Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021216.D
Acq On : 2 Mar 2016 17:03
Operator : UM/SJ
Sample : H1565-10RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223RE

Manual Integrations APPROVED
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3/3/2016 8:23:12 AM

Quant Time: Mar 03 00:34:20 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	8.15	152	11159	20.00	ng		-0.01
21) Naphthalene-d8	10.95	136	57914	20.00	ng		-0.01
38) Acenaphthene-d10	14.76	164	35080	20.00	ng		0.00
63) Phenanthrene-d10	17.49	188	76210	20.00	ng		0.00
75) Chrysene-d12	21.76	240	83350	20.00	ng		0.00
86) Perylene-d12	25.06	264	78583	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	18696	26.64	ng		0.00
7) Phenol-d6	7.30	99	136205	118.01	ng		0.00
23) Nitrobenzene-d5	9.31	82	132421	96.75	ng		0.00
41) 2,4,6-Tribromophenol	16.24	330	4446	12.18	ng		0.00
44) 2-Fluorobiphenyl	13.39	172	226700	91.77	ng		0.00
78) Terphenyl-d14	20.09	244	299388	87.02	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.01	128	31950	10.58	ng		99
37) 2-Methylnaphthalene	12.59	142	15009	6.98	ng	#	94
49) Dimethylphthalate	14.20	163	48721	15.58	ng	#	99
51) Acenaphthene	14.82	154	10513	4.52	ng		97
54) Dibenzofuran	15.15	168	10591	3.41	ng	#	84
57) Fluorene	15.80	166	16084	5.43	ng		98
70) Phenanthrene	17.54	178	236866	57.59	ng		99
71) Anthracene	17.63	178	39952m	9.49	ng		
72) Carbazole	17.89	167	14131	3.79	ng	#	91
74) Fluoranthene	19.54	202	316359	65.47	ng		99
77) Pyrene	19.90	202	325534	65.47	ng		97
80) Benzo(a)anthracene	21.75	228	156136	31.64	ng		97
82) Chrysene	21.82	228	157935	33.77	ng		99
85) Indeno(1,2,3-cd)pyrene	28.80	276	77059m	14.37	ng		
87) Benzo(b)fluoranthene	24.02	252	166778	33.74	ng		95
88) Benzo(k)fluoranthene	24.07	252	63529m	12.83	ng		
89) Benzo(a)pyrene	24.90	252	137012	28.67	ng		95
90) Dibenzo(a,h)anthracene	28.84	278	19316m	4.09	ng		
91) Benzo(g,h,i)perylene	29.96	276	71862	15.73	ng	#	89

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

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BNA_G
ClientSampleId :
DUP-1-20160223RE

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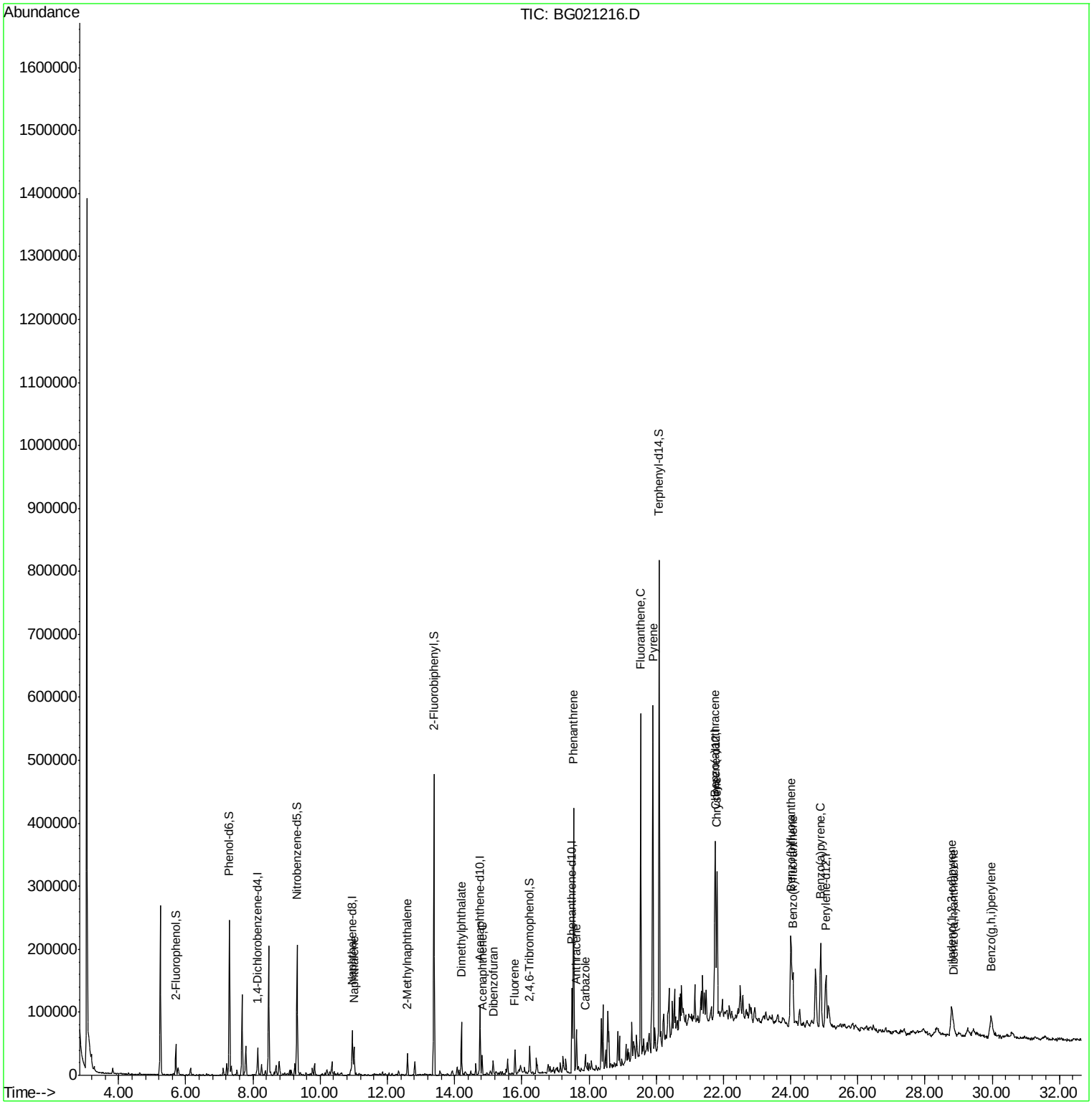
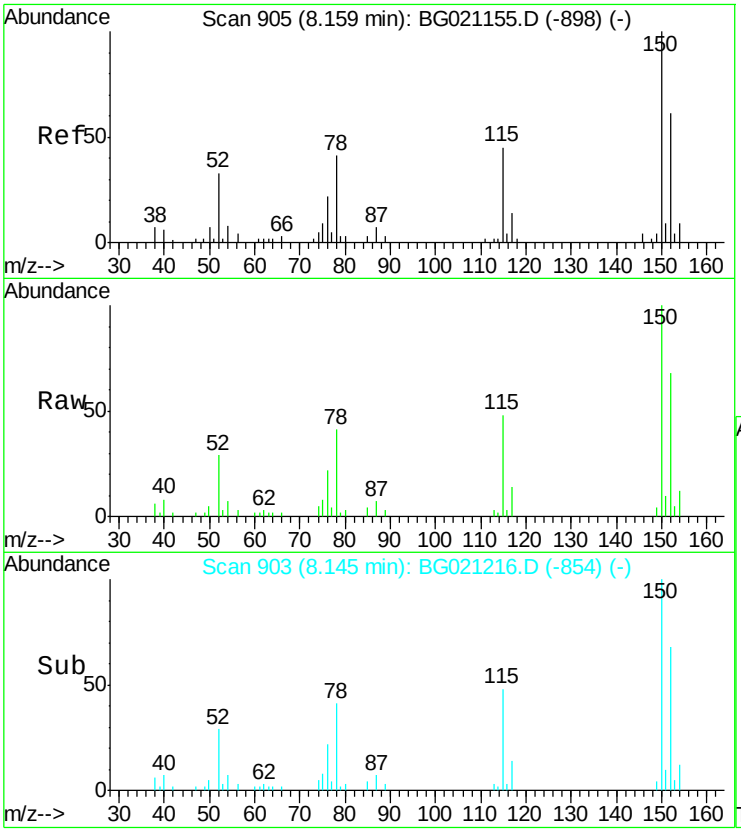
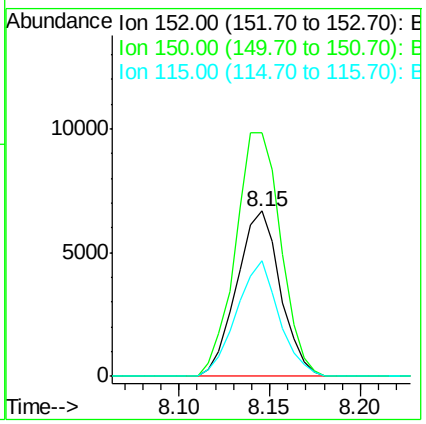




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:152 Resp: 11159

Ion	Ratio	Lower	Upper
152	100		
150	147.5	123.4	185.2
115	70.3	43.3	64.9#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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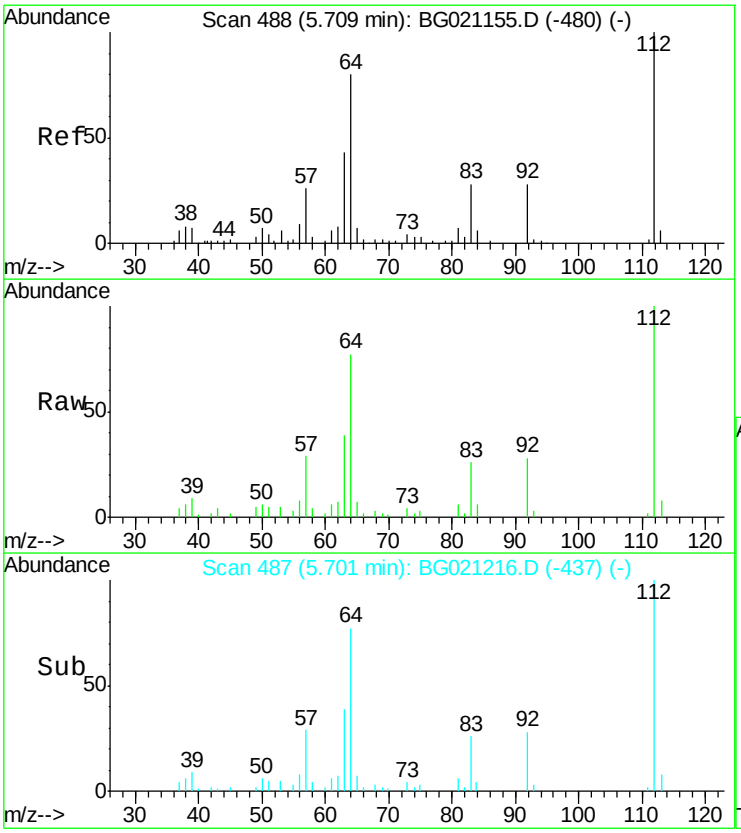
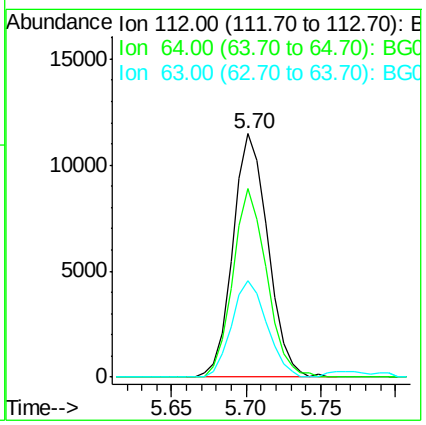
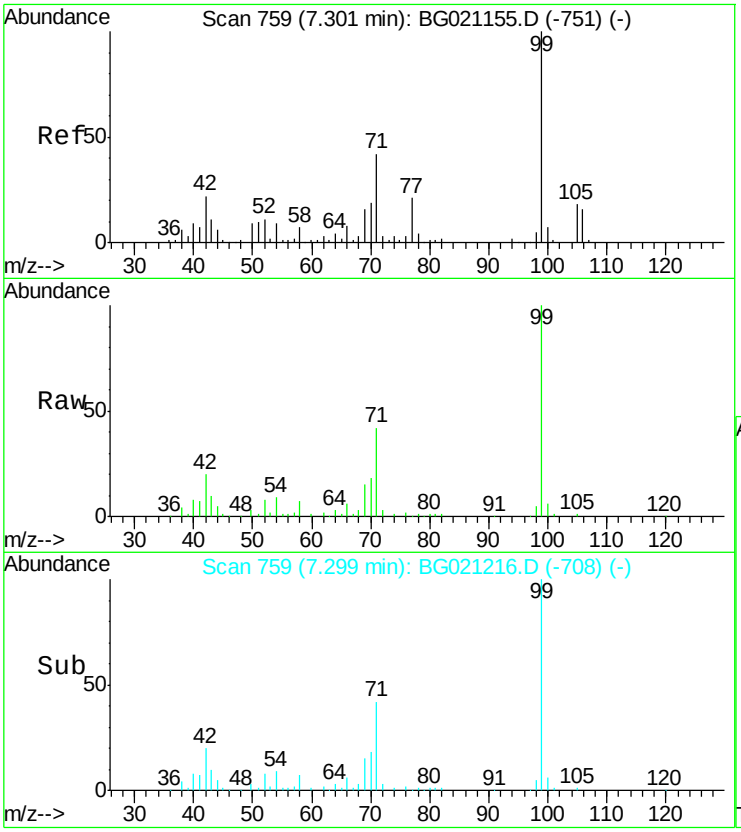


