Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
Data File : BG040817.D
Acq On : 9 May 2019 11:29
Operator : HP/JU
Sample : K2645-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 09 15:00:25 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	42293	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	170342	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	128881	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	359002	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	329716	20.00	ng	-0.03
87) Perylene-d12	25.15	264	234385	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	372854	155.40	ng	-0.01
7) Phenol-d6	7.28	99	507742	137.44	ng	-0.01
23) Nitrobenzene-d5	9.32	82	446049	120.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	268323	151.47	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	985697	110.45	ng	-0.03
79) Terphenyl-d14	20.11	244	1981332	133.13	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.26	77	1273	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.32	70	64986	19.542	ng	# 72
51) 2,6-Dinitrotoluene	14.77	165	15987	7.596	ng	# 14
54) 2,4-Dinitrophenol	14.99	184	54	7.056	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	15987	5.590	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.75	198	71	7.135	ng	# 28
67) 4-Bromophenyl-phenylether	16.25	248	19193	4.291	ng	# 1
77) Benzidine	20.11	184	36563	4.050	ng	# 93

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

Quantitation Report (Not Reviewed)

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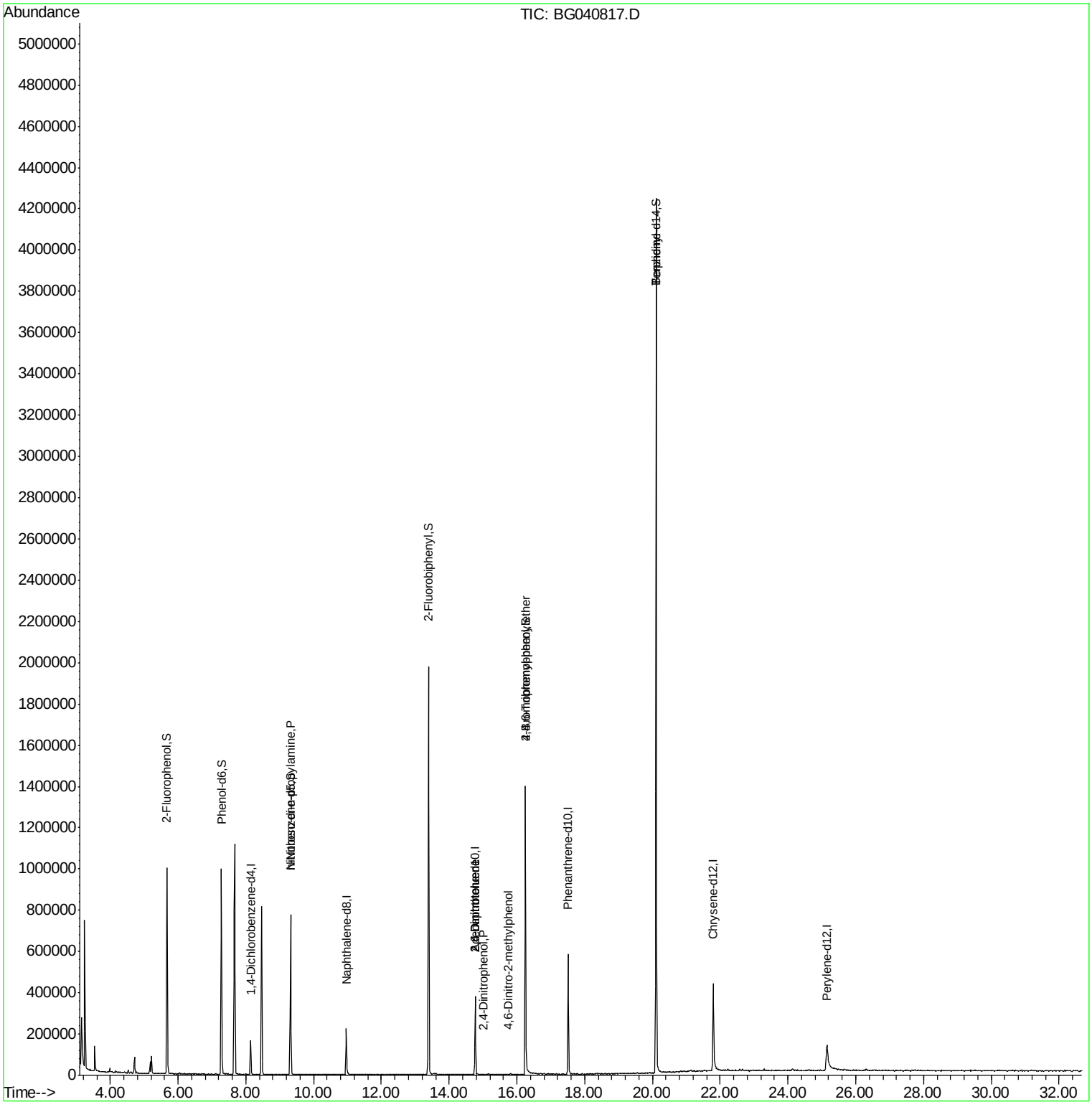
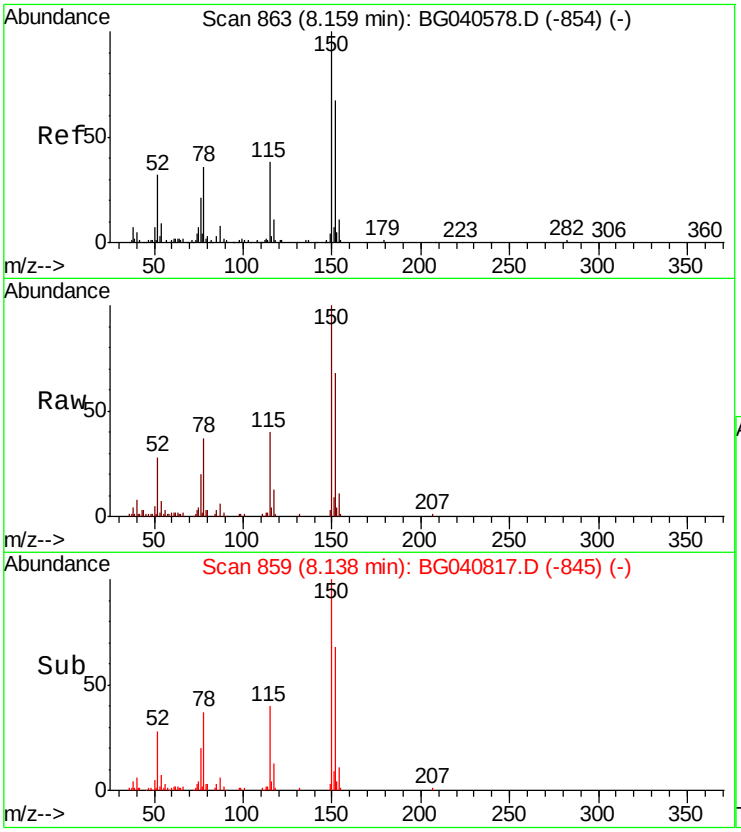


