Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043477.D
Acq On : 1 Nov 2019 22:28
Operator : JU
Sample : K5147-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-01-103019

Manual Integrations APPROVED
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11/4/2019 11:49:59 AM

Quant Time: Nov 02 00:19:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	57827	20.00	ng		-0.01
21) Naphthalene-d8	10.82	136	212888	20.00	ng		0.00
39) Acenaphthene-d10	14.64	164	141959	20.00	ng		-0.01
64) Phenanthrene-d10	17.39	188	314479	20.00	ng		-0.02
76) Chrysene-d12	21.66	240	329134	20.00	ng		-0.01
87) Perylene-d12	24.85	264	405905	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	146727	46.50	ng		0.00
7) Phenol-d6	7.20	99	203763	44.88	ng		0.00
23) Nitrobenzene-d5	9.18	82	121385	29.40	ng		-0.01
42) 2,4,6-Tribromophenol	16.13	330	107017	39.61	ng		-0.01
45) 2-Fluorobiphenyl	13.27	172	310215	30.20	ng		-0.01
79) Terphenyl-d14	19.99	244	505325	28.80	ng		-0.02
Target Compounds							Qvalue
37) 2-Methylnaphthalene	12.48	142	26685	3.218	ng		99
38) 1-Methylnaphthalene	12.69	142	26356	3.341	ng	#	97
50) Dimethylphthalate	14.09	163	33169	3.017	ng		99
52) Acenaphthene	14.71	154	54654	7.008	ng		95
55) Dibenzofuran	15.04	168	55011	4.350	ng		96
58) Fluorene	15.69	166	68678	6.475	ng		98
71) Phenanthrene	17.43	178	529012	32.850	ng		99
72) Anthracene	17.52	178	119226	7.400	ng		99
73) Carbazole	17.79	167	70492	4.831	ng		99
75) Fluoranthene	19.44	202	763159	36.351	ng		100
78) Pyrene	19.80	202	648133	31.813	ng		99
81) Benzo(a)anthracene	21.63	228	355662	17.251	ng		97
83) Chrysene	21.70	228	326842	15.956	ng		95
86) Indeno(1,2,3-cd)pyrene	28.49	276	205148	7.978	ng	#	95
88) Benzo(b)fluoranthene	23.84	252	439382	19.113	ng		94
89) Benzo(k)fluoranthene	23.90	252	133508m	5.769	ng		
90) Benzo(a)pyrene	24.71	252	321659	14.652	ng		96
91) Dibenzo(a,h)anthracene	28.54	278	51864	2.310	ng	#	79
92) Benzo(g,h,i)perylene	29.64	276	205033	9.257	ng		97

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

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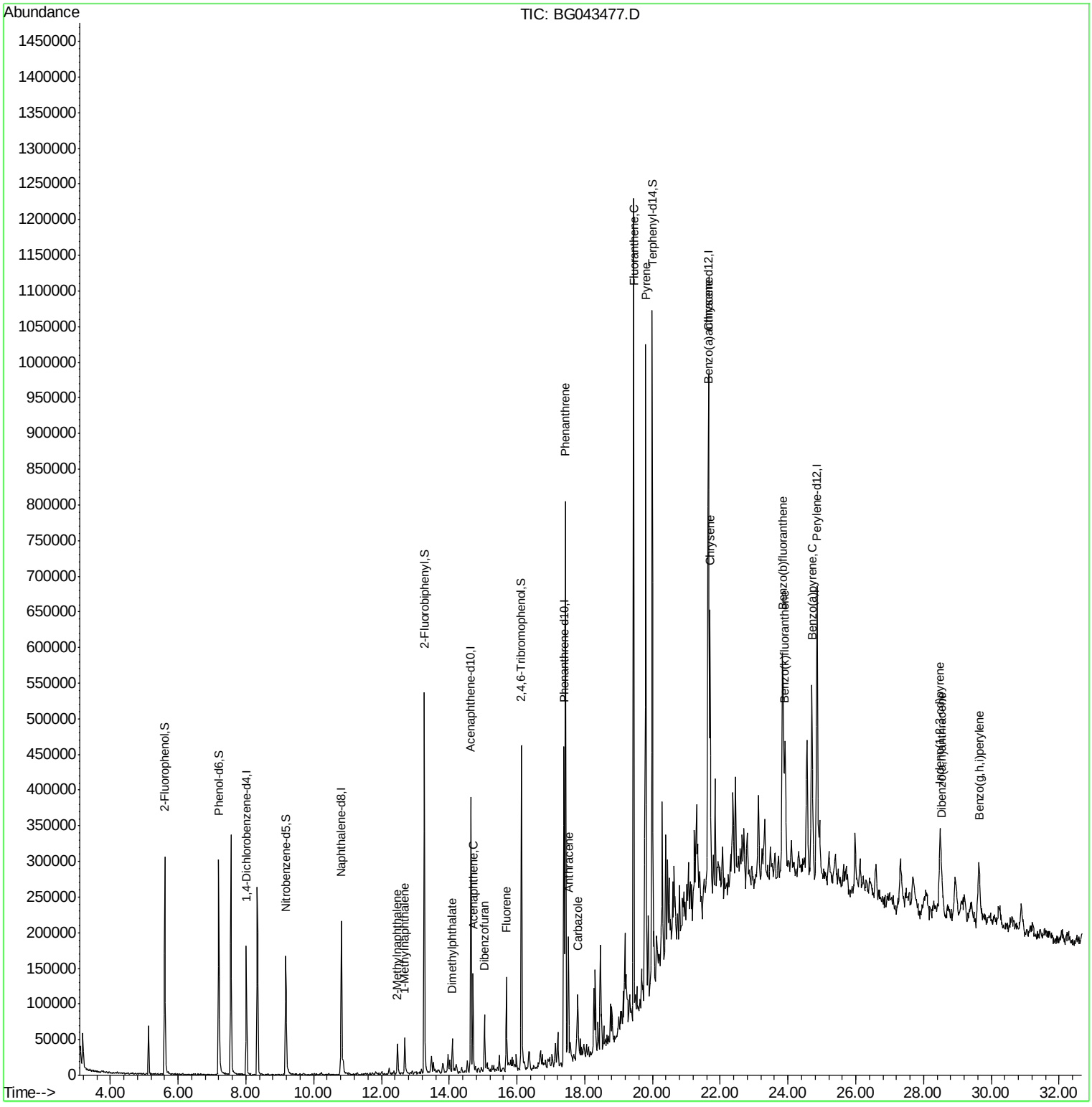
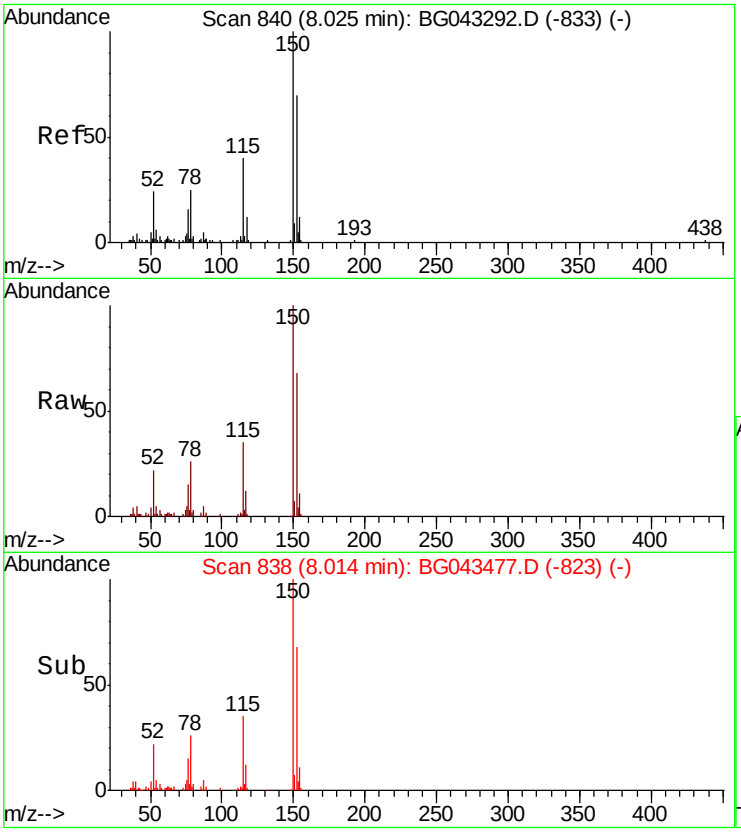
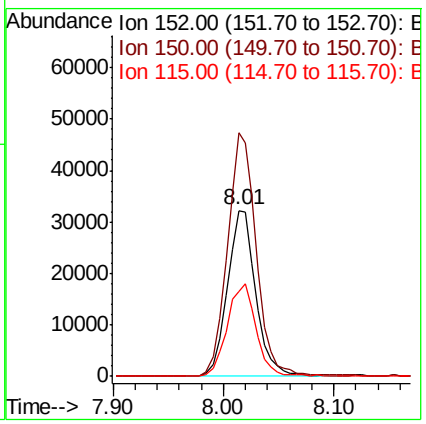




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:152 Resp: 57827

Ion	Ratio	Lower	Upper
152	100		
150	147.0	113.6	170.4
115	51.7	45.9	68.9



Instrument :
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ClientSampleId :
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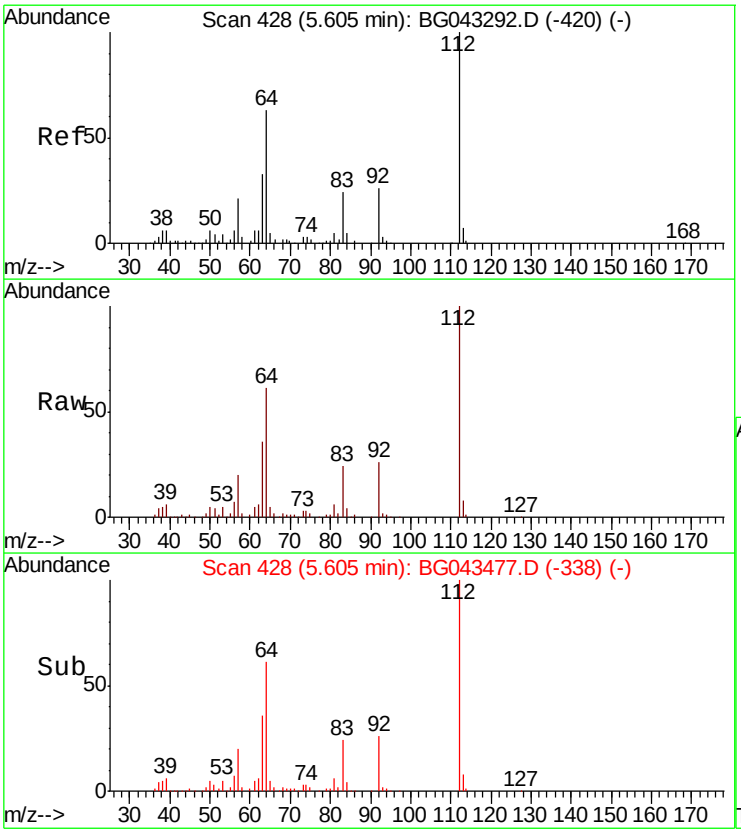
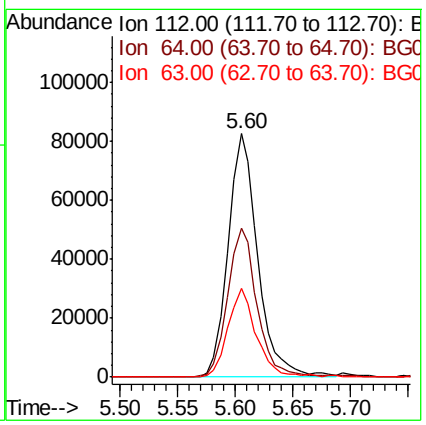
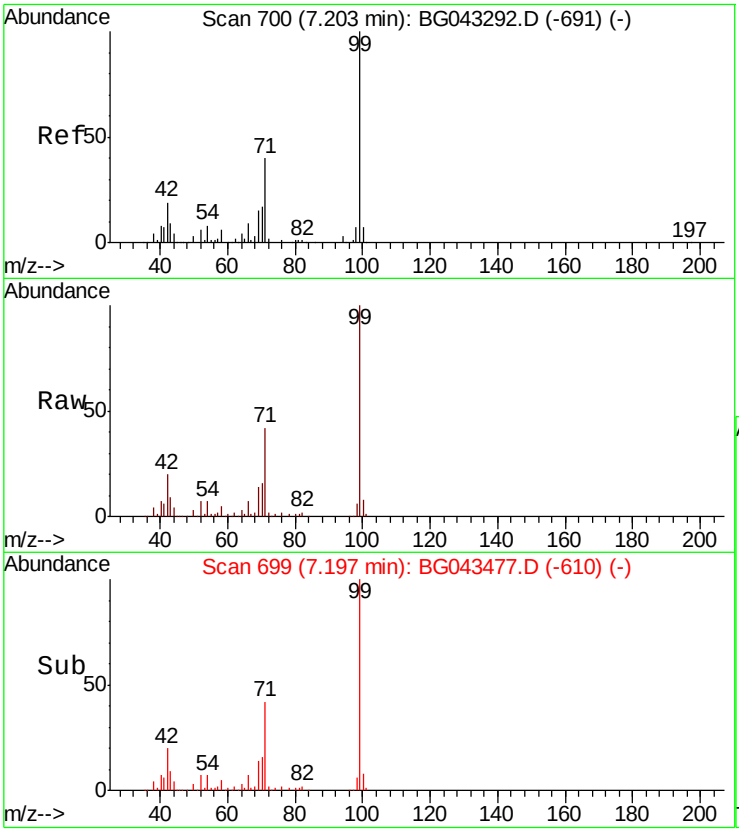


