

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021197.D
 Acq On : 1 Mar 2016 23:43
 Operator : UM/SJ
 Sample : H1565-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CEB-5(2.5-5)20160223

Manual Integrations
 APPROVED

Sohil
 3/2/2016 9:52:08 AM

Quant Time: Mar 02 07:30:31 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	13067	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	62959	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	35407	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	74540	20.00	ng	0.00
75) Chrysene-d12	21.76	240	79361	20.00	ng	0.00
86) Perylene-d12	25.04	264	74453	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	24547	29.86	ng	0.00
7) Phenol-d6	7.30	99	141298	104.54	ng	0.00
23) Nitrobenzene-d5	9.31	82	151037	101.51	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	7567	20.54	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	227410	91.20	ng	0.00
78) Terphenyl-d14	20.08	244	282797	86.33	ng	0.00

Target Compounds						Qvalue
31) Naphthalene	11.00	128	49009	14.93	ng	99
37) 2-Methylnaphthalene	12.60	142	29403	12.58	ng	# 93
49) Dimethylphthalate	14.20	163	42790	13.56	ng	# 99
51) Acenaphthene	14.82	154	9136	3.89	ng	94
54) Dibenzofuran	15.15	168	9751	3.11	ng	# 90
57) Fluorene	15.80	166	14193	4.75	ng	95
70) Phenanthrene	17.54	178	205302	51.04	ng	98
71) Anthracene	17.62	178	32458	7.89	ng	97
72) Carbazole	17.88	167	12833	3.52	ng	# 91
74) Fluoranthene	19.53	202	240758	50.94	ng	98
77) Pyrene	19.89	202	243526	51.44	ng	98
80) Benzo(a)anthracene	21.73	228	111890	23.81	ng	98
82) Chrysene	21.80	228	111440	25.03	ng	98
83) Bis(2-ethylhexyl)phthalate	21.63	149	50042	14.13	ng	96
85) Indeno(1,2,3-cd)pyrene	28.75	276	44697	8.75	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	114417	24.43	ng	# 94
88) Benzo(k)fluoranthene	24.05	252	46276m	9.87	ng	
89) Benzo(a)pyrene	24.88	252	90989	20.10	ng	96
90) Dibenzo(a,h)anthracene	28.81	278	11644	2.60	ng	# 87
91) Benzo(a,h,i)perylene	29.94	276	40009	9.25	ng	# 88

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

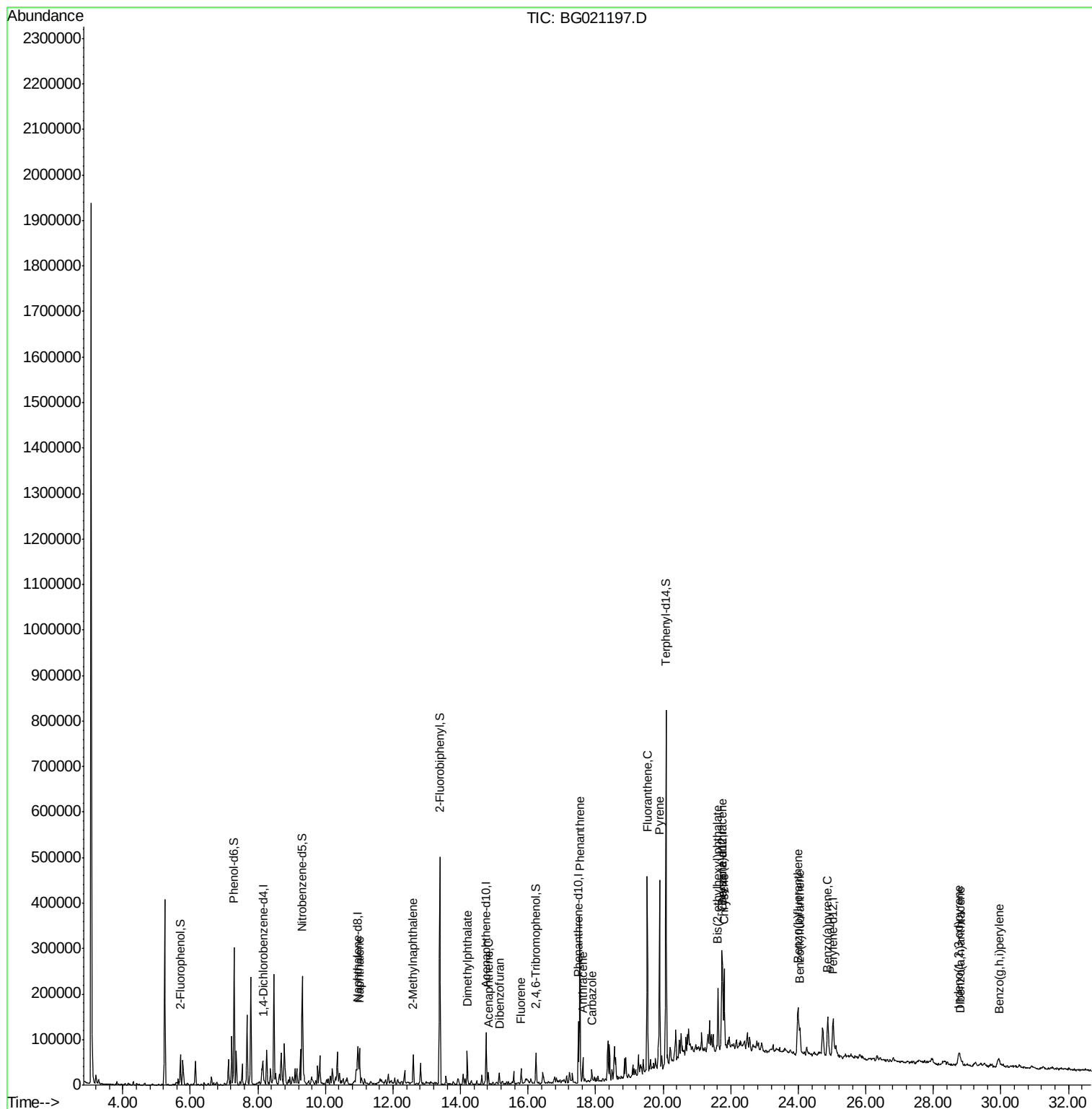
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021197.D
Acq On : 1 Mar 2016 23:43
Operator : UM/SJ
Sample : H1565-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

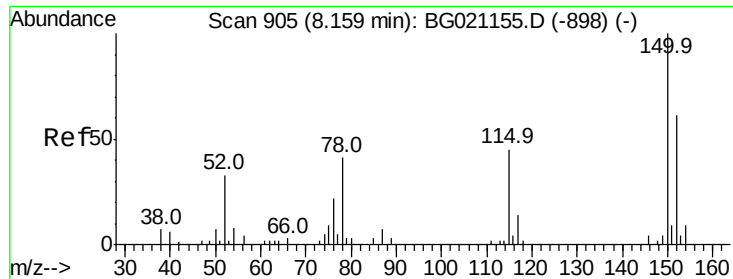
Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Manual Integrations
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3/2/2016 9:52:08 AM

Quant Time: Mar 02 07:30:31 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





#1

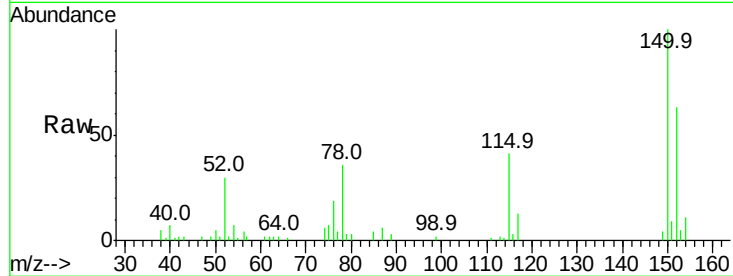
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	123.4	185.2
115	65.9	43.3	64.9#

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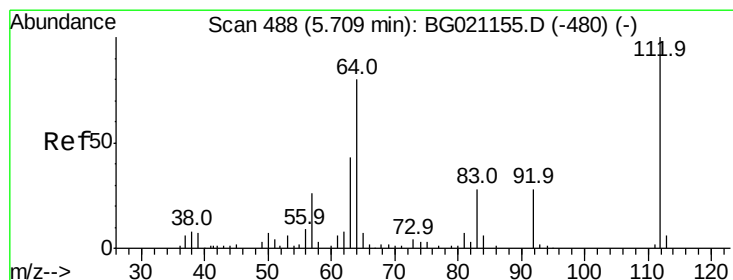
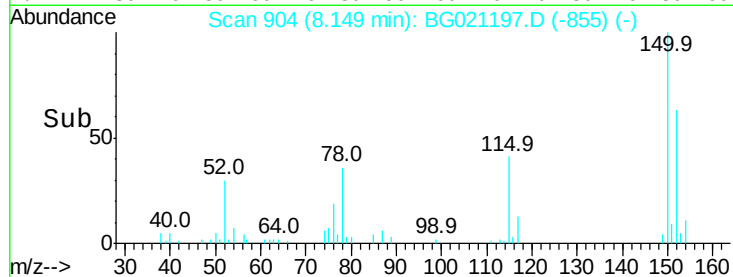
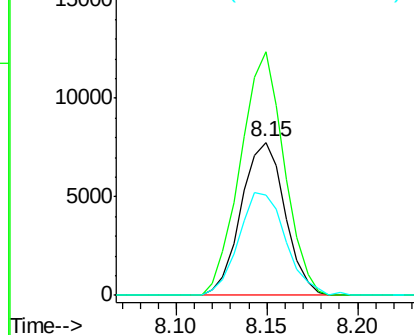


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

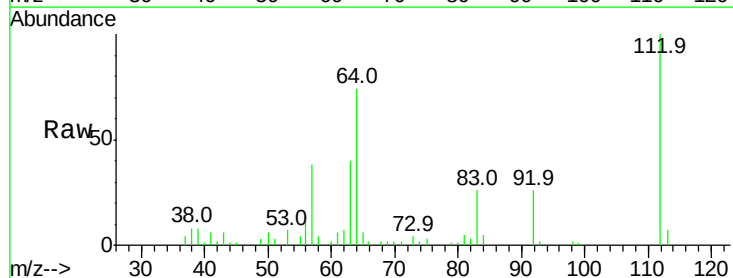
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.86 ng
RT: 5.70 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	42.6	63.8#
63	39.7	21.7	32.5#

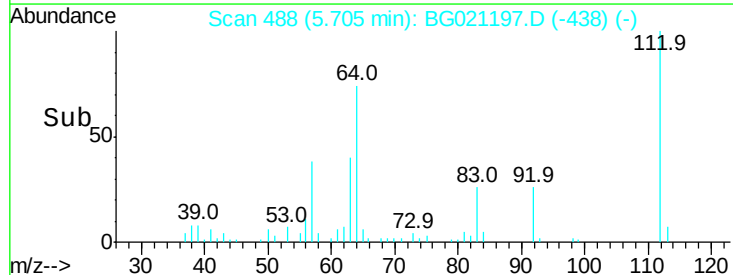
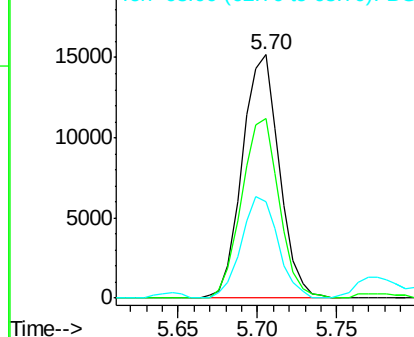


