Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
Data File : BG040796.D
Acq On : 8 May 2019 20:17
Operator : HP/JU
Sample : K2641-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-050719-A

Quant Time: May 09 04:59:21 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	38670	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	156816	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	119309	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	344355	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	321205	20.00	ng	-0.03
87) Perylene-d12	25.15	264	235582	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	363641	165.77	ng	-0.01
7) Phenol-d6	7.28	99	483613	143.18	ng	-0.02
23) Nitrobenzene-d5	9.32	82	429357	126.51	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	275670	168.10	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	913014	110.52	ng	-0.02
79) Terphenyl-d14	20.11	244	1903421	131.28	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.28	77	1618	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.32	70	61893	20.356	ng	# 72
51) 2,6-Dinitrotoluene	14.77	165	15951	8.187	ng	# 14
57) 2,4-Dinitrotoluene	14.77	165	15951	6.025	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.24	198	255	7.229	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	20455	4.768	ng	# 1
77) Benzidine	20.11	184	34679	3.943	ng	# 95

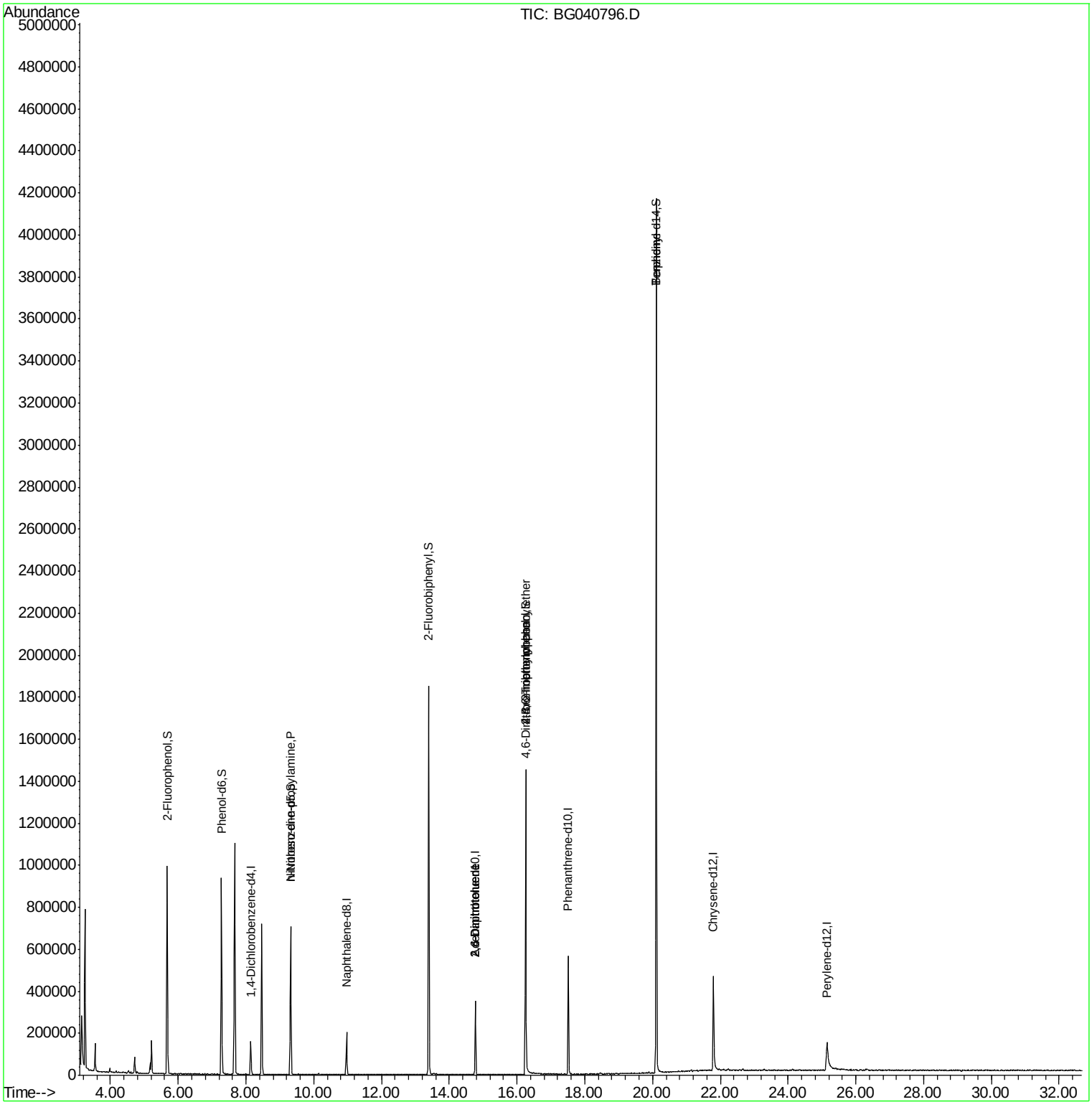
(#) = qualifier out of range (m) = manual integration (+) = signals summed

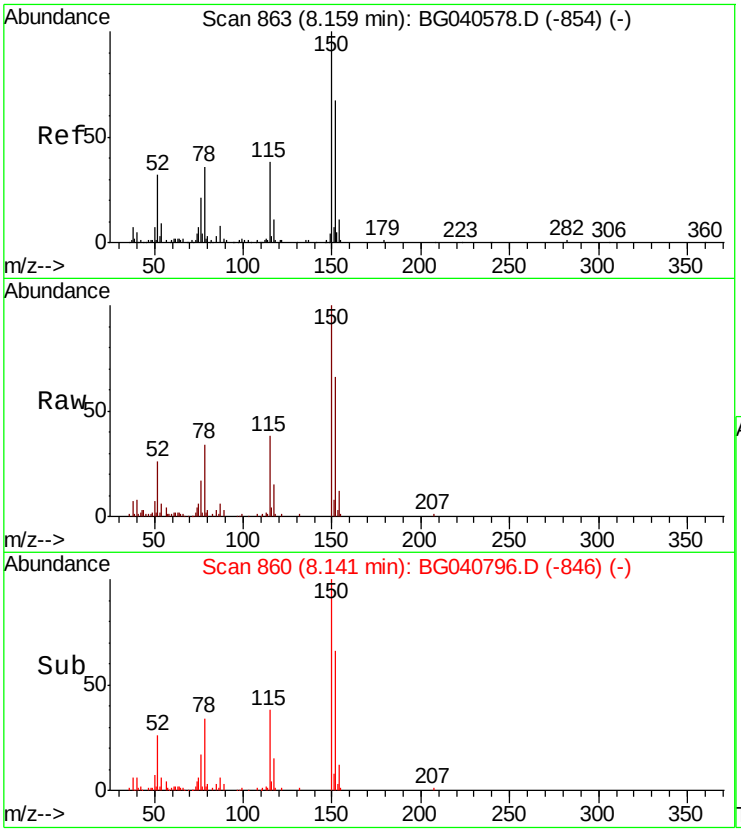
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
Data File : BG040796.D
Acq On : 8 May 2019 20:17
Operator : HP/JU
Sample : K2641-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Quant Time: May 09 04:59:21 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



