Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021214.D
Acq On : 2 Mar 2016 15:44
Operator : UM/SJ
Sample : H1578-04RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
Sohil
3/3/2016 8:23:07 AM

Quant Time: Mar 03 00:23:27 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 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	12030	20.00	ng		-0.02
21) Naphthalene-d8	10.96	136	60434	20.00	ng		0.00
38) Acenaphthene-d10	14.76	164	37384	20.00	ng		0.00
63) Phenanthrene-d10	17.50	188	85197	20.00	ng		0.00
75) Chrysene-d12	21.77	240	89789	20.00	ng		0.00
86) Perylene-d12	25.05	264	85086	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.71	112	10597	14.00	ng		0.00
7) Phenol-d6	7.30	99	114169	91.75	ng		0.00
23) Nitrobenzene-d5	9.31	82	104934	73.47	ng		0.00
41) 2,4,6-Tribromophenol	16.23	330	1924	4.95	ng		0.00
44) 2-Fluorobiphenyl	13.38	172	187249	71.12	ng		0.00
78) Terphenyl-d14	20.09	244	248084	66.94	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.00	128	8924	2.83	ng		99
49) Dimethylphthalate	14.21	163	30987	9.30	ng		99
51) Acenaphthene	14.82	154	5519	2.23	ng		99
57) Fluorene	15.80	166	8581	2.72	ng	#	95
70) Phenanthrene	17.54	178	117472	25.55	ng		99
71) Anthracene	17.63	178	21697m	4.61	ng		
74) Fluoranthene	19.54	202	137130	25.39	ng		98
77) Pyrene	19.90	202	141089	26.34	ng		98
80) Benzo(a)anthracene	21.75	228	66839	12.57	ng		97
82) Chrysene	21.81	228	63871	12.68	ng		99
85) Indeno(1,2,3-cd)pyrene	28.80	276	34871m	6.04	ng		
87) Benzo(b)fluoranthene	24.01	252	75320	14.07	ng	#	93
88) Benzo(k)fluoranthene	24.07	252	20614m	3.85	ng		
89) Benzo(a)pyrene	24.89	252	58348	11.28	ng	#	93
91) Benzo(g,h,i)perylene	29.97	276	34841	7.05	ng		94

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021214.D
Acq On : 2 Mar 2016 15:44
Operator : UM/SJ
Sample : H1578-04RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 03 00:23:27 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 11:46:16 2016
Response via : Initial Calibration

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

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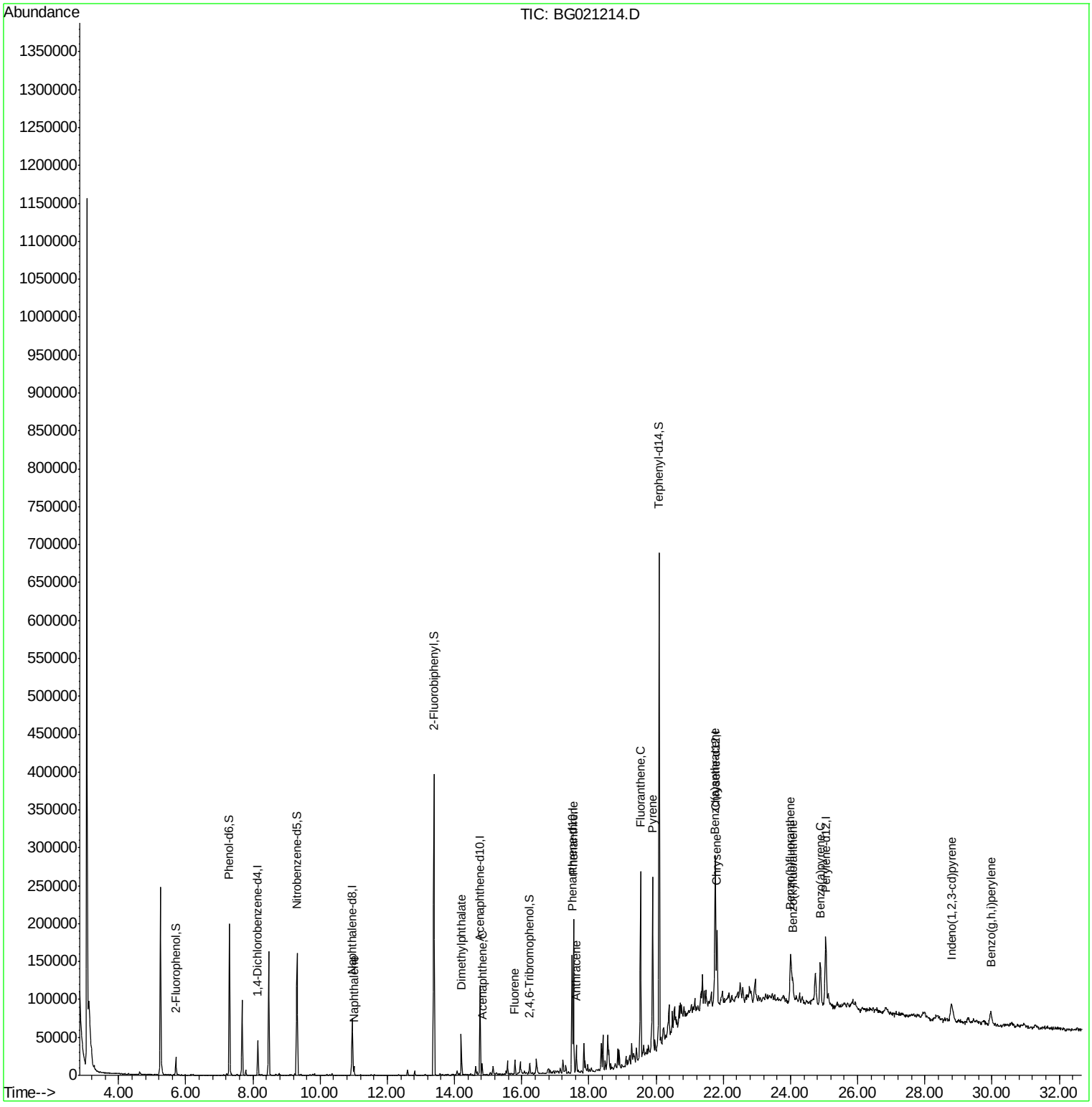

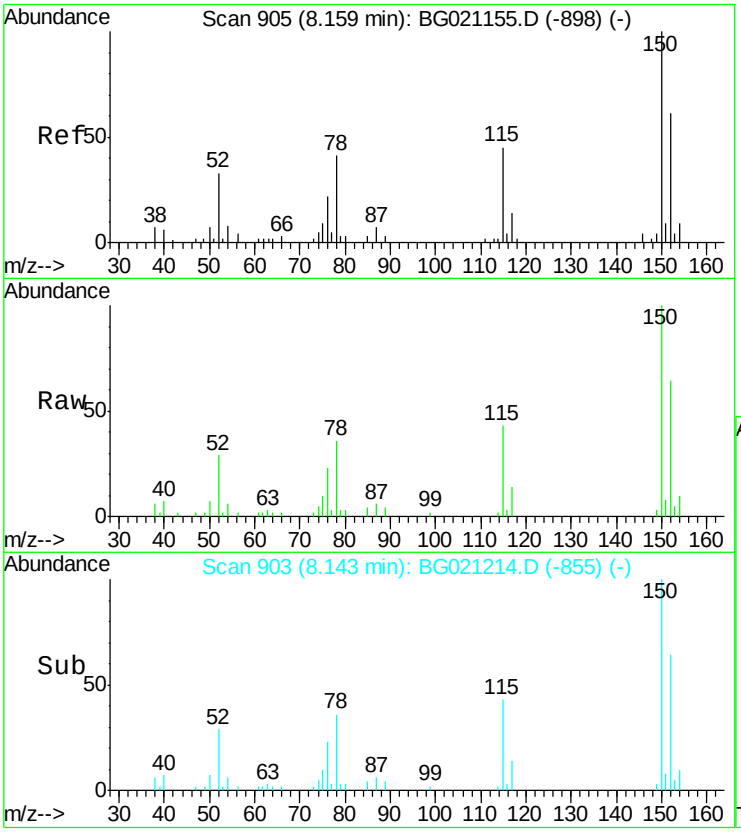

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.02 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:152 Resp: 12030

Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.4	185.2
115	66.8	43.3	64.9#

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

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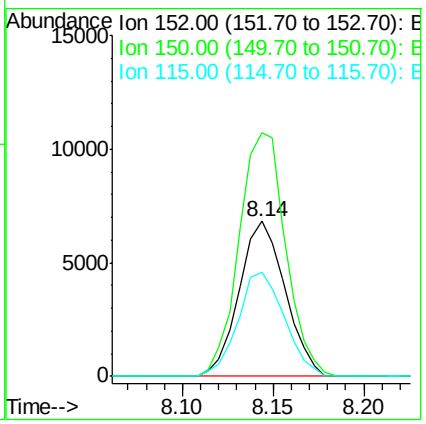
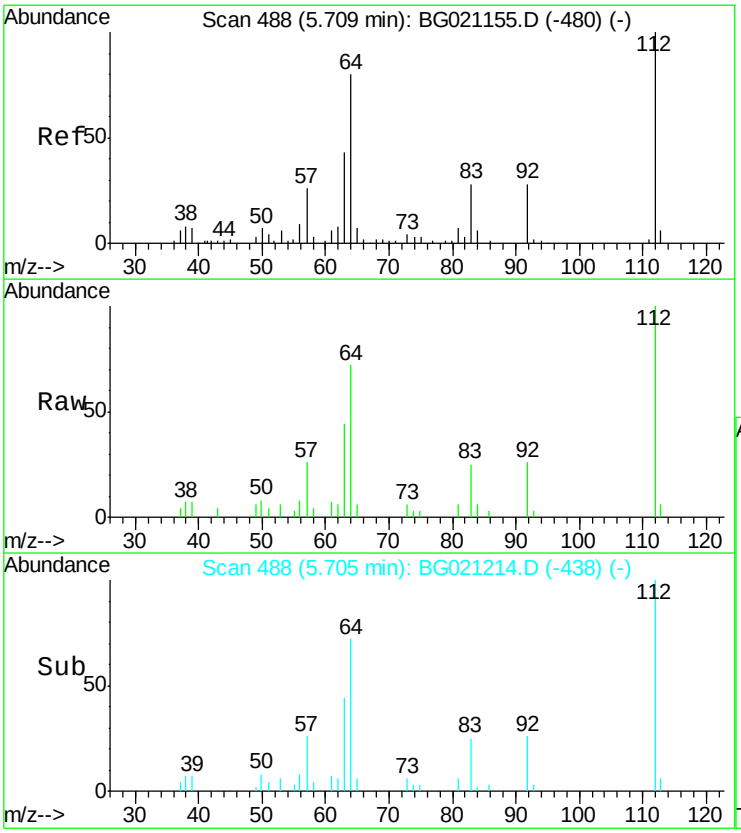
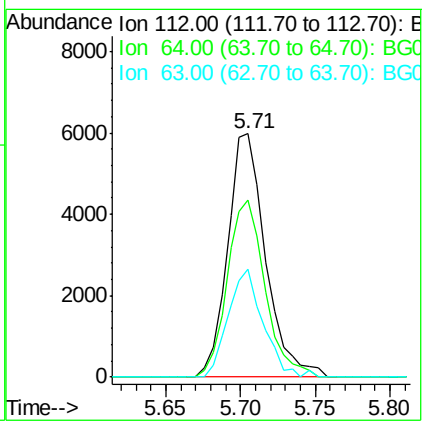


