Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042694.D
Acq On : 3 Sep 2019 18:29
Operator : HP/JU
Sample : K4603-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
mohammad
9/6/2019 8:17:35 AM

Quant Time: Sep 04 10:50:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33298	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	133385	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104779	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	242533	20.00	ng	0.00
76) Chrysene-d12	21.69	240	261860	20.00	ng	0.00
87) Perylene-d12	24.92	264	314447	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	151617	92.22	ng	0.00
7) Phenol-d6	7.16	99	209517	94.34	ng	0.00
23) Nitrobenzene-d5	9.17	82	119213	61.76	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	144110	96.77	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	363046	58.60	ng	0.00
79) Terphenyl-d14	20.02	244	647729	53.48	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.19	94	5854	2.593	ng	# 70
50) Dimethylphthalate	14.11	163	31509	4.168	ng	99
71) Phenanthrene	17.45	178	147779	12.267	ng	99
72) Anthracene	17.54	178	41846	3.479	ng	98
75) Fluoranthene	19.47	202	309779	21.070	ng	95
78) Pyrene	19.82	202	251471	15.664	ng	96
81) Benzo(a)anthracene	21.66	228	121732	7.642	ng	96
83) Chrysene	21.73	228	90813	5.911	ng	99
88) Benzo(b)fluoranthene	23.90	252	110221m	6.376	ng	
89) Benzo(k)fluoranthene	23.96	252	38587m	2.322	ng	
90) Benzo(a)pyrene	24.77	252	79452m	4.843	ng	
92) Benzo(g,h,i)perylene	29.80	276	33675m	2.027	ng	

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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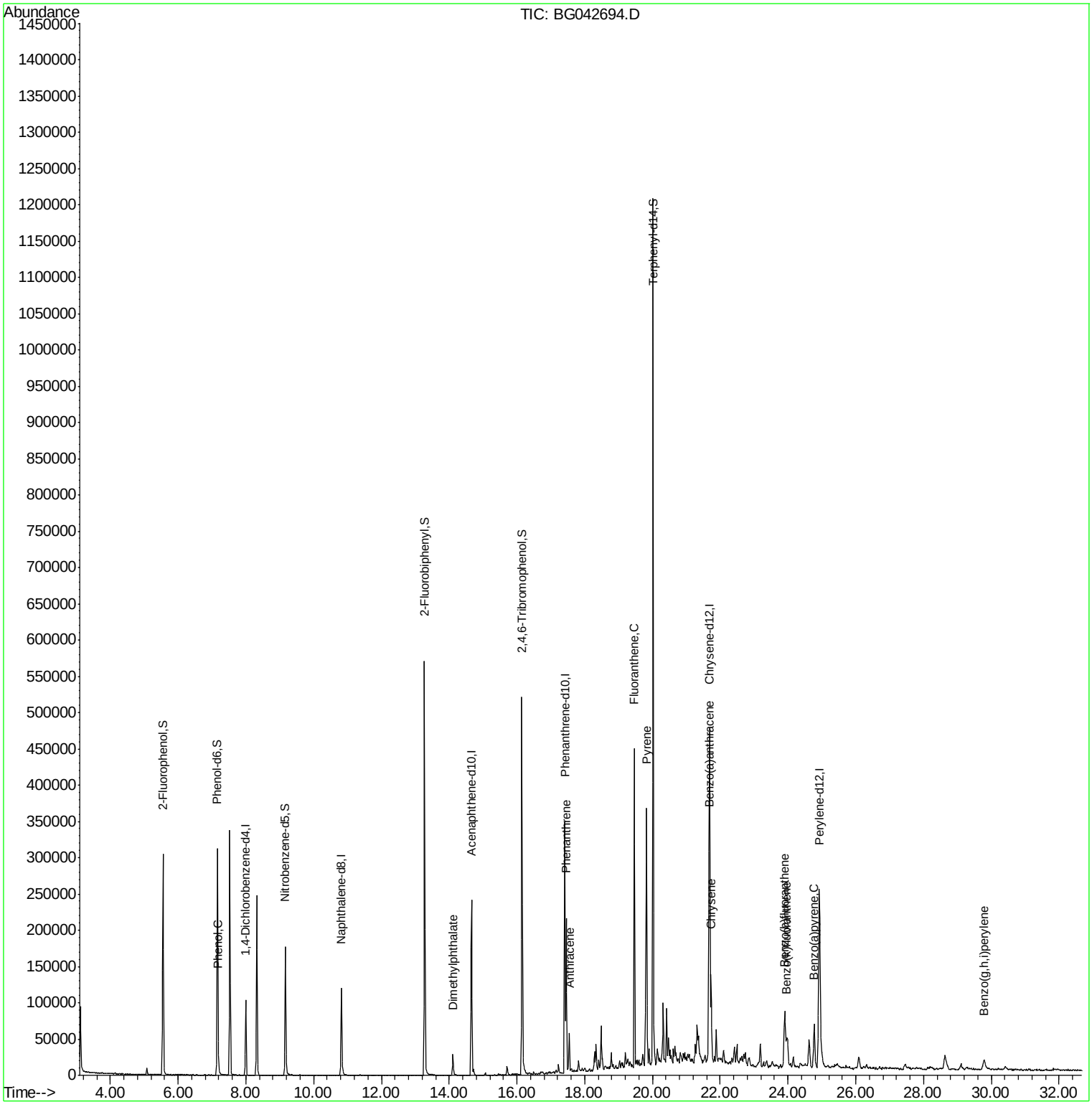
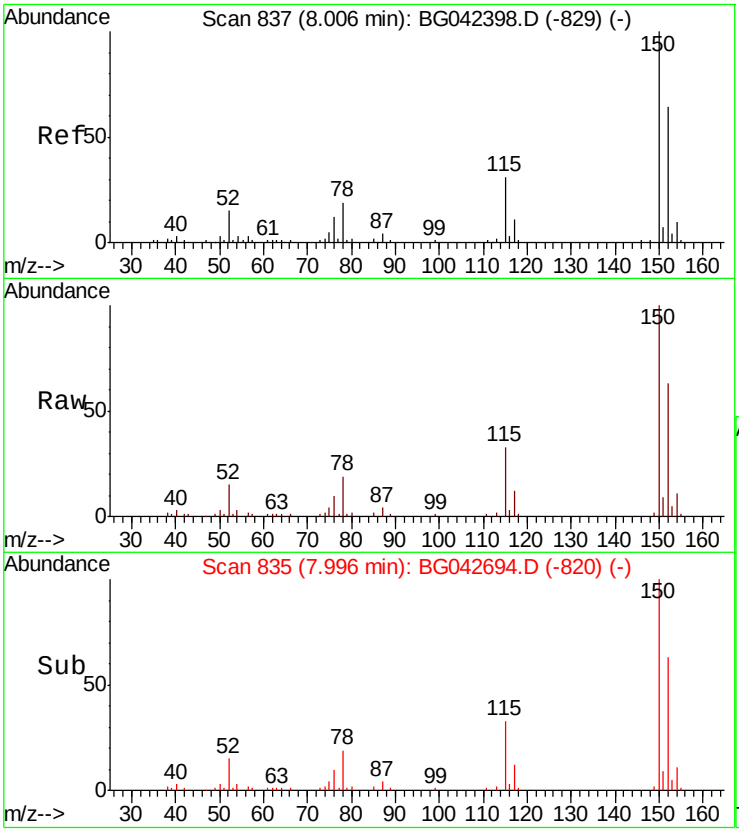
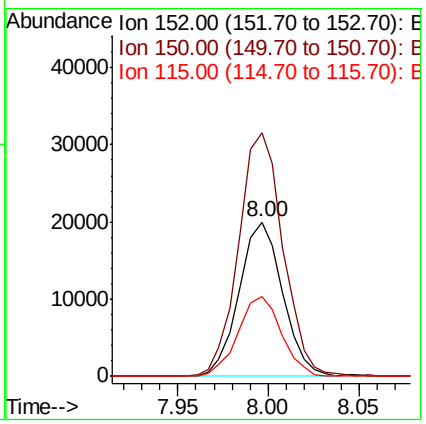




