Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043478.D
Acq On : 1 Nov 2019 23:06
Operator : JU
Sample : K5541-17 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 18-48-(0-2.5)

Quant Time: Nov 22 05:38:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 19 15:23:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	53176	20.00	ng		0.03
21) Naphthalene-d8	10.82	136	196693	20.00	ng		0.03
39) Acenaphthene-d10	14.64	164	136876	20.00	ng		0.02
64) Phenanthrene-d10	17.39	188	292571	20.00	ng		0.02
76) Chrysene-d12	21.65	240	301241	20.00	ng		0.02
87) Perylene-d12	24.86	264	365337	20.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	42207	14.54	ng		0.03
7) Phenol-d6	7.20	99	58471	14.00	ng		0.01
23) Nitrobenzene-d5	9.18	82	35279	9.25	ng		0.03
42) 2,4,6-Tribromophenol	16.14	330	31864	12.23	ng		0.02
45) 2-Fluorobiphenyl	13.27	172	90103	9.10	ng		0.03
79) Terphenyl-d14	20.00	244	146608	9.13	ng		0.01
Target Compounds							Qvalue
32) Benzoic acid	10.34	122	59	9.074	ng	#	1
51) 2,6-Dinitrotoluene	14.64	165	17950	7.793	ng	#	26
57) 2,4-Dinitrotoluene	14.64	165	17950	5.453	ng	#	26
75) Fluoranthene	19.44	202	70933	3.632	ng		98
78) Pyrene	19.80	202	68803	3.690	ng		98
81) Benzo(a)anthracene	21.64	228	45690	2.421	ng		96
83) Chrysene	21.64	228	45690	2.437	ng		96
88) Benzo(b)fluoranthene	23.85	252	60173	2.908	ng	#	82
89) Benzo(k)fluoranthene	23.85	252	60173	2.889	ng	#	83
90) Benzo(a)pyrene	24.70	252	45146	2.285	ng	#	90

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
Data File : BG043478.D
Acq On : 1 Nov 2019 23:06
Operator : JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Quant Time: Nov 22 05:38:10 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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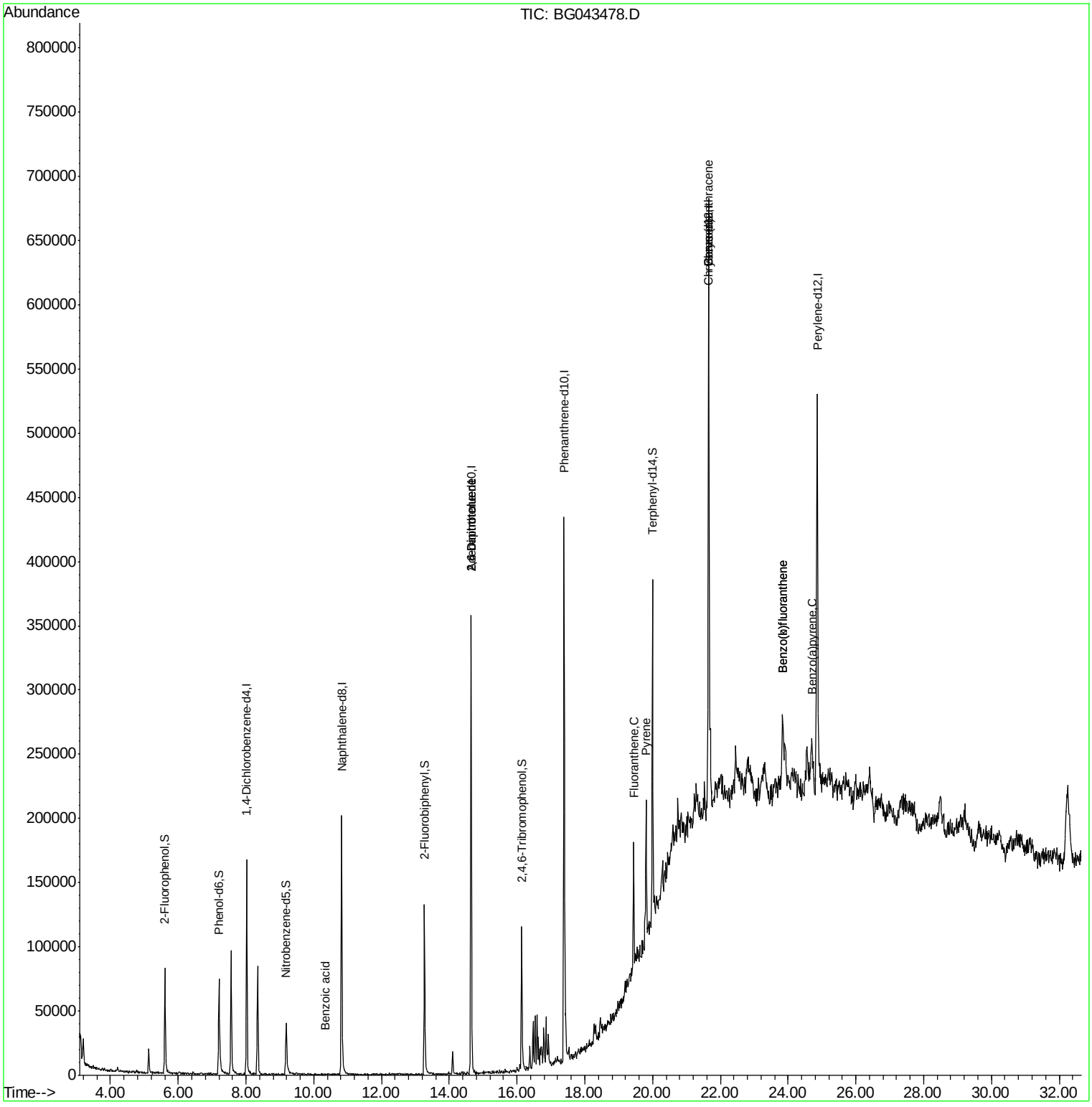
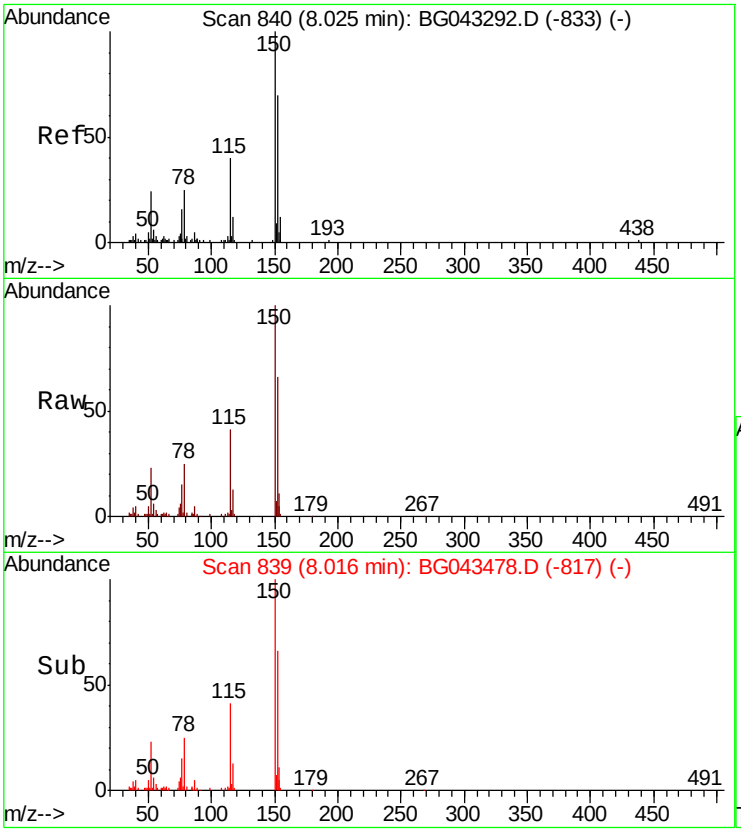
Response via : Initial Calibration



