Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
Data File : BG040027.D
Acq On : 20 Mar 2019 7:14
Operator : JU/SJ
Sample : K1693-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OR-03-031819-B

Quant Time: Mar 20 08:56:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	32728	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	134950	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	89044	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	243218	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	263953	20.00	ng	-0.03
87) Perylene-d12	25.16	264	259847	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	261052	136.08	ng	-0.02
7) Phenol-d6	7.29	99	346096	120.99	ng	-0.02
23) Nitrobenzene-d5	9.32	82	254233	101.89	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	164493	158.49	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	570763	91.27	ng	-0.02
79) Terphenyl-d14	20.11	244	1159692	96.74	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	9.32	70	33120	16.086	ng	# 79
51) 2,6-Dinitrotoluene	14.77	165	11136	7.055	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	11136	5.021	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	12997	4.774	ng	# 1
77) Benzidine	20.11	184	22014	2.628	ng	# 91

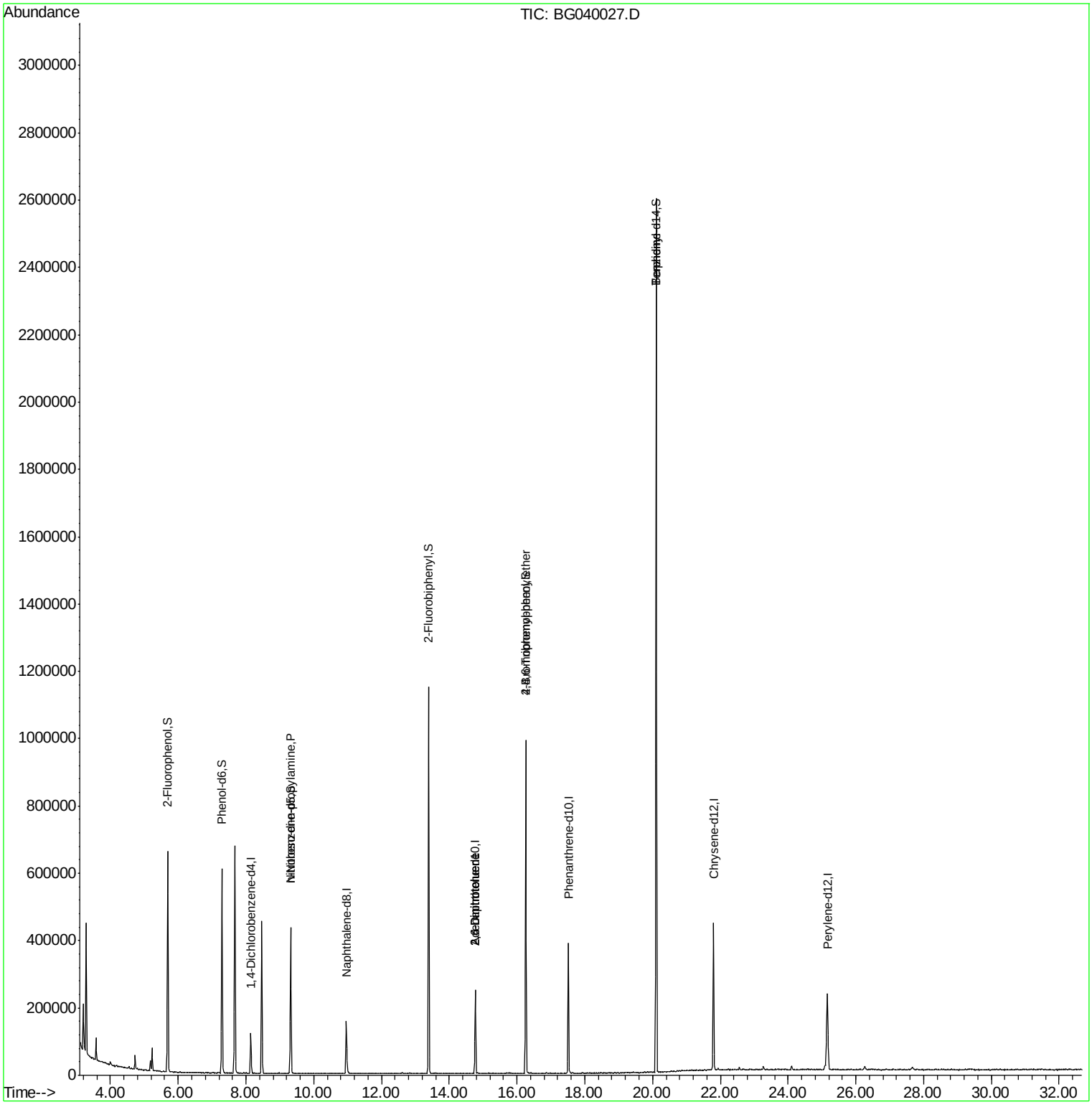
(#) = qualifier out of range (m) = manual integration (+) = signals summed

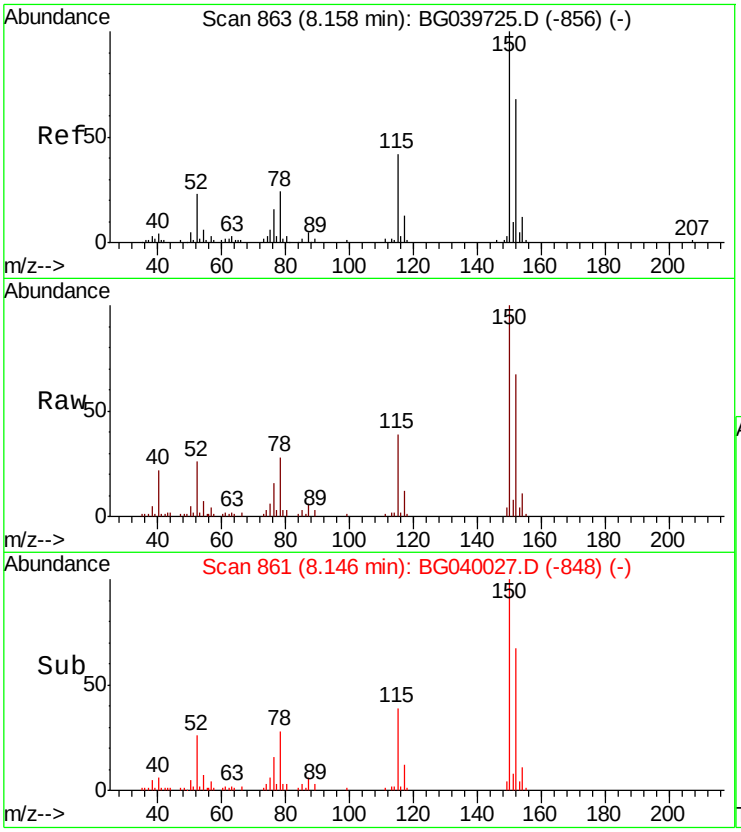
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
Data File : BG040027.D
Acq On : 20 Mar 2019 7:14
Operator : JU/SJ
Sample : K1693-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Quant Time: Mar 20 08:56:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration



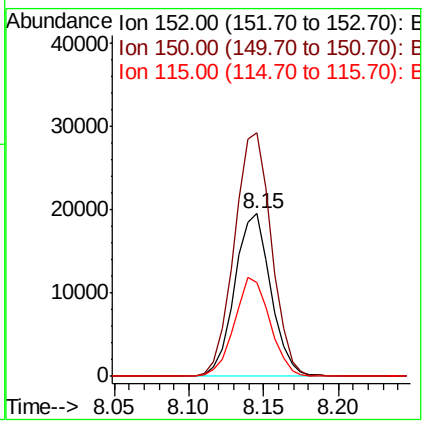


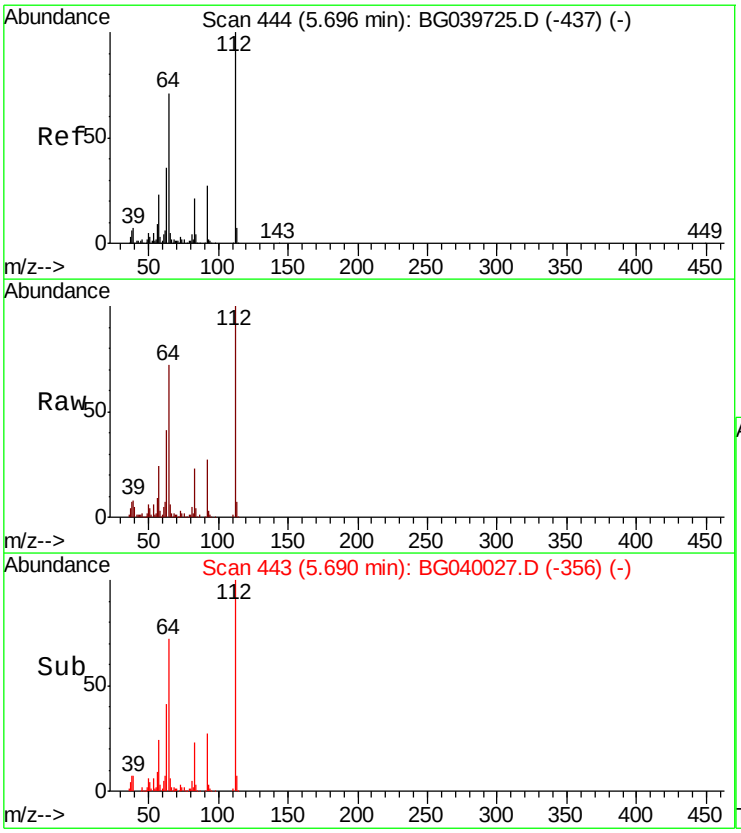
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:152 Resp: 32728

Ion	Ratio	Lower	Upper
152	100		
150	149.9	123.7	185.5
115	58.0	45.9	68.9

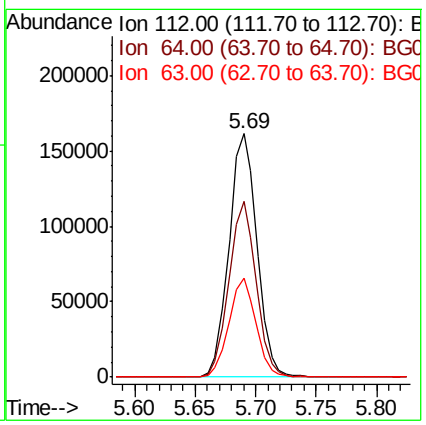


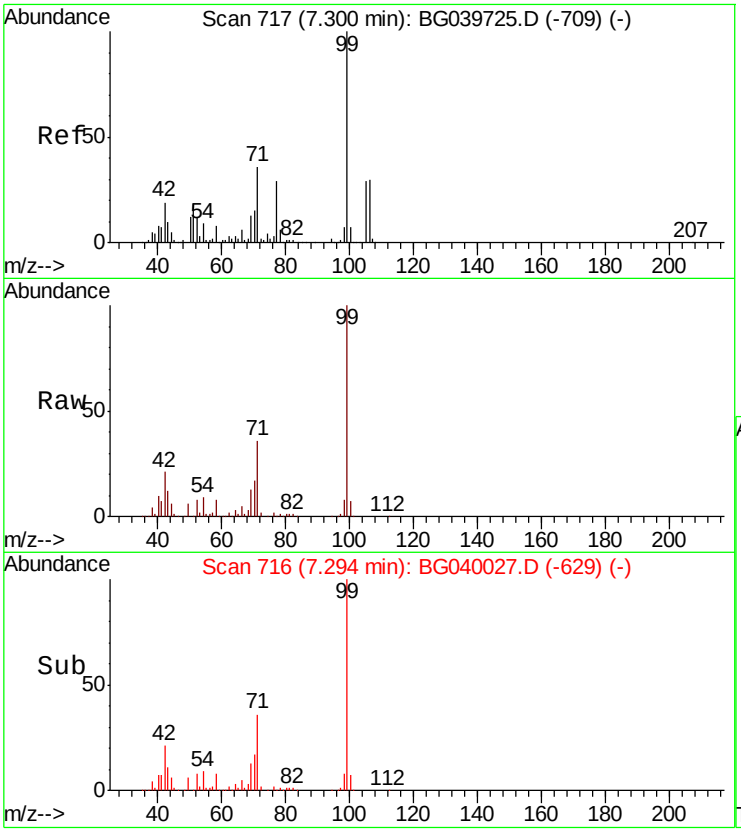


#5
2-Fluorophenol
Concen: 136.078 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:112 Resp: 261052