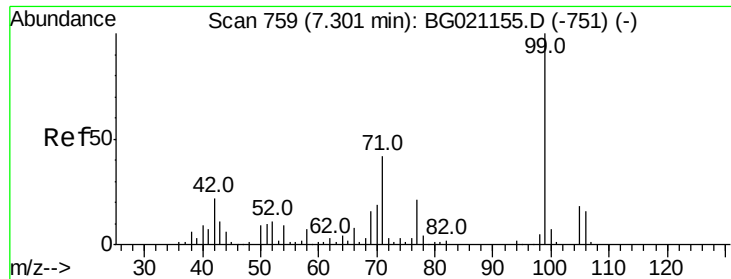
Abundance

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: 104.54 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Instrument :

BNA_G

ClientSampleId :

CEB-5(2.5-5)20160223

Tot Ion: 99 Resp: 141298

Ion Ratio Lower Upper

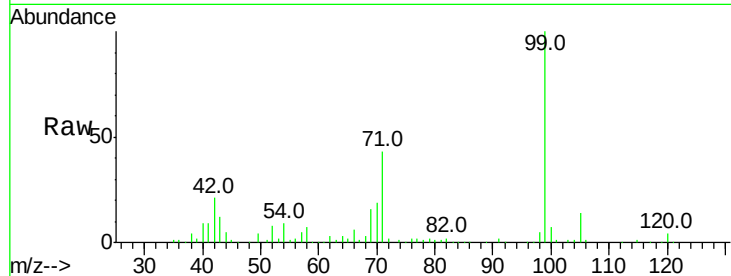
99 100

42 21.3 13.2 19.8#

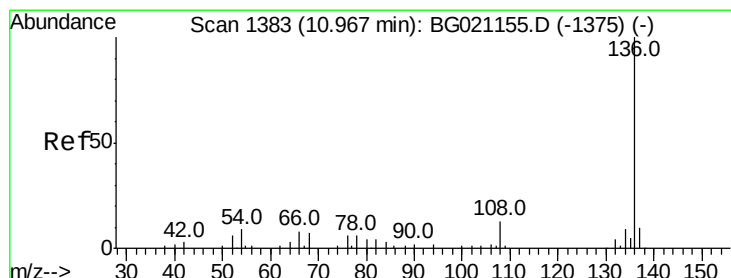
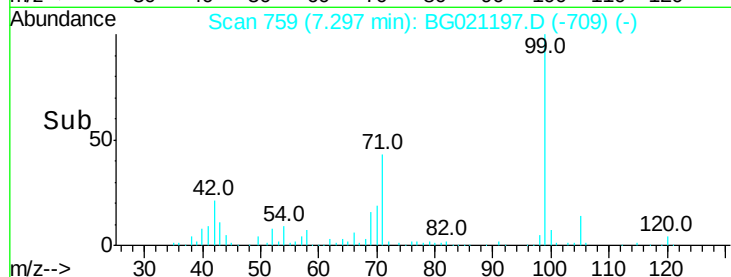
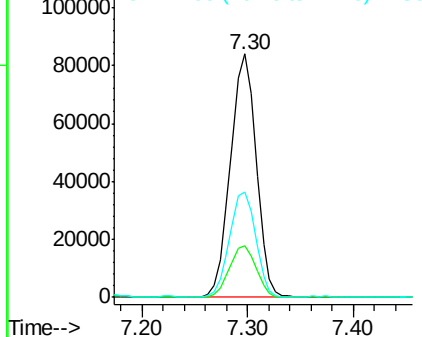
71 43.1 25.2 37.8#

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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: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Tgt Ion: 136 Resp: 62959

Ion Ratio Lower Upper

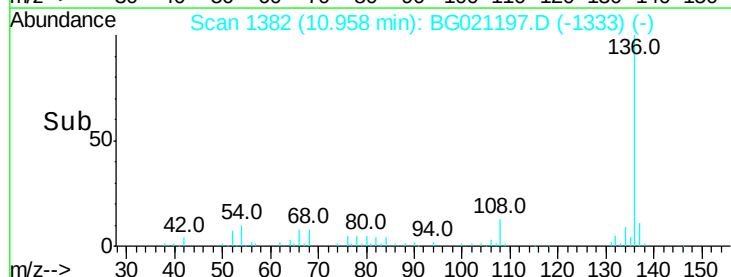
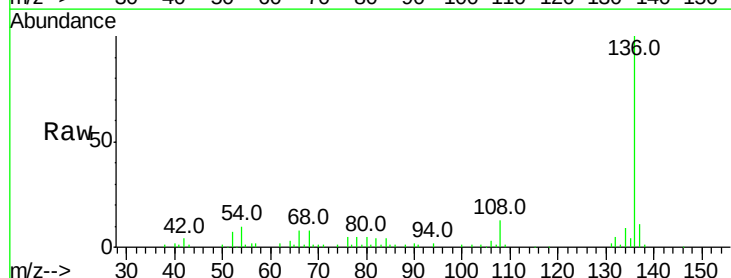
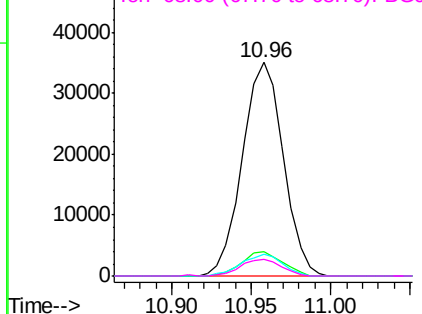
136 100

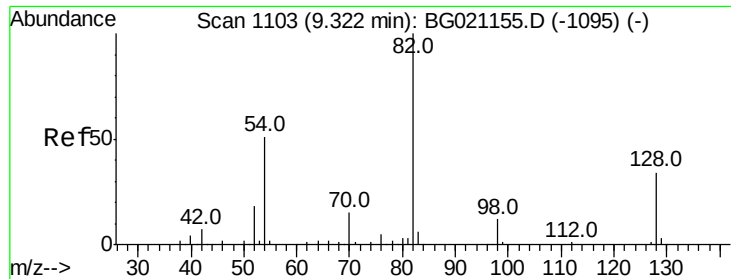
137 11.1 8.8 13.2

54 10.4 6.9 10.3#

68 7.6 5.8 8.6

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





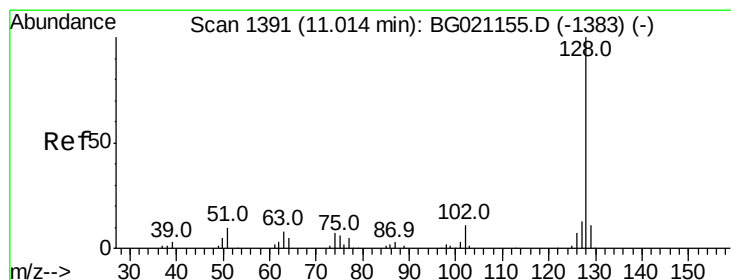
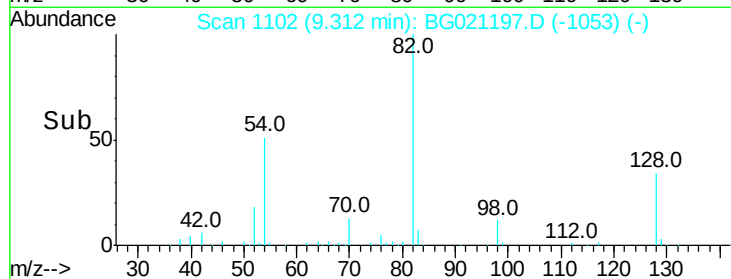
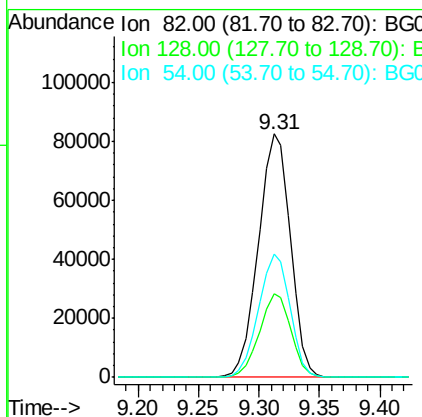
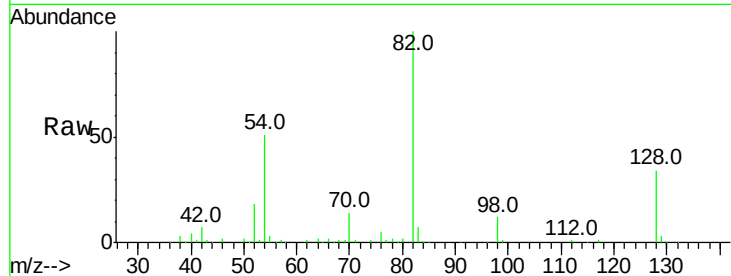
#23
Nitrobenzene-d5
Concen: 101.51 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.2	36.3	54.5#	
54	50.8	37.6	56.4	

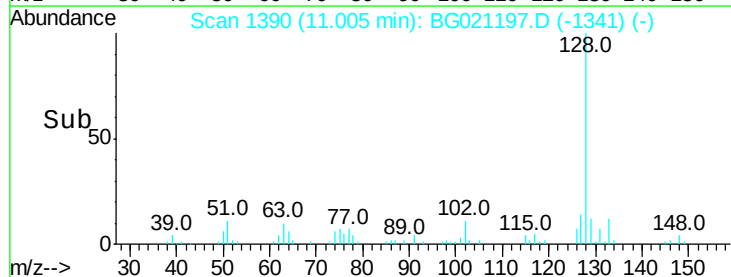
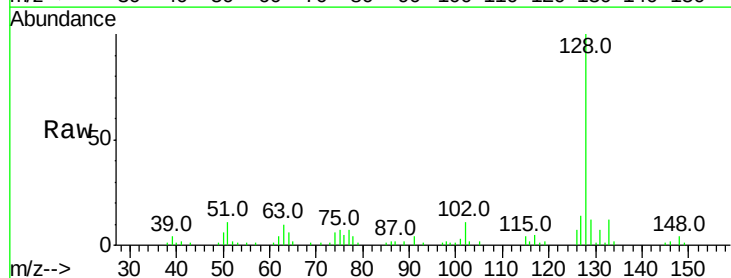
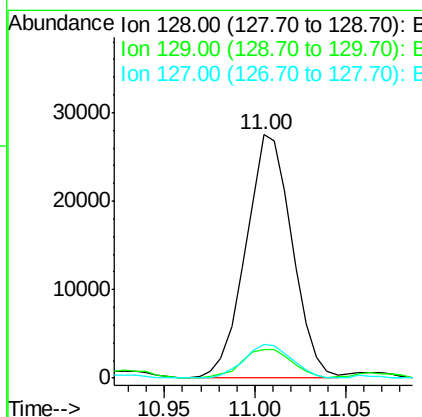
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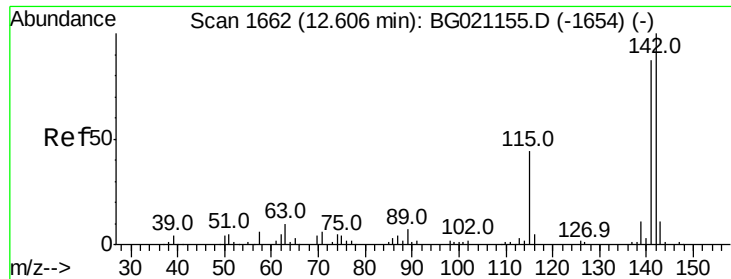
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#31
Naphthalene
Concen: 14.93 ng
RT: 11.00 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	9.4	14.2	
127	13.9	10.8	16.2	





