Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040888.D
Acq On : 12 May 2019 00:17
Operator : HP/JU
Sample : K2769-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RB-190506

Quant Time: May 12 05:01:50 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	8.13	152	50756	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	203805	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	147848	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	421949	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	437008	20.00	ng	-0.04
87) Perylene-d12	25.14	264	461296	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	190329	66.10	ng	-0.02
7) Phenol-d6	7.27	99	172210	38.84	ng	-0.03
23) Nitrobenzene-d5	9.31	82	421761	95.62	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	355113	174.74	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	992321	96.93	ng	-0.03
79) Terphenyl-d14	20.10	244	1905590	96.60	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.27	77	405	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.31	70	60403	15.135	ng	# 72
51) 2,6-Dinitrotoluene	14.76	165	19383	8.029	ng	# 13
57) 2,4-Dinitrotoluene	14.76	165	19383	5.908	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.25	198	977	7.502	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	27579	5.246	ng	# 1
77) Benzidine	20.10	184	35473	2.965	ng	# 94

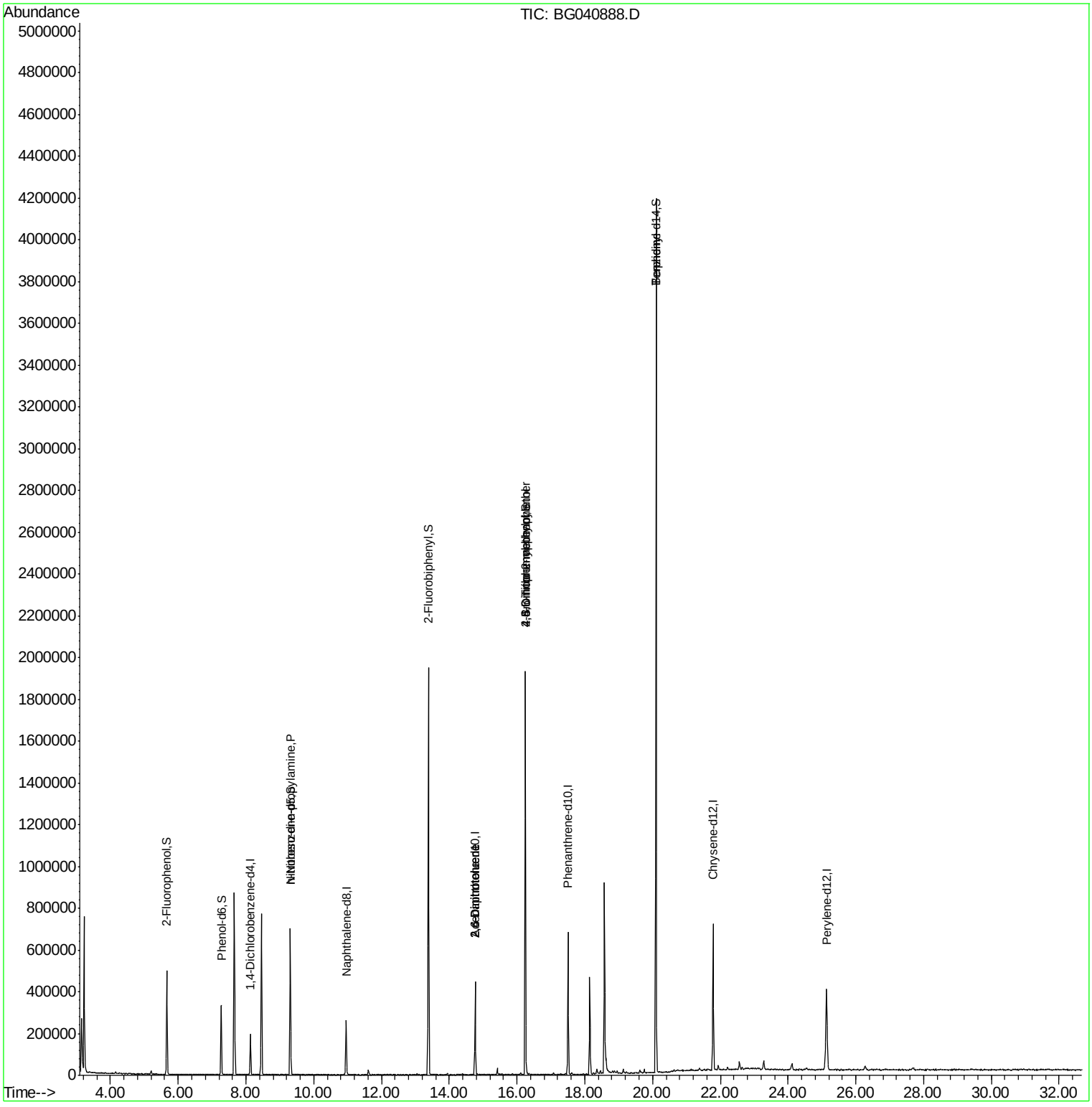
(#) = qualifier out of range (m) = manual integration (+) = signals summed

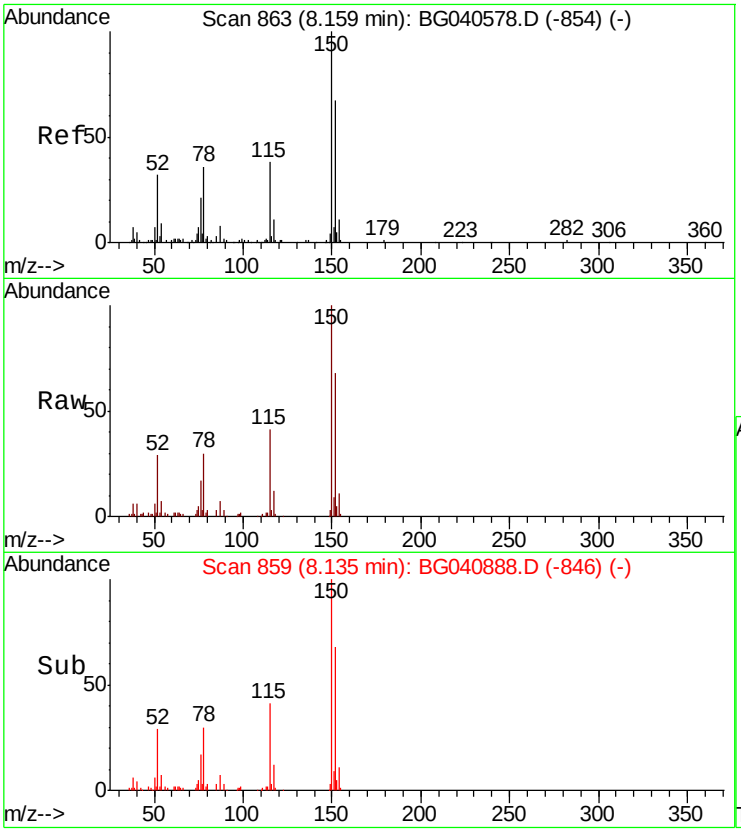
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040888.D
Acq On : 12 May 2019 00:17
Operator : HP/JU
Sample : K2769-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-190506

