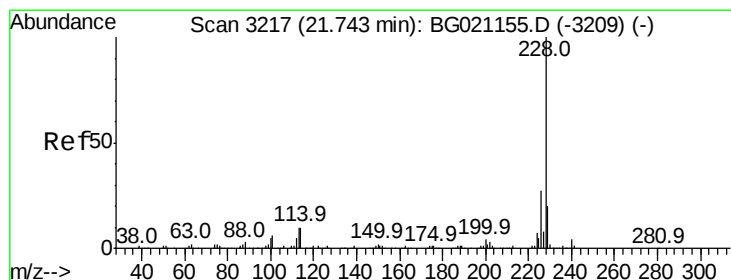
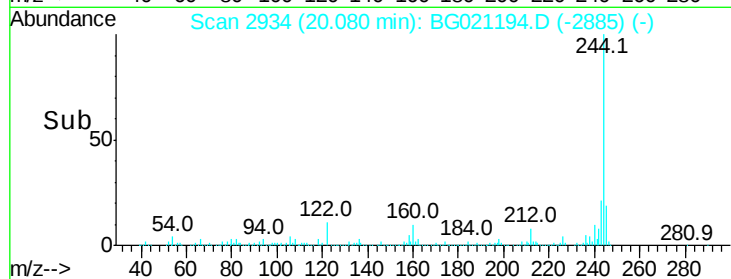
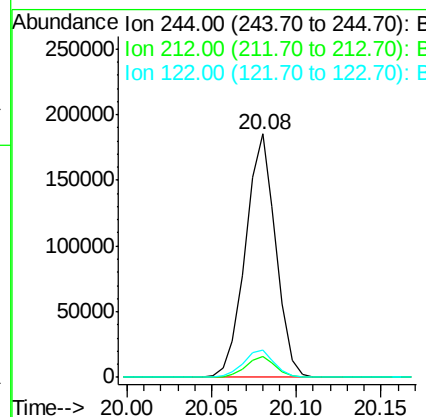
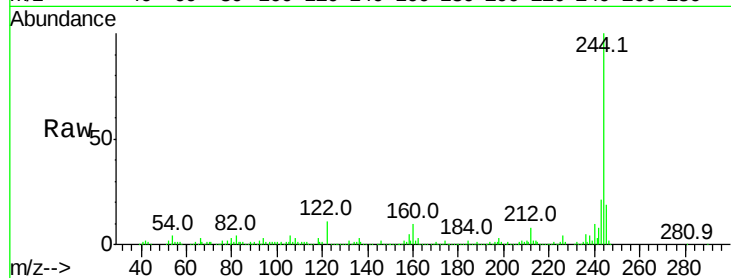
#78
 Terphenyl-d14
 Concen: 67.13 ng
 RT: 20.08 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BG021194.D
 Acq: 1 Mar 2016 21:44

