Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\

Quantitation Report (Not Reviewed)

Data File : BG042263.D
Acq On : 16 Aug 2019 17:18
Operator : HP/JU
Sample : K4264-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : REACTOR-3-C1-C4-(0-2)

Quant Time: Aug 16 23:59:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	54769	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	207082	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	147065	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	355960	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	422589	20.00	ng	-0.03
87) Perylene-d12	24.97	264	487184	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	369770	131.36	ng	-0.02
7) Phenol-d6	7.18	99	443835	116.95	ng	-0.02
23) Nitrobenzene-d5	9.18	82	309863	102.97	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	322848	193.27	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	949704	113.90	ng	-0.03
79) Terphenyl-d14	20.04	244	1878954	101.74	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.14	88	14332	10.817	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	40107	14.557	ng	# 63
50) Dimethylphthalate	14.13	163	33927	3.378	ng	# 98
51) 2,6-Dinitrotoluene	14.67	165	19626	9.345	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	19626	6.795	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.17	198	575	7.135	ng	# 1
67) 4-Bromophenyl-phenylether	16.17	248	22832	5.207	ng	# 1

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

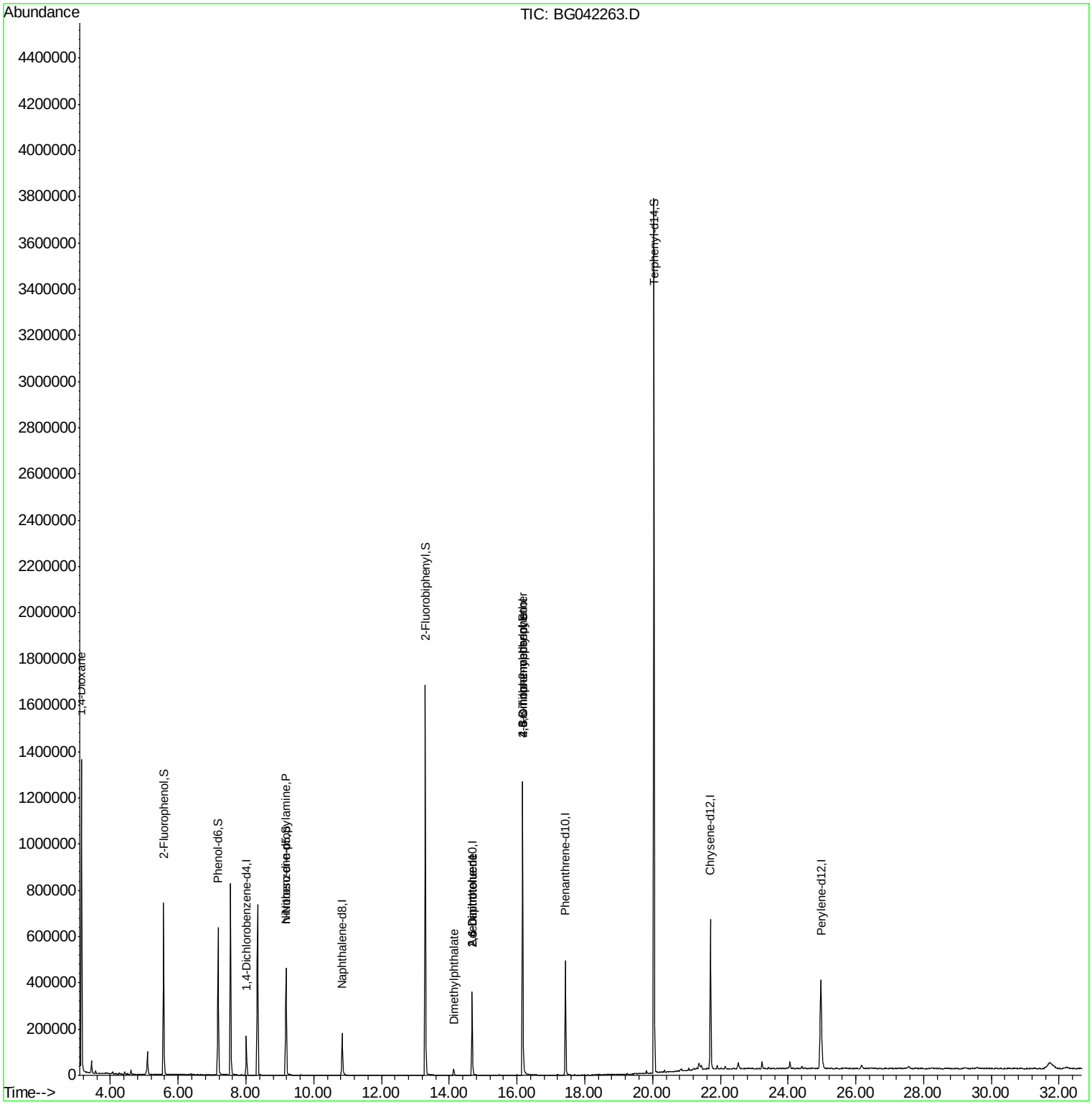
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\

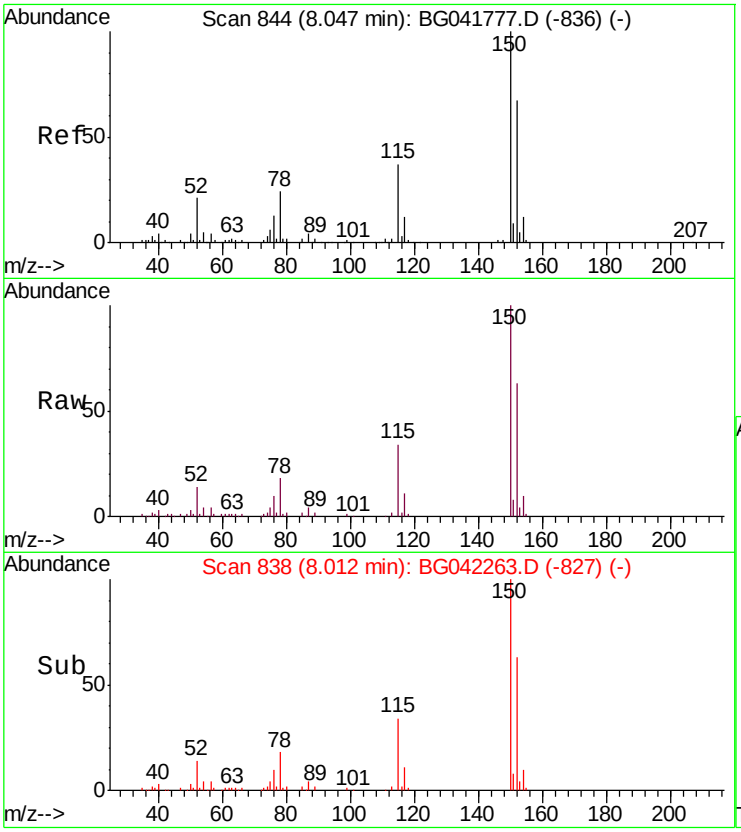
Quantitation Report (Not Reviewed)

Data File : BG042263.D
Acq On : 16 Aug 2019 17:18
Operator : HP/JU
Sample : K4264-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Quant Time: Aug 16 23:59:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration



