Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
Data File : BG040835.D
Acq On : 10 May 2019 3:21
Operator : HP/JU
Sample : K2764-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS001-1218-01

Quant Time: May 10 06:25:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	53186	20.00	ng		-0.02
21) Naphthalene-d8	10.96	136	229213	20.00	ng		-0.02
39) Acenaphthene-d10	14.77	164	177064	20.00	ng		-0.02
64) Phenanthrene-d10	17.51	188	461293	20.00	ng		-0.02
76) Chrysene-d12	21.80	240	441607	20.00	ng		-0.03
87) Perylene-d12	25.15	264	471270	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.67	112	435334	144.28	ng		-0.01
7) Phenol-d6	7.28	99	661013	142.29	ng		-0.02
23) Nitrobenzene-d5	9.32	82	460925	92.92	ng		-0.02
42) 2,4,6-Tribromophenol	16.26	330	346304	142.29	ng		-0.02
45) 2-Fluorobiphenyl	13.39	172	953240	77.75	ng		-0.02
79) Terphenyl-d14	20.11	244	1653633	82.96	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	7.28	77	1680	Below Cal		#	6
19) n-Nitroso-di-n-propylamine	9.32	70	65374	15.633	ng	#	75
50) Dimethylphthalate	14.21	163	93586	6.317	ng		98
57) 2,4-Dinitrotoluene	14.77	165	22259	5.665	ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.90	198	83	7.132	ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	26035	4.530	ng	#	1
71) Phenanthrene	17.55	178	80941	3.258	ng	#	95
75) Fluoranthene	19.56	202	197724	6.386	ng		96
77) Benzidine	20.10	184	30718	2.540	ng	#	92
78) Pyrene	19.92	202	376964	13.620	ng		98
81) Benzo(a)anthracene	21.77	228	123947	4.441	ng		99
83) Chrysene	21.84	228	160239	6.037	ng		96
86) Indeno(1,2,3-cd)pyrene	28.98	276	67786	2.112	ng	#	80
88) Benzo(b)fluoranthene	24.08	252	148535	5.158	ng	#	97
89) Benzo(k)fluoranthene	24.08	252	148535	5.523	ng	#	97
90) Benzo(a)pyrene	24.83	252	112377	4.122	ng		97
92) Benzo(g,h,i)perylene	30.20	276	79266	2.887	ng		97

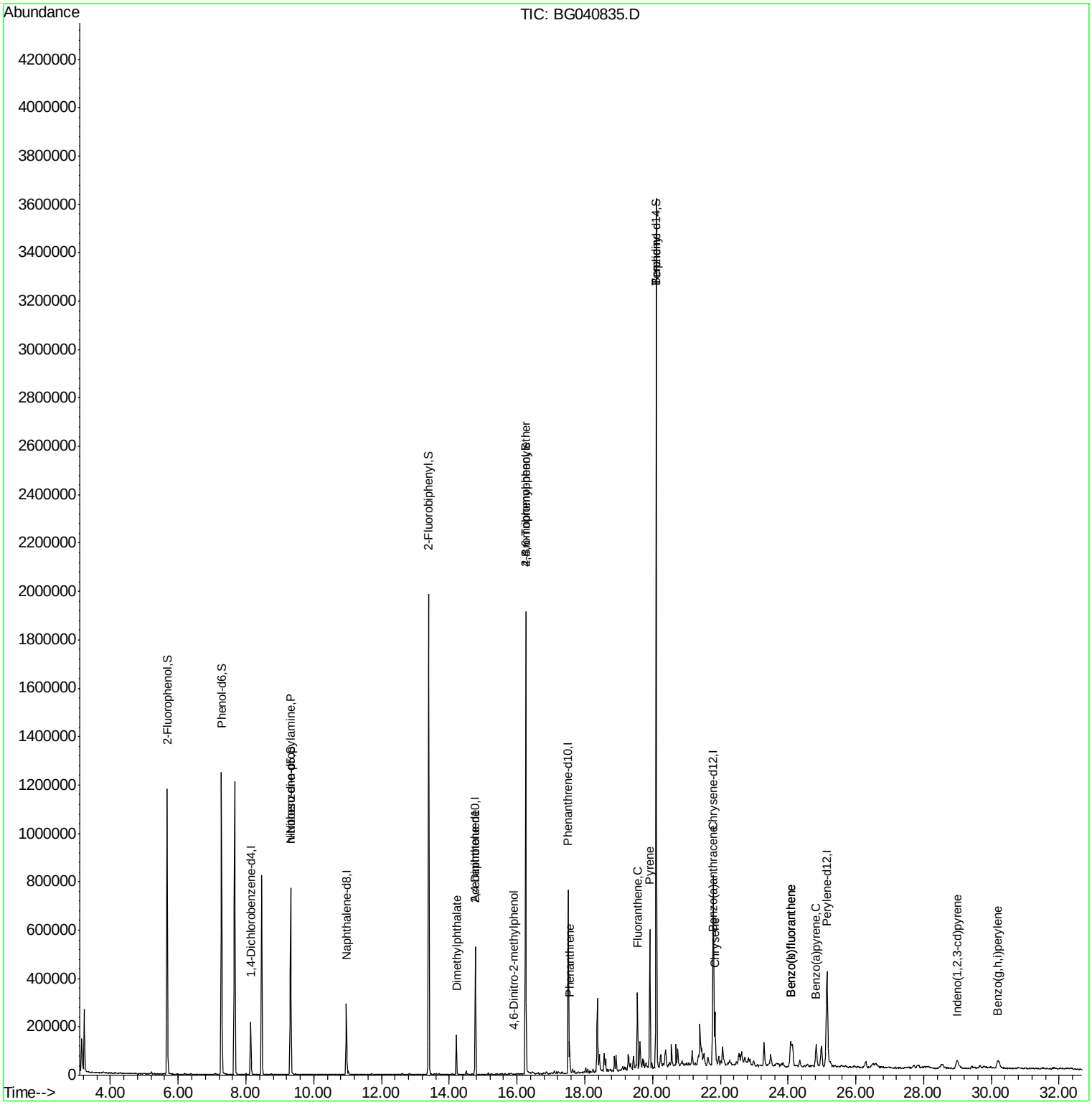
(#) = qualifier out of range (m) = manual integration (+) = signals summed

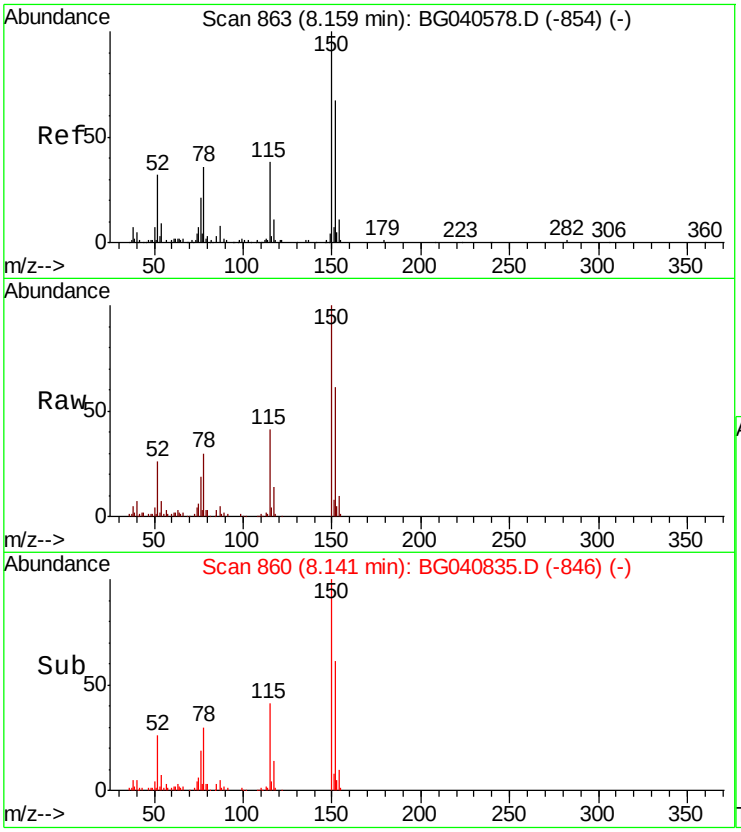
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
Data File : BG040835.D
Acq On : 10 May 2019 3:21
Operator : HP/JU
Sample : K2764-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Quant Time: May 10 06:25:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



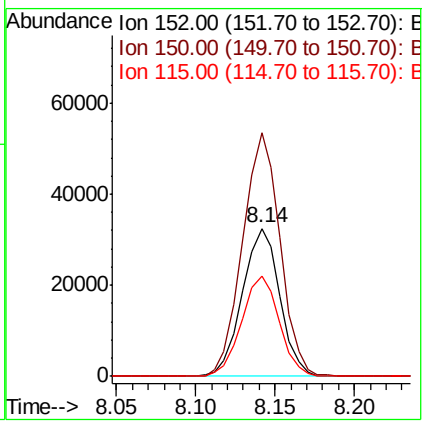


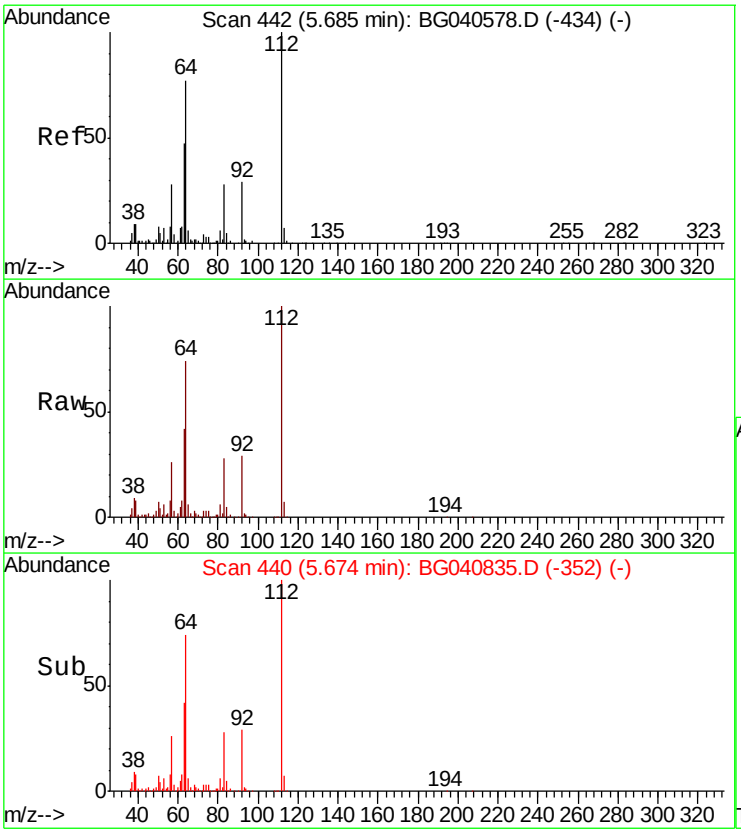
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:152 Resp: 53186