#5
2-Fluorophenol
Concen: 46.495 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:112 Resp: 146727

Ion	Ratio	Lower	Upper
112	100		
64	60.9	50.2	75.2
63	36.4	26.7	40.1

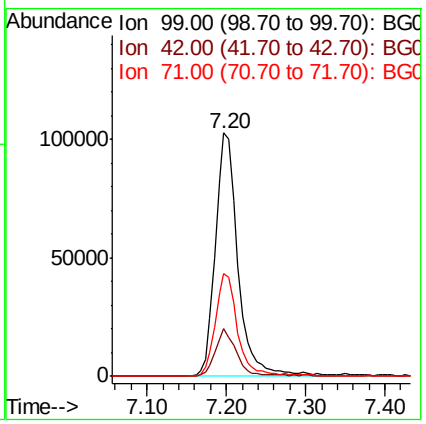




#7
Phenol-d6
Concen: 44.878 ng
RT: 7.20 min Scan# 699
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion: 99 Resp: 203763

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.9	22.3
71	42.2	32.2	48.2



Instrument :
BNA_G
ClientSampleId :
OK-01-103019

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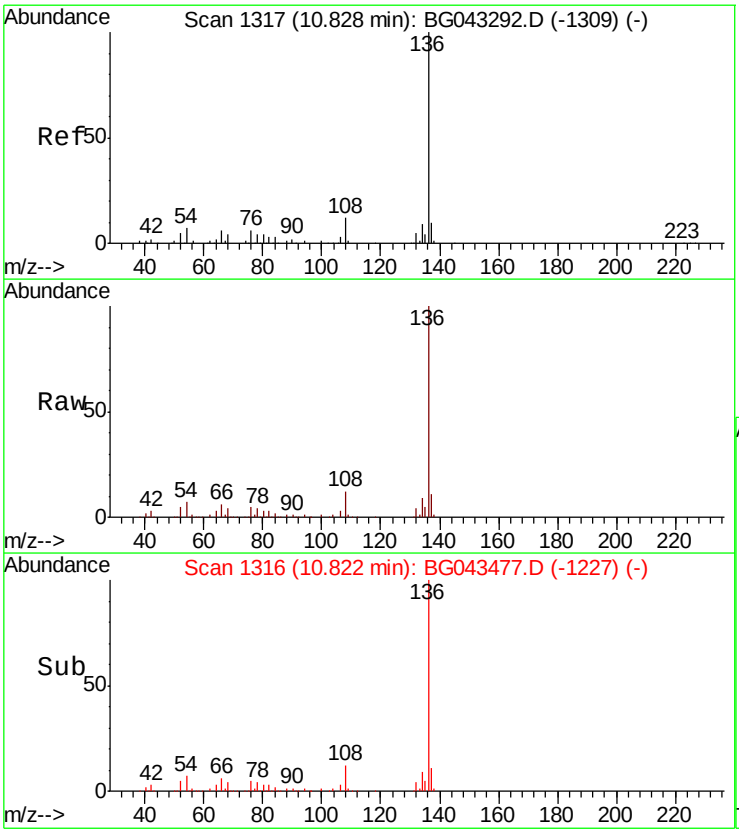
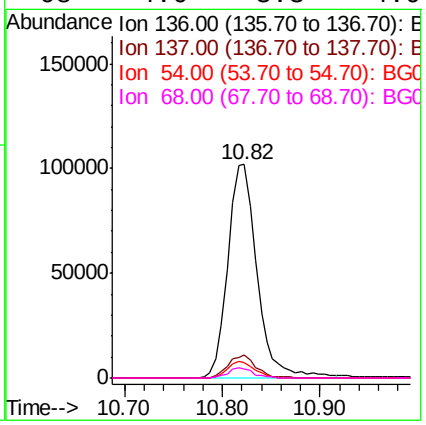
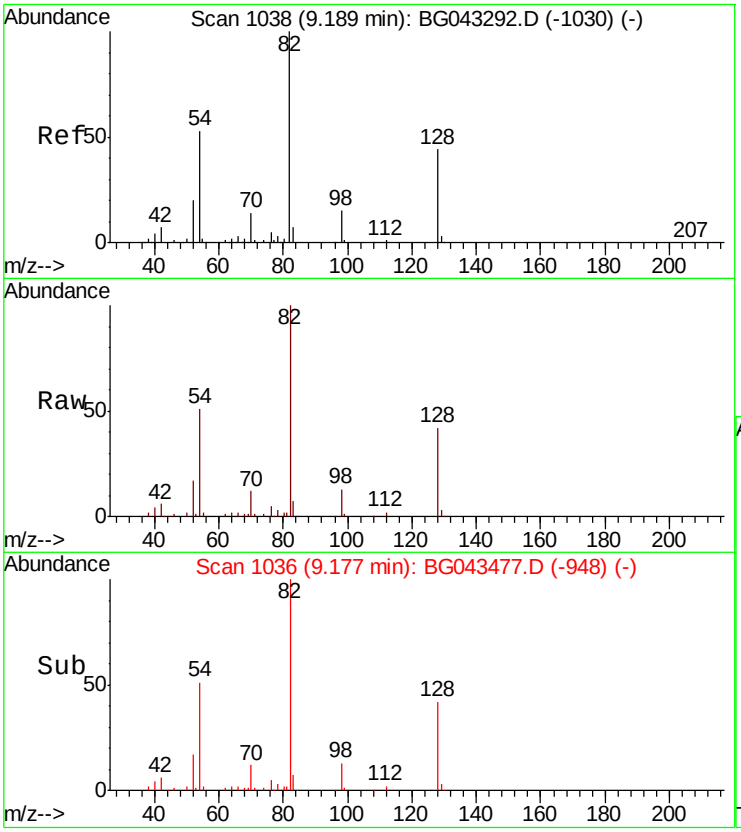


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:136 Resp: 212888

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.2
54	7.1	5.4	8.2
68	4.0	3.3	4.9

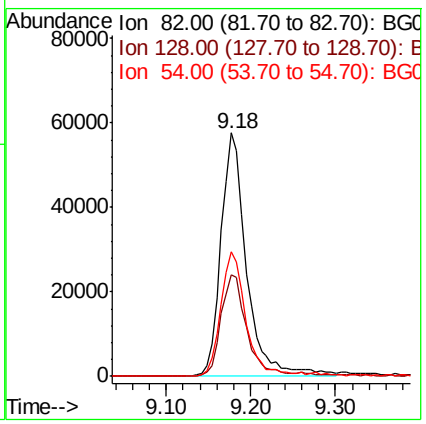




#23
Nitrobenzene-d5
Concen: 29.395 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion: 82 Resp: 121385

Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.3	52.9
54	51.0	42.3	63.5



Instrument :
BNA_G
ClientSampleId :
OK-01-103019

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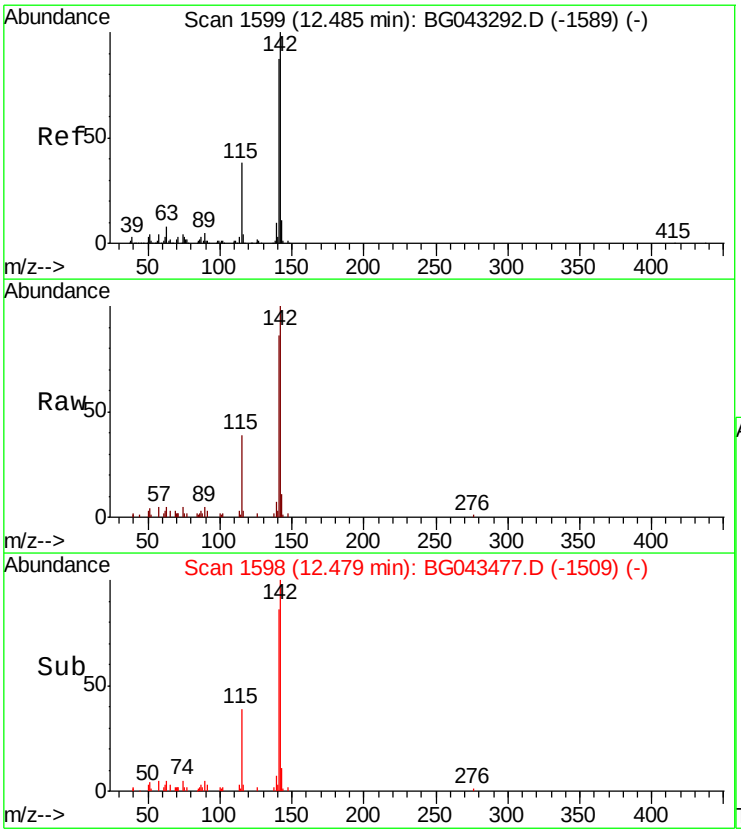
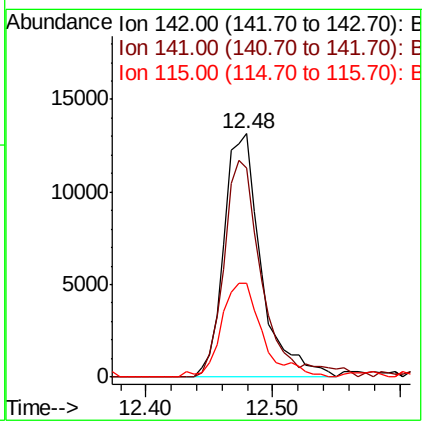
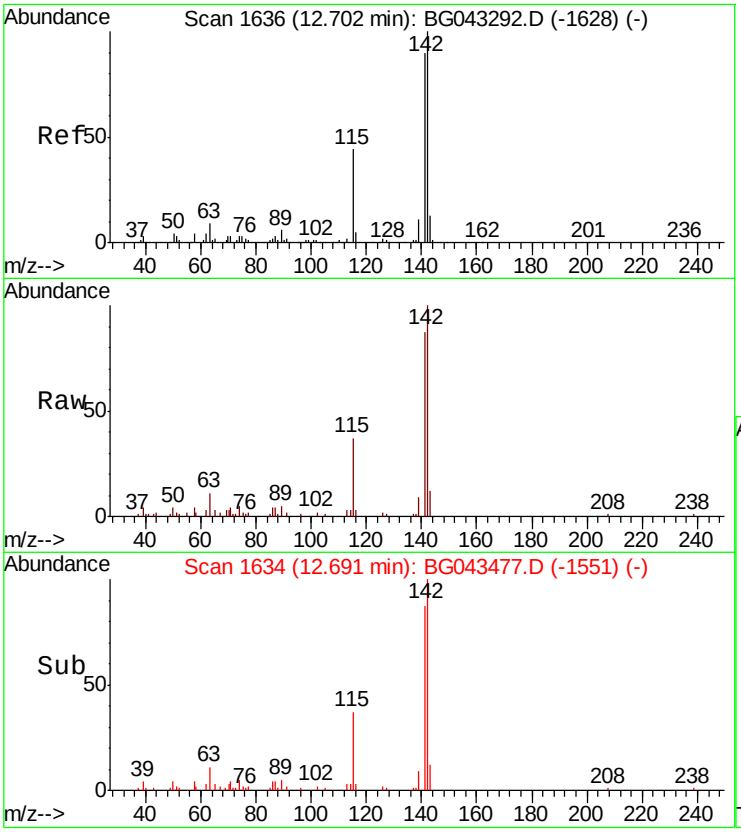