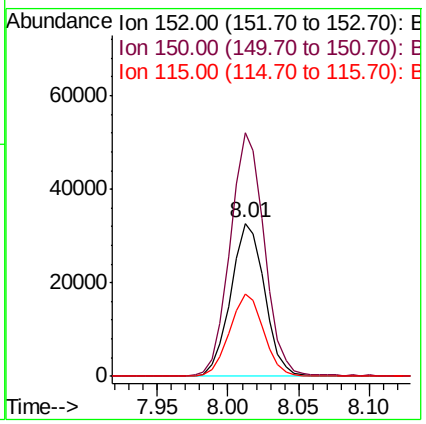


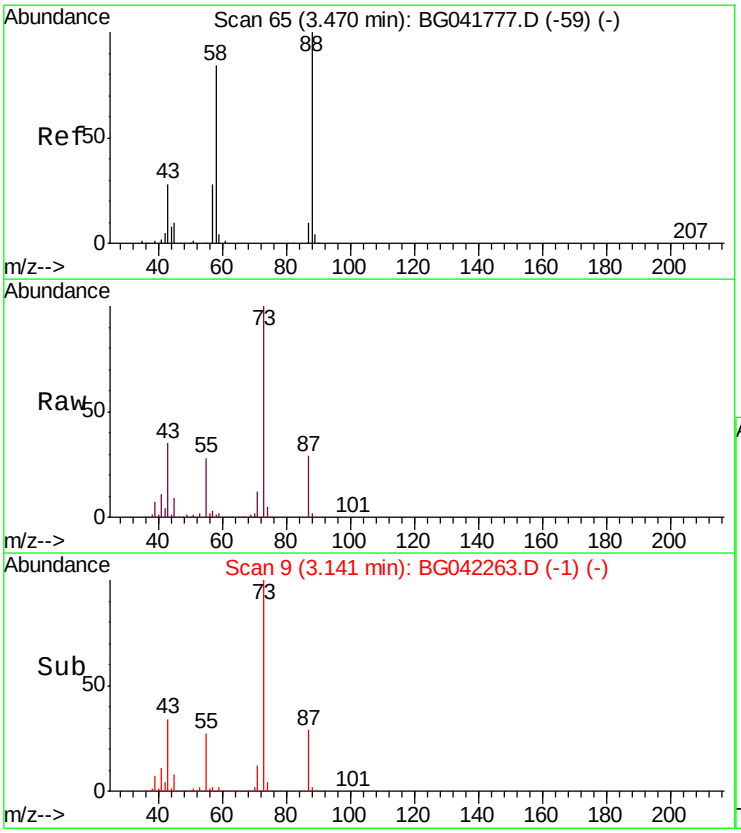
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:152 Resp: 54769

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.9	190.3
115	53.8	45.0	67.6

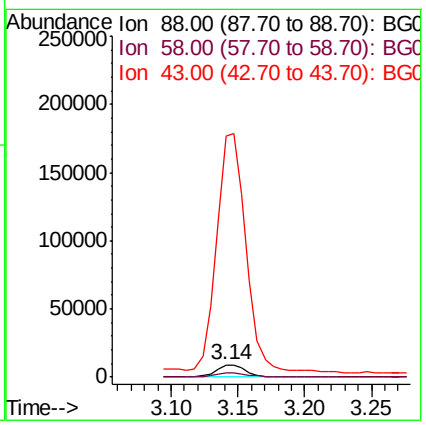


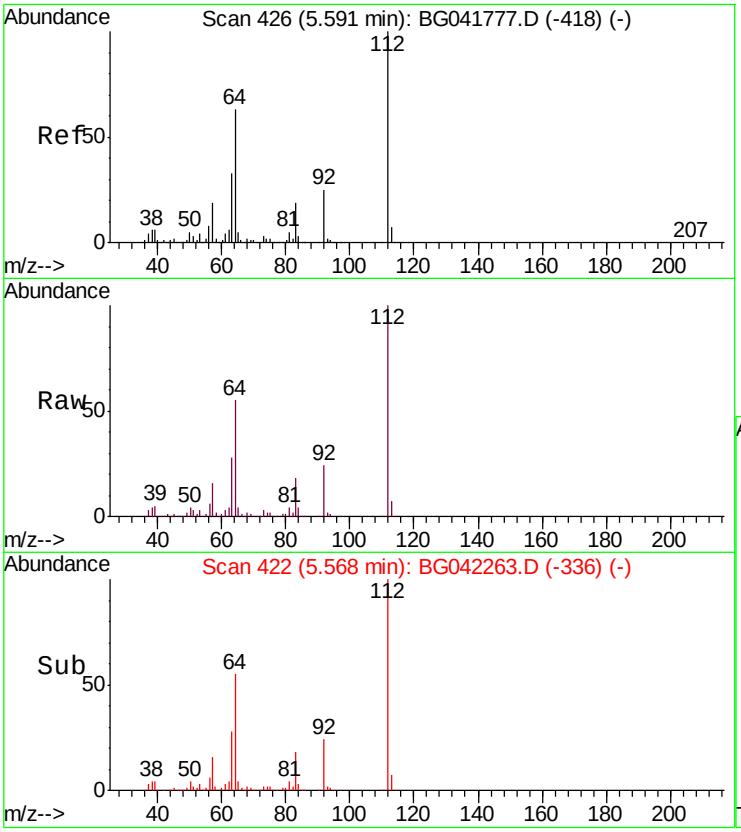


#2
1,4-Dioxane
Concen: 10.817 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion: 88 Resp: 14332

Ion	Ratio	Lower	Upper
88	100		
58	24.9	76.2	114.2#
43	1922.5	27.2	40.8#



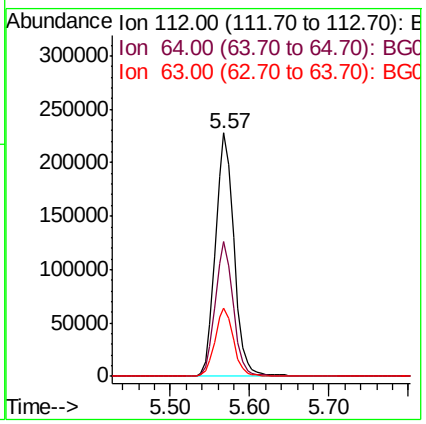


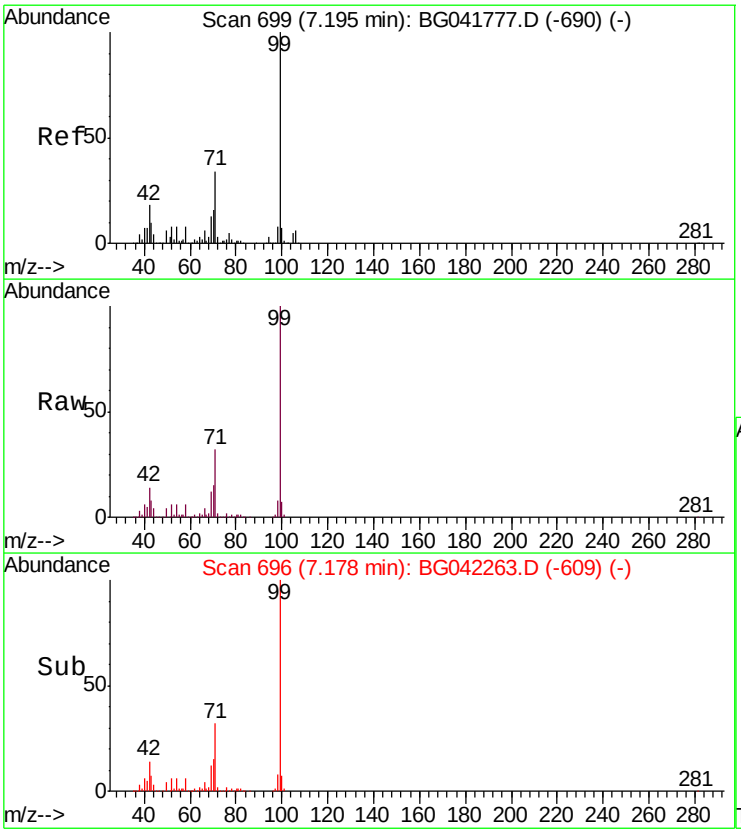
#5
2-Fluorophenol
Concen: 131.358 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:112 Resp: 369770

