Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
Data File : BG040733.D
Acq On : 3 May 2019 20:23
Operator : JU/SJ
Sample : K2667-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-1-B

Quant Time: May 03 23:18:18 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	8.15	152	42745	20.00	ng		-0.01
21) Naphthalene-d8	10.97	136	185912	20.00	ng		-0.02
39) Acenaphthene-d10	14.77	164	142606	20.00	ng		-0.02
64) Phenanthrene-d10	17.52	188	389601	20.00	ng		-0.02
76) Chrysene-d12	21.80	240	377430	20.00	ng		-0.02
87) Perylene-d12	25.16	264	404553	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.68	112	383555	158.17	ng		0.00
7) Phenol-d6	7.28	99	586629	157.12	ng		-0.01
23) Nitrobenzene-d5	9.32	82	406228	100.96	ng		-0.02
42) 2,4,6-Tribromophenol	16.26	330	331672	169.21	ng		-0.01
45) 2-Fluorobiphenyl	13.40	172	876813	88.80	ng		-0.02
79) Terphenyl-d14	20.11	244	1528501	89.72	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	7.28	77	1396	Below Cal		#	6
19) n-Nitroso-di-n-propylamine	9.32	70	58128	17.295	ng	#	74
50) Dimethylphthalate	14.22	163	124989	10.476	ng	#	95
54) 2,4-Dinitrophenol	14.88	184	83	7.072	ng	#	45
57) 2,4-Dinitrotoluene	14.77	165	19211	6.071	ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.26	198	1087	7.584	ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	24866	5.123	ng	#	1
71) Phenanthrene	17.56	178	108894	5.189	ng		97
72) Anthracene	17.56	178	108894	5.162	ng		97
75) Fluoranthene	19.56	202	139874	5.349	ng		97
77) Benzidine	20.11	184	29496	2.854	ng	#	93
78) Pyrene	19.92	202	235803	9.968	ng		97
81) Benzo(a)anthracene	21.78	228	100527	4.214	ng		98
83) Chrysene	21.85	228	107642	4.745	ng		95
88) Benzo(b)fluoranthene	24.09	252	79975	3.235	ng		99
89) Benzo(k)fluoranthene	24.09	252	79975	3.464	ng		99
90) Benzo(a)pyrene	24.99	252	80745	3.450	ng		98

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

Quantitation Report (Not Reviewed)

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Data File : BG040733.D
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BNA_G
ClientSampleId :
SP-1-B

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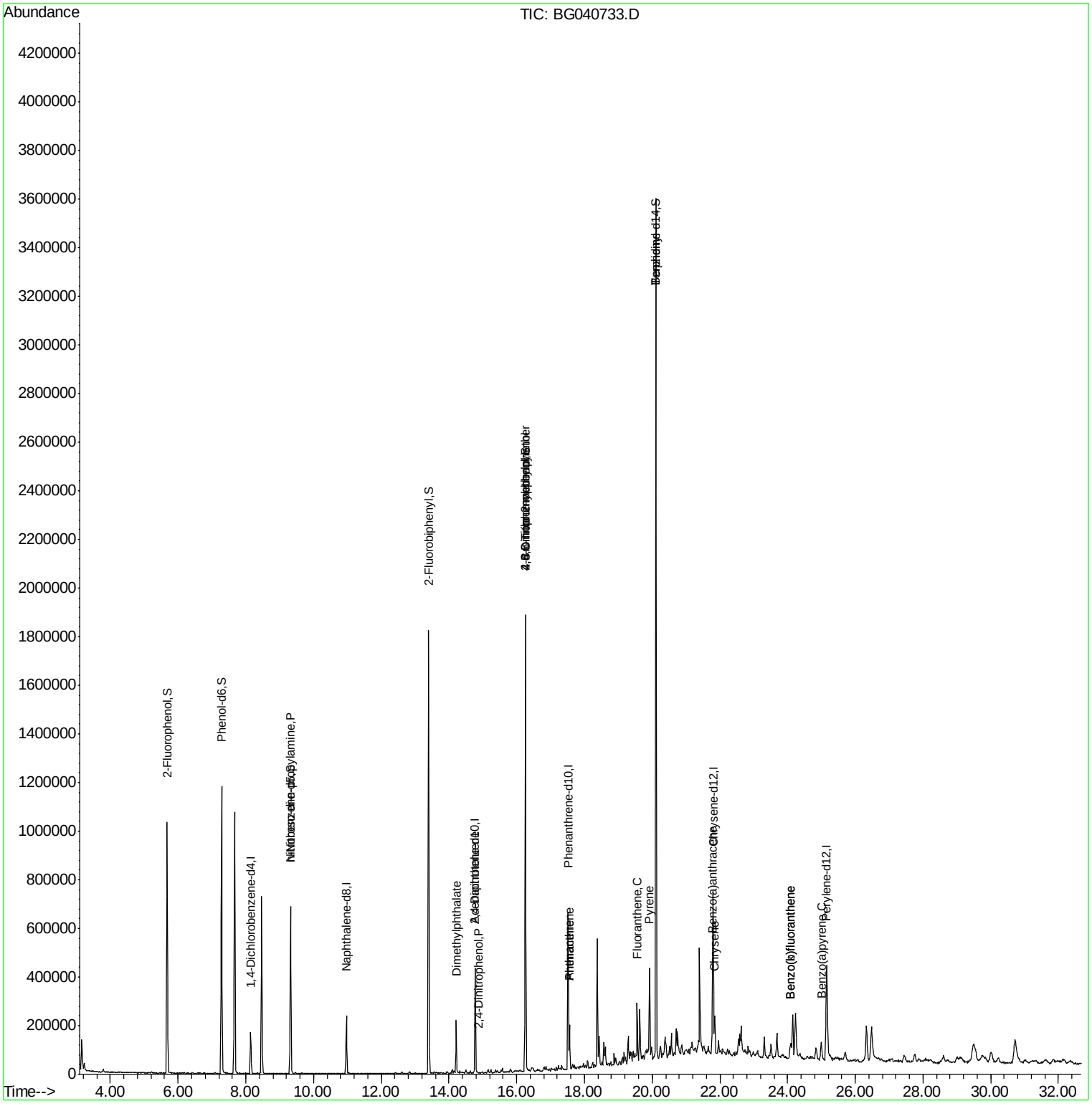
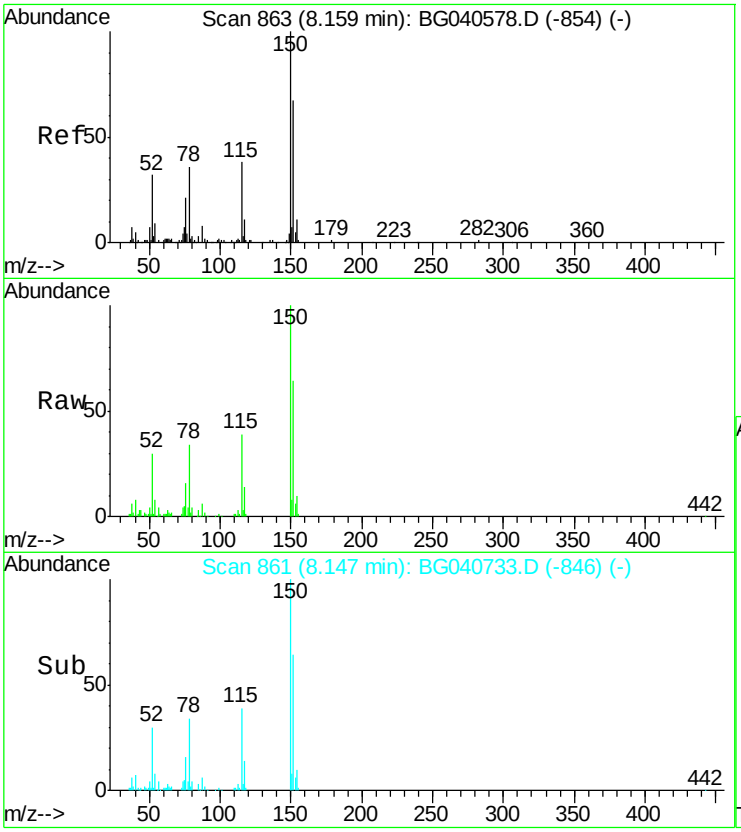


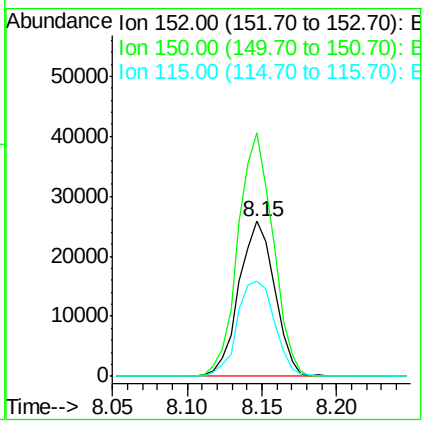


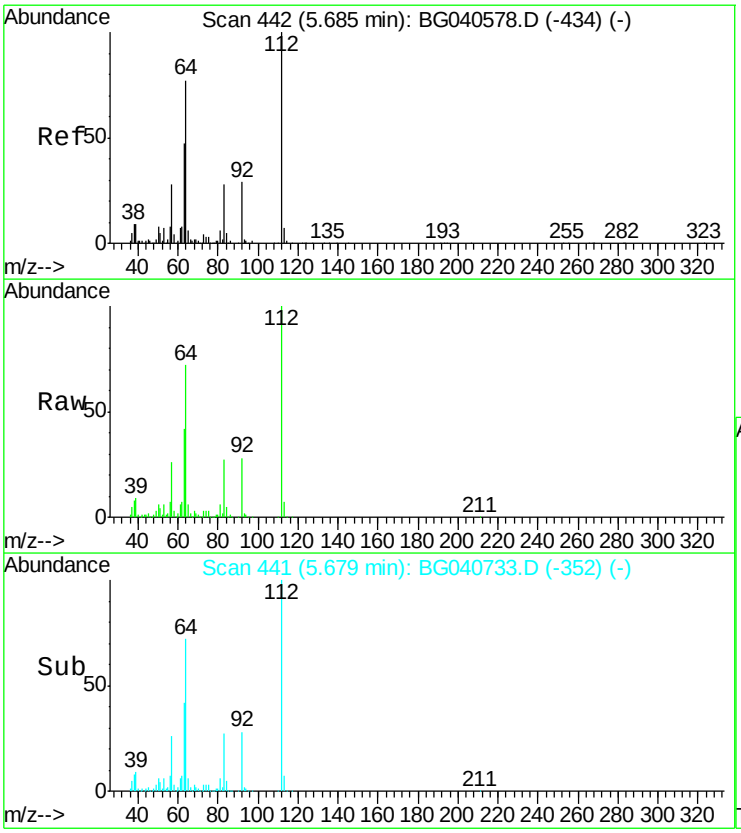
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:152 Resp: 42745

