Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021000.D
Acq On : 20 Feb 2016 9:21
Operator : SJ/UM
Sample : H1520-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
UMANGI
2/22/2016 10:55:49 AM

Quant Time: Feb 21 23:35:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	19950	20.00	ng		0.00
21) Naphthalene-d8	11.09	136	103970	20.00	ng		-0.01
38) Acenaphthene-d10	14.87	164	67807	20.00	ng		-0.02
63) Phenanthrene-d10	17.61	188	136706	20.00	ng		-0.01
75) Chrysene-d12	21.88	240	129159	20.00	ng		-0.02
86) Perylene-d12	25.26	264	122184	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.79	112	182867	154.36	ng		0.00
7) Phenol-d6	7.41	99	267815	154.67	ng		0.00
23) Nitrobenzene-d5	9.43	82	143406	90.69	ng		-0.01
41) 2,4,6-Tribromophenol	16.35	330	96973	145.43	ng		-0.01
44) 2-Fluorobiphenyl	13.50	172	331420	68.66	ng		-0.01
78) Terphenyl-d14	20.19	244	406545	73.43	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	14.31	163	106790	20.14	ng		100
51) Acenaphthene	14.93	154	16035	3.55	ng		99
54) Dibenzofuran	15.26	168	13660	2.29	ng		97
57) Fluorene	15.91	166	19450	3.54	ng		97
70) Phenanthrene	17.65	178	204069	26.22	ng		99
71) Anthracene	17.74	178	58166	7.36	ng		98
72) Carbazole	18.01	167	16624	2.35	ng		99
74) Fluoranthene	19.64	202	262142	31.18	ng		99
77) Pyrene	20.00	202	209269	24.56	ng		98
80) Benzo(a)anthracene	21.87	228	112593	14.60	ng		98
82) Chrysene	21.93	228	94571	13.04	ng		98
85) Indeno(1,2,3-cd)pyrene	29.10	276	55285	6.63	ng	#	93
87) Benzo(b)fluoranthene	24.18	252	121876	16.30	ng		100
88) Benzo(k)fluoranthene	24.25	252	41082m	5.61	ng		
89) Benzo(a)pyrene	25.09	252	88172	12.38	ng		97
90) Dibenzo(a,h)anthracene	29.16	278	15447	2.23	ng		95
91) Benzo(g,h,i)perylene	30.31	276	47312	6.88	ng		98

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

Quantitation Report (LSC Reviewed)

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Data File : BG021000.D
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Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 21 23:35:59 2016
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Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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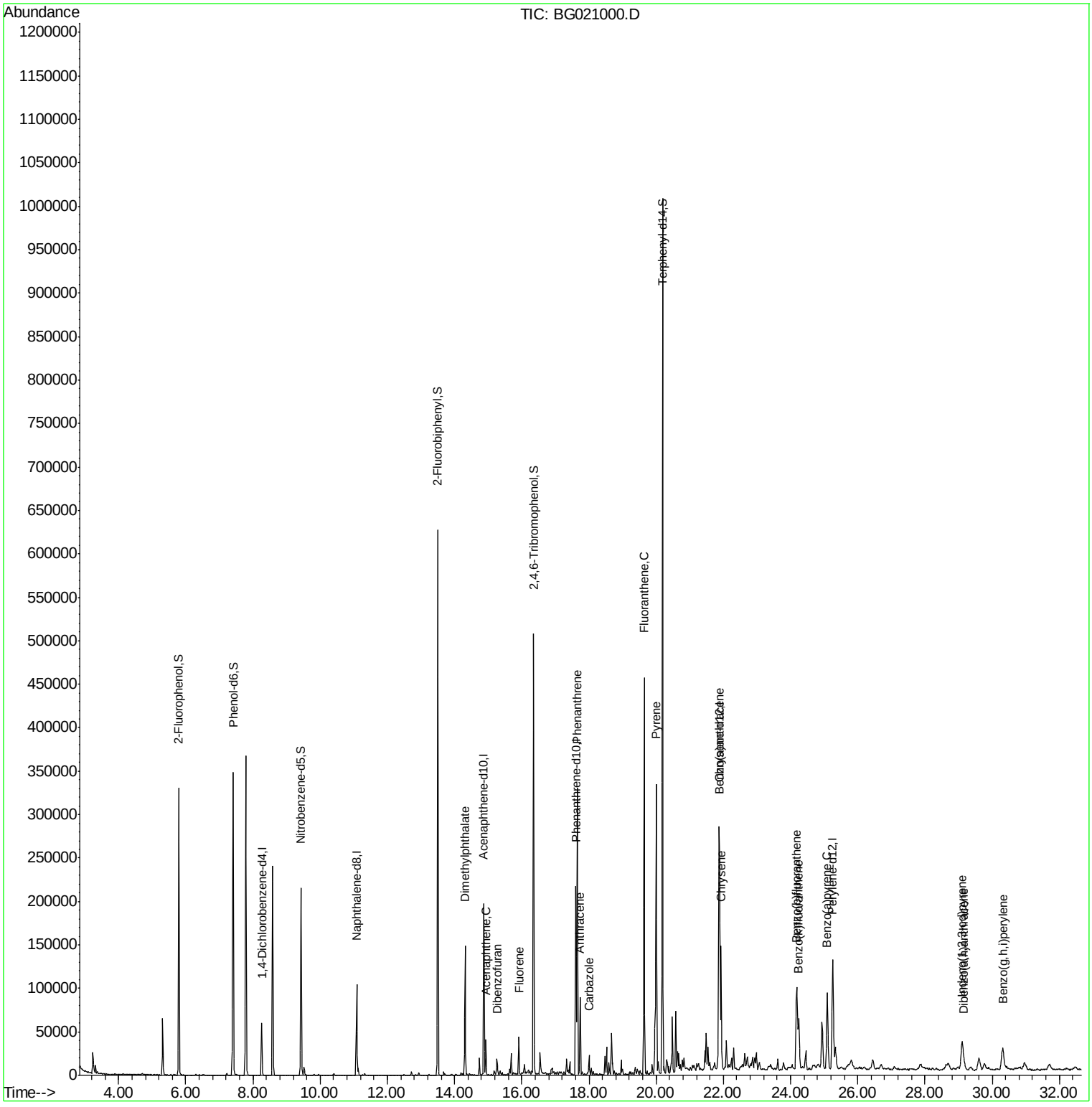
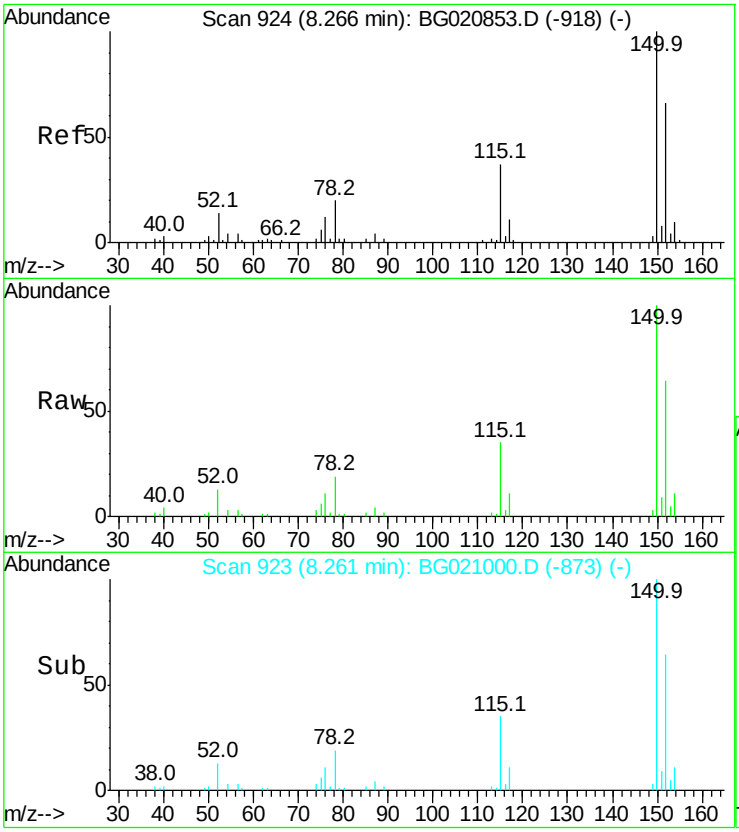
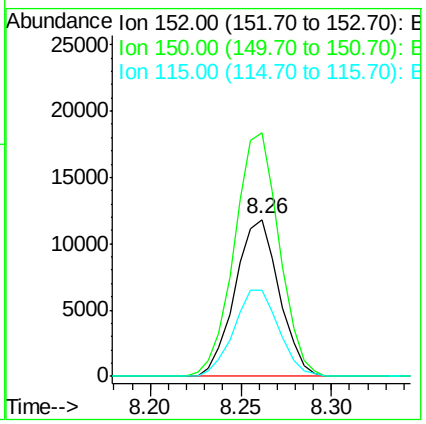