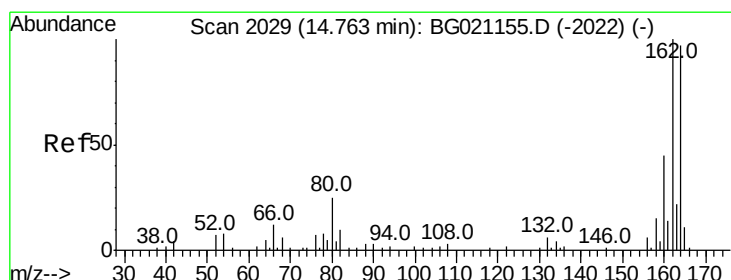
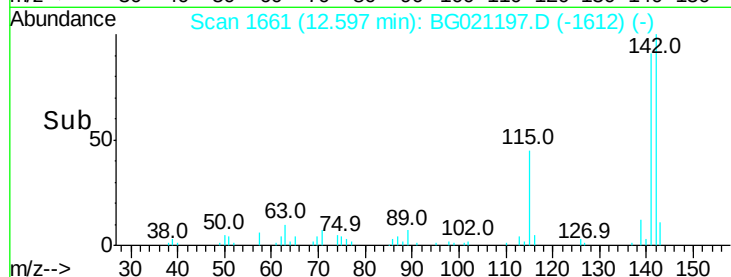
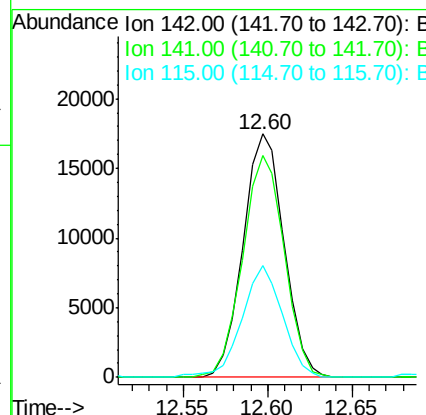
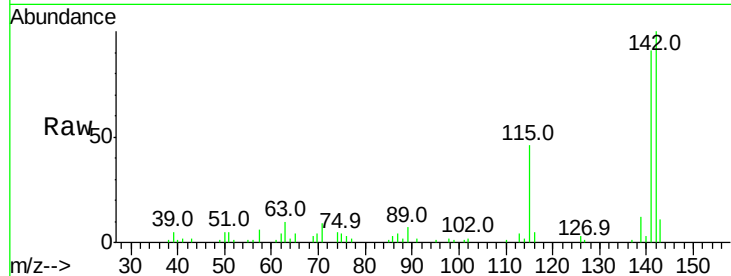
#37
2-Methylnaphthalene
Concen: 12.58 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.7	107.5
115	45.9	26.2	39.4

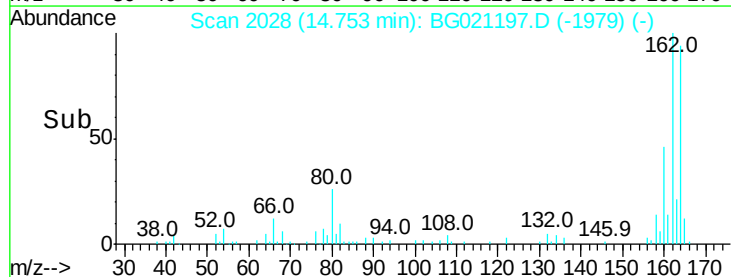
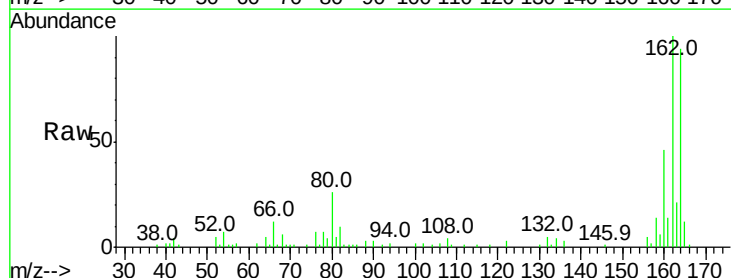
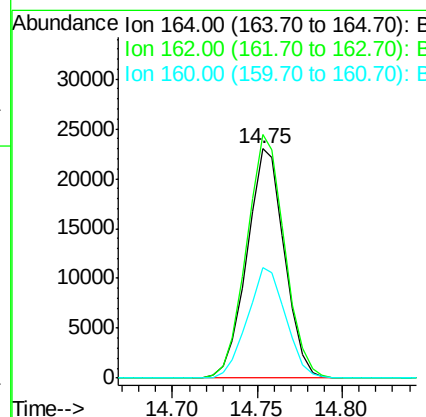
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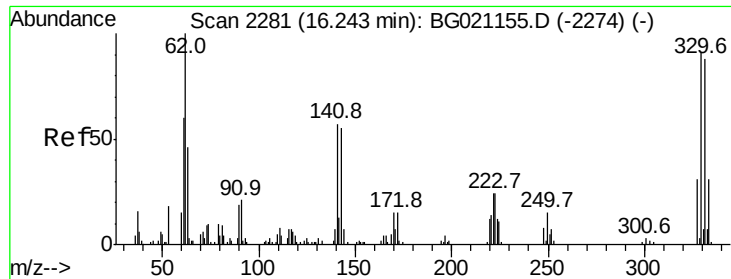
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	80.6	120.8
160	48.5	36.5	54.7





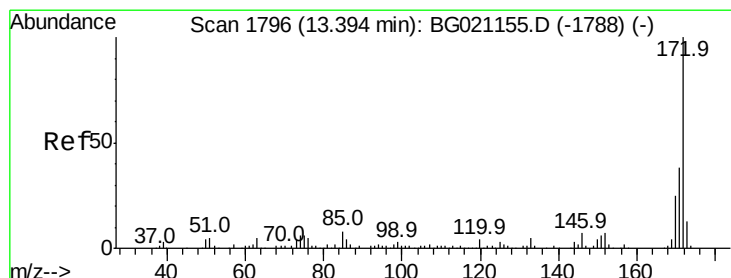
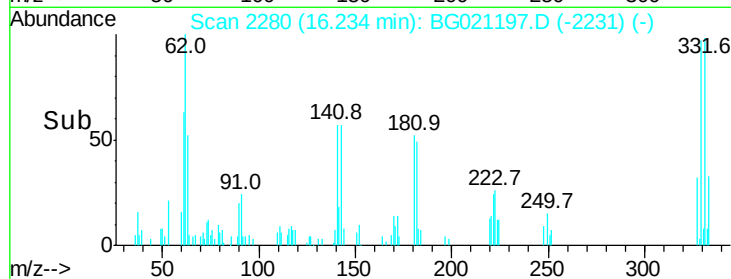
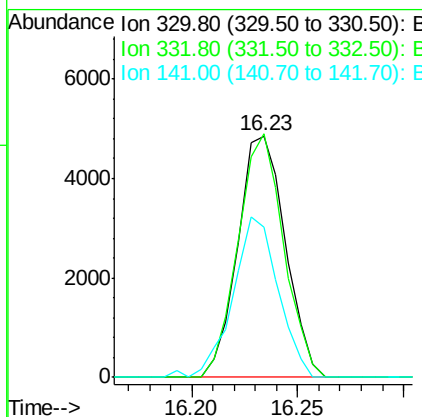
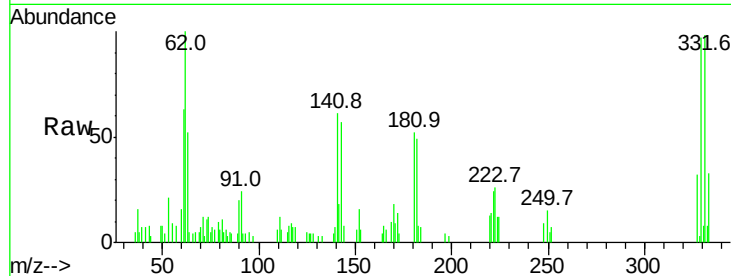
#41
 2,4,6-Tribromophenol
 Concen: 20.54 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Instrument :
 BNA_G
 ClientSampleId :
 CEB-5(2.5-5)20160223

Tot Ion	Ratio	Resp	Lower	Upper
330	100	7567		
332	96.9		77.4	116.0
141	63.5		35.3	52.9#

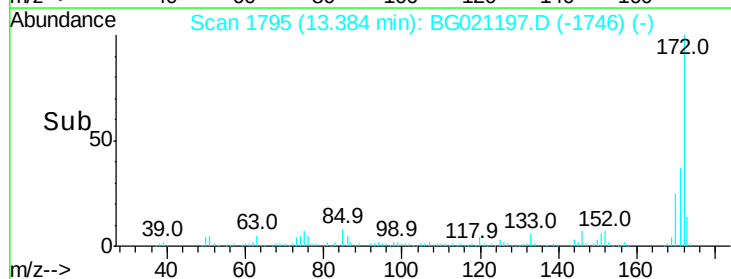
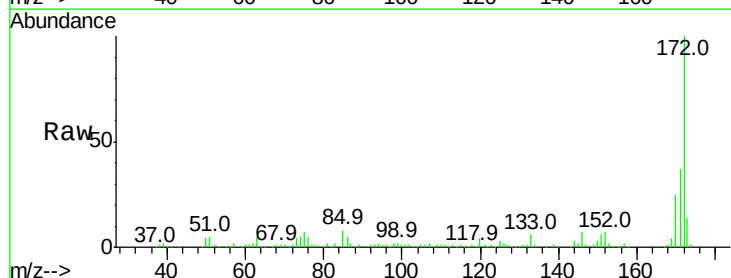
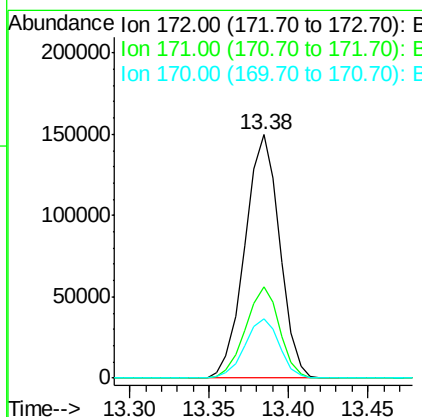
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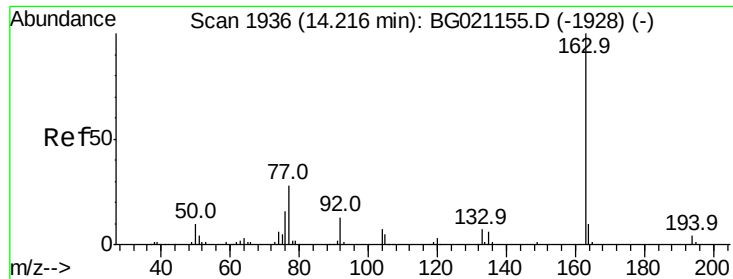
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#44
 2-Fluorobiphenyl
 Concen: 91.20 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	227410		
171	37.5		29.4	44.0
170	24.6		19.8	29.8





