

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021212.D
 Acq On : 2 Mar 2016 14:25
 Operator : UM/SJ
 Sample : H1578-03DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CEB-7(2.5-5)20160224DL

Manual Integrations
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Sohil
 3/3/2016 8:22:52 AM

Quant Time: Mar 02 15:10:27 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 14:51:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	11888	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	66606	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	46165	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	108010	20.00	ng	0.00
75) Chrysene-d12	21.77	240	110148	20.00	ng	0.00
86) Perylene-d12	25.05	264	103306	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	3175	4.25	ng	0.00
7) Phenol-d6	7.30	99	5058	4.11	ng	0.00
23) Nitrobenzene-d5	9.31	82	3743	2.38	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	1389	2.89	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	6671	2.05	ng	0.00
78) Terphenyl-d14	20.09	244	9063	1.99	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	8123	2.34	ng	99
51) Acenaphthene	14.82	154	6245	2.04	ng	95
57) Fluorene	15.80	166	9422	2.42	ng	93
70) Phenanthrene	17.54	178	136503	23.42	ng	98
71) Anthracene	17.63	178	20761	3.48	ng	99
74) Fluoranthene	19.54	202	136824	19.98	ng	97
77) Pyrene	19.90	202	138812	21.12	ng	99
80) Benzo(a)anthracene	21.75	228	59039	9.05	ng	97
82) Chrysene	21.81	228	62227	10.07	ng	99
85) Indeno(1,2,3-cd)pyrene	28.78	276	29342	4.14	ng	# 92
87) Benzo(b)fluoranthene	24.00	252	61281m	9.43	ng	
88) Benzo(k)fluoranthene	24.06	252	22195m	3.41	ng	
89) Benzo(a)pyrene	24.89	252	50115	7.98	ng	93
91) Benzo(a,h,i)perylene	29.95	276	28077	4.68	ng	96

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

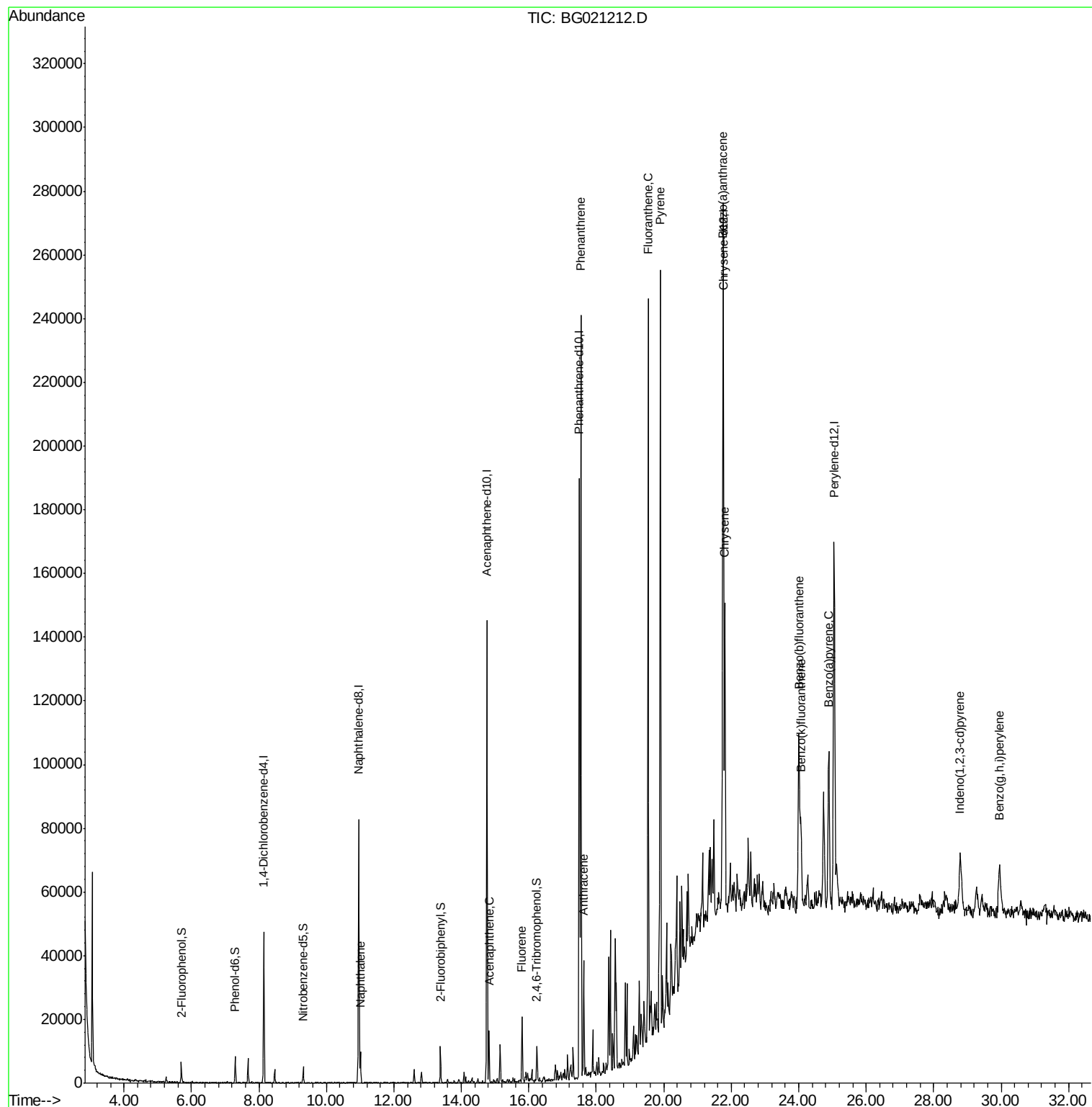
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021212.D
Acq On : 2 Mar 2016 14:25
Operator : UM/SJ
Sample : H1578-03DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

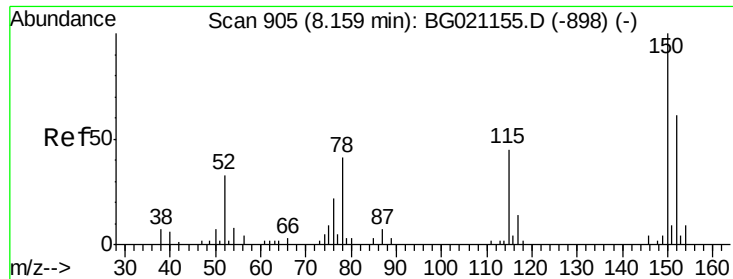
Instrument :
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ClientSampleId :
CEB-7(2.5-5)20160224DL

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Quant Time: Mar 02 15:10:27 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

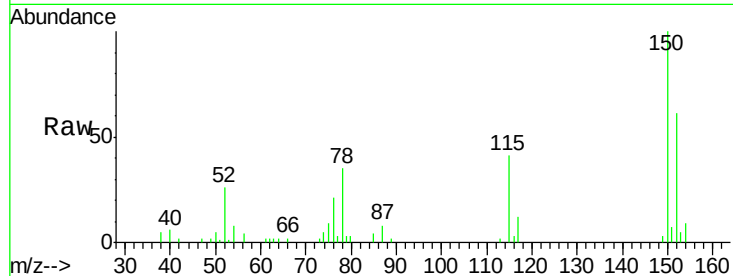
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	123.4	185.2
115	66.4	43.3	64.9#

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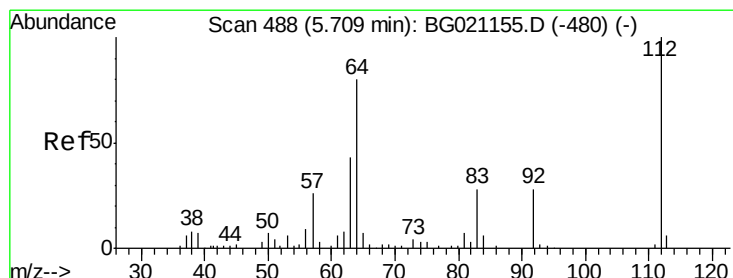
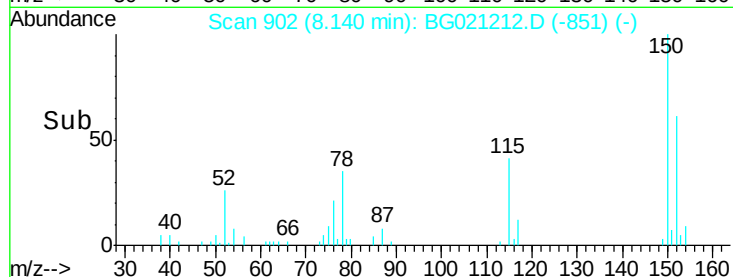
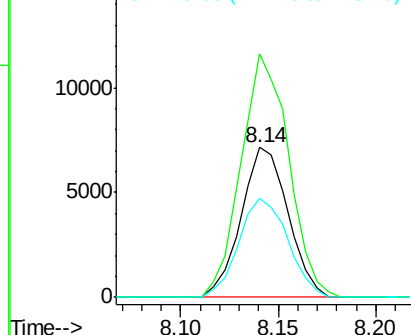