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:152 Resp: 19950

Ion	Ratio	Lower	Upper
152	100		
150	155.5	122.0	183.0
115	55.2	45.2	67.8



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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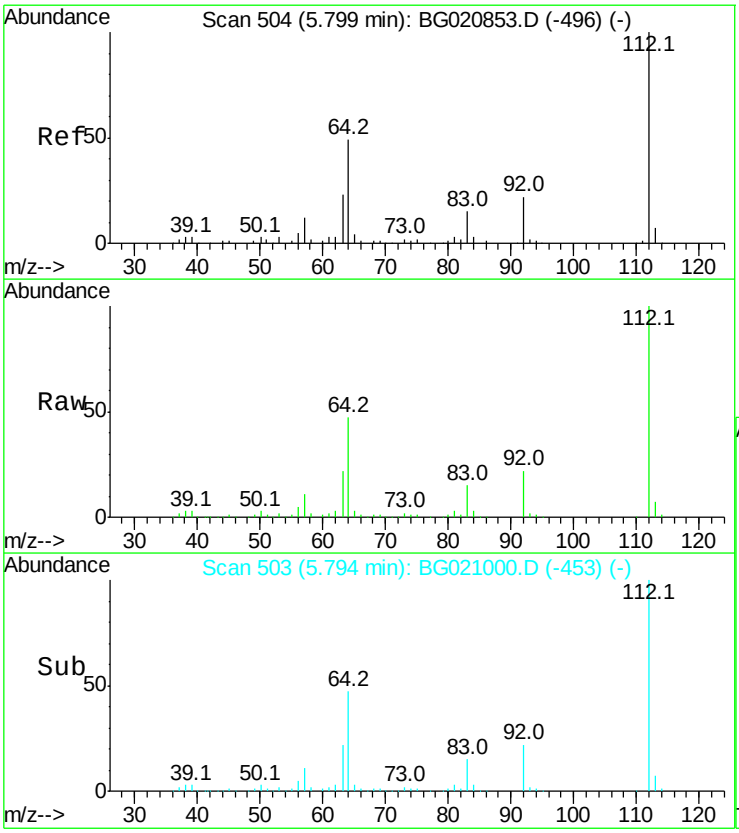
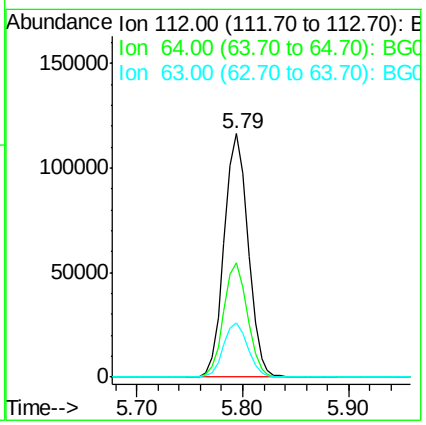
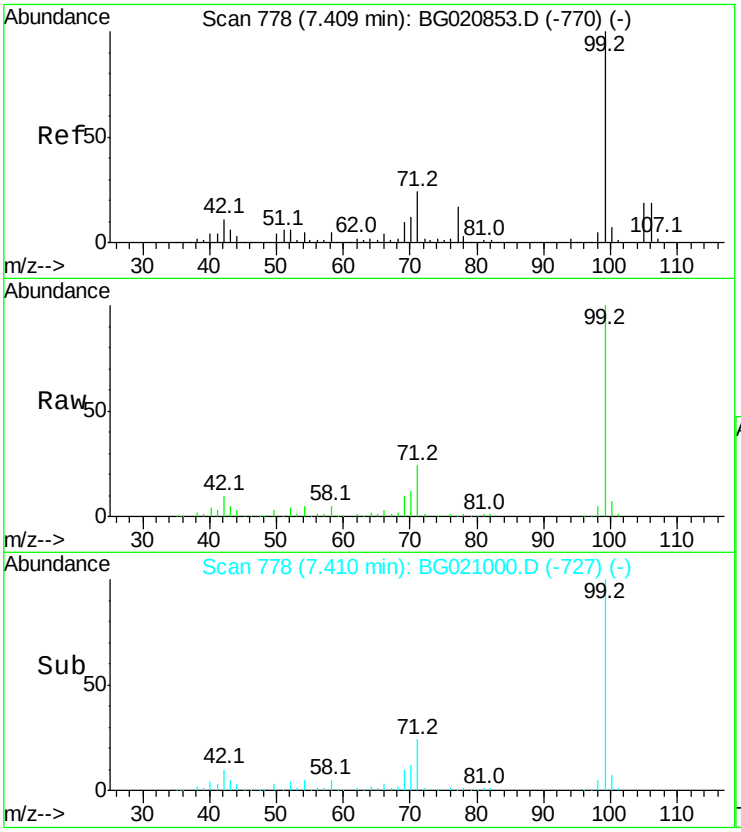


#5
2-Fluorophenol
Concen: 154.36 ng
RT: 5.79 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:112 Resp: 182867

Ion	Ratio	Lower	Upper
112	100		
64	46.9	39.3	58.9
63	22.2	18.2	27.4

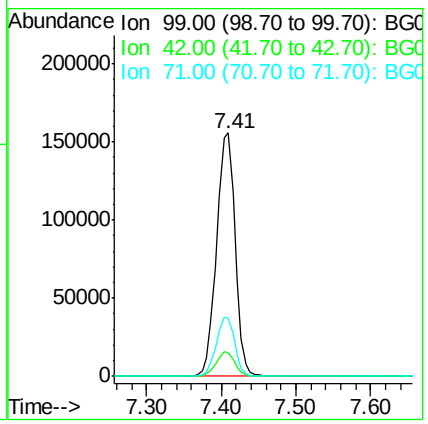




#7
Phenol-d6
Concen: 154.67 ng
RT: 7.41 min Scan# 778
Delta R.T. 0.00 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion: 99 Resp: 267815

Ion	Ratio	Lower	Upper
99	100		
42	9.9	8.4	12.6
71	23.9	19.4	29.0



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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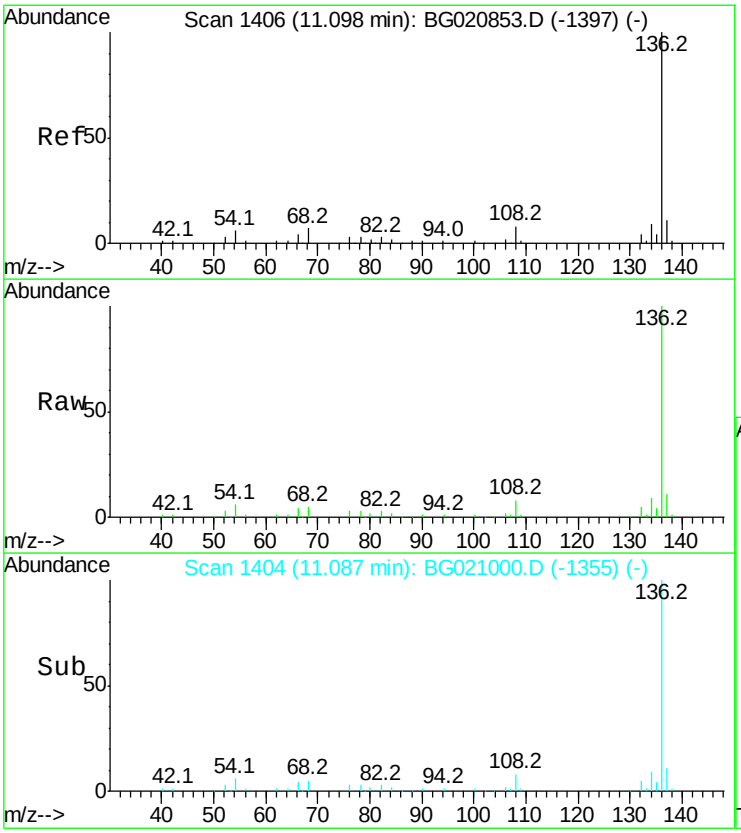
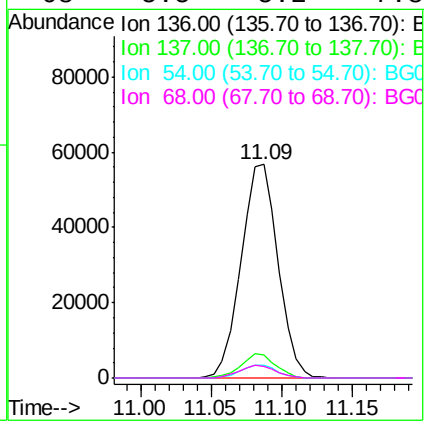
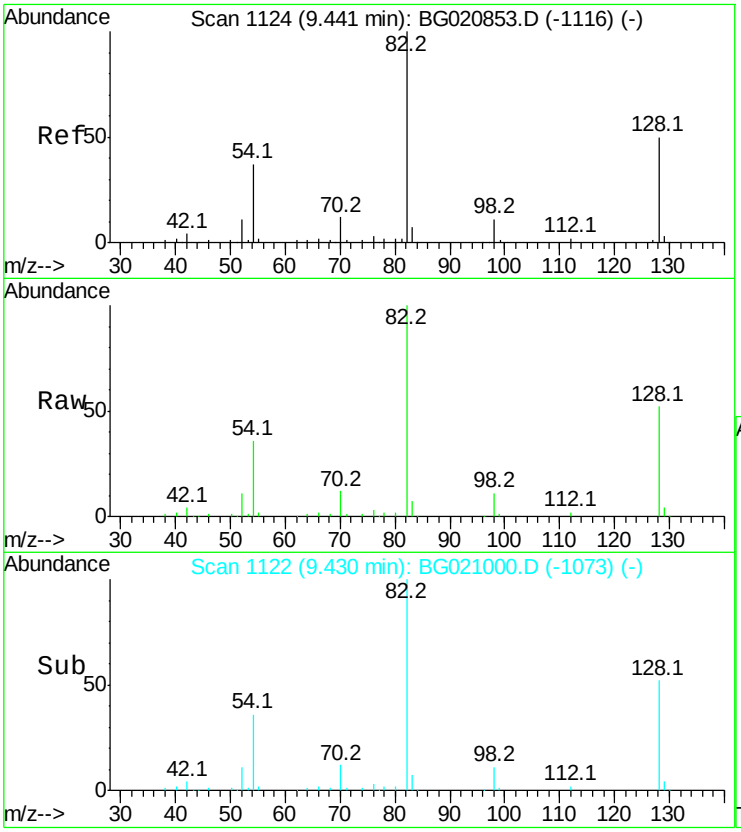


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:136 Resp: 103970

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.8	5.0	7.4
68	5.5	5.2	7.8

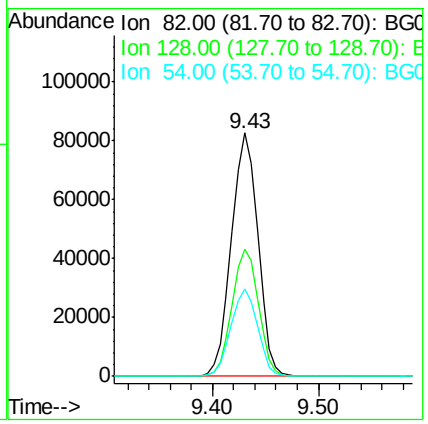




#23
Nitrobenzene-d5
Concen: 90.69 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion: 82 Resp: 143406

