Quantitation Report (Not Reviewed)

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 :

Quant Time: Mar 02 15:07:44 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
55) 4-Nitrophenol	15.15	139	2927	3.70	ng	#	7
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	64557	9.94	ng		98
88) Benzo(k)fluoranthene	24.00	252	64557	9.92	ng		97
89) Benzo(a)pyrene	24.89	252	50115	7.98	ng		93
91) Benzo(g,h,i)perylene	29.95	276	28077	4.68	ng		96

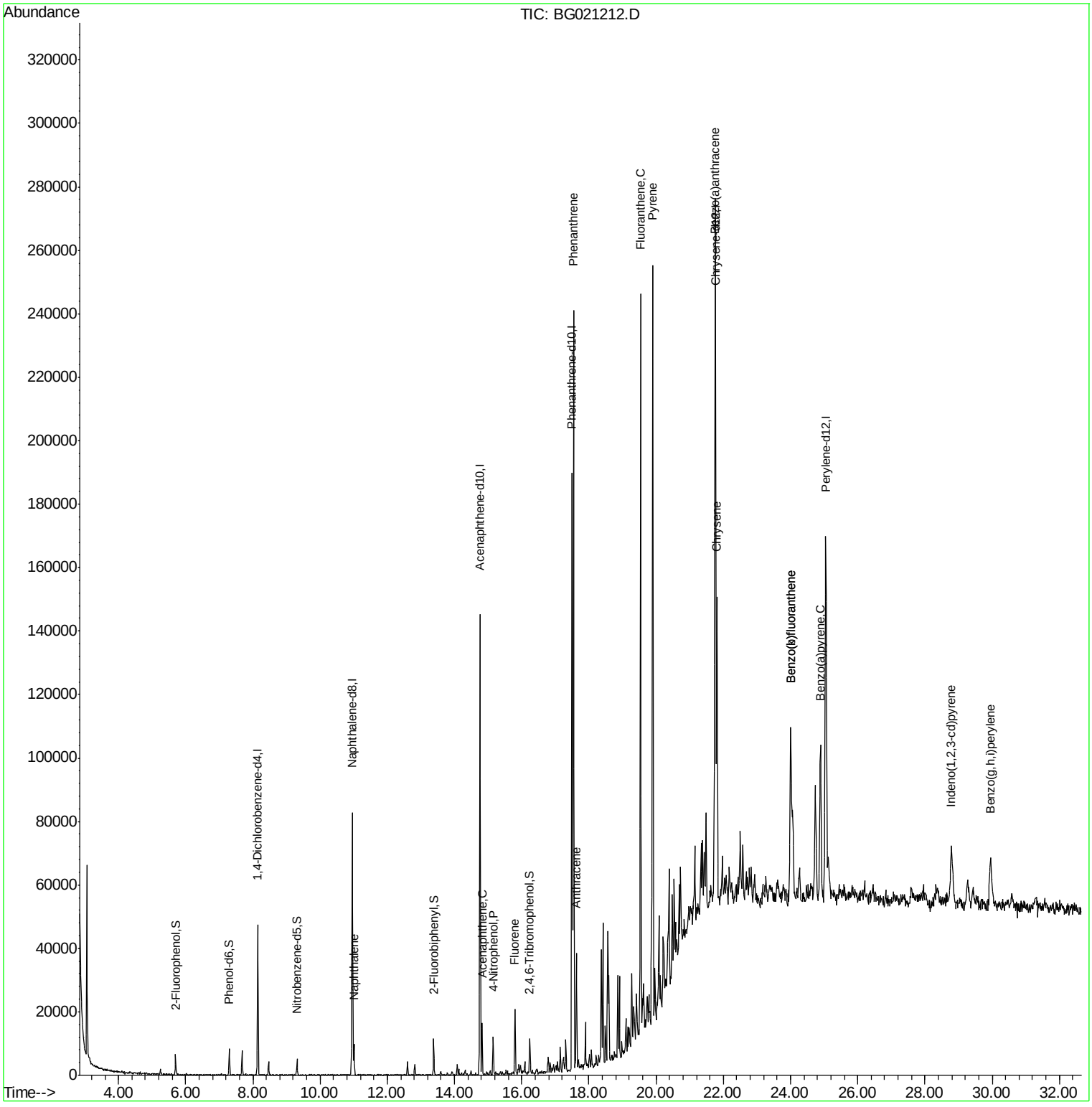
(#) = qualifier out of range (m) = manual integration (+) = signals summed

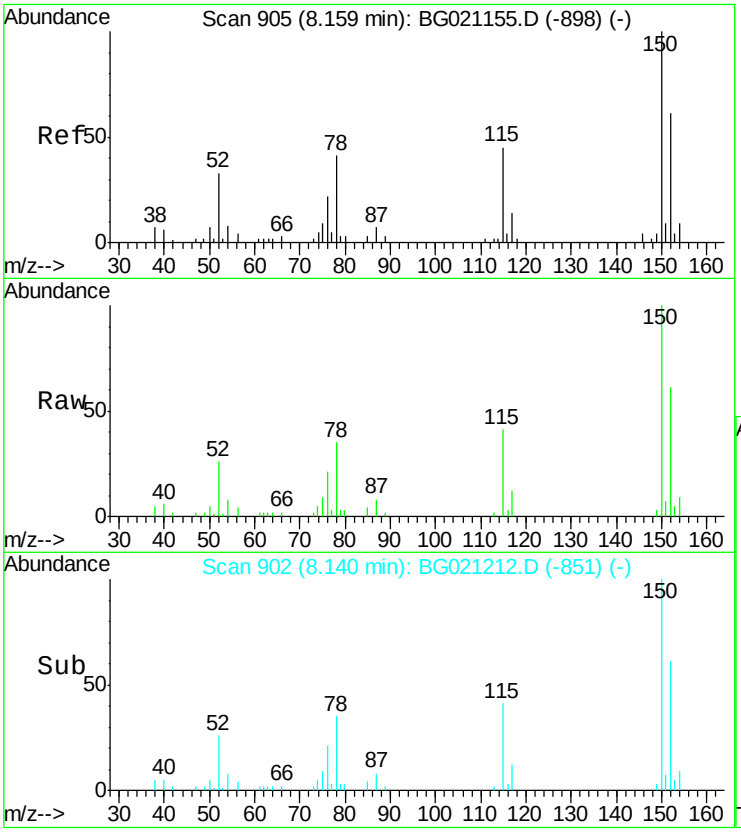
Quantitation Report (Not Reviewed)

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 :

Quant Time: Mar 02 15:07:44 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



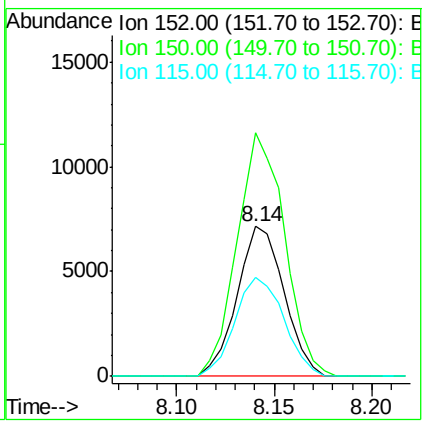


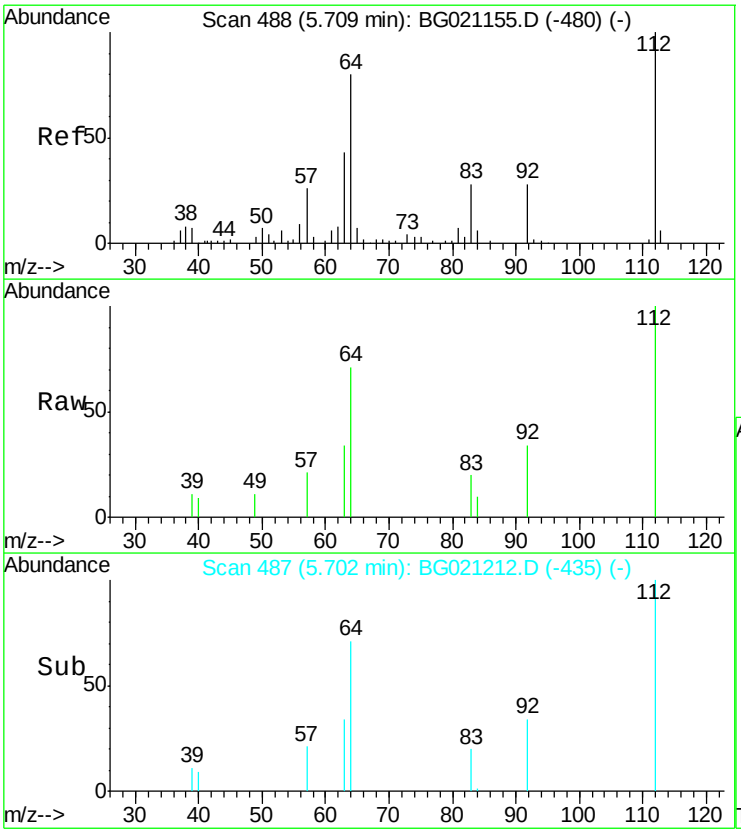
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 11888

