Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
Data File : BG040681.D
Acq On : 30 Apr 2019 20:59
Operator : JU/SJ
Sample : K2598-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Apr 30 22:45:06 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	8.15	152	36918	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	148094	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	108613	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	288504	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	305667	20.00	ng	-0.02
87) Perylene-d12	25.16	264	332390	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	241882	115.49	ng	0.00
7) Phenol-d6	7.28	99	320420	99.37	ng	-0.01
23) Nitrobenzene-d5	9.32	82	318453	99.36	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	205436	137.61	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	677633	90.10	ng	-0.02
79) Terphenyl-d14	20.12	244	1406807	101.96	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.28	77	2572	Below Cal	#	41
19) n-Nitroso-di-n-propylamine	9.32	70	47585	16.393	ng	# 78
32) Benzoic acid	10.15	122	6840	4.344	ng	86
51) 2,6-Dinitrotoluene	14.77	165	14101	7.951	ng	# 14
57) 2,4-Dinitrotoluene	14.77	165	14101	5.851	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.25	198	795	7.578	ng	# 71
67) 4-Bromophenyl-phenylether	16.26	248	15581	4.335	ng	# 1
77) Benzidine	20.12	184	27670	3.306	ng	# 90

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

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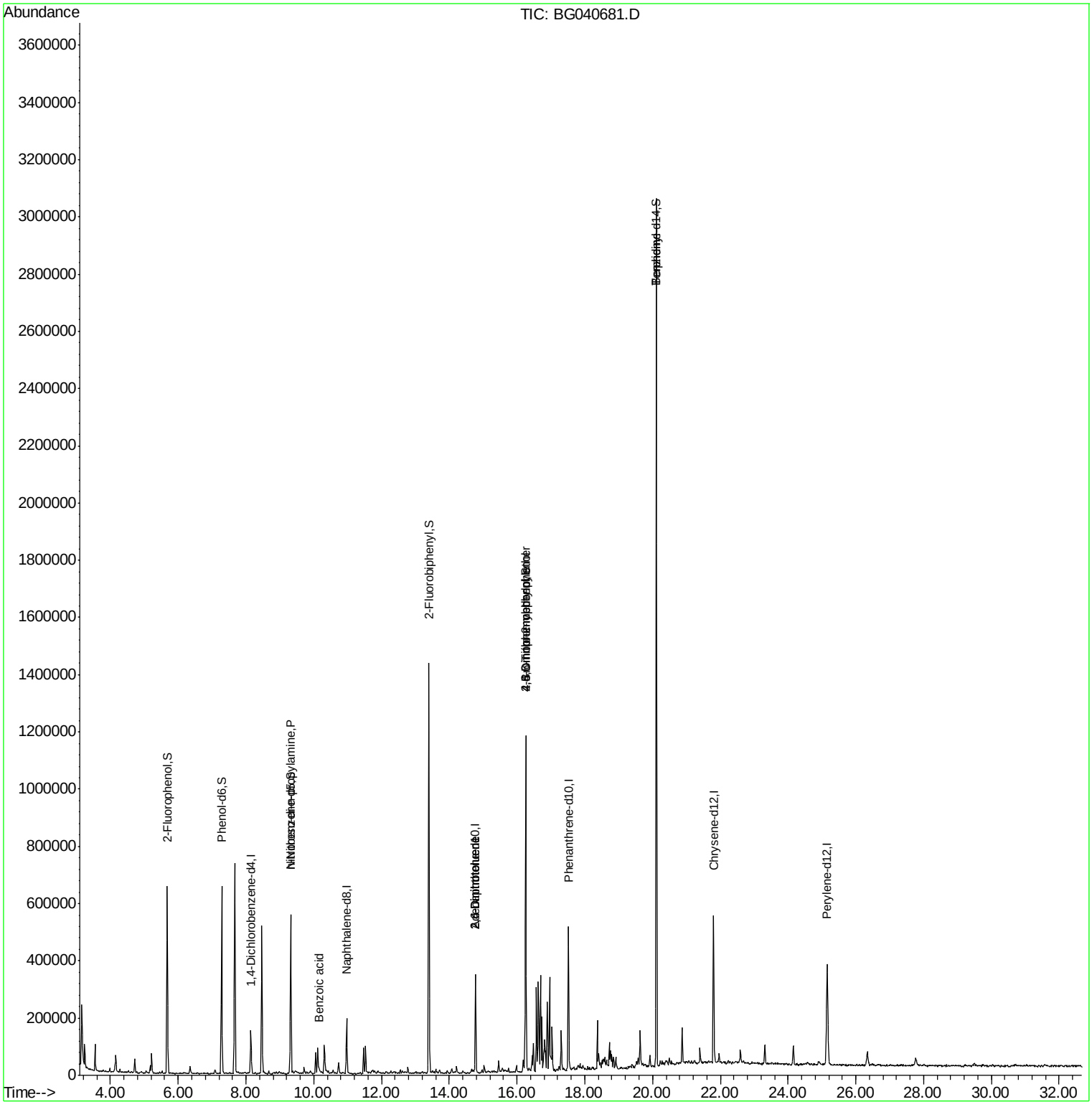
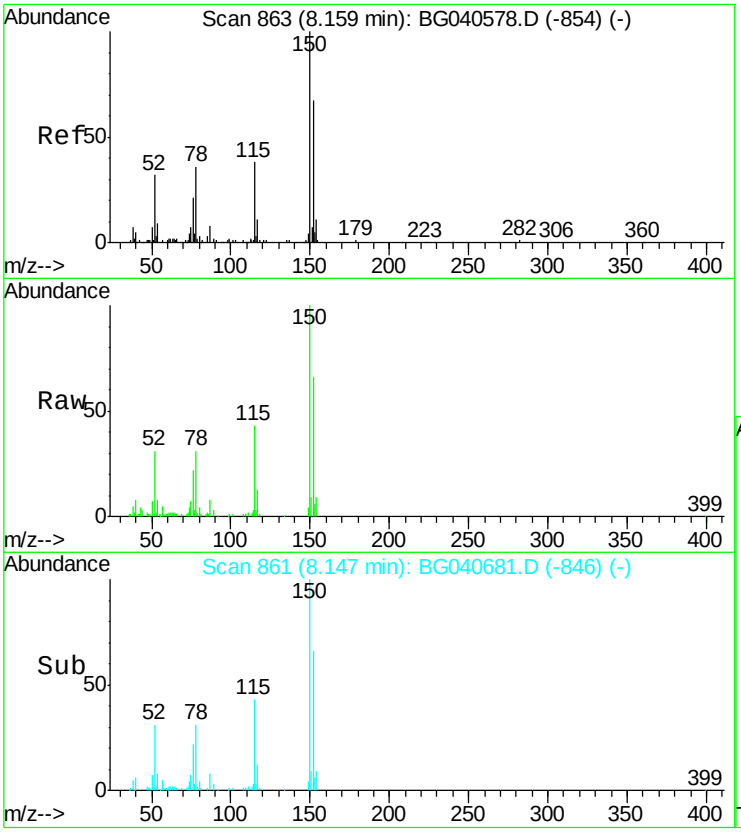