Ion	Ratio	Lower	Upper
82	100		
128	52.1	40.1	60.1
54	35.8	29.5	44.3



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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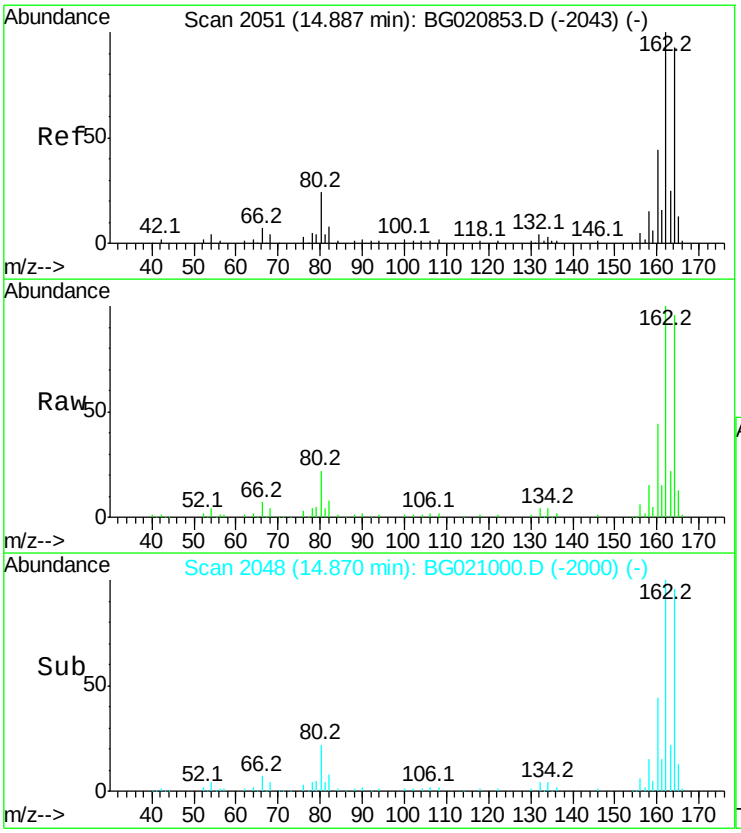
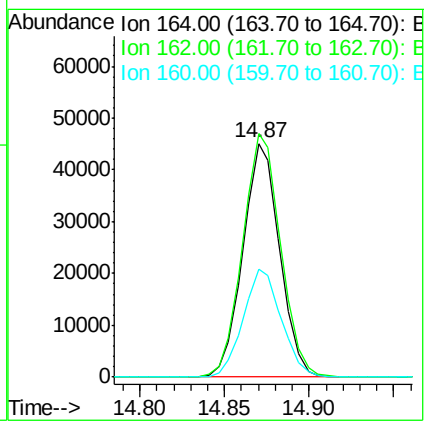
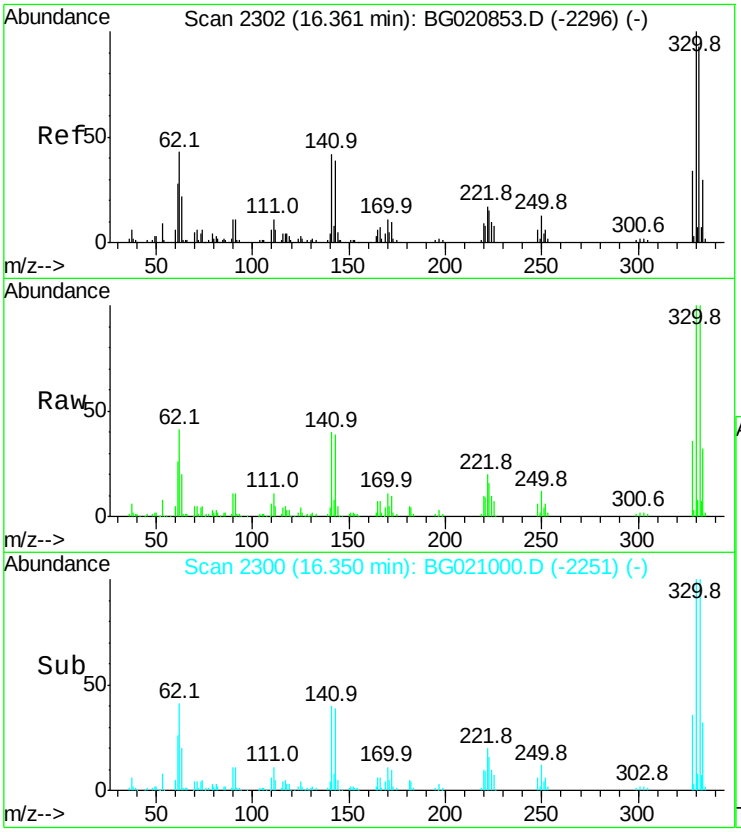


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:164 Resp: 67807

Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.7	128.5
160	46.2	37.4	56.0

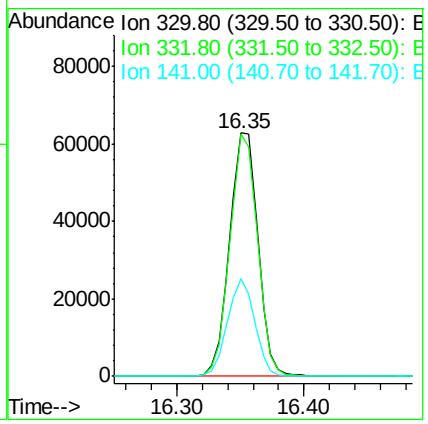




#41
2,4,6-Tribromophenol
Concen: 145.43 ng
RT: 16.35 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:330 Resp: 96973

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.1	114.1
141	38.5	32.0	48.0



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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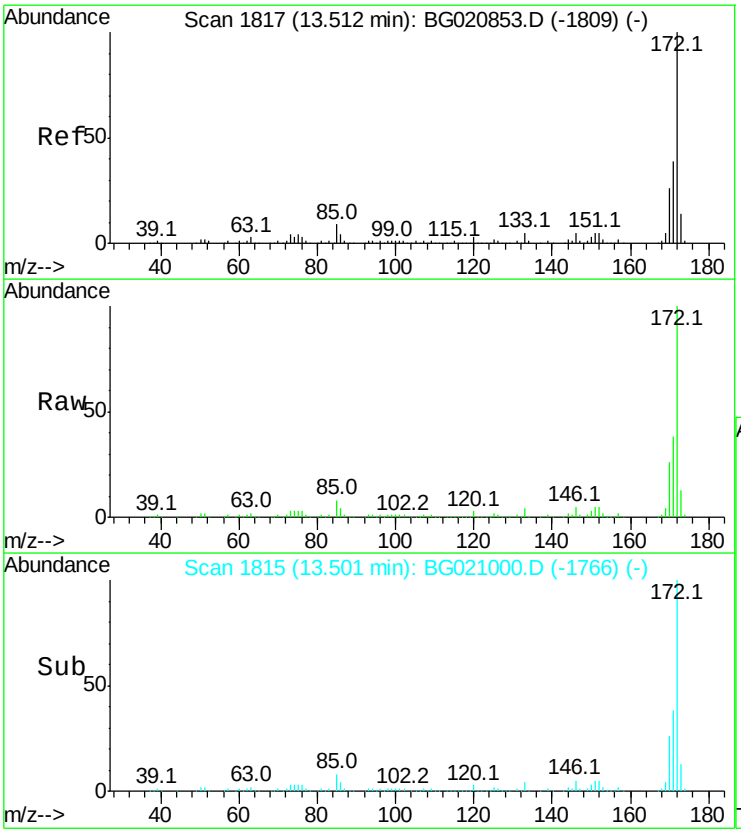
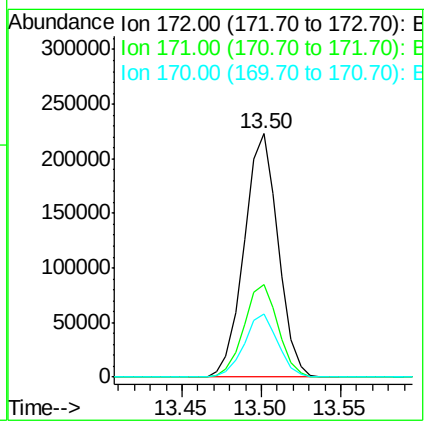
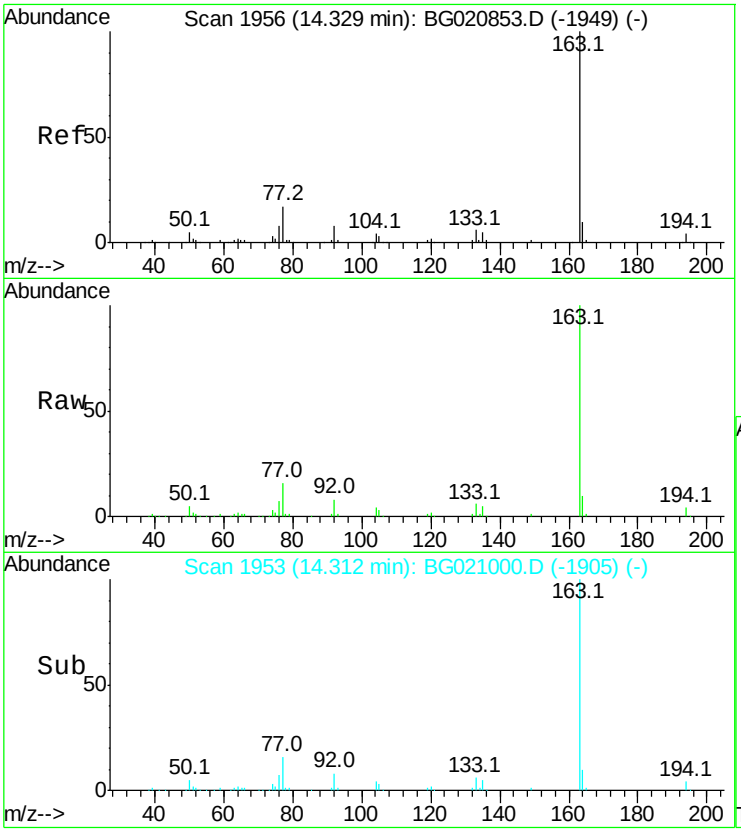


#44
2-Fluorobiphenyl
Concen: 68.66 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:172 Resp: 331420

Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.2	46.8
170	26.0	20.6	30.8

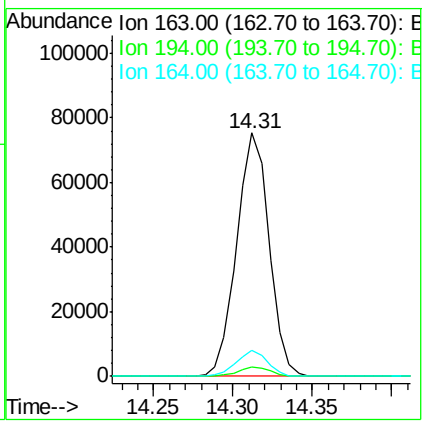




#49
Dimethylphthalate
Concen: 20.14 ng
RT: 14.31 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:163 Resp: 106790