Ion	Ratio	Lower	Upper
152	100		
150	164.4	120.2	180.2
115	67.7	46.2	69.2

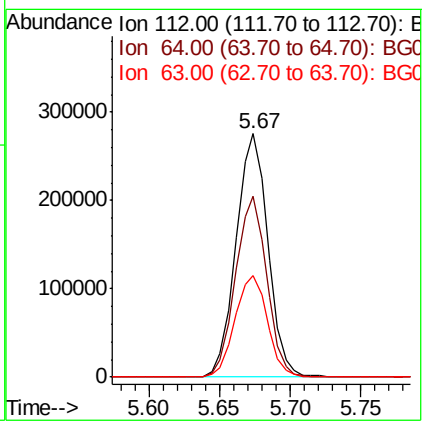


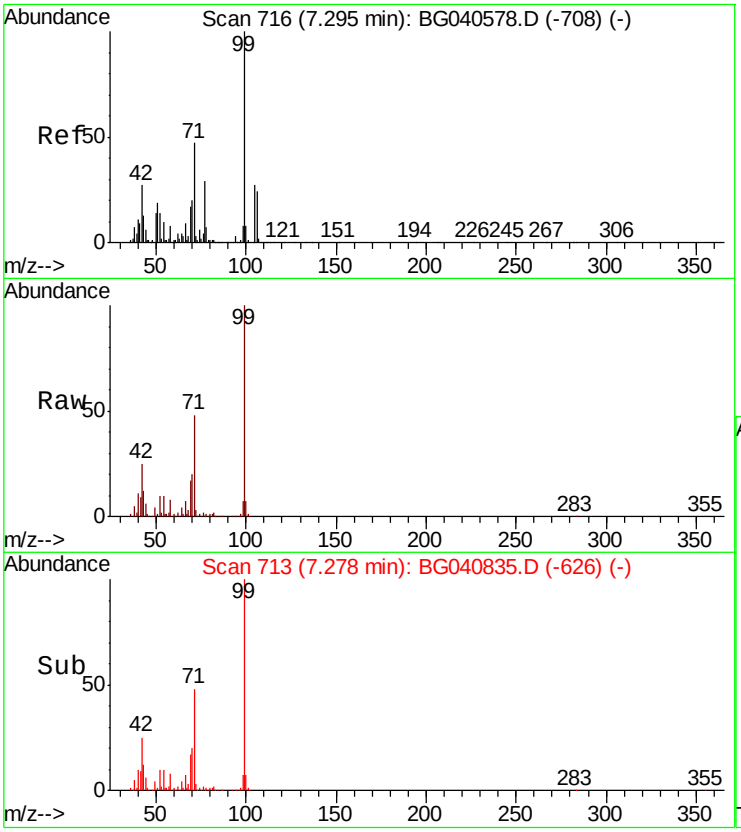


#5
2-Fluorophenol
Concen: 144.284 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:112 Resp: 435334

Ion	Ratio	Lower	Upper
112	100		
64	74.1	61.4	92.0
63	41.9	37.8	56.6



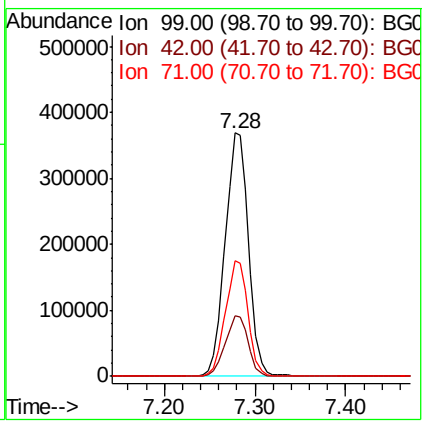


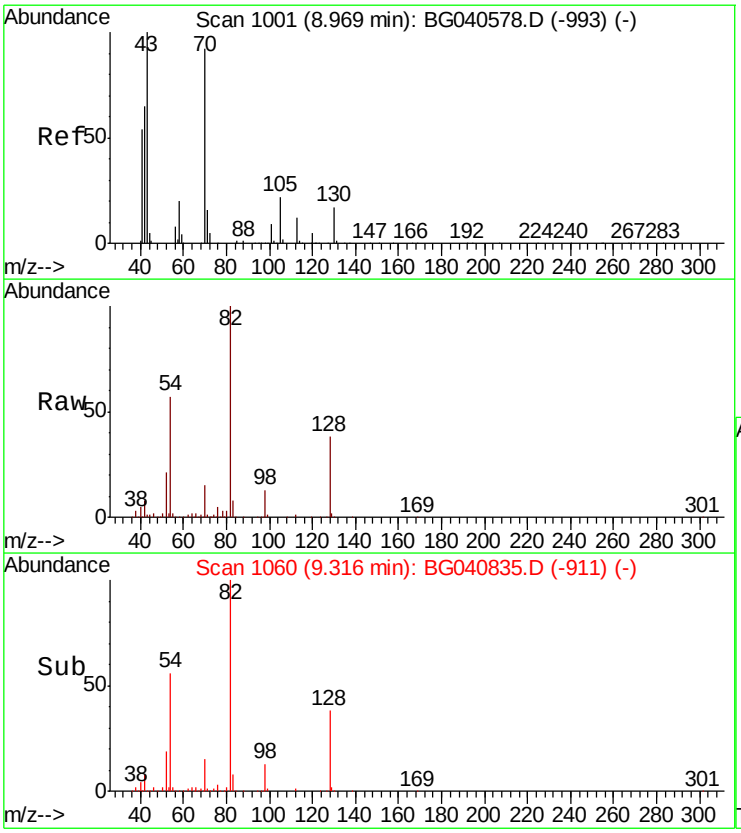
#7
Phenol-d6
Concen: 142.287 ng
RT: 7.28 min Scan# 713
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion: 99 Resp: 661013

Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.8	32.8
71	47.7	38.6	57.8

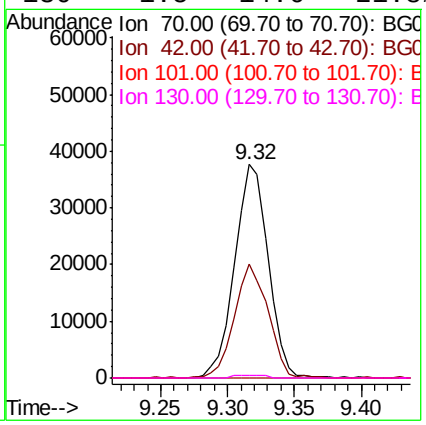


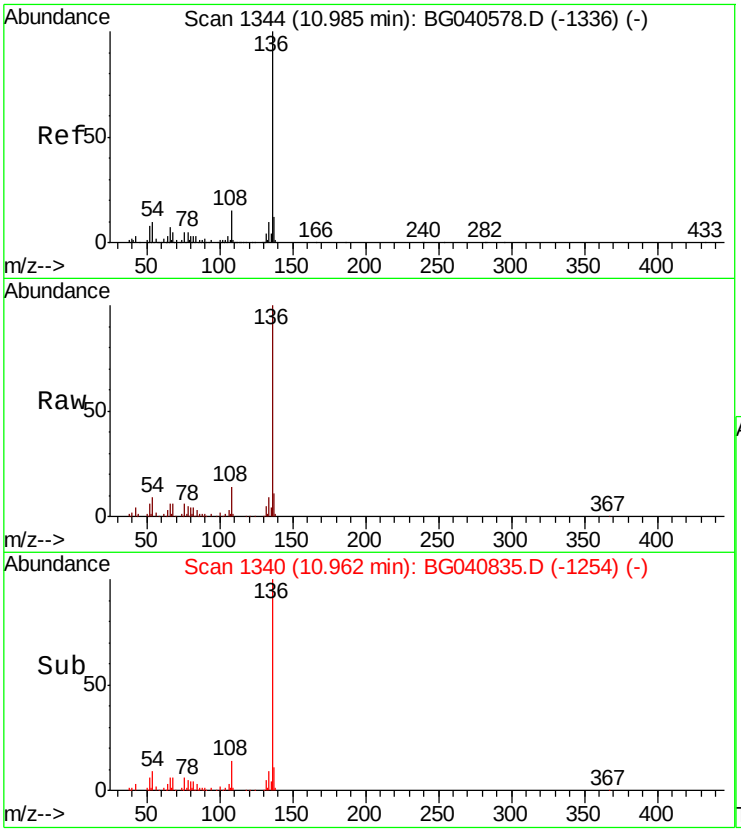


#19
n-Nitroso-di-n-propylamine
Concen: 15.633 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion: 70 Resp: 65374

Ion	Ratio	Lower	Upper
70	100		
42	53.3	57.1	85.7#
101	0.0	7.8	11.8#
130	1.5	14.6	21.8#