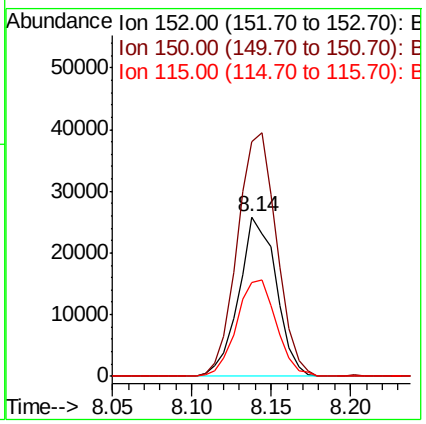


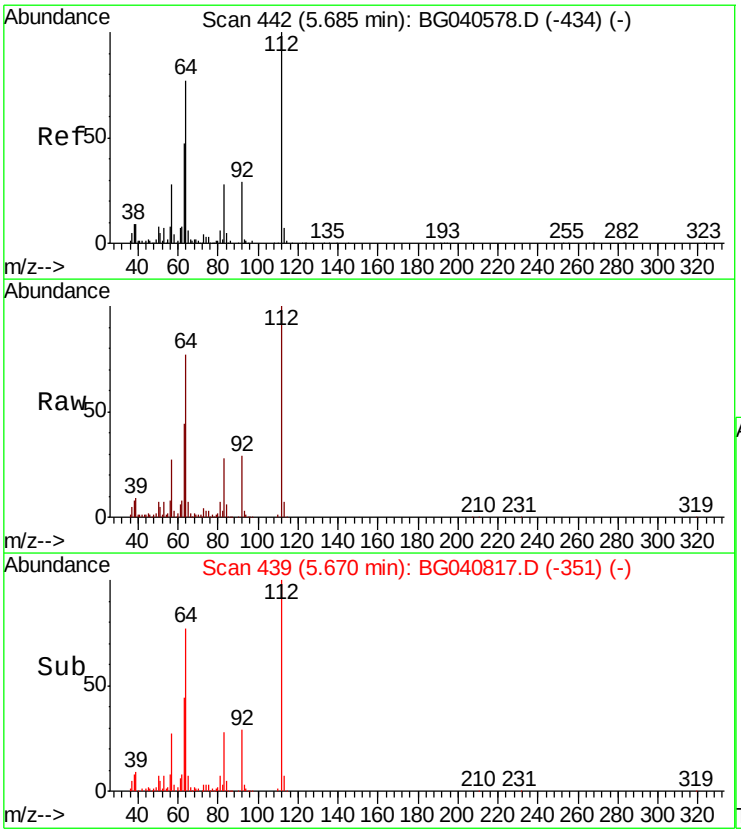
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 42293

Ion	Ratio	Lower	Upper
152	100		
150	147.6	120.2	180.2
115	58.9	46.2	69.2

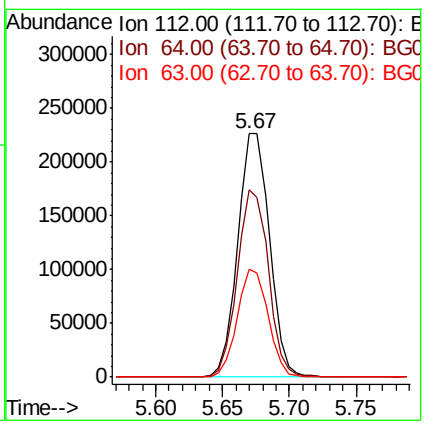


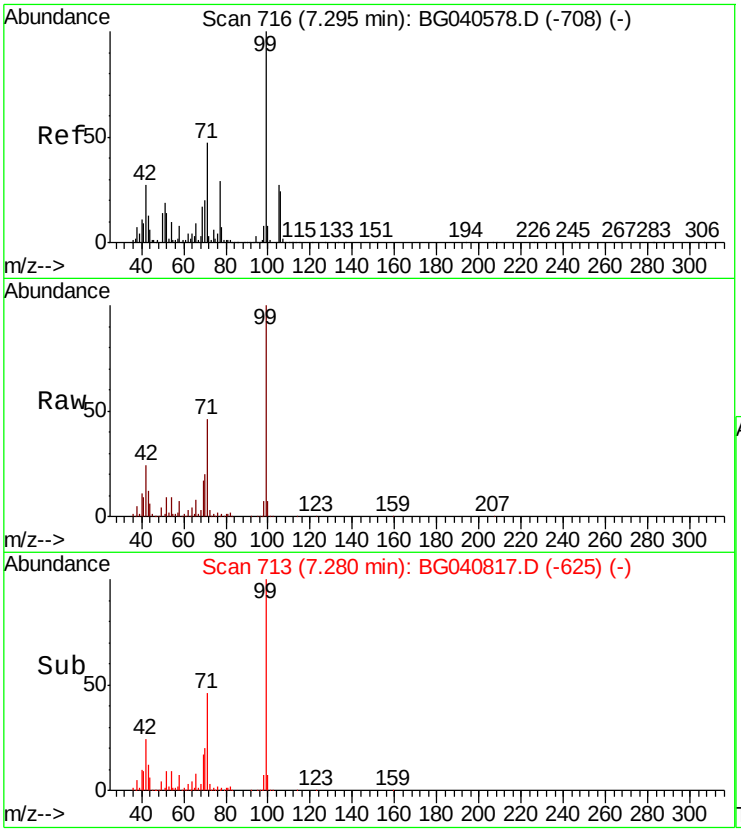


#5
2-Fluorophenol
Concen: 155.405 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.01 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:112 Resp: 372854

Ion	Ratio	Lower	Upper
112	100		
64	77.0	61.4	92.0
63	44.2	37.8	56.6



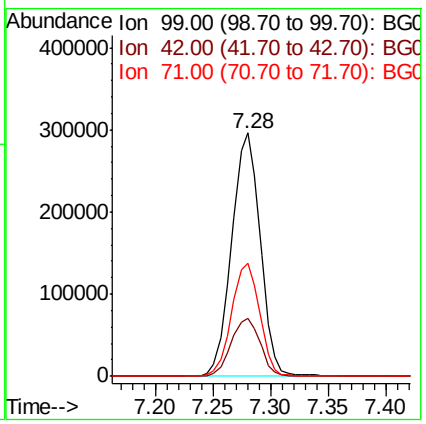


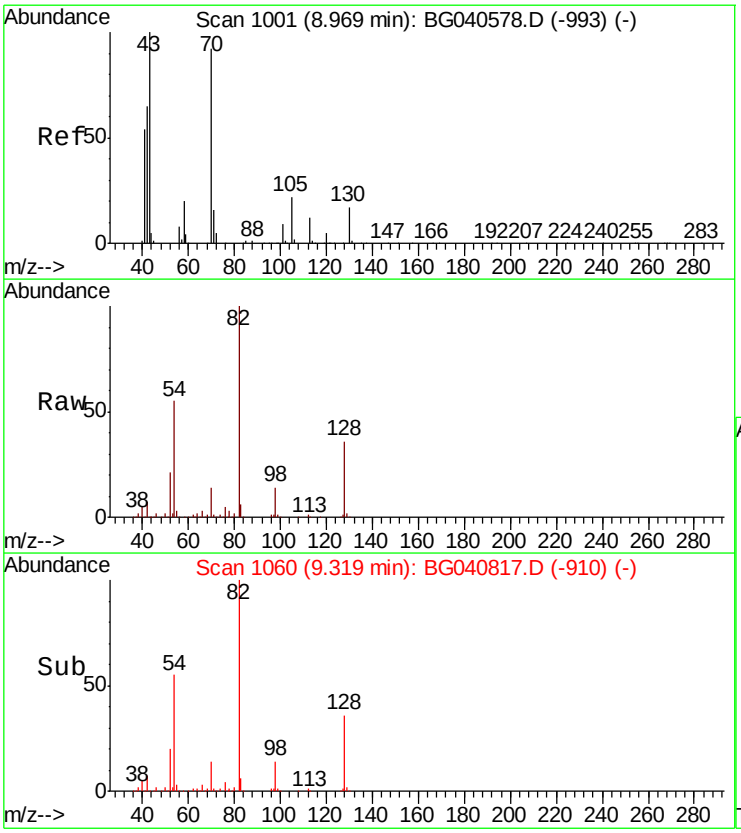
#7
Phenol-d6
Concen: 137.445 ng
RT: 7.28 min Scan# 713
Delta R.T. -0.01 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 507742