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.5	8.3	12.5



Instrument :
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ClientSampleId :
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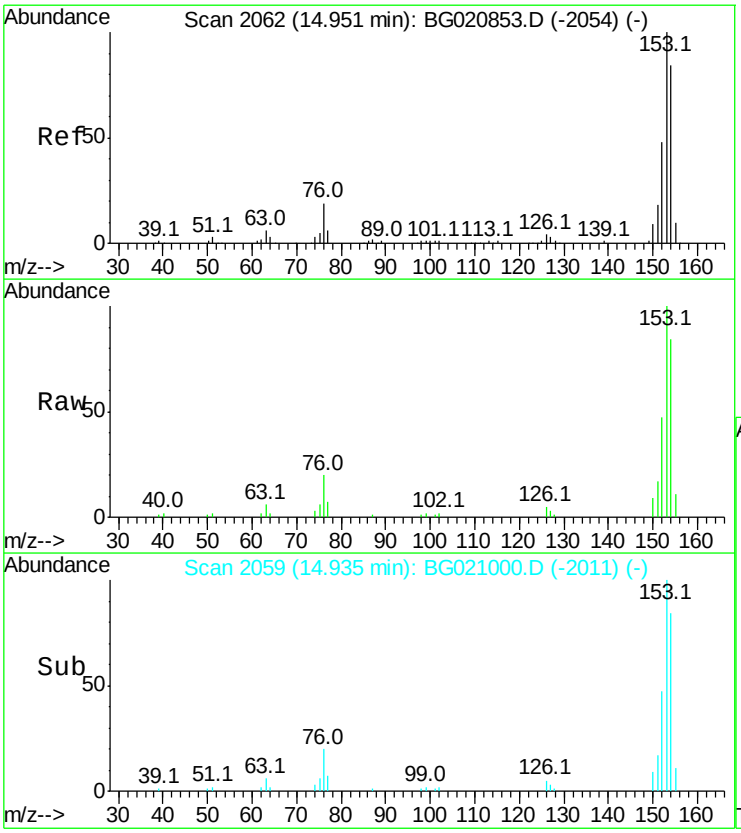
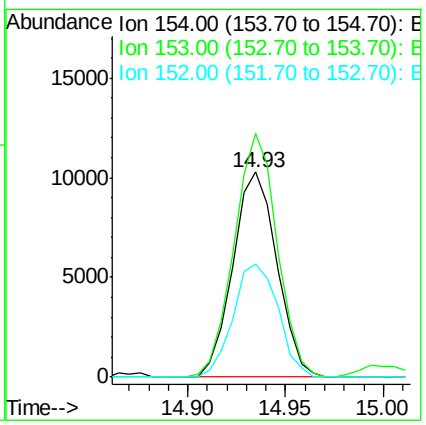
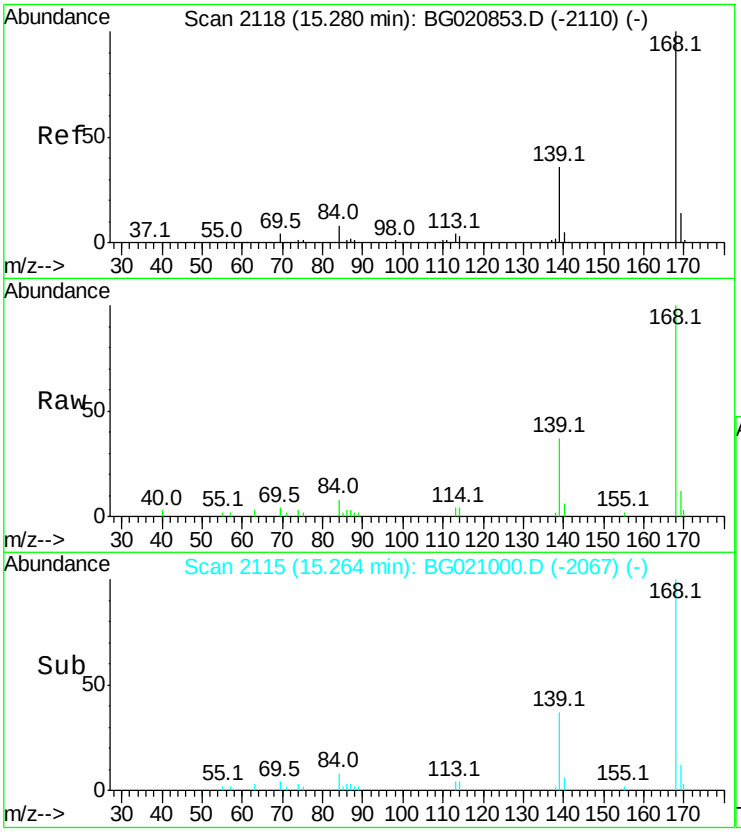


#51
Acenaphthene
Concen: 3.55 ng
RT: 14.93 min Scan# 2059
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:154 Resp: 16035

Ion	Ratio	Lower	Upper
154	100		
153	119.0	95.4	143.0
152	55.5	46.1	69.1

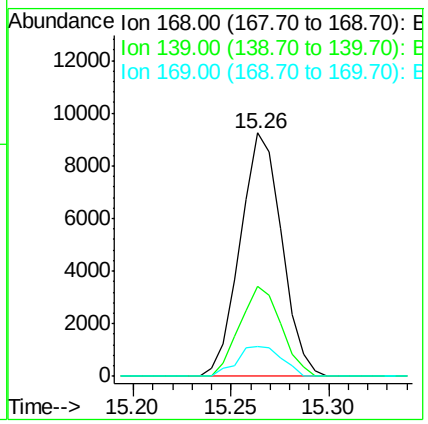




#54
Dibenzofuran
Concen: 2.29 ng
RT: 15.26 min Scan# 2115
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:168 Resp: 13660

Ion	Ratio	Lower	Upper
168	100		
139	37.2	28.5	42.7
169	12.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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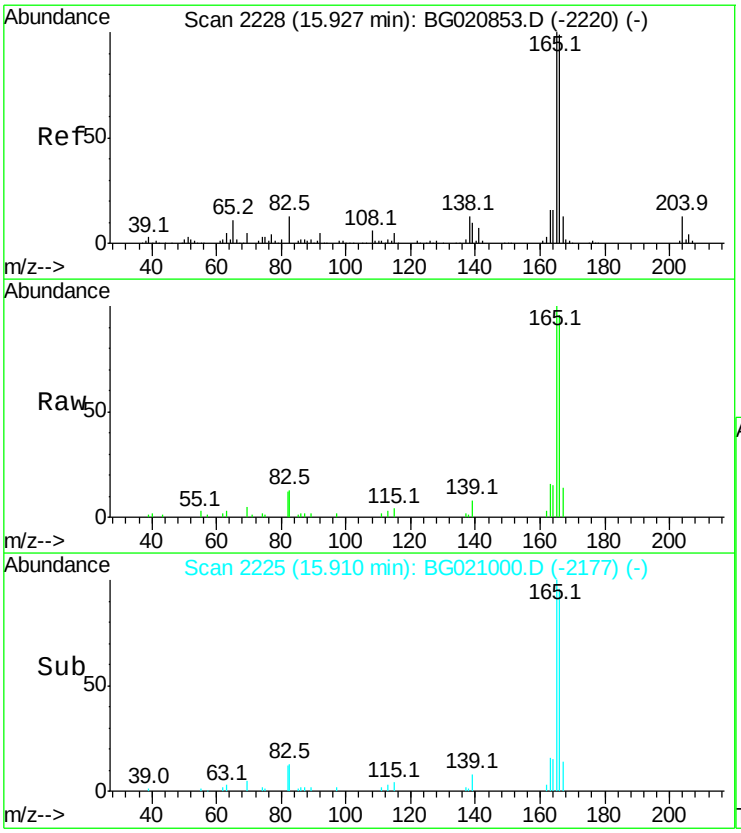
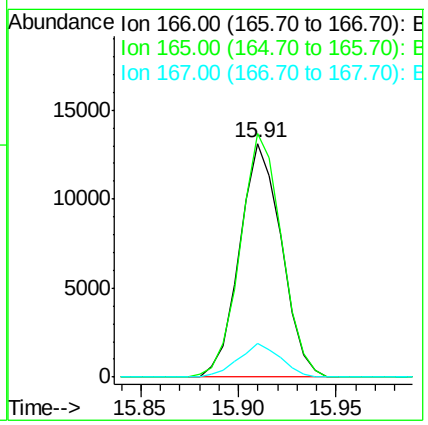
2/22/2016 10:55:49 AM

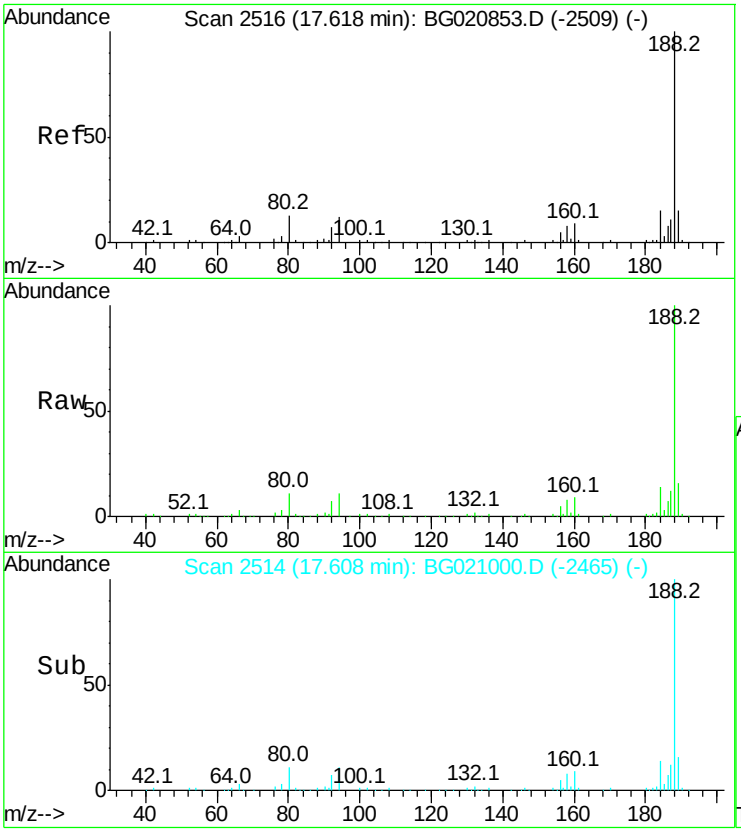


#57
Fluorene
Concen: 3.54 ng
RT: 15.91 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:166 Resp: 19450

Ion	Ratio	Lower	Upper
166	100		
165	104.1	81.0	121.4
167	14.6	10.8	16.2

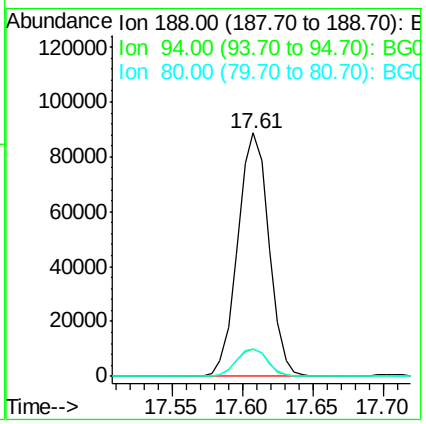




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:188 Resp: 136706

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.0
80	11.3	10.2	15.4



Instrument :
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ClientSampleId :
40055(0-2)

