

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021215.D
 Acq On : 2 Mar 2016 16:23
 Operator : UM/SJ
 Sample : H1565-08RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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 3/3/2016 8:23:09 AM

Quant Time: Mar 03 00:29:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 11:46:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	11061	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	57849	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	35830	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	76581	20.00	ng	0.00
75) Chrysene-d12	21.77	240	83611	20.00	ng	0.00
86) Perylene-d12	25.05	264	78671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	20206	29.04	ng	0.00
7) Phenol-d6	7.30	99	126350	110.44	ng	0.00
23) Nitrobenzene-d5	9.31	82	130300	95.31	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	7802	20.93	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	226559	89.79	ng	0.00
78) Terphenyl-d14	20.09	244	295324	85.57	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	44659	14.81	ng	97
37) 2-Methylnaphthalene	12.59	142	28127	13.10	ng	# 94
49) Dimethylphthalate	14.20	163	42230	13.23	ng	# 98
51) Acenaphthene	14.82	154	9200	3.87	ng	# 91
54) Dibenzofuran	15.15	168	9835	3.10	ng	# 83
57) Fluorene	15.80	166	14779	4.89	ng	95
70) Phenanthrene	17.54	178	211493	51.17	ng	98
71) Anthracene	17.63	178	31839m	7.53	ng	
72) Carbazole	17.89	167	13516	3.60	ng	97
74) Fluoranthene	19.54	202	247895	51.06	ng	97
77) Pyrene	19.90	202	249683	50.06	ng	97
80) Benzo(a)anthracene	21.74	228	115209	23.27	ng	99
82) Chrysene	21.81	228	113440	24.18	ng	96
83) Bis(2-ethylhexyl)phthalate	21.64	149	52085m	13.96	ng	
85) Indeno(1,2,3-cd)pyrene	28.79	276	56174	10.44	ng	# 93
87) Benzo(b)fluoranthene	24.01	252	125296	25.32	ng	95
88) Benzo(k)fluoranthene	24.07	252	36085m	7.28	ng	
89) Benzo(a)pyrene	24.89	252	99674	20.83	ng	95
90) Dibenzo(a,h)anthracene	28.84	278	14356	3.03	ng	# 90
91) Benzo(a,h,i)perylene	29.96	276	56445	12.34	ng	# 92

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

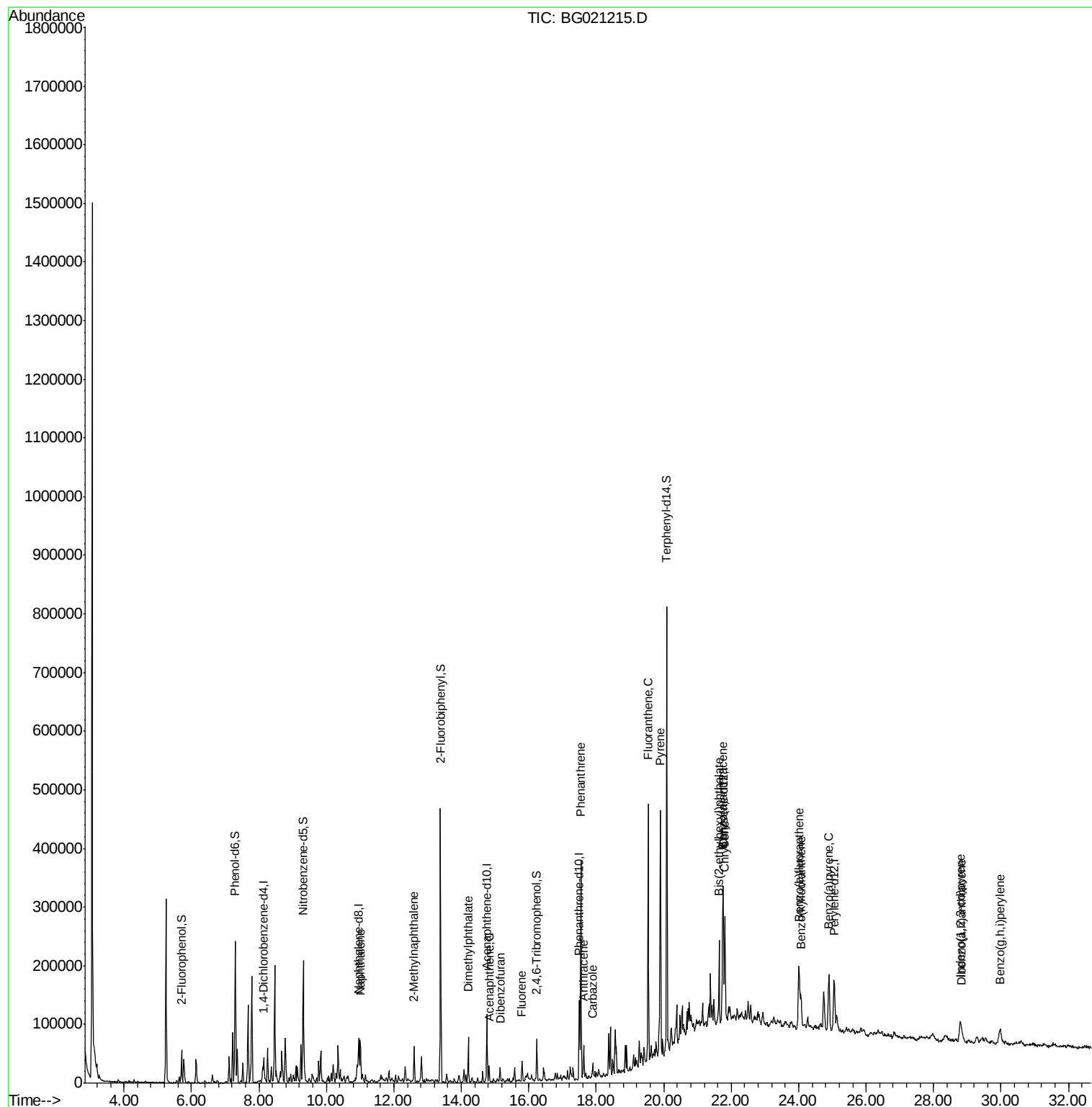
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
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ALS Vial : 7 Sample Multiplier: 1

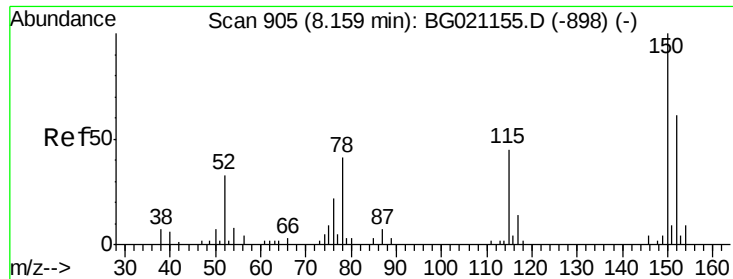
Instrument :
BNA_G
ClientSampleId :
CEB-5(2.5-5)20160223RE

Manual Integrations
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Quant Time: Mar 03 00:29:53 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 11:46:16 2016
Response via : Initial Calibration





#1

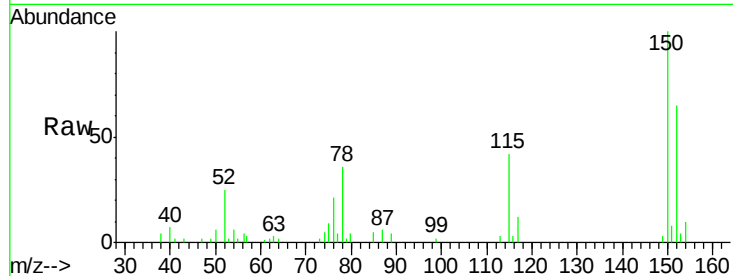
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.02 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

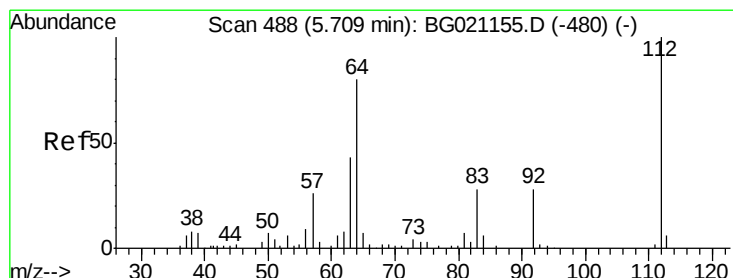
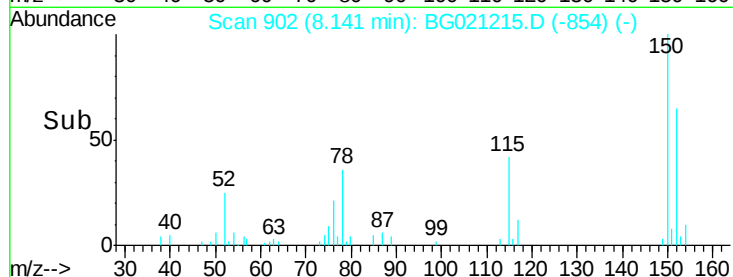
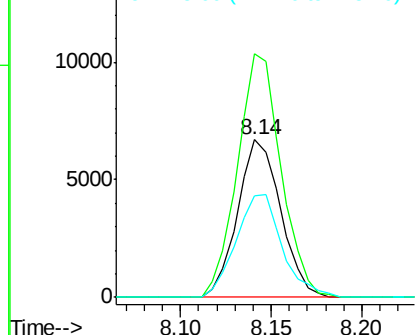
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.4	185.2
115	64.4	43.3	64.9

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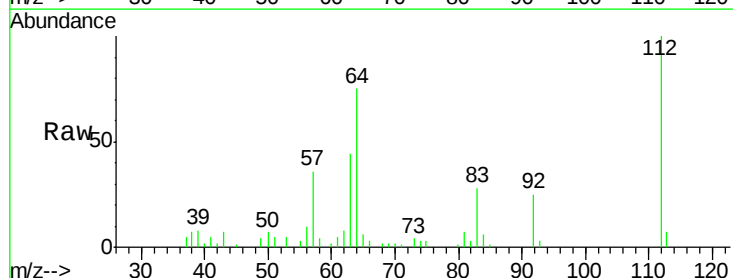
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



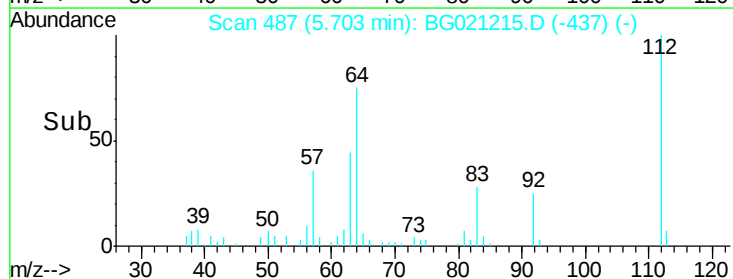
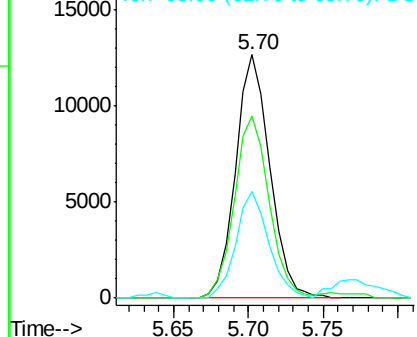
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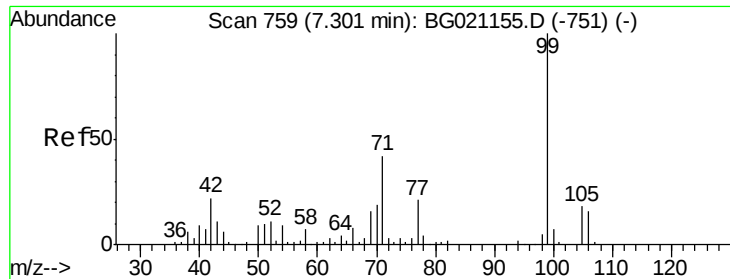
2-Fluorophenol
Concen: 29.04 ng
RT: 5.70 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.0	42.6	63.8#
63	44.0	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: 110.44 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Instrument :