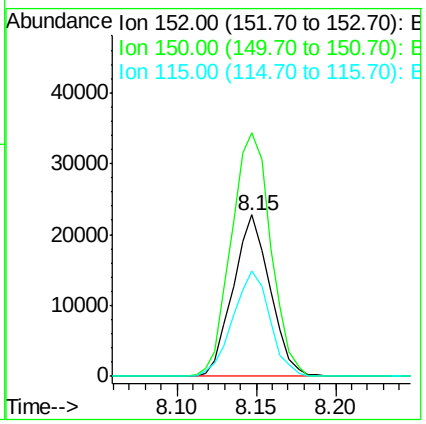


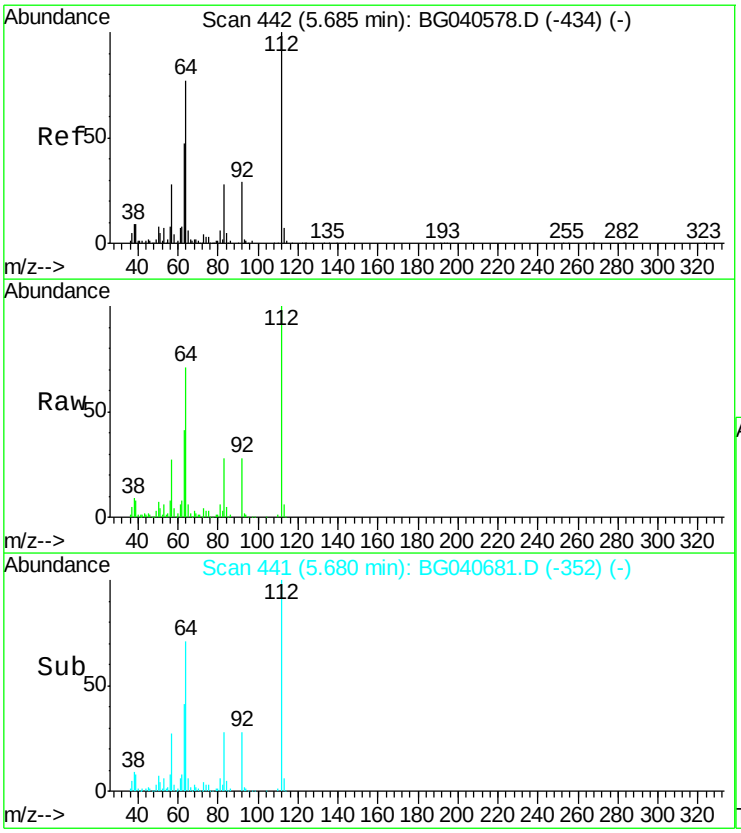
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 36918

