Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041050.D
Acq On : 4 Jun 2019 1:07
Operator : HP/JU
Sample : K3105-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
mohammad
6/5/2019 8:35:40 AM

Quant Time: Jun 04 10:03:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	89406	20.00	ng		0.00
21) Naphthalene-d8	10.95	136	330981	20.00	ng		0.00
39) Acenaphthene-d10	14.76	164	207398	20.00	ng		0.00
64) Phenanthrene-d10	17.50	188	444409	20.00	ng		0.00
76) Chrysene-d12	21.79	240	464135	20.00	ng		0.00
87) Perylene-d12	25.16	264	366071	20.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	234844	47.37	ng		0.00
7) Phenol-d6	7.27	99	334460	43.68	ng		0.00
23) Nitrobenzene-d5	9.30	82	235405	31.57	ng		0.00
42) 2,4,6-Tribromophenol	16.25	330	133652	43.41	ng		0.00
45) 2-Fluorobiphenyl	13.38	172	492091	34.17	ng		0.00
79) Terphenyl-d14	20.10	244	681906	31.18	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	14.49	152	82802	4.174	ng		98
50) Dimethylphthalate	14.19	163	62264	3.547	ng		97
58) Fluorene	15.80	166	49155	3.053	ng		96
71) Phenanthrene	17.55	178	458231	19.795	ng		99
72) Anthracene	17.64	178	150987	6.613	ng		99
75) Fluoranthene	19.55	202	1171229	40.963	ng		97
78) Pyrene	19.92	202	1205610	39.958	ng		98
81) Benzo(a)anthracene	21.77	228	689071	22.303	ng		96
83) Chrysene	21.84	228	684818	23.162	ng		94
86) Indeno(1,2,3-cd)pyrene	29.01	276	190637	5.264	ng	#	93
88) Benzo(b)fluoranthene	24.08	252	691080	31.125	ng	#	81
89) Benzo(k)fluoranthene	24.15	252	297896m	13.558	ng		
90) Benzo(a)pyrene	25.01	252	470582	22.214	ng	#	94
92) Benzo(g,h,i)perylene	30.23	276	139615	6.789	ng	#	83

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

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Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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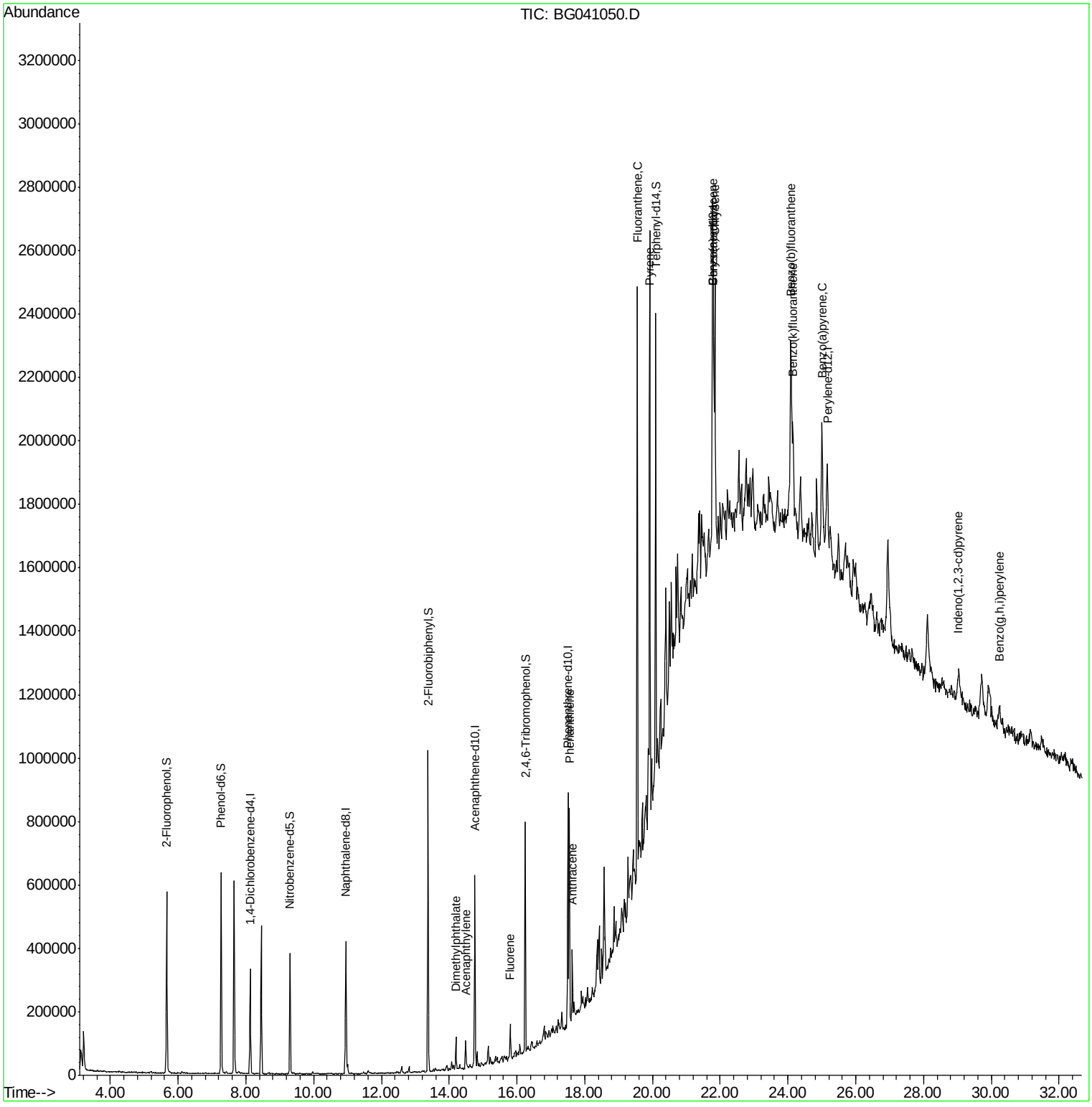
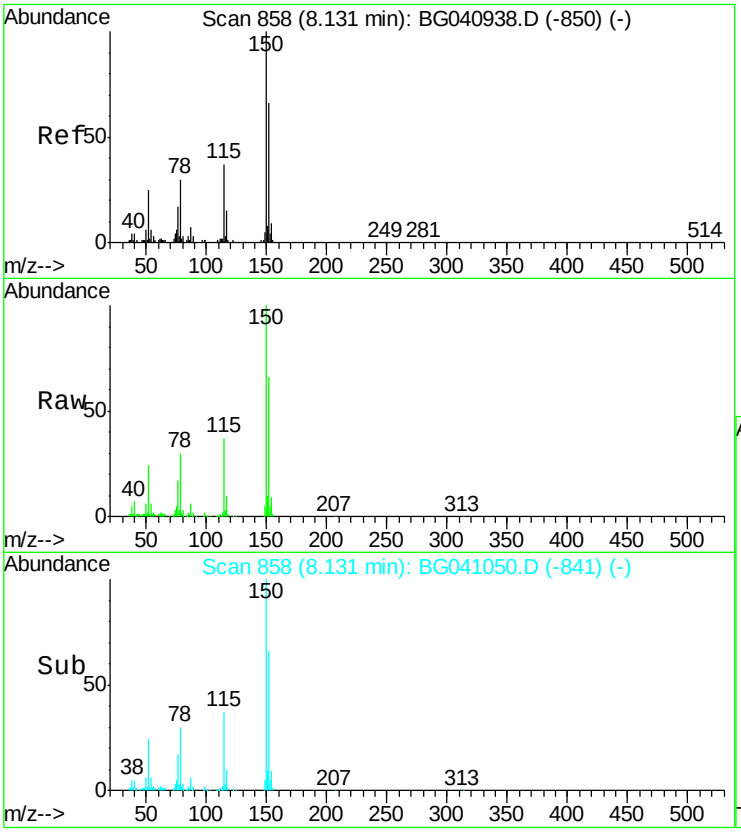
6/5/2019 8:35:40 AM