Ion	Ratio	Lower	Upper
152	100		
150	157.4	120.2	180.2
115	61.8	46.2	69.2

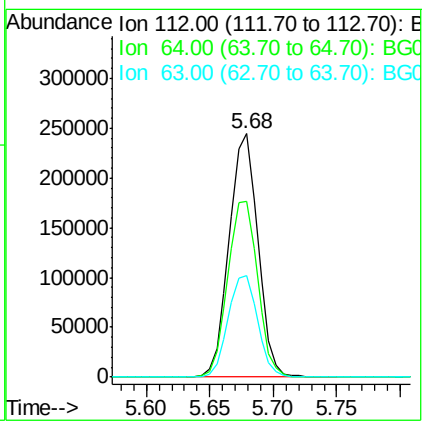


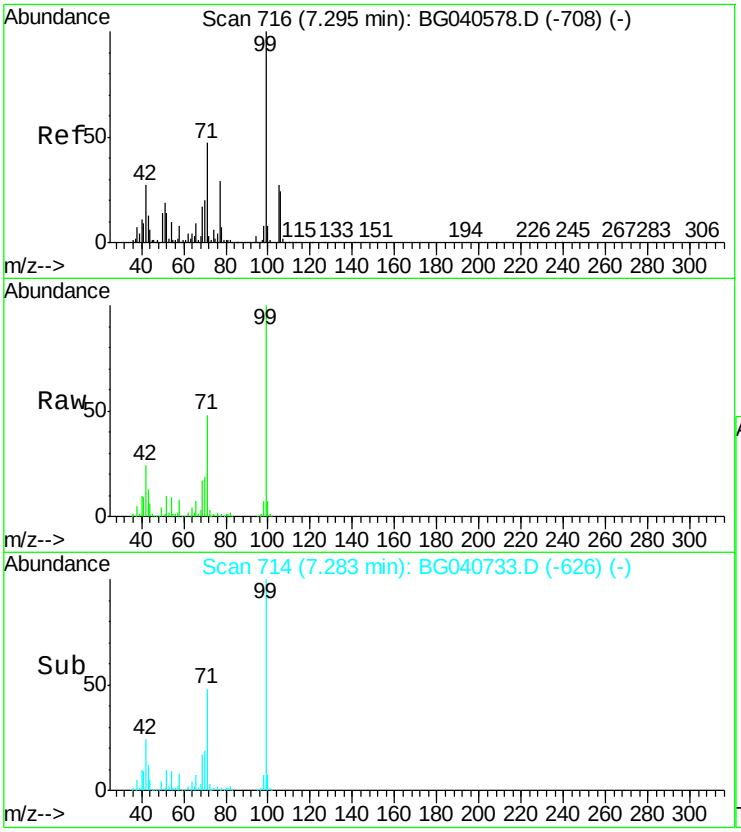


#5
2-Fluorophenol
Concen: 158.175 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:112 Resp: 383555

Ion	Ratio	Lower	Upper
112	100		
64	72.4	61.4	92.0
63	41.7	37.8	56.6



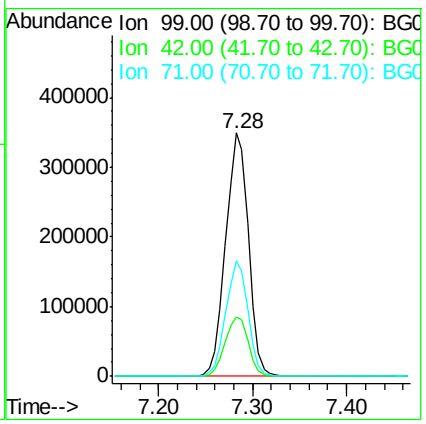


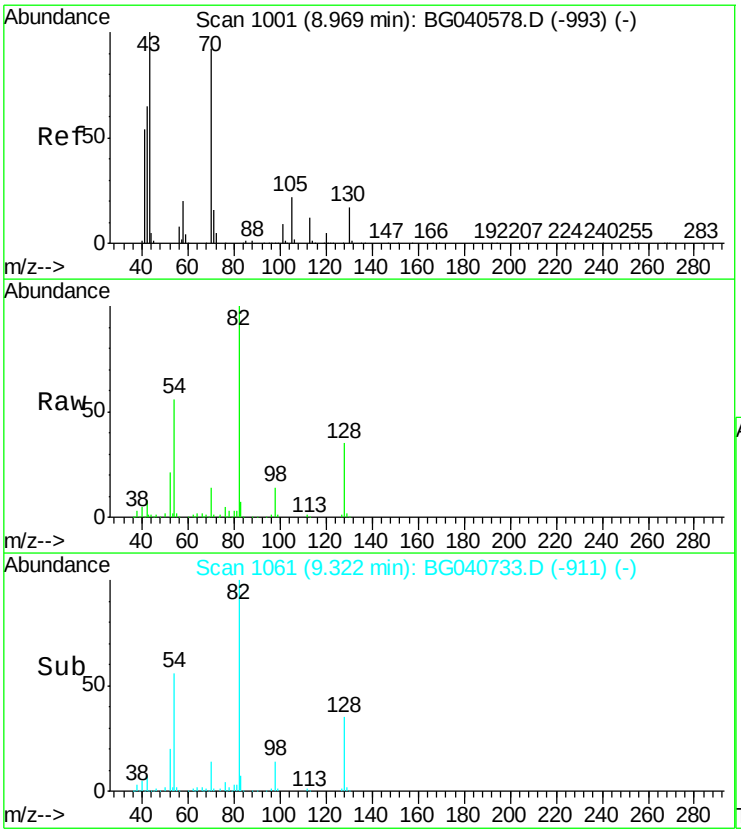
#7
Phenol-d6
Concen: 157.120 ng
RT: 7.28 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion: 99 Resp: 586629

Ion	Ratio	Lower	Upper
99	100		
42	24.2	21.8	32.8
71	47.6	38.6	57.8

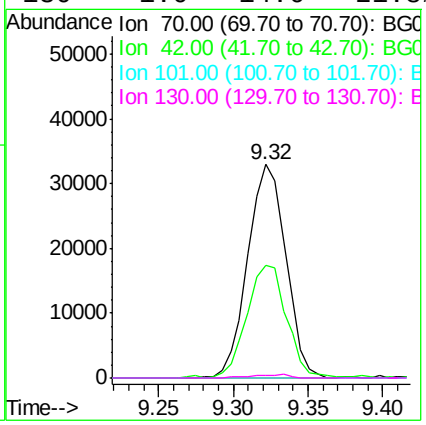


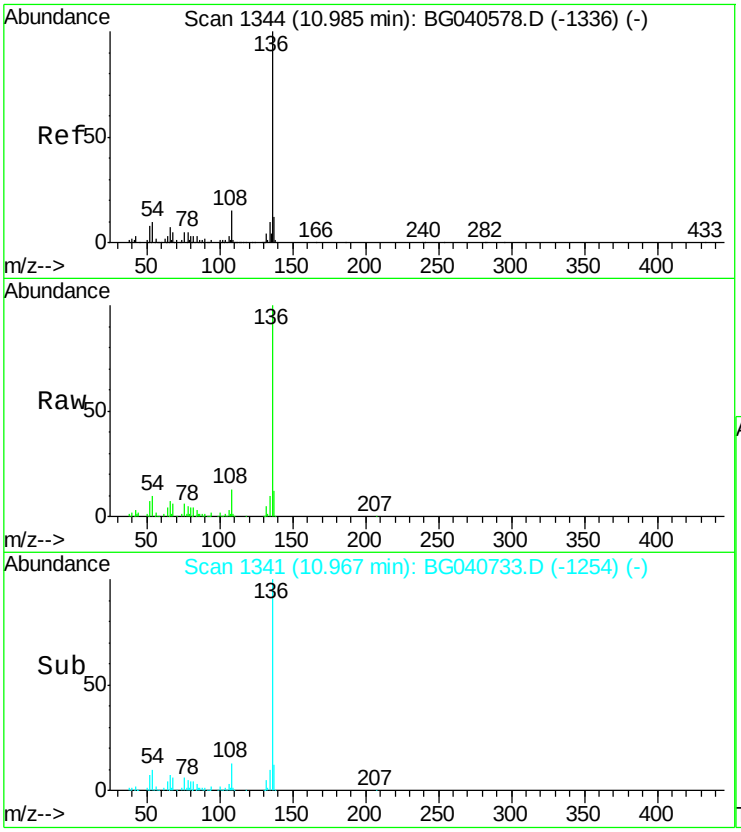


#19
n-Nitroso-di-n-propylamine
Concen: 17.295 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion: 70 Resp: 58128

Ion	Ratio	Lower	Upper
70	100		
42	52.7	57.1	85.7#
101	0.0	7.8	11.8#
130	1.0	14.6	21.8#



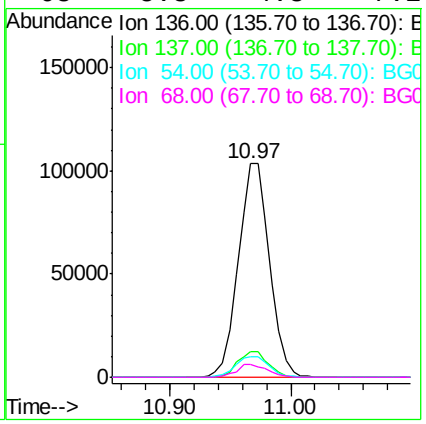


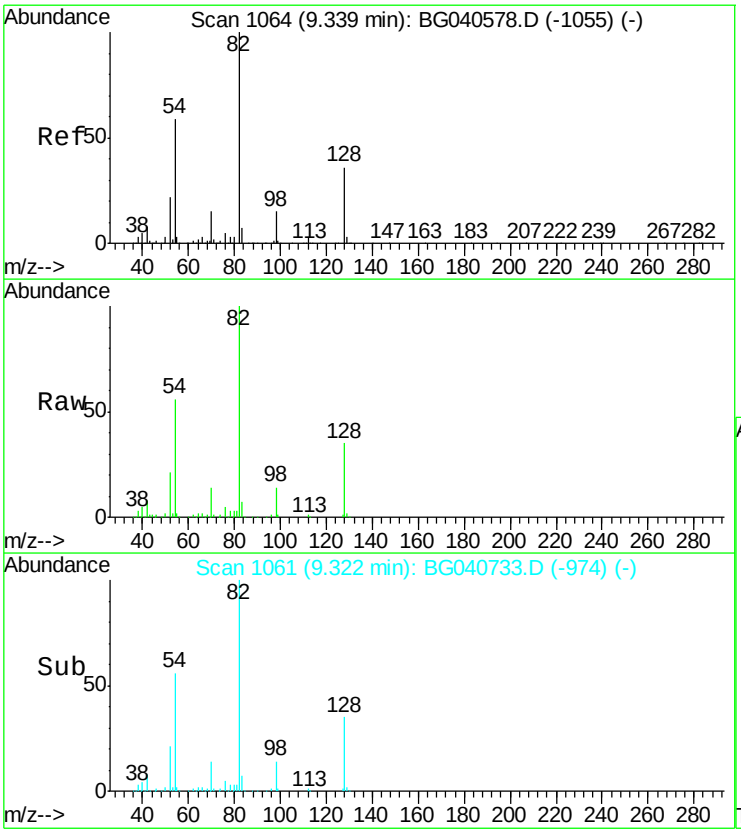
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:136 Resp: 185912