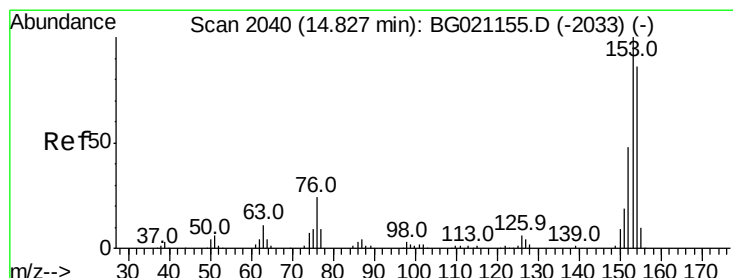
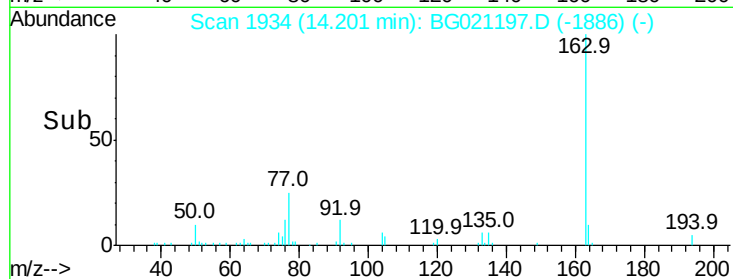
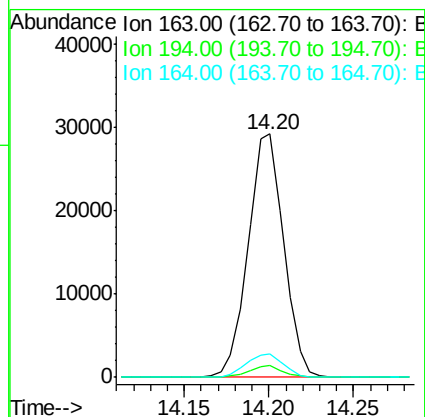
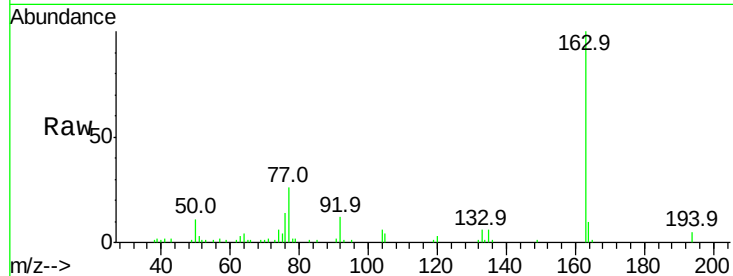
#49
Dimethylphthalate
Concen: 13.56 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.02 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Resp	Lower	Upper
163	100	42790		
194	4.6		2.8	4.2#
164	9.6		7.9	11.9

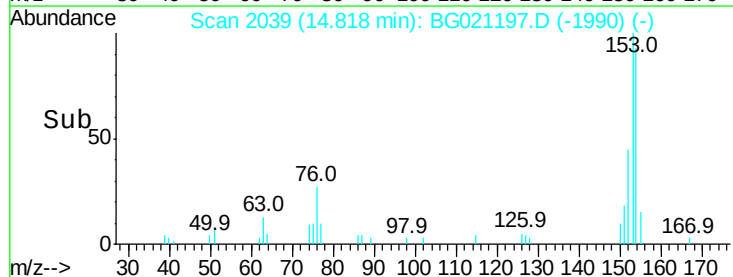
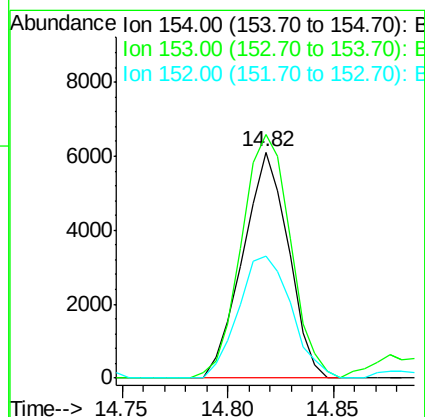
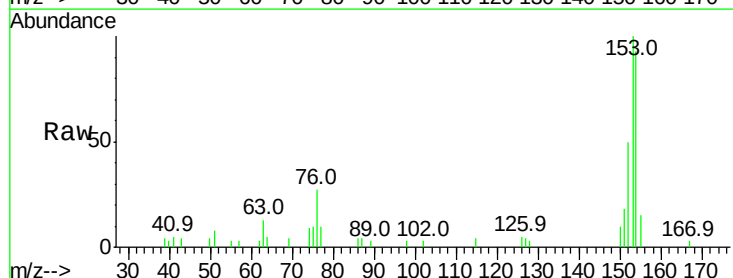
Manual Integrations
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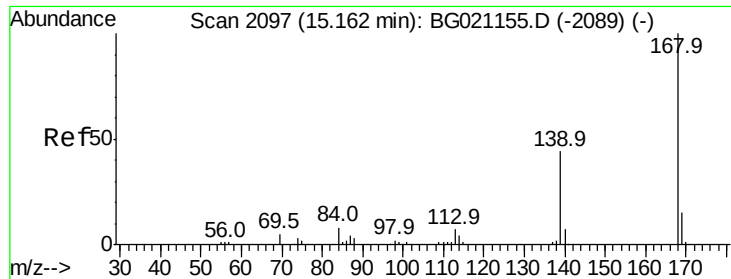
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#51
Acenaphthene
Concen: 3.89 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	9136		
153	107.6		94.2	141.2
152	53.7		42.9	64.3





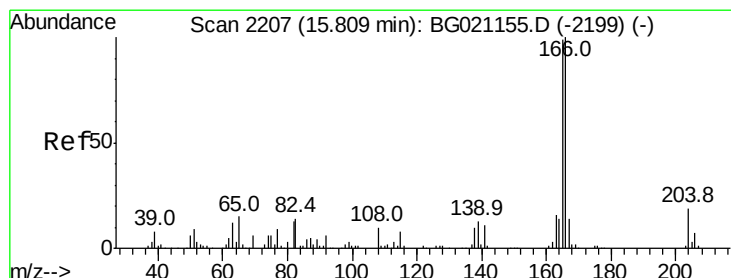
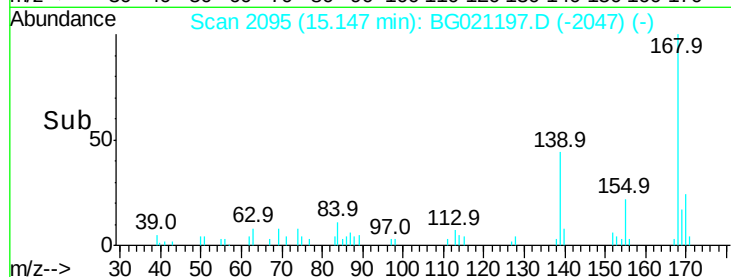
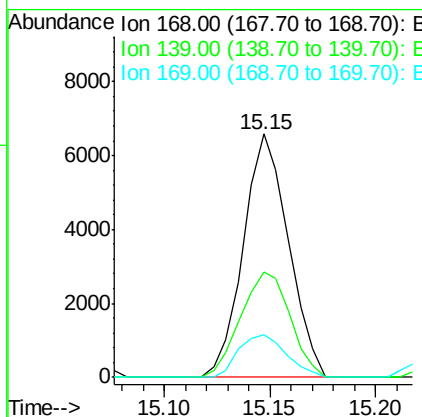
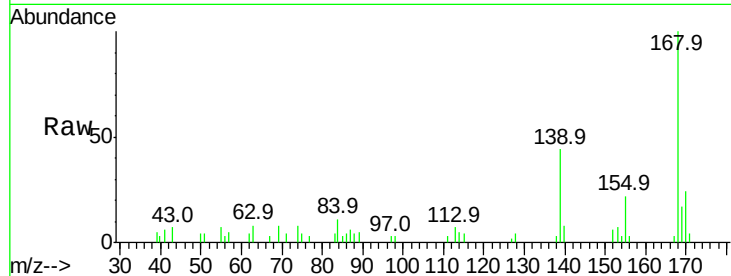
#54
Dibenzenofuran
Concen: 3.11 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.02 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.5	29.8	44.8
169	17.3	11.4	17.2

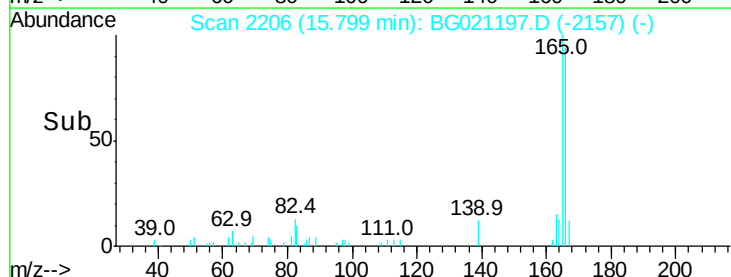
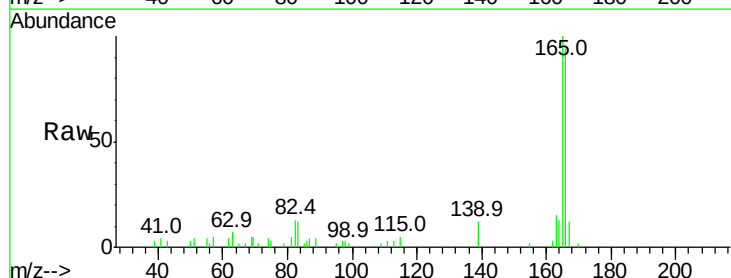
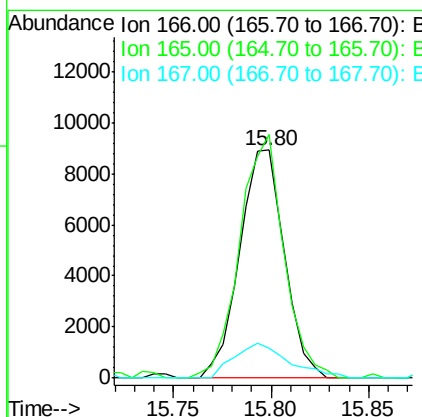
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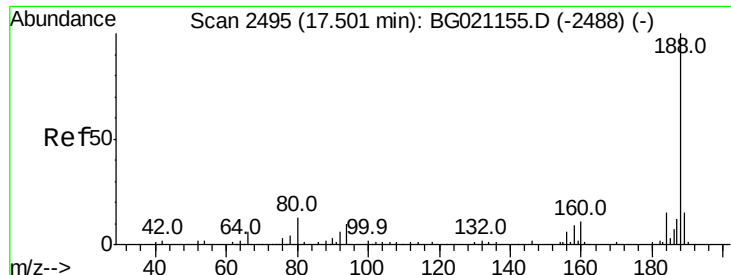
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#57
Fluorene
Concen: 4.75 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.9	81.3	121.9
167	13.0	10.6	16.0





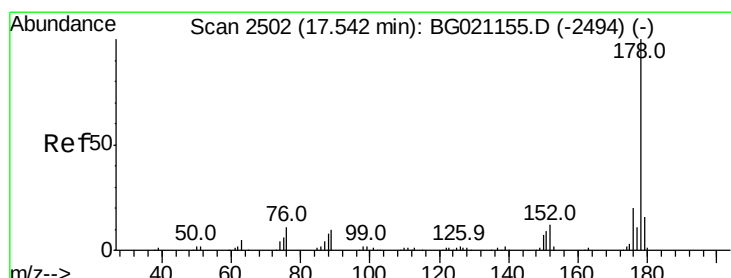
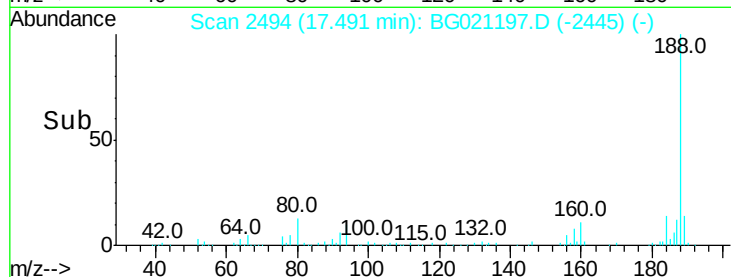
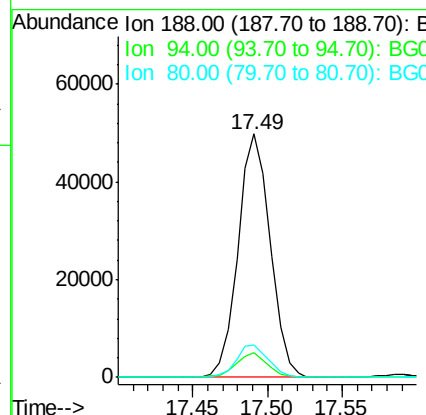
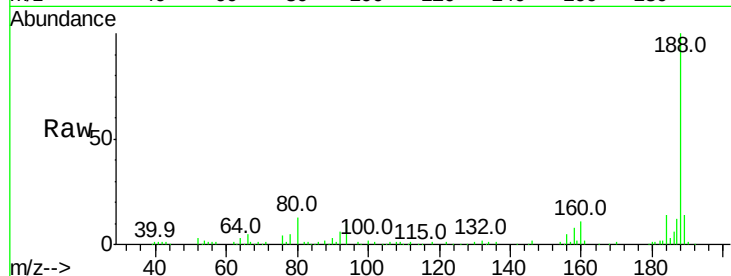
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.2	12.4
80	13.3	9.2	13.8

