Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
Data File : BG048826.D
Acq On : 21 Apr 2021 19:25
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

Manual Integrations APPROVED
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4/22/2021 12:09:35 PM

Quant Time: Apr 22 01:01:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 20 17:33:30 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.056	152	20265	20.00	ng		0.00
21) Naphthalene-d8	10.888	136	85906	20.00	ng		# 0.00
39) Acenaphthene-d10	14.719	164	58337	20.00	ng		0.00
64) Phenanthrene-d10	17.480	188	131131	20.00	ng		# 0.00
76) Chrysene-d12	21.775	240	136733	20.00	ng		0.00
86) Perylene-d12	25.107	264	136950	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.612	112	126830	104.68	ng		0.00
7) Phenol-d6	7.222	99	162689	94.93	ng		0.00
23) Nitrobenzene-d5	9.231	82	122331	63.75	ng		0.00
42) 2,4,6-Tribromophenol	16.217	330	67292	86.03	ng		0.00
45) 2-Fluorobiphenyl	13.338	172	240415	59.51	ng		0.00
79) Terphenyl-d14	20.089	244	365729	46.04	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.941	128	288234	65.39	ng		98
37) 2-Methylnaphthalene	12.551	142	401980	114.12	ng		99
38) 1-Methylnaphthalene	12.768	142	176942	53.99	ng		96
46) 1,1'-Biphenyl	13.550	154	60399	14.02	ng		96
50) Dimethylphthalate	14.161	163	10007	2.29	ng	#	95
52) Acenaphthene	14.784	154	208666	63.99	ng		95
55) Dibenzofuran	15.124	168	319865	59.25	ng		97
58) Fluorene	15.777	166	301194	67.94	ng		96
71) Phenanthrene	17.527	178	1107768	162.76	ng		98
72) Anthracene	17.616	178	139181	20.67	ng		97
73) Carbazole	17.886	167	91521	14.19	ng		97
75) Fluoranthene	19.543	202	617448	71.74	ng		99
78) Pyrene	19.901	202	401523	42.44	ng		99
81) Benzo(a)anthracene	21.758	228	106400	11.39	ng		94
83) Chrysene	21.822	228	76254m	8.57	ng		
88) Benzo(b)fluoranthene	24.037	252	48172	5.18	ng	#	98
89) Benzo(k)fluoranthene	24.102	252	18145	2.08	ng	#	96
90) Benzo(a)pyrene	24.948	252	30987	3.62	ng		96

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

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Misc :
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QLast Update : Tue Apr 20 17:33:30 2021
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Instrument :
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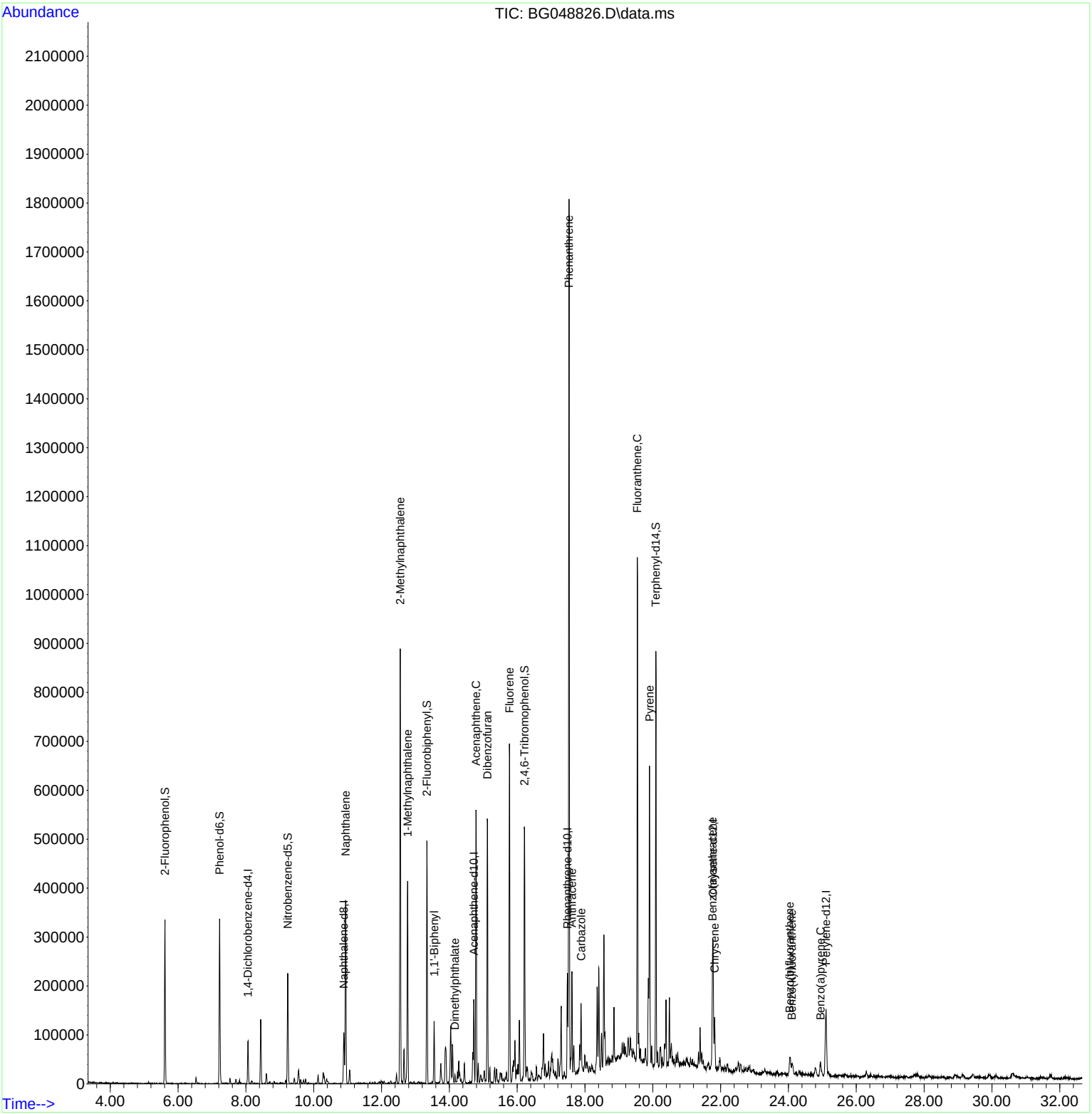
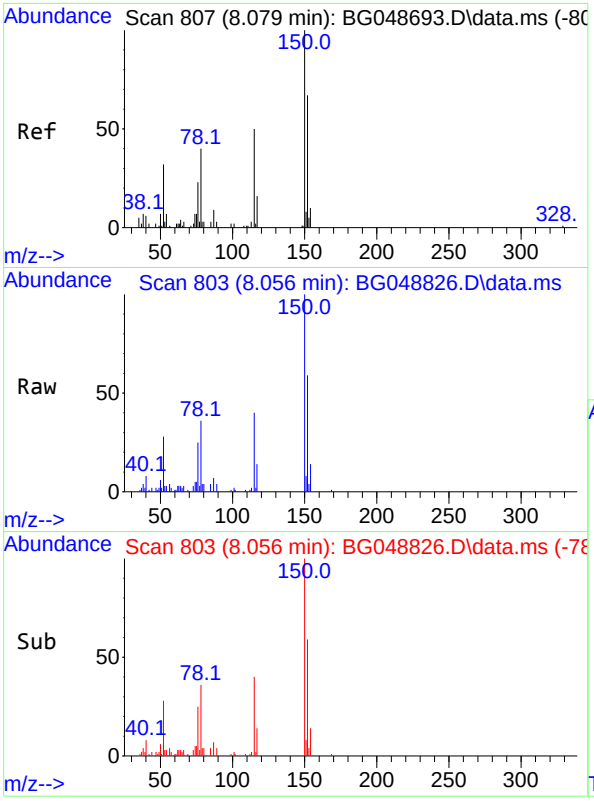
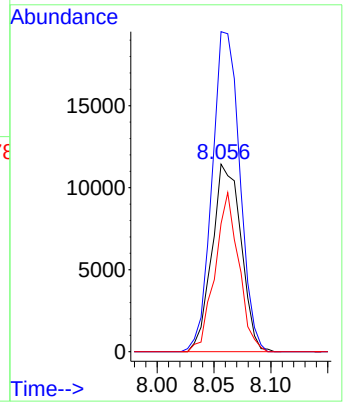




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.056 min Scan# 803
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:152 Resp: 20265

