Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
Data File : BG020955.D
Acq On : 19 Feb 2016 3:40
Operator : SJ/UM
Sample : H1444-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BT005

Manual Integrations APPROVED
UMANGI
2/19/2016 3:24:51 PM

Quant Time: Feb 19 08:13:34 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	19969	20.00	ng		0.00
21) Naphthalene-d8	11.08	136	109238	20.00	ng		-0.01
38) Acenaphthene-d10	14.87	164	67749	20.00	ng		-0.02
63) Phenanthrene-d10	17.61	188	133069	20.00	ng		-0.01
75) Chrysene-d12	21.88	240	123066	20.00	ng		-0.02
86) Perylene-d12	25.25	264	118838	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.79	112	234878	198.08	ng		0.00
7) Phenol-d6	7.41	99	354724	204.67	ng		0.00
23) Nitrobenzene-d5	9.43	82	189025	113.78	ng		-0.01
41) 2,4,6-Tribromophenol	16.35	330	129907	194.98	ng		0.00
44) 2-Fluorobiphenyl	13.50	172	502503	104.19	ng		-0.01
78) Terphenyl-d14	20.19	244	548028	103.88	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	14.31	163	85863	16.21	ng		99
51) Acenaphthene	14.93	154	11864	2.63	ng		99
57) Fluorene	15.91	166	15899	2.89	ng		96
70) Phenanthrene	17.65	178	249731	32.96	ng		99
71) Anthracene	17.74	178	56484	7.35	ng		99
72) Carbazole	18.00	167	15388	2.23	ng		99
74) Fluoranthene	19.64	202	298689	36.50	ng		99
77) Pyrene	20.00	202	285010	35.11	ng		99
80) Benzo(a)anthracene	21.86	228	135165	18.40	ng		100
82) Chrysene	21.93	228	115760	16.75	ng		97
85) Indeno(1,2,3-cd)pyrene	29.10	276	64180	8.08	ng	#	93
87) Benzo(b)fluoranthene	24.18	252	134216	18.45	ng		98
88) Benzo(k)fluoranthene	24.24	252	42696m	5.99	ng		
89) Benzo(a)pyrene	25.09	252	101440	14.64	ng		99
90) Dibenzo(a,h)anthracene	29.15	278	18172	2.70	ng		96
91) Benzo(g,h,i)perylene	30.31	276	60629	9.06	ng		96

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

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BNA_G
ClientSampleId :
BT005

Manual Integrations APPROVED
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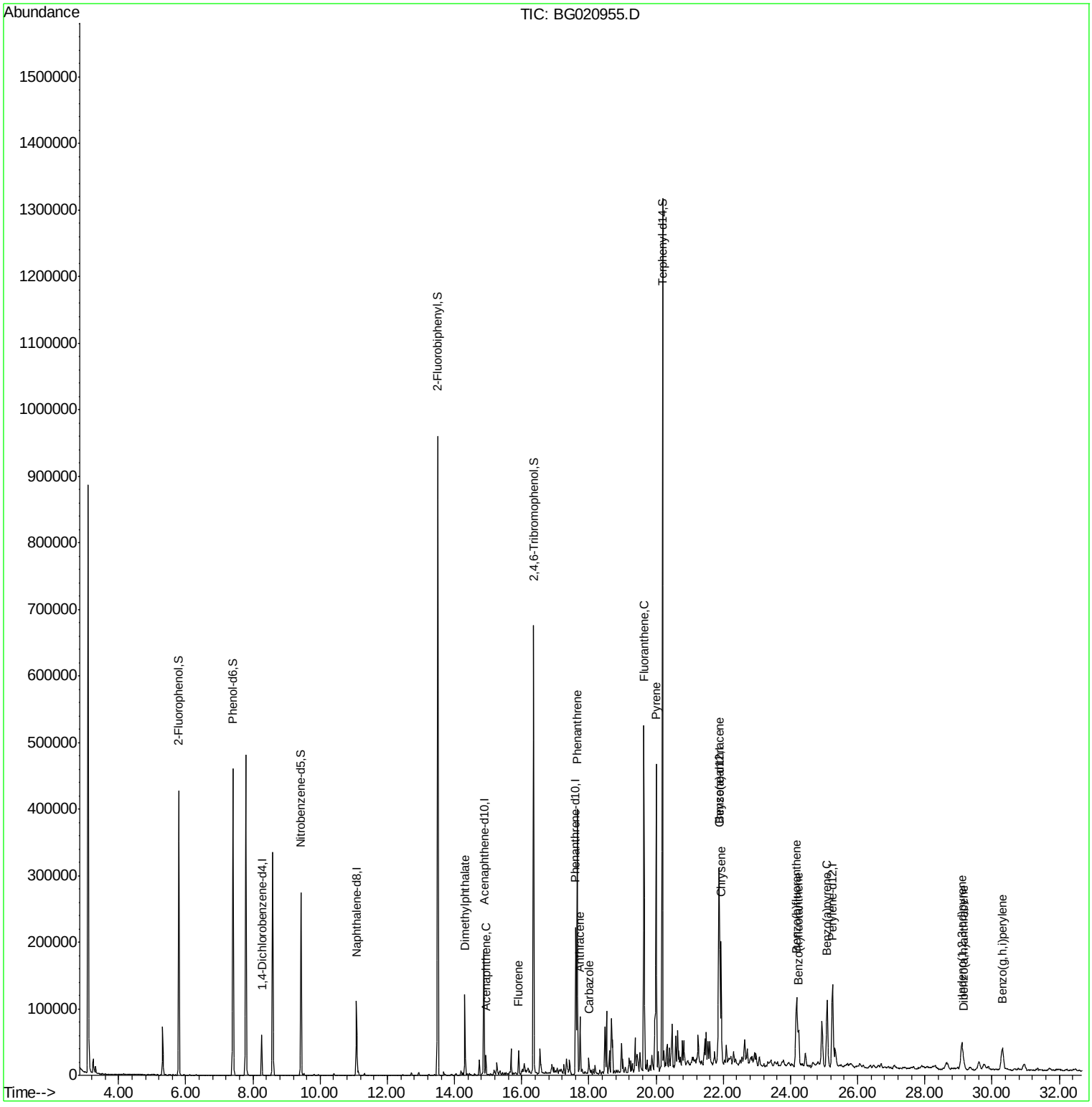
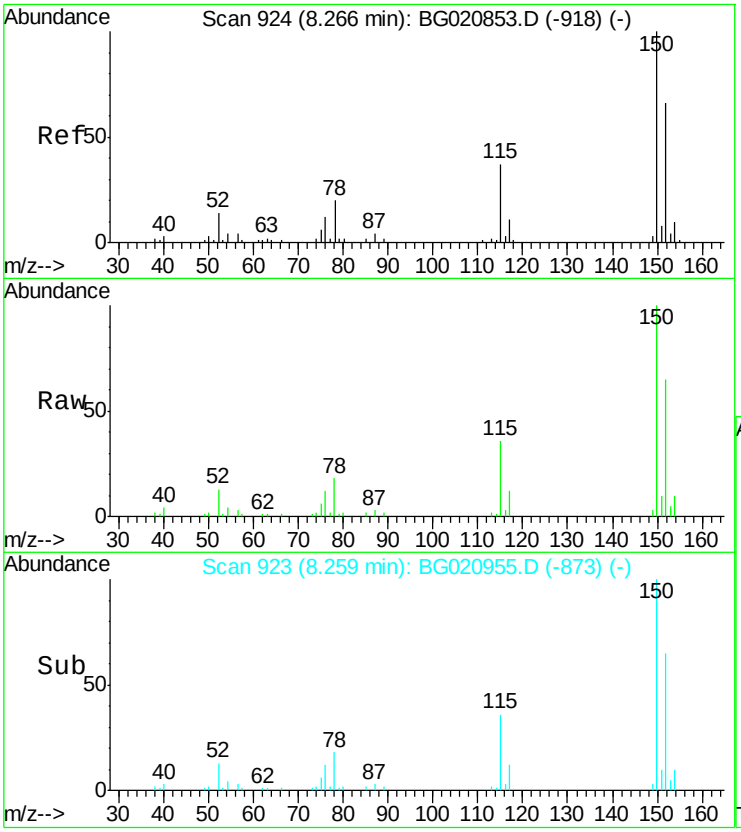
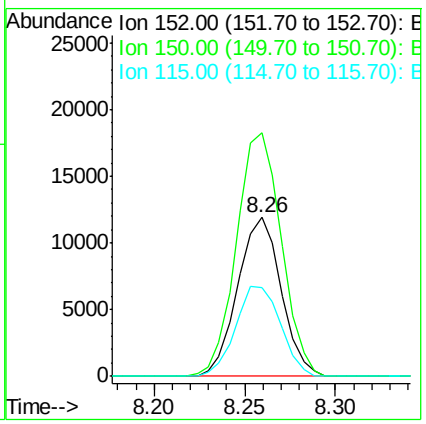