Instrument :
 BNA_G
 ClientSampleId :
 CEB-8(2.5-5)20160224

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.6
122	11.0	8.3	12.5

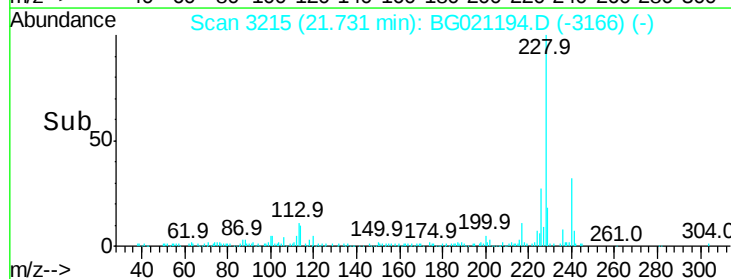
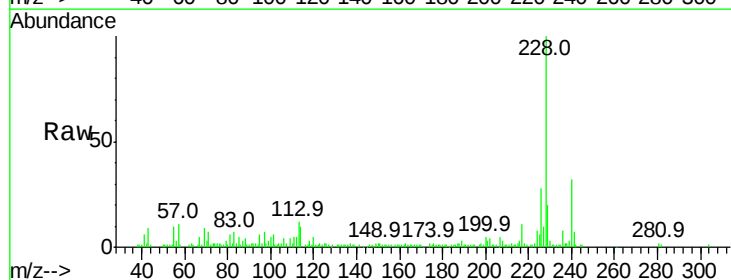
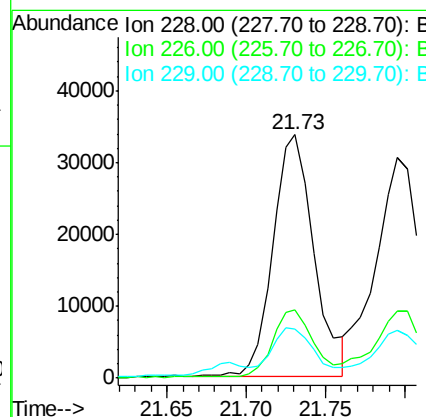
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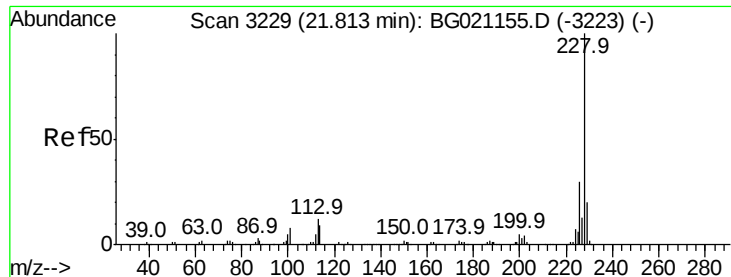
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#80
 Benzo(a)anthracene
 Concen: 12.36 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.01 min
 Lab File: BG021194.D
 Acq: 1 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.7	34.1
229	20.2	15.5	23.3





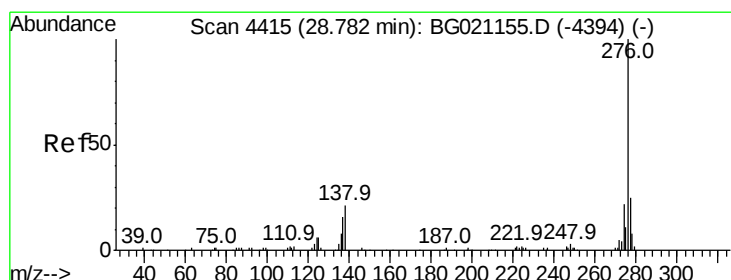
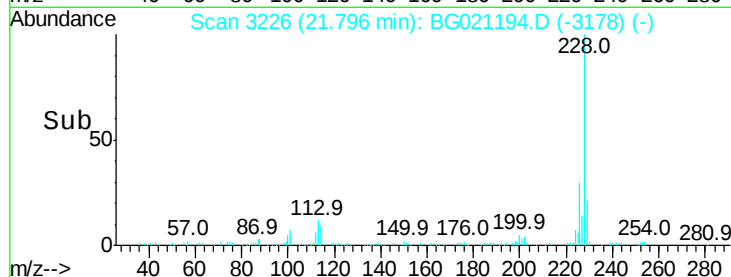
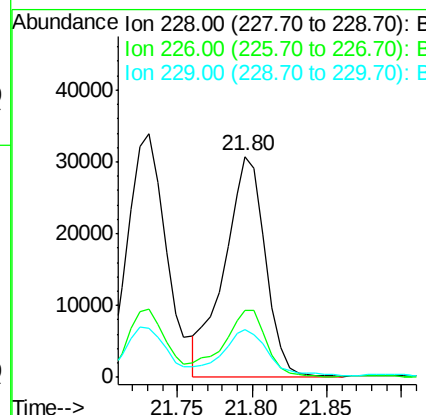
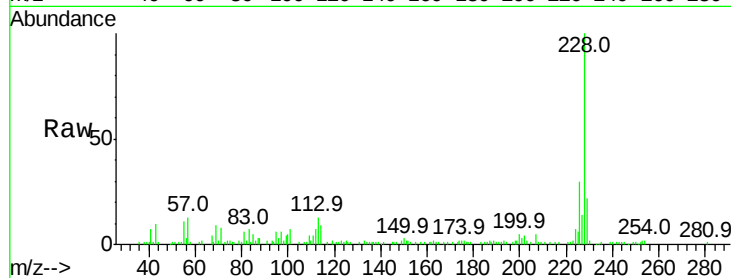
#82
Chrysene
Concen: 12.71 ng
RT: 21.80 min Scan# 3226
Delta R.T. -0.02 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Instrument :
BNA_G
ClientSampleId :
CEB-8(2.5-5)20160224