#37
2-Methylnaphthalene
Concen: 3.218 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:142 Resp: 26685

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.7	104.5
115	38.6	30.6	46.0





#38
1-Methylnaphthalene
Concen: 3.341 ng
RT: 12.69 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:142 Resp: 26356

Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.3	108.5
116	3.3	3.8	5.6#

Instrument :
BNA_G
ClientSampleId :
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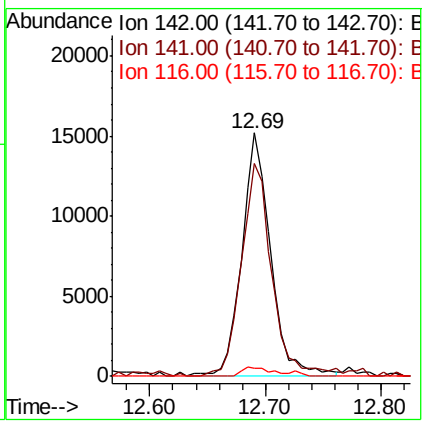
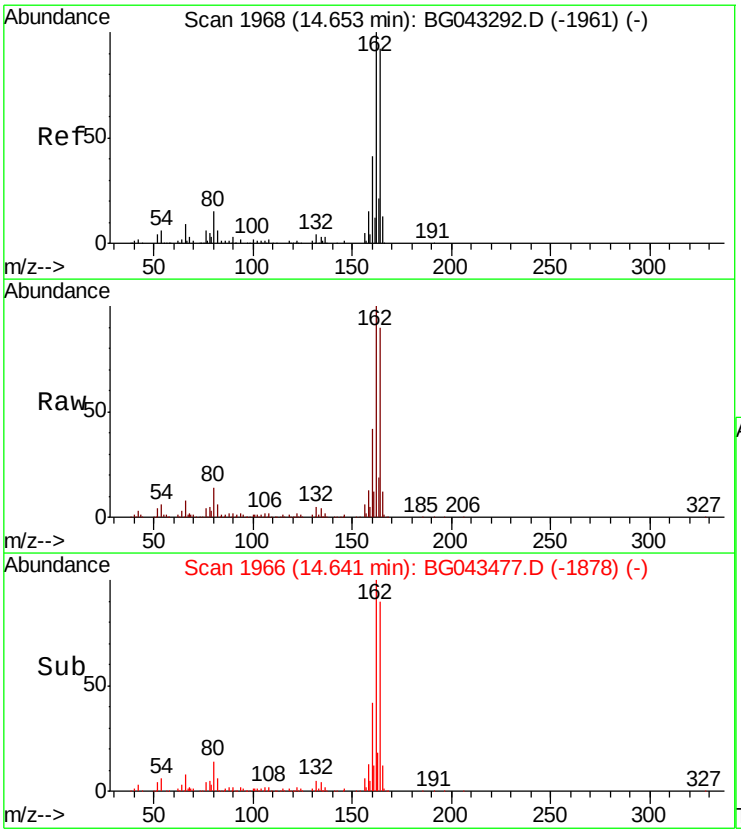
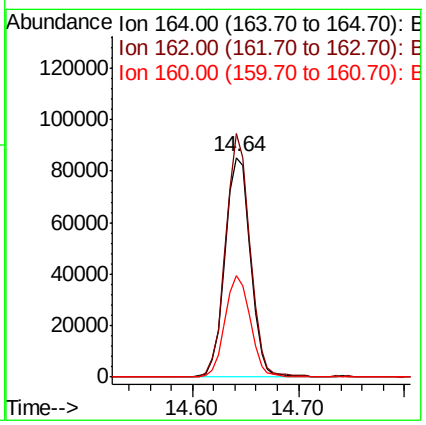


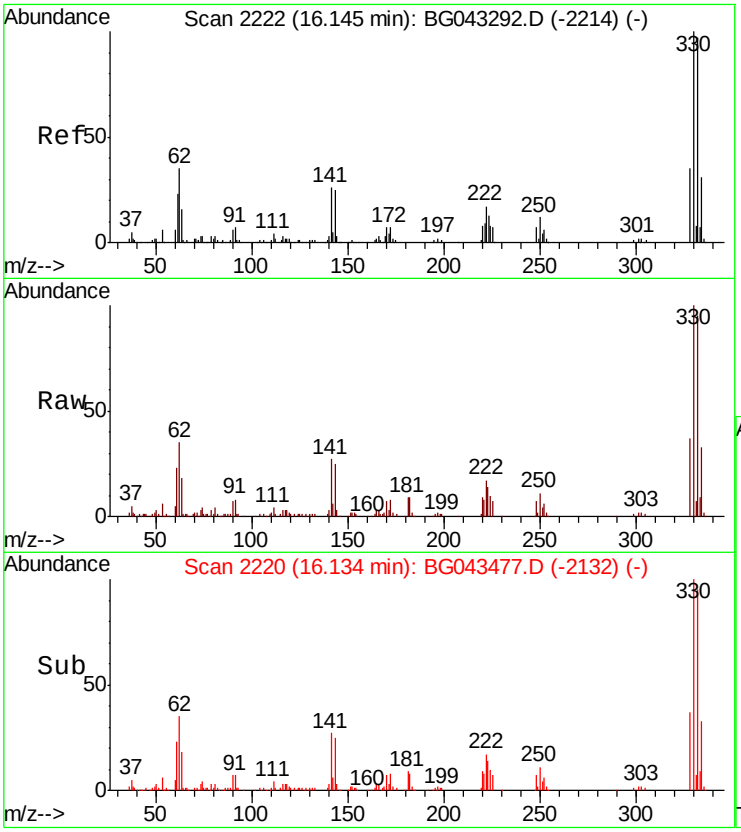


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:164 Resp: 141959

Ion	Ratio	Lower	Upper
164	100		
162	110.8	87.0	130.4
160	46.0	35.5	53.3





#42
2,4,6-Tribromophenol
Concen: 39.614 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:330 Resp: 107017

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.4	114.6
141	29.6	21.4	32.0

Instrument :
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ClientSampleId :
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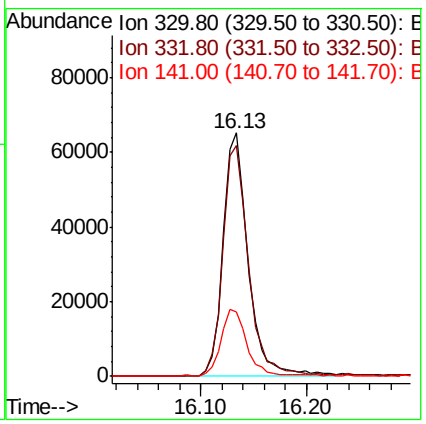
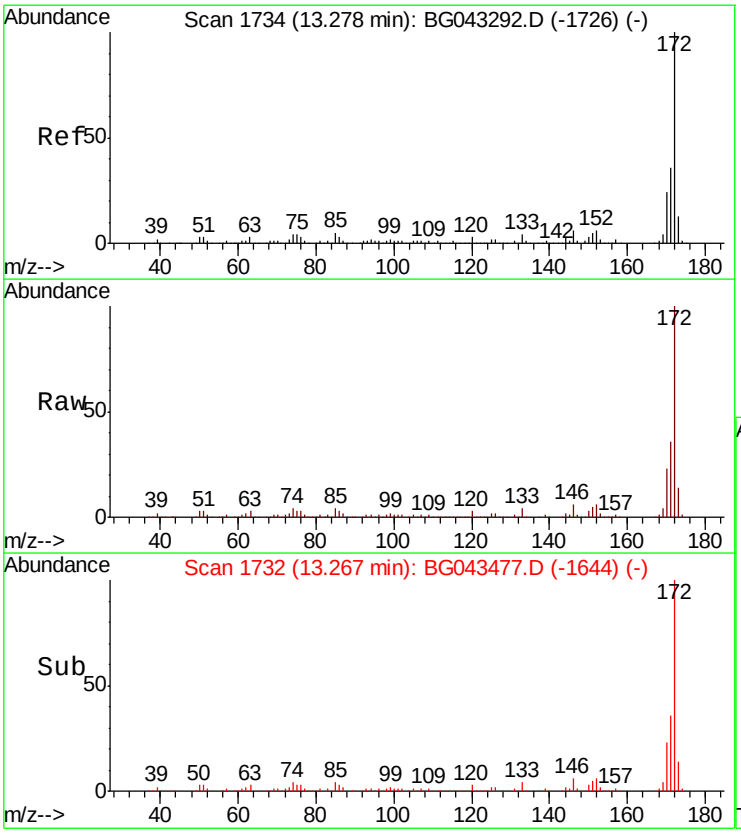
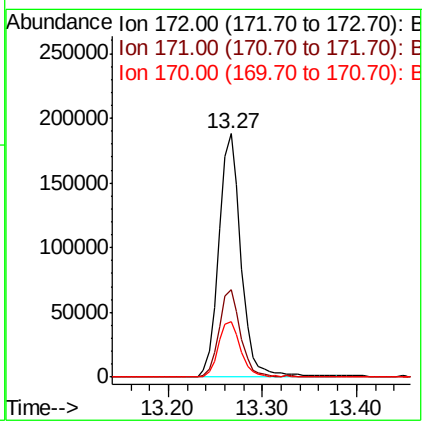