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:152 Resp: 19969

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.0	183.0
115	55.8	45.2	67.8



Instrument :
BNA_G
ClientSampleId :
BT005

Manual Integrations APPROVED
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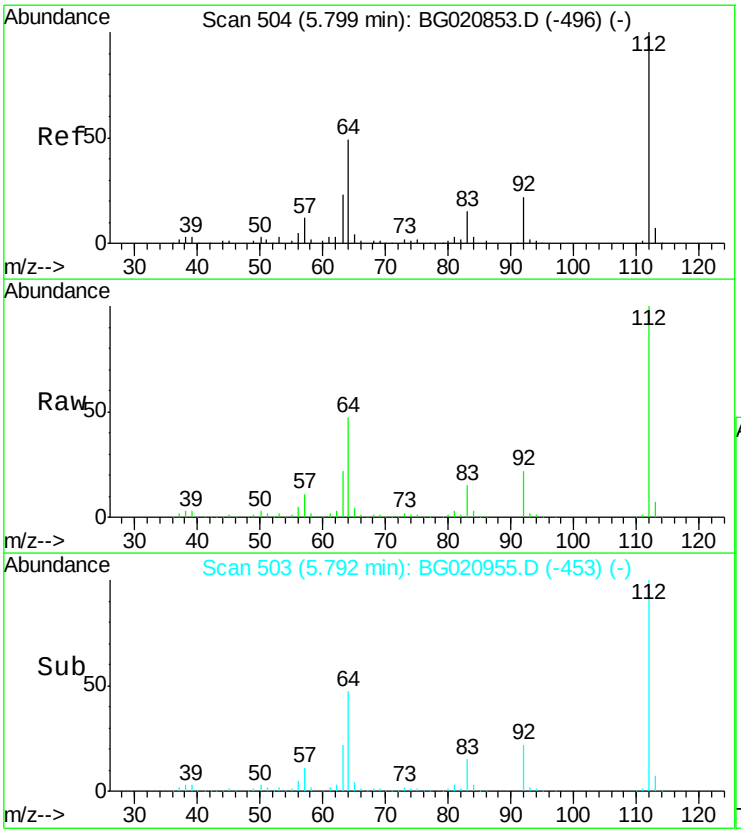
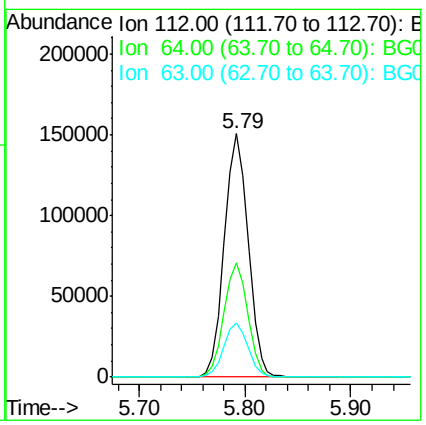
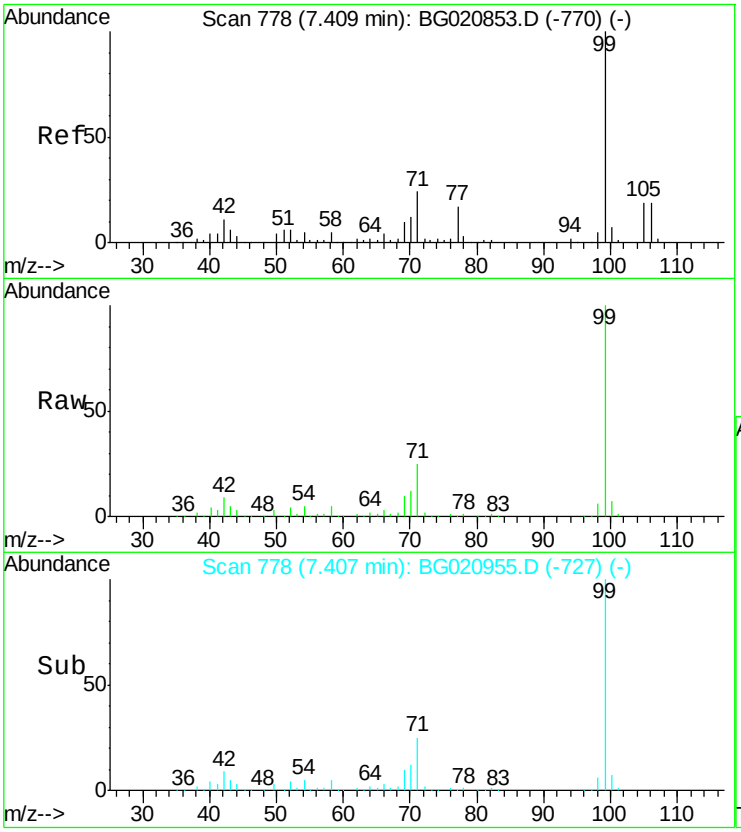


#5
2-Fluorophenol
Concen: 198.08 ng
RT: 5.79 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:112 Resp: 234878

Ion	Ratio	Lower	Upper
112	100		
64	47.1	39.3	58.9
63	22.3	18.2	27.4

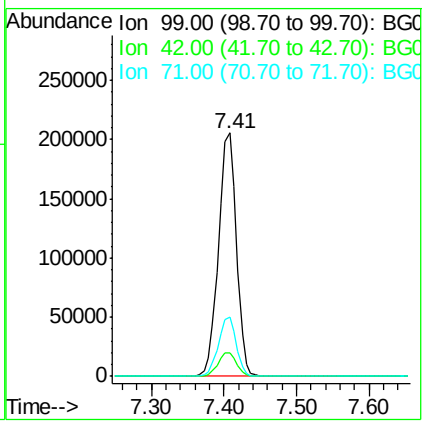




#7
Phenol-d6
Concen: 204.67 ng
RT: 7.41 min Scan# 778
Delta R.T. -0.00 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion: 99 Resp: 354724

Ion	Ratio	Lower	Upper
99	100		
42	9.5	8.4	12.6
71	24.6	19.4	29.0



Instrument :
BNA_G
ClientSampleId :
BT005

Manual Integrations APPROVED
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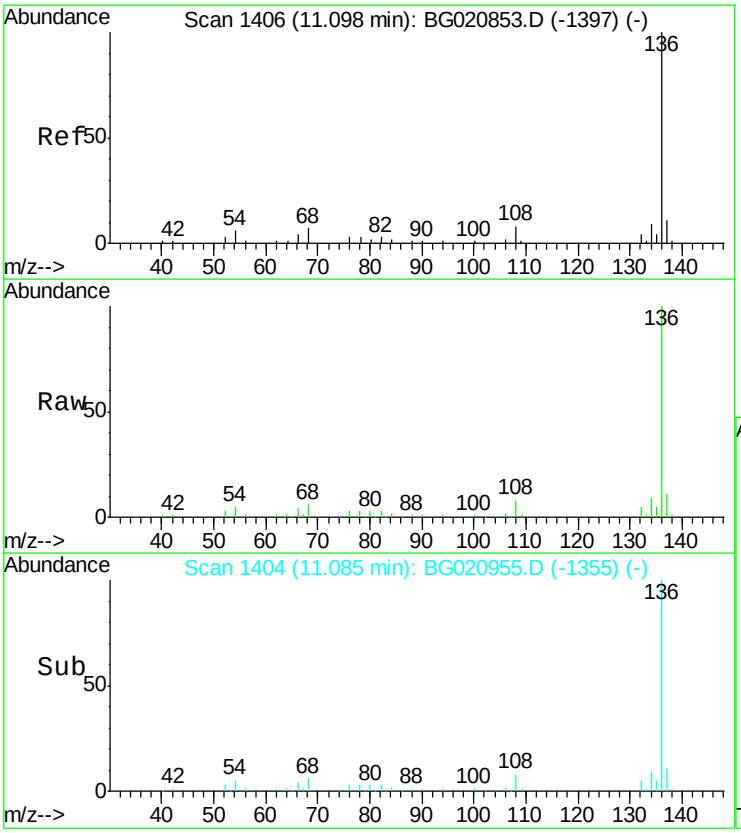
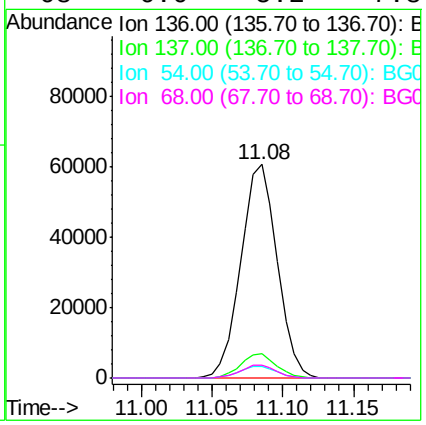
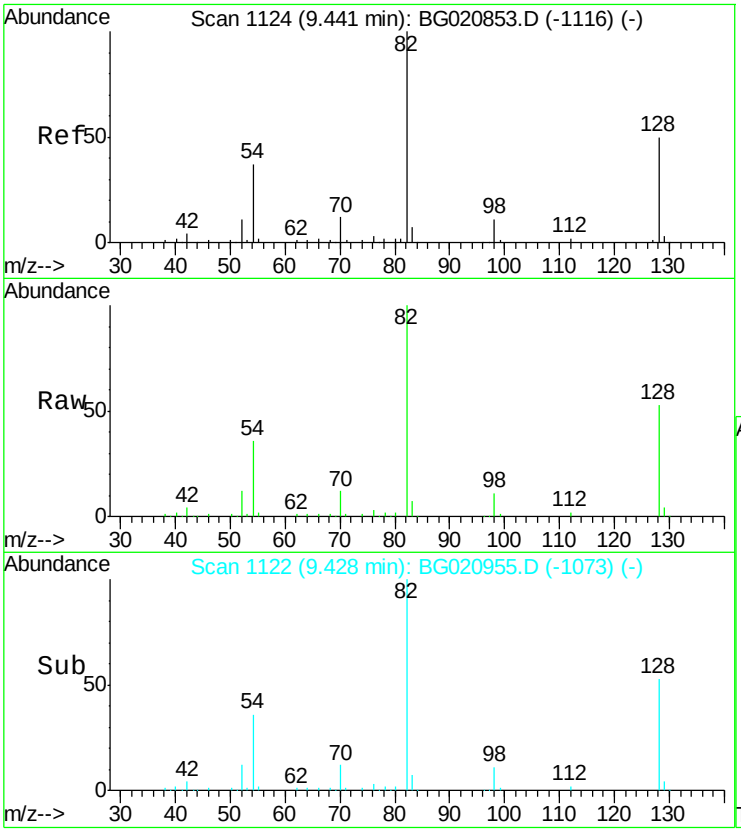


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:136 Resp: 109238

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	5.3	5.0	7.4
68	6.0	5.2	7.8

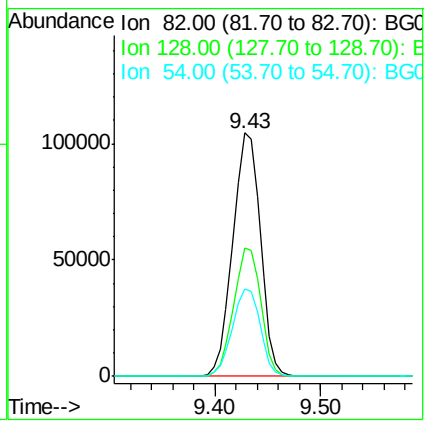




#23
Nitrobenzene-d5
Concen: 113.78 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion: 82 Resp: 189025