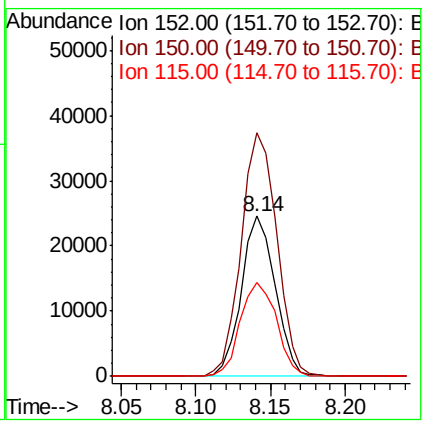


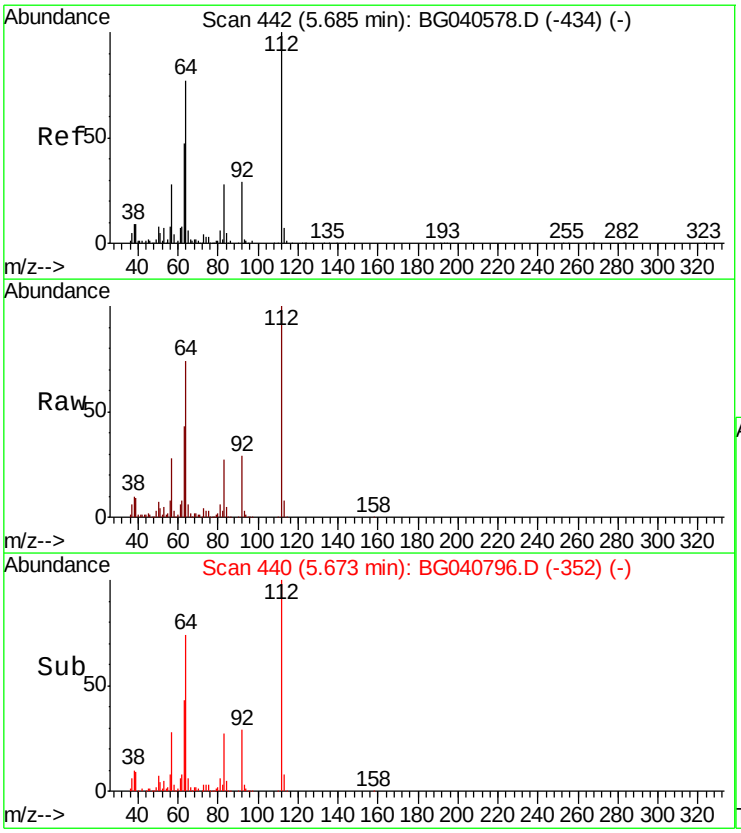
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:152 Resp: 38670

Ion	Ratio	Lower	Upper
152	100		
150	151.8	120.2	180.2
115	58.3	46.2	69.2

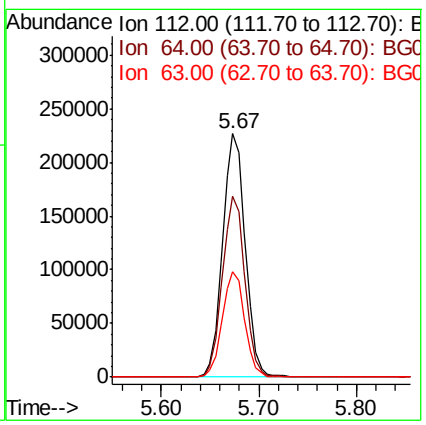


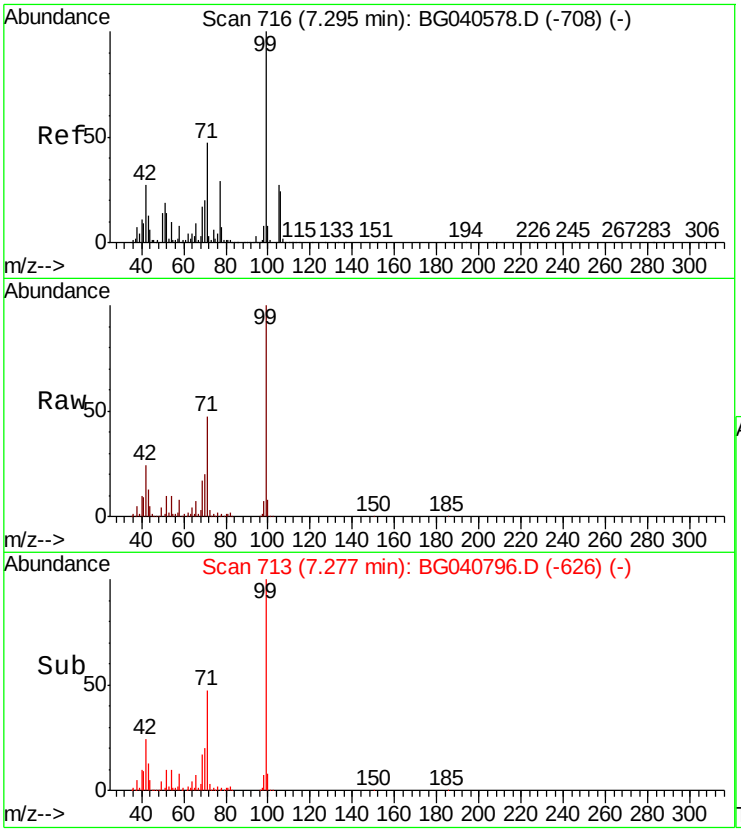


#5
2-Fluorophenol
Concen: 165.765 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:112 Resp: 363641