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:152 Resp: 33298

Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.4	188.0
115	51.9	38.5	57.7



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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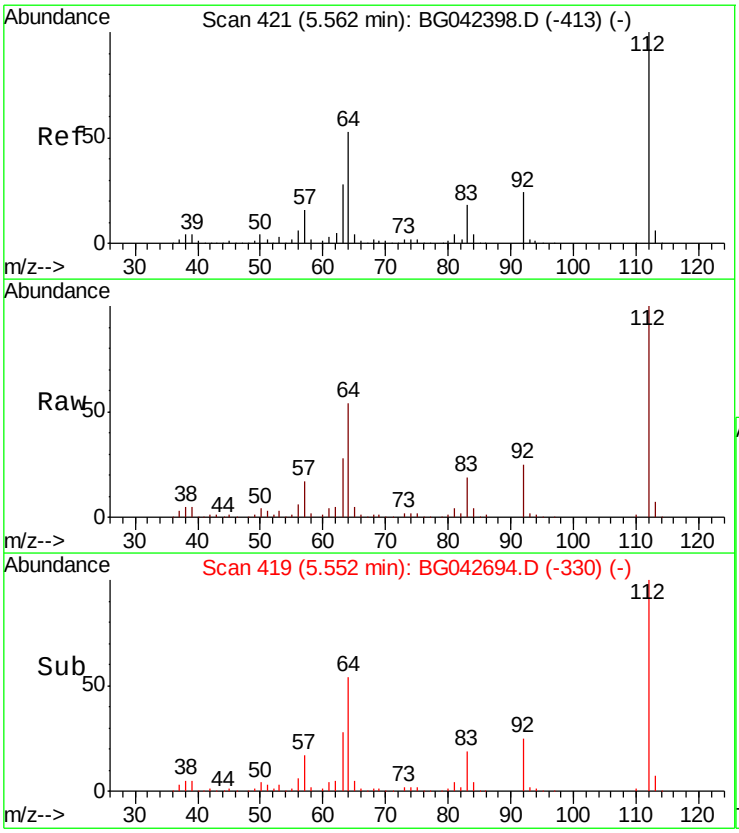
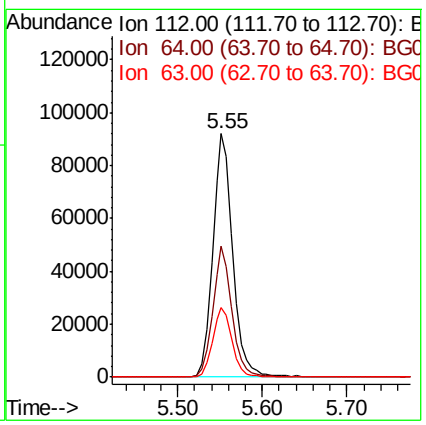
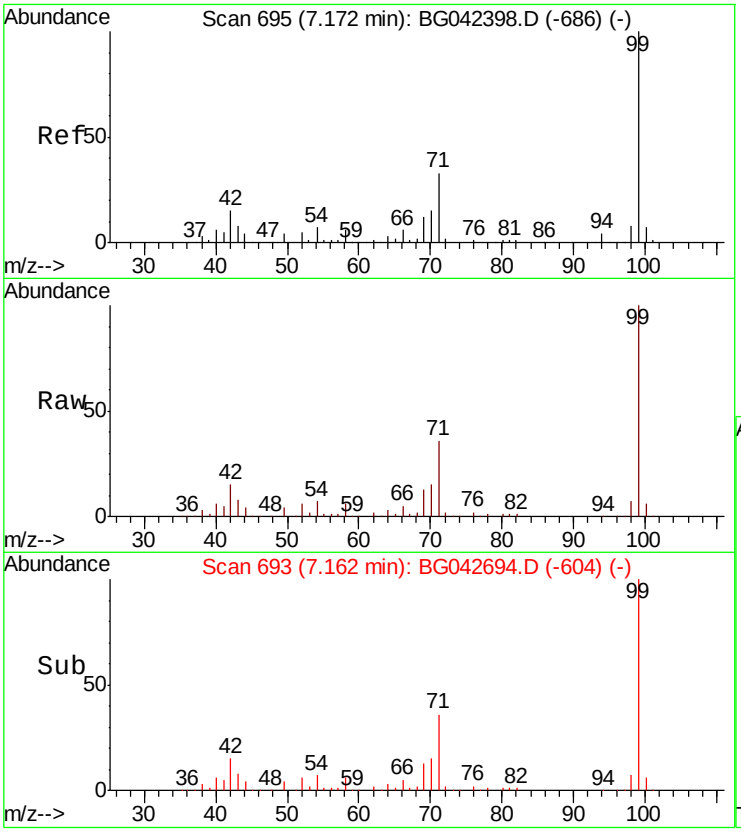


#5
2-Fluorophenol
Concen: 92.218 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:112 Resp: 151617

Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.8	64.2
63	28.4	22.7	34.1

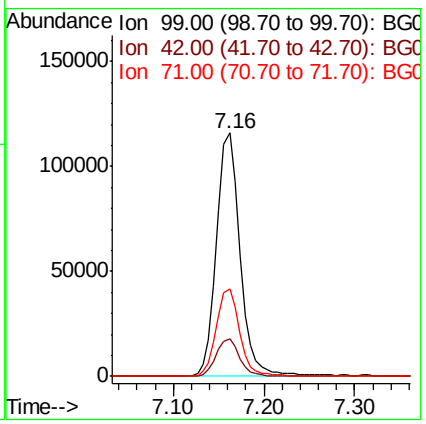




#7
Phenol-d6
Concen: 94.342 ng
RT: 7.16 min Scan# 693
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion: 99 Resp: 209517

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.0	18.0
71	35.7	26.3	39.5



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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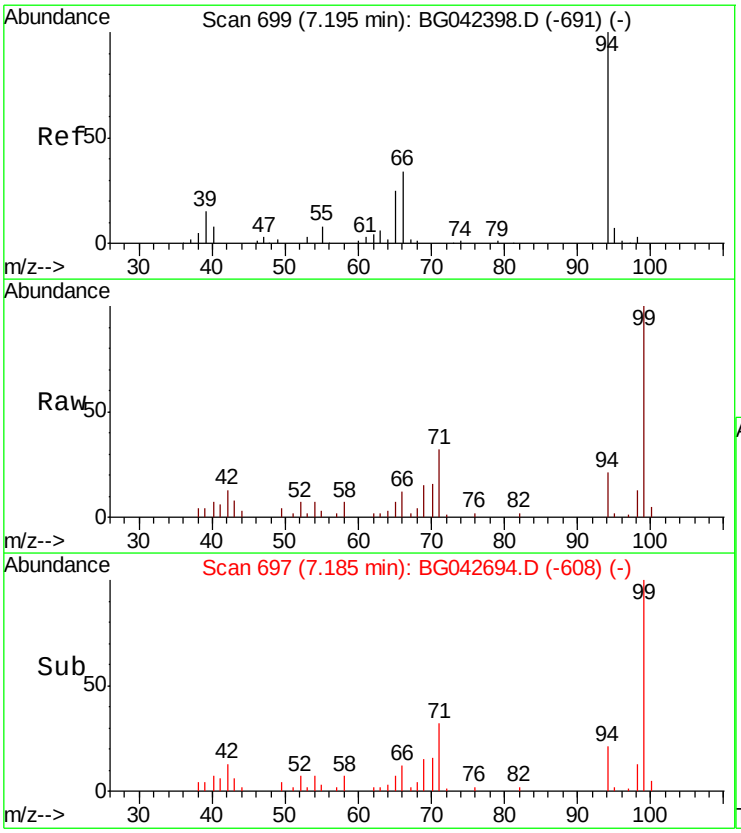
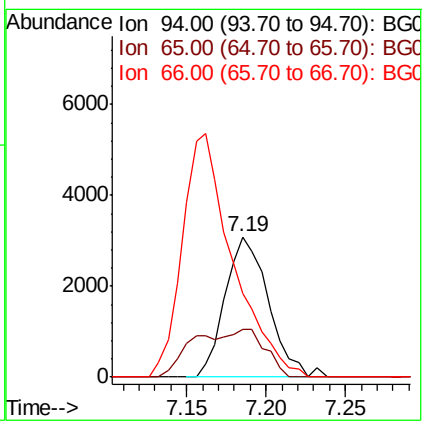
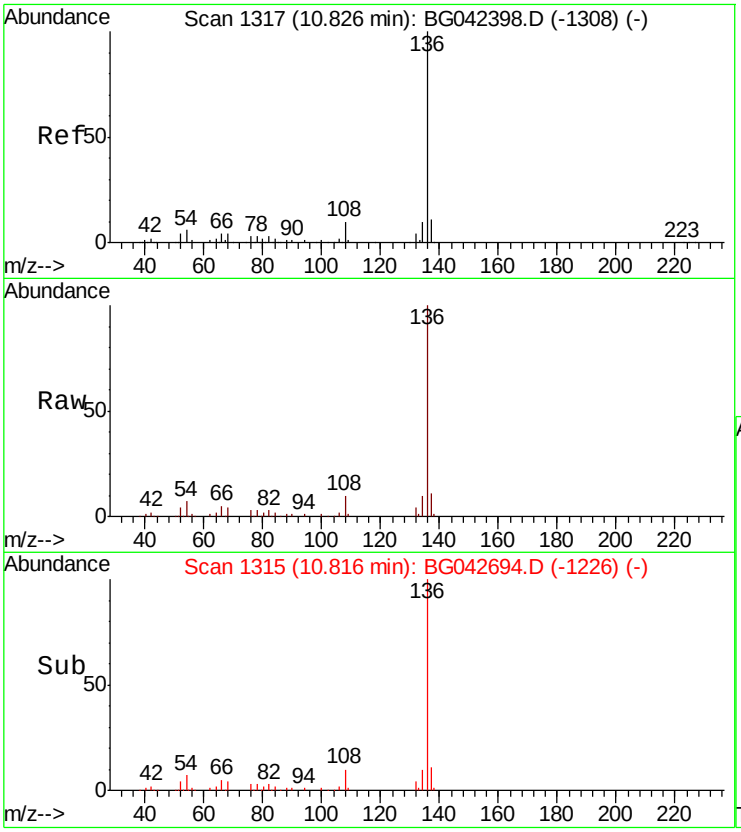