Ion	Ratio	Lower	Upper
82	100		
128	53.0	40.1	60.1
54	35.7	29.5	44.3



Instrument :
BNA_G
ClientSampleId :
BT005

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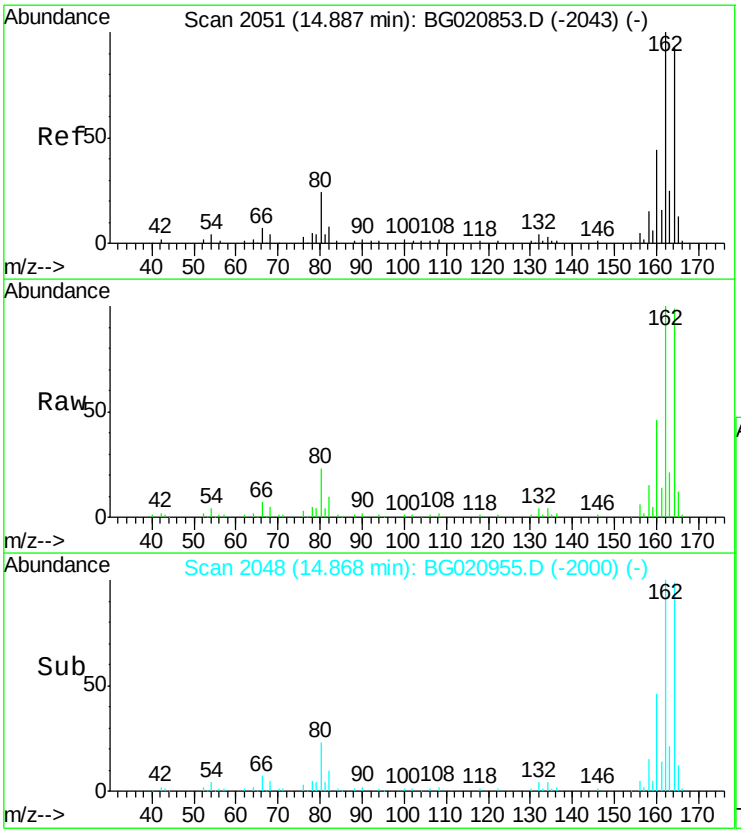
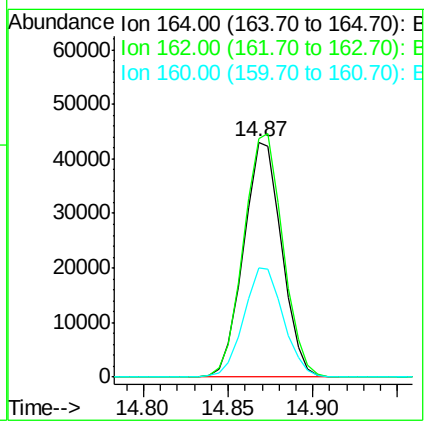
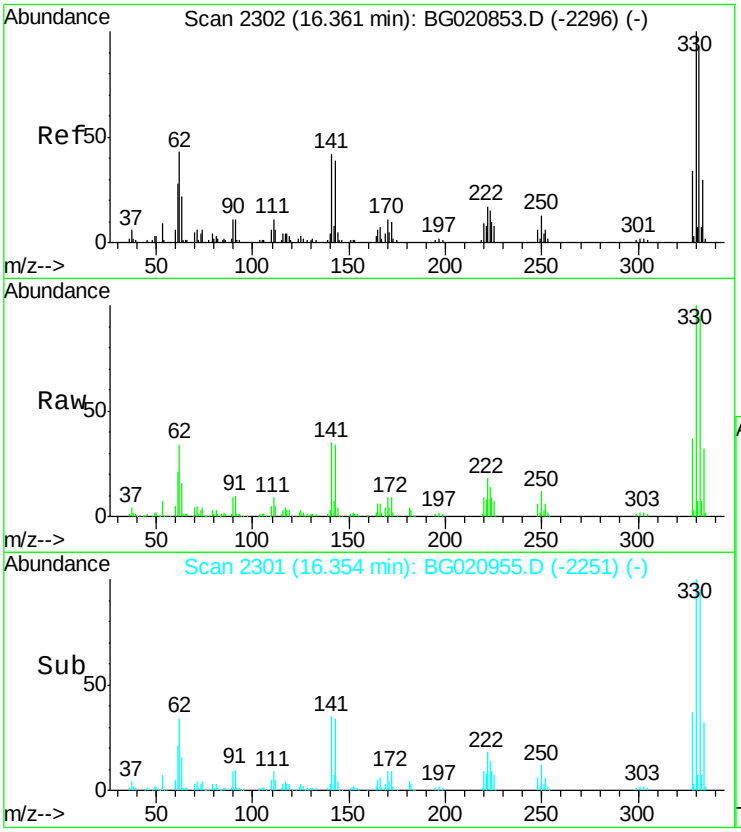


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:164 Resp: 67749

Ion	Ratio	Lower	Upper
164	100		
162	101.5	85.7	128.5
160	46.3	37.4	56.0

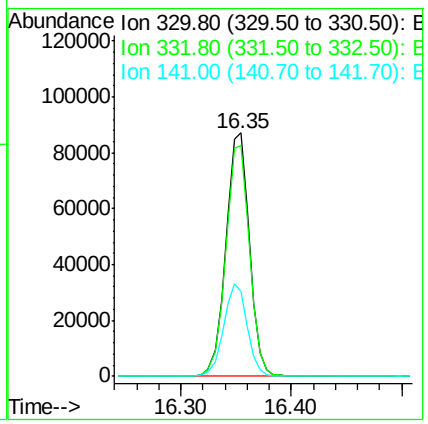




#41
2,4,6-Tribromophenol
Concen: 194.98 ng
RT: 16.35 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:330 Resp: 129907

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.1	114.1
141	38.0	32.0	48.0



Instrument :
BNA_G
ClientSampleId :
BT005

Manual Integrations APPROVED
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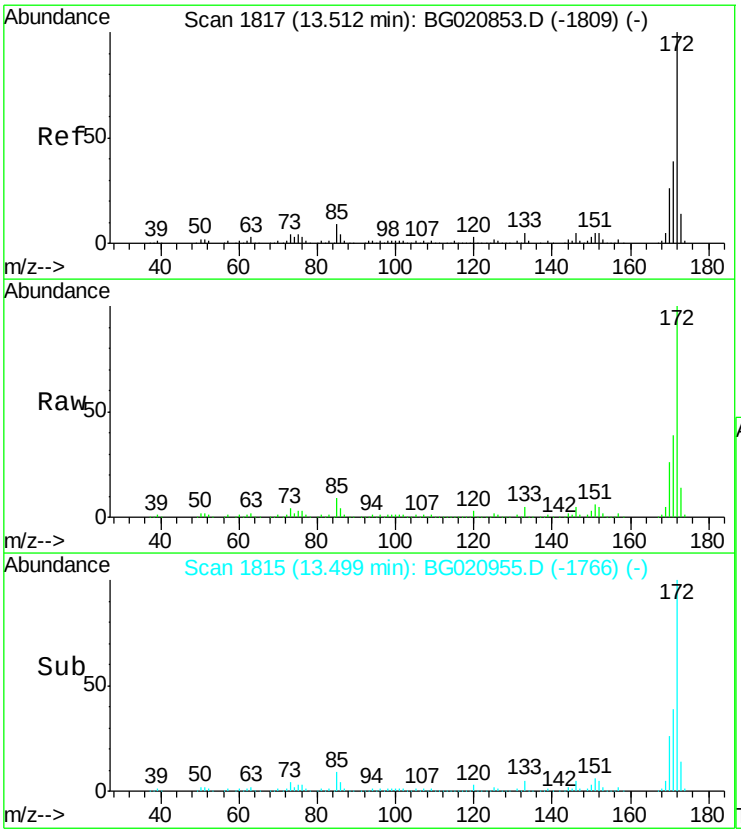
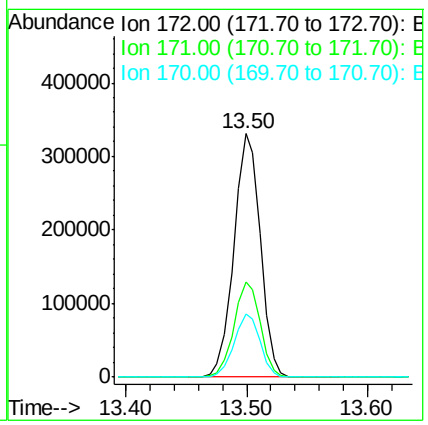
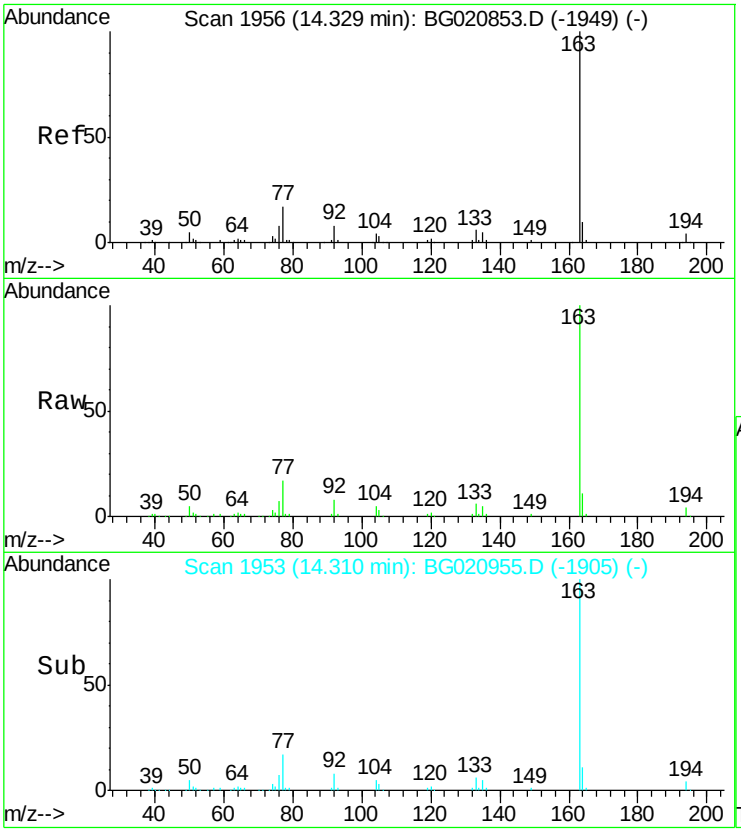


#44
2-Fluorobiphenyl
Concen: 104.19 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:172 Resp: 502503

Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.2	46.8
170	26.1	20.6	30.8

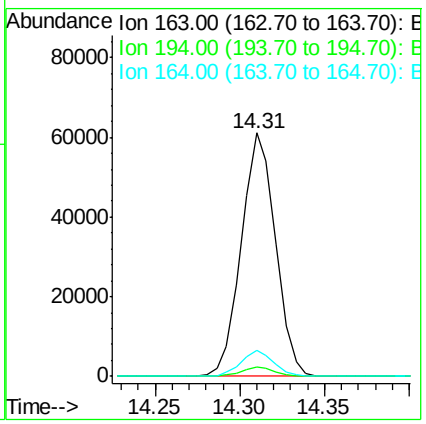




#49
Dimethylphthalate
Concen: 16.21 ng
RT: 14.31 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:163 Resp: 85863

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.6	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
BT005