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

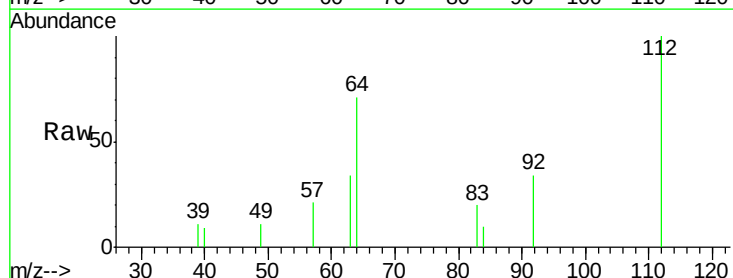
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.25 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	42.6	63.8#
63	34.3	21.7	32.5#

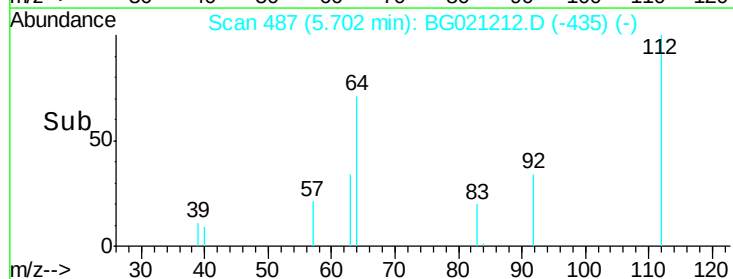
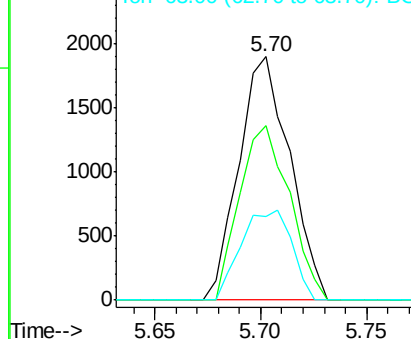


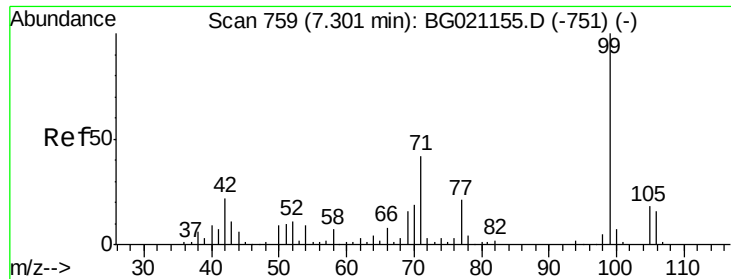
Abundance

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: 4.11 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Instrument :

BNA_G

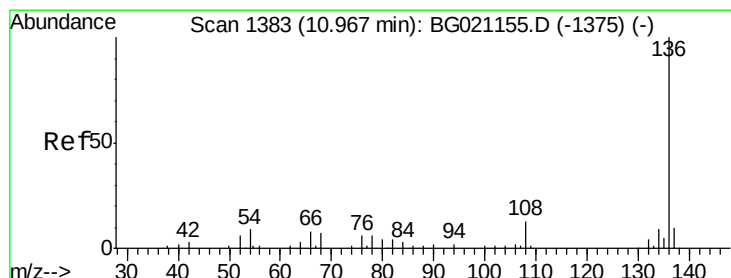
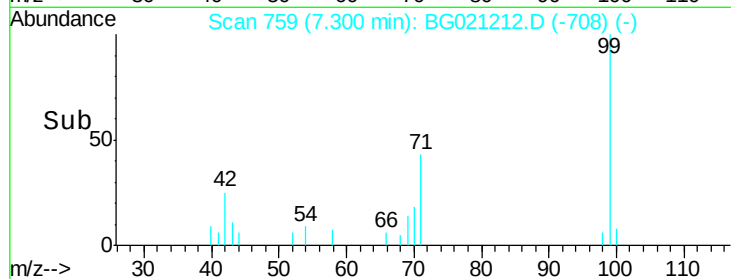
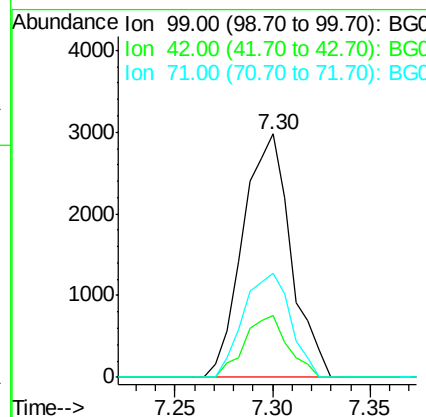
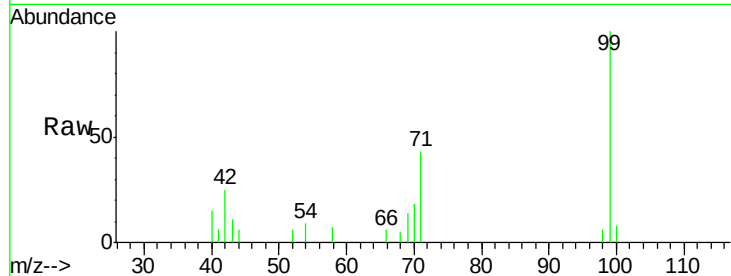
ClientSampleId :

CEB-7(2.5-5)20160224DL

Tot Ion:	99	Resp:	5058
Ion Ratio	Lower	Upper	
99	100		
42	25.5	13.2	19.8#
71	42.5	25.2	37.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

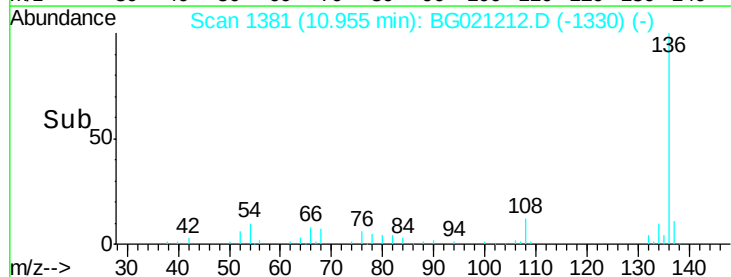
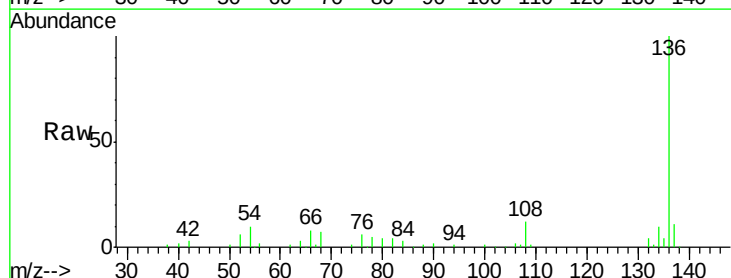
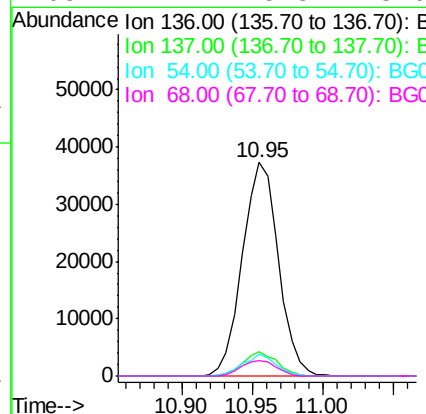
RT: 10.95 min Scan# 1381

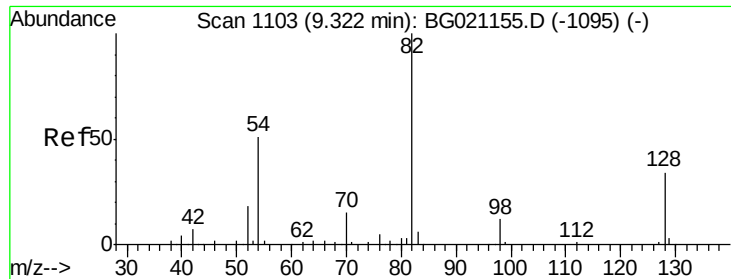
Delta R.T. -0.00 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Tgt Ion:	136	Resp:	66606
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.8	13.2
54	10.1	6.9	10.3
68	7.4	5.8	8.6





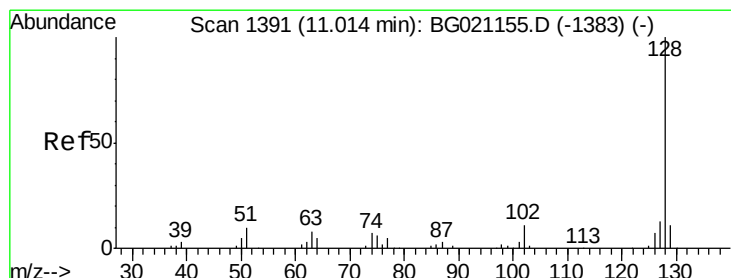
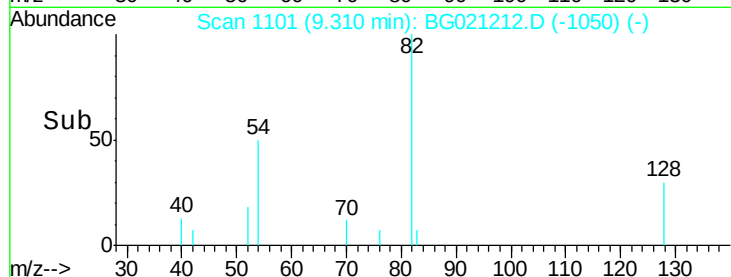
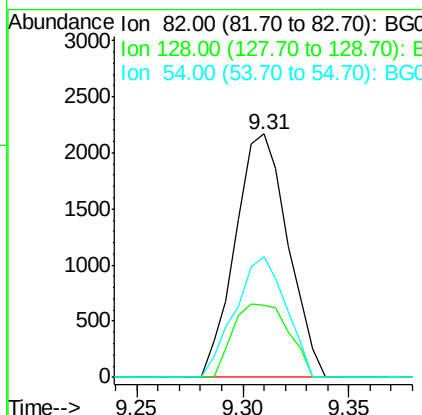
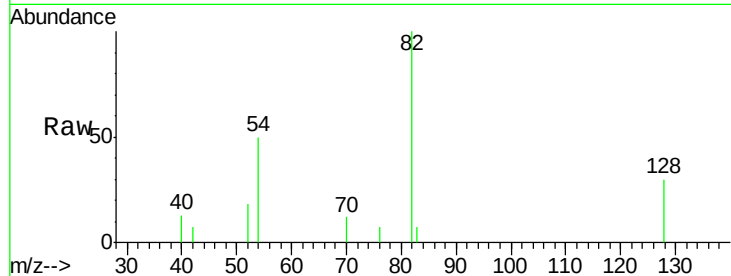
#23
Nitrobenzene-d5
Concen: 2.38 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	29.9	36.3	54.5#
54	49.8	37.6	56.4