Ion	Ratio	Lower	Upper
112	100		
64	74.3	61.4	92.0
63	43.3	37.8	56.6



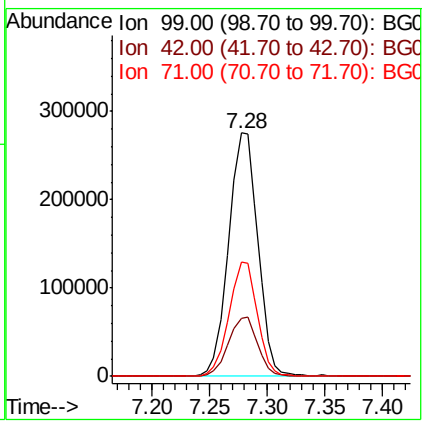


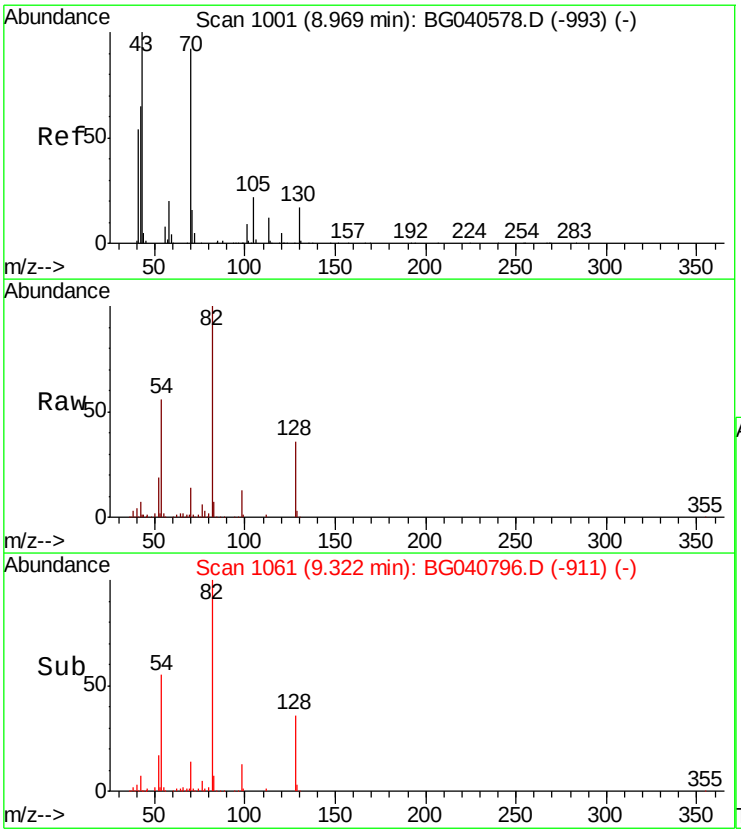
#7
Phenol-d6
Concen: 143.178 ng
RT: 7.28 min Scan# 713
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion: 99 Resp: 483613

Ion	Ratio	Lower	Upper
99	100		
42	24.0	21.8	32.8
71	46.7	38.6	57.8

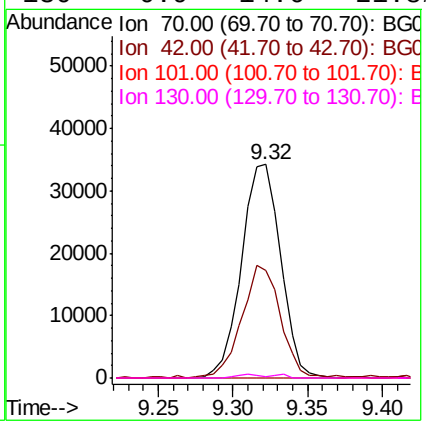


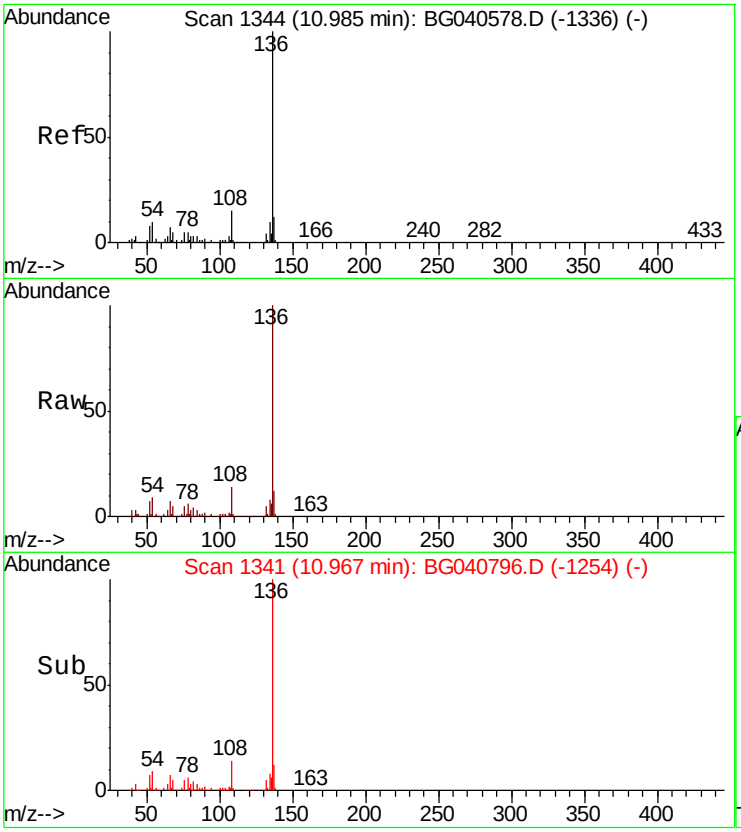


#19
n-Nitroso-di-n-propylamine
Concen: 20.356 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion: 70 Resp: 61893

Ion	Ratio	Lower	Upper
70	100		
42	50.4	57.1	85.7#
101	0.0	7.8	11.8#
130	0.9	14.6	21.8#



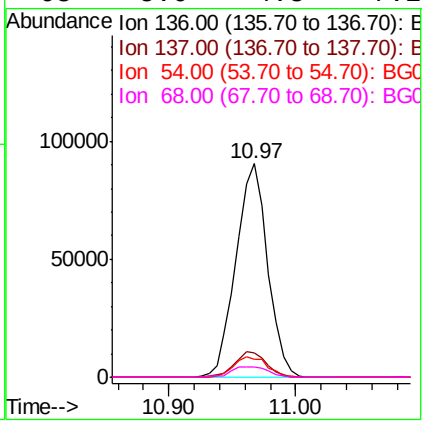


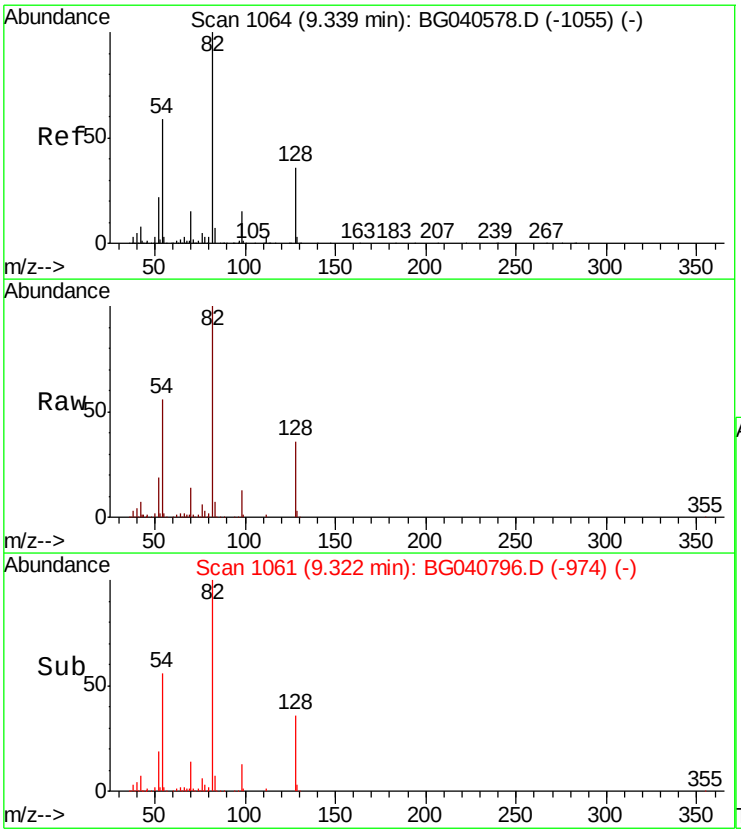
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:136 Resp: 156816