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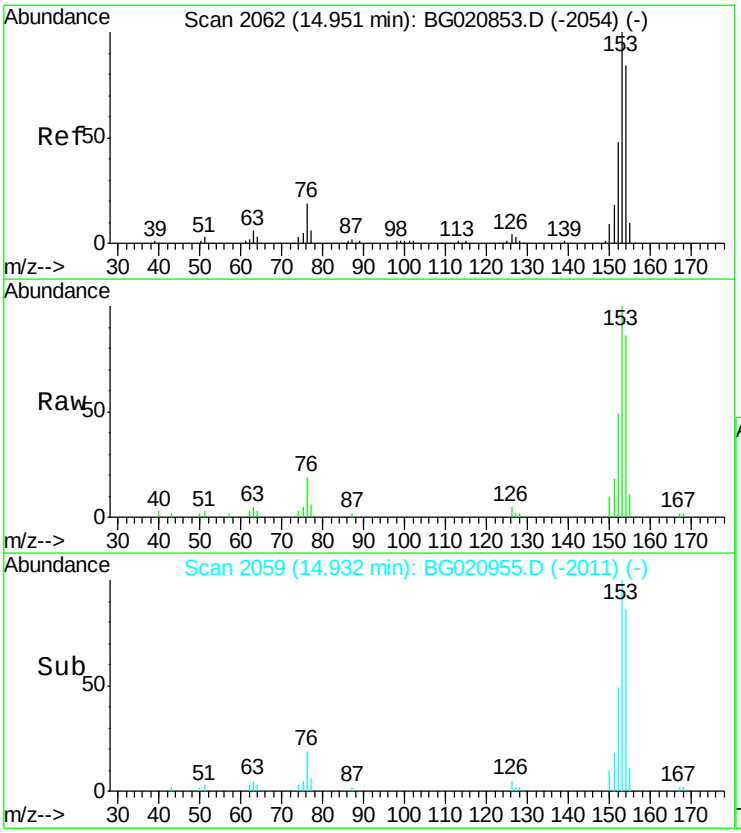
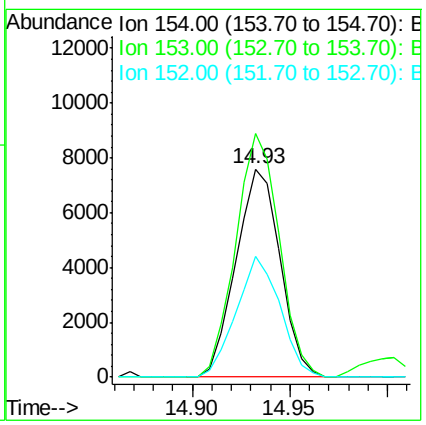
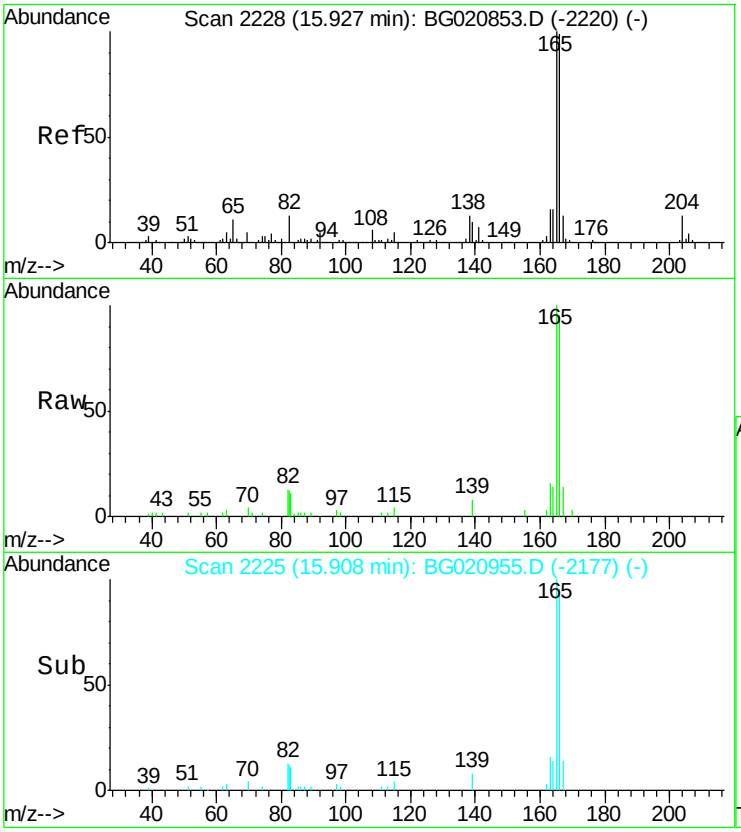


#51
Acenaphthene
Concen: 2.63 ng
RT: 14.93 min Scan# 2059
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:154 Resp: 11864

Ion	Ratio	Lower	Upper
154	100		
153	116.9	95.4	143.0
152	57.6	46.1	69.1

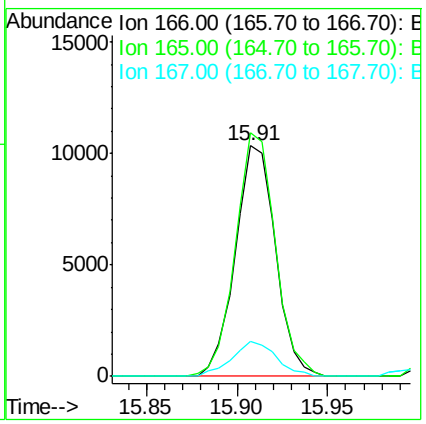




#57
Fluorene
Concen: 2.89 ng
RT: 15.91 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:166 Resp: 15899

Ion	Ratio	Lower	Upper
166	100		
165	105.6	81.0	121.4
167	14.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
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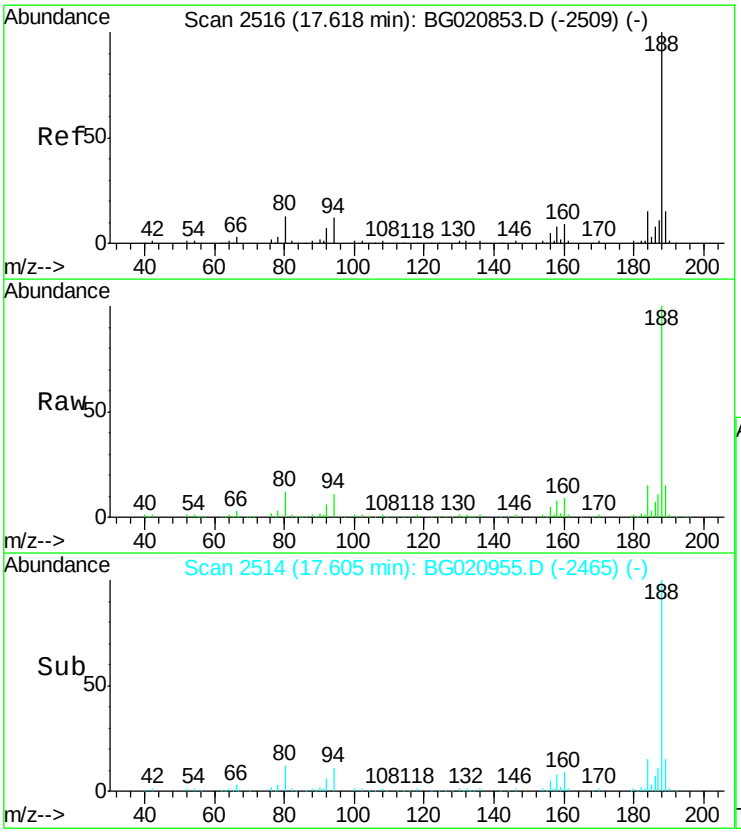
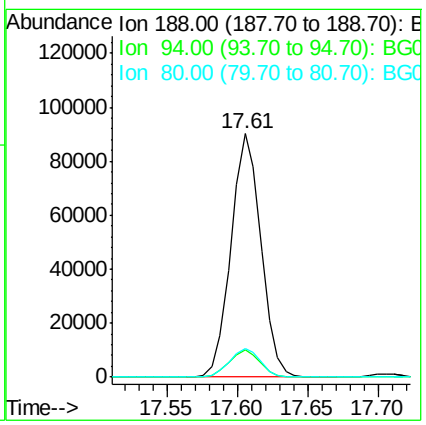
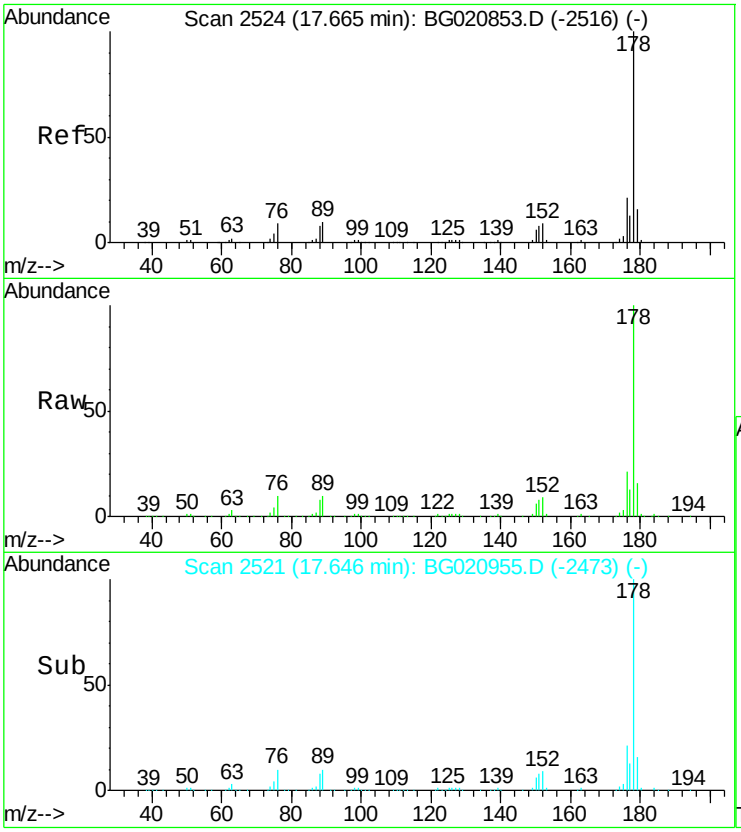


