Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041051.D
Acq On : 4 Jun 2019 1:45
Operator : HP/JU
Sample : K2641-17 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

Manual Integrations APPROVED
mohammad
6/5/2019 8:35:42 AM

Quant Time: Jun 04 10:05:53 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	75268	20.00	ng		0.00
21) Naphthalene-d8	10.95	136	294305	20.00	ng		0.00
39) Acenaphthene-d10	14.76	164	181814	20.00	ng		0.00
64) Phenanthrene-d10	17.50	188	390639	20.00	ng		0.00
76) Chrysene-d12	21.79	240	402125	20.00	ng		0.00
87) Perylene-d12	25.13	264	275882	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	147471	35.33	ng		0.00
7) Phenol-d6	7.27	99	214341	33.25	ng		0.00
23) Nitrobenzene-d5	9.30	82	152255	22.97	ng		0.00
42) 2,4,6-Tribromophenol	16.24	330	90690	33.60	ng		0.00
45) 2-Fluorobiphenyl	13.38	172	311975	24.71	ng		0.00
79) Terphenyl-d14	20.10	244	431640	22.78	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.54	178	123330	6.061	ng		98
75) Fluoranthene	19.55	202	192960	7.678	ng		98
78) Pyrene	19.91	202	214877	8.220	ng		99
81) Benzo(a)anthracene	21.77	228	131289	4.905	ng	#	94
83) Chrysene	21.84	228	130148	5.081	ng	#	95
88) Benzo(b)fluoranthene	24.07	252	97039	5.799	ng	#	70
89) Benzo(k)fluoranthene	24.11	252	75344m	4.550	ng		
90) Benzo(a)pyrene	24.98	252	69491	4.353	ng	#	77

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041051.D
Acq On : 4 Jun 2019 1:45
Operator : HP/JU
Sample : K2641-17 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 04 10:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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Instrument :
BNA_G
ClientSampleId :
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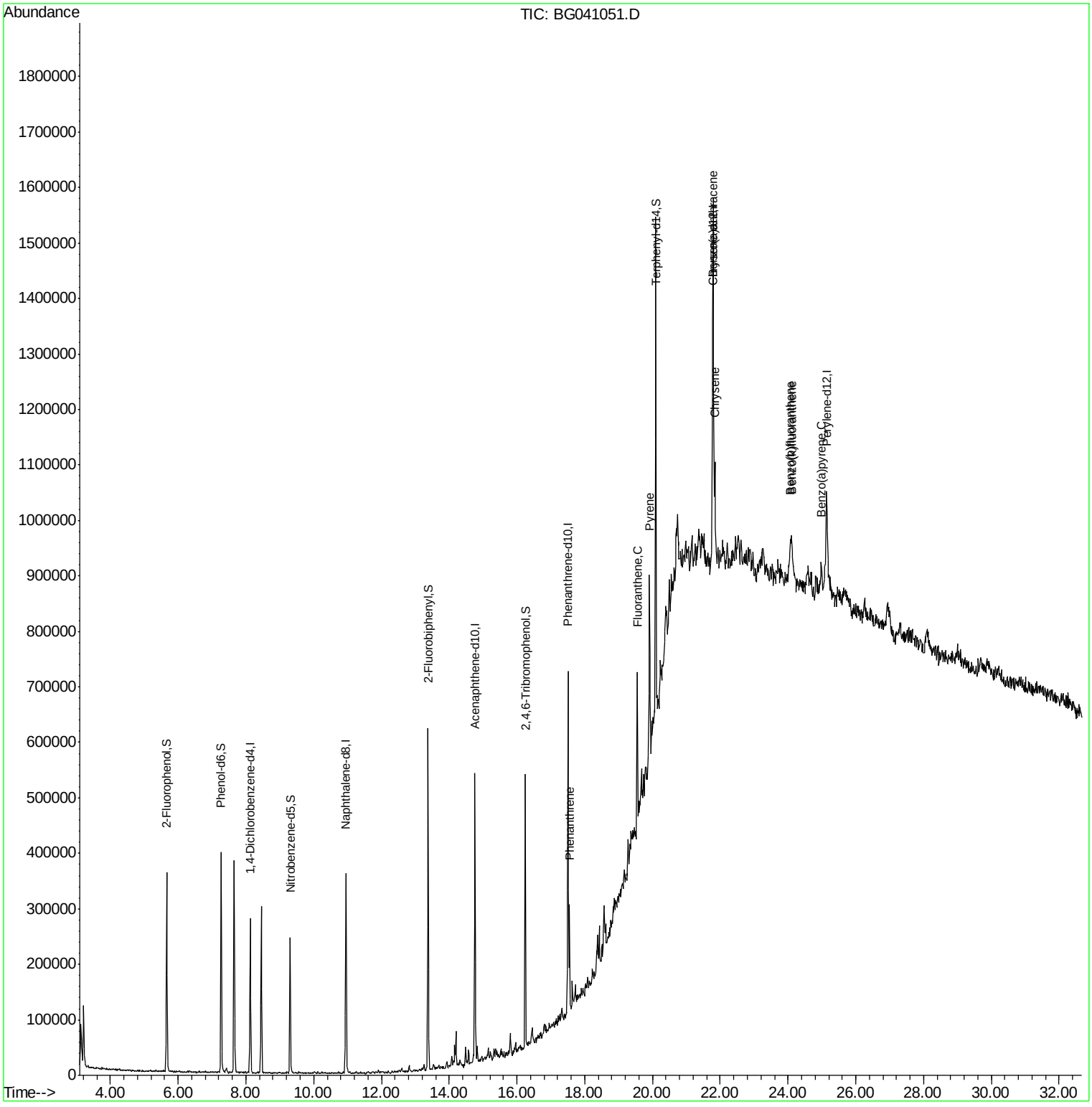
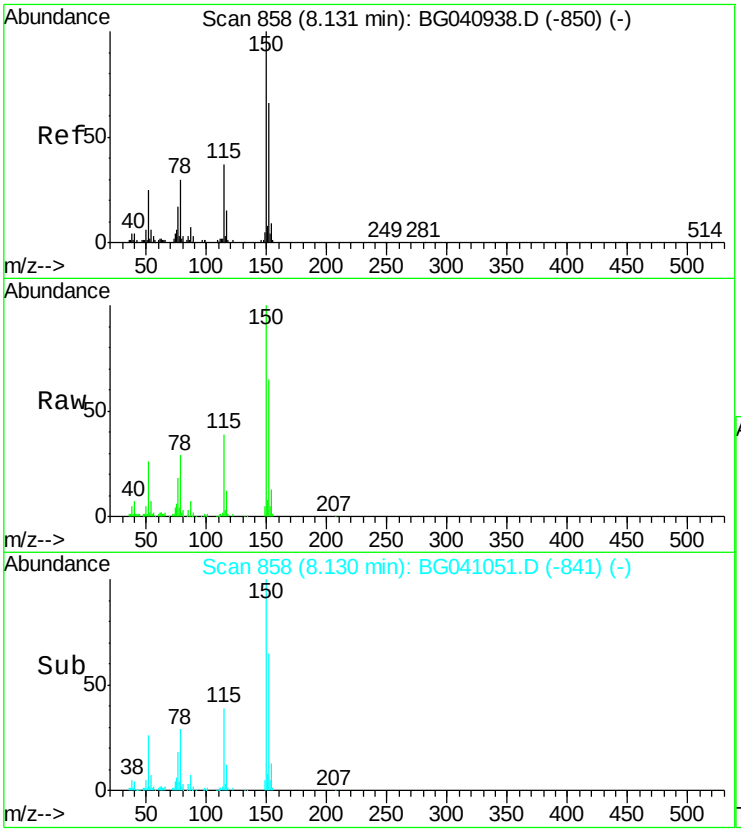
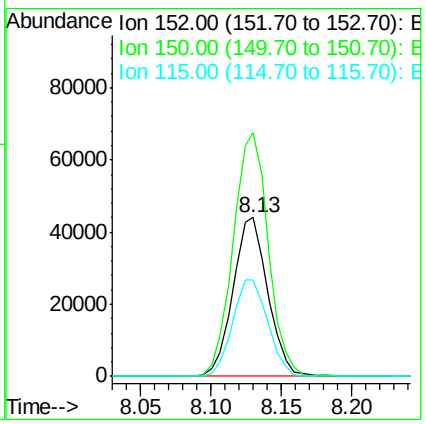