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

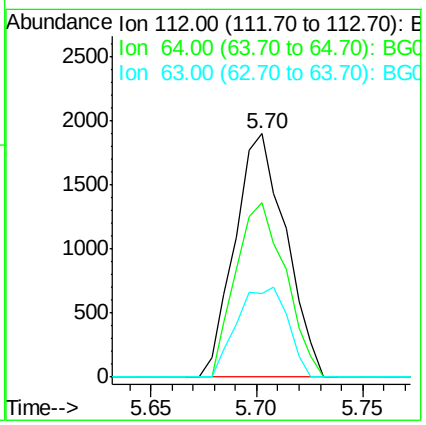


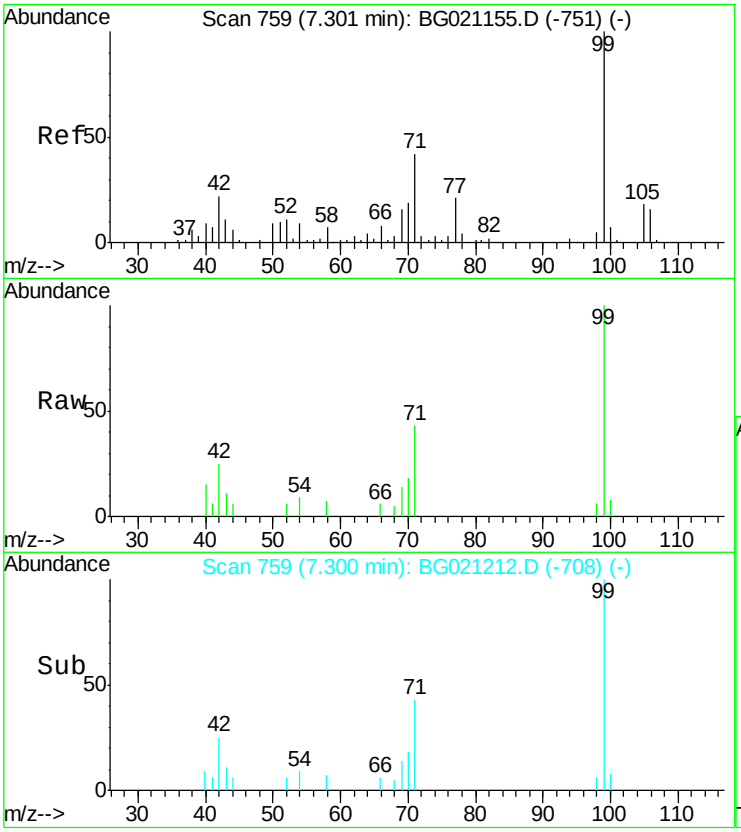


#5
2-Fluorophenol
Concen: 4.25 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:112 Resp: 3175

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



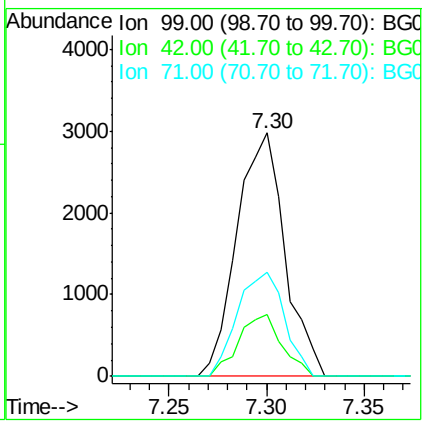


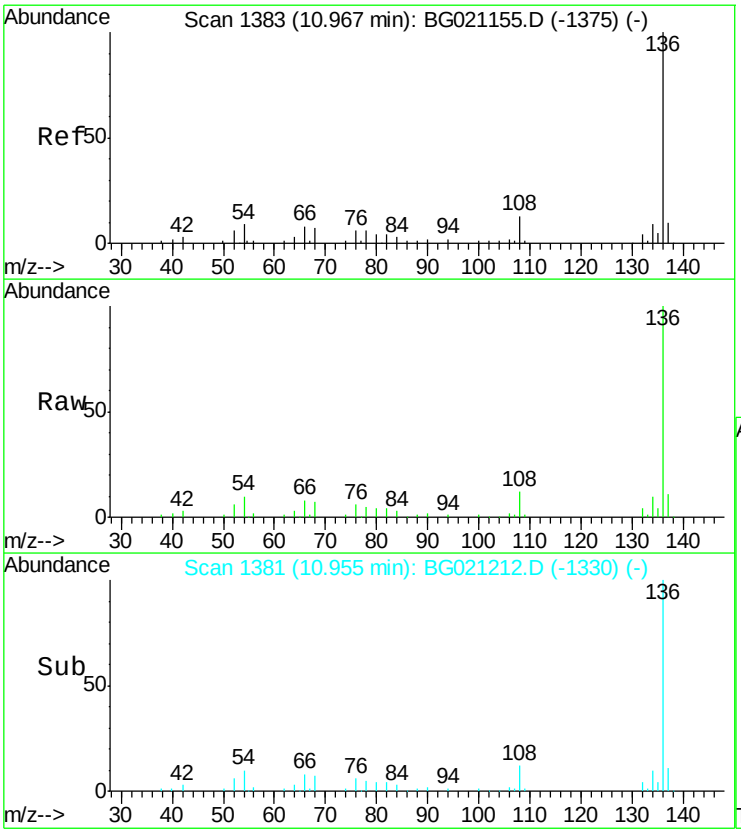
#7
Phenol-d6
Concen: 4.11 ng
RT: 7.30 min Scan# 759
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 5058

Ion	Ratio	Lower	Upper
99	100		
42	25.5	13.2	19.8#
71	42.5	25.2	37.8#

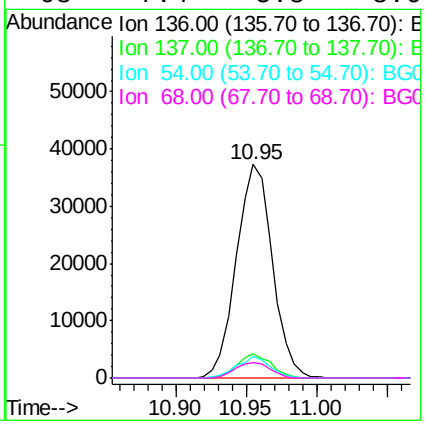


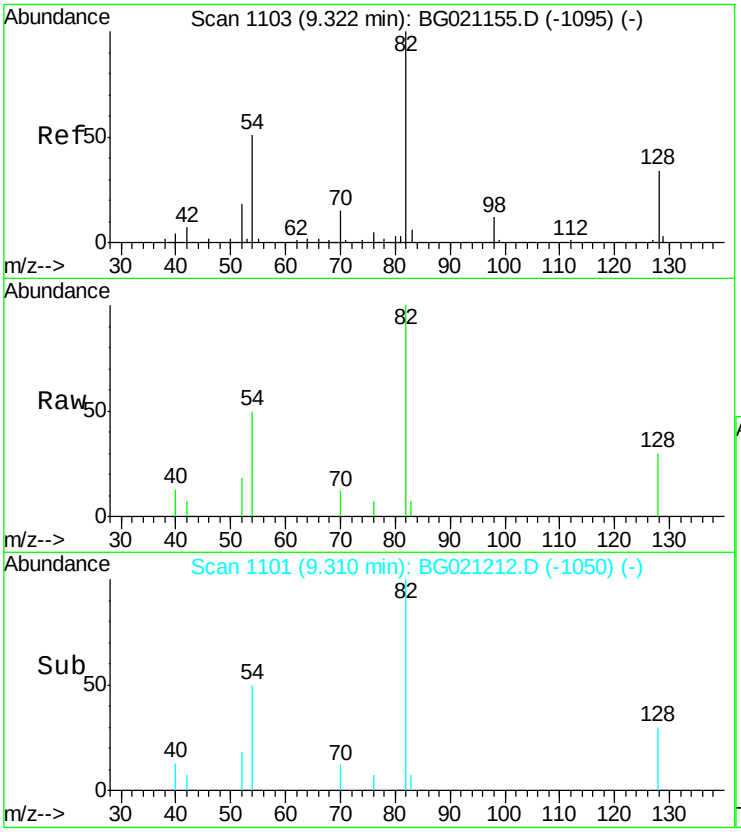


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

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



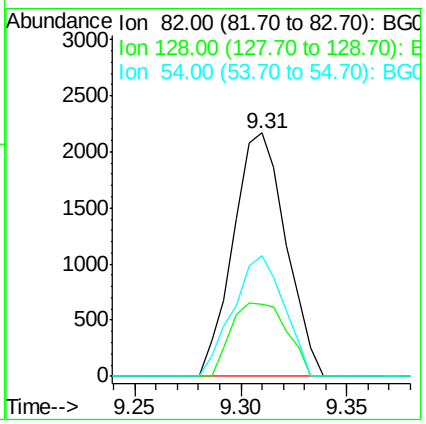


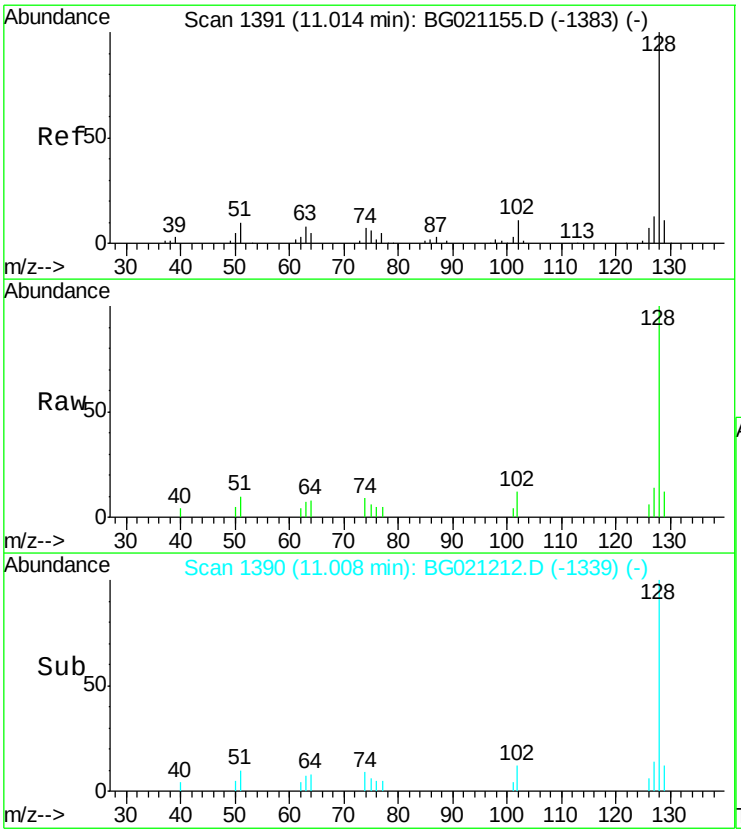
#23
Nitrobenzene-d5
Concen: 2.38 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 82 Resp: 3743