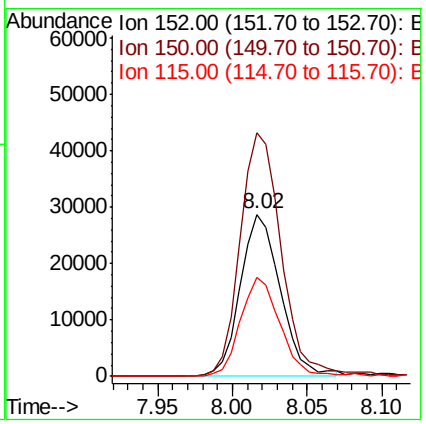


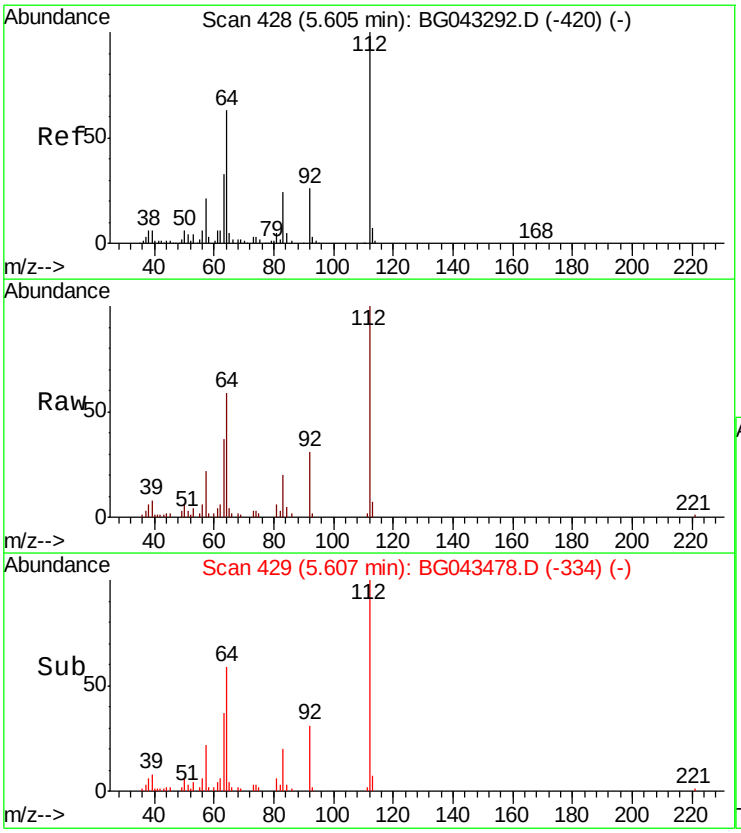
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:152 Resp: 53176

Ion	Ratio	Lower	Upper
152	100		
150	150.5	116.6	175.0
115	61.2	40.5	60.7#

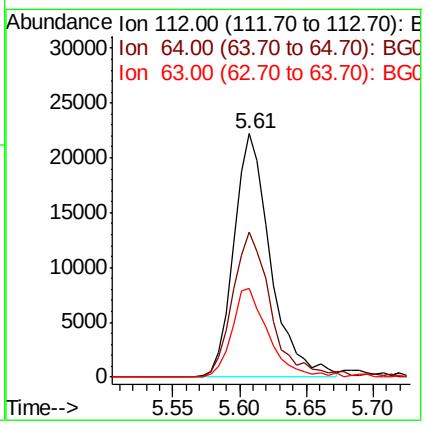


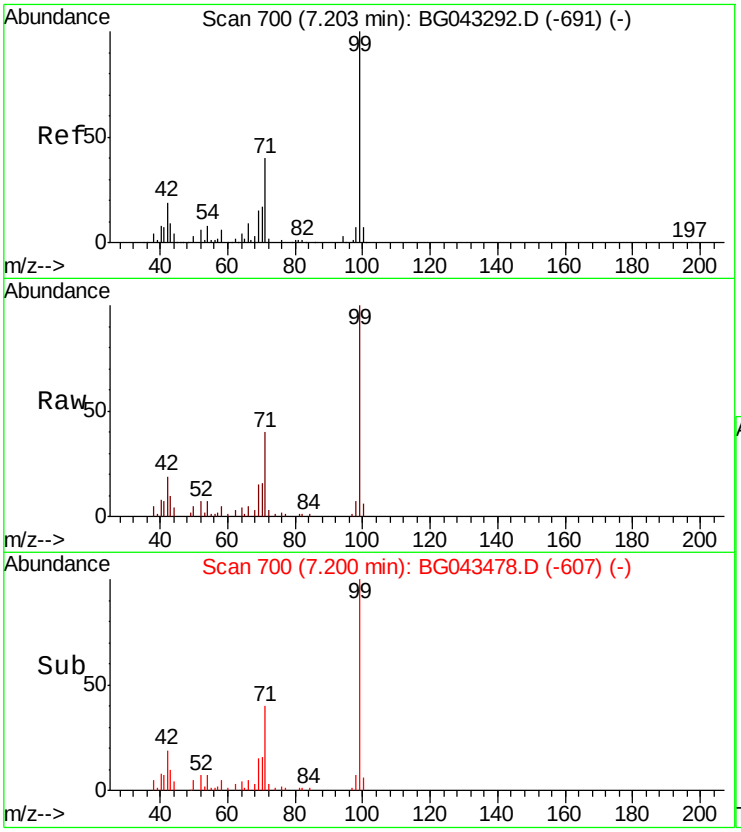


#5
2-Fluorophenol
Concen: 14.545 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:112 Resp: 42207

Ion	Ratio	Lower	Upper
112	100		
64	59.4	50.6	75.8
63	36.7	30.5	45.7



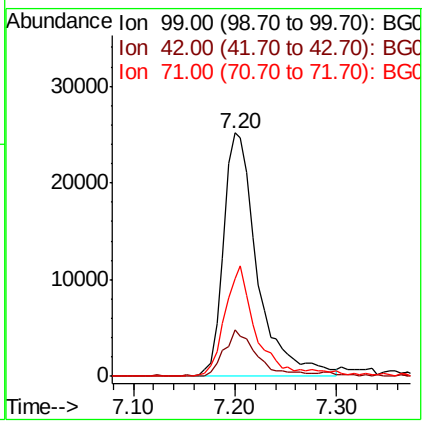


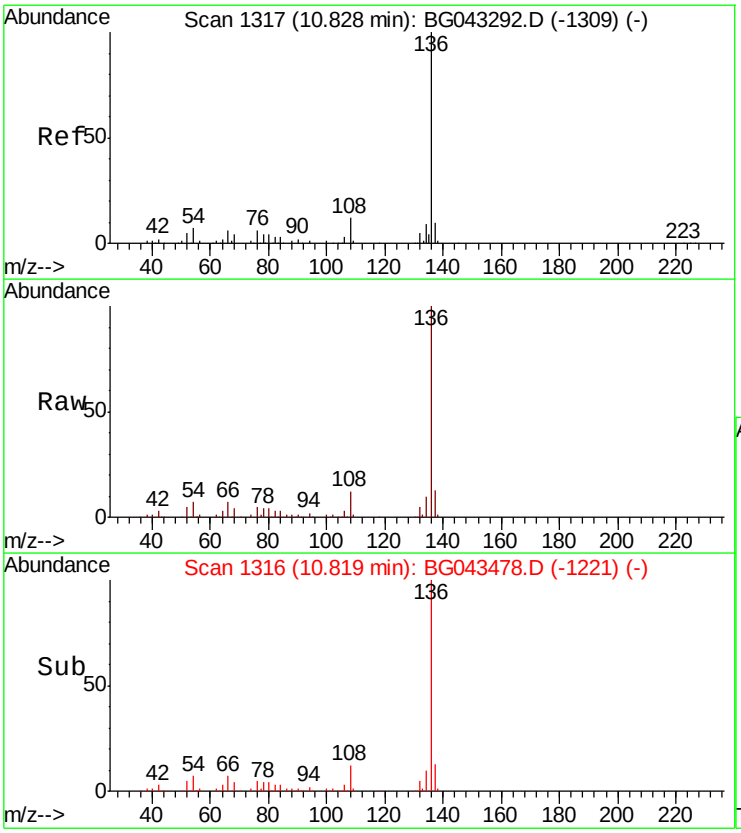
#7
Phenol-d6
Concen: 14.004 ng
RT: 7.20 min Scan# 700
Delta R.T. 0.01 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion: 99 Resp: 58471

