Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
Data File : BG039387.D
Acq On : 7 Feb 2019 18:20
Operator : JU/SJ
Sample : K1389-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : M-7

Quant Time: Feb 08 09:13:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	53581	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	227967	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	151022	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	361465	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	382749	20.00	ng	-0.01
87) Perylene-d12	25.21	264	378139	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	245913	78.55	ng	0.00
7) Phenol-d6	7.31	99	229025	49.70	ng	-0.01
23) Nitrobenzene-d5	9.35	82	410356	112.45	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	240090	147.63	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	991647	94.20	ng	0.00
79) Terphenyl-d14	20.14	244	1552077	85.83	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.32	77	583	Below Cal	#	20
19) n-Nitroso-di-n-propylamine	9.36	70	52655	16.10	ng	# 69
32) Benzoic acid	10.44	122	58	9.04	ng	# 1
48) 2-Nitroaniline	14.23	65	87	8.32	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	18578	13.60	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	18578	13.15	ng	# 19
62) 4-Nitroaniline	16.22	138	56	4.22	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	777	4.86	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	18571	4.63	ng	# 1
77) Benzidine	20.14	184	28223	2.25	ng	# 95

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

Quantitation Report (Not Reviewed)

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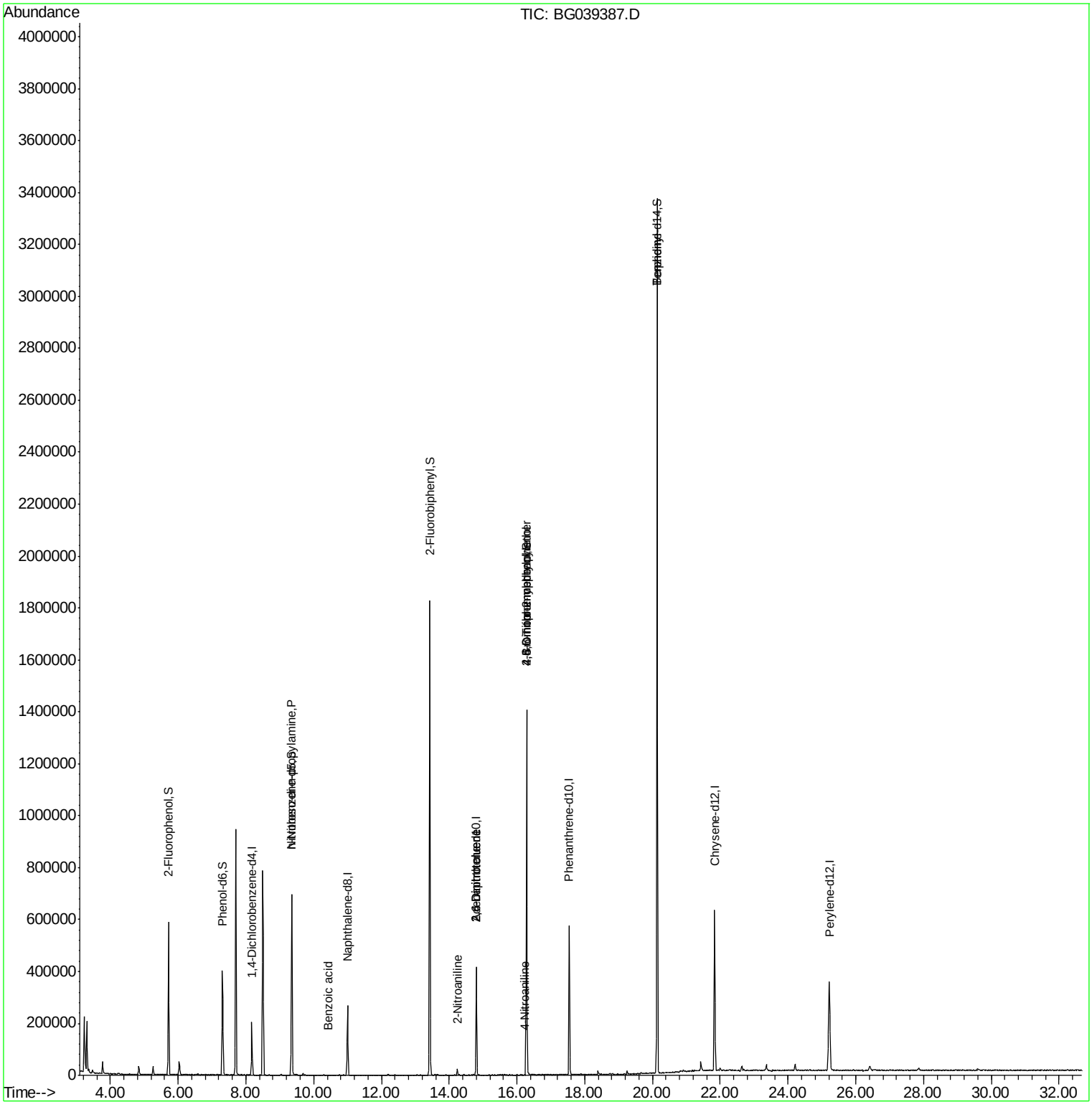
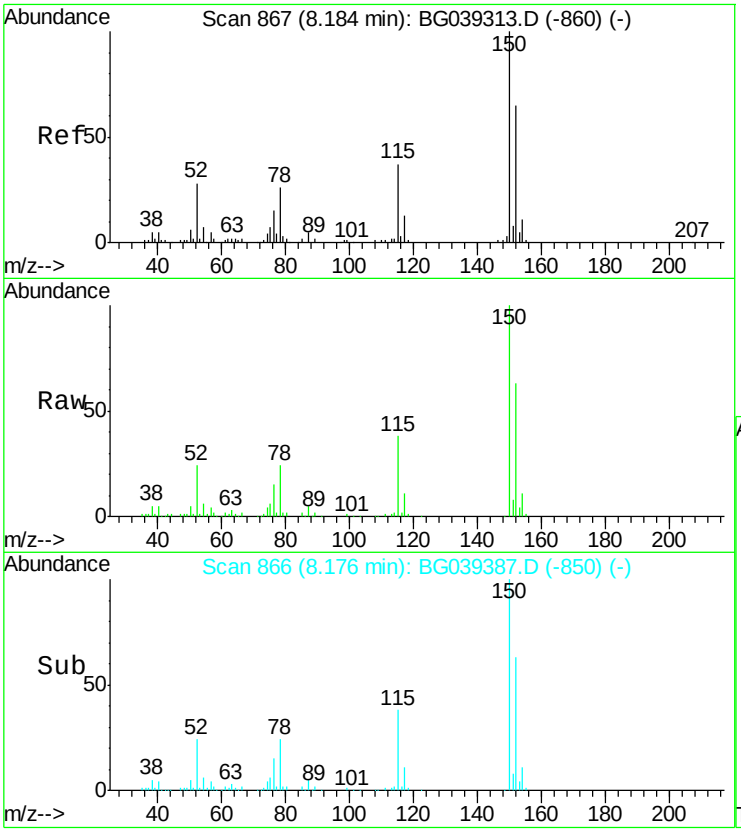