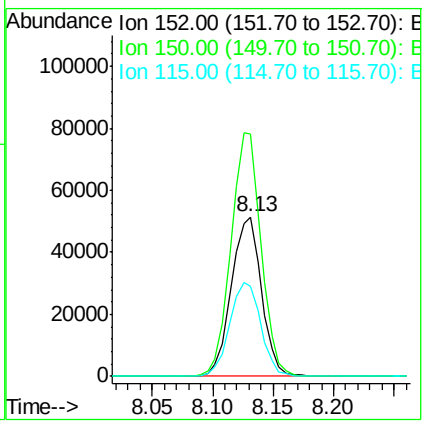




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:152 Resp: 89406

Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.6	180.8
115	56.9	45.1	67.7



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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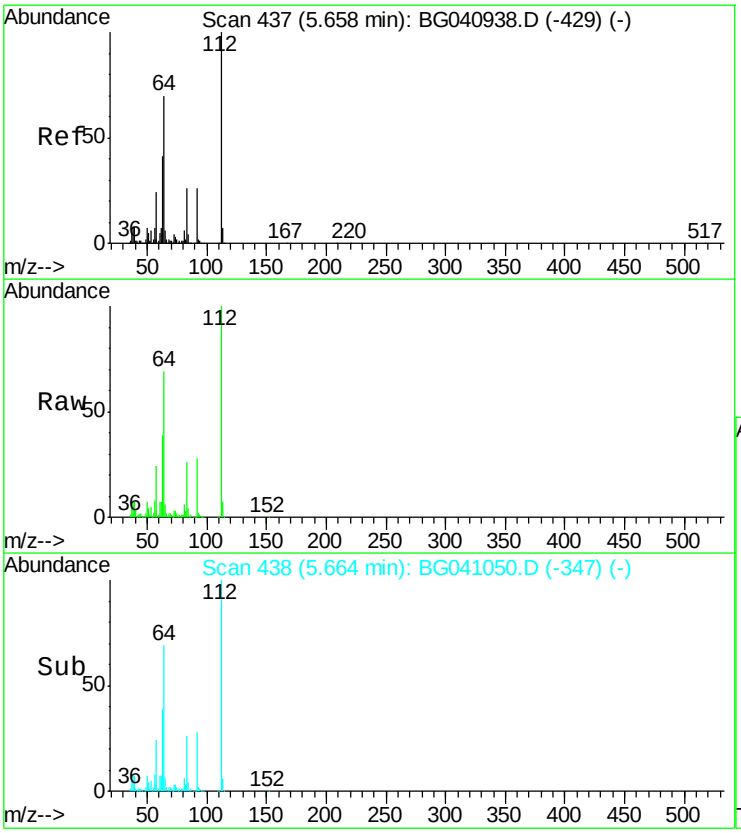
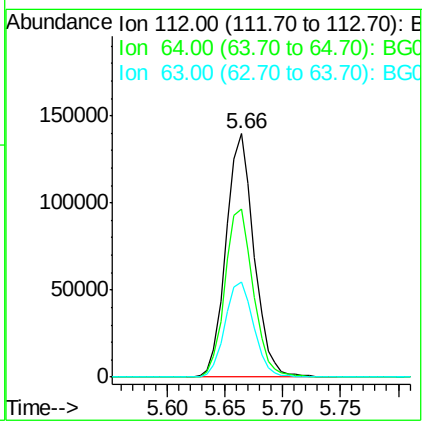
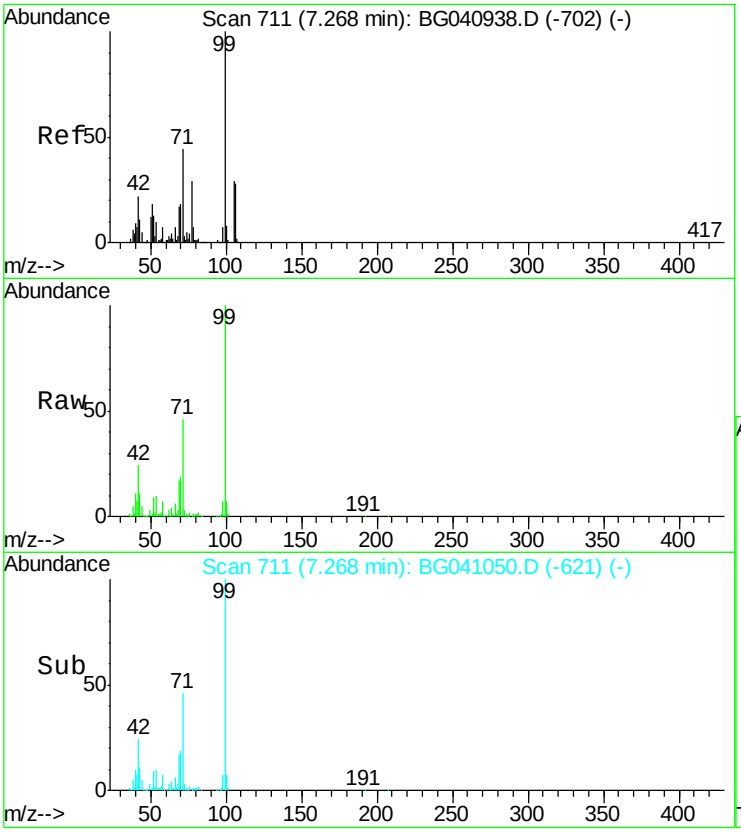


#5
2-Fluorophenol
Concen: 47.365 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:112 Resp: 234844

Ion	Ratio	Lower	Upper
112	100		
64	69.2	56.2	84.2
63	39.2	32.8	49.2

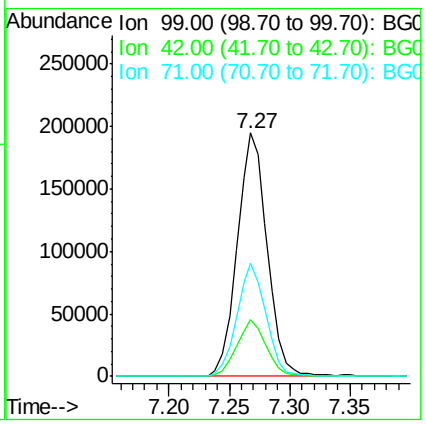




#7
Phenol-d6
Concen: 43.678 ng
RT: 7.27 min Scan# 711
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion: 99 Resp: 334460

Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.9	26.9
71	46.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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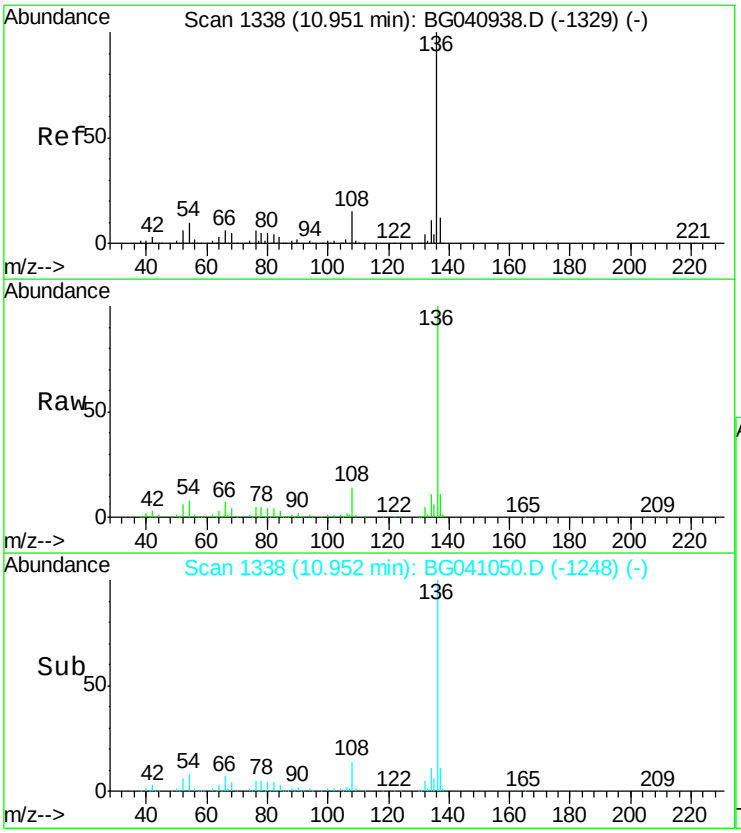
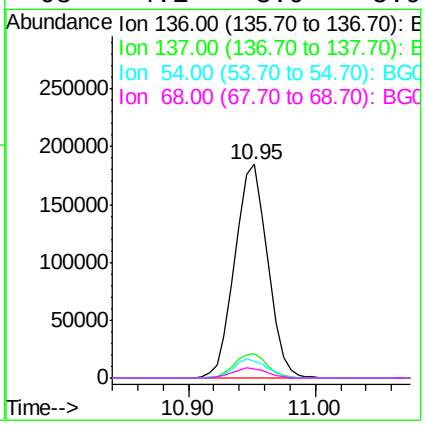
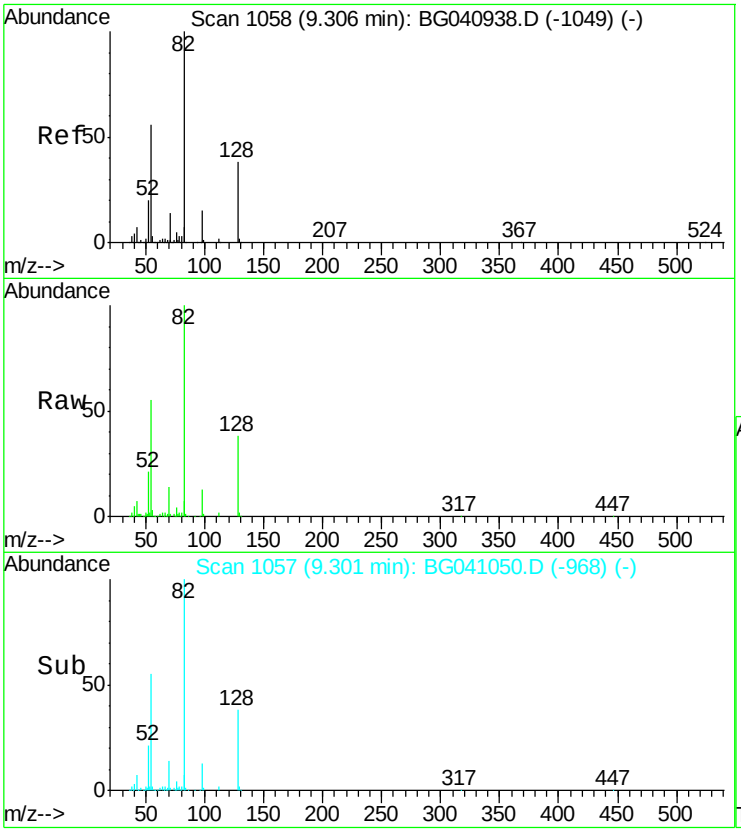


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:136 Resp: 330981

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	8.0	7.6	11.4
68	4.1	3.9	5.9

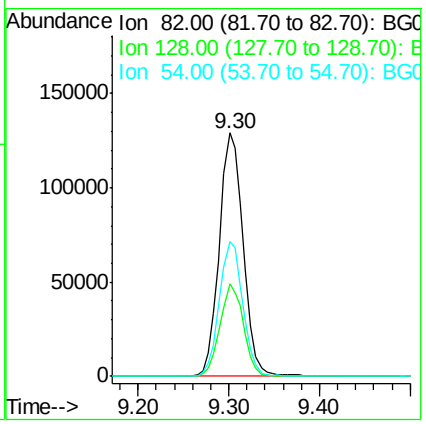




#23
Nitrobenzene-d5
Concen: 31.574 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion: 82 Resp: 235405

Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.5	45.7
54	55.3	44.6	66.8



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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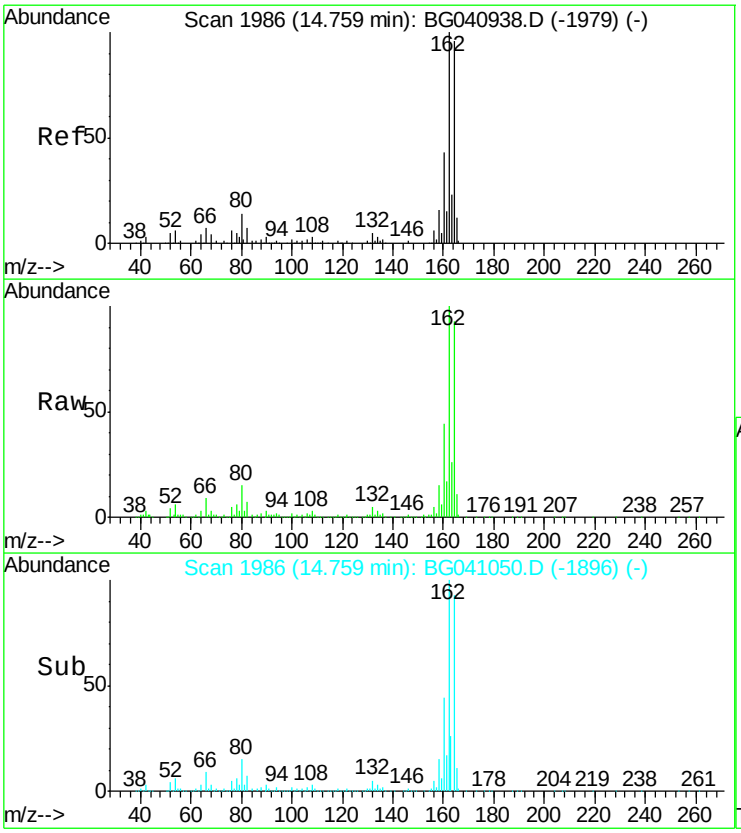
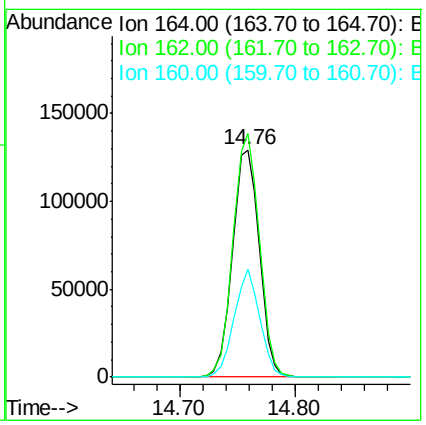
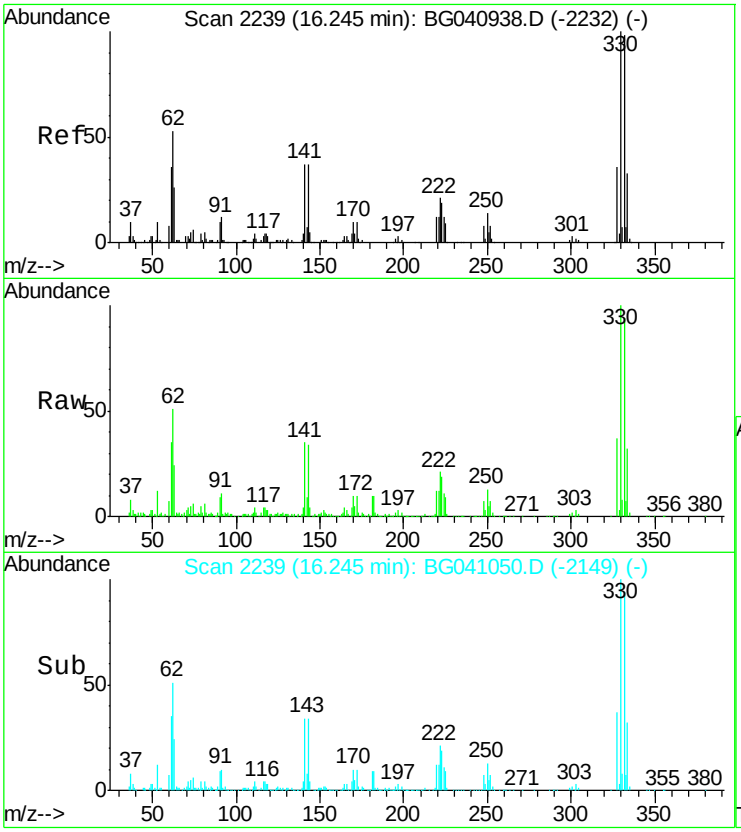


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:164 Resp: 207398

Ion	Ratio	Lower	Upper
164	100		
162	107.1	83.0	124.4
160	47.4	35.6	53.4

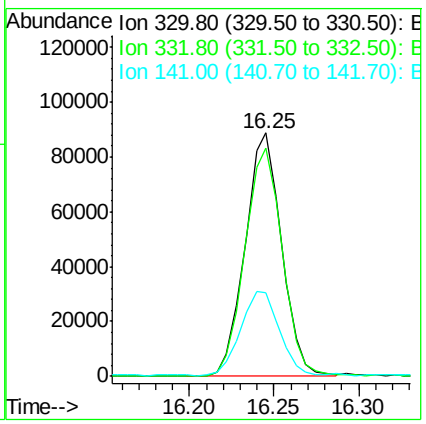




#42
2,4,6-Tribromophenol
Concen: 43.408 ng
RT: 16.25 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:330 Resp: 133652

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.5	117.7
141	36.5	28.7	43.1



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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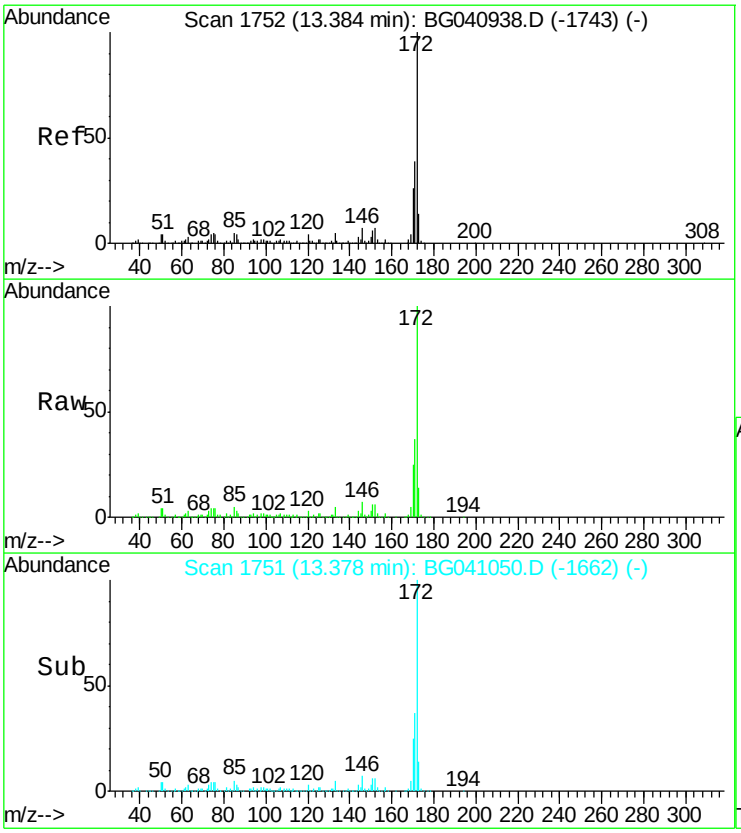
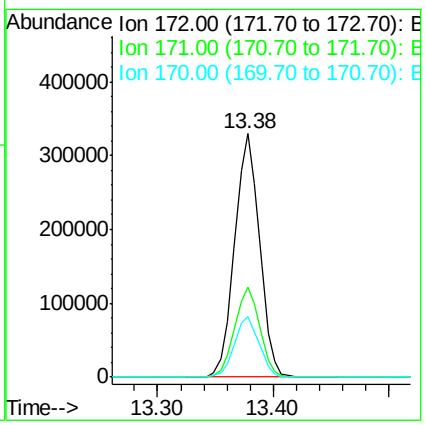
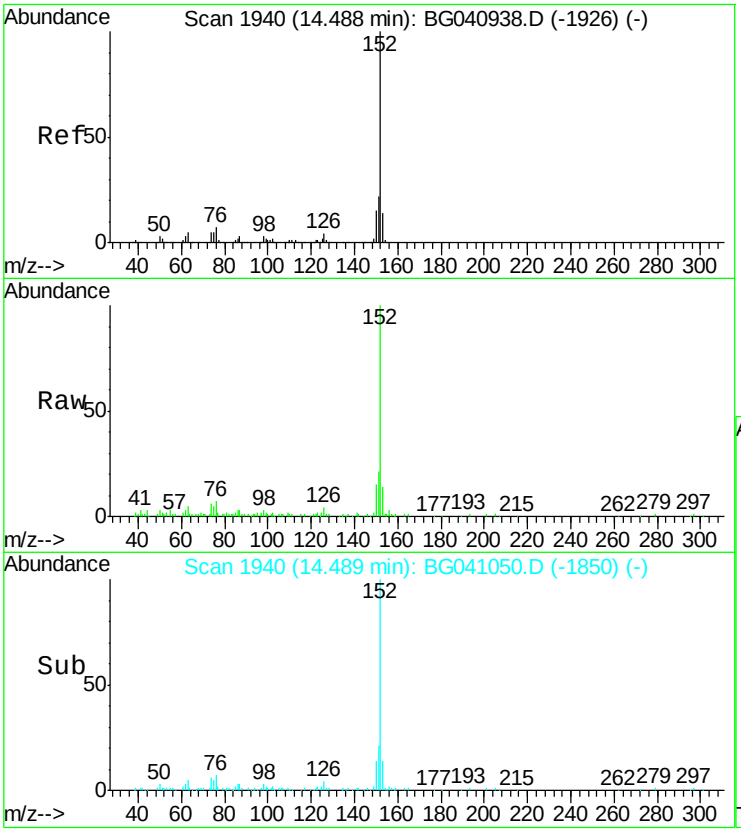