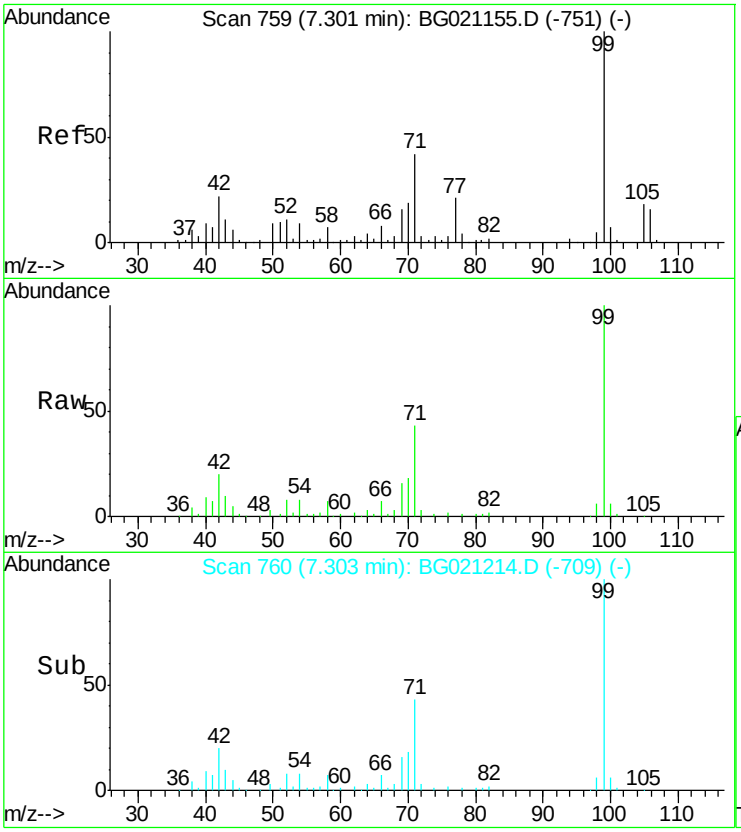


#5
2-Fluorophenol
Concen: 14.00 ng
RT: 5.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:112 Resp: 10597

Ion	Ratio	Lower	Upper
112	100		
64	72.5	42.6	63.8#
63	44.1	21.7	32.5#





#7
Phenol-d6
Concen: 91.75 ng
RT: 7.30 min Scan# 760
Delta R.T. 0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion: 99 Resp: 114169

Ion	Ratio	Lower	Upper
99	100		
42	20.1	13.2	19.8#
71	42.6	25.2	37.8#

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

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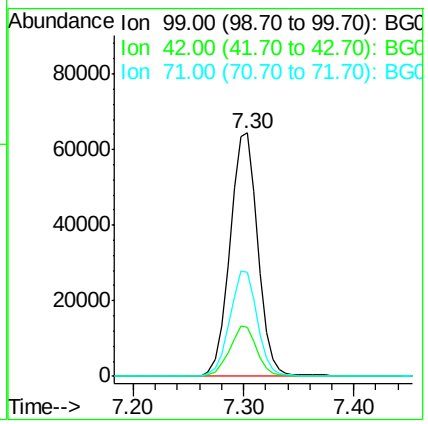
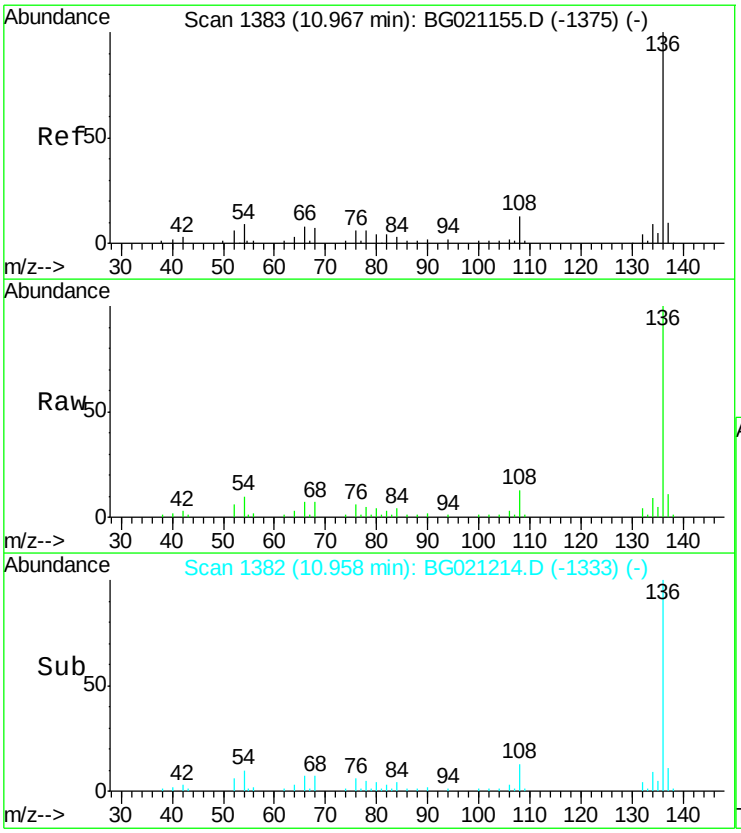
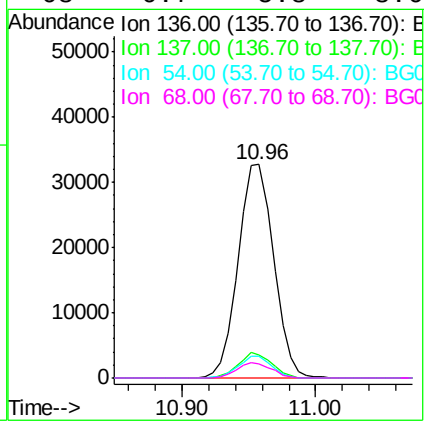


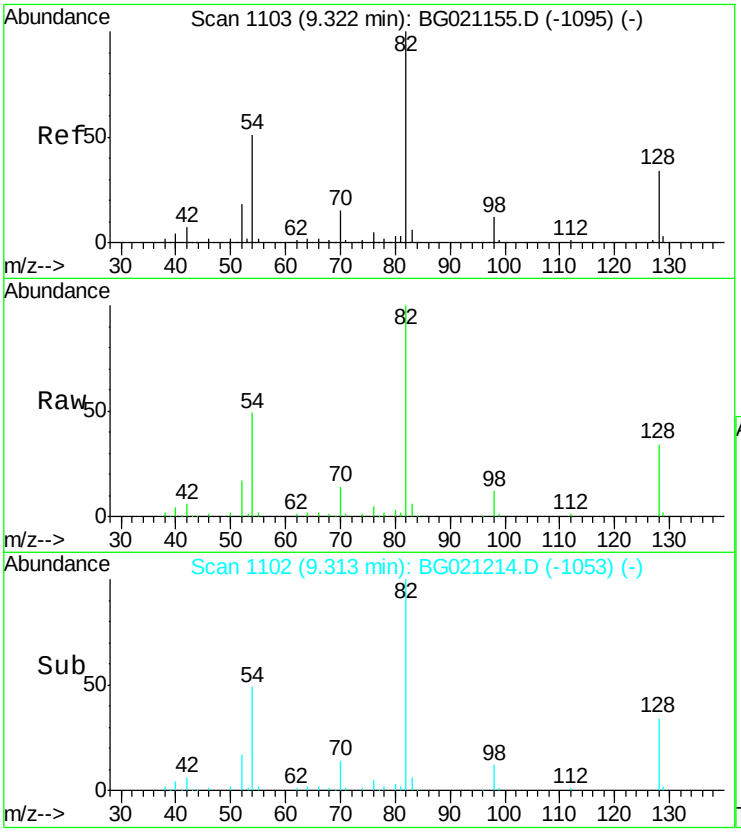


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:136 Resp: 60434

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.4	6.9	10.3#
68	6.7	5.8	8.6

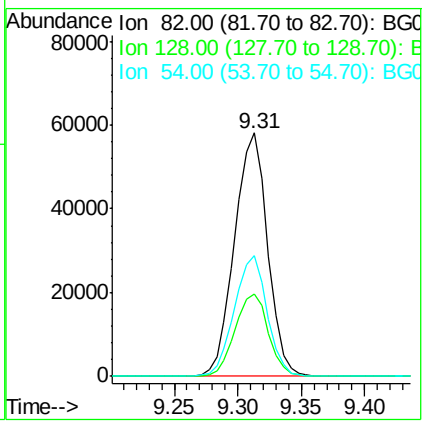




#23
Nitrobenzene-d5
Concen: 73.47 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion: 82 Resp: 104934