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:188 Resp: 133069

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.0
80	11.8	10.2	15.4

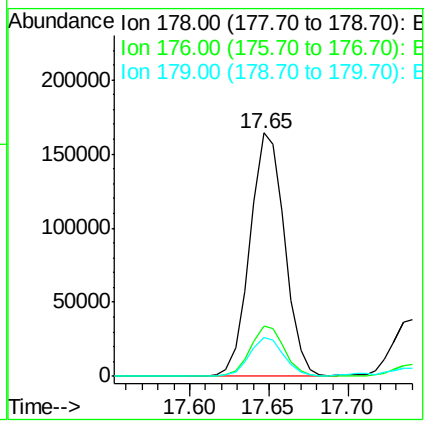




#70
Phenanthrene
Concen: 32.96 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:178 Resp: 249731

Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.8	25.2
179	16.1	12.6	19.0



Instrument :
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ClientSampleId :
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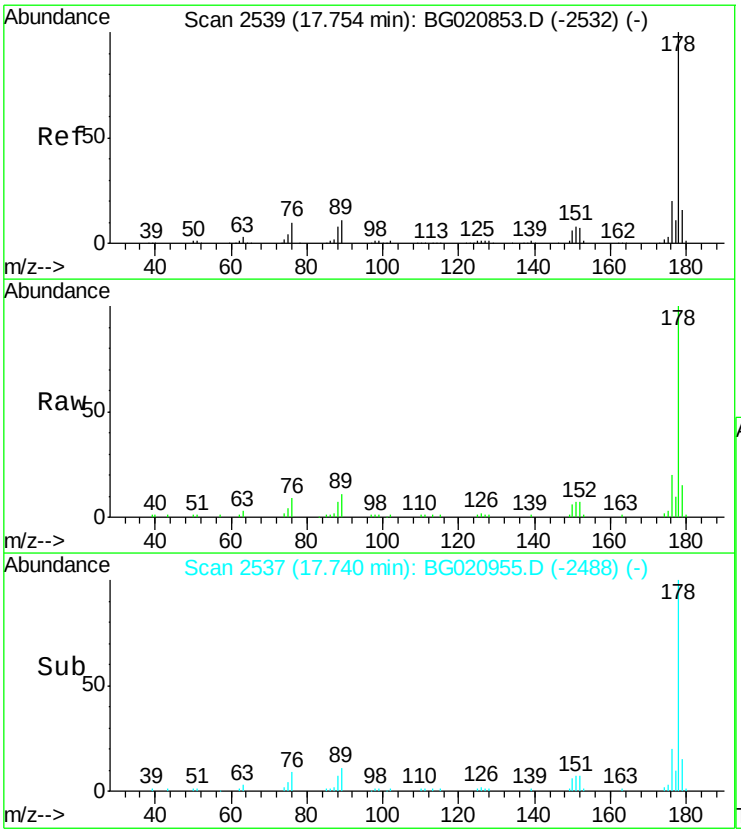
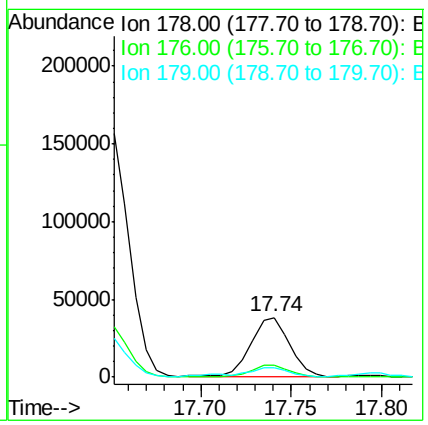
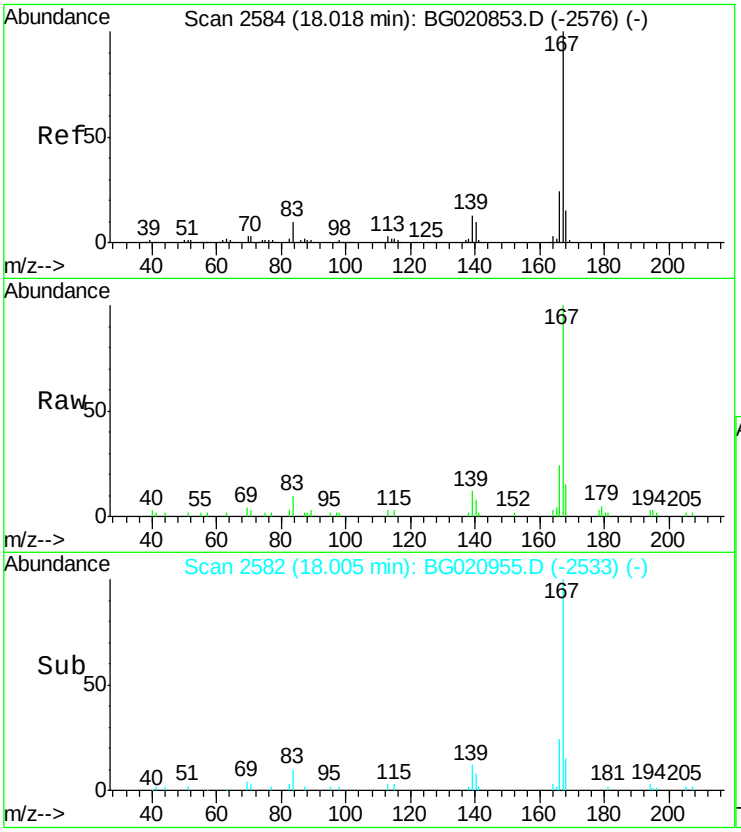


#71
Anthracene
Concen: 7.35 ng
RT: 17.74 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:178 Resp: 56484

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	14.9	12.7	19.1

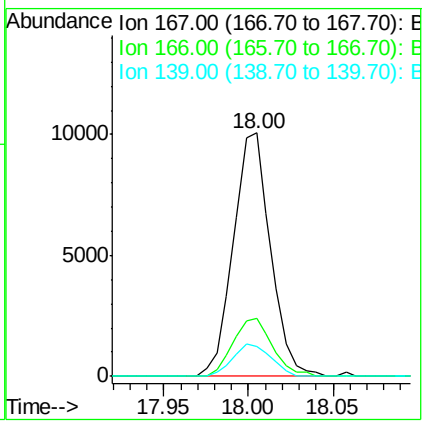




#72
Carbazole
Concen: 2.23 ng
RT: 18.00 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:167 Resp: 15388

Ion	Ratio	Lower	Upper
167	100		
166	23.6	19.3	28.9
139	12.4	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
BT005

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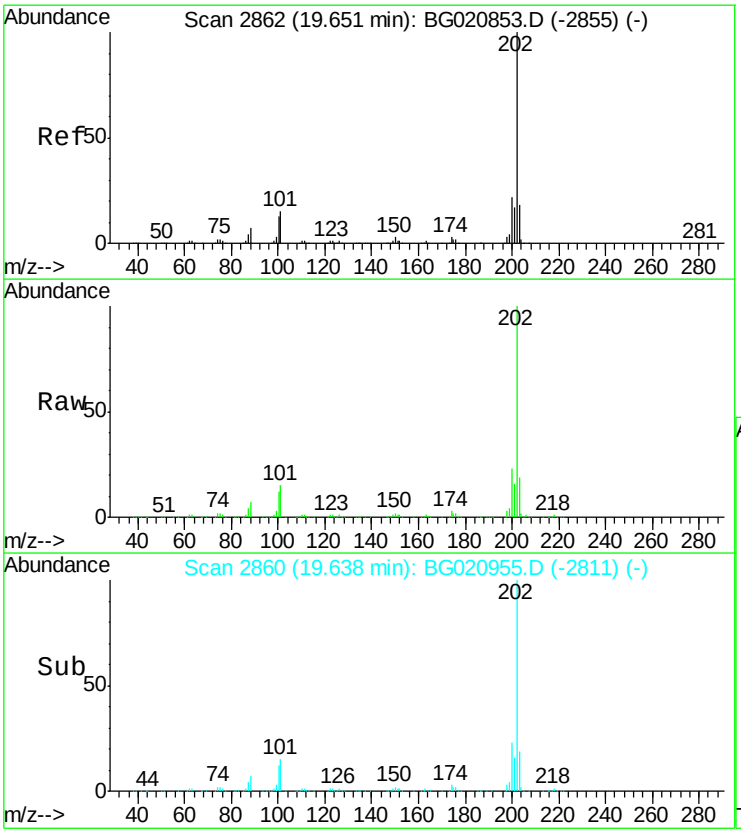
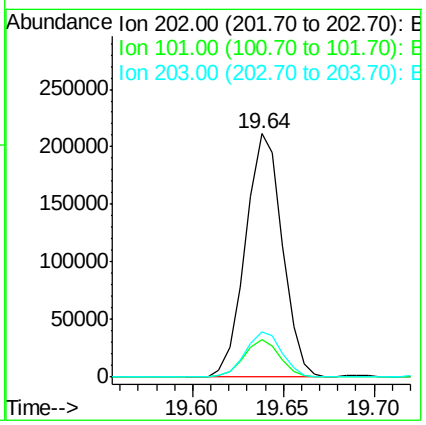
2/19/2016 3:24:51 PM

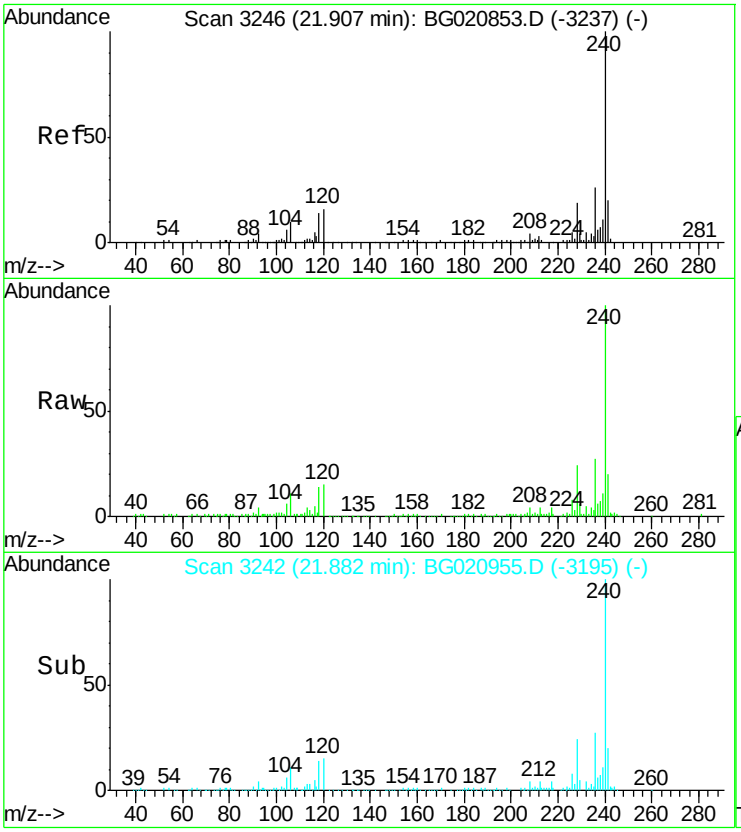


#74
Fluoranthene
Concen: 36.50 ng
RT: 19.64 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:202 Resp: 298689