Ion	Ratio	Lower	Upper
152	100		
150	150.7	120.2	180.2
115	65.2	46.2	69.2

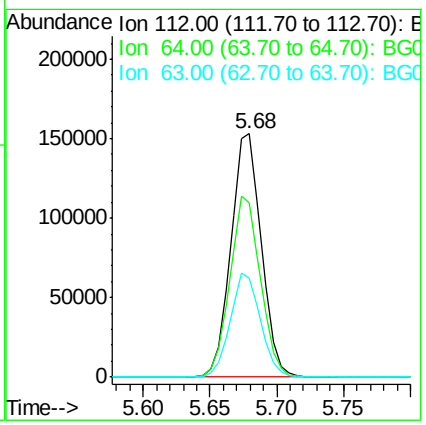


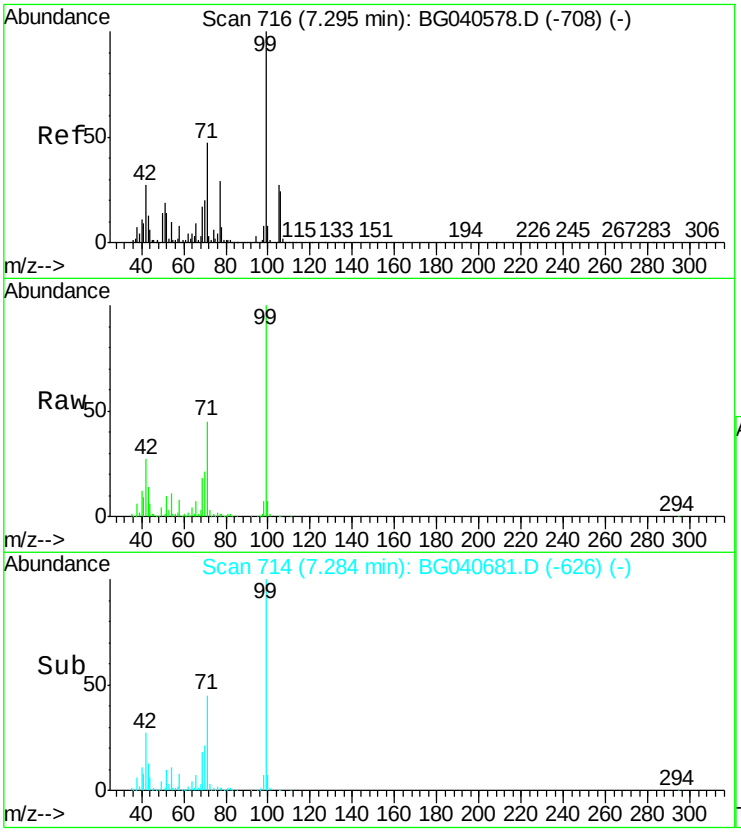


#5
2-Fluorophenol
Concen: 115.494 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:112 Resp: 241882