Ion	Ratio	Lower	Upper
82	100		
128	33.9	36.3	54.5#
54	49.5	37.6	56.4



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

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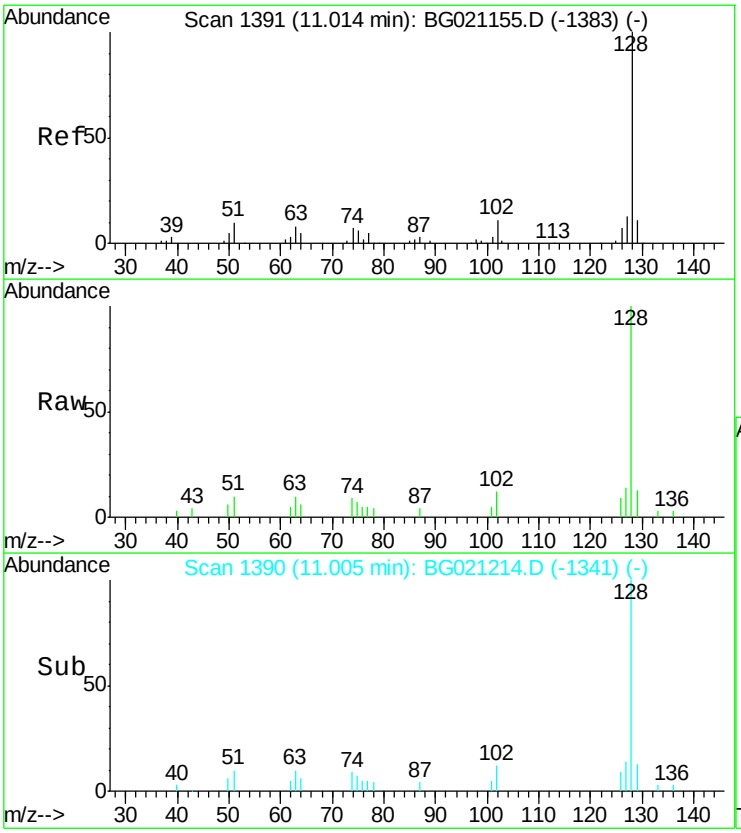
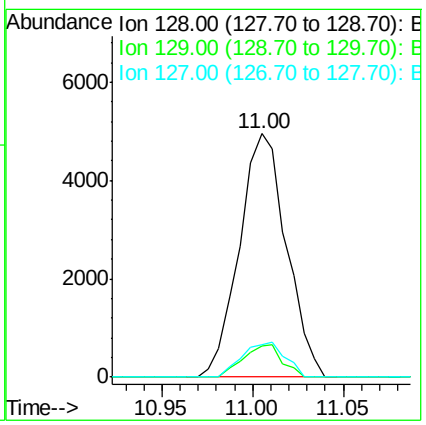
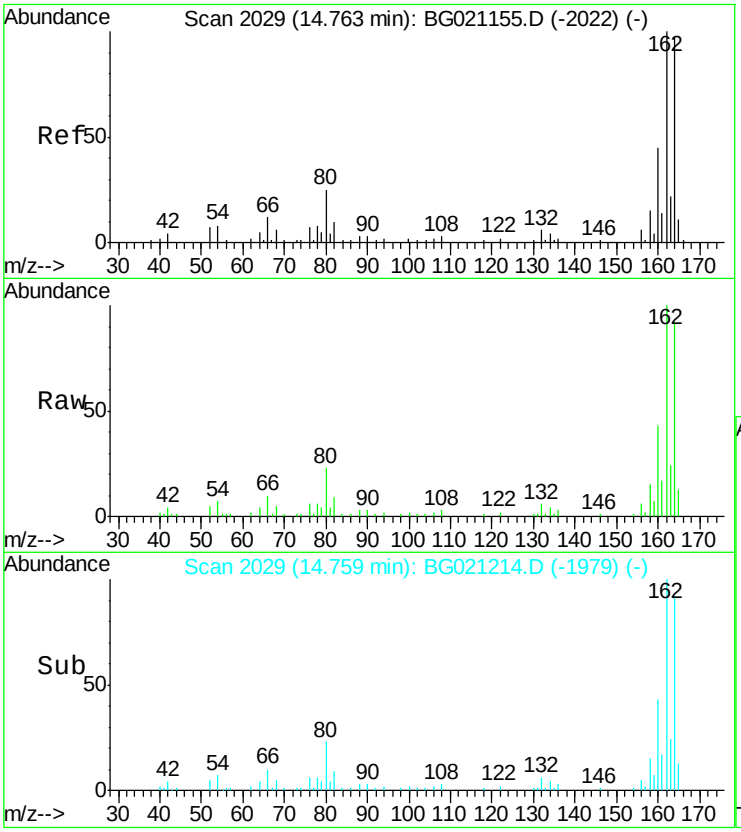


#31
Naphthalene
Concen: 2.83 ng
RT: 11.00 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:128 Resp: 8924

Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.4	14.2
127	13.5	10.8	16.2

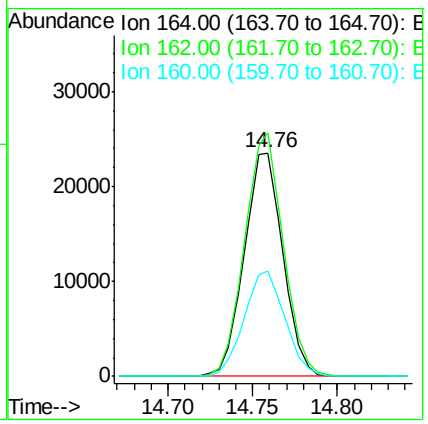




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:164 Resp: 37384

Ion	Ratio	Lower	Upper
164	100		
162	108.8	80.6	120.8
160	47.2	36.5	54.7



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

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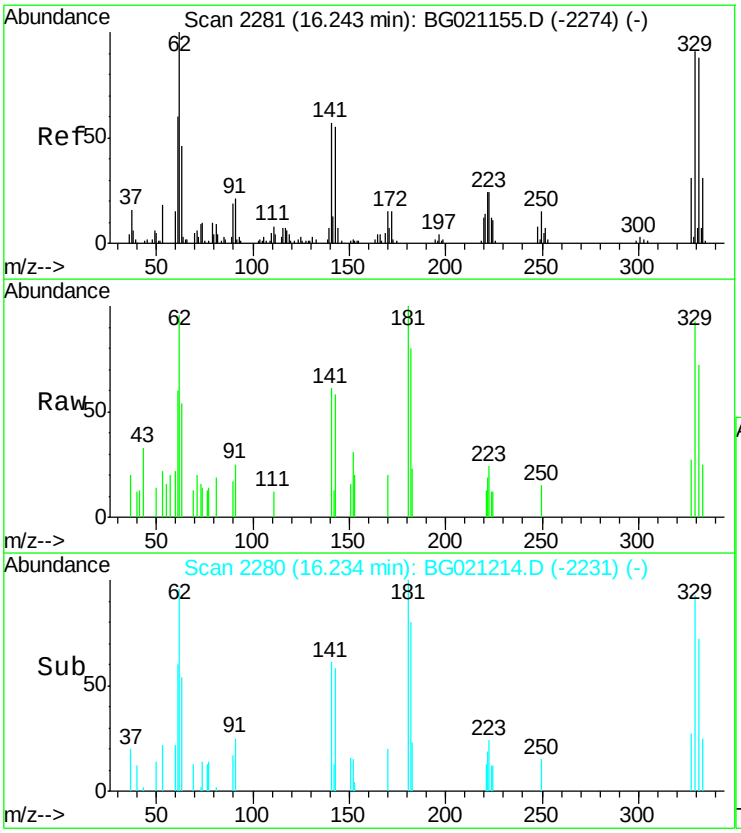
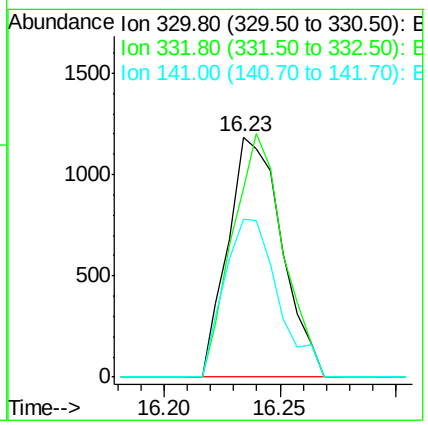
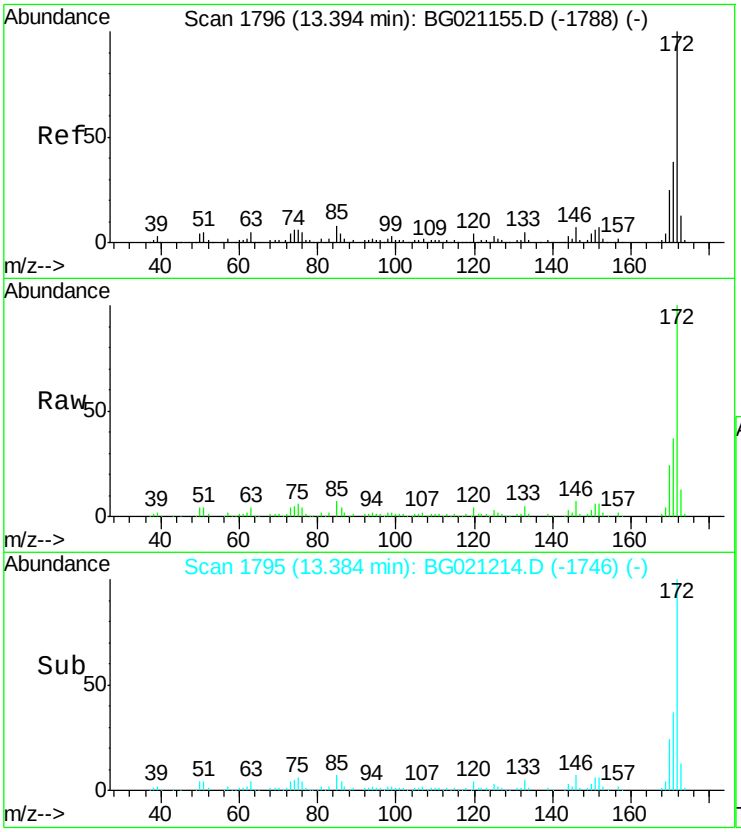


#41
2,4,6-Tribromophenol
Concen: 4.95 ng
RT: 16.23 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:330 Resp: 1924

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.0
141	65.9	35.3	52.9#





#44
2-Fluorobiphenyl
Concen: 71.12 ng
RT: 13.38 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:172 Resp: 187249