Ion	Ratio	Lower	Upper
112	100		
64	72.2	57.8	86.8
63	40.8	29.8	44.6



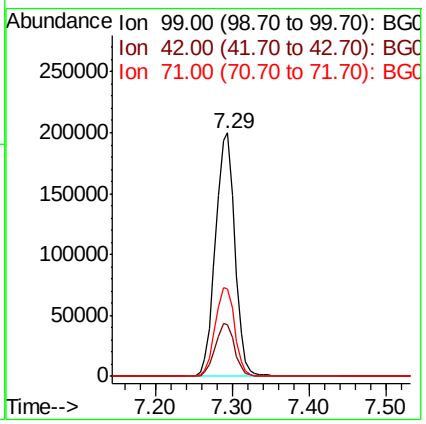


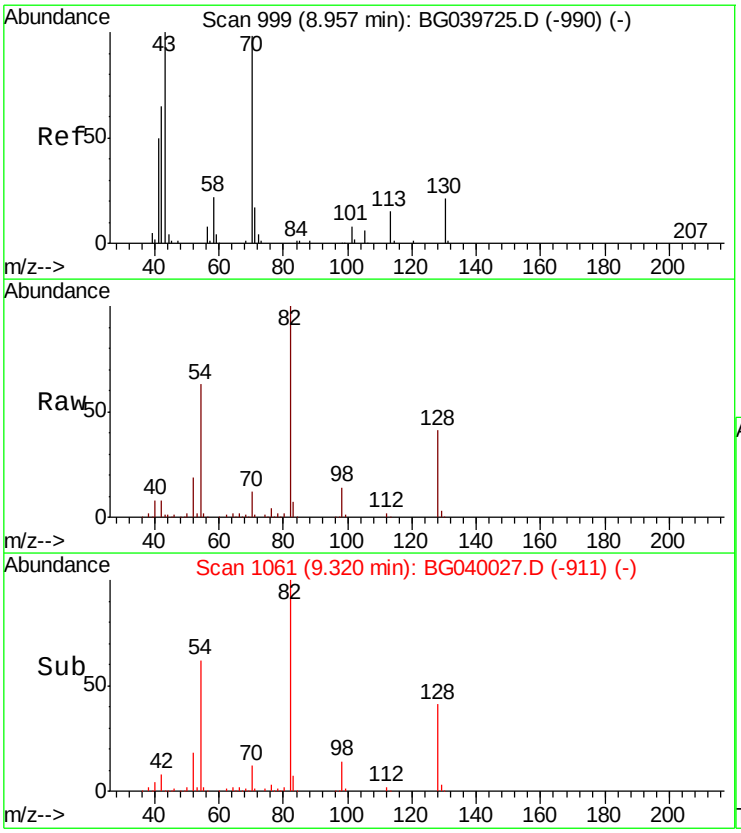
#7
Phenol-d6
Concen: 120.994 ng
RT: 7.29 min Scan# 716
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion: 99 Resp: 346096

Ion	Ratio	Lower	Upper
99	100		
42	21.3	18.2	27.2
71	35.9	28.0	42.0

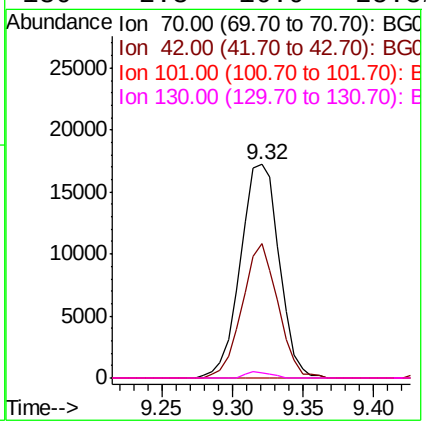


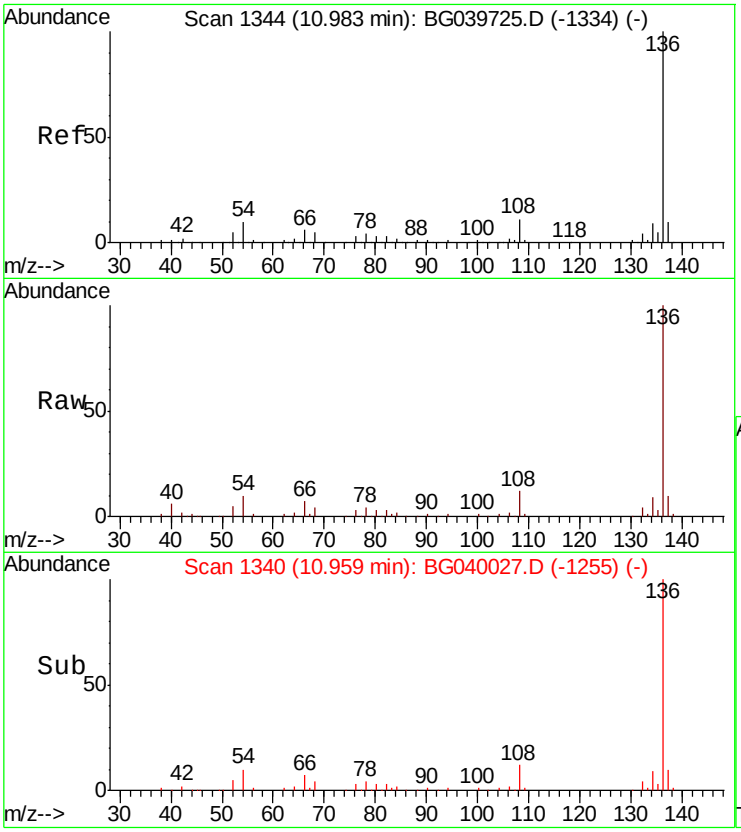


#19
n-Nitroso-di-n-propylamine
Concen: 16.086 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion: 70 Resp: 33120

Ion	Ratio	Lower	Upper
70	100		
42	63.1	60.4	90.6
101	0.0	7.5	11.3#
130	2.3	16.9	25.3#