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.7	14.5
54	8.6	8.6	12.8
68	5.0	4.8	7.2

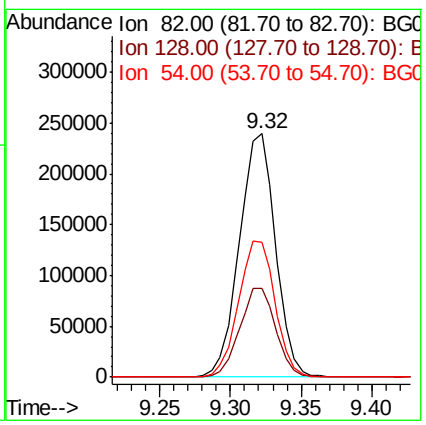


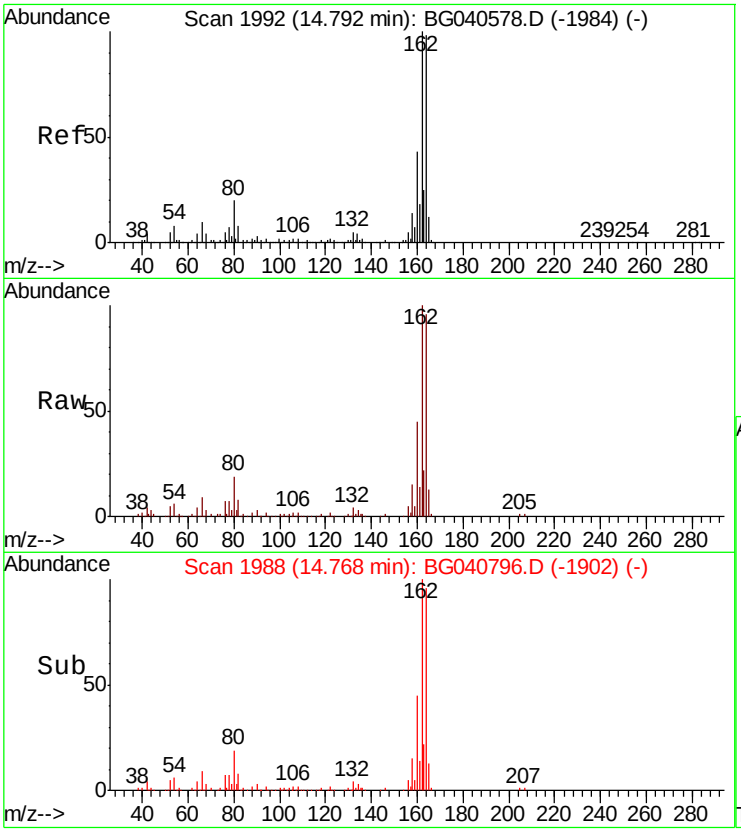


#23
Nitrobenzene-d5
Concen: 126.511 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion: 82 Resp: 429357

Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.9	43.3
54	55.6	47.2	70.8



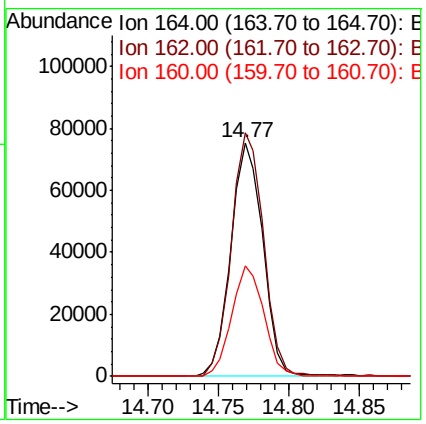


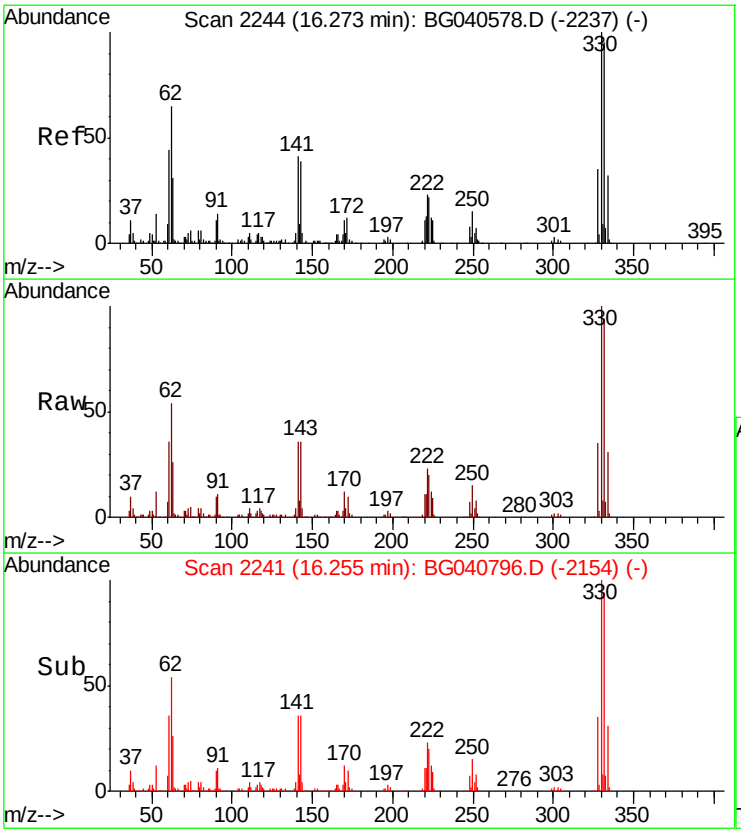
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:164 Resp: 119309