#45
2-Fluorobiphenyl
Concen: 34.169 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:172 Resp: 492091

Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.1	46.7
170	25.0	20.5	30.7

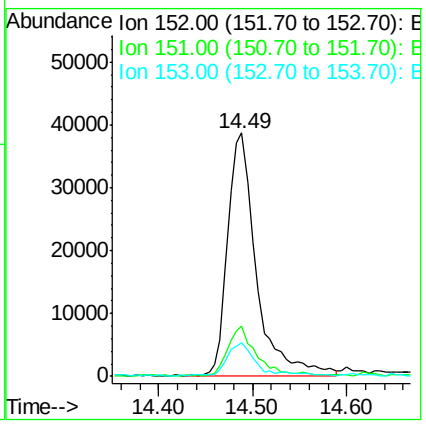




#49
Acenaphthylene
Concen: 4.174 ng
RT: 14.49 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:152 Resp: 82802

Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.4	26.0
153	13.6	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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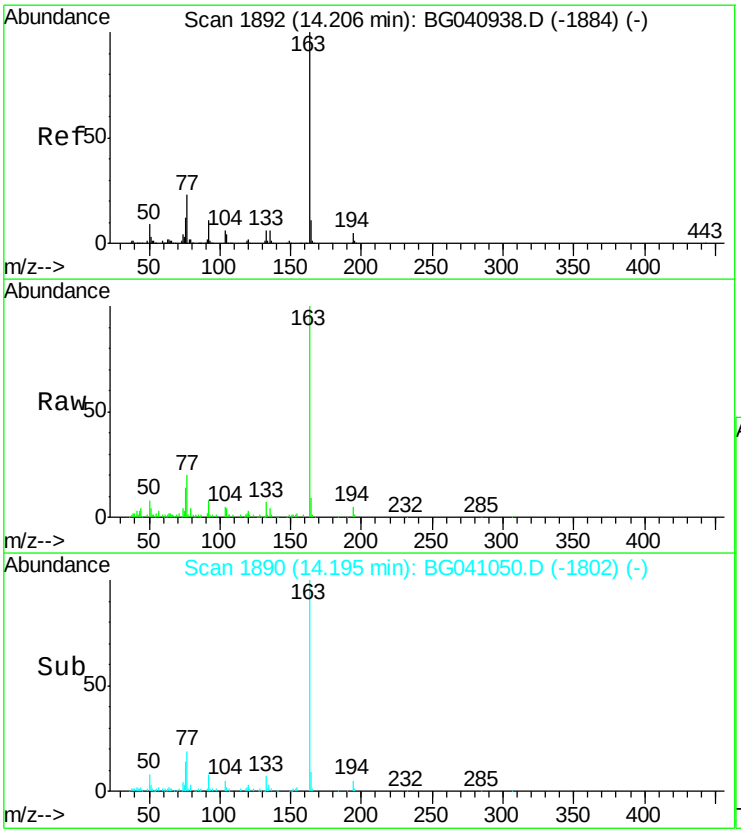
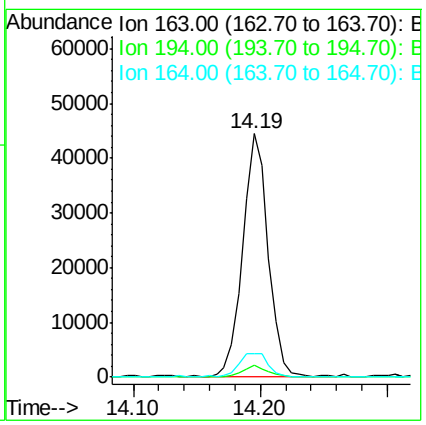
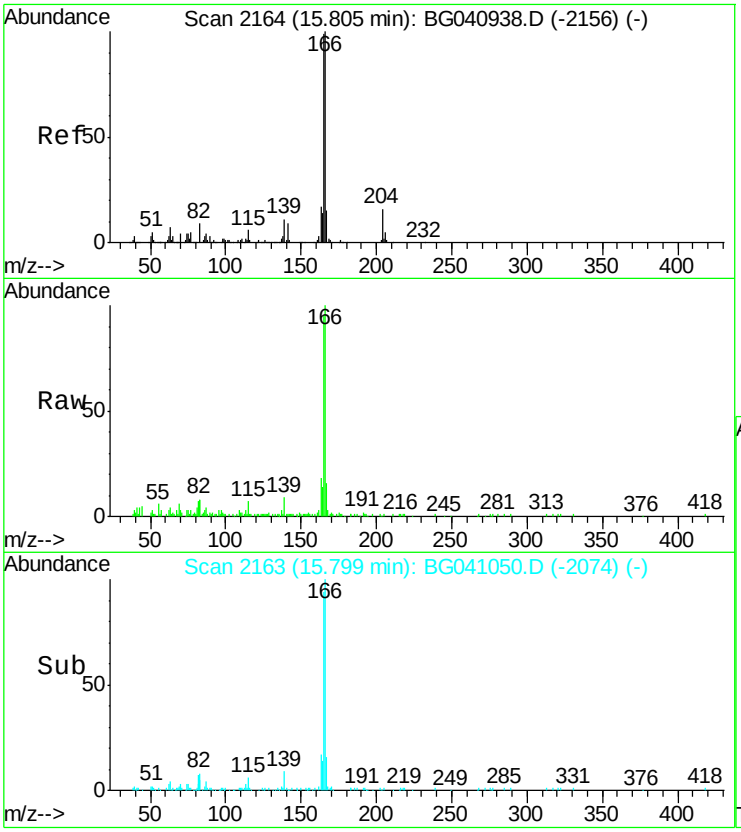


#50
Dimethylphthalate
Concen: 3.547 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:163 Resp: 62264

Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.8	5.8
164	9.5	8.7	13.1

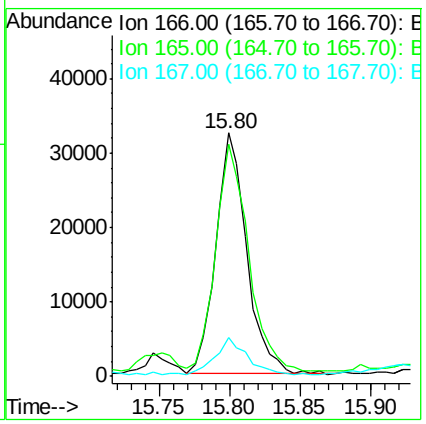




#58
Fluorene
Concen: 3.053 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:166 Resp: 49155

Ion	Ratio	Lower	Upper
166	100		
165	95.1	79.2	118.8
167	15.9	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
101-102

Manual Integrations APPROVED
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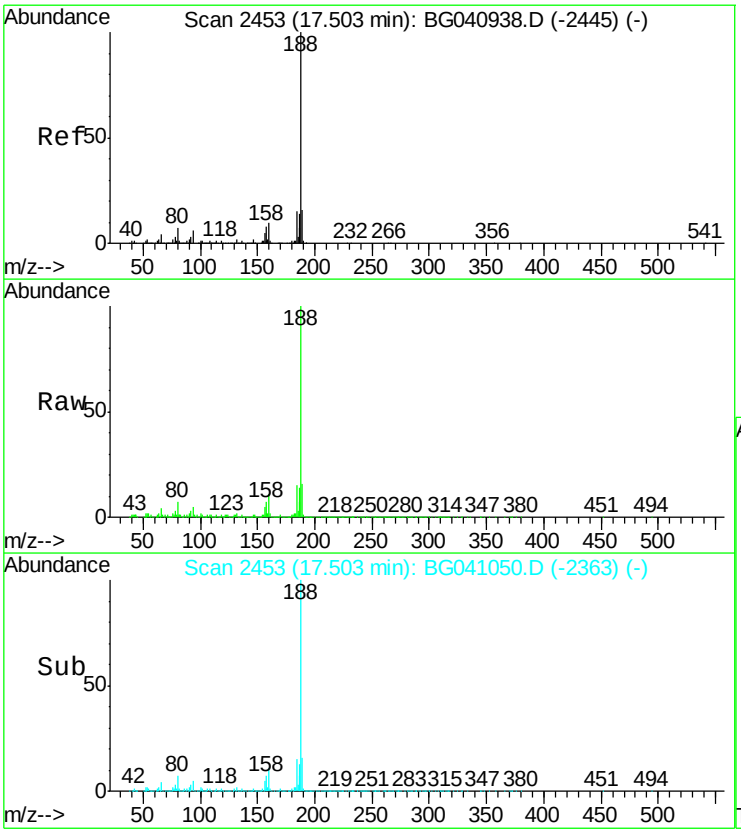
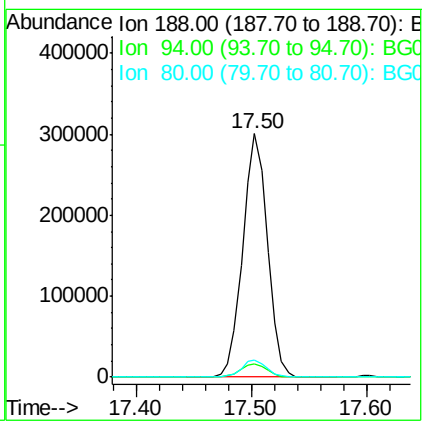
6/5/2019 8:35:40 AM