BNA_G

ClientSampleId :

CEB-5(2.5-5)20160223RE

Tot Ion: 99 Resp: 126350

Ion Ratio Lower Upper

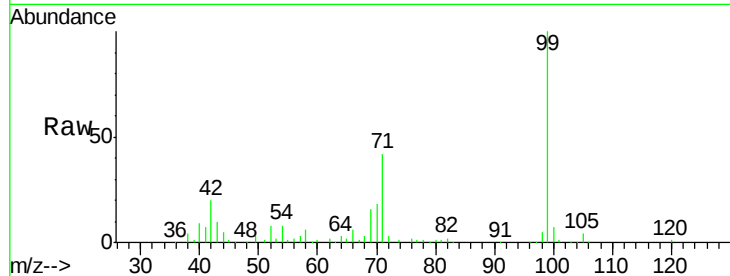
99 100

42 19.9 13.2 19.8#

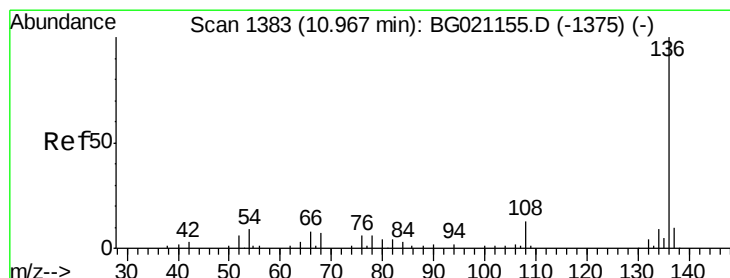
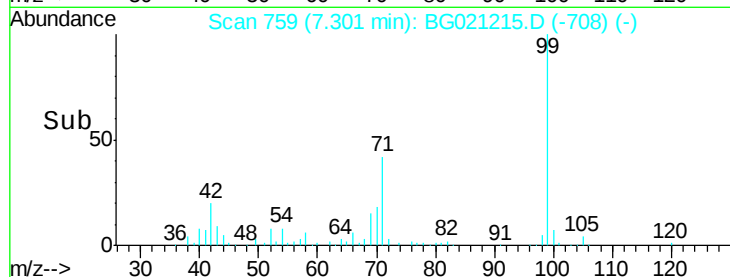
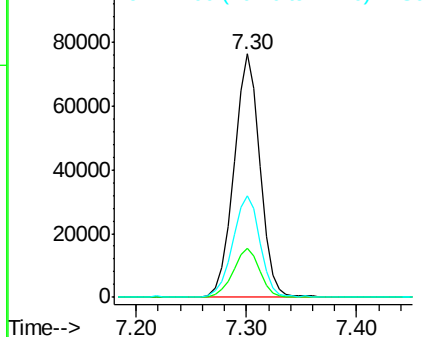
71 41.8 25.2 37.8#

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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# 1381

Delta R.T. -0.01 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Tgt Ion: 136 Resp: 57849

Ion Ratio Lower Upper

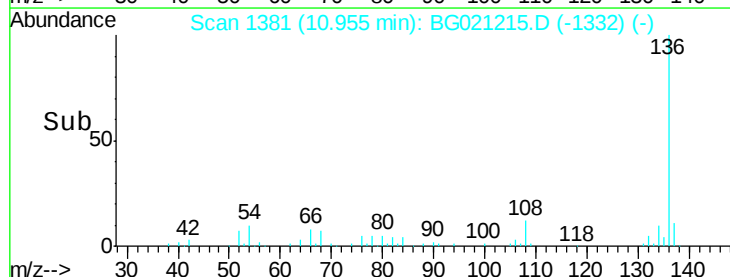
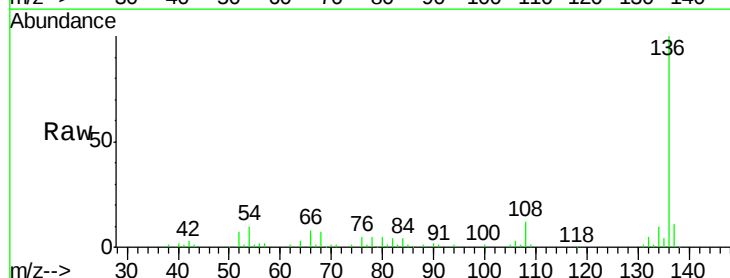
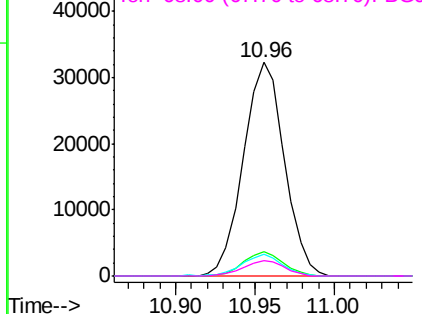
136 100

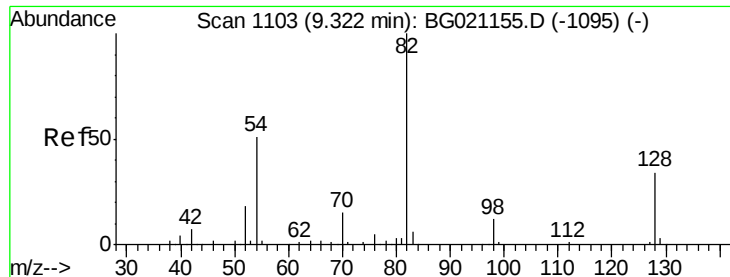
137 11.3 8.8 13.2

54 10.1 6.9 10.3

68 7.1 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





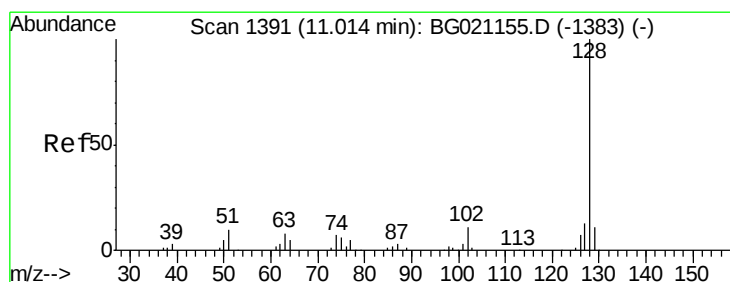
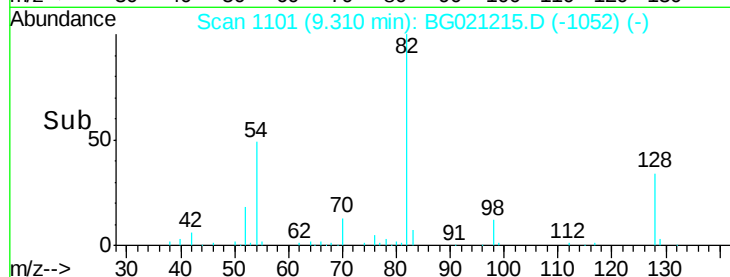
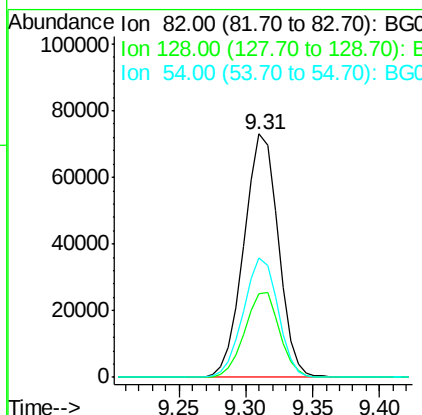
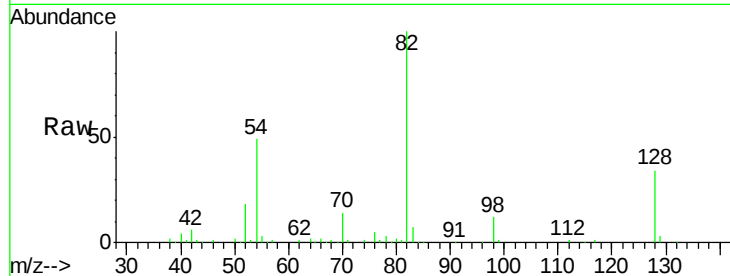
#23
Nitrobenzene-d5
Concen: 95.31 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.1	36.3	54.5#	
54	48.9	37.6	56.4	

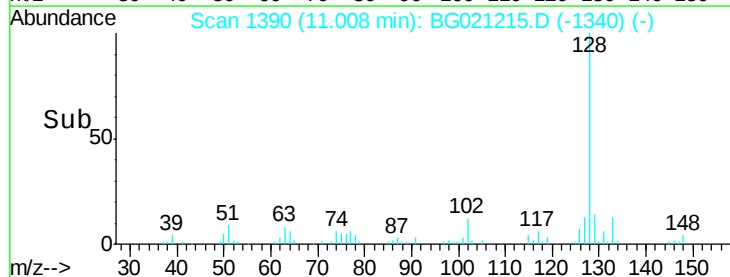
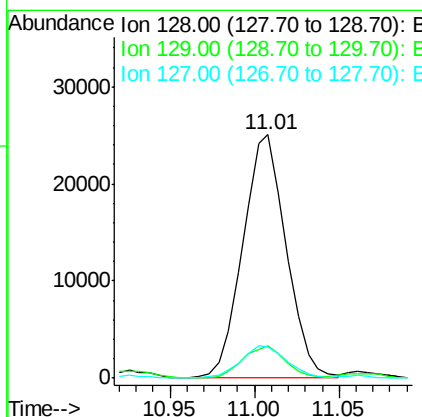
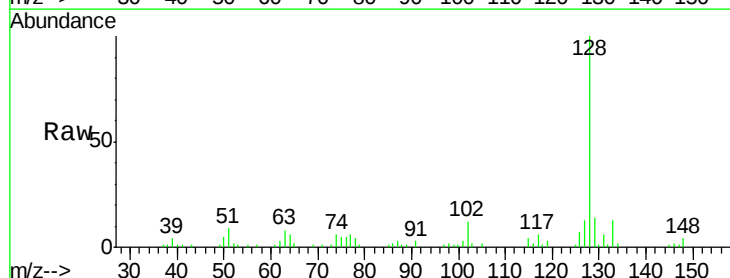
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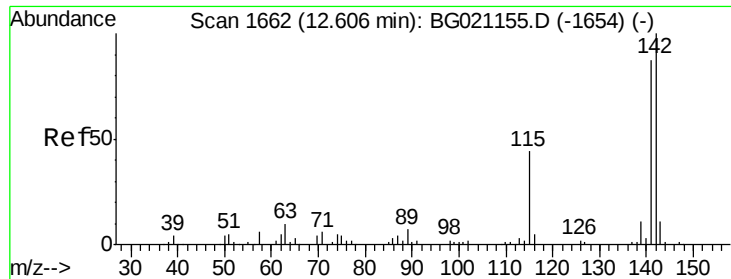
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#31
Naphthalene
Concen: 14.81 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	13.6	9.4	14.2	
127	12.9	10.8	16.2	