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.8
71	40.4	34.4	51.6

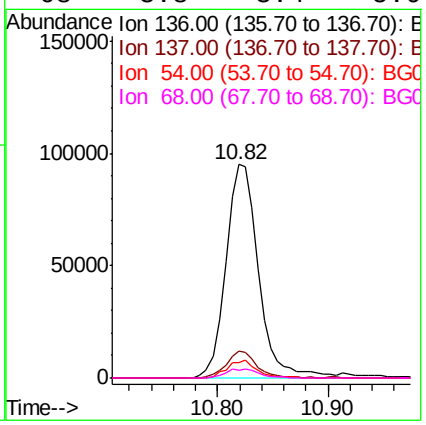


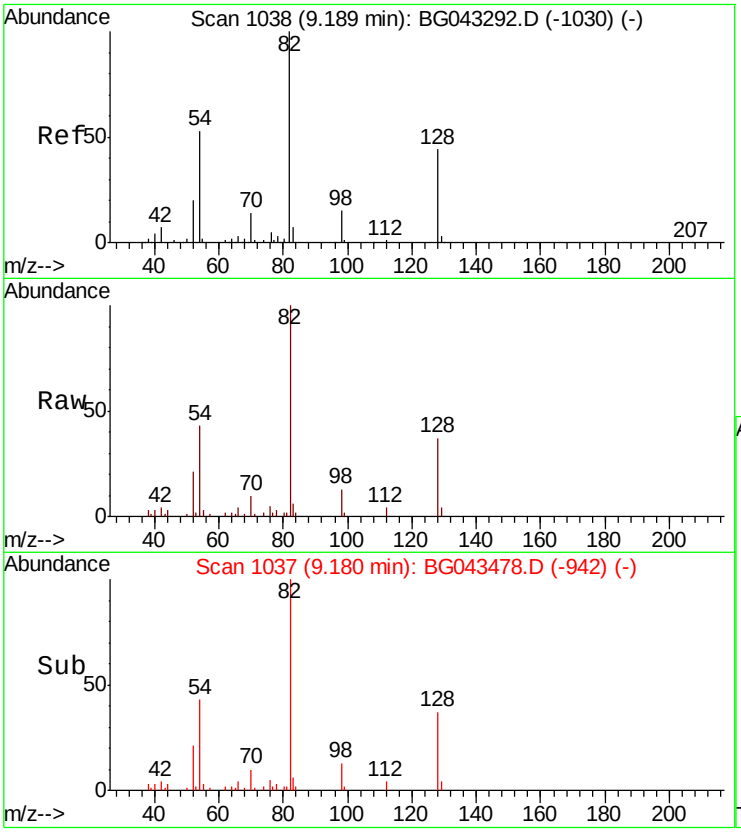


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:136 Resp: 196693

Ion	Ratio	Lower	Upper
136	100		
137	12.7	8.8	13.2
54	7.2	6.2	9.2
68	3.8	3.4	5.0



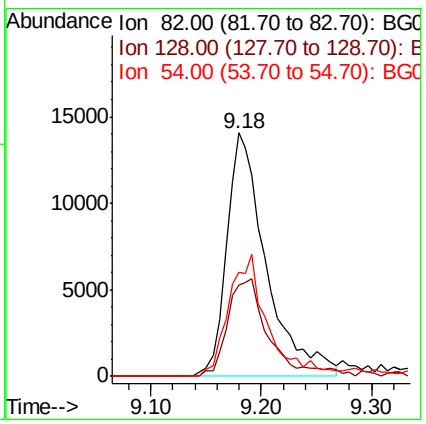


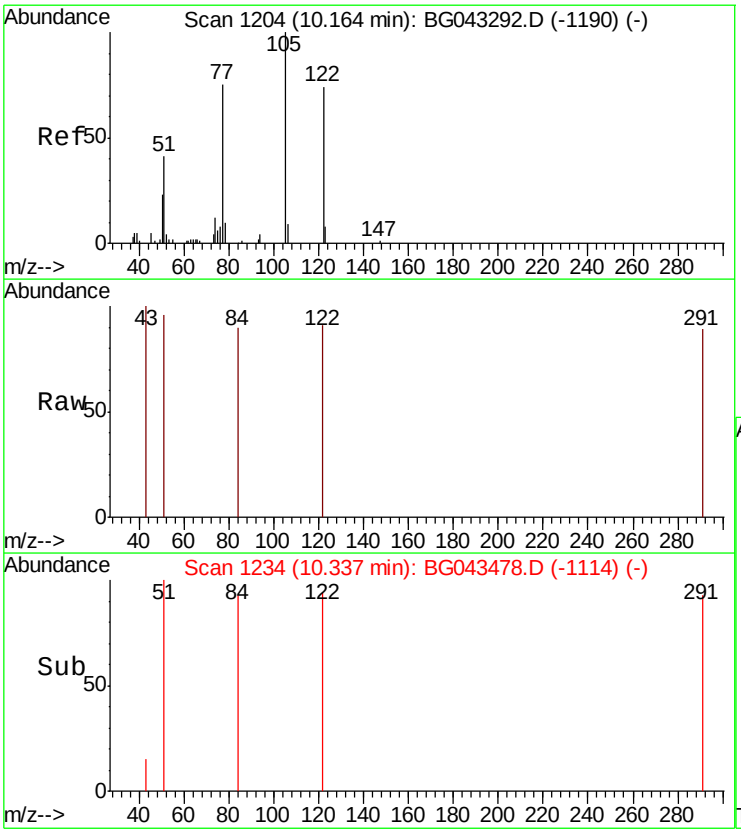
#23
Nitrobenzene-d5
Concen: 9.247 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion: 82 Resp: 35279

Ion	Ratio	Lower	Upper
82	100		
128	37.4	34.2	51.4
54	43.0	44.7	67.1#

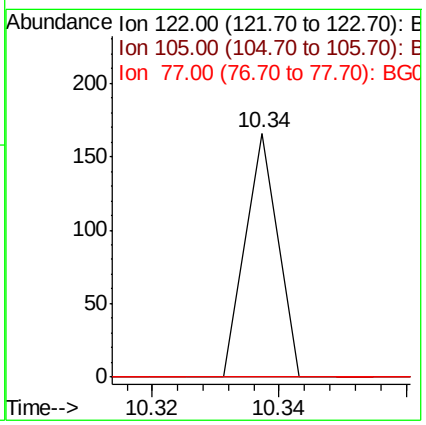


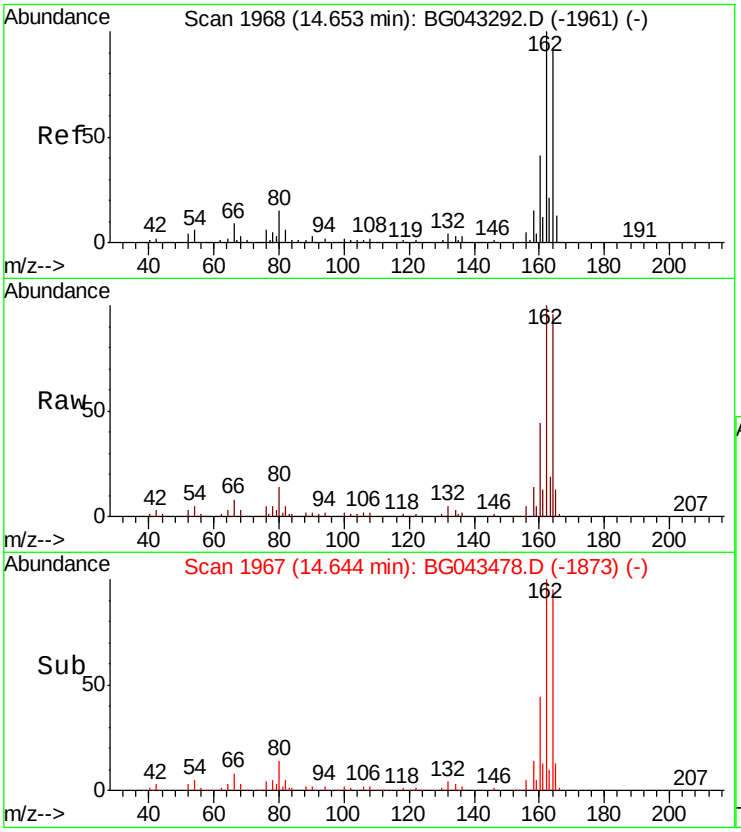


#32
Benzoic acid
Concen: 9.074 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.17 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:122 Resp: 59