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	35.3
203	18.7	0.0	37.8

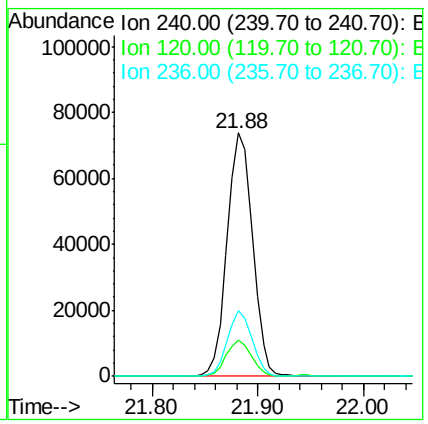




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.88 min Scan# 3242
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:240 Resp: 123066

Ion	Ratio	Lower	Upper
240	100		
120	15.1	13.0	19.4
236	26.8	21.0	31.4



Instrument :
BNA_G
ClientSampleId :
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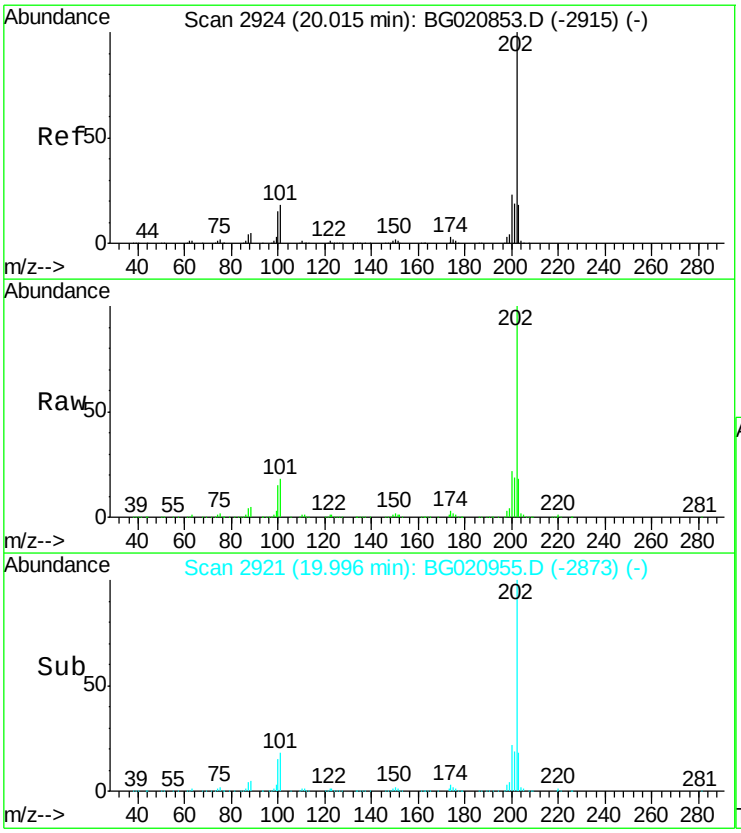
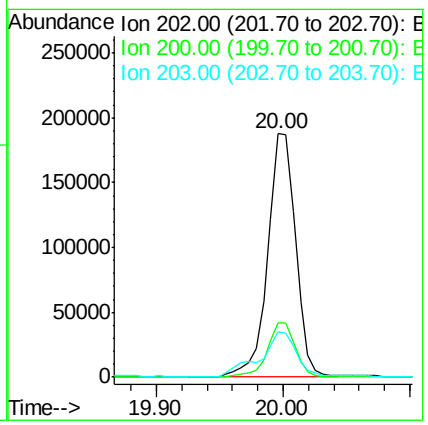
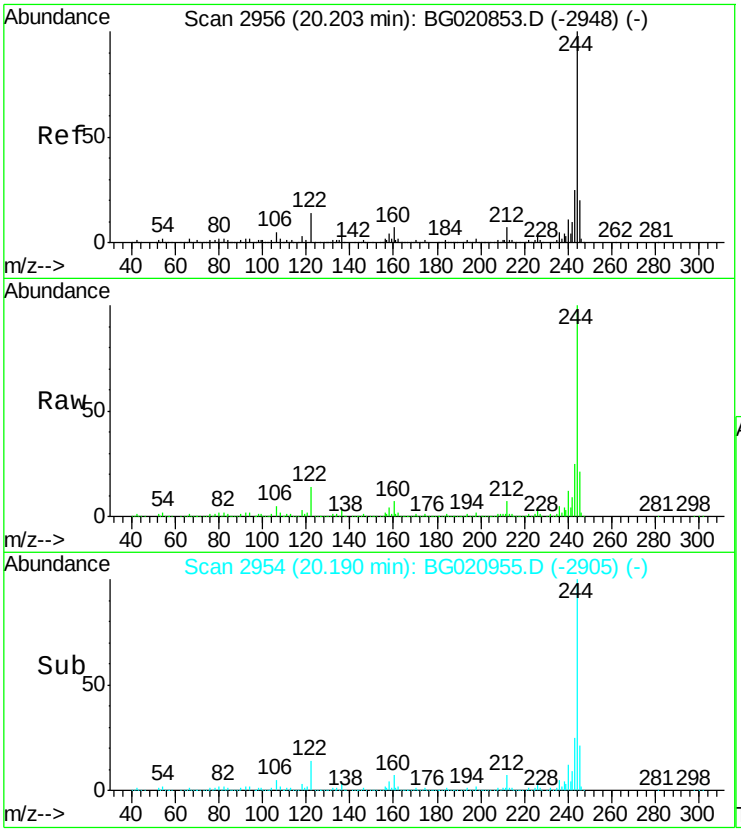


#77
Pyrene
Concen: 35.11 ng
RT: 20.00 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:202 Resp: 285010

Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.5	27.7
203	18.4	14.3	21.5

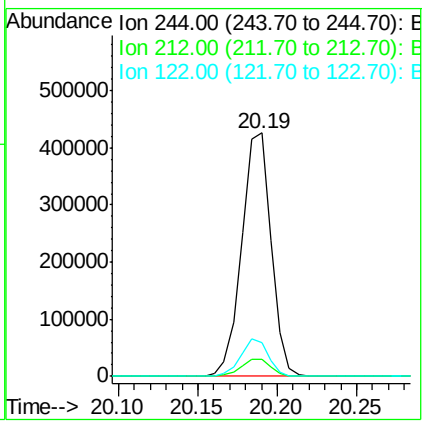




#78
Terphenyl-d14
Concen: 103.88 ng
RT: 20.19 min Scan# 2954
Delta R.T. -0.01 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:244 Resp: 548028

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	13.8	11.4	17.2



Instrument :
BNA_G
ClientSampleId :
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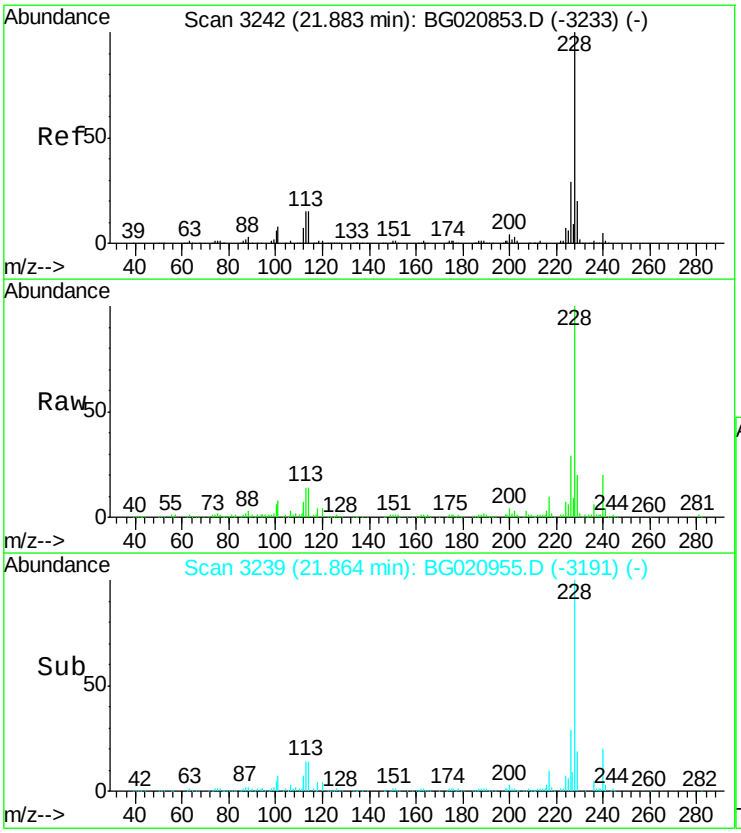
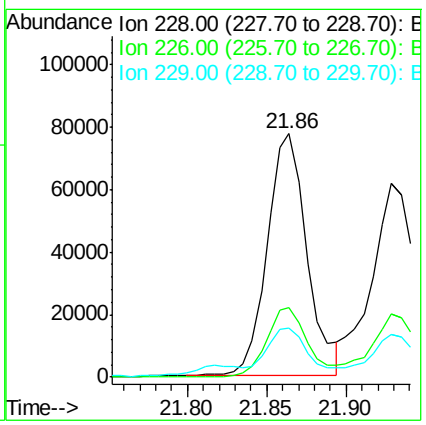
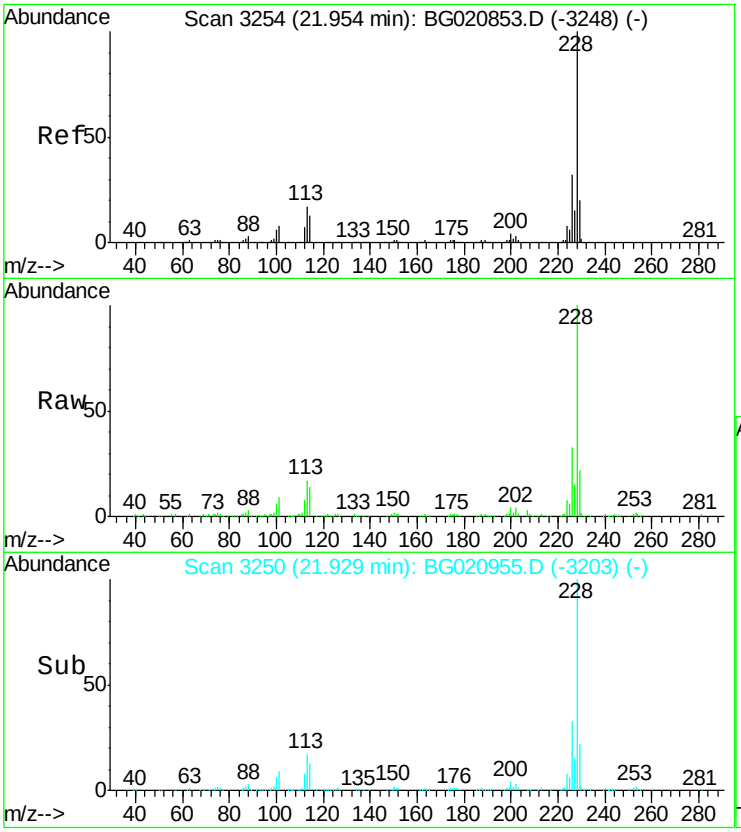