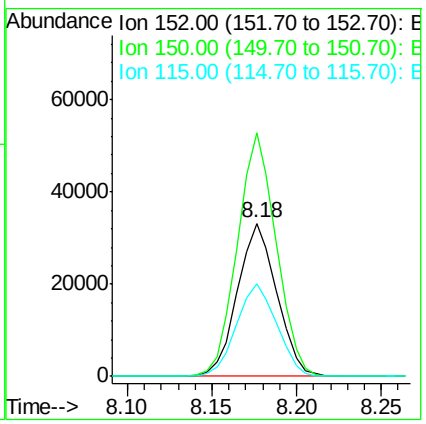


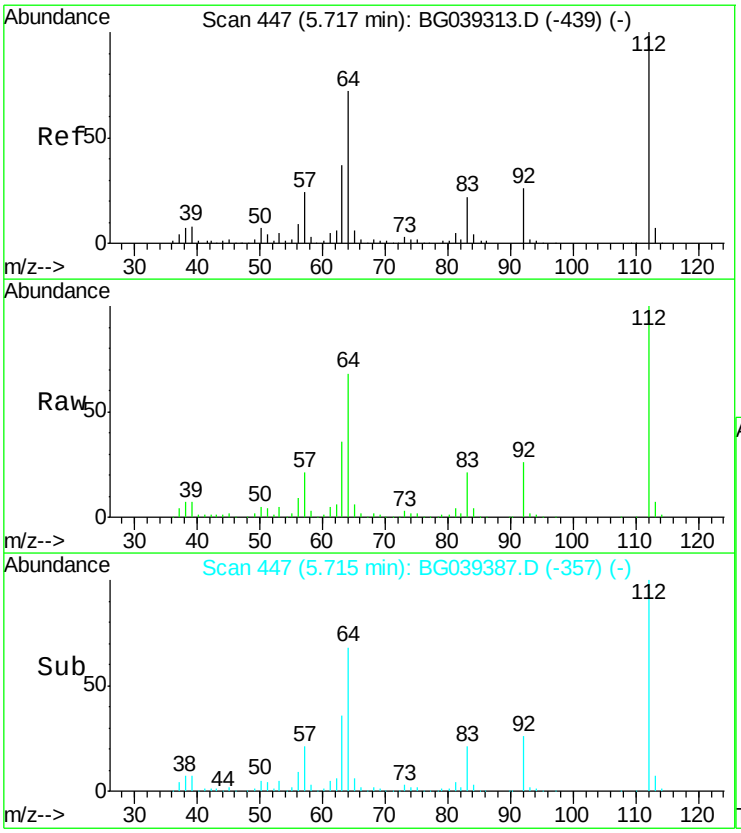
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:152 Resp: 53581

Ion	Ratio	Lower	Upper
152	100		
150	159.2	123.7	185.5
115	60.2	45.9	68.9

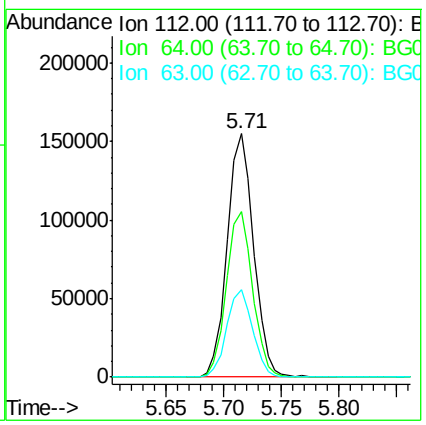


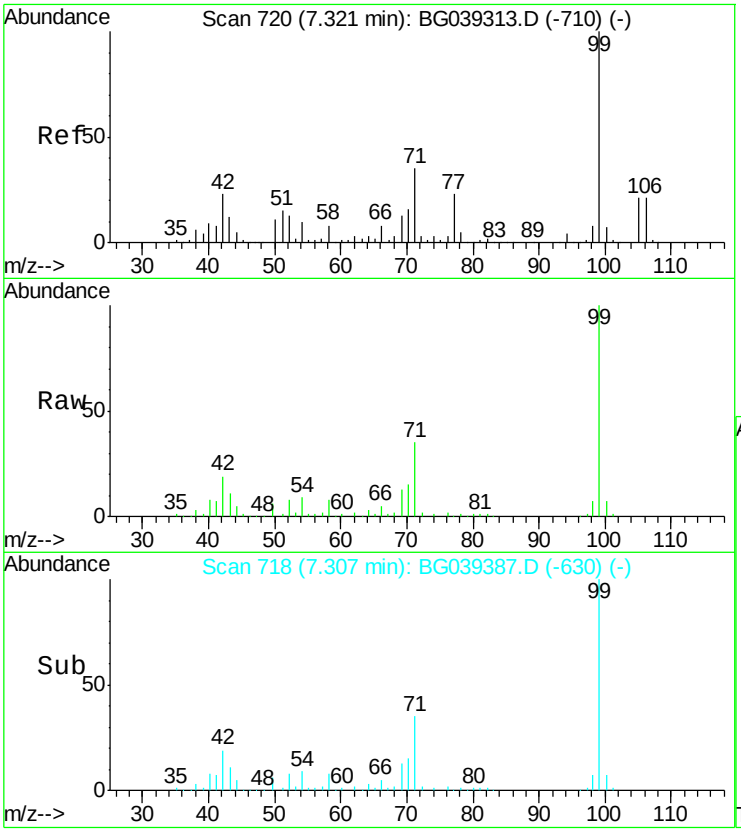


#5
2-Fluorophenol
Concen: 78.55 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:112 Resp: 245913

Ion	Ratio	Lower	Upper
112	100		
64	68.1	57.8	86.8
63	35.8	29.8	44.6



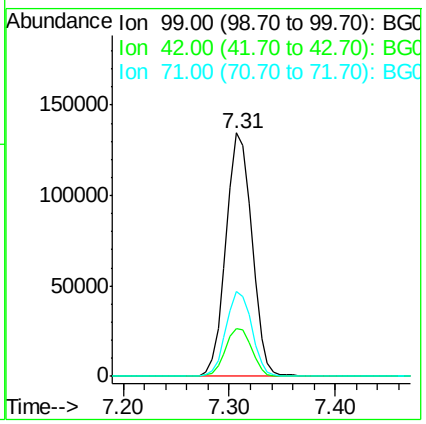


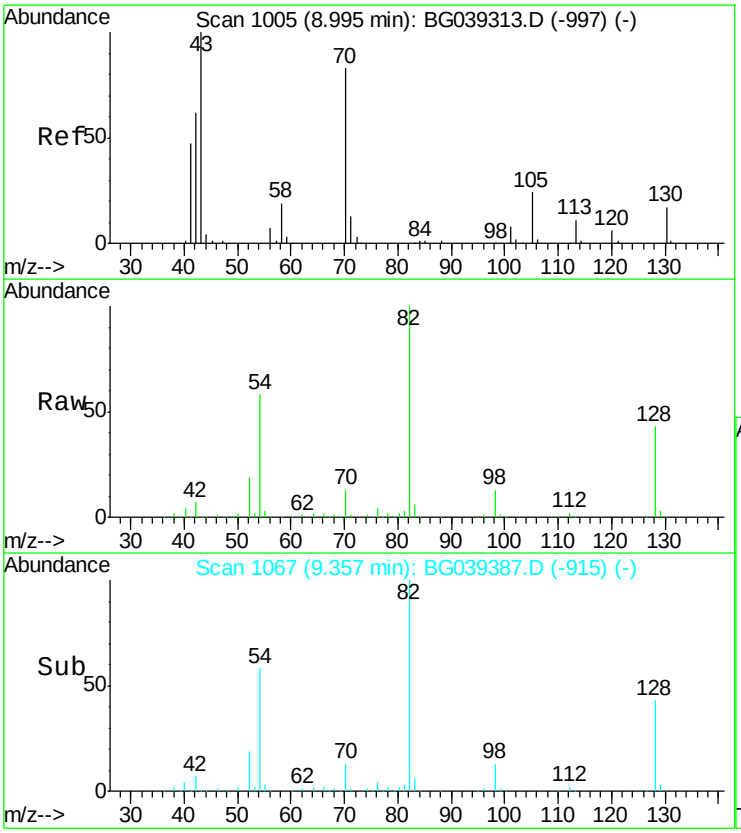
#7
Phenol-d6
Concen: 49.70 ng
RT: 7.31 min Scan# 718
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion: 99 Resp: 229025