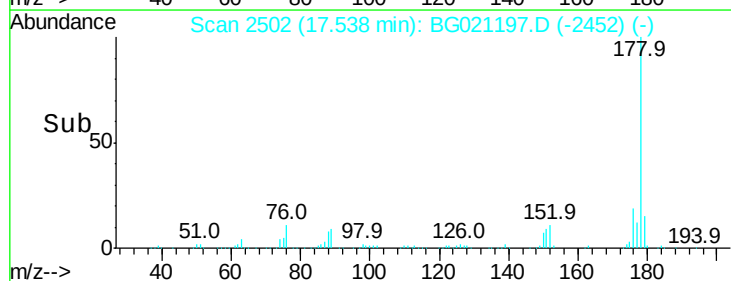
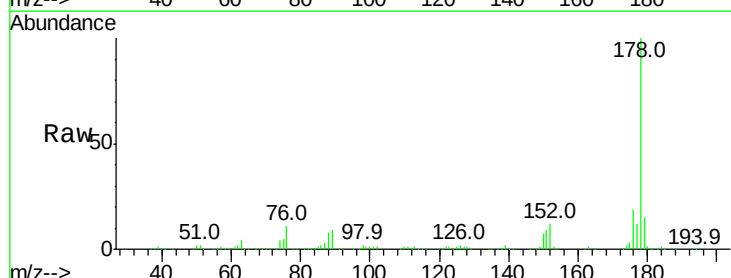
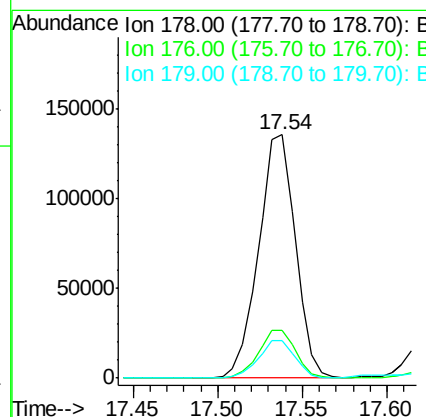
Manual Integrations
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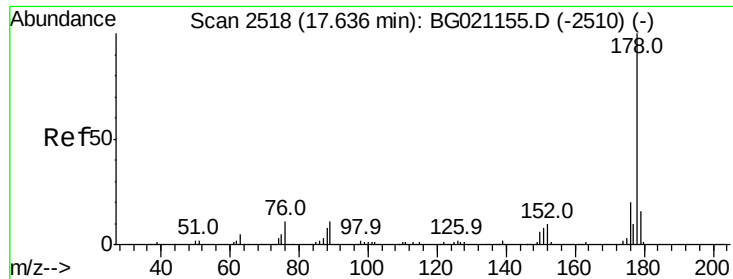
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#70
Phenanthrene
Concen: 51.04 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.3	12.9	19.3





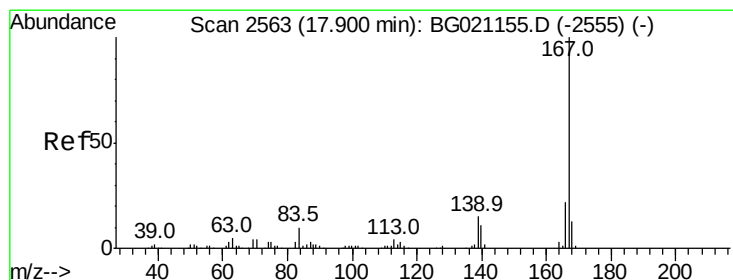
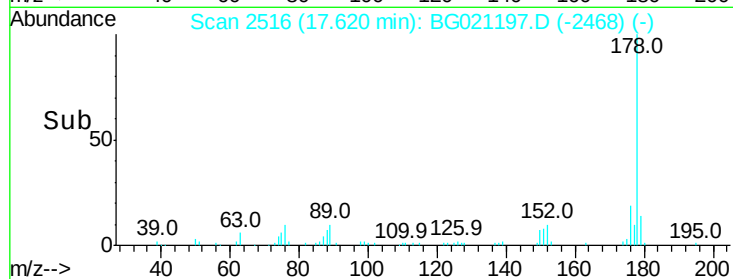
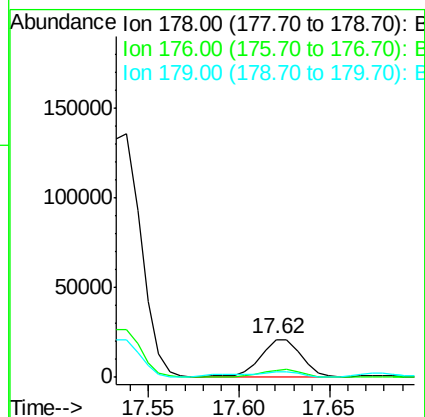
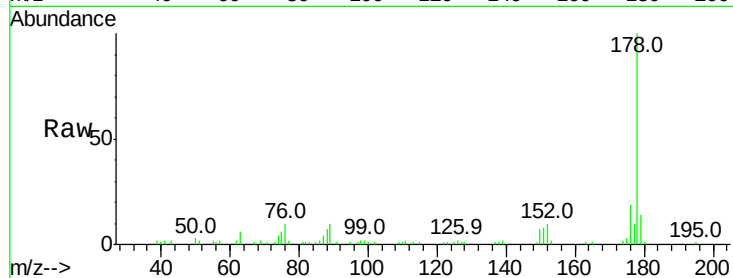
#71
 Anthracene
 Concen: 7.89 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Instrument :
 BNA_G
 ClientSampleId :
 CEB-5(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	13.6	12.6	19.0

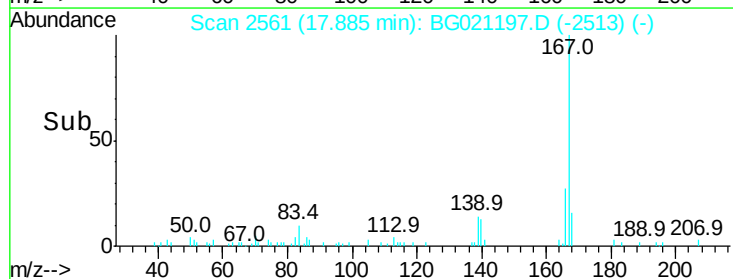
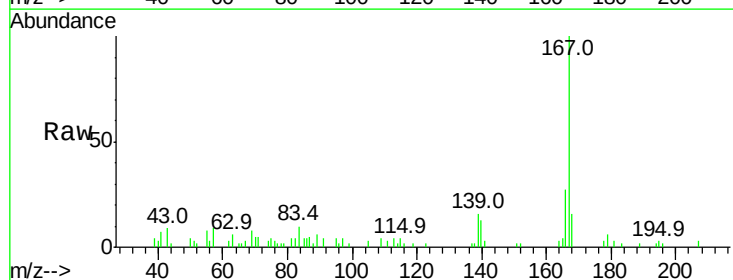
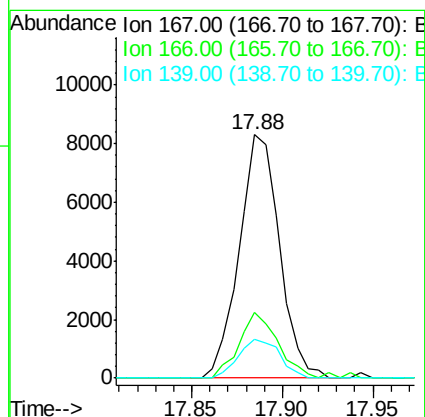
Manual Integrations
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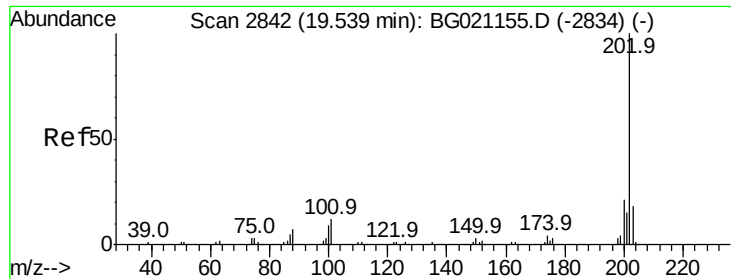
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#72
 Carbazole
 Concen: 3.52 ng
 RT: 17.88 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.8	17.5	26.3#
139	16.0	10.3	15.5#





#74

Fluoranthene

Concen: 50.94 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Instrument :

BNA_G

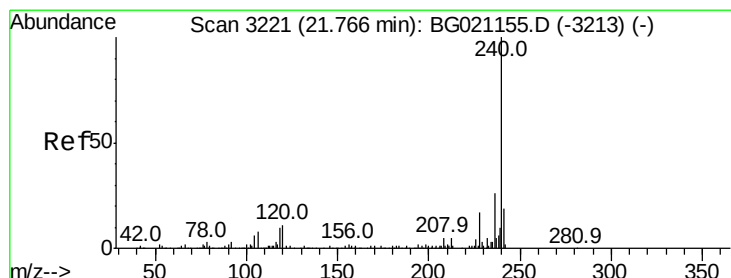
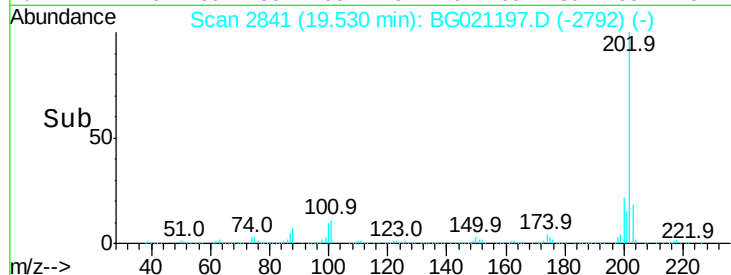
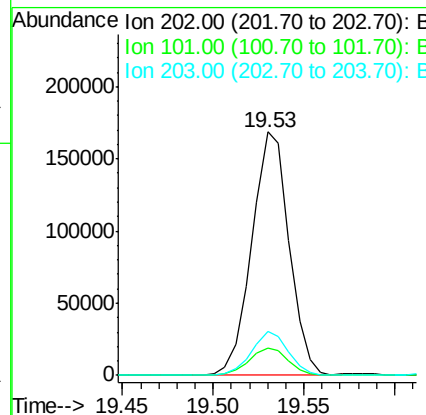
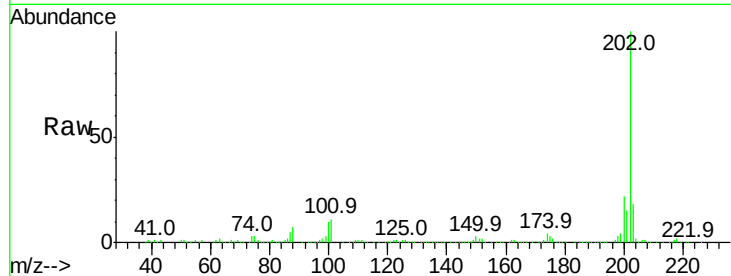
ClientSampleId :