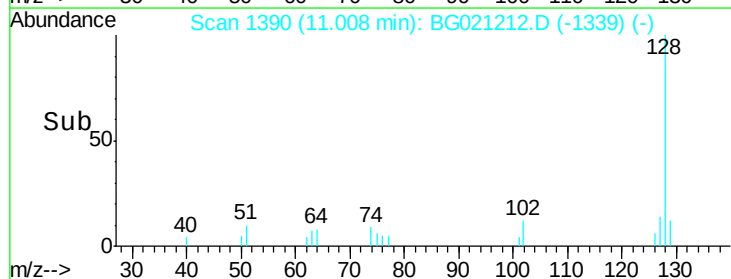
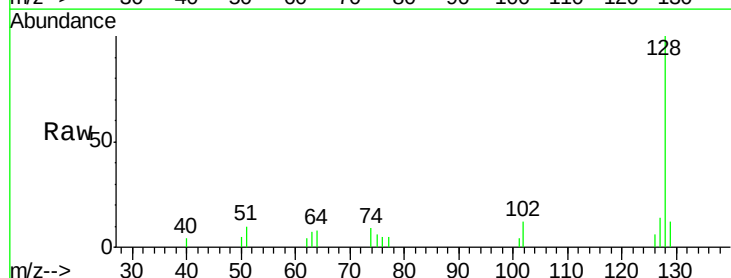
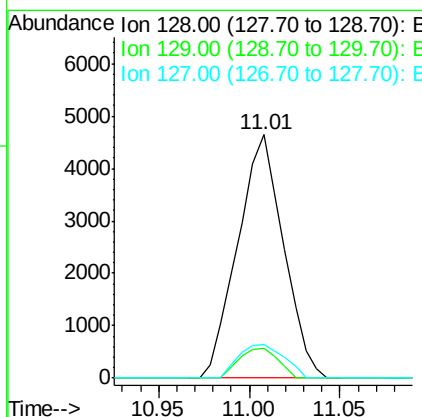
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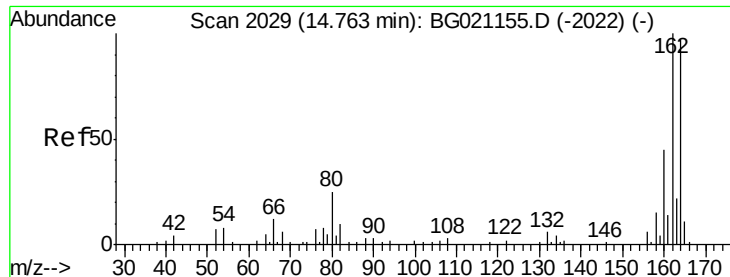
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#31
Naphthalene
Concen: 2.34 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.2
127	14.0	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BG021212.D

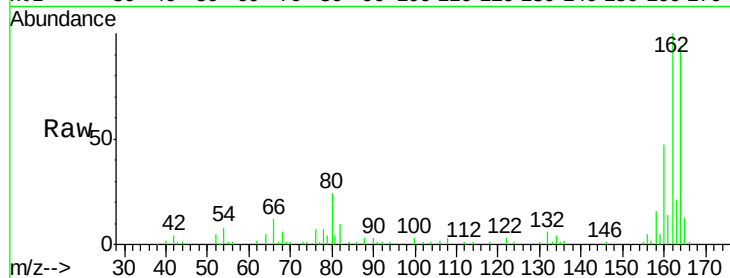
Acq: 2 Mar 2016 14:25

Instrument :

BNA_G

ClientSampleId :

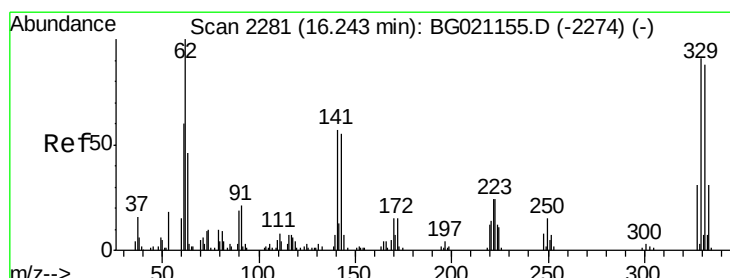
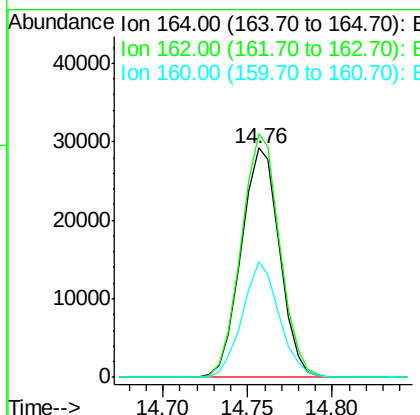
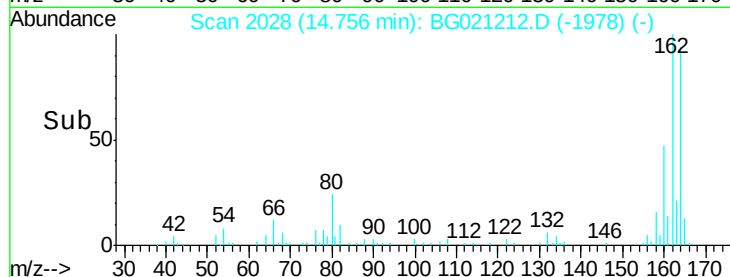
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Tot Ion:	164	Resp:	46165
Ion Ratio	Lower	Upper	
164	100		
162	106.3	80.6	120.8
160	50.3	36.5	54.7

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#41

2,4,6-Tribromophenol

Concen: 2.89 ng

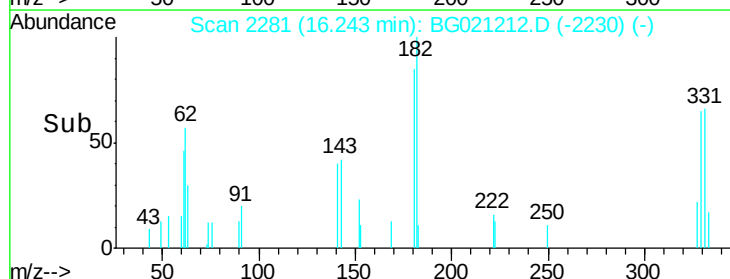
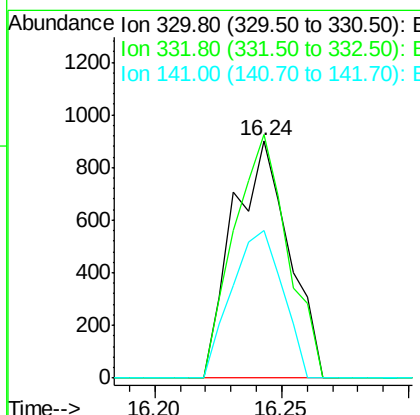
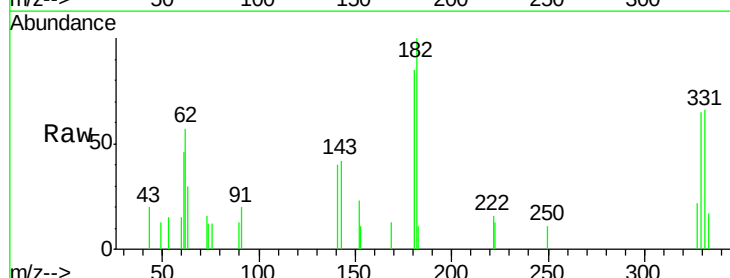
RT: 16.24 min Scan# 2281

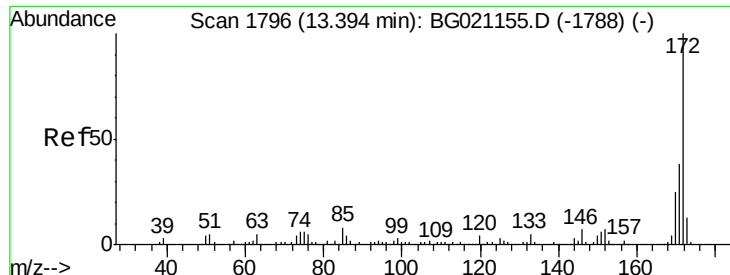
Delta R.T. -0.00 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Tgt Ion:	330	Resp:	1389
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.4	116.0
141	56.7	35.3	52.9#