Ion	Ratio	Lower	Upper
112	100		
64	55.4	55.4	83.2#
63	28.1	29.1	43.7#

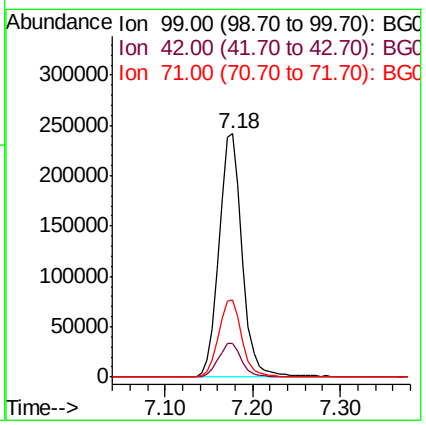


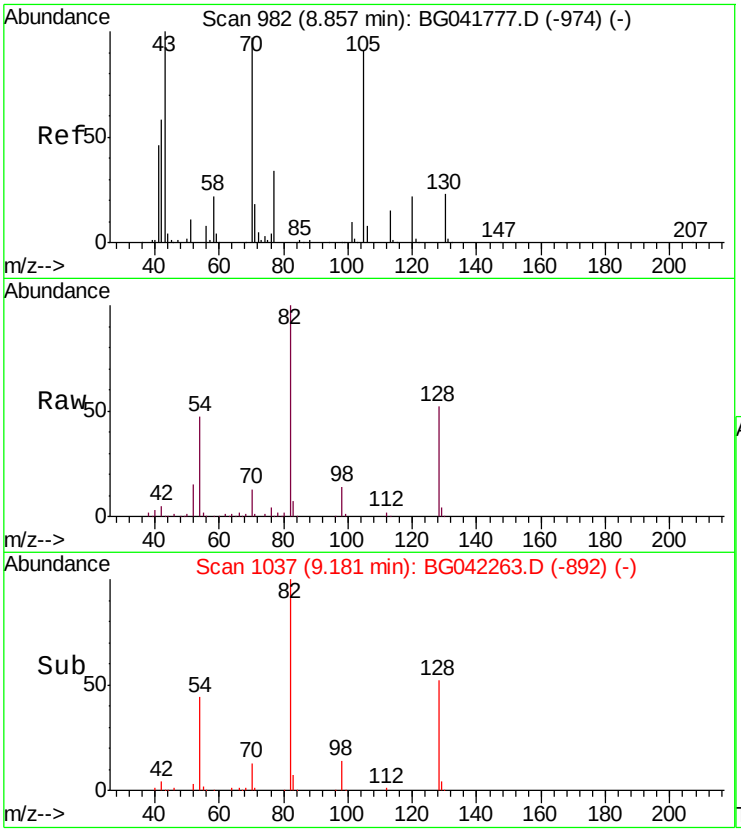


#7
Phenol-d6
Concen: 116.951 ng
RT: 7.18 min Scan# 696
Delta R.T. -0.02 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion: 99 Resp: 443835

Ion	Ratio	Lower	Upper
99	100		
42	13.8	17.6	26.4#
71	31.6	27.8	41.6



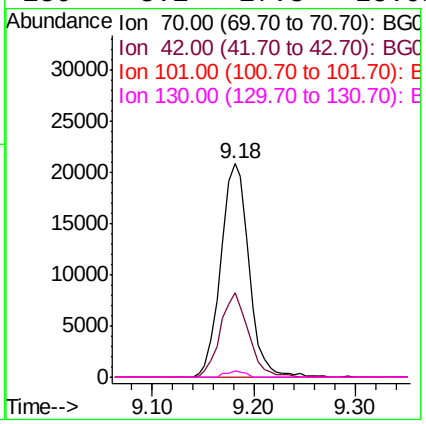


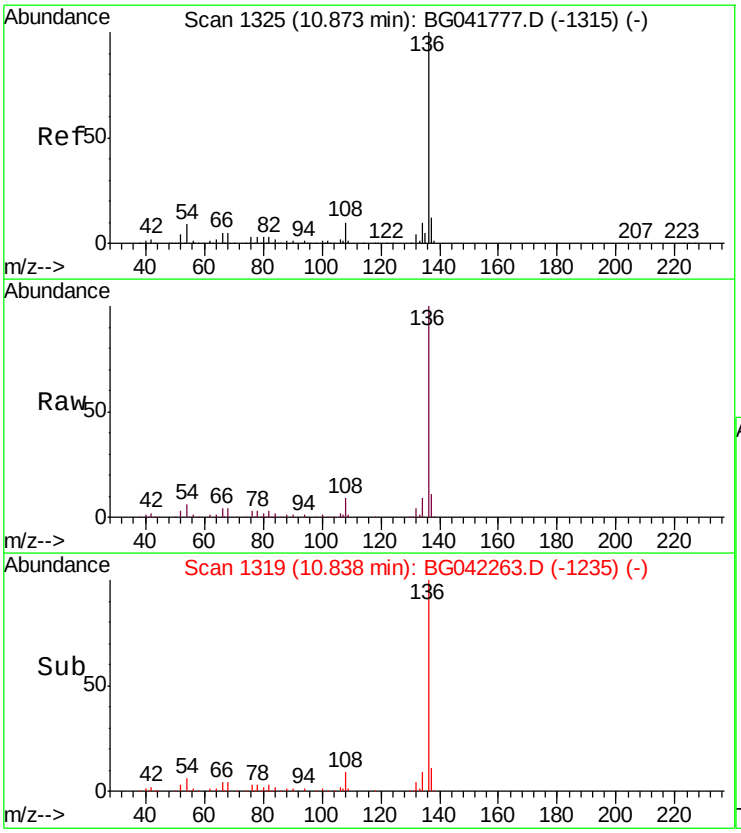
#19
n-Nitroso-di-n-propylamine
Concen: 14.557 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.32 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion: 70 Resp: 40107

Ion	Ratio	Lower	Upper
70	100		
42	39.3	55.8	83.6#
101	0.0	8.1	12.1#
130	3.1	17.3	25.9#