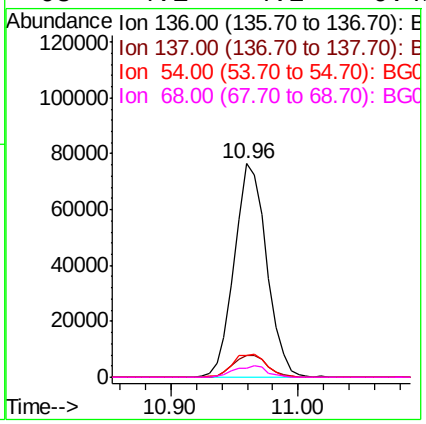


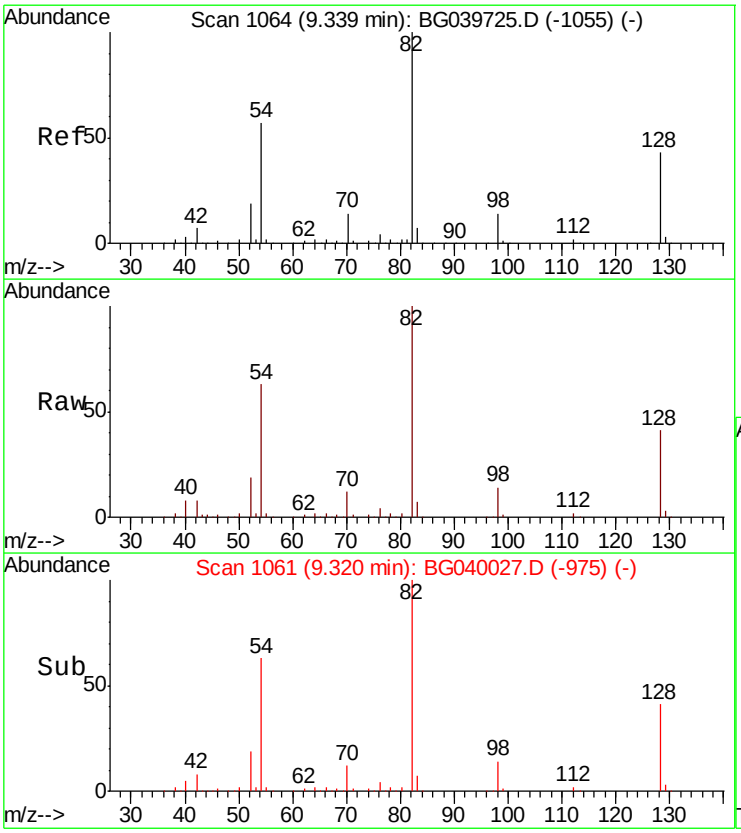
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:136 Resp: 134950

Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.1	13.7
54	10.5	9.4	14.2
68	4.1	4.2	6.4#

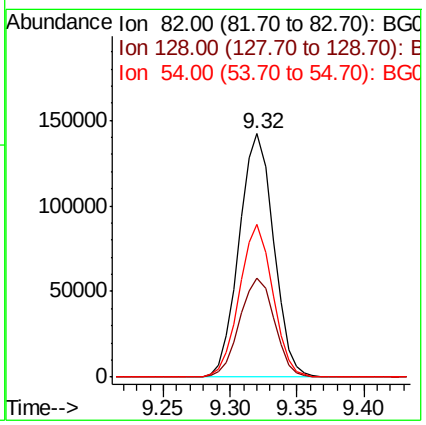


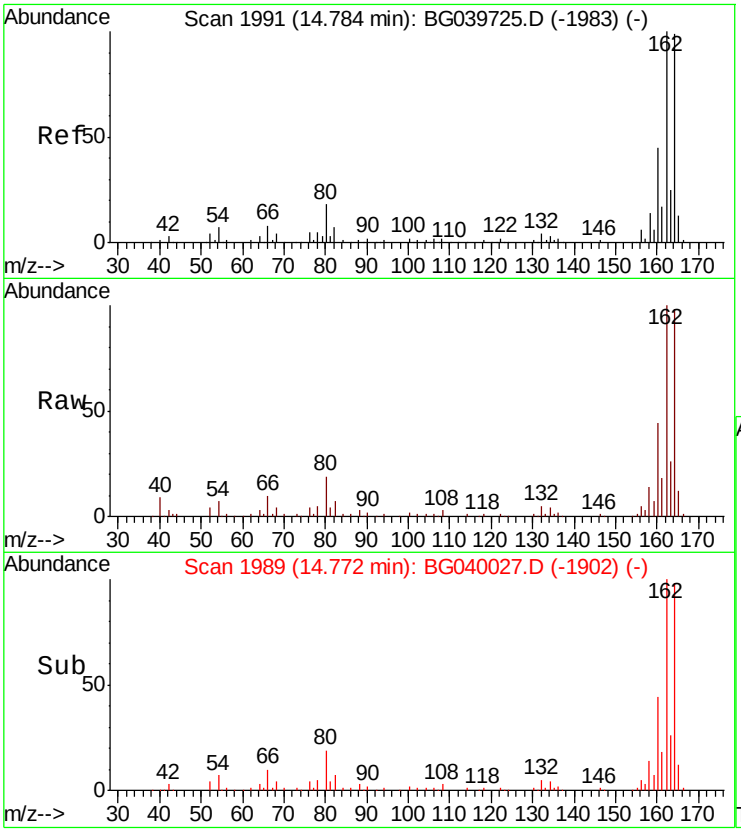


#23
Nitrobenzene-d5
Concen: 101.889 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion: 82 Resp: 254233

Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	62.7	50.9	76.3



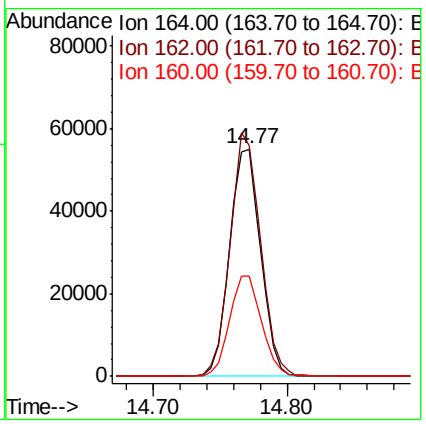


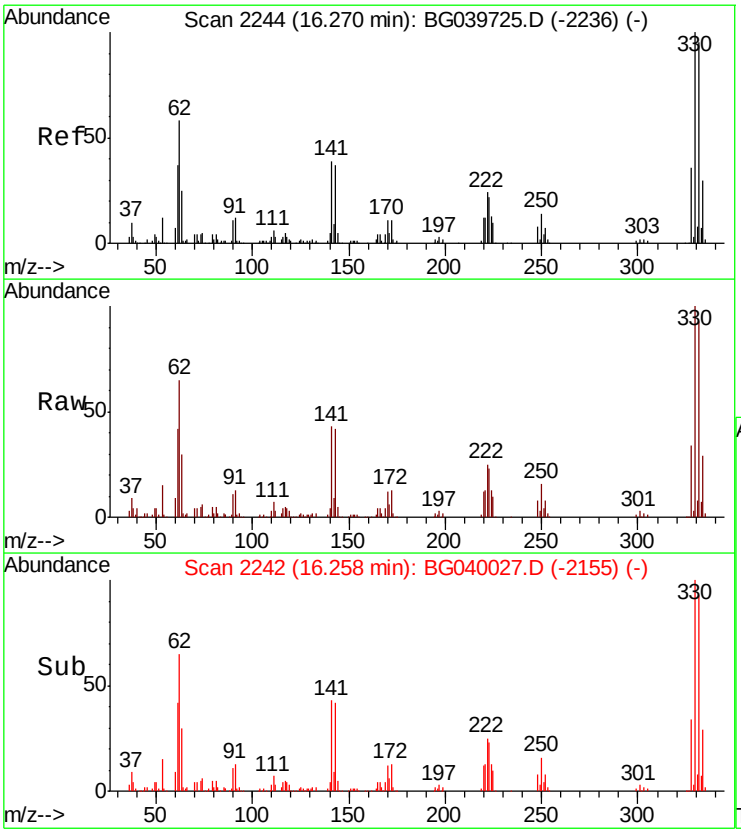
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:164 Resp: 89044