#10
Phenol
Concen: 2.593 ng
RT: 7.19 min Scan# 697
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion: 94 Resp: 5854

Ion	Ratio	Lower	Upper
94	100		
65	33.7	5.6	45.6
66	59.2	16.0	56.0#

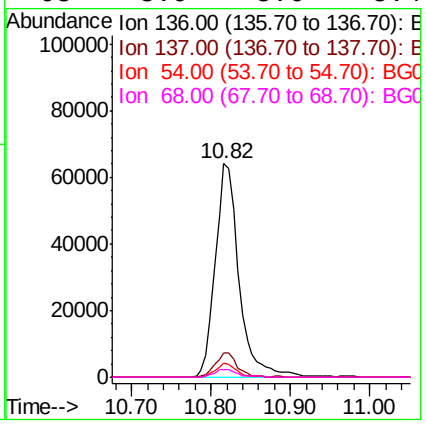




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:136 Resp: 133385

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	6.5	4.9	7.3
68	3.9	3.6	5.4



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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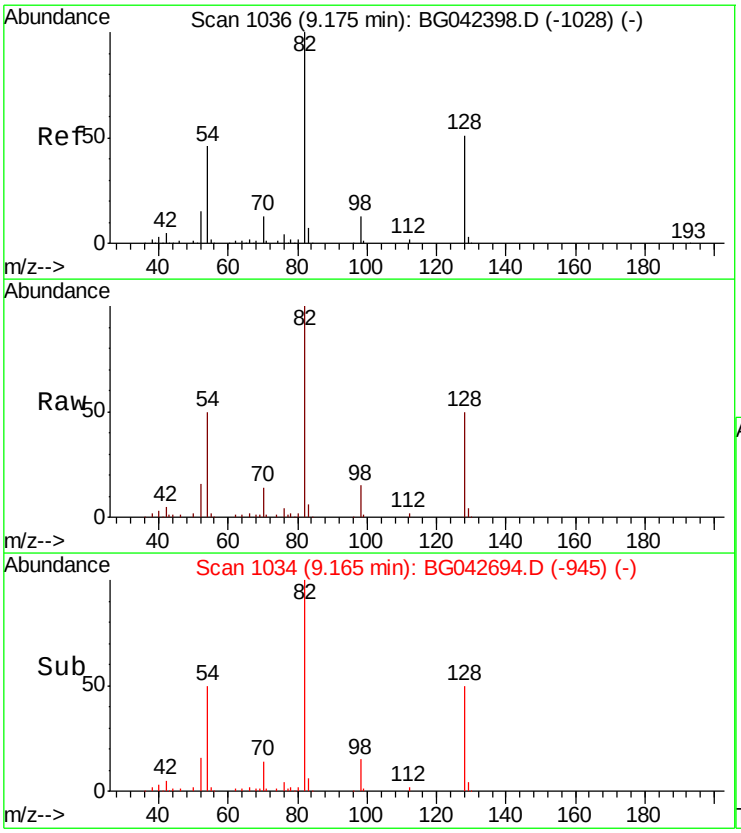
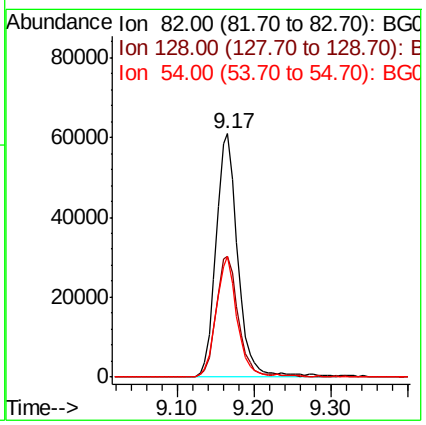
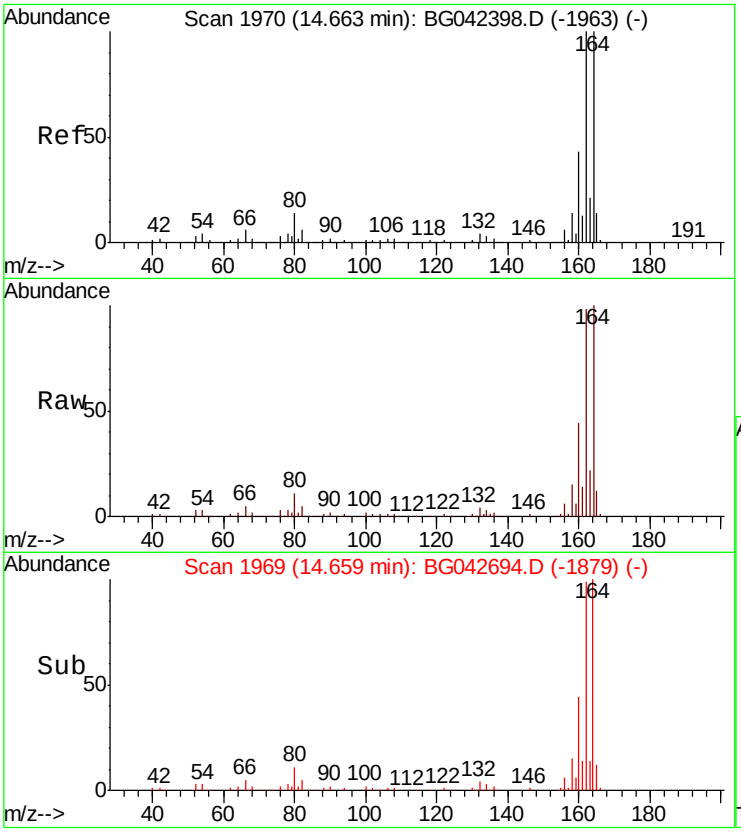


#23
Nitrobenzene-d5
Concen: 61.762 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion: 82 Resp: 119213

Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.7	61.1
54	49.8	36.3	54.5

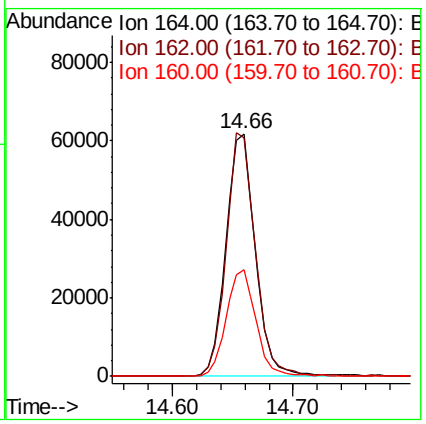




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:164 Resp: 104779

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.9	119.9
160	43.9	34.3	51.5



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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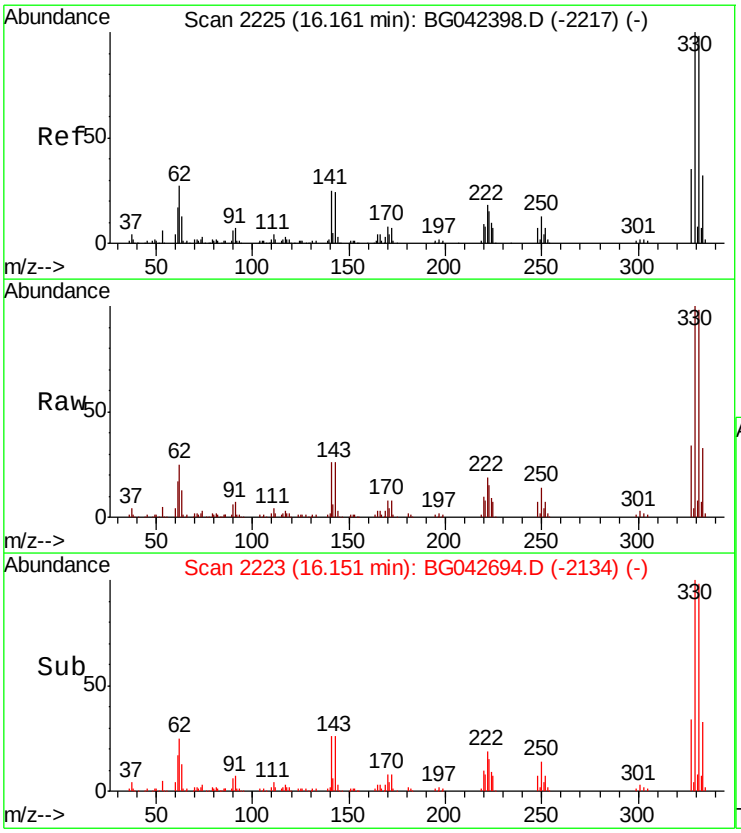
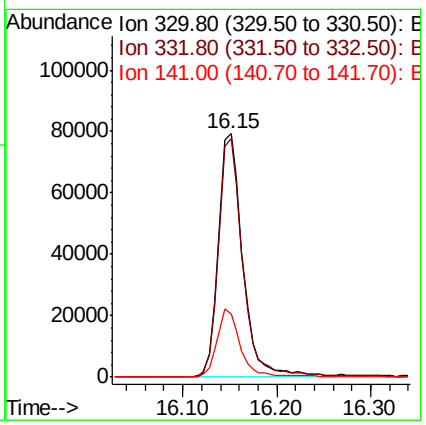
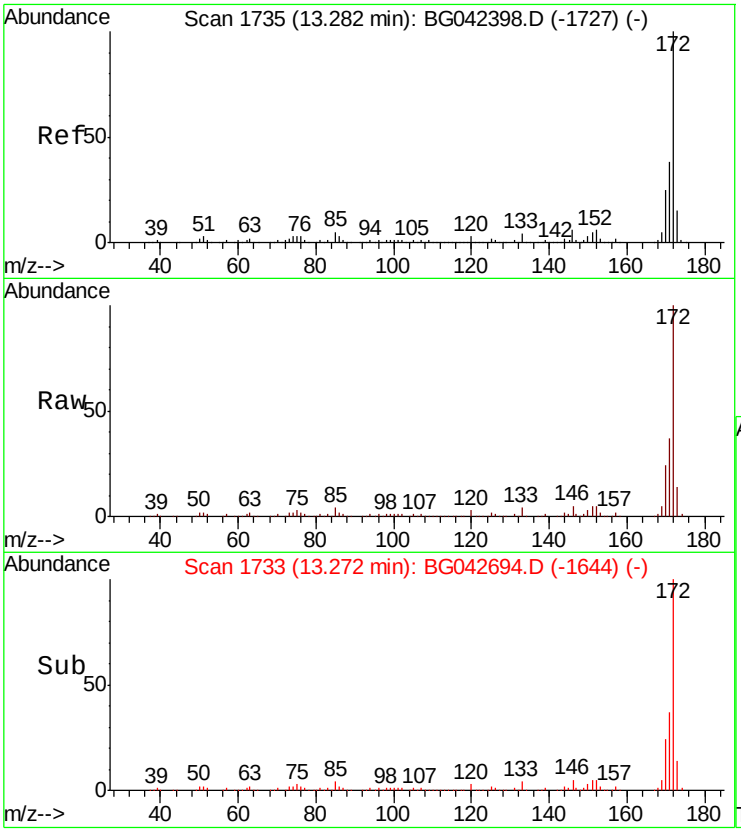


#42
2,4,6-Tribromophenol
Concen: 96.766 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:330 Resp: 144110

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	27.1	21.4	32.0

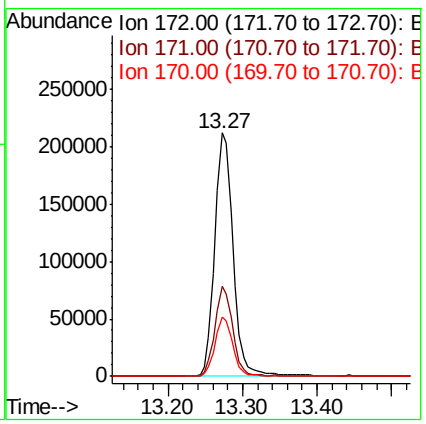




#45
2-Fluorobiphenyl
Concen: 58.601 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:172 Resp: 363046

Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.5	45.7
170	24.3	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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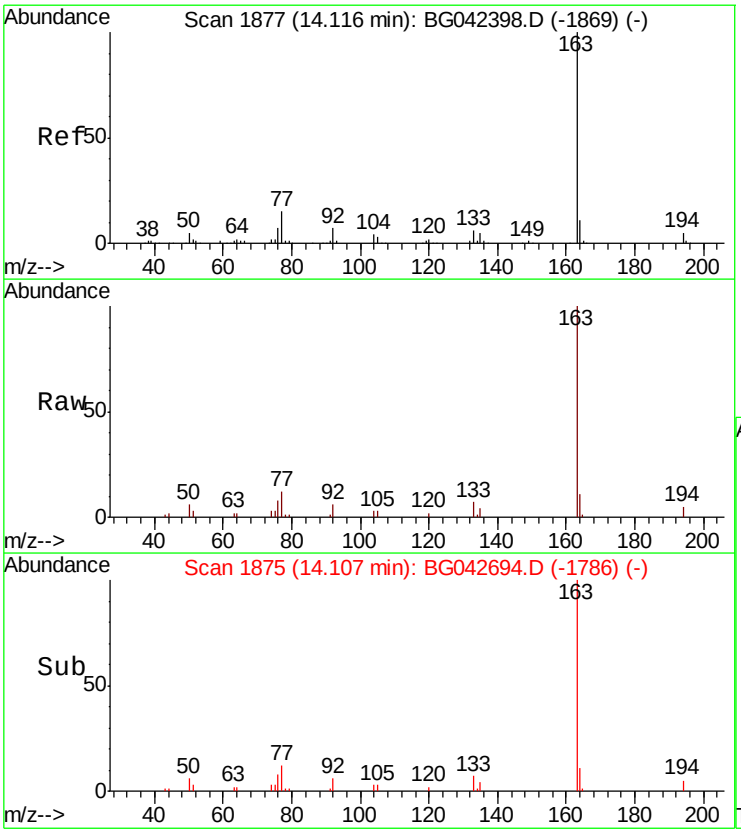
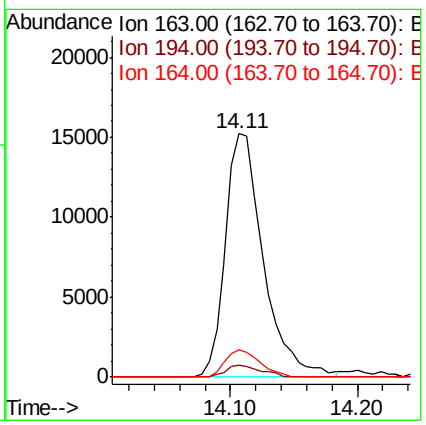
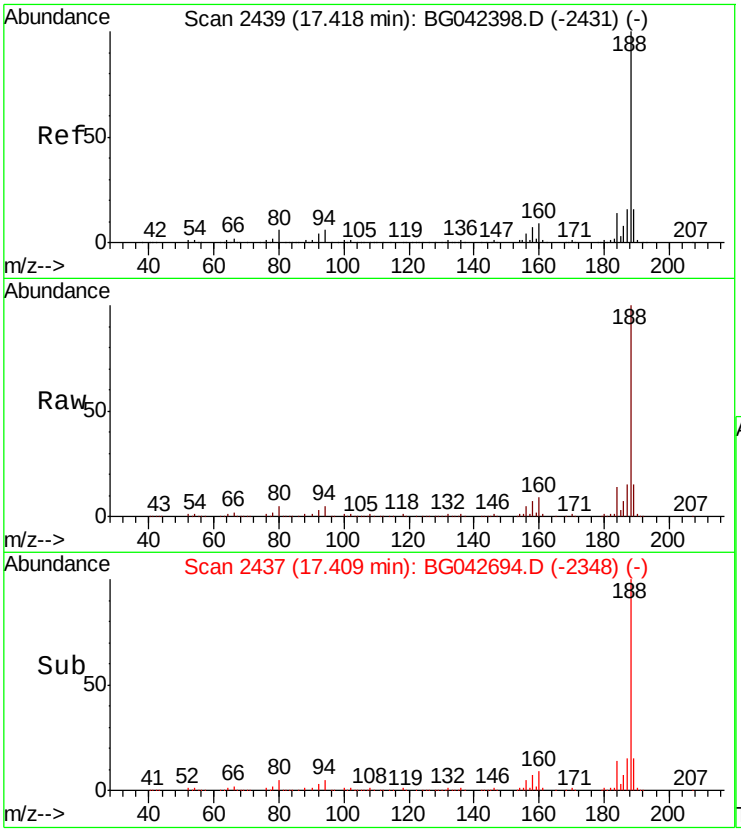


#50
Dimethylphthalate
Concen: 4.168 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:163 Resp: 31509