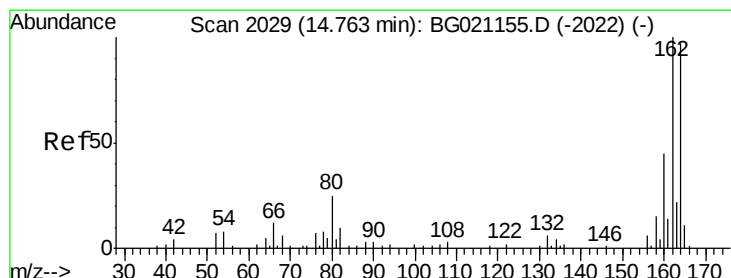
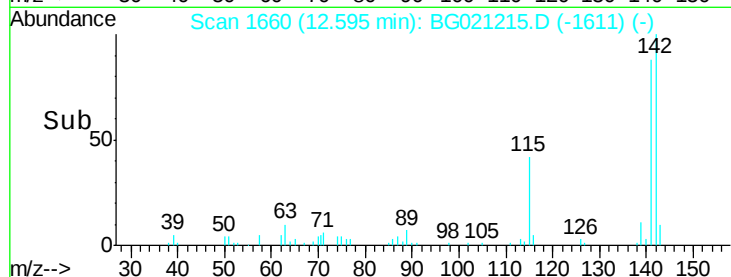
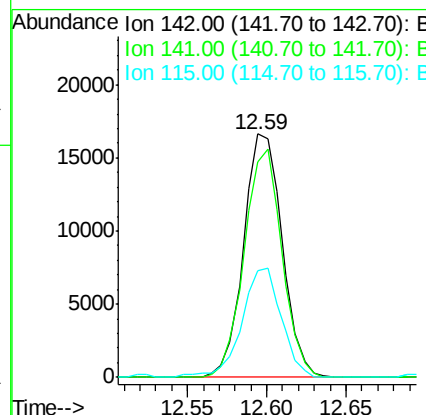
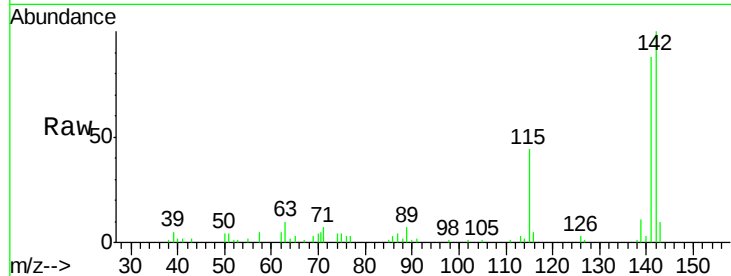
#37
2-Methylnaphthalene
Concen: 13.10 ng
RT: 12.59 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	43.6	26.2	39.4

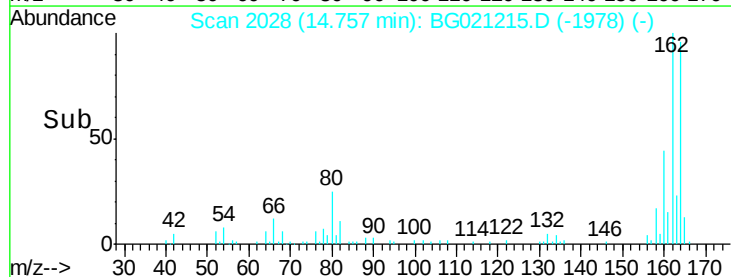
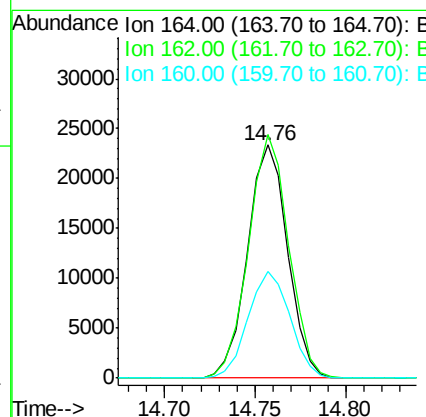
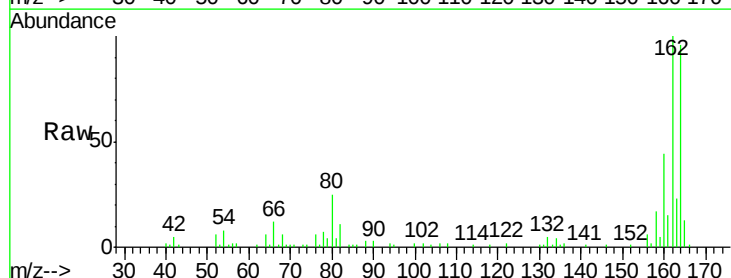
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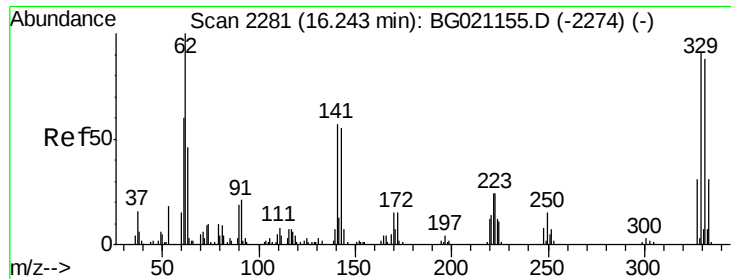
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.6	120.8
160	45.9	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 20.93 ng

RT: 16.24 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Instrument :

BNA_G

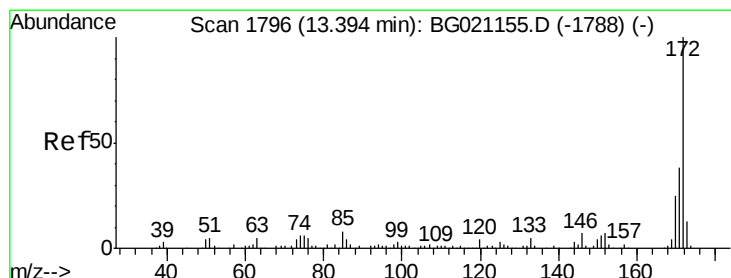
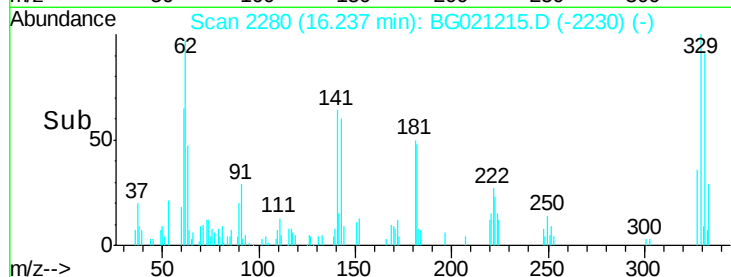
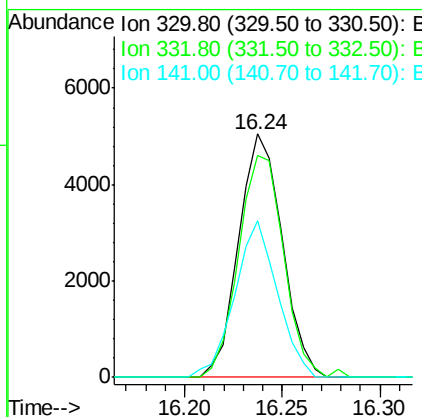
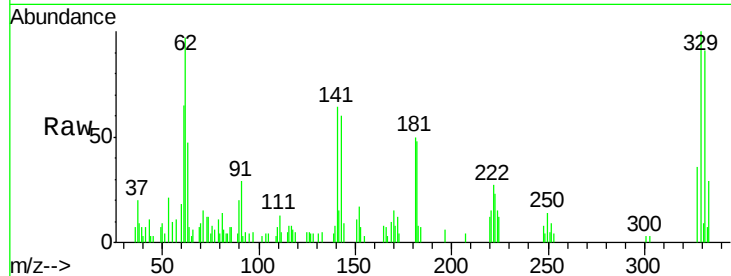
ClientSampleId :

CEB-5(2.5-5)20160223RE

Tot Ion:	330	Resp:	7802
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.4	116.0
141	62.9	35.3	52.9#

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 89.79 ng

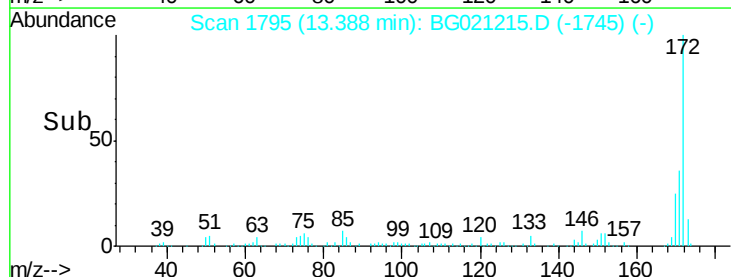
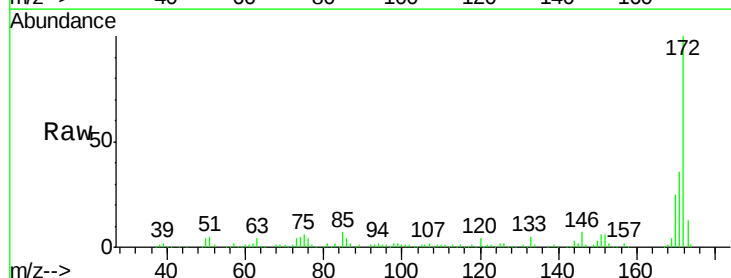
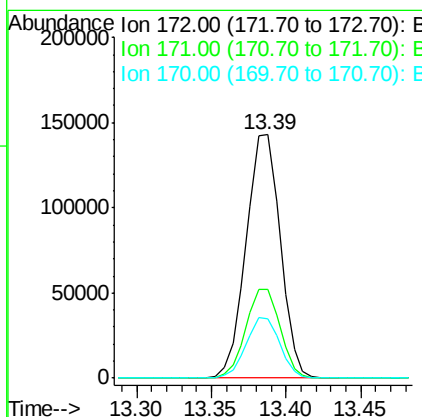
RT: 13.39 min Scan# 1795

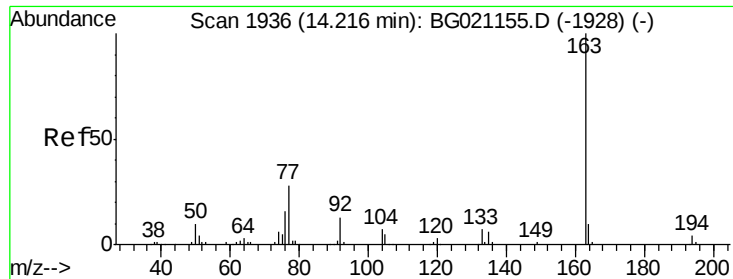
Delta R.T. -0.01 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Tgt Ion:	172	Resp:	226559
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.4	44.0
170	24.5	19.8	29.8