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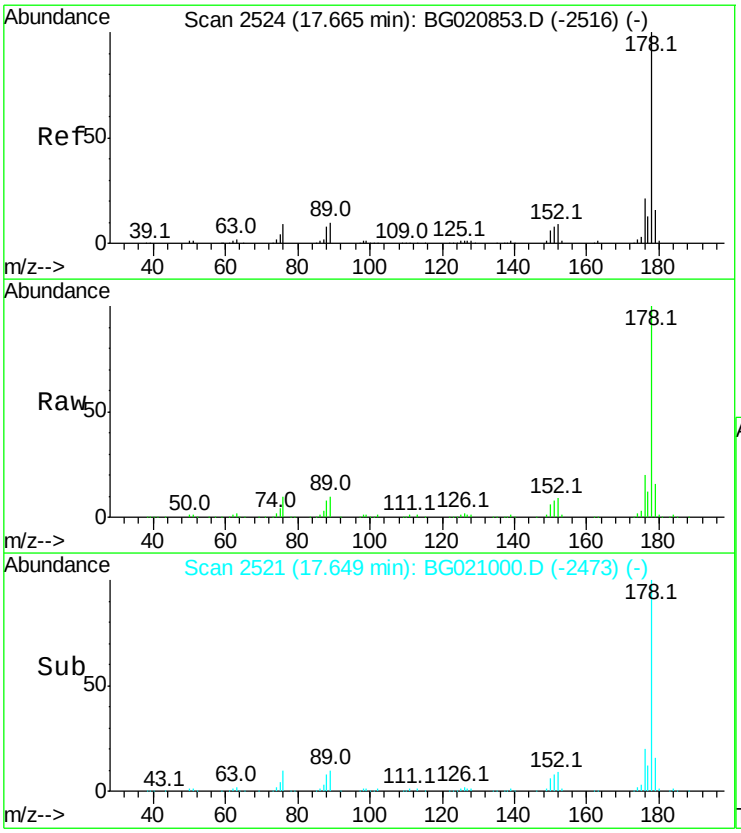
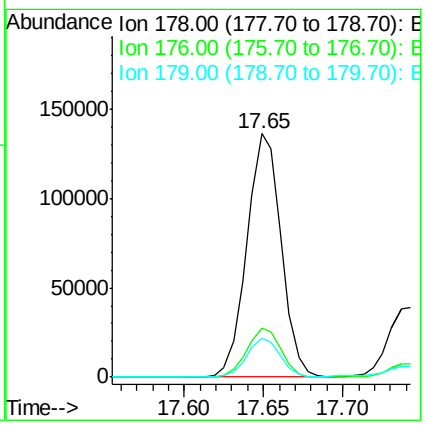
2/22/2016 10:55:49 AM

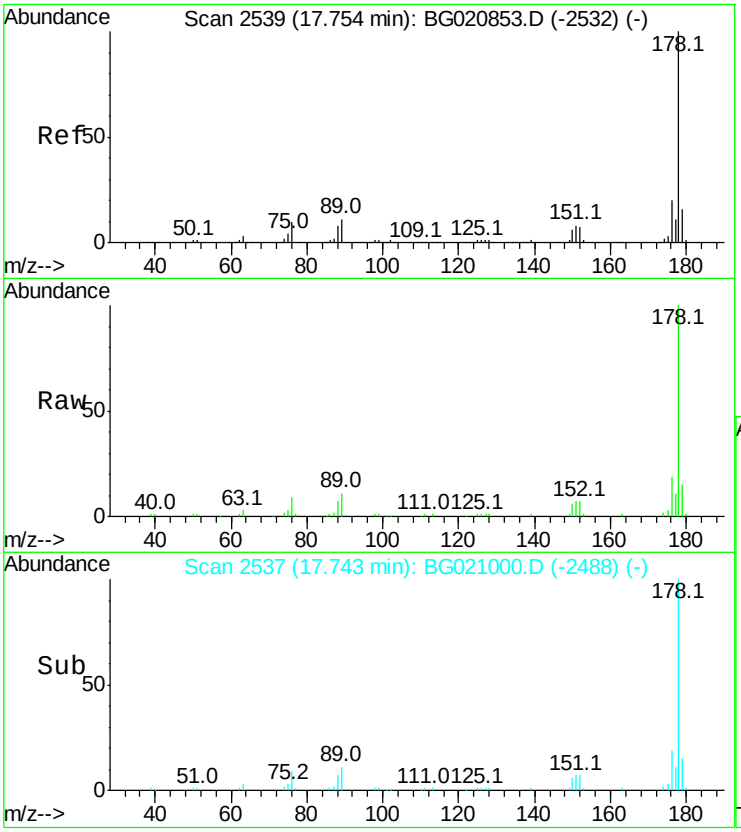


#70
Phenanthrene
Concen: 26.22 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:178 Resp: 204069

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.8	25.2
179	16.1	12.6	19.0

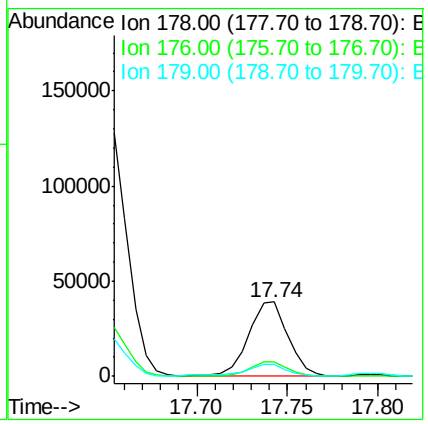




#71
Anthracene
Concen: 7.36 ng
RT: 17.74 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:178 Resp: 58166

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.5	12.7	19.1



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

Manual Integrations APPROVED
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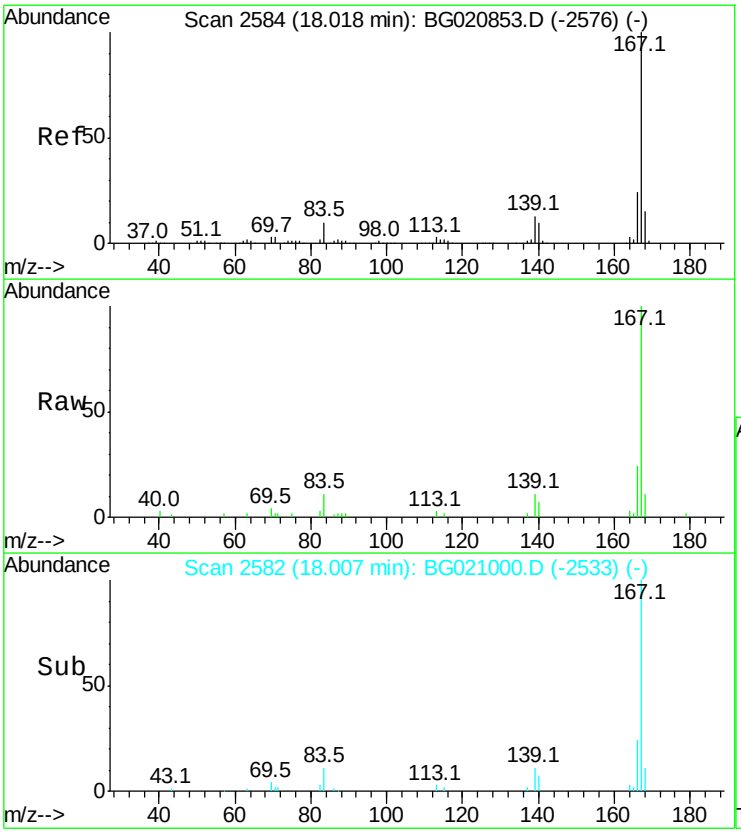
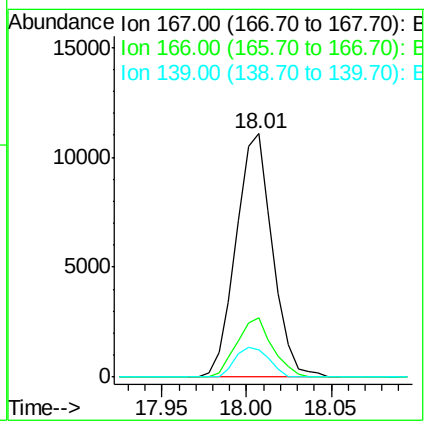
2/22/2016 10:55:49 AM

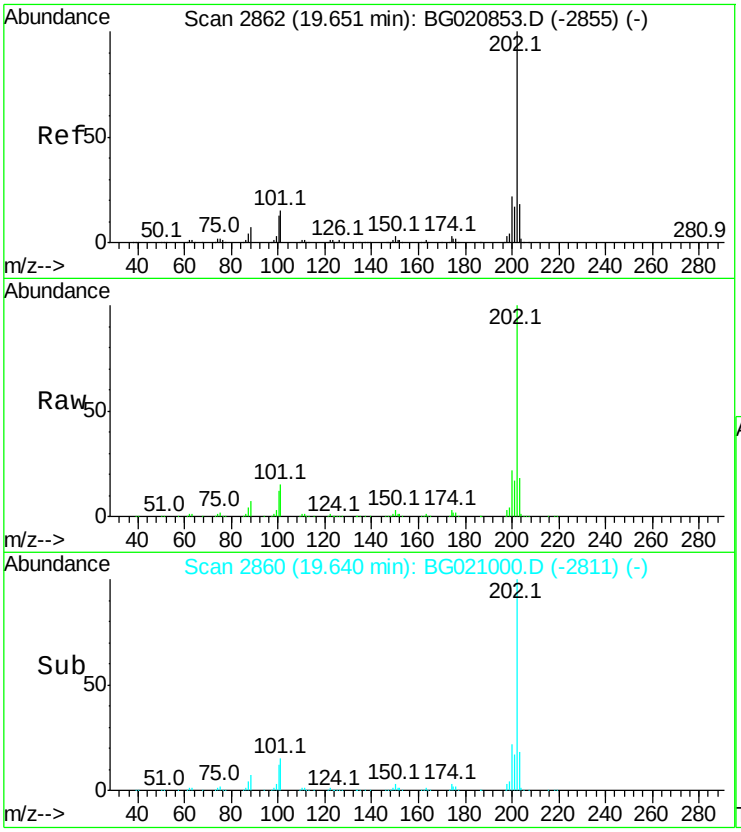


#72
Carbazole
Concen: 2.35 ng
RT: 18.01 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:167 Resp: 16624

Ion	Ratio	Lower	Upper
167	100		
166	24.3	19.3	28.9
139	11.5	10.2	15.4

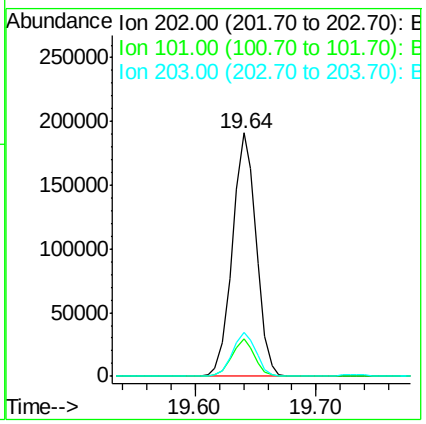




#74
Fluoranthene
Concen: 31.18 ng
RT: 19.64 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:202 Resp: 262142