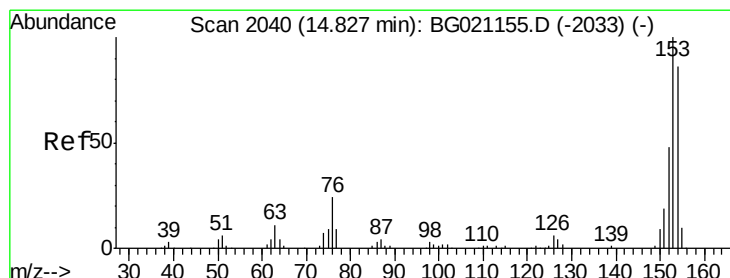
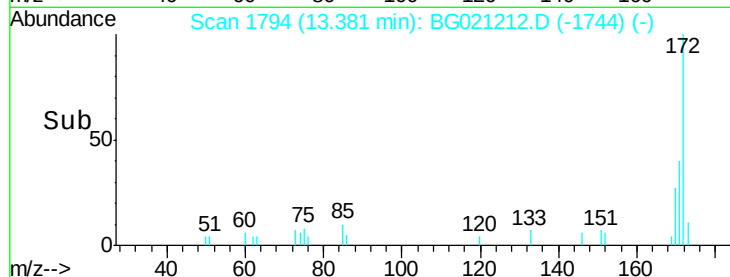
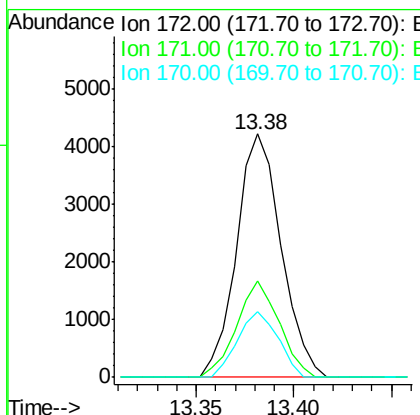
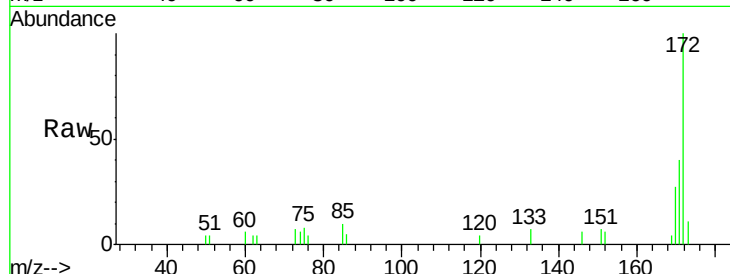
#44
2-Fluorobiphenyl
Concen: 2.05 ng
RT: 13.38 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.8	29.4	44.0
170	26.9	19.8	29.8

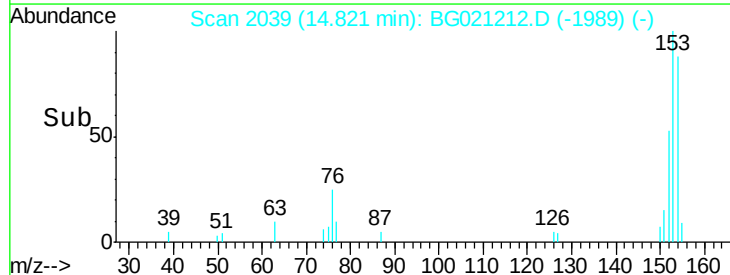
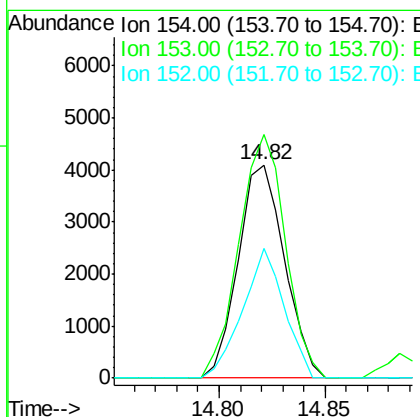
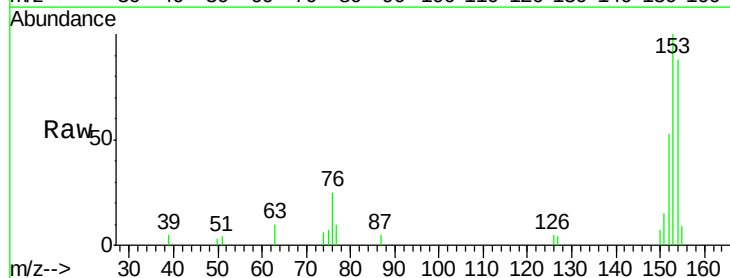
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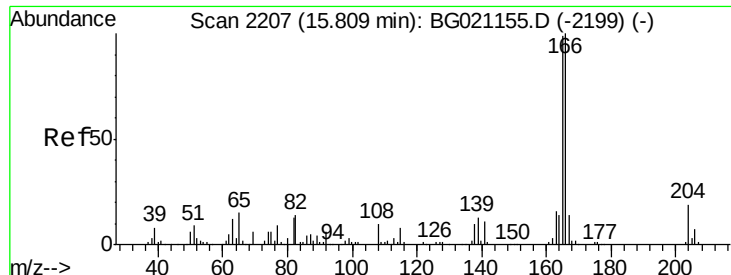
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#51
Acenaphthene
Concen: 2.04 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	94.2	141.2
152	61.0	42.9	64.3





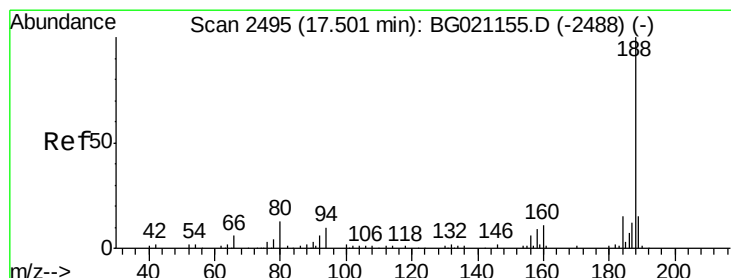
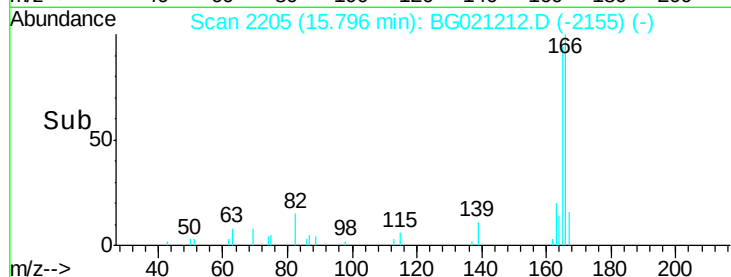
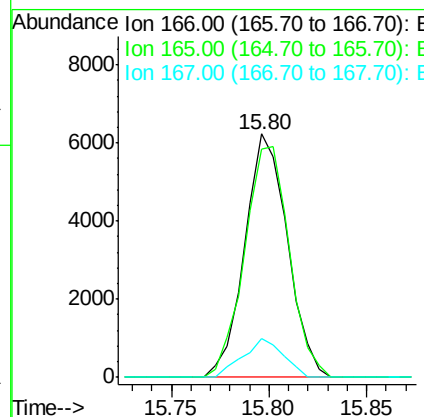
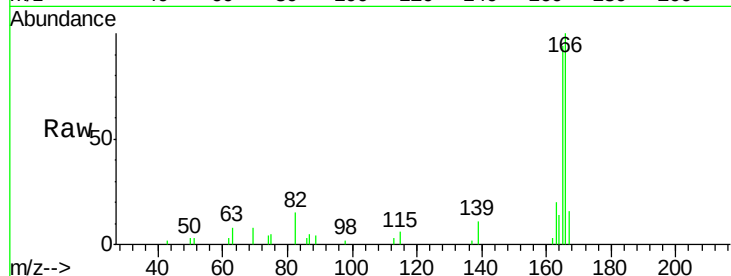
#57
 Fluorene
 Concen: 2.42 ng
 RT: 15.80 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG021212.D
 Acq: 2 Mar 2016 14:25

Instrument :
 BNA_G
 ClientSampleId :
 CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.9	81.3	121.9
167	15.9	10.6	16.0