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:152 Resp: 75268

Ion	Ratio	Lower	Upper
152	100		
150	153.4	120.6	180.8
115	60.5	45.1	67.7



Instrument :
BNA_G
ClientSampleId :
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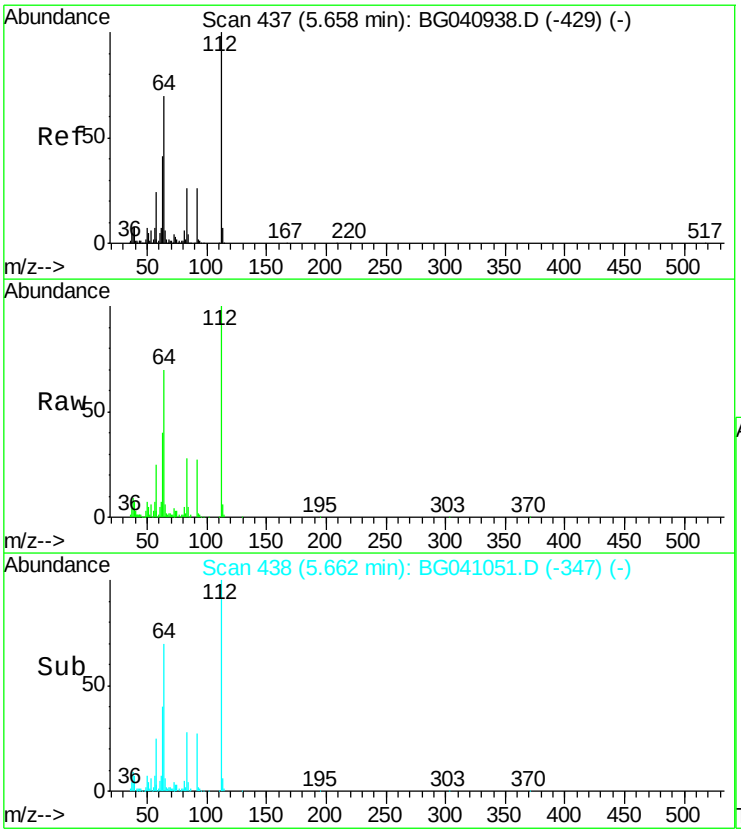
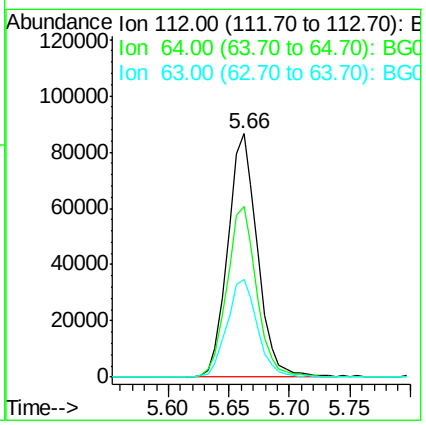
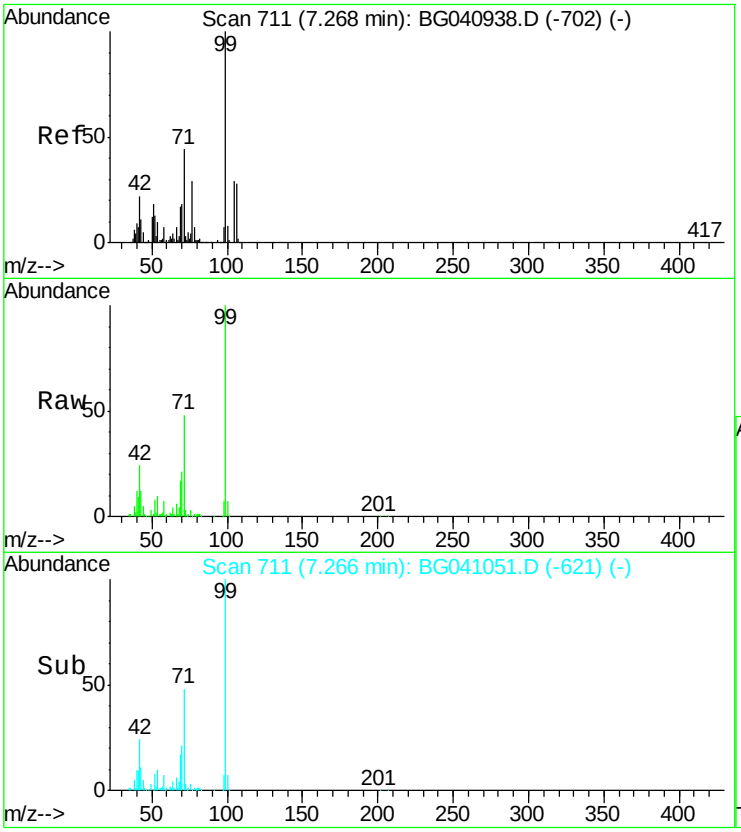


#5
2-Fluorophenol
Concen: 35.330 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:112 Resp: 147471

Ion	Ratio	Lower	Upper
112	100		
64	70.0	56.2	84.2
63	40.1	32.8	49.2

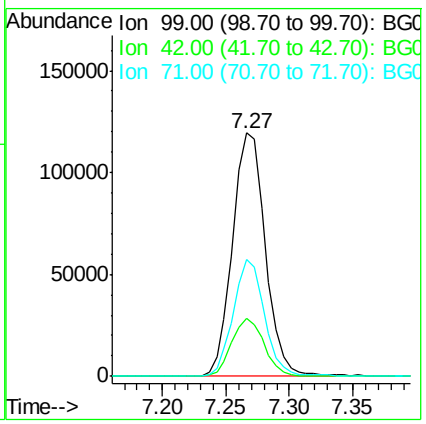




#7
Phenol-d6
Concen: 33.249 ng
RT: 7.27 min Scan# 711
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion: 99 Resp: 214341