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

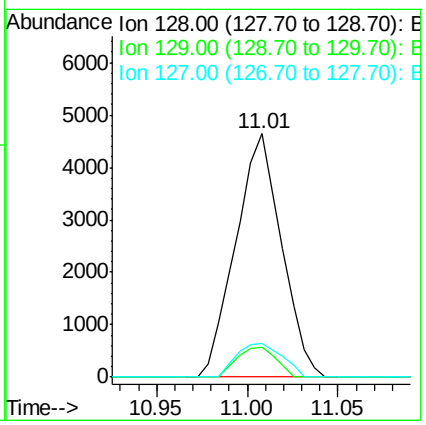


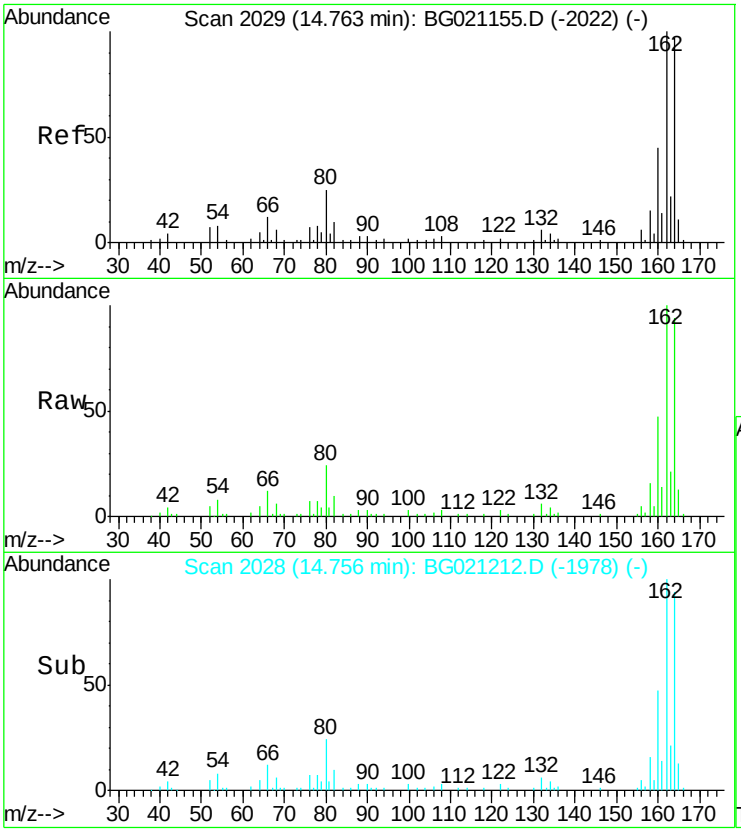


#31
Naphthalene
Concen: 2.34 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:128 Resp: 8123

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



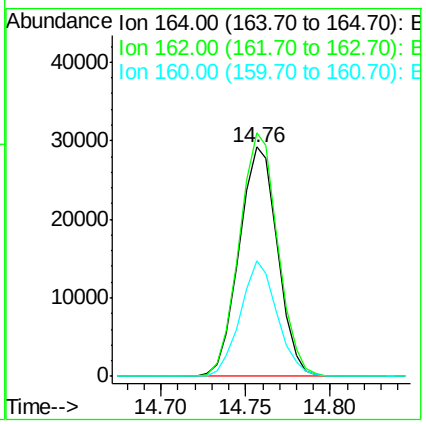


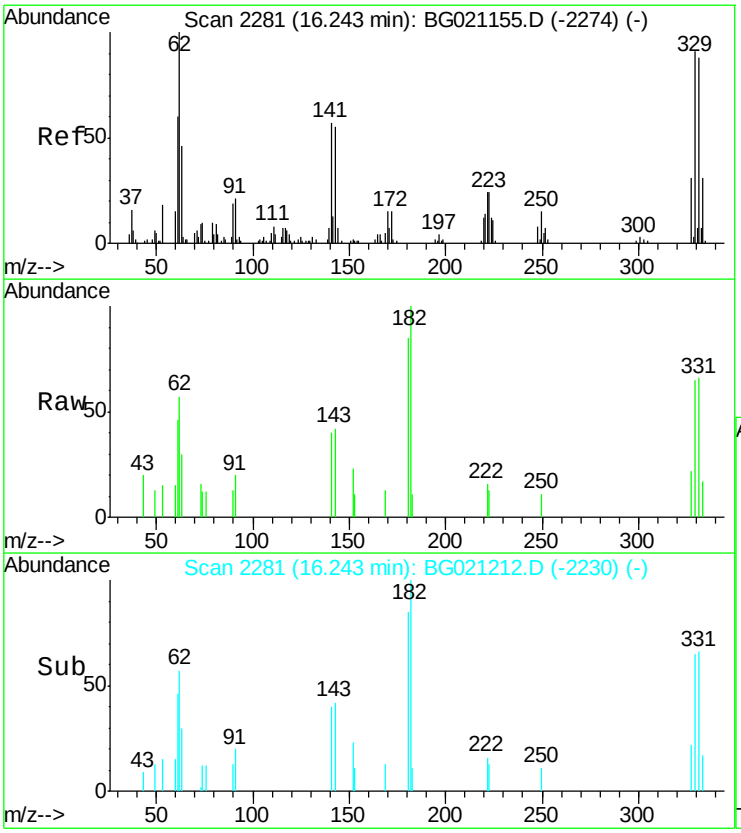
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 46165

Ion	Ratio	Lower	Upper
164	100		
162	106.3	80.6	120.8
160	50.3	36.5	54.7

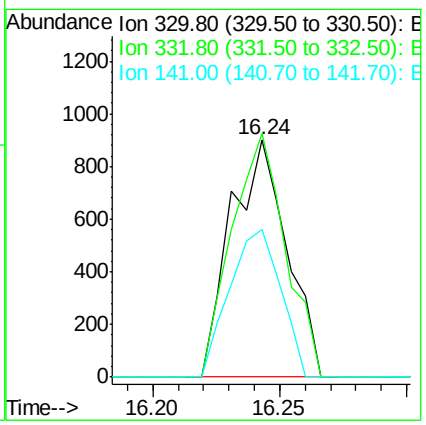


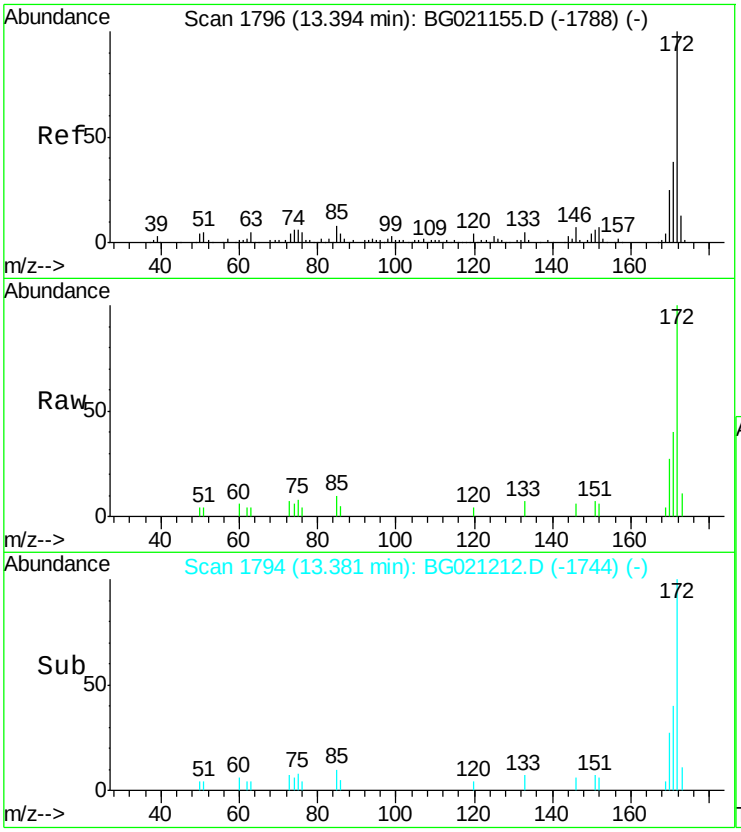


#41
2,4,6-Tribromophenol
Concen: 2.89 ng
RT: 16.24 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