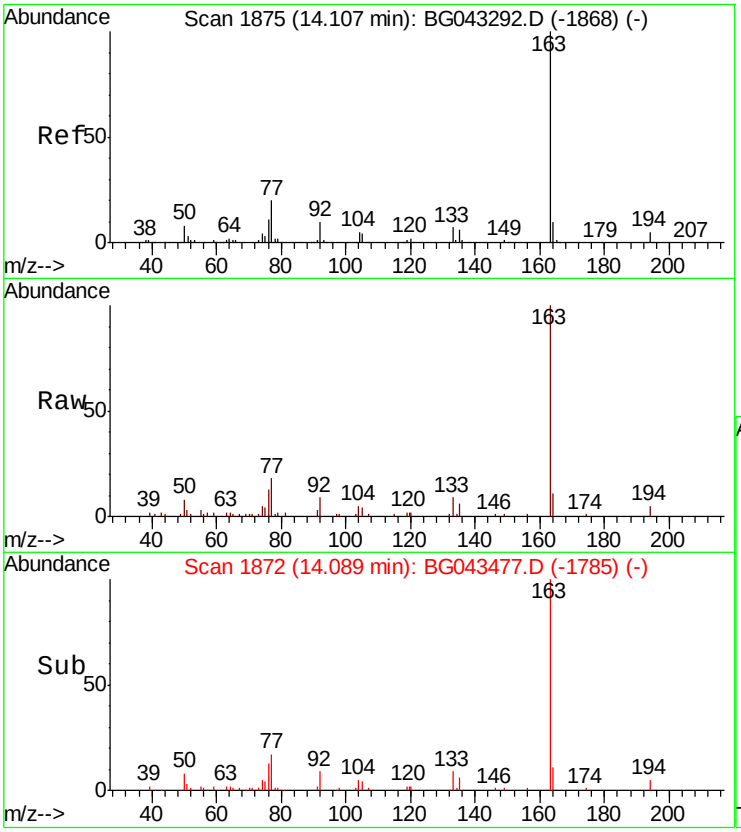


#45
2-Fluorobiphenyl
Concen: 30.196 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:172 Resp: 310215

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.0	18.8	28.2

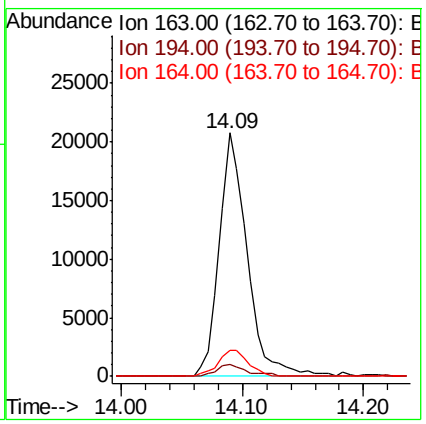




#50
Dimethylphthalate
Concen: 3.017 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:163 Resp: 33169

Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.7	5.5
164	10.7	8.1	12.1



Instrument :
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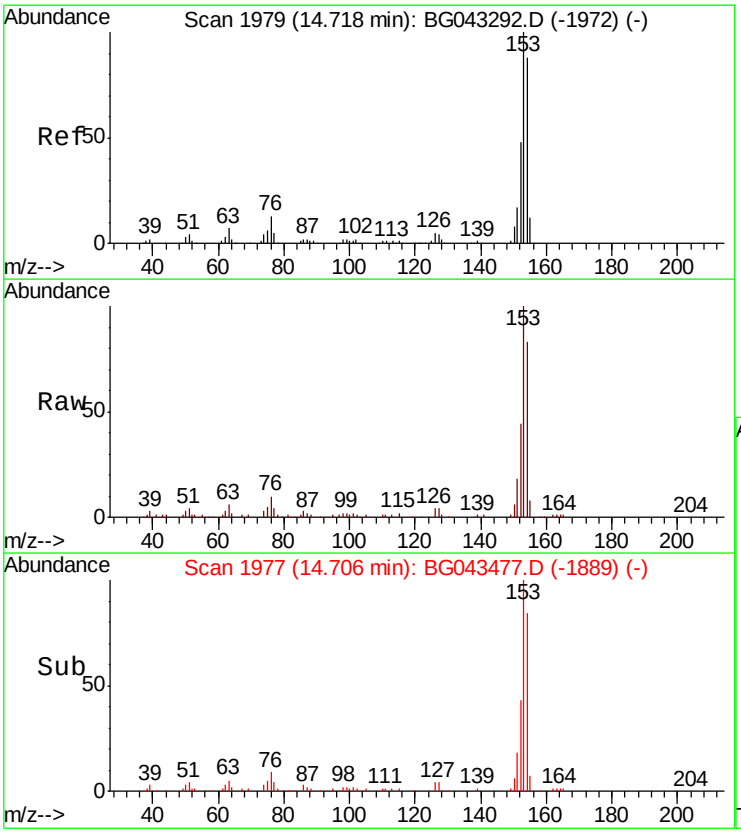
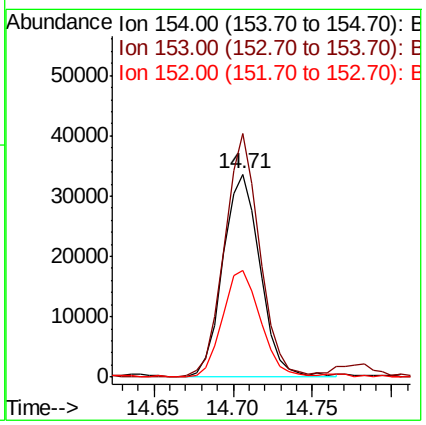
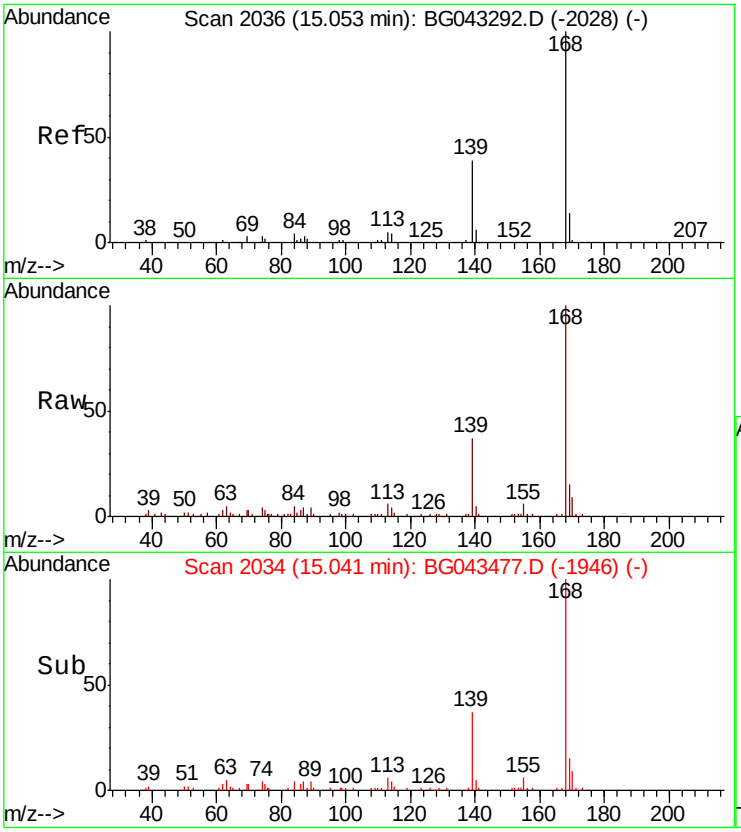


#52
Acenaphthene
Concen: 7.008 ng
RT: 14.71 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:154 Resp: 54654

Ion	Ratio	Lower	Upper
154	100		
153	119.9	90.9	136.3
152	52.4	43.9	65.9

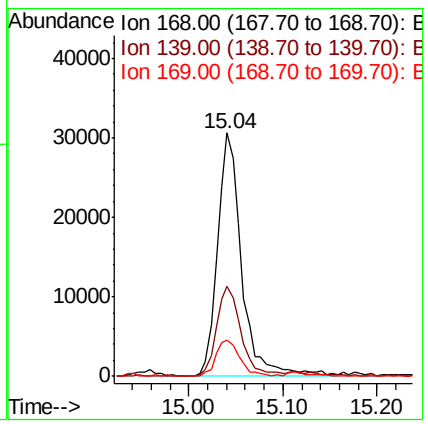




#55
Dibenzofuran
Concen: 4.350 ng
RT: 15.04 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:168 Resp: 55011

Ion	Ratio	Lower	Upper
168	100		
139	36.8	31.7	47.5
169	14.7	11.0	16.4



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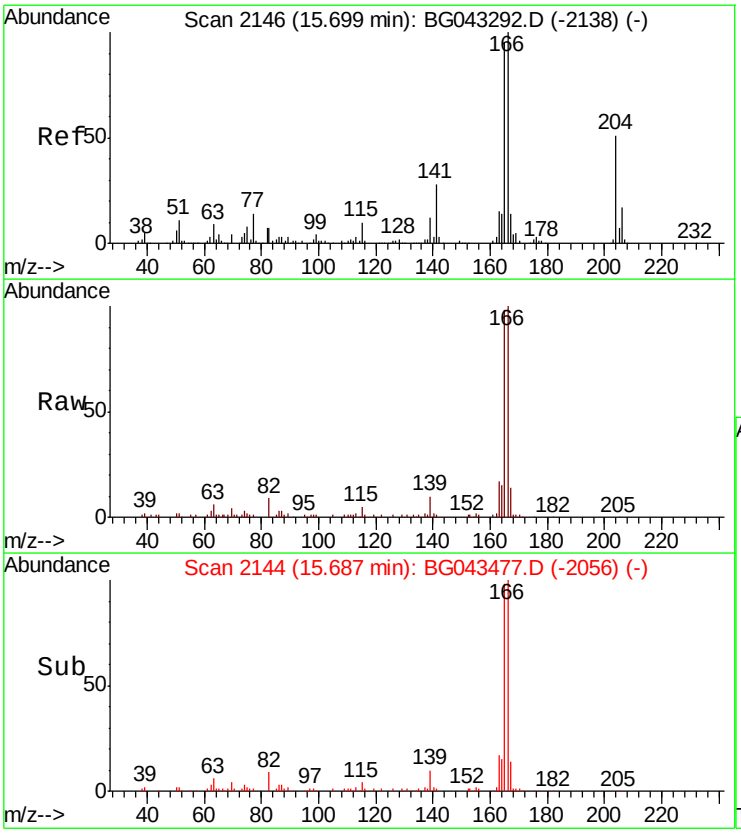
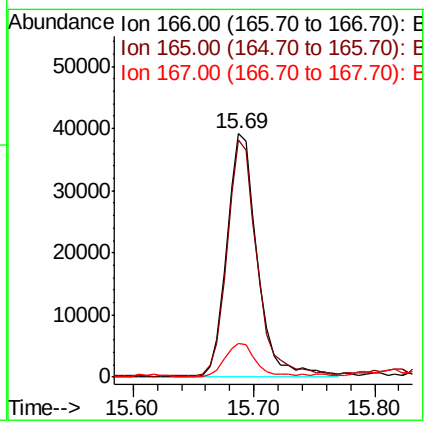
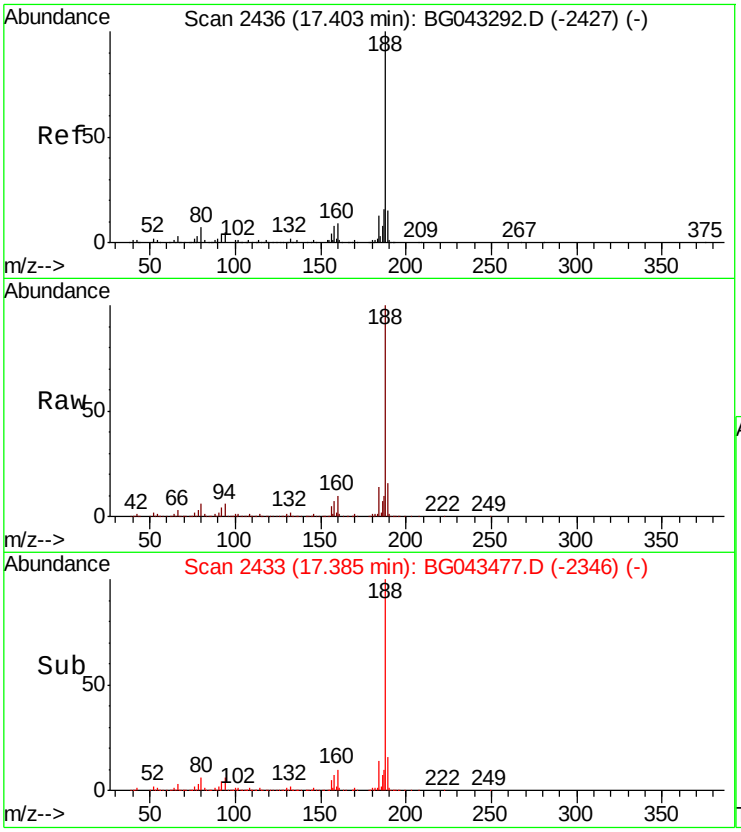