Ion	Ratio	Lower	Upper
99	100		
42	24.1	17.9	26.9
71	48.0	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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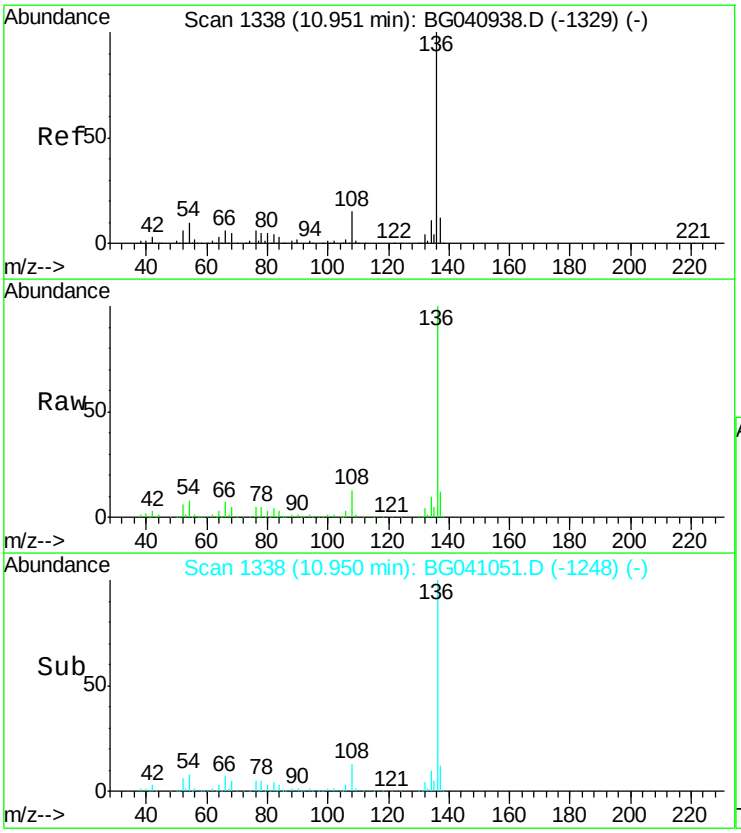
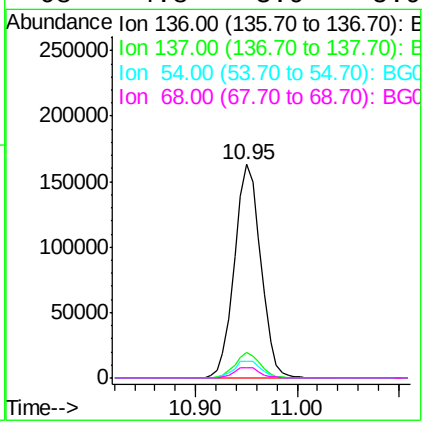
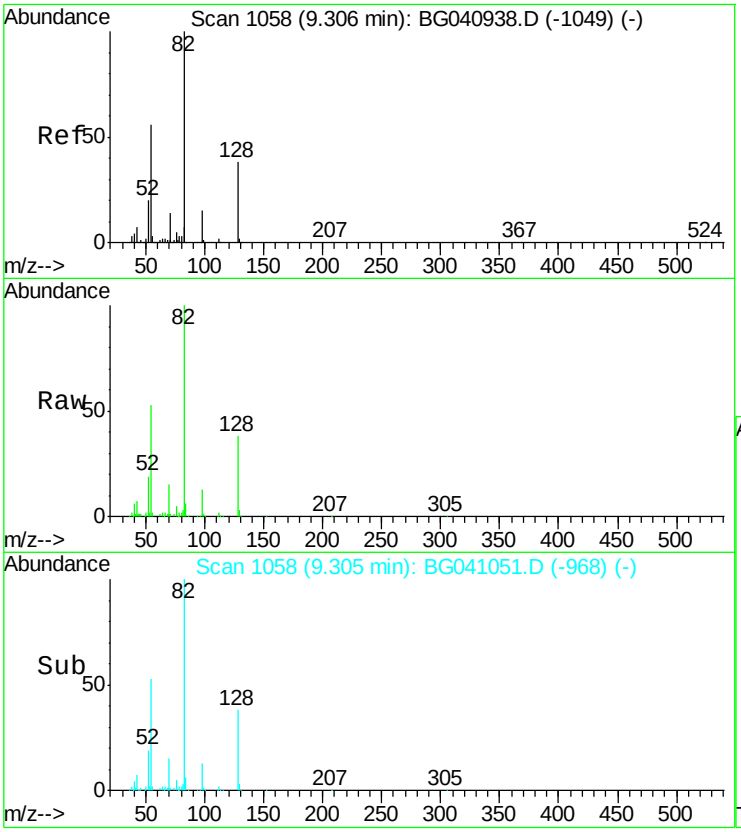


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:136 Resp: 294305

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.6	11.4
68	4.8	3.9	5.9

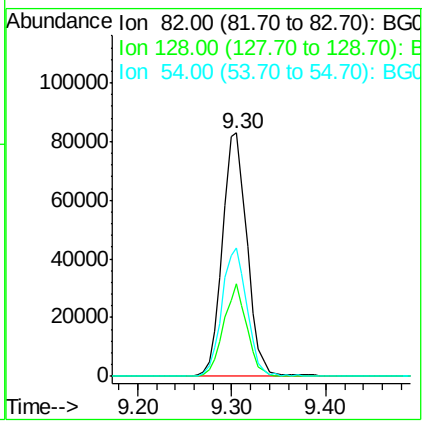




#23
Nitrobenzene-d5
Concen: 22.966 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion: 82 Resp: 152255

Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.5	45.7
54	52.5	44.6	66.8



Instrument :
BNA_G
ClientSampleId :
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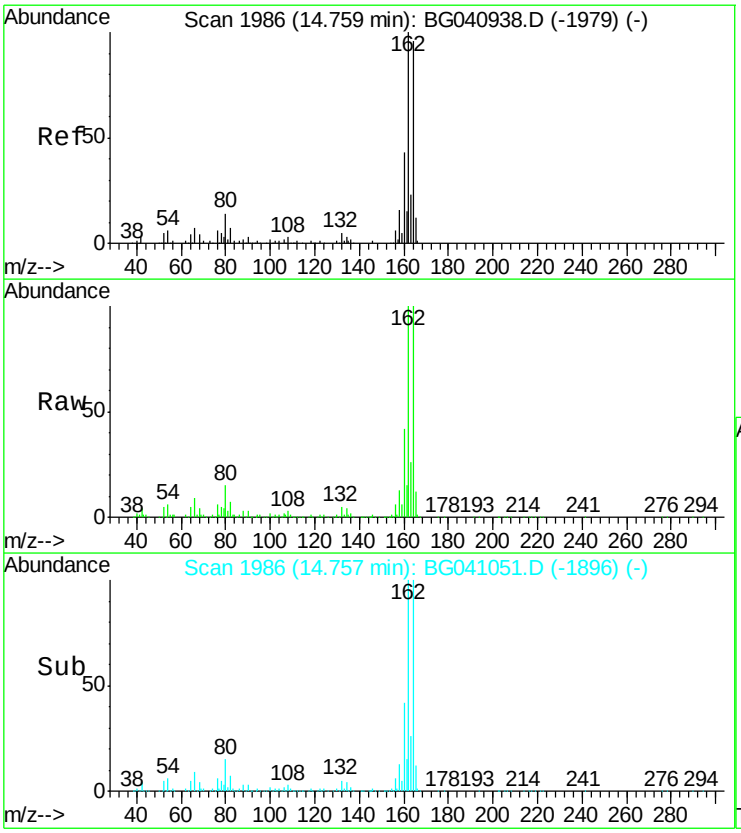
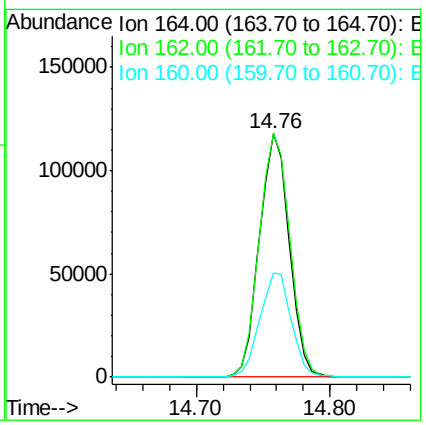
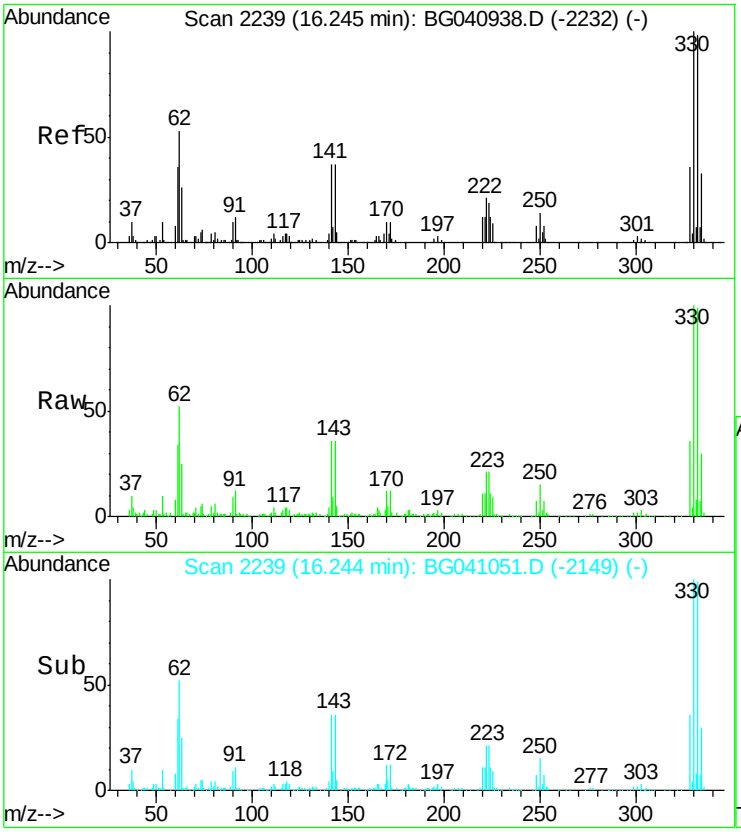