Ion	Ratio	Lower	Upper
99	100		
42	19.4	18.2	27.2
71	34.9	28.0	42.0

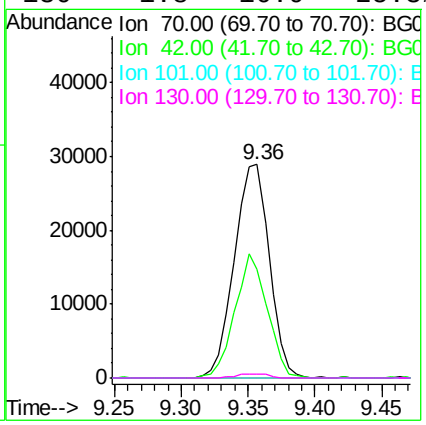


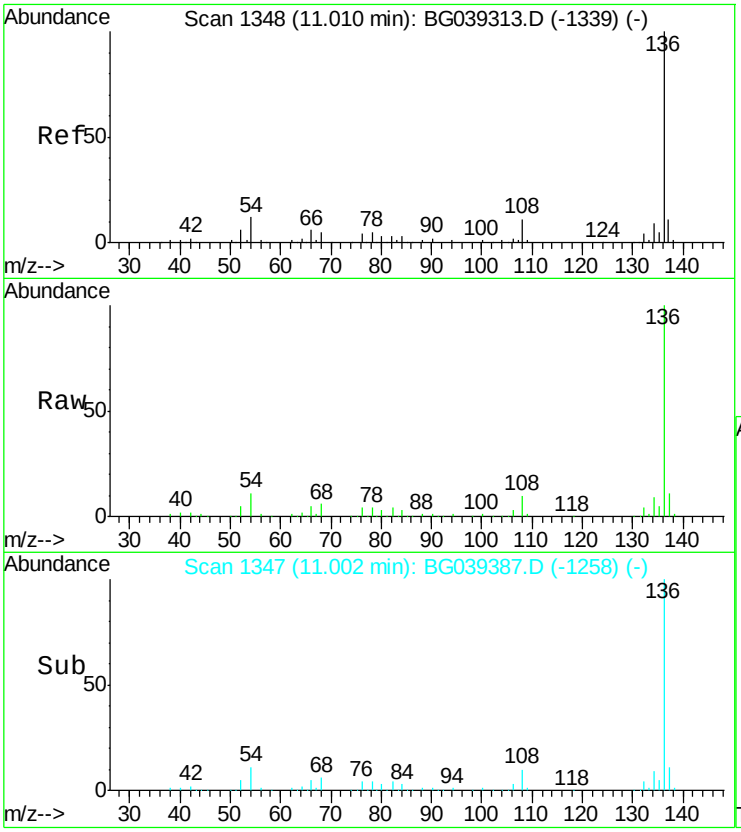


#19
n-Nitroso-di-n-propylamine
Concen: 16.10 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion: 70 Resp: 52655

Ion	Ratio	Lower	Upper
70	100		
42	50.7	60.4	90.6#
101	0.0	7.5	11.3#
130	1.8	16.9	25.3#



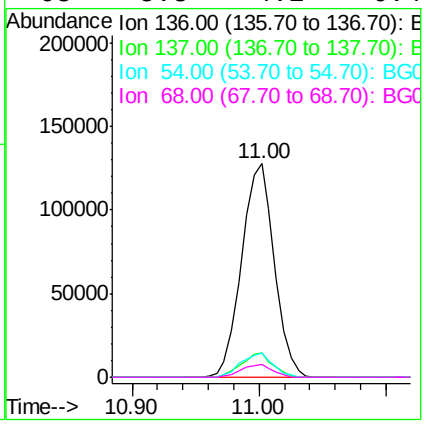


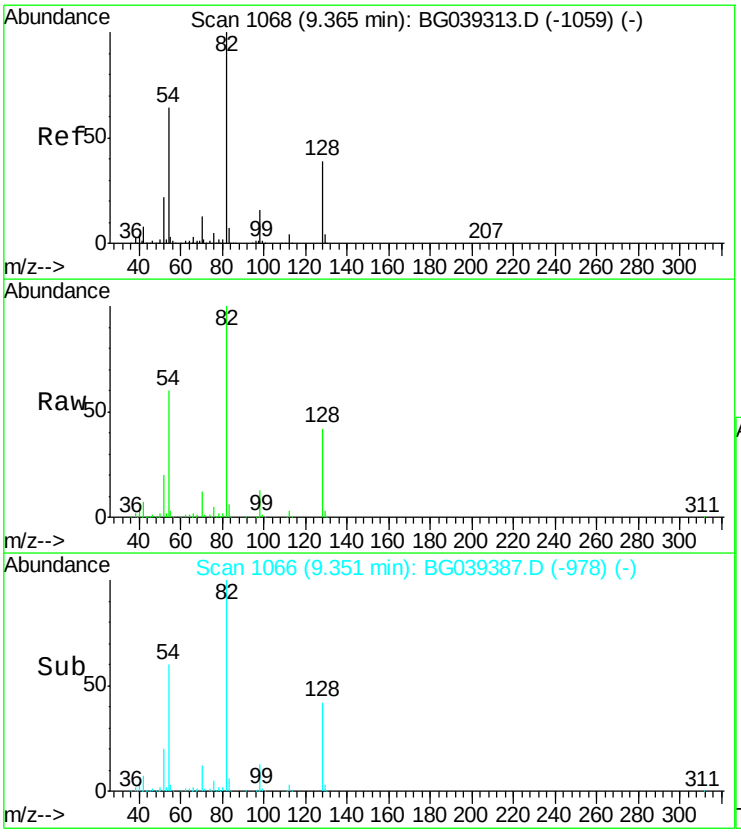
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:136 Resp: 227967

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.3	9.4	14.2
68	5.8	4.2	6.4

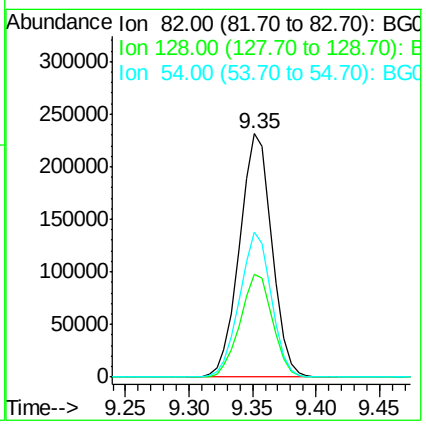


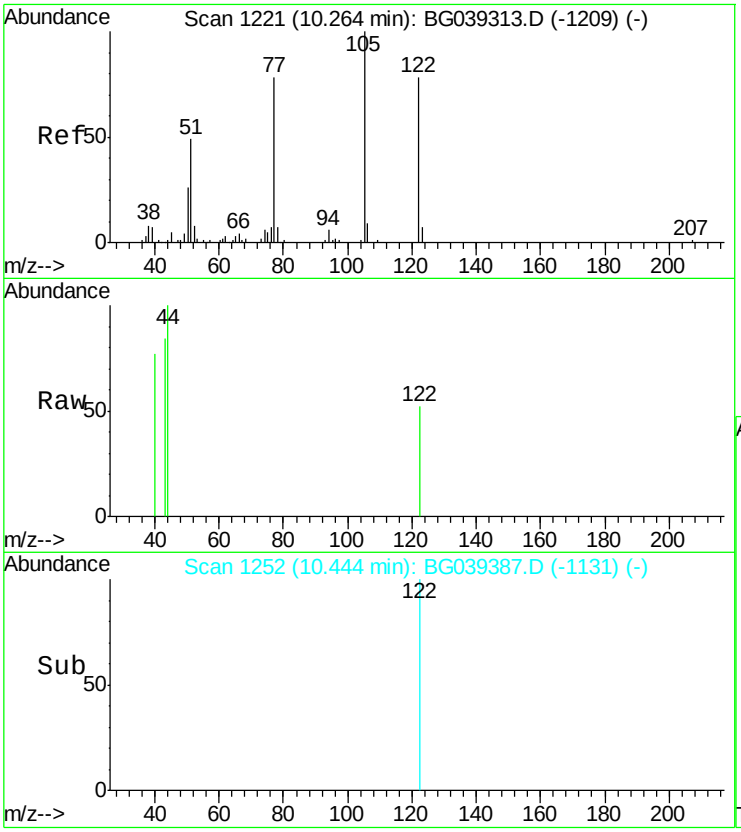


#23
Nitrobenzene-d5
Concen: 112.45 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion: 82 Resp: 410356

Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.3	46.9
54	59.7	50.9	76.3



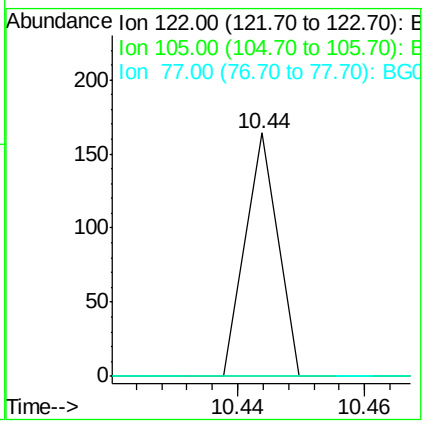


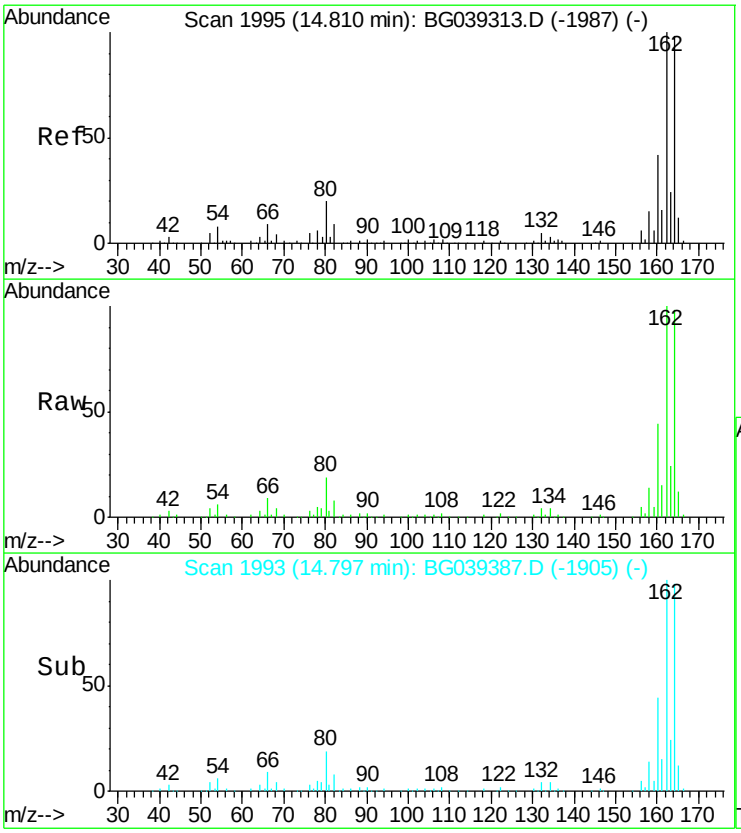
#32
Benzoic acid
Concen: 9.04 ng
RT: 10.44 min Scan# 1252
Delta R.T. 0.18 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:122 Resp: 58

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

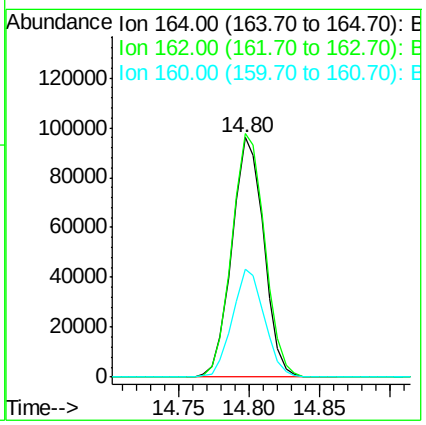


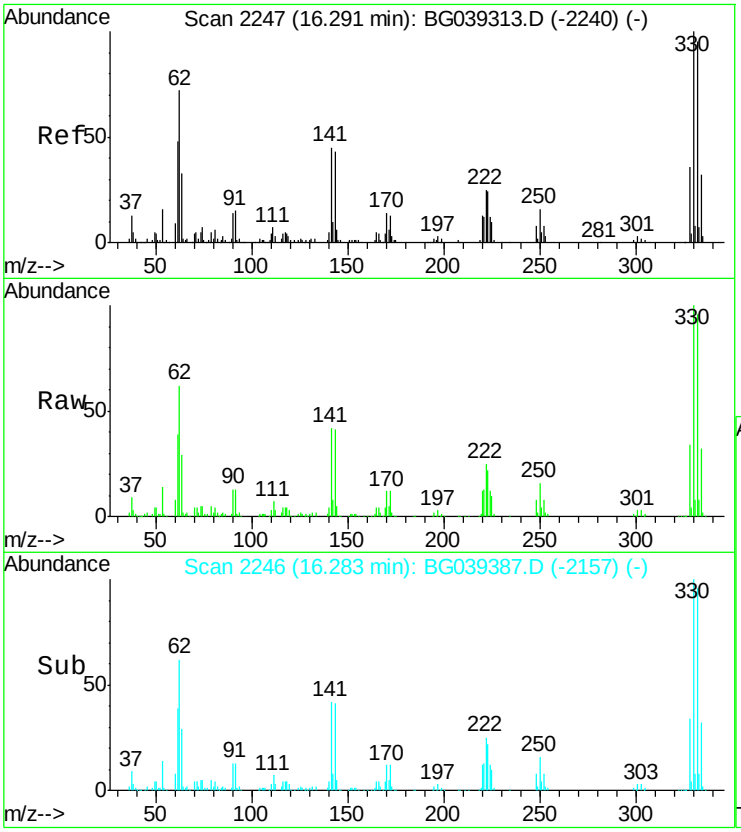


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:164 Resp: 151022

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.6	122.4
160	44.9	34.2	51.2



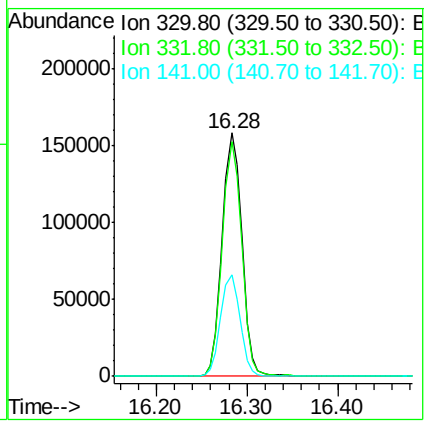


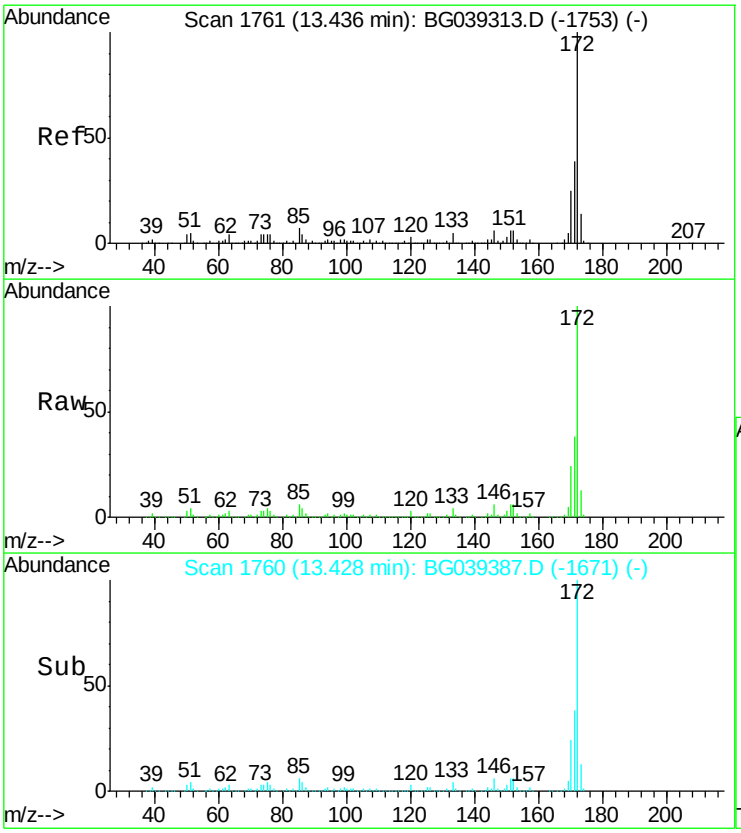
#42
2,4,6-Tribromophenol
Concen: 147.63 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:330 Resp: 240090