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	9.9	8.6	12.8
68	5.8	4.8	7.2

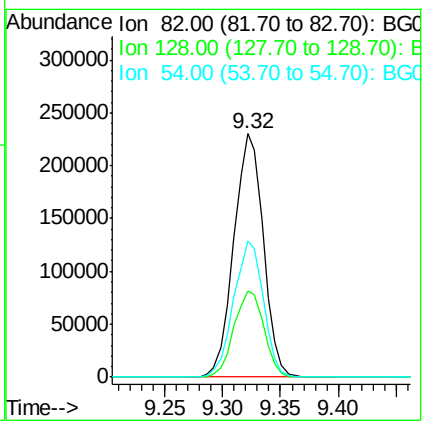


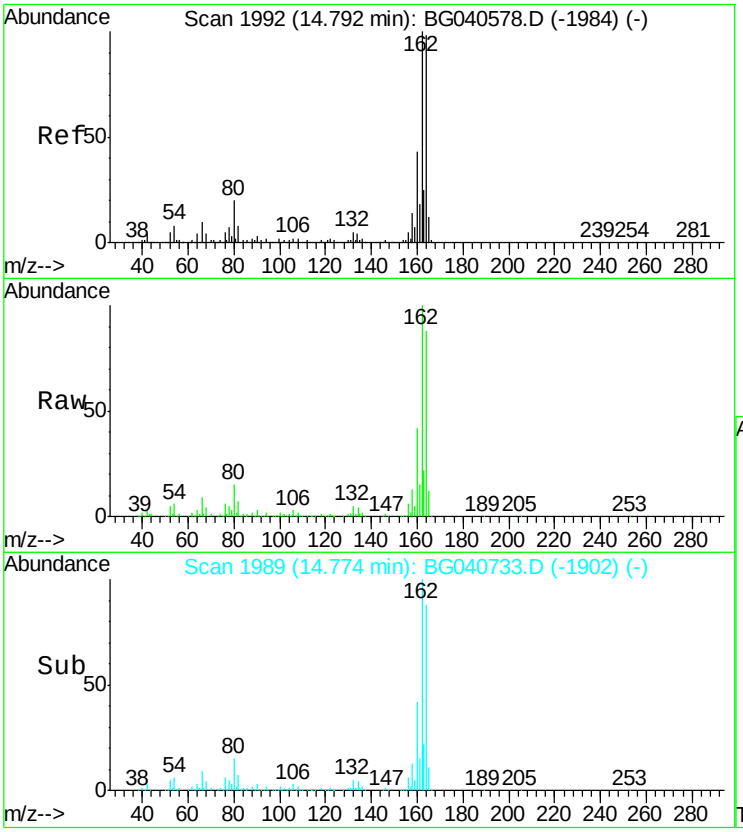


#23
Nitrobenzene-d5
Concen: 100.963 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion: 82 Resp: 406228

Ion	Ratio	Lower	Upper
82	100		
128	35.4	28.9	43.3
54	56.1	47.2	70.8



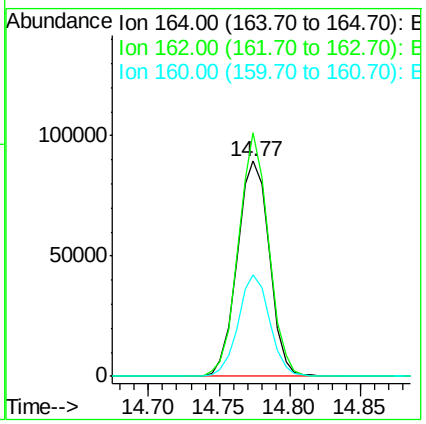


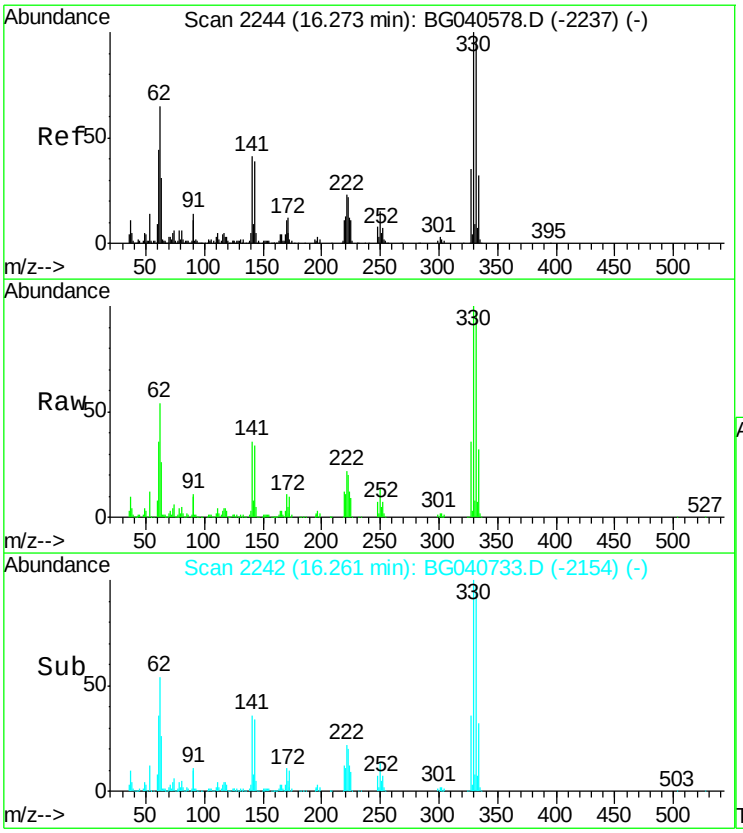
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:164 Resp: 142606

Ion	Ratio	Lower	Upper
164	100		
162	113.1	81.9	122.9
160	47.1	35.4	53.2

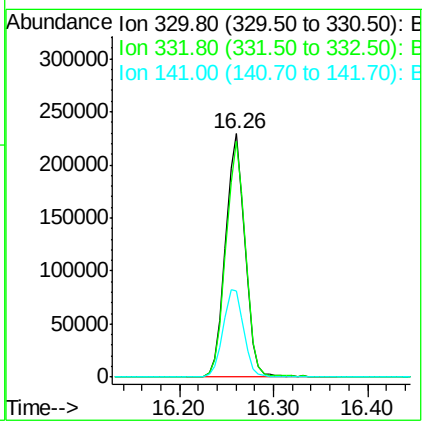


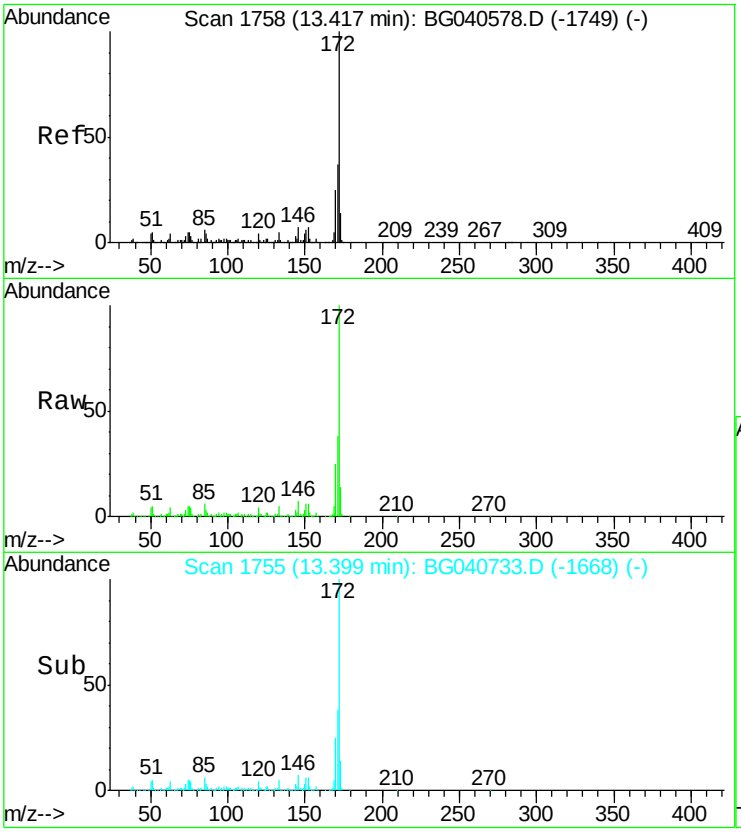


#42
2,4,6-Tribromophenol
Concen: 169.207 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:330 Resp: 331672

Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.9	113.9
141	37.7	32.4	48.6



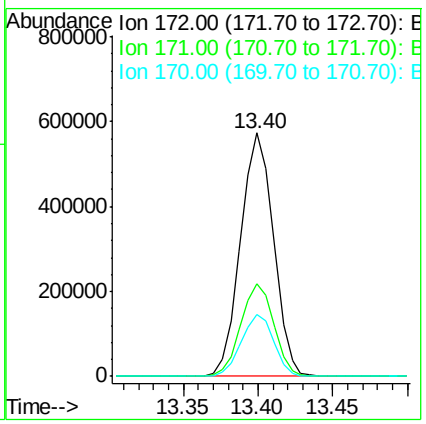


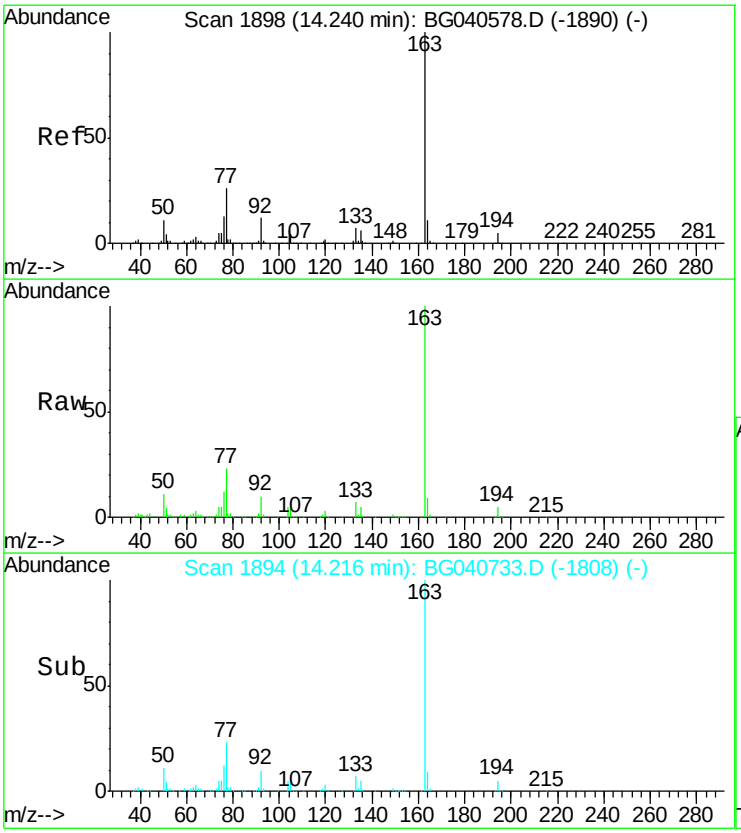
#45
2-Fluorobiphenyl
Concen: 88.797 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:172 Resp: 876813

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.4	19.9	29.9

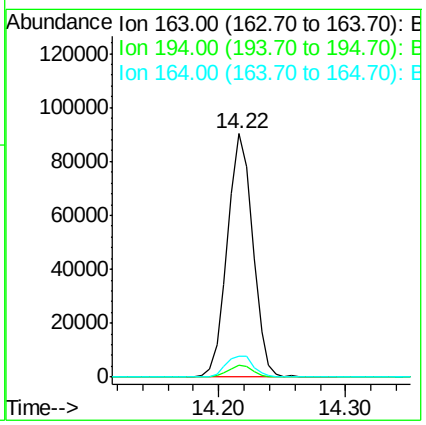


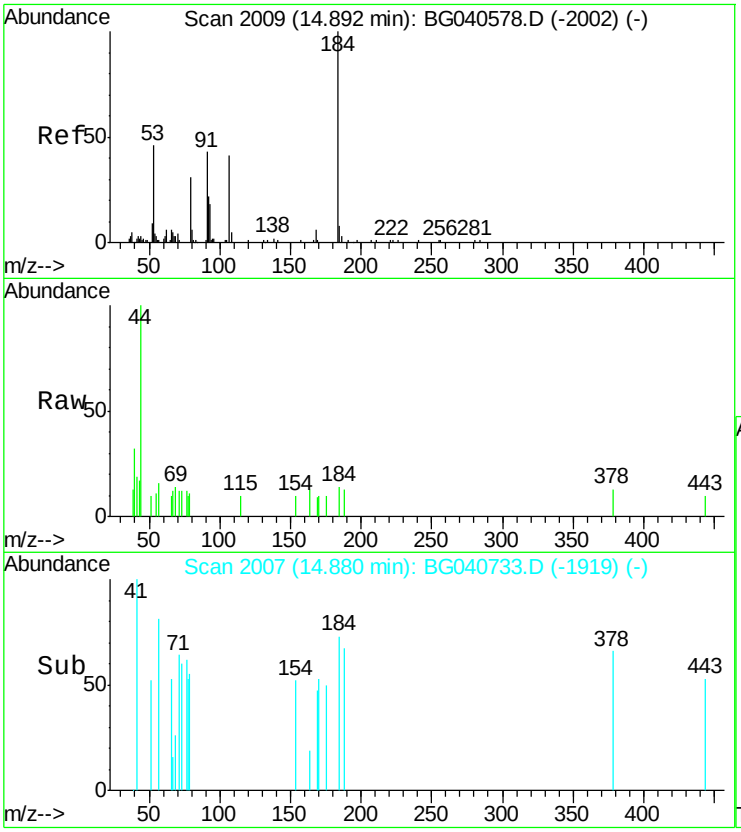


#50
Dimethylphthalate
Concen: 10.476 ng
RT: 14.22 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:163 Resp: 124989

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.8	5.8
164	8.5	8.8	13.2#



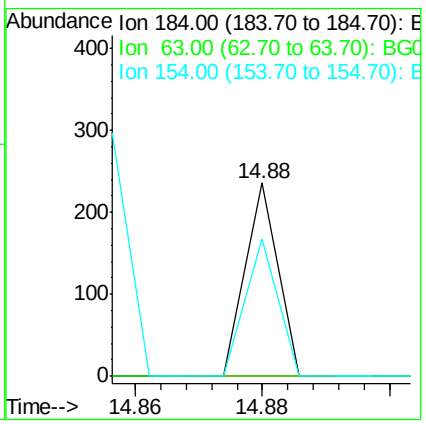


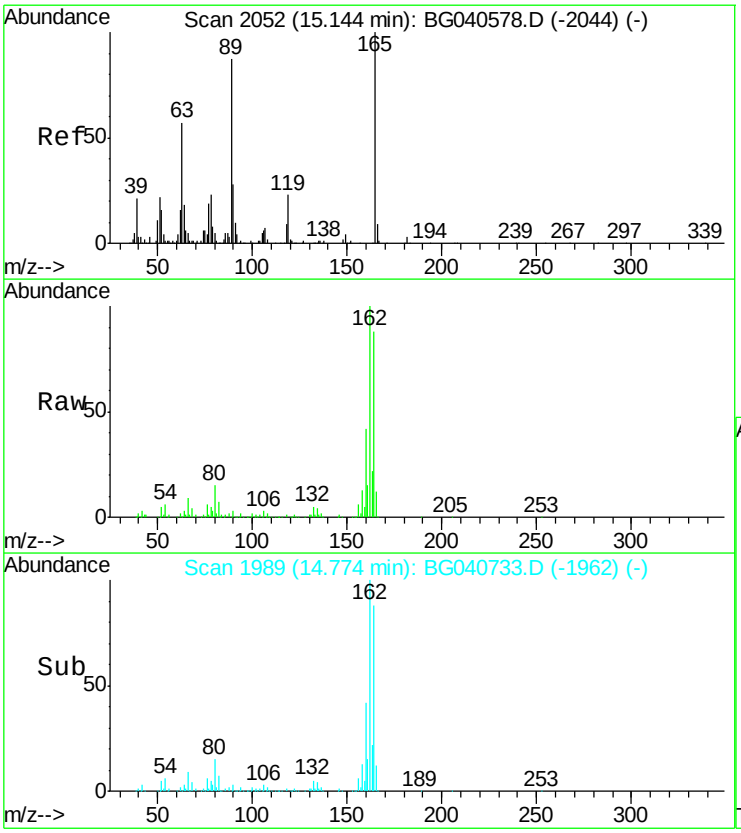
#54
2,4-Dinitrophenol
Concen: 7.072 ng
RT: 14.88 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:184 Resp: 83

Ion	Ratio	Lower	Upper
184	100		
63	0.0	51.8	77.6#
154	70.8	43.6	65.4#

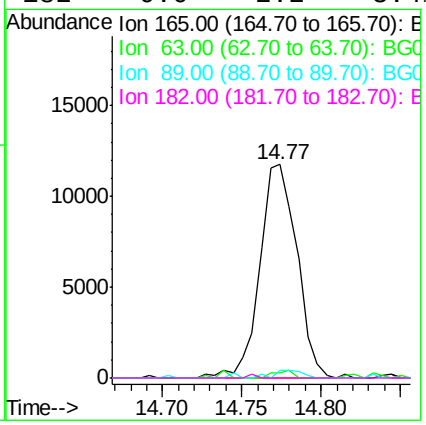


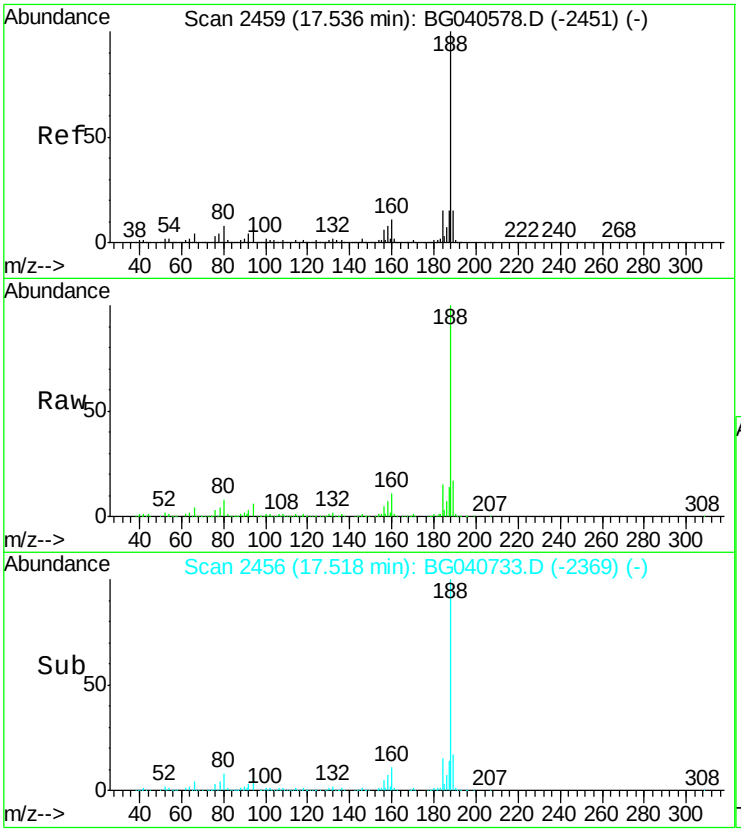


#57
2,4-Dinitrotoluene
Concen: 6.071 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:165 Resp: 19211

Ion	Ratio	Lower	Upper
165	100		
63	2.4	45.8	68.8#
89	3.4	69.4	104.2#
182	0.0	2.2	3.4#