#5
2-Fluorophenol
Concen: 26.64 ng
RT: 5.70 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:112 Resp: 18696

Ion	Ratio	Lower	Upper
112	100		
64	77.4	42.6	63.8#
63	39.4	21.7	32.5#





#7
Phenol-d6
Concen: 118.01 ng
RT: 7.30 min Scan# 759
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion: 99 Resp: 136205

Ion	Ratio	Lower	Upper
99	100		
42	19.8	13.2	19.8#
71	41.5	25.2	37.8#

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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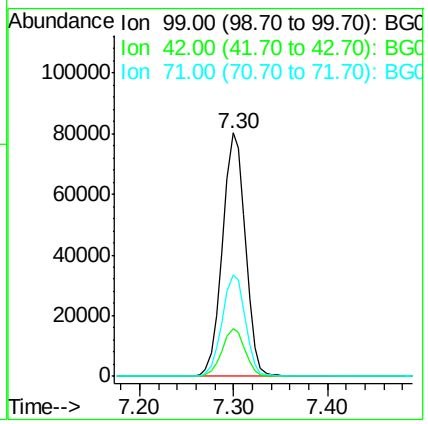
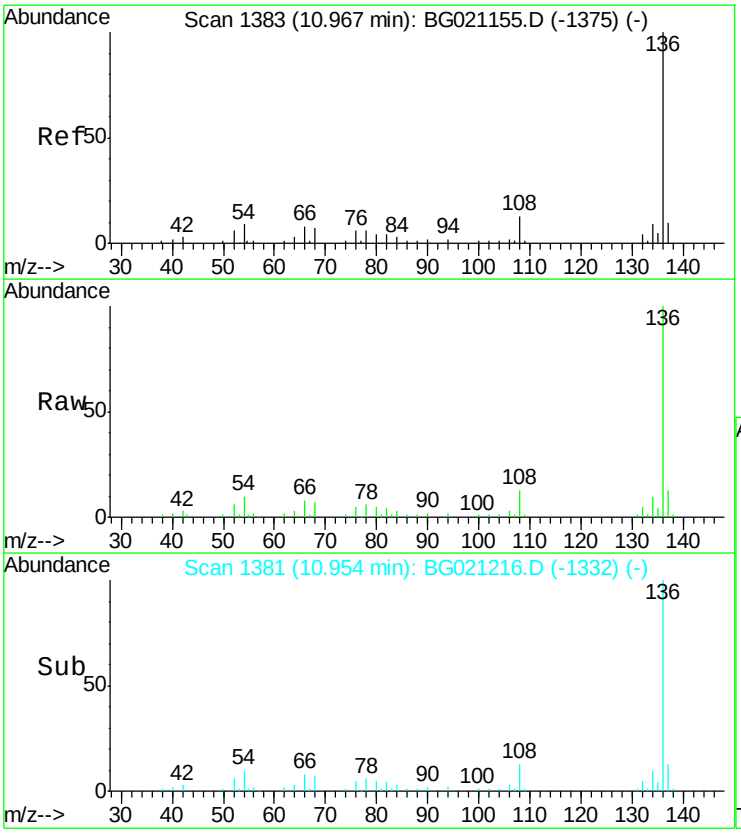
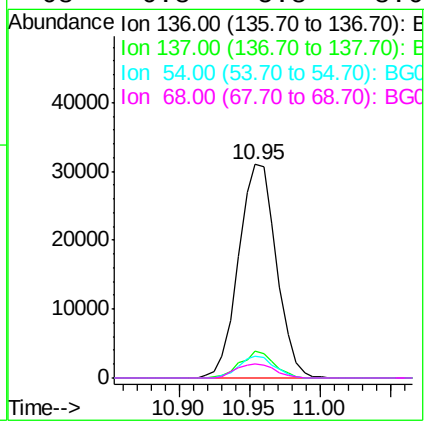


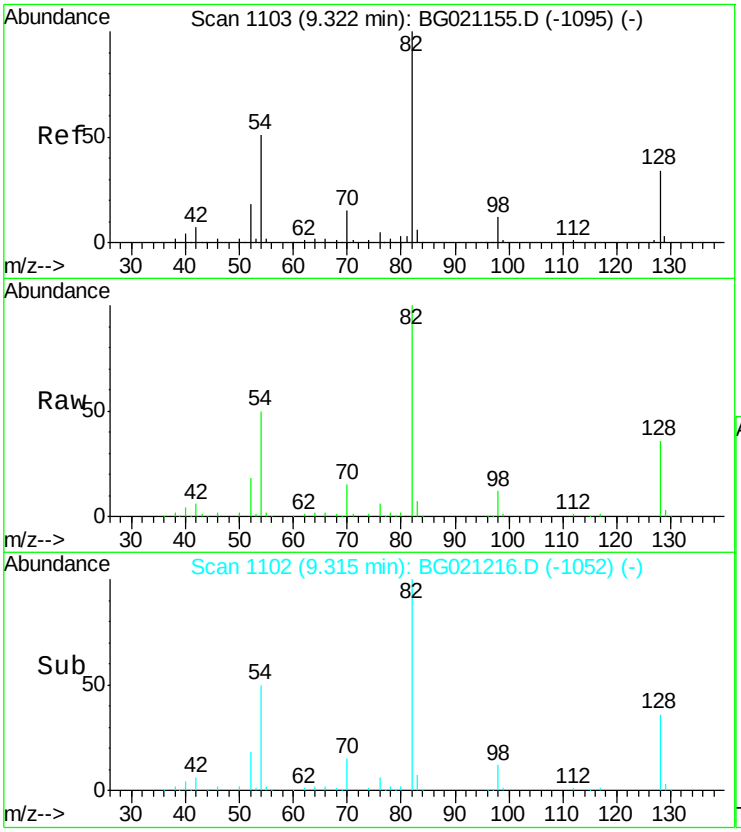


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:136 Resp: 57914

Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.8	13.2
54	9.9	6.9	10.3
68	6.8	5.8	8.6

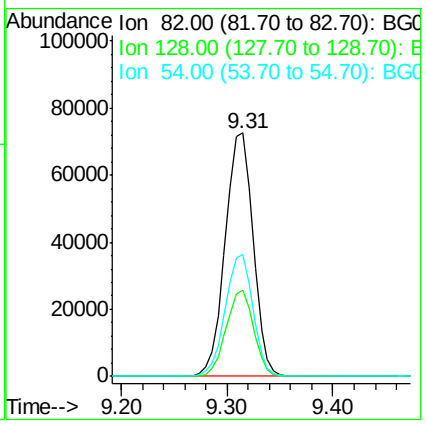




#23
Nitrobenzene-d5
Concen: 96.75 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion: 82 Resp: 132421

Ion	Ratio	Lower	Upper
82	100		
128	35.6	36.3	54.5#
54	49.9	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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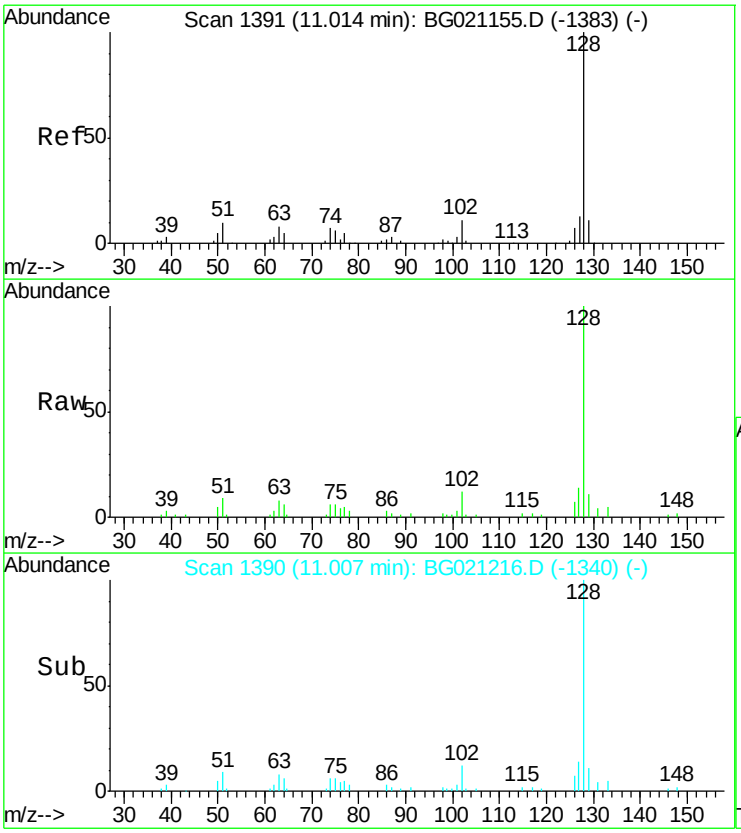
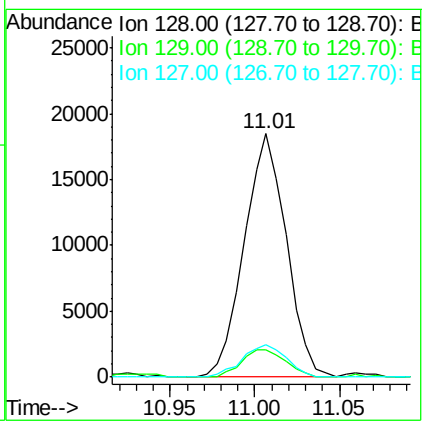
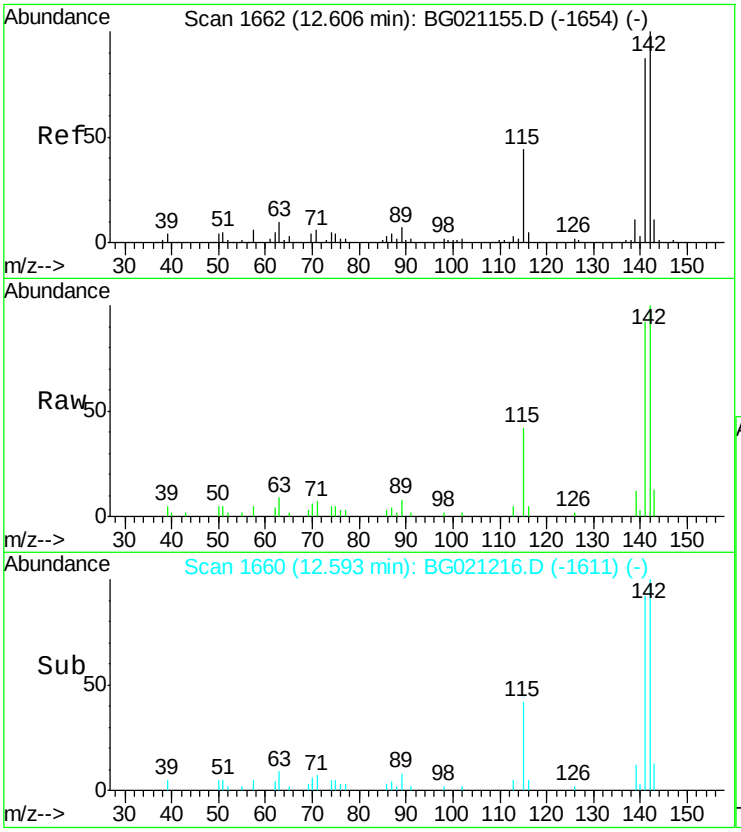