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	44.3	34.2	51.2

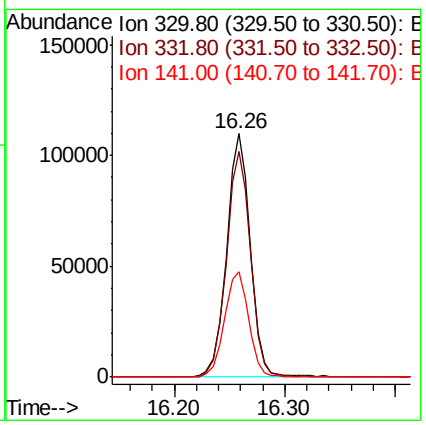


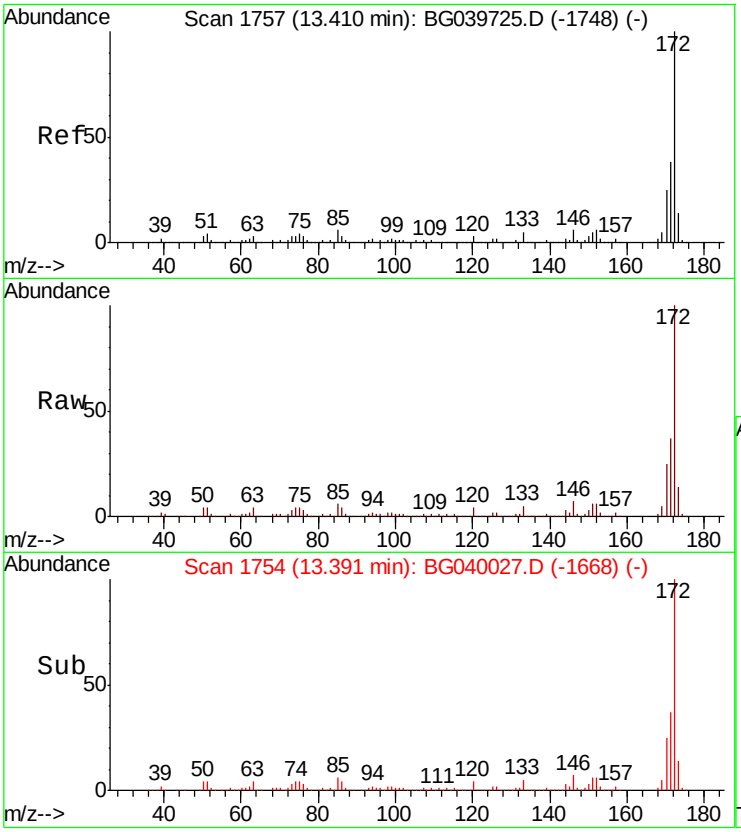


#42
2,4,6-Tribromophenol
Concen: 158.490 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:330 Resp: 164493

Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.7	113.5
141	44.4	35.6	53.4



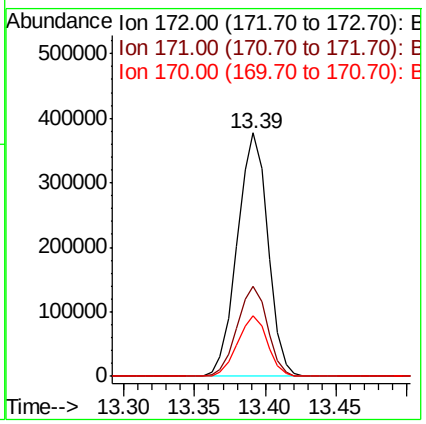


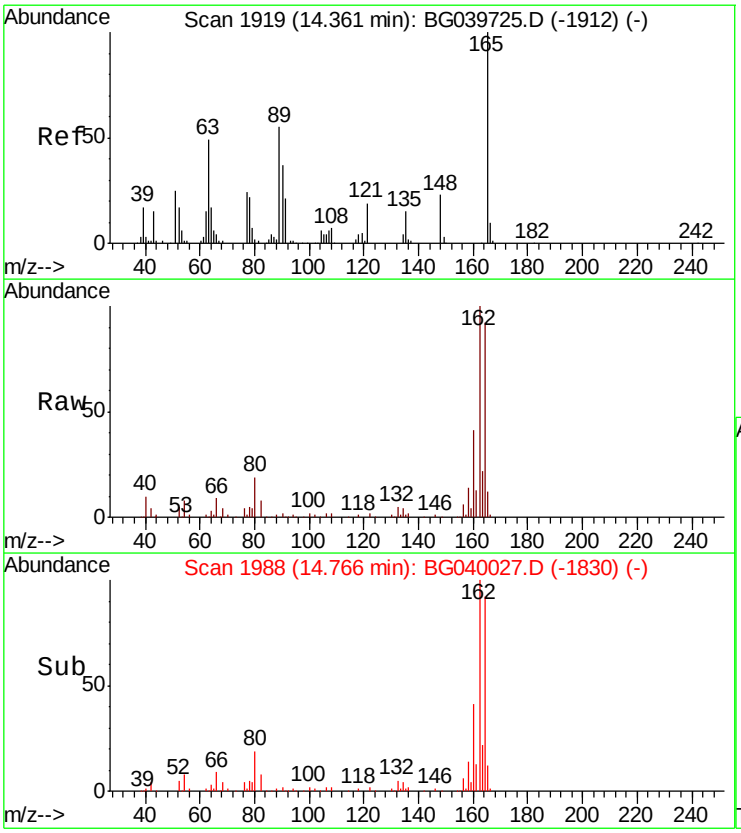
#45
2-Fluorobiphenyl
Concen: 91.266 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:172 Resp: 570763

Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.8	20.2	30.4

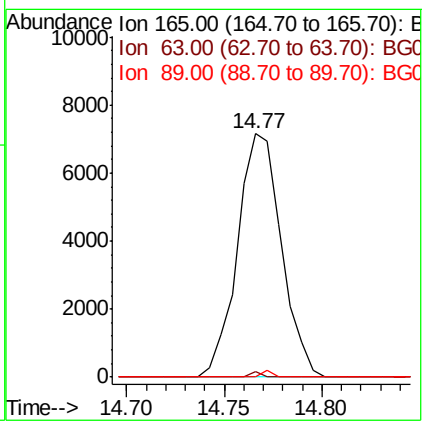


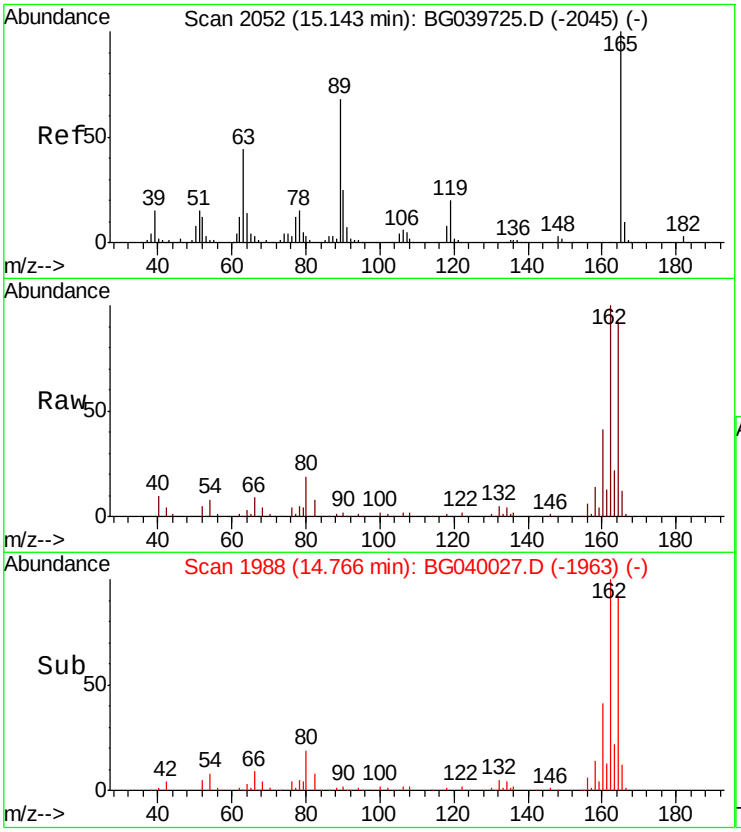


#51
2,6-Dinitrotoluene
Concen: 7.055 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:165 Resp: 11136

Ion	Ratio	Lower	Upper
165	100		
63	2.4	47.0	70.6#
89	0.0	45.8	68.8#



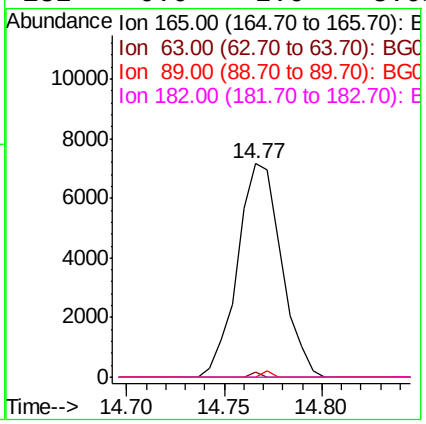


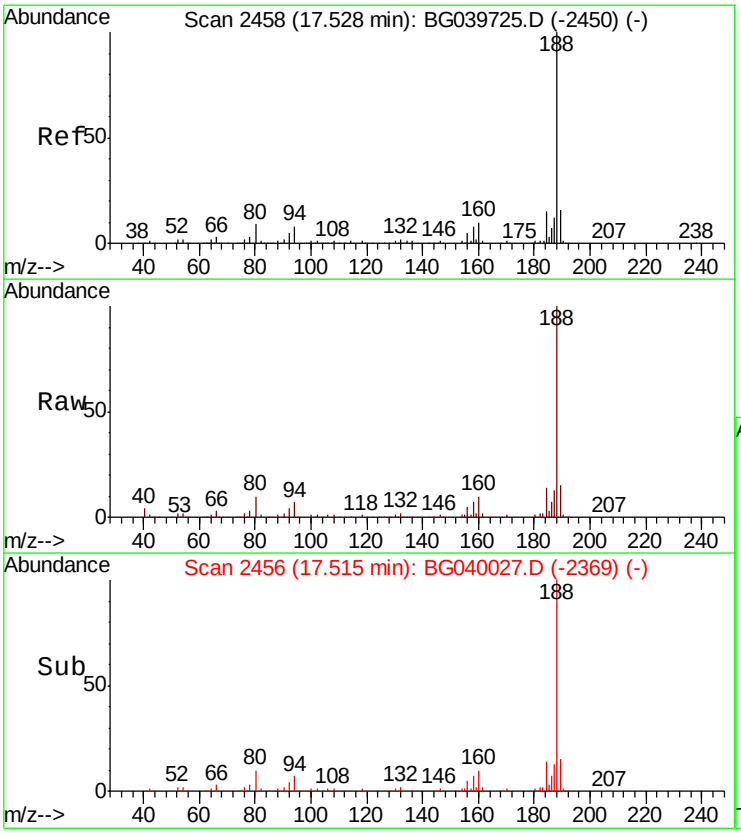
#57
2,4-Dinitrotoluene
Concen: 5.021 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:165 Resp: 11136

Ion	Ratio	Lower	Upper
165	100		
63	2.4	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