#80
Benzo(a)anthracene
Concen: 18.40 ng
RT: 21.86 min Scan# 3239
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:228 Resp: 135165

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.1	34.7
229	20.0	16.2	24.2

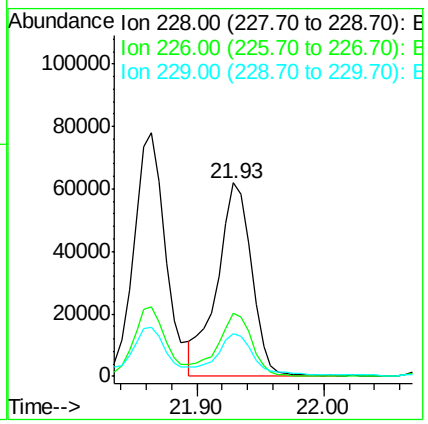




#82
Chrysene
Concen: 16.75 ng
RT: 21.93 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:228 Resp: 115760

Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.3	37.9
229	22.1	16.2	24.2



Instrument :
BNA_G
ClientSampleId :
BT005

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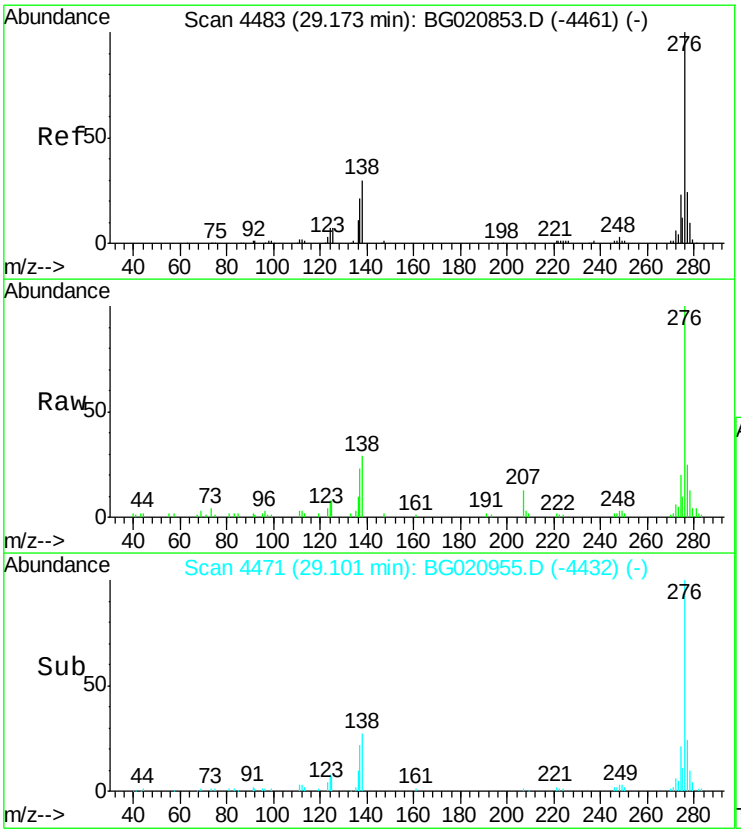
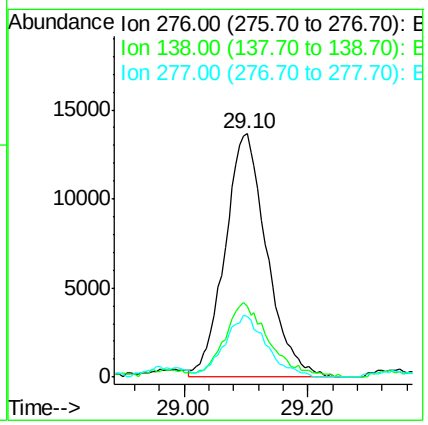
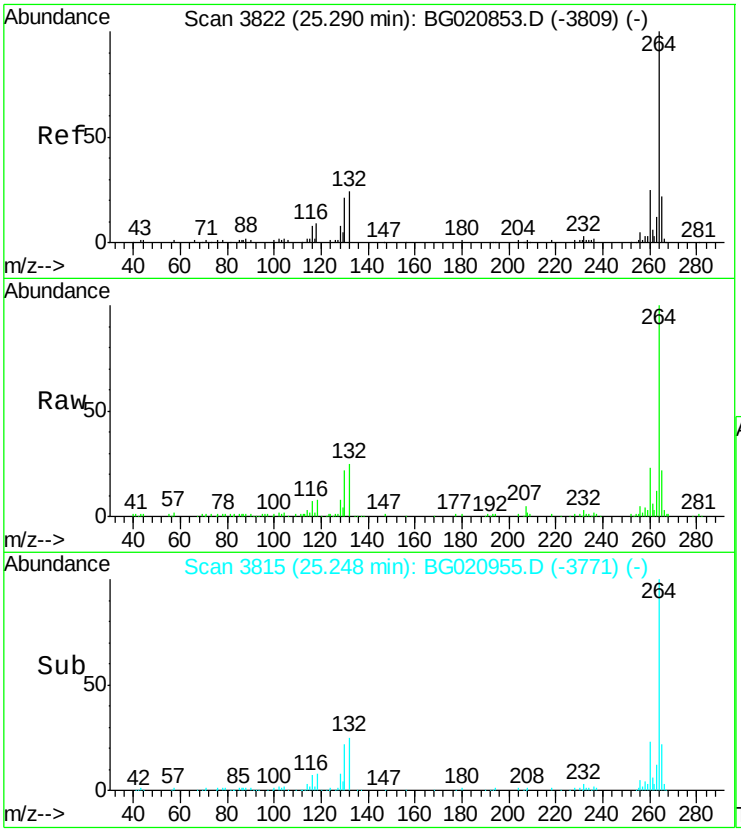


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.08 ng
RT: 29.10 min Scan# 4471
Delta R.T. -0.07 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:276 Resp: 64180

Ion	Ratio	Lower	Upper
276	100		
138	32.6	20.1	30.1#
277	25.6	20.5	30.7

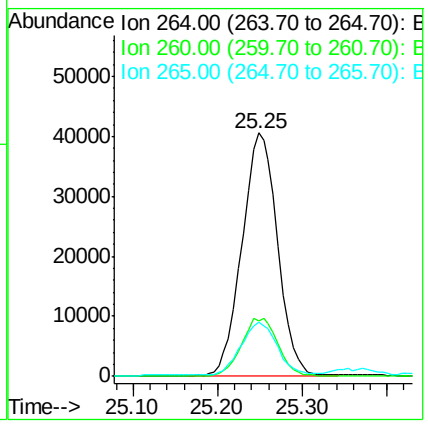




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.25 min Scan# 3815
Delta R.T. -0.04 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:264 Resp: 118838

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.9	29.9
265	22.2	18.0	27.0



Instrument :
BNA_G
ClientSampleId :
BT005

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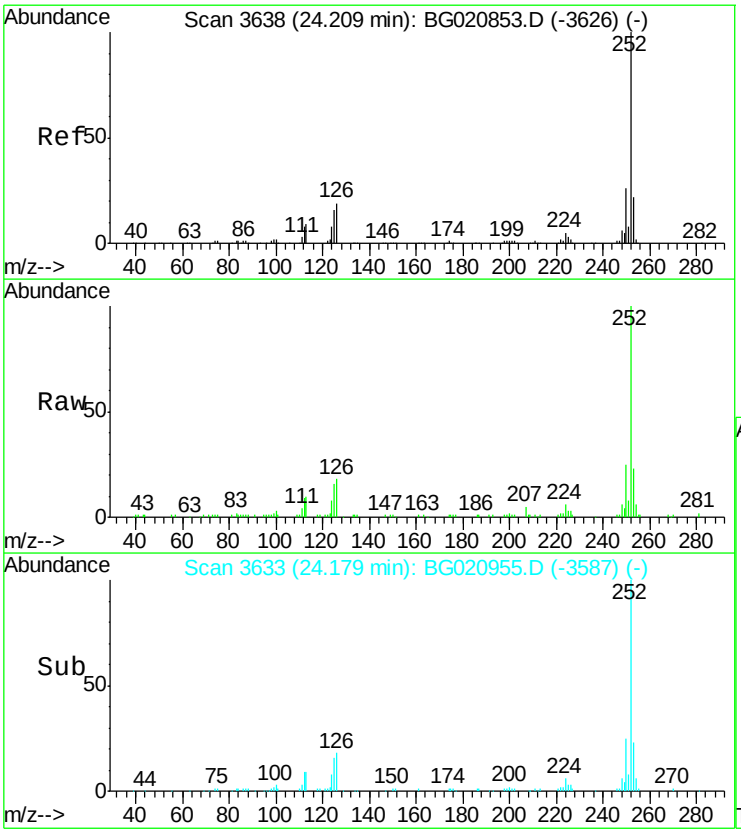
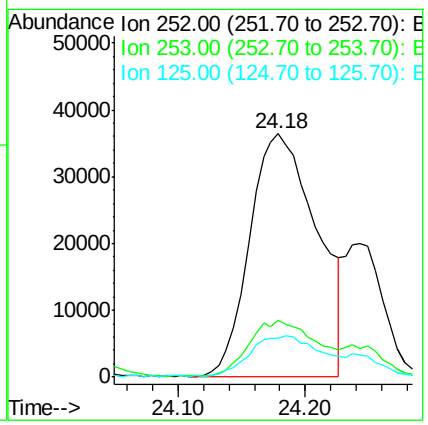
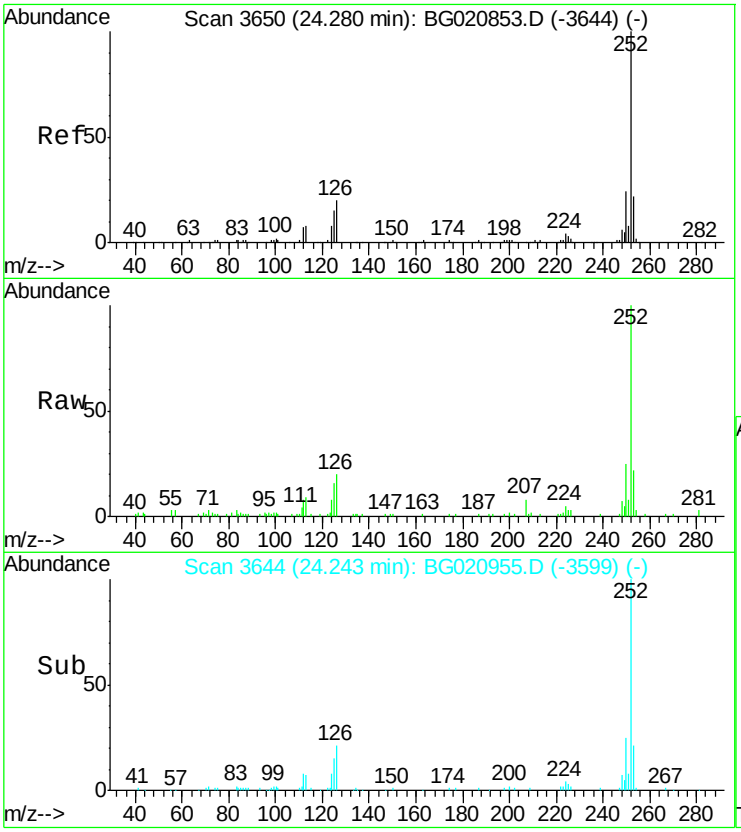