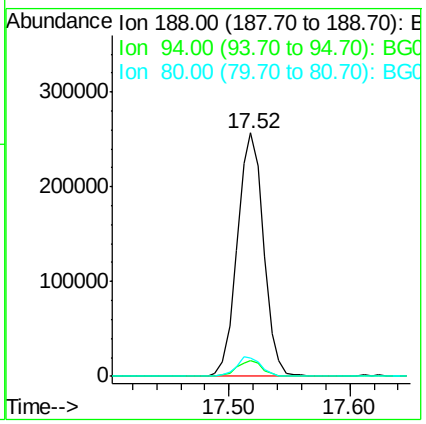


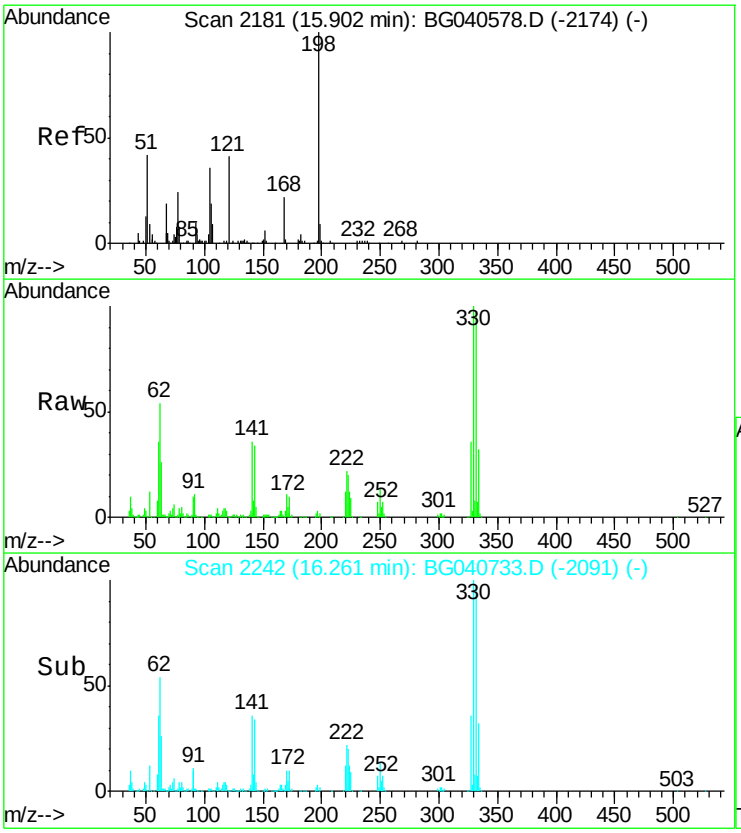
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:188 Resp: 389601

Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.6	8.4
80	7.6	6.4	9.6

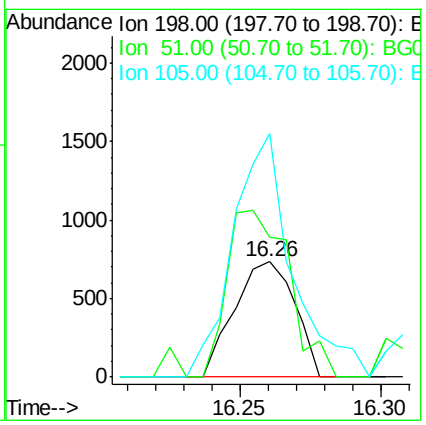


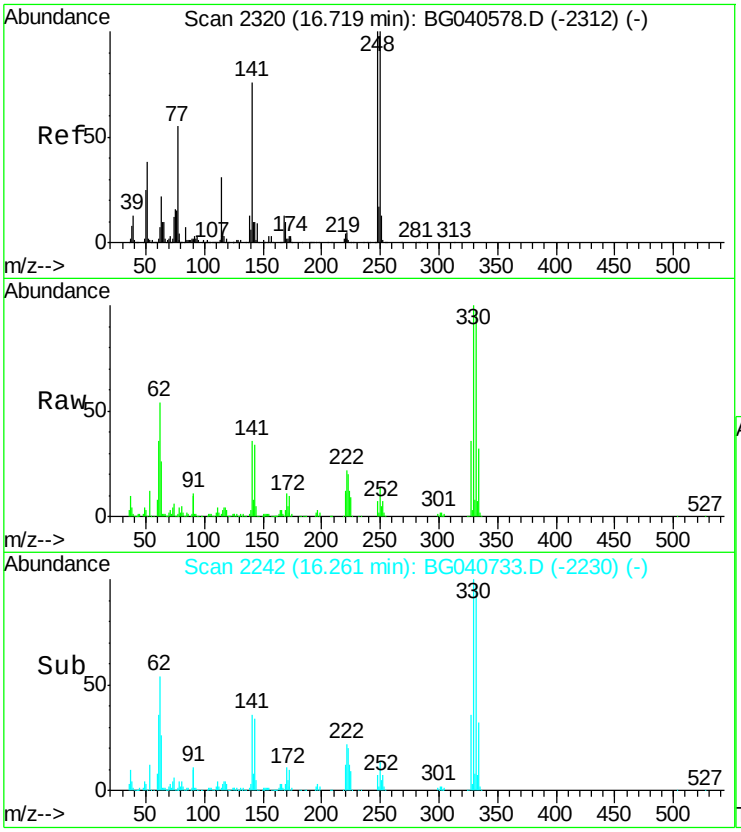


#65
4,6-Dinitro-2-methylphenol
Concen: 7.584 ng
RT: 16.26 min Scan# 2242
Delta R.T. 0.36 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:198 Resp: 1087

Ion	Ratio	Lower	Upper
198	100		
51	121.7	35.9	75.9#
105	211.2	21.2	61.2#



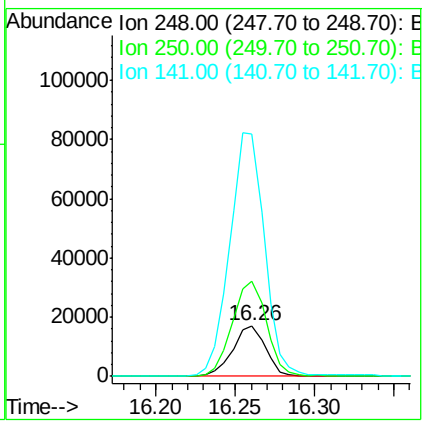


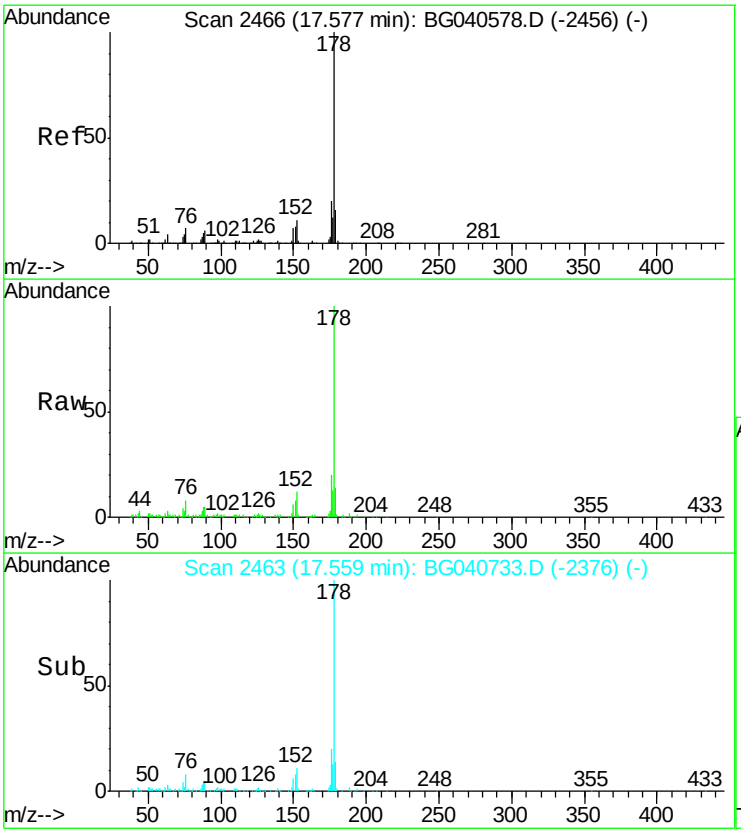
#67
4-Bromophenyl-phenylether
Concen: 5.123 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:248 Resp: 24866

Ion	Ratio	Lower	Upper
248	100		
250	188.3	79.8	119.6#
141	478.1	60.8	91.2#

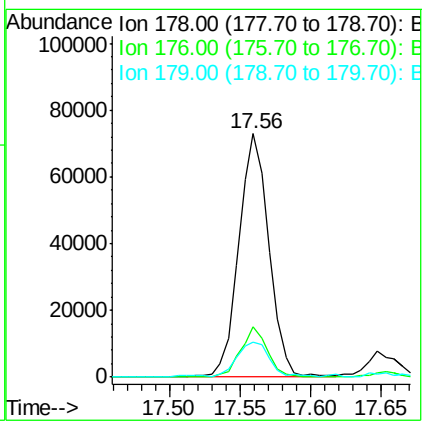


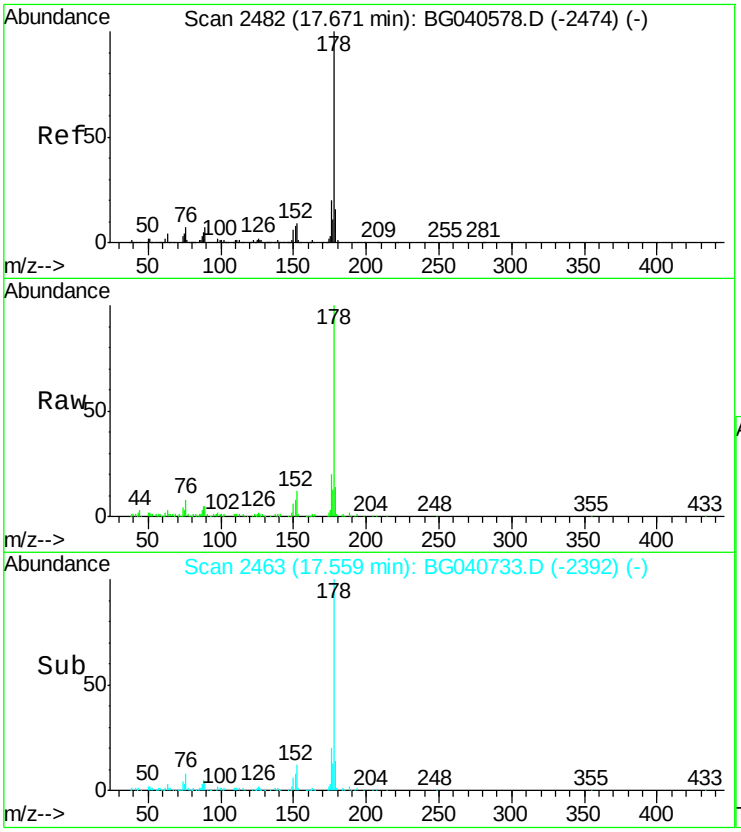


#71
Phenanthrene
Concen: 5.189 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:178 Resp: 108894