Ion	Ratio	Lower	Upper
152	100		
150	170.7	119.4	179.0
115	68.3	60.2	90.4



Instrument :
BNA_G
ClientSampleId :
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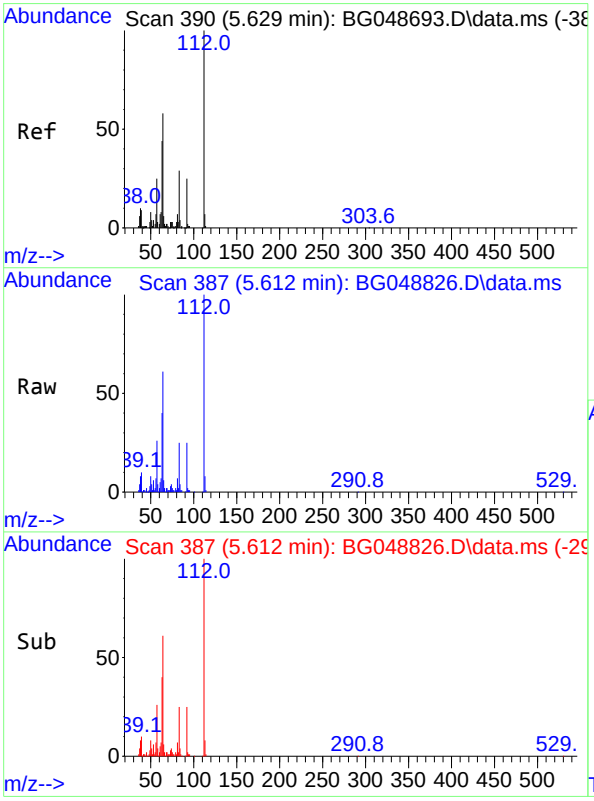
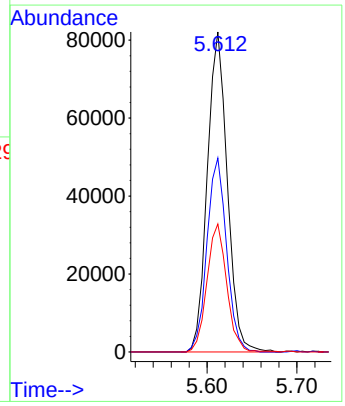
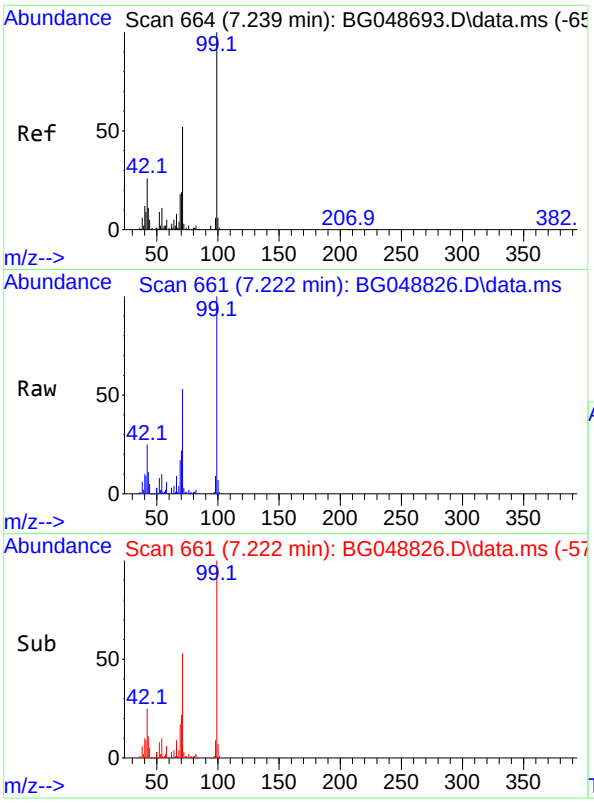


#5
2-Fluorophenol
Concen: 104.68 ng
RT: 5.612 min Scan# 387
Delta R.T. 0.007 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:112 Resp: 126830

Ion	Ratio	Lower	Upper
112	100		
64	60.6	46.7	70.1
63	40.0	35.3	52.9

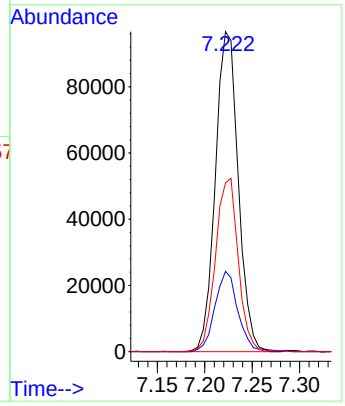




#7
Phenol-d6
Concen: 94.93 ng
RT: 7.222 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion: 99 Resp: 162689

Ion	Ratio	Lower	Upper
99	100		
42	25.1	20.5	30.7
71	52.7	41.5	62.3



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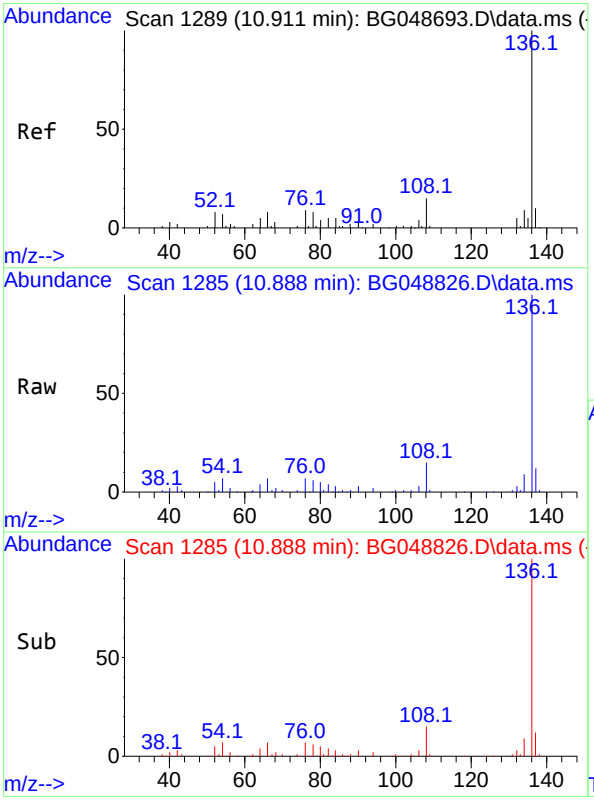
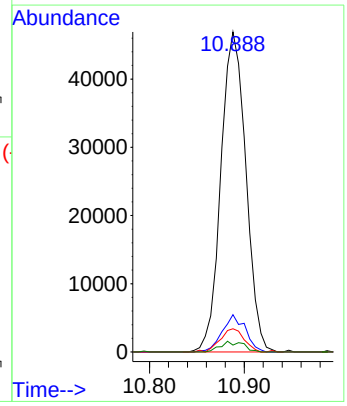
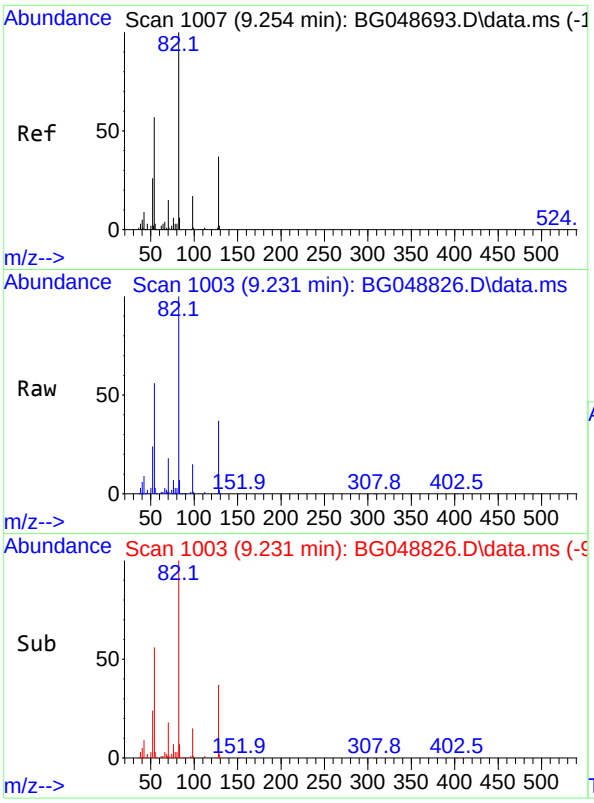


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.888 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:136 Resp: 85906

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.2
54	7.2	5.5	8.3
68	2.2	2.3	3.5#

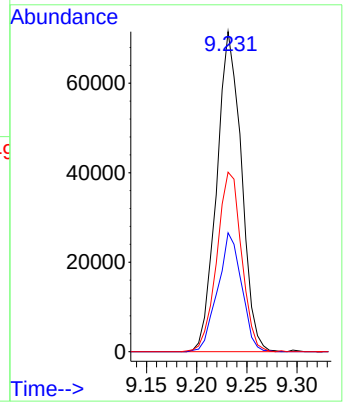




#23
Nitrobenzene-d5
Concen: 63.75 ng
RT: 9.231 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion: 82 Resp: 122331

Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.8	44.6
54	56.1	45.8	68.8



Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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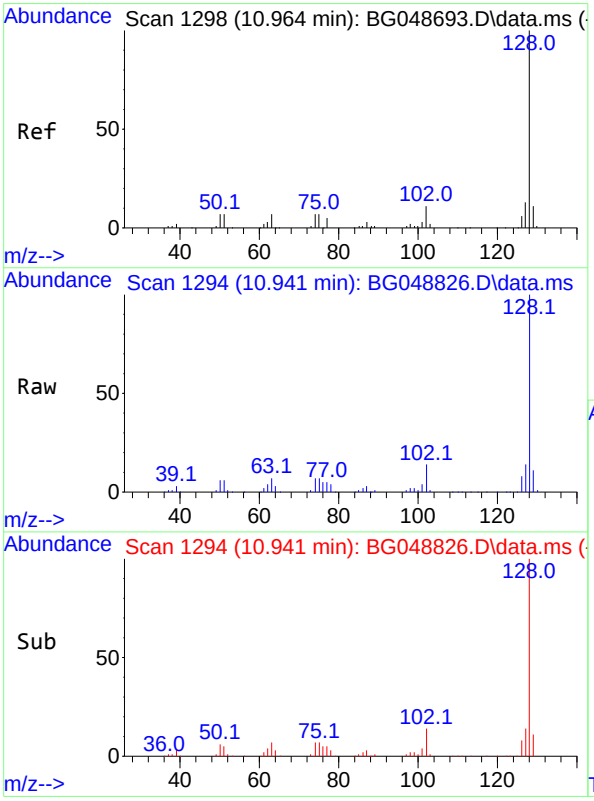
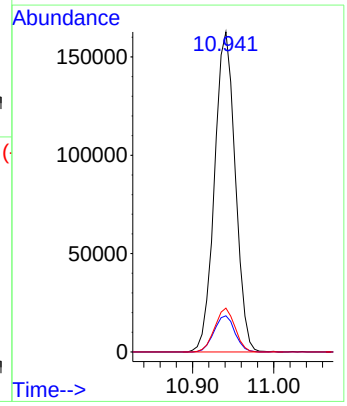
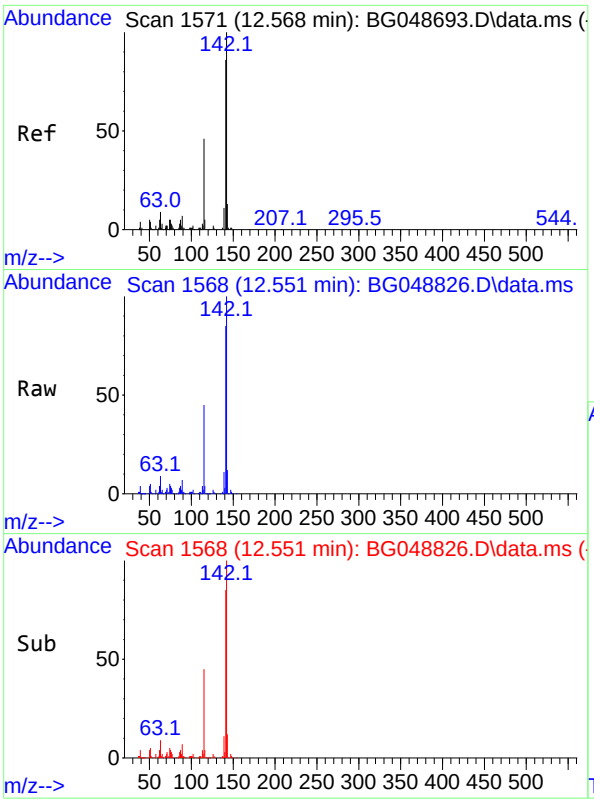


#31
Naphthalene
Concen: 65.39 ng
RT: 10.941 min Scan# 1294
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:128 Resp: 288234

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.5	12.7
127	13.7	10.2	15.4

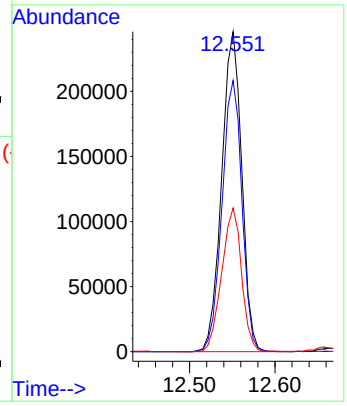


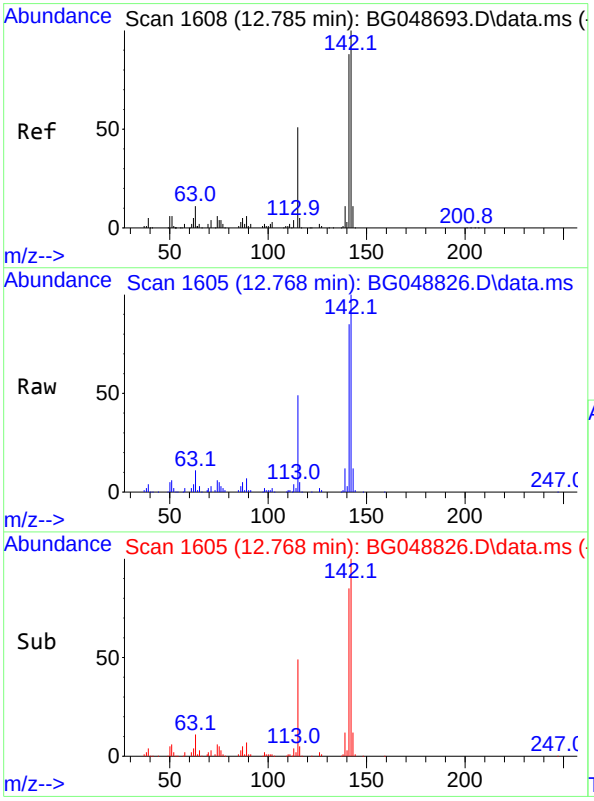


#37
2-Methylnaphthalene
Concen: 114.12 ng
RT: 12.551 min Scan# 1568
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:142 Resp: 401980

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.8	103.2
115	44.9	36.4	54.6

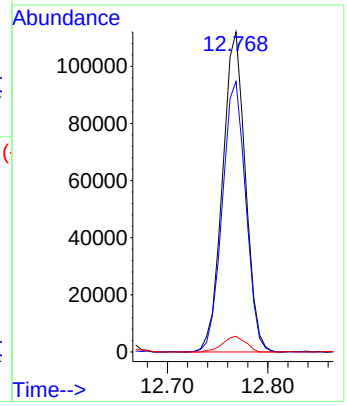




#38
1-Methylnaphthalene
Concen: 53.99 ng
RT: 12.768 min Scan# 1605
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:142 Resp: 176942

Ion	Ratio	Lower	Upper
142	100		
141	84.6	70.6	106.0
116	4.9	4.0	6.0



Instrument :
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ClientSampleId :
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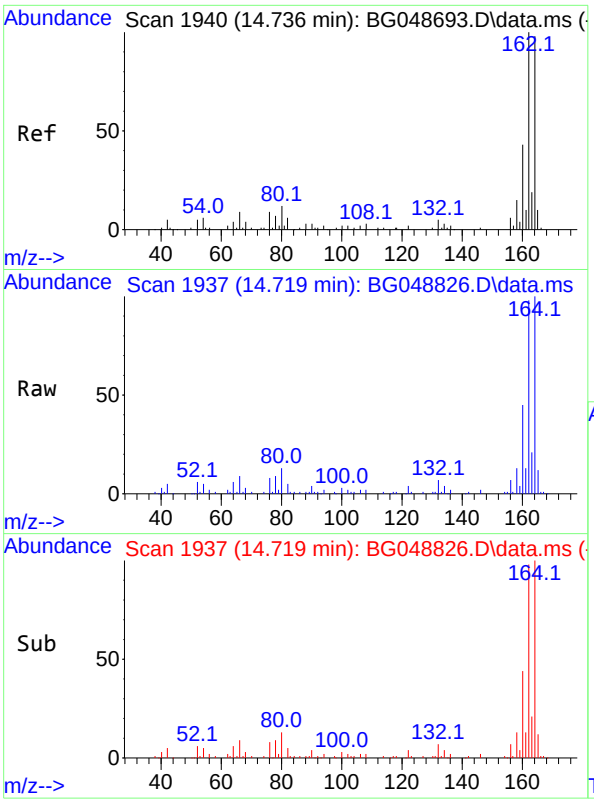
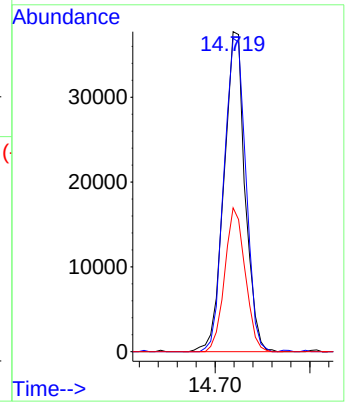
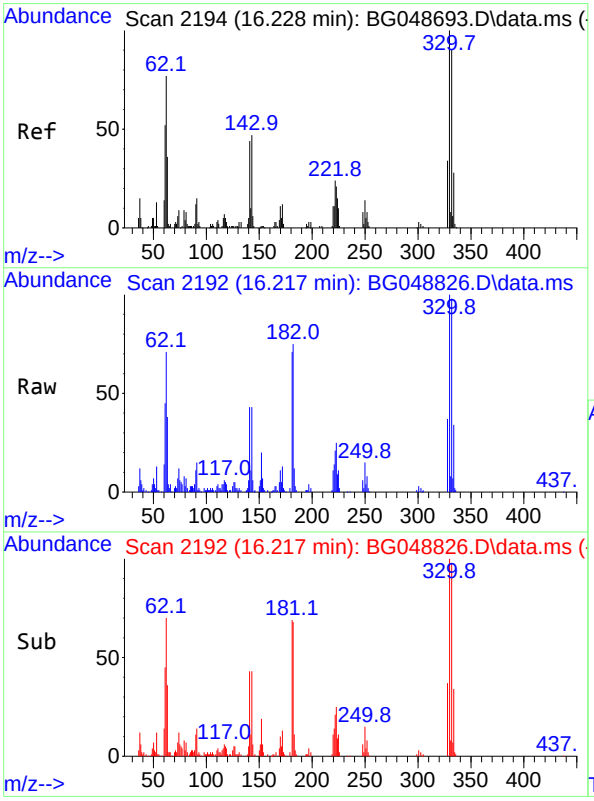