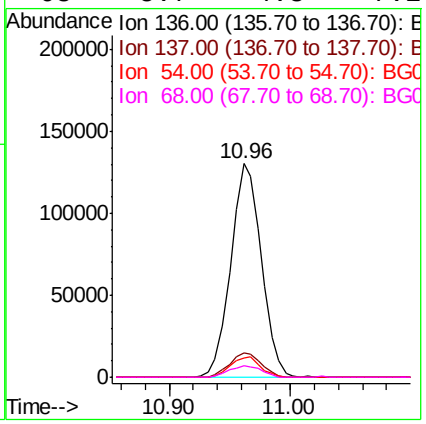


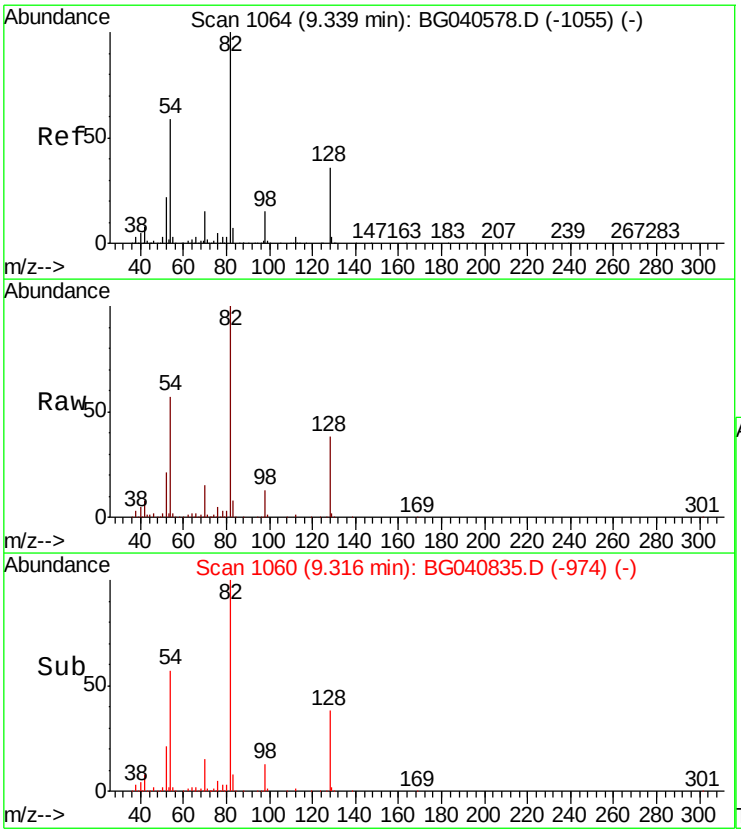
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:136 Resp: 229213

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.7	14.5
54	9.3	8.6	12.8
68	5.7	4.8	7.2

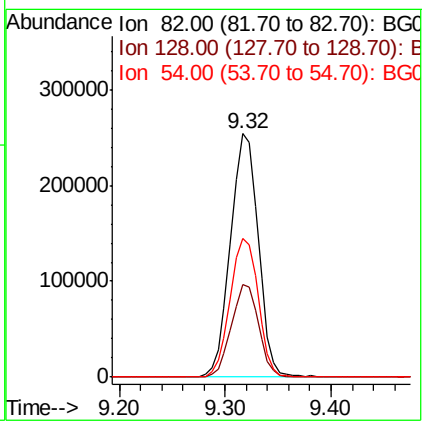


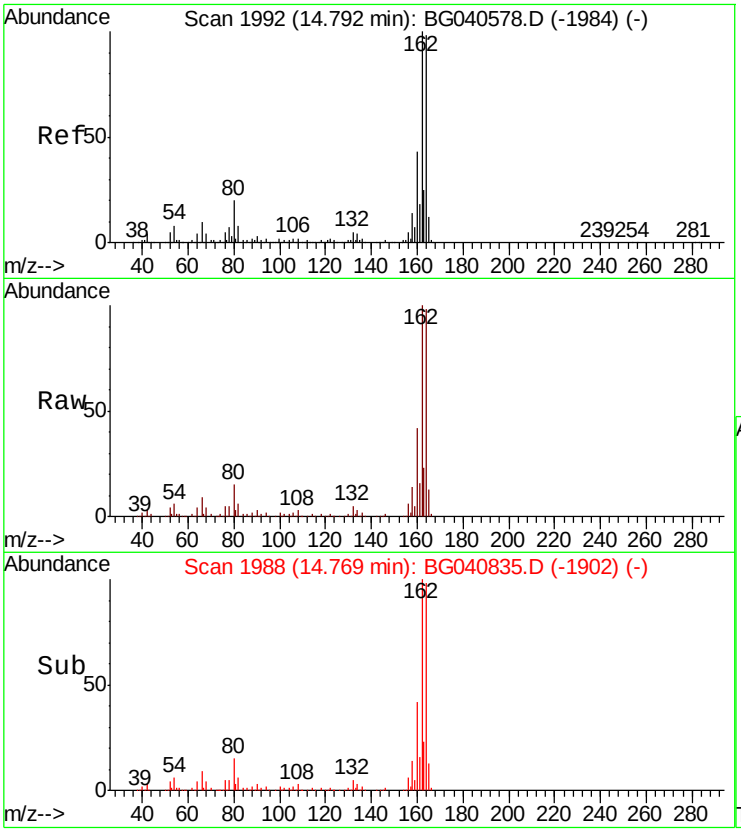


#23
Nitrobenzene-d5
Concen: 92.916 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion: 82 Resp: 460925

Ion	Ratio	Lower	Upper
82	100		
128	37.8	28.9	43.3
54	56.8	47.2	70.8



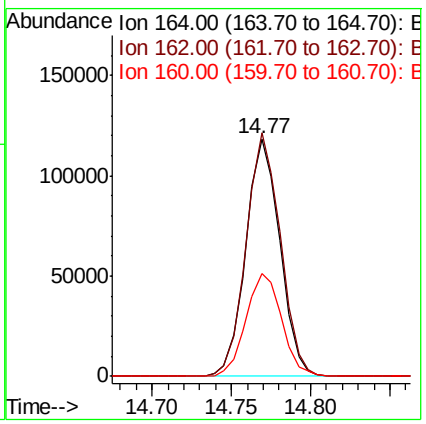


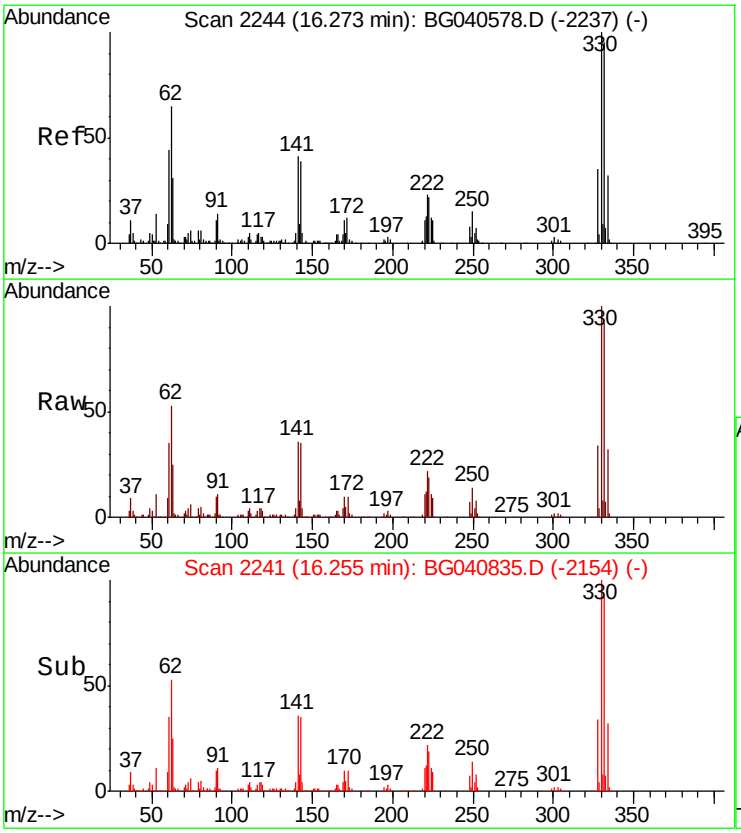
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:164 Resp: 177064

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.9	122.9
160	43.3	35.4	53.2

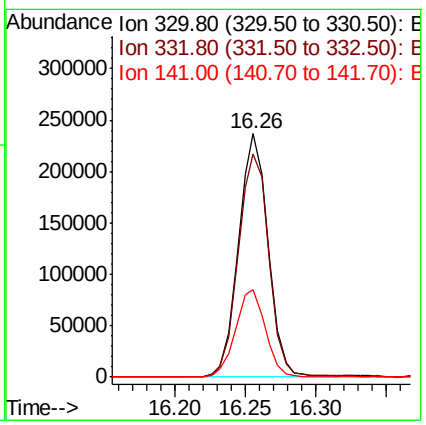


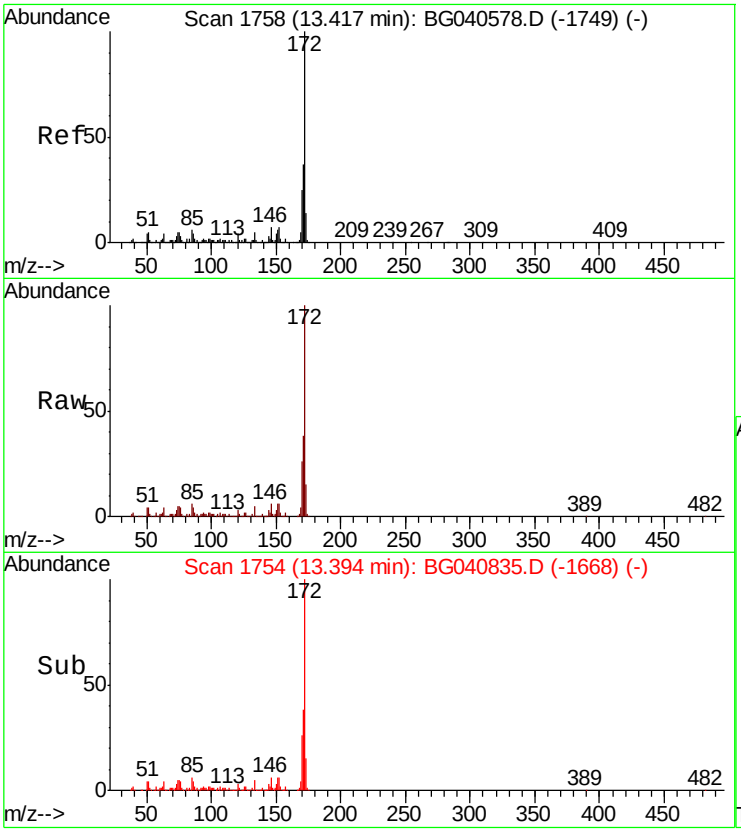


#42
2,4,6-Tribromophenol
Concen: 142.290 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:330 Resp: 346304

Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.9	113.9
141	36.3	32.4	48.6



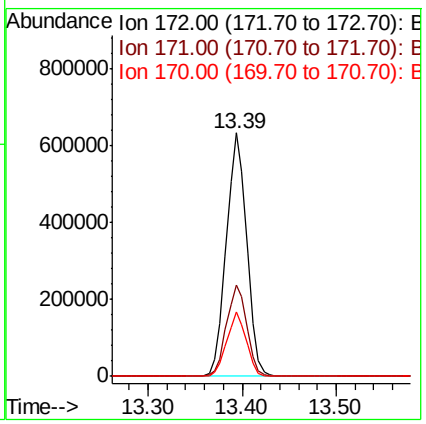


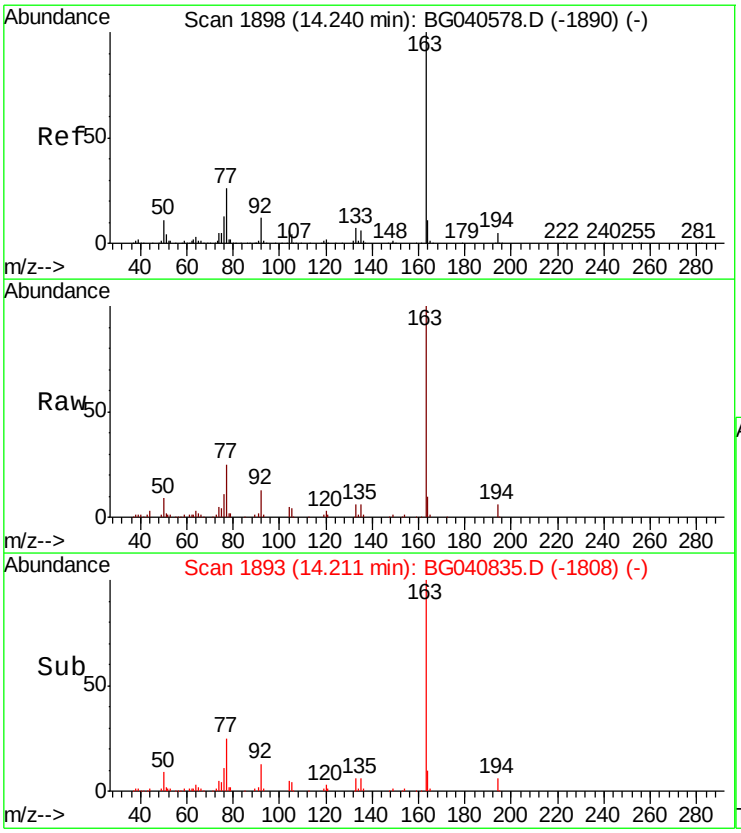
#45
2-Fluorobiphenyl
Concen: 77.750 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:172 Resp: 953240

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	26.4	19.9	29.9

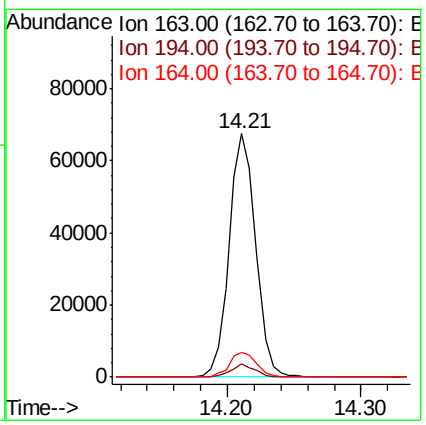


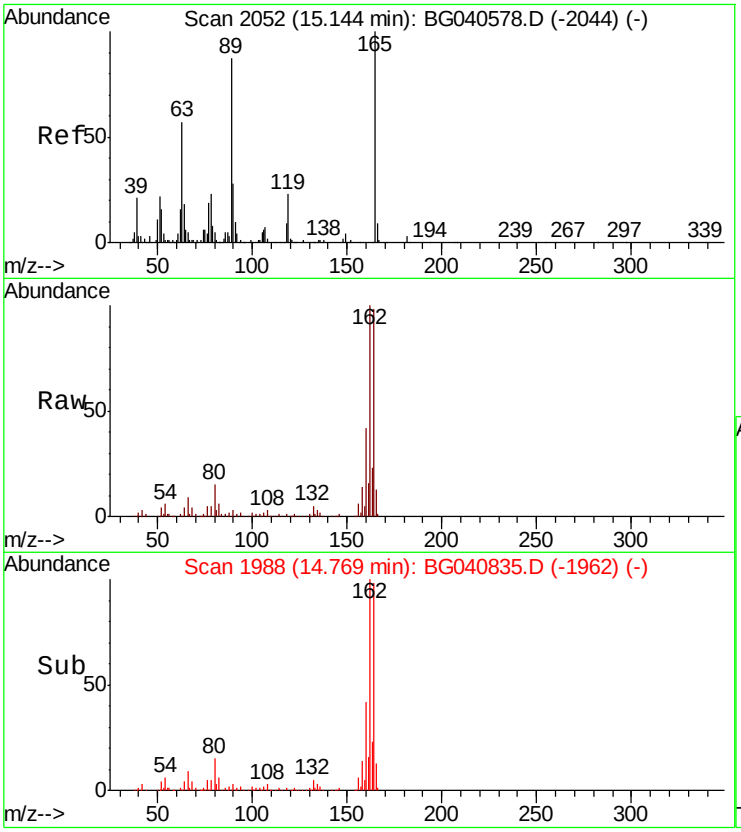


#50
Dimethylphthalate
Concen: 6.317 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:163 Resp: 93586

Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.8	5.8
164	10.3	8.8	13.2



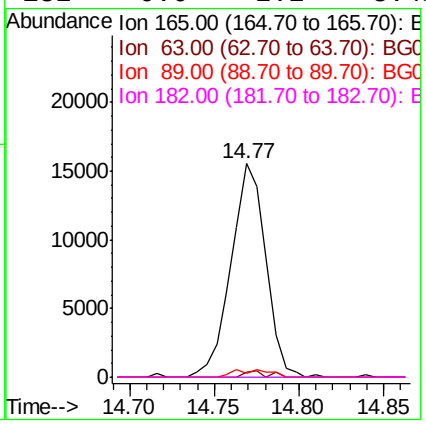


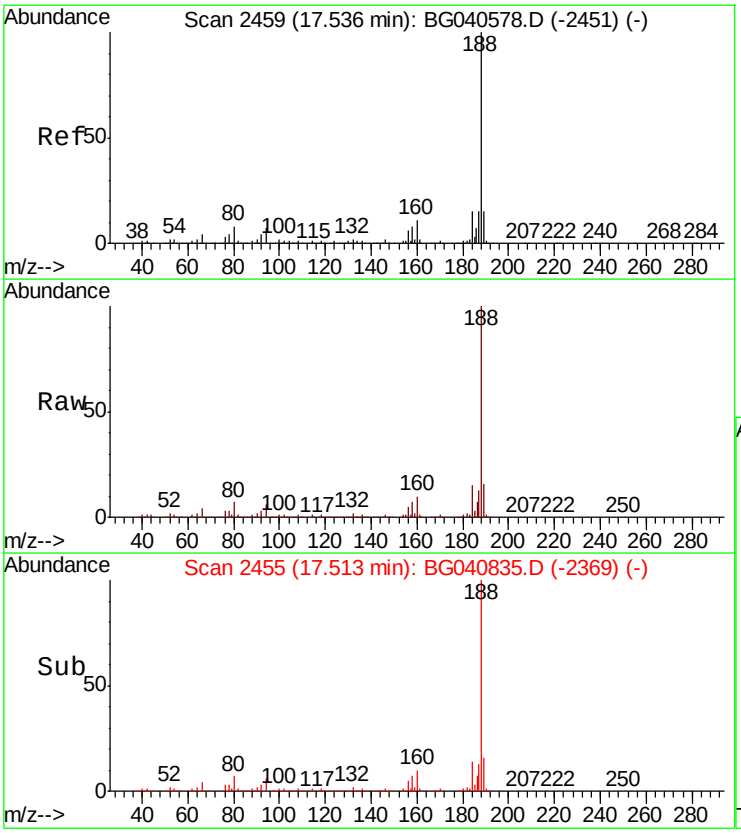
#57
2,4-Dinitrotoluene
Concen: 5.665 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:165 Resp: 22259

Ion	Ratio	Lower	Upper
165	100		
63	2.2	45.8	68.8#
89	2.0	69.4	104.2#
182	0.0	2.2	3.4#