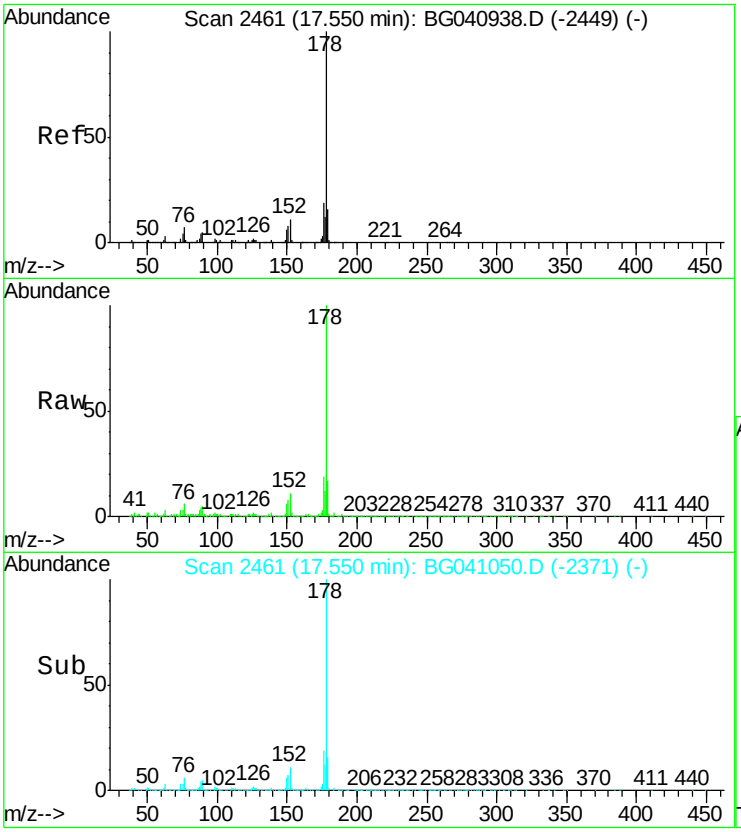


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2453
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:188 Resp: 444409

Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.7	7.1
80	7.2	5.8	8.8

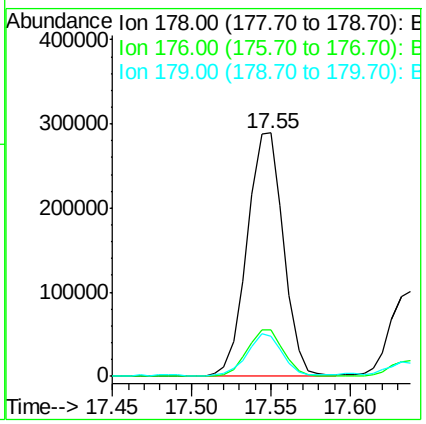




#71
Phenanthrene
Concen: 19.795 ng
RT: 17.55 min Scan# 2461
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:178 Resp: 458231

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	16.6	12.7	19.1



Instrument :
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ClientSampleId :
101-102

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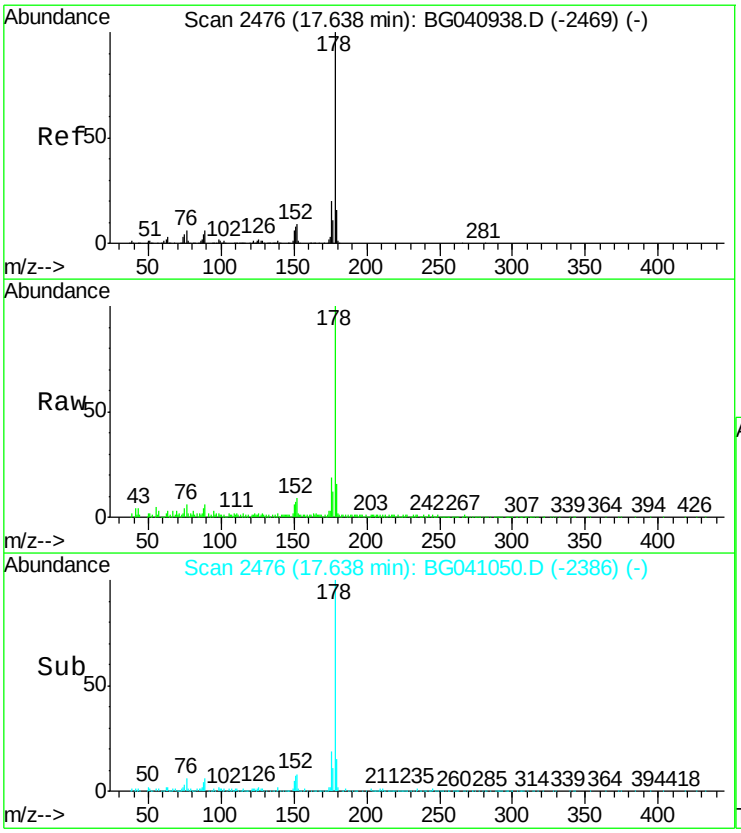
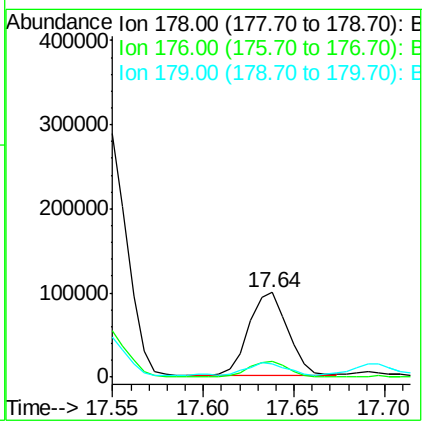
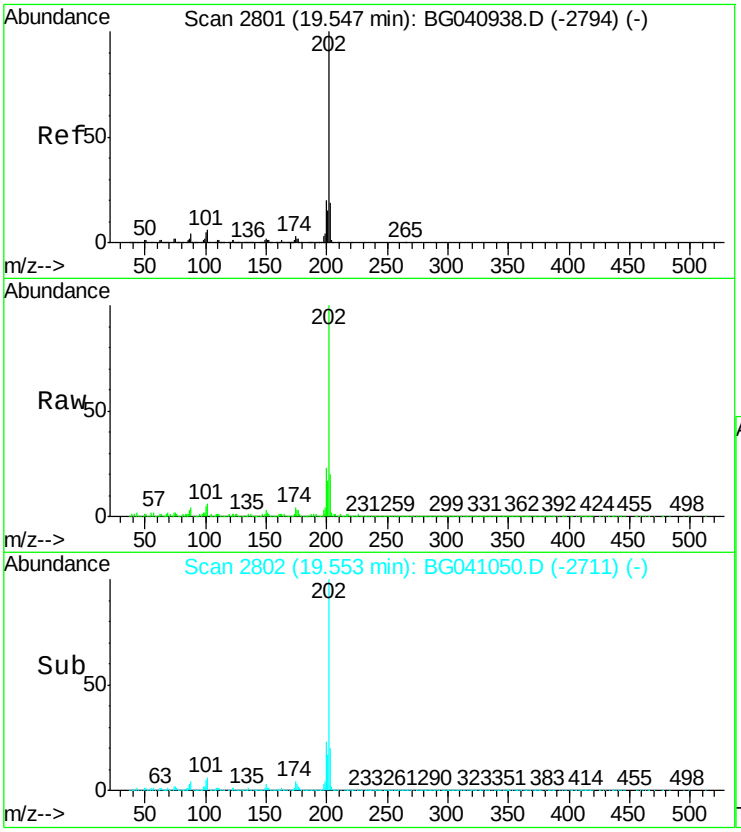


#72
Anthracene
Concen: 6.613 ng
RT: 17.64 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:178 Resp: 150987

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.8	13.0	19.4

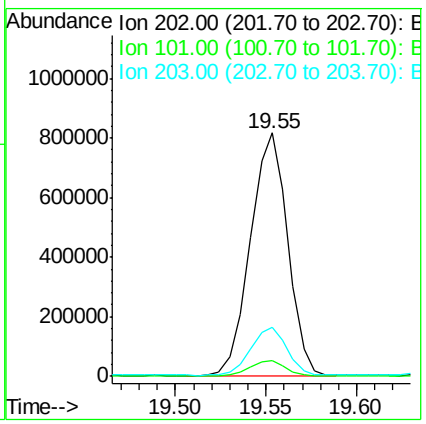




#75
Fluoranthene
Concen: 40.963 ng
RT: 19.55 min Scan# 2802
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