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.719 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:164 Resp: 58337

Ion	Ratio	Lower	Upper
164	100		
162	97.9	81.4	122.0
160	45.0	34.9	52.3

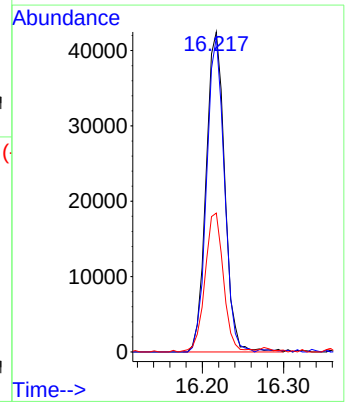




#42
2,4,6-Tribromophenol
Concen: 86.03 ng
RT: 16.217 min Scan# 2192
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:330 Resp: 67292

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.3	115.9
141	43.4	35.6	53.4



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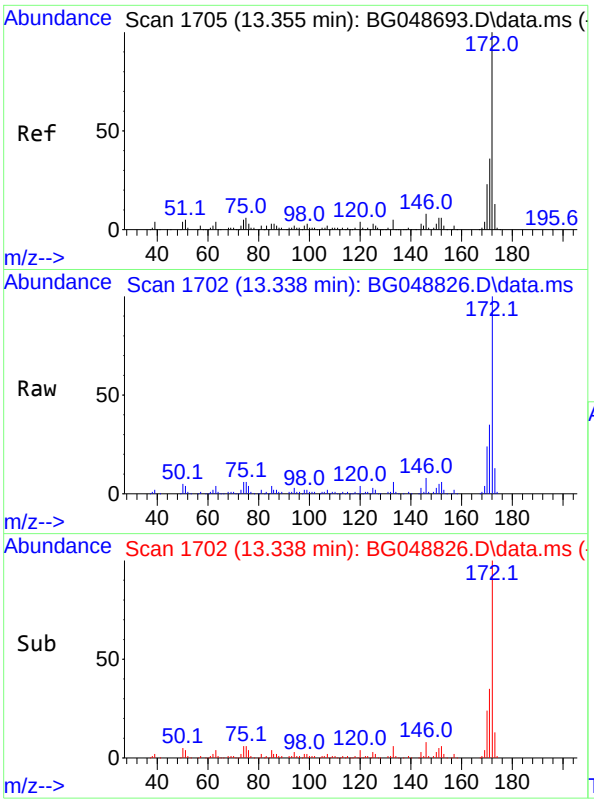
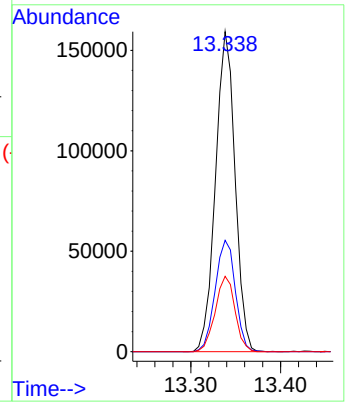
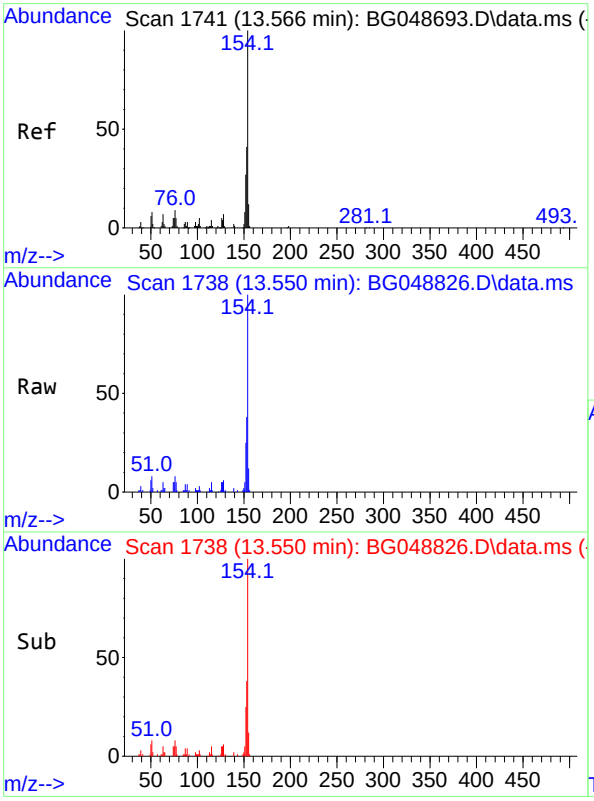


#45
2-Fluorobiphenyl
Concen: 59.51 ng
RT: 13.338 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:172 Resp: 240415

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.5	18.6	27.8

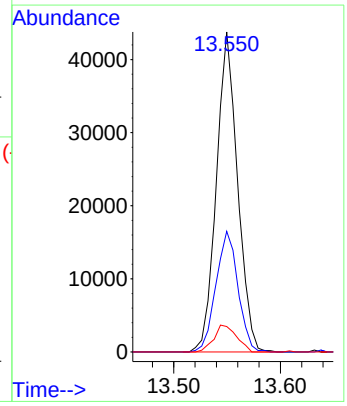




#46
1,1'-Biphenyl
Concen: 14.02 ng
RT: 13.550 min Scan# 1738
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:154 Resp: 60399

Ion	Ratio	Lower	Upper
154	100		
153	37.7	20.5	60.5
76	7.9	0.0	29.3



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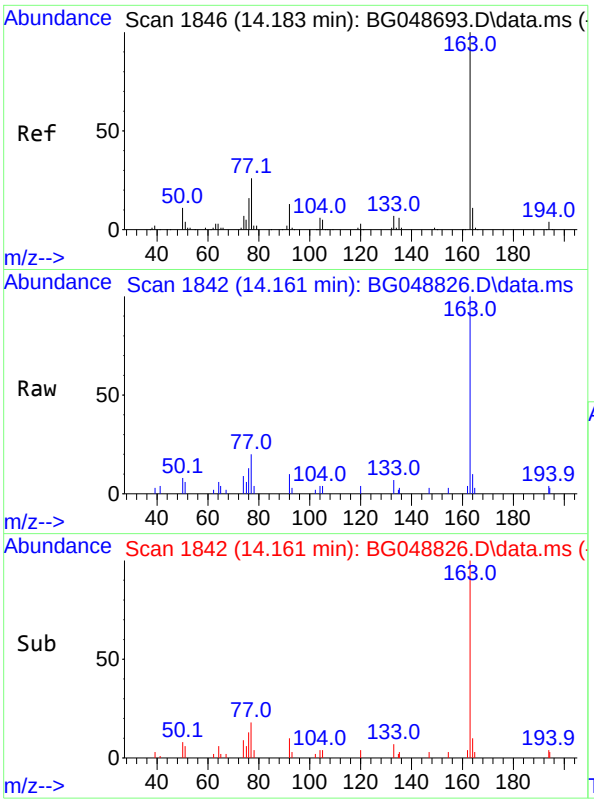
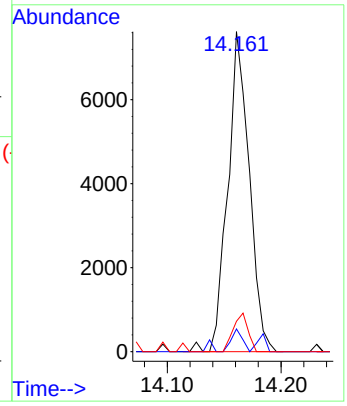


#50
Dimethylphthalate
Concen: 2.29 ng
RT: 14.161 min Scan# 1842
Delta R.T. -0.011 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:163 Resp: 10007