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	35.3
203	18.2	0.0	37.8



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

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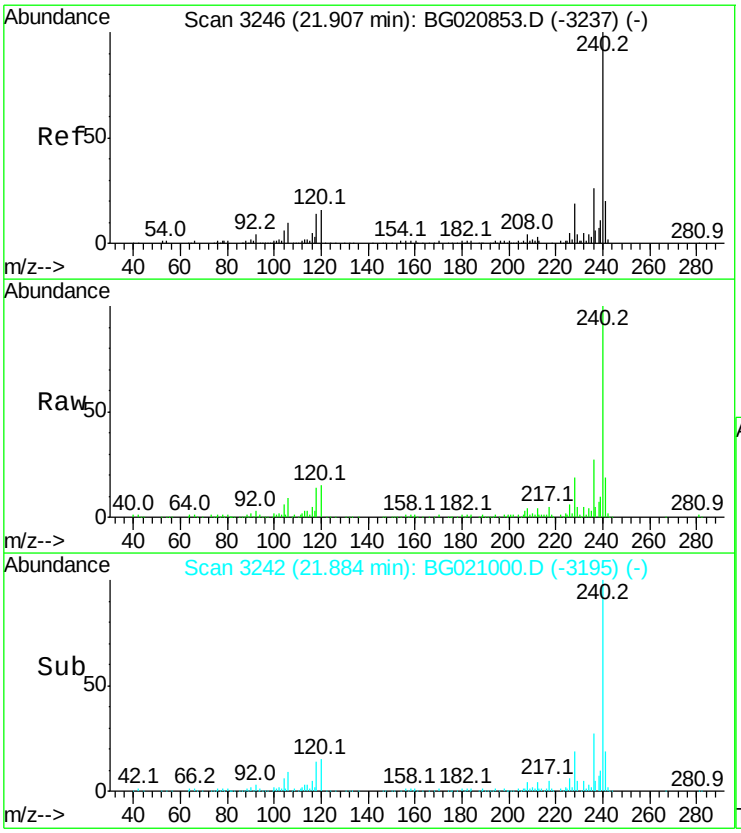
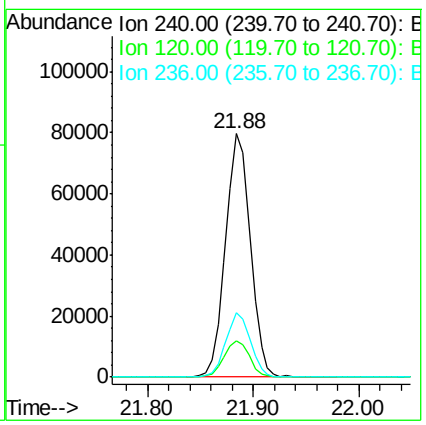
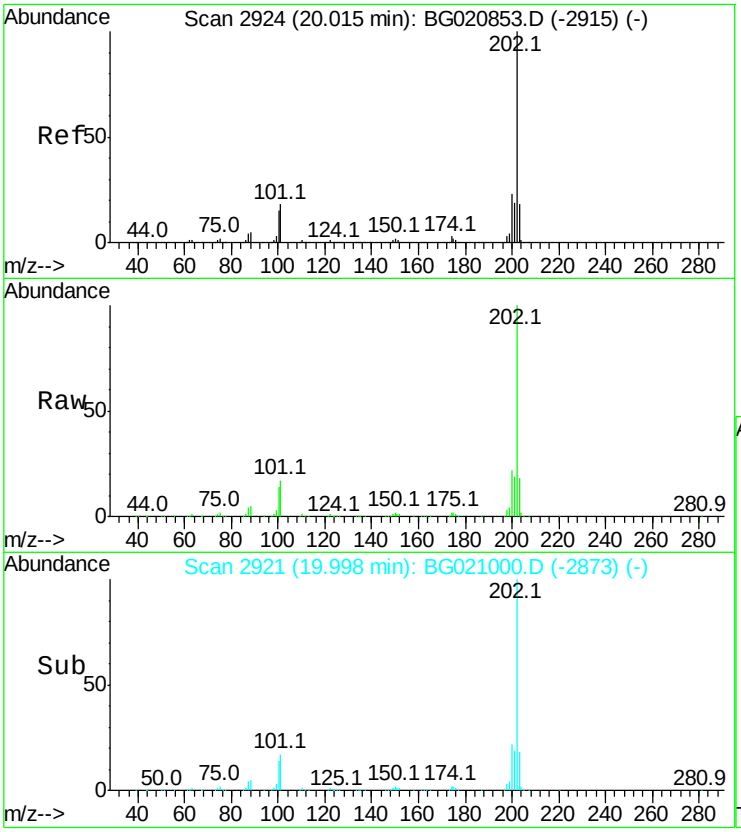


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.88 min Scan# 3242
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:240 Resp: 129159

Ion	Ratio	Lower	Upper
240	100		
120	15.0	13.0	19.4
236	26.7	21.0	31.4

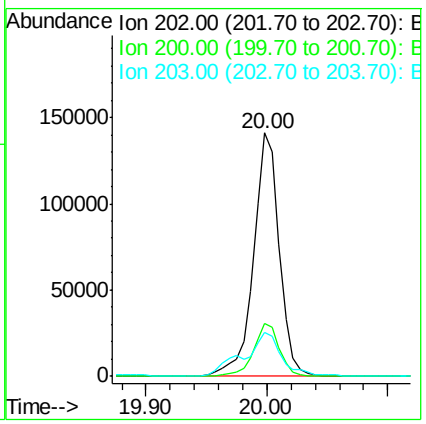




#77
Pyrene
Concen: 24.56 ng
RT: 20.00 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:202 Resp: 209269

Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.5	27.7
203	18.0	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

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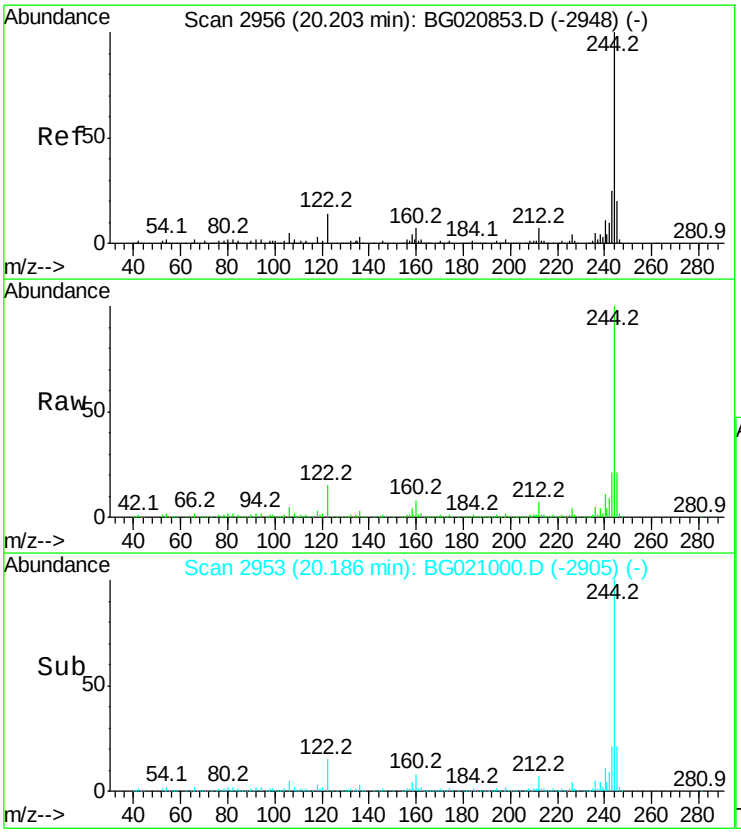
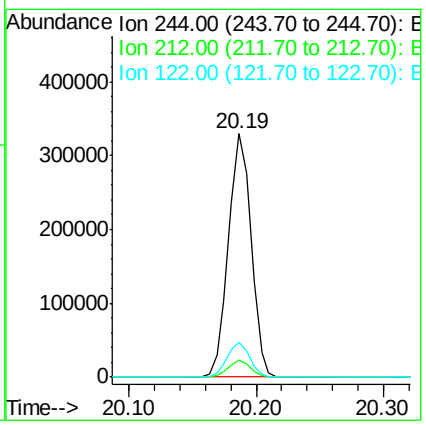
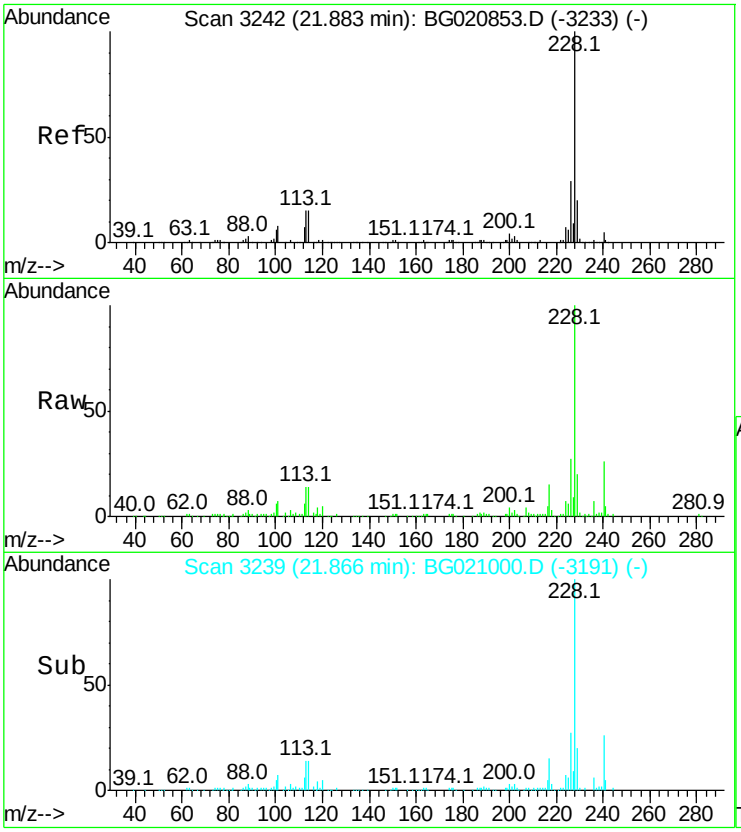


#78
Terphenyl-d14
Concen: 73.43 ng
RT: 20.19 min Scan# 2953
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:244 Resp: 406545

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	14.6	11.4	17.2

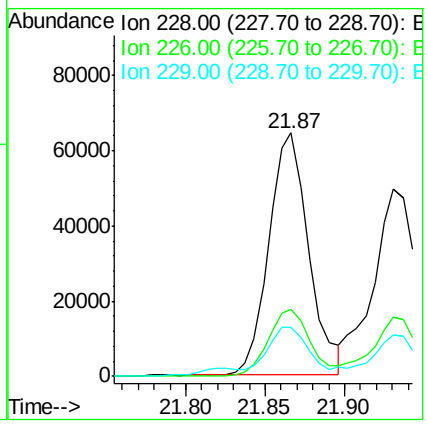




#80
Benzo(a)anthracene
Concen: 14.60 ng
RT: 21.87 min Scan# 3239
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:228 Resp: 112593

