Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021198.D
Acq On : 2 Mar 2016 00:22
Operator : UM/SJ
Sample : H1565-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1-20160223

Manual Integrations APPROVED
Sohil
3/2/2016 9:52:10 AM

Quant Time: Mar 02 07:33:41 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	12498	20.00	ng		-0.01
21) Naphthalene-d8	10.96	136	62532	20.00	ng		0.00
38) Acenaphthene-d10	14.76	164	35223	20.00	ng		0.00
63) Phenanthrene-d10	17.49	188	74743	20.00	ng		0.00
75) Chrysene-d12	21.76	240	78779	20.00	ng		0.00
86) Perylene-d12	25.03	264	74776	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	22020	28.01	ng		0.00
7) Phenol-d6	7.29	99	149758	115.85	ng		0.00
23) Nitrobenzene-d5	9.31	82	150195	101.64	ng		0.00
41) 2,4,6-Tribromophenol	16.24	330	4466	12.19	ng		0.00
44) 2-Fluorobiphenyl	13.39	172	231906	93.49	ng		0.00
78) Terphenyl-d14	20.08	244	280890	86.38	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.01	128	33882	10.39	ng		99
37) 2-Methylnaphthalene	12.60	142	16187	6.97	ng	#	93
49) Dimethylphthalate	14.20	163	48839	15.56	ng		97
51) Acenaphthene	14.82	154	10595	4.53	ng		96
54) Dibenzofuran	15.15	168	10263	3.29	ng	#	81
57) Fluorene	15.80	166	16262	5.47	ng		94
70) Phenanthrene	17.53	178	231525	57.40	ng		99
71) Anthracene	17.62	178	37379	9.06	ng		98
72) Carbazole	17.89	167	13982	3.82	ng		95
74) Fluoranthene	19.53	202	304395	64.23	ng		99
77) Pyrene	19.90	202	312575	66.51	ng		98
80) Benzo(a)anthracene	21.74	228	149341	32.02	ng		97
82) Chrysene	21.81	228	144493	32.69	ng		97
85) Indeno(1,2,3-cd)pyrene	28.76	276	59540	11.75	ng	#	100
87) Benzo(b)fluoranthene	23.99	252	154743	32.90	ng		94
88) Benzo(k)fluoranthene	24.05	252	59756m	12.69	ng		
89) Benzo(a)pyrene	24.88	252	123958	27.26	ng		95
90) Dibenzo(a,h)anthracene	28.80	278	16400	3.65	ng	#	82
91) Benzo(g,h,i)perylene	29.93	276	55926	12.87	ng	#	91

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

Quantitation Report (LSC Reviewed)

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BNA_G
ClientSampleId :
DUP-1-20160223

Manual Integrations APPROVED
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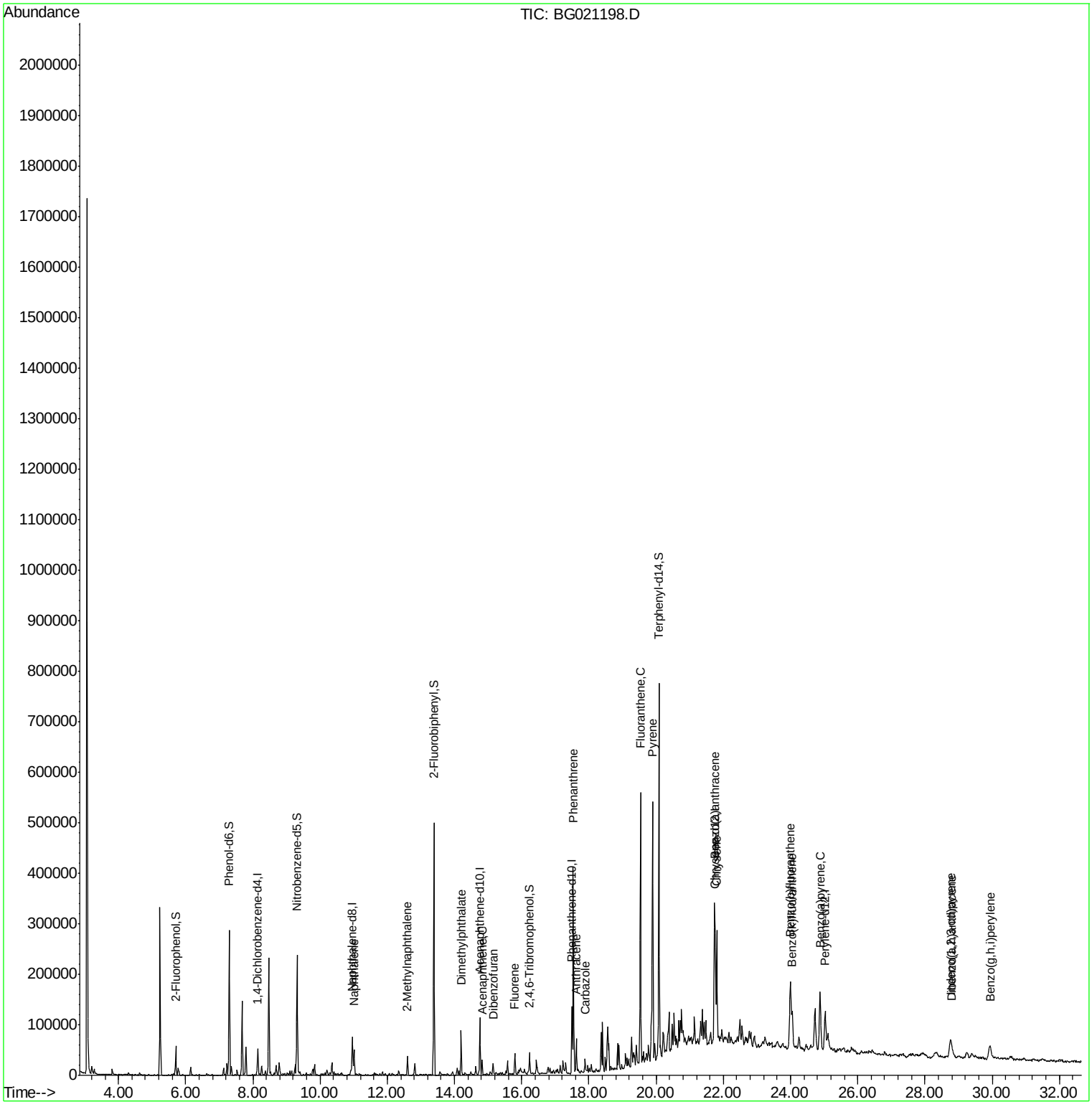
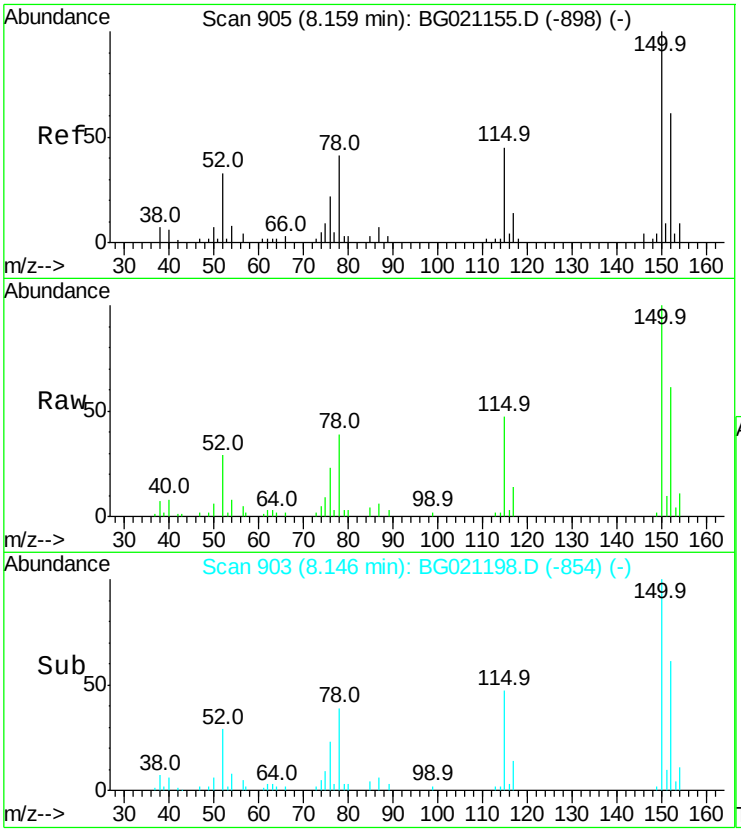
3/2/2016 9:52:10 AM

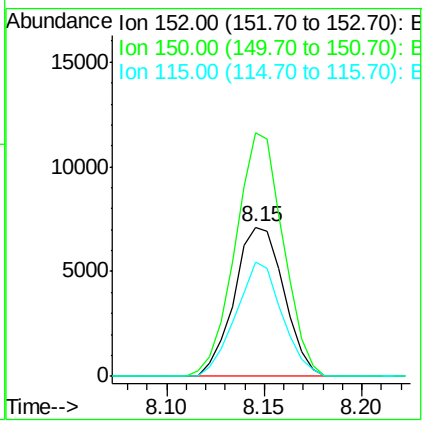




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:152 Resp: 12498

Ion	Ratio	Lower	Upper
152	100		
150	163.4	123.4	185.2
115	76.5	43.3	64.9#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

Manual Integrations APPROVED
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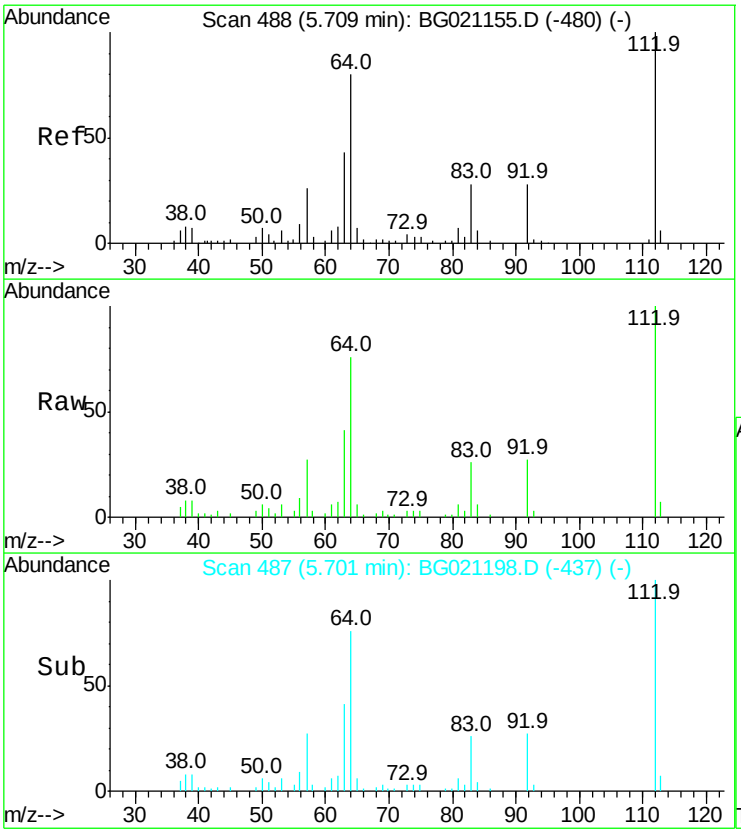
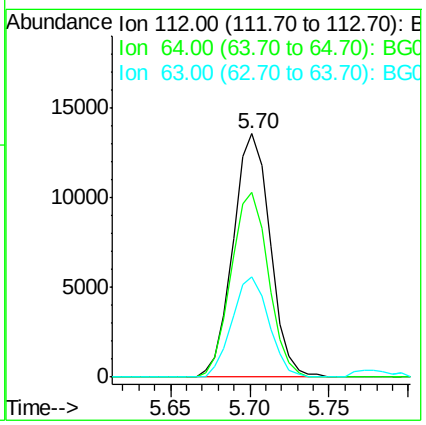
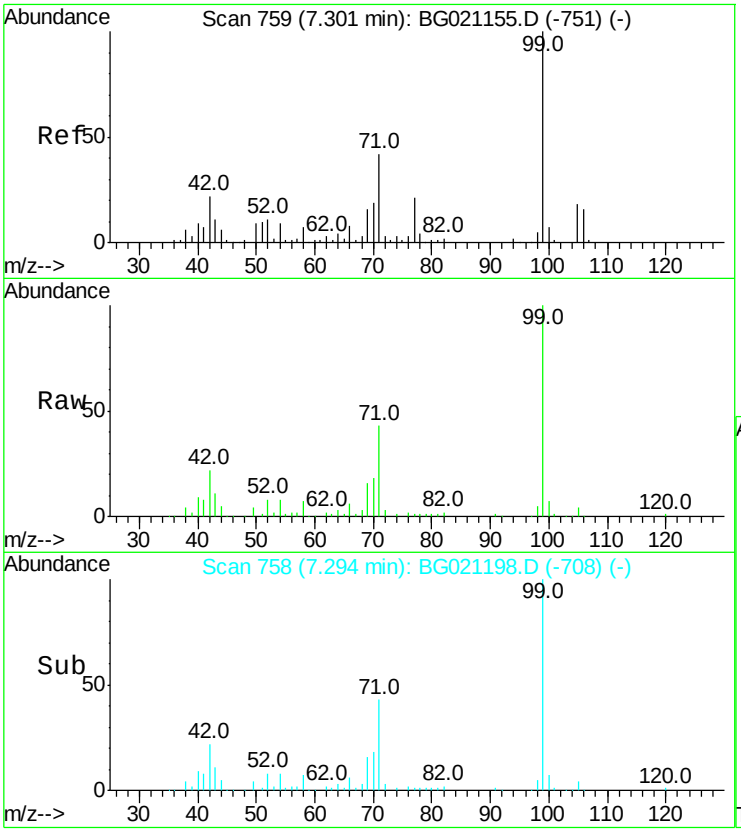