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.0	19.8	29.8

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

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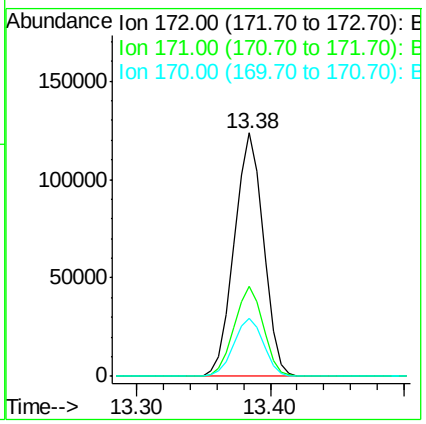
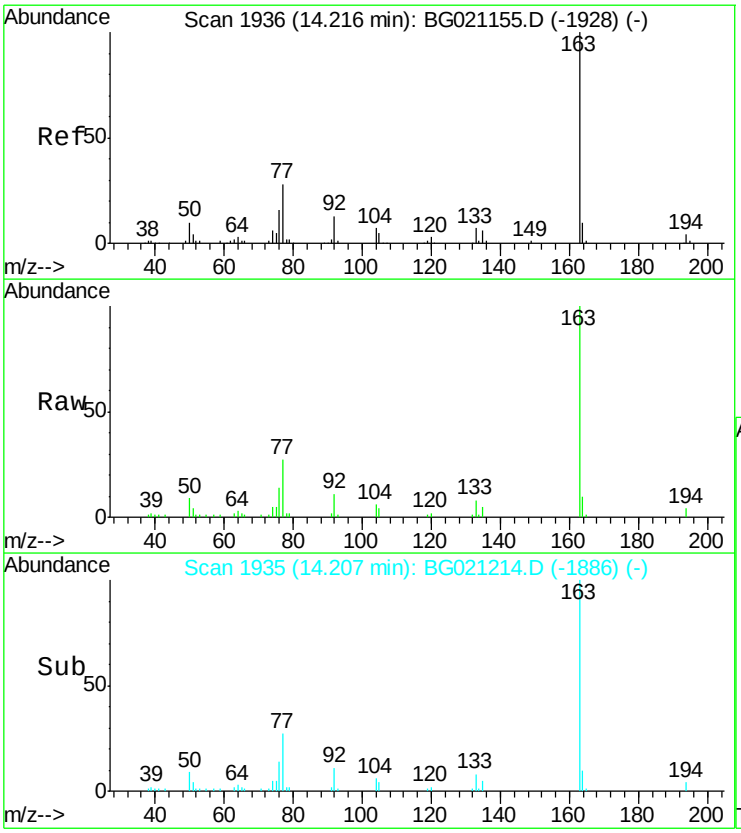
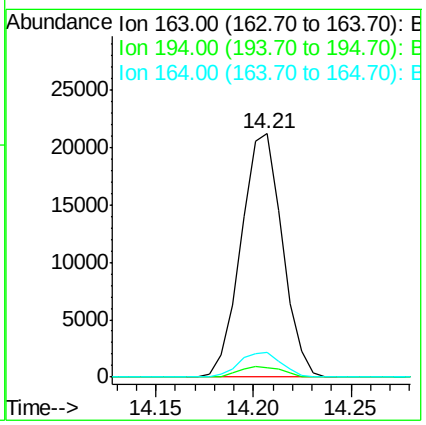


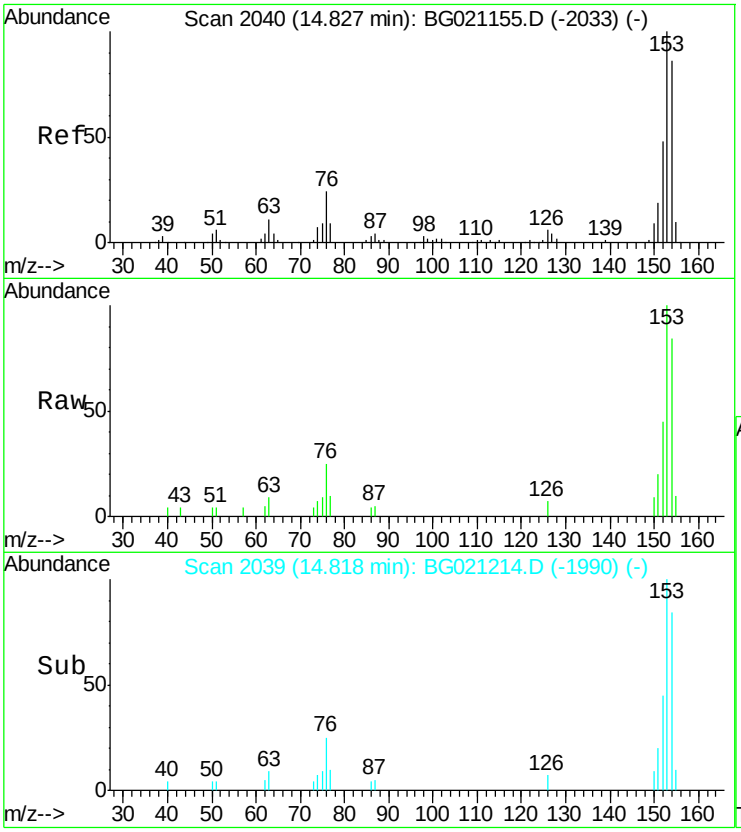


#49
Dimethylphthalate
Concen: 9.30 ng
RT: 14.21 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:163 Resp: 30987

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	10.4	7.9	11.9

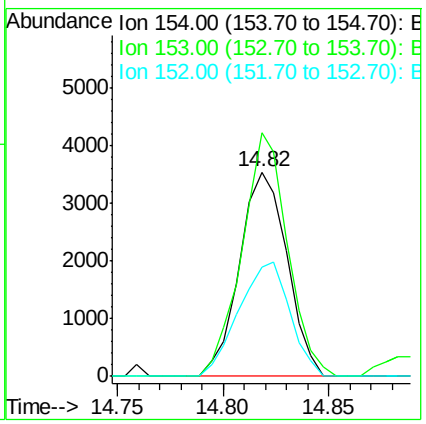




#51
Acenaphthene
Concen: 2.23 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:154 Resp: 5519

Ion	Ratio	Lower	Upper
154	100		
153	119.3	94.2	141.2
152	53.2	42.9	64.3



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

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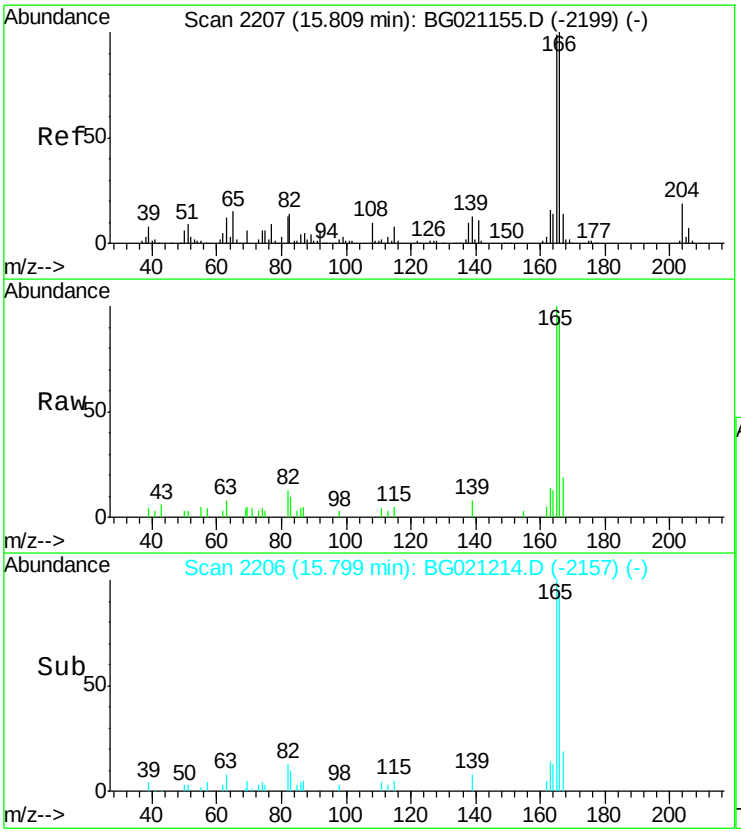
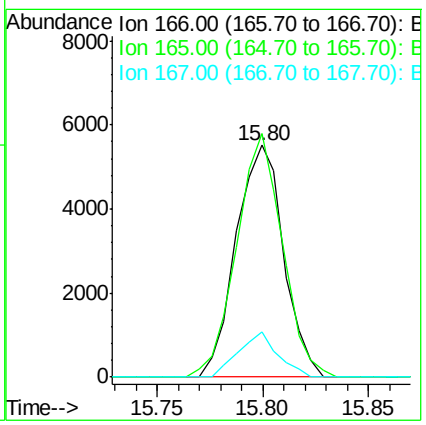
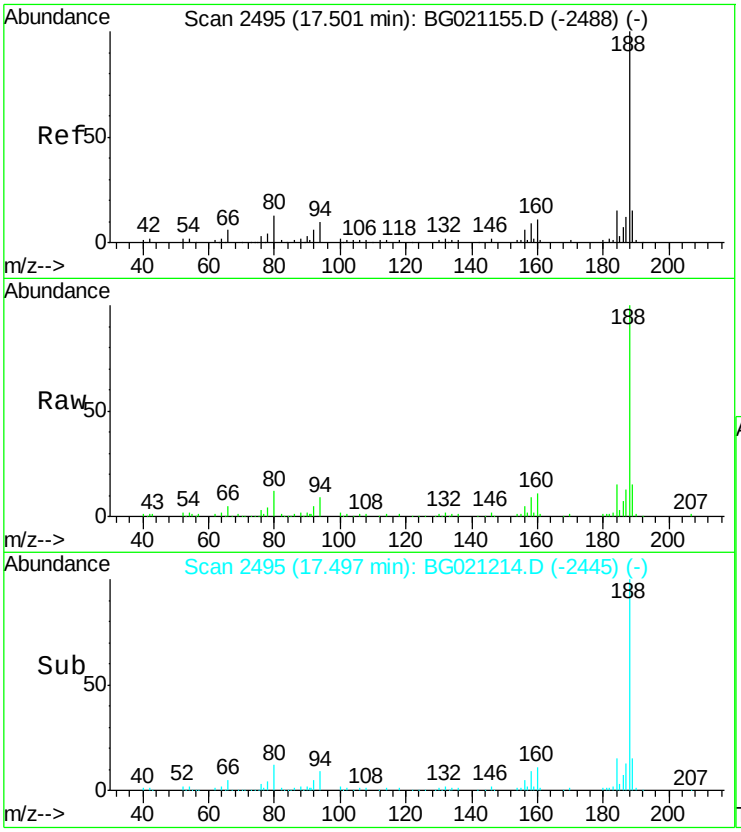