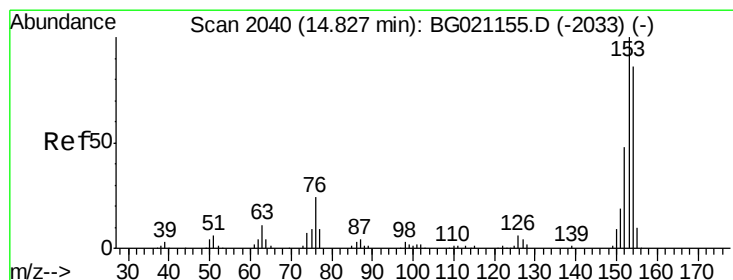
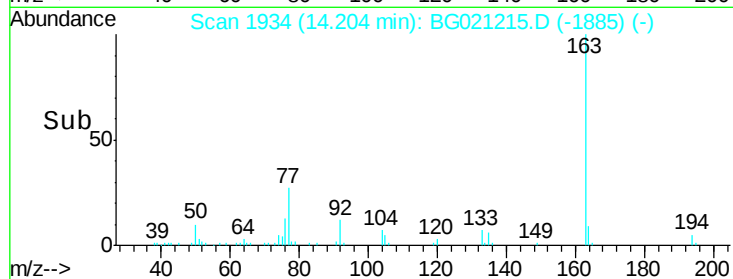
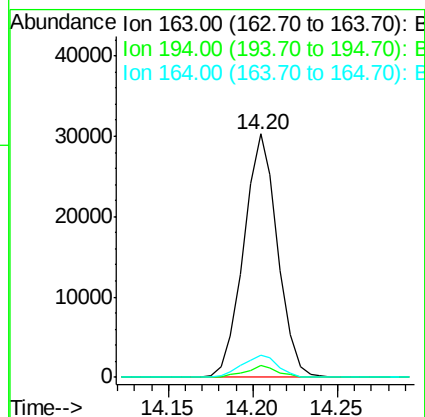
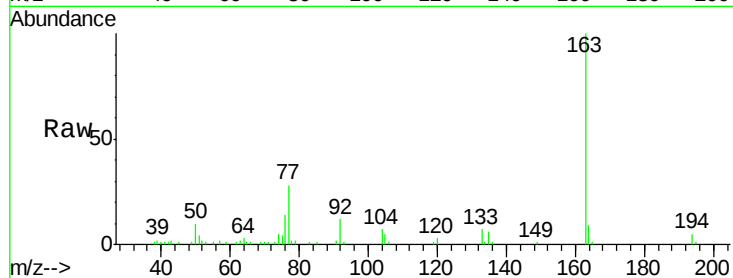
#49
Dimethylphthalate
Concen: 13.23 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.8	4.2#
164	9.3	7.9	11.9

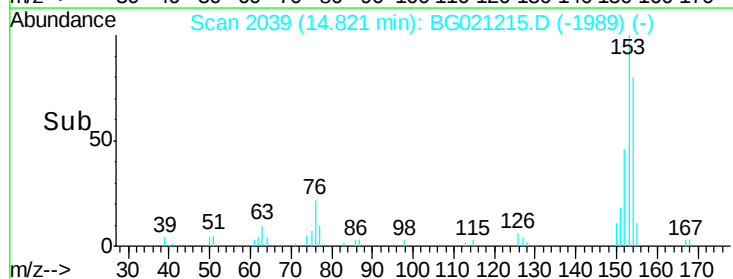
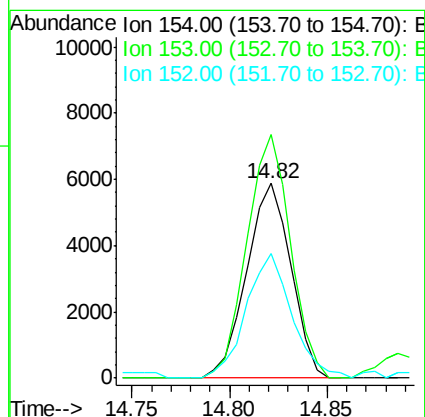
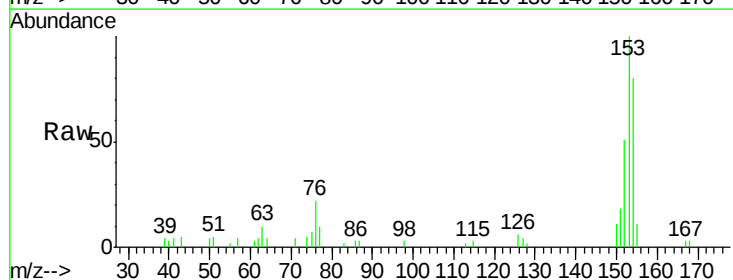
Manual Integrations
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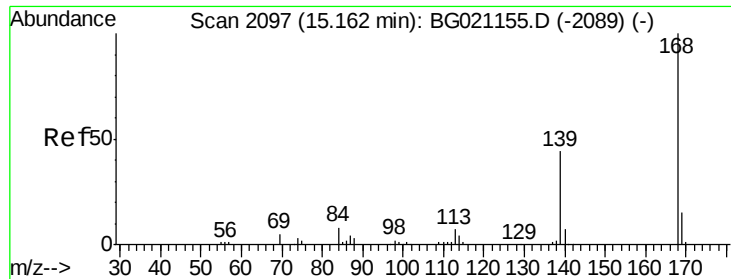
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#51
Acenaphthene
Concen: 3.87 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	125.1	94.2	141.2
152	64.4	42.9	64.3#





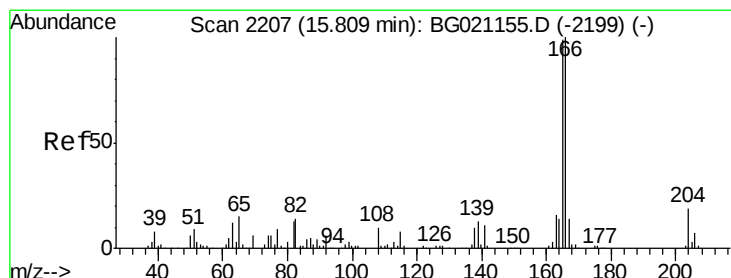
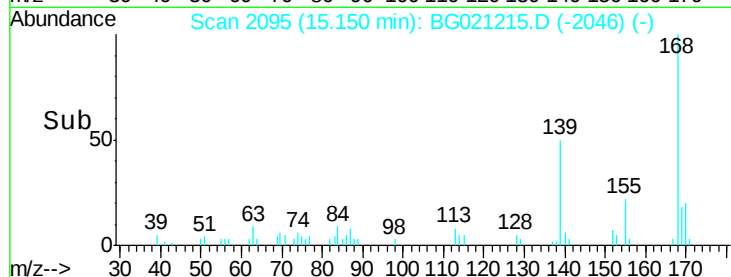
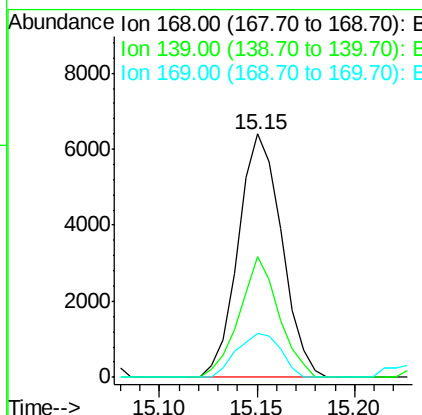
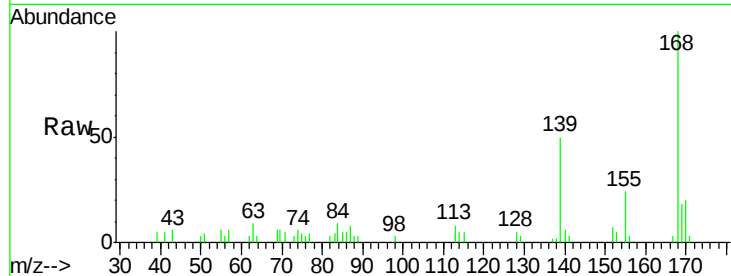
#54
Dibenzenofuran
Concen: 3.10 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion:168	Resp:	9835
Ion Ratio	Lower	Upper
168	100	
139	49.6	29.8 44.8#
169	18.2	11.4 17.2#

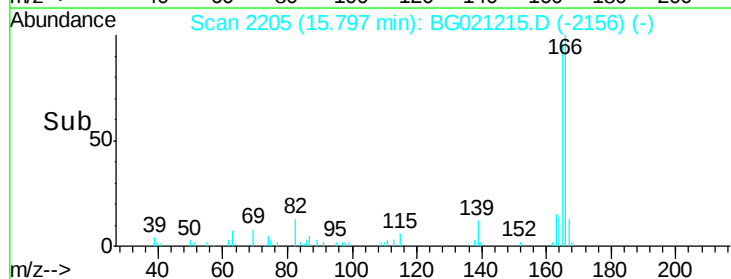
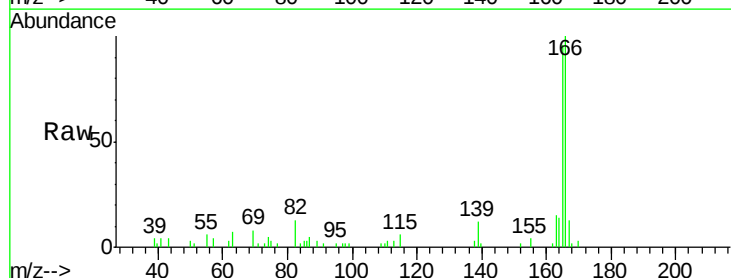
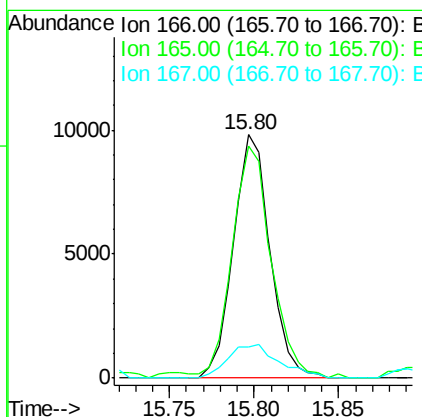
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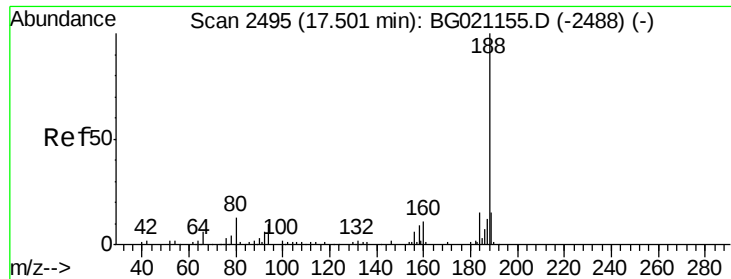
Sohil
3/3/2016 8:23:09 AM



#57
Fluorene
Concen: 4.89 ng
RT: 15.80 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion:166	Resp:	14779
Ion Ratio	Lower	Upper
166	100	
165	95.5	81.3 121.9
167	12.7	10.6 16.0