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.9	122.9
160	47.1	35.4	53.2

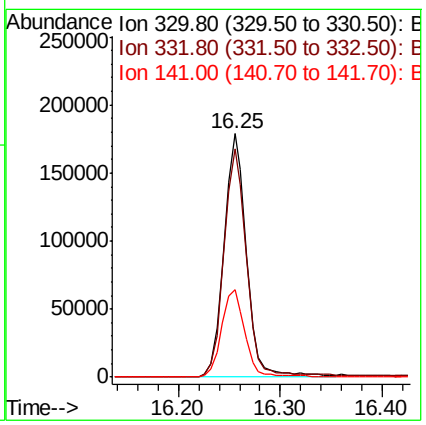


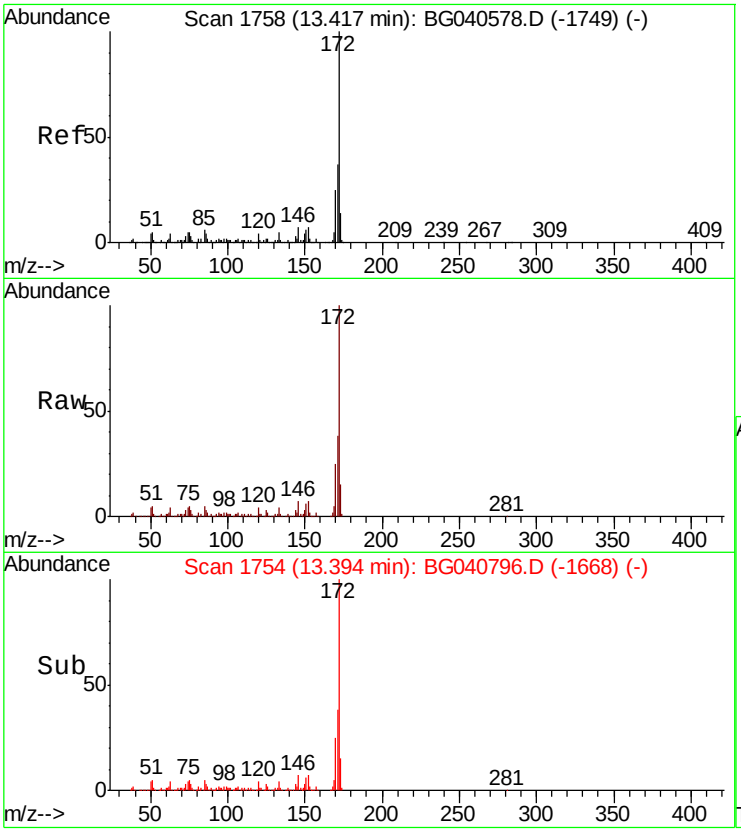


#42
2,4,6-Tribromophenol
Concen: 168.099 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:330 Resp: 275670

Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.9	113.9
141	36.7	32.4	48.6



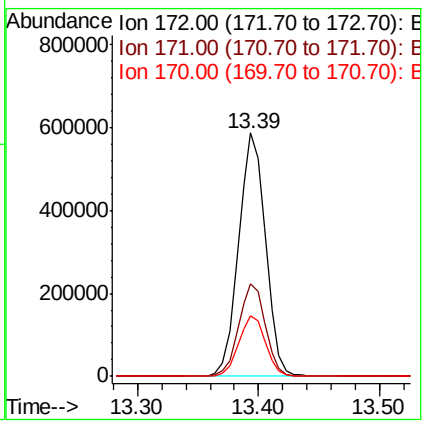


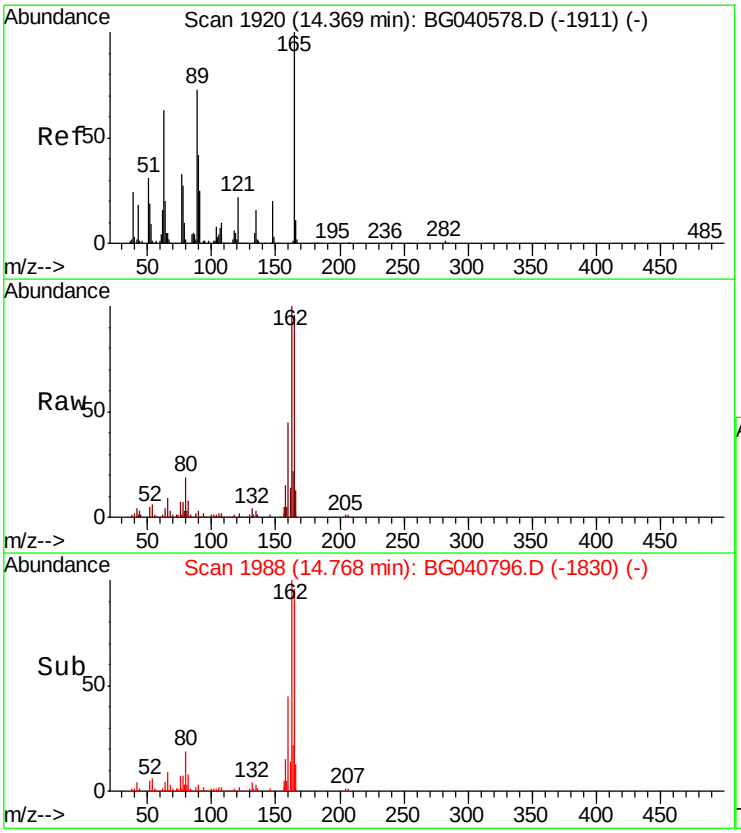
#45
2-Fluorobiphenyl
Concen: 110.518 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:172 Resp: 913014

Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.2
170	24.7	19.9	29.9

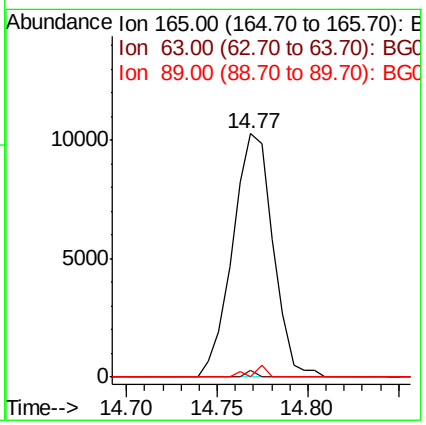


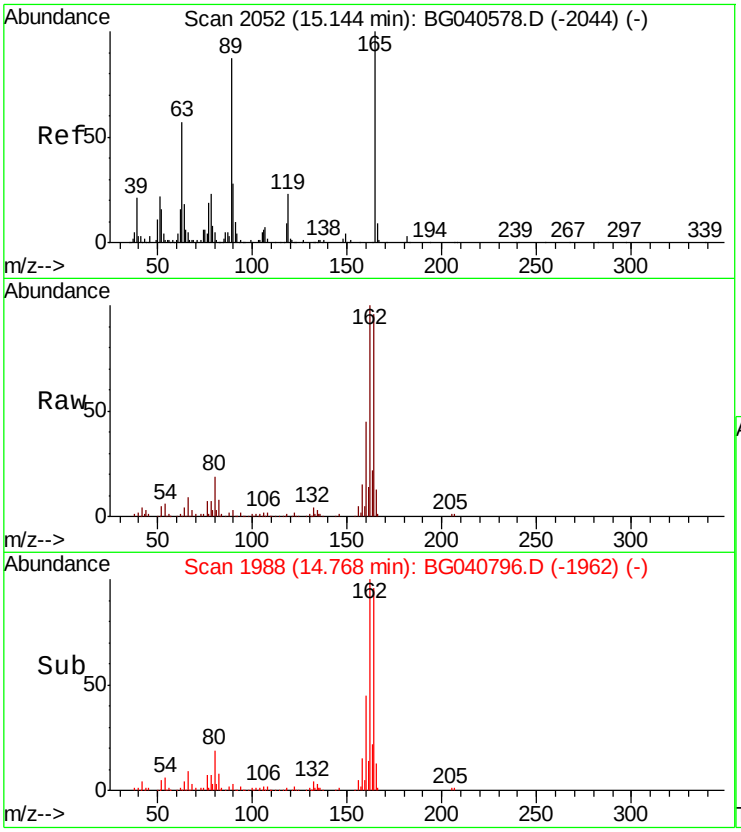


#51
2,6-Dinitrotoluene
Concen: 8.187 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:165 Resp: 15951