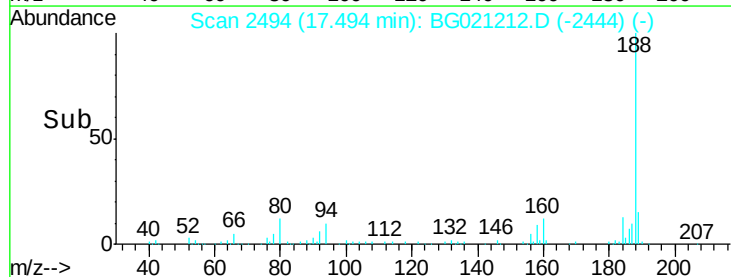
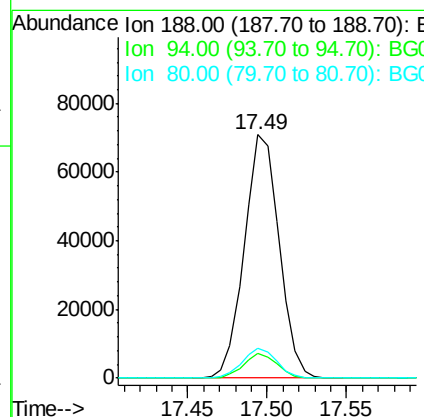
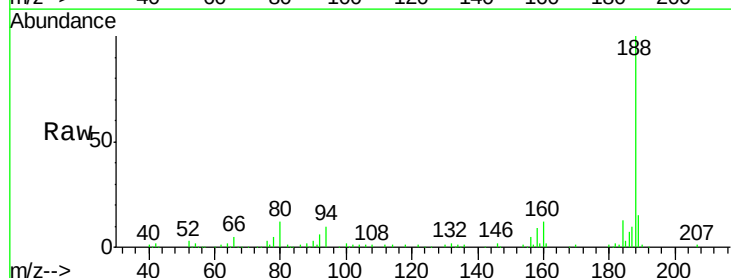
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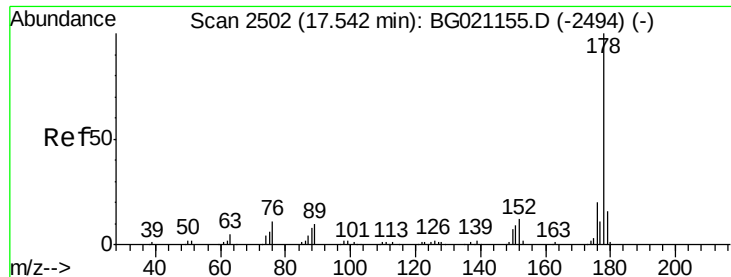
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BG021212.D
 Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.4
80	12.1	9.2	13.8





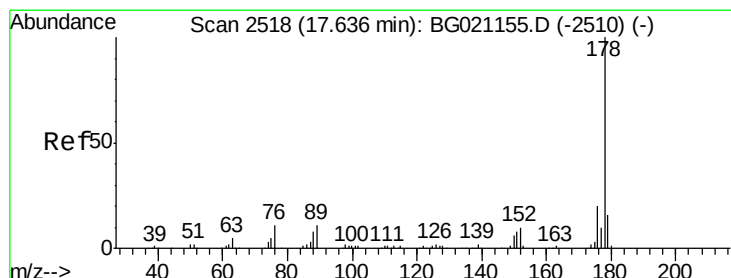
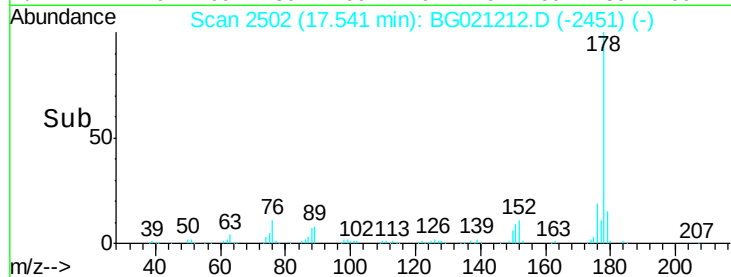
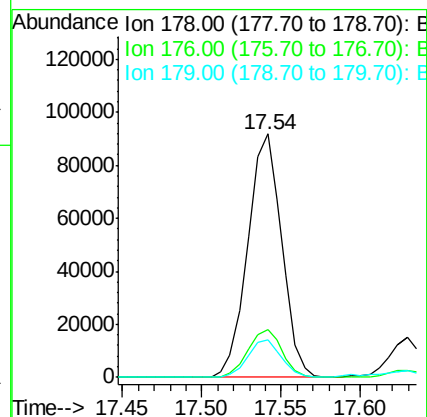
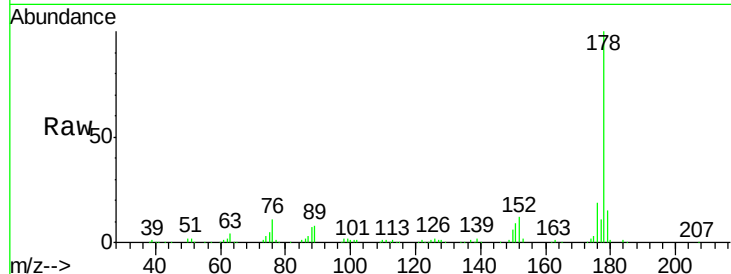
#70
Phenanthrene
Concen: 23.42 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.2	12.9	19.3

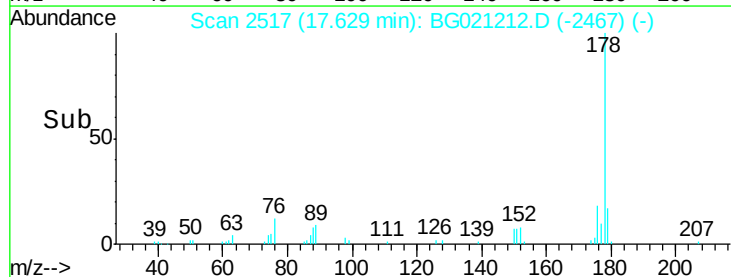
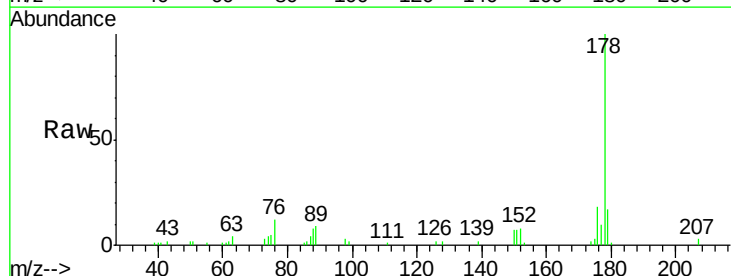
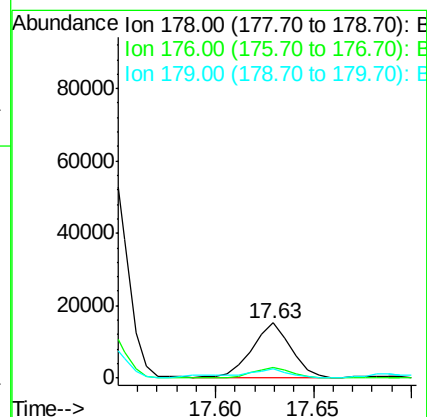
Manual Integrations
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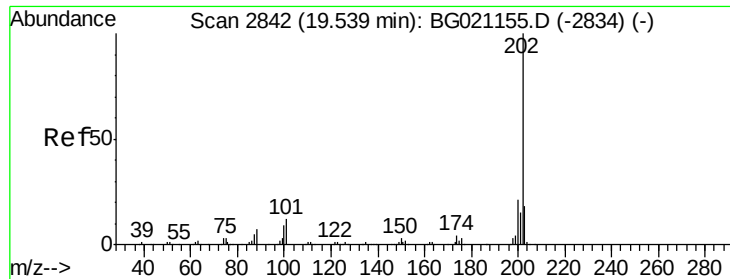
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#71
Anthracene
Concen: 3.48 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	16.9	12.6	19.0





#74

Fluoranthene

Concen: 19.98 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Instrument :

BNA_G

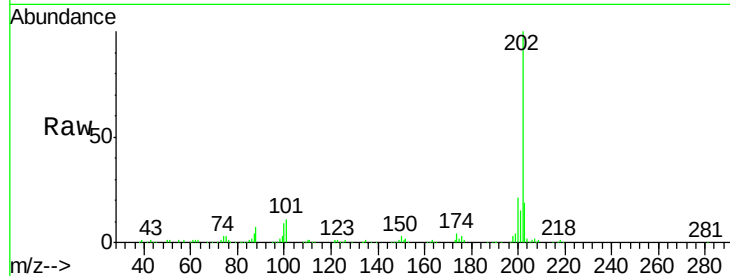
ClientSampleId :

CEB-7(2.5-5)20160224DL

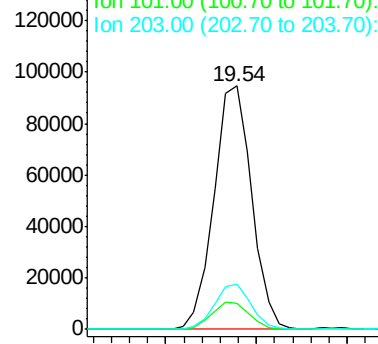
Tot Ion:	202	Resp:	136824
Ion Ratio		Lower	Upper
202	100		
101	10.8	0.0	32.5
203	18.5	0.0	37.6

Manual Integrations
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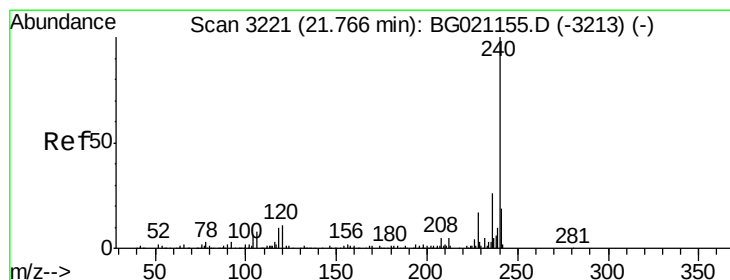
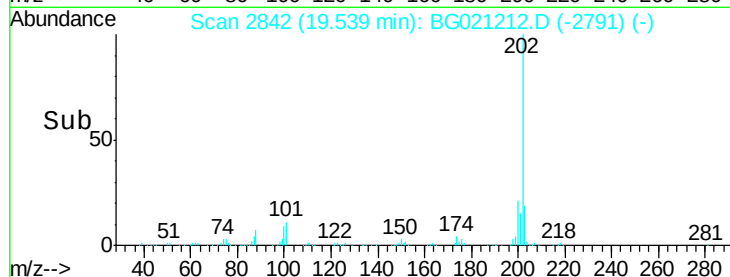
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