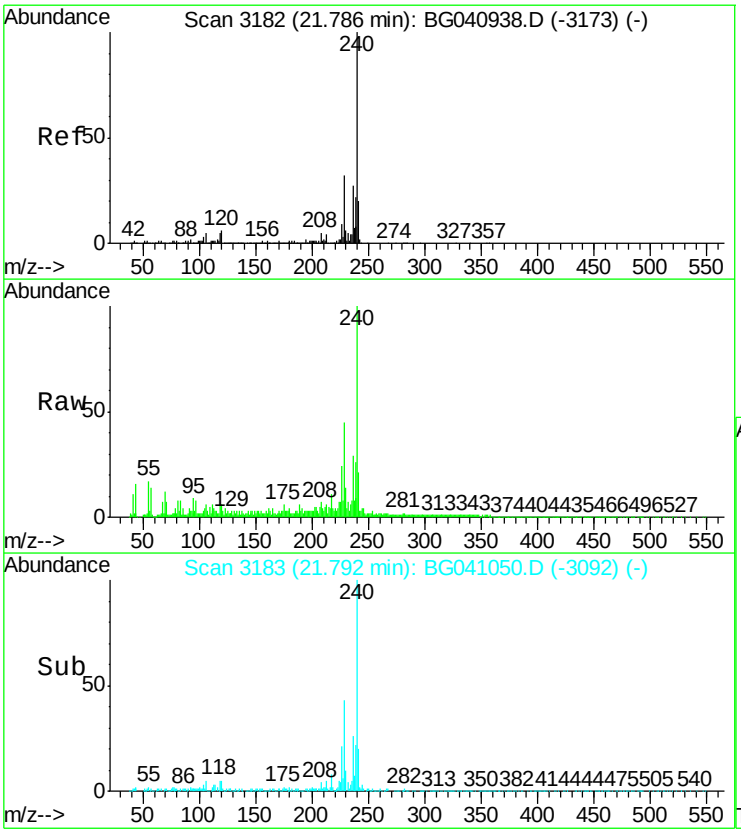
Tgt Ion:202 Resp: 1171229

Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	26.2
203	20.4	0.0	38.7



Instrument :
BNA_G
ClientSampleId :
101-102

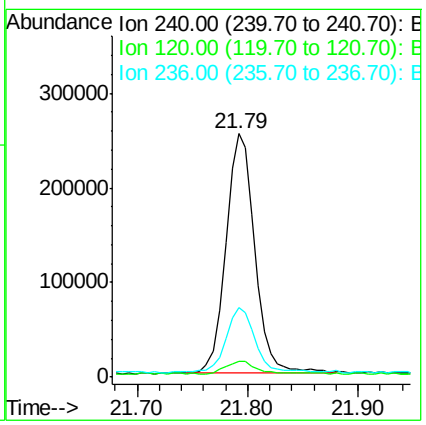
Manual Integrations APPROVED
mohammad
6/5/2019 8:35:40 AM

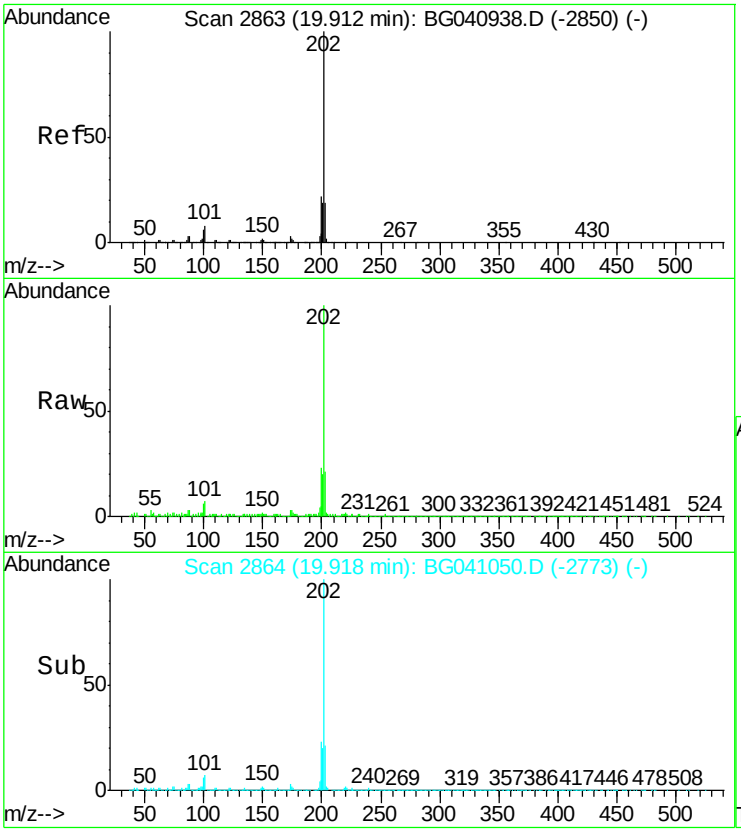


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:240 Resp: 464135

Ion	Ratio	Lower	Upper
240	100		
120	6.4	4.5	6.7
236	28.6	21.3	31.9

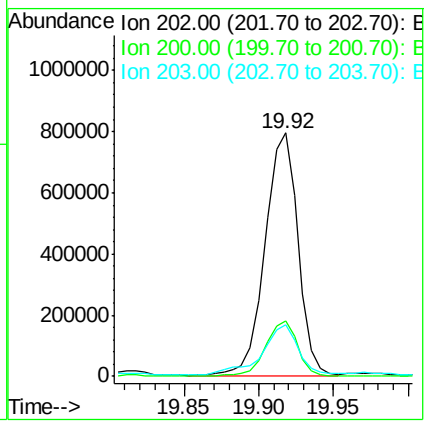




#78
Pyrene
Concen: 39.958 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:202 Resp: 1205610

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.5	26.3
203	21.0	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
101-102

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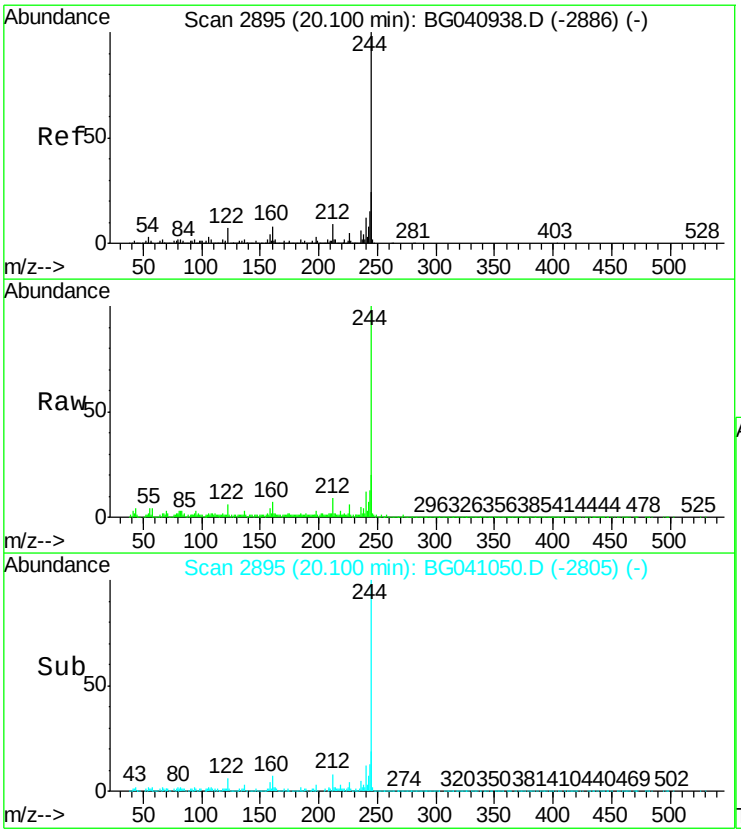
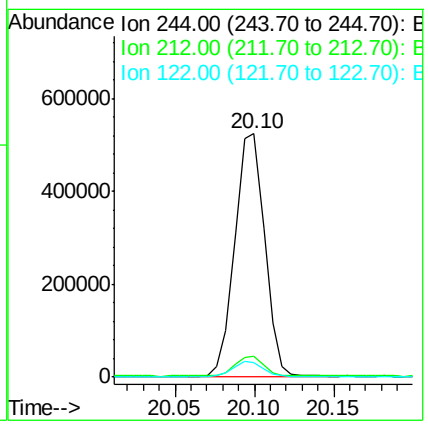
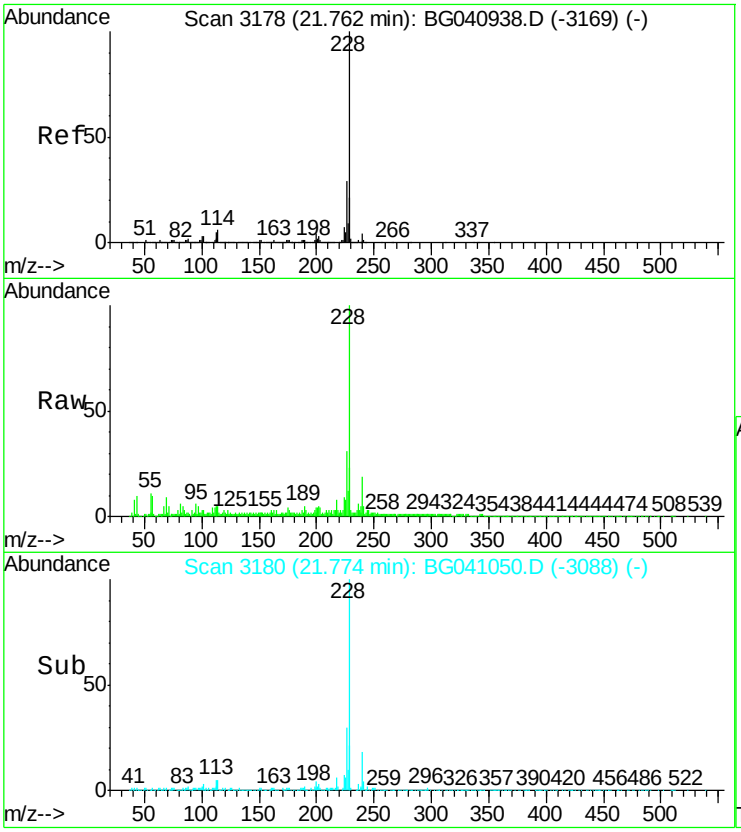


#79
Terphenyl-d14
Concen: 31.181 ng
RT: 20.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:244 Resp: 681906

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	6.0	5.4	8.0

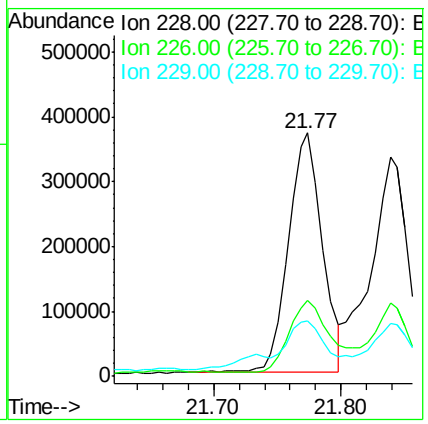




#81
Benzo(a)anthracene
Concen: 22.303 ng
RT: 21.77 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:228 Resp: 689071