#87
Benzo(b)fluoranthene
Concen: 18.45 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:252 Resp: 134216

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.1	12.5	18.7

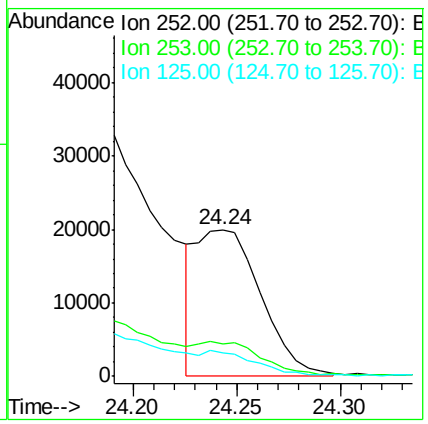




#88
Benzo(k)fluoranthene
Concen: 5.99 ng m
RT: 24.24 min Scan# 3644
Delta R.T. -0.04 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:252 Resp: 42696

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	16.2	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
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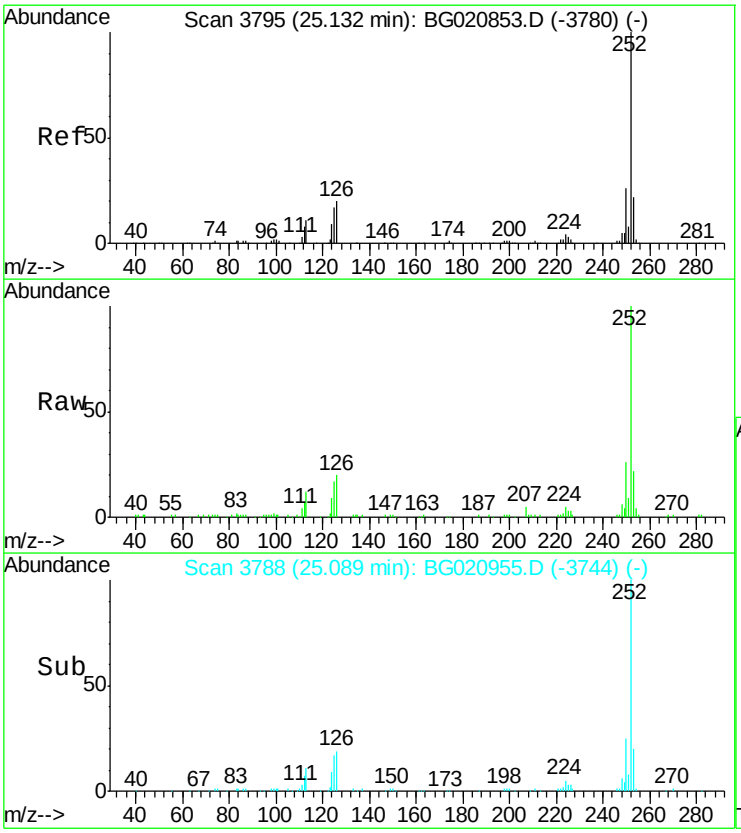
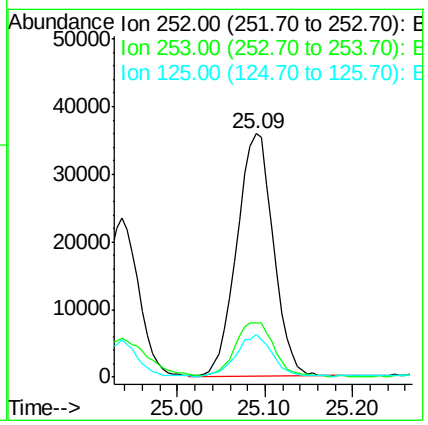
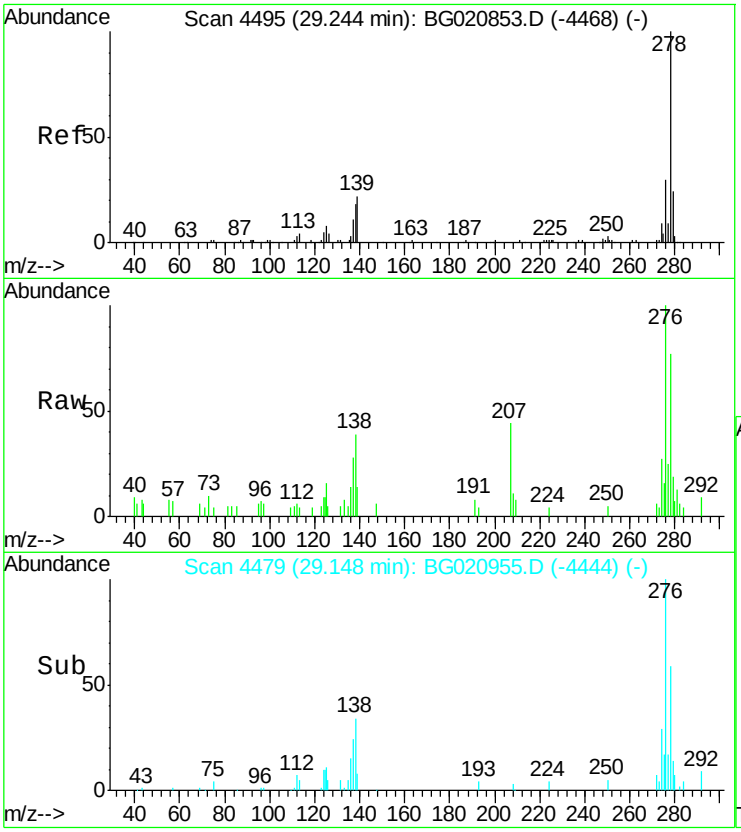


#89
Benzo(a)pyrene
Concen: 14.64 ng
RT: 25.09 min Scan# 3788
Delta R.T. -0.04 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:252 Resp: 101440

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	17.5	13.6	20.4

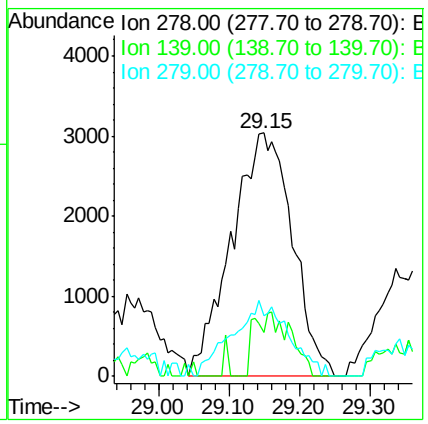




#90
Dibenzo(a,h)anthracene
Concen: 2.70 ng
RT: 29.15 min Scan# 4479
Delta R.T. -0.10 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:278 Resp: 18172

Ion	Ratio	Lower	Upper
278	100		
139	18.2	17.3	25.9
279	24.7	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
BT005

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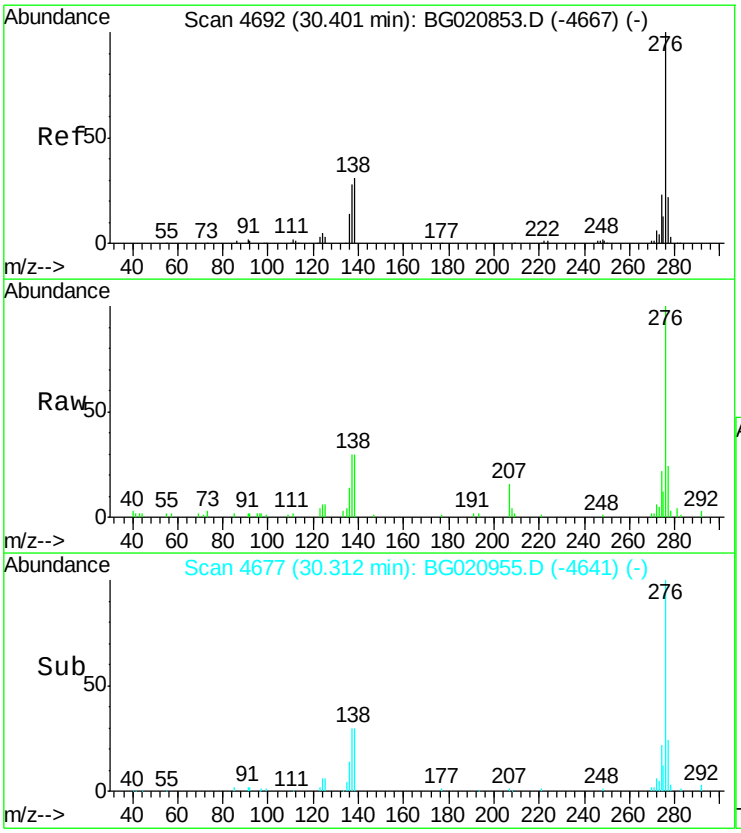

#91
Benzo(g,h,i)perylene
Concen: 9.06 ng
RT: 30.31 min Scan# 4677
Delta R.T. -0.09 min
Lab File: BG020955.D
Acq: 19 Feb 2016 3:40

Tgt Ion:276 Resp: 60629

Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.6	26.4
138	29.5	25.2	37.8