Ion	Ratio	Lower	Upper
112	100		
64	71.4	61.4	92.0
63	40.9	37.8	56.6



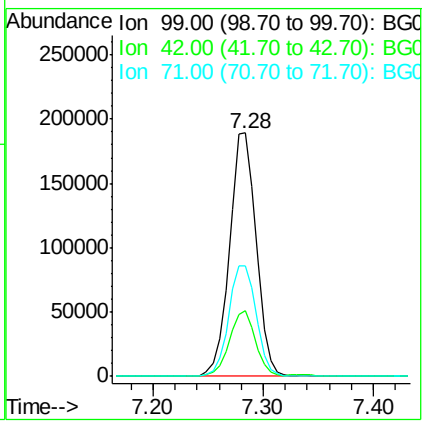


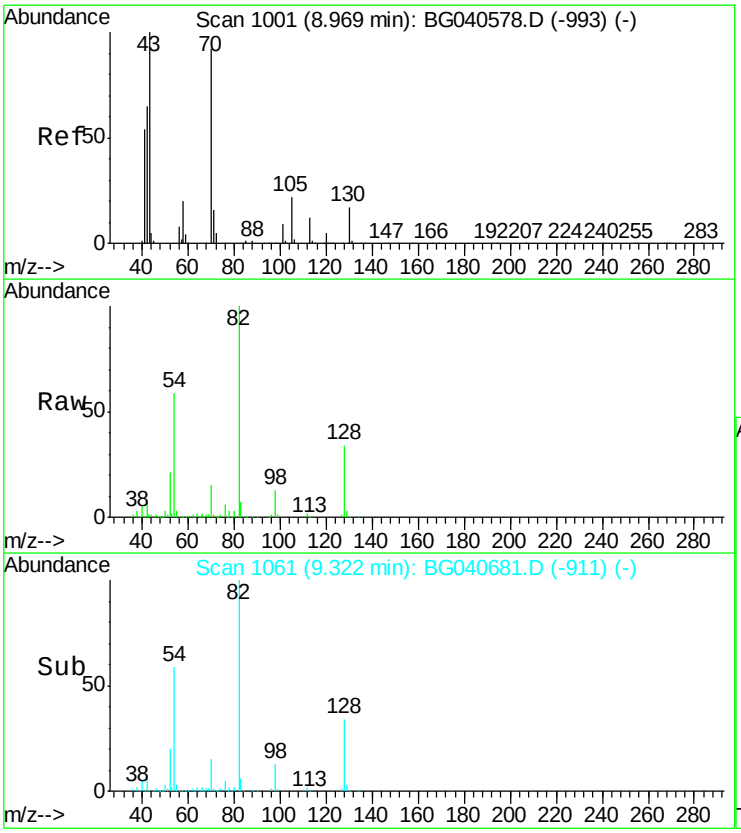
#7
Phenol-d6
Concen: 99.365 ng
RT: 7.28 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 320420