Quant Time: May 12 05:01:50 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



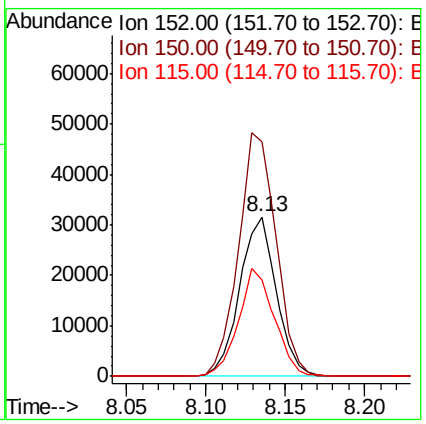


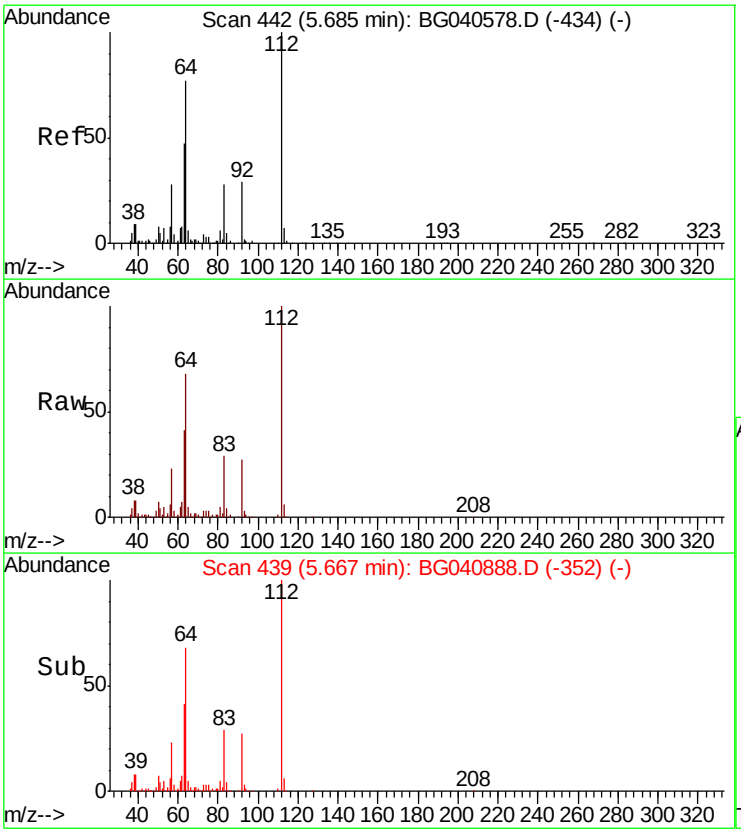
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:152 Resp: 50756

Ion	Ratio	Lower	Upper
152	100		
150	147.6	120.2	180.2
115	60.9	46.2	69.2

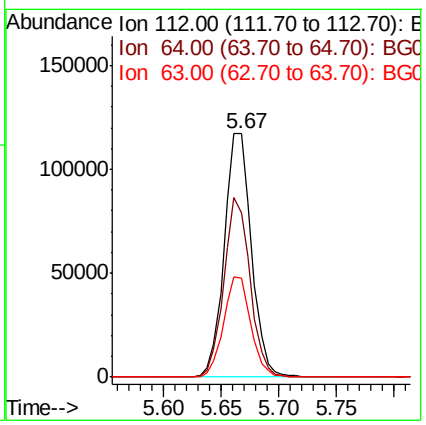


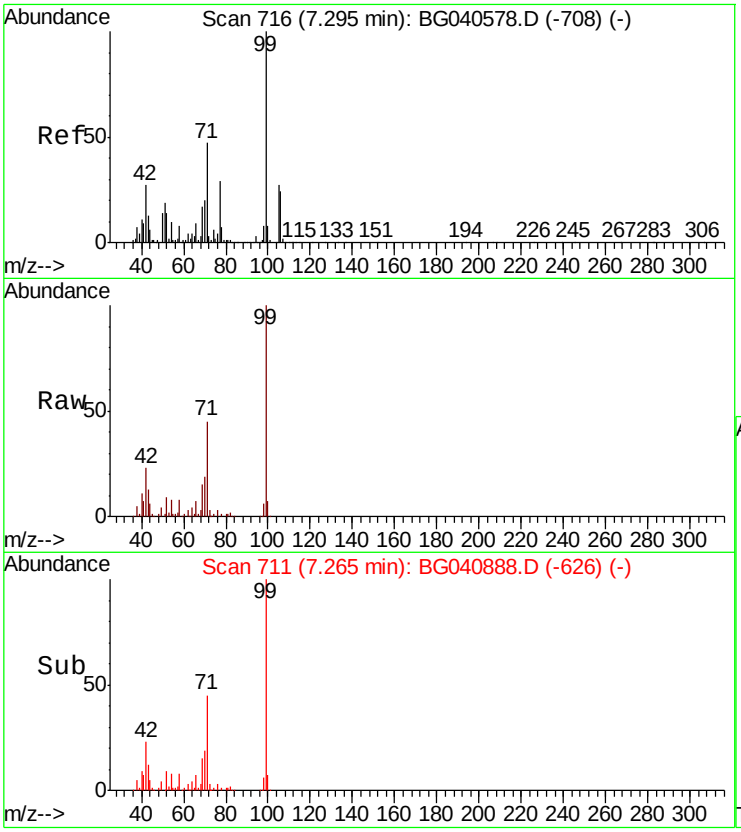


#5
2-Fluorophenol
Concen: 66.102 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:112 Resp: 190329