Ion	Ratio	Lower	Upper
163	100		
194	5.2	4.2	6.2
164	11.4	8.8	13.2

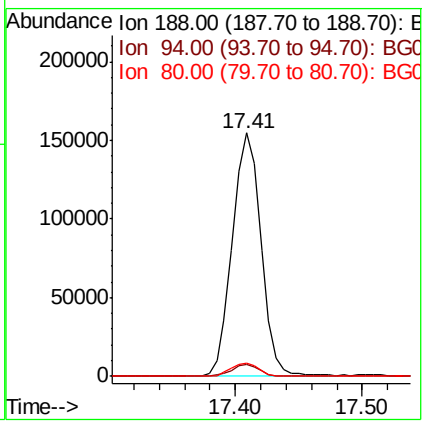




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:188 Resp: 242533

Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.5	6.7
80	5.5	4.9	7.3



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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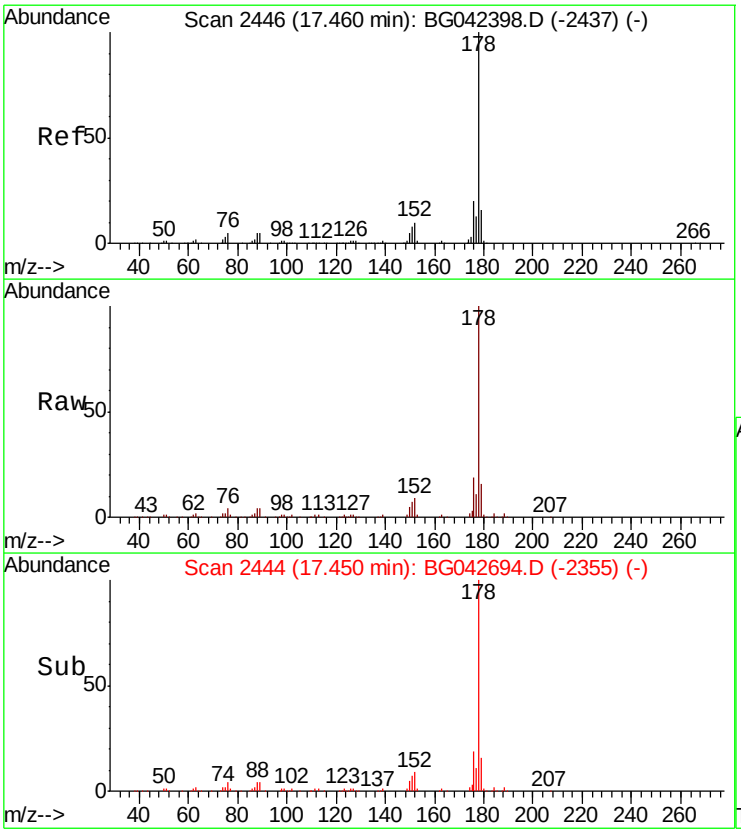
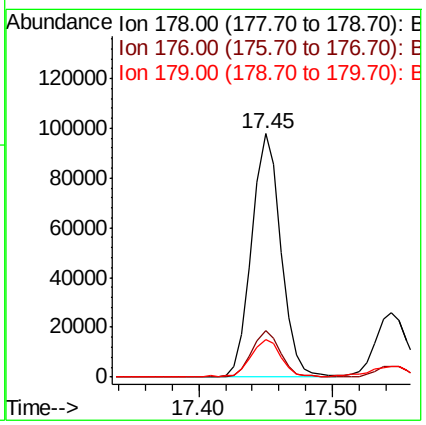
9/6/2019 8:17:35 AM

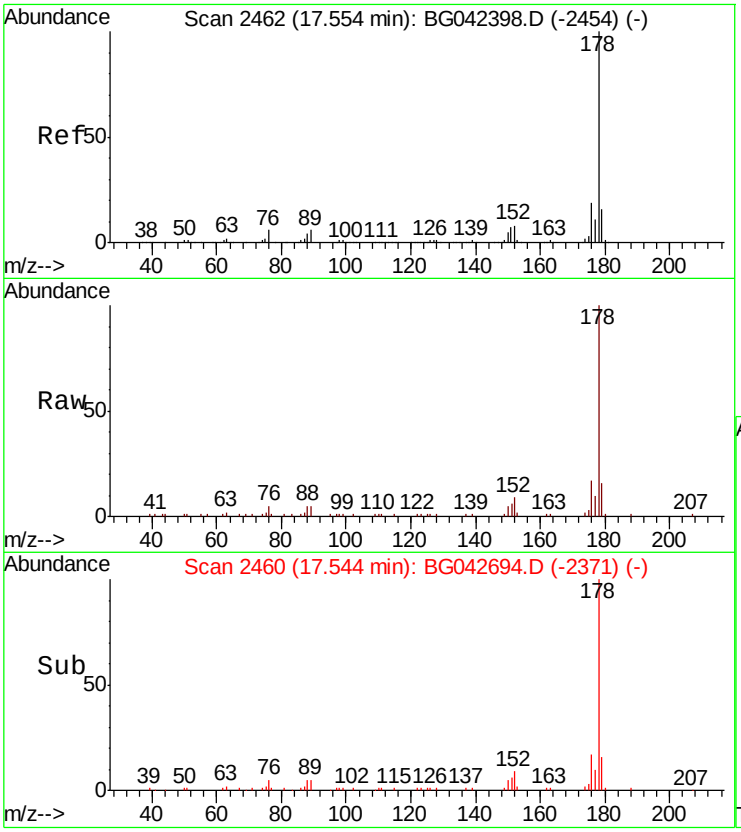


#71
Phenanthrene
Concen: 12.267 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:178 Resp: 147779

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.6	12.7	19.1

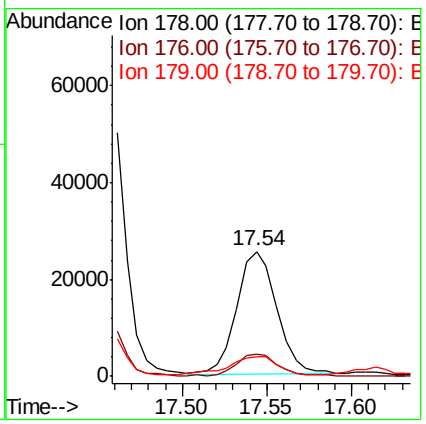




#72
Anthracene
Concen: 3.479 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:178 Resp: 41846

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.5	23.3
179	16.0	12.9	19.3



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
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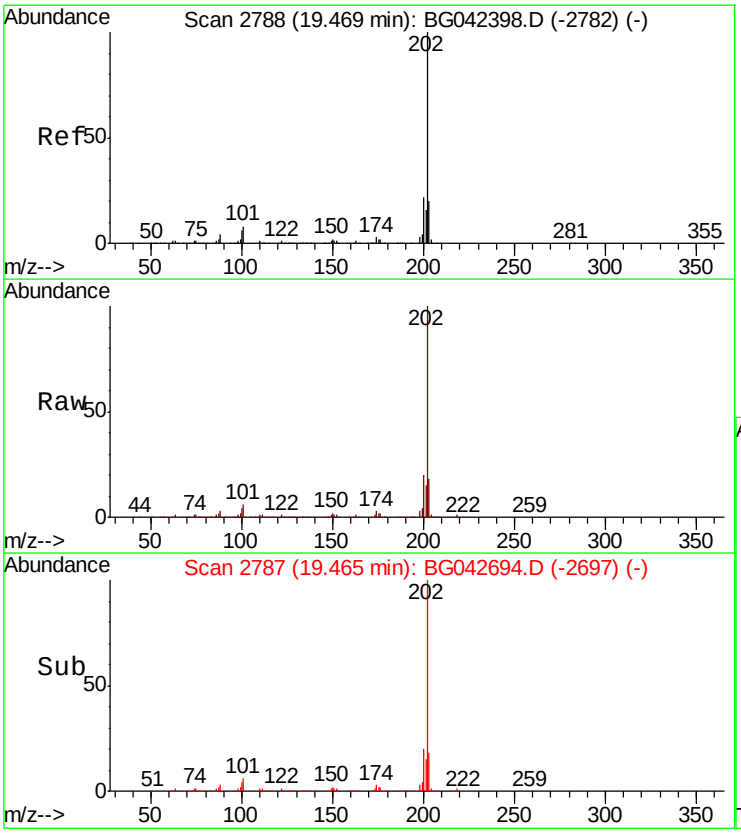
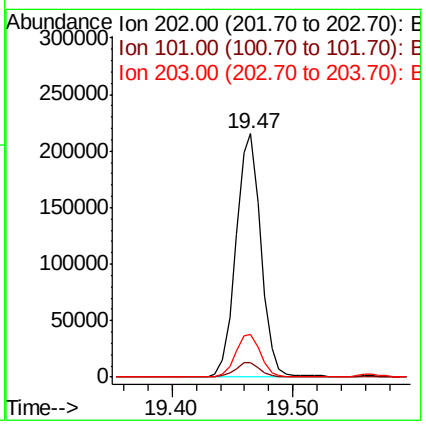
9/6/2019 8:17:35 AM