Ion	Ratio	Lower	Upper
99	100		
42	26.8	21.8	32.8
71	45.2	38.6	57.8

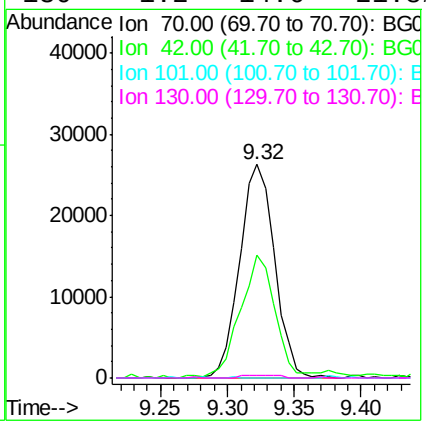


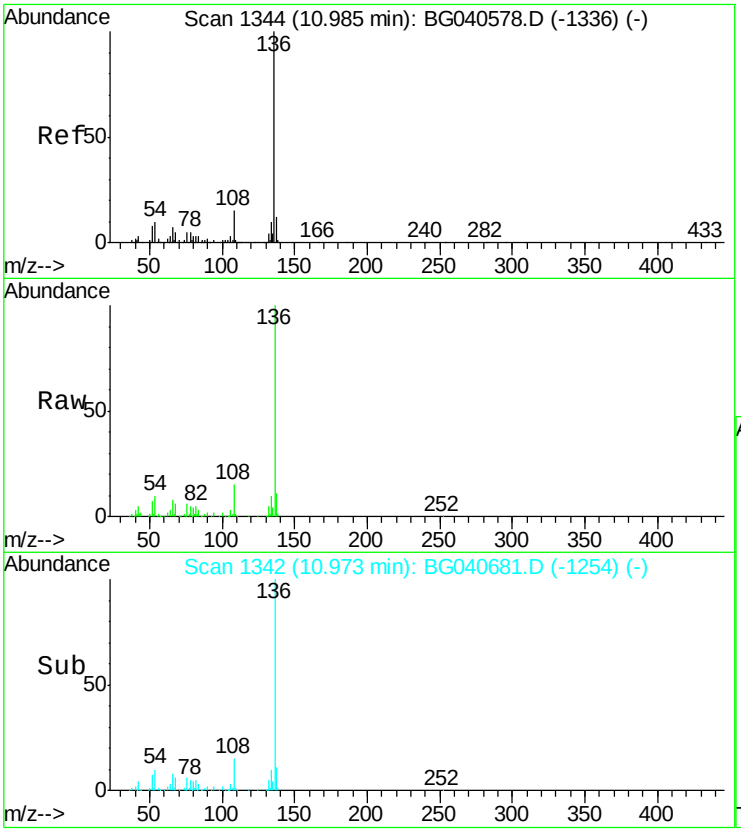


#19
n-Nitroso-di-n-propylamine
Concen: 16.393 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion: 70 Resp: 47585

Ion	Ratio	Lower	Upper
70	100		
42	57.4	57.1	85.7
101	0.0	7.8	11.8#
130	1.2	14.6	21.8#



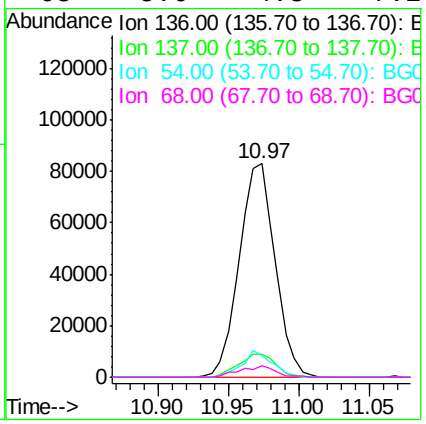


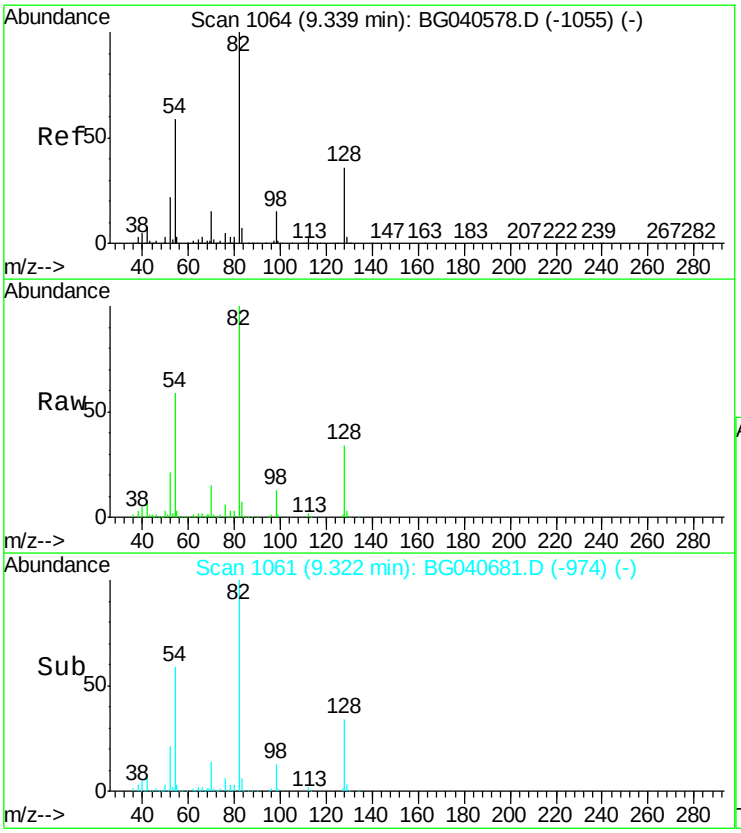
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 148094

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.7	14.5
54	10.1	8.6	12.8
68	5.6	4.8	7.2

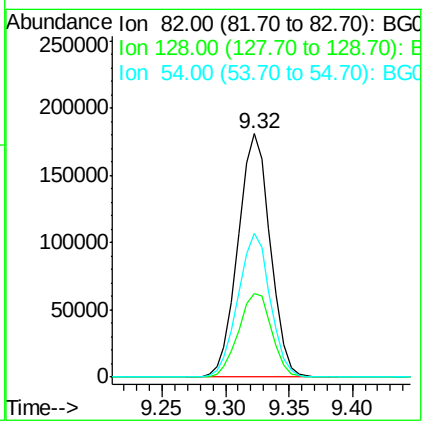