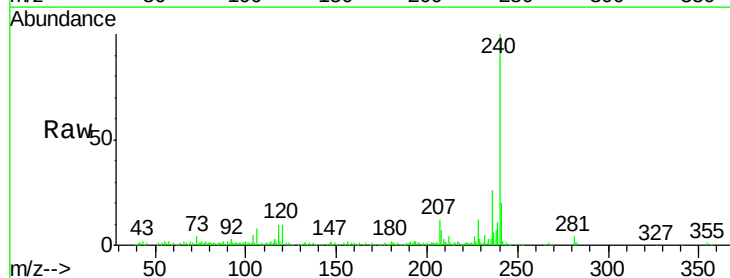
RT: 21.77 min Scan# 3221

Delta R.T. -0.01 min

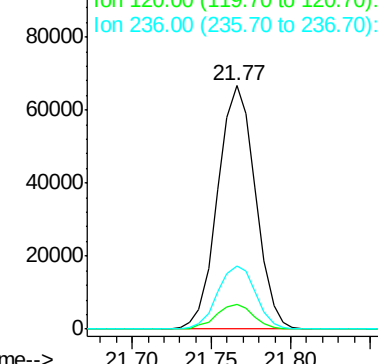
Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

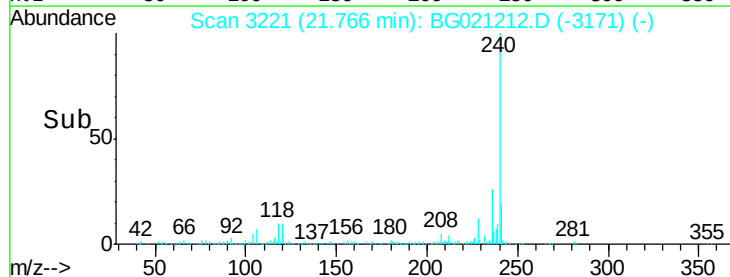
Tgt Ion:	240	Resp:	110148
Ion Ratio		Lower	Upper
240	100		
120	10.1	7.5	11.3
236	25.8	20.5	30.7

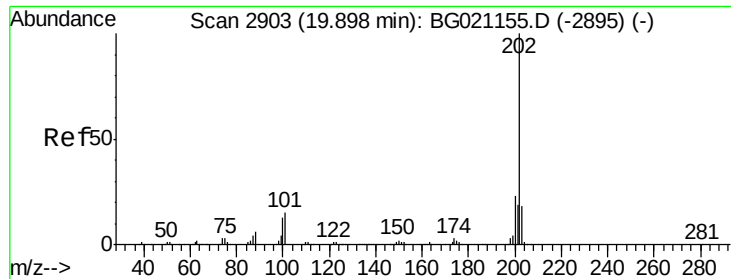


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 21.12 ng

RT: 19.90 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Instrument :

BNA_G

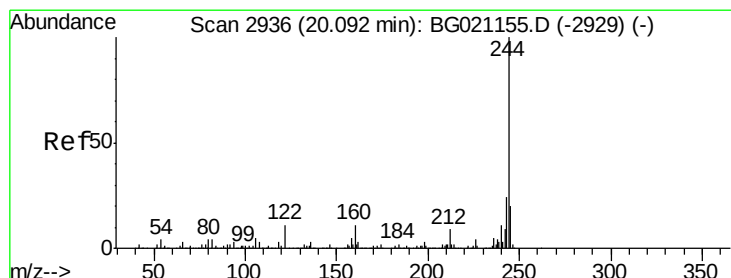
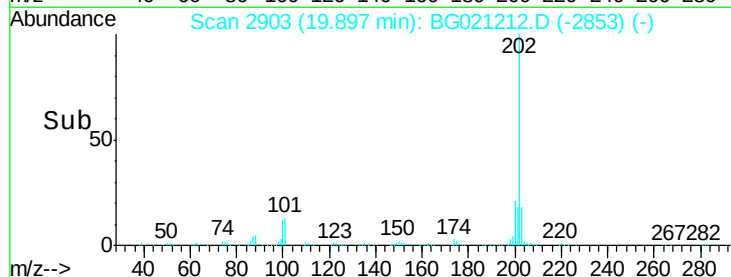
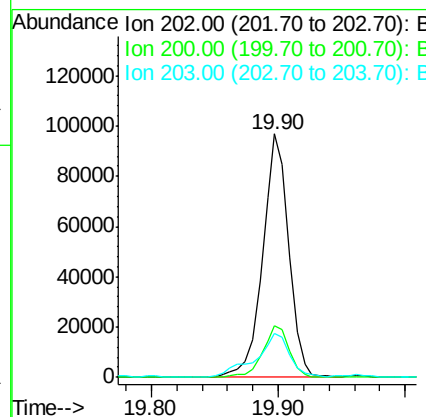
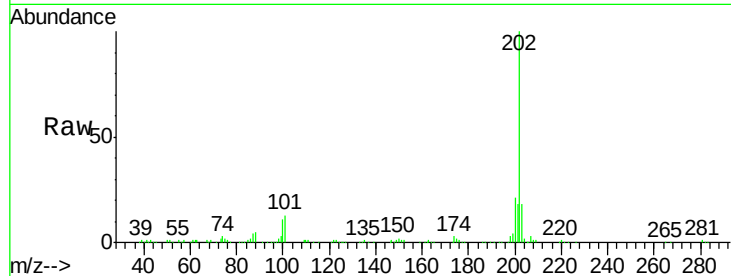
ClientSampleId :

CEB-7(2.5-5)20160224DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.3		16.6	25.0	
203	18.2		13.8	20.8	

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#78

Terphenyl-d14

Concen: 1.99 ng

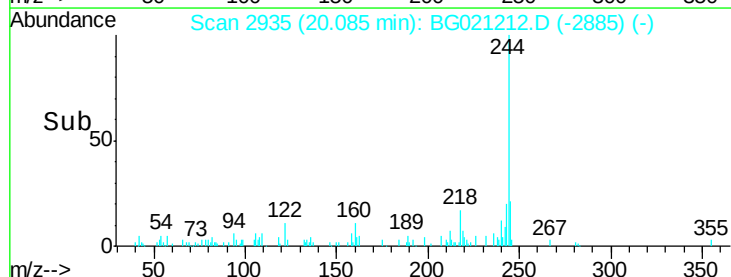
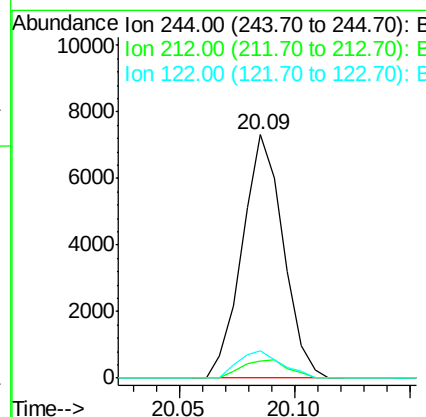
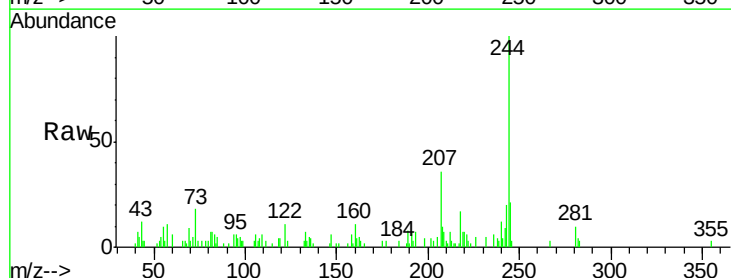
RT: 20.09 min Scan# 2935

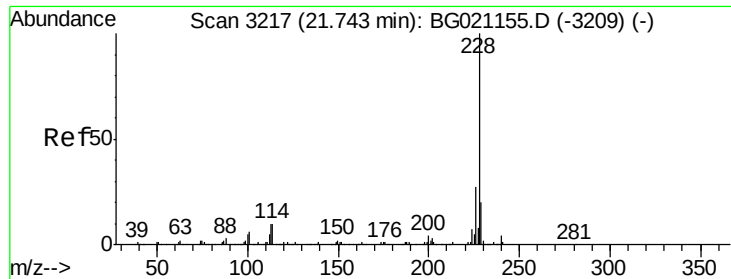
Delta R.T. -0.01 min

Lab File: BG021212.D

Acq: 2 Mar 2016 14:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.2		5.8	8.6	
122	11.2		8.3	12.5	