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.5	35.3
229	23.0	16.7	25.1



Instrument :
BNA_G
ClientSampleId :
101-102

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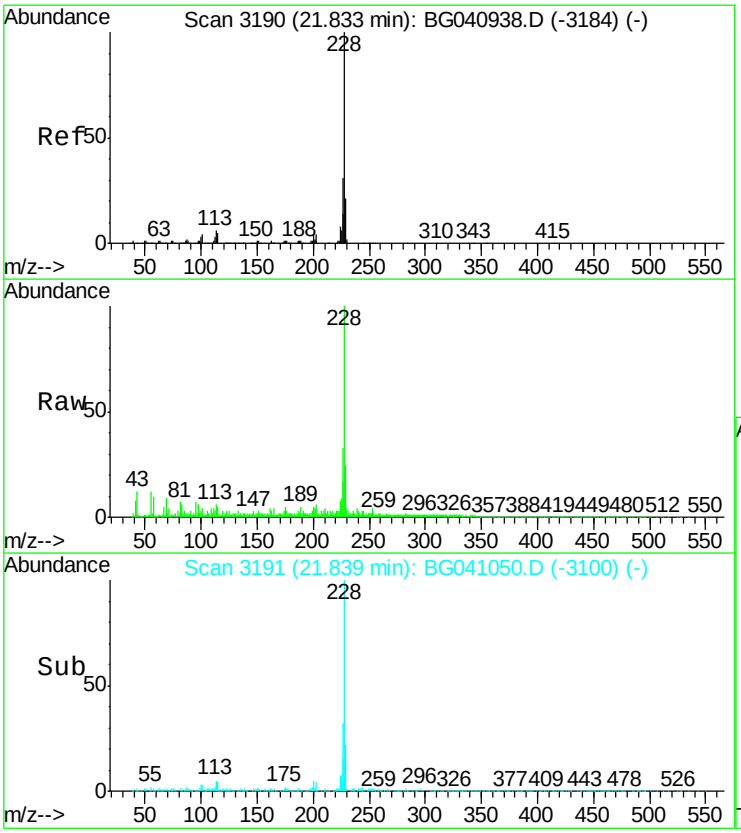
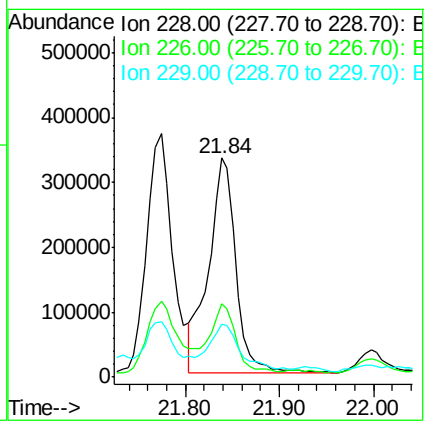
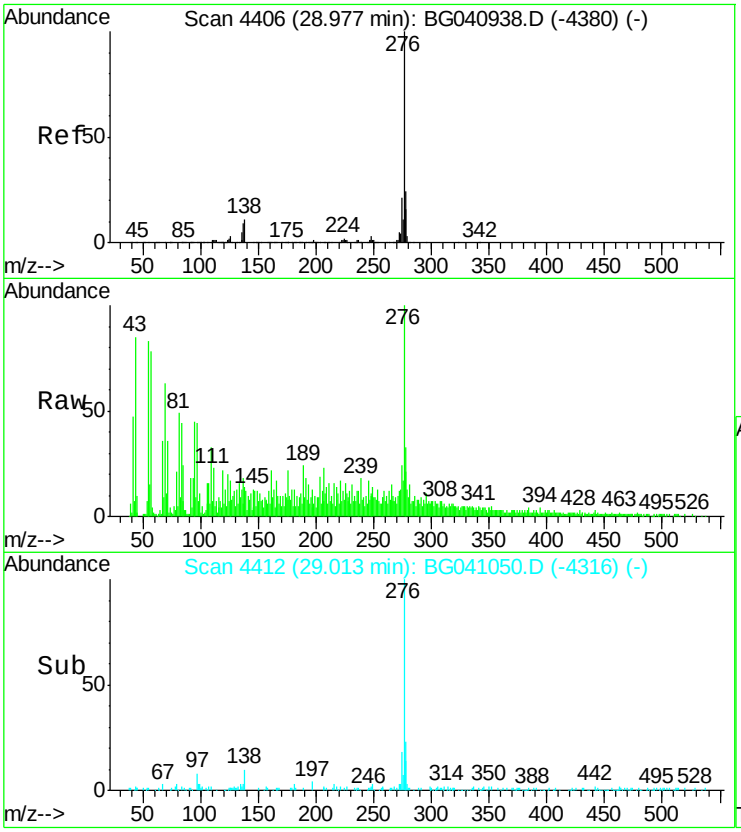


#83
Chrysene
Concen: 23.162 ng
RT: 21.84 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:228 Resp: 684818

Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.6	37.0
229	24.2	16.6	24.8

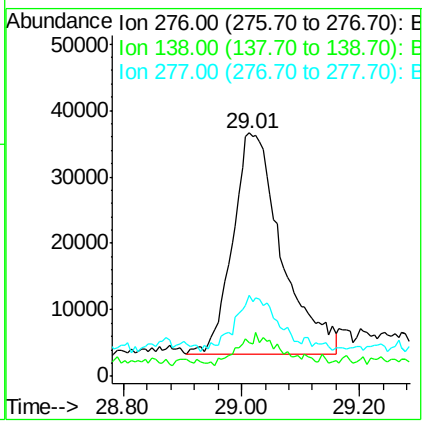




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.264 ng
RT: 29.01 min Scan# 4412
Delta R.T. 0.04 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:276 Resp: 190637

Ion	Ratio	Lower	Upper
276	100		
138	9.7	5.7	8.5#
277	22.2	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
101-102

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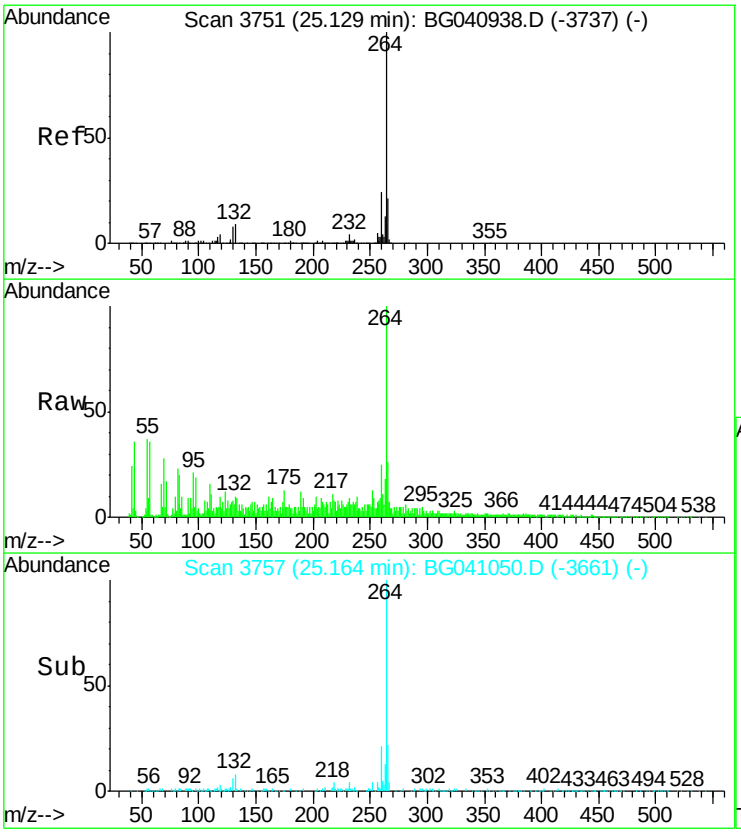
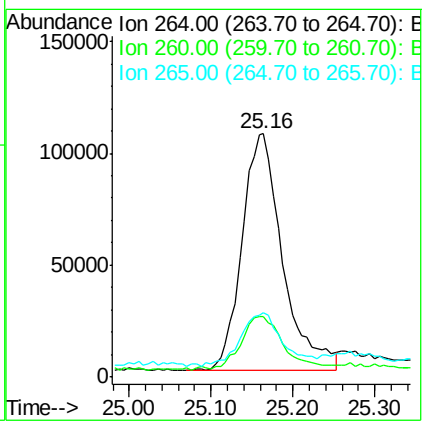
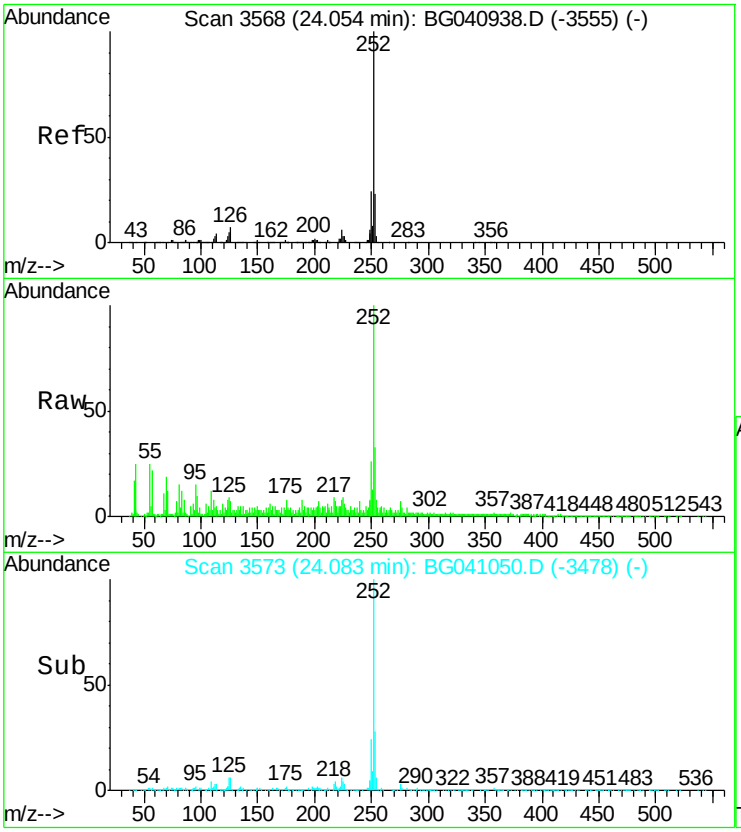