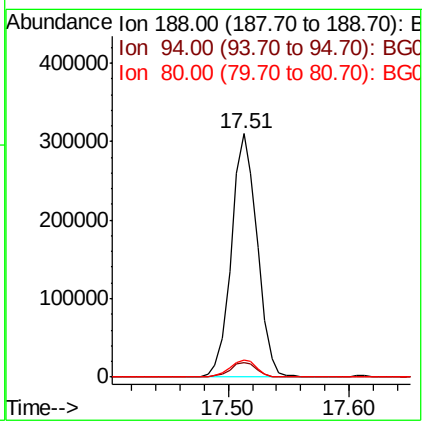


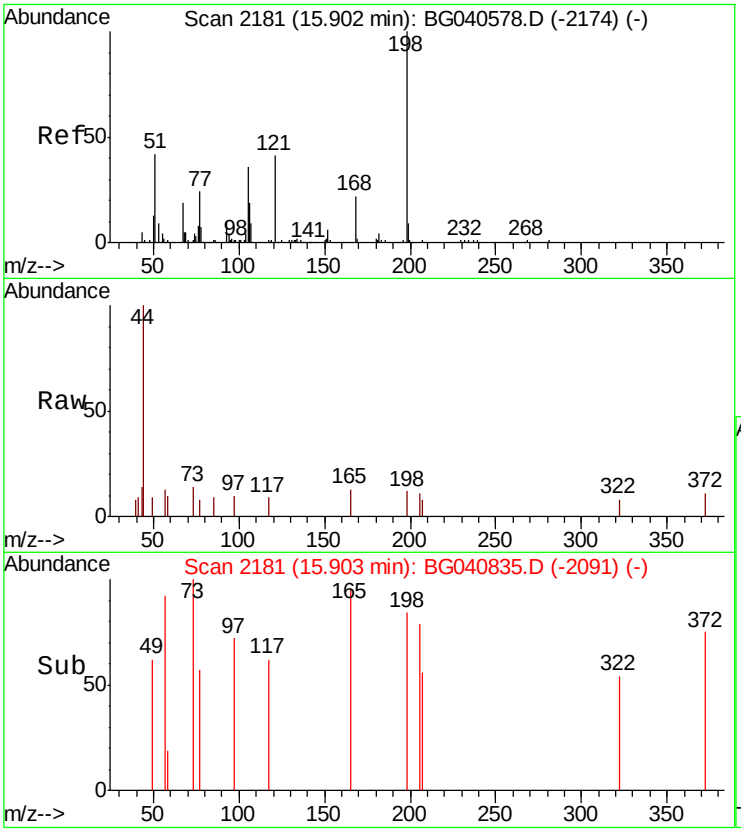


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:188 Resp: 461293

Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.6	8.4
80	7.2	6.4	9.6



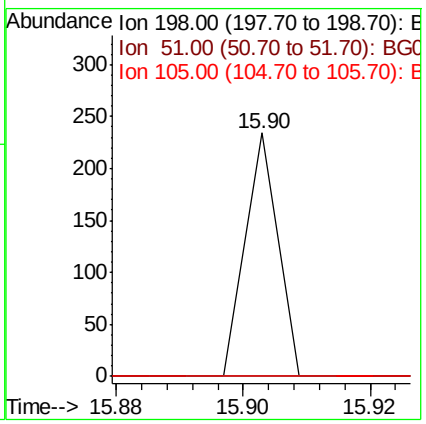


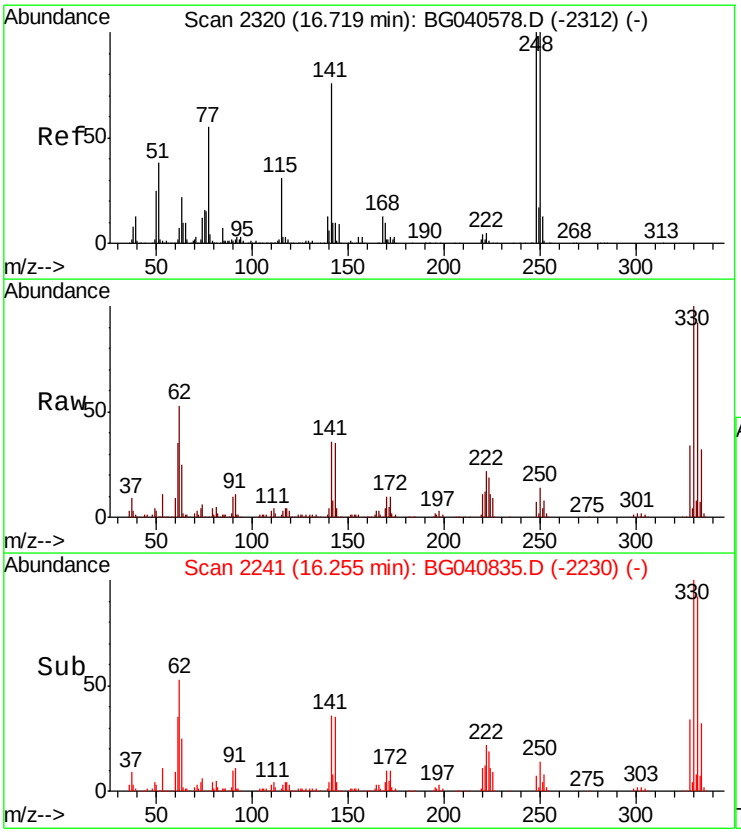
#65
4,6-Dinitro-2-methylphenol
Concen: 7.132 ng
RT: 15.90 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:198 Resp: 83

Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#

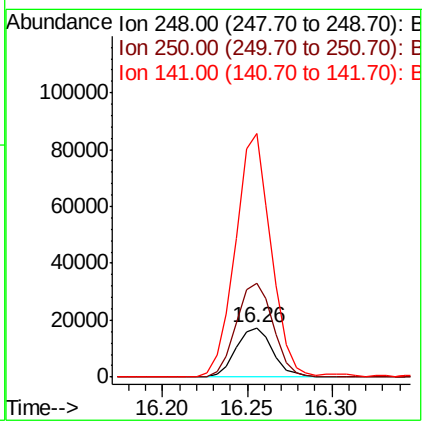


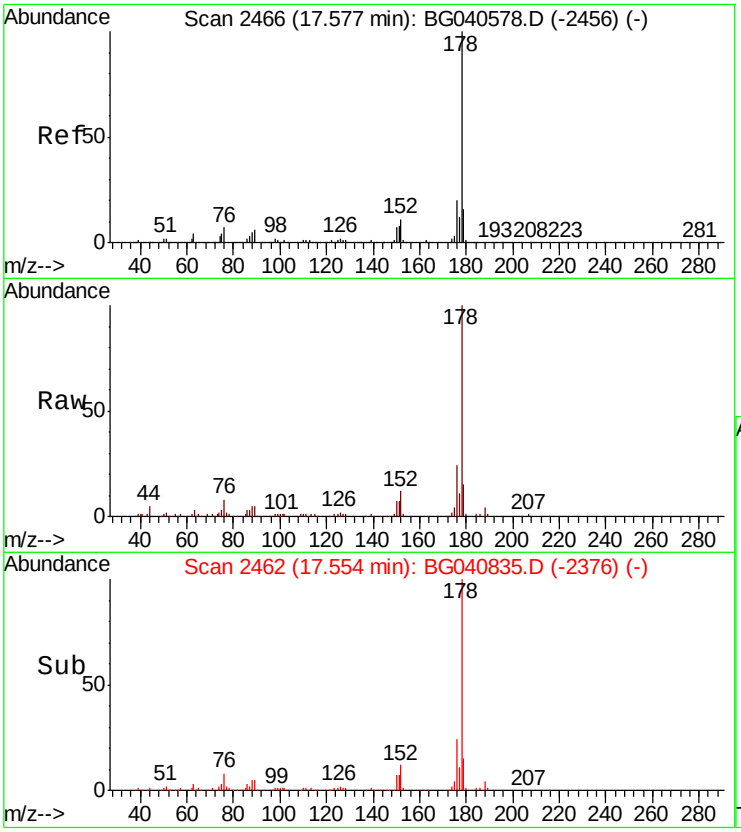


#67
4-Bromophenyl-phenylether
Concen: 4.530 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:248 Resp: 26035

Ion	Ratio	Lower	Upper
248	100		
250	190.3	79.8	119.6#
141	496.4	60.8	91.2#



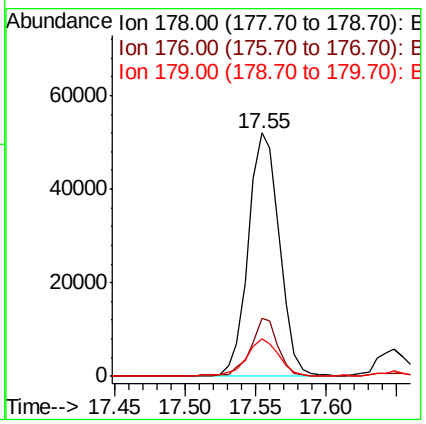


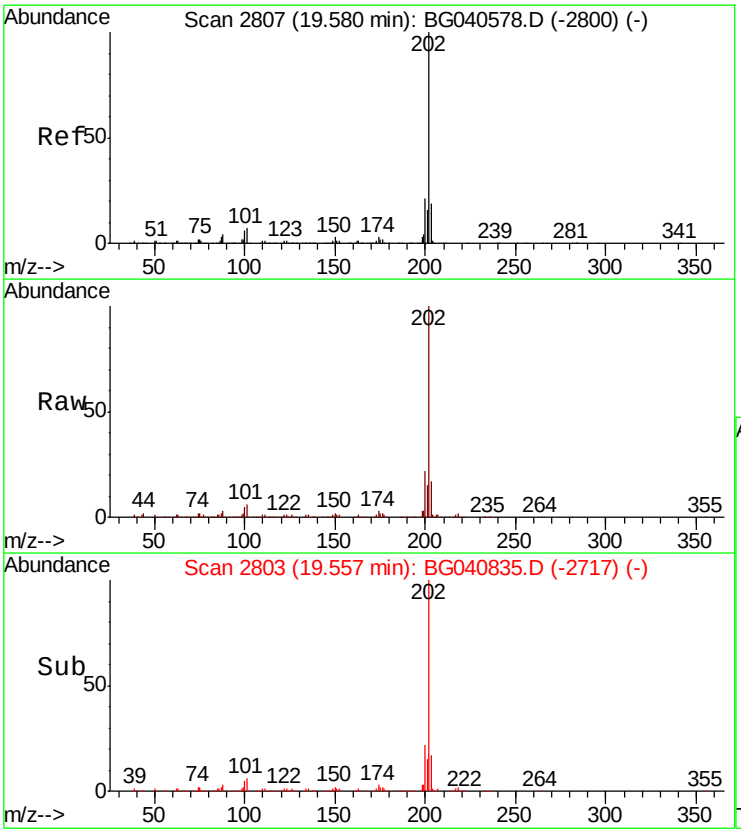
#71
Phenanthrene
Concen: 3.258 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:178 Resp: 80941

Ion	Ratio	Lower	Upper
178	100		
176	23.8	15.8	23.6#
179	15.4	12.6	18.8

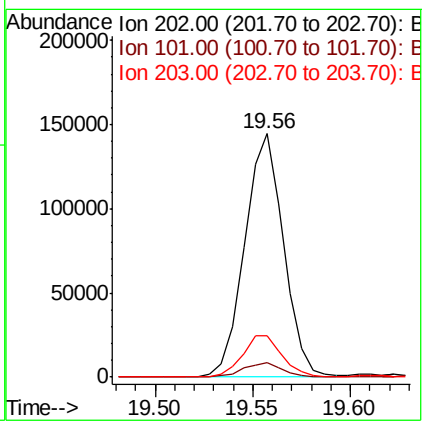


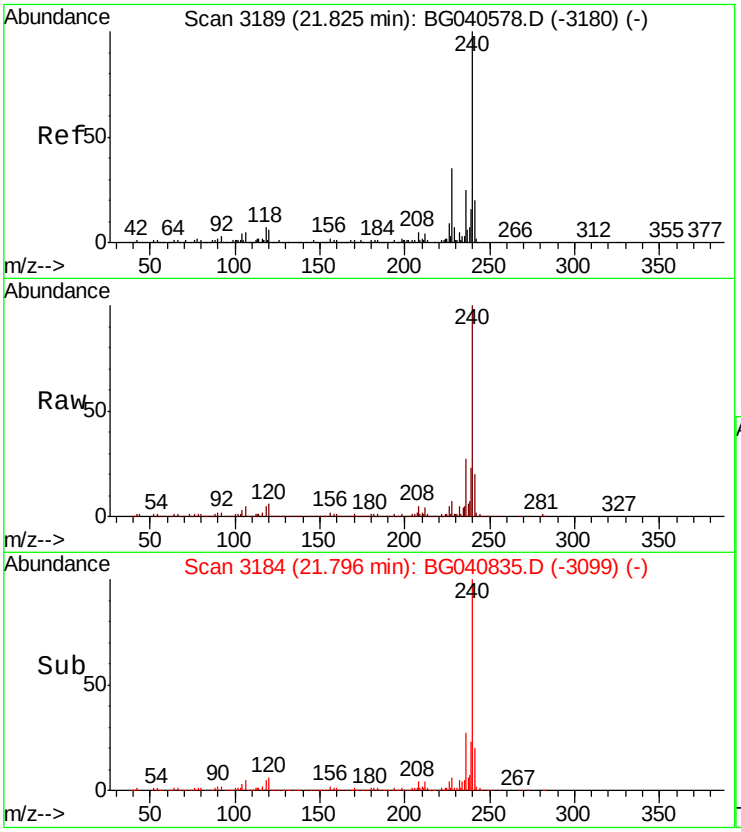


#75
Fluoranthene
Concen: 6.386 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:202 Resp: 197724

Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	27.5
203	17.3	0.0	39.3



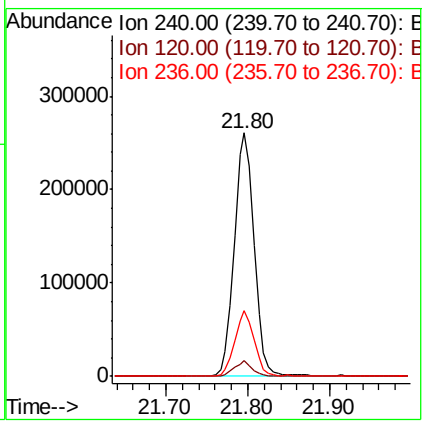


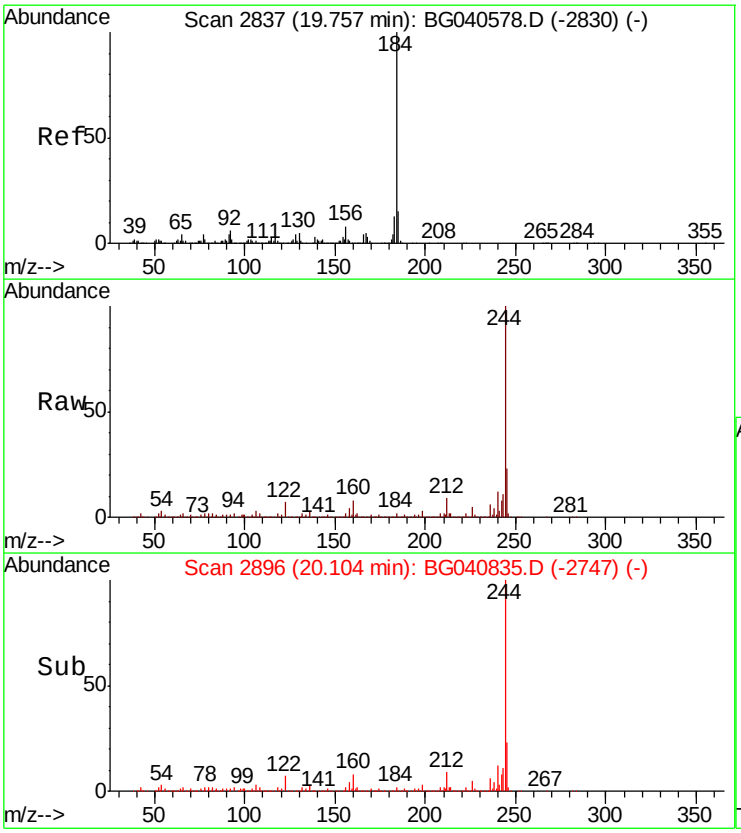
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:240 Resp: 441607

Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.0	7.6
236	27.0	20.3	30.5

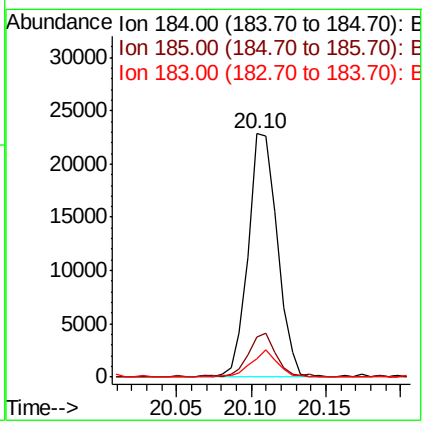


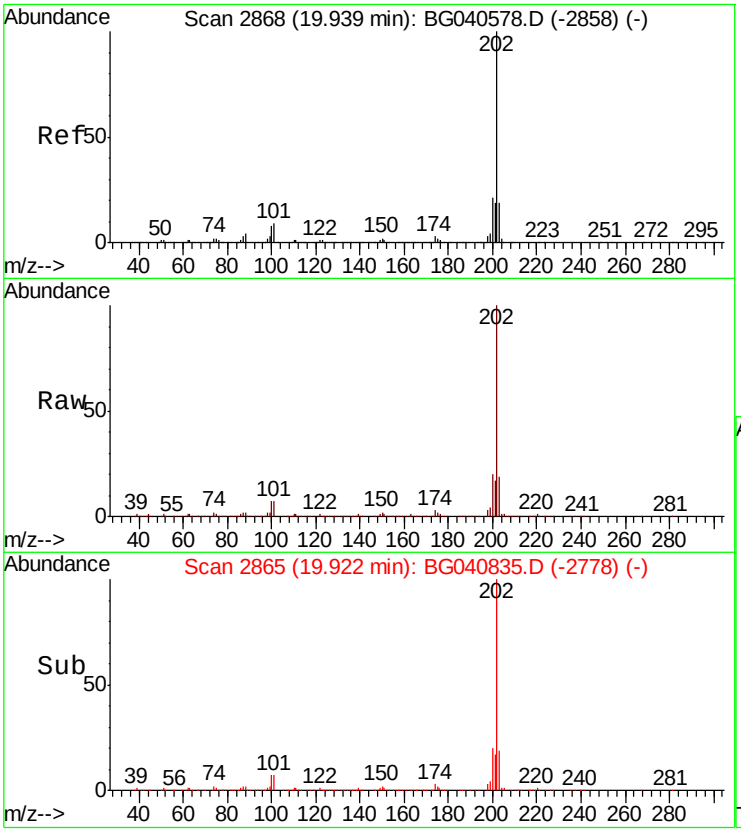


#77
Benzidine
Concen: 2.540 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:184 Resp: 30718

Ion	Ratio	Lower	Upper
184	100		
185	16.3	11.8	17.8
183	7.5	10.2	15.2#



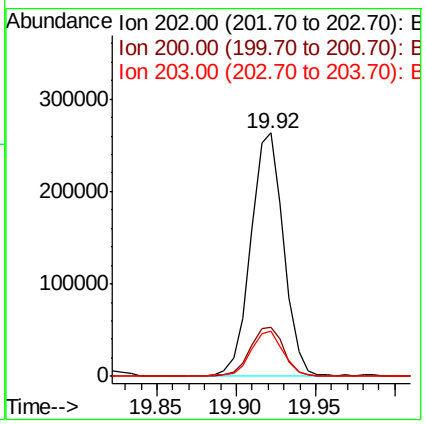


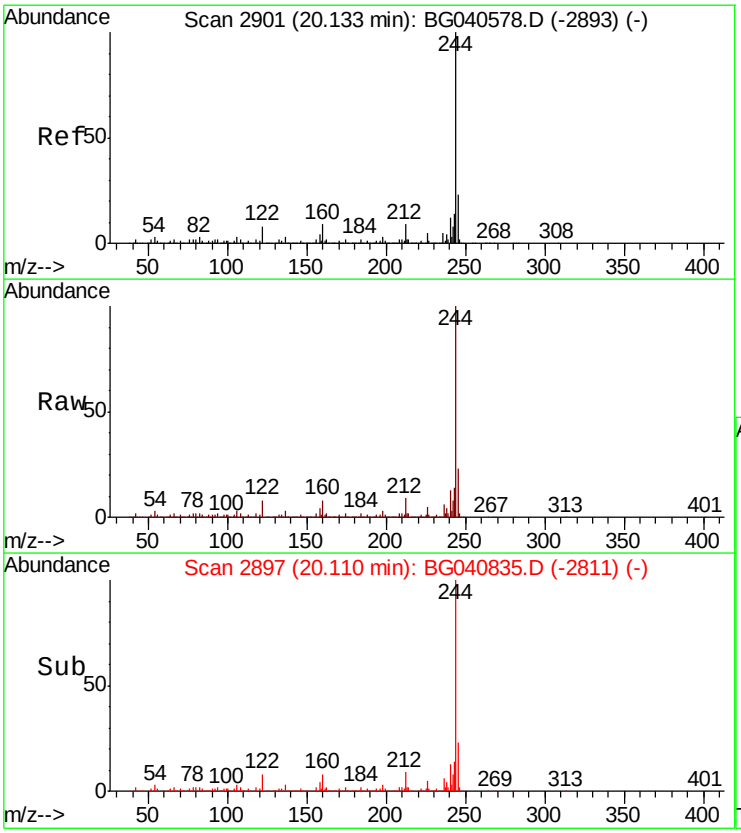
#78
Pyrene
Concen: 13.620 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:202 Resp: 376964

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.2	25.8
203	18.6	15.0	22.4

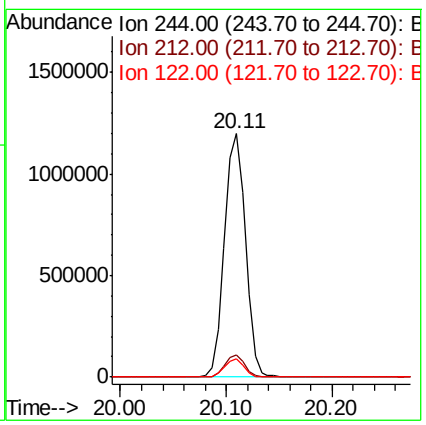


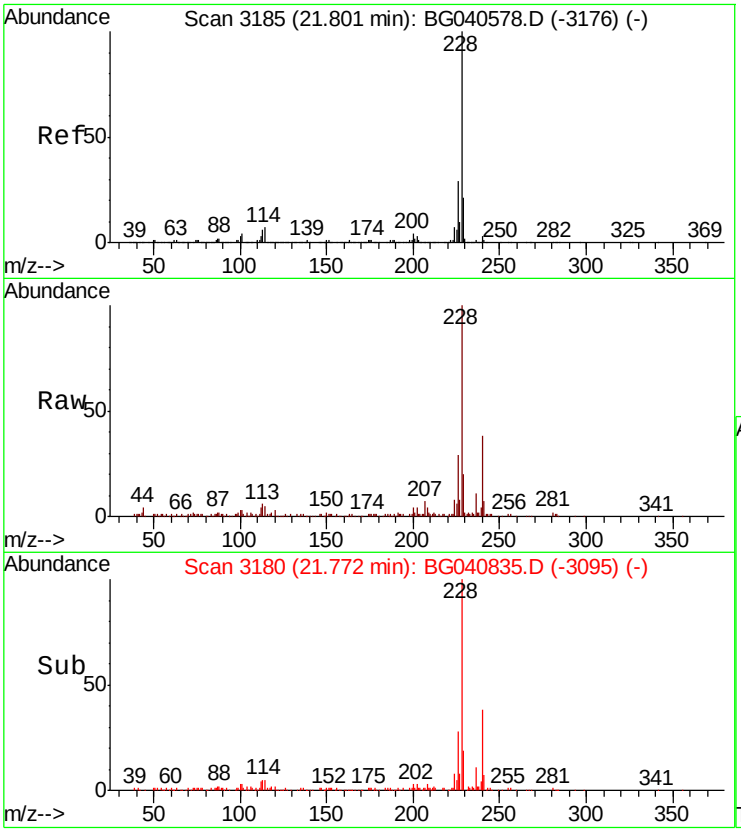


#79
Terphenyl-d14
Concen: 82.958 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:244 Resp: 1653633