Tot Ion:	228	Resp:	59105
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.7	35.5
229	21.5	16.7	25.1

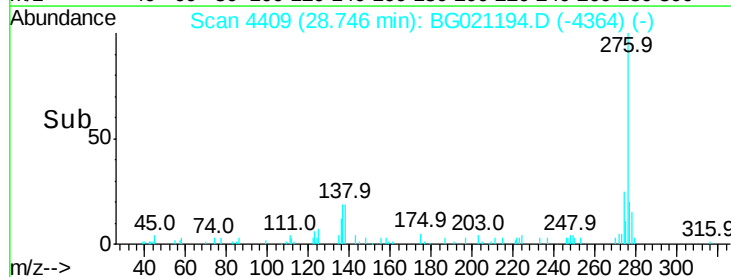
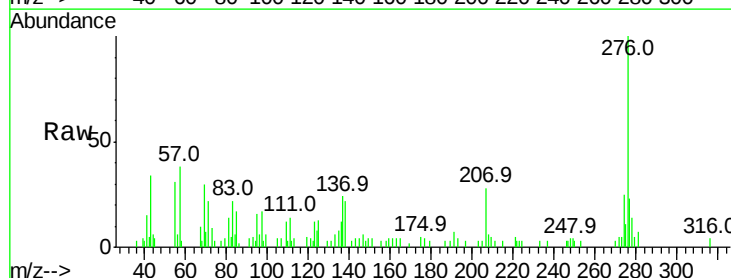
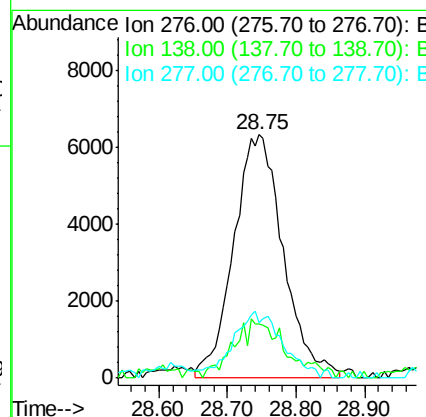
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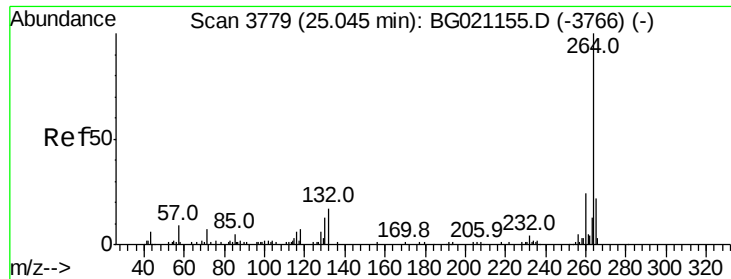
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.96 ng m
RT: 28.75 min Scan# 4409
Delta R.T. -0.04 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Tgt Ion:	276	Resp:	31785
Ion Ratio	Lower	Upper	
276	100		
138	0.0	0.0	0.0
277	0.0	0.0	0.0