Ion	Ratio	Lower	Upper
165	100		
63	2.8	61.0	91.4#
89	0.0	58.6	87.8#



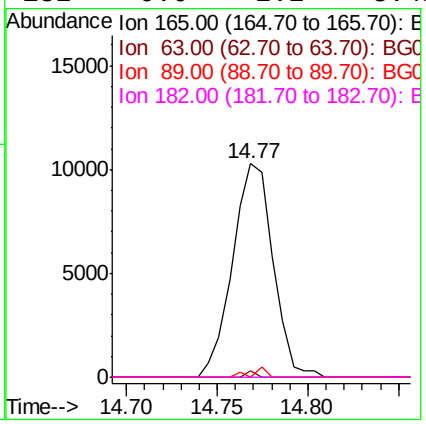


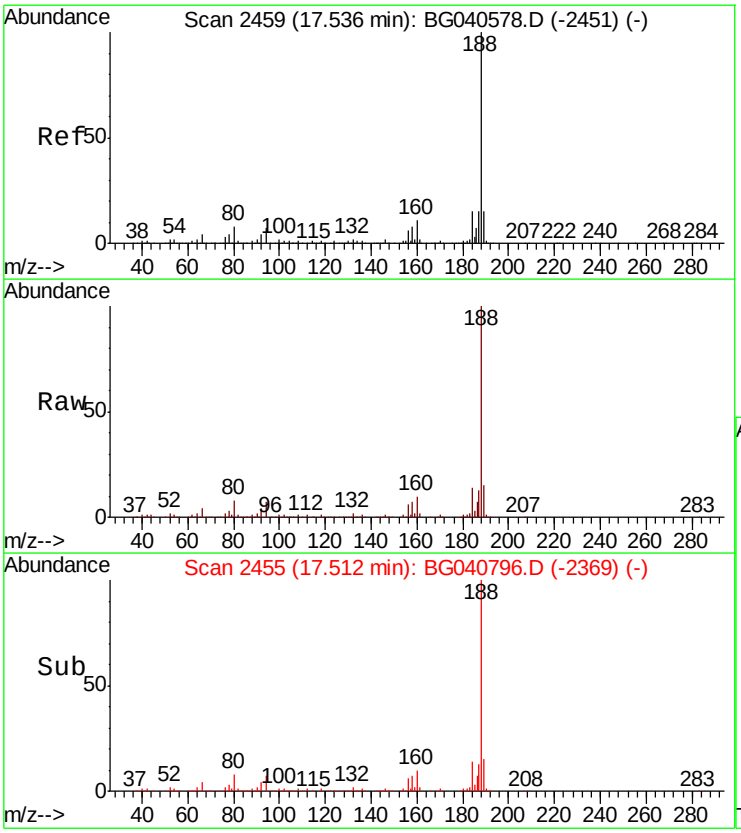
#57
2,4-Dinitrotoluene
Concen: 6.025 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:165 Resp: 15951

Ion	Ratio	Lower	Upper
165	100		
63	2.8	45.8	68.8#
89	0.0	69.4	104.2#
182	0.0	2.2	3.4#