#58
Fluorene
Concen: 6.475 ng
RT: 15.69 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:166 Resp: 68678

Ion	Ratio	Lower	Upper
166	100		
165	97.5	76.4	114.6
167	14.1	11.1	16.7

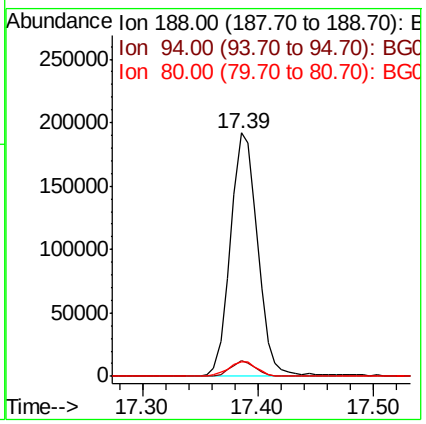




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2433
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:188 Resp: 314479

Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.2	6.2#
80	5.7	5.2	7.8



Instrument :
BNA_G
ClientSampleId :
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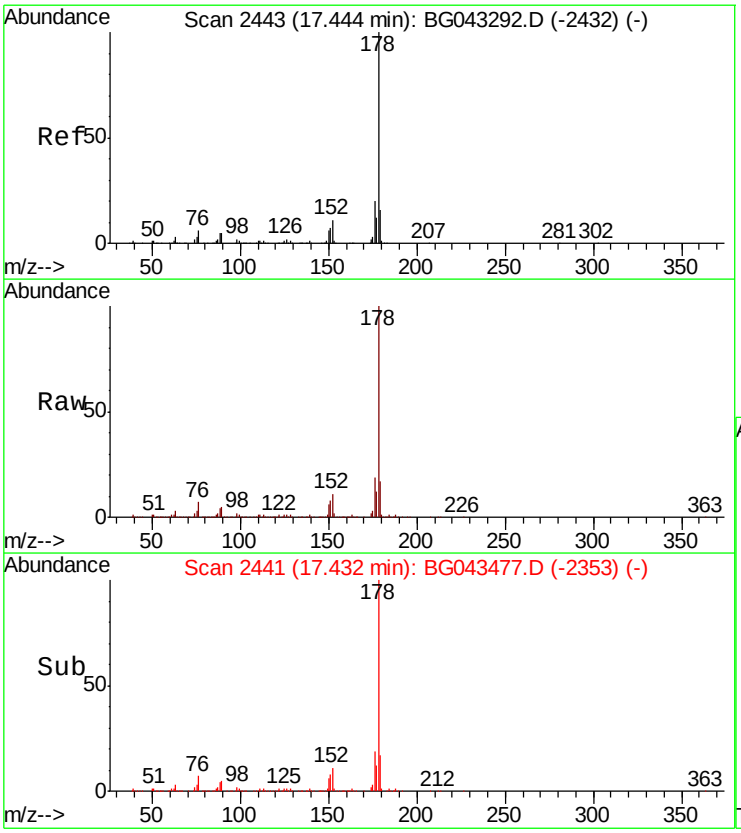
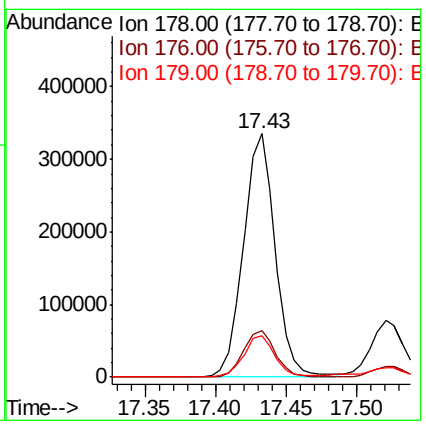
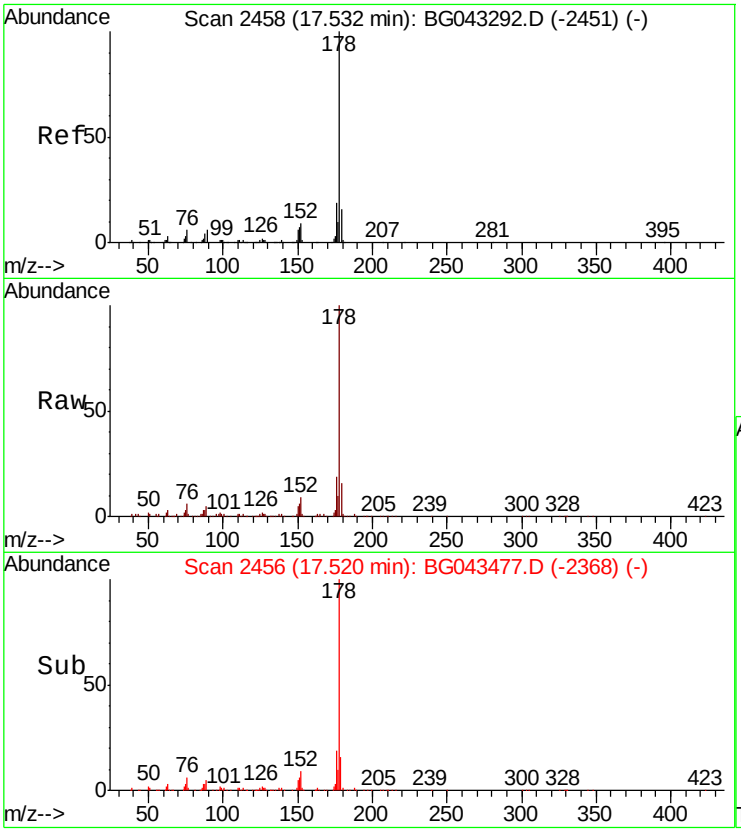


#71
Phenanthrene
Concen: 32.850 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:178 Resp: 529012

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.9	13.1	19.7

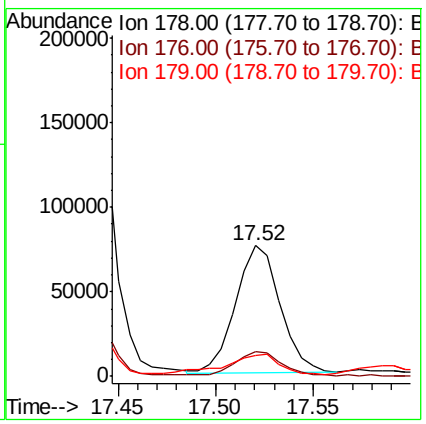




#72
Anthracene
Concen: 7.400 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:178 Resp: 119226

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	16.0	13.0	19.6



Instrument :
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ClientSampleId :
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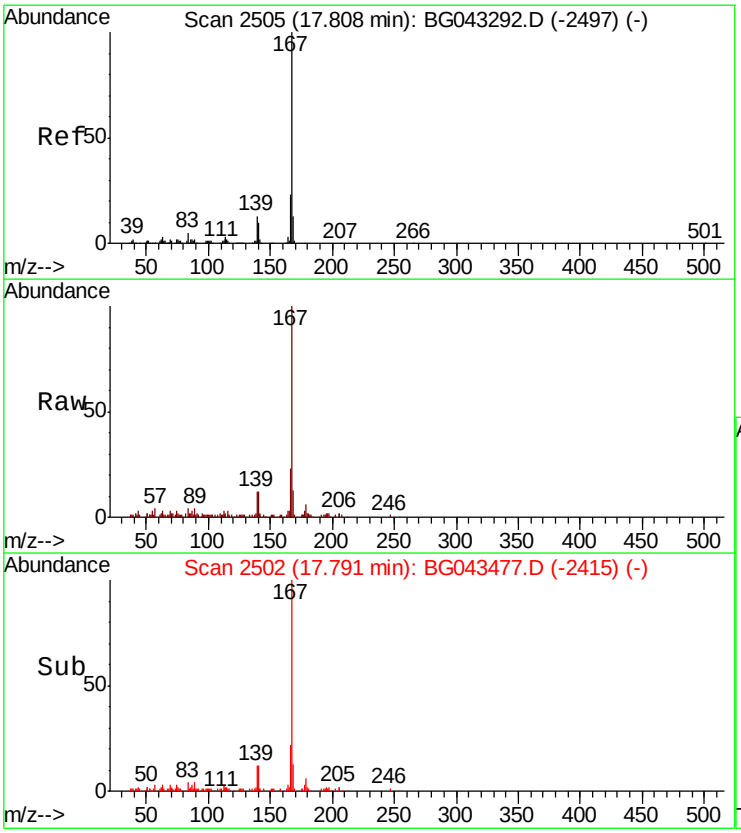
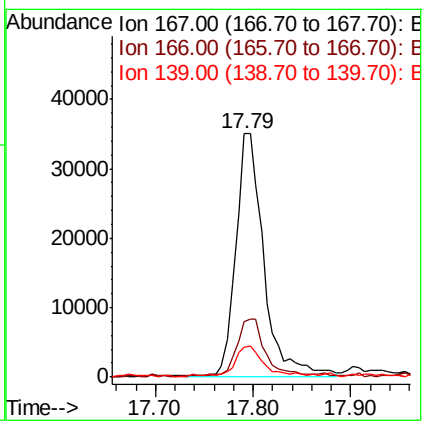
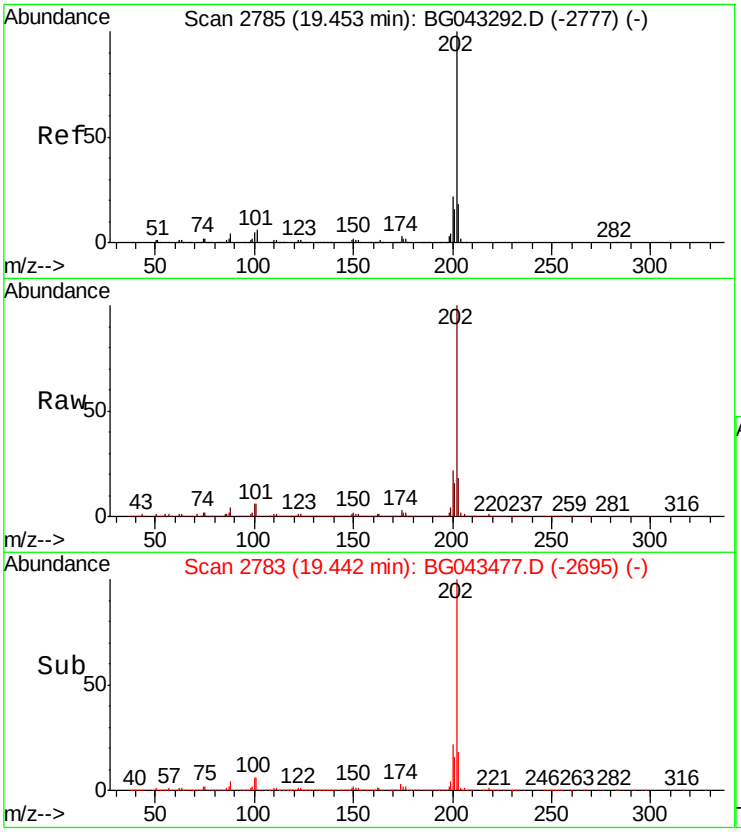