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.2	10.8
122	7.5	6.6	10.0



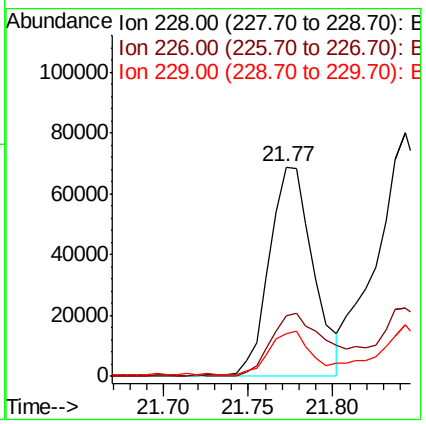


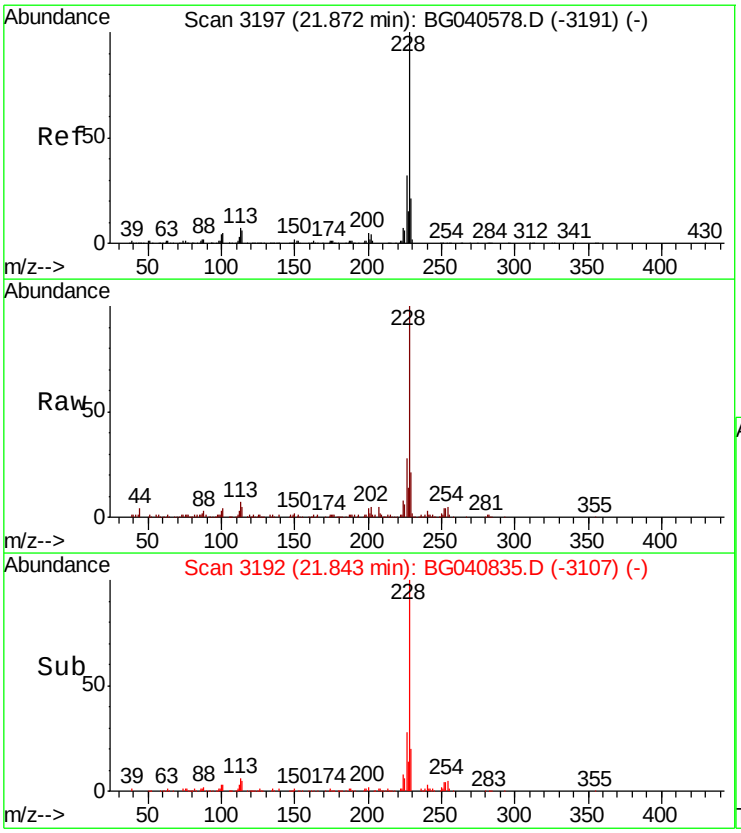
#81
Benzo(a)anthracene
Concen: 4.441 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:228 Resp: 123947

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.1	34.7
229	20.1	17.0	25.4

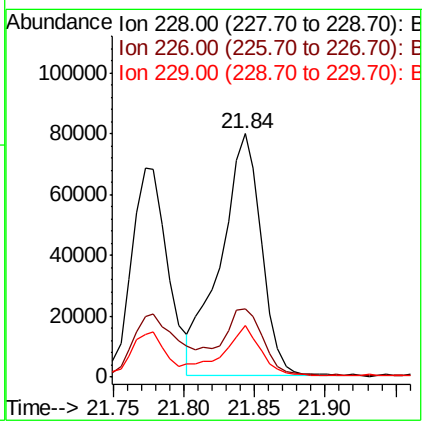


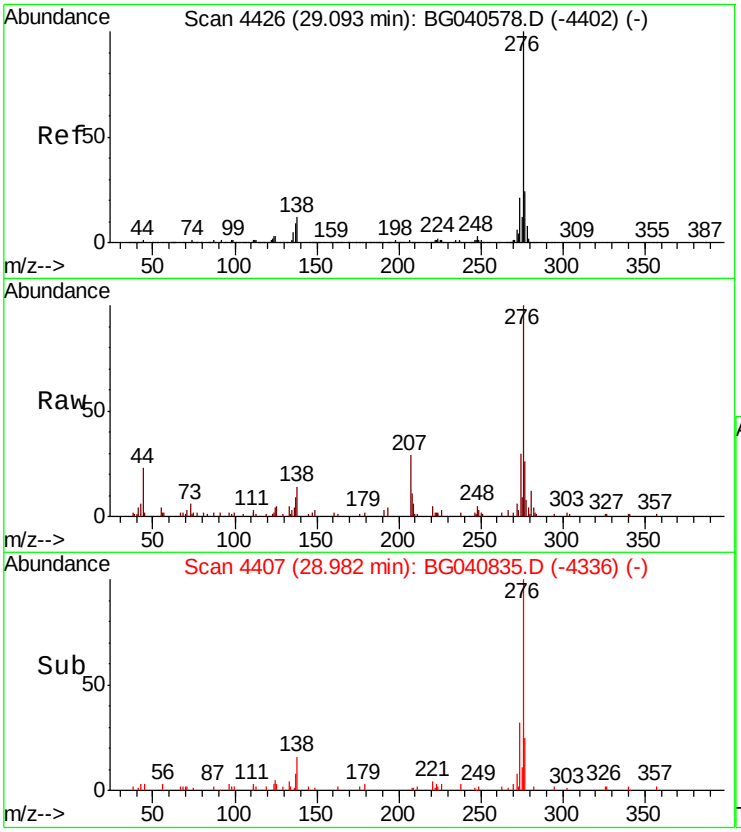


#83
Chrysene
Concen: 6.037 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:228 Resp: 160239

Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.5	38.3
229	21.2	16.8	25.2



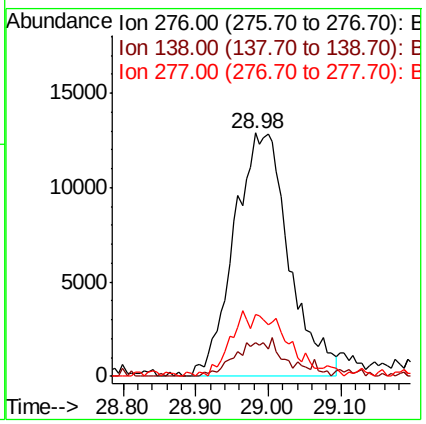


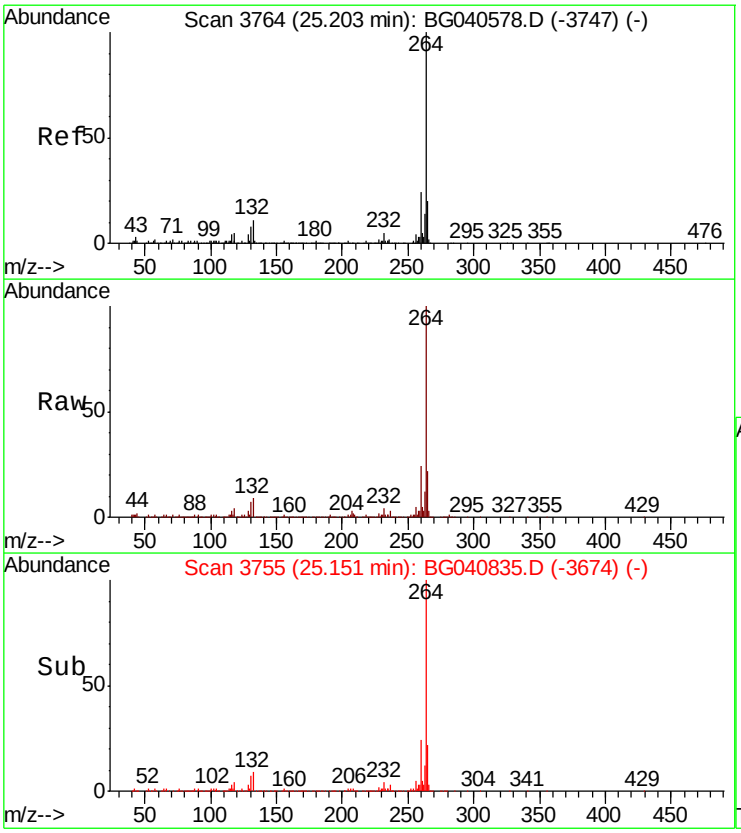
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.112 ng
RT: 28.98 min Scan# 4407
Delta R.T. -0.11 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:276 Resp: 67786