Ion	Ratio	Lower	Upper
163	100		
194	7.1	3.0	4.6#
164	9.5	8.6	12.8



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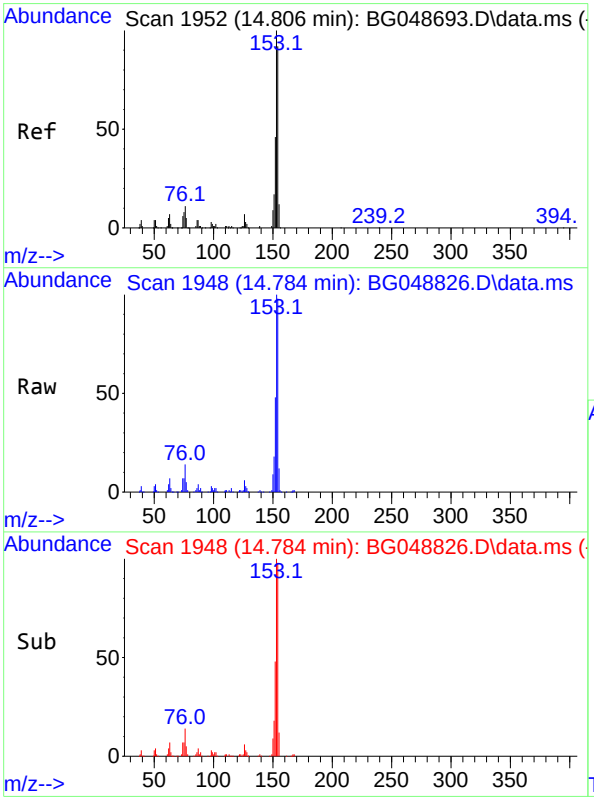
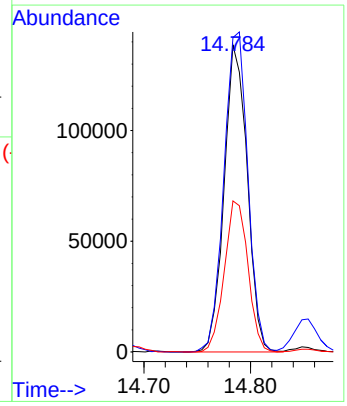
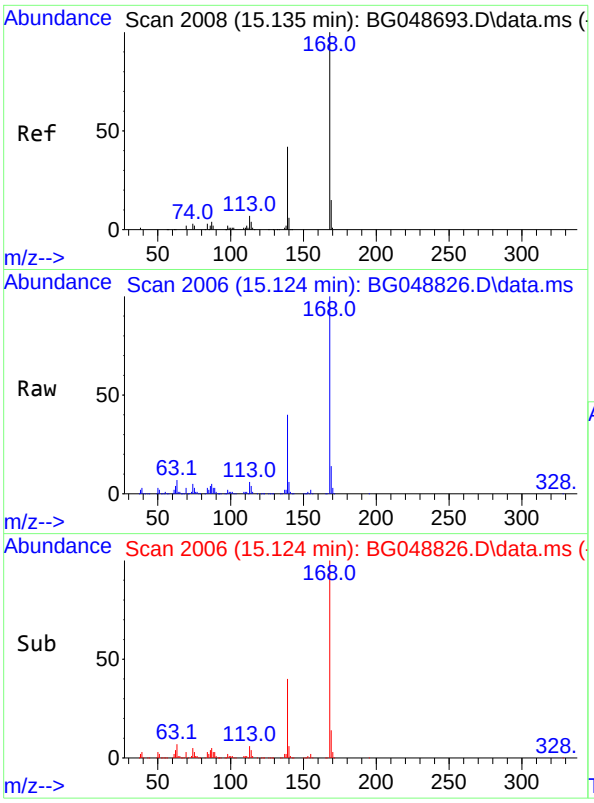


#52
Acenaphthene
Concen: 63.99 ng
RT: 14.784 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:154 Resp: 208666

Ion	Ratio	Lower	Upper
154	100		
153	102.4	87.0	130.4
152	49.2	40.1	60.1

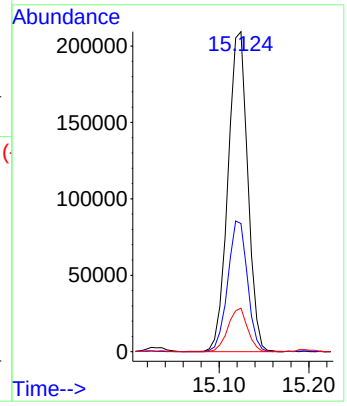




#55
Dibenzofuran
Concen: 59.25 ng
RT: 15.124 min Scan# 2006
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:168 Resp: 319865

Ion	Ratio	Lower	Upper
168	100		
139	40.0	33.4	50.2
169	13.6	12.3	18.5



Instrument :
BNA_G
ClientSampleId :
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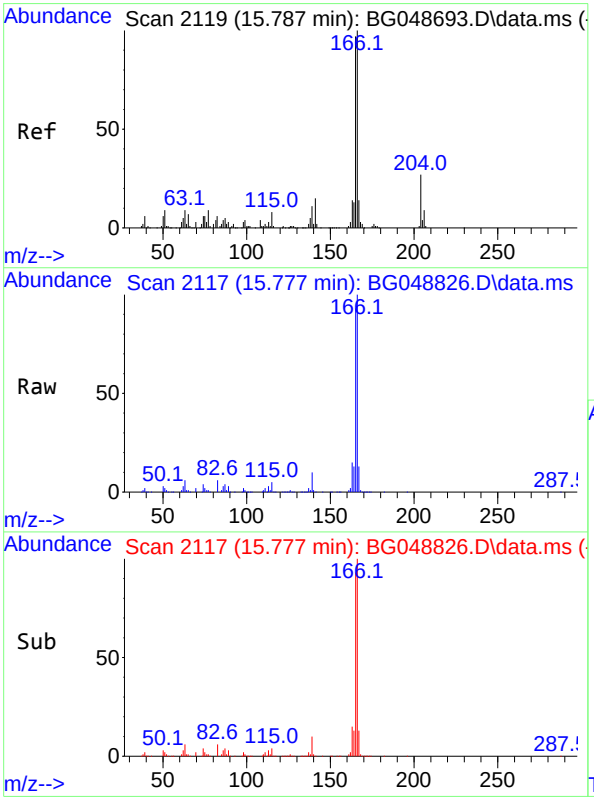
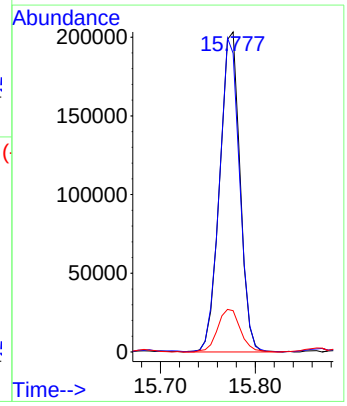
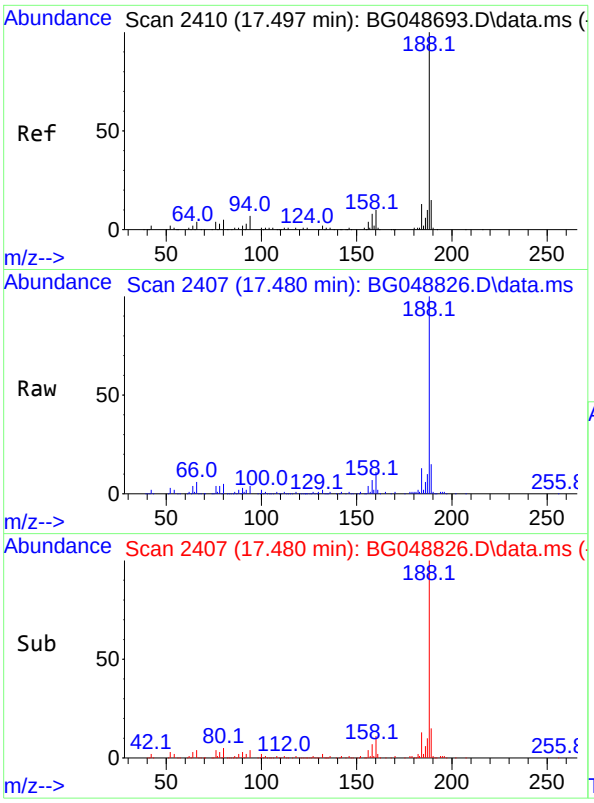


#58
Fluorene
Concen: 67.94 ng
RT: 15.777 min Scan# 2117
Delta R.T. 0.007 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:166 Resp: 301194

Ion	Ratio	Lower	Upper
166	100		
165	93.3	77.7	116.5
167	12.9	10.8	16.2

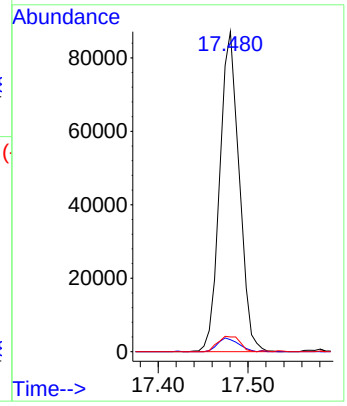




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.480 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:188 Resp: 131131