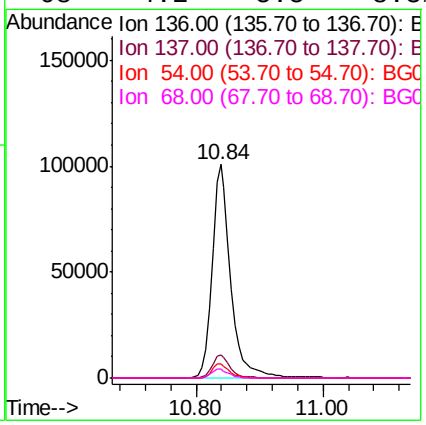


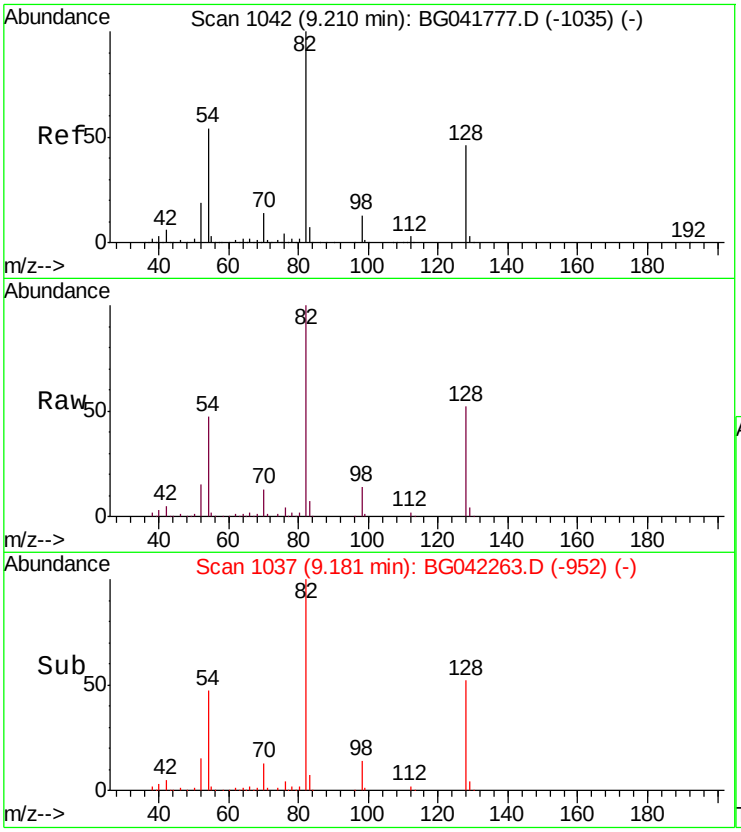


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:136 Resp: 207082

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	6.5	8.7	13.1#
68	4.2	5.5	8.3#



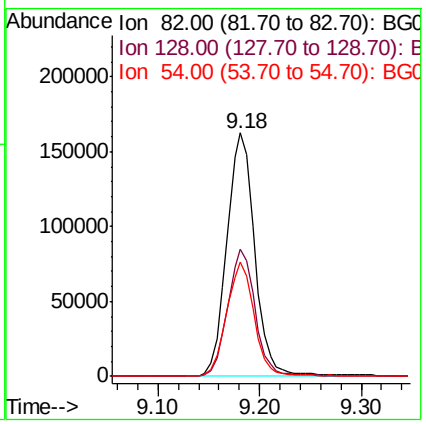


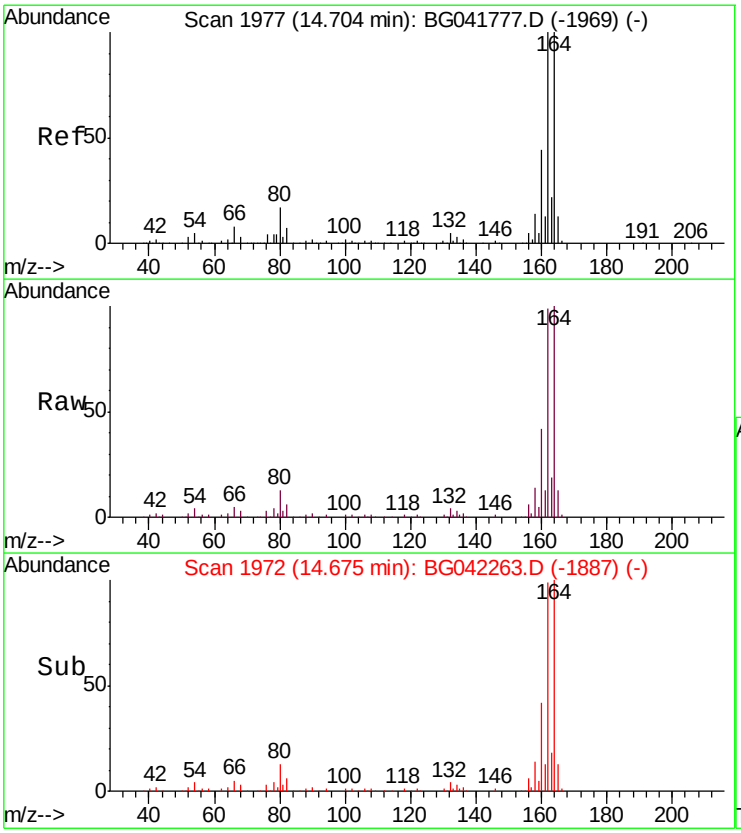
#23
Nitrobenzene-d5
Concen: 102.972 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion: 82 Resp: 309863