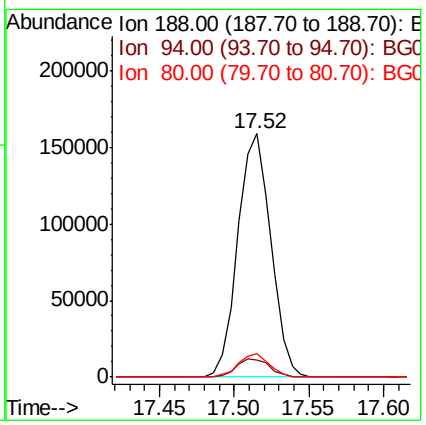


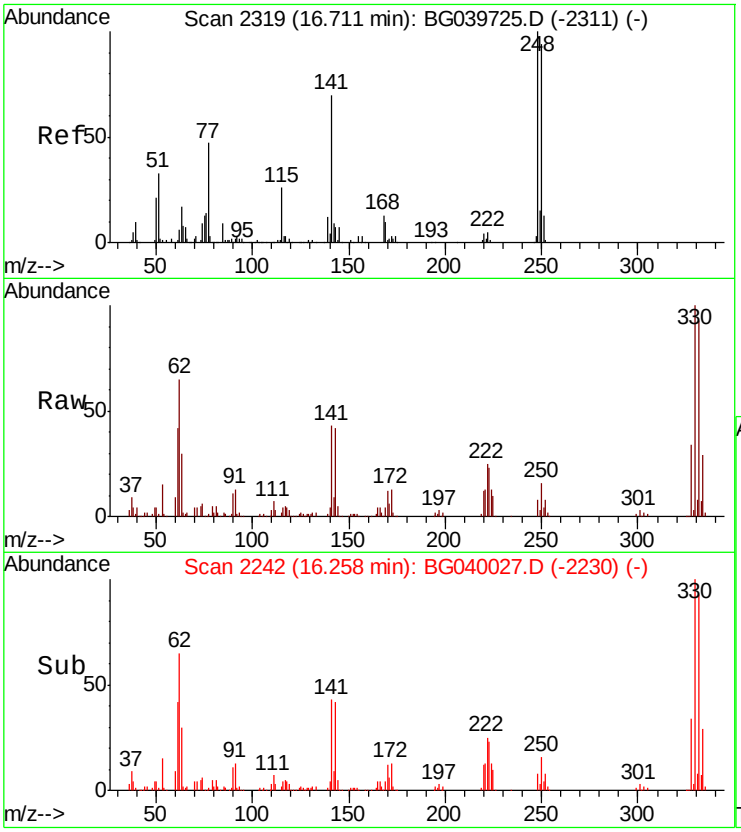


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:188 Resp: 243218

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	9.5	8.1	12.1



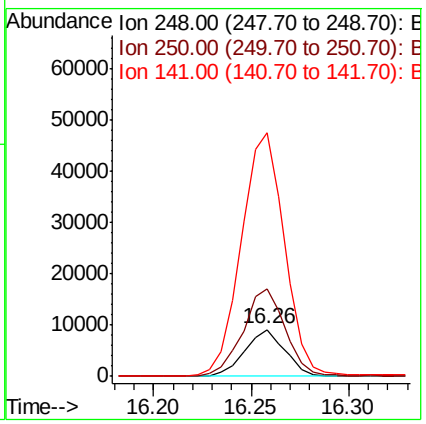


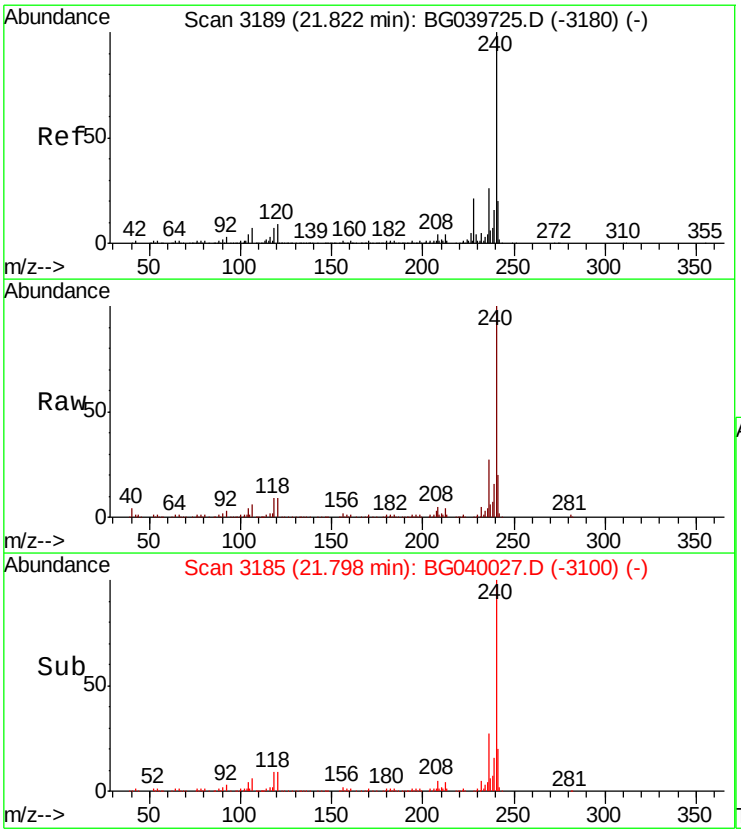
#67
4-Bromophenyl-phenylether
Concen: 4.774 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:248 Resp: 12997