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.7	113.5
141	41.2	35.6	53.4

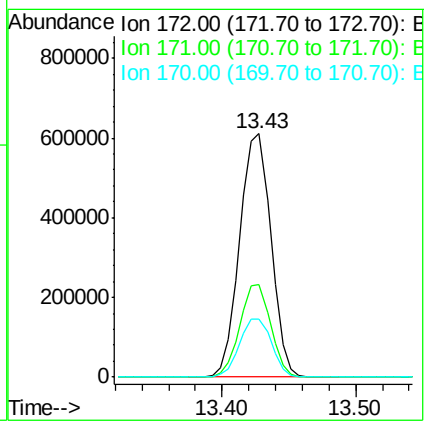


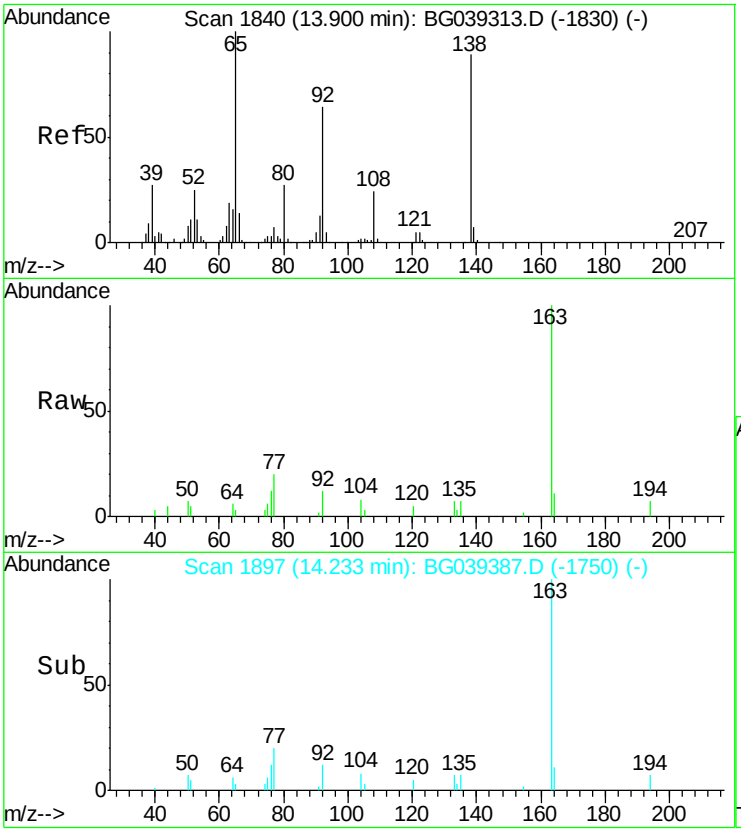


#45
2-Fluorobiphenyl
Concen: 94.20 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:172 Resp: 991647

Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.8	46.2
170	24.1	20.2	30.4



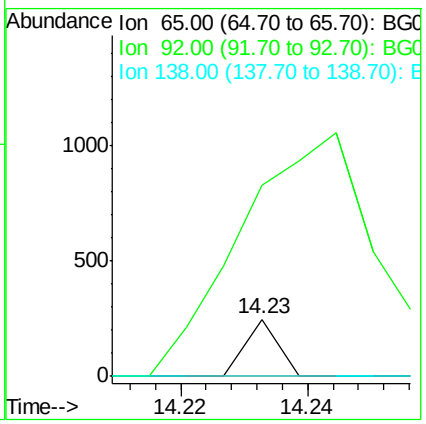


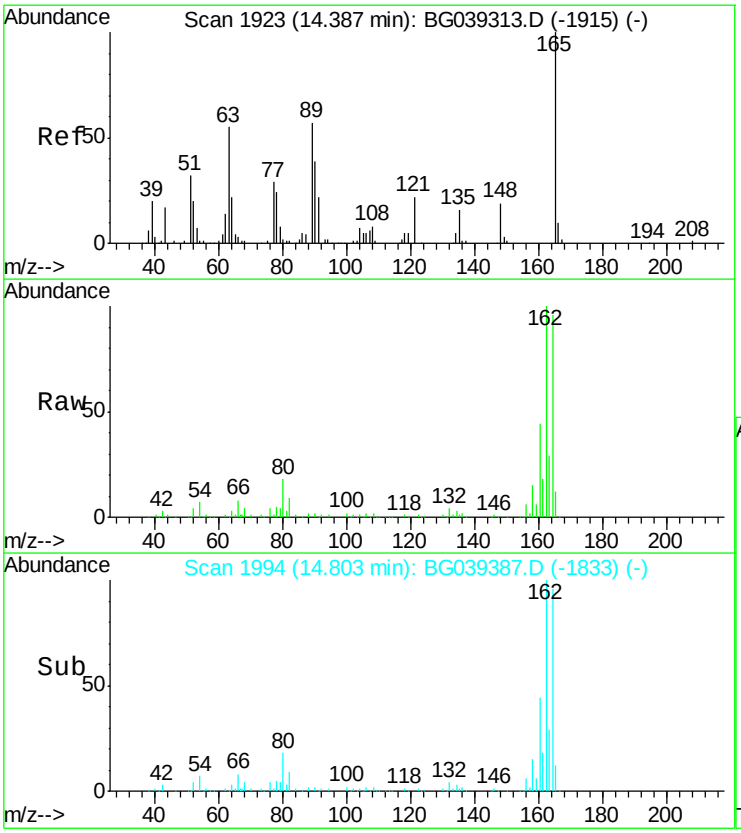
#48
2-Nitroaniline
Concen: 8.32 ng
RT: 14.23 min Scan# 1897
Delta R.T. 0.33 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion: 65 Resp: 87