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:164 Resp: 181814

Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.0	124.4
160	42.5	35.6	53.4





#42
2,4,6-Tribromophenol
Concen: 33.599 ng
RT: 16.24 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:330 Resp: 90690

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.5	117.7
141	37.7	28.7	43.1

Instrument :
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ClientSampleId :
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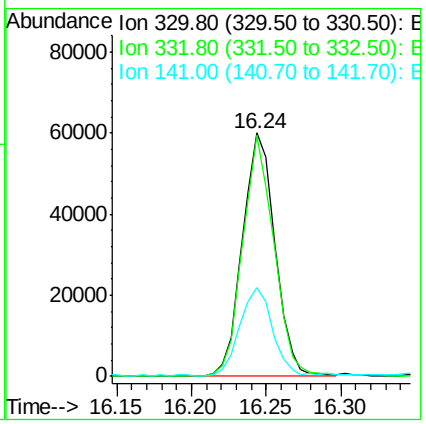
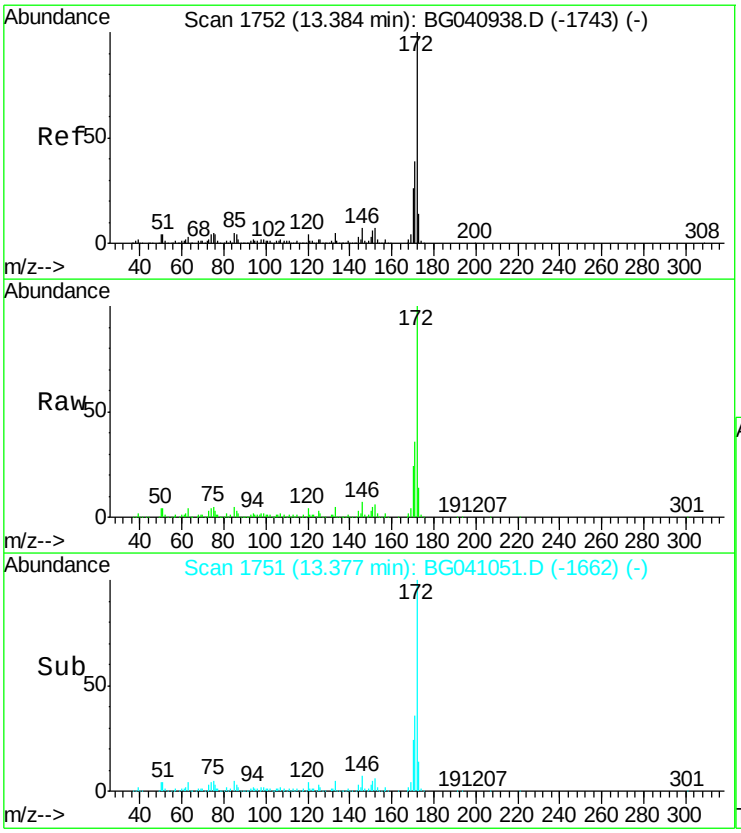
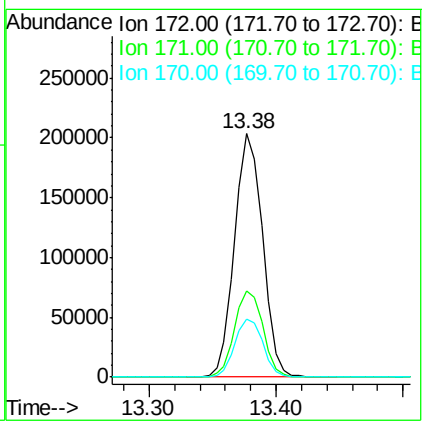


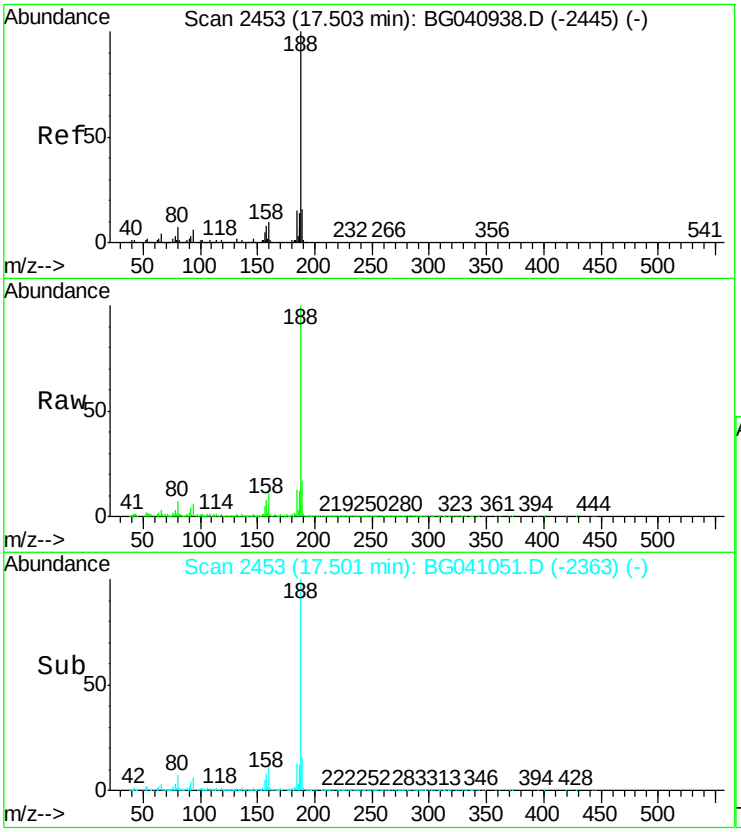


#45
2-Fluorobiphenyl
Concen: 24.711 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:172 Resp: 311975

Ion	Ratio	Lower	Upper
172	100		
171	35.6	31.1	46.7
170	23.9	20.5	30.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:188 Resp: 390639