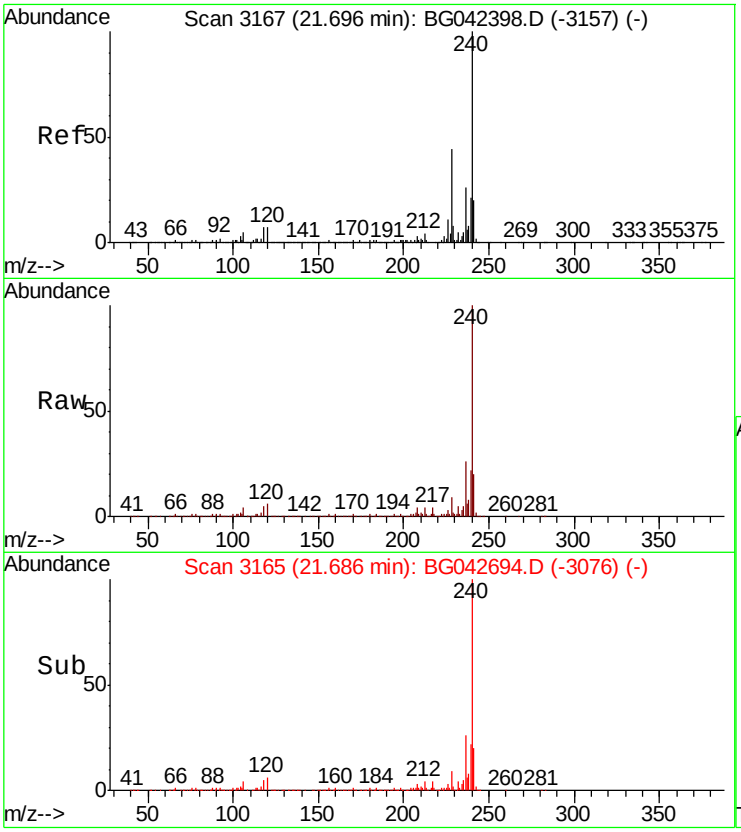


#75
Fluoranthene
Concen: 21.070 ng
RT: 19.47 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:202 Resp: 309779

Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	28.3
203	17.6	0.0	39.6





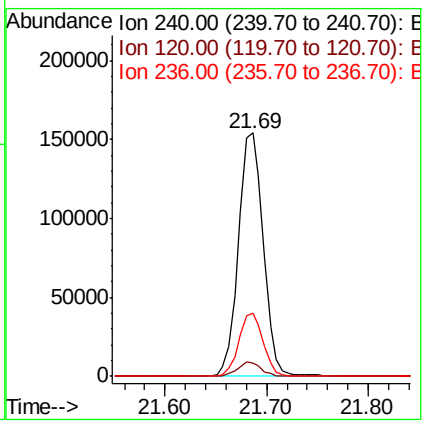
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

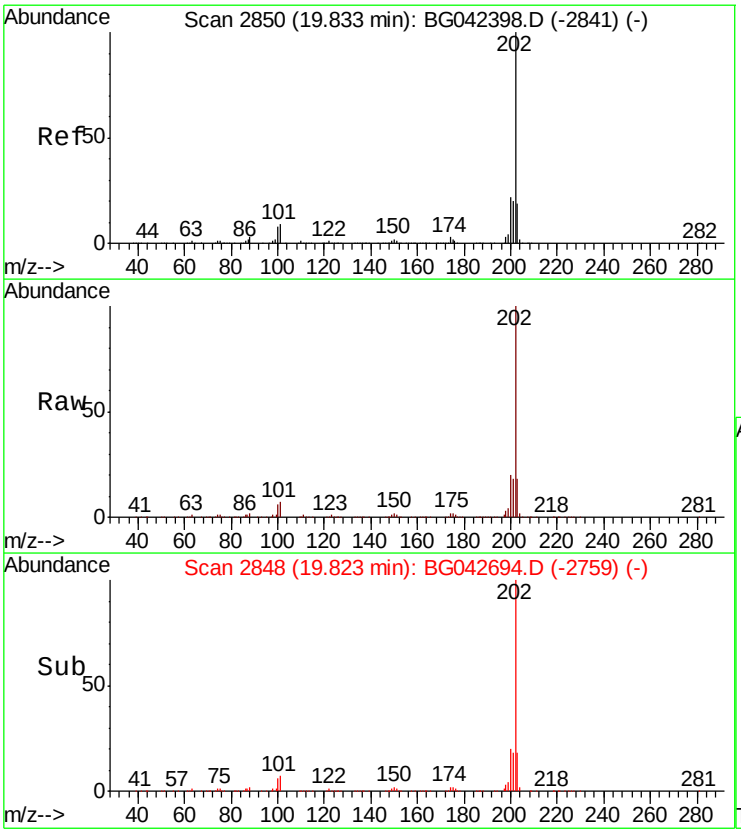
Tgt Ion:240 Resp: 261860

Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.7	8.5#
236	25.7	21.0	31.4

Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

Manual Integrations APPROVED
mohammad
9/6/2019 8:17:35 AM

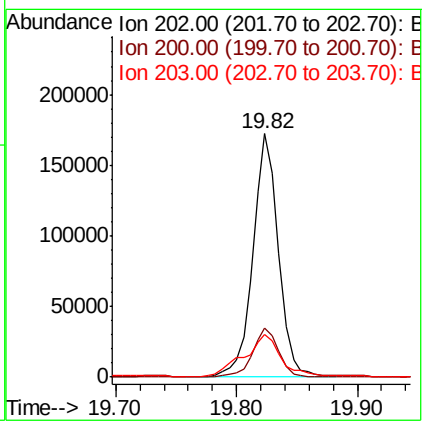


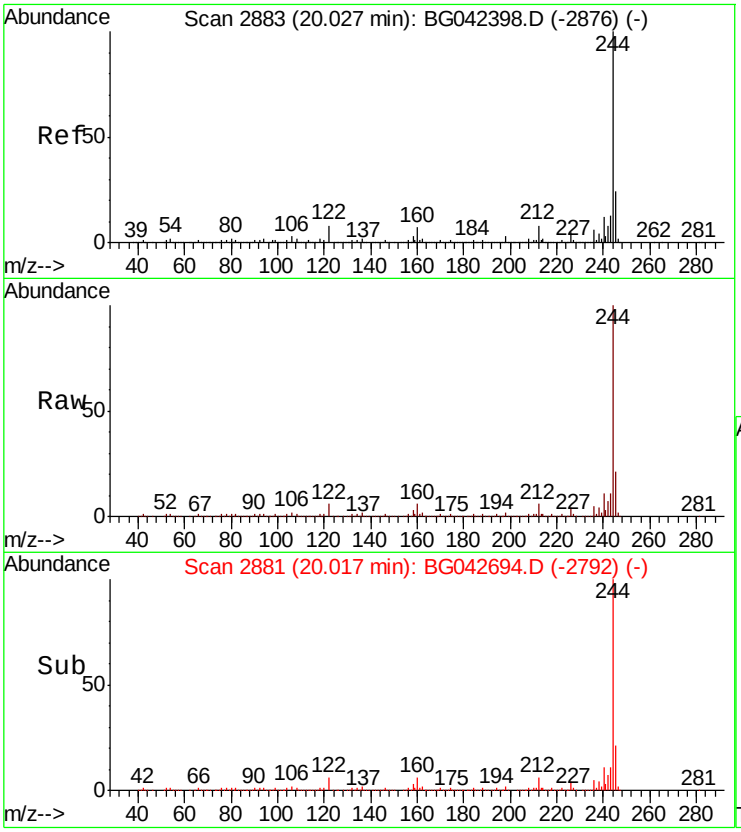


#78
Pyrene
Concen: 15.664 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:202 Resp: 251471

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	17.7	15.5	23.3





#79
Terphenyl-d14
Concen: 53.477 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:244 Resp: 647729

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	6.5	6.7	10.1#

Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

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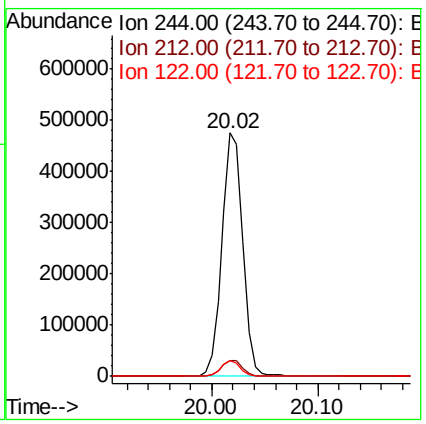
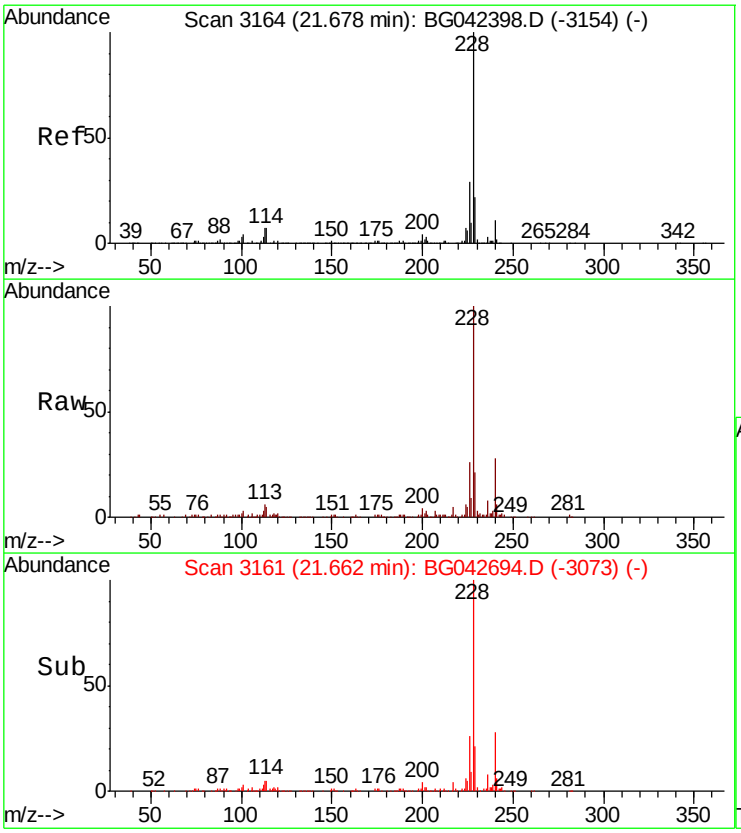
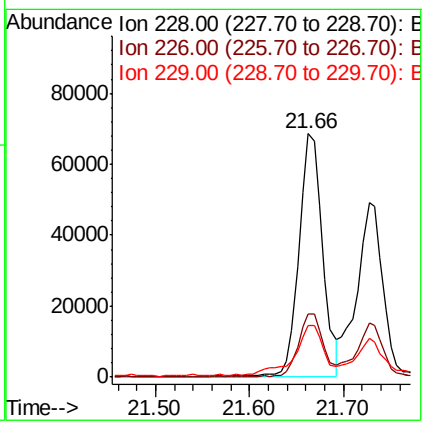