#31
Naphthalene
Concen: 10.58 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:128 Resp: 31950

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	13.5	10.8	16.2





#37
2-Methylnaphthalene
Concen: 6.98 ng
RT: 12.59 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:142 Resp: 15009

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.7	107.5
115	41.8	26.2	39.4#

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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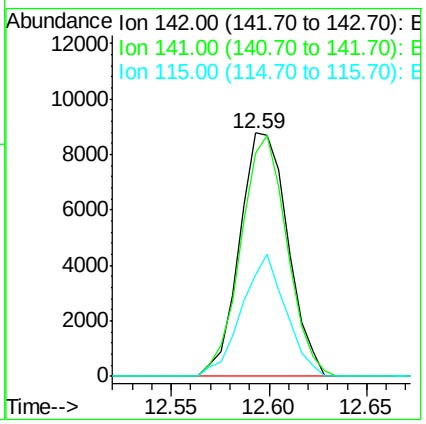
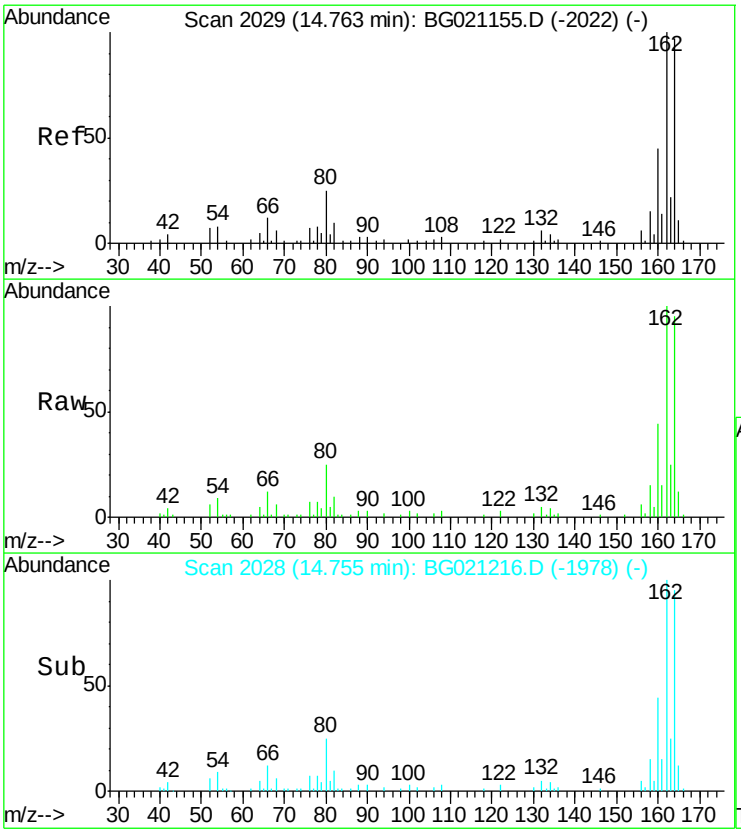
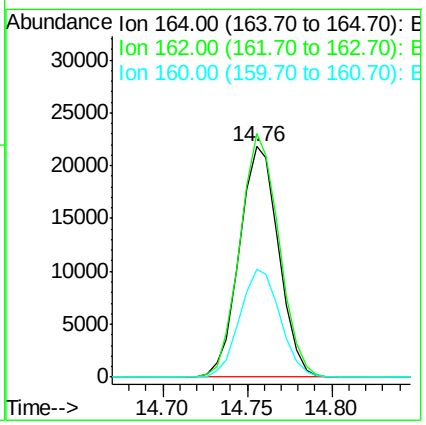


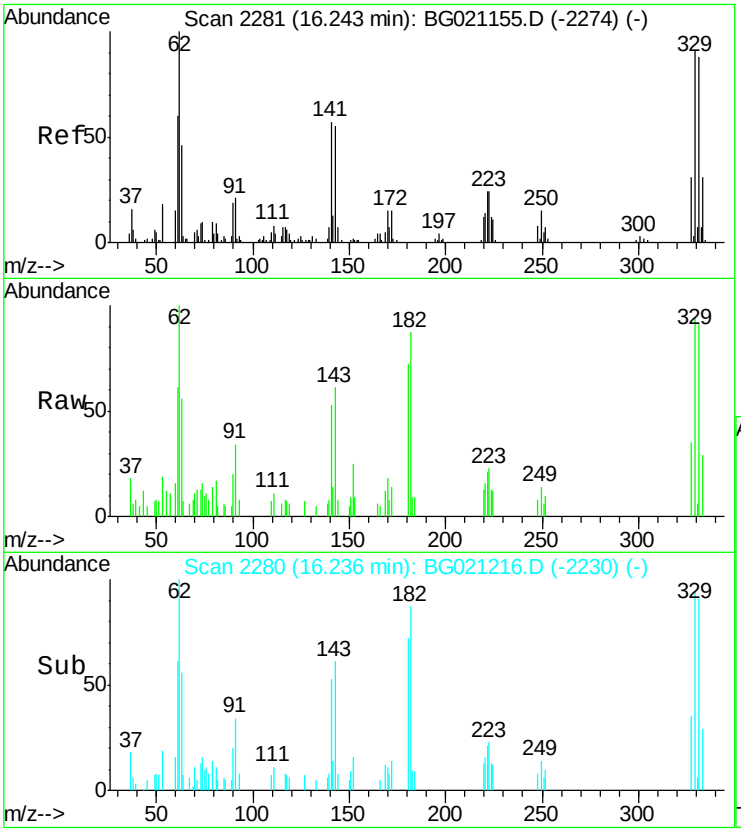


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:164 Resp: 35080

Ion	Ratio	Lower	Upper
164	100		
162	105.6	80.6	120.8
160	46.9	36.5	54.7





#41
2,4,6-Tribromophenol
Concen: 12.18 ng
RT: 16.24 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:330 Resp: 4446

Ion	Ratio	Lower	Upper
330	100		
332	105.8	77.4	116.0
141	61.0	35.3	52.9#

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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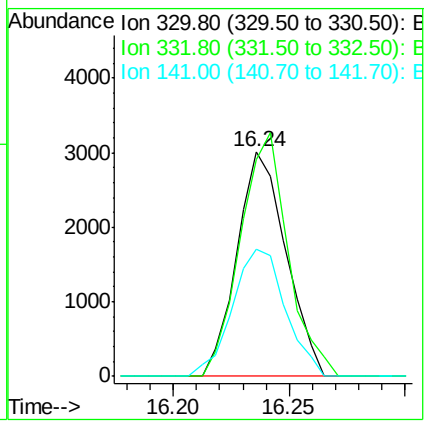
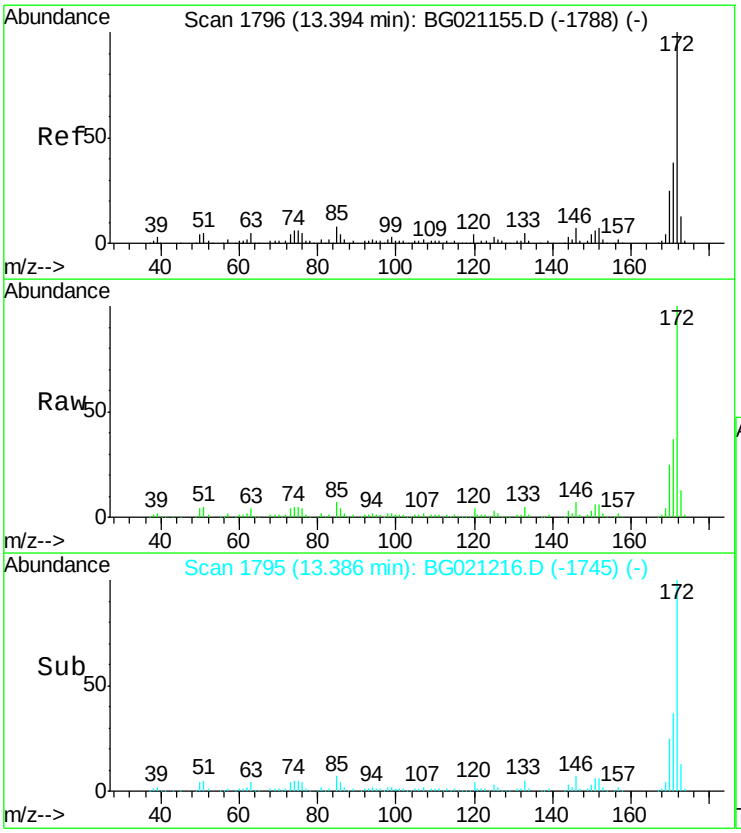
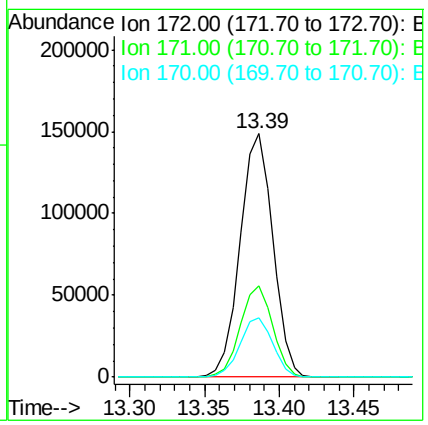