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.6	5.8	8.8

Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

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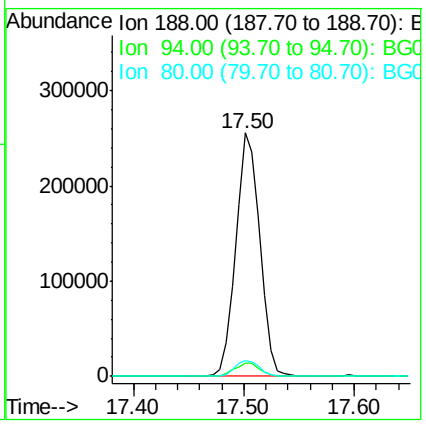
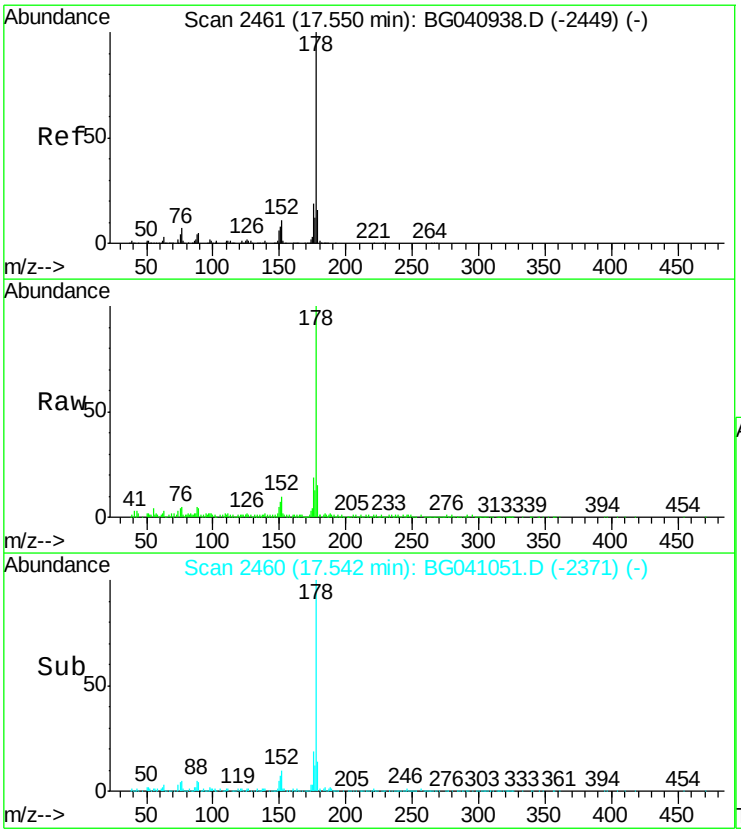
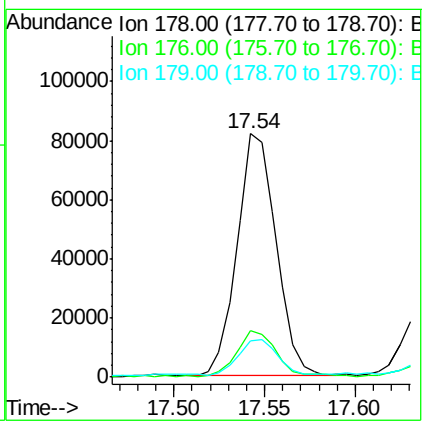


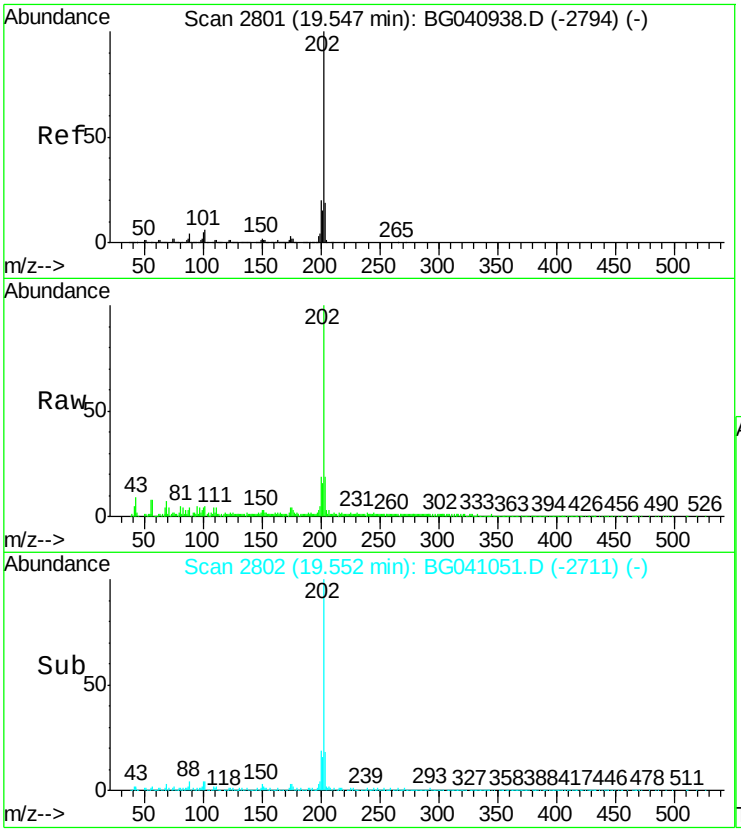


#71
Phenanthrene
Concen: 6.061 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:178 Resp: 123330

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.0	12.7	19.1

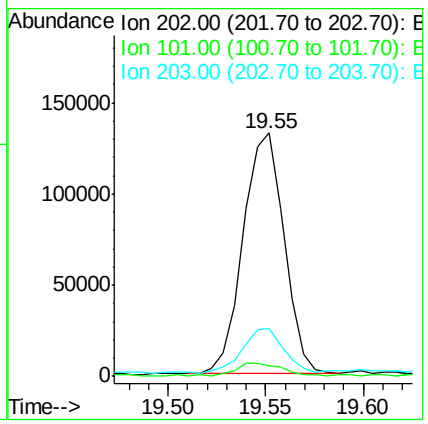




#75
Fluoranthene
Concen: 7.678 ng
RT: 19.55 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:202 Resp: 192960