#57
Fluorene
Concen: 2.72 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:166 Resp: 8581

Ion	Ratio	Lower	Upper
166	100		
165	105.0	81.3	121.9
167	19.5	10.6	16.0#

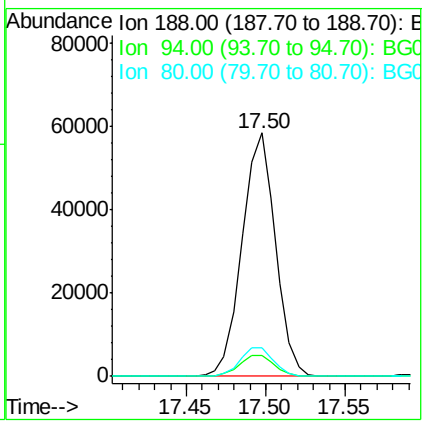




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2495
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:188 Resp: 85197

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.4
80	11.9	9.2	13.8



Instrument :
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CEB-8(2.5-5)20160224RE

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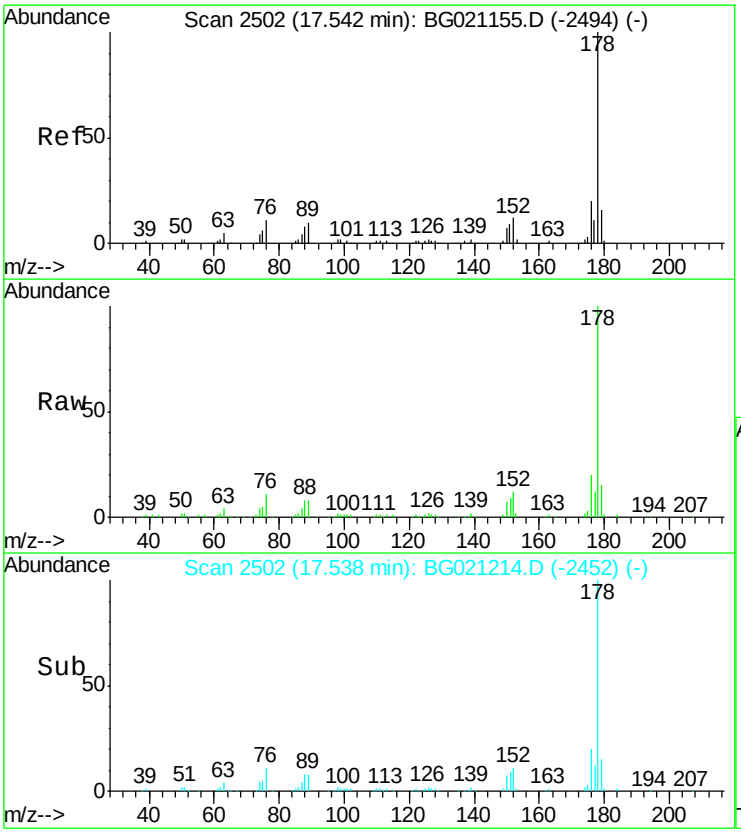
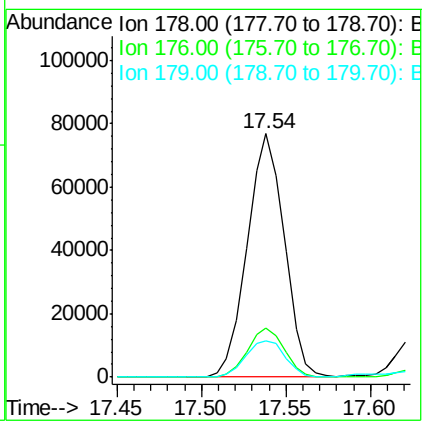
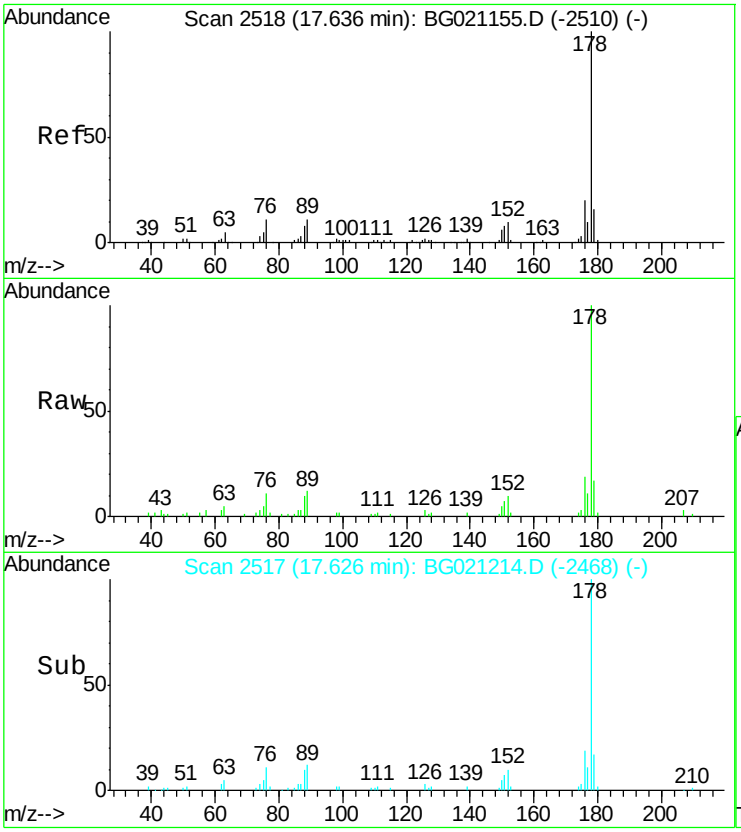


#70
Phenanthrene
Concen: 25.55 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:178 Resp: 117472

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	14.9	12.9	19.3

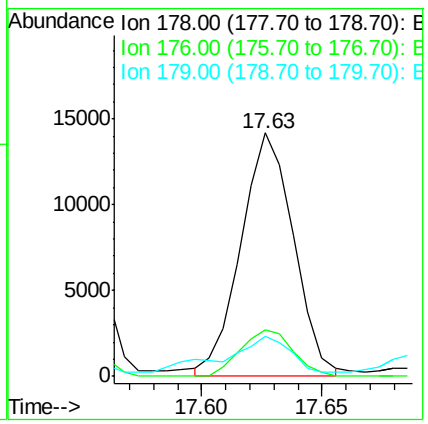




#71
Anthracene
Concen: 4.61 ng m
RT: 17.63 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:178 Resp: 21697

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	16.6	12.6	19.0



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

Manual Integrations APPROVED
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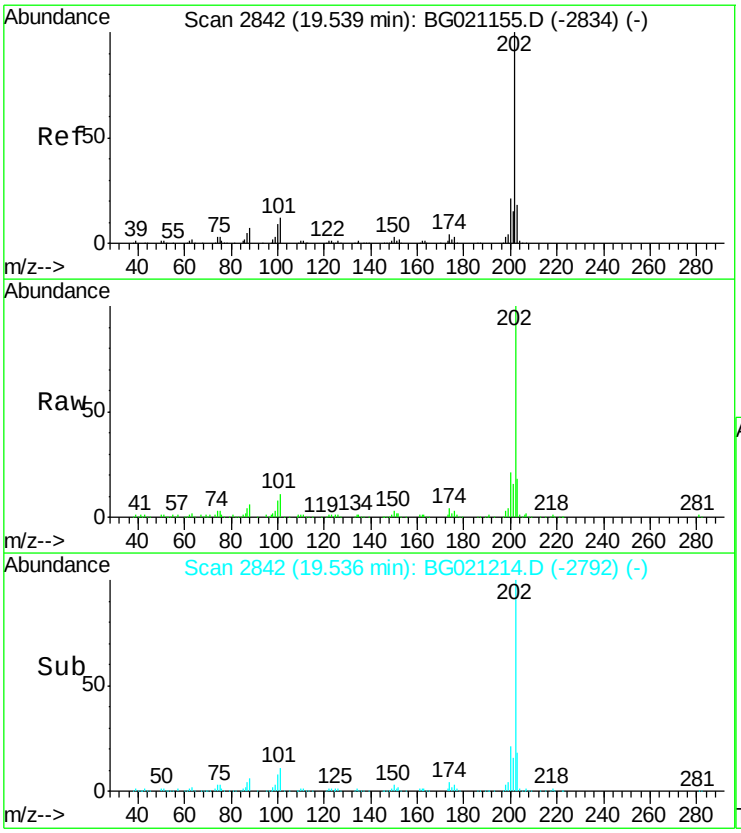
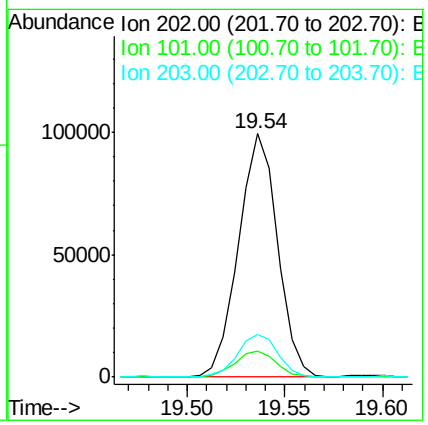
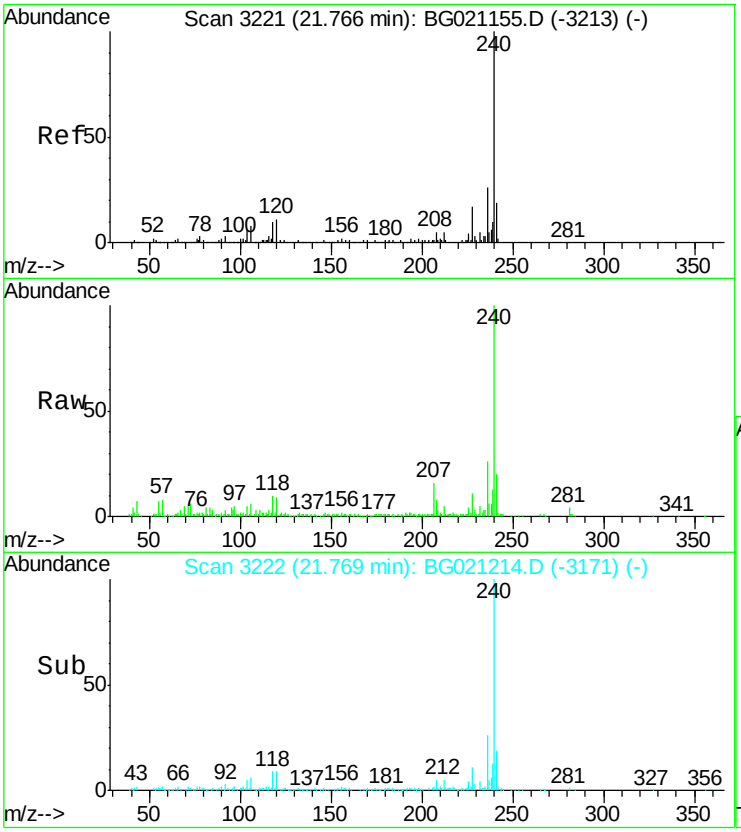