Ion	Ratio	Lower	Upper
82	100		
128	52.2	35.1	52.7
54	47.0	48.7	73.1#

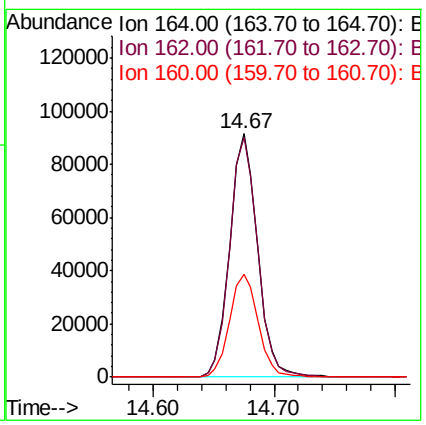


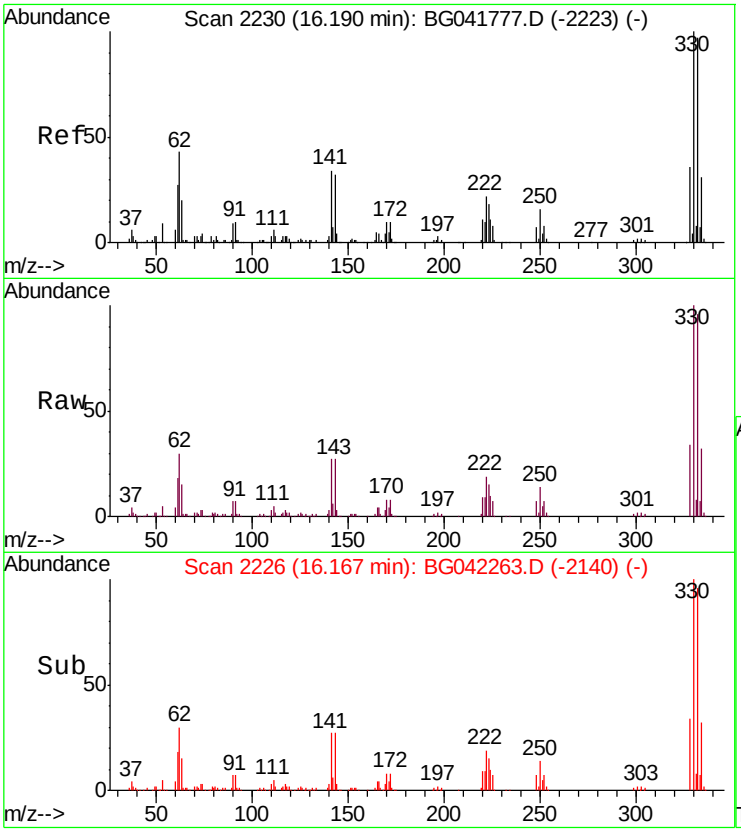


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:164 Resp: 147065

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.6	119.4
160	42.4	35.4	53.0



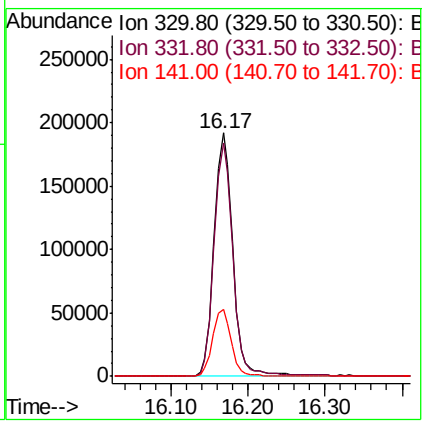


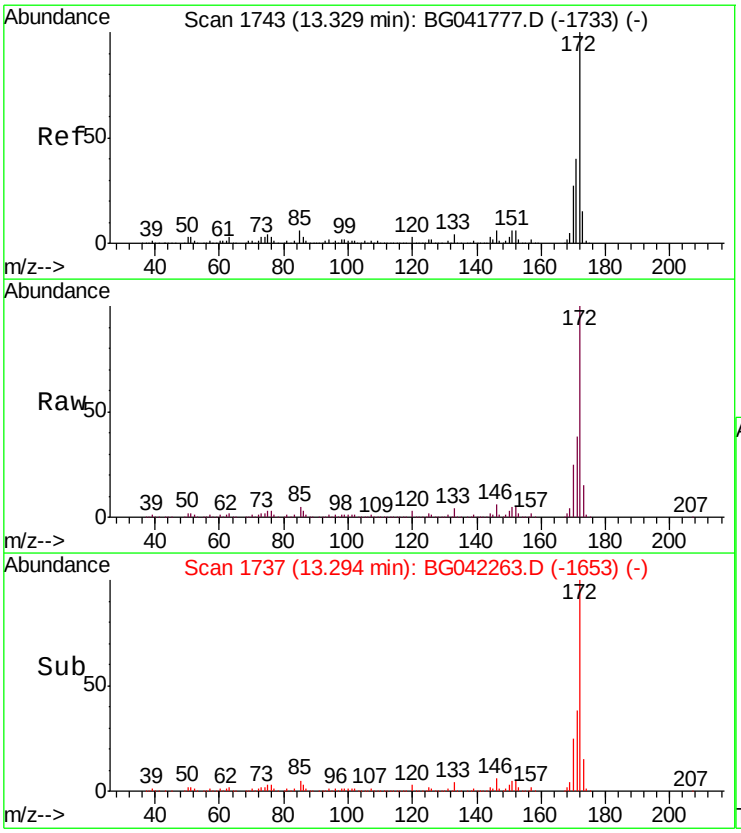
#42
2,4,6-Tribromophenol
Concen: 193.269 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:330 Resp: 322848

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	27.2	31.9	47.9#

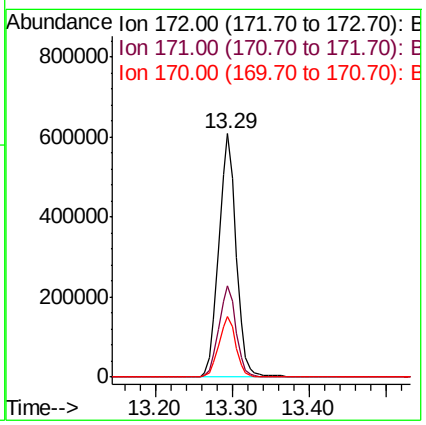


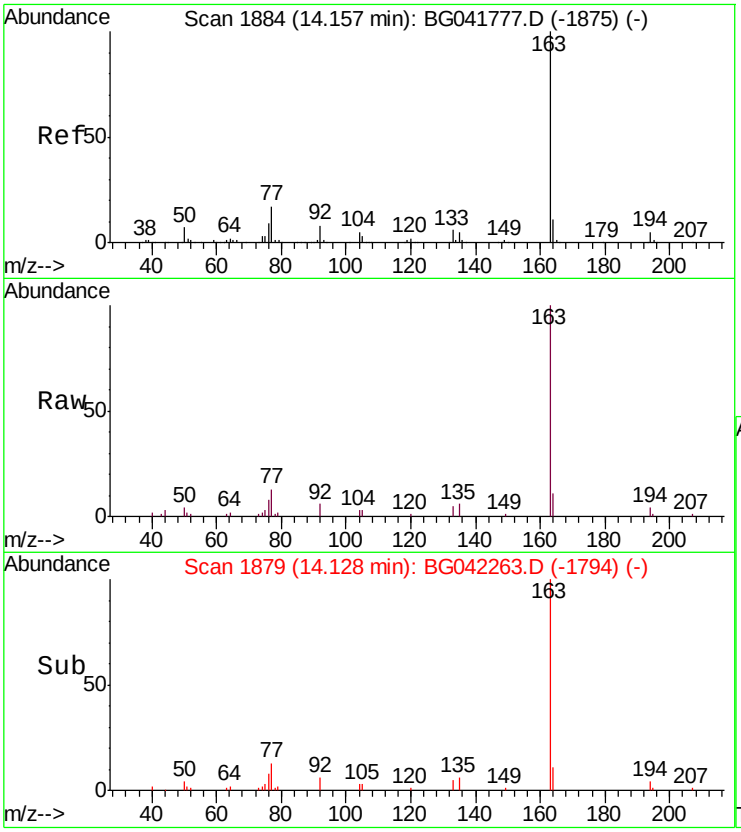


#45
2-Fluorobiphenyl
Concen: 113.896 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:172 Resp: 949704