Ion	Ratio	Lower	Upper
65	100		
92	334.3	51.4	77.2#
138	0.0	71.4	107.2#

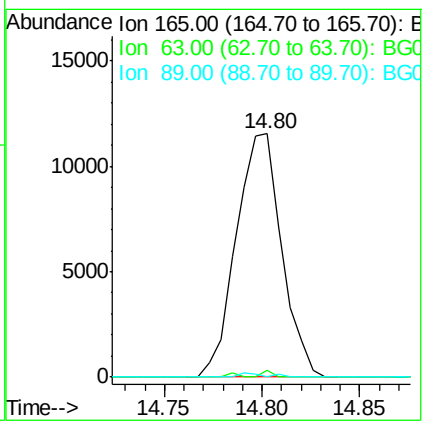


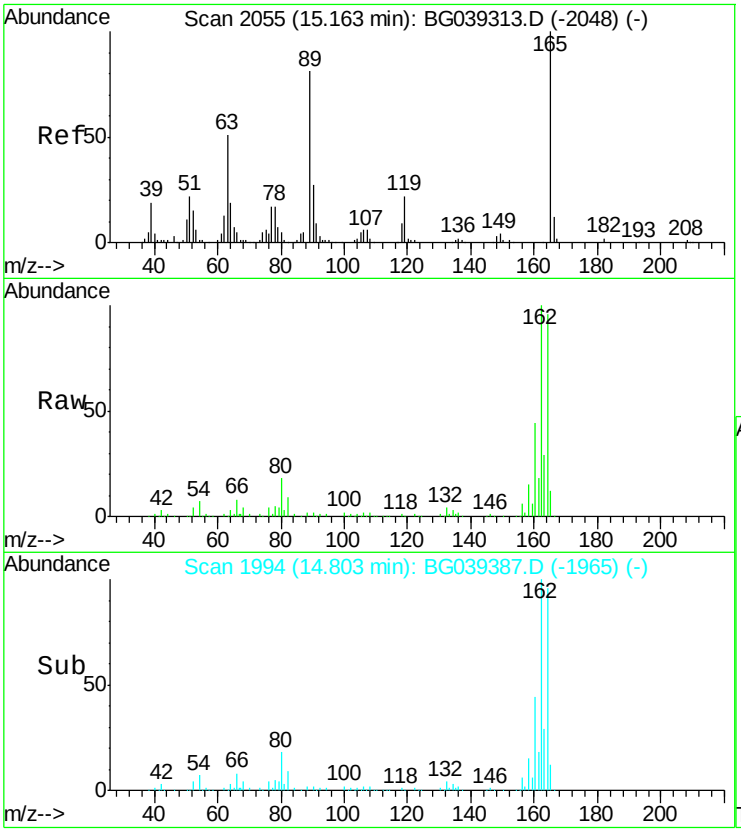


#51
2,6-Dinitrotoluene
Concen: 13.60 ng
RT: 14.80 min Scan# 1994
Delta R.T. 0.42 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:165 Resp: 18578

Ion	Ratio	Lower	Upper
165	100		
63	2.9	47.0	70.6#
89	0.0	45.8	68.8#



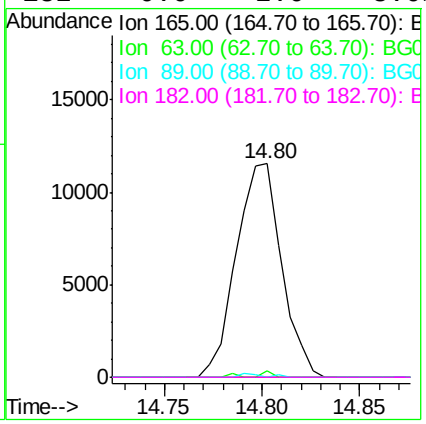


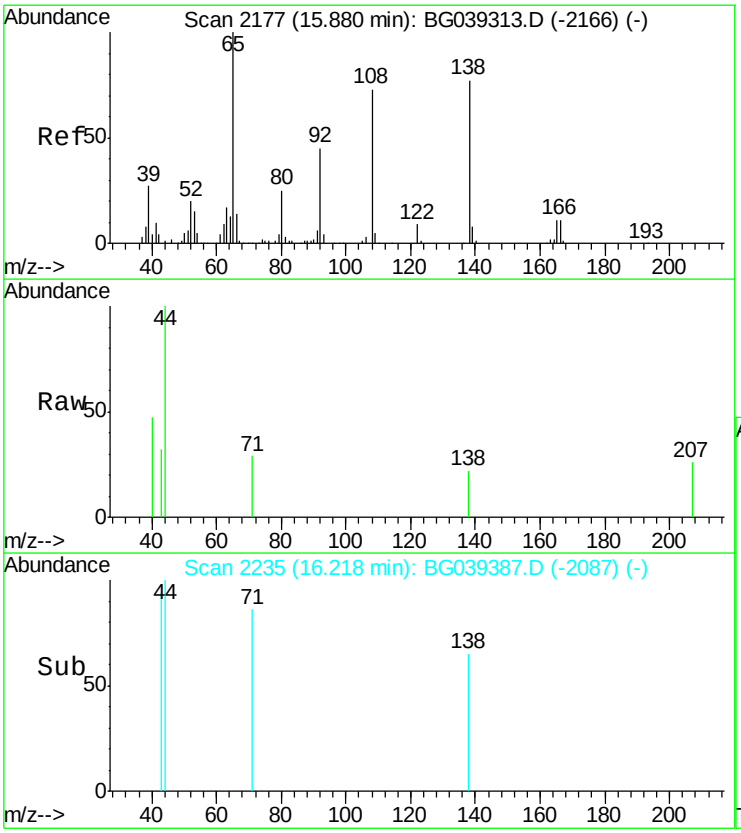
#57
2,4-Dinitrotoluene
Concen: 13.15 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.36 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:165 Resp: 18578

Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

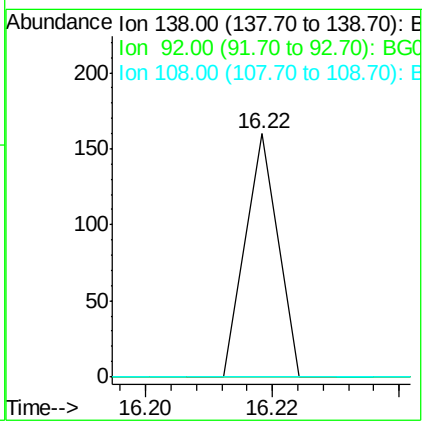


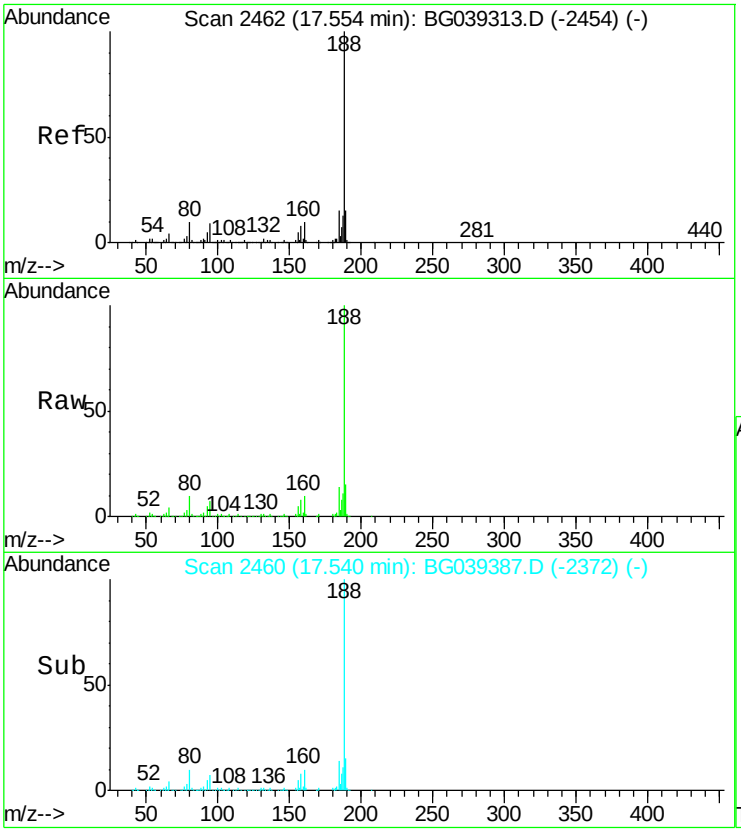


#62
4-Nitroaniline
Concen: 4.22 ng
RT: 16.22 min Scan# 2235
Delta R.T. 0.34 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:138 Resp: 56

Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#



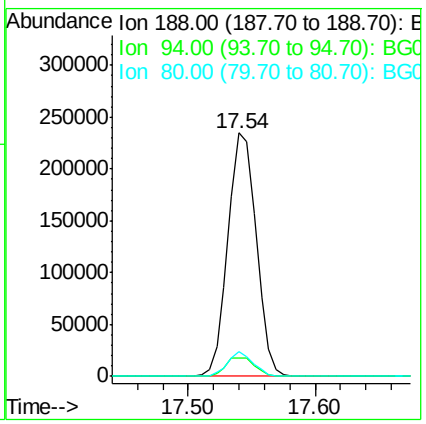


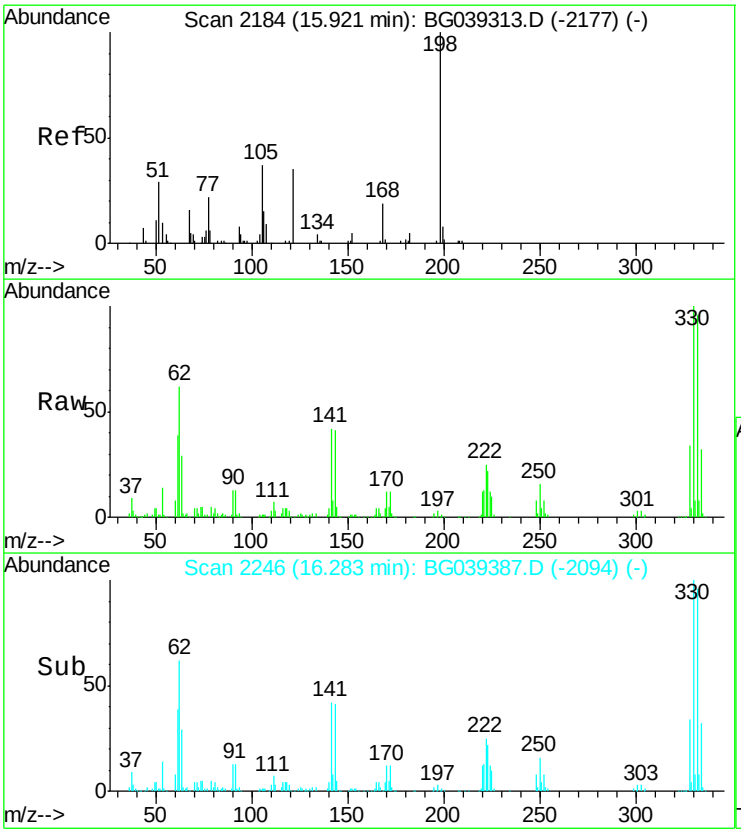
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:188 Resp: 361465

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	10.2	8.1	12.1

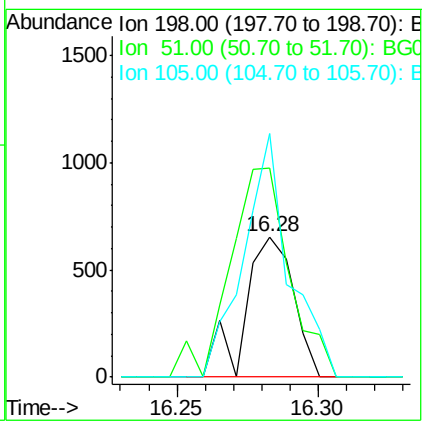


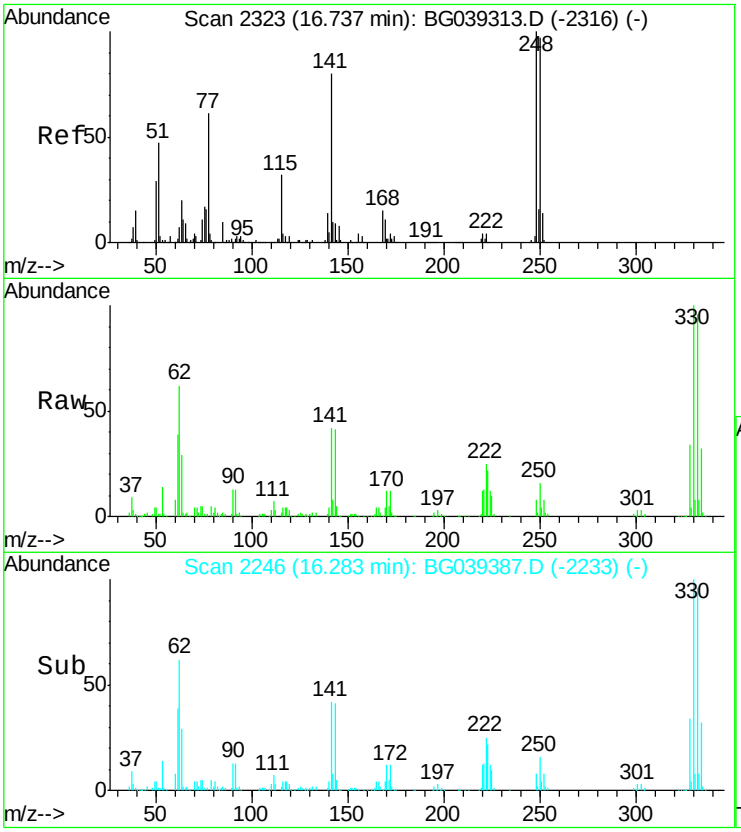


#65
4,6-Dinitro-2-methylphenol
Concen: 4.86 ng
RT: 16.28 min Scan# 2246
Delta R.T. 0.36 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:198 Resp: 777

Ion	Ratio	Lower	Upper
198	100		
51	149.0	27.4	67.4#
105	174.0	19.7	59.7#



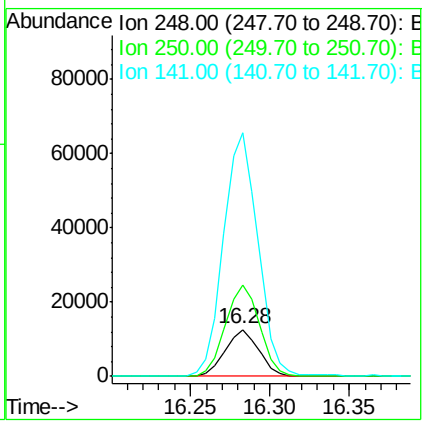


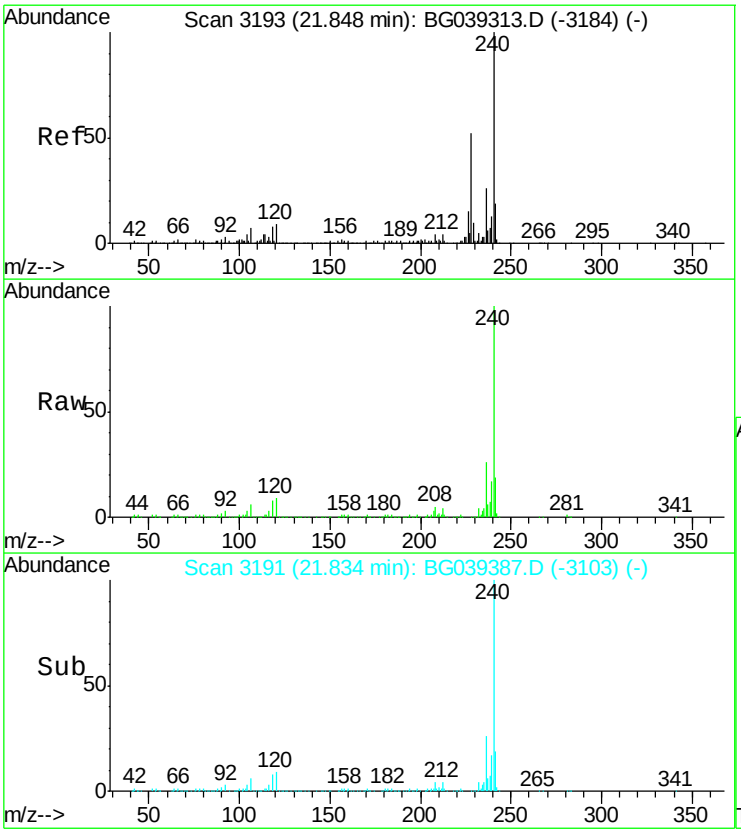
#67
4-Bromophenyl-phenylether
Concen: 4.63 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:248 Resp: 18571