#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. 0.04 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:264 Resp: 366071

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.4
265	26.3	17.0	25.4#

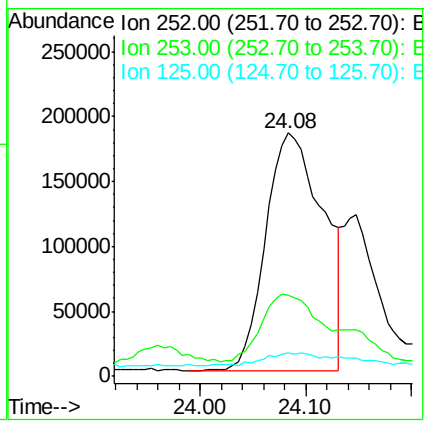




#88
Benzo(b)fluoranthene
Concen: 31.125 ng
RT: 24.08 min Scan# 3573
Delta R.T. 0.03 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:252 Resp: 691080

Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.4	27.6#
125	9.4	4.3	6.5#



Instrument :
BNA_G
ClientSampleId :
101-102

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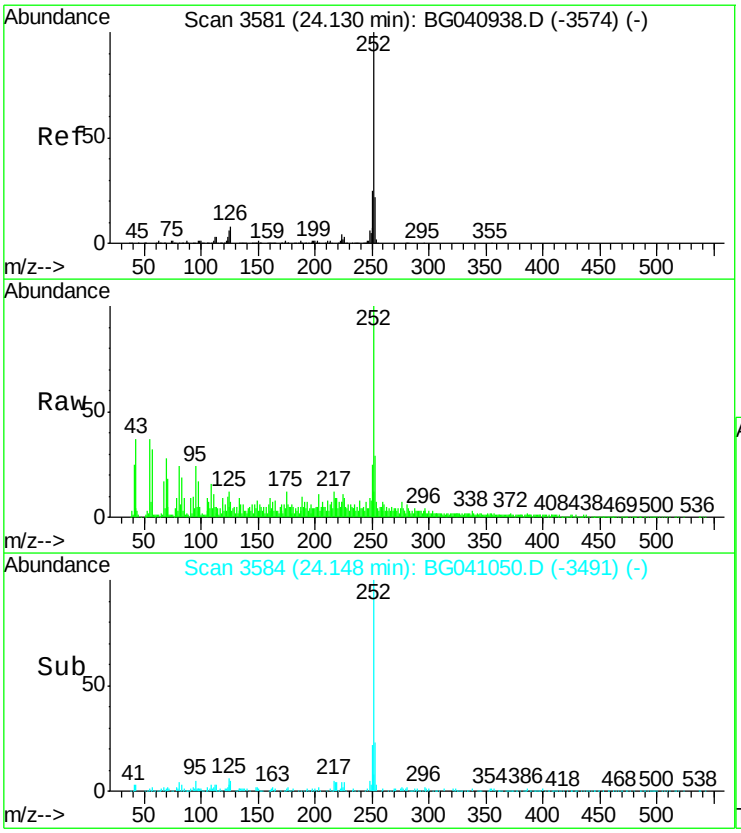
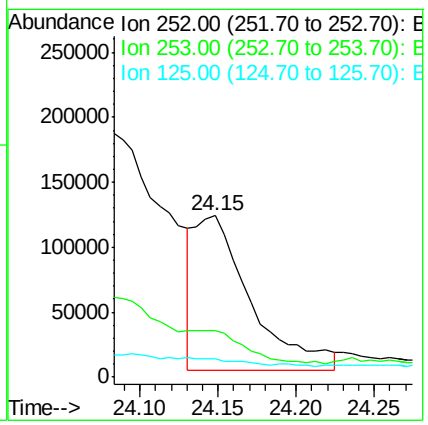
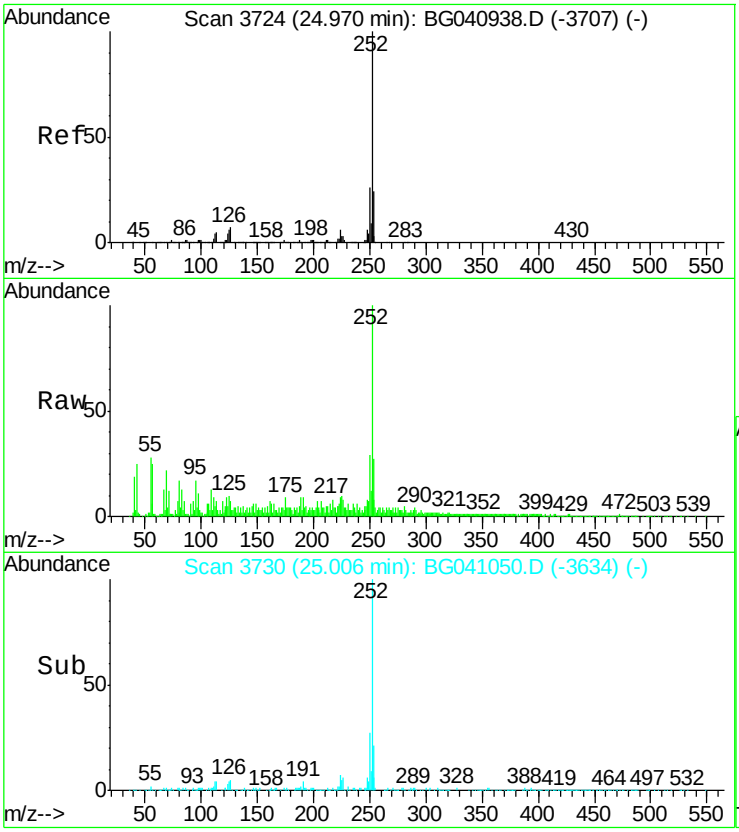


#89
Benzo(k)fluoranthene
Concen: 13.558 ng m
RT: 24.15 min Scan# 3584
Delta R.T. 0.02 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:252 Resp: 297896

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.6#
125	11.6	4.7	7.1#

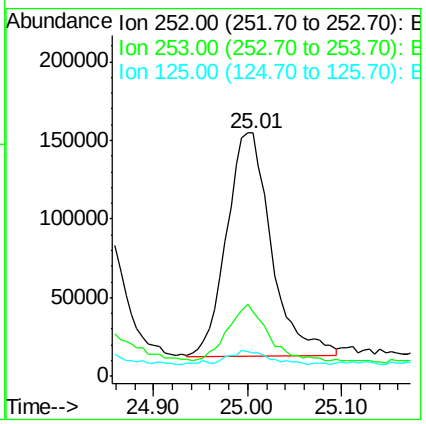




#90
Benzo(a)pyrene
Concen: 22.214 ng
RT: 25.01 min Scan# 3730
Delta R.T. 0.04 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:252 Resp: 470582

Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.5	29.3
125	9.5	5.1	7.7#



Instrument :
BNA_G
ClientSampleId :
101-102

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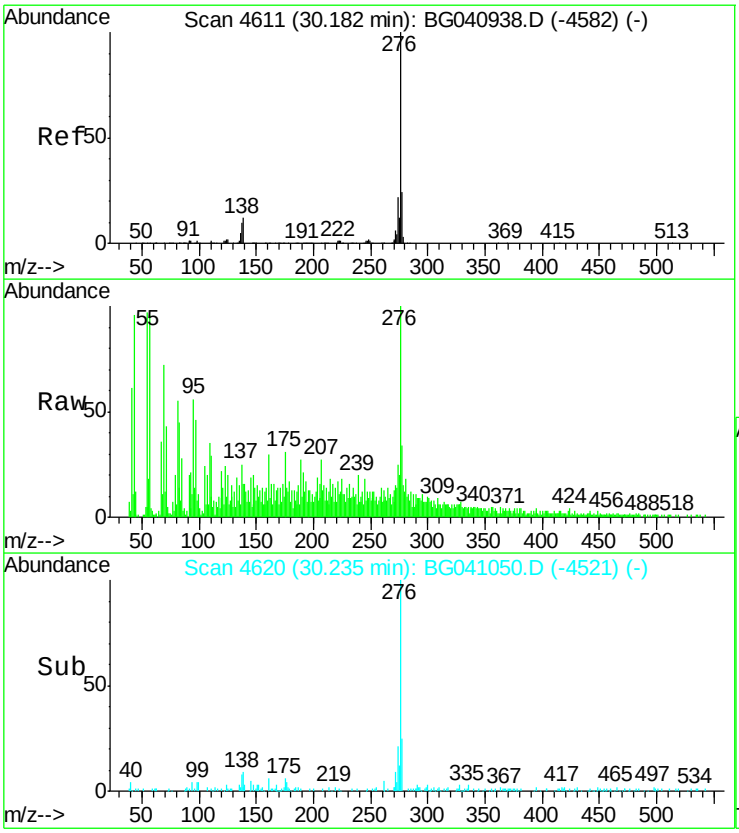

#92
Benzo(g,h,i)perylene
Concen: 6.789 ng
RT: 30.23 min Scan# 4620
Delta R.T. 0.05 min
Lab File: BG041050.D
Acq: 4 Jun 2019 1:07

Tgt Ion:276 Resp: 139615

Ion	Ratio	Lower	Upper
276	100		
277	34.4	19.4	29.0#
138	15.8	9.7	14.5#