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.6
179	14.2	12.6	18.8



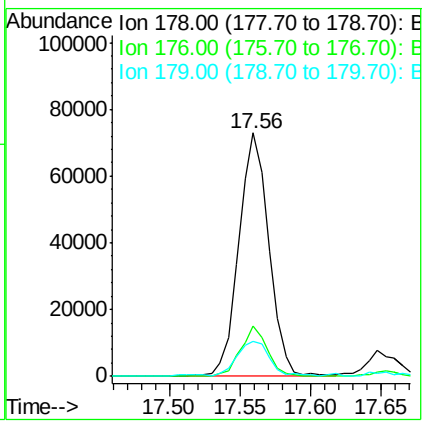


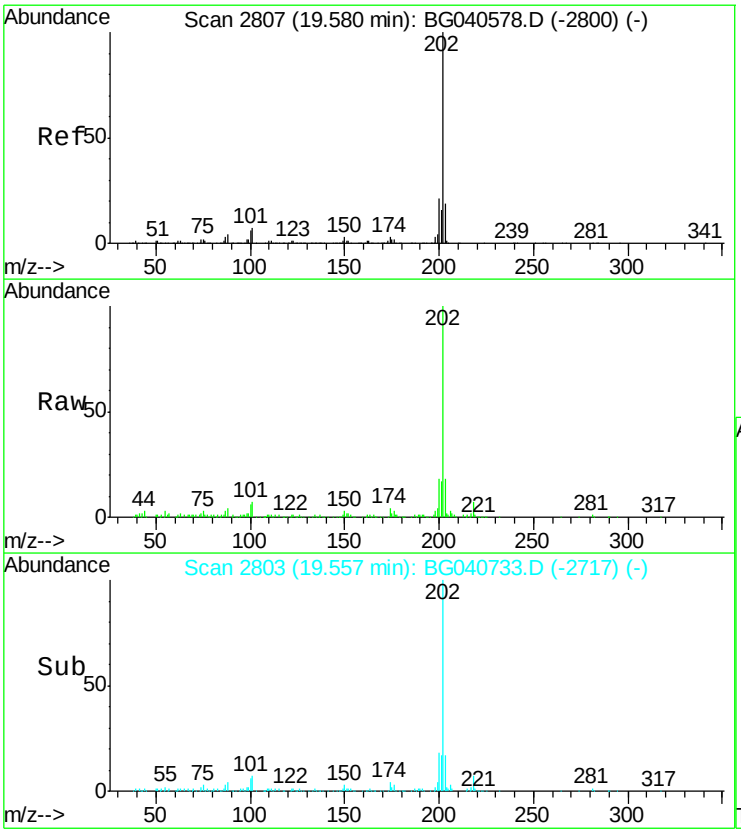
#72
Anthracene
Concen: 5.162 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.11 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:178 Resp: 108894

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.6	23.4
179	14.2	12.9	19.3

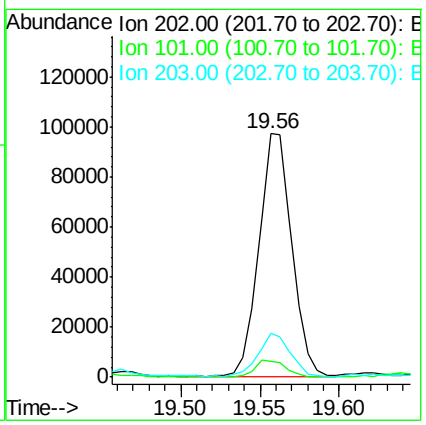


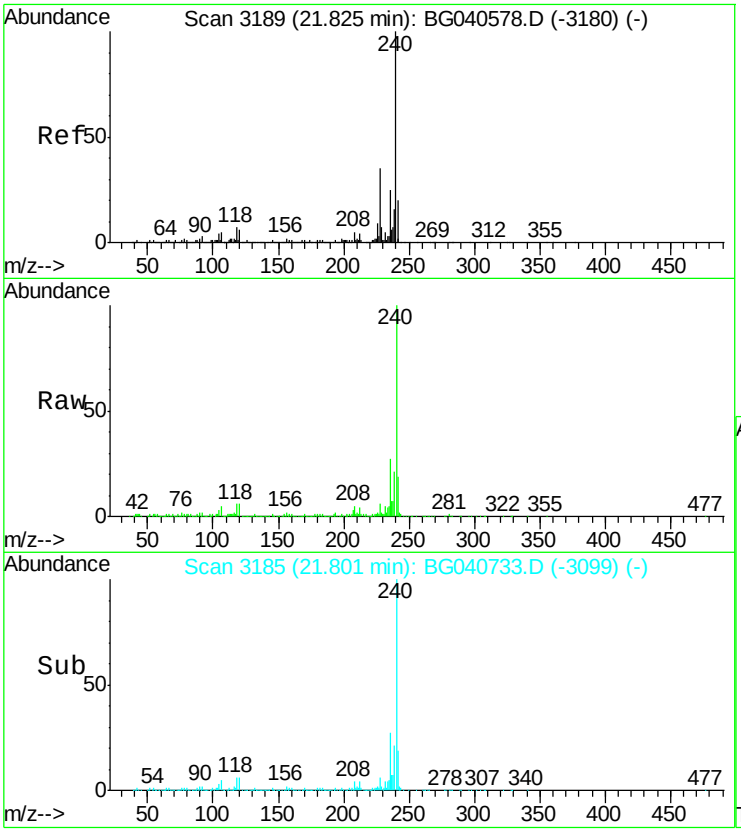


#75
Fluoranthene
Concen: 5.349 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:202 Resp: 139874

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	27.5
203	17.9	0.0	39.3



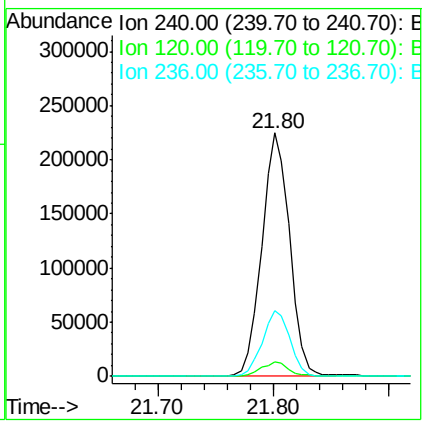


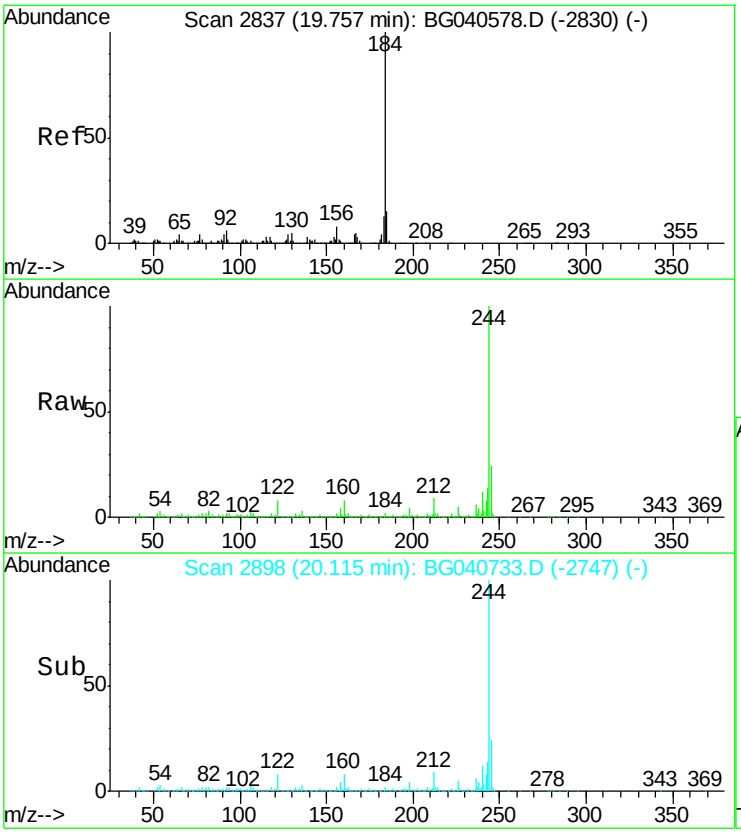
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:240 Resp: 377430

Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.0	7.6
236	26.8	20.3	30.5

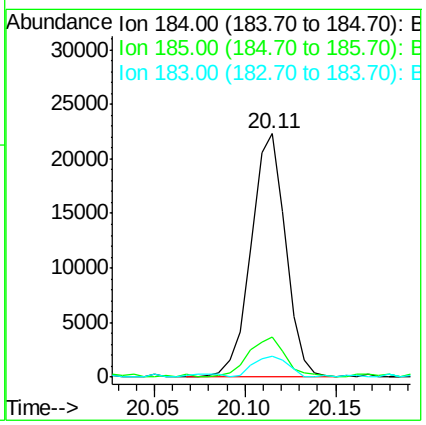


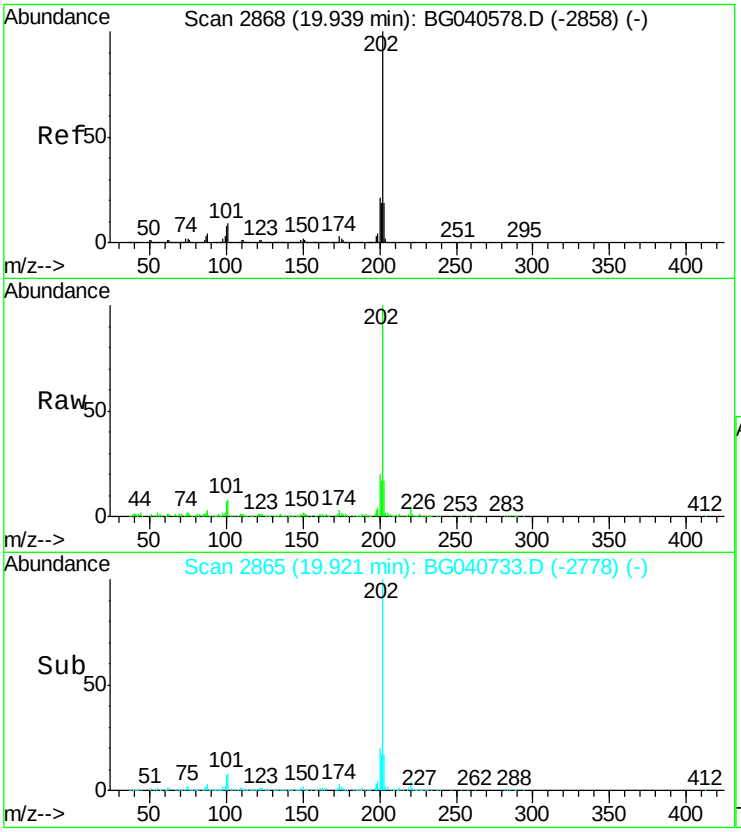


#77
Benzidine
Concen: 2.854 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:184 Resp: 29496