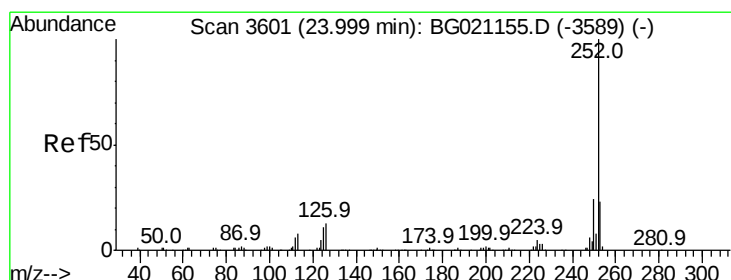
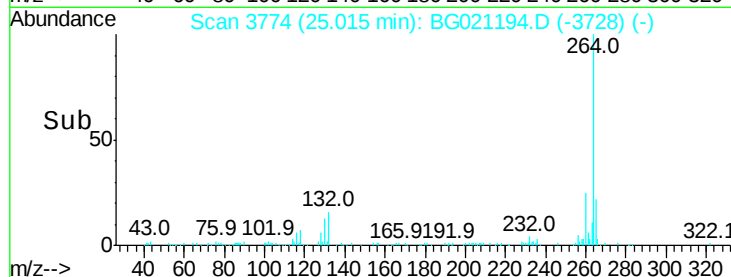
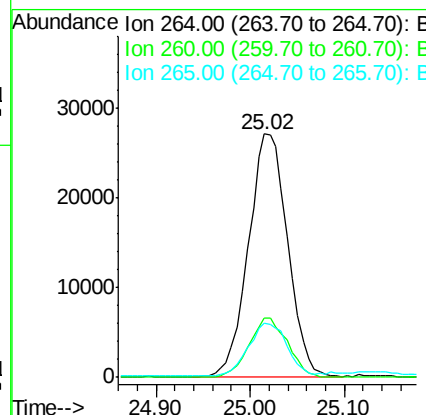
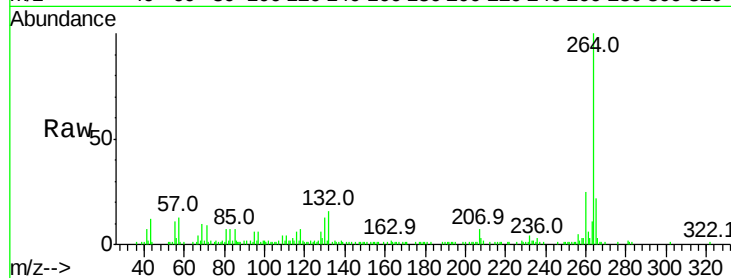
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3774
Delta R.T. -0.03 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Instrument :
BNA_G
ClientSampleId :
CEB-8(2.5-5)20160224

Tot Ion:	264	Resp:	78529
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.5	27.7
265	22.3	18.6	28.0