#73
Carbazole
Concen: 4.831 ng
RT: 17.79 min Scan# 2502
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:167 Resp: 70492

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.4	27.6
139	12.3	10.2	15.4

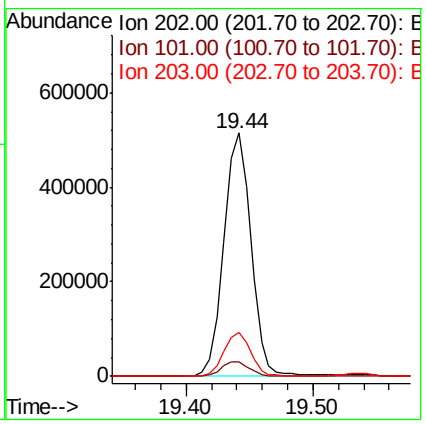




#75
Fluoranthene
Concen: 36.351 ng
RT: 19.44 min Scan# 2783
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:202 Resp: 763159

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	26.0
203	18.0	0.0	38.2



Instrument :
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ClientSampleId :
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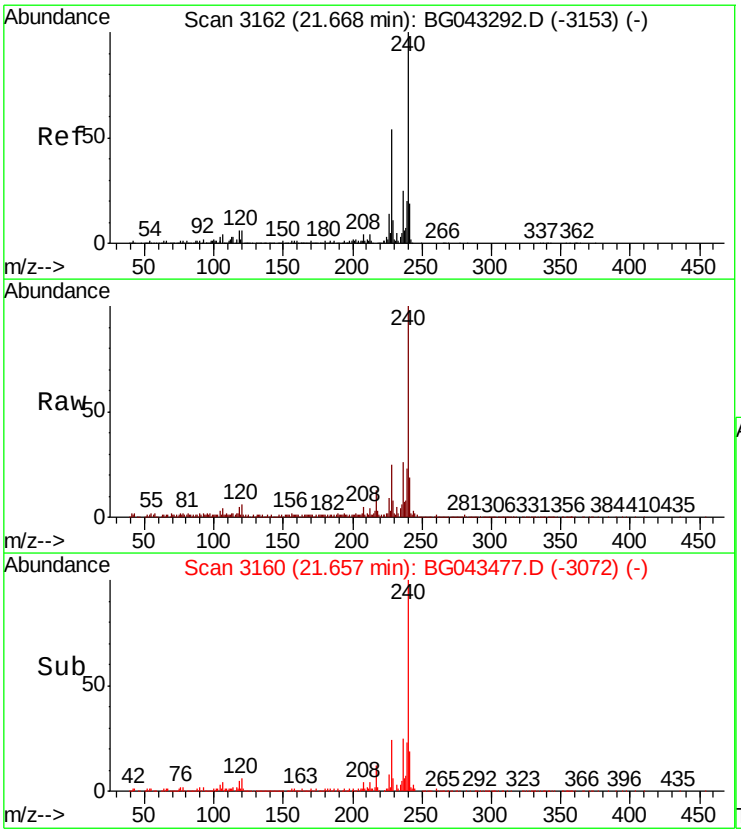
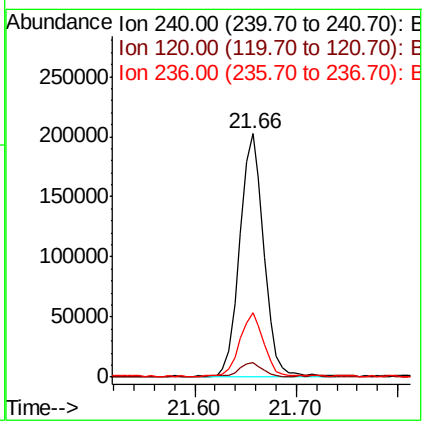
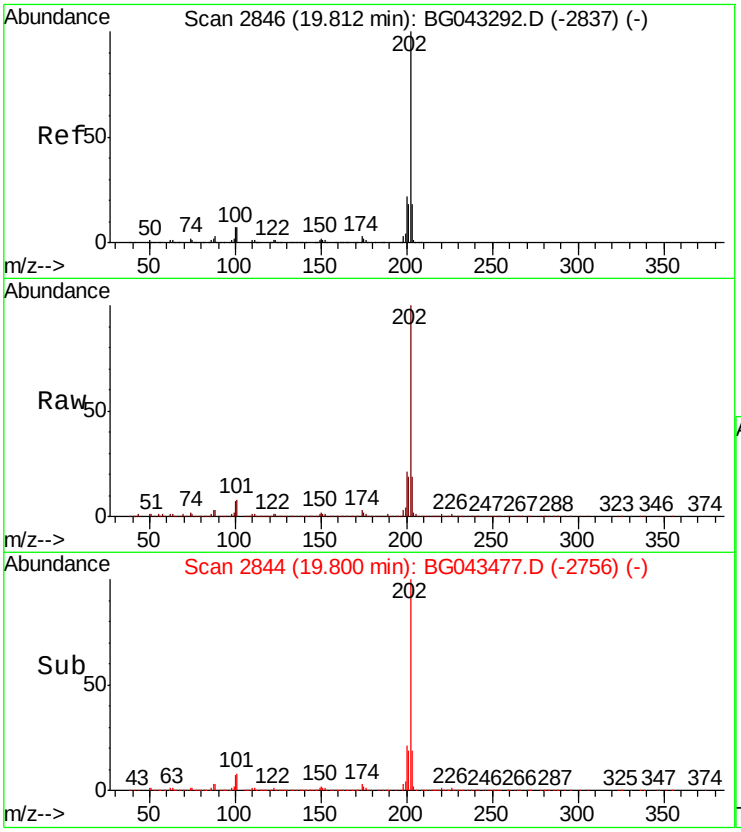


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:240 Resp: 329134

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.6	7.0
236	26.3	20.2	30.4

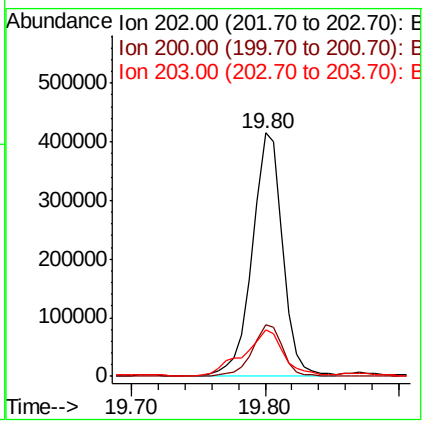




#78
Pyrene
Concen: 31.813 ng
RT: 19.80 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:202 Resp: 648133

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	19.0	14.5	21.7



Instrument :
BNA_G
ClientSampleId :
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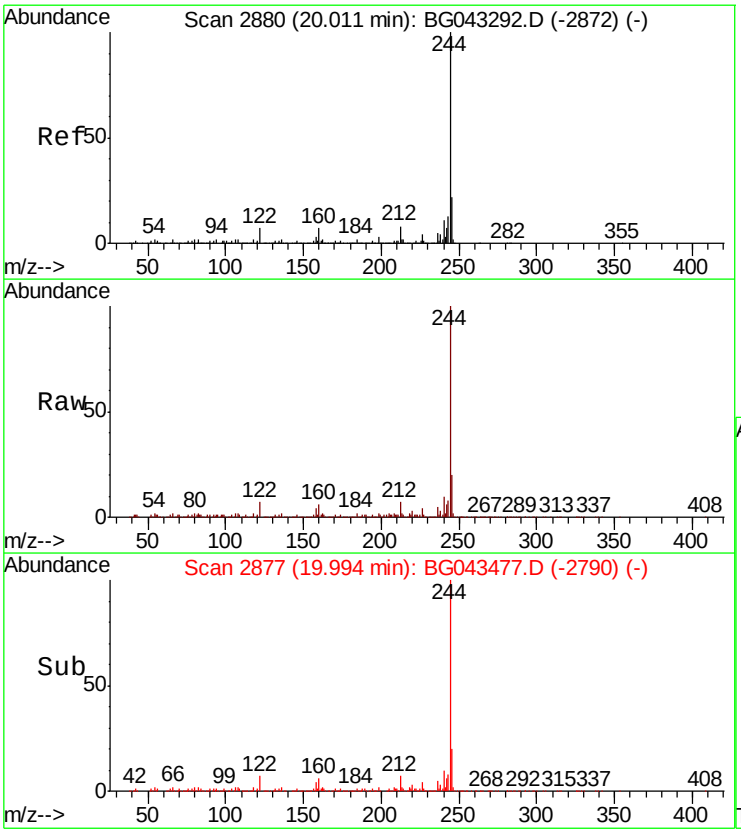
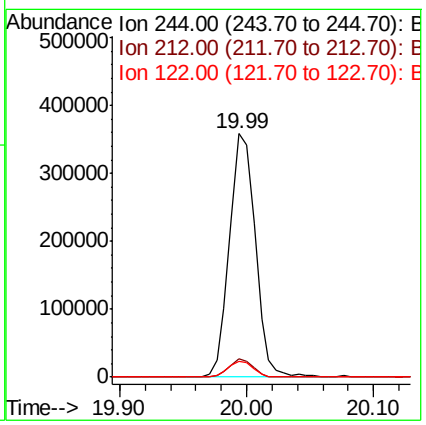
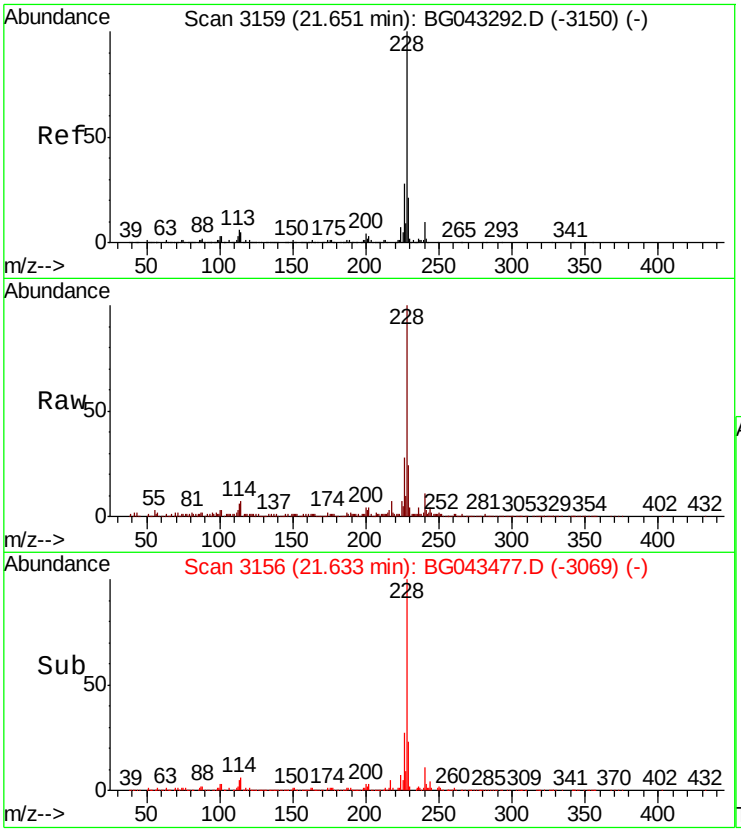


#79
Terphenyl-d14
Concen: 28.803 ng
RT: 19.99 min Scan# 2877
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:244 Resp: 505325