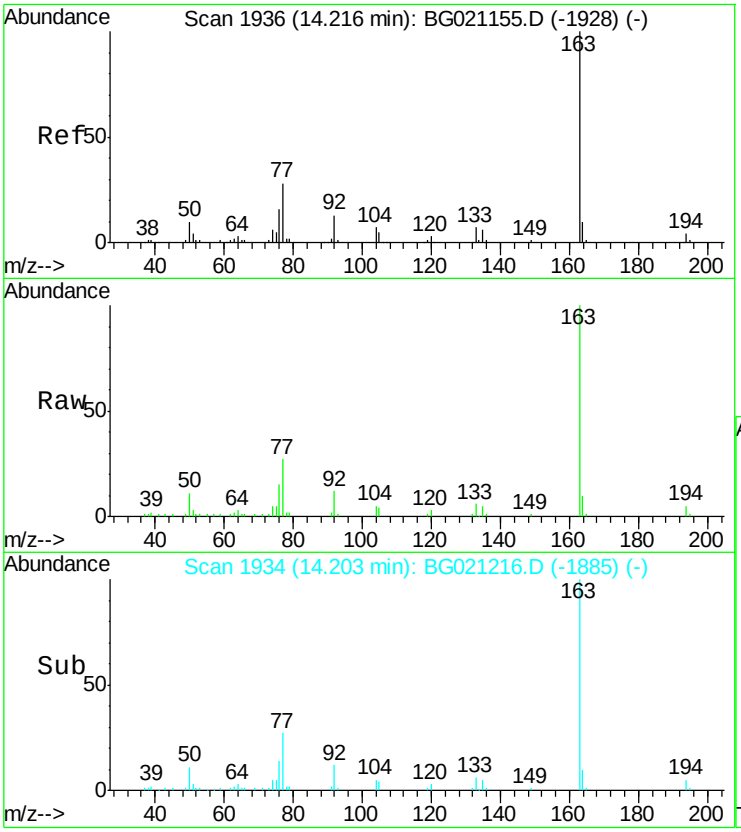


#44
2-Fluorobiphenyl
Concen: 91.77 ng
RT: 13.39 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:172 Resp: 226700

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	24.6	19.8	29.8





#49
Dimethylphthalate
Concen: 15.58 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:163 Resp: 48721

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.8	4.2#
164	9.9	7.9	11.9

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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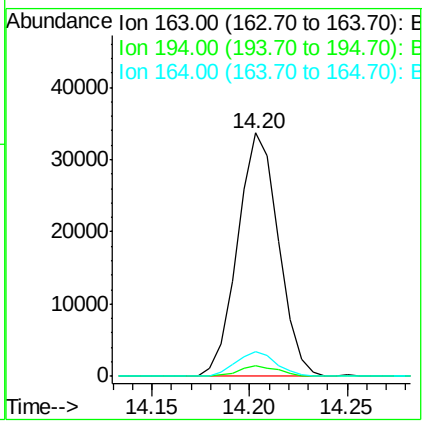
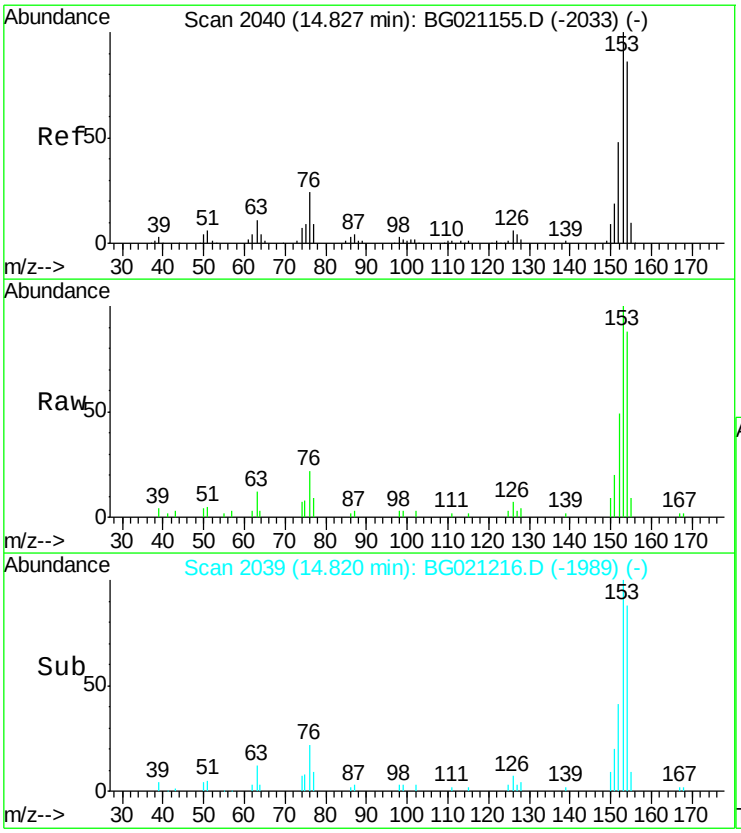
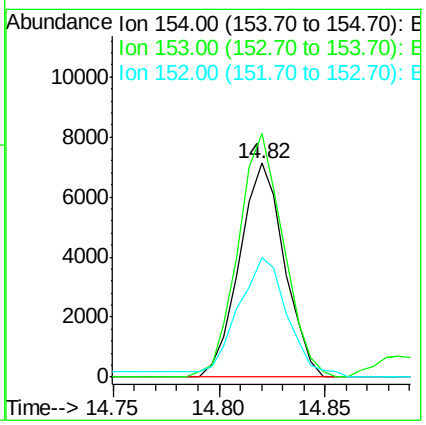


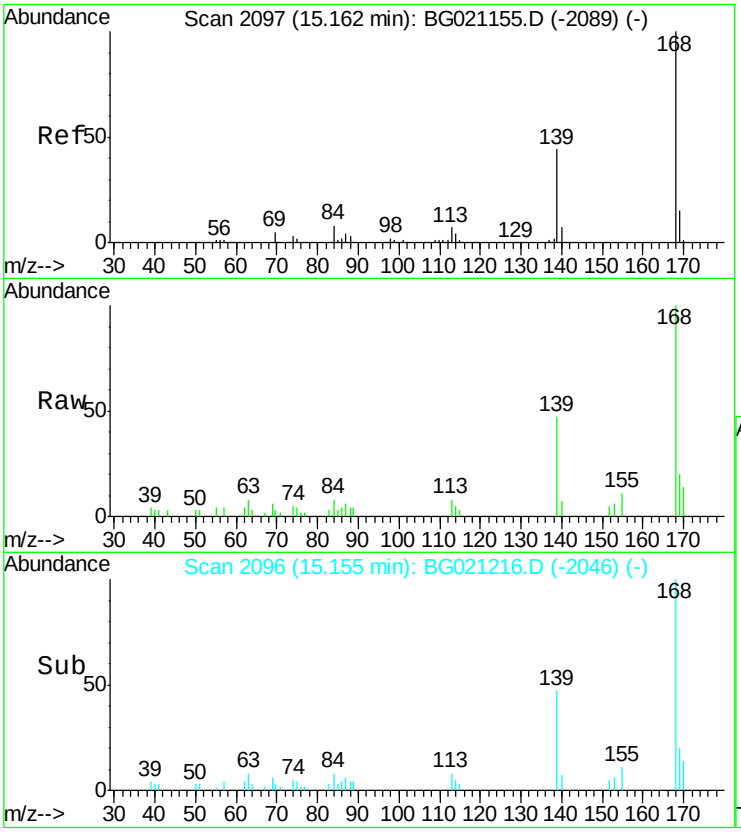


#51
Acenaphthene
Concen: 4.52 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:154 Resp: 10513

Ion	Ratio	Lower	Upper
154	100		
153	113.9	94.2	141.2
152	55.7	42.9	64.3

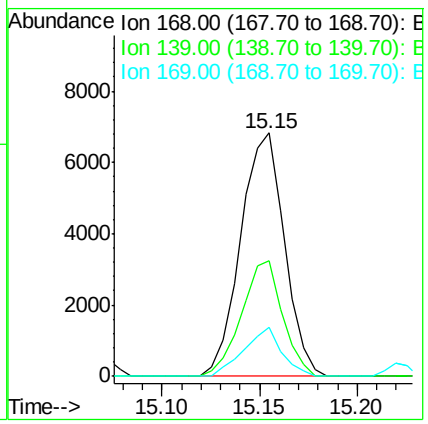




#54
Dibenzofuran
Concen: 3.41 ng
RT: 15.15 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:168 Resp: 10591

Ion	Ratio	Lower	Upper
168	100		
139	47.3	29.8	44.8#
169	20.2	11.4	17.2#



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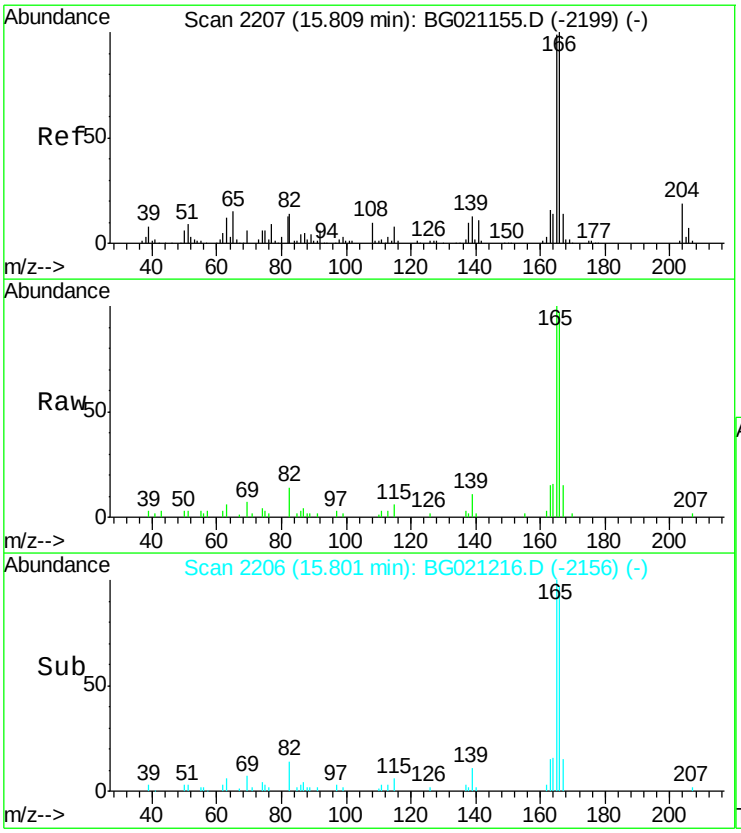
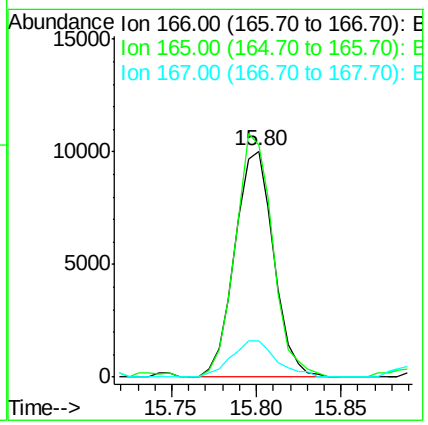
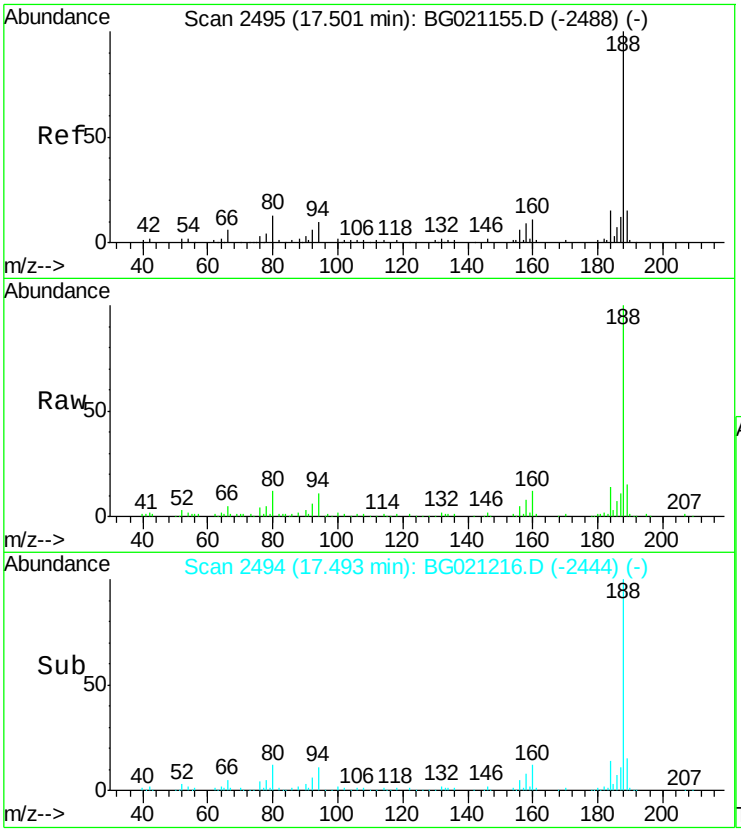