Ion	Ratio	Lower	Upper
172	100		
171	37.6	35.0	52.4
170	24.9	23.5	35.3



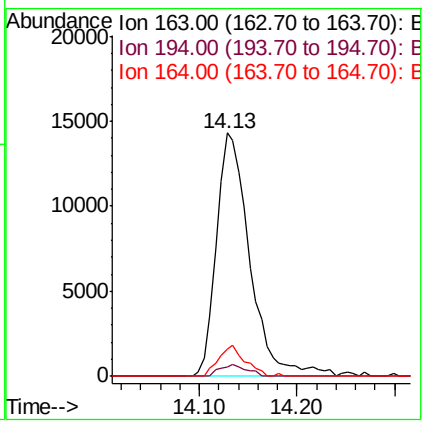


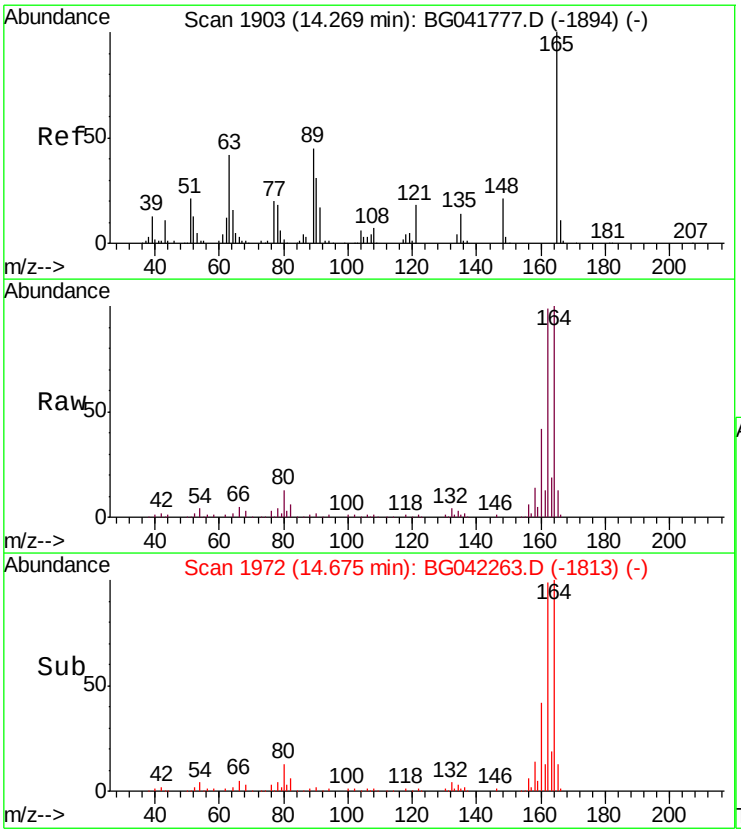
#50
Dimethylphthalate
Concen: 3.378 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:163 Resp: 33927

Ion	Ratio	Lower	Upper
163	100		
194	3.7	4.2	6.2#
164	11.3	9.4	14.2

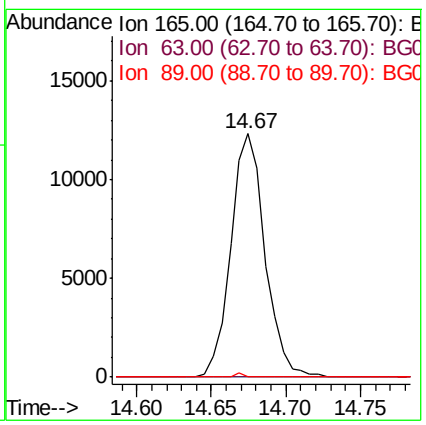


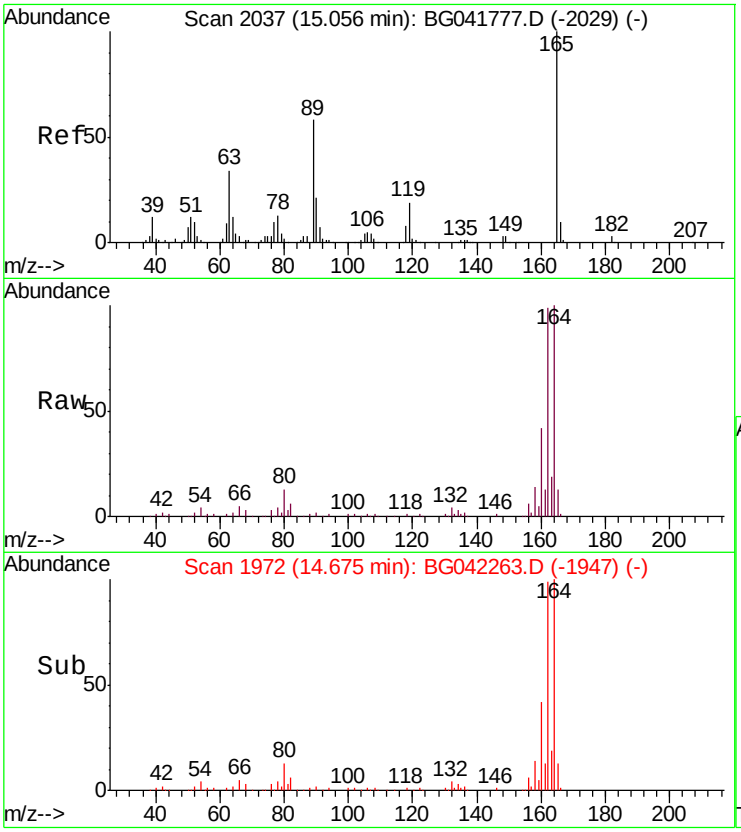


#51
2,6-Dinitrotoluene
Concen: 9.345 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.41 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:165 Resp: 19626

Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



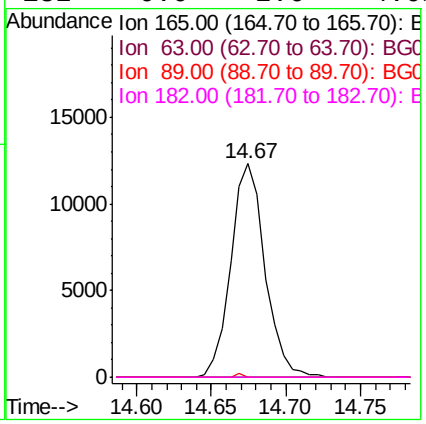


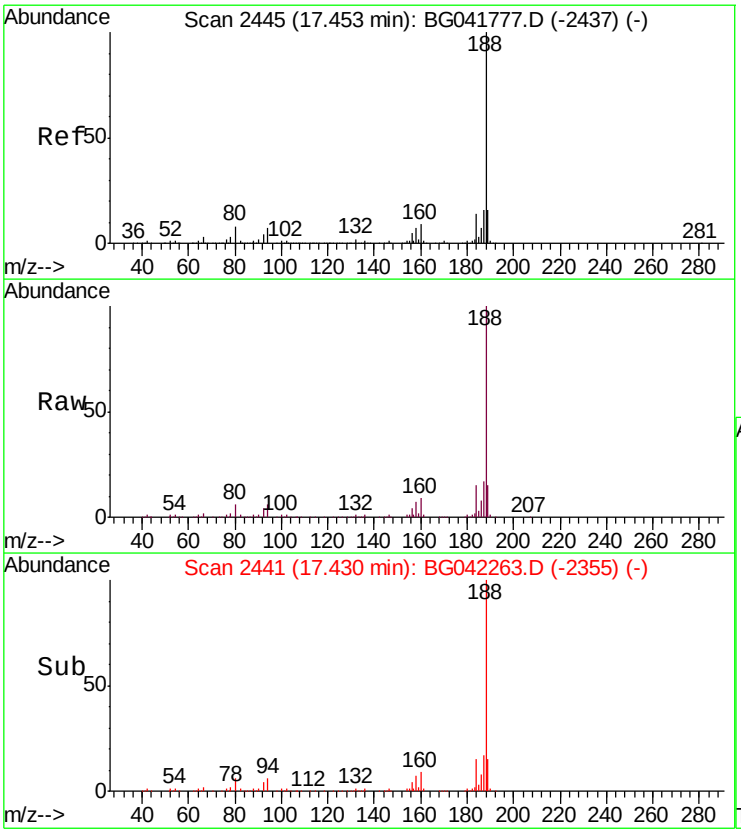
#57
2,4-Dinitrotoluene
Concen: 6.795 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.38 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:165 Resp: 19626

Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#

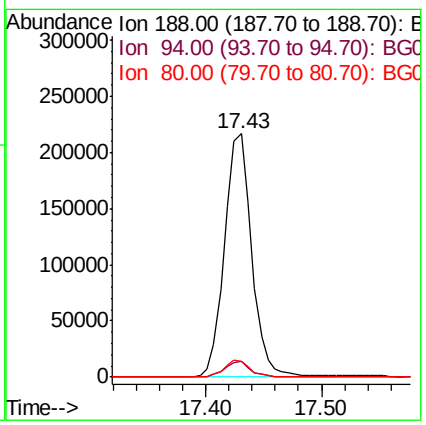


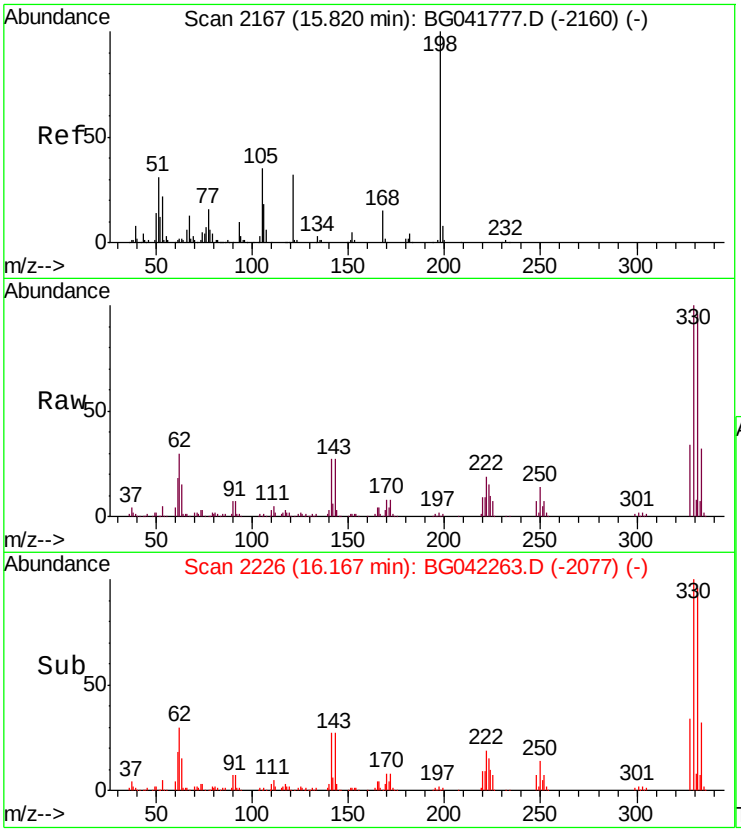


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:188 Resp: 355960

Ion	Ratio	Lower	Upper
188	100		
94	6.4	6.9	10.3#
80	6.3	8.0	12.0#



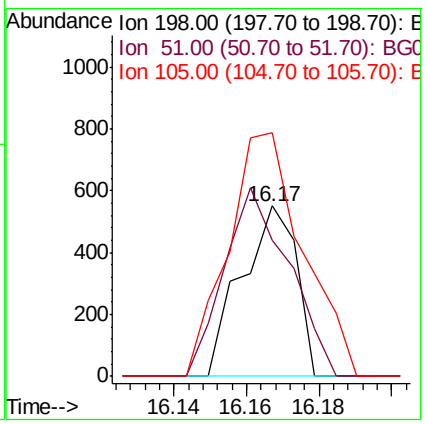


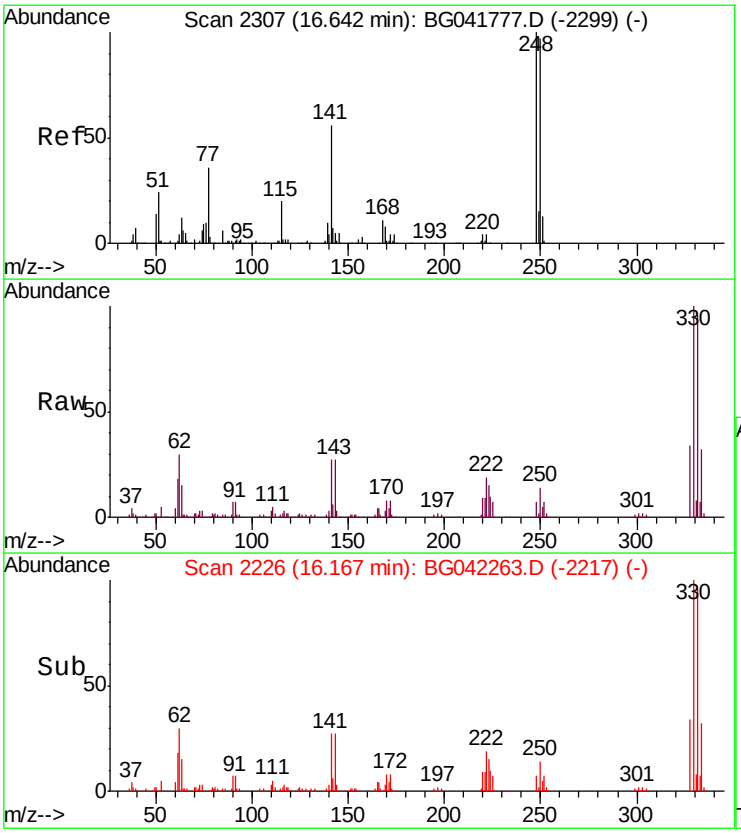
#65
4,6-Dinitro-2-methylphenol
Concen: 7.135 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.35 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:198 Resp: 575