#74
Fluoranthene
Concen: 25.39 ng
RT: 19.54 min Scan# 2842
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:202 Resp: 137130

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.5
203	17.6	0.0	37.6

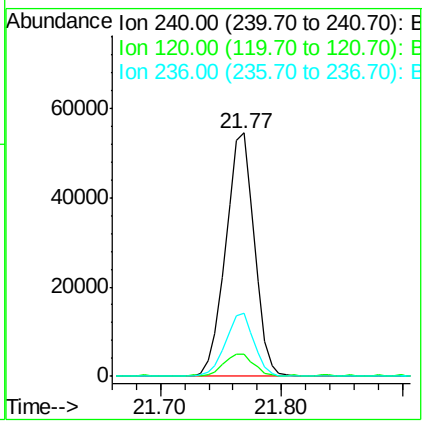




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.77 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:240 Resp: 89789

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.5	11.3
236	26.0	20.5	30.7



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

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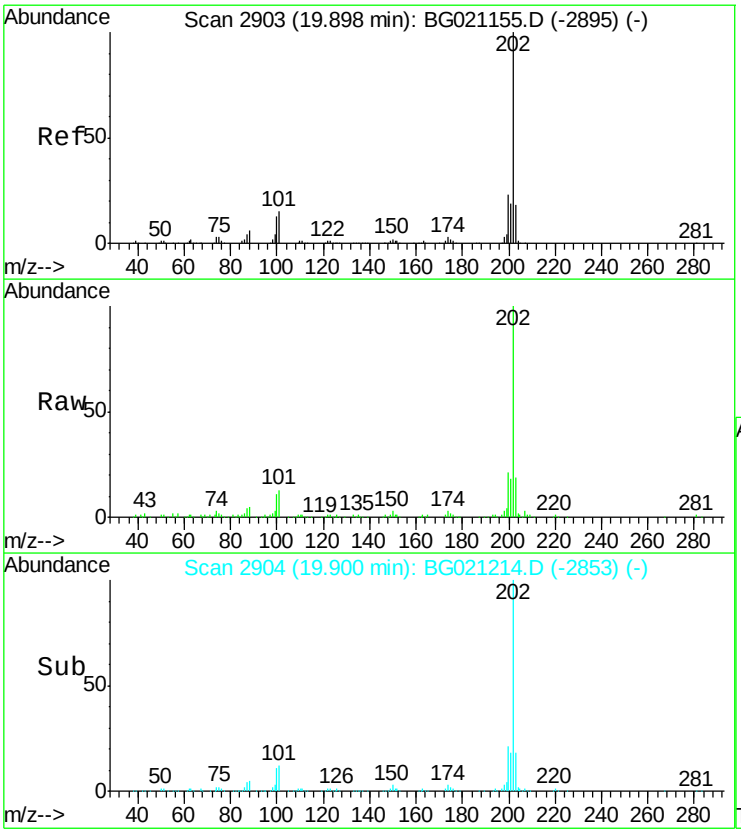
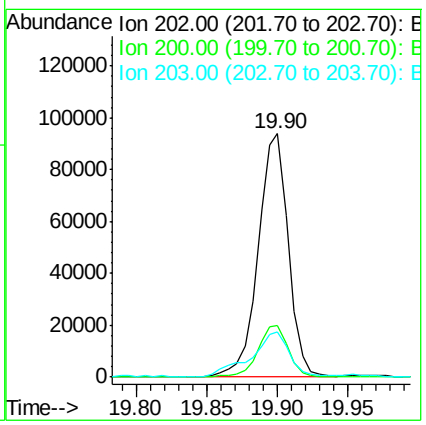
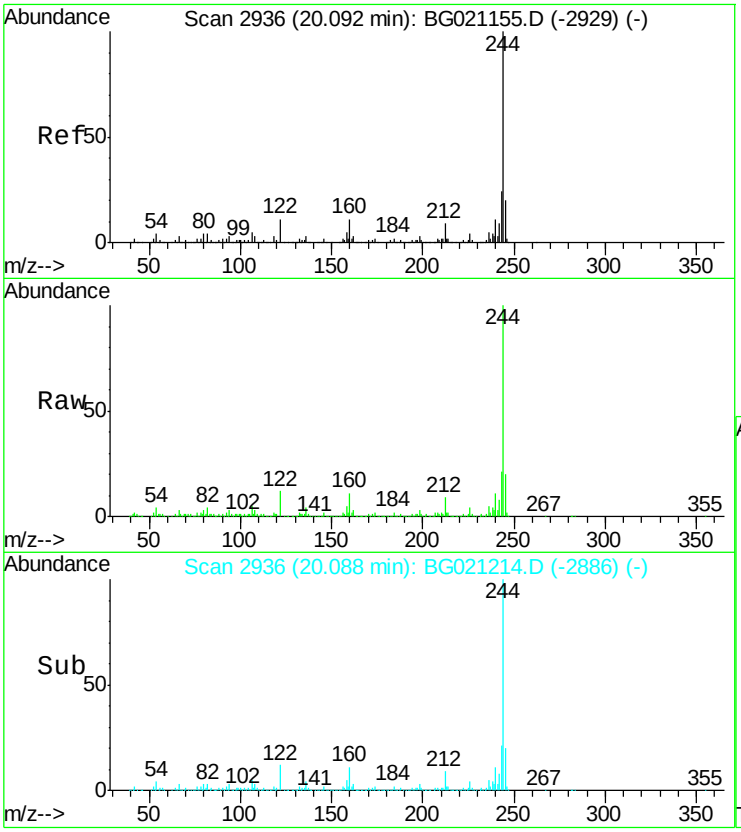


#77
Pyrene
Concen: 26.34 ng
RT: 19.90 min Scan# 2904
Delta R.T. 0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:202 Resp: 141089

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	18.7	13.8	20.8

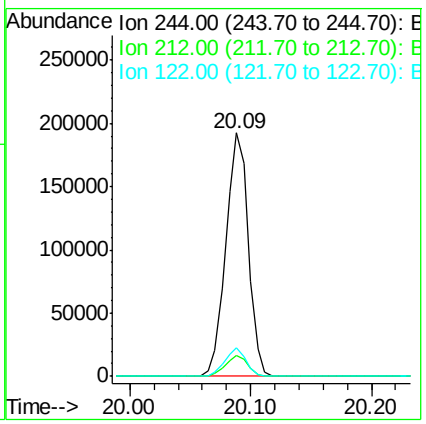




#78
Terphenyl-d14
Concen: 66.94 ng
RT: 20.09 min Scan# 2936
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:244 Resp: 248084