CEB-5(2.5-5)20160223

Tot Ion:	202	Resp:	240758
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.5
203	18.1	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

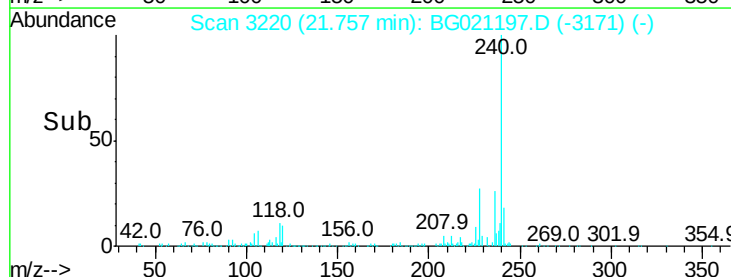
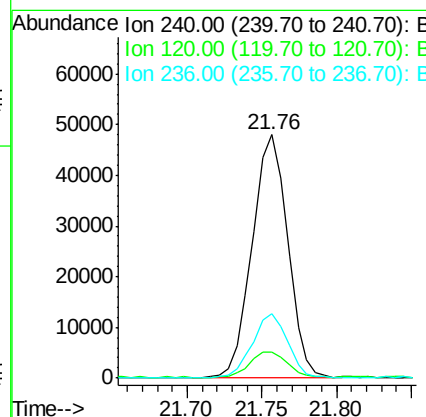
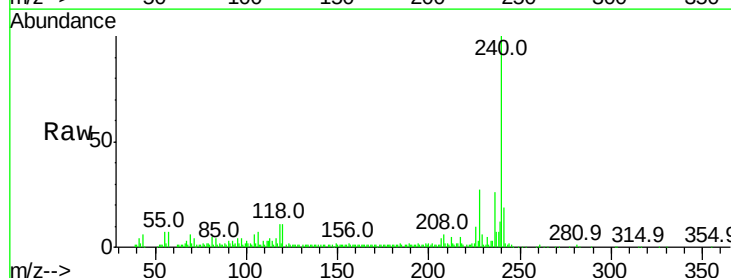
RT: 21.76 min Scan# 3220

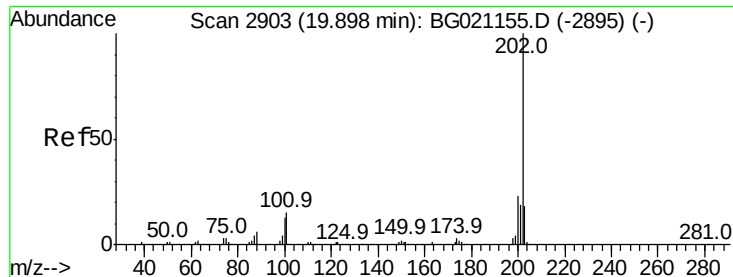
Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Tgt Ion:	240	Resp:	79361
Ion Ratio	Lower	Upper	
240	100		
120	10.6	7.5	11.3
236	26.4	20.5	30.7





#77

Pvrene

Concen: 51.44 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Instrument :

BNA_G

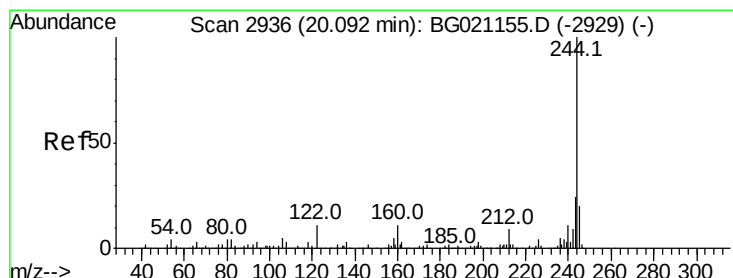
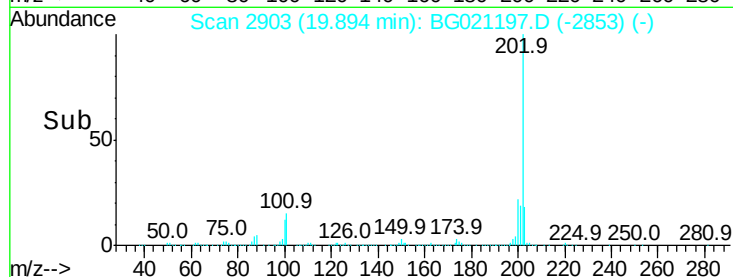
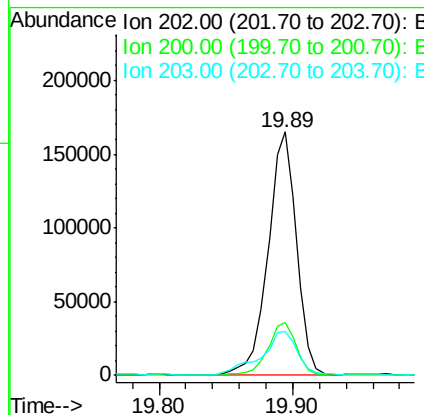
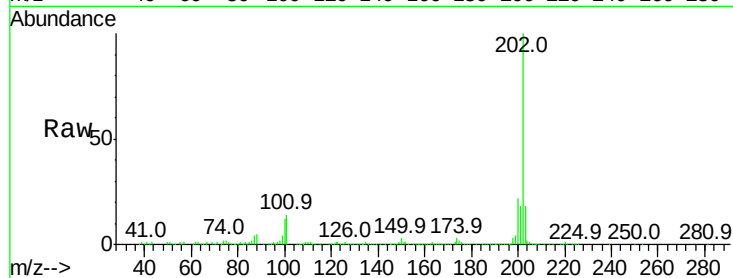
ClientSampleId :

CEB-5(2.5-5)20160223

Tot Ion:	202	Resp:	243526
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.6	25.0
203	17.9	13.8	20.8

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#78

Terphenyl-d14

Concen: 86.33 ng

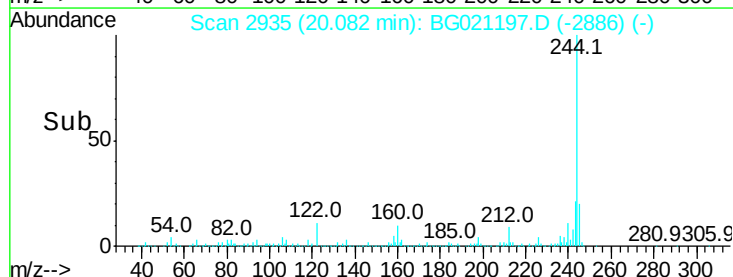
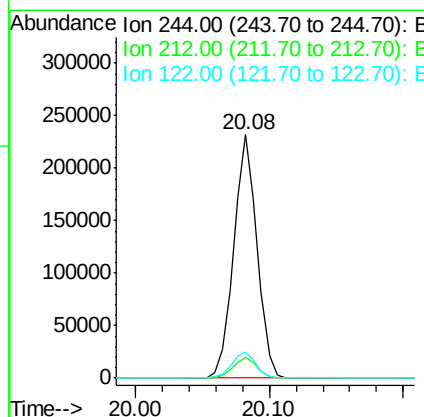
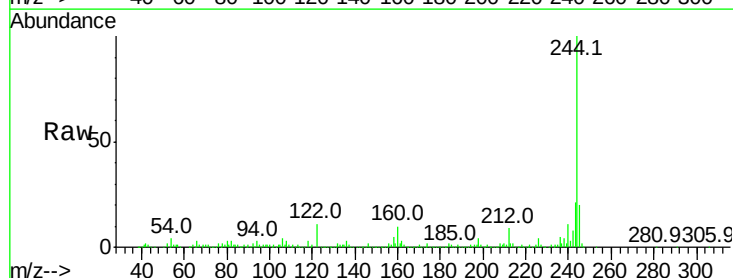
RT: 20.08 min Scan# 2935

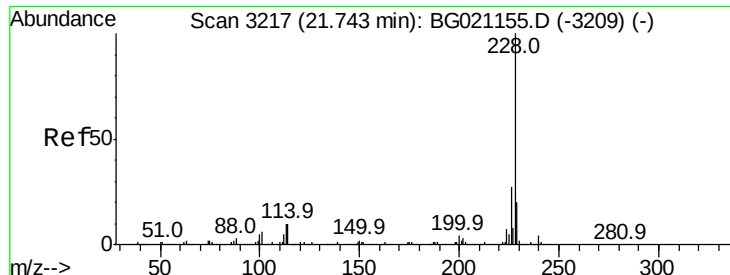
Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Tgt Ion:	244	Resp:	282797
Ion Ratio	Lower	Upper	
244	100		
212	8.5	5.8	8.6
122	10.8	8.3	12.5





#80

Benzo(a)anthracene

Concen: 23.81 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Instrument :

BNA_G

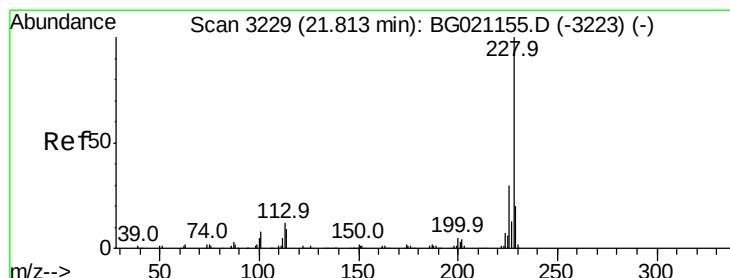
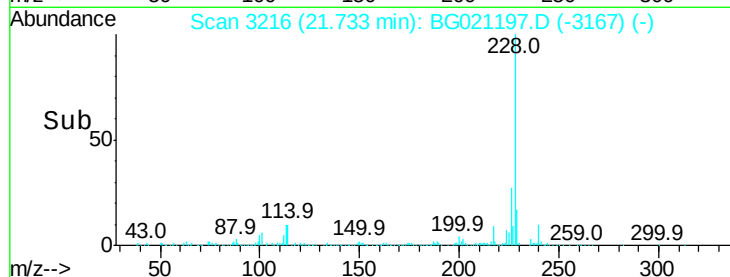
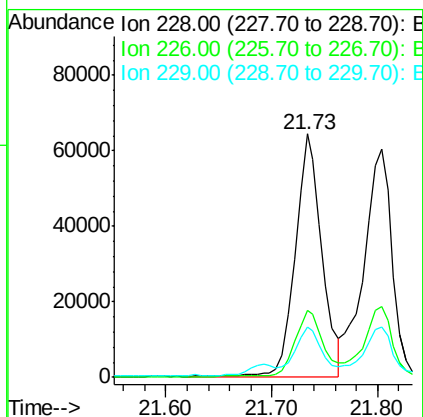
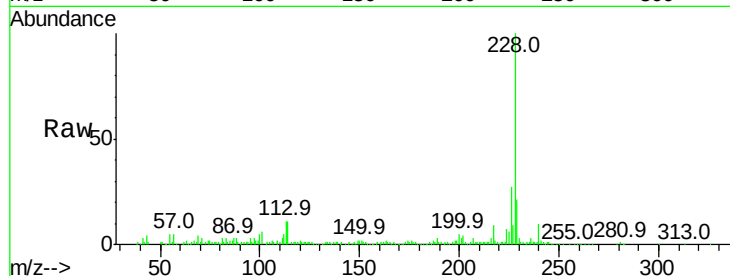
ClientSampleId :