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#



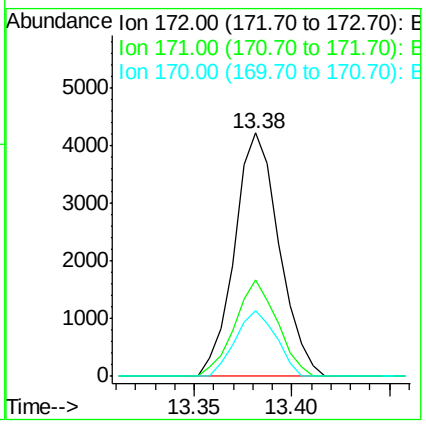


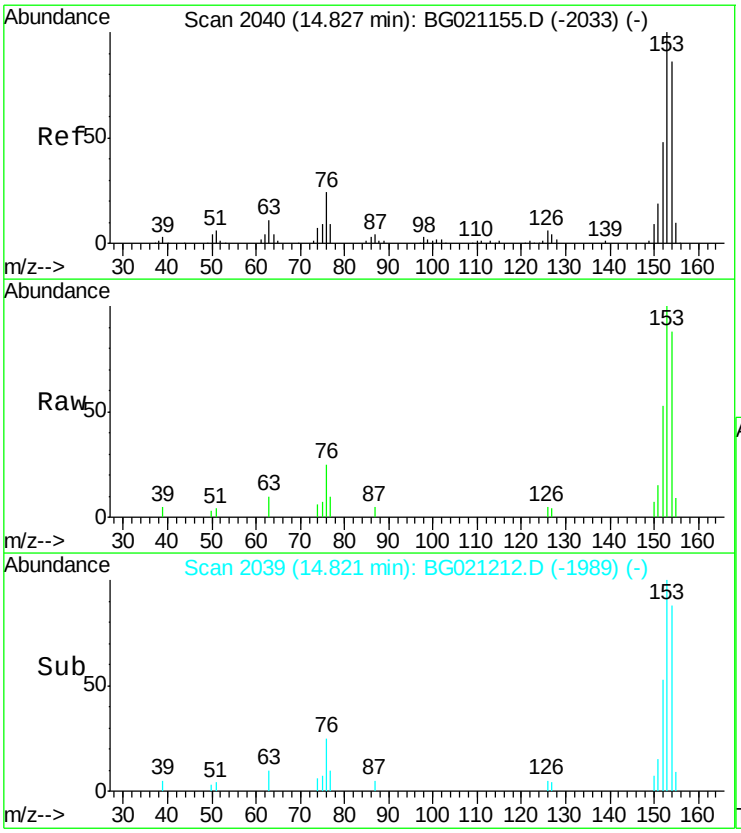
#44
2-Fluorobiphenyl
Concen: 2.05 ng
RT: 13.38 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 6671

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

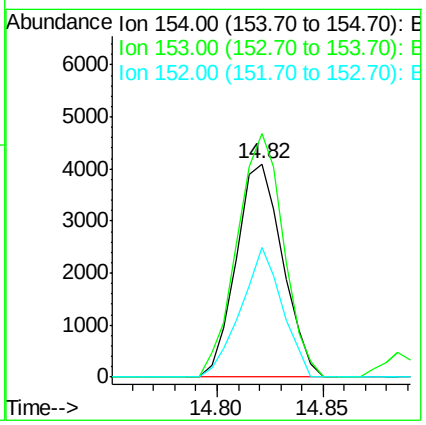


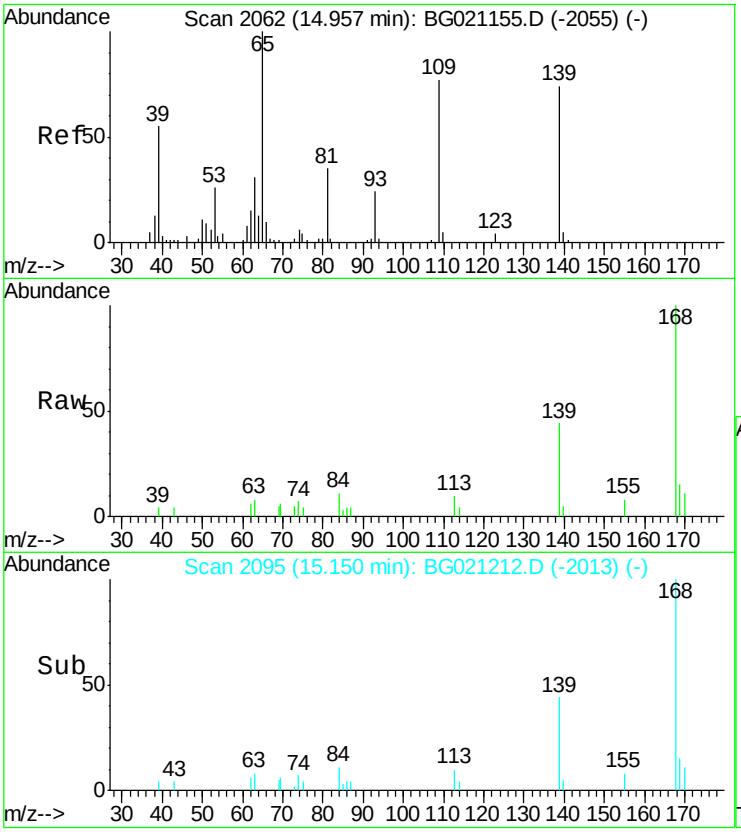


#51
Acenaphthene
Concen: 2.04 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:154 Resp: 6245

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



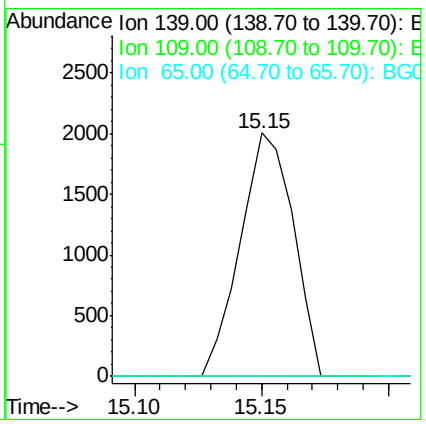


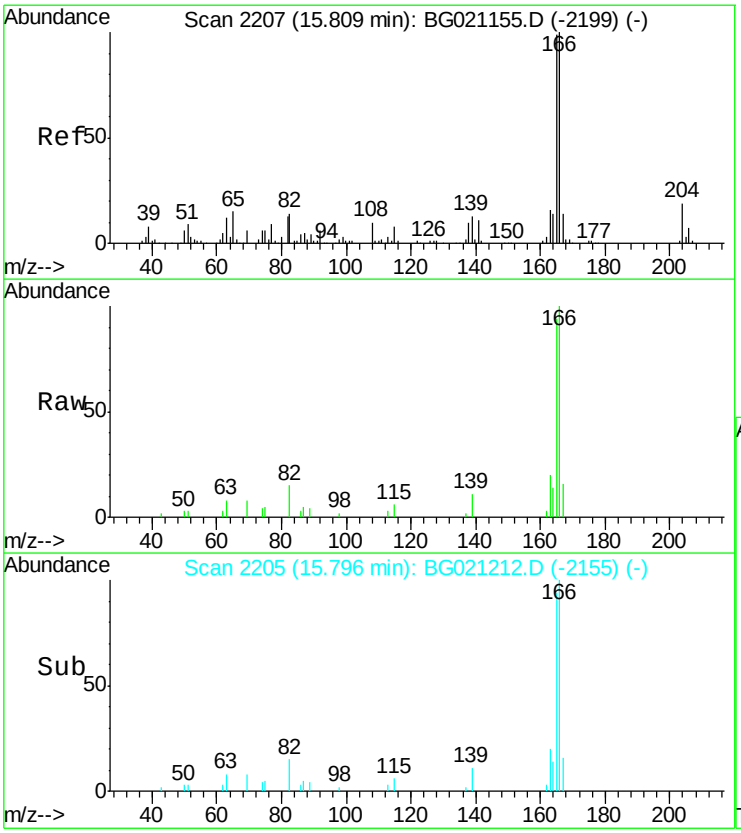
#55
4-Nitrophenol
Concen: 3.70 ng
RT: 15.15 min Scan# 2095
Delta R.T. 0.18 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:139 Resp: 2927

Ion	Ratio	Lower	Upper
139	100		
109	0.0	54.1	94.1#
65	0.0	73.4	113.4#

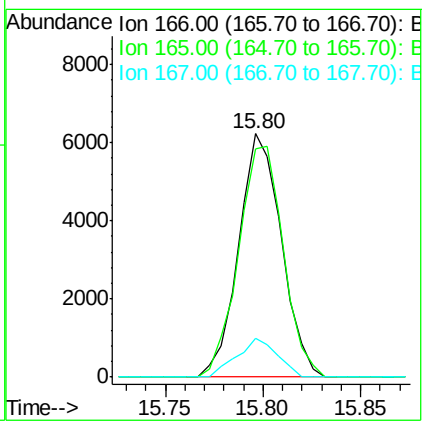


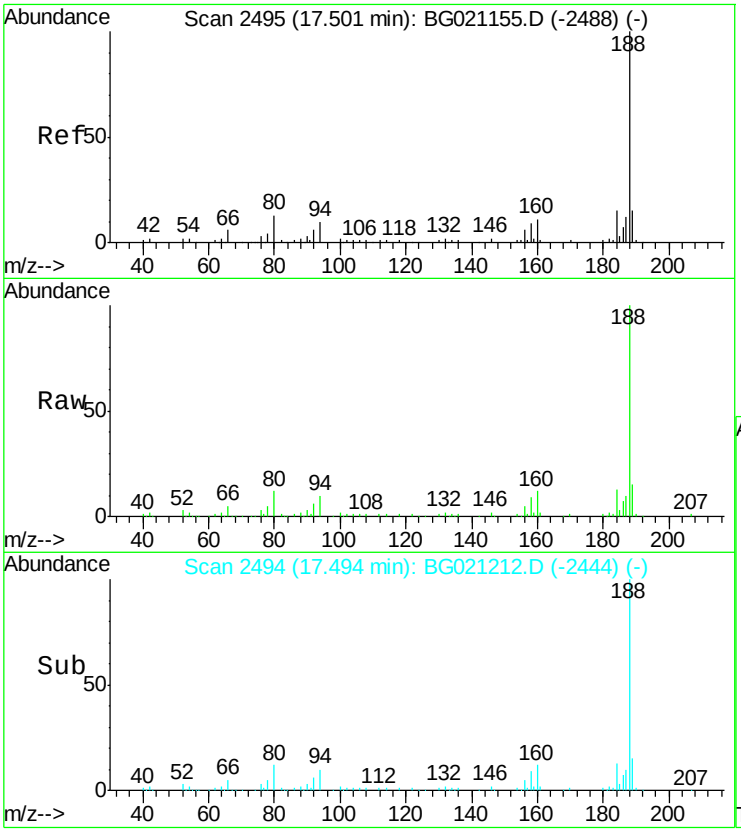


#57
Fluorene
Concen: 2.42 ng
RT: 15.80 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:166 Resp: 9422