Ion	Ratio	Lower	Upper
184	100		
185	16.5	11.8	17.8
183	8.6	10.2	15.2#



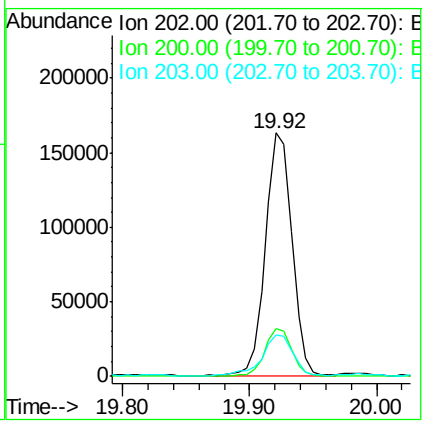


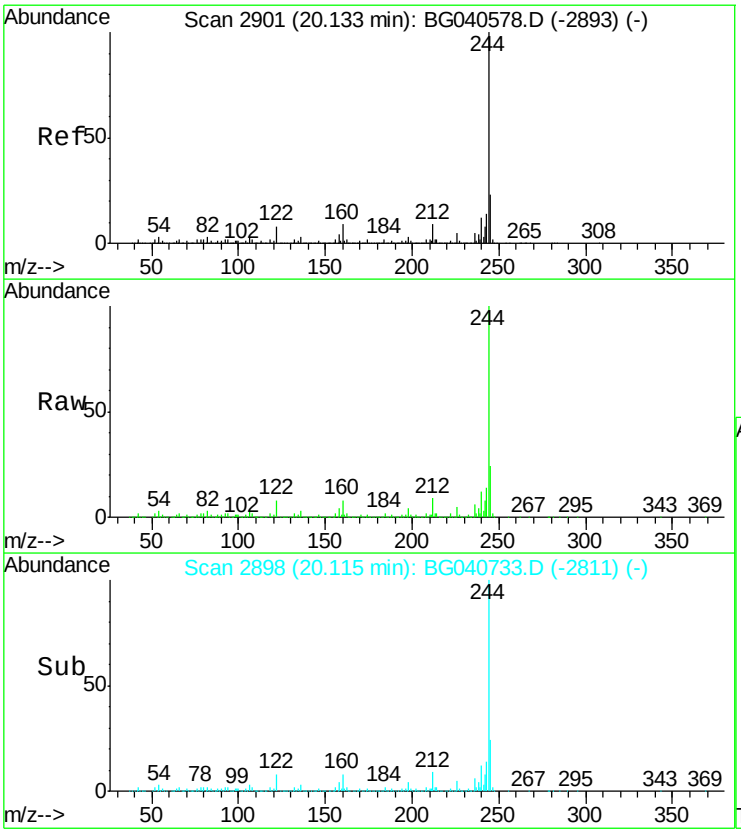
#78
Pyrene
Concen: 9.968 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:202 Resp: 235803

Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.2	25.8
203	17.2	15.0	22.4

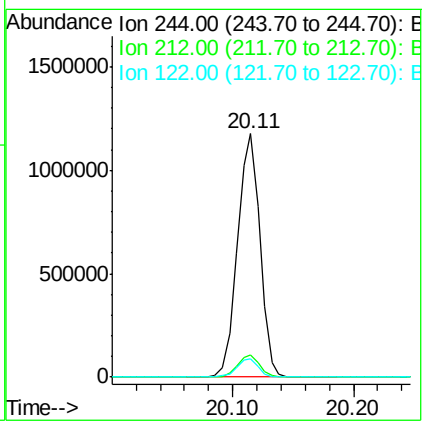


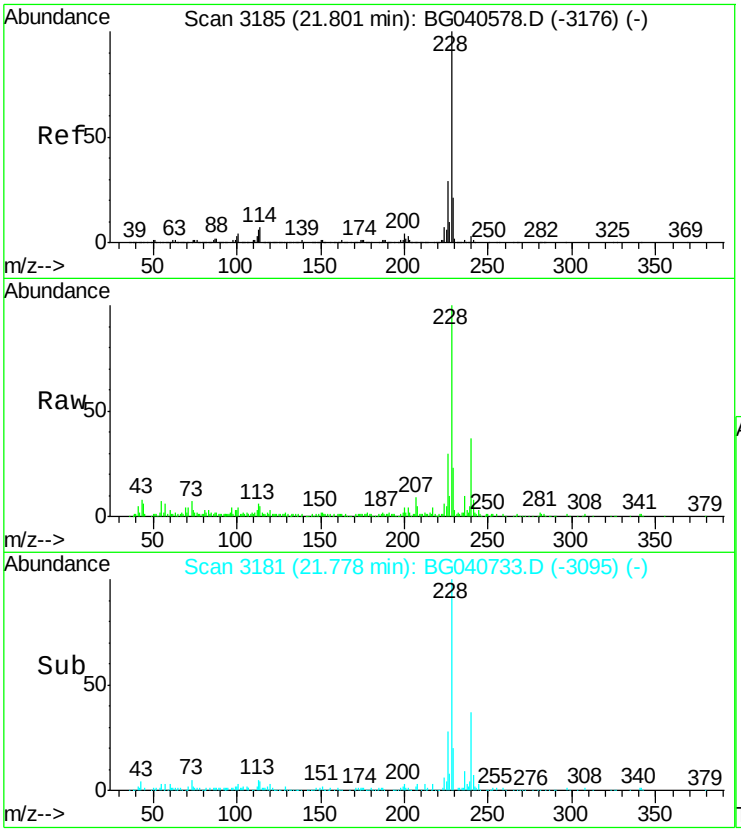


#79
Terphenyl-d14
Concen: 89.719 ng
RT: 20.11 min Scan# 2898
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:244 Resp: 1528501

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	7.7	6.6	10.0



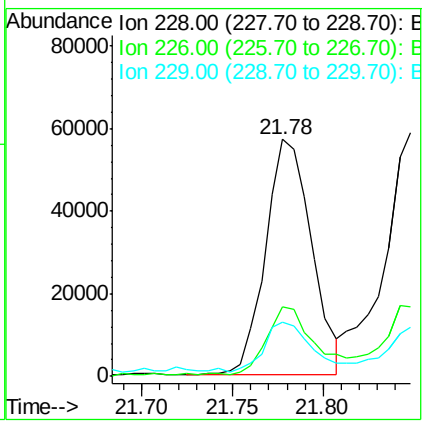


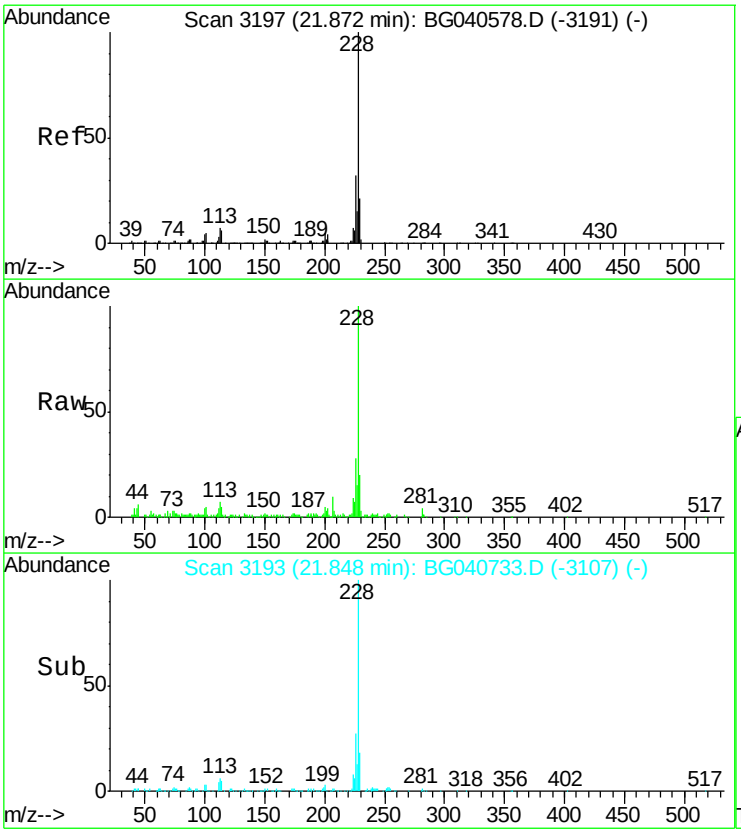
#81
Benzo(a)anthracene
Concen: 4.214 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:228 Resp: 100527