#57
Fluorene
Concen: 5.43 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:166 Resp: 16084

Ion	Ratio	Lower	Upper
166	100		
165	102.8	81.3	121.9
167	15.9	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: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:188 Resp: 76210

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.4
80	12.0	9.2	13.8

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

Manual Integrations APPROVED
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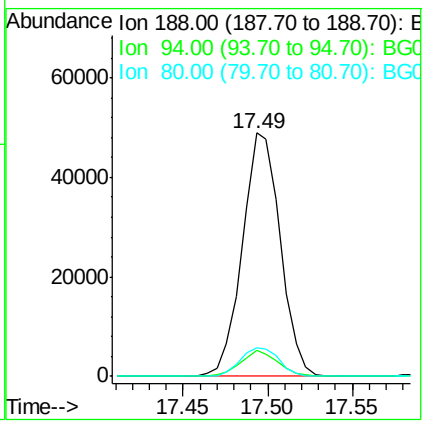
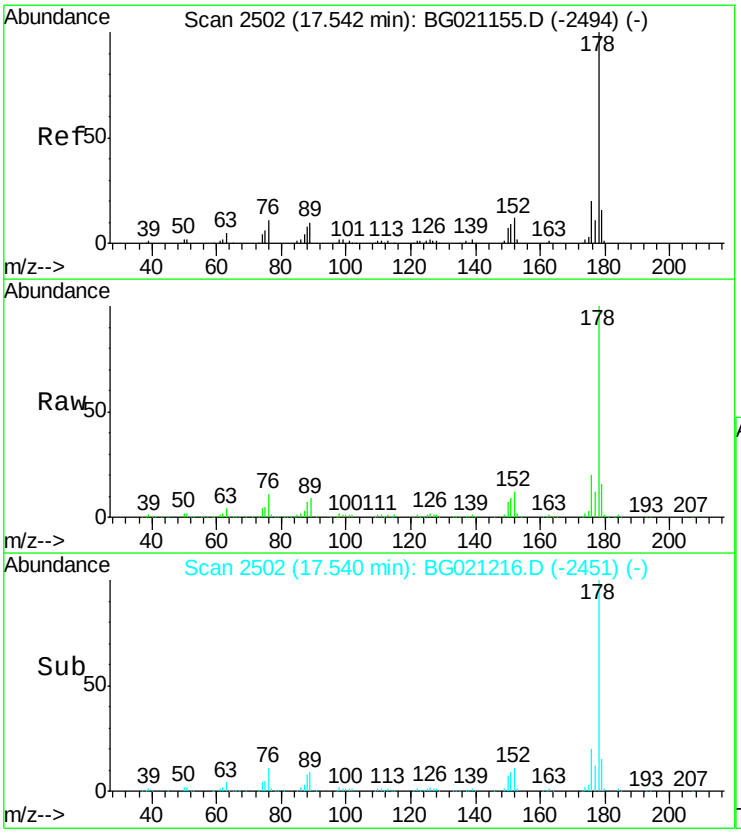
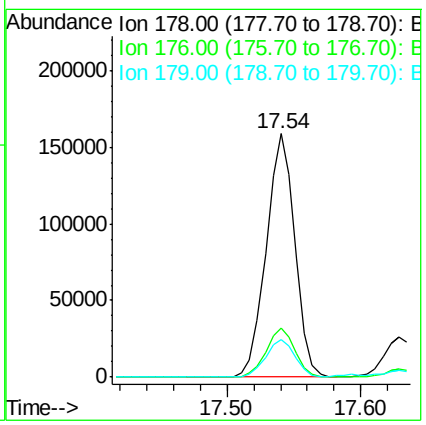


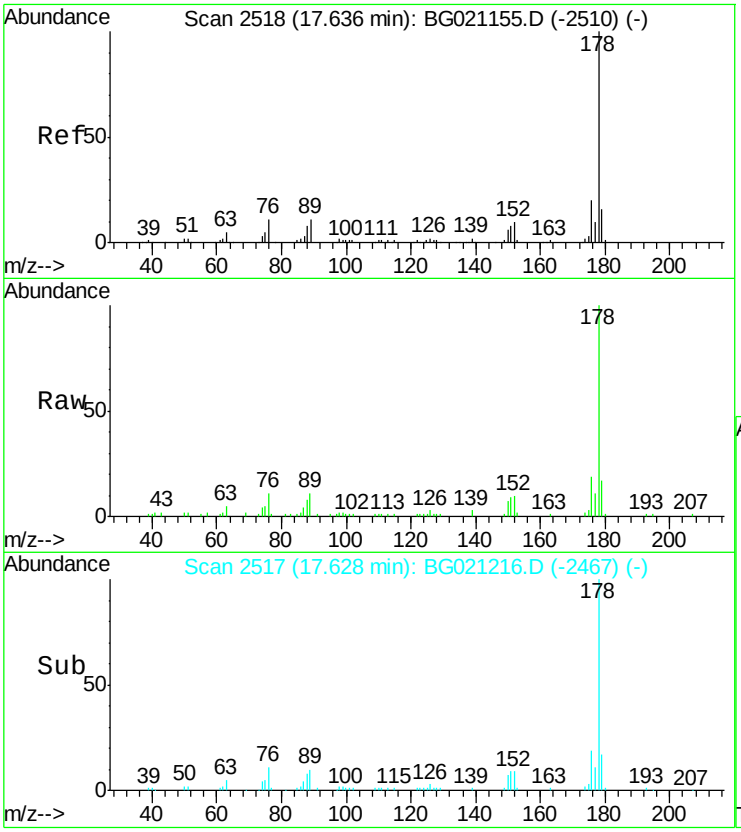


#70
Phenanthrene
Concen: 57.59 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:178 Resp: 236866

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.5	12.9	19.3

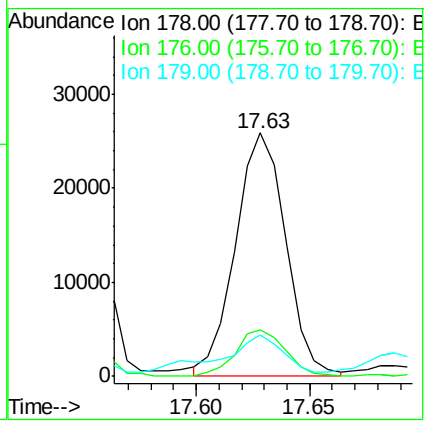




#71
Anthracene
Concen: 9.49 ng m
RT: 17.63 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:178 Resp: 39952

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	17.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
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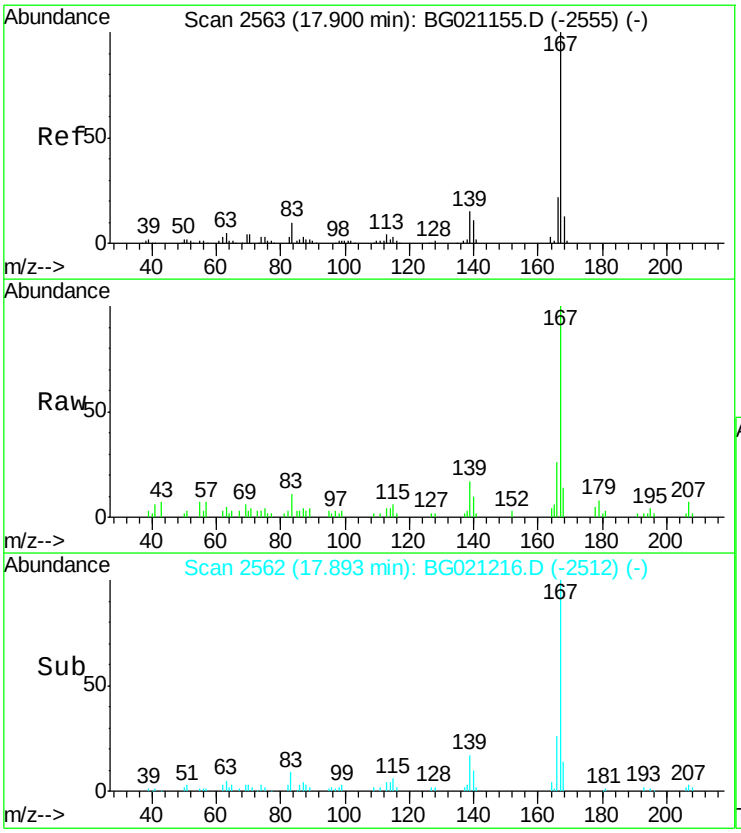
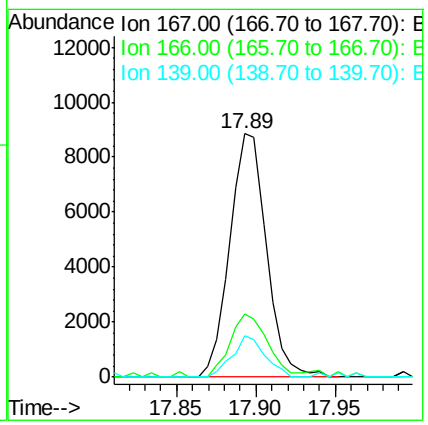
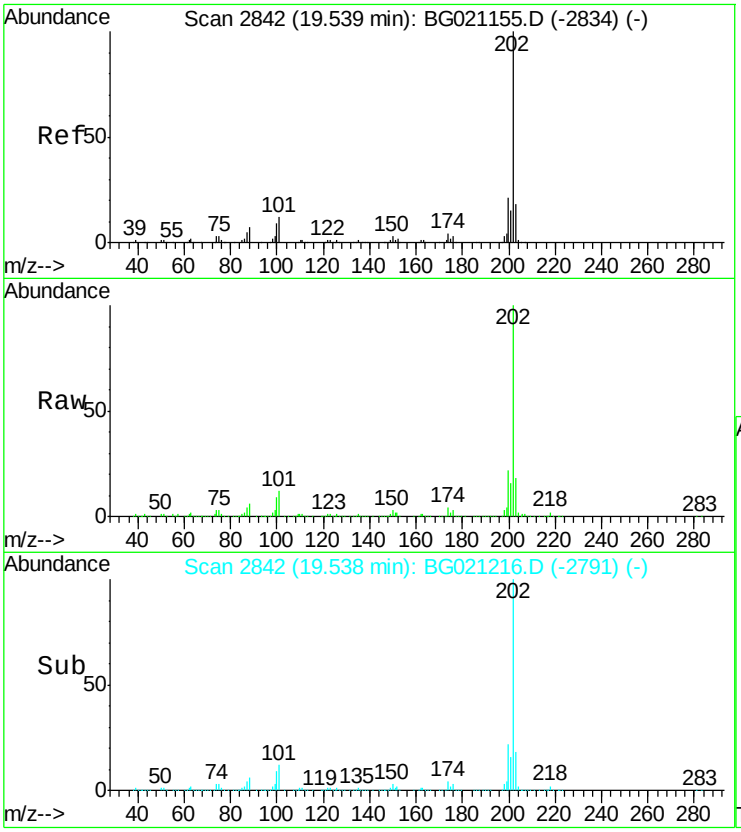