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



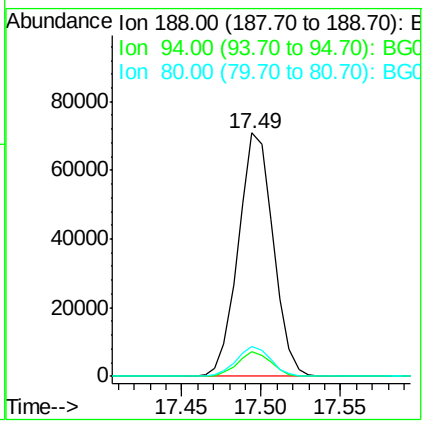


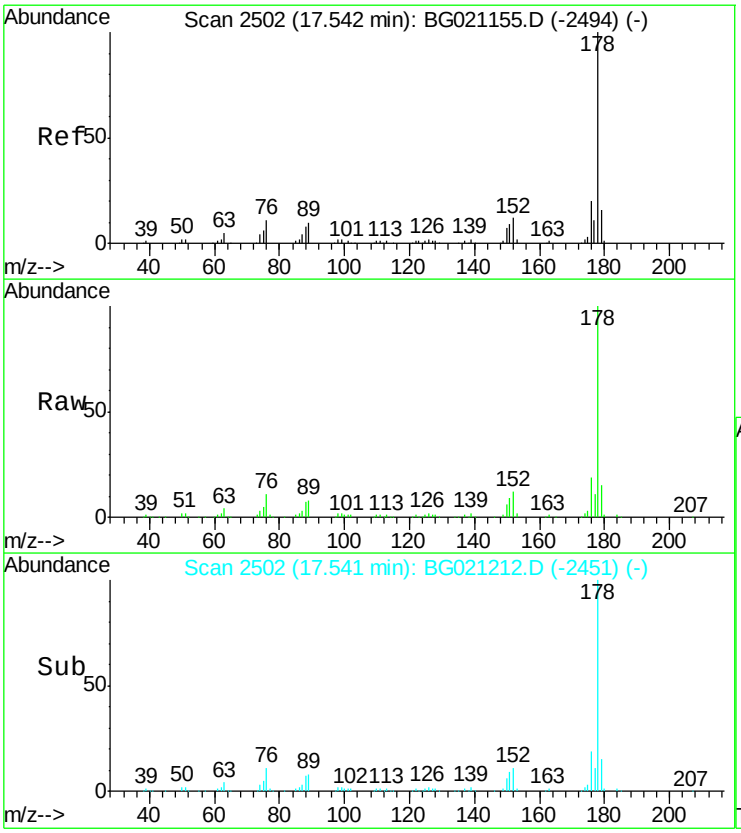
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 108010

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

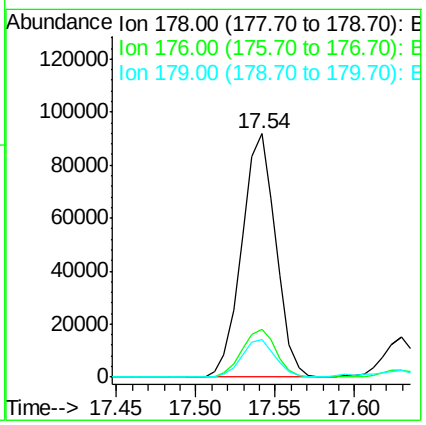


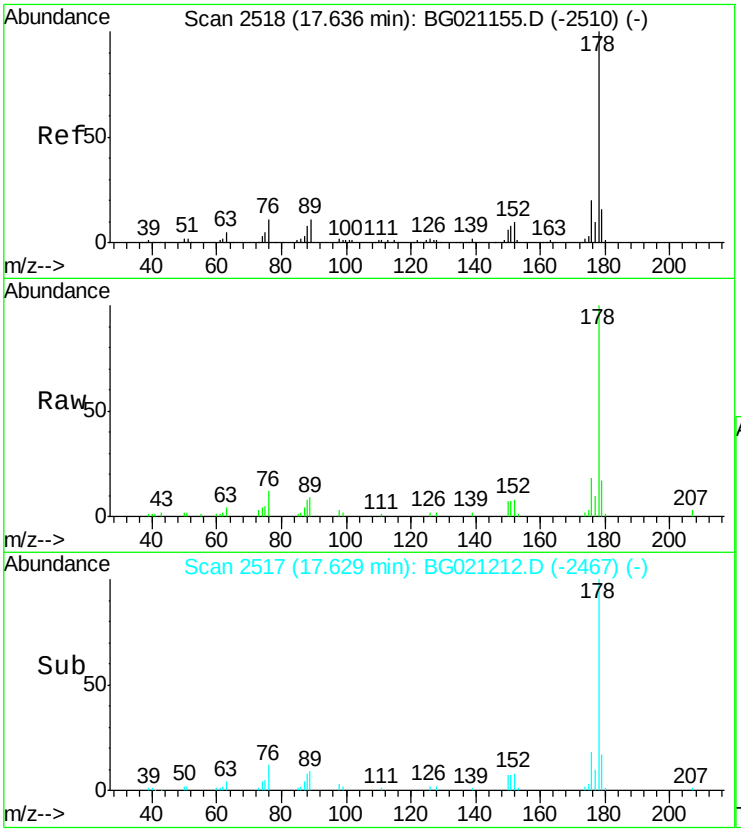


#70
Phenanthrene
Concen: 23.42 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:178 Resp: 136503

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.2	12.9	19.3



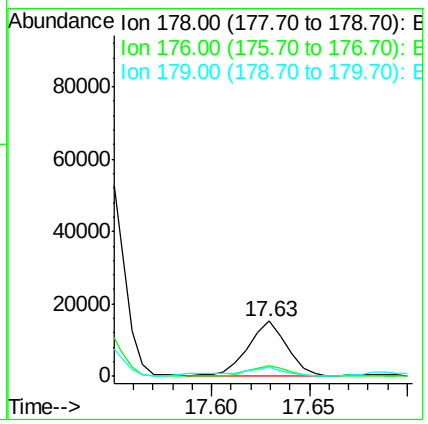


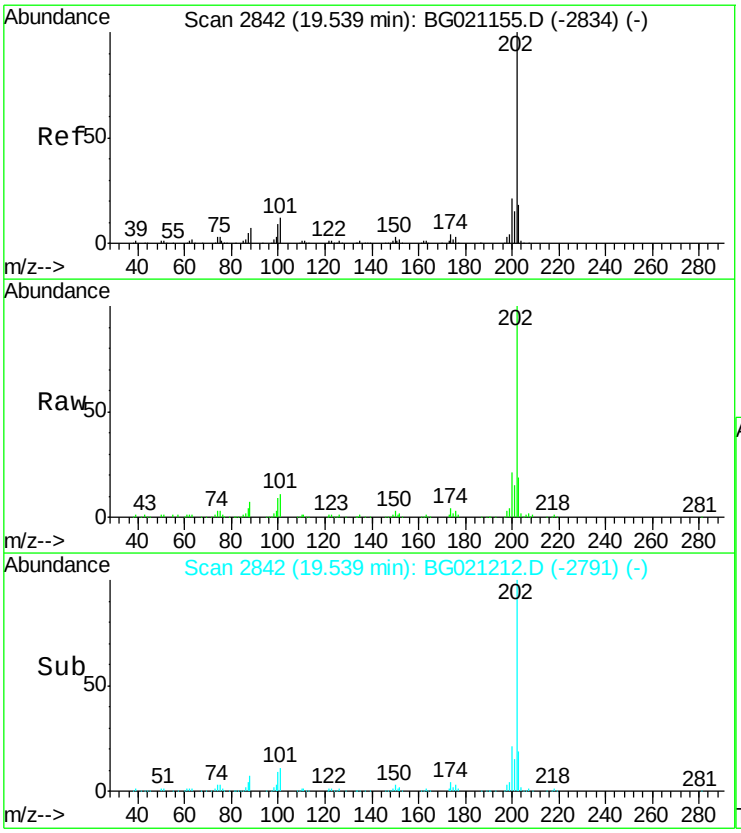
#71
Anthracene
Concen: 3.48 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 20761