Ion	Ratio	Lower	Upper
99	100		
42	24.0	21.8	32.8
71	46.4	38.6	57.8

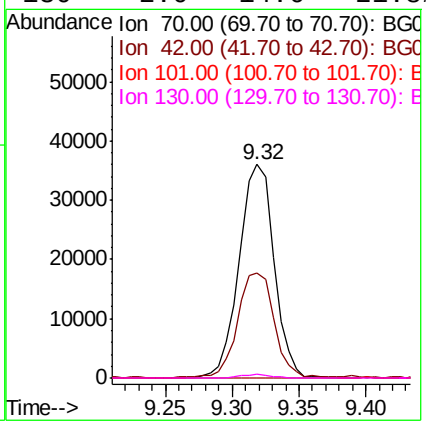


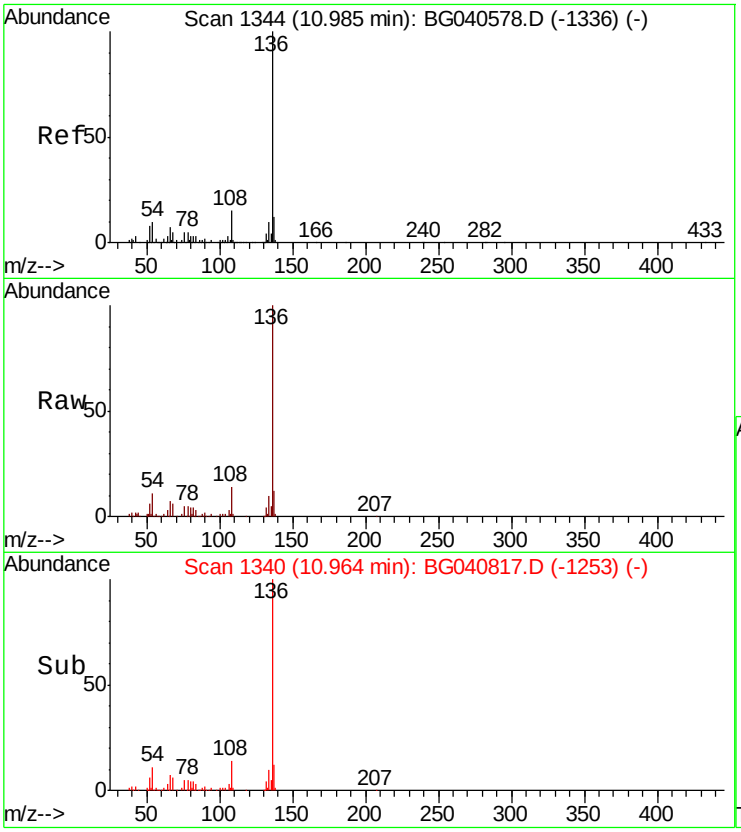


#19
n-Nitroso-di-n-propylamine
Concen: 19.542 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion: 70 Resp: 64986

Ion	Ratio	Lower	Upper
70	100		
42	49.4	57.1	85.7#
101	0.0	7.8	11.8#
130	2.0	14.6	21.8#



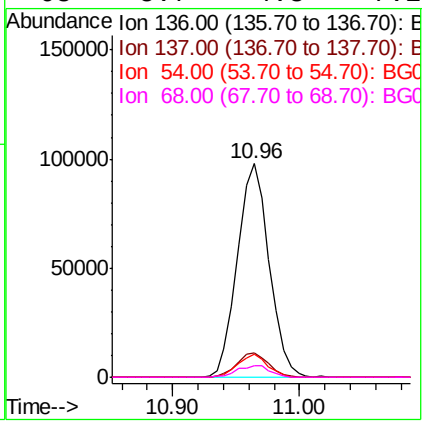


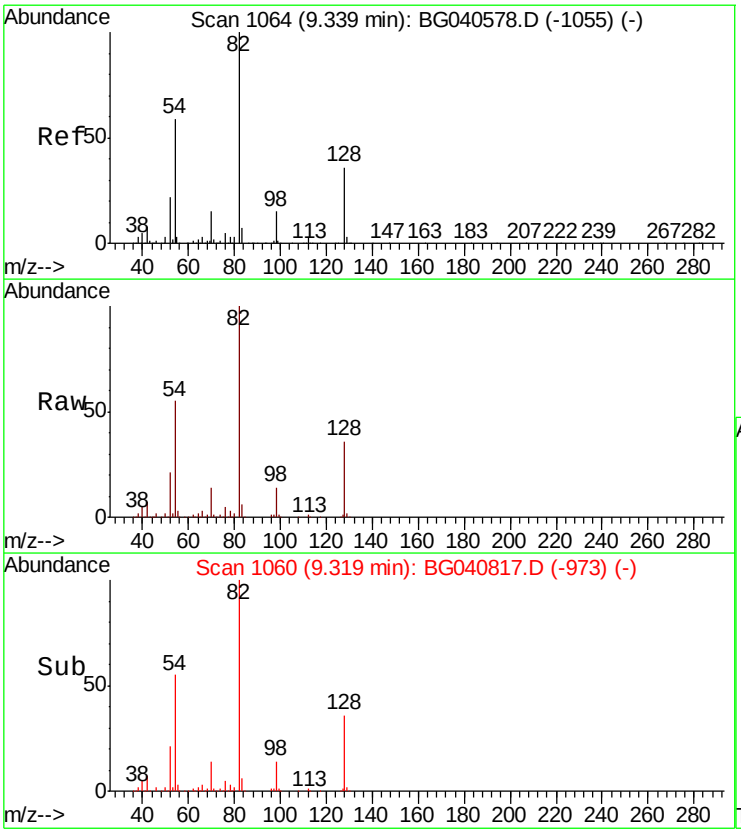
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 170342

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	10.8	8.6	12.8
68	5.7	4.8	7.2