#72
Carbazole
Concen: 3.79 ng
RT: 17.89 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:167 Resp: 14131

Ion	Ratio	Lower	Upper
167	100		
166	25.7	17.5	26.3
139	17.0	10.3	15.5#

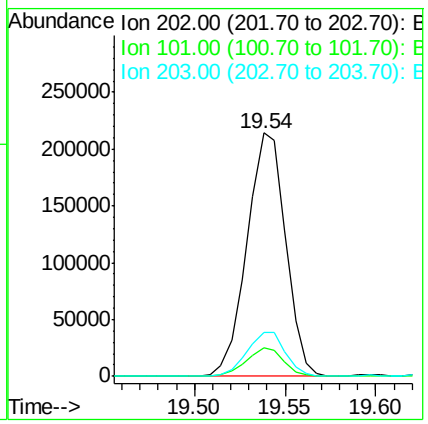




#74
Fluoranthene
Concen: 65.47 ng
RT: 19.54 min Scan# 2842
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:202 Resp: 316359

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.5
203	17.9	0.0	37.6



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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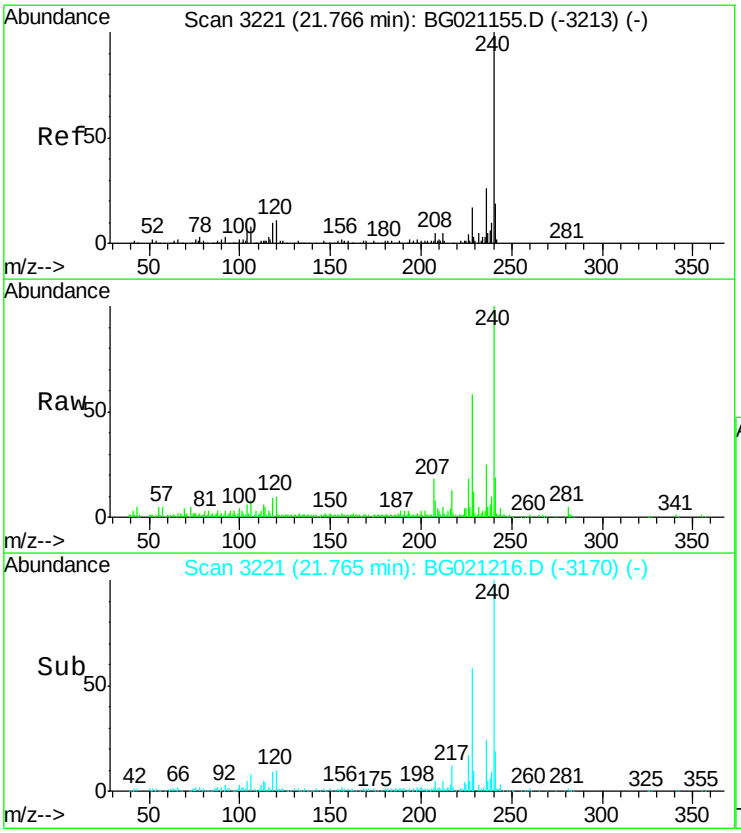
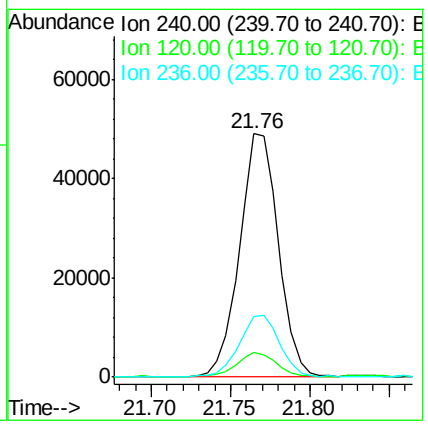
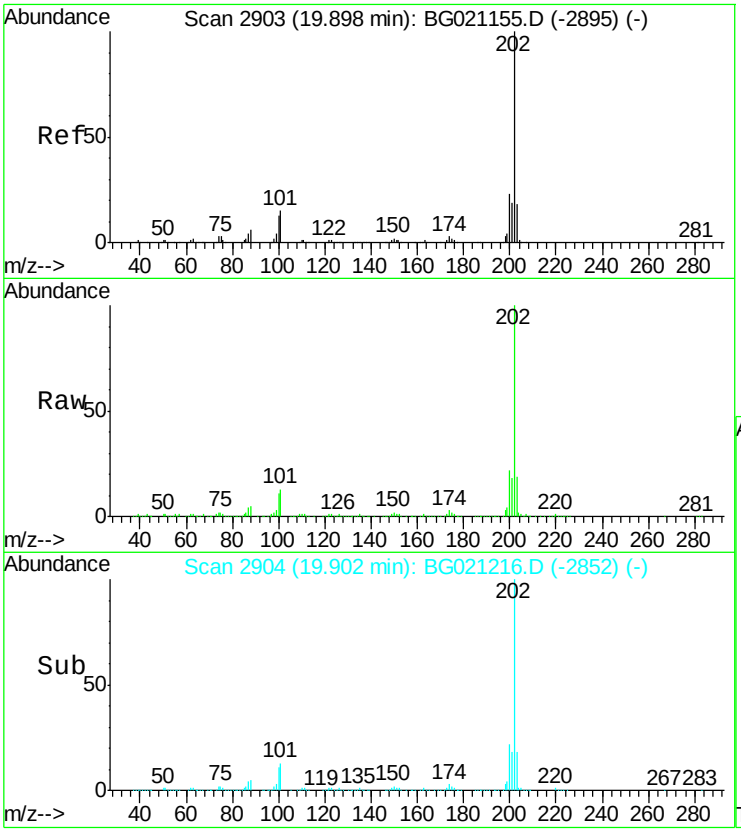


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3221
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:240 Resp: 83350

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	24.7	20.5	30.7

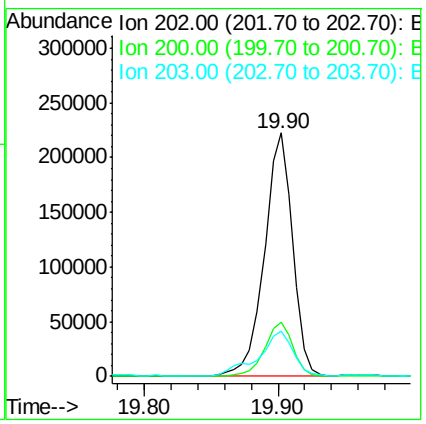




#77
Pyrene
Concen: 65.47 ng
RT: 19.90 min Scan# 2904
Delta R.T. 0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:202 Resp: 325534

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.6	25.0
203	18.5	13.8	20.8



Instrument :
BNA_G
ClientSampleId :
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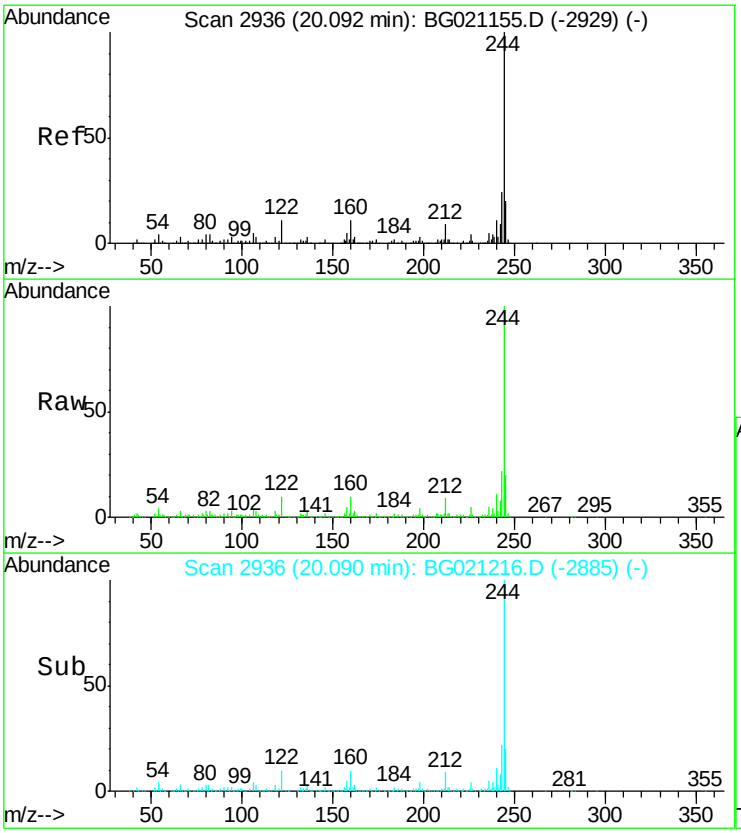
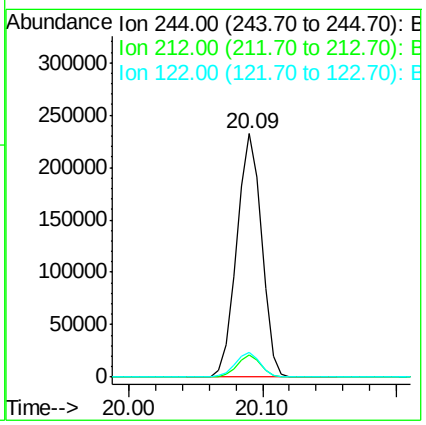
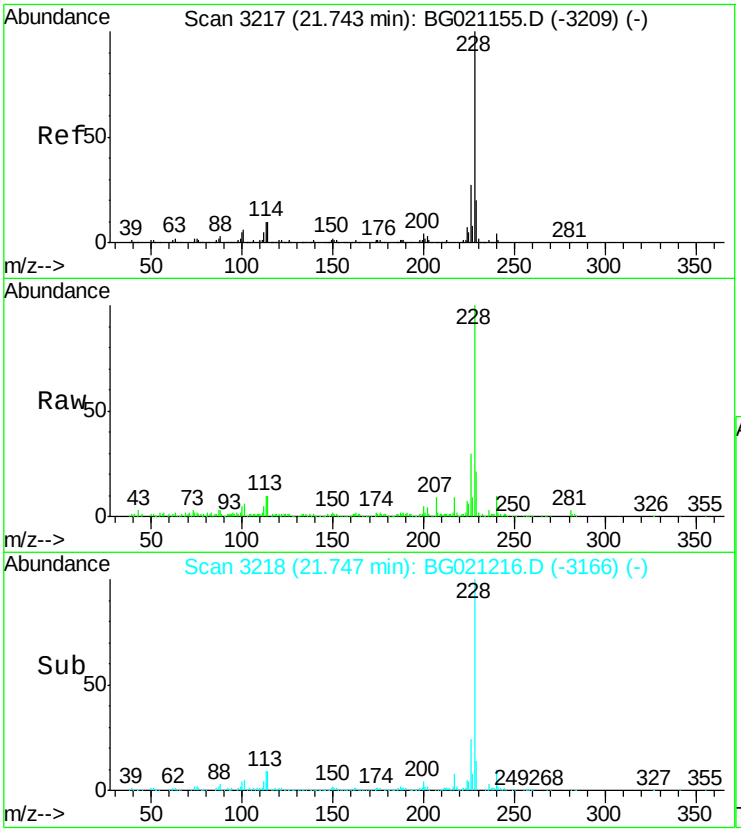


#78
Terphenyl-d14
Concen: 87.02 ng
RT: 20.09 min Scan# 2936
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:244 Resp: 299388

Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.8	8.6#
122	10.4	8.3	12.5

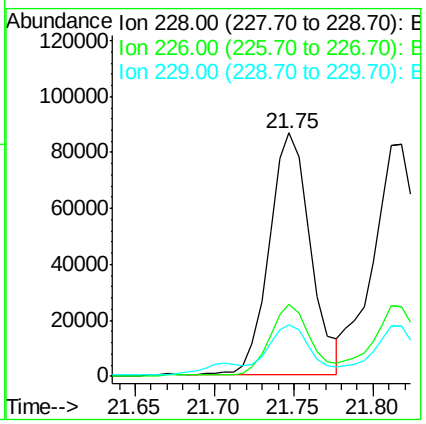




#80
Benzo(a)anthracene
Concen: 31.64 ng
RT: 21.75 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:228 Resp: 156136

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.7	34.1
229	21.3	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
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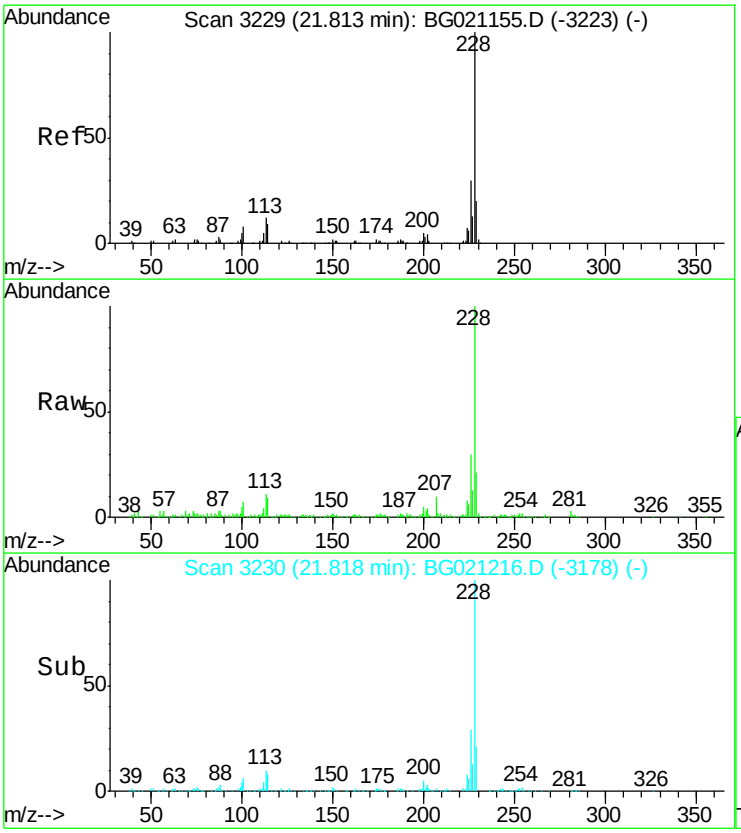
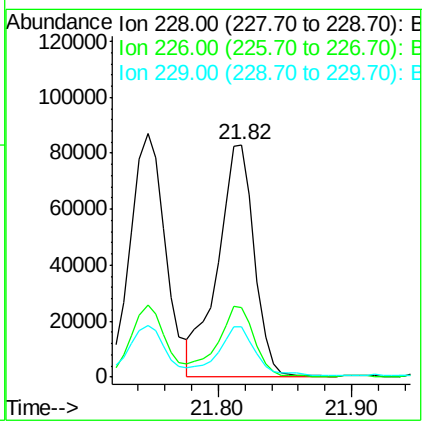
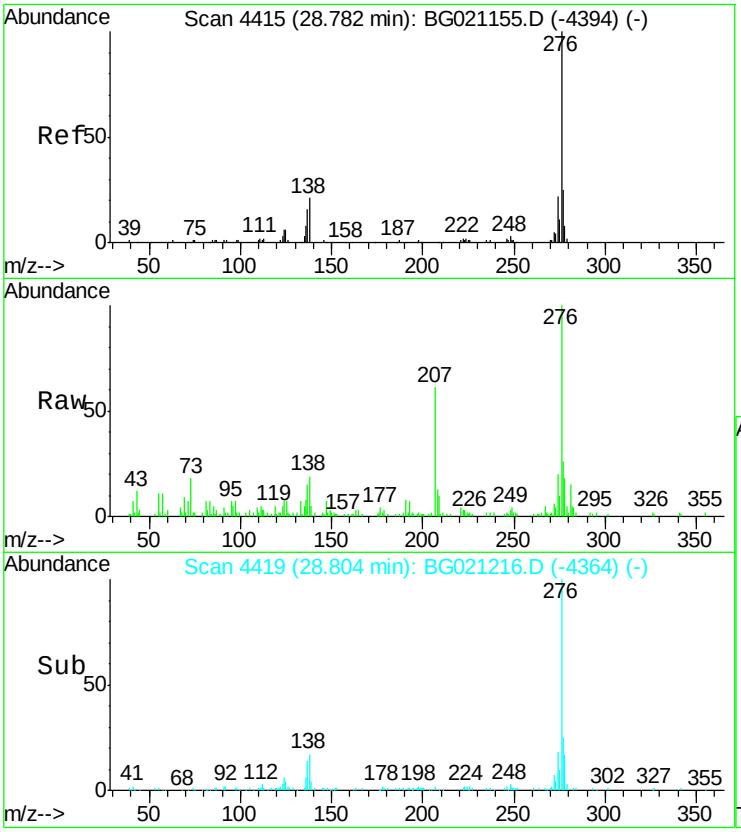


#82
Chrysene
Concen: 33.77 ng
RT: 21.82 min Scan# 3230
Delta R.T. 0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:228 Resp: 157935

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	21.5	16.7	25.1

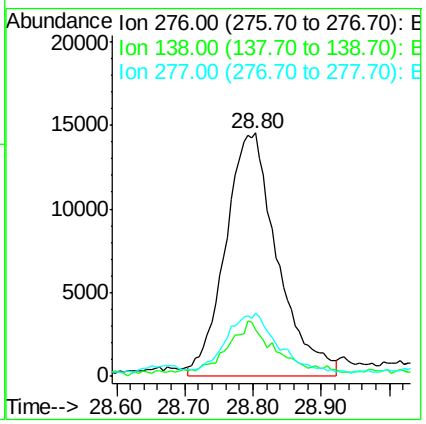




#85
Indeno(1,2,3-cd)pyrene
Concen: 14.37 ng m
RT: 28.80 min Scan# 4419
Delta R.T. 0.02 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:276 Resp: 77059

Ion	Ratio	Lower	Upper
276	100		
138	16.5	16.0	24.0
277	24.2	16.0	24.0#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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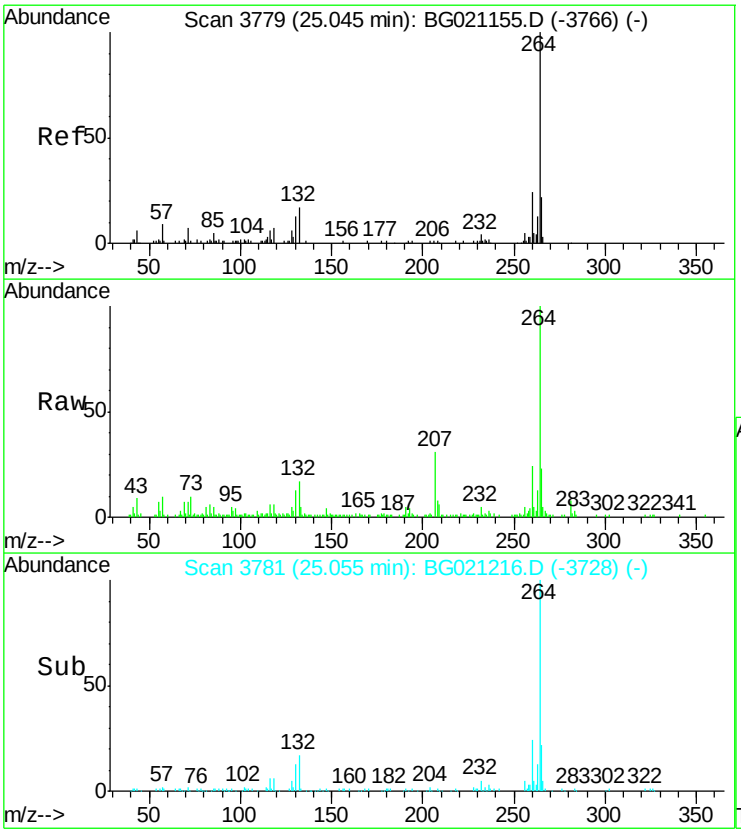
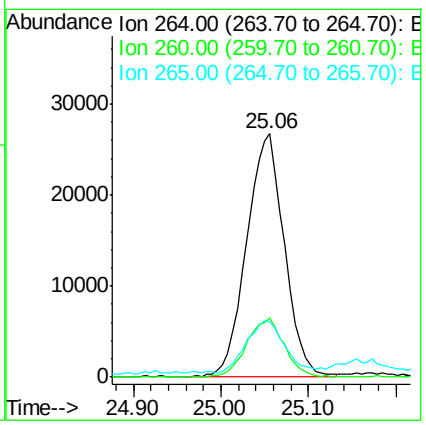
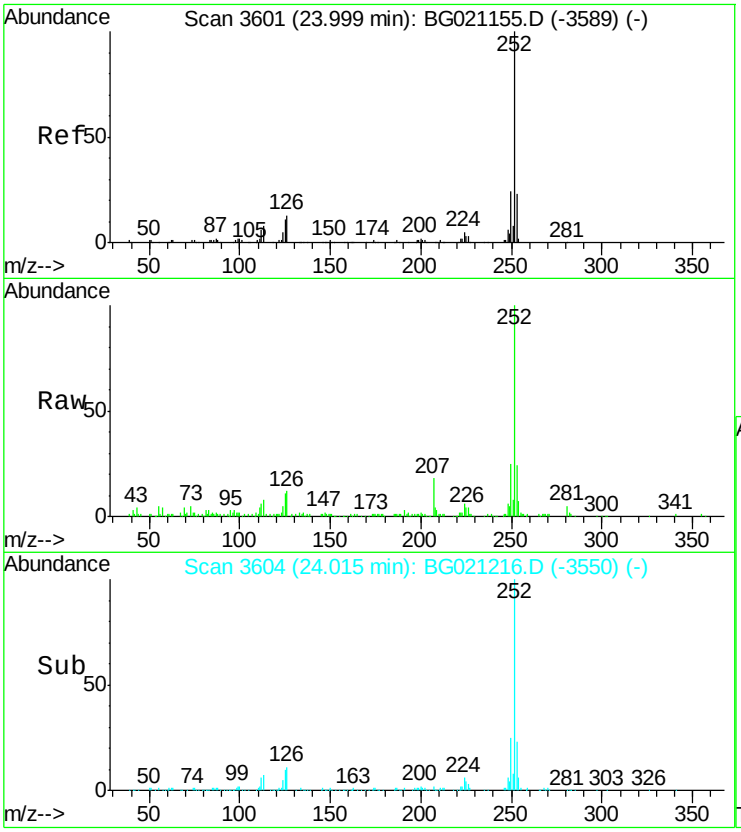


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3781
Delta R.T. 0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:264 Resp: 78583

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.5	27.7
265	23.0	18.6	28.0

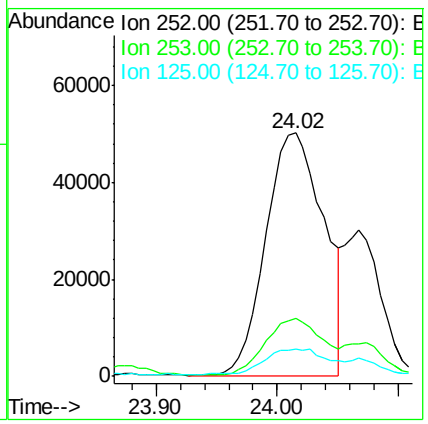




#87
Benzo(b)fluoranthene
Concen: 33.74 ng
RT: 24.02 min Scan# 3604
Delta R.T. 0.02 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:252 Resp: 166778