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

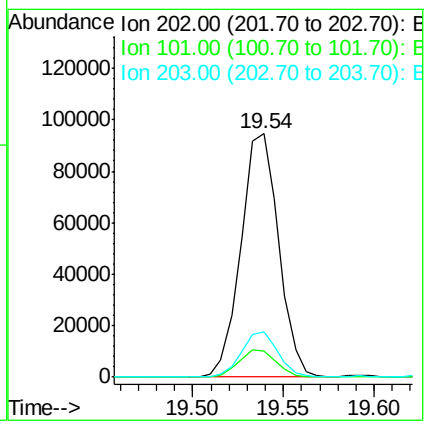


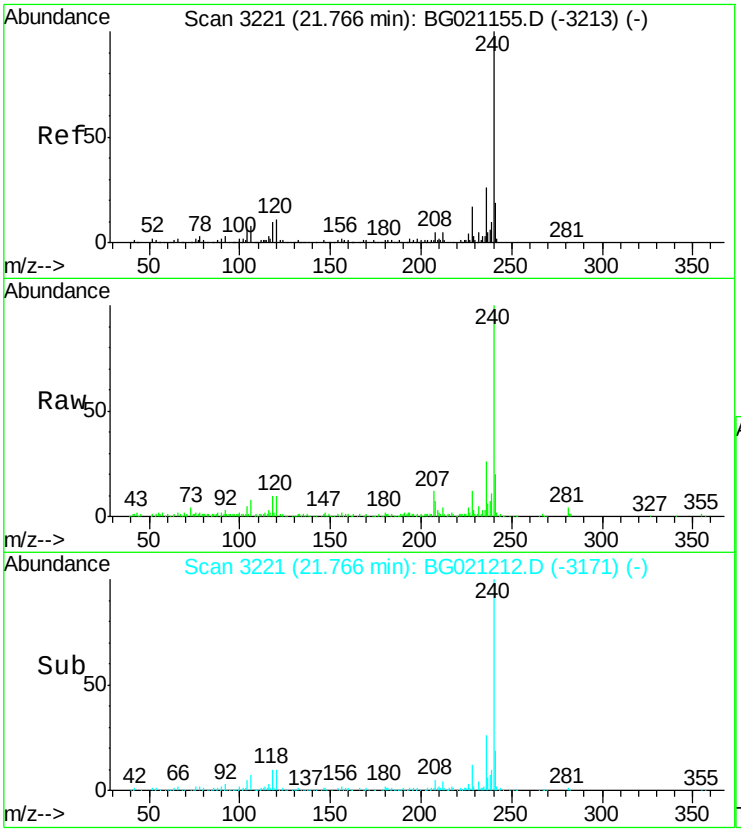


#74
Fluoranthene
Concen: 19.98 ng
RT: 19.54 min Scan# 2842
Delta R.T. -0.00 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:202 Resp: 136824

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.5
203	18.5	0.0	37.6



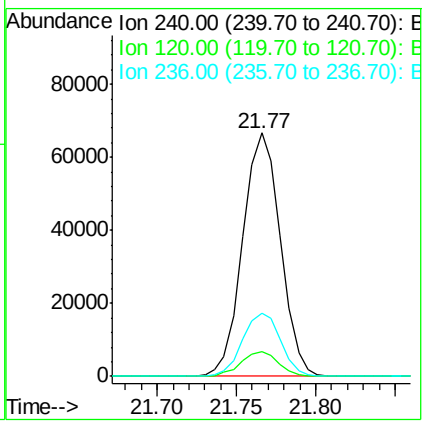


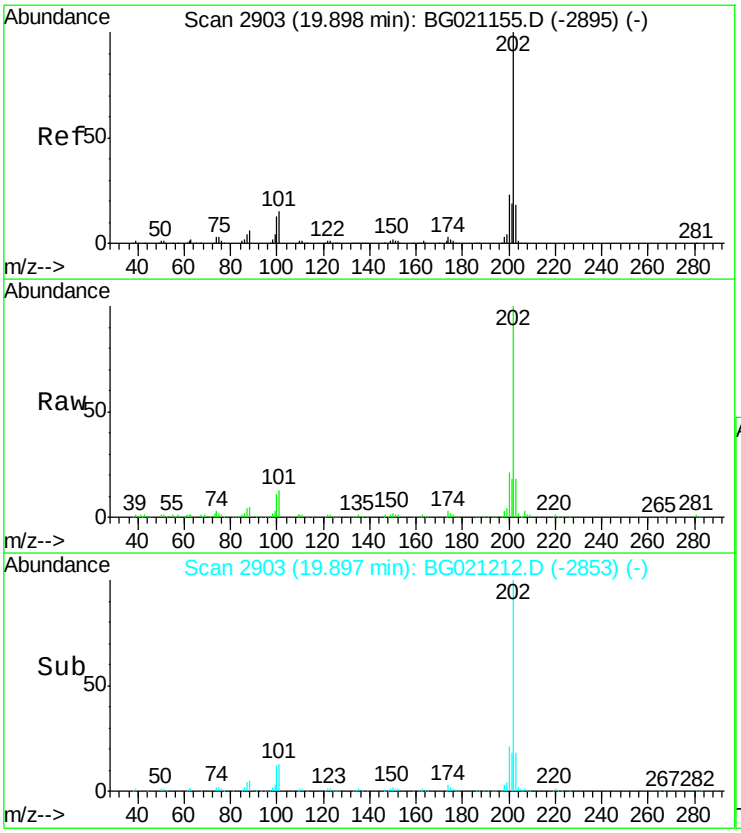
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.77 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

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

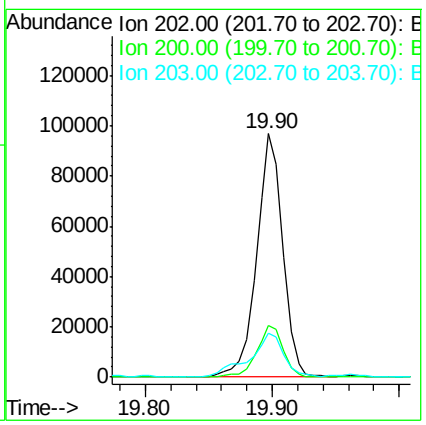


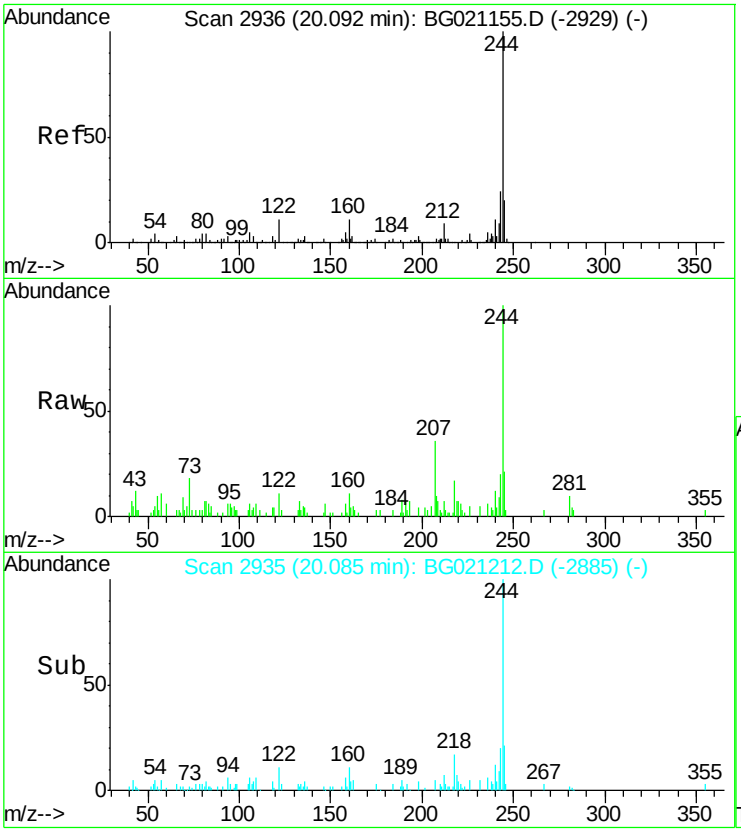


#77
Pyrene
Concen: 21.12 ng
RT: 19.90 min Scan# 2903
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:202 Resp: 138812

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



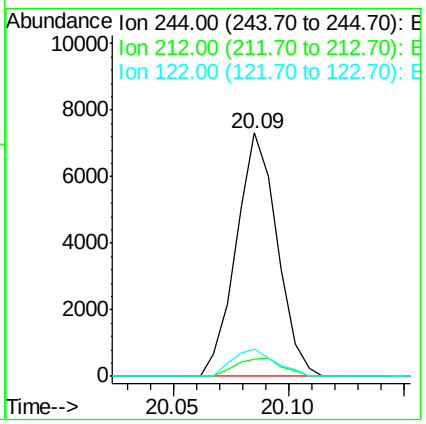


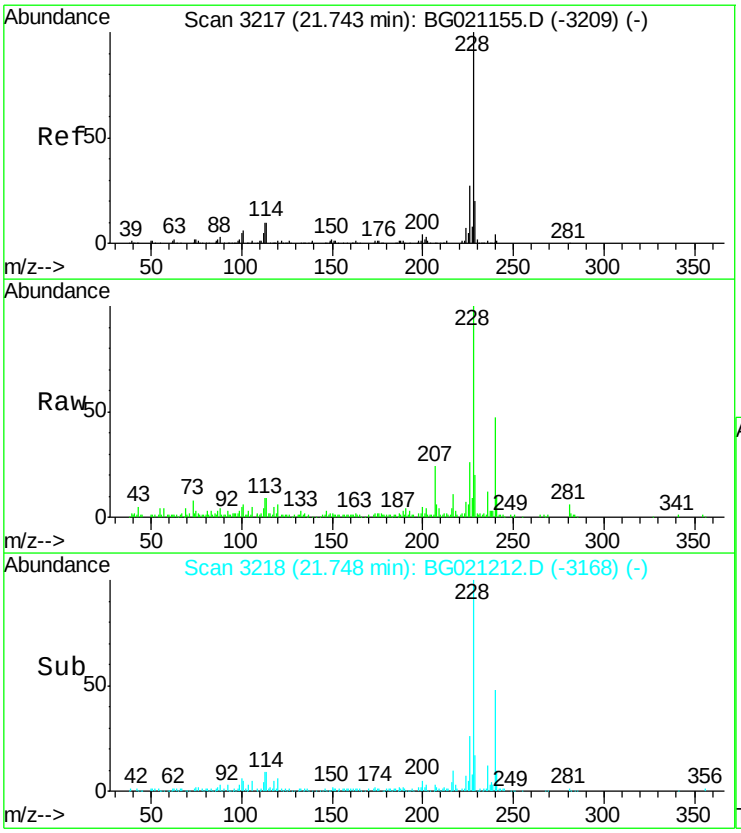
#78
Terphenyl-d14
Concen: 1.99 ng
RT: 20.09 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:244 Resp: 9063