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.1	34.7
229	23.0	17.0	25.4

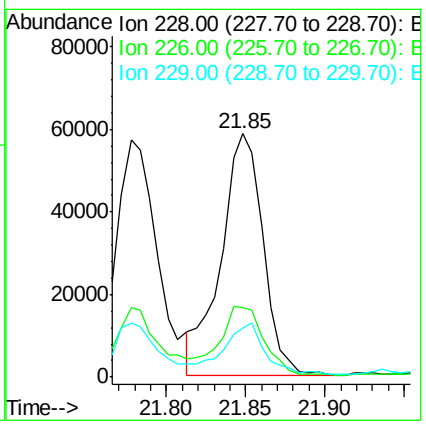


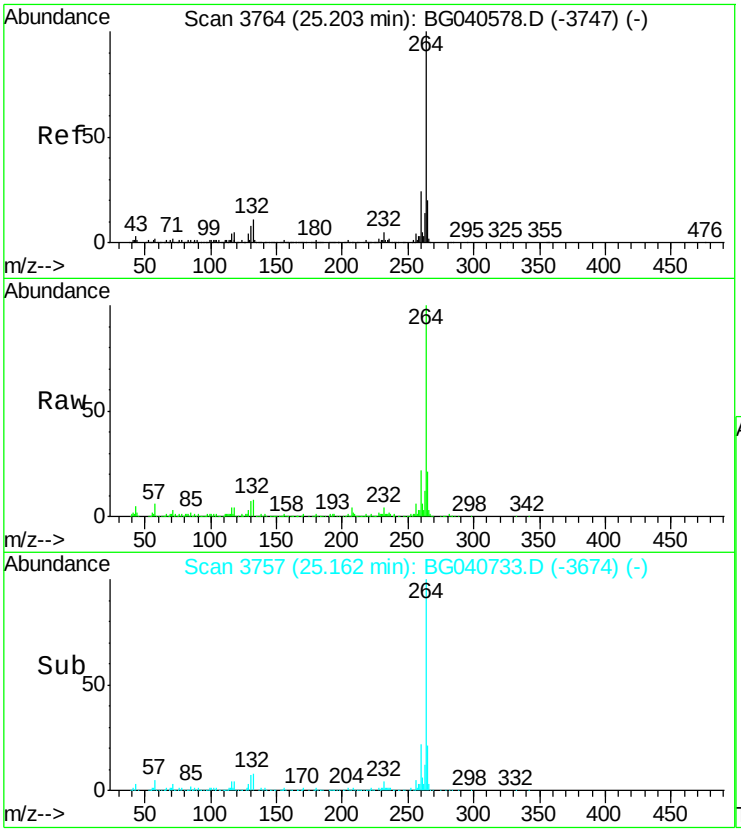


#83
Chrysene
Concen: 4.745 ng
RT: 21.85 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:228 Resp: 107642

Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.5	38.3
229	20.1	16.8	25.2



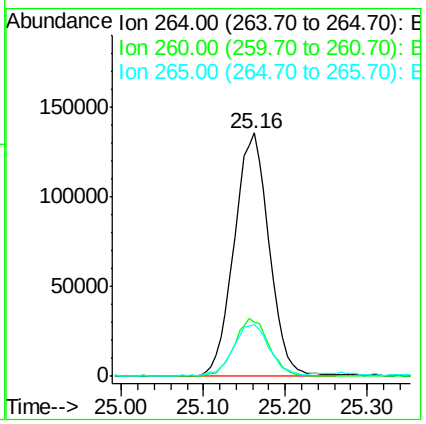


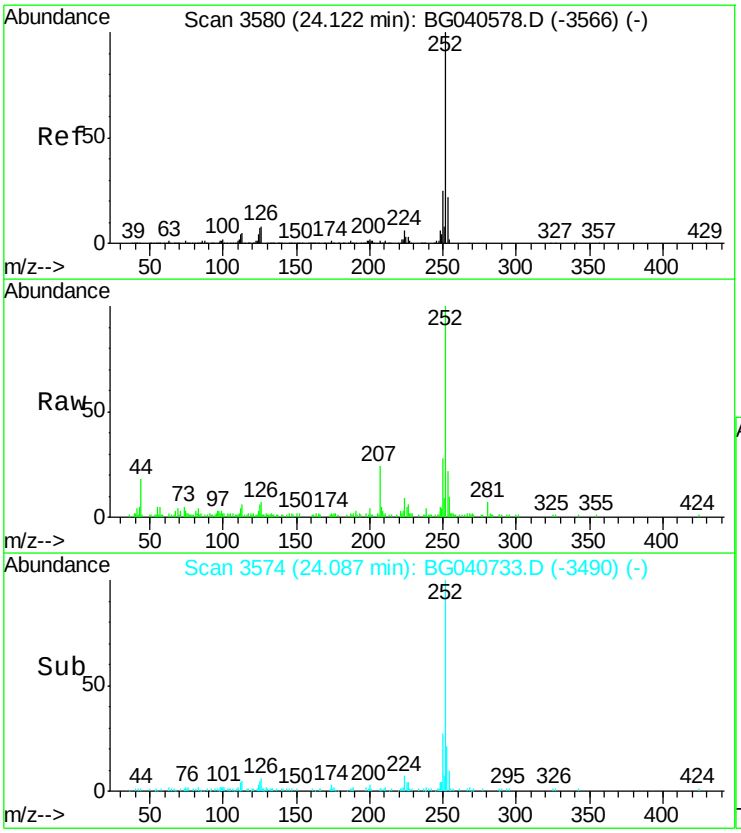
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:264 Resp: 404553

Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.2	16.6	25.0

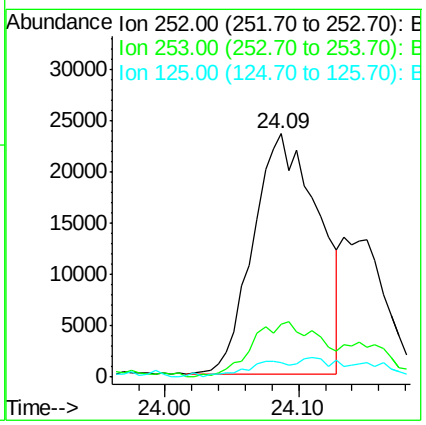


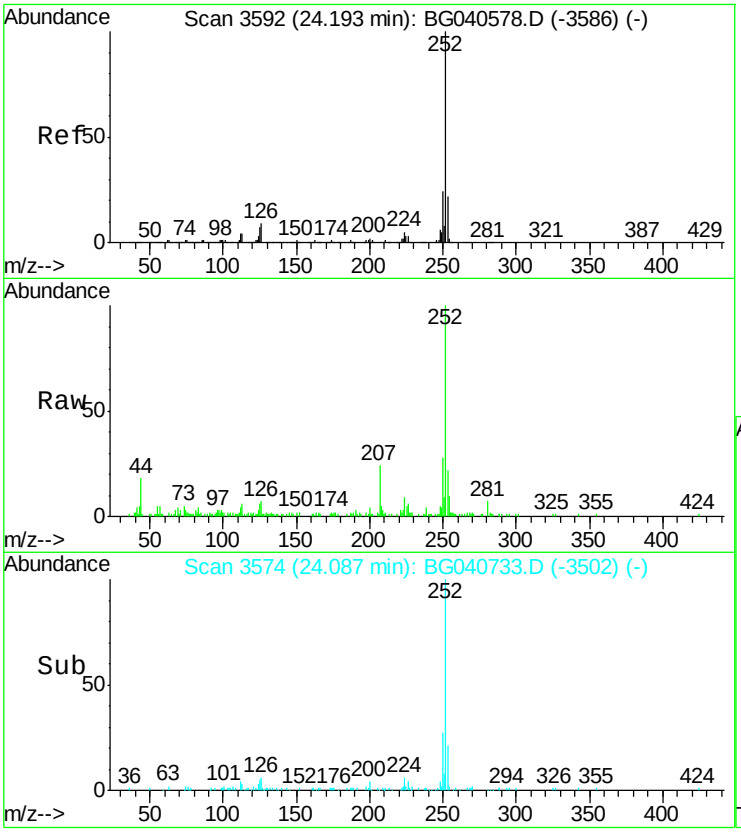


#88
Benzo(b)fluoranthene
Concen: 3.235 ng
RT: 24.09 min Scan# 3574
Delta R.T. -0.04 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:252 Resp: 79975

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	5.7	5.4	8.0



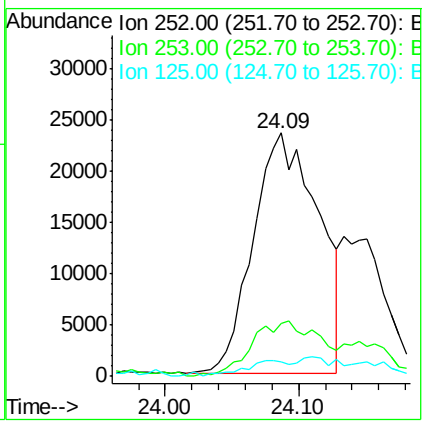


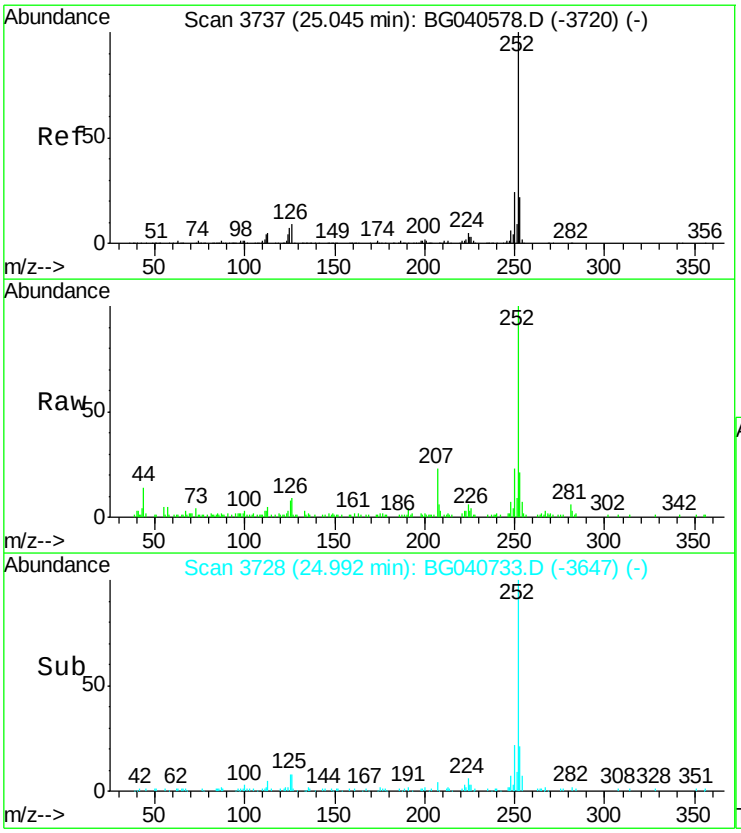
#89
Benzo(k)fluoranthene
Concen: 3.464 ng
RT: 24.09 min Scan# 3574
Delta R.T. -0.11 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Instrument :
BNA_G
ClientSampleId :
SP-1-B

Tgt Ion:252 Resp: 79975

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	5.7	5.5	8.3





#90
Benzo(a)pyrene
Concen: 3.450 ng
RT: 24.99 min Scan# 3728
Delta R.T. -0.05 min
Lab File: BG040733.D
Acq: 3 May 2019 20:23

Tgt Ion:252 Resp: 80745

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	8.4	5.7	8.5