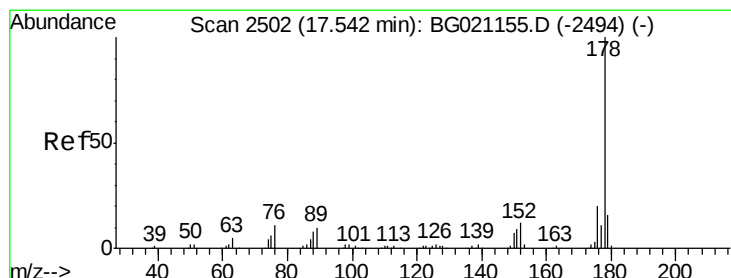
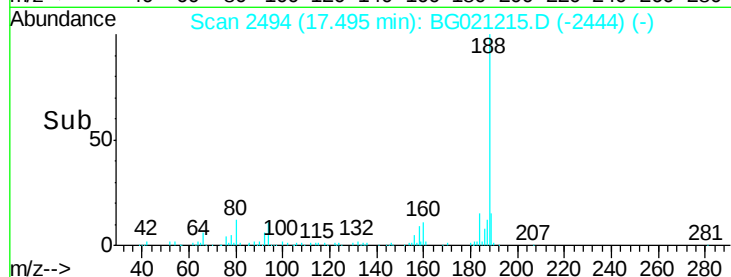
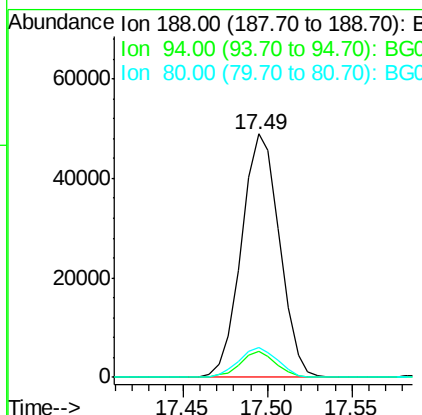
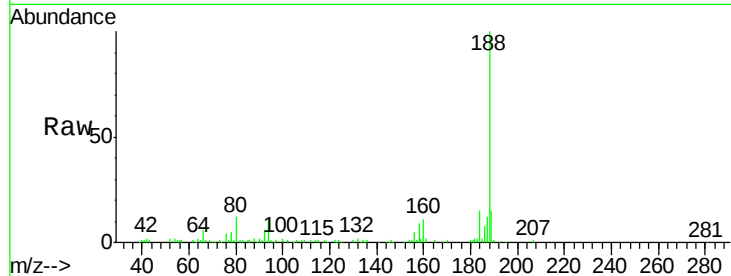
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	8.2	12.4
80	12.5	9.2	13.8

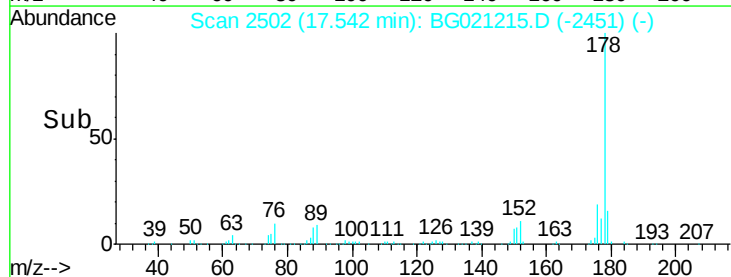
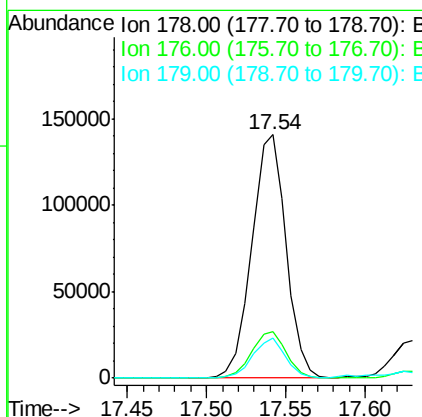
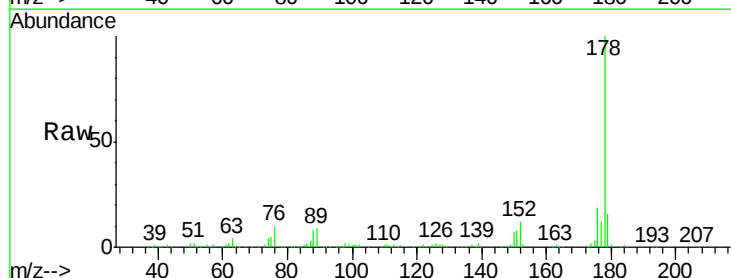
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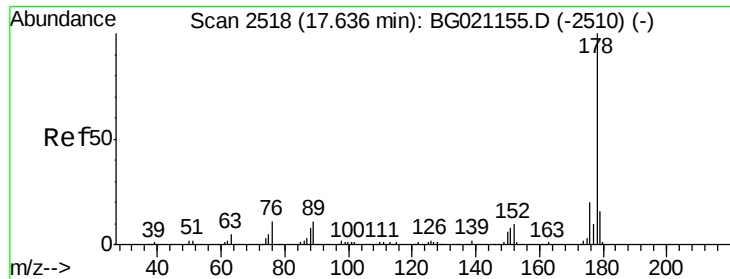
Sohil
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#70
Phenanthrene
Concen: 51.17 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.4	12.9	19.3





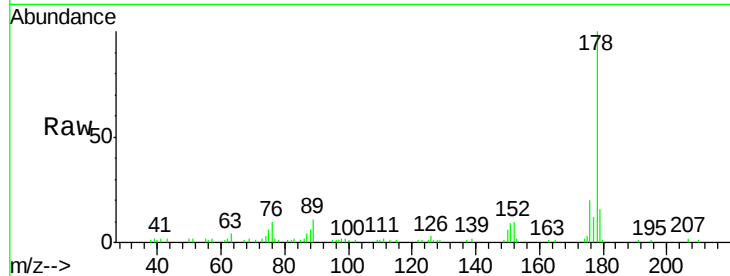
#71
 Anthracene
 Concen: 7.53 ng/mL
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG021215.D
 Acq: 2 Mar 2016 16:23

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

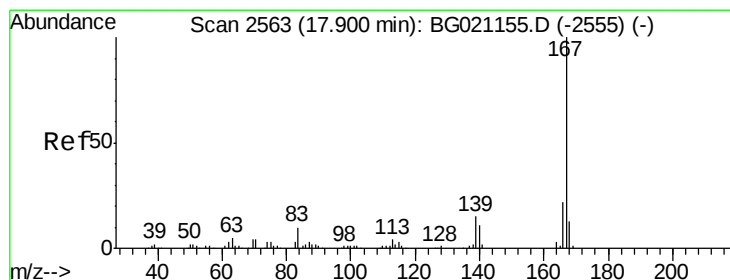
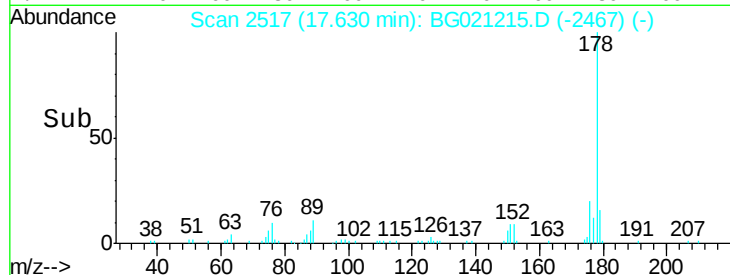
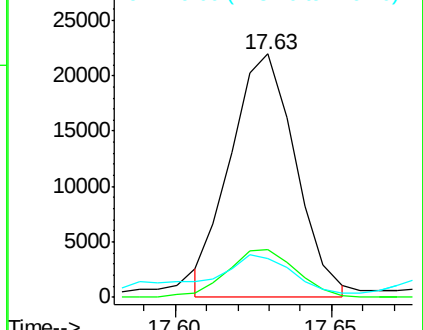
Tot Ion:	178	Resp:	31839
Ion Ratio	Lower	Upper	
178	100		
176	19.6	14.8	22.2
179	16.1	12.6	19.0

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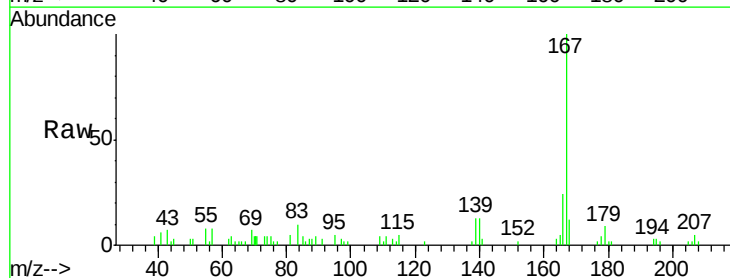


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

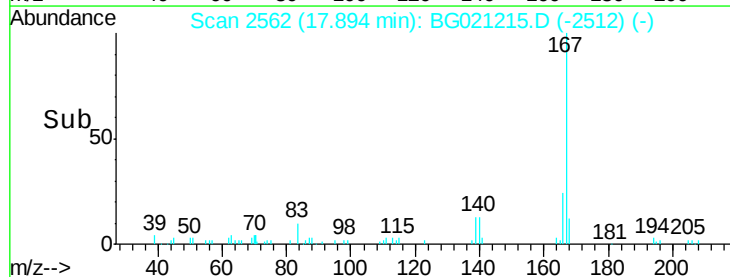
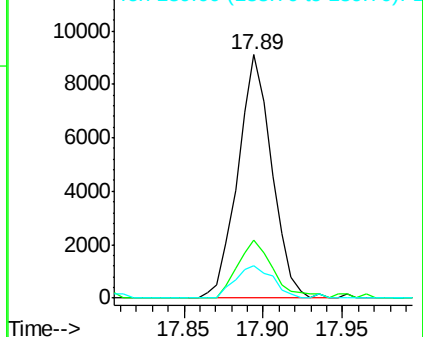


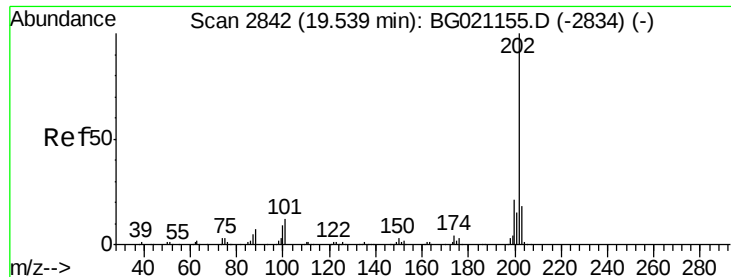
#72
 Carbazole
 Concen: 3.60 ng/mL
 RT: 17.89 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BG021215.D
 Acq: 2 Mar 2016 16:23

Tgt Ion:	167	Resp:	13516
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.5	26.3
139	13.2	10.3	15.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 51.06 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Instrument :

BNA_G

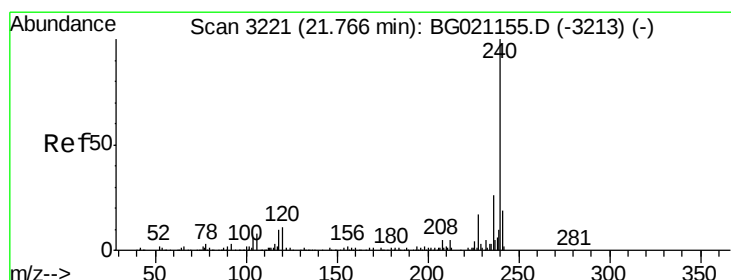
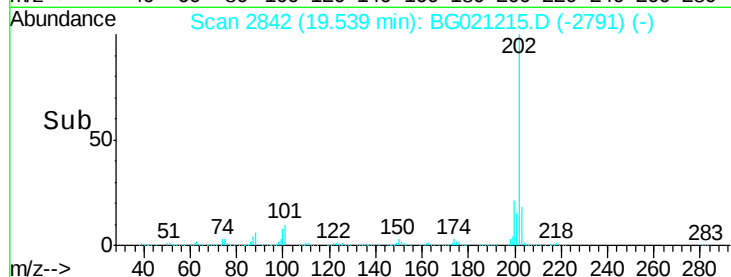
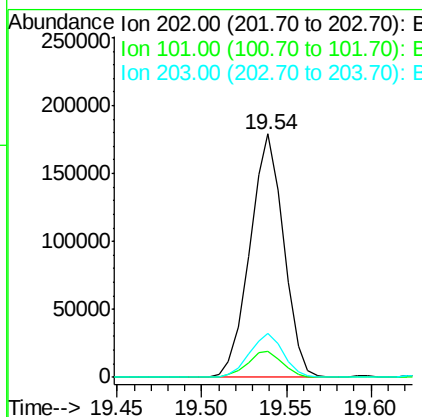
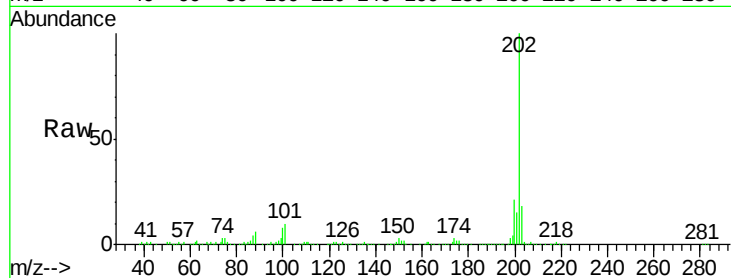
ClientSampleId :