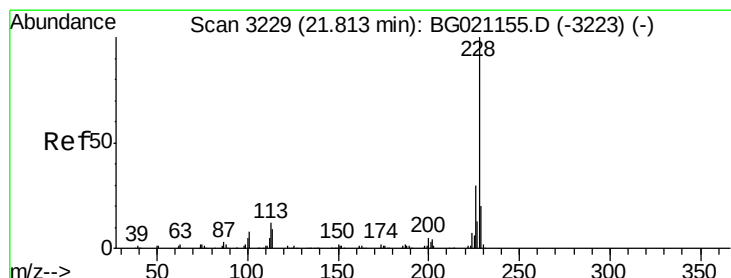
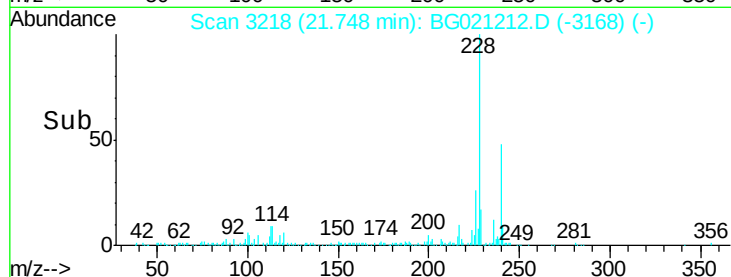
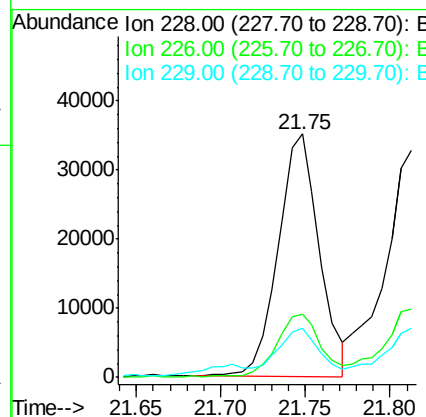
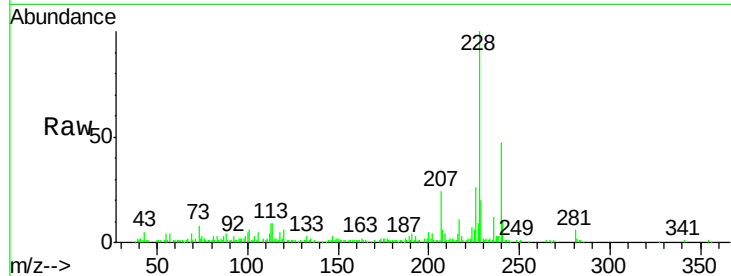
#80
Benzo(a)anthracene
Concen: 9.05 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.7	34.1
229	19.9	15.5	23.3

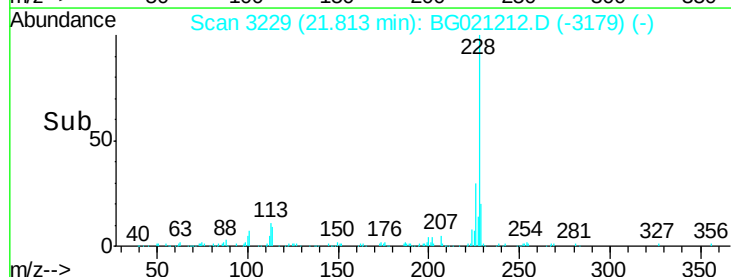
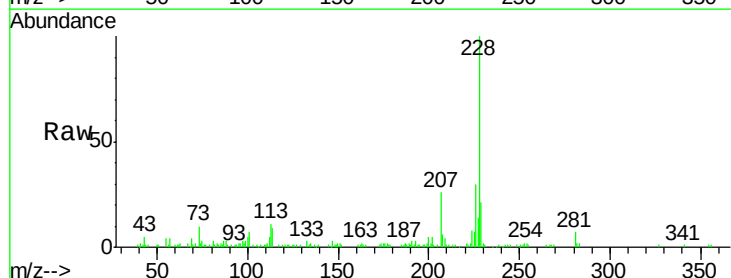
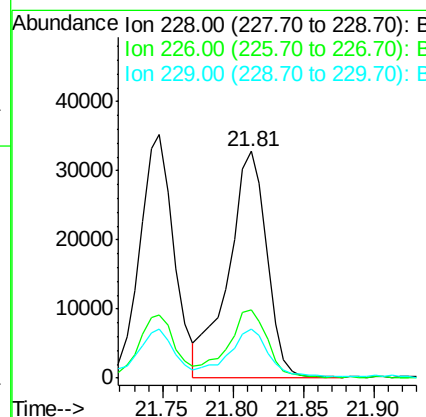
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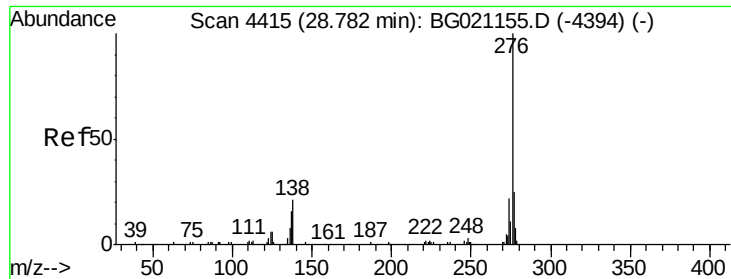
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#82
Chrysene
Concen: 10.07 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	21.4	16.7	25.1





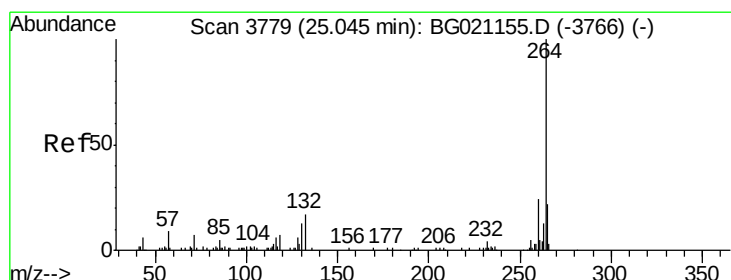
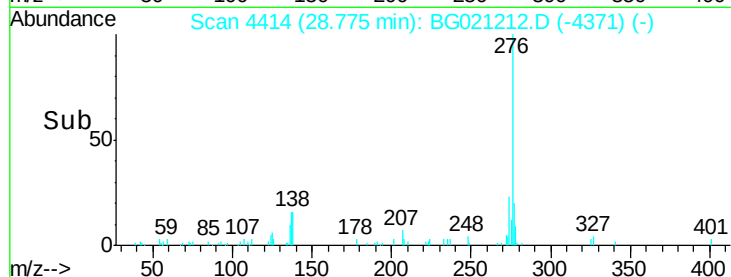
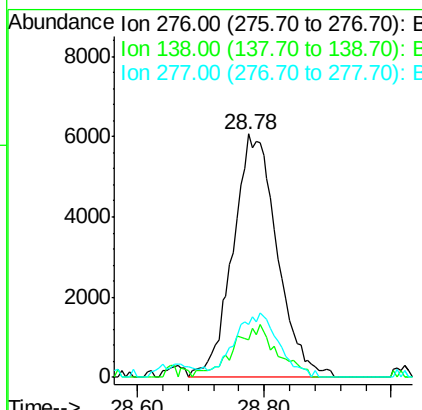
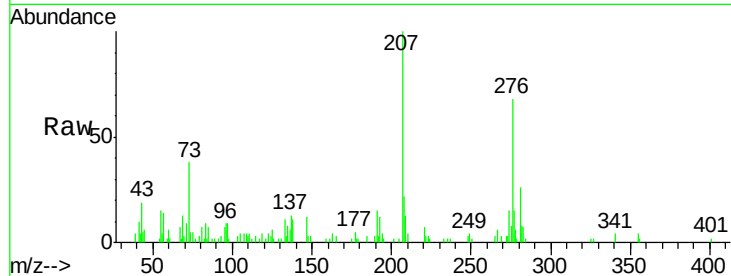
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.14 ng
 RT: 28.78 min Scan# 4414
 Delta R.T. -0.05 min
 Lab File: BG021212.D
 Acq: 2 Mar 2016 14:25

Instrument :
 BNA_G
 ClientSampleId :
 CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.0	24.0
277	25.9	16.0	24.0

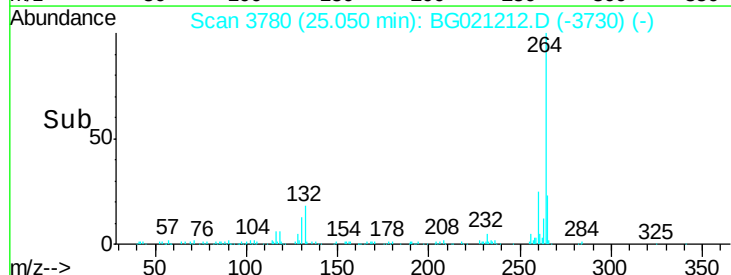
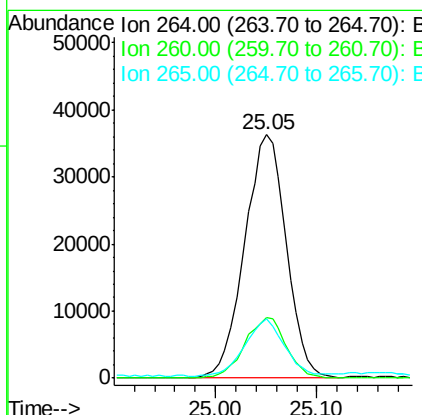
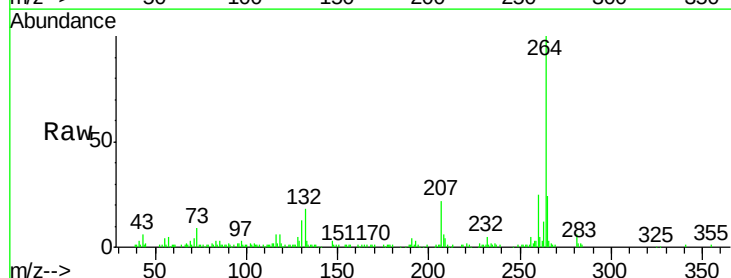
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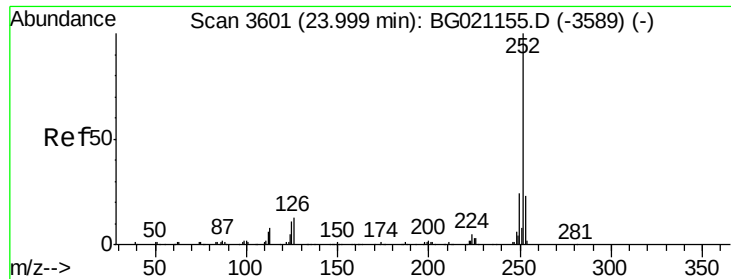
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3780
 Delta R.T. -0.01 min
 Lab File: BG021212.D
 Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.5	27.7
265	24.1	18.6	28.0