Ion	Ratio	Lower	Upper
198	100		
51	80.0	22.3	62.3#
105	142.8	18.0	58.0#

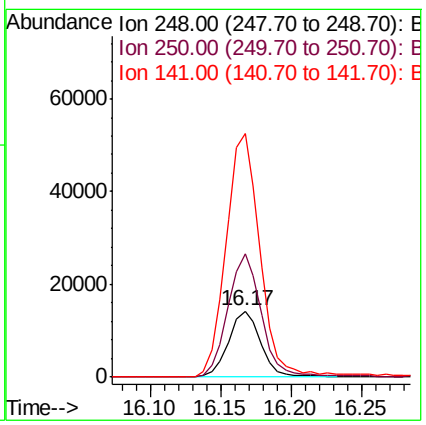


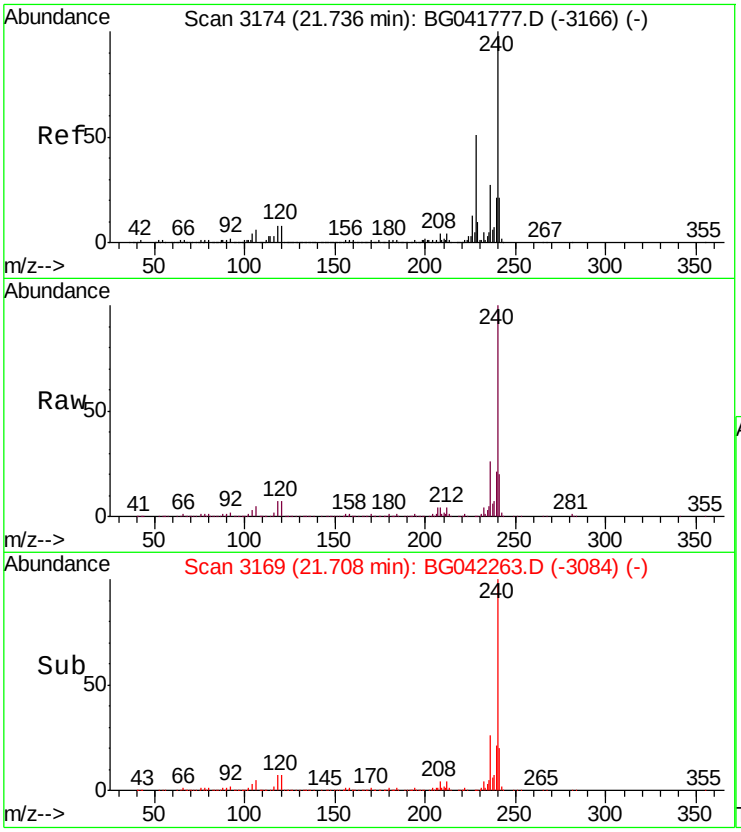


#67
4-Bromophenyl-phenylether
Concen: 5.207 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.48 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:248 Resp: 22832

Ion	Ratio	Lower	Upper
248	100		
250	186.8	78.1	117.1#
141	367.6	49.6	74.4#



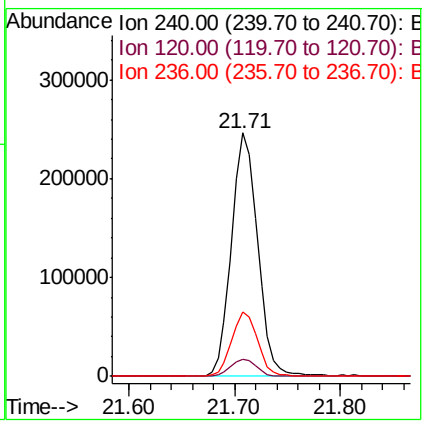


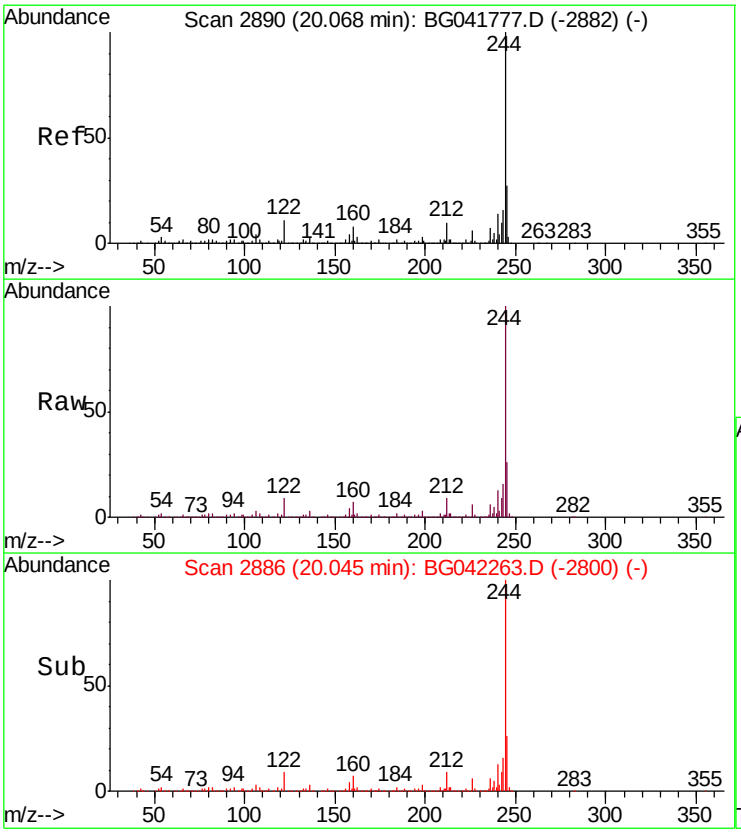
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.03 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:240 Resp: 422589

Ion	Ratio	Lower	Upper
240	100		
120	7.3	8.0	12.0#
236	26.3	22.6	33.8

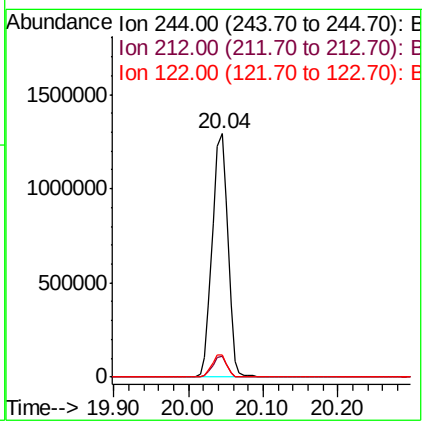


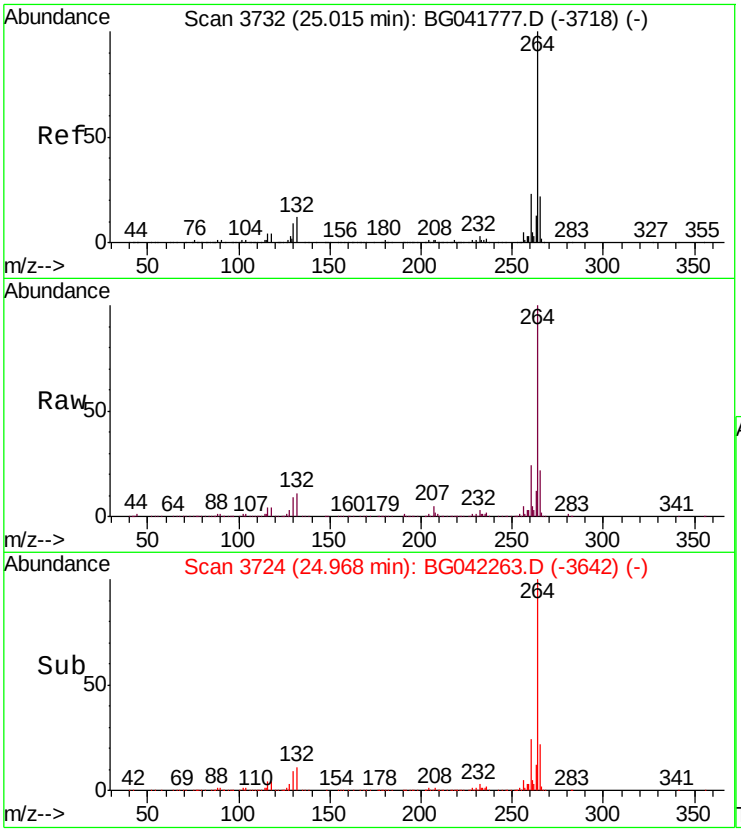


#79
Terphenyl-d14
Concen: 101.743 ng
RT: 20.04 min Scan# 2886
Delta R.T. -0.02 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Tgt Ion:244 Resp: 1878954

Ion	Ratio	Lower	Upper
244	100		
212	8.7	9.7	14.5#
122	9.3	12.5	18.7#





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.97 min Scan# 3724
Delta R.T. -0.05 min
Lab File: BG042263.D
Acq: 16 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(0-2)

Tgt Ion:264 Resp: 487184

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	18.0	27.0