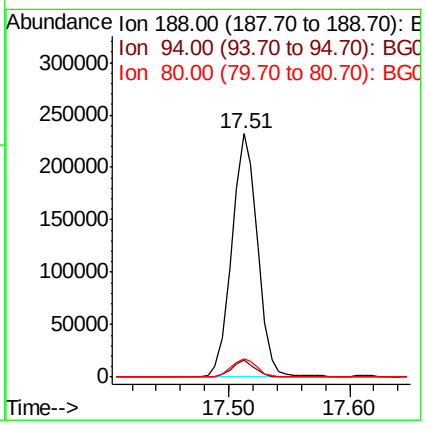


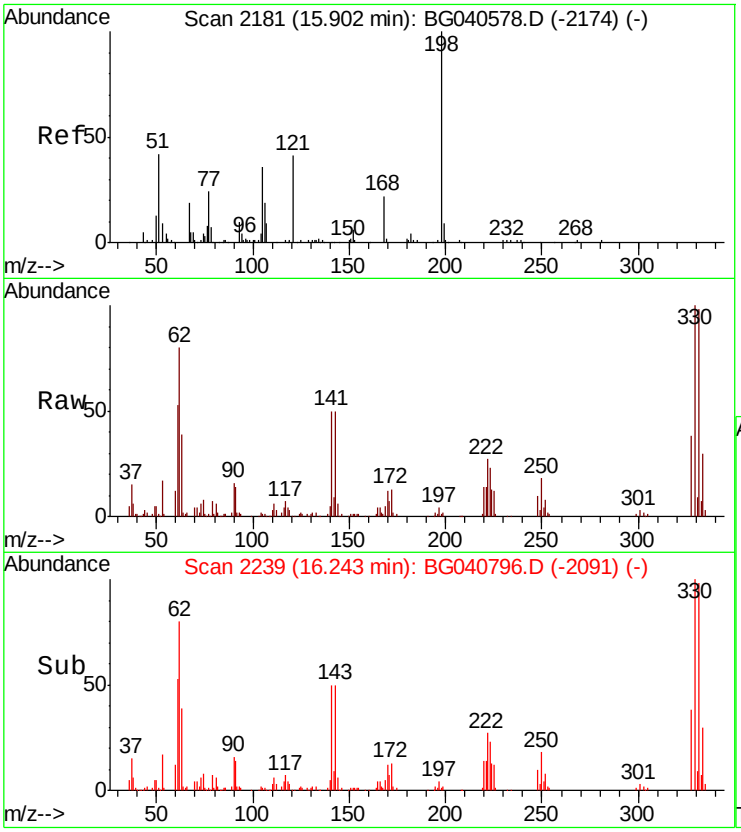


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:188 Resp: 344355

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.6	8.4
80	7.8	6.4	9.6



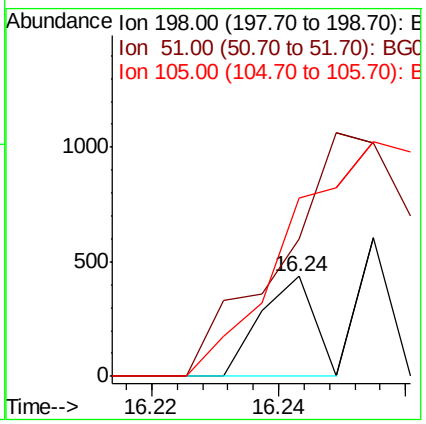


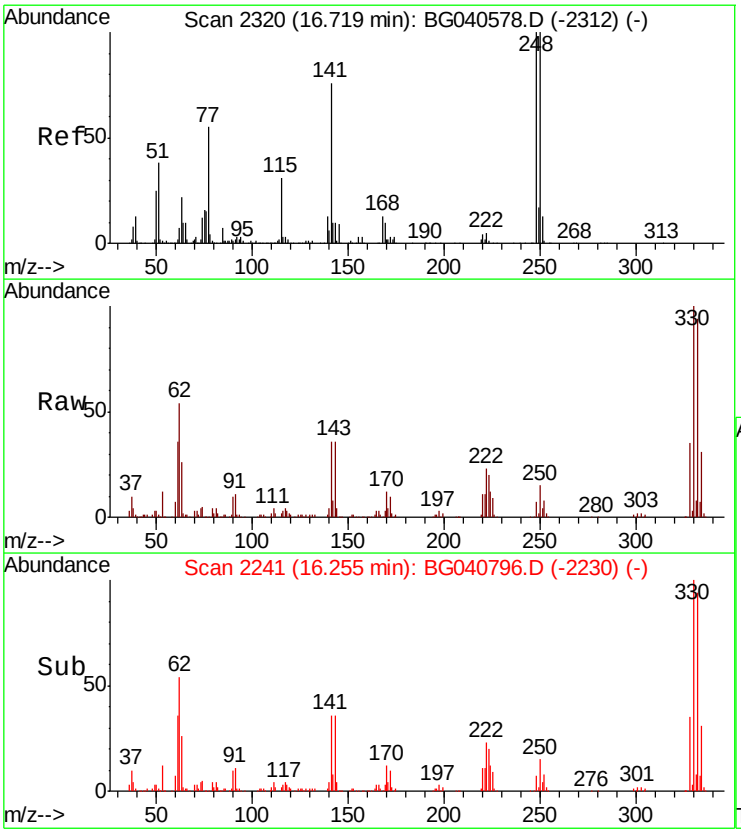
#65
4,6-Dinitro-2-methylphenol
Concen: 7.229 ng
RT: 16.24 min Scan# 2239
Delta R.T. 0.34 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:198 Resp: 255

Ion	Ratio	Lower	Upper
198	100		
51	137.2	35.9	75.9#
105	178.4	21.2	61.2#

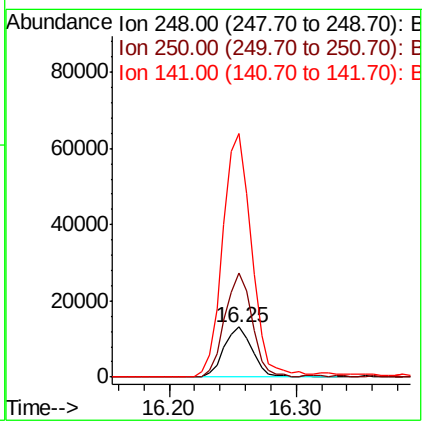


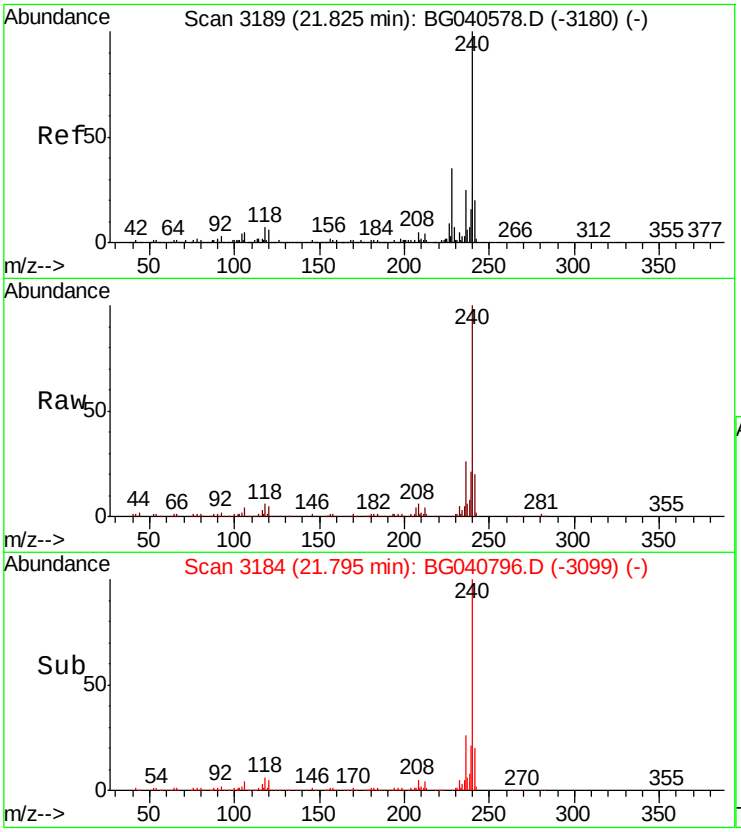


#67
4-Bromophenyl-phenylether
Concen: 4.768 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:248 Resp: 20455