Ion	Ratio	Lower	Upper
188	100		
94	3.8	5.4	8.0#
80	4.6	3.7	5.5



Instrument :
BNA_G
ClientSampleId :
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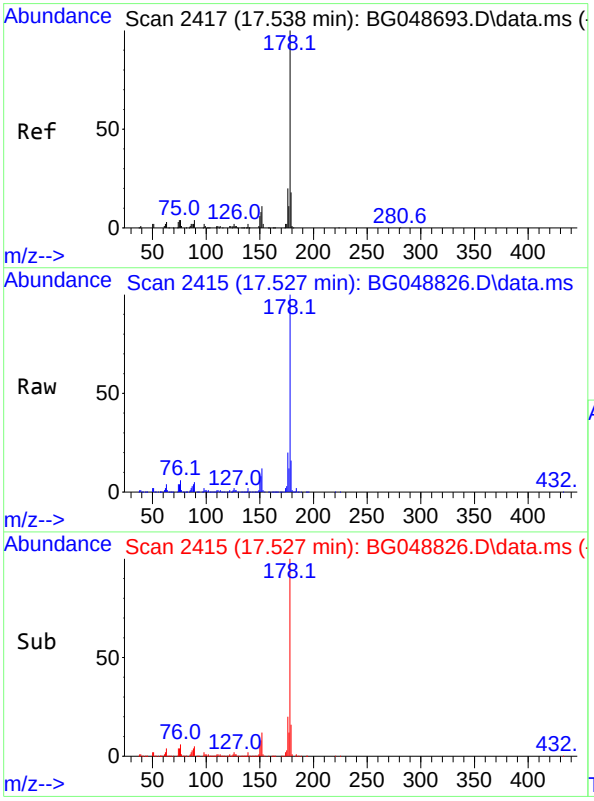
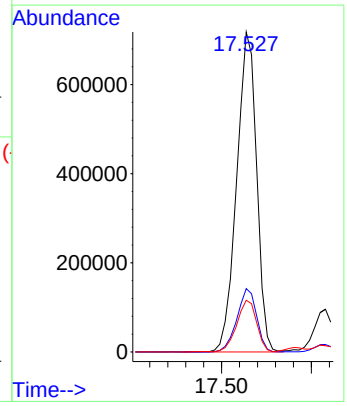
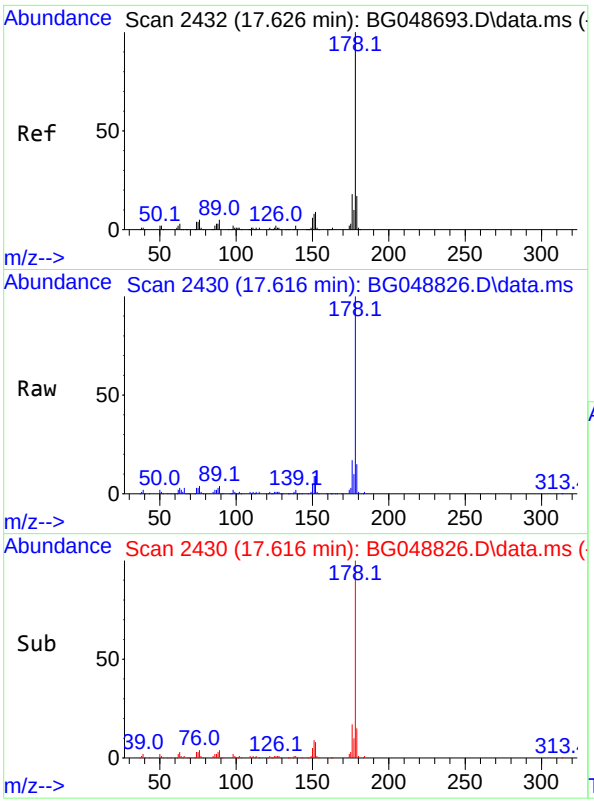


#71
Phenanthrene
Concen: 162.76 ng
RT: 17.527 min Scan# 2415
Delta R.T. 0.007 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:178 Resp: 1107768

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	16.2	14.2	21.4

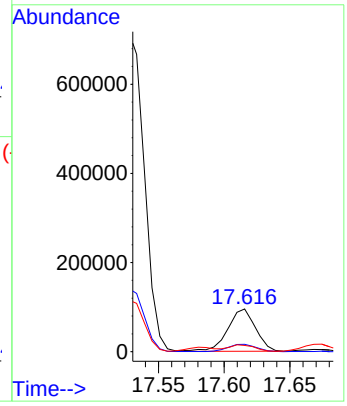




#72
Anthracene
Concen: 20.67 ng
RT: 17.616 min Scan# 2430
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:178 Resp: 139181

Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.6	21.8
179	14.6	13.4	20.0



Instrument :
BNA_G
ClientSampleId :
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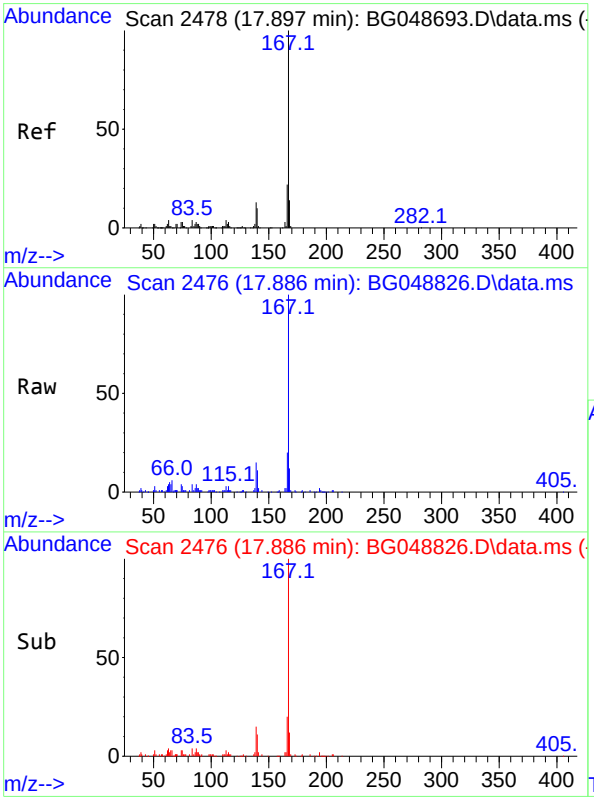
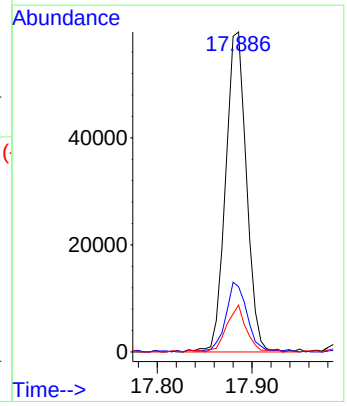
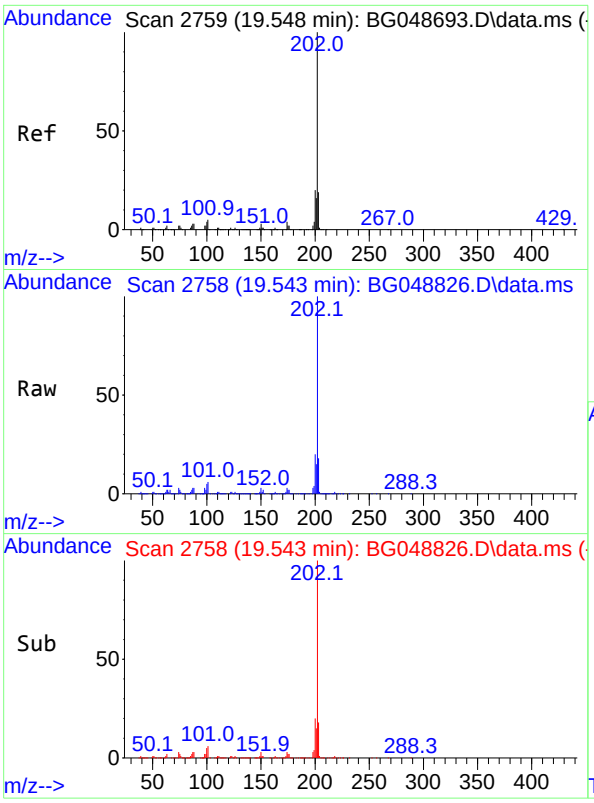


#73
Carbazole
Concen: 14.19 ng
RT: 17.886 min Scan# 2476
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:167 Resp: 91521

Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.4	26.2
139	14.6	10.7	16.1

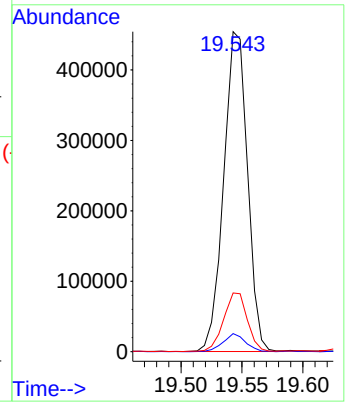


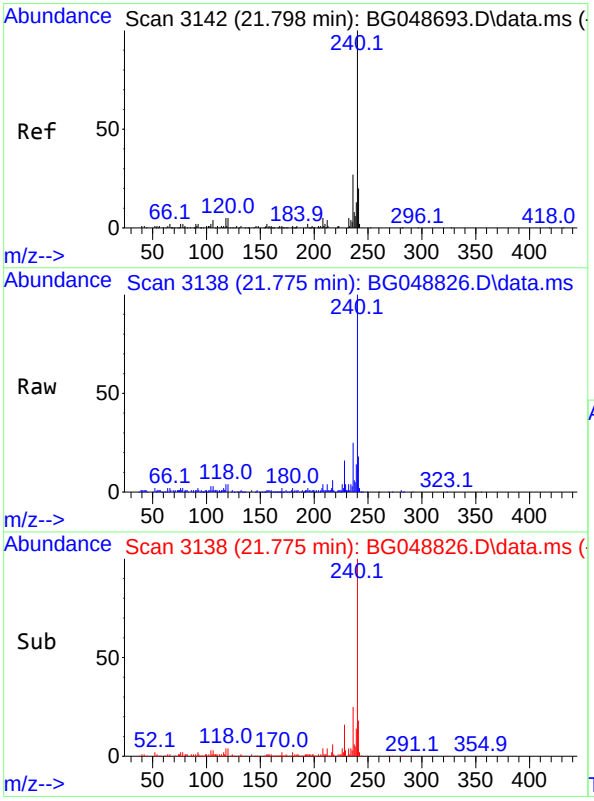


#75
Fluoranthene
Concen: 71.74 ng
RT: 19.543 min Scan# 2758
Delta R.T. 0.007 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:202 Resp: 617448

Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	24.7
203	18.4	0.0	38.5

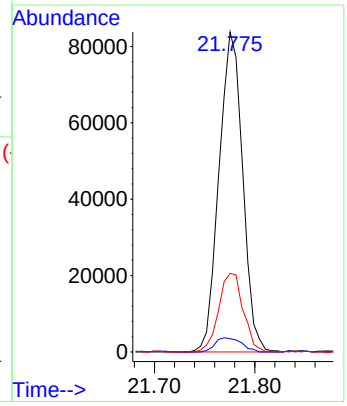




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.775 min Scan# 3138
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:240 Resp: 136733