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.6
122	11.7	8.3	12.5



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

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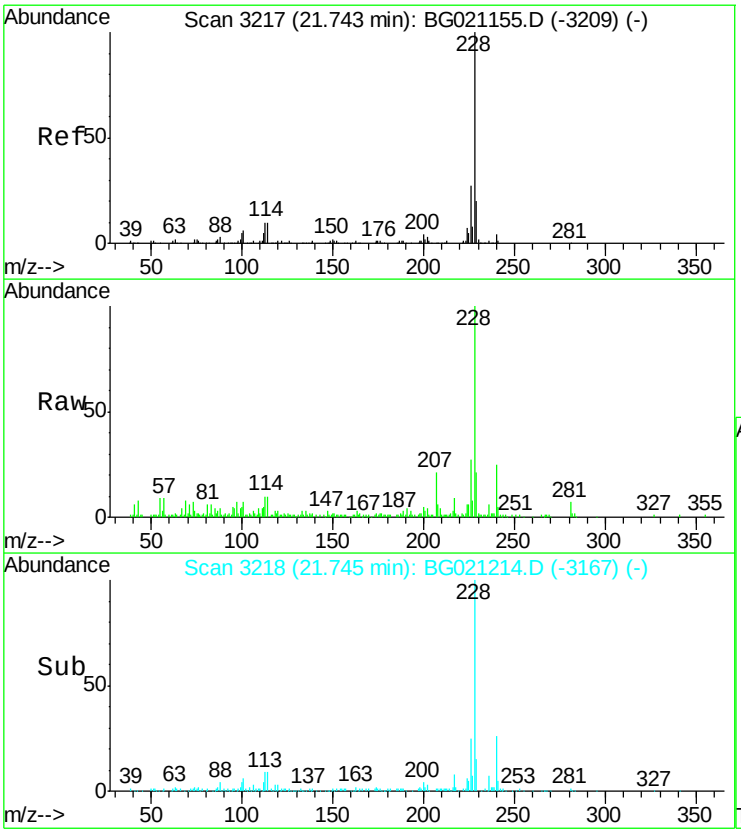
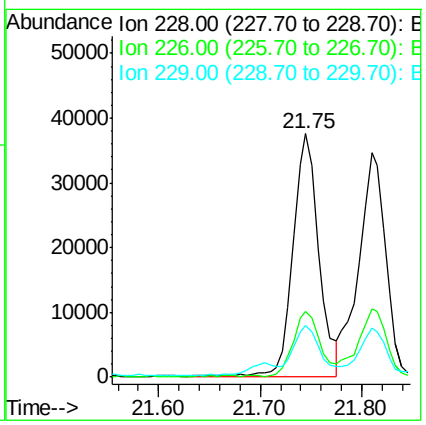
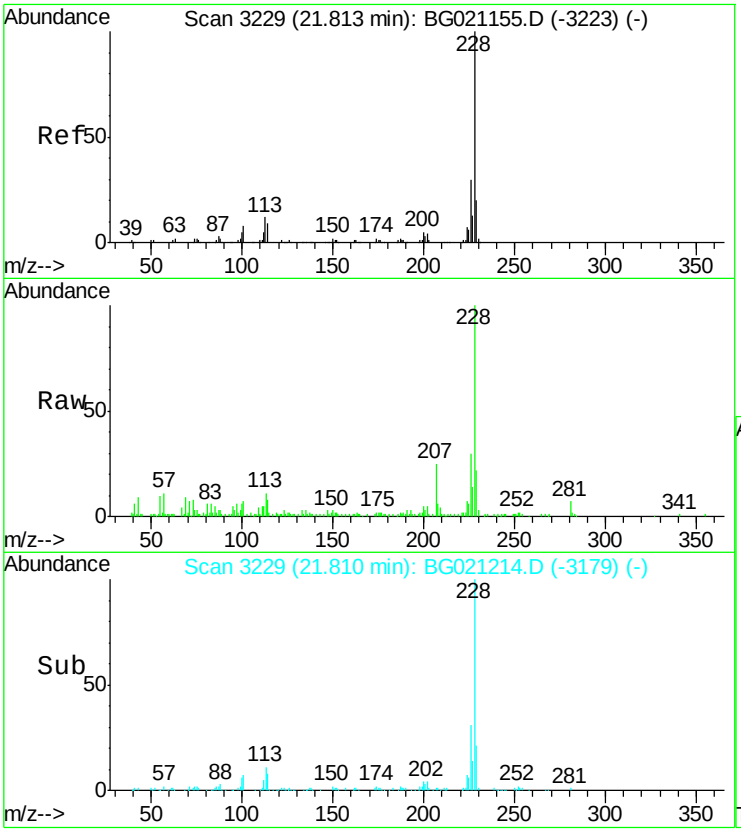


#80
Benzo(a)anthracene
Concen: 12.57 ng
RT: 21.75 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:228 Resp: 66839

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.7	34.1
229	21.2	15.5	23.3

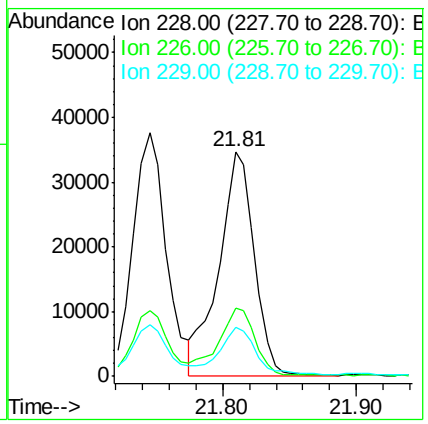




#82
Chrysene
Concen: 12.68 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:228 Resp: 63871

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	21.6	16.7	25.1



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

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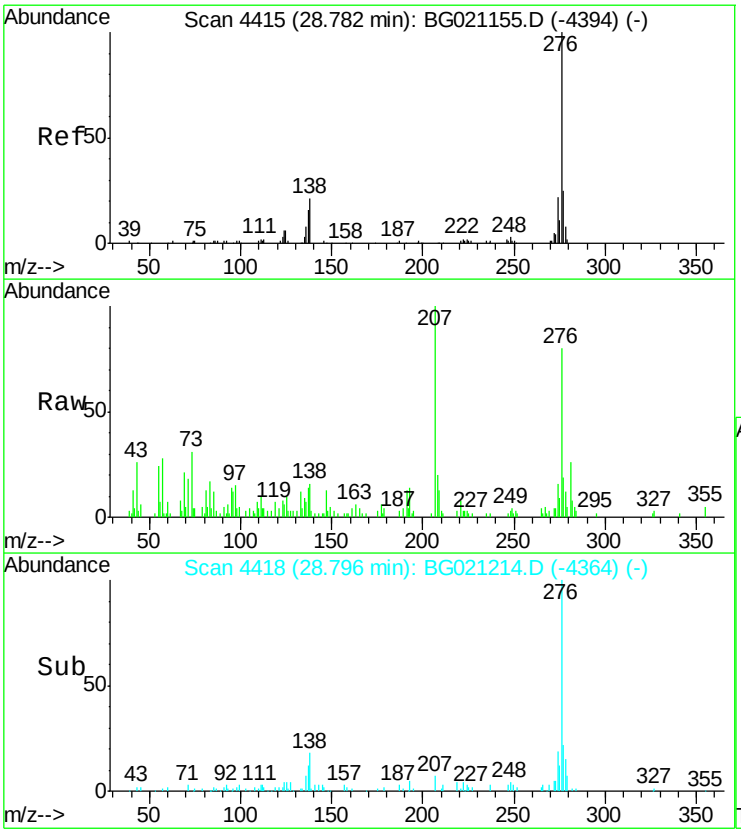
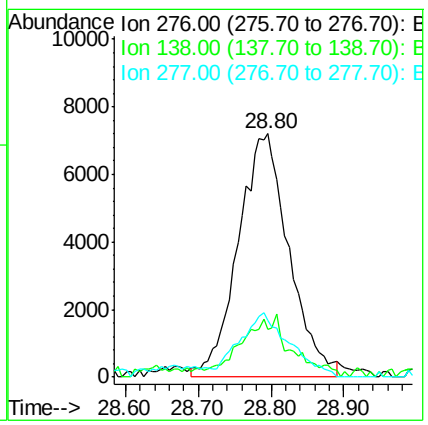
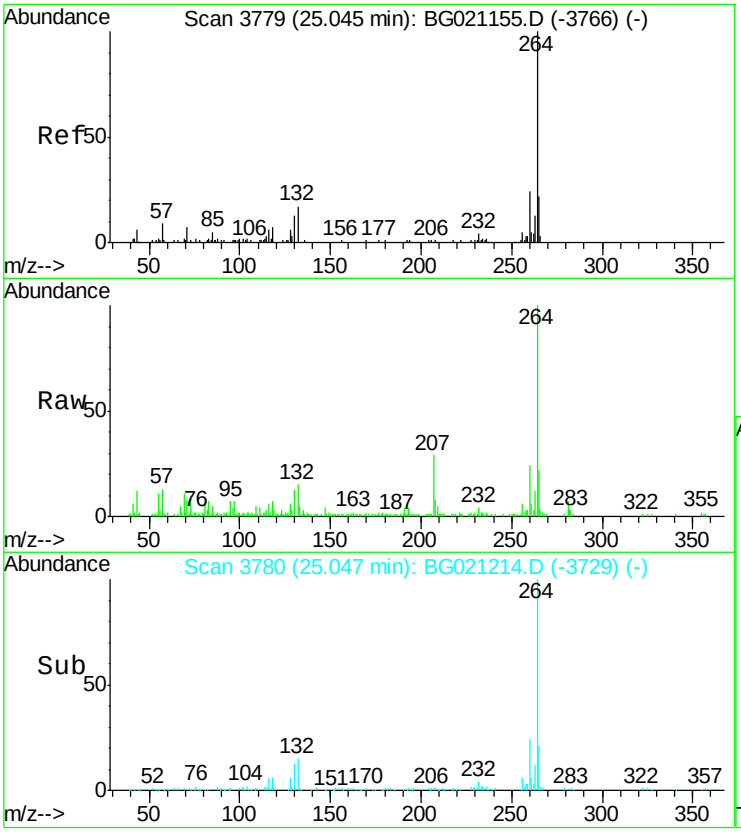


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.04 ng m
RT: 28.80 min Scan# 4418
Delta R.T. 0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:276 Resp: 34871

Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.0	24.0
277	26.1	16.0	24.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3780
Delta R.T. 0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:264 Resp: 85086

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	22.2	18.6	28.0

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

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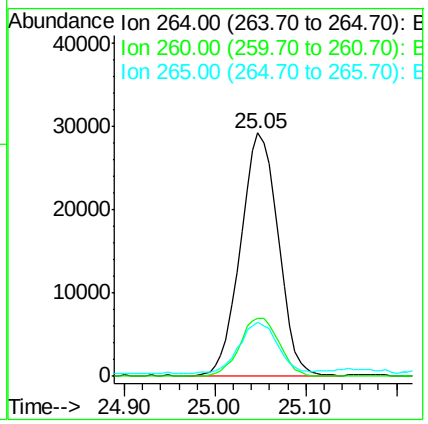
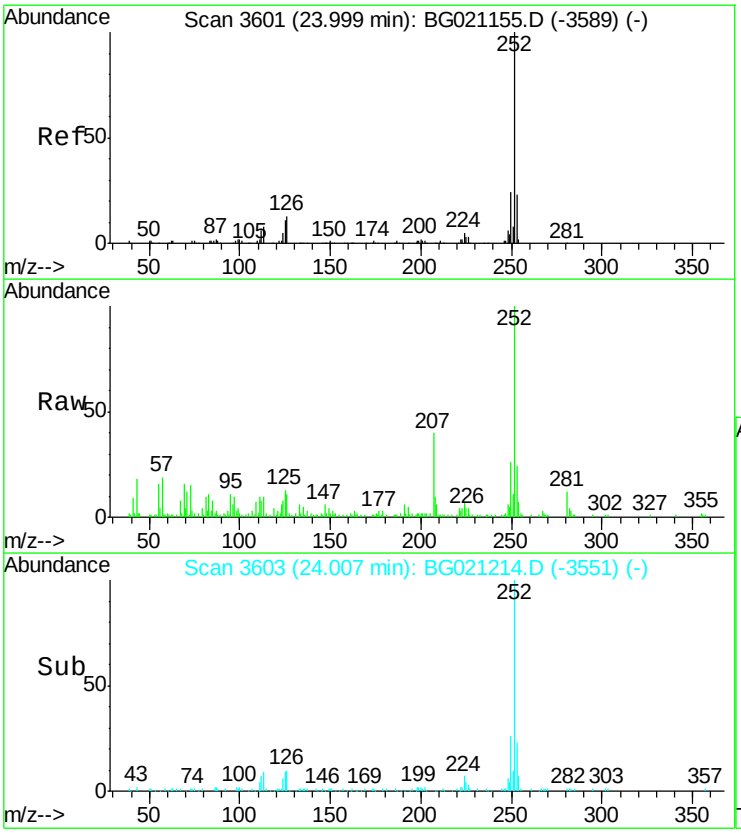
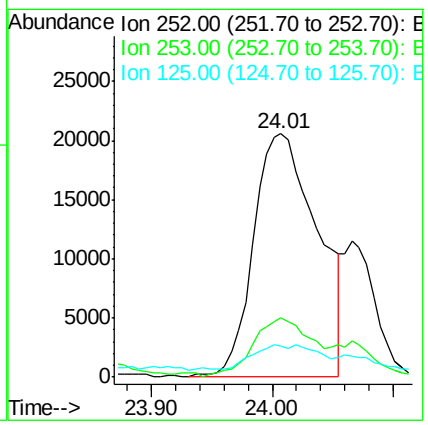