CEB-5(2.5-5)20160223RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		247895		
101	10.5	0.0	32.5		
203	17.9	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

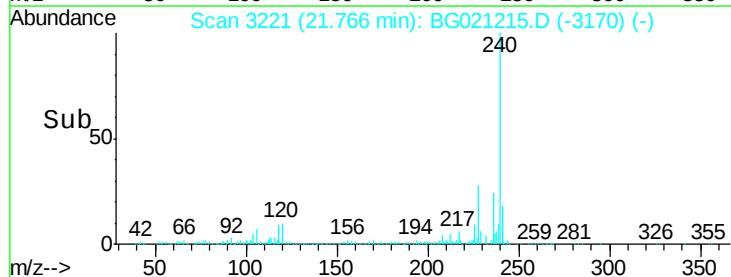
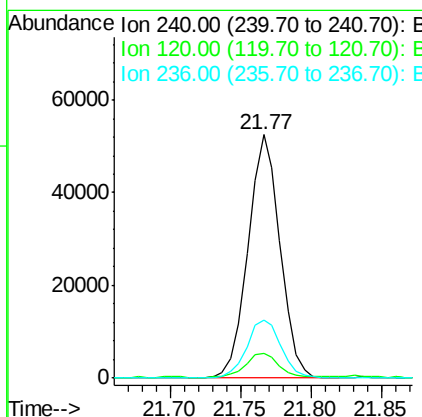
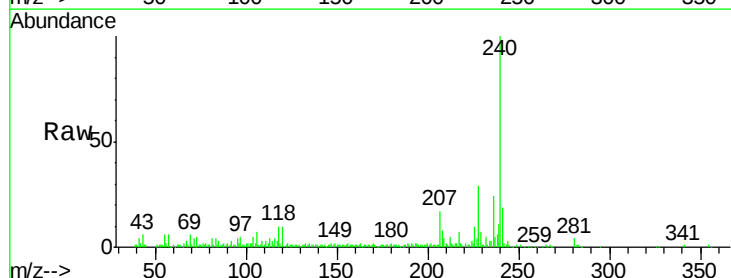
RT: 21.77 min Scan# 3221

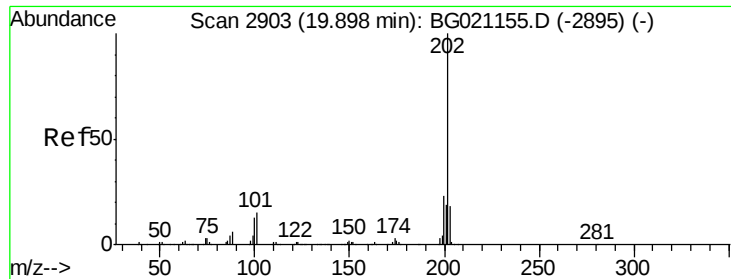
Delta R.T. -0.00 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		83611		
120	10.0	7.5	11.3		
236	24.1	20.5	30.7		





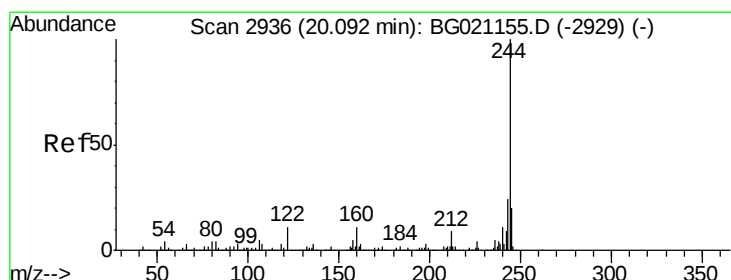
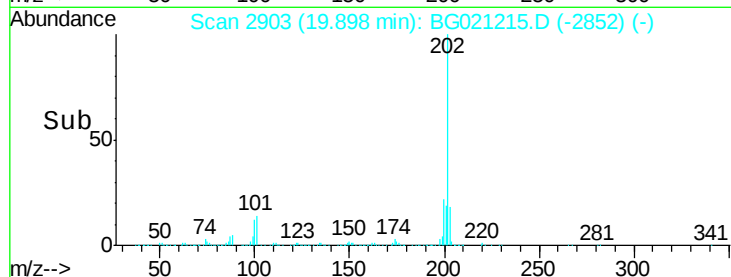
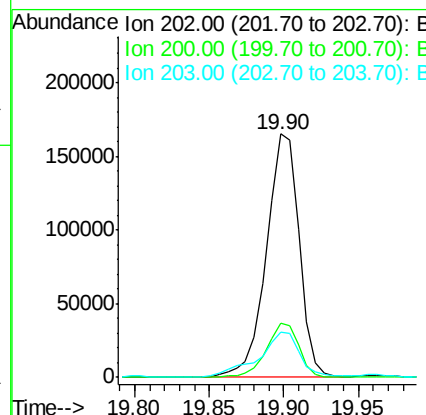
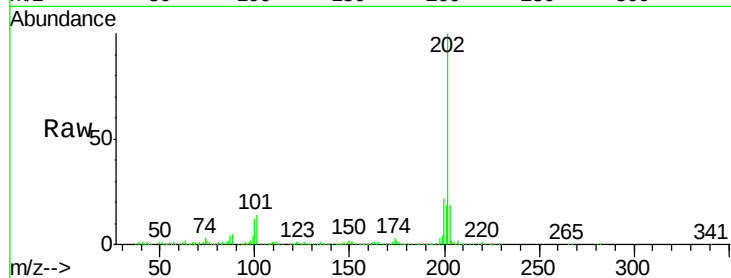
#77
Pvrene
Concen: 50.06 ng
RT: 19.90 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	16.6	25.0
203	18.6	13.8	20.8

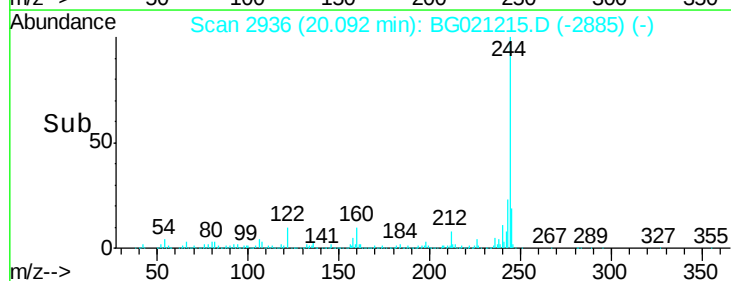
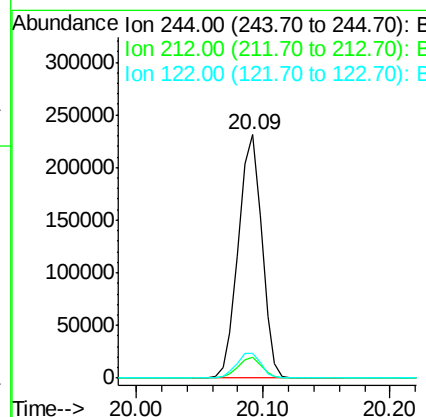
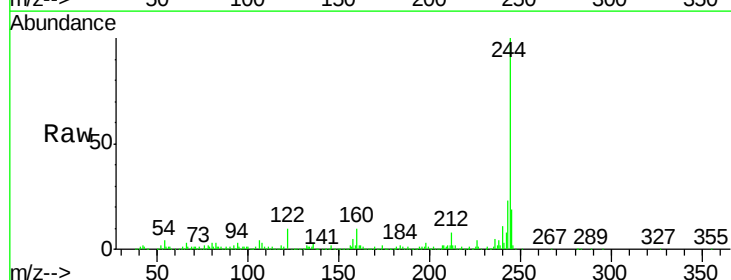
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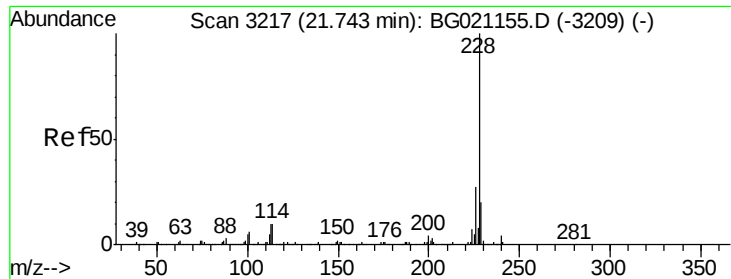
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#78
Terphenyl-d14
Concen: 85.57 ng
RT: 20.09 min Scan# 2936
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.4	5.8	8.6
122	9.9	8.3	12.5





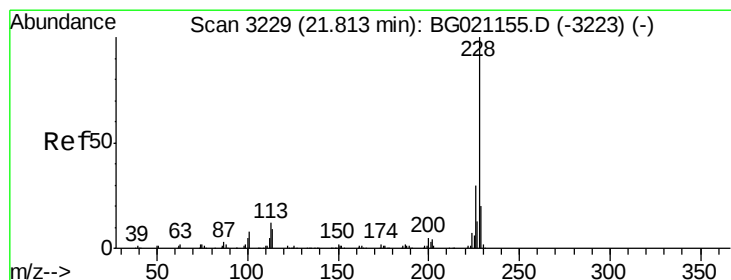
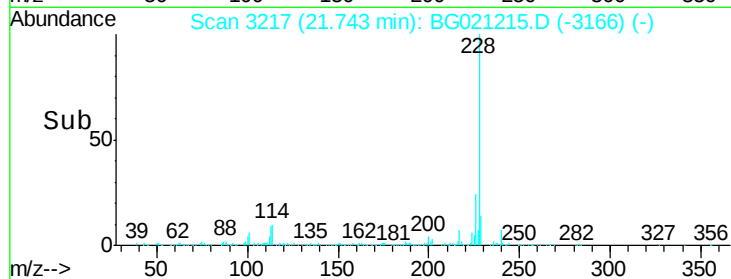
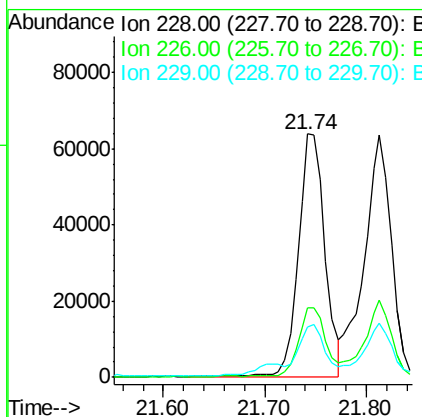
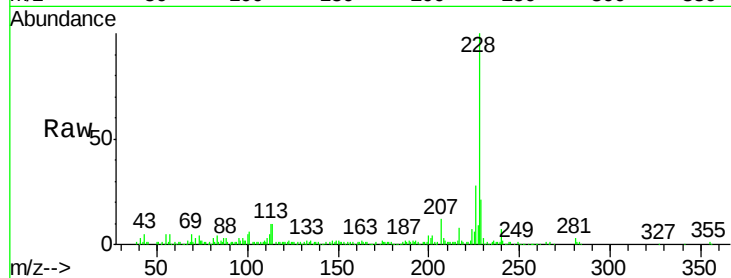
#80
Benzo(a)anthracene
Concen: 23.27 ng
RT: 21.74 min Scan# 3217
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	20.7	15.5	23.3