Ion	Ratio	Lower	Upper
202	100		
101	4.6	0.0	26.2
203	19.4	0.0	38.7



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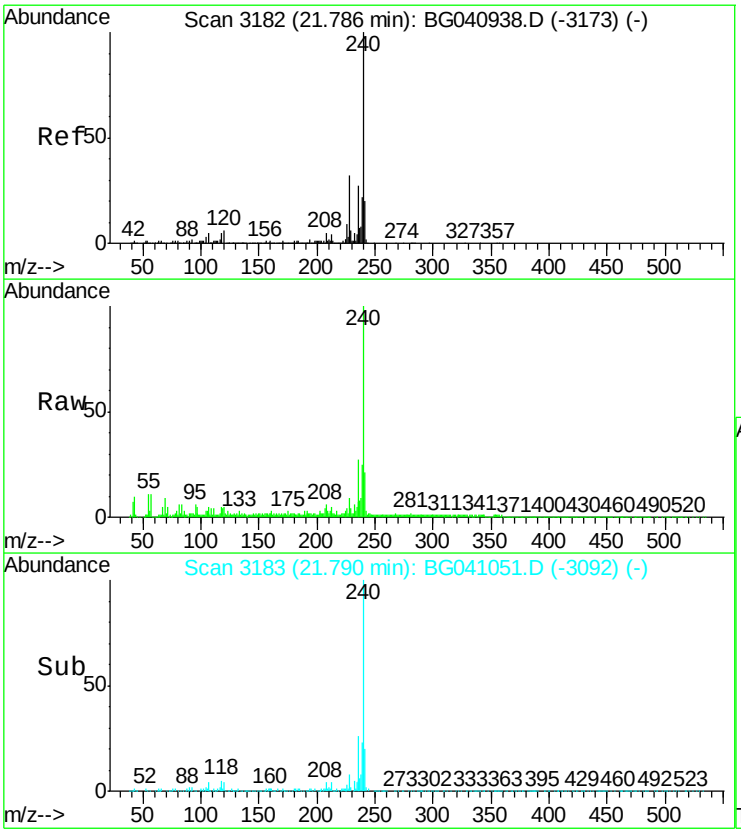
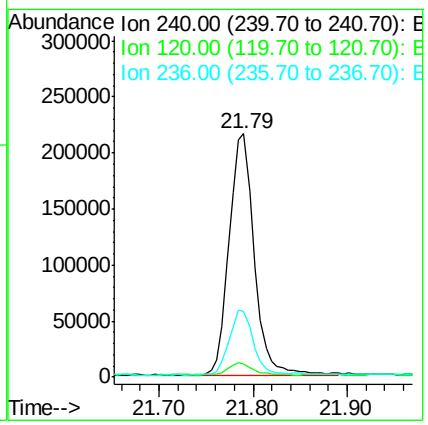
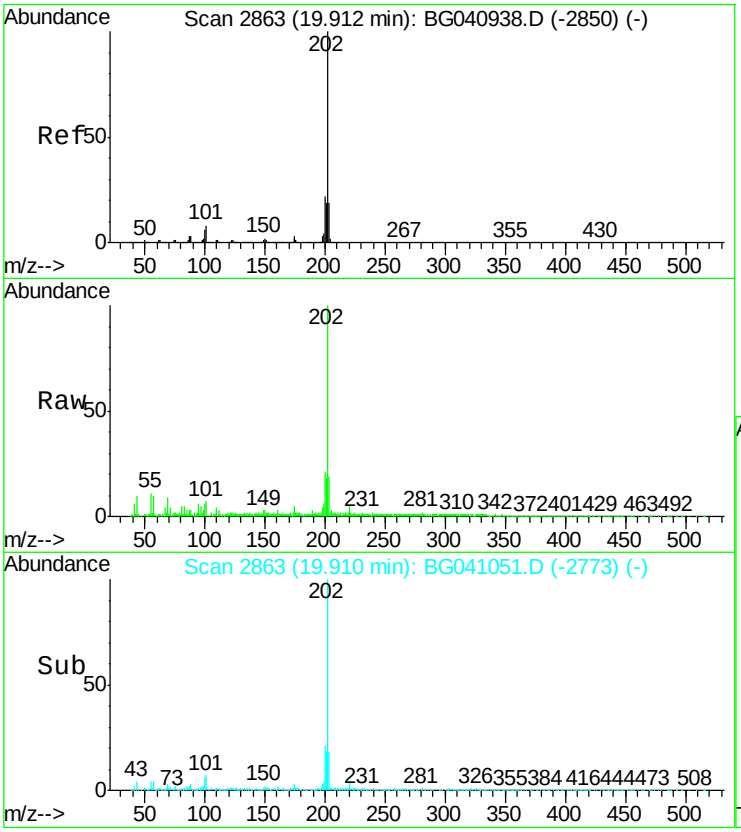


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:240 Resp: 402125

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.5	6.7
236	27.2	21.3	31.9

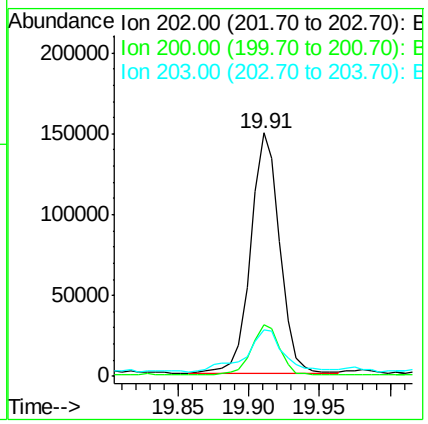




#78
Pyrene
Concen: 8.220 ng
RT: 19.91 min Scan# 2863
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:202 Resp: 214877

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.5	26.3
203	18.9	15.6	23.4



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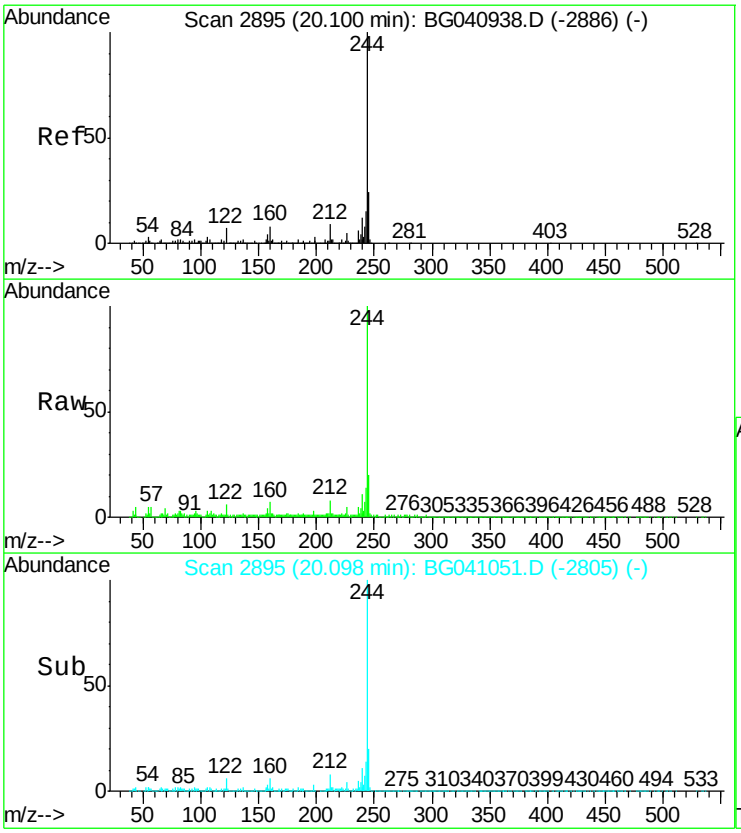
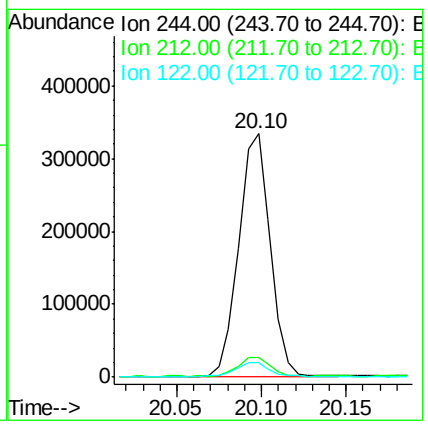
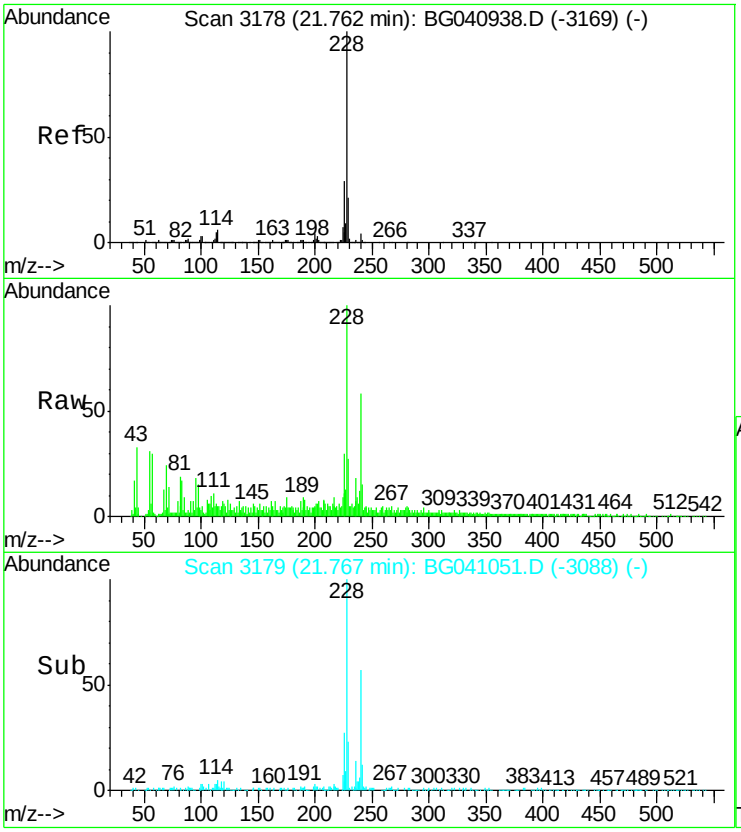