Ion	Ratio	Lower	Upper
240	100		
120	4.2	4.2	6.2
236	24.5	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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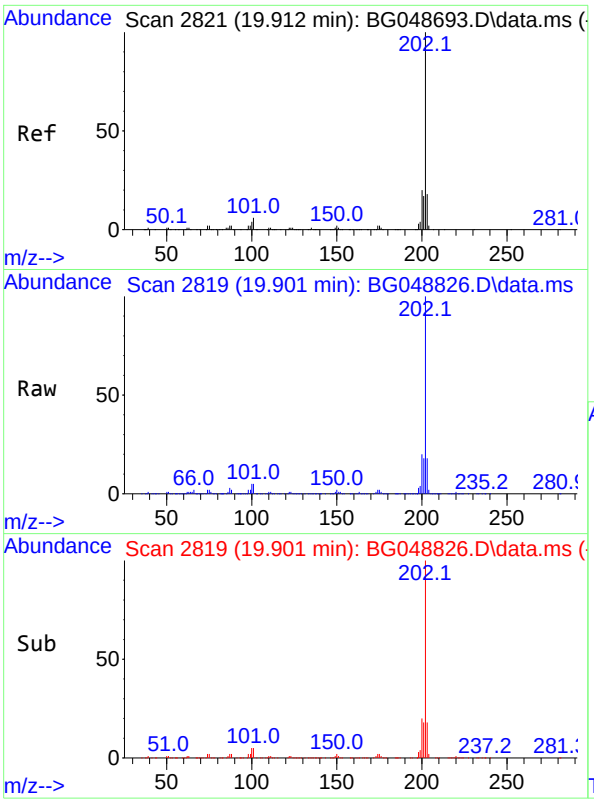
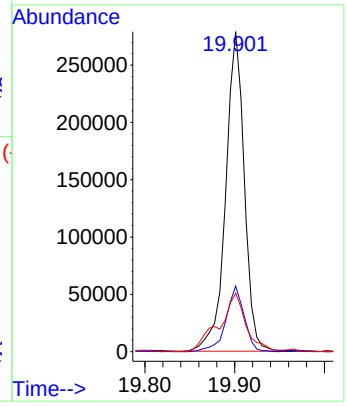
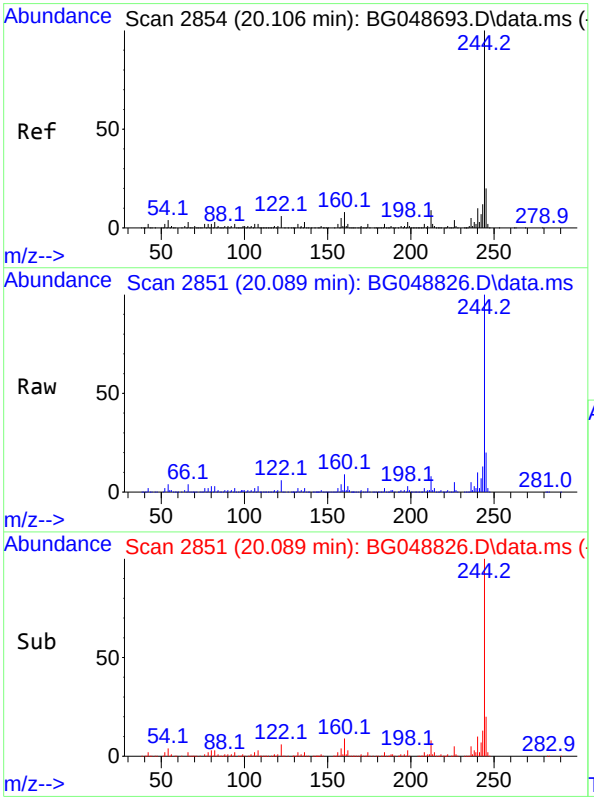


#78
Pyrene
Concen: 42.44 ng
RT: 19.901 min Scan# 2819
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:202 Resp: 401523

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.8	23.8
203	18.3	14.6	21.8

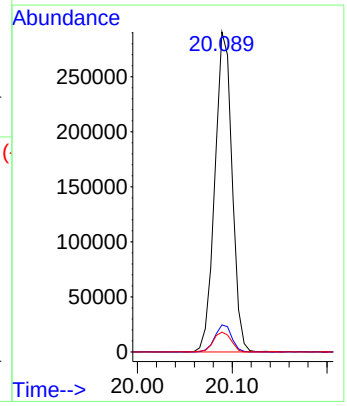




#79
Terphenyl-d14
Concen: 46.04 ng
RT: 20.089 min Scan# 2851
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:244 Resp: 365729

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.9	10.3
122	6.2	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
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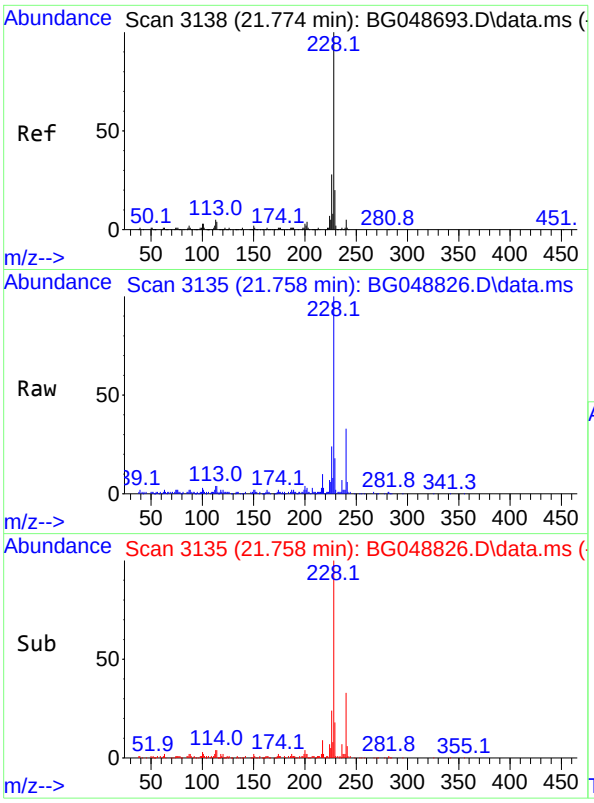
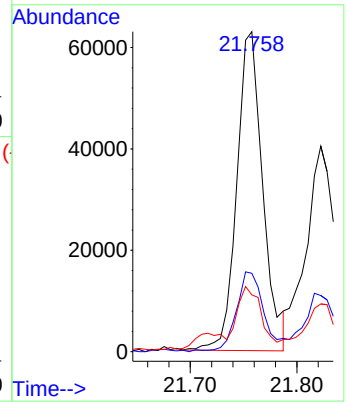
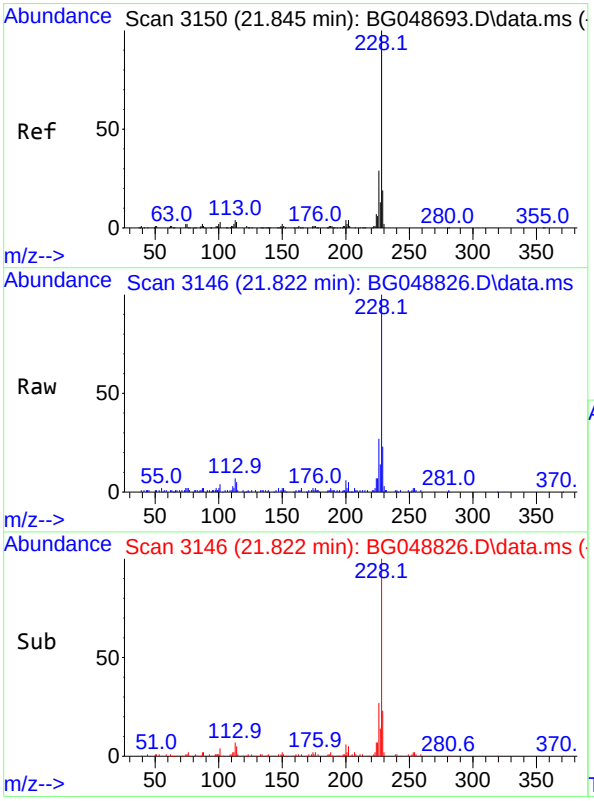


#81
Benzo(a)anthracene
Concen: 11.39 ng
RT: 21.758 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:228 Resp: 106400

Ion	Ratio	Lower	Upper
228	100		
226	24.5	22.7	34.1
229	17.7	16.0	24.0

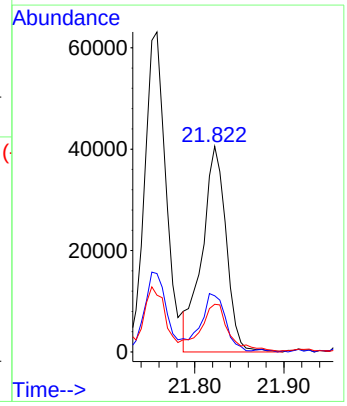




#83
Chrysene
Concen: 8.57 ng m
RT: 21.822 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:228 Resp: 76254