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.1	34.7
229	20.3	16.2	24.2



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

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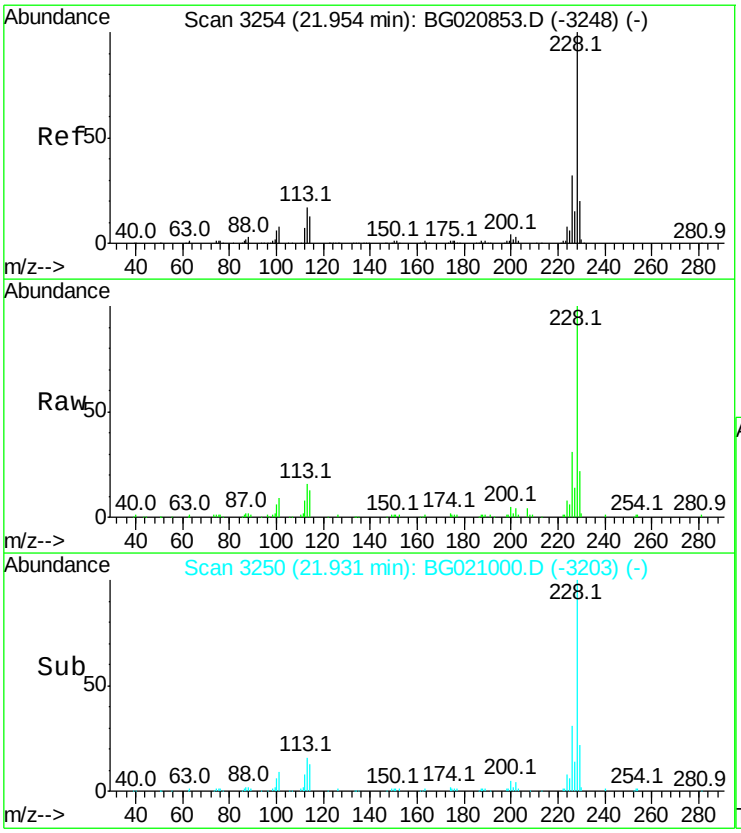
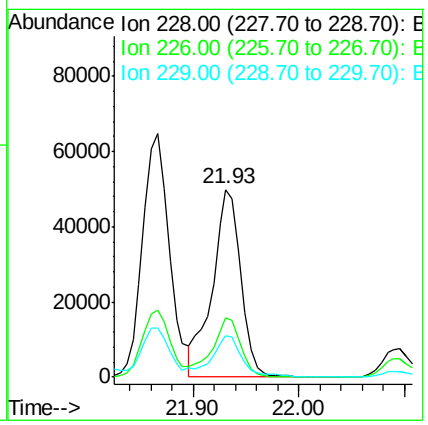
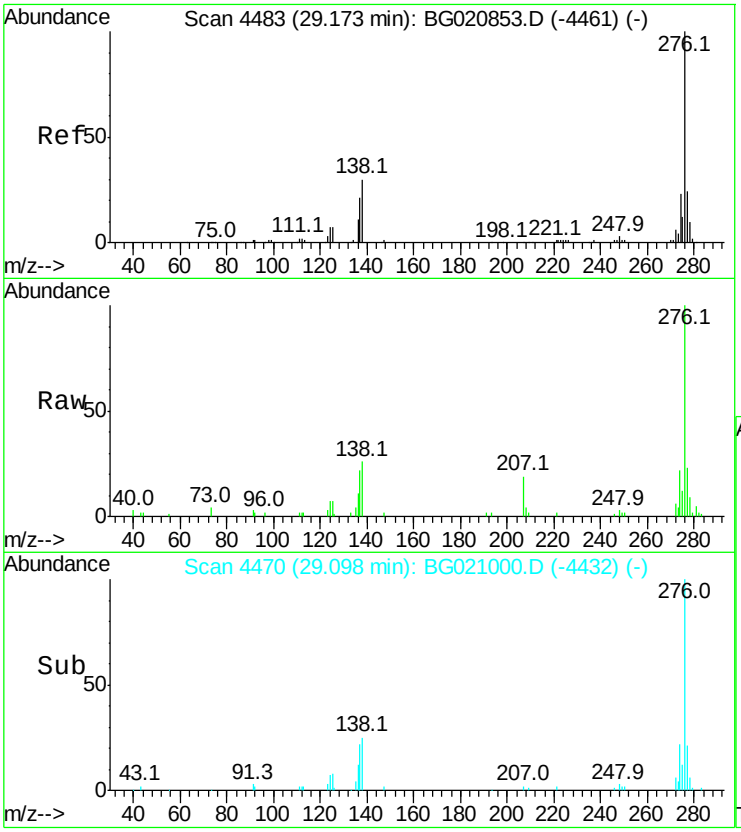


#82
Chrysene
Concen: 13.04 ng
RT: 21.93 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:228 Resp: 94571

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	22.3	16.2	24.2





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.63 ng
RT: 29.10 min Scan# 4470
Delta R.T. -0.08 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:276 Resp: 55285

Ion	Ratio	Lower	Upper
276	100		
138	31.3	20.1	30.1#
277	25.2	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
40055(0-2)

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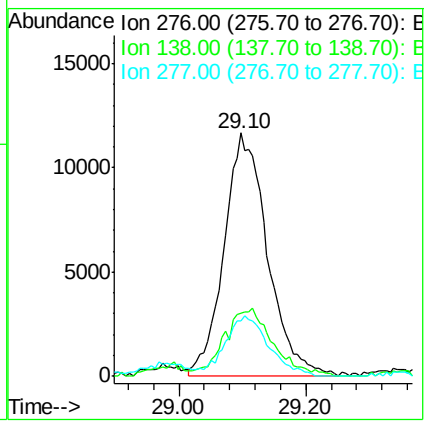
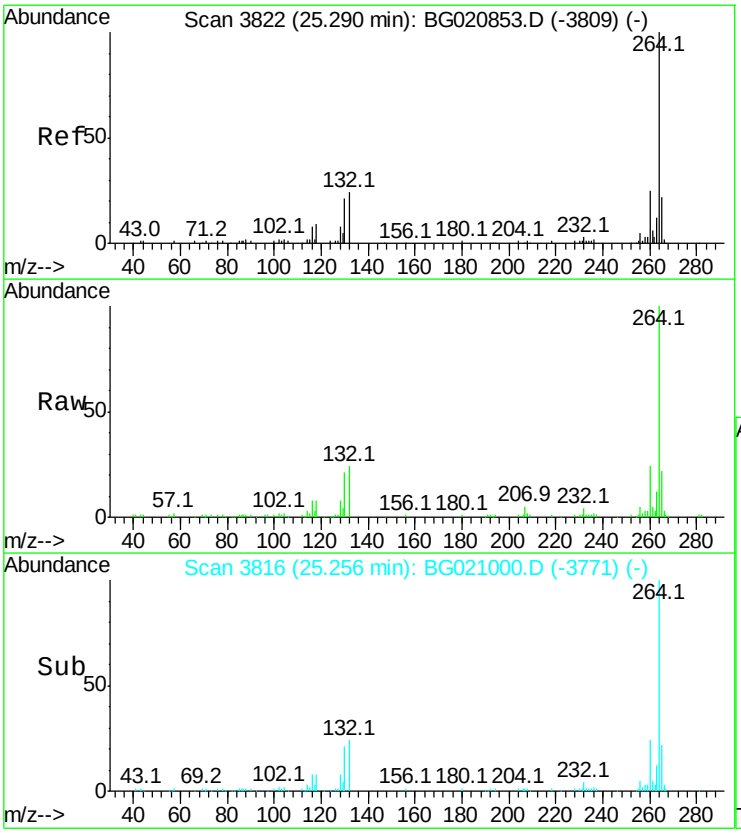
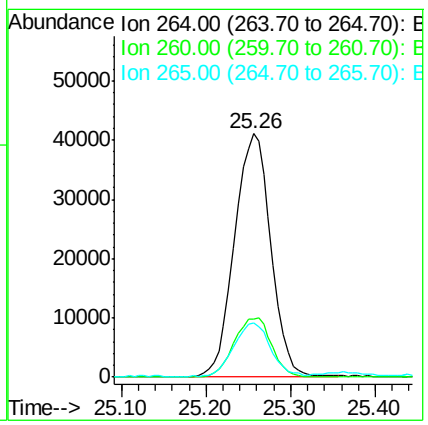


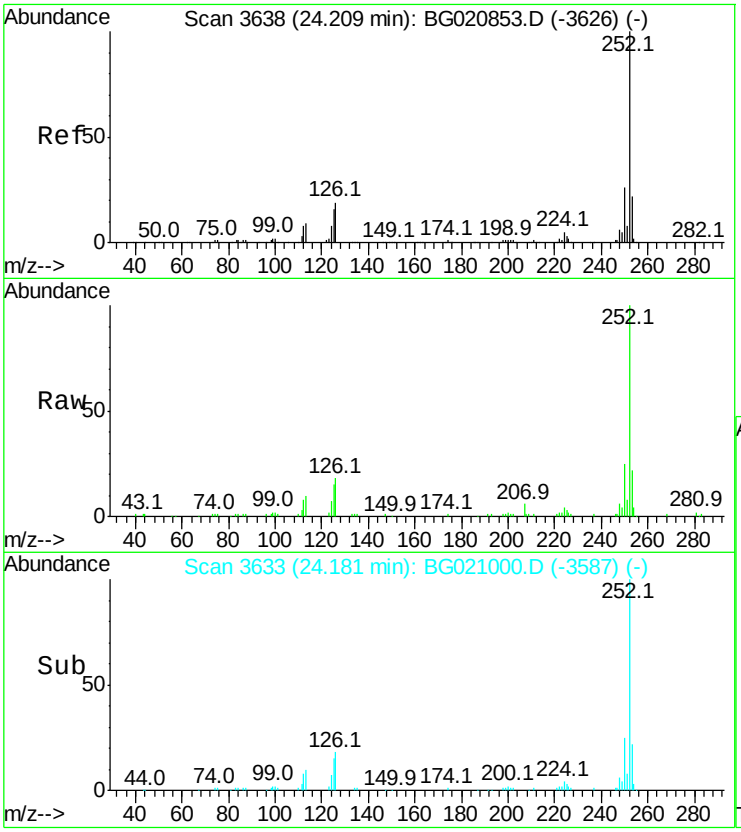


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. -0.03 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:264 Resp: 122184

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.9	29.9
265	22.1	18.0	27.0

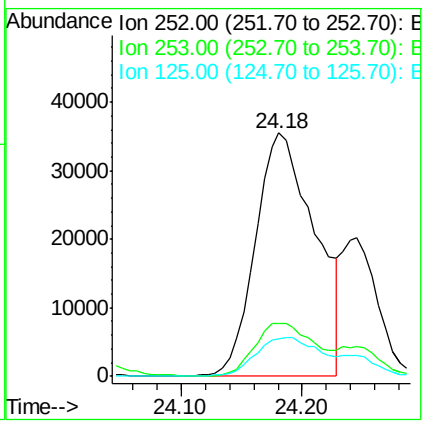




#87
Benzo(b)fluoranthene
Concen: 16.30 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:252 Resp: 121876