Ion	Ratio	Lower	Upper
112	100		
64	67.5	61.4	92.0
63	40.9	37.8	56.6



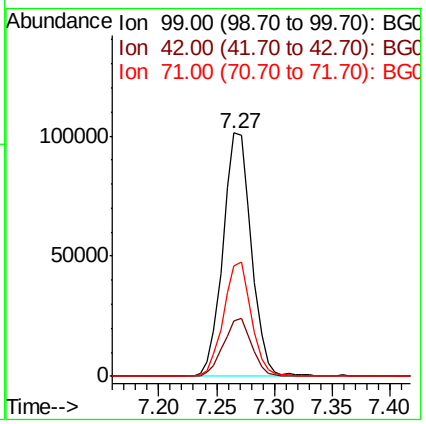


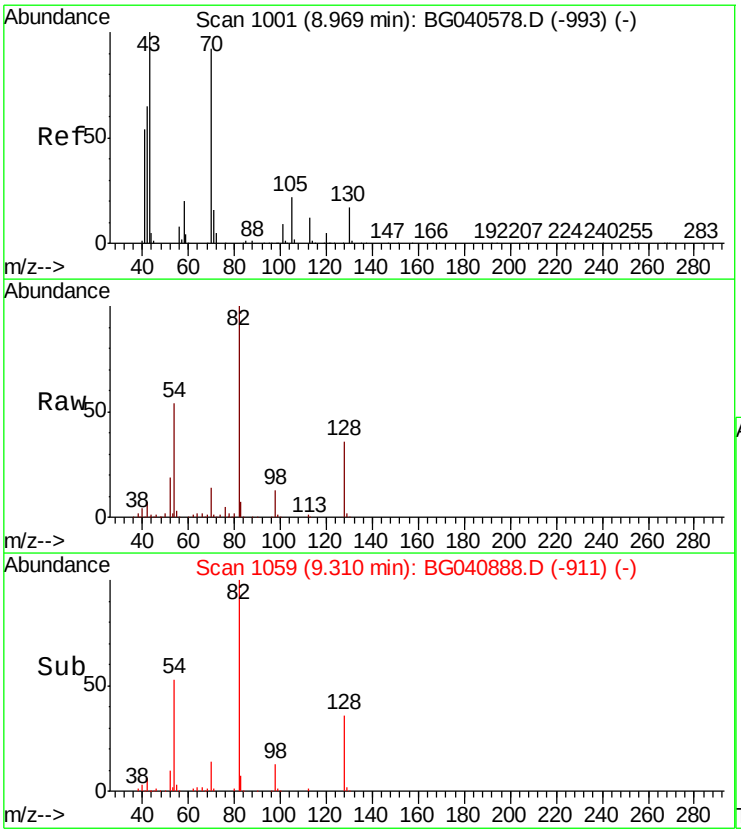
#7
Phenol-d6
Concen: 38.844 ng
RT: 7.27 min Scan# 711
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion: 99 Resp: 172210

Ion	Ratio	Lower	Upper
99	100		
42	22.7	21.8	32.8
71	45.1	38.6	57.8

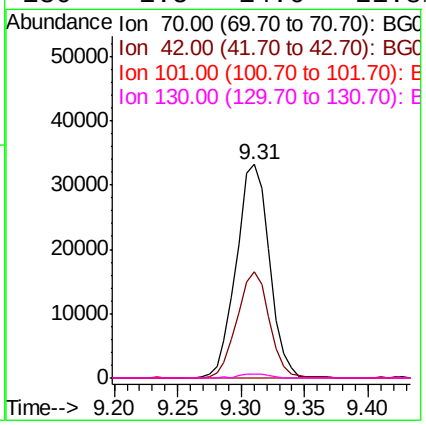


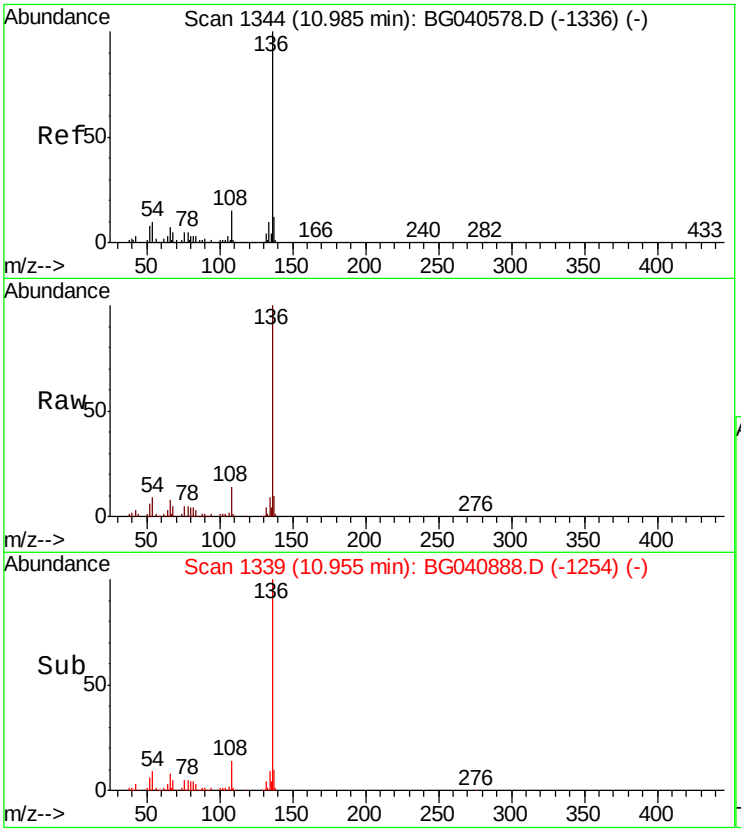


#19
n-Nitroso-di-n-propylamine
Concen: 15.135 ng
RT: 9.31 min Scan# 1059
Delta R.T. 0.34 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion: 70 Resp: 60403

Ion	Ratio	Lower	Upper
70	100		
42	49.8	57.1	85.7#
101	0.0	7.8	11.8#
130	1.5	14.6	21.8#



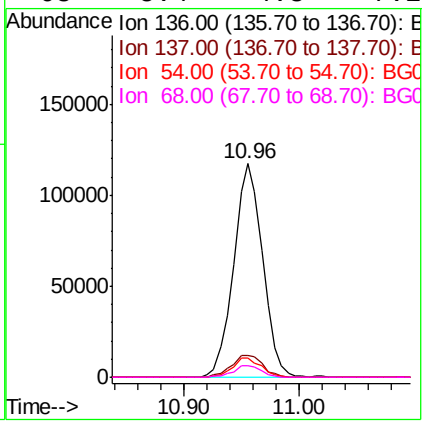


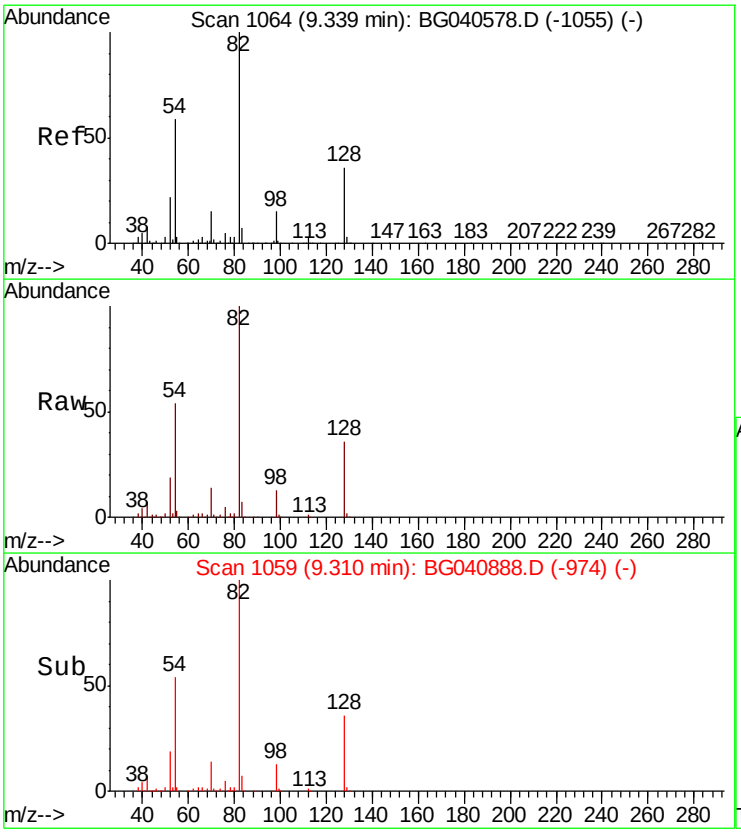
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:136 Resp: 203805