Ion	Ratio	Lower	Upper
248	100		
250	188.6	77.6	116.4#
141	522.6	63.9	95.9#

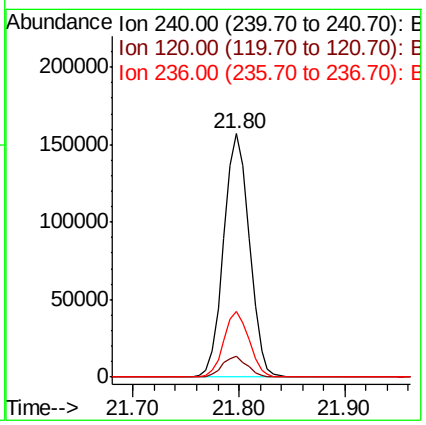


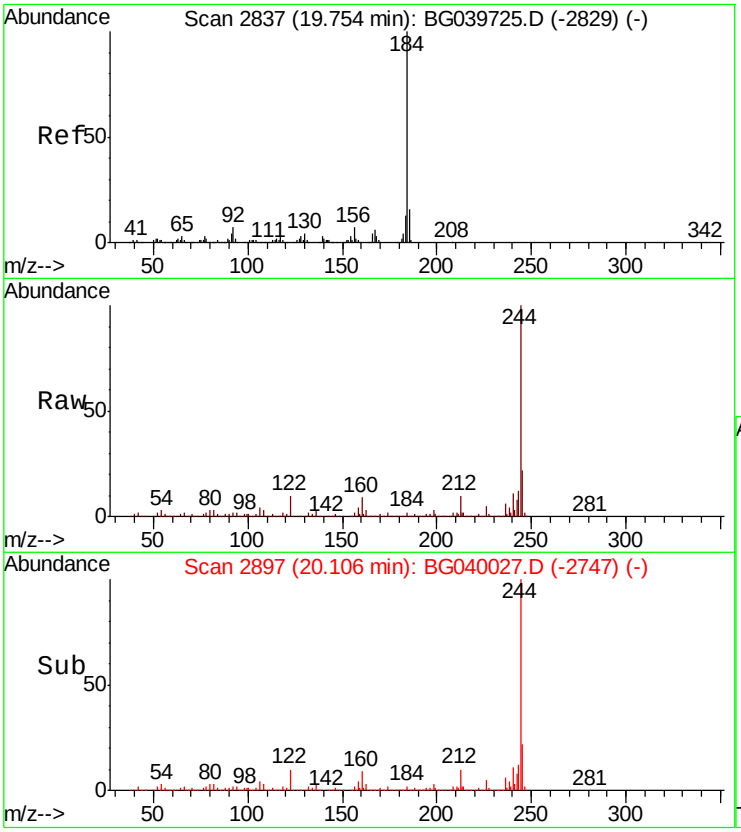


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:240 Resp: 263953

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.0	10.6
236	26.7	21.0	31.4



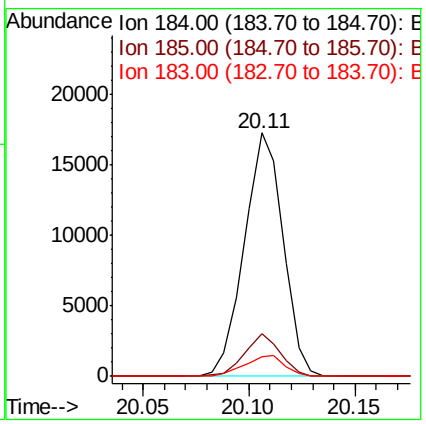


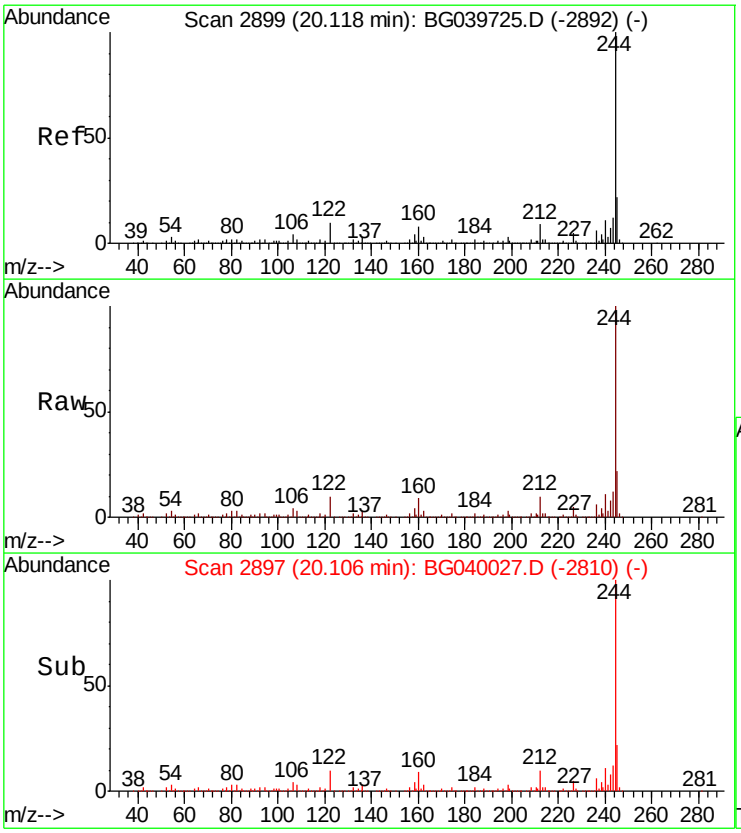
#77
Benzidine
Concen: 2.628 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:184 Resp: 22014

Ion	Ratio	Lower	Upper
184	100		
185	17.6	12.2	18.2
183	8.3	10.6	15.8#

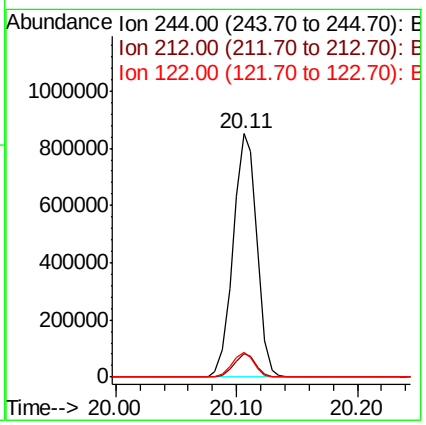


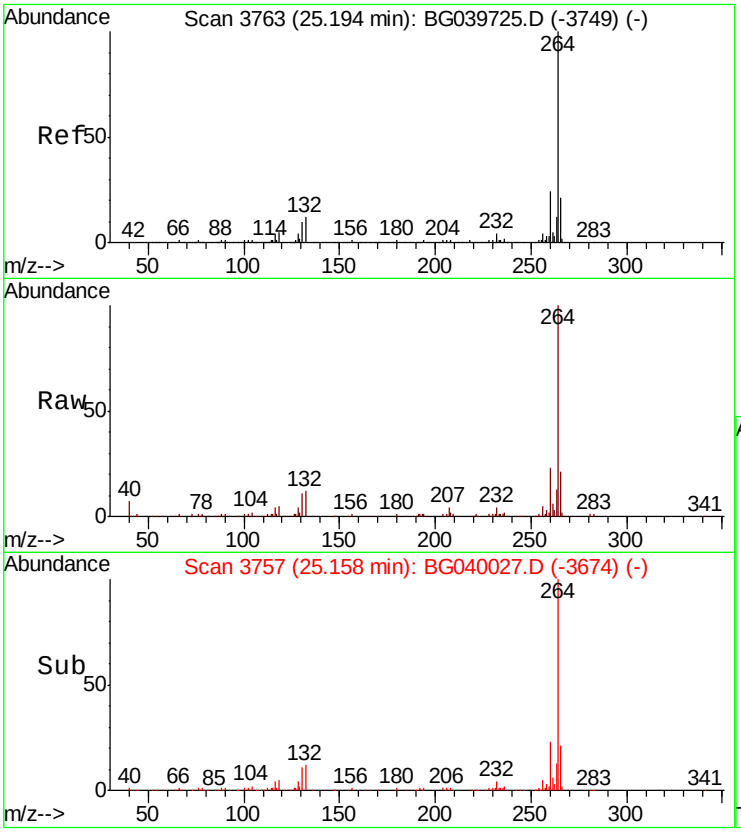


#79
Terphenyl-d14
Concen: 96.738 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Tgt Ion:244 Resp: 1159692

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	9.9	8.4	12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040027.D
Acq: 20 Mar 2019 7:14

Instrument :
BNA_G
ClientSampleId :
OR-03-031819-B

Tgt Ion:264 Resp: 259847

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	21.3	18.5	27.7