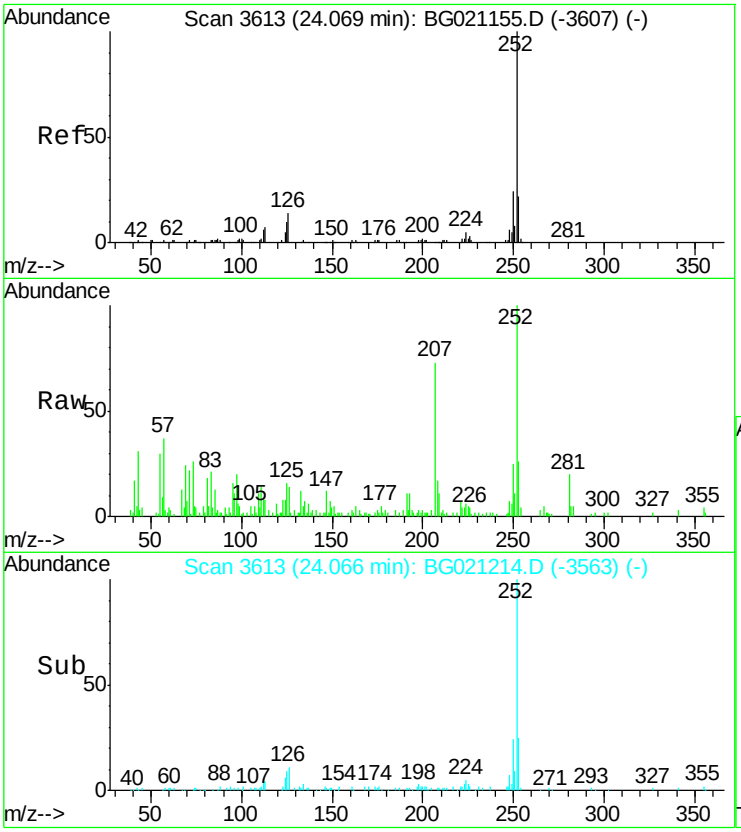


#87
Benzo(b)fluoranthene
Concen: 14.07 ng
RT: 24.01 min Scan# 3603
Delta R.T. 0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:252 Resp: 75320

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.8	25.2
125	12.6	8.2	12.2#





#88
Benzo(k)fluoranthene
Concen: 3.85 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:252 Resp: 20614

Ion	Ratio	Lower	Upper
252	100		
253	26.2	16.4	24.6#
125	15.8	8.2	12.2#

Instrument :
BNA_G
ClientSampleId :
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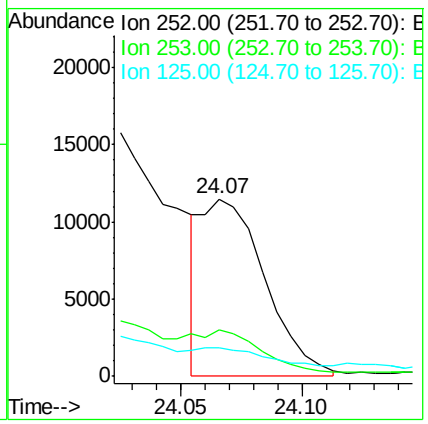
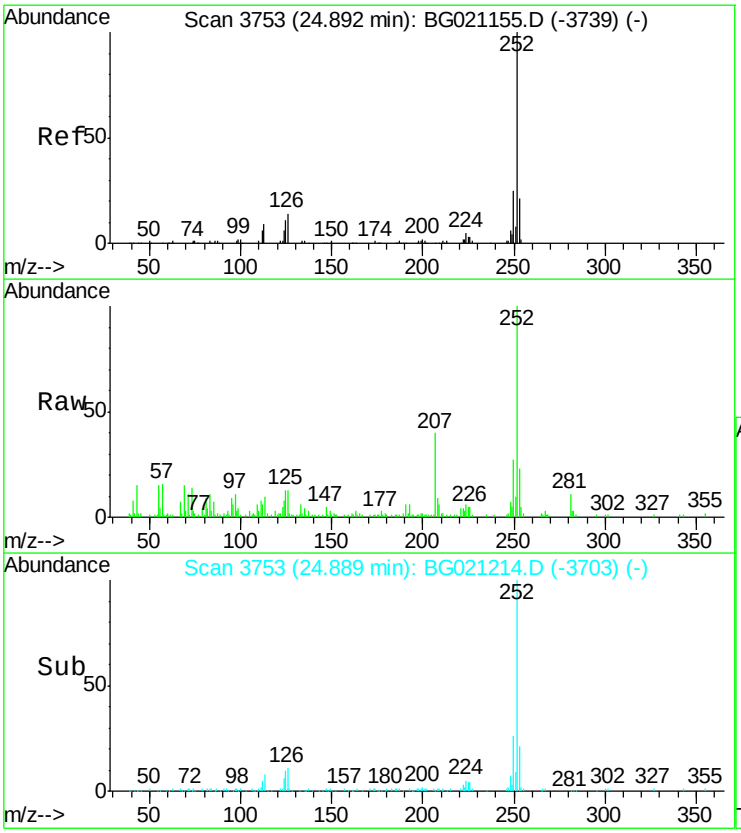
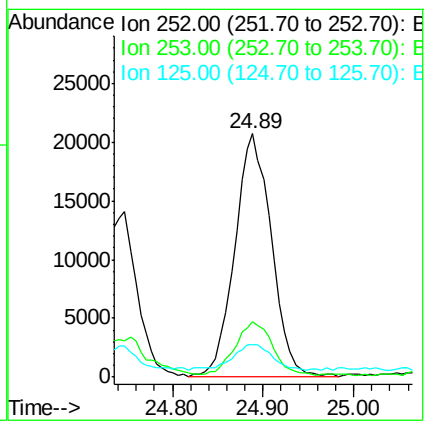


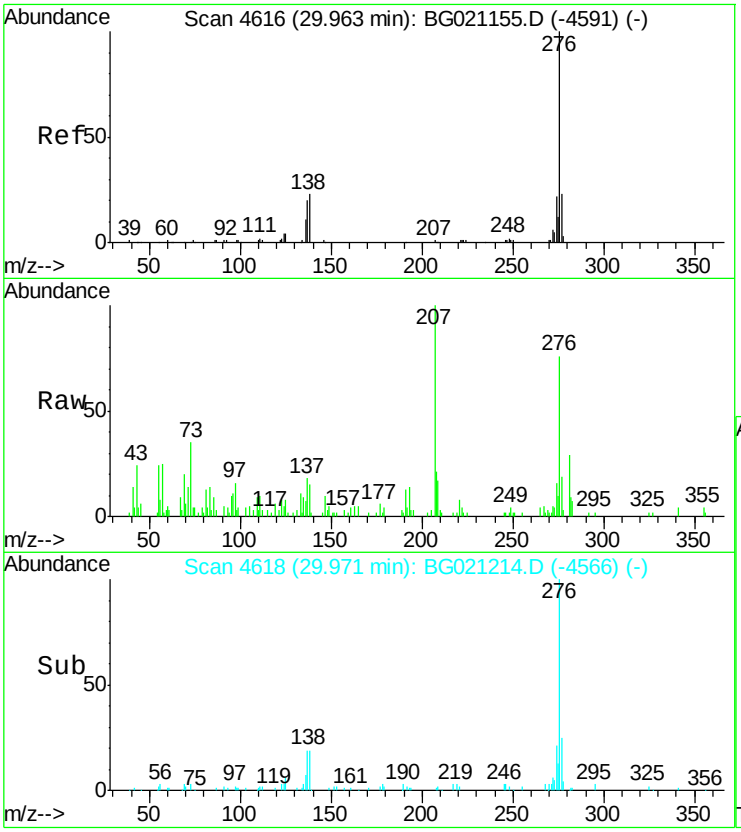


#89
Benzo(a)pyrene
Concen: 11.28 ng
RT: 24.89 min Scan# 3753
Delta R.T. -0.00 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:252 Resp: 58348

Ion	Ratio	Lower	Upper
252	100		
253	22.9	15.8	23.8
125	13.1	8.4	12.6#

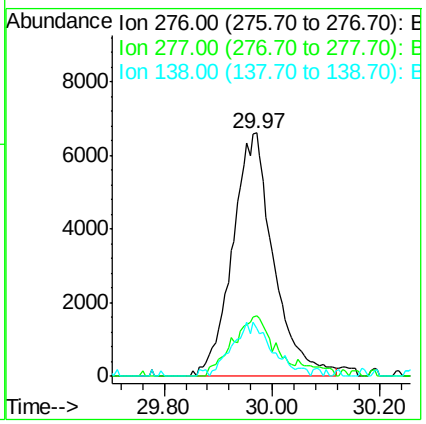




#91
Benzo(g,h,i)perylene
Concen: 7.05 ng
RT: 29.97 min Scan# 4618
Delta R.T. 0.01 min
Lab File: BG021214.D
Acq: 2 Mar 2016 15:44

Tgt Ion:276 Resp: 34841

Ion	Ratio	Lower	Upper
276	100		
277	24.7	16.6	25.0
138	19.5	14.6	21.8



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

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