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.7	14.5
54	9.1	8.6	12.8
68	5.4	4.8	7.2

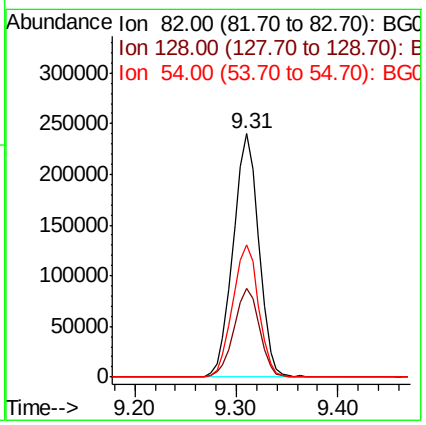


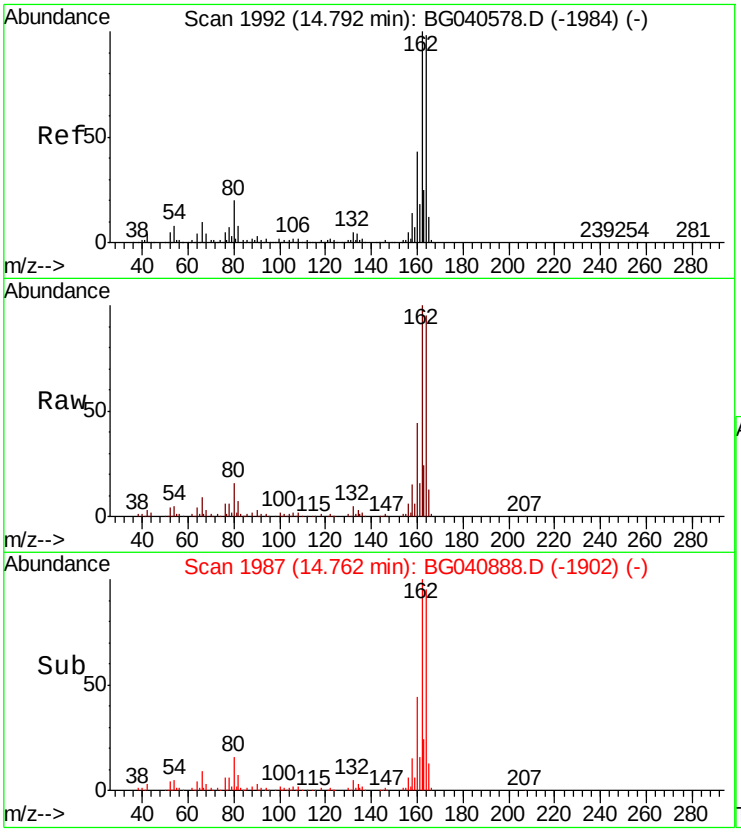


#23
Nitrobenzene-d5
Concen: 95.621 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion: 82 Resp: 421761

Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	54.5	47.2	70.8



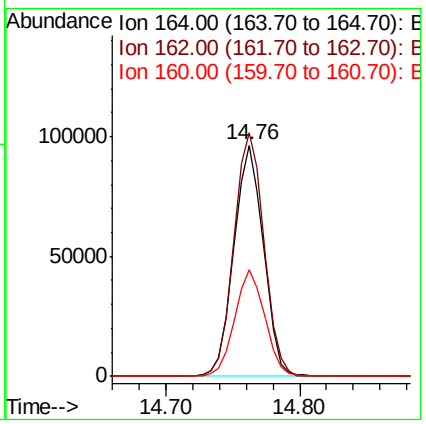


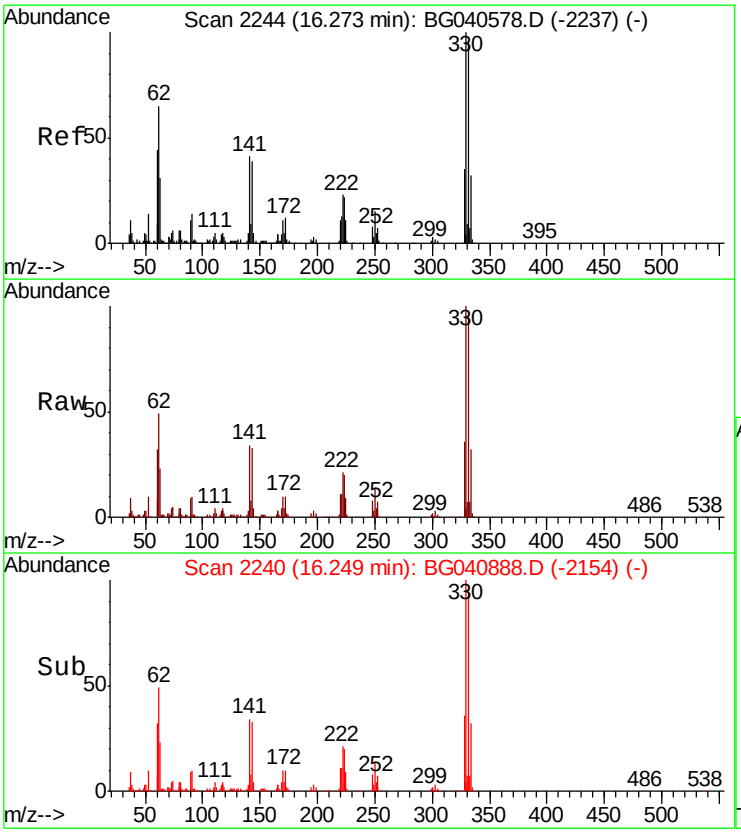
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:164 Resp: 147848