Ion	Ratio	Lower	Upper
248	100		
250	209.0	79.8	119.6#
141	487.6	60.8	91.2#



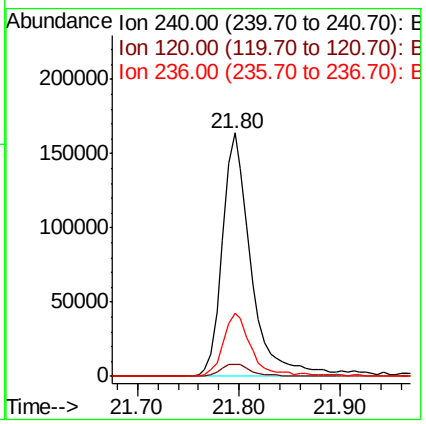


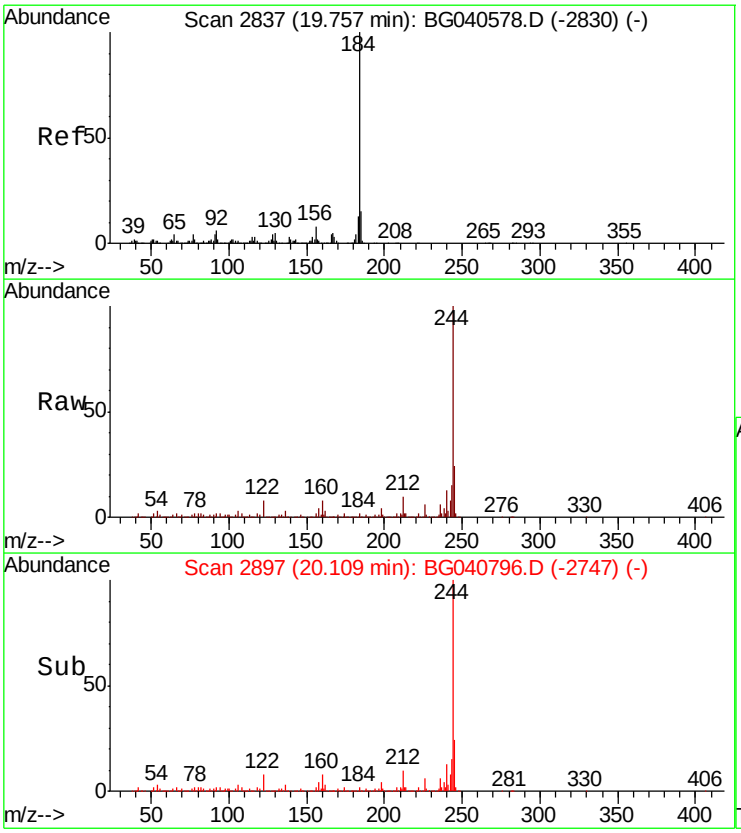
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:240 Resp: 321205

Ion	Ratio	Lower	Upper
240	100		
120	4.8	5.0	7.6#
236	25.9	20.3	30.5

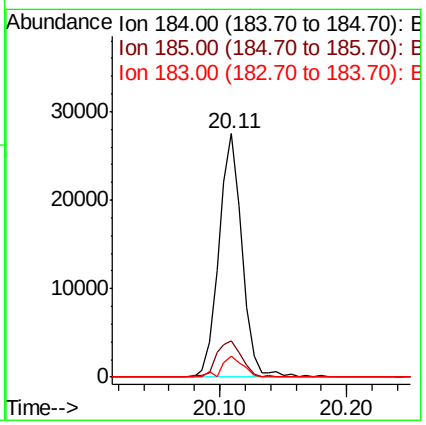


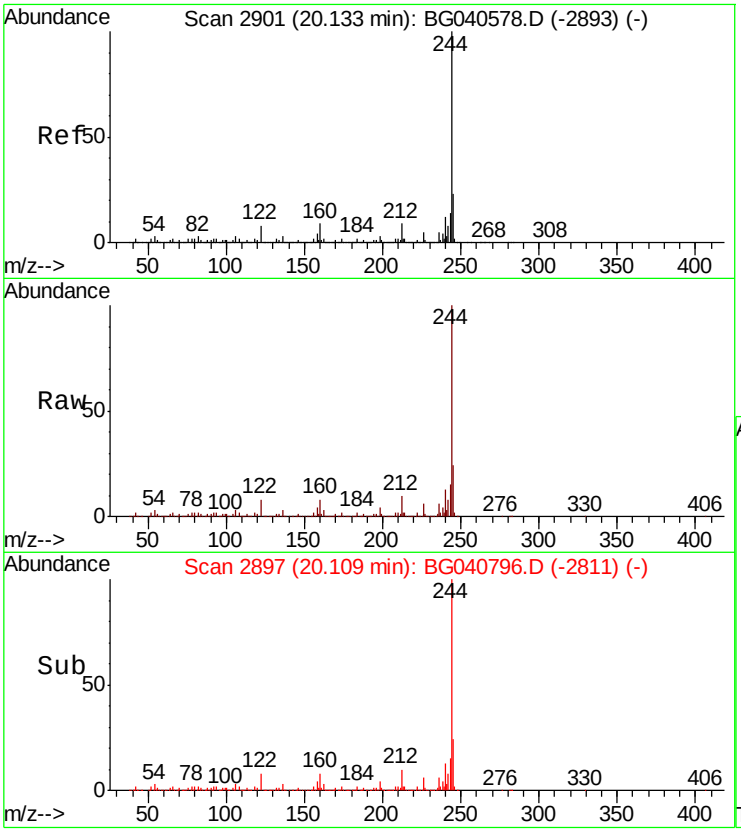


#77
Benzidine
Concen: 3.943 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:184 Resp: 34679

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.8
183	8.8	10.2	15.2#



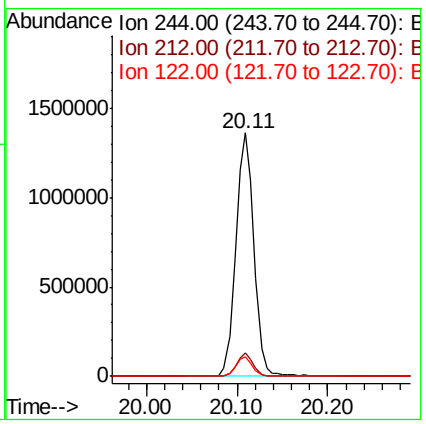


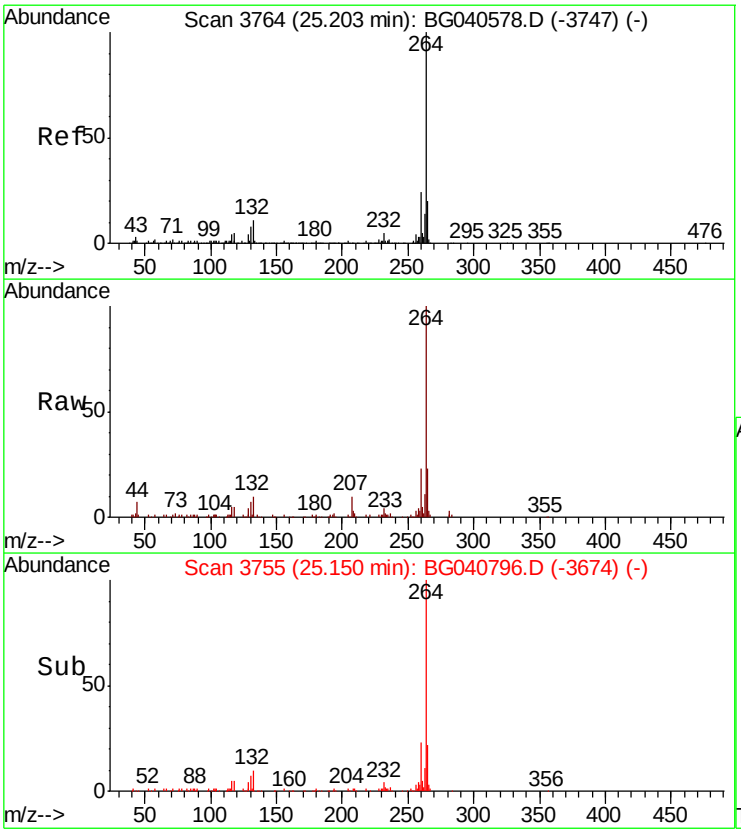
#79
Terphenyl-d14
Concen: 131.283 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-A

Tgt Ion:244 Resp: 1903421

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.2	10.8
122	8.0	6.6	10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040796.D
Acq: 8 May 2019 20:17

Tgt Ion:264 Resp: 235582

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.7	16.6	25.0