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	86.8	126.8#



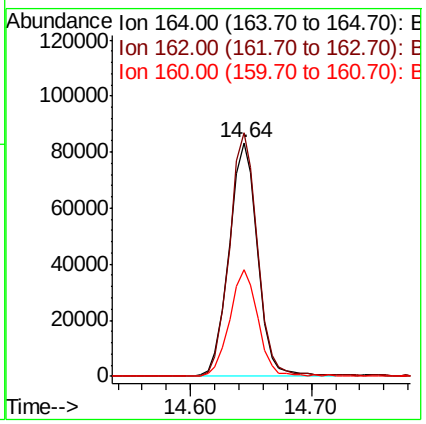


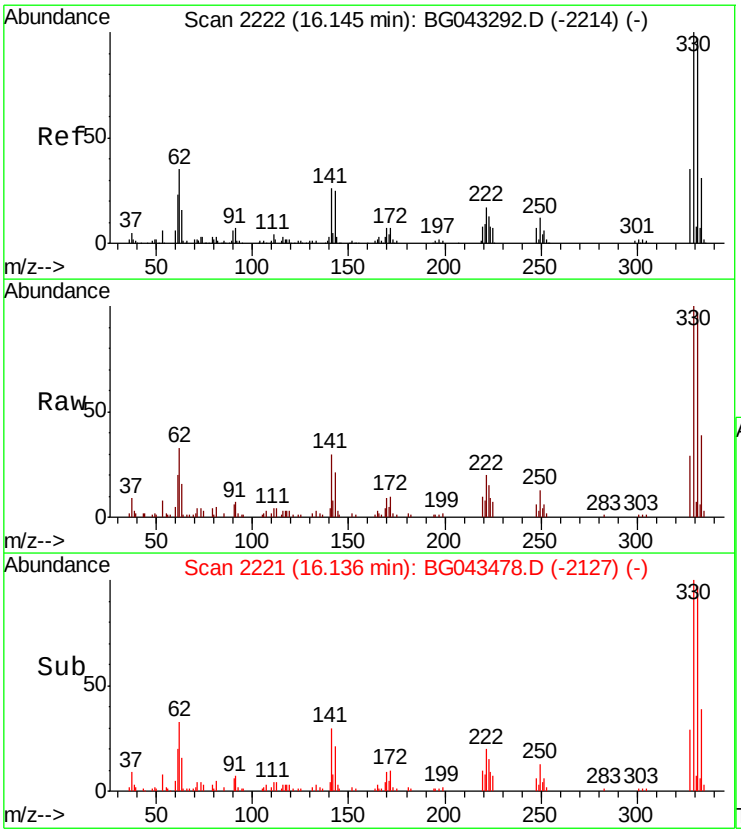
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1967
Delta R.T. 0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:164 Resp: 136876

Ion	Ratio	Lower	Upper
164	100		
162	104.2	79.4	119.2
160	45.8	36.3	54.5

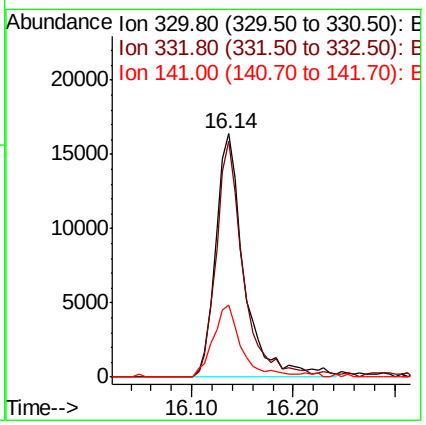


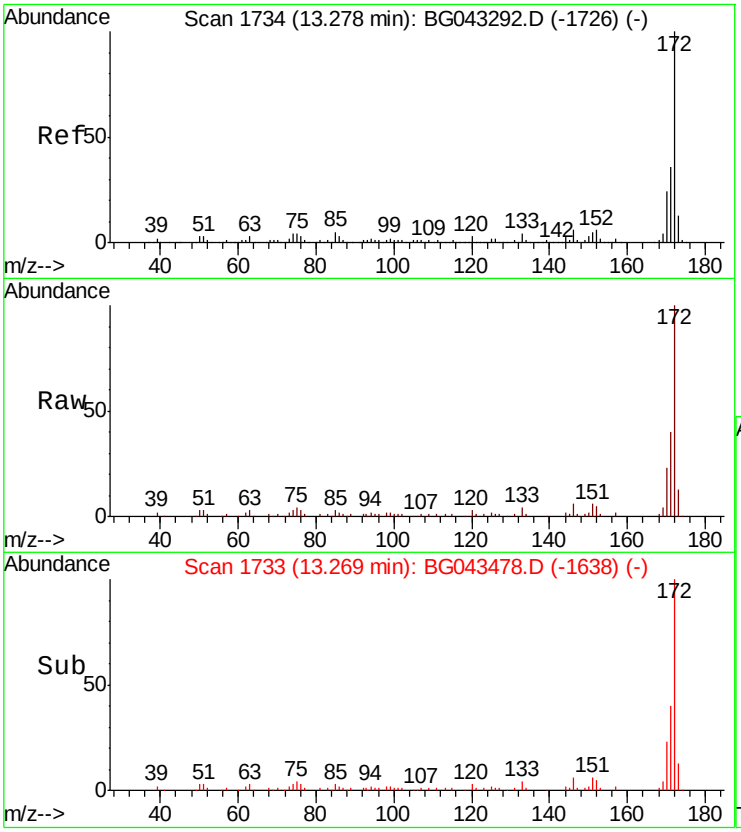


#42
2,4,6-Tribromophenol
Concen: 12.233 ng
RT: 16.14 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:330 Resp: 31864

Ion	Ratio	Lower	Upper
330	100		
332	91.9	76.6	115.0
141	29.0	23.4	35.2



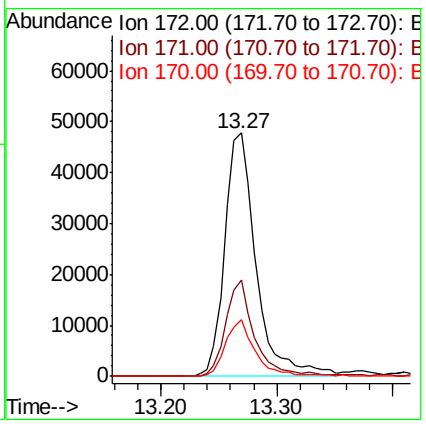


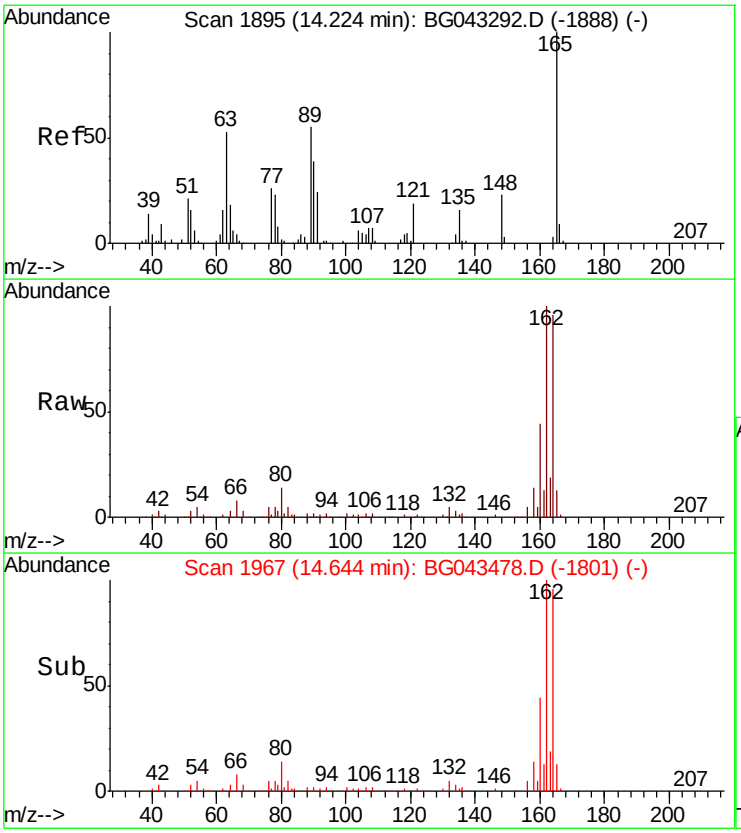
#45
2-Fluorobiphenyl
Concen: 9.096 ng
RT: 13.27 min Scan# 1733
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:172 Resp: 90103