Ion	Ratio	Lower	Upper
164	100		
162	105.3	81.9	122.9
160	46.1	35.4	53.2

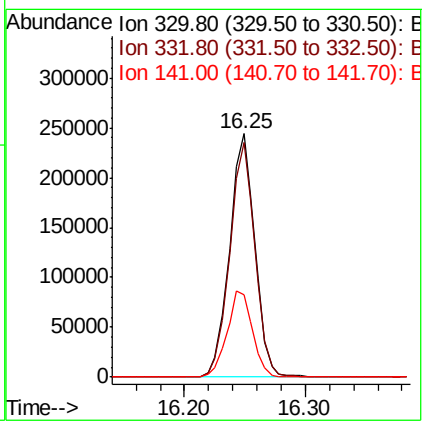


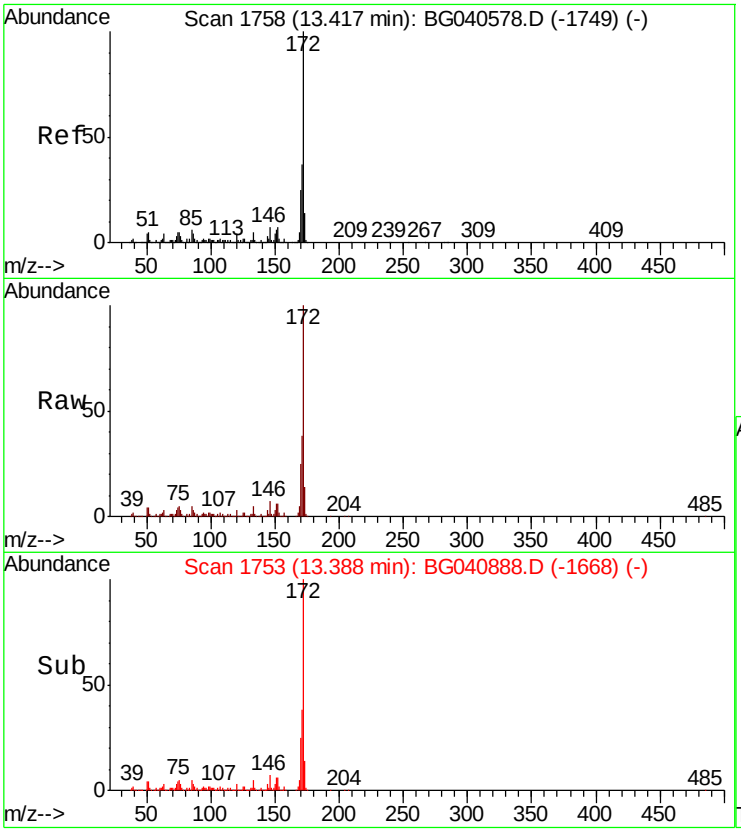


#42
2,4,6-Tribromophenol
Concen: 174.743 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.02 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:330 Resp: 355113

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	35.6	32.4	48.6



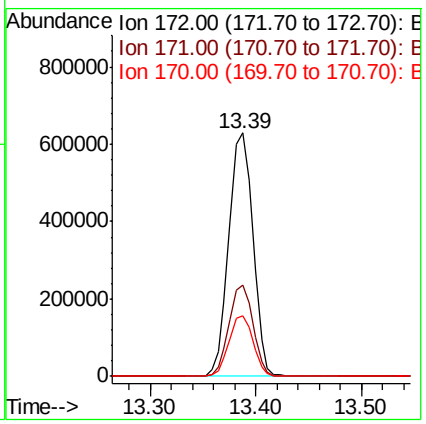


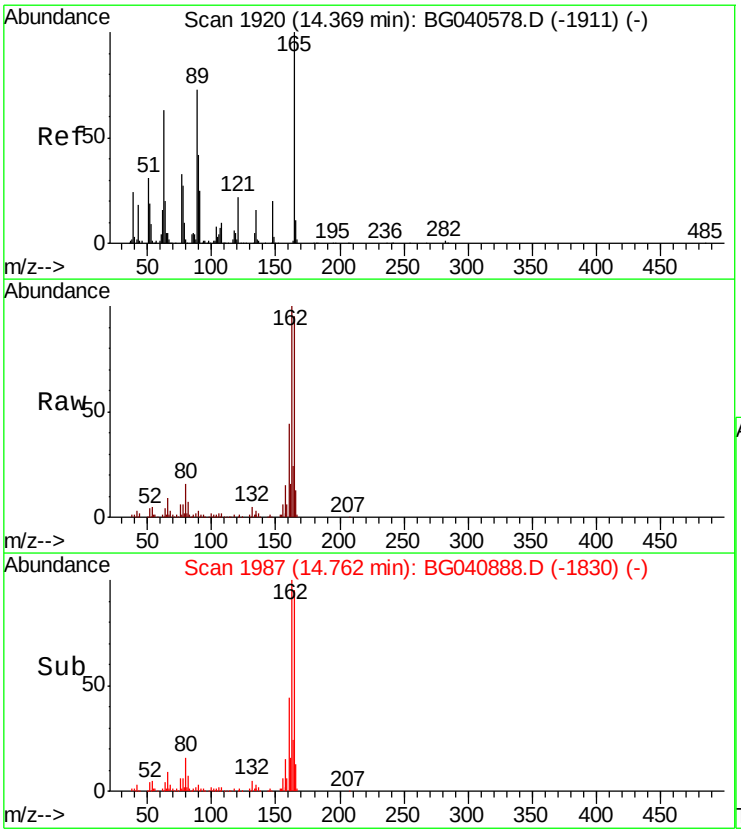
#45
2-Fluorobiphenyl
Concen: 96.931 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:172 Resp: 992321

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	24.9	19.9	29.9

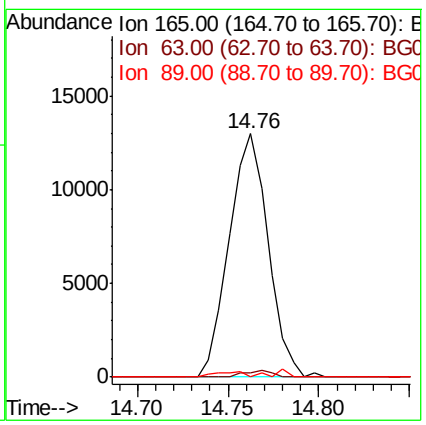


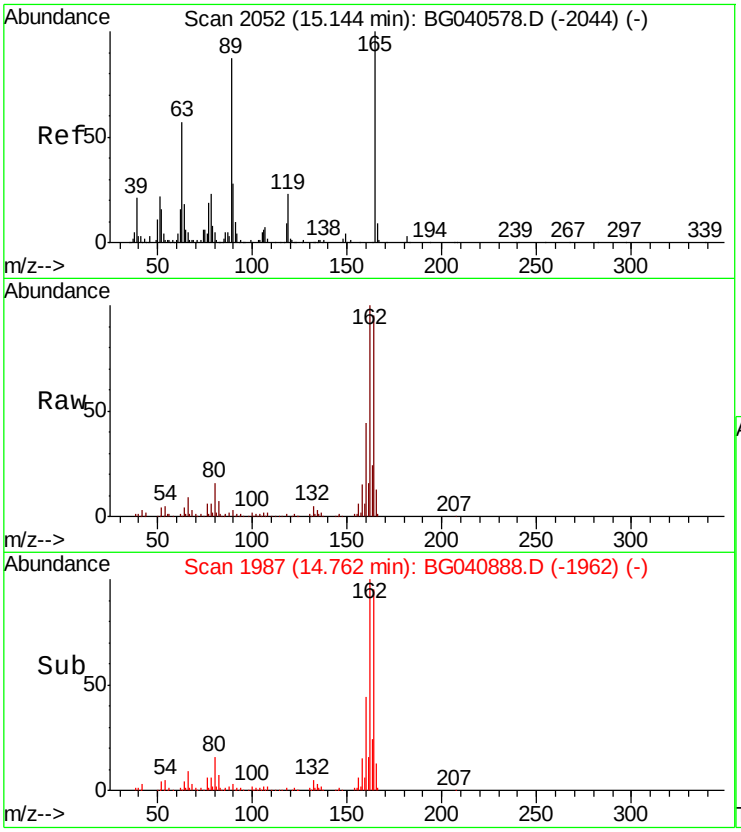


#51
2,6-Dinitrotoluene
Concen: 8.029 ng
RT: 14.76 min Scan# 1987
Delta R.T. 0.39 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:165 Resp: 19383