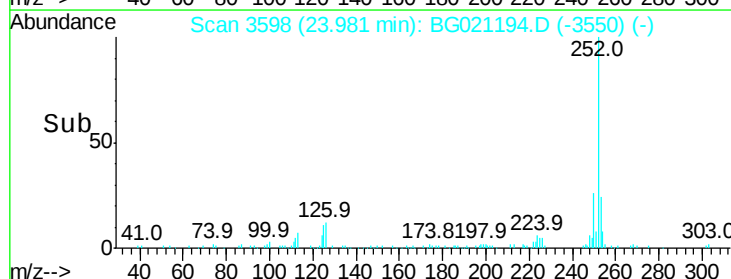
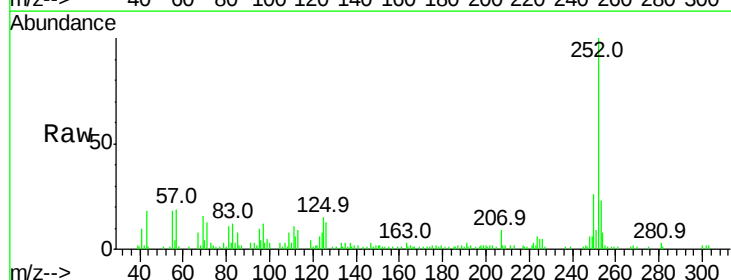
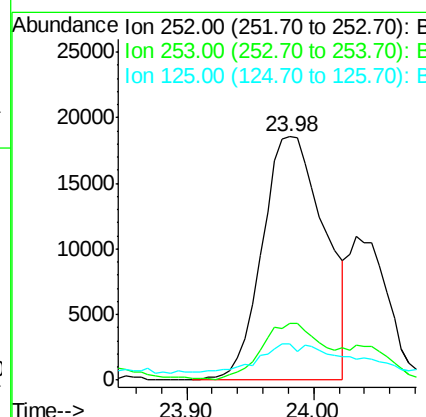
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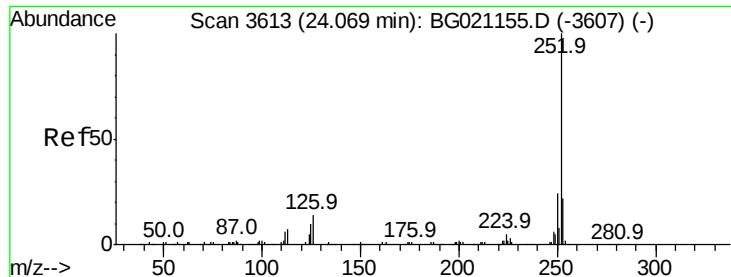
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#87
Benzo(b)fluoranthene
Concen: 12.90 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.02 min
Lab File: BG021194.D
Acq: 1 Mar 2016 21:44

Tgt Ion:	252	Resp:	63699
Ion Ratio	Lower	Upper	
252	100		
253	23.4	16.8	25.2
125	14.8	8.2	12.2#





#88

Benzo(k)fluoranthene

Concen: 4.77 ng/mL

RT: 24.03 min Scan# 3607

Delta R.T. -0.04 min

Lab File: BG021194.D

Acq: 1 Mar 2016 21:44

Instrument :

BNA_G

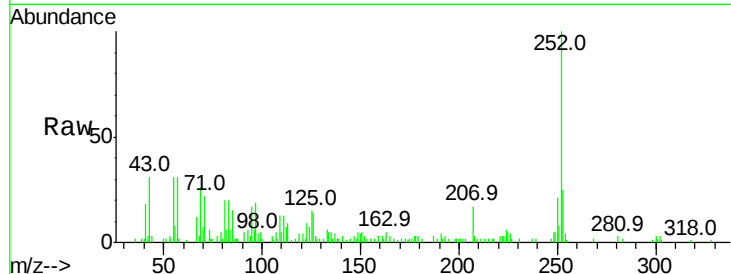
ClientSampleId :

CEB-8(2.5-5)20160224

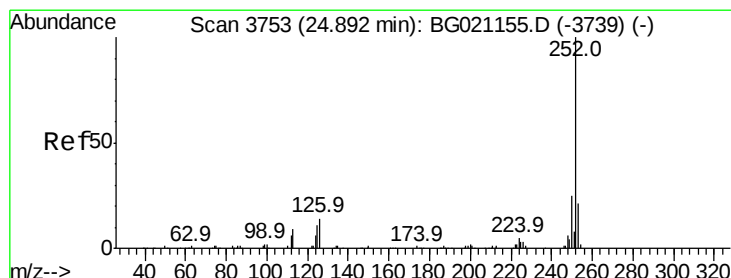
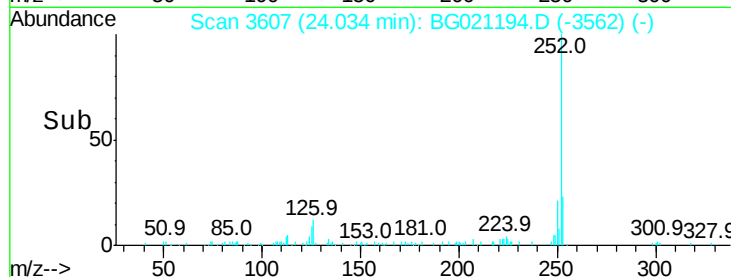
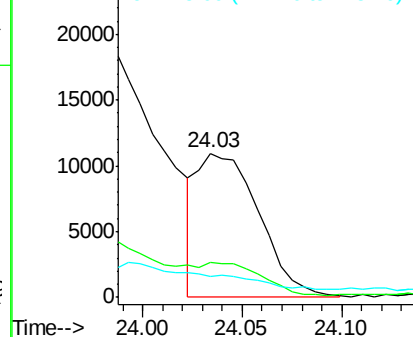
Tot Ion:	252	Resp:	23583
Ion Ratio	Lower	Upper	
252	100		
253	24.6	16.4	24.6#
125	14.8	8.2	12.2#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.94 ng/mL