#5
2-Fluorophenol
Concen: 28.01 ng
RT: 5.70 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:112 Resp: 22020

Ion	Ratio	Lower	Upper
112	100		
64	75.9	42.6	63.8#
63	41.4	21.7	32.5#

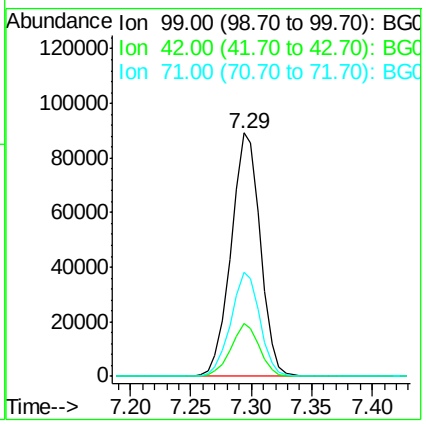




#7
Phenol-d6
Concen: 115.85 ng
RT: 7.29 min Scan# 758
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion: 99 Resp: 149758

Ion	Ratio	Lower	Upper
99	100		
42	21.6	13.2	19.8#
71	42.6	25.2	37.8#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

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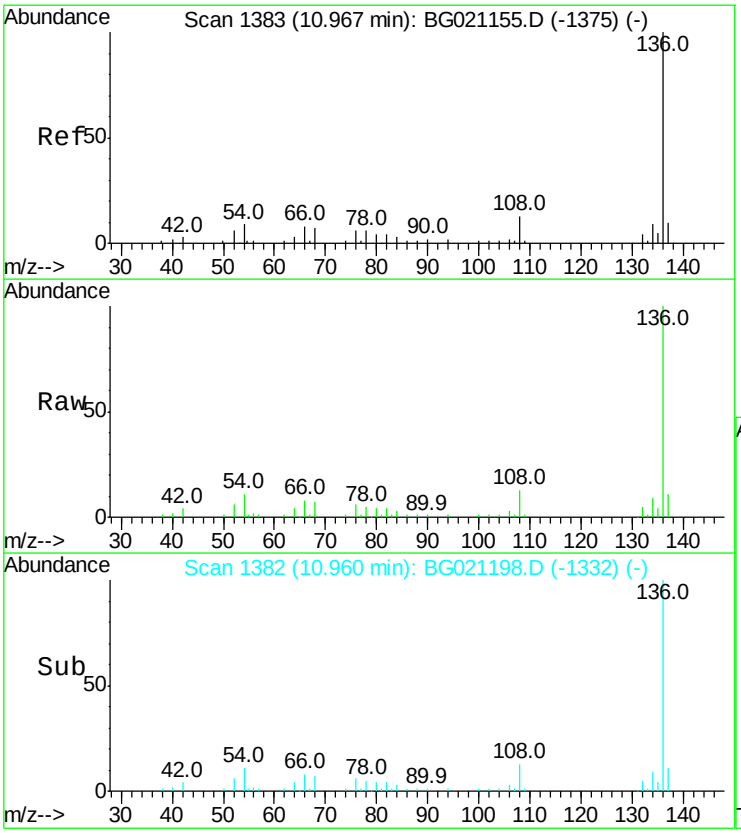
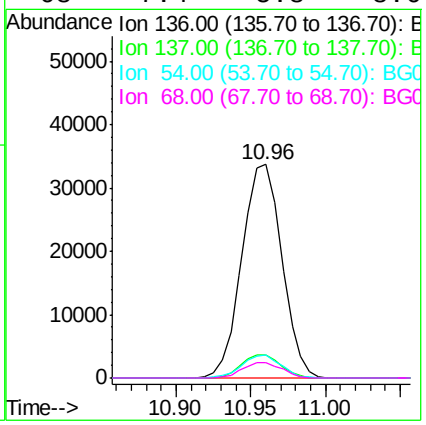
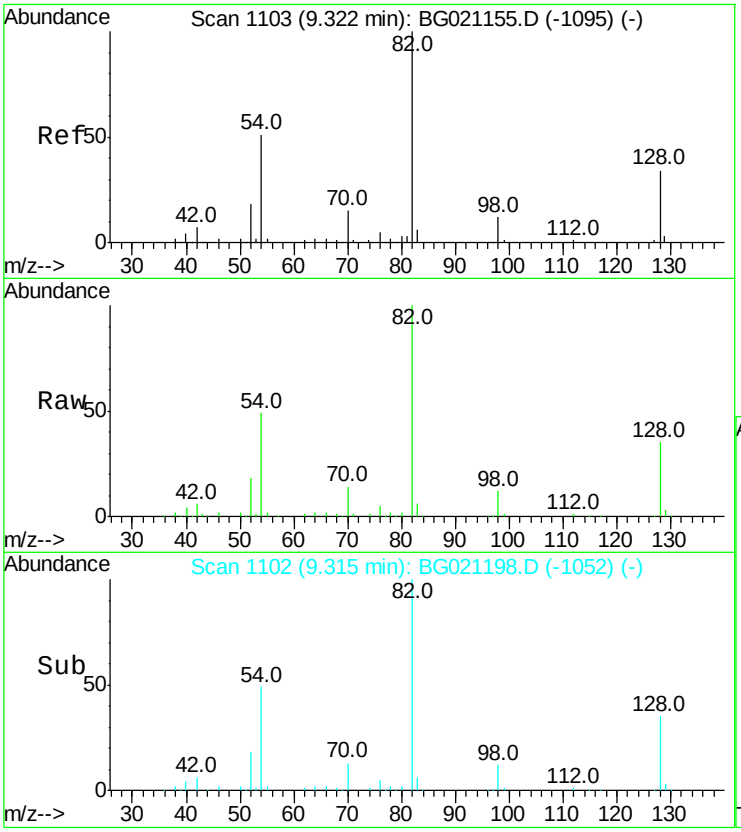


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:136 Resp: 62532

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	10.9	6.9	10.3#
68	7.4	5.8	8.6

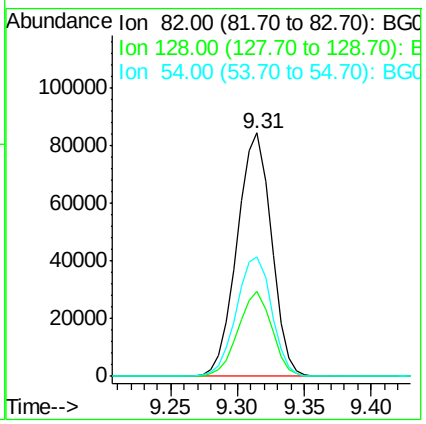




#23
Nitrobenzene-d5
Concen: 101.64 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion: 82 Resp: 150195

Ion	Ratio	Lower	Upper
82	100		
128	35.1	36.3	54.5#
54	48.8	37.6	56.4



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

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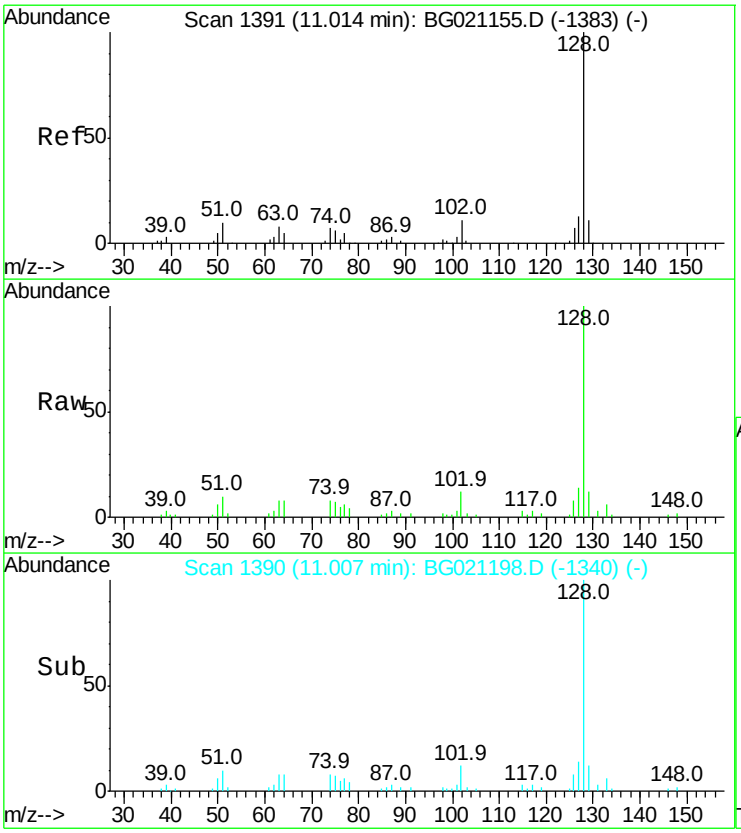
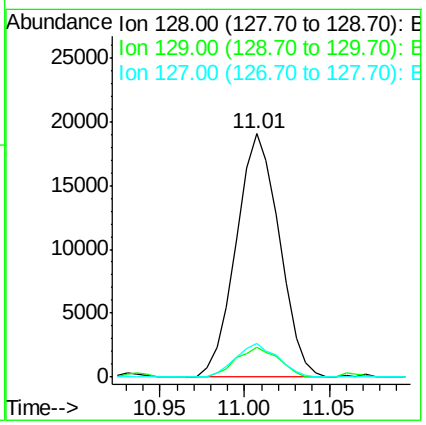
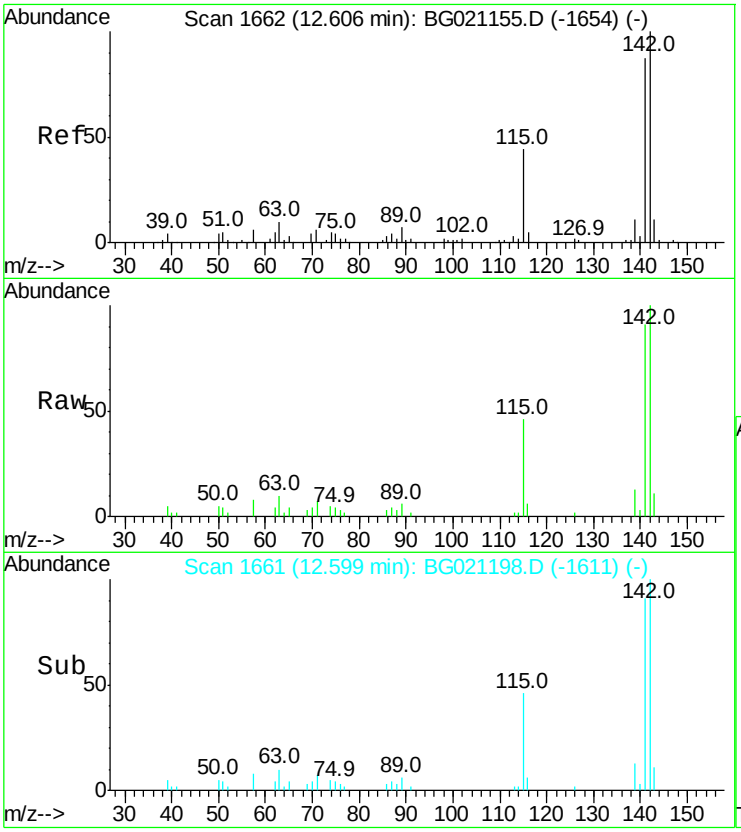