Ion	Ratio	Lower	Upper
228	100		
226	27.4	23.1	34.7
229	23.2	15.3	22.9#



Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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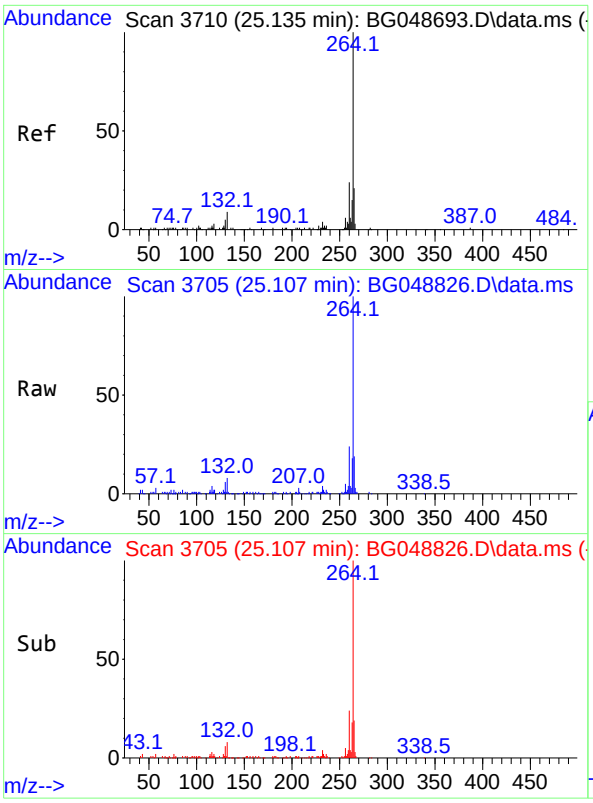
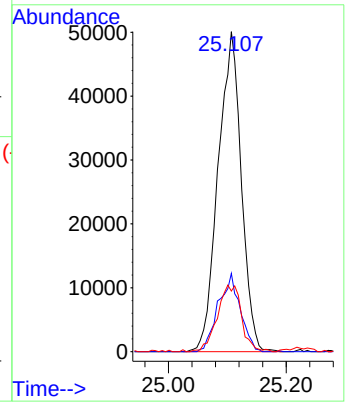


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.107 min Scan# 3705
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:264 Resp: 136950

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	19.0	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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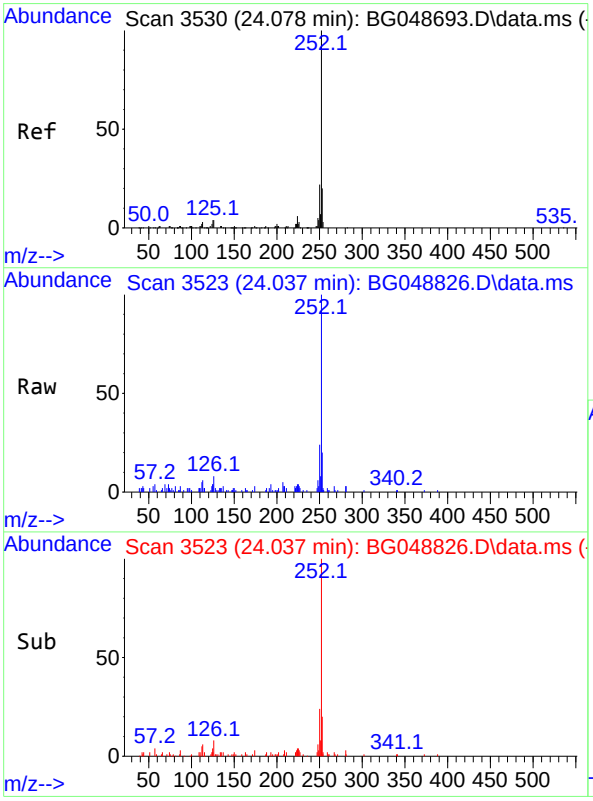
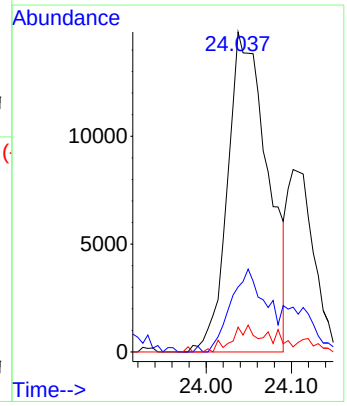
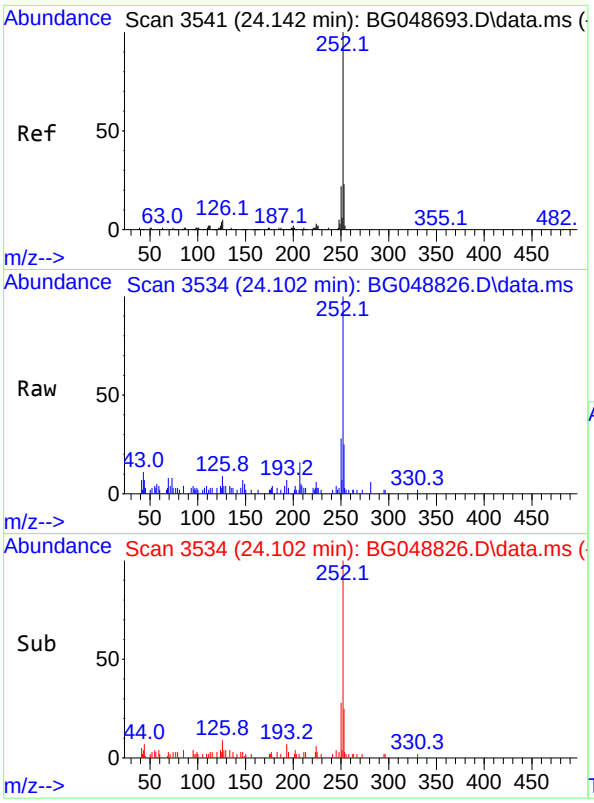


#88
Benzo(b)fluoranthene
Concen: 5.18 ng
RT: 24.037 min Scan# 3523
Delta R.T. -0.011 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:252 Resp: 48172

Ion	Ratio	Lower	Upper
252	100		
253	20.3	16.2	24.4
125	7.7	3.0	4.4#

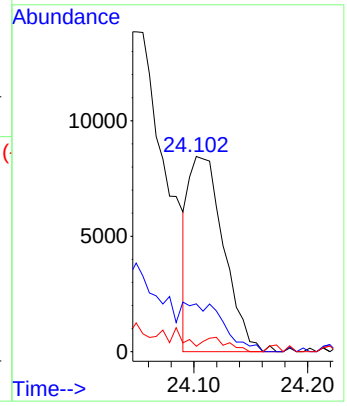




#89
Benzo(k)fluoranthene
Concen: 2.08 ng
RT: 24.102 min Scan# 3534
Delta R.T. -0.017 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:252 Resp: 18145

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	2.8	3.1	4.7#



Instrument :
BNA_G
ClientSampleId :
SB-20-14.5-15.0

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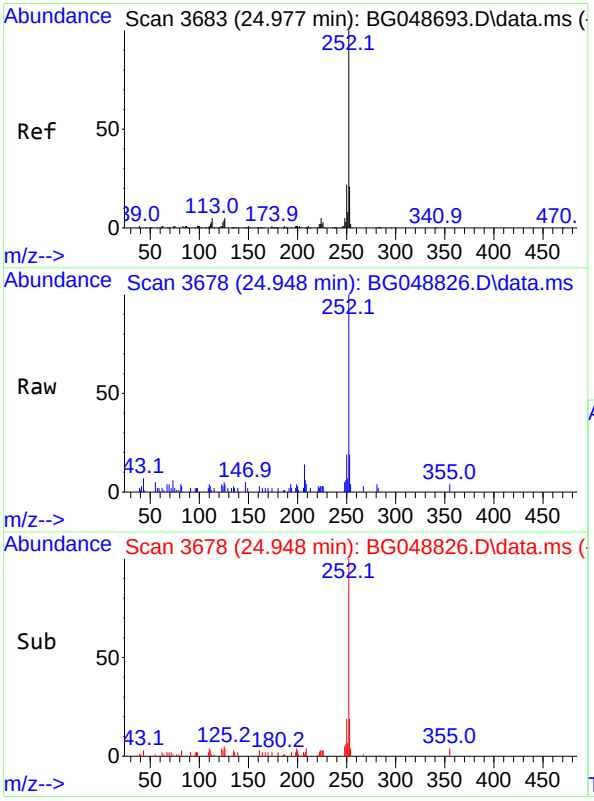
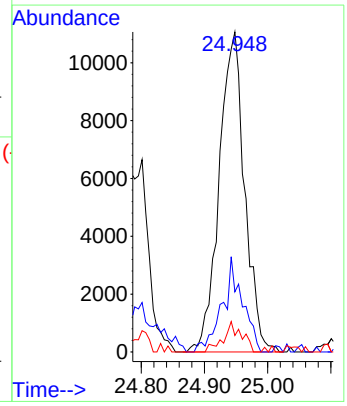


#90
Benzo(a)pyrene
Concen: 3.62 ng
RT: 24.948 min Scan# 3678
Delta R.T. -0.005 min
Lab File: BG048826.D
Acq: 21 Apr 2021 19:25

Tgt Ion:252 Resp: 30987

Ion	Ratio	Lower	Upper
252	100		
253	18.8	16.6	25.0
125	5.2	3.5	5.3