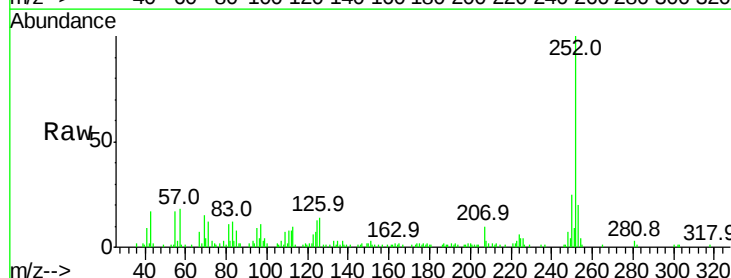
RT: 24.86 min Scan# 3748

Delta R.T. -0.03 min

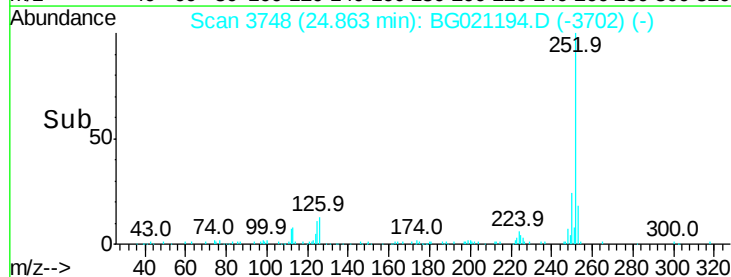
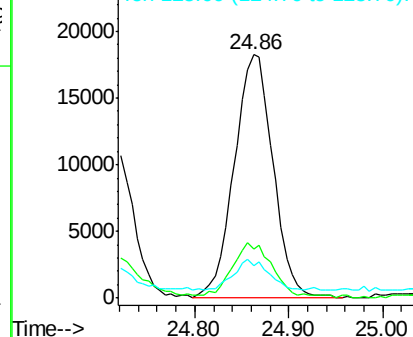
Lab File: BG021194.D

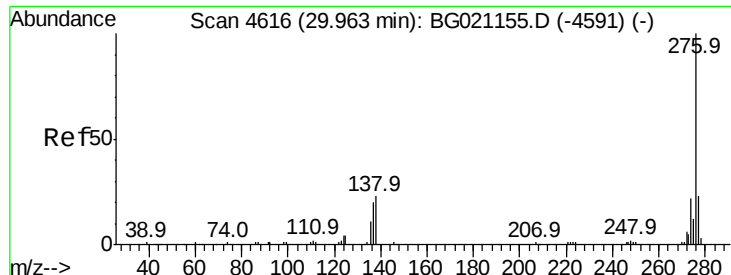
Acq: 1 Mar 2016 21:44

Tgt Ion:	252	Resp:	52227
Ion Ratio	Lower	Upper	
252	100		
253	20.4	15.8	23.8
125	13.5	8.4	12.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 6.57 ng
 RT: 29.92 min Scan# 4608
 Delta R.T. -0.05 min
 Lab File: BG021194.D
 Acq: 1 Mar 2016 21:44

Instrument :
 BNA_G
 ClientSampleId :
 CEB-8(2.5-5)20160224

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.2	16.6	25.0
138	28.1	14.6	21.8

Manual Integrations
 APPROVED

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 3/2/2016 12:51:39 PM