Ion	Ratio	Lower	Upper
165	100		
63	1.6	61.0	91.4#
89	0.0	58.6	87.8#



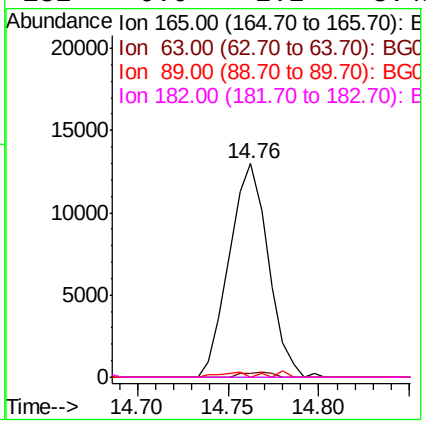


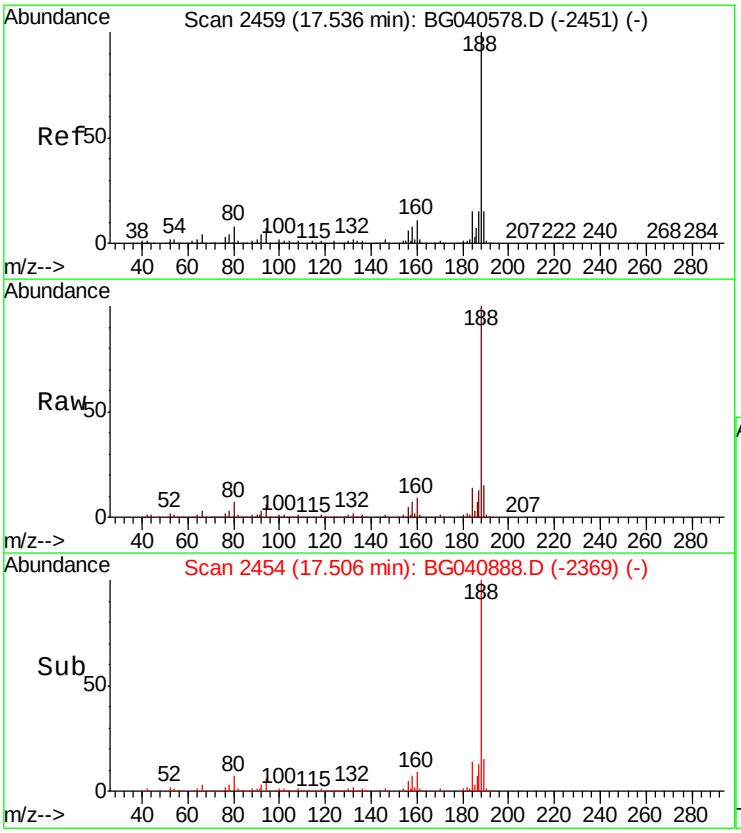
#57
2,4-Dinitrotoluene
Concen: 5.908 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:165 Resp: 19383

Ion	Ratio	Lower	Upper
165	100		
63	1.6	45.8	68.8#
89	0.0	69.4	104.2#
182	0.0	2.2	3.4#