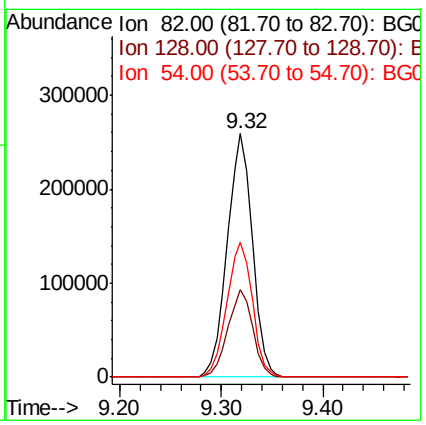


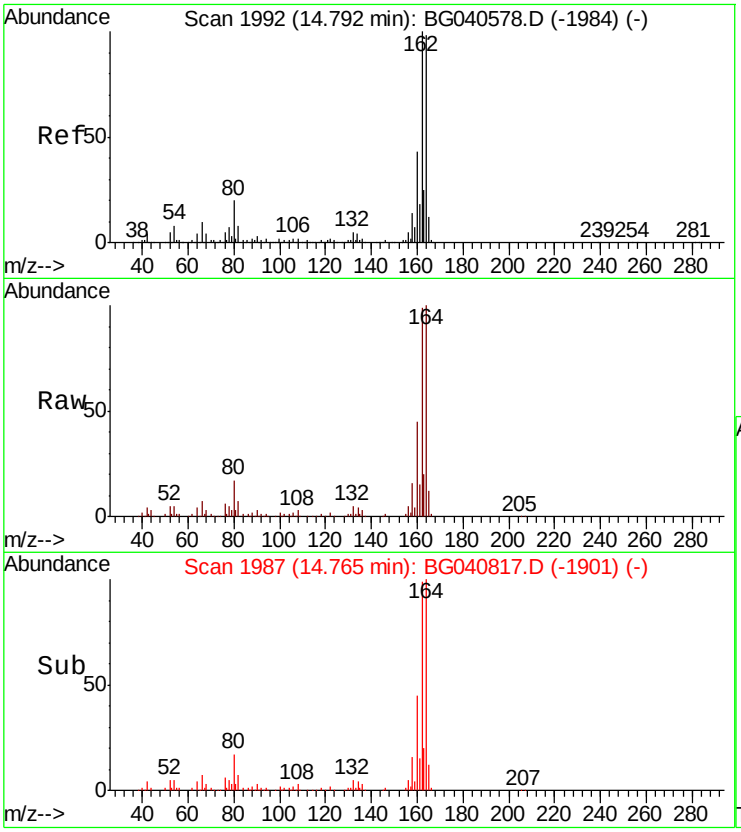


#23
Nitrobenzene-d5
Concen: 120.993 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion: 82 Resp: 446049

Ion	Ratio	Lower	Upper
82	100		
128	36.0	28.9	43.3
54	55.1	47.2	70.8



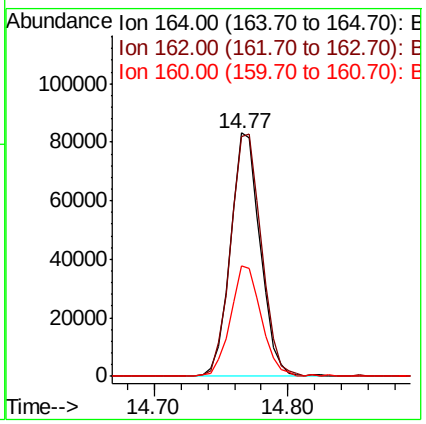


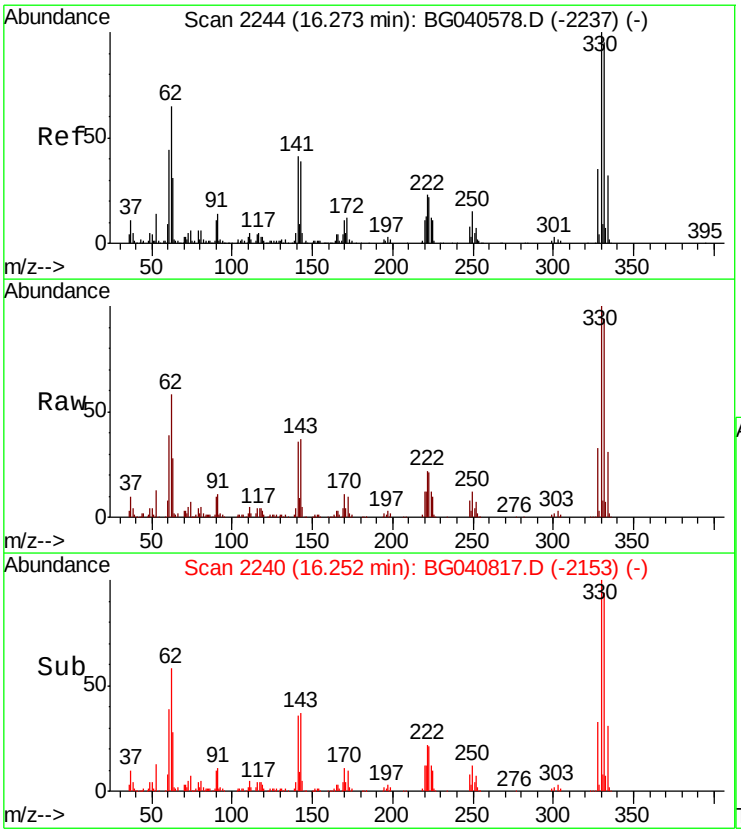
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 128881

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.9	122.9
160	45.5	35.4	53.2

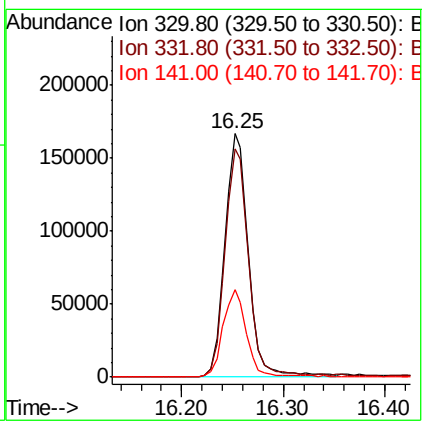


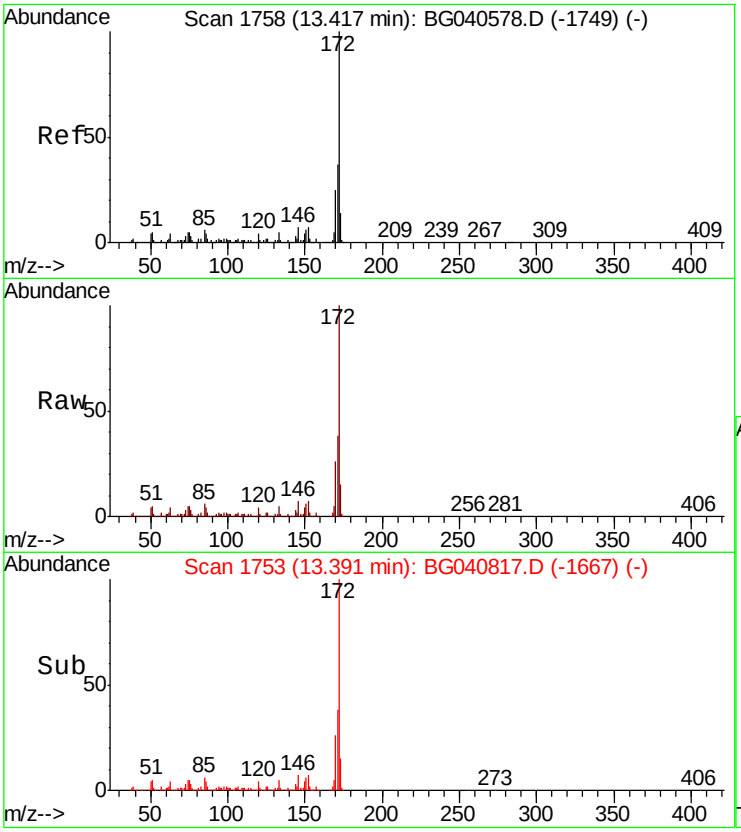


#42
2,4,6-Tribromophenol
Concen: 151.467 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.02 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:330 Resp: 268323

Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.9	113.9
141	35.9	32.4	48.6



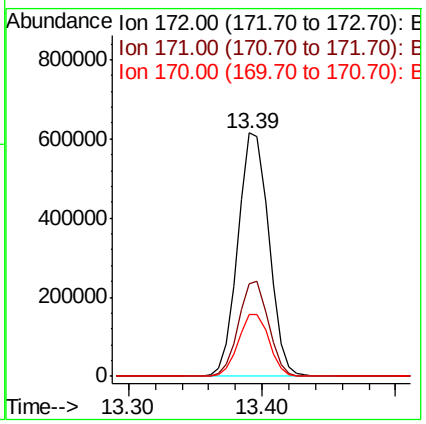


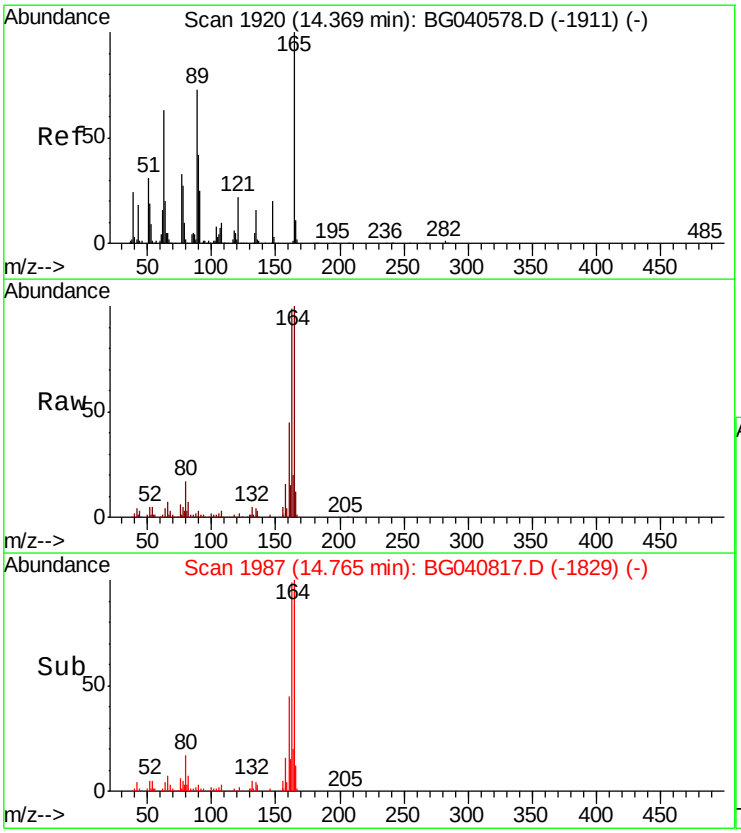
#45
2-Fluorobiphenyl
Concen: 110.454 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.03 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 985697

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.5	19.9	29.9

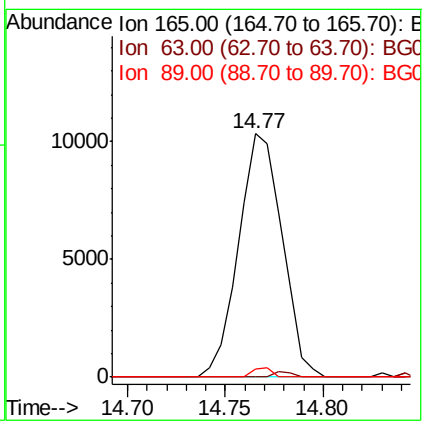


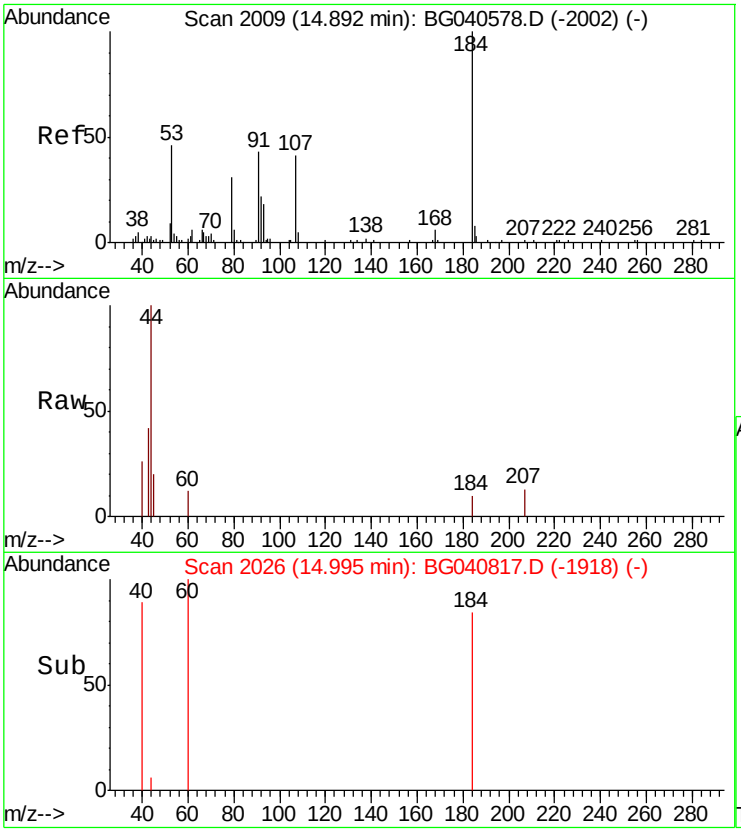


#51
2,6-Dinitrotoluene
Concen: 7.596 ng
RT: 14.77 min Scan# 1987
Delta R.T. 0.40 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:165 Resp: 15987

Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	3.4	58.6	87.8#



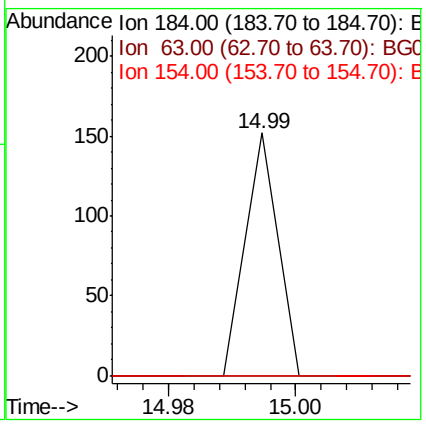


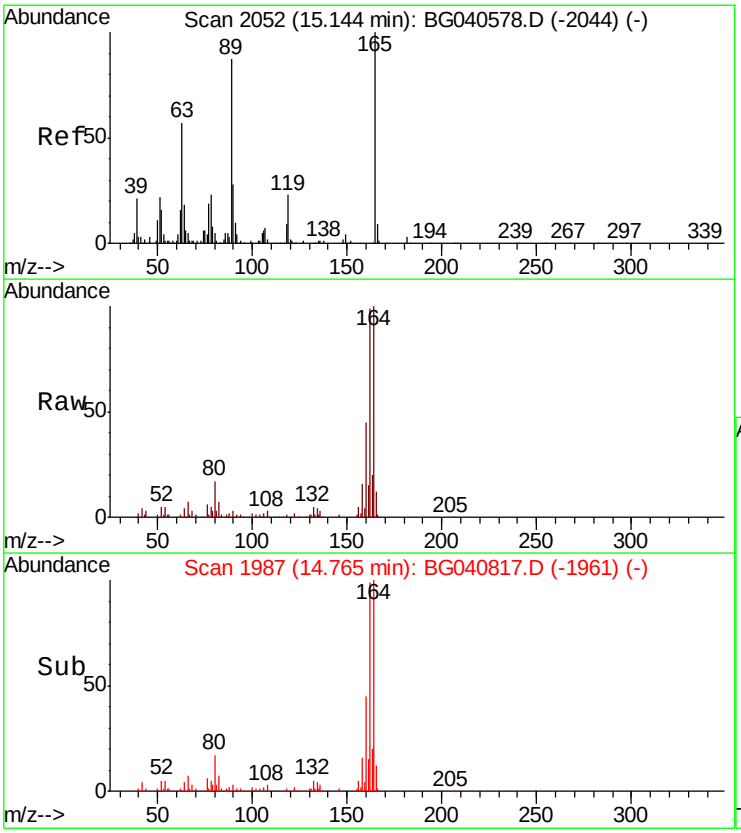
#54
2,4-Dinitrophenol
Concen: 7.056 ng
RT: 14.99 min Scan# 2026
Delta R.T. 0.10 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 54

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

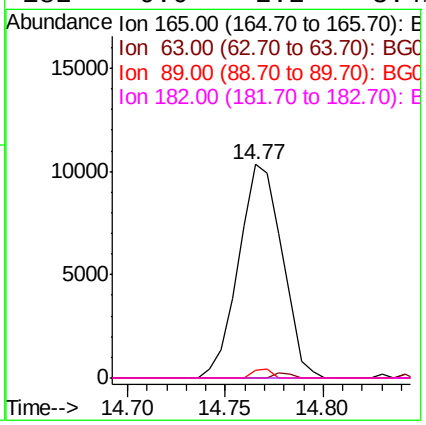


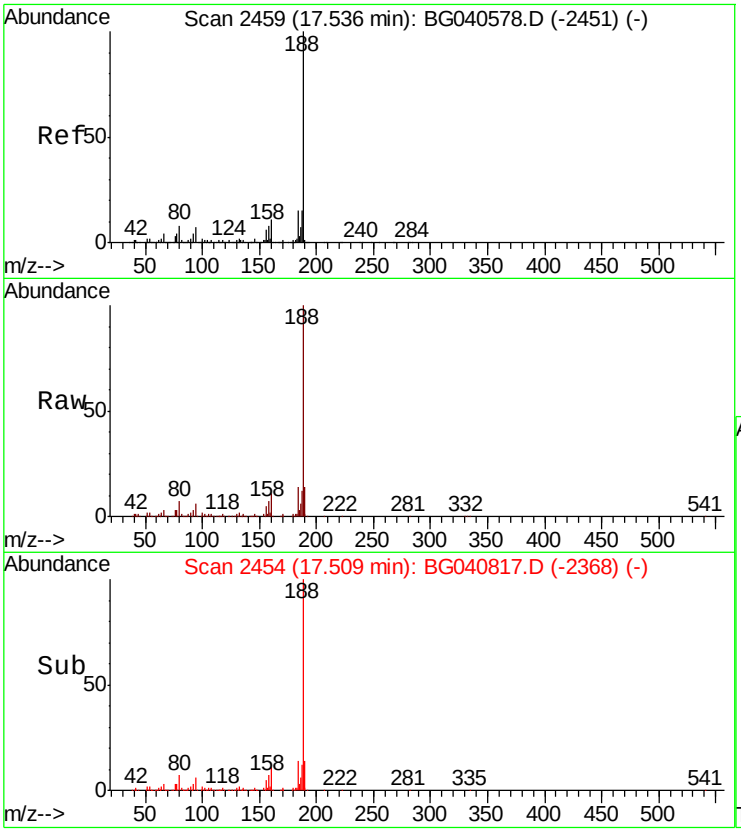


#57
2,4-Dinitrotoluene
Concen: 5.590 ng
RT: 14.77 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:165 Resp: 15987

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



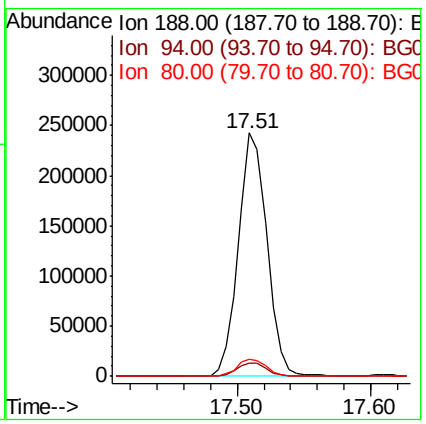


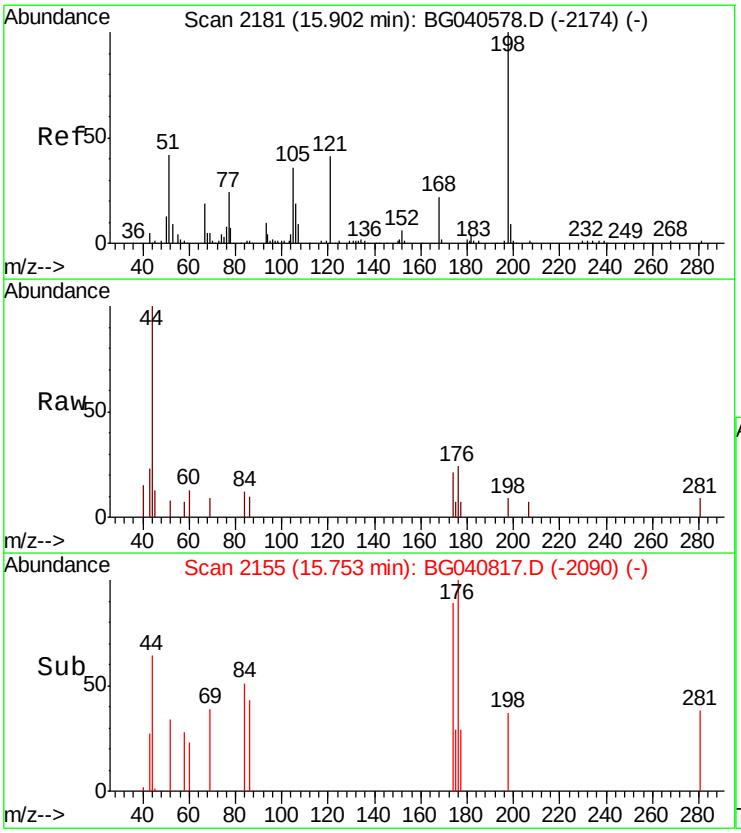
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 359002

Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.6	8.4
80	7.0	6.4	9.6

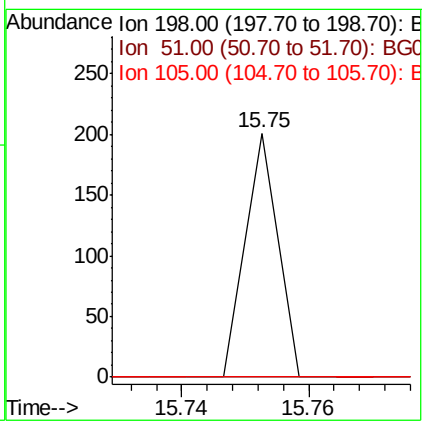


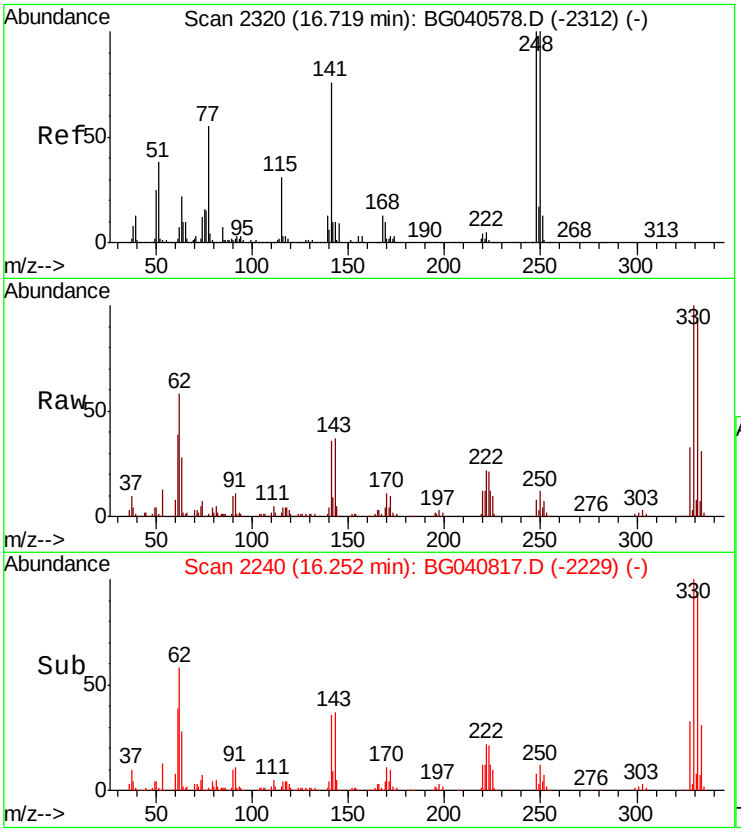


#65
4,6-Dinitro-2-methylphenol
Concen: 7.135 ng
RT: 15.75 min Scan# 2155
Delta R.T. -0.15 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:198 Resp: 71

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



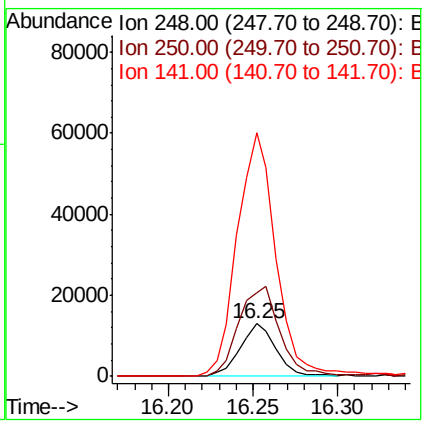


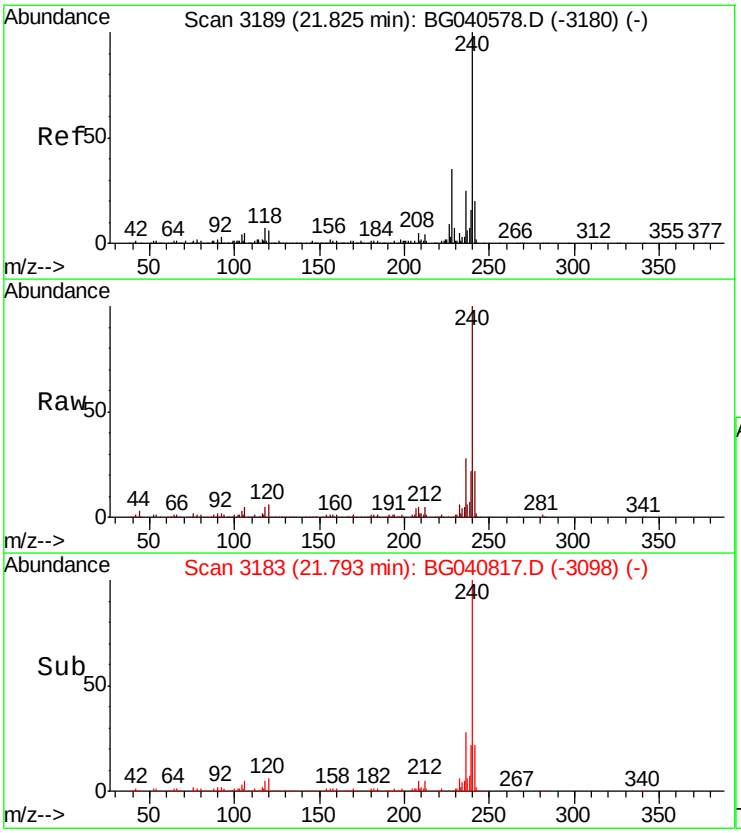
#67
4-Bromophenyl-phenylether
Concen: 4.291 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.47 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:248 Resp: 19193