Ion	Ratio	Lower	Upper
276	100		
138	6.8	9.8	14.6#
277	10.1	17.3	25.9#

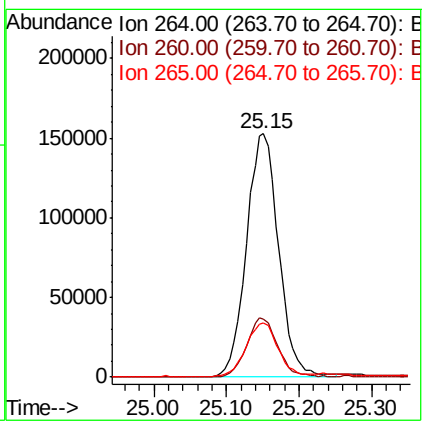


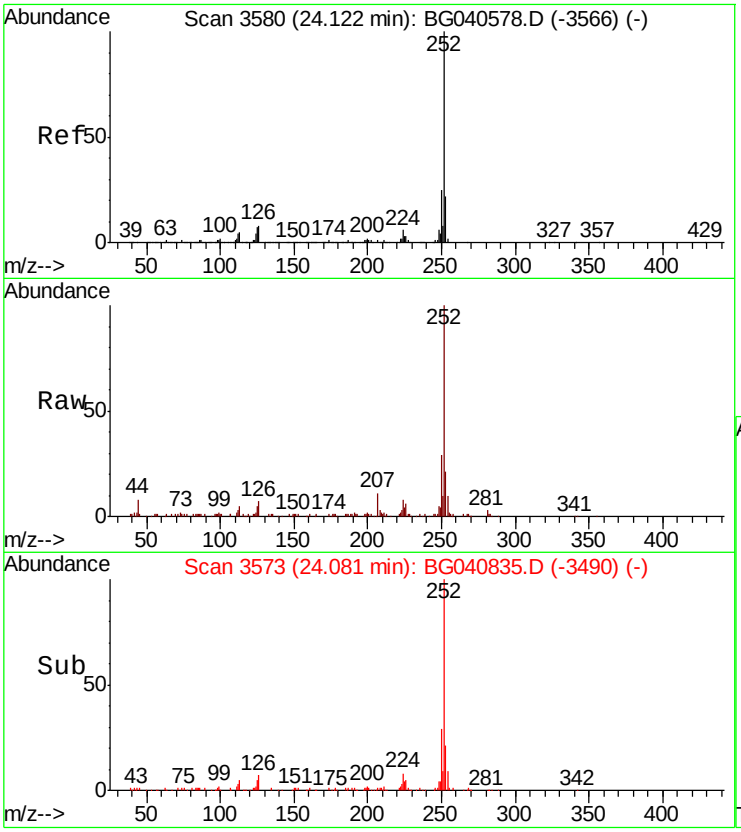


#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:264 Resp: 471270

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	16.6	25.0



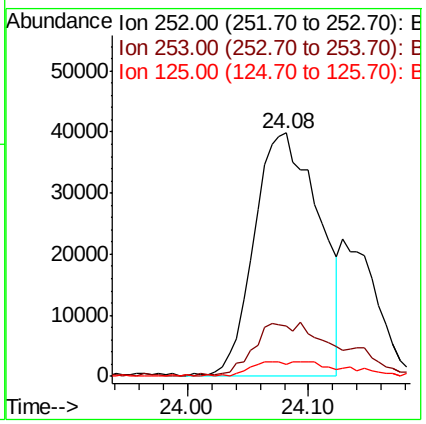


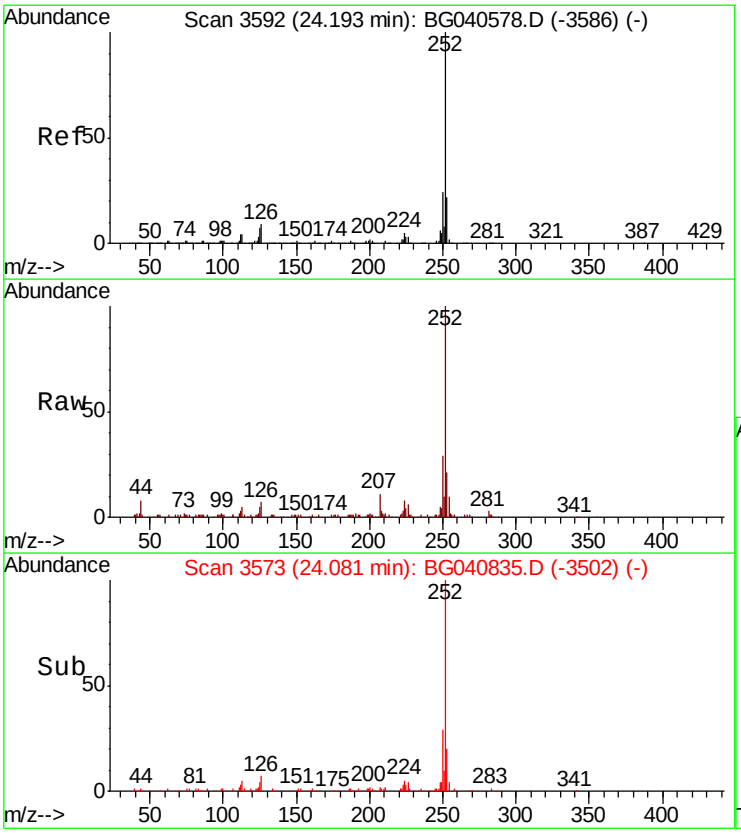
#88
Benzo(b)fluoranthene
Concen: 5.158 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.04 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:252 Resp: 148535

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	4.9	5.4	8.0#

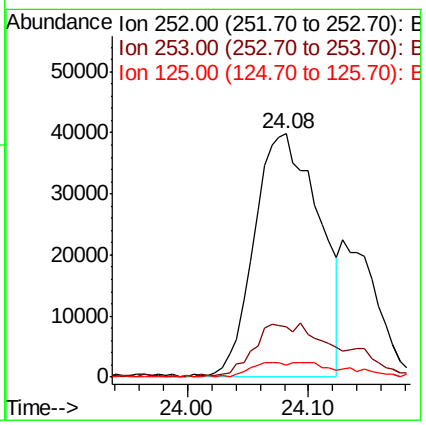


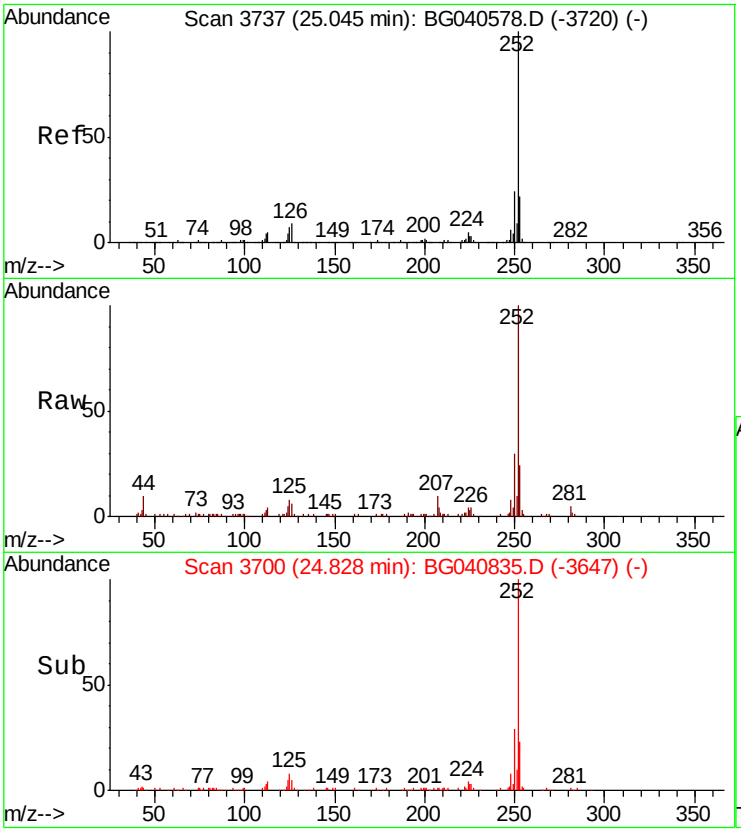


#89
Benzo(k)fluoranthene
Concen: 5.523 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.11 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:252 Resp: 148535

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	4.9	5.5	8.3#



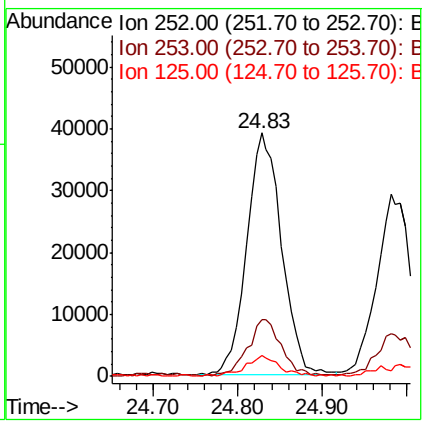


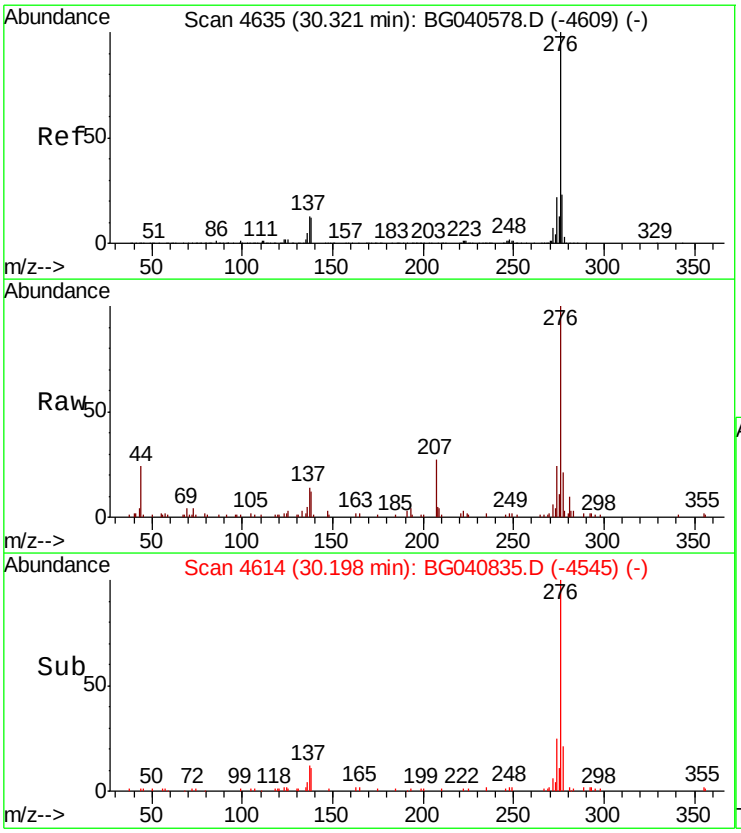
#90
Benzo(a)pyrene
Concen: 4.122 ng
RT: 24.83 min Scan# 3700
Delta R.T. -0.22 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tgt Ion:252 Resp: 112377

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	8.4	5.7	8.5





#92
Benzo(g,h,i)perylene
Concen: 2.887 ng
RT: 30.20 min Scan# 4614
Delta R.T. -0.12 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:276 Resp: 79266

Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.4	27.6
138	11.6	9.8	14.6