Ion	Ratio	Lower	Upper
248	100		
250	196.0	77.6	116.4#
141	520.6	63.9	95.9#

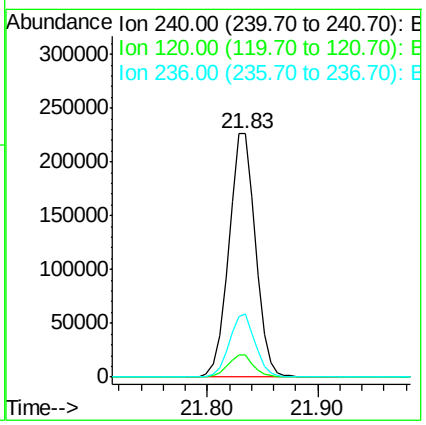


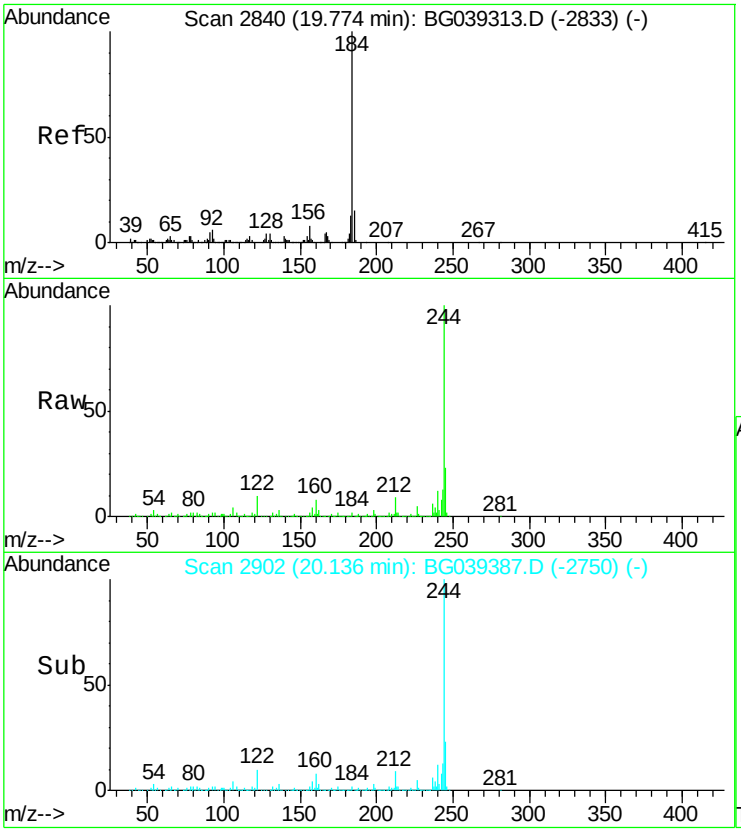


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:240 Resp: 382749

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.0	10.6
236	26.1	21.0	31.4



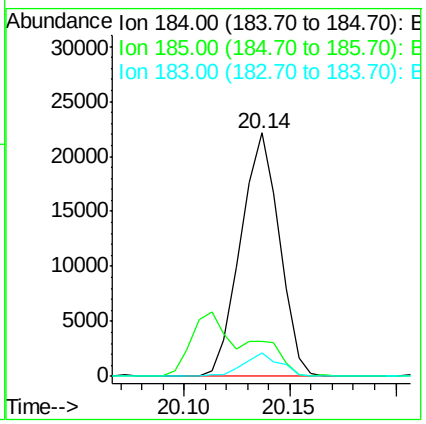


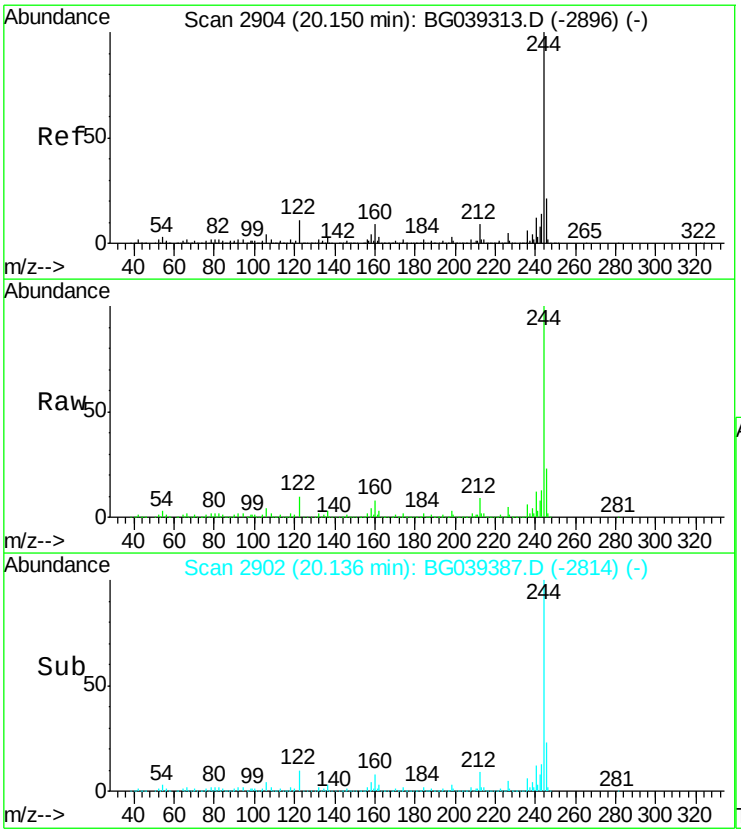
#77
Benzidine
Concen: 2.25 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:184 Resp: 28223

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.2	18.2
183	9.4	10.6	15.8#

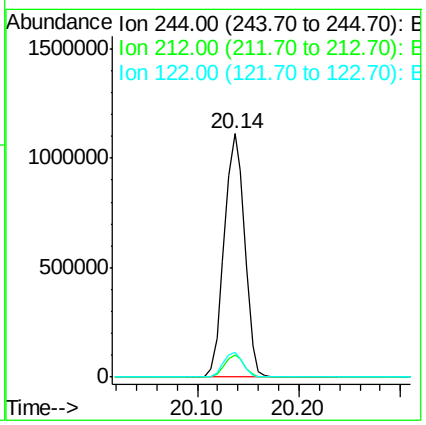


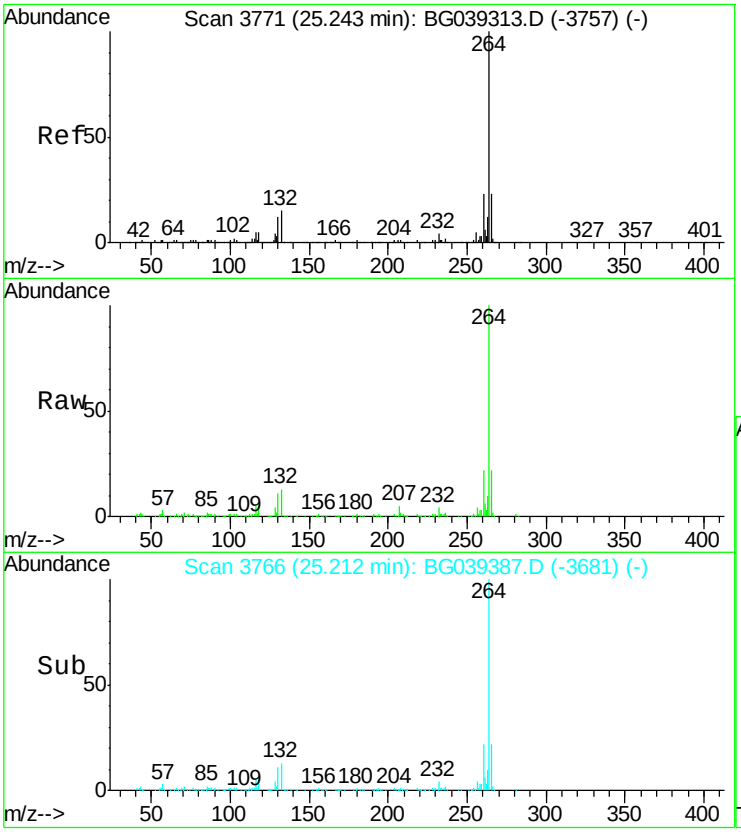


#79
Terphenyl-d14
Concen: 85.83 ng
RT: 20.14 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:244 Resp: 1552077

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	10.1	8.4	12.6





#87
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tgt Ion:264 Resp: 378139

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.2	27.4
265	22.2	18.5	27.7