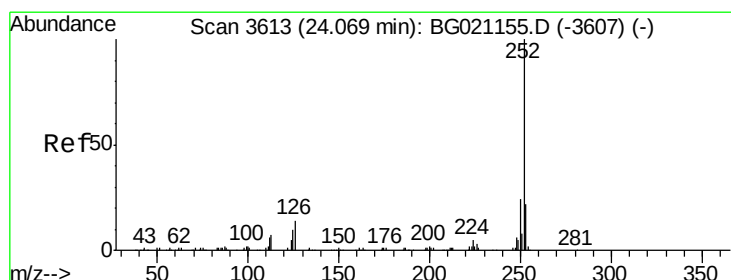
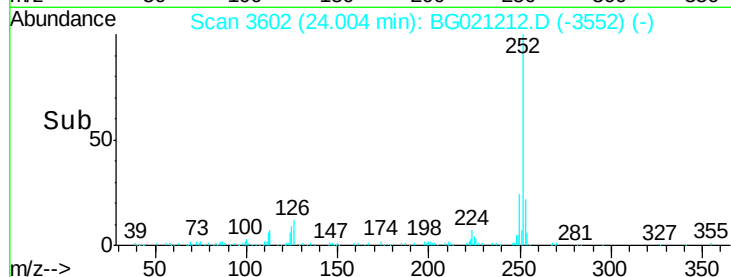
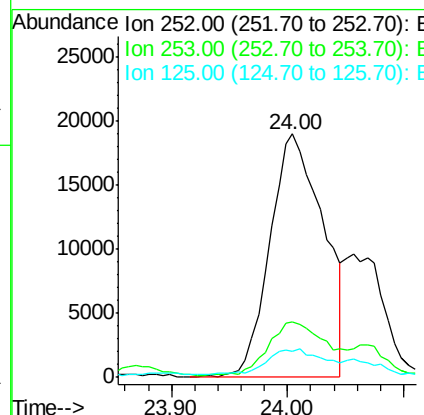
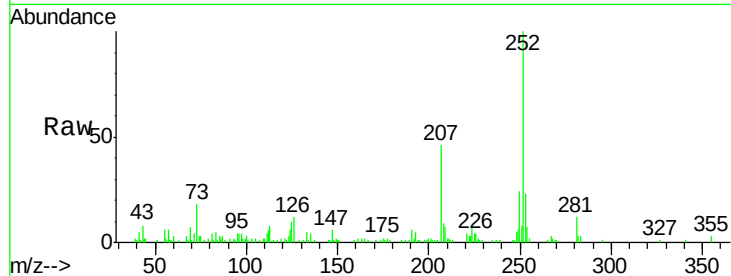
#87
Benzo(b)fluoranthene
Concen: 9.43 ng m
RT: 24.00 min Scan# 3602
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	10.5	8.2	12.2

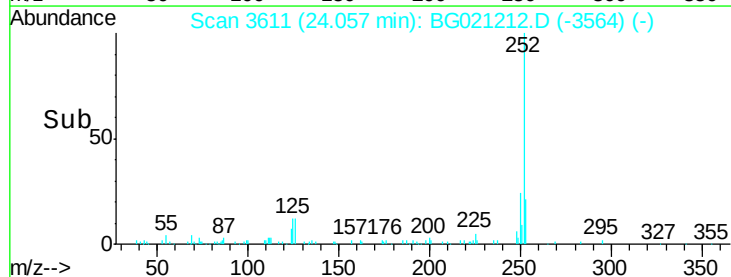
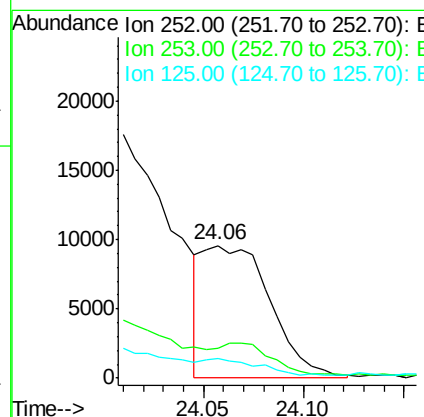
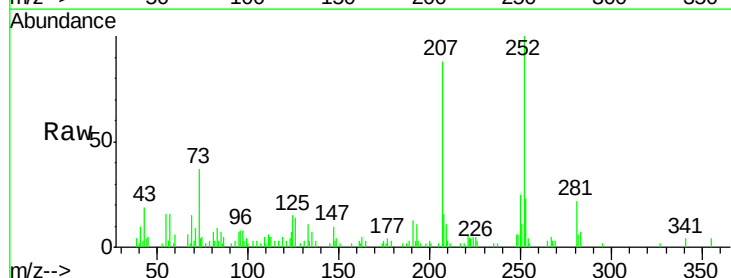
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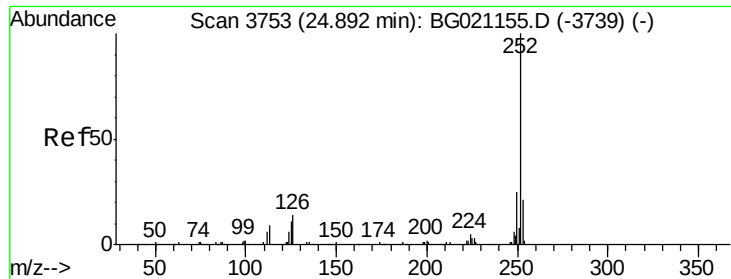
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#88
Benzo(k)fluoranthene
Concen: 3.41 ng m
RT: 24.06 min Scan# 3611
Delta R.T. -0.03 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.4	24.6
125	14.7	8.2	12.2#





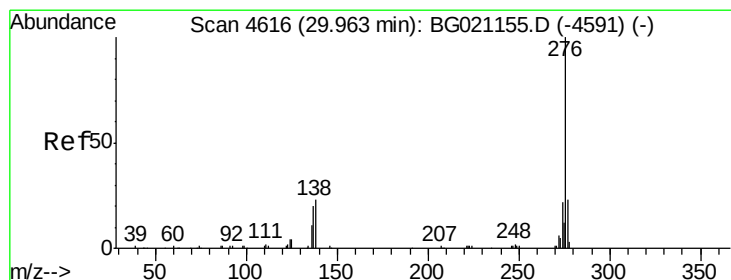
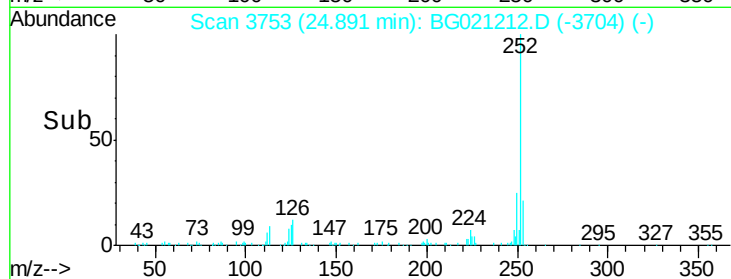
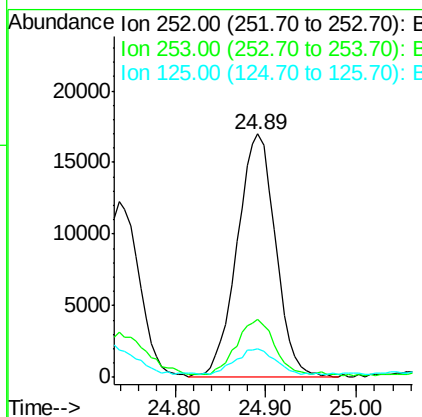
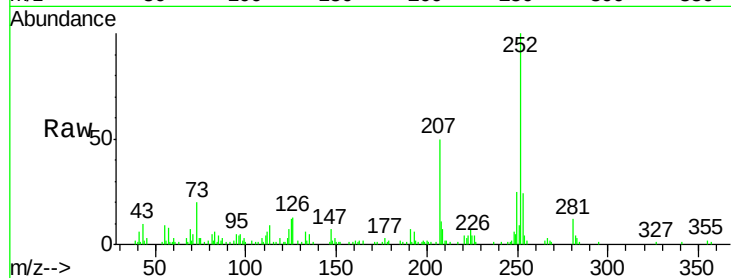
#89
Benzo(a)pyrene
Concen: 7.98 ng
RT: 24.89 min Scan# 3753
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224DL

Tot Ion:	252	Resp:	50115
Ion Ratio	Lower	Upper	
252	100		
253	23.6	15.8	23.8
125	12.0	8.4	12.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.68 ng
RT: 29.95 min Scan# 4614
Delta R.T. -0.05 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:	276	Resp:	28077
Ion Ratio	Lower	Upper	
276	100		
277	24.0	16.6	25.0
138	18.1	14.6	21.8