#31
Naphthalene
Concen: 10.39 ng
RT: 11.01 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:128 Resp: 33882

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.2
127	13.8	10.8	16.2

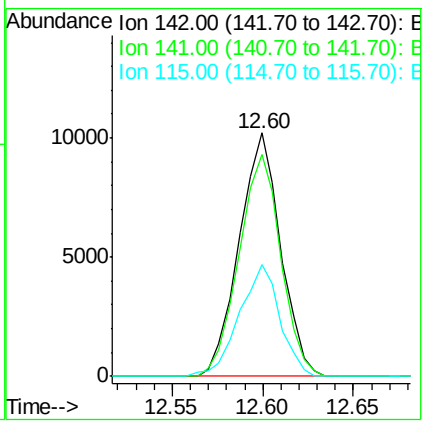




#37
2-Methylnaphthalene
Concen: 6.97 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:142 Resp: 16187

Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.7	107.5
115	45.7	26.2	39.4#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

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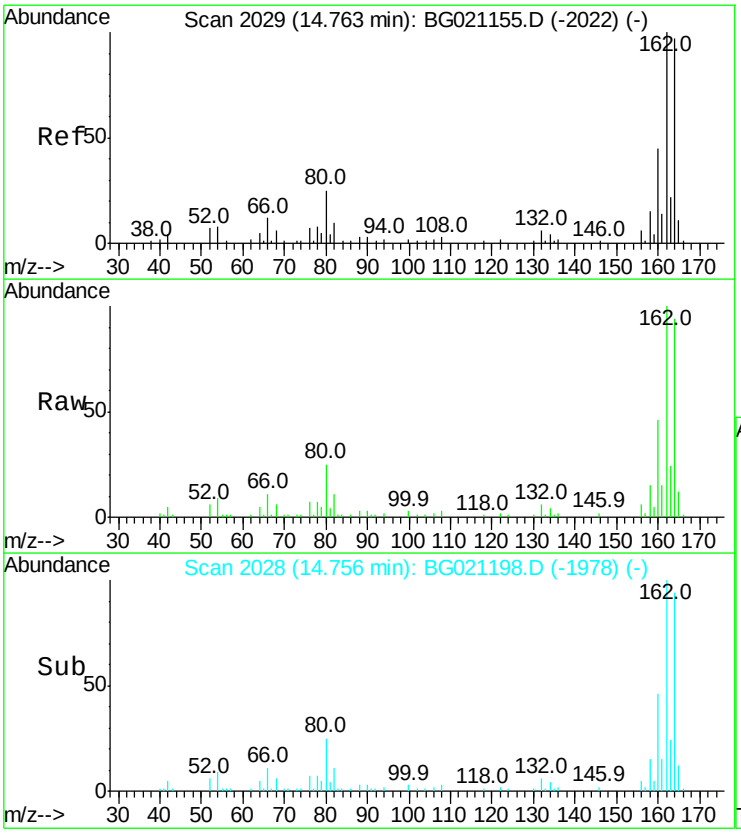
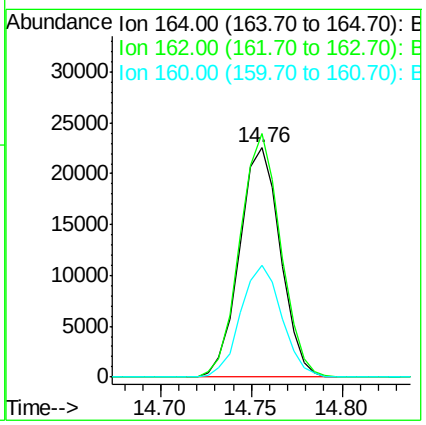
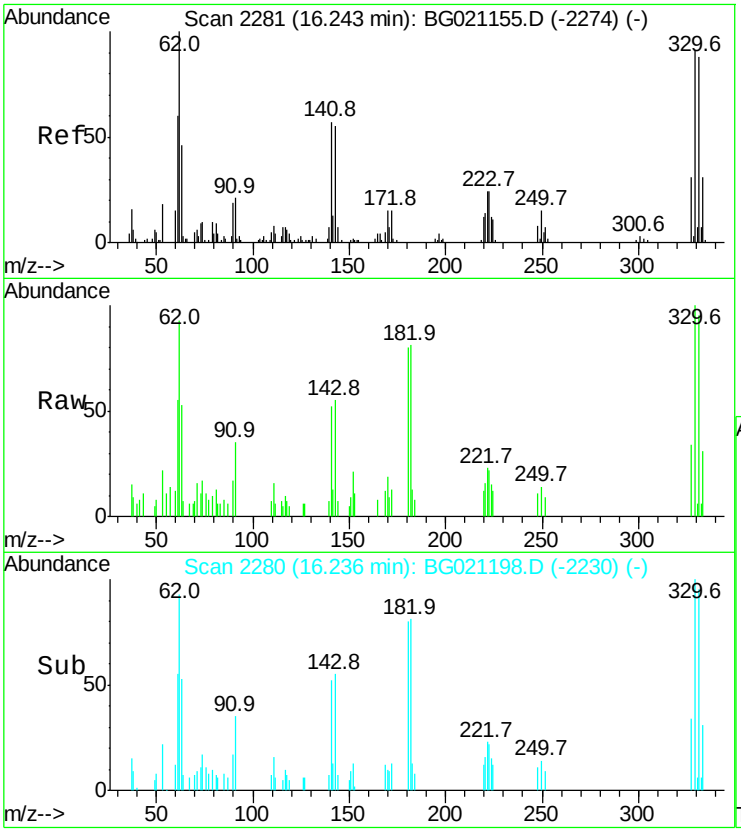


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:164 Resp: 35223

Ion	Ratio	Lower	Upper
164	100		
162	106.2	80.6	120.8
160	48.8	36.5	54.7

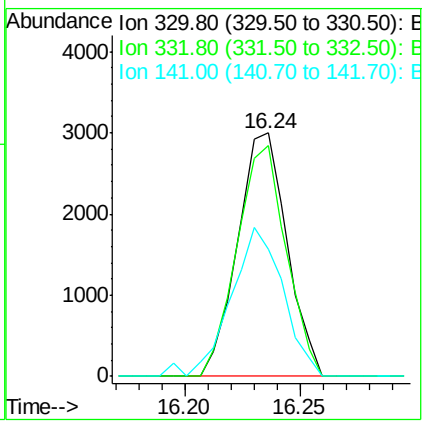




#41
2,4,6-Tribromophenol
Concen: 12.19 ng
RT: 16.24 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:330 Resp: 4466

Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.4	116.0
141	64.8	35.3	52.9#



Instrument :
BNA_G
ClientSampleId :
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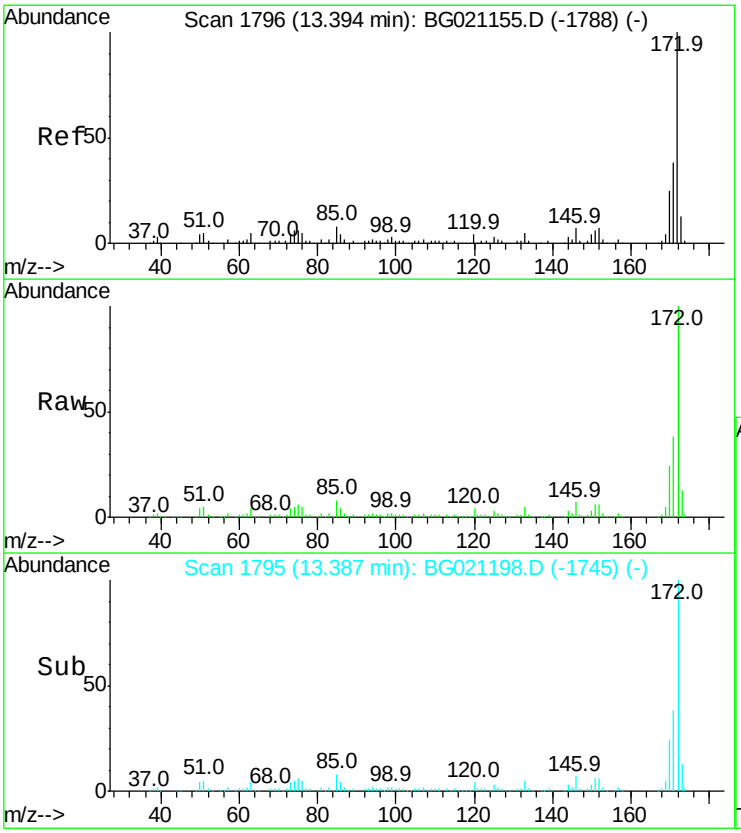
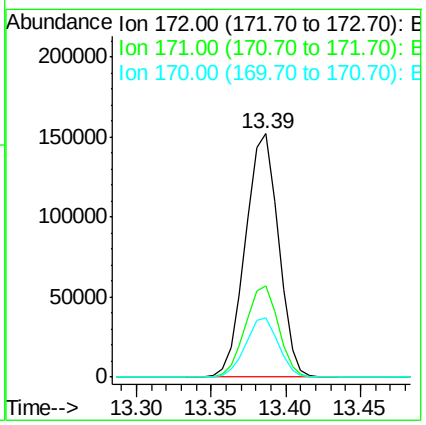
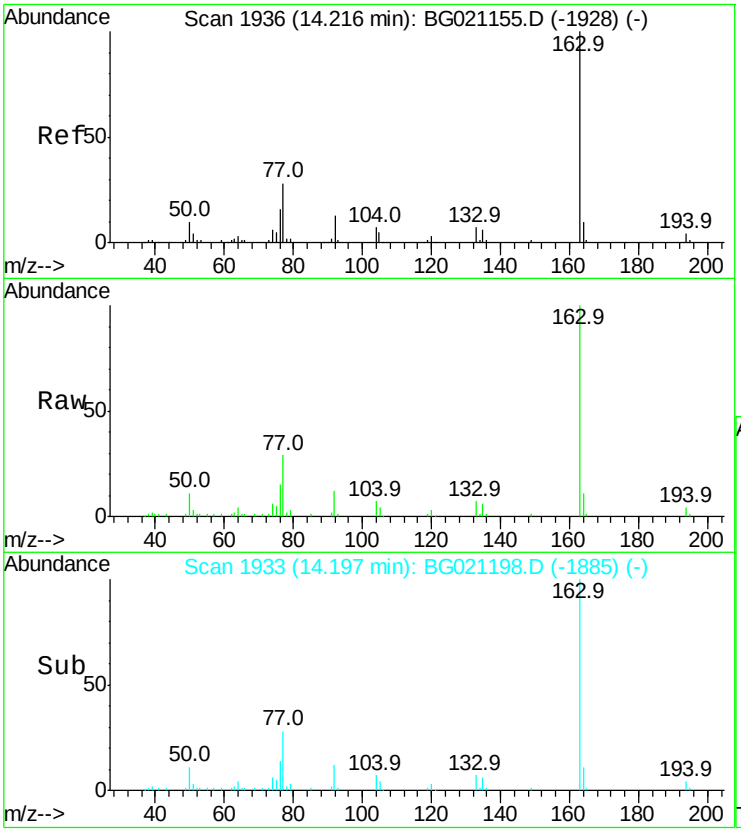