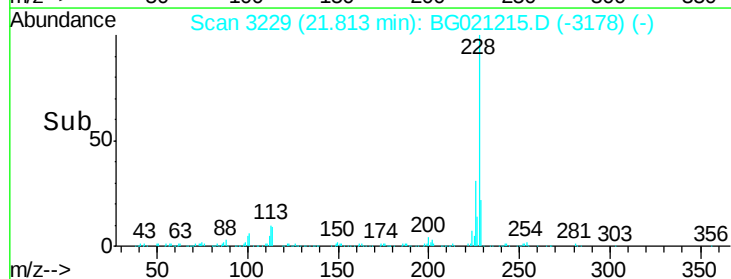
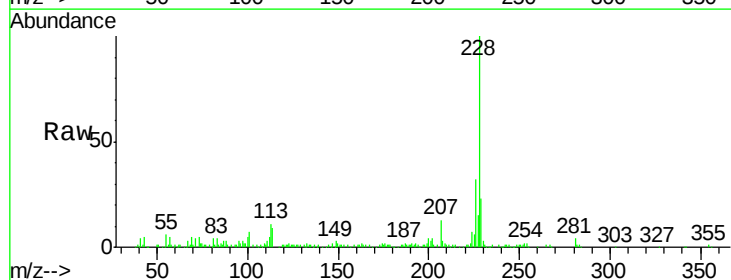
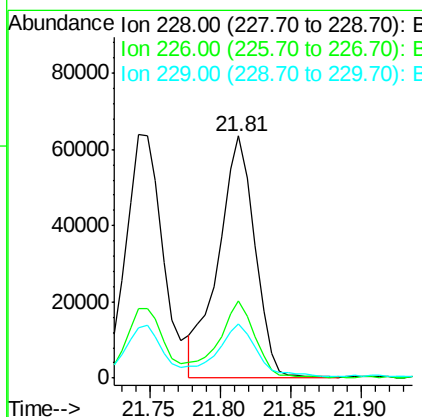
Manual Integrations
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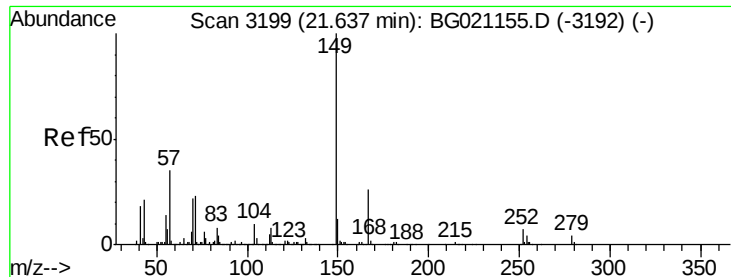
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#82
Chrysene
Concen: 24.18 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.7	35.5
229	22.5	16.7	25.1





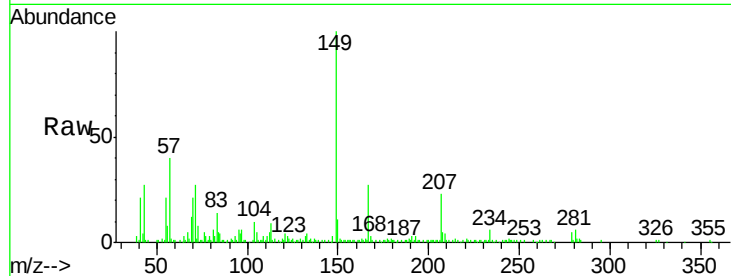
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.96 ng/ml
 RT: 21.64 min Scan# 3199
 Delta R.T. -0.00 min
 Lab File: BG021215.D
 Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	18.9	28.3
279	5.1	3.0	4.6

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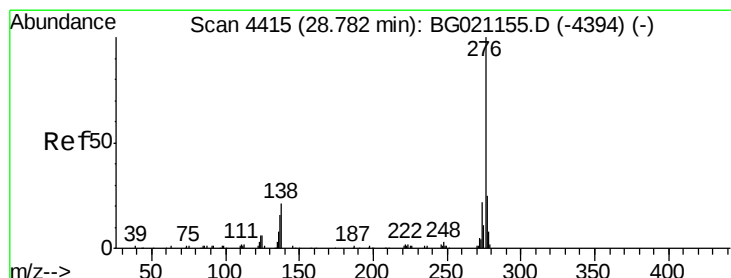
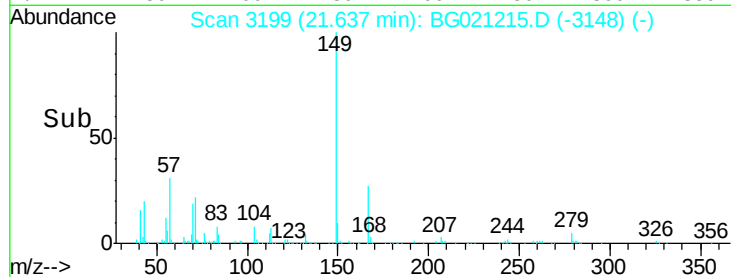
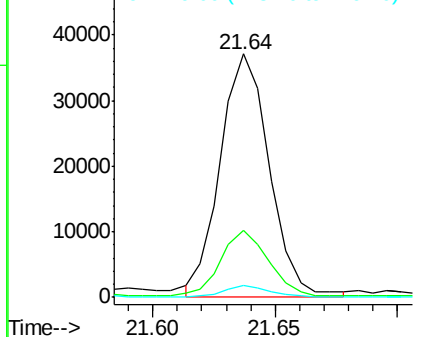


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.44 ng/ml
 RT: 28.79 min Scan# 4417
 Delta R.T. 0.01 min
 Lab File: BG021215.D
 Acq: 2 Mar 2016 16:23

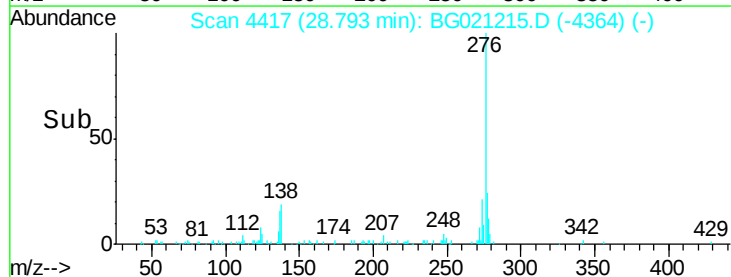
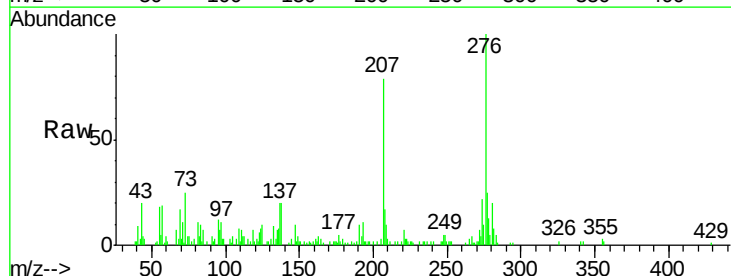
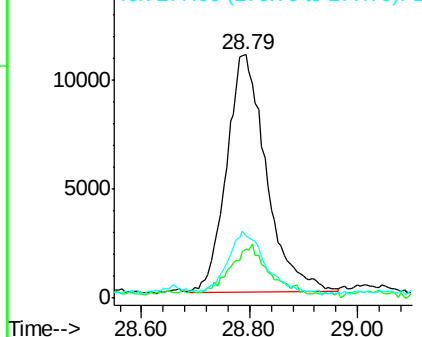
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.0	24.0
277	25.2	16.0	24.0

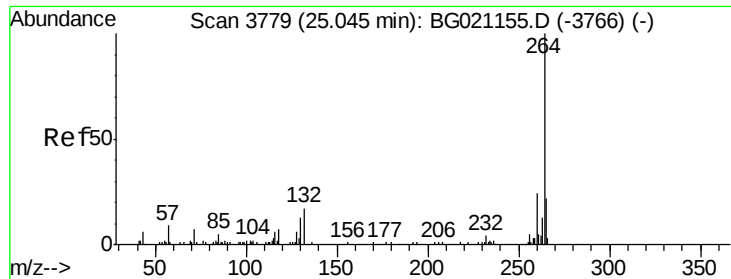
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.05 min Scan# 3780

Delta R.T. 0.01 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Instrument :

BNA_G

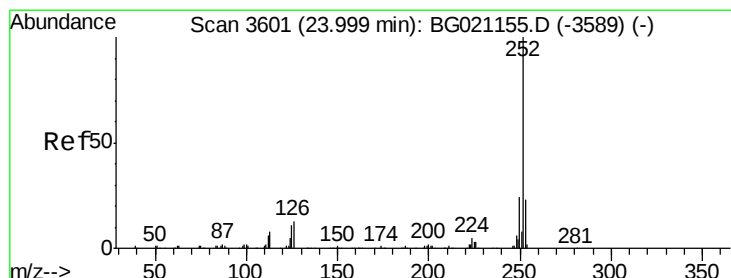
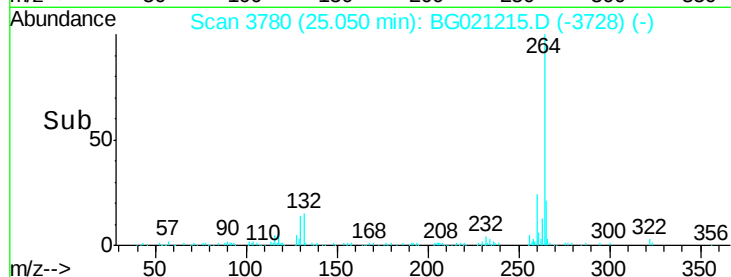
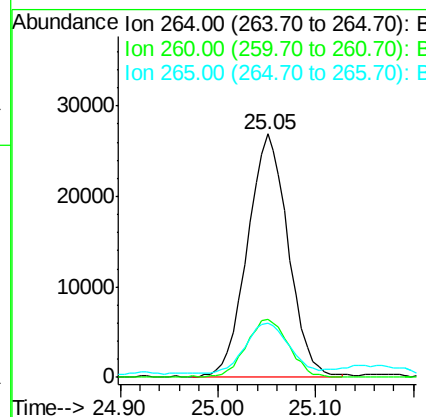
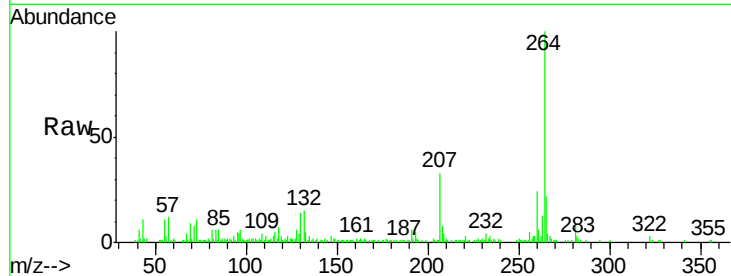
ClientSampleId :

CEB-5(2.5-5)20160223RE

Tot Ion:	264	Resp:	78671
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.5	27.7
265	22.1	18.6	28.0