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

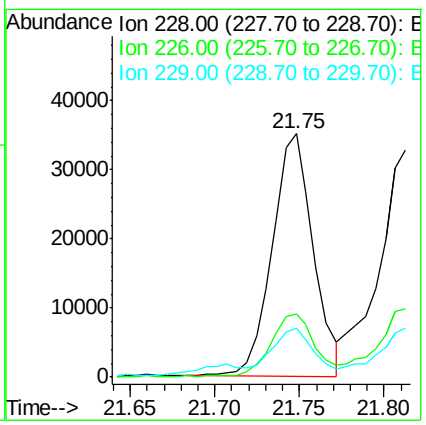


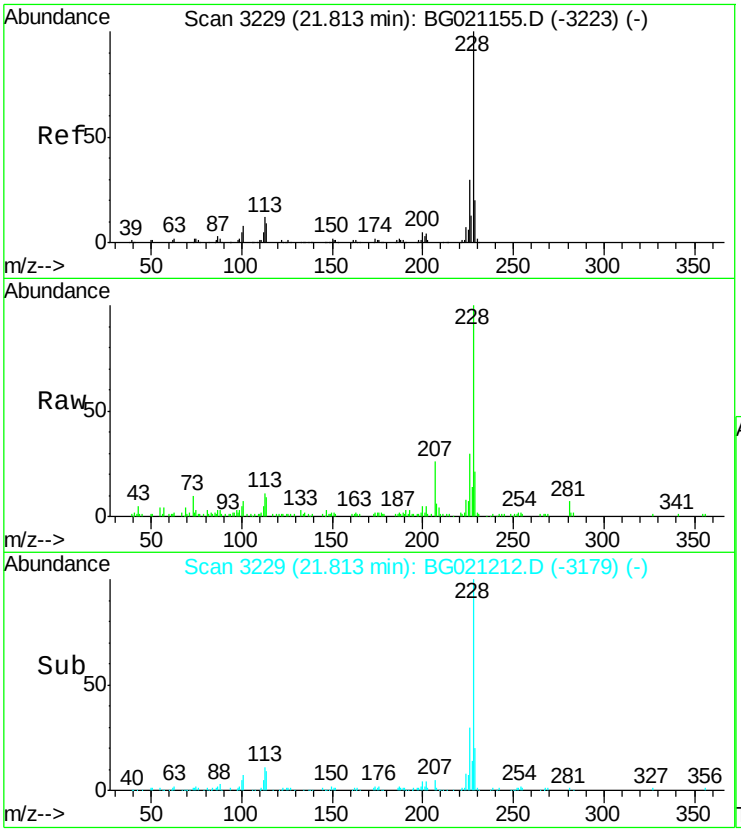


#80
Benzo(a)anthracene
Concen: 9.05 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:228 Resp: 59039

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



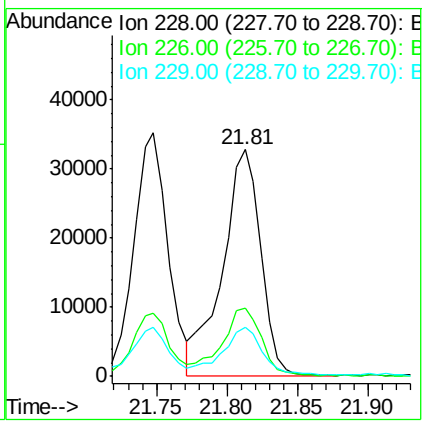


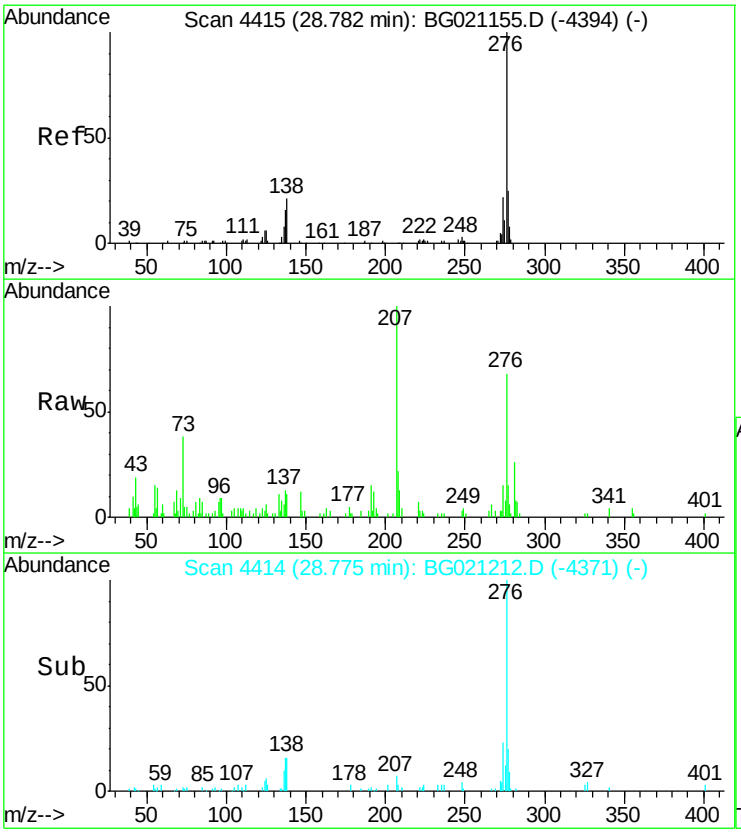
#82
Chrysene
Concen: 10.07 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 62227

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

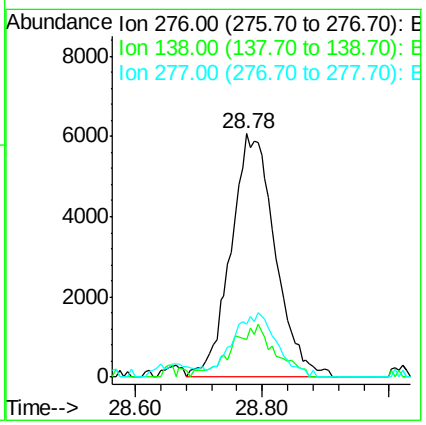


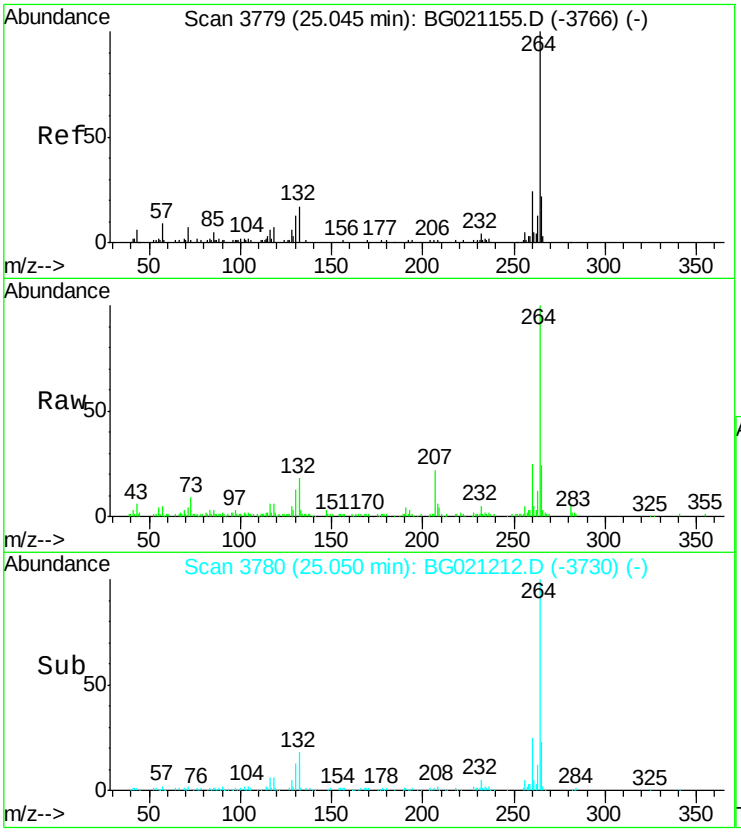


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.14 ng
RT: 28.78 min Scan# 4414
Delta R.T. -0.05 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:276 Resp: 29342

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



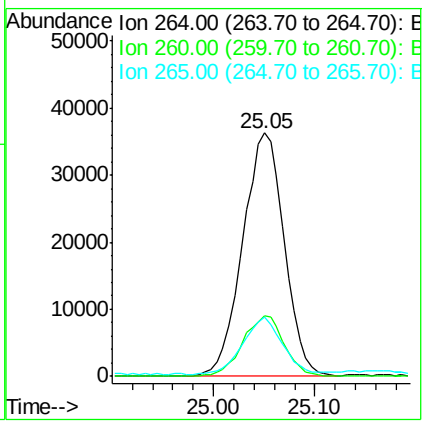


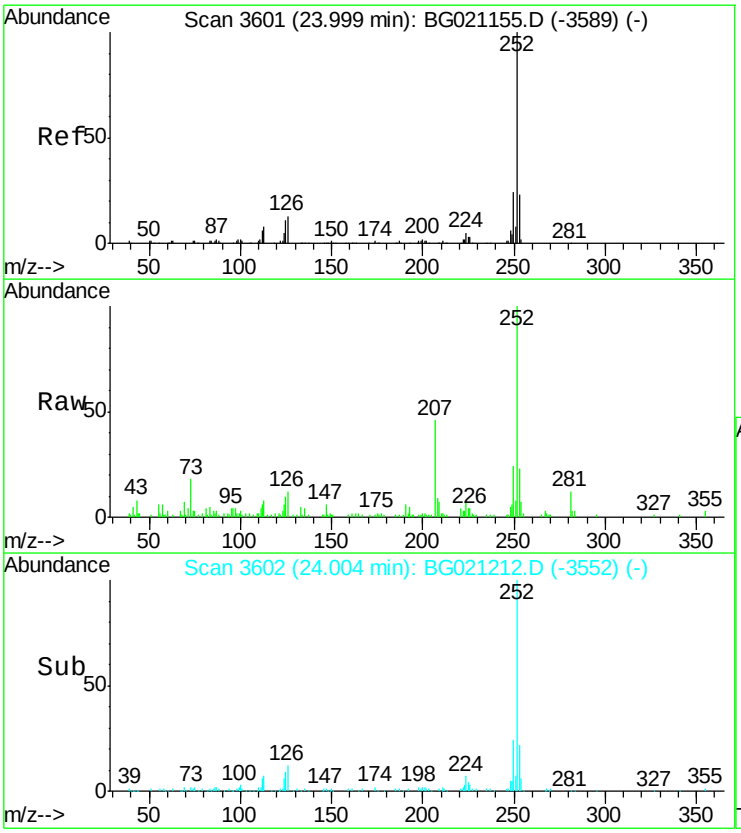
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 103306