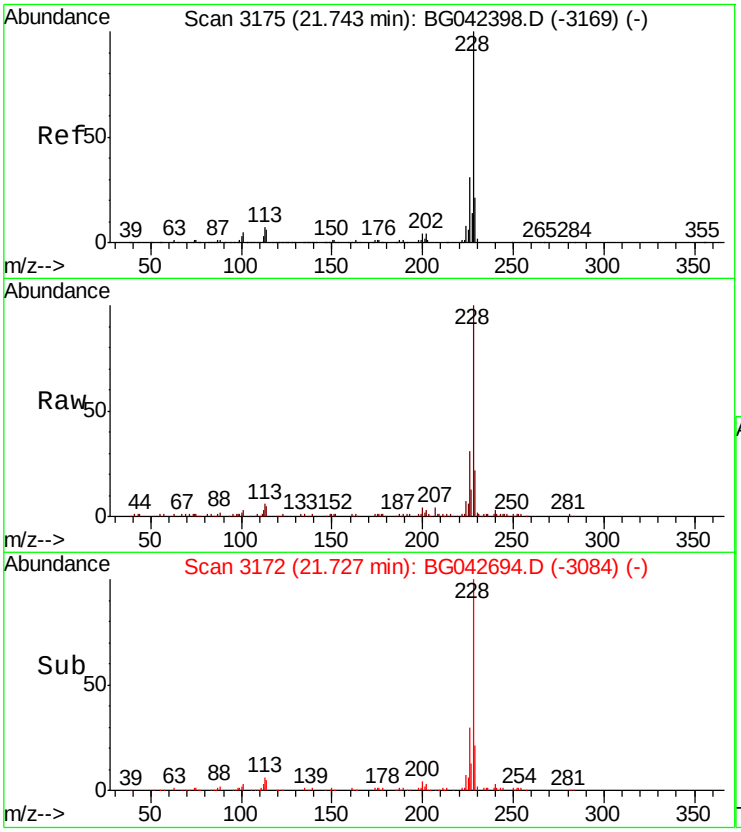


#81
Benzo(a)anthracene
Concen: 7.642 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:228 Resp: 121732

Ion	Ratio	Lower	Upper
228	100		
226	26.0	23.4	35.2
229	21.2	17.4	26.2

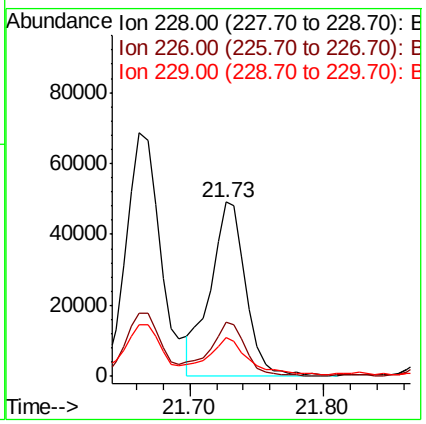




#83
Chrysene
Concen: 5.911 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:228 Resp: 90813

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.0	16.9	25.3



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

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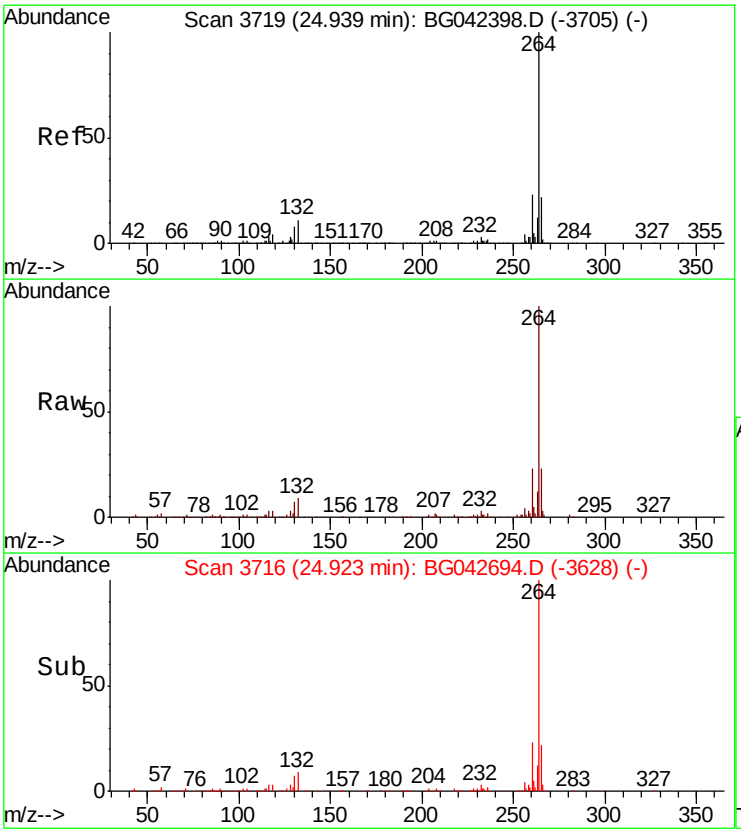
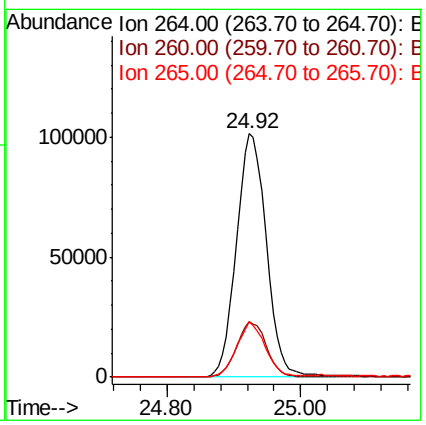
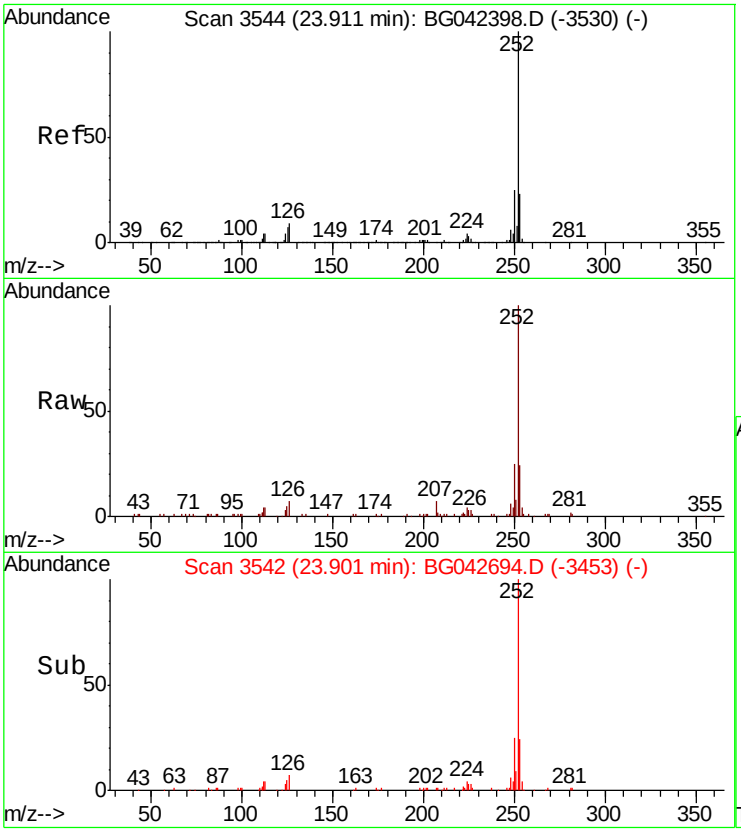