Ion	Ratio	Lower	Upper
248	100		
250	159.8	79.8	119.6#
141	462.5	60.8	91.2#

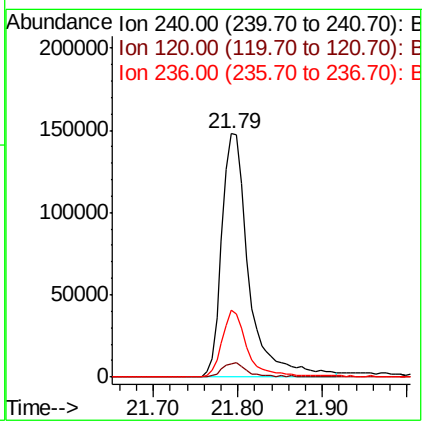


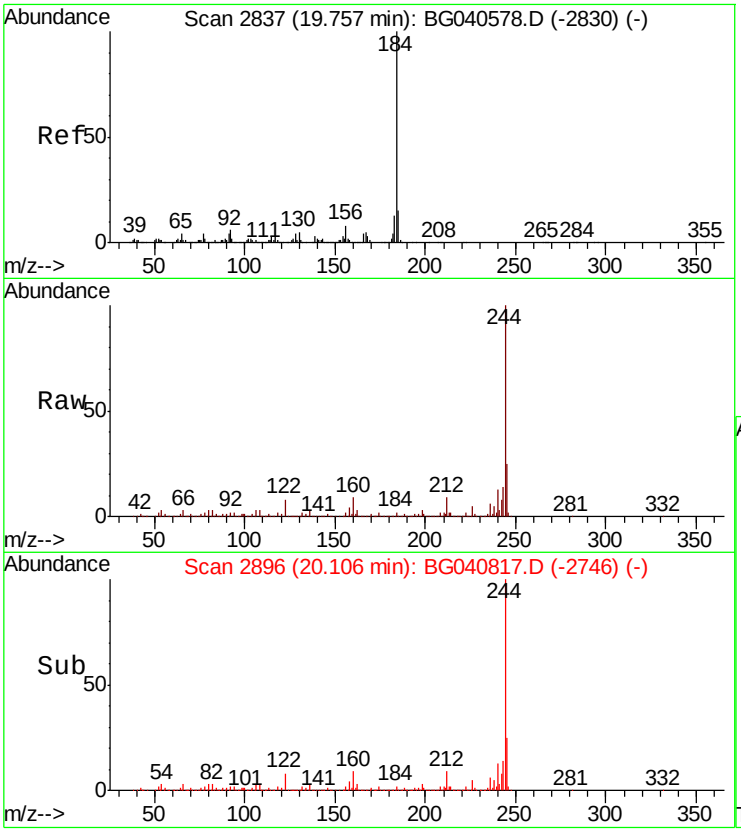


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.03 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:240 Resp: 329716

Ion	Ratio	Lower	Upper
240	100		
120	5.7	5.0	7.6
236	27.6	20.3	30.5



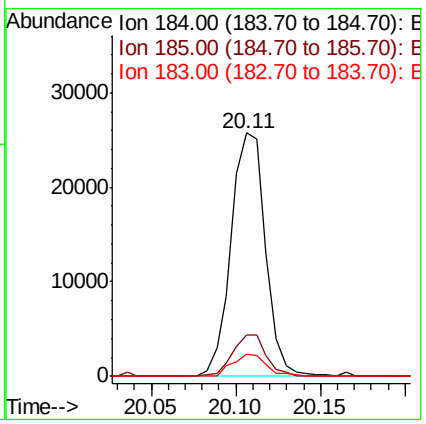


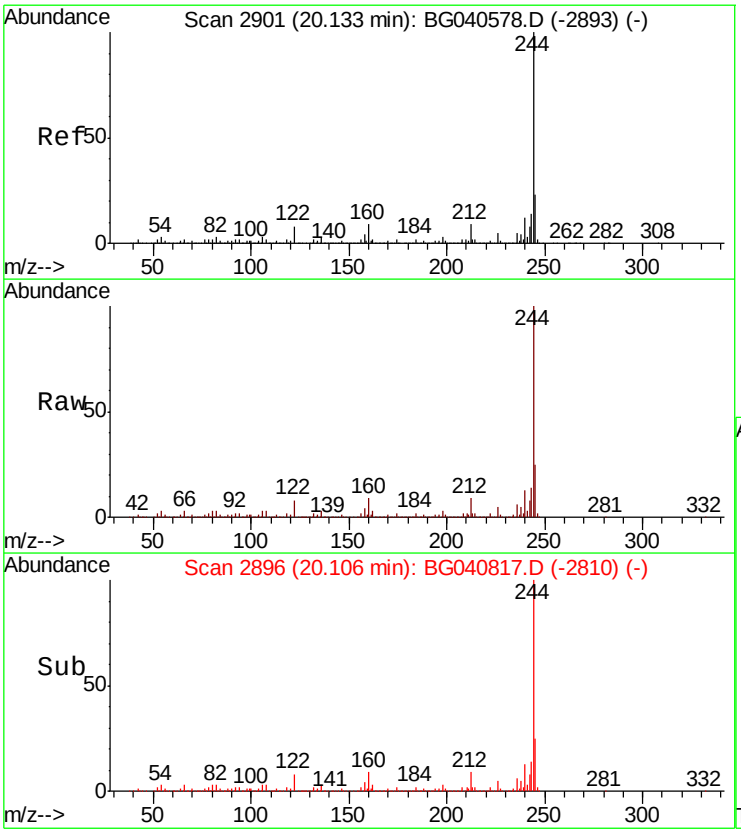
#77
Benzidine
Concen: 4.050 ng
RT: 20.11 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 36563

Ion	Ratio	Lower	Upper
184	100		
185	16.9	11.8	17.8
183	9.2	10.2	15.2#

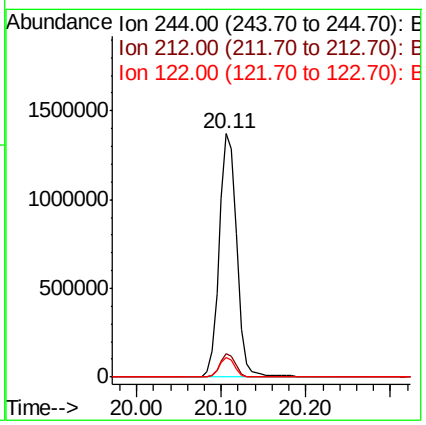


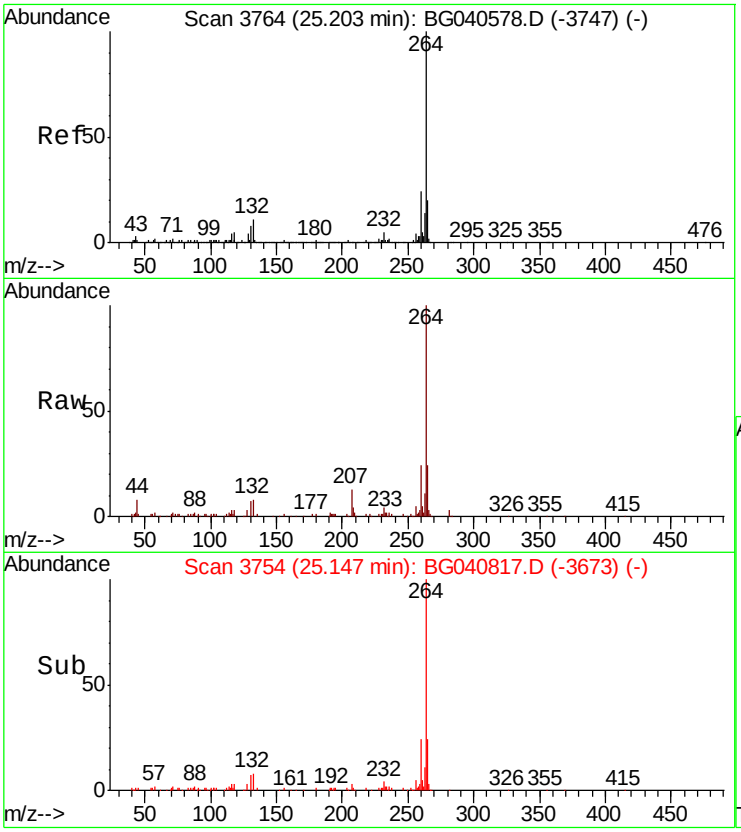


#79
Terphenyl-d14
Concen: 133.129 ng
RT: 20.11 min Scan# 2896
Delta R.T. -0.03 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Tgt Ion:244 Resp: 1981332

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	8.2	6.6	10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3754
Delta R.T. -0.06 min
Lab File: BG040817.D
Acq: 9 May 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 234385

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.6	16.6	25.0