#79
Terphenyl-d14
Concen: 22.781 ng
RT: 20.10 min Scan# 2895
Delta R.T. -0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:244 Resp: 431640

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	5.7	5.4	8.0

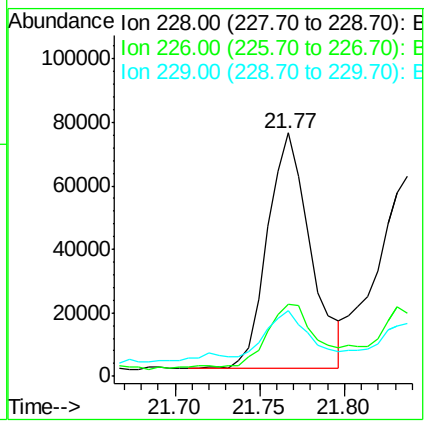




#81
Benzo(a)anthracene
Concen: 4.905 ng
RT: 21.77 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:228 Resp: 131289

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	26.9	16.7	25.1#



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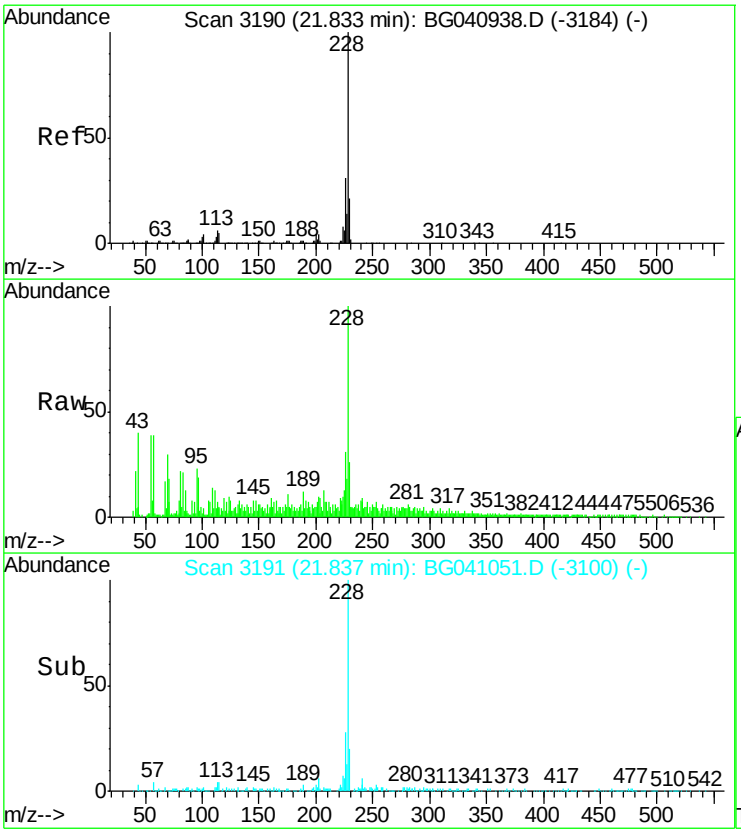
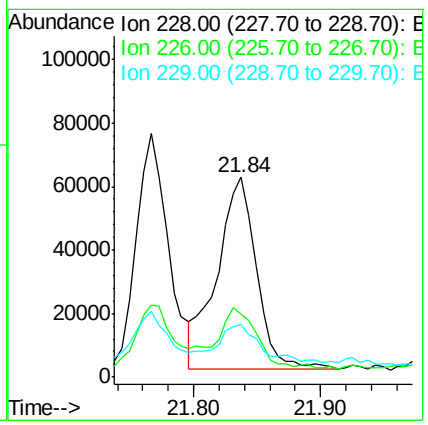
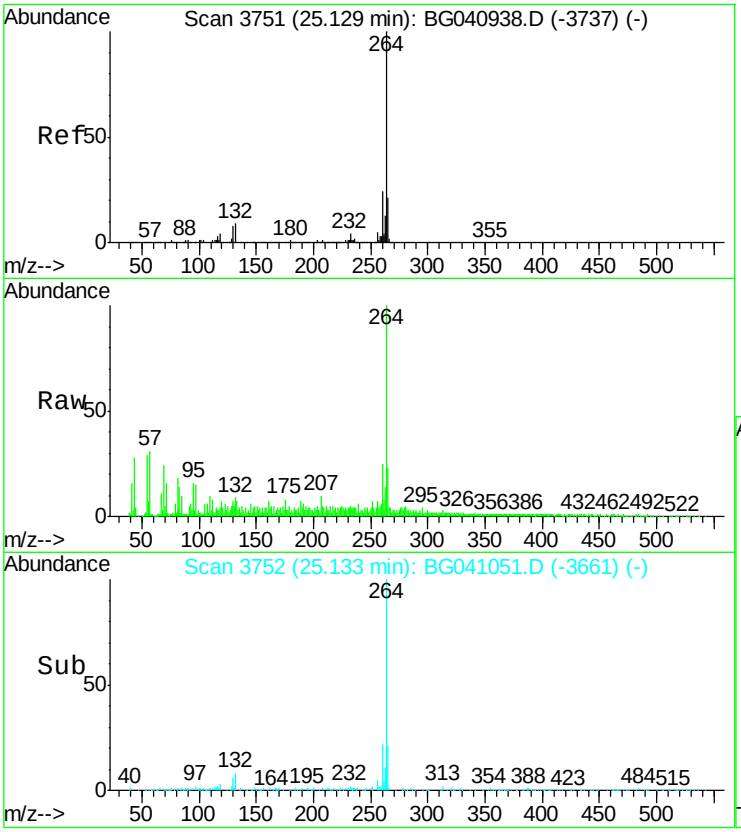


#83
Chrysene
Concen: 5.081 ng
RT: 21.84 min Scan# 3191
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:228 Resp: 130148

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.6	37.0
229	26.2	16.6	24.8#





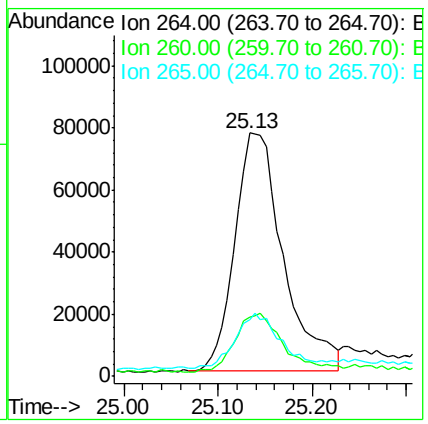
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.13 min Scan# 3752
Delta R.T. 0.00 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