CEB-5(2.5-5)20160223

Tot Ion:	228	Resp:	111890
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.7	34.1
229	20.6	15.5	23.3

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#82

Chrysene

Concen: 25.03 ng

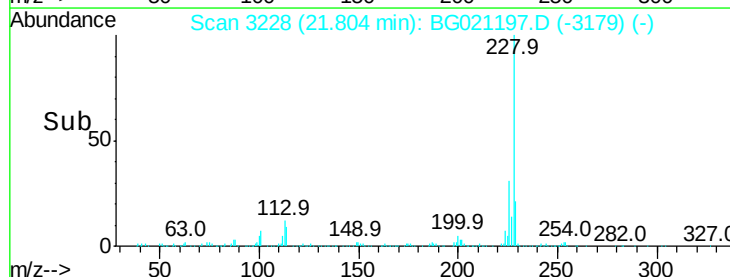
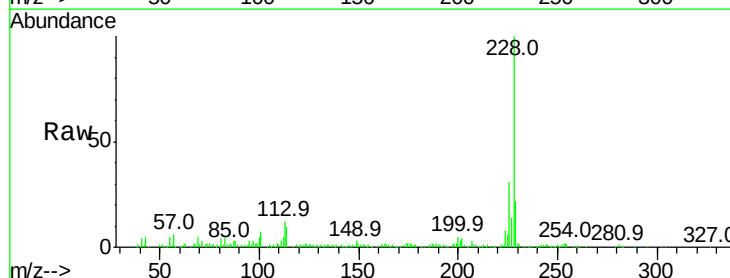
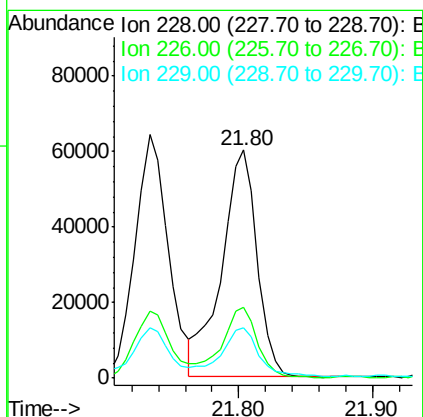
RT: 21.80 min Scan# 3228

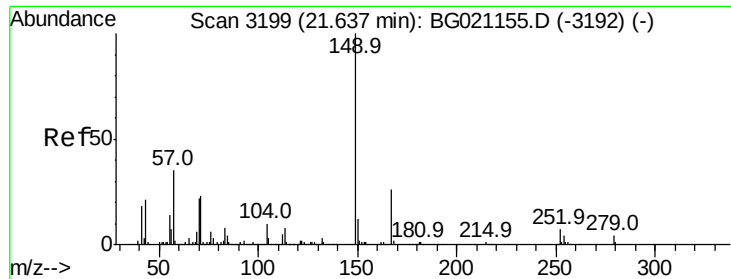
Delta R.T. -0.01 min

Lab File: BG021197.D

Acq: 1 Mar 2016 23:43

Tgt Ion:	228	Resp:	111440
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.7	35.5
229	21.9	16.7	25.1





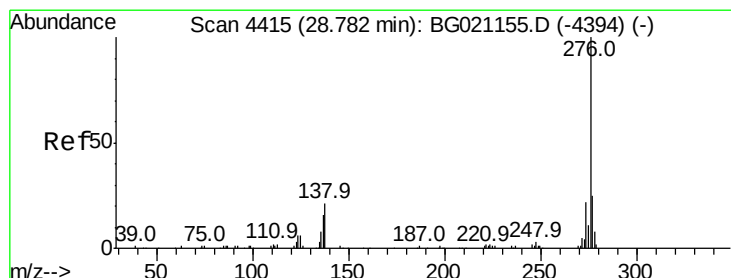
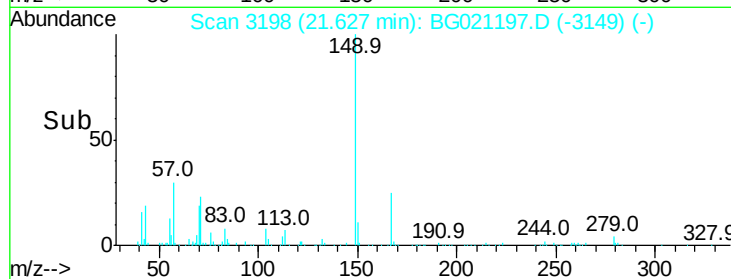
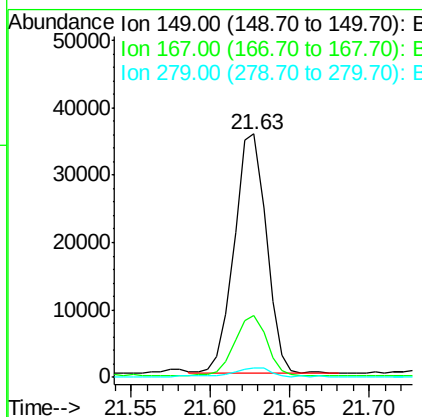
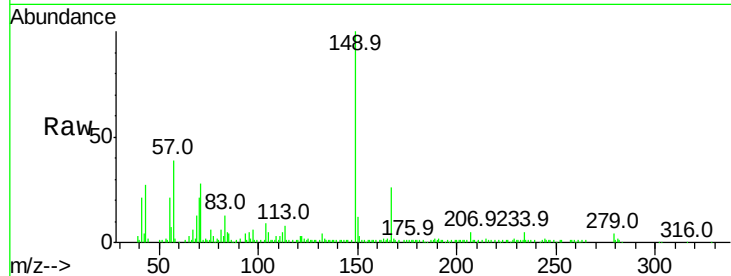
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 14.13 ng
 RT: 21.63 min Scan# 3198
 Delta R.T. -0.01 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Instrument :
 BNA_G
 ClientSampleId :
 CEB-5(2.5-5)20160223

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	25.6	18.9	28.3
279	4.0	3.0	4.6

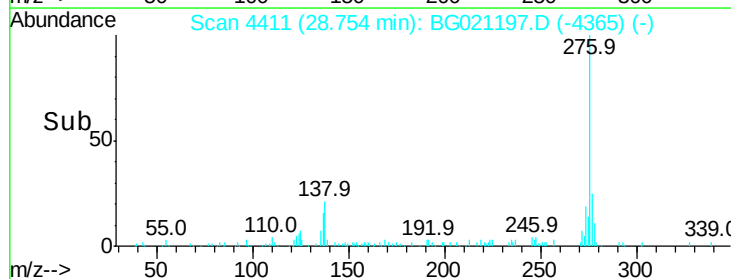
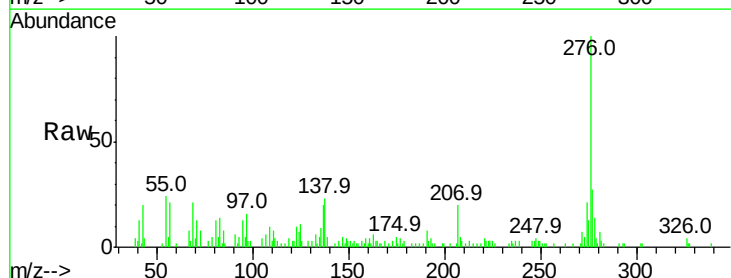
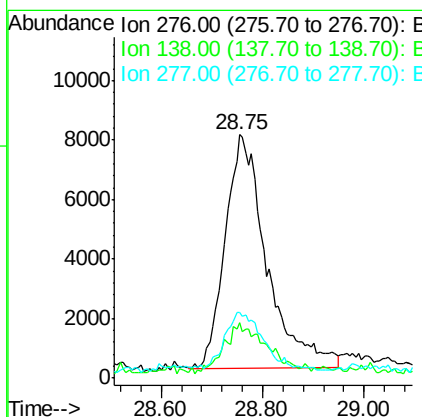
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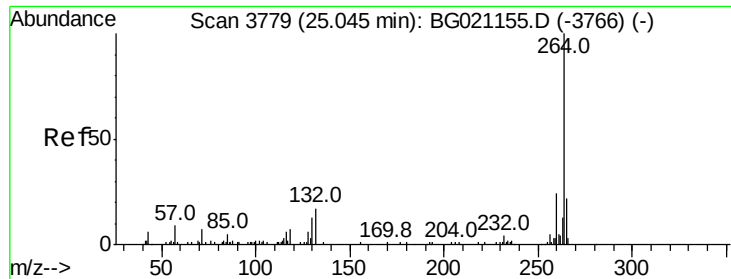
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.75 ng
 RT: 28.75 min Scan# 4411
 Delta R.T. -0.03 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.6	0.0	0.0#
277	20.5	0.0	0.0#





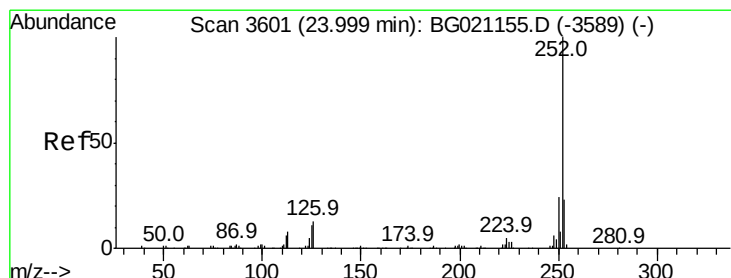
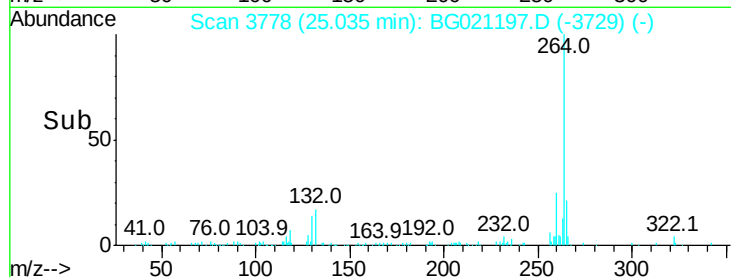
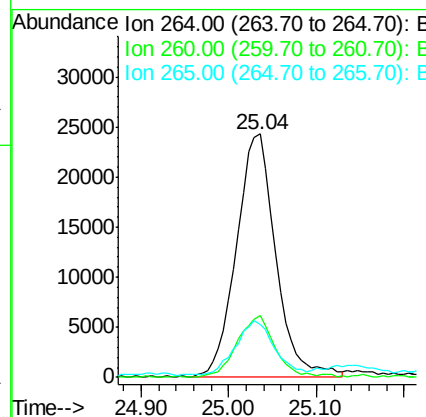
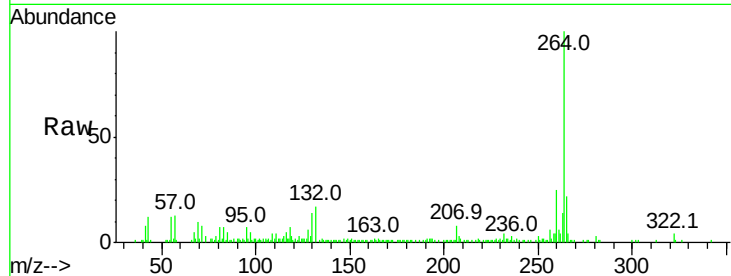
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3778
 Delta R.T. -0.01 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Instrument :
 BNA_G
 ClientSampleId :
 CEB-5(2.5-5)20160223