Ion	Ratio	Lower	Upper
172	100		
171	39.5	28.1	42.1
170	23.1	18.8	28.2

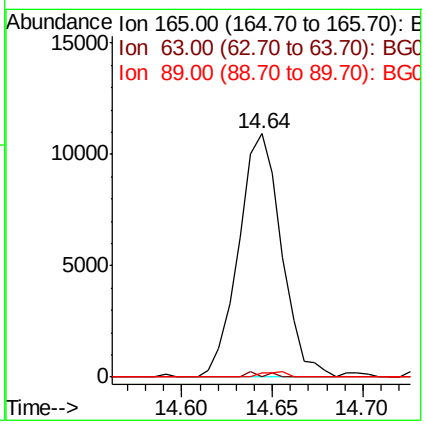


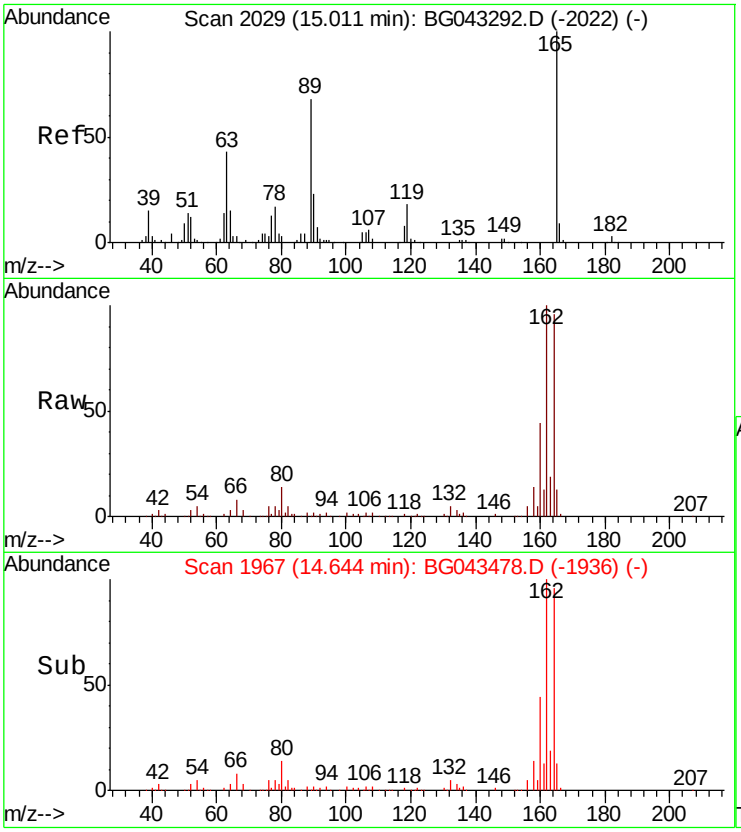


#51
2,6-Dinitrotoluene
Concen: 7.793 ng
RT: 14.64 min Scan# 1967
Delta R.T. 0.44 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:165 Resp: 17950

Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	1.7	39.8	59.8#



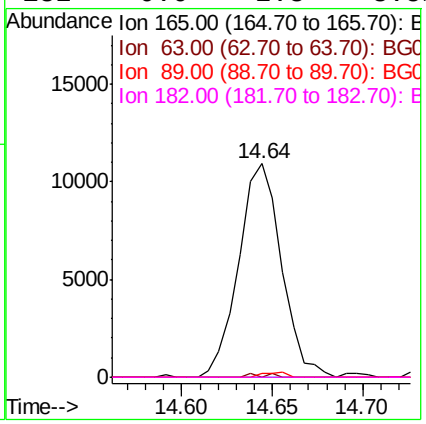


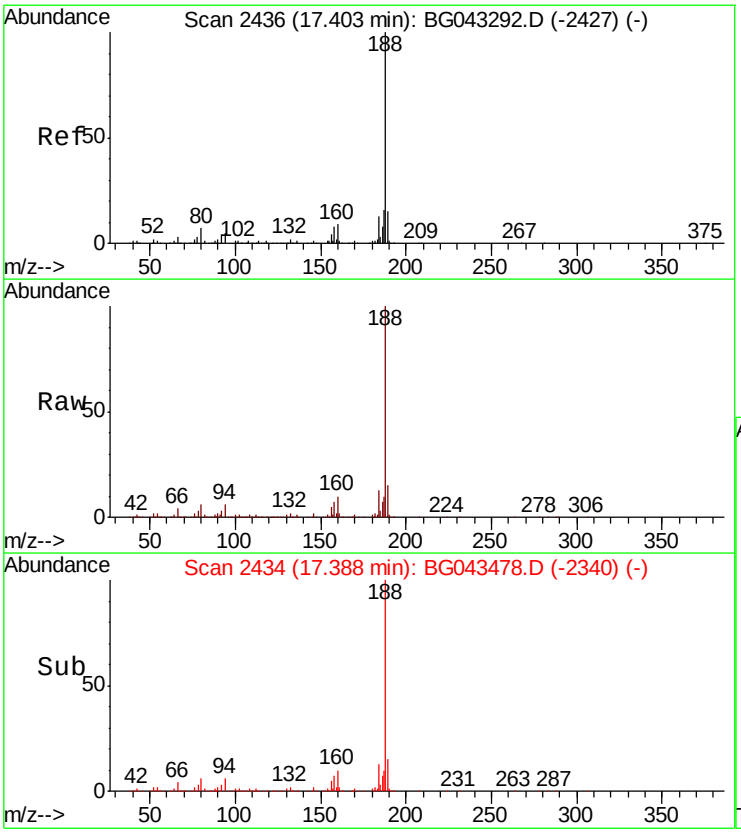
#57
2,4-Dinitrotoluene
Concen: 5.453 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.35 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:165 Resp: 17950

Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	1.7	50.9	76.3#
182	0.0	2.3	3.5#

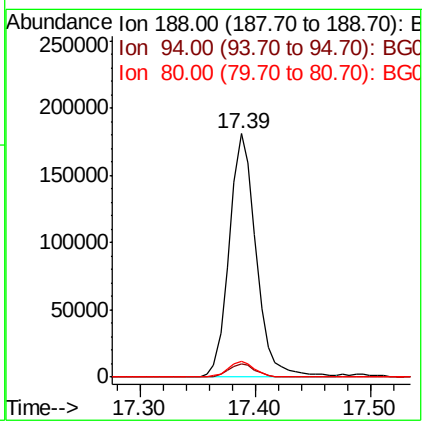


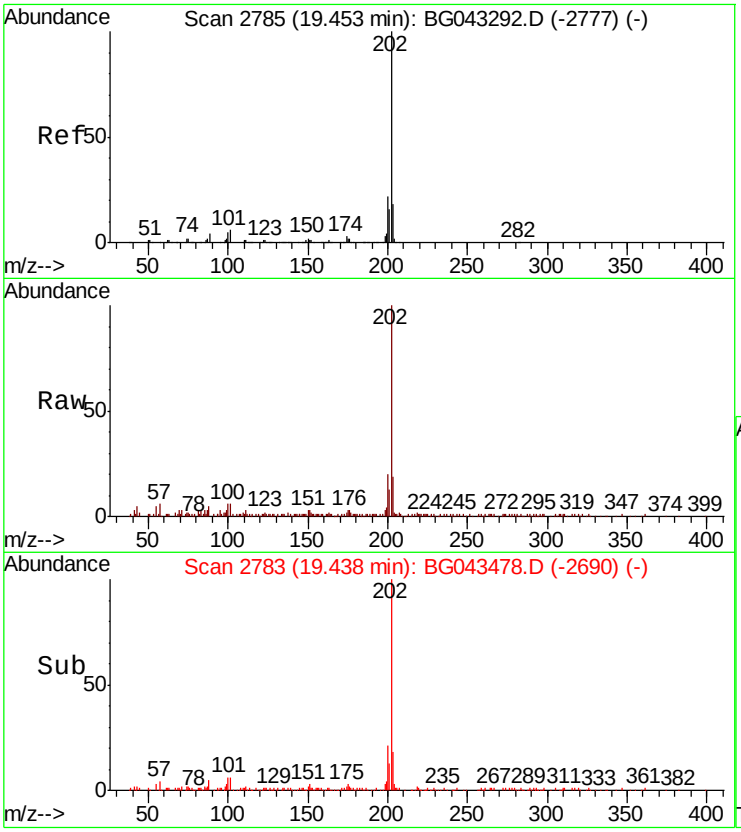


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. 0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:188 Resp: 292571