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:264 Resp: 314447

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	22.6	17.6	26.4





#88
Benzo(b)fluoranthene
Concen: 6.376 ng m
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:252 Resp: 110221

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	5.4	5.6	8.4#

Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

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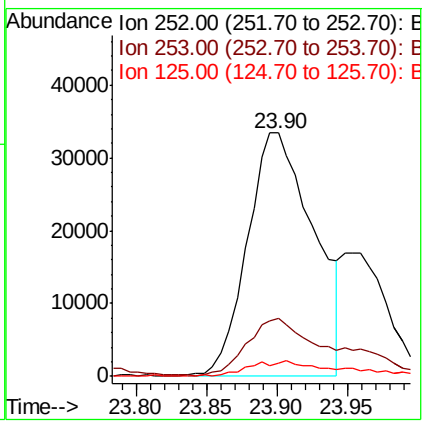
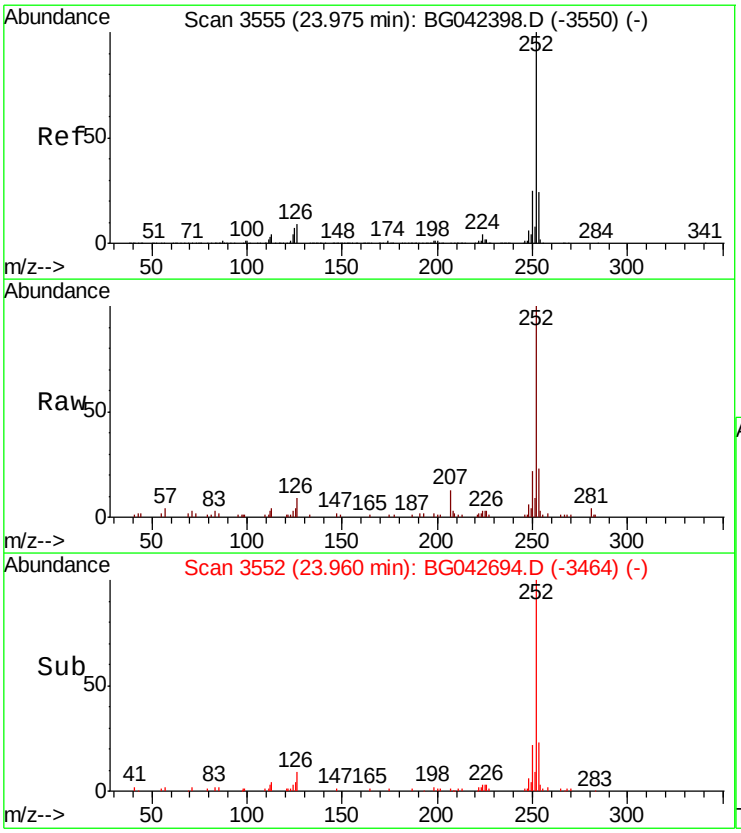
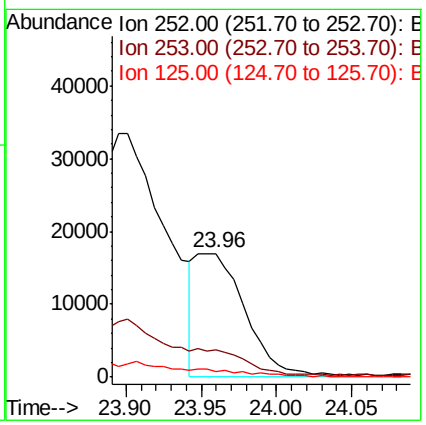


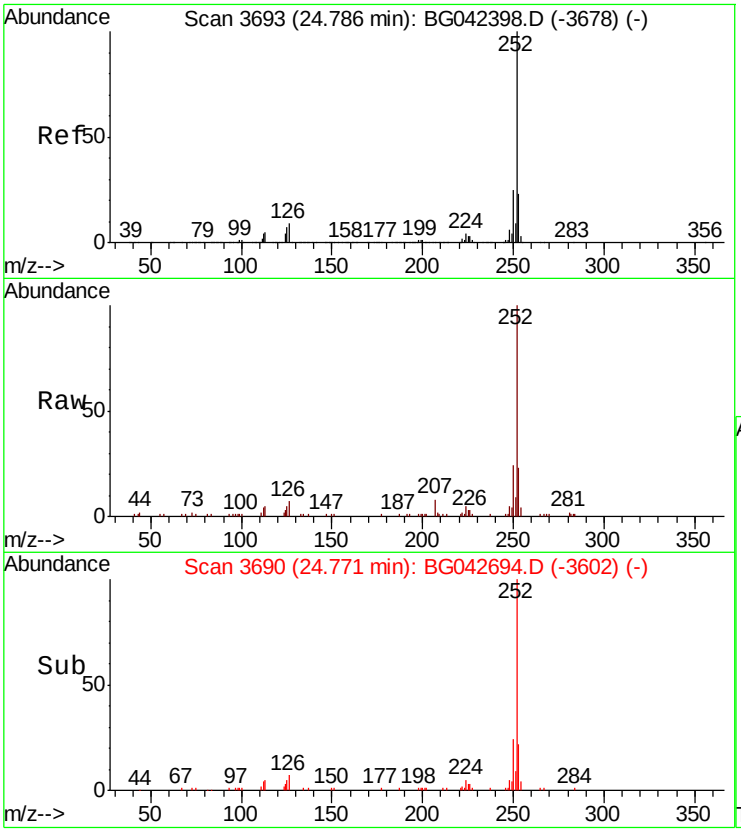


#89
Benzo(k)fluoranthene
Concen: 2.322 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:252 Resp: 38587

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	4.3	5.8	8.6#

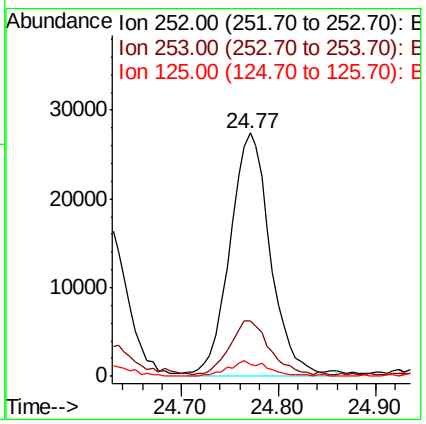




#90
Benzo(a)pyrene
Concen: 4.843 ng m
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:252 Resp: 79452

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	5.0	6.0	9.0#



Instrument :
BNA_G
ClientSampleId :
PAR-12-F1-F4-(0-3.11)

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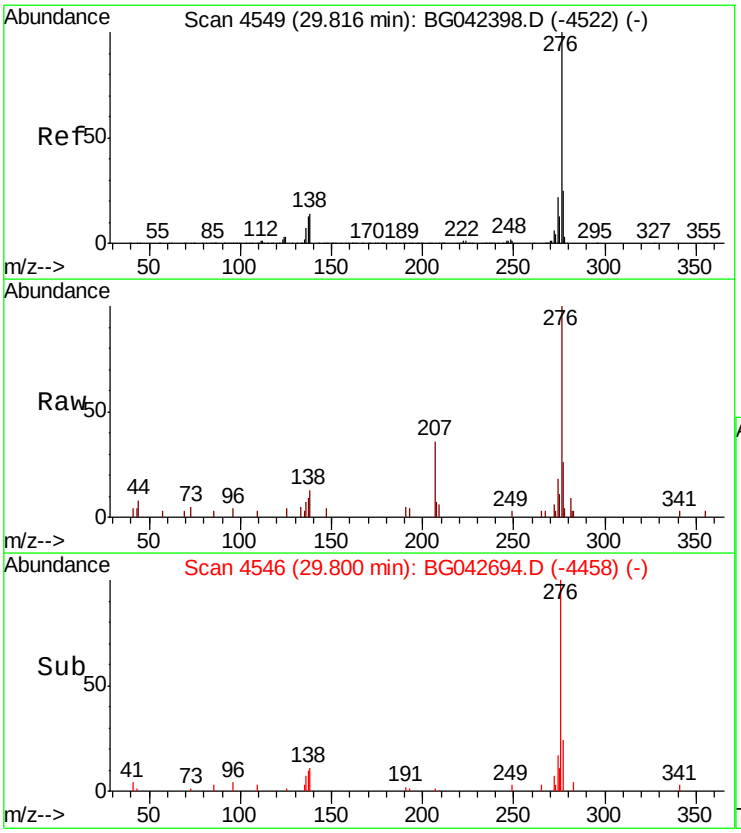

#92
Benzo(g,h,i)perylene
Concen: 2.027 ng m
RT: 29.80 min Scan# 4546
Delta R.T. -0.02 min
Lab File: BG042694.D
Acq: 3 Sep 2019 18:29

Tgt Ion:276 Resp: 33675

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.8	29.8
138	12.7	11.4	17.0