Tot Ion:	264	Resp:	74453
Ion Ratio	Lower	Upper	
264	100		
260	25.4	18.5	27.7
265	21.5	18.6	28.0

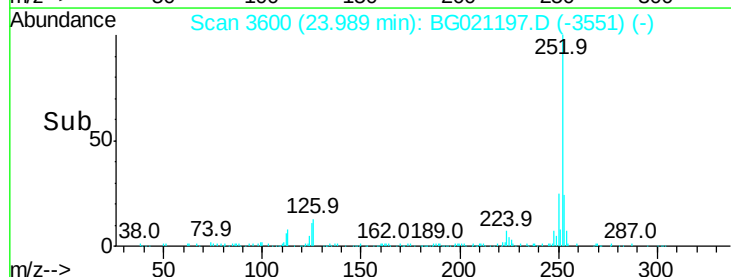
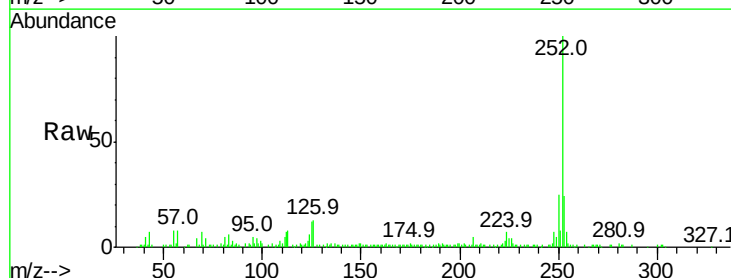
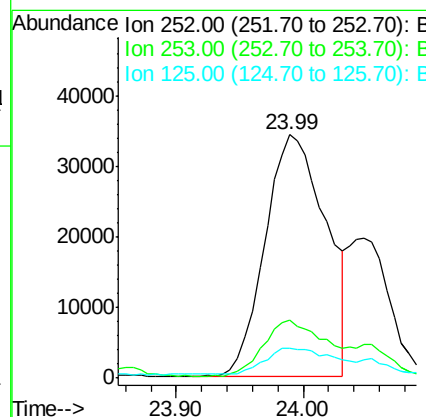
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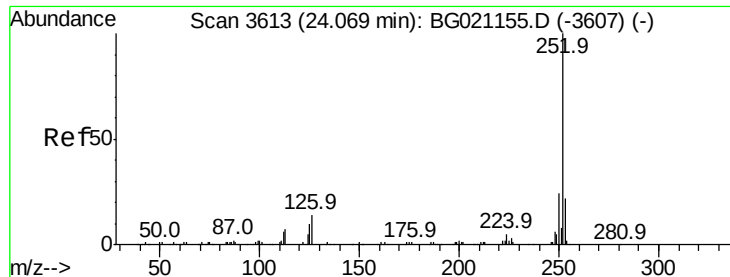
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#87
 Benzo(b)fluoranthene
 Concen: 24.43 ng
 RT: 23.99 min Scan# 3600
 Delta R.T. -0.01 min
 Lab File: BG021197.D
 Acq: 1 Mar 2016 23:43

Tgt Ion:	252	Resp:	114417
Ion Ratio	Lower	Upper	
252	100		
253	24.0	16.8	25.2
125	12.3	8.2	12.2#





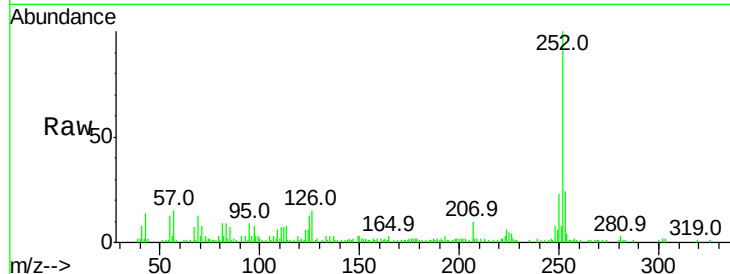
#88
Benzo(k)fluoranthene
Concen: 9.87 ng m
RT: 24.05 min Scan# 3610
Delta R.T. -0.02 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

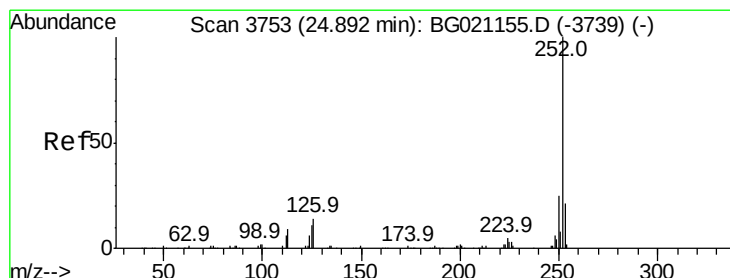
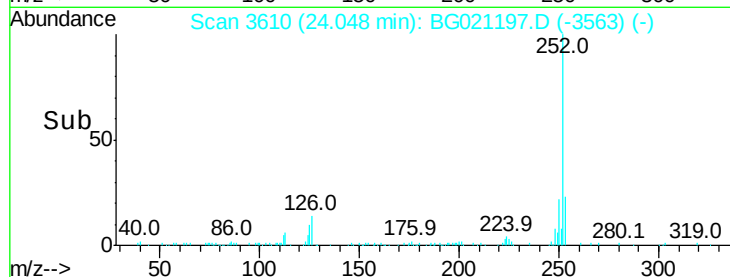
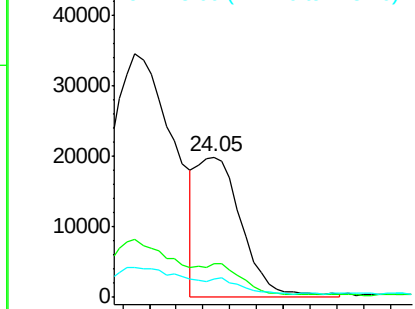
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.4	24.6
125	12.8	8.2	12.2

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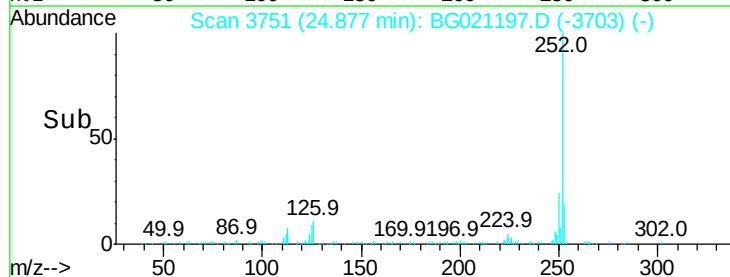
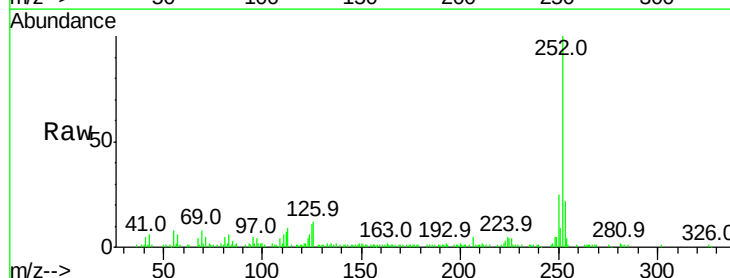
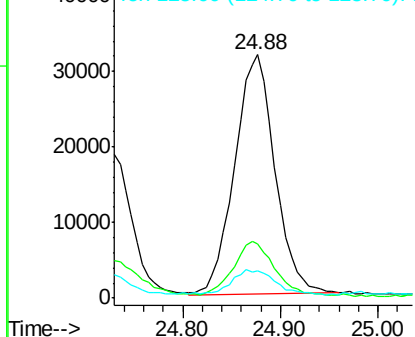
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

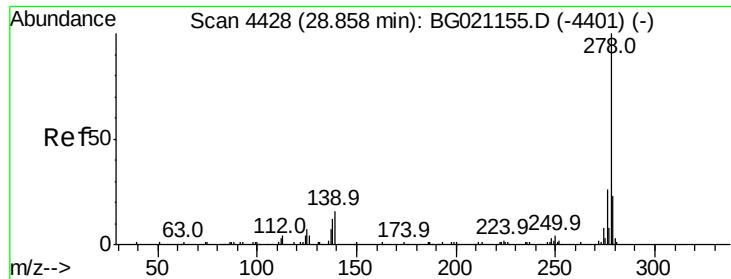


#89
Benzo(a)pyrene
Concen: 20.10 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.02 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	15.8	23.8
125	11.1	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





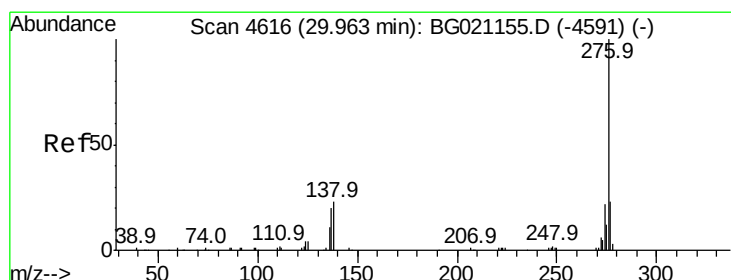
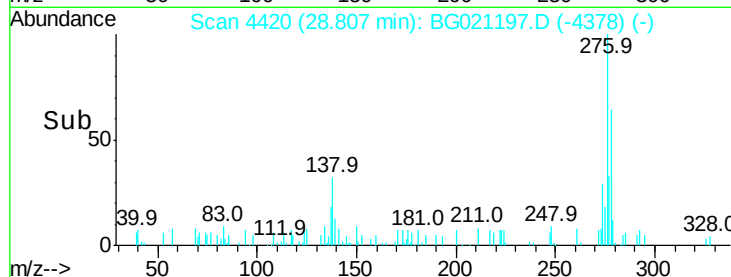
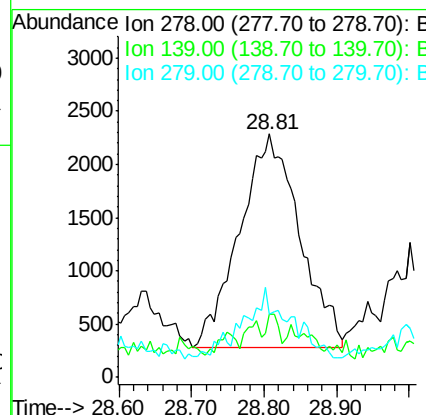
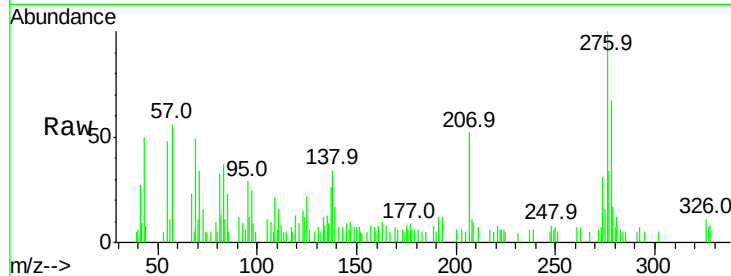
#90
Dibenzo(a,h)anthracene
Concen: 2.60 ng
RT: 28.81 min Scan# 4420
Delta R.T. -0.05 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.9	10.6	15.8#
279	26.1	19.7	29.5

Manual Integrations
APPROVED

Sohil
3/2/2016 9:52:08 AM



#91
Benzo(g,h,i)perylene
Concen: 9.25 ng
RT: 29.94 min Scan# 4612
Delta R.T. -0.03 min
Lab File: BG021197.D
Acq: 1 Mar 2016 23:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	16.6	25.0
138	26.2	14.6	21.8#