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.6	7.0
80	6.4	5.2	7.8



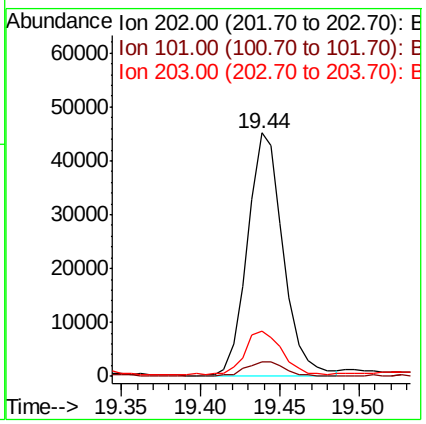


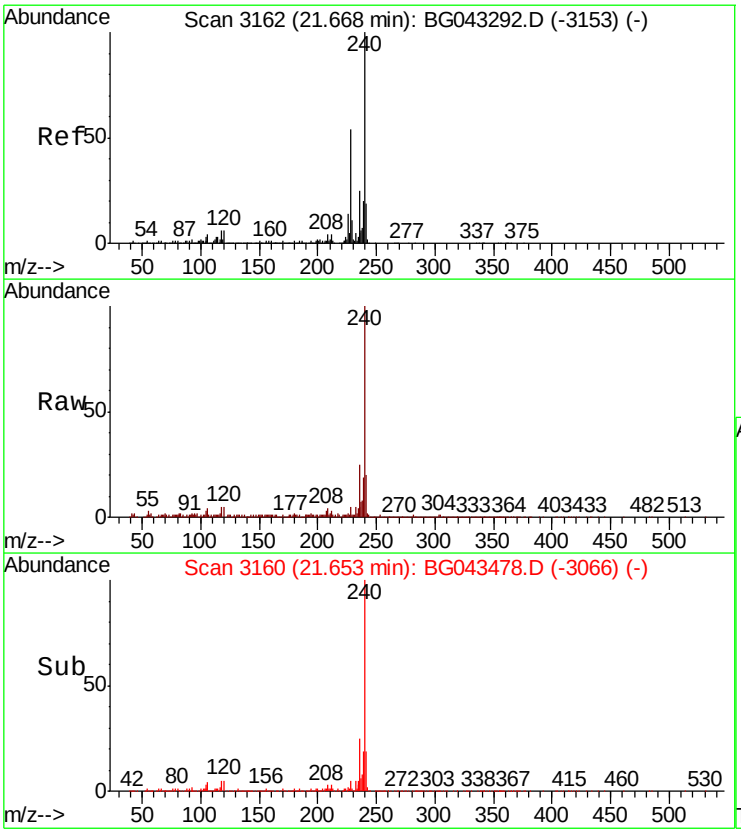
#75
Fluoranthene
Concen: 3.632 ng
RT: 19.44 min Scan# 2783
Delta R.T. 0.01 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:202 Resp: 70933

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	25.6
203	18.6	0.0	37.6

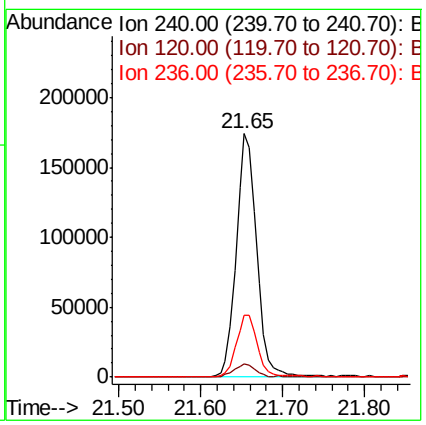


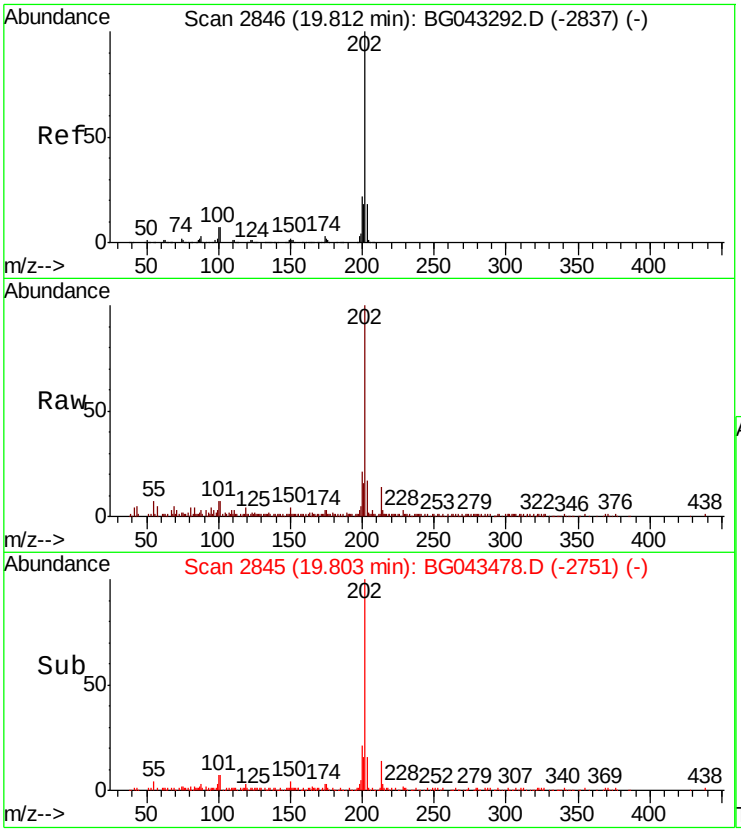


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:240 Resp: 301241

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.9	7.3
236	25.4	21.4	32.0



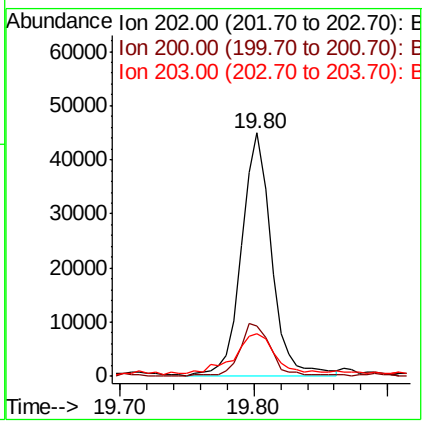


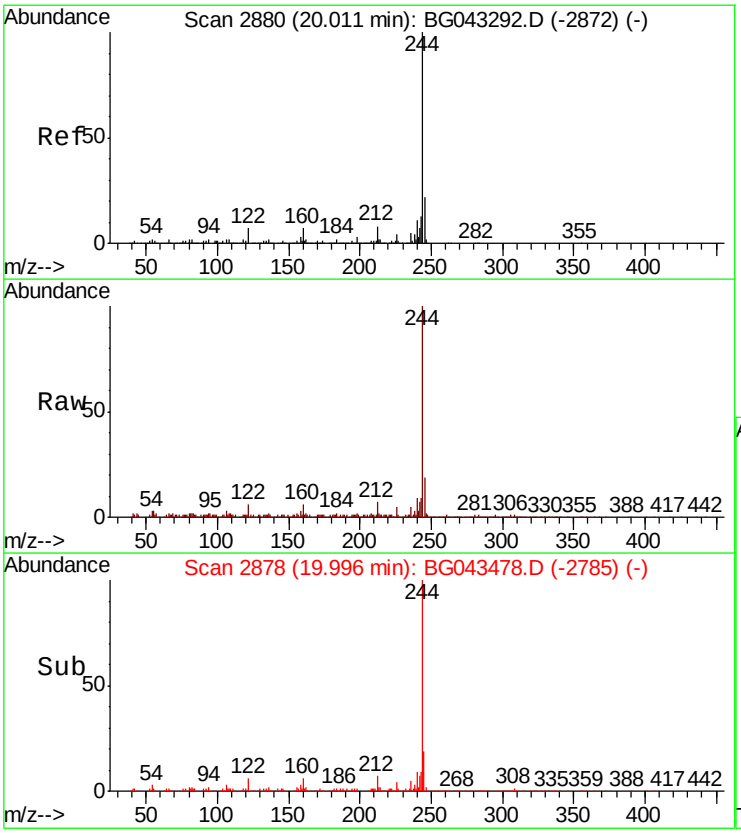
#78
Pyrene
Concen: 3.690 ng
RT: 19.80 min Scan# 2845
Delta R.T. 0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:202 Resp: 68803