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#87

Benzo(b)fluoranthene

Concen: 25.32 ng

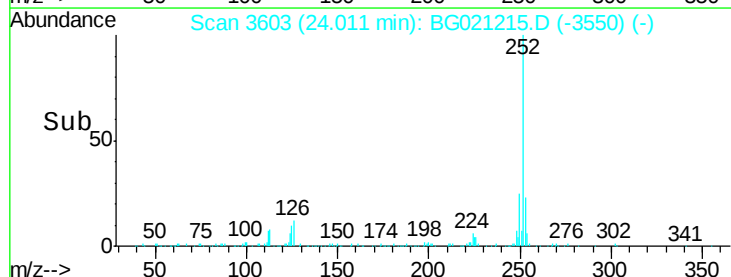
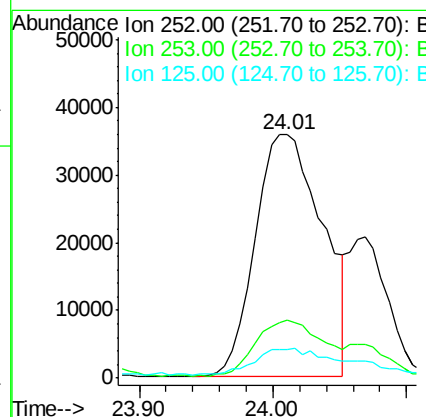
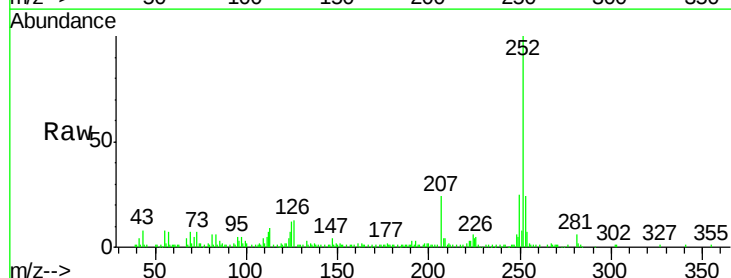
RT: 24.01 min Scan# 3603

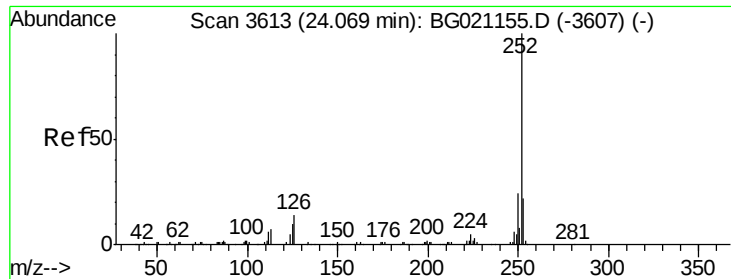
Delta R.T. 0.01 min

Lab File: BG021215.D

Acq: 2 Mar 2016 16:23

Tgt Ion:	252	Resp:	125296
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.8	25.2
125	11.7	8.2	12.2





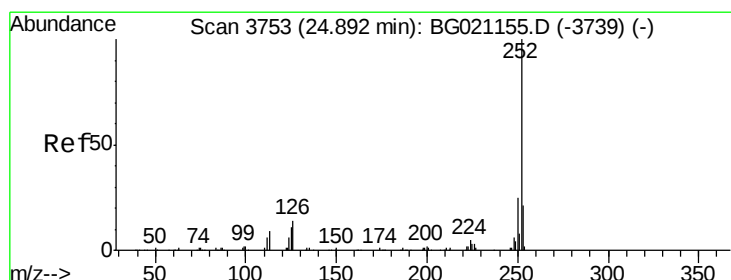
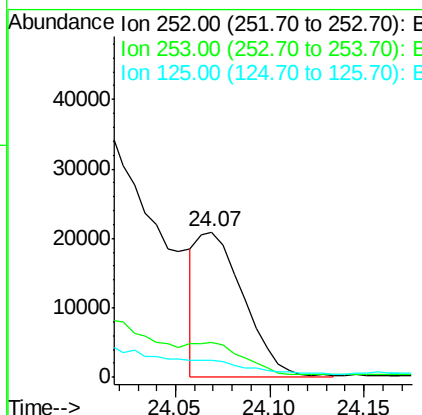
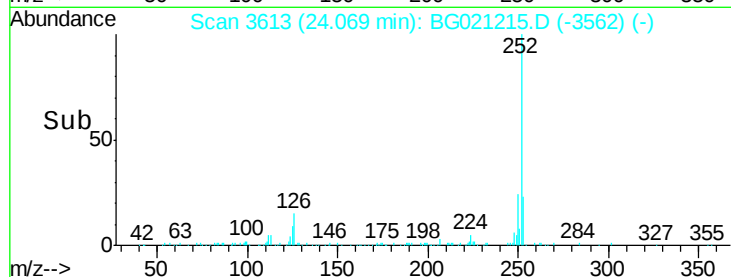
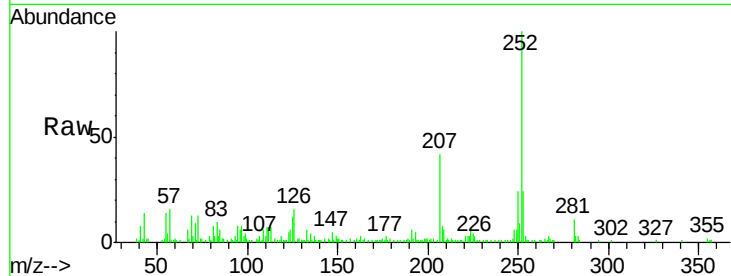
#88
Benzo(k)fluoranthene
Concen: 7.28 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion:	252	Resp:	36085
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.4	24.6
125	12.0	8.2	12.2

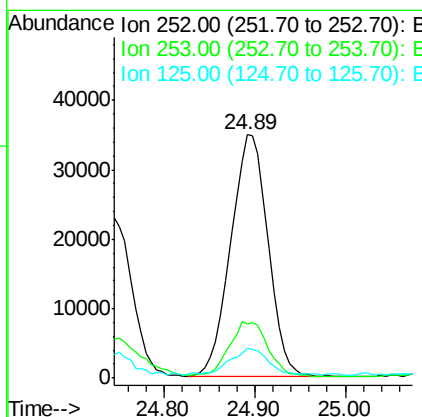
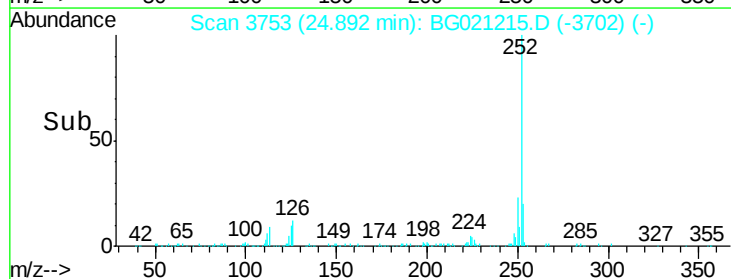
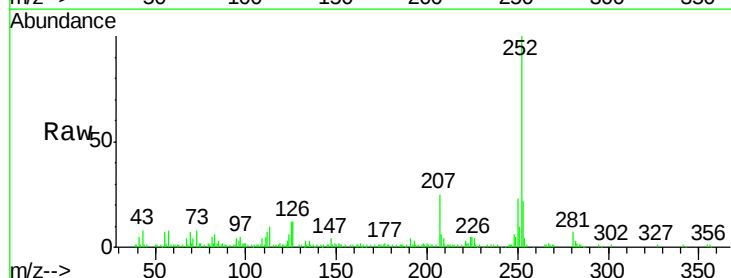
Manual Integrations
APPROVED

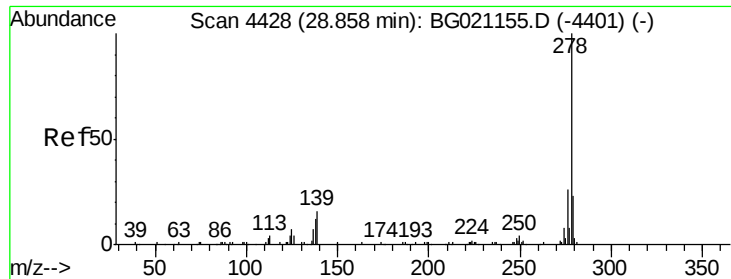
Sohil
3/3/2016 8:23:09 AM



#89
Benzo(a)pyrene
Concen: 20.83 ng
RT: 24.89 min Scan# 3753
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion:	252	Resp:	99674
Ion Ratio	Lower	Upper	
252	100		
253	22.4	15.8	23.8
125	12.4	8.4	12.6





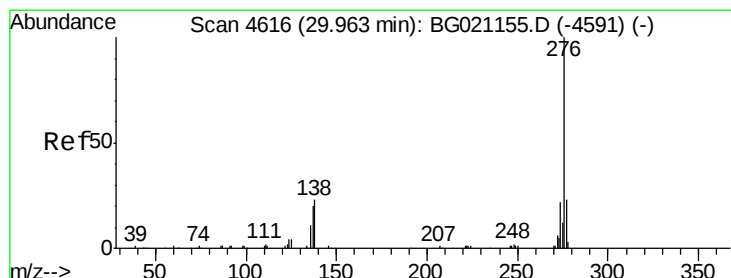
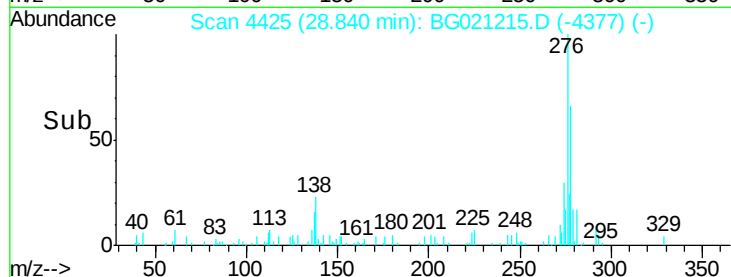
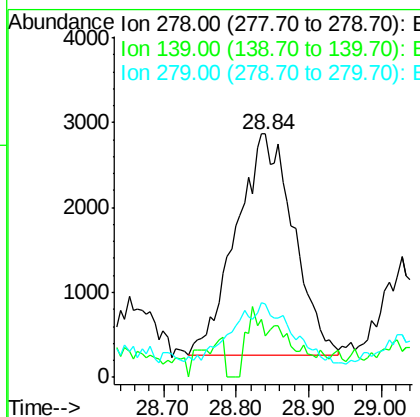
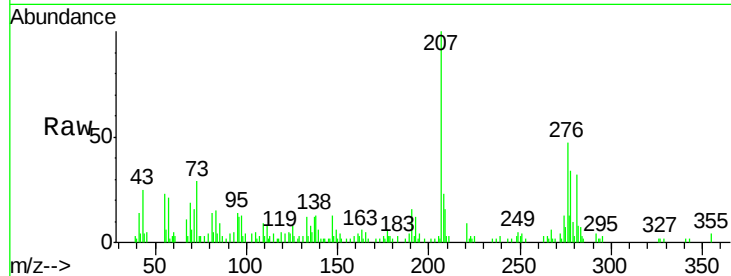
#90
Dibenzo(a,h)anthracene
Concen: 3.03 ng
RT: 28.84 min Scan# 4425
Delta R.T. -0.02 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	10.6	15.8#
279	30.3	19.7	29.5#

Manual Integrations
APPROVED

Sohil
3/3/2016 8:23:09 AM



#91
Benzo(g,h,i)perylene
Concen: 12.34 ng
RT: 29.96 min Scan# 4616
Delta R.T. -0.00 min
Lab File: BG021215.D
Acq: 2 Mar 2016 16:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	16.6	25.0#
138	20.1	14.6	21.8