#44
2-Fluorobiphenyl
Concen: 93.49 ng
RT: 13.39 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:172 Resp: 231906

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	24.3	19.8	29.8

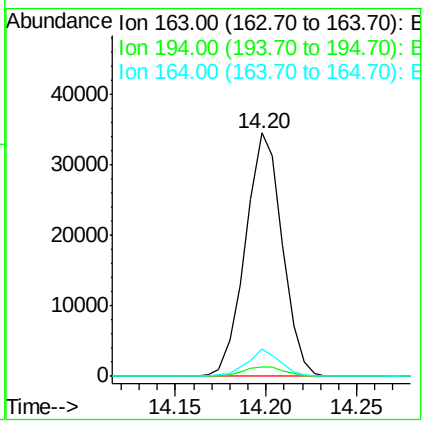




#49
Dimethylphthalate
Concen: 15.56 ng
RT: 14.20 min Scan# 1933
Delta R.T. -0.02 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:163 Resp: 48839

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	11.4	7.9	11.9



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

Manual Integrations APPROVED
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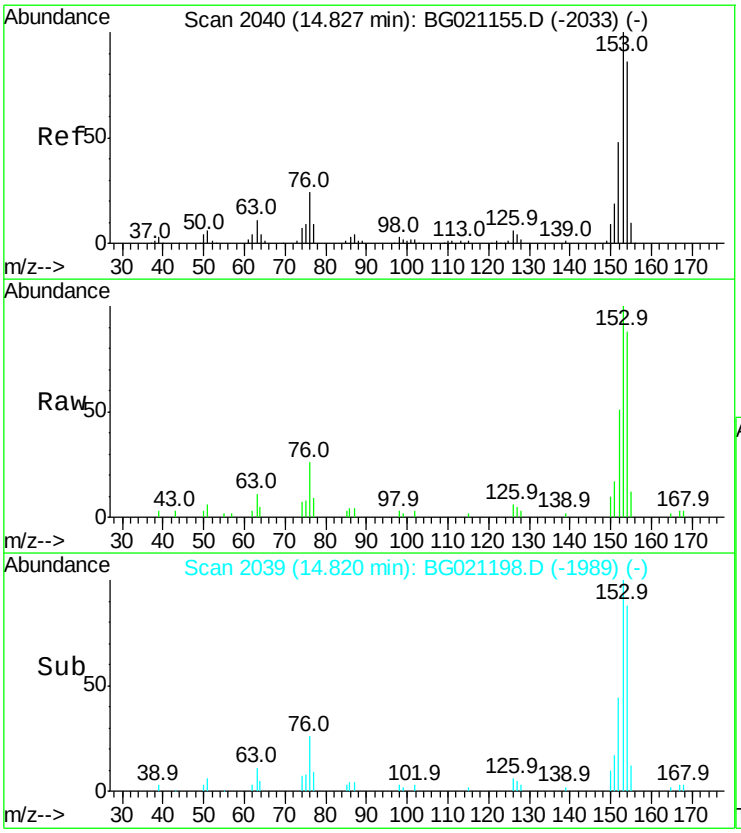
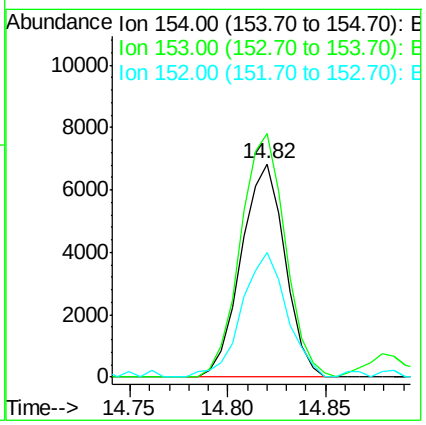
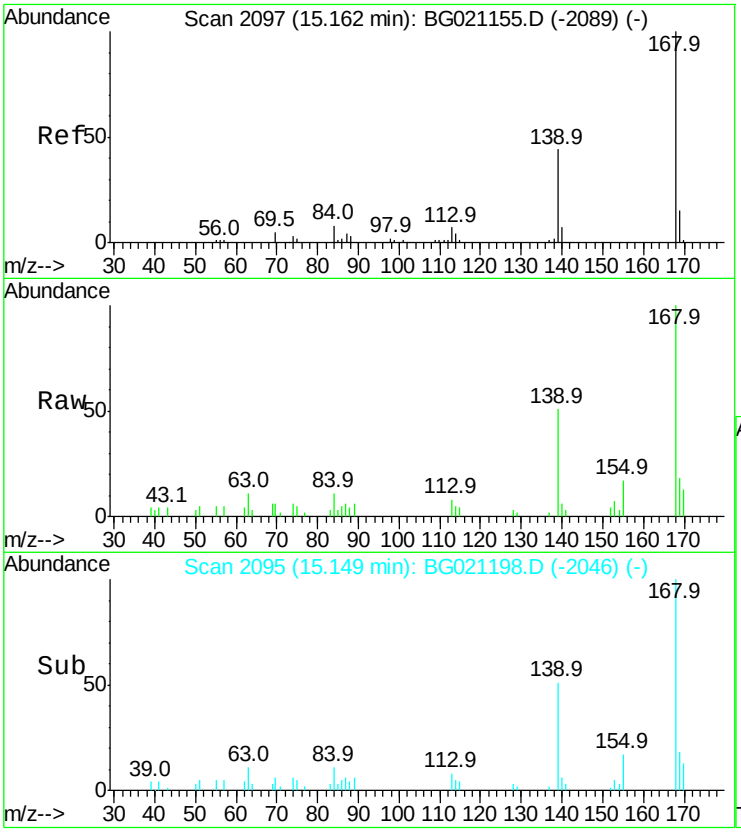


#51
Acenaphthene
Concen: 4.53 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:154 Resp: 10595

Ion	Ratio	Lower	Upper
154	100		
153	114.2	94.2	141.2
152	58.5	42.9	64.3





#54
Dibenzofuran
Concen: 3.29 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:168 Resp: 10263

Ion	Ratio	Lower	Upper
168	100		
139	51.0	29.8	44.8#
169	18.1	11.4	17.2#

Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

Manual Integrations APPROVED
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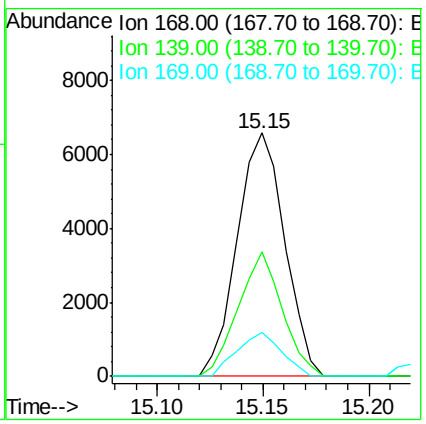
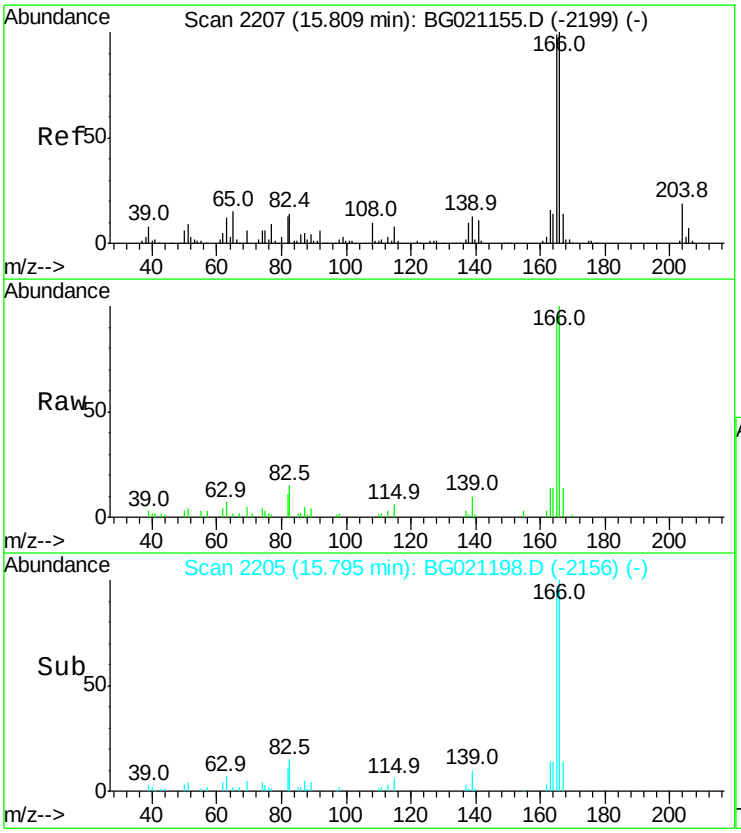
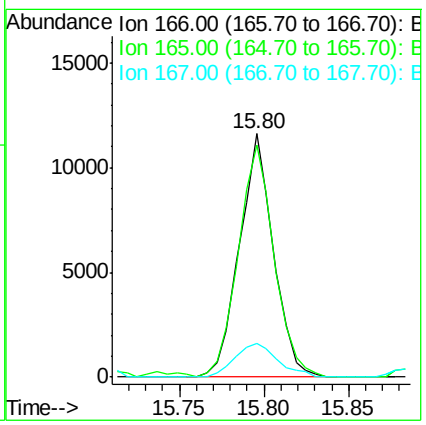


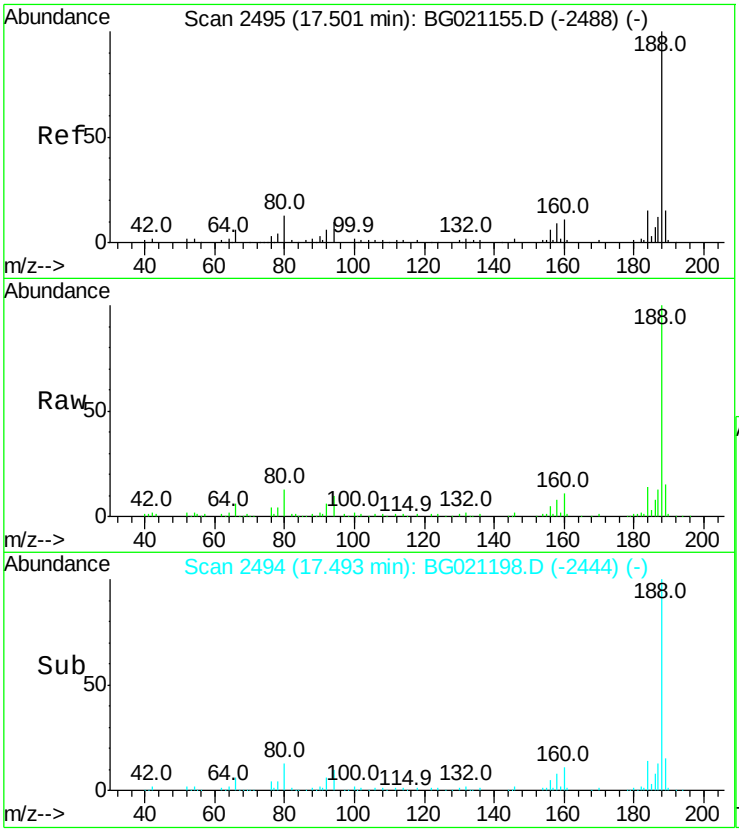


#57
Fluorene
Concen: 5.47 ng
RT: 15.80 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:166 Resp: 16262

Ion	Ratio	Lower	Upper
166	100		
165	95.1	81.3	121.9
167	13.8	10.6	16.0

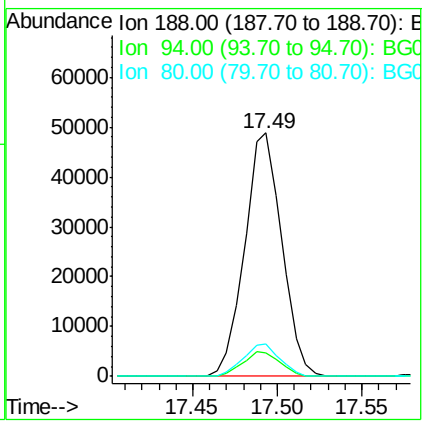




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:188 Resp: 74743

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.4
80	13.3	9.2	13.8



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

Manual Integrations APPROVED
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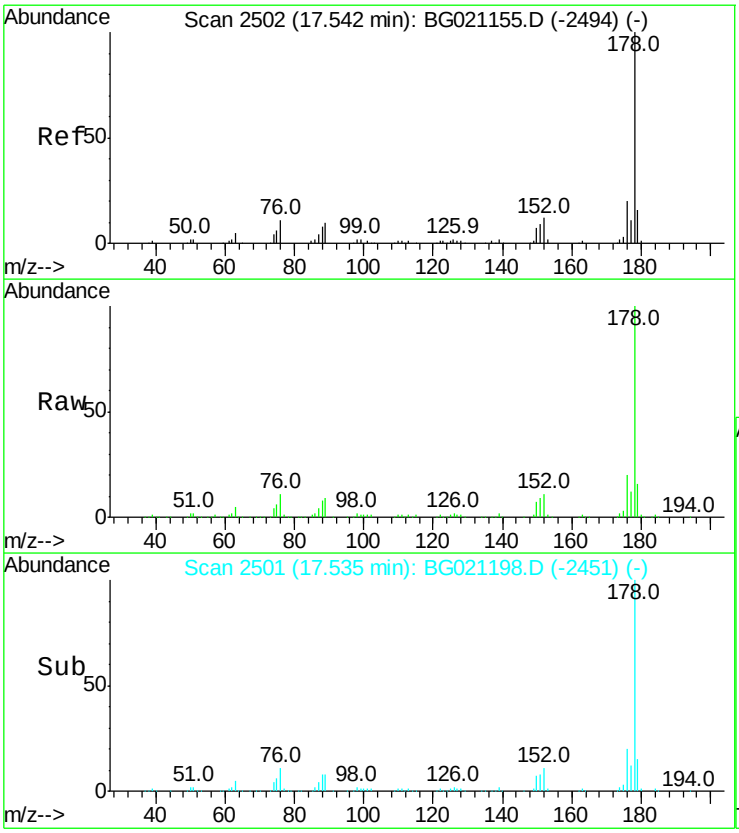
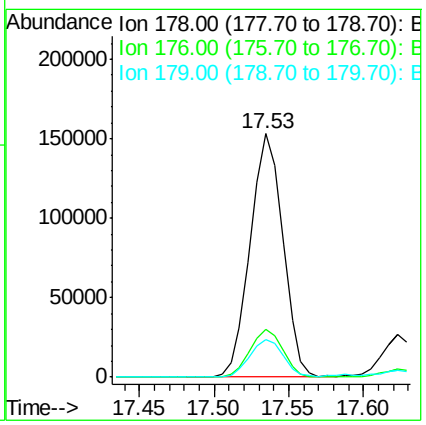
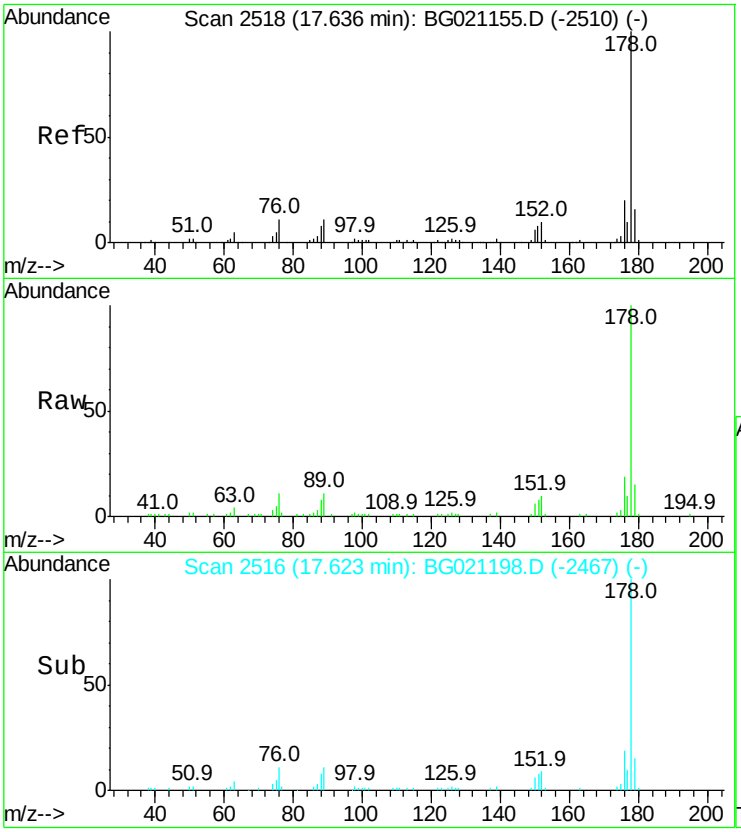


#70
Phenanthrene
Concen: 57.40 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:178 Resp: 231525

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.6	12.9	19.3

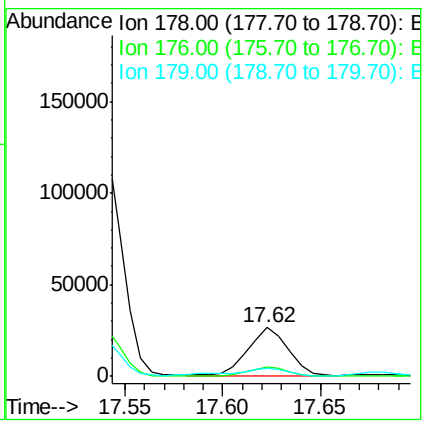




#71
Anthracene
Concen: 9.06 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:178 Resp: 37379

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	15.4	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
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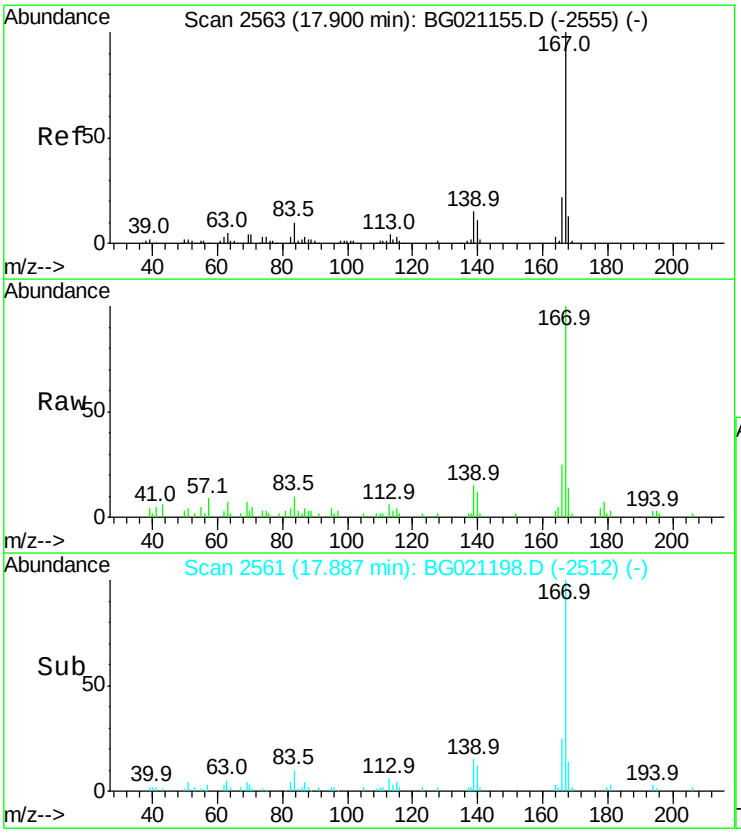
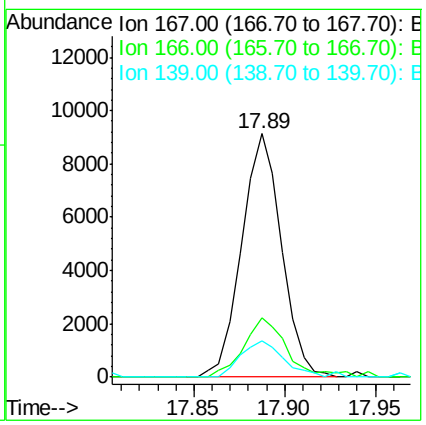
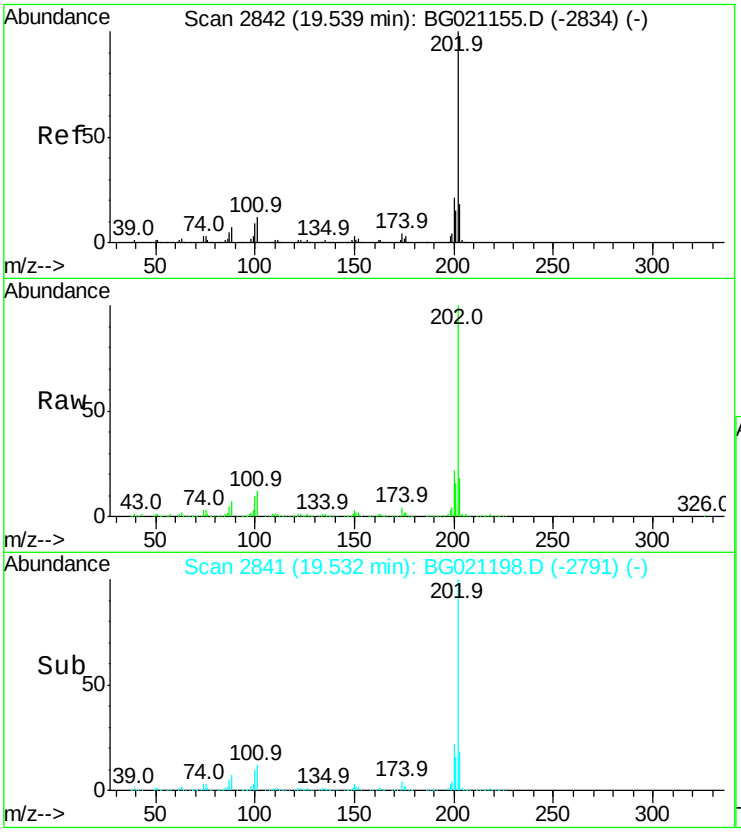


#72
Carbazole
Concen: 3.82 ng
RT: 17.89 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:167 Resp: 13982

Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.5	26.3
139	14.7	10.3	15.5

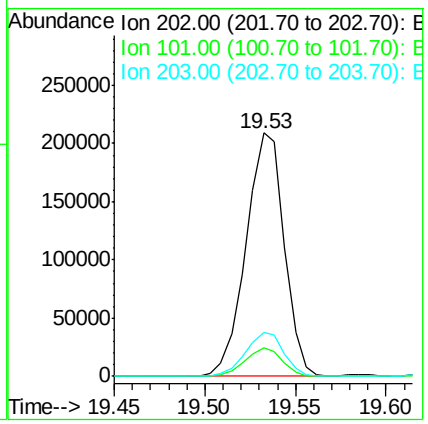




#74
Fluoranthene
Concen: 64.23 ng
RT: 19.53 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:202 Resp: 304395

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



Instrument :
BNA_G
ClientSampleId :
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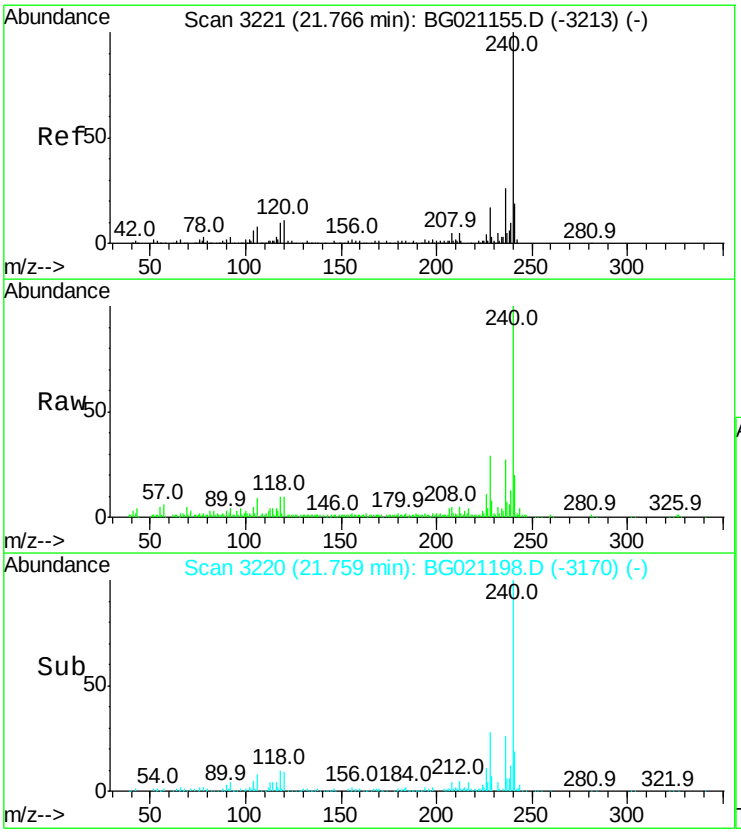
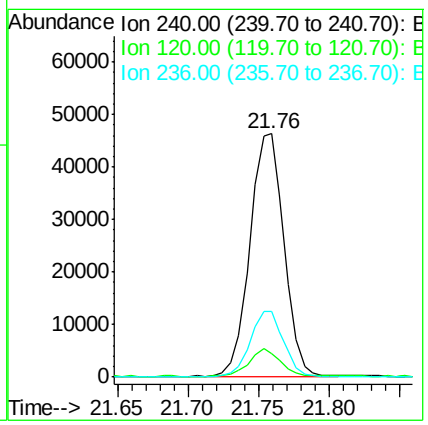
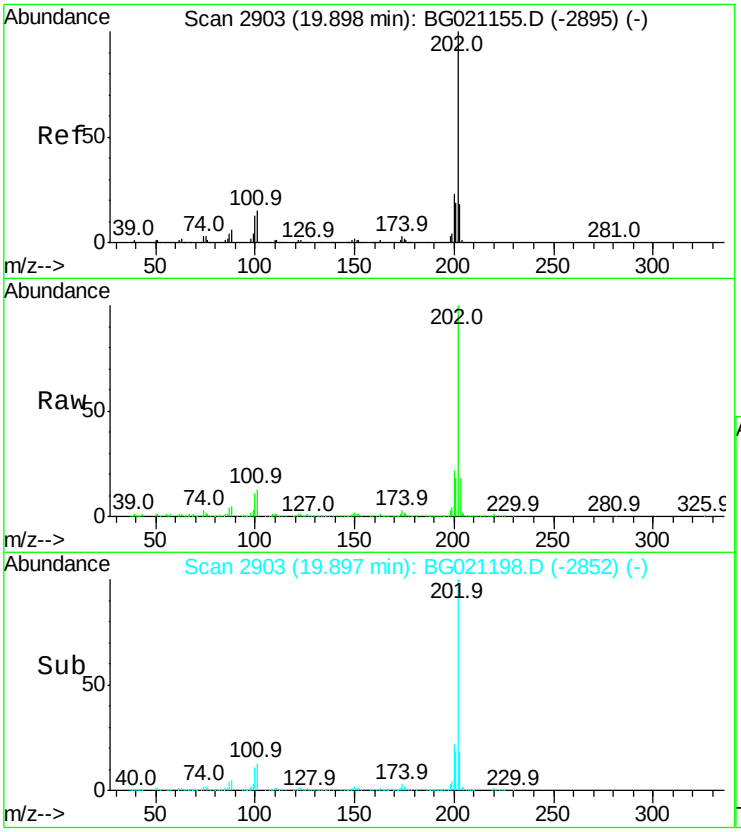


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:240 Resp: 78779

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.5	11.3
236	27.1	20.5	30.7

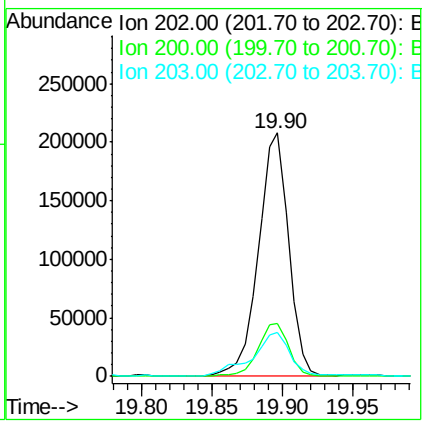




#77
Pyrene
Concen: 66.51 ng
RT: 19.90 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:202 Resp: 312575

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.6	25.0
203	17.8	13.8	20.8



Instrument :
BNA_G
ClientSampleId :
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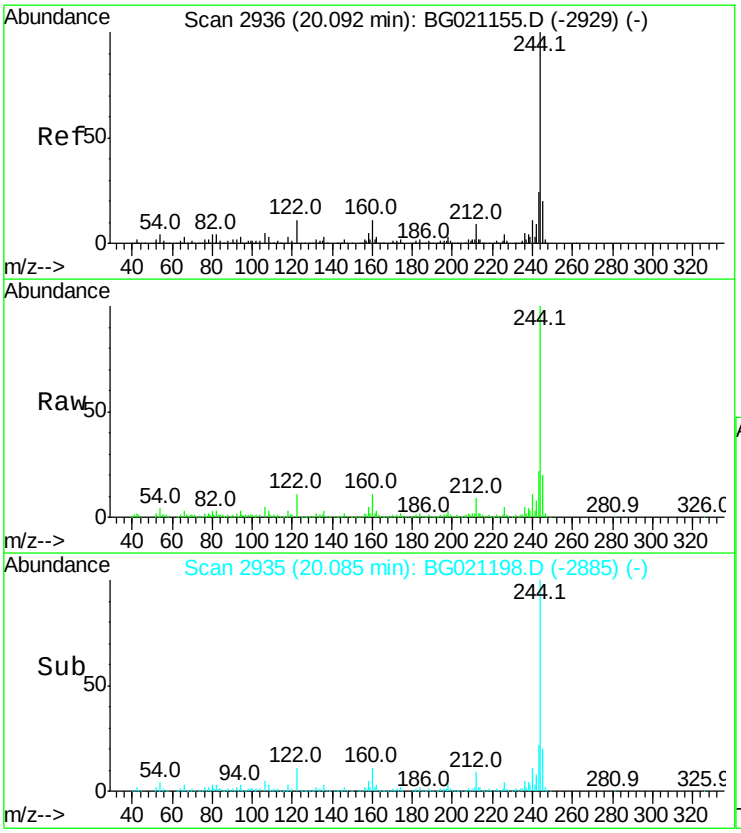
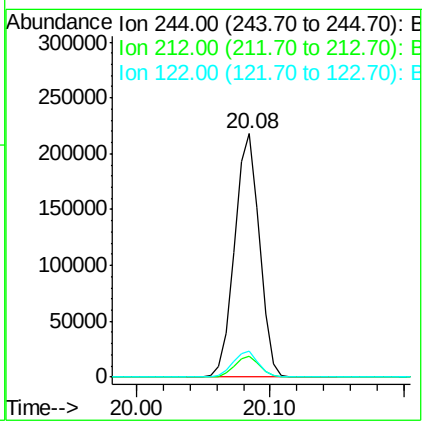
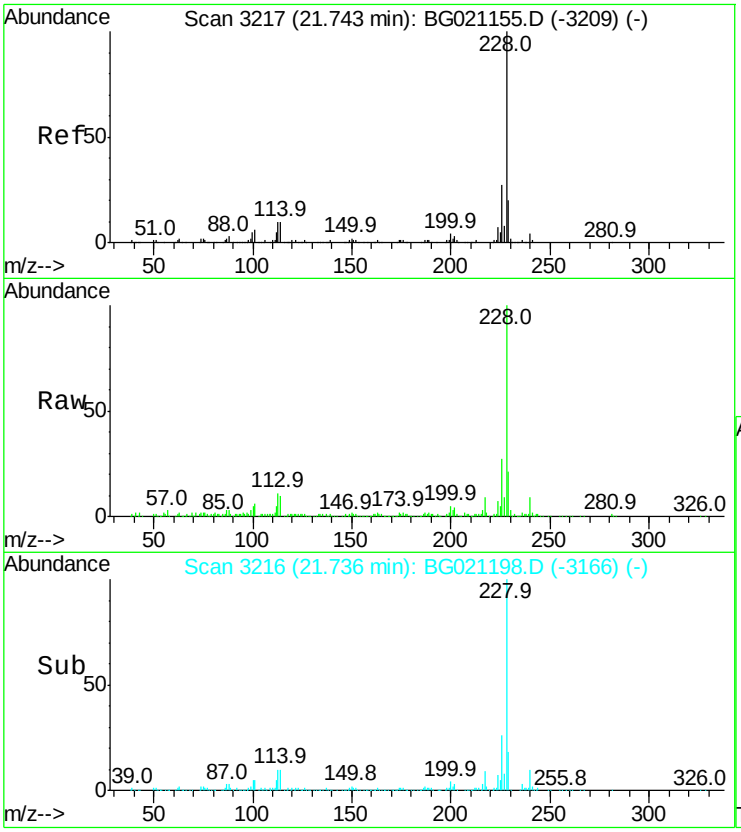


#78
Terphenyl-d14
Concen: 86.38 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:244 Resp: 280890

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.6#
122	10.9	8.3	12.5

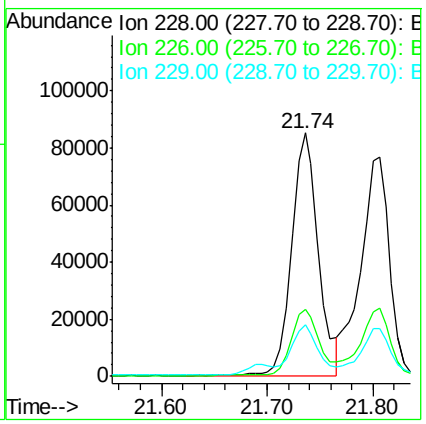




#80
Benzo(a)anthracene
Concen: 32.02 ng
RT: 21.74 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:228 Resp: 149341

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	21.4	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
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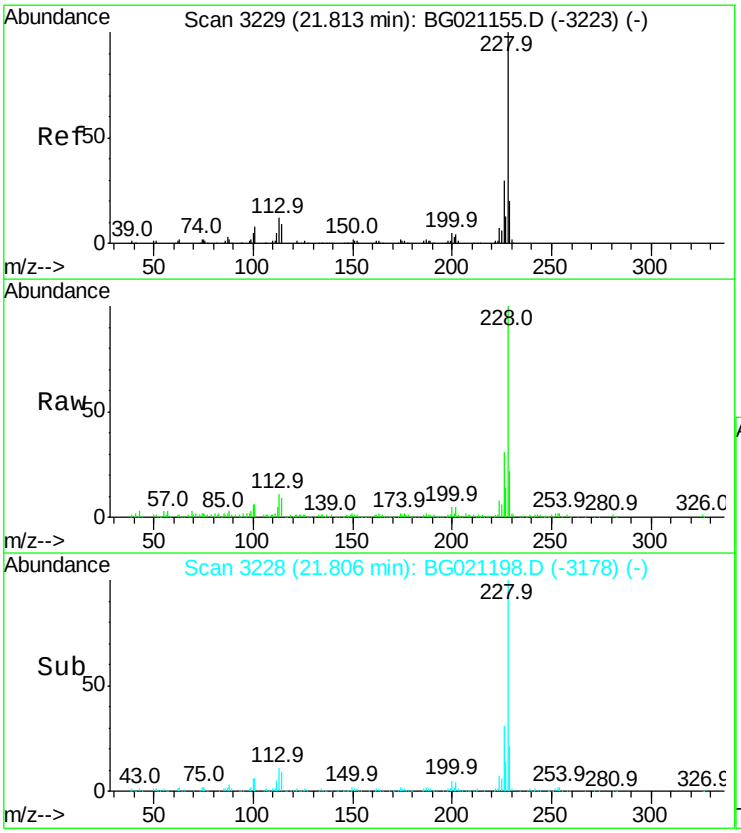
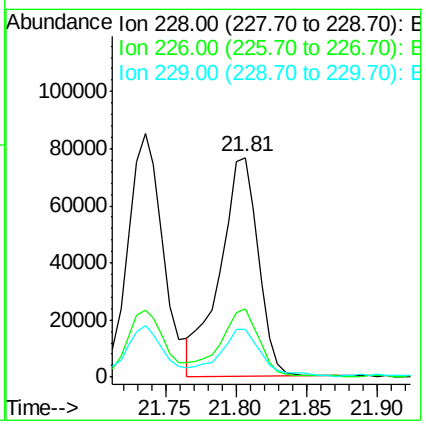
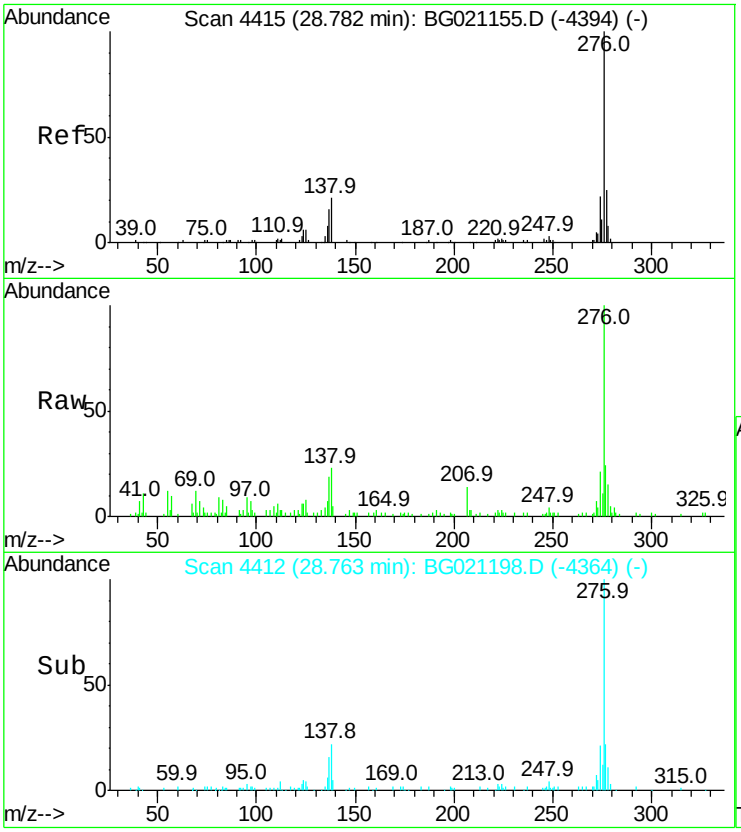


#82
Chrysene
Concen: 32.69 ng
RT: 21.81 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:228 Resp: 144493

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.7	35.5
229	22.0	16.7	25.1

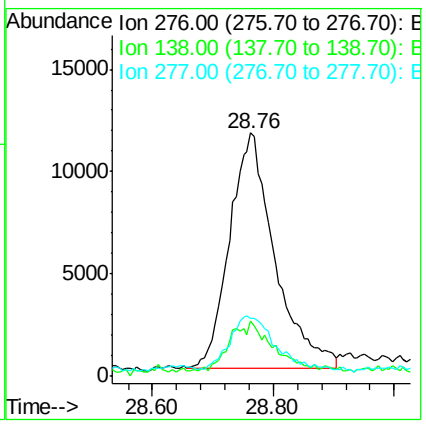




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.75 ng
RT: 28.76 min Scan# 4412
Delta R.T. -0.02 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:276 Resp: 59540

Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
277	22.1	0.0	0.0#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

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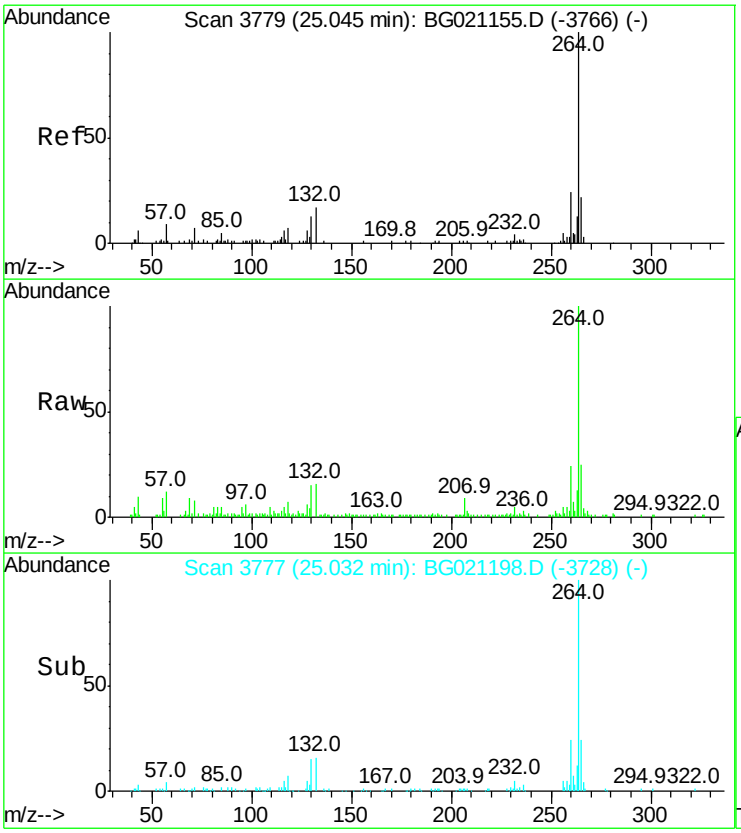
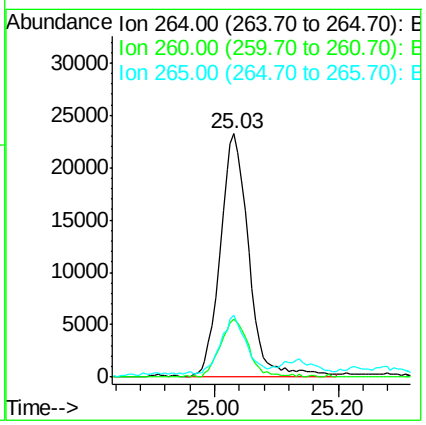
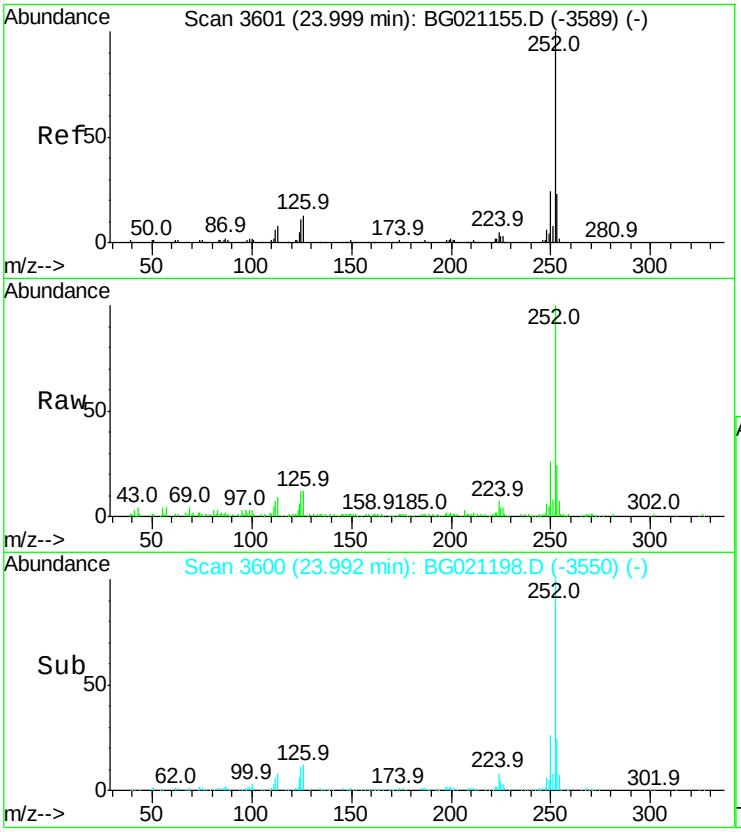


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:264 Resp: 74776

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	25.4	18.6	28.0

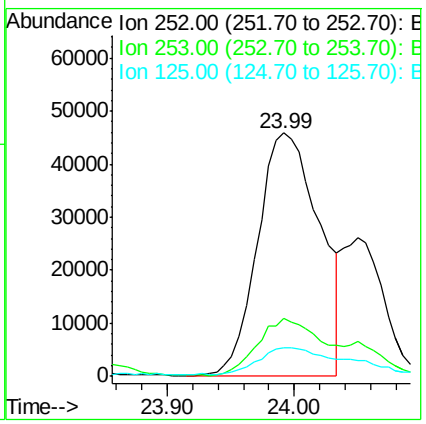




#87
Benzo(b)fluoranthene
Concen: 32.90 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:252 Resp: 154743

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.8	25.2
125	11.8	8.2	12.2



Instrument :
BNA_G
ClientSampleId :
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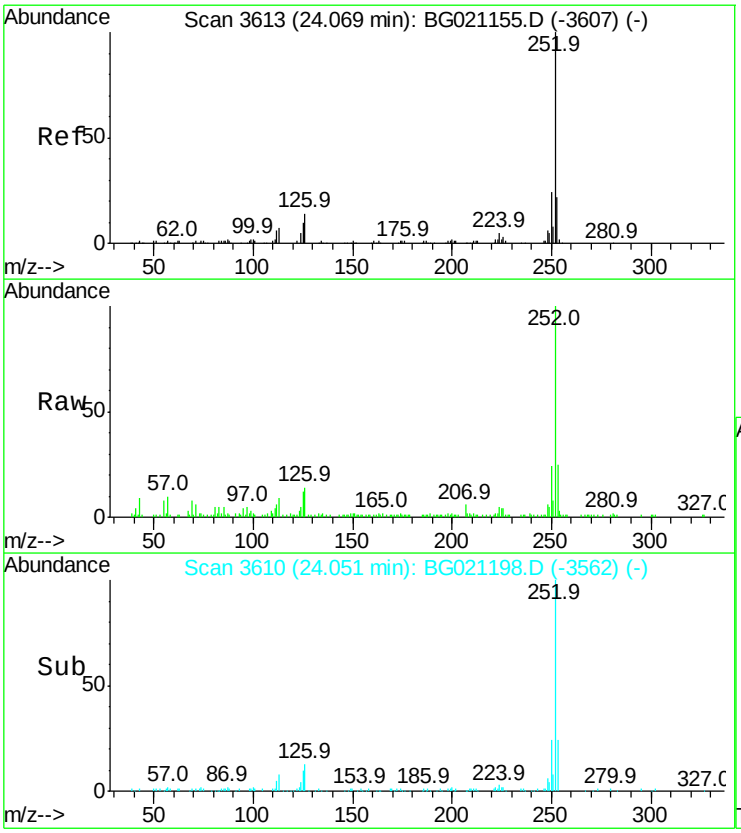
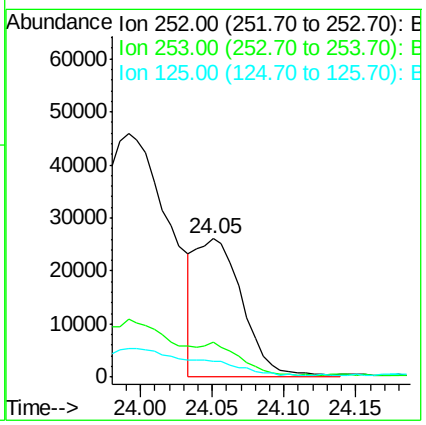
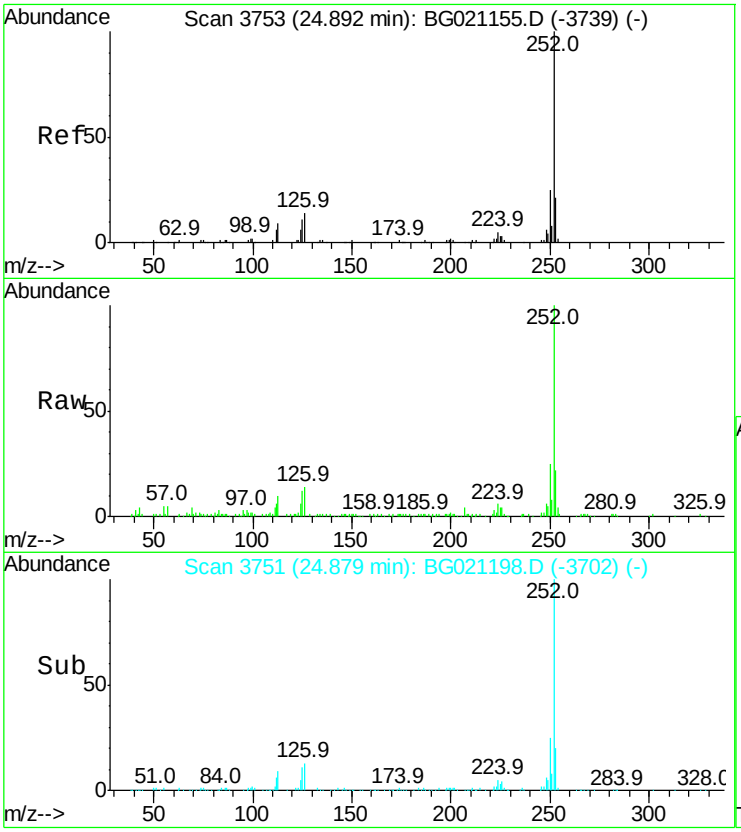


#88
Benzo(k)fluoranthene
Concen: 12.69 ng m
RT: 24.05 min Scan# 3610
Delta R.T. -0.02 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:252 Resp: 59756

Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.4	24.6#
125	11.5	8.2	12.2





#89
Benzo(a)pyrene
Concen: 27.26 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.01 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:252 Resp: 123958

Ion	Ratio	Lower	Upper
252	100		
253	22.4	15.8	23.8
125	12.0	8.4	12.6

Instrument :
BNA_G
ClientSampleId :
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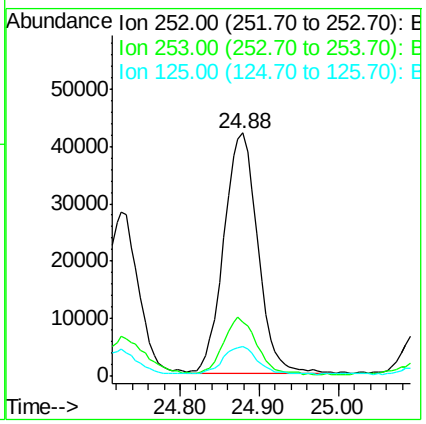
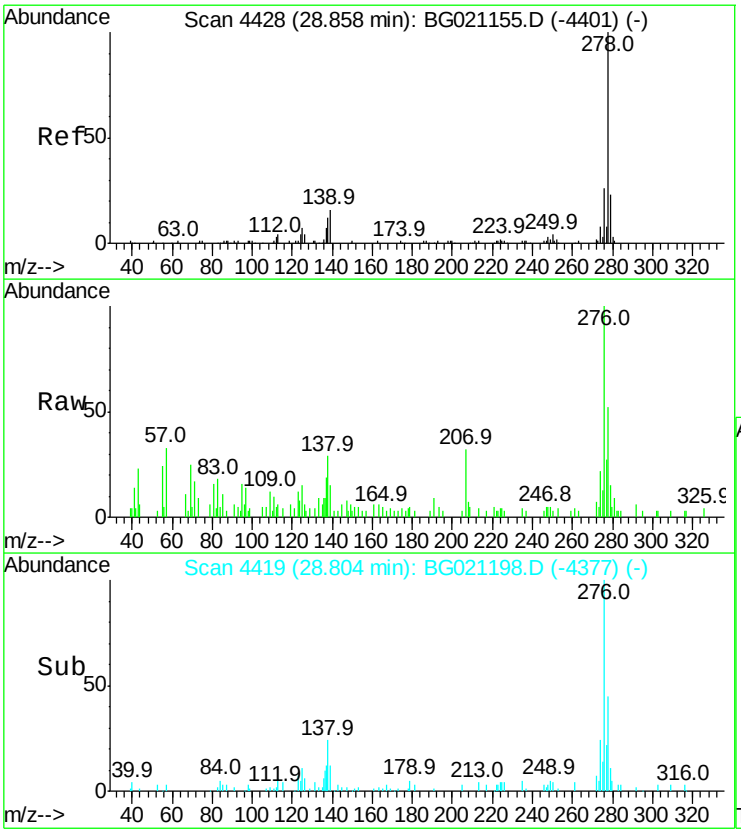
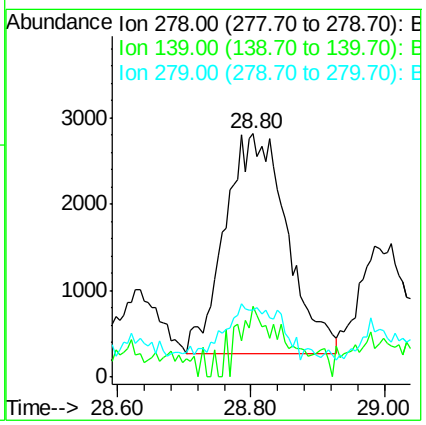


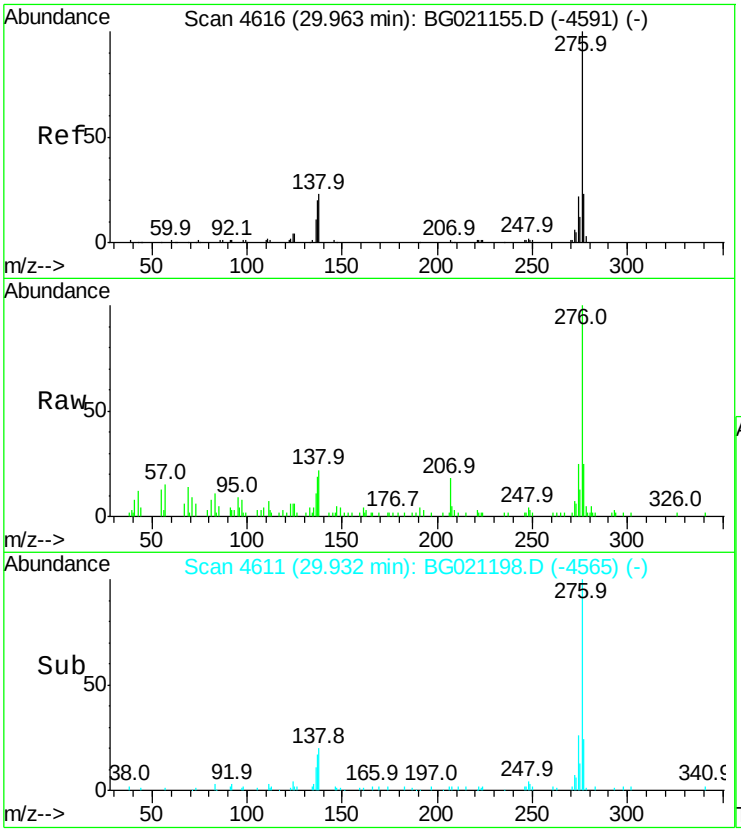


#90
Dibenzo(a,h)anthracene
Concen: 3.65 ng
RT: 28.80 min Scan# 4419
Delta R.T. -0.05 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:278 Resp: 16400

Ion	Ratio	Lower	Upper
278	100		
139	28.8	10.6	15.8#
279	27.7	19.7	29.5

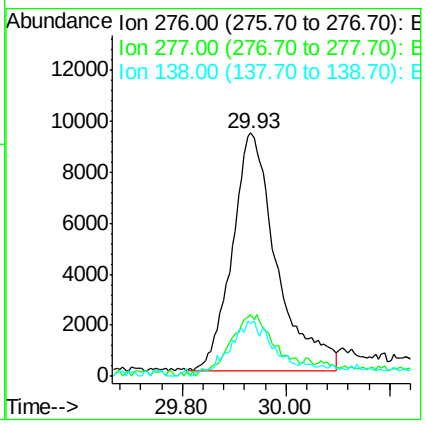




#91
Benzo(g,h,i)perylene
Concen: 12.87 ng
RT: 29.93 min Scan# 4611
Delta R.T. -0.03 min
Lab File: BG021198.D
Acq: 2 Mar 2016 00:22

Tgt Ion:276 Resp: 55926

Ion	Ratio	Lower	Upper
276	100		
277	25.5	16.6	25.0#
138	22.0	14.6	21.8#



Instrument :
BNA_G
ClientSampleId :
DUP-1-20160223

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