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.3	14.8	22.2

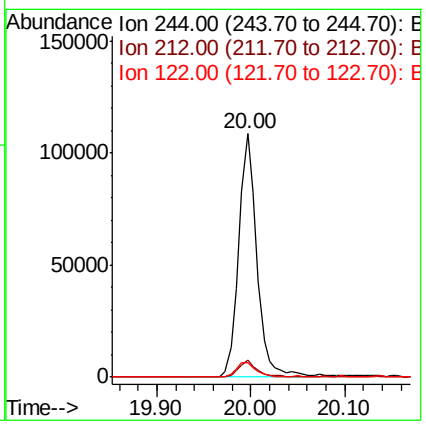


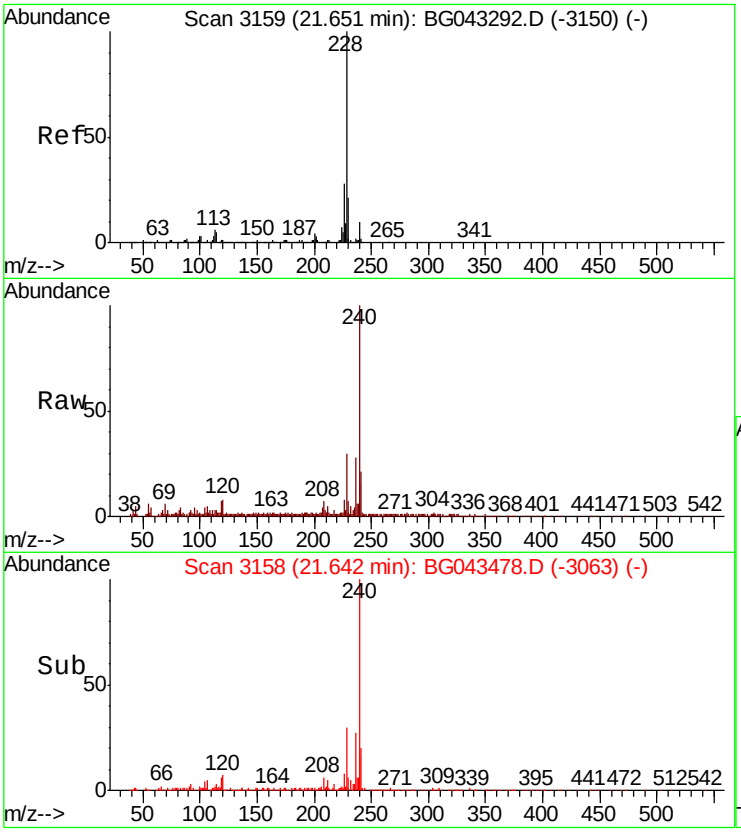


#79
Terphenyl-d14
Concen: 9.130 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:244 Resp: 146608

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	5.9	5.2	7.8



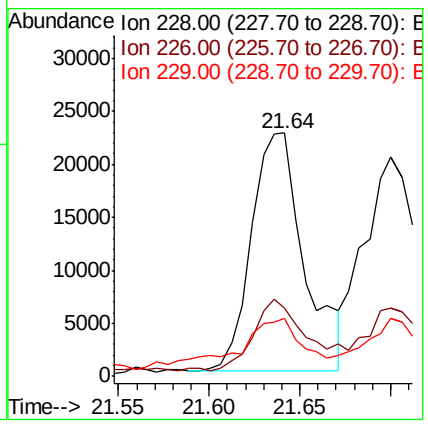


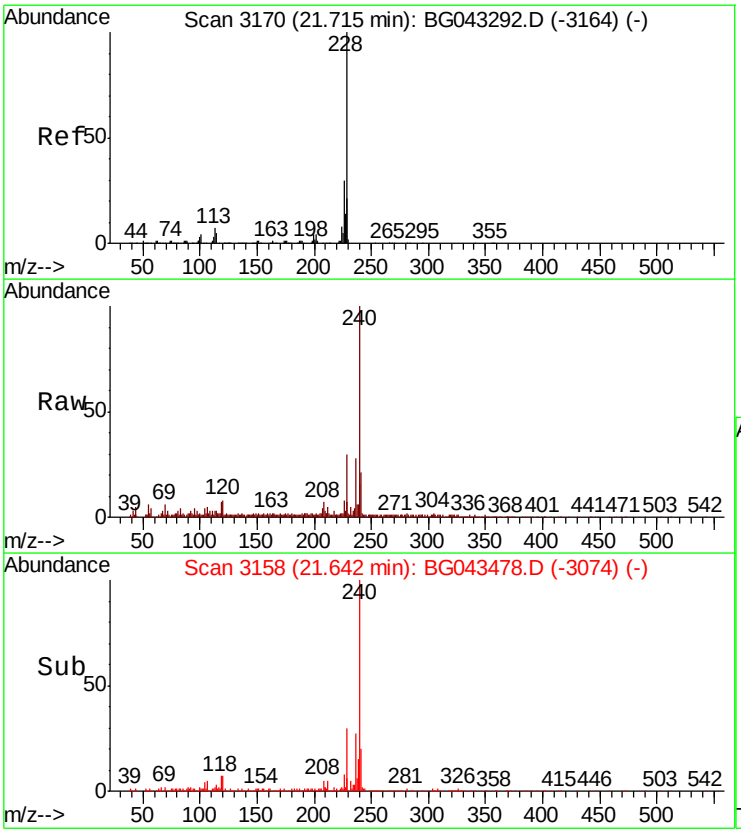
#81
Benzo(a)anthracene
Concen: 2.421 ng
RT: 21.64 min Scan# 3158
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:228 Resp: 45690

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	23.7	15.9	23.9

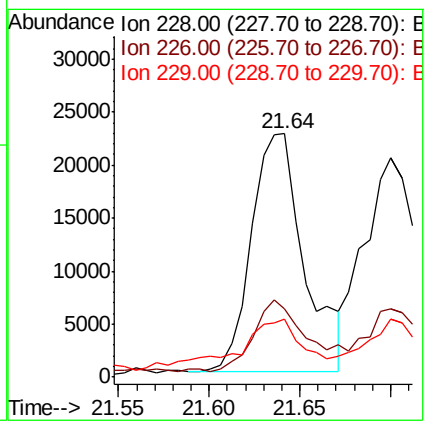


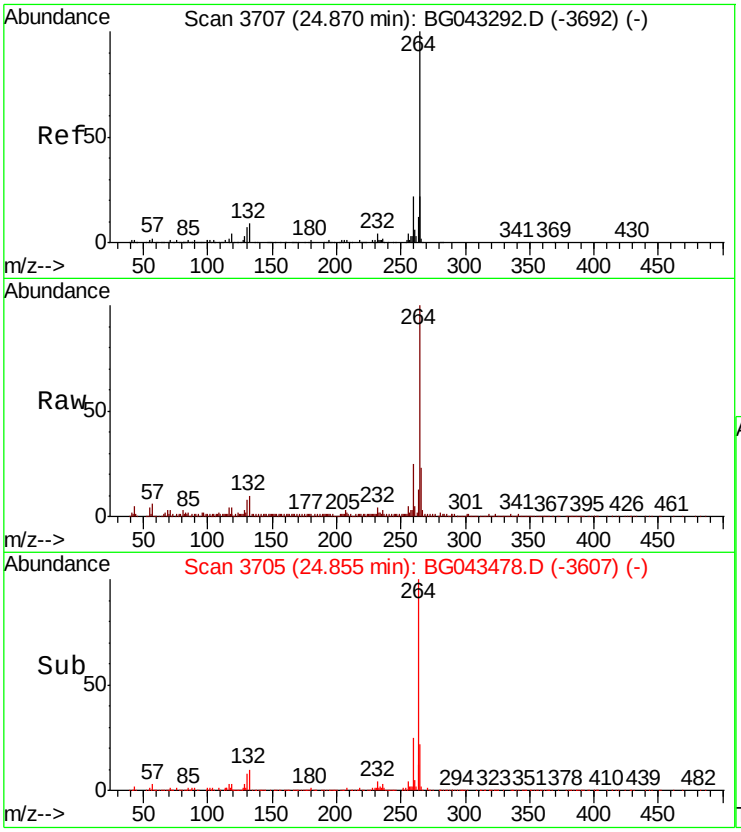


#83
Chrysene
Concen: 2.437 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.04 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:228 Resp: 45690