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	6.7	5.3	7.9

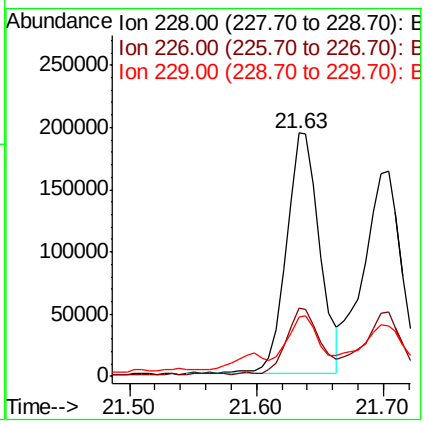




#81
Benzo(a)anthracene
Concen: 17.251 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:228 Resp: 355662

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	24.1	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
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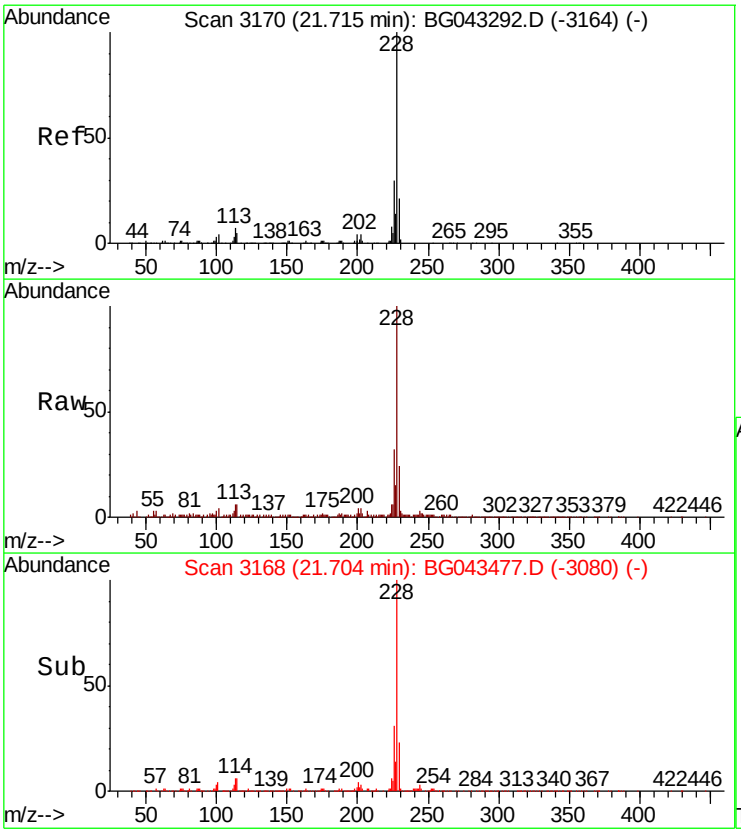
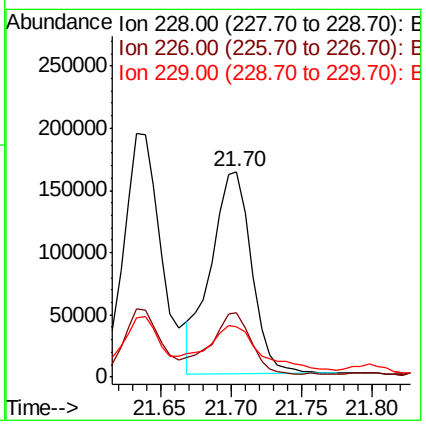
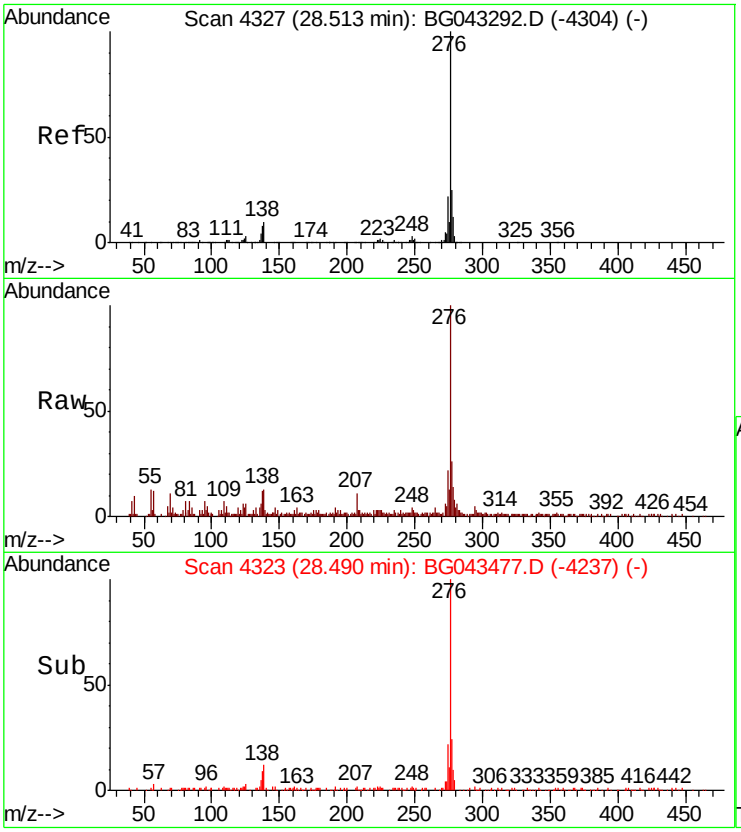


#83
Chrysene
Concen: 15.956 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:228 Resp: 326842

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.8	35.8
229	24.3	16.3	24.5

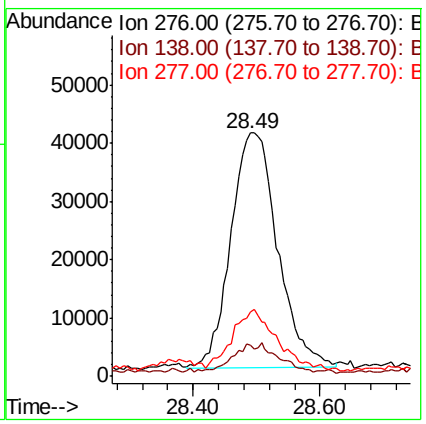




#86
Indeno(1,2,3-cd)pyrene
Concen: 7.978 ng
RT: 28.49 min Scan# 4323
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:276 Resp: 205148

Ion	Ratio	Lower	Upper
276	100		
138	5.0	7.2	10.8#
277	24.4	20.9	31.3



Instrument :
BNA_G
ClientSampleId :
OK-01-103019

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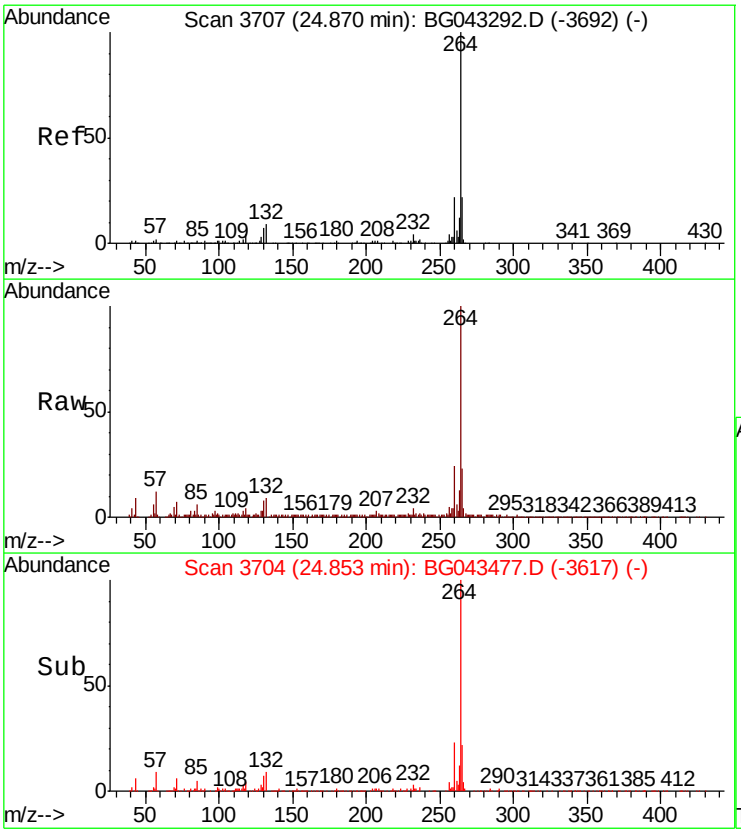
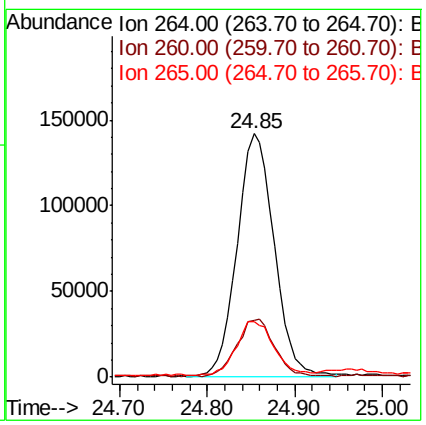
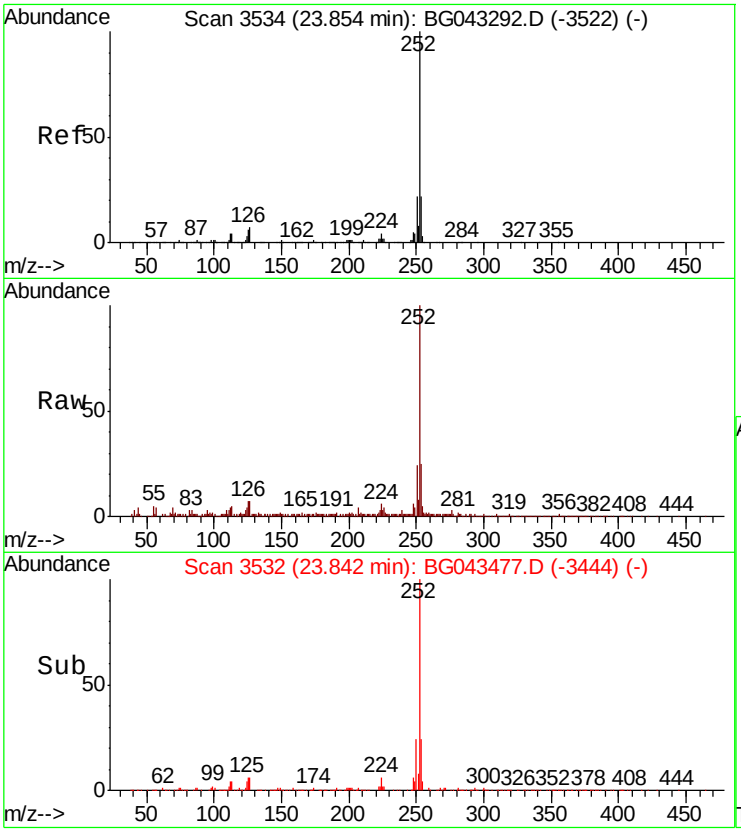


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:264 Resp: 405905

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.9	26.9
265	23.0	17.4	26.2

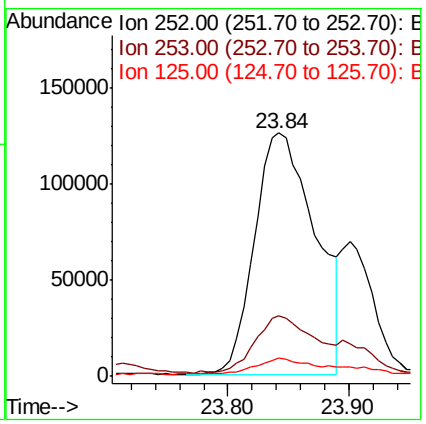




#88
Benzo(b)fluoranthene
Concen: 19.113 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:252 Resp: 439382