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.8	25.2
125	11.1	8.2	12.2



Instrument :
BNA_G
ClientSampleId :
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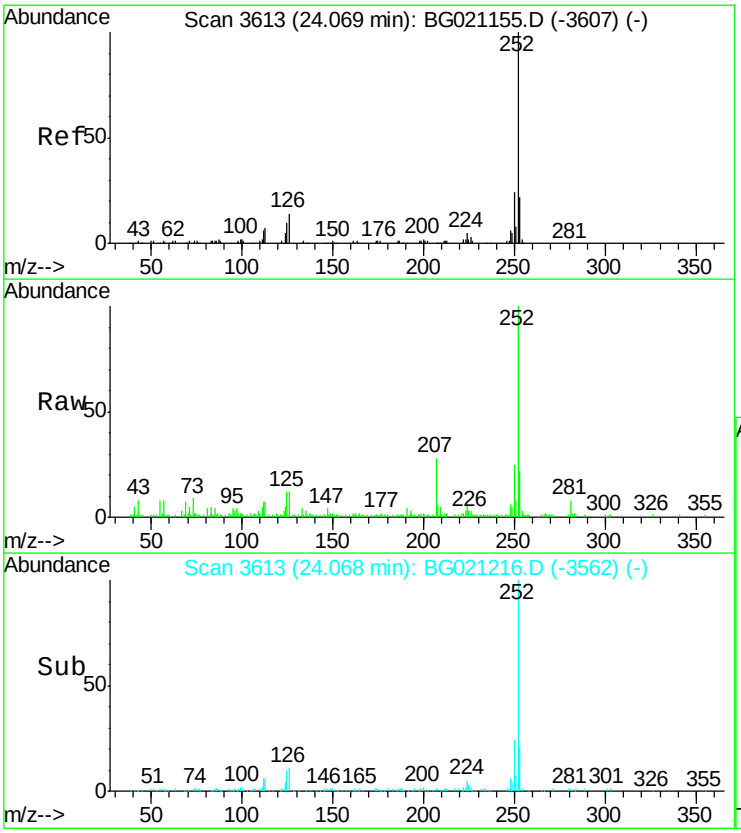
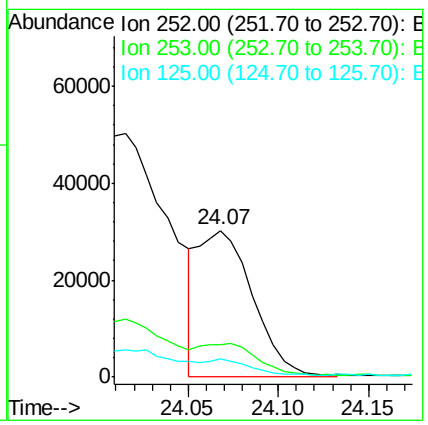
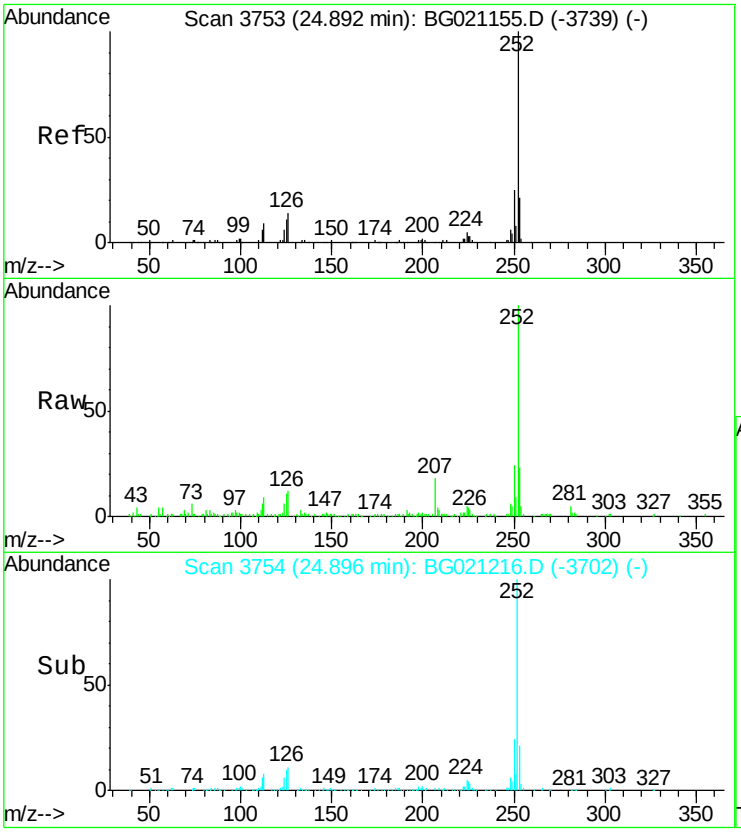


#88
Benzo(k)fluoranthene
Concen: 12.83 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:252 Resp: 63529

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.4	24.6
125	12.2	8.2	12.2

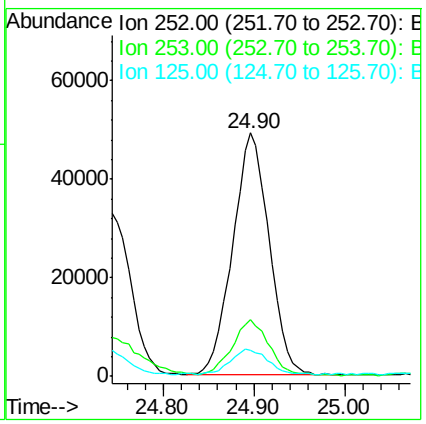




#89
Benzo(a)pyrene
Concen: 28.67 ng
RT: 24.90 min Scan# 3754
Delta R.T. 0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:252 Resp: 137012

Ion	Ratio	Lower	Upper
252	100		
253	23.2	15.8	23.8
125	10.7	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
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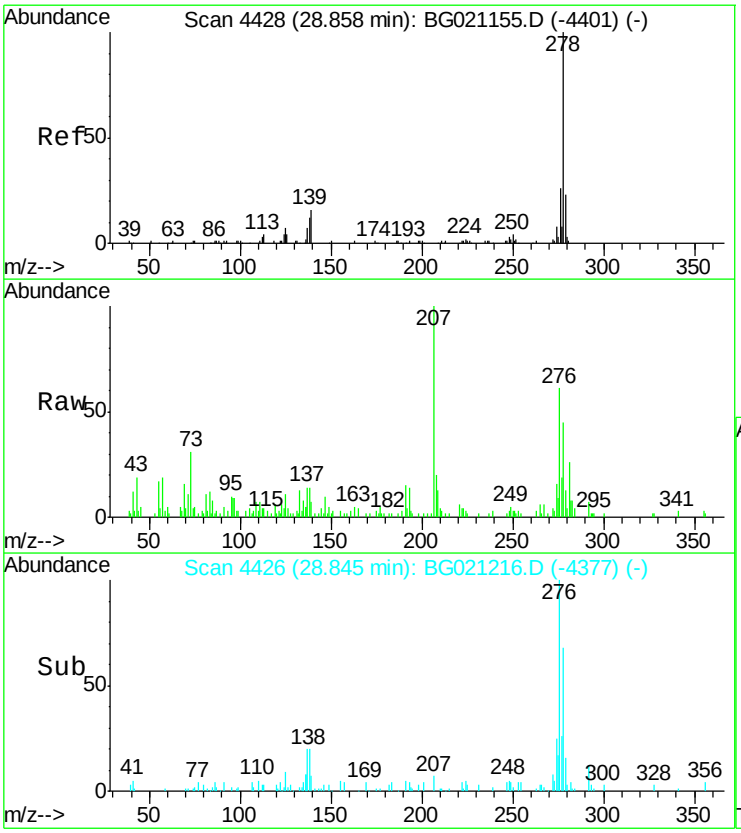
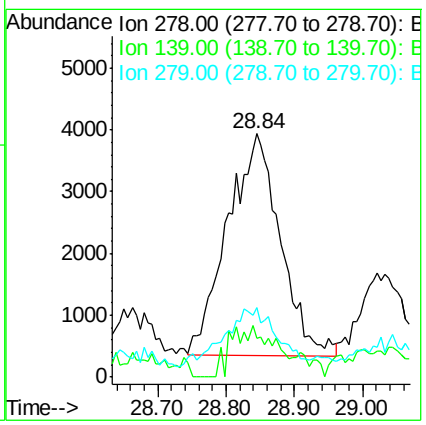
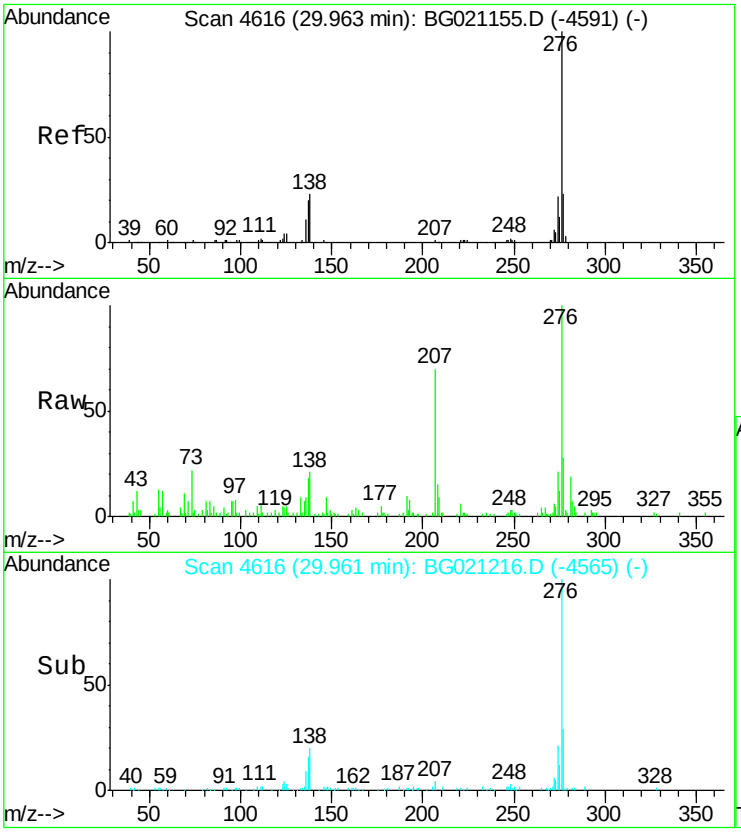


#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng m
RT: 28.84 min Scan# 4426
Delta R.T. -0.01 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:278 Resp: 19316

Ion	Ratio	Lower	Upper
278	100		
139	15.9	10.6	15.8#
279	28.6	19.7	29.5

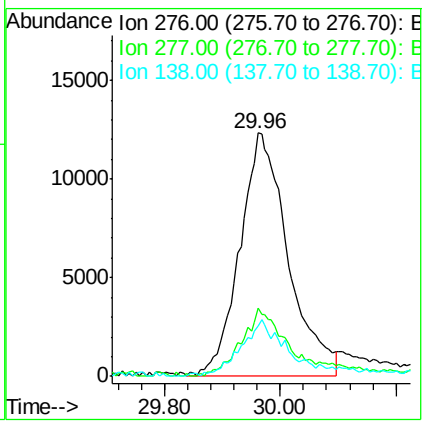




#91
Benzo(g,h,i)perylene
Concen: 15.73 ng
RT: 29.96 min Scan# 4616
Delta R.T. -0.00 min
Lab File: BG021216.D
Acq: 2 Mar 2016 17:03

Tgt Ion:276 Resp: 71862

Ion	Ratio	Lower	Upper
276	100		
277	27.9	16.6	25.0#
138	20.7	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223RE

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