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.3	34.9
229	23.7	16.5	24.7



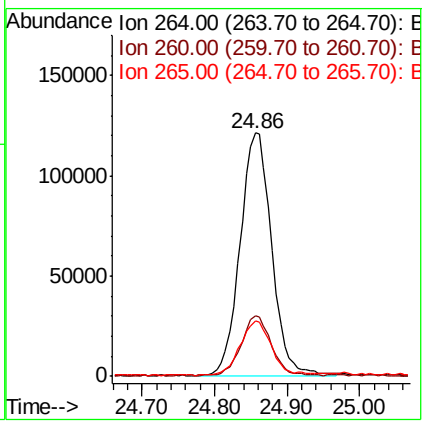


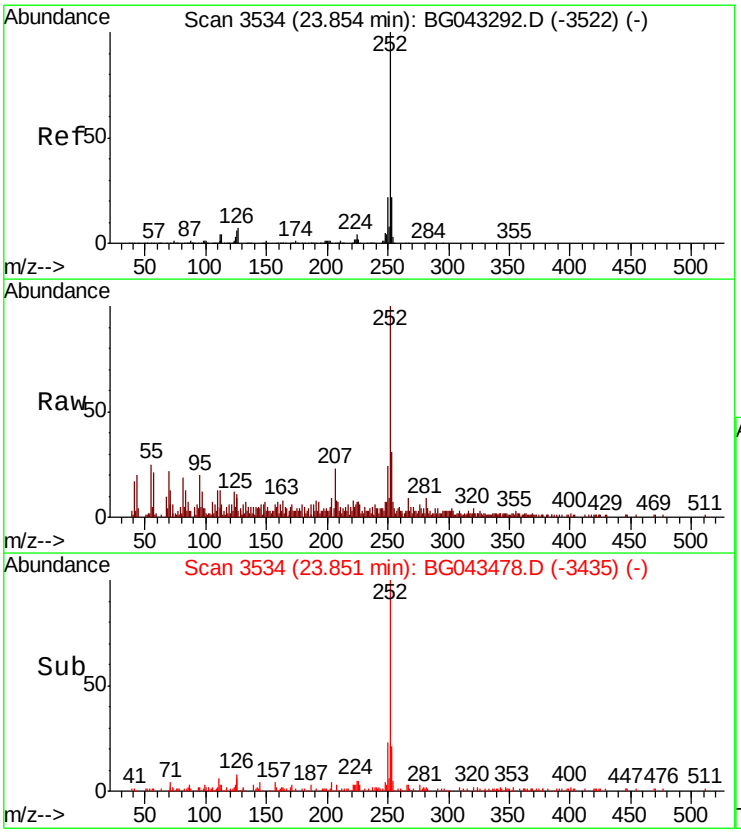
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. 0.04 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:264 Resp: 365337

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.4	27.6
265	22.6	15.8	23.8

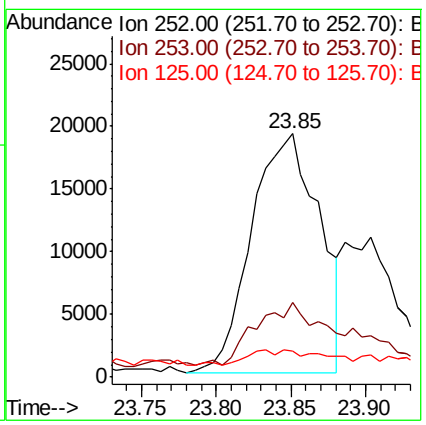


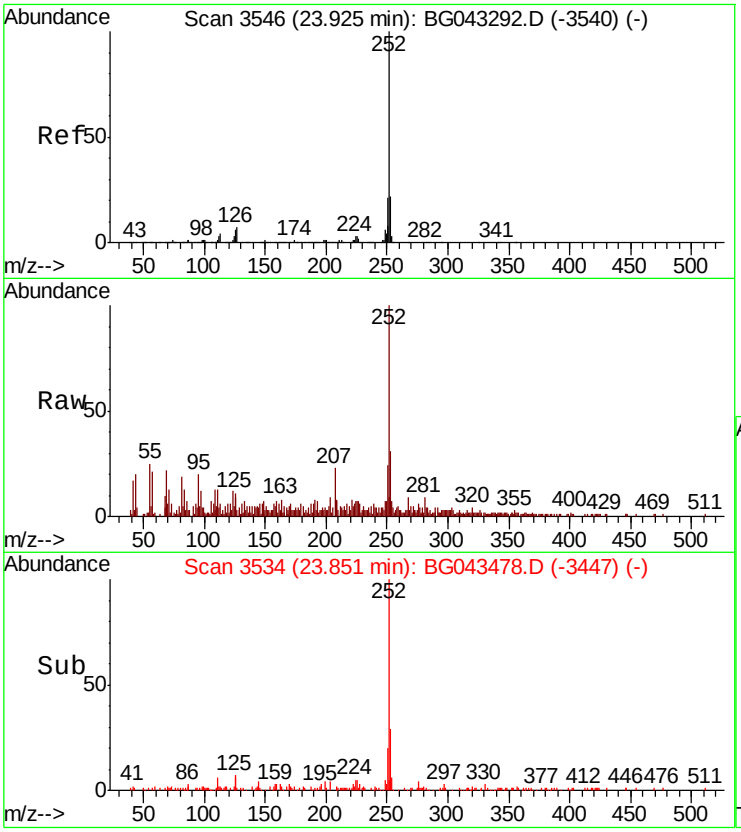


#88
Benzo(b)fluoranthene
Concen: 2.908 ng
RT: 23.85 min Scan# 3534
Delta R.T. 0.05 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:252 Resp: 60173

Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.7	26.5#
125	10.7	4.5	6.7#



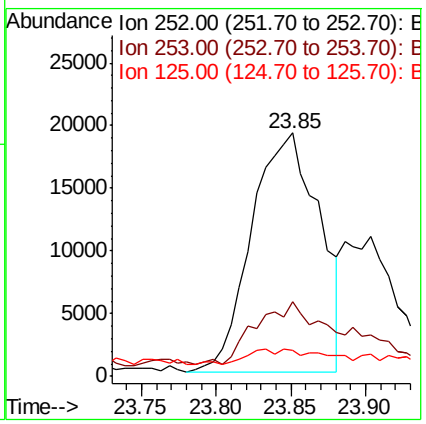


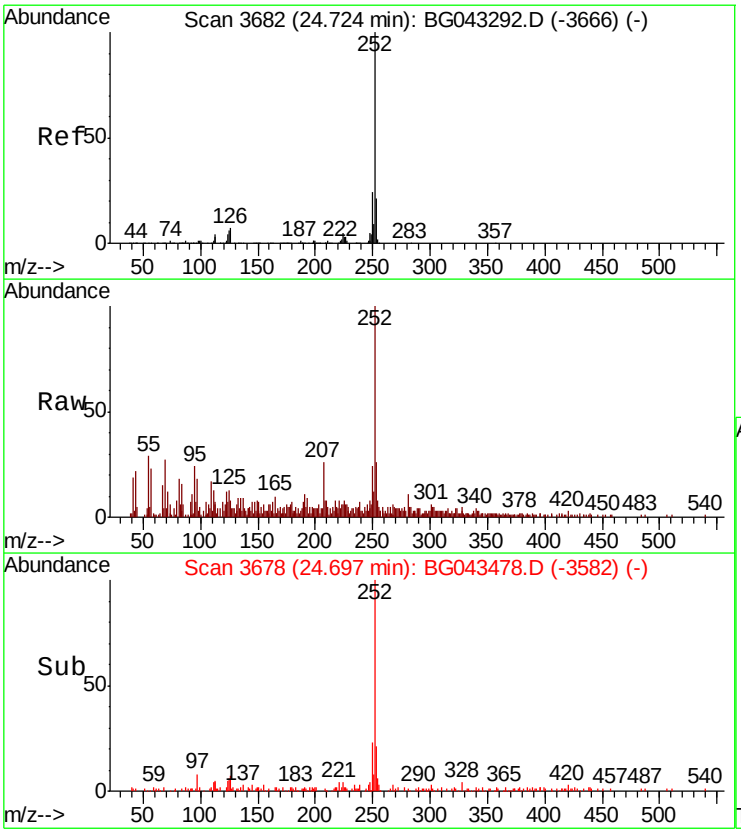
#89
Benzo(k)fluoranthene
Concen: 2.889 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Instrument :
BNA_G
ClientSampleId :
18-48-(0-2.5)

Tgt Ion:252 Resp: 60173

Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.0	27.0#
125	10.7	4.7	7.1#





#90
Benzo(a)pyrene
Concen: 2.285 ng
RT: 24.70 min Scan# 3678
Delta R.T. 0.03 min
Lab File: BG043478.D
Acq: 1 Nov 2019 23:06

Tgt Ion:252 Resp: 45146

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	13.0	5.0	7.6#