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

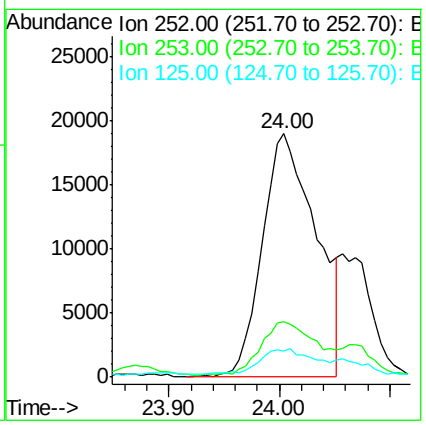


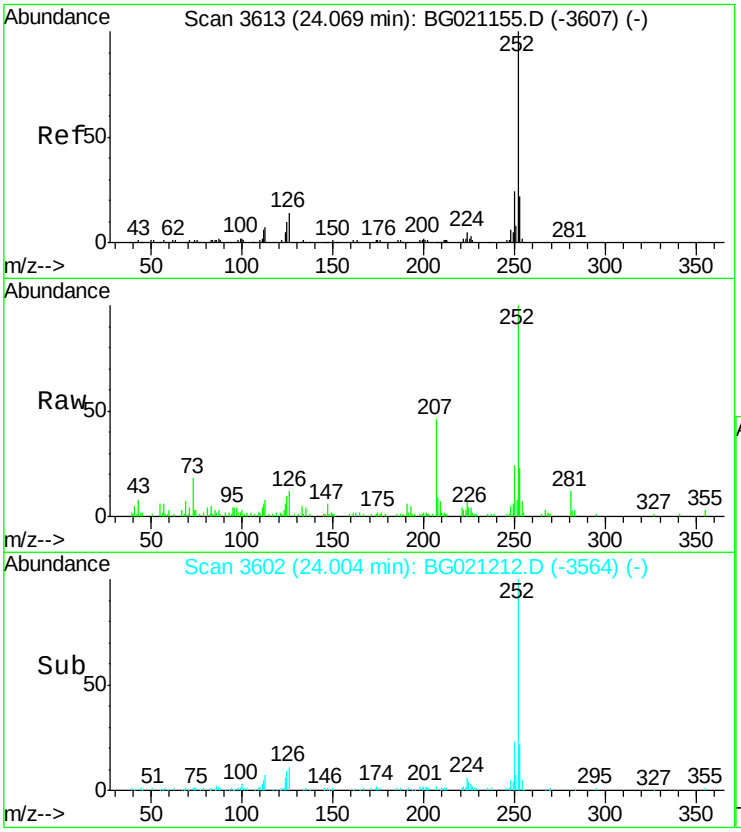


#87
Benzo(b)fluoranthene
Concen: 9.94 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:252 Resp: 64557

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



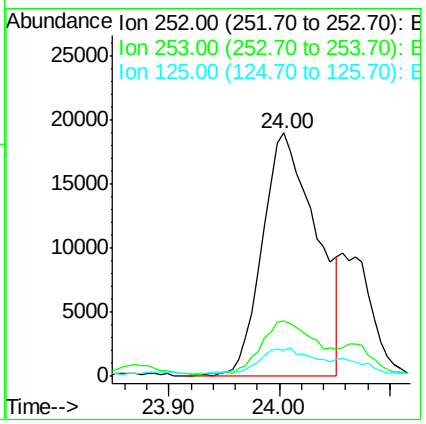


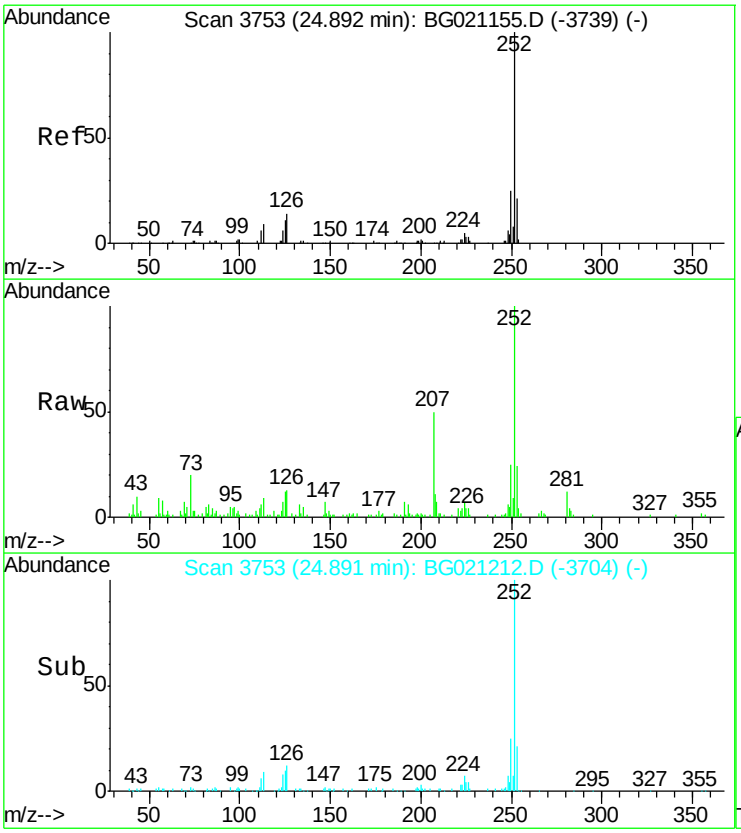
#88
Benzo(k)fluoranthene
Concen: 9.92 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.08 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 64557

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.4	24.6
125	10.5	8.2	12.2

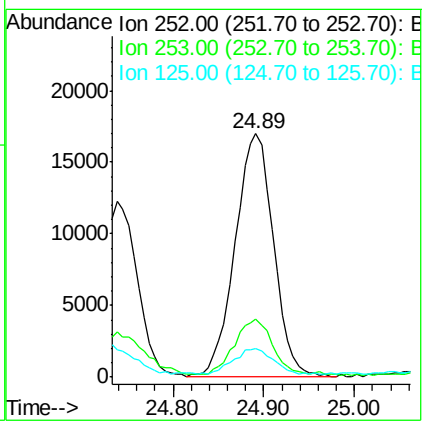


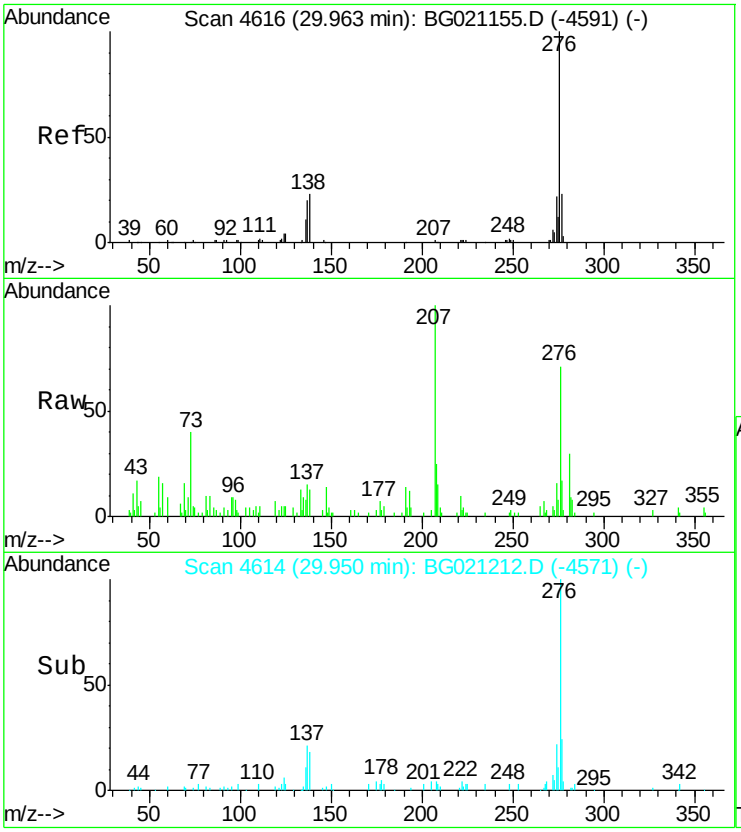


#89
Benzo(a)pyrene
Concen: 7.98 ng
RT: 24.89 min Scan# 3753
Delta R.T. -0.01 min
Lab File: BG021212.D
Acq: 2 Mar 2016 14:25

Tgt Ion:252 Resp: 50115

Ion	Ratio	Lower	Upper
252	100		
253	23.6	15.8	23.8
125	12.0	8.4	12.6





#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

Instrument :
BNA_G
ClientSampleId :

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