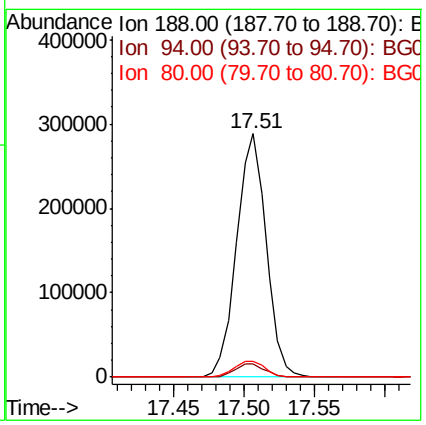


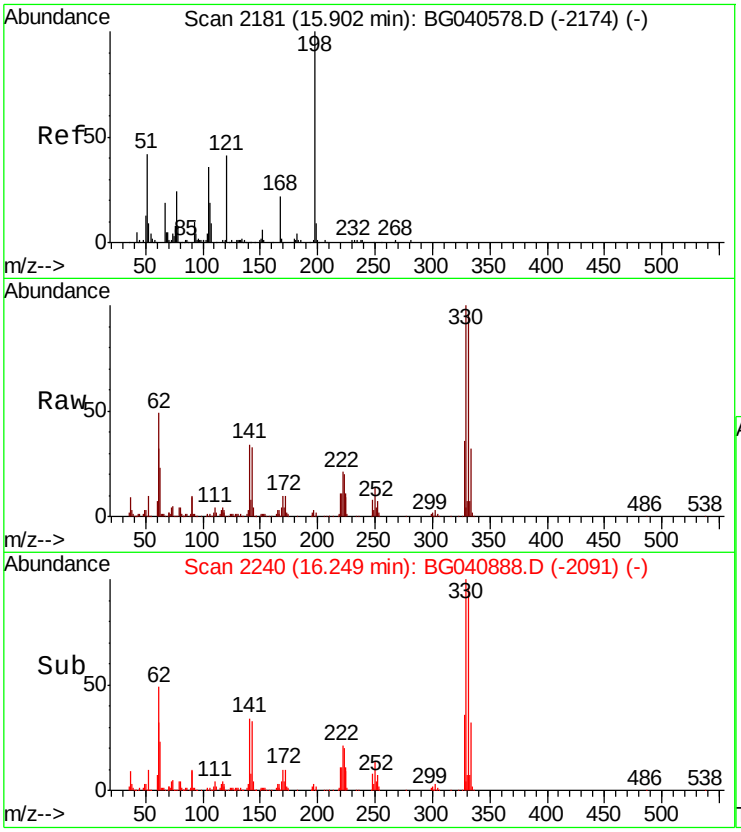


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:188 Resp: 421949

Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.6	8.4
80	6.5	6.4	9.6



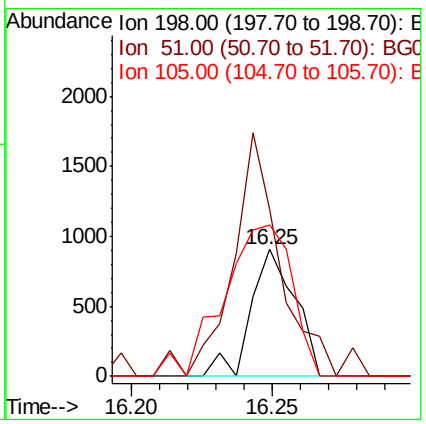


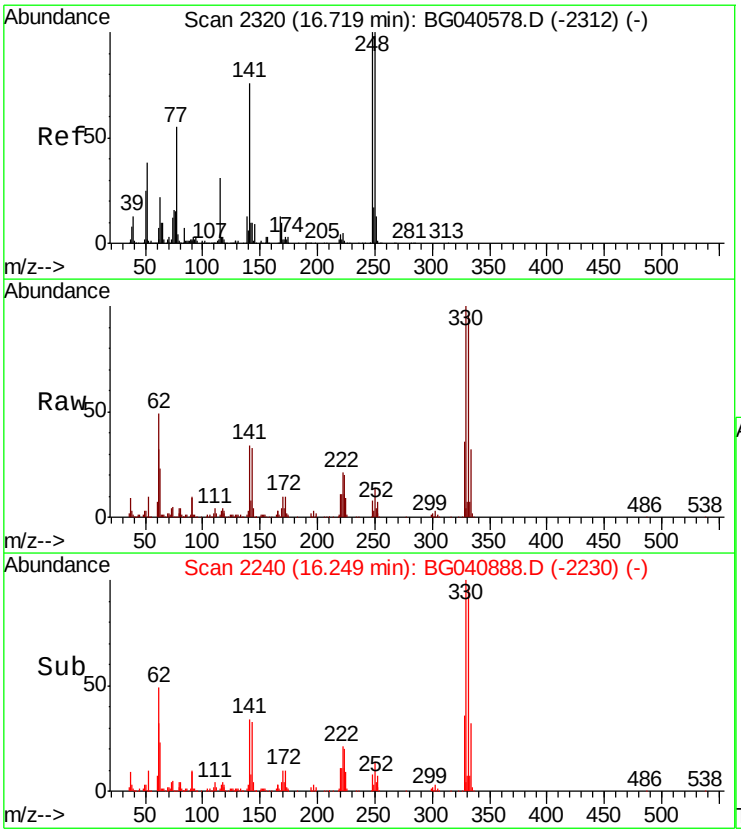
#65
4,6-Dinitro-2-methylphenol
Concen: 7.502 ng
RT: 16.25 min Scan# 2240
Delta R.T. 0.35 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:198 Resp: 977

Ion	Ratio	Lower	Upper
198	100		
51	131.7	35.9	75.9#
105	118.7	21.2	61.2#

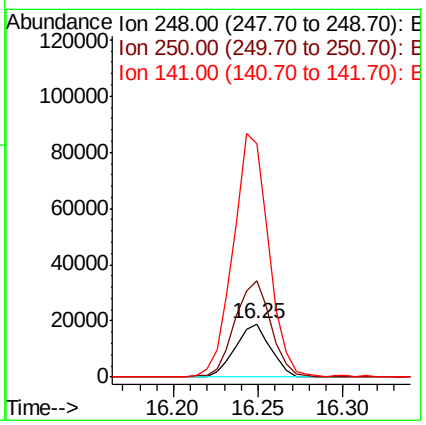


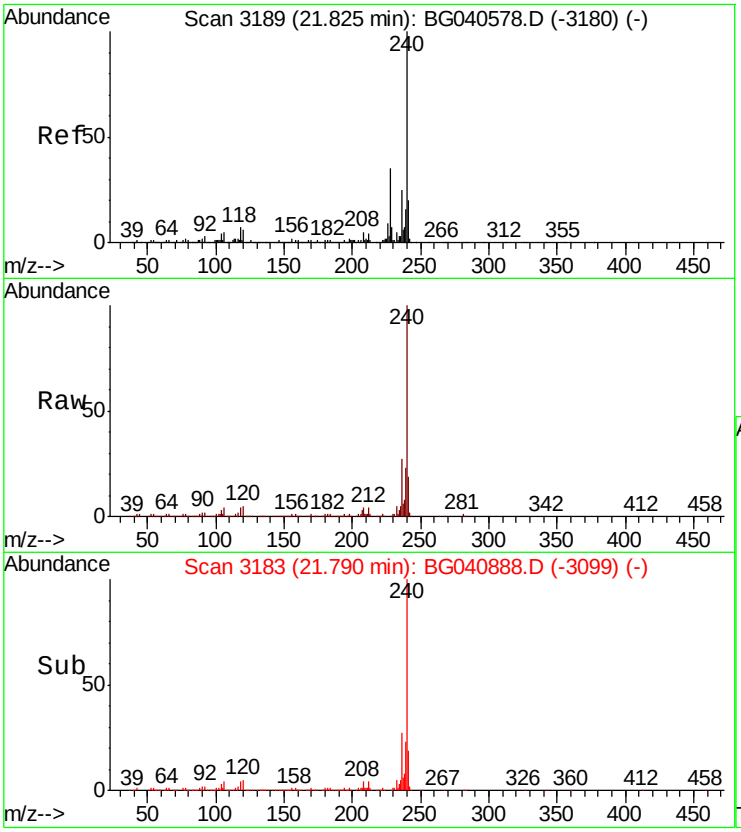


#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.47 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:248 Resp: 27579

Ion	Ratio	Lower	Upper
248	100		
250	181.4	79.8	119.6#
141	438.8	60.8	91.2#



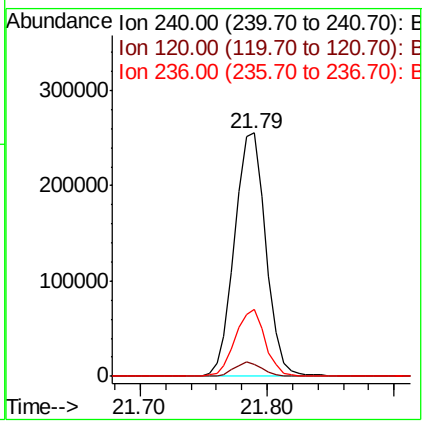


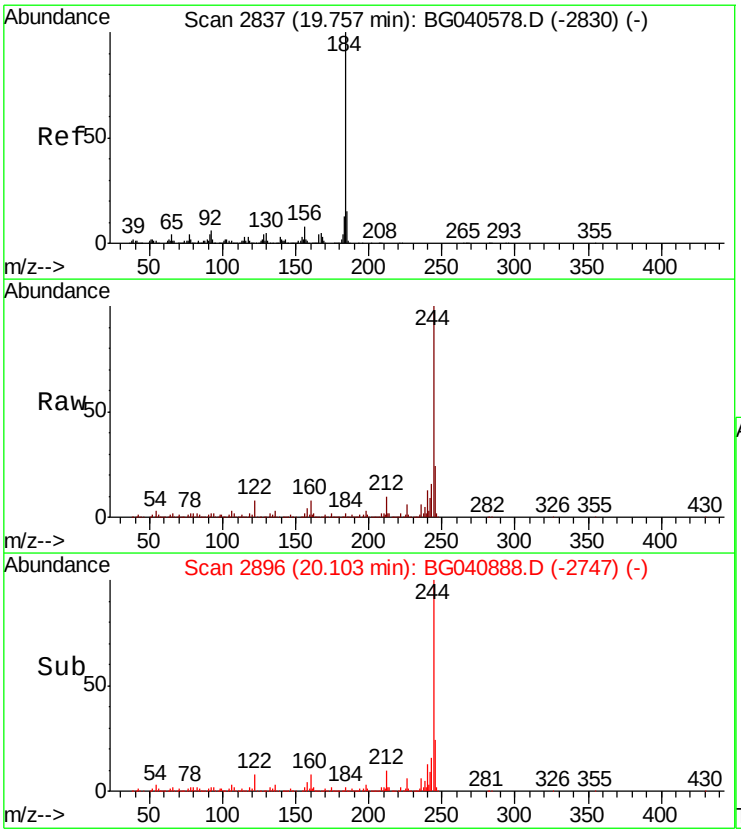
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.04 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:240 Resp: 437008

Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.0	7.6#
236	27.4	20.3	30.5

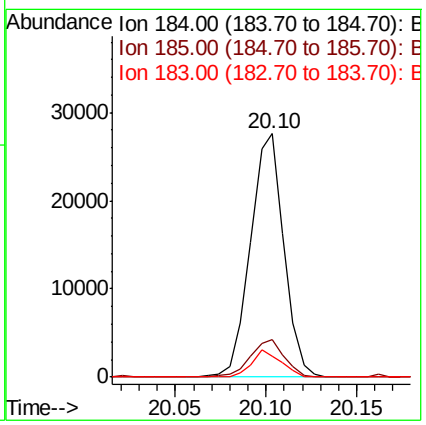


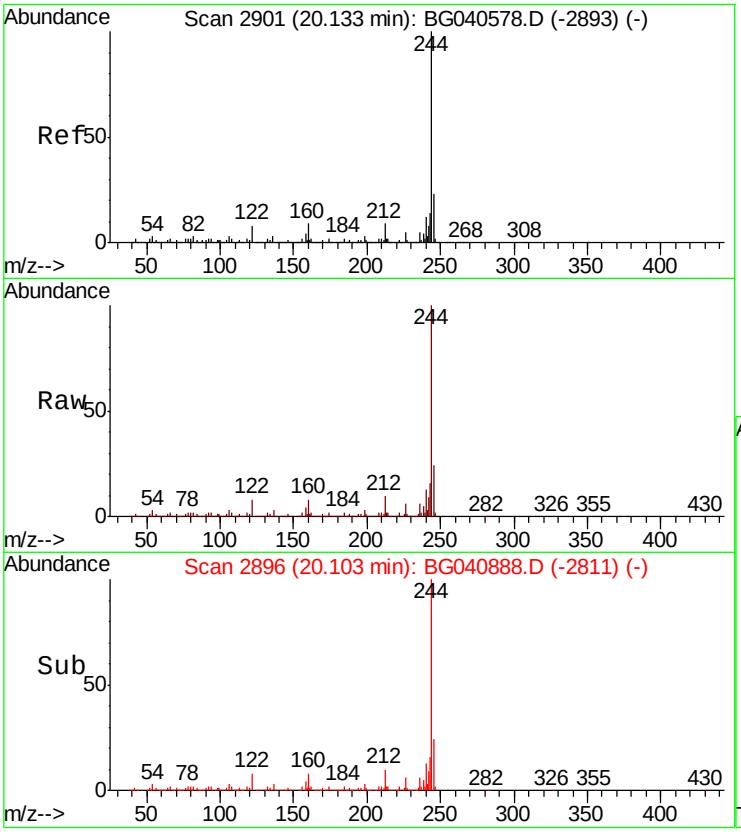


#77
Benzidine
Concen: 2.965 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:184 Resp: 35473

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.8	17.8
183	8.4	10.2	15.2#



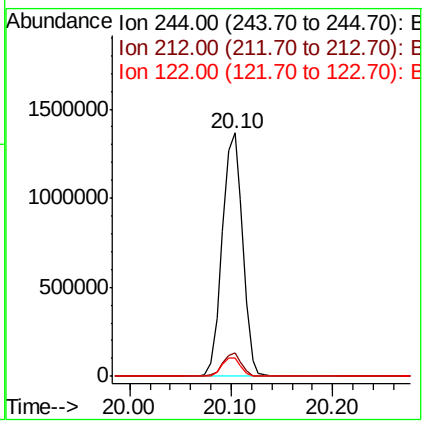


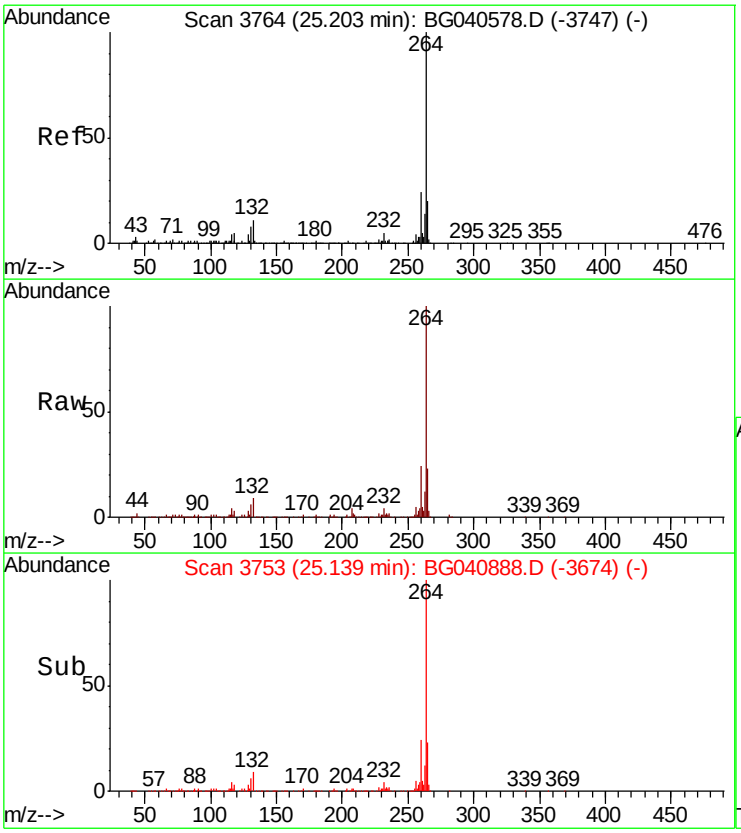
#79
Terphenyl-d14
Concen: 96.604 ng
RT: 20.10 min Scan# 2896
Delta R.T. -0.03 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Instrument :
BNA_G
ClientSampleId :
RB-190506

Tgt Ion:244 Resp: 1905590

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.2	10.8
122	7.5	6.6	10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.14 min Scan# 3753
Delta R.T. -0.06 min
Lab File: BG040888.D
Acq: 12 May 2019 00:17

Tgt Ion:264 Resp: 461296

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.5	16.6	25.0