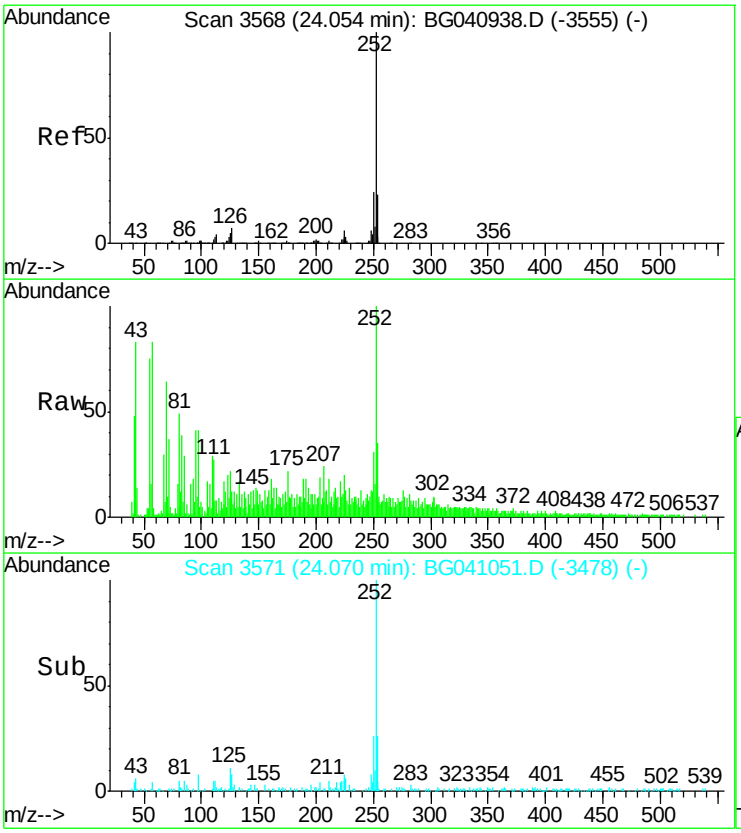
Tgt Ion:264 Resp: 275882

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	23.5	17.0	25.4

Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

Manual Integrations APPROVED
mohammad
6/5/2019 8:35:42 AM

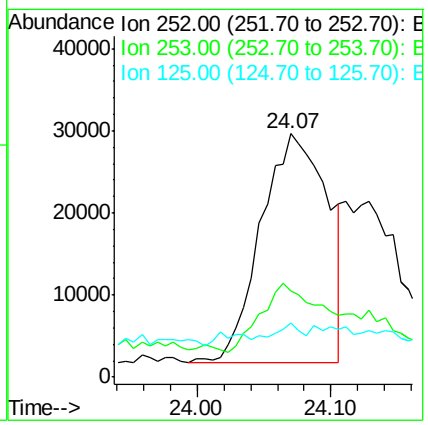


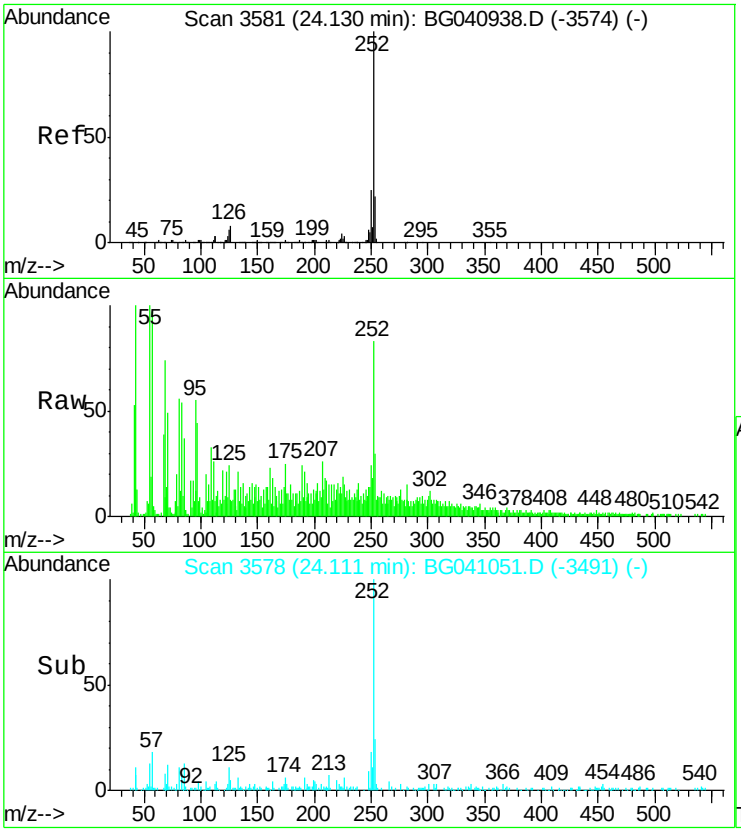


#88
Benzo(b)fluoranthene
Concen: 5.799 ng
RT: 24.07 min Scan# 3571
Delta R.T. 0.02 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:252 Resp: 97039

Ion	Ratio	Lower	Upper
252	100		
253	35.4	18.4	27.6#
125	22.1	4.3	6.5#

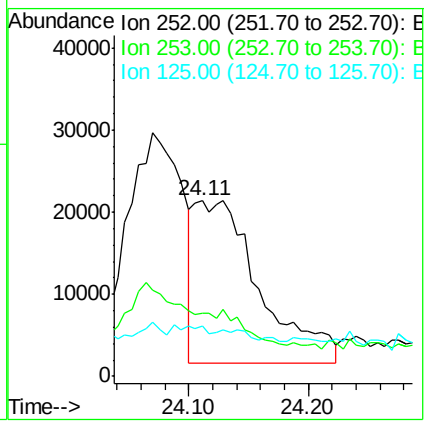




#89
Benzo(k)fluoranthene
Concen: 4.550 ng m
RT: 24.11 min Scan# 3578
Delta R.T. -0.02 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

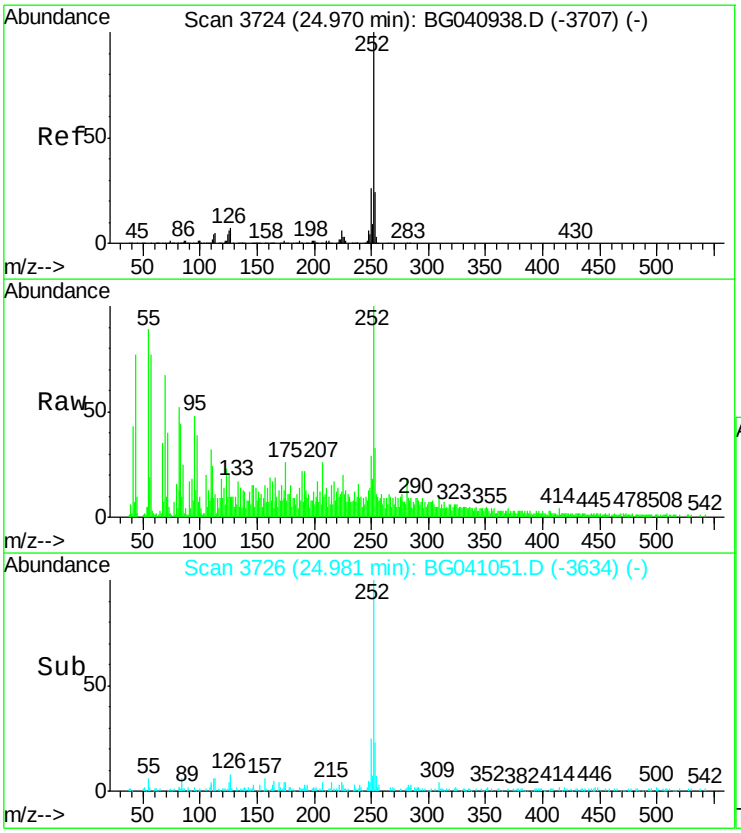
Tgt Ion:252 Resp: 75344

Ion	Ratio	Lower	Upper
252	100		
253	36.2	17.8	26.6#
125	28.8	4.7	7.1#



Instrument :
BNA_G
ClientSampleId :
CL-02-053119-C

Manual Integrations APPROVED
mohammad
6/5/2019 8:35:42 AM



#90
Benzo(a)pyrene
Concen: 4.353 ng
RT: 24.98 min Scan# 3726
Delta R.T. 0.01 min
Lab File: BG041051.D
Acq: 4 Jun 2019 1:45

Tgt Ion:252 Resp: 69491

Ion	Ratio	Lower	Upper
252	100		
253	33.3	19.5	29.3#
125	20.1	5.1	7.7#