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	7.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
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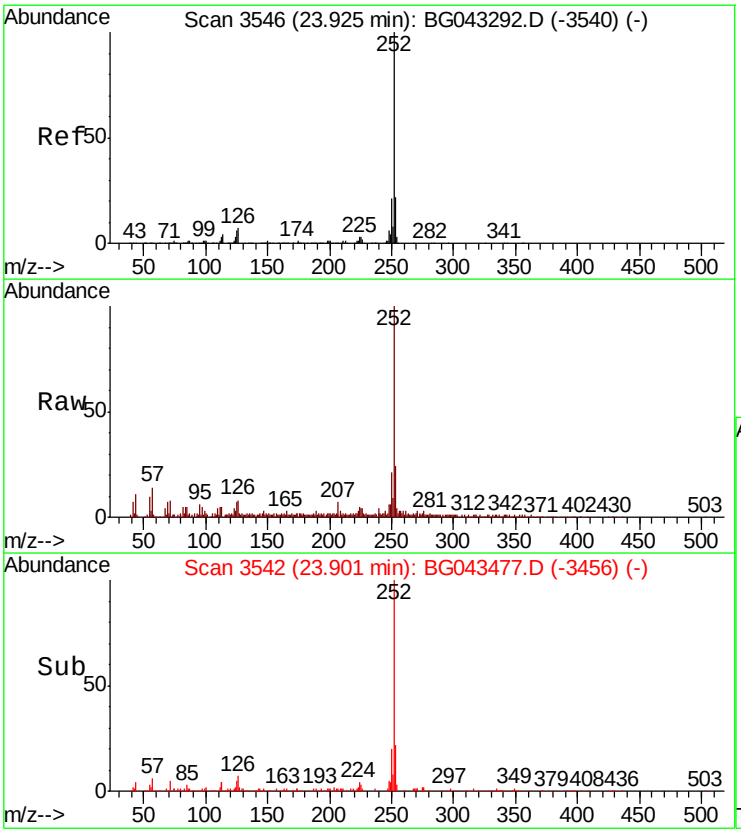
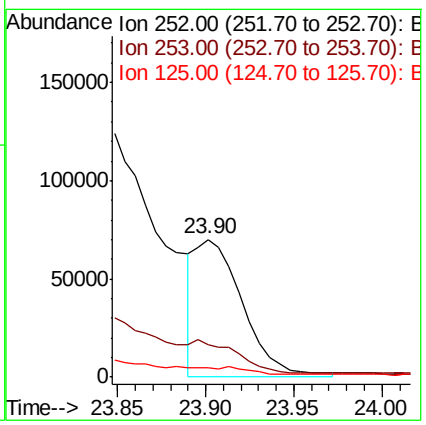
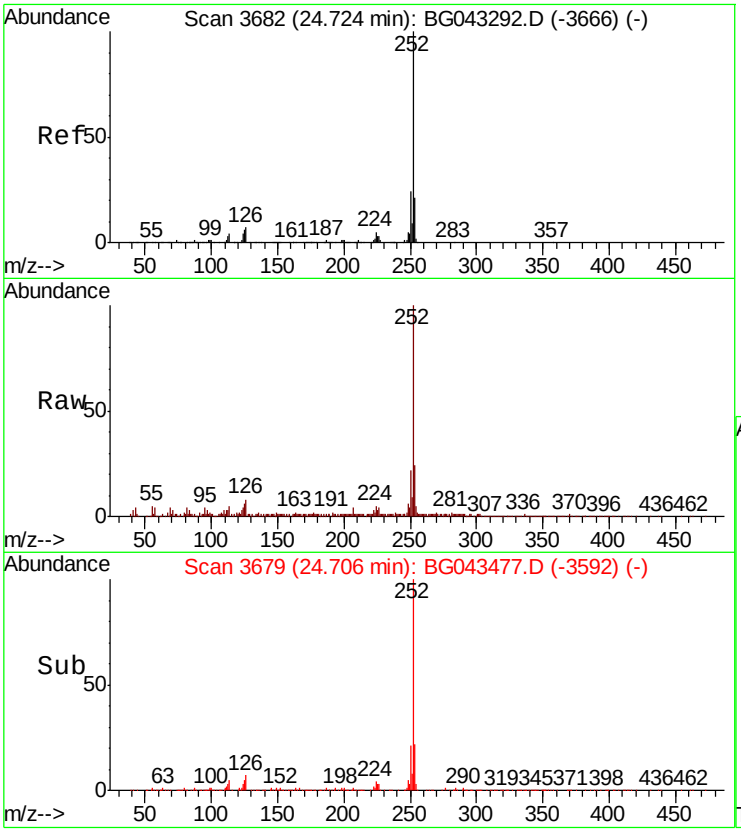


#89
Benzo(k)fluoranthene
Concen: 5.769 ng m
RT: 23.90 min Scan# 3542
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:252 Resp: 133508

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	7.1	4.5	6.7#

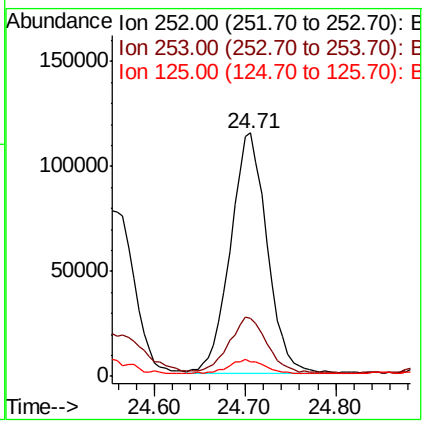




#90
Benzo(a)pyrene
Concen: 14.652 ng
RT: 24.71 min Scan# 3679
Delta R.T. -0.02 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:252 Resp: 321659

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	6.1	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
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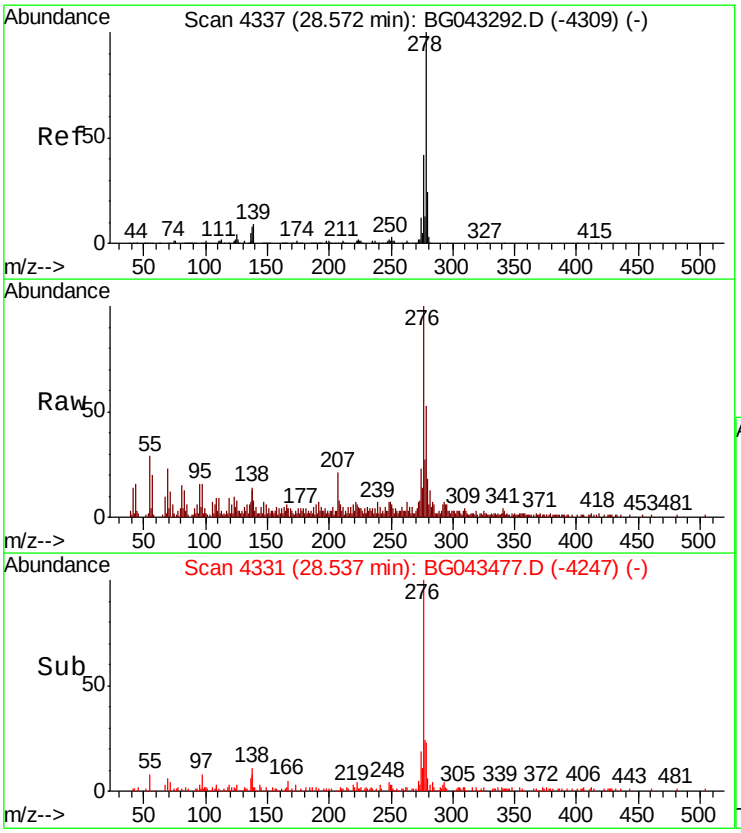
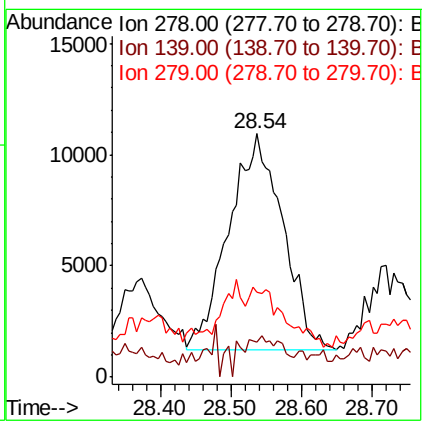
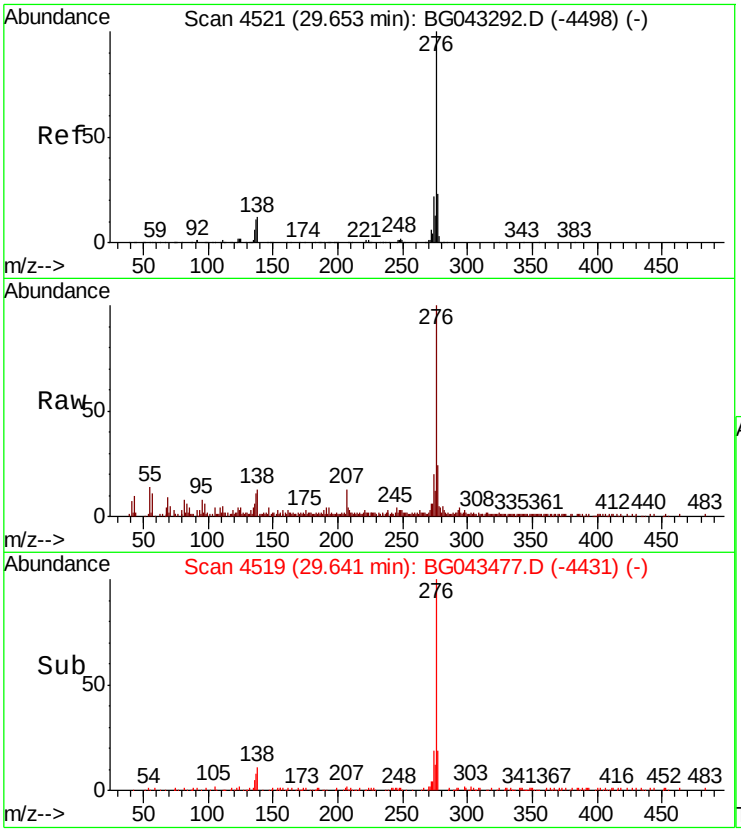


#91
Dibenzo(a,h)anthracene
Concen: 2.310 ng
RT: 28.54 min Scan# 4331
Delta R.T. -0.04 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:278 Resp: 51864

Ion	Ratio	Lower	Upper
278	100		
139	14.4	6.8	10.2#
279	34.9	19.0	28.6#

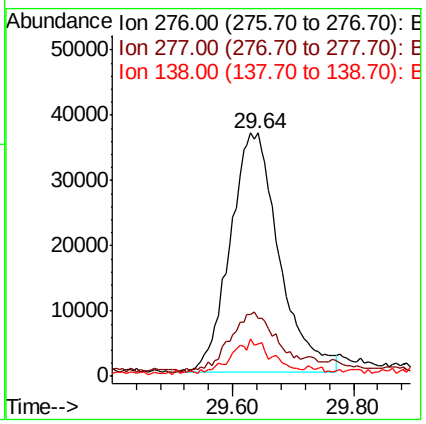




#92
Benzo(g,h,i)perylene
Concen: 9.257 ng
RT: 29.64 min Scan# 4519
Delta R.T. -0.01 min
Lab File: BG043477.D
Acq: 1 Nov 2019 22:28

Tgt Ion:276 Resp: 205033

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.3	27.5
138	13.1	9.3	13.9



Instrument :
BNA_G
ClientSampleId :
OK-01-103019

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