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.3	12.5	18.7



Instrument :
BNA_G
ClientSampleId :
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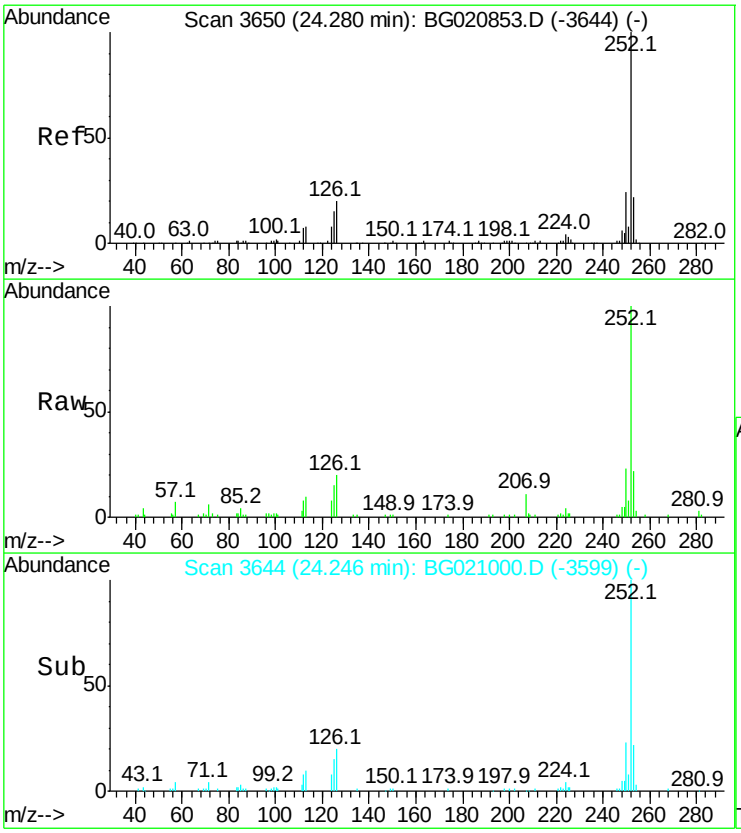
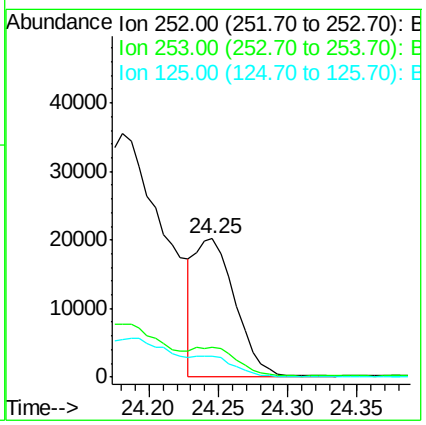
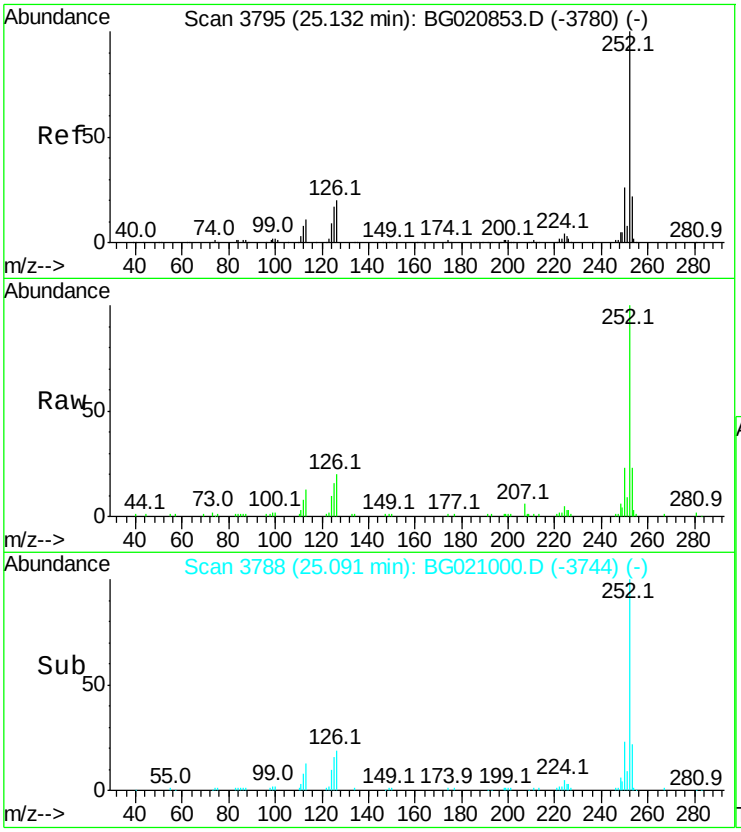


#88
Benzo(k)fluoranthene
Concen: 5.61 ng m
RT: 24.25 min Scan# 3644
Delta R.T. -0.03 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:252 Resp: 41082

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	15.5	12.2	18.4

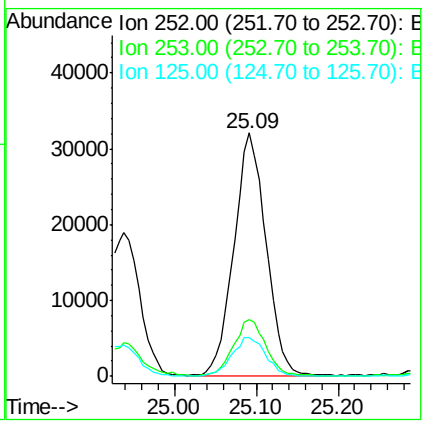




#89
Benzo(a)pyrene
Concen: 12.38 ng
RT: 25.09 min Scan# 3788
Delta R.T. -0.04 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:252 Resp: 88172

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	15.8	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
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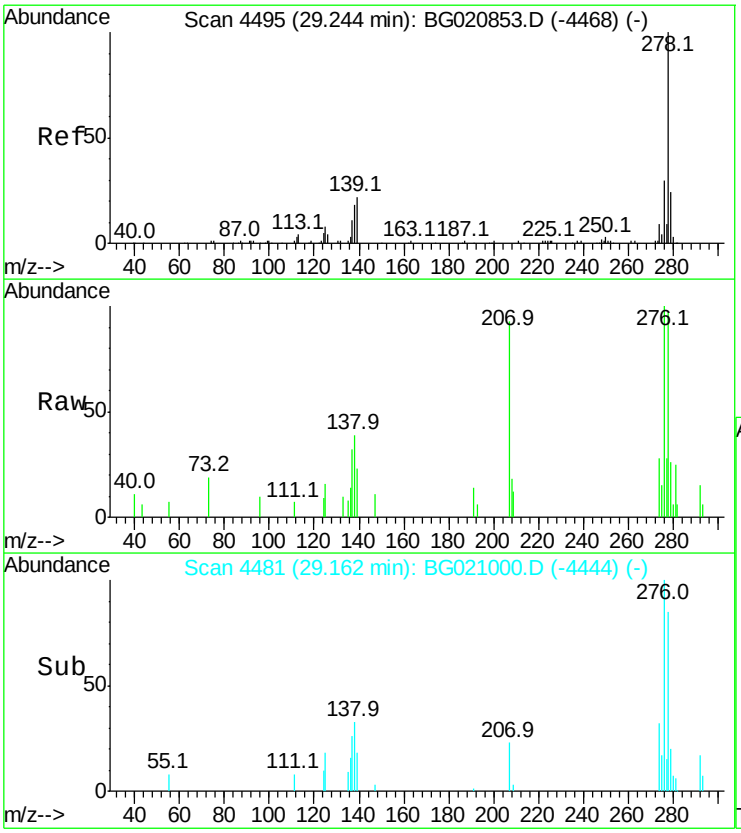
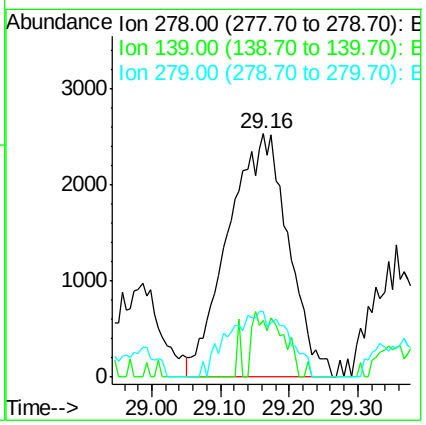
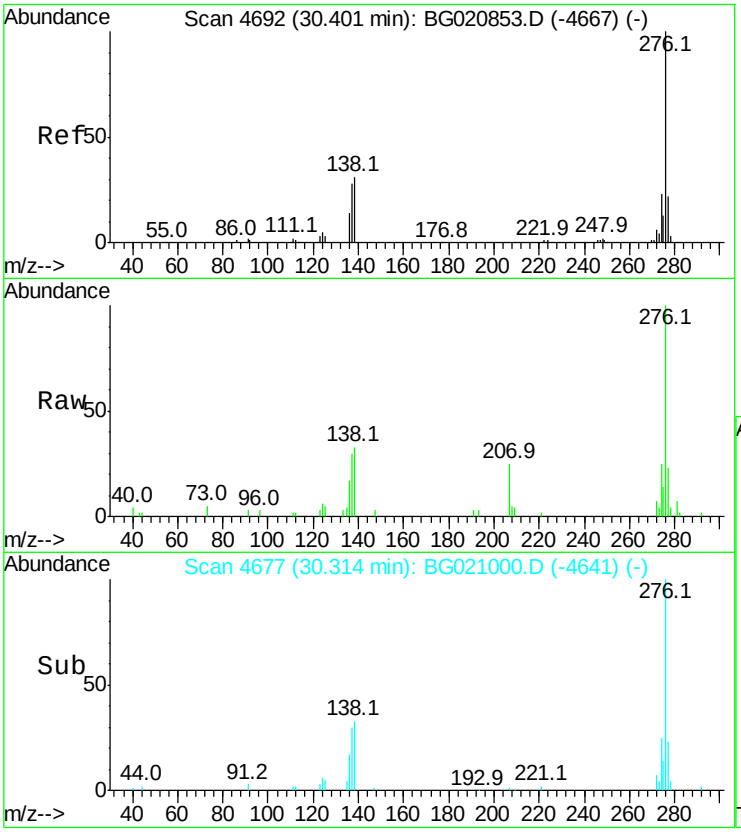


#90
Dibenzo(a,h)anthracene
Concen: 2.23 ng
RT: 29.16 min Scan# 4481
Delta R.T. -0.08 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:278 Resp: 15447

Ion	Ratio	Lower	Upper
278	100		
139	23.3	17.3	25.9
279	27.0	19.1	28.7

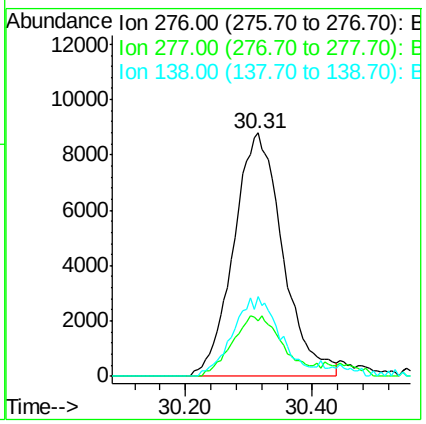




#91
Benzo(g,h,i)perylene
Concen: 6.88 ng
RT: 30.31 min Scan# 4677
Delta R.T. -0.09 min
Lab File: BG021000.D
Acq: 20 Feb 2016 9:21

Tgt Ion:276 Resp: 47312

Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.6	26.4
138	33.0	25.2	37.8



Instrument :
BNA_G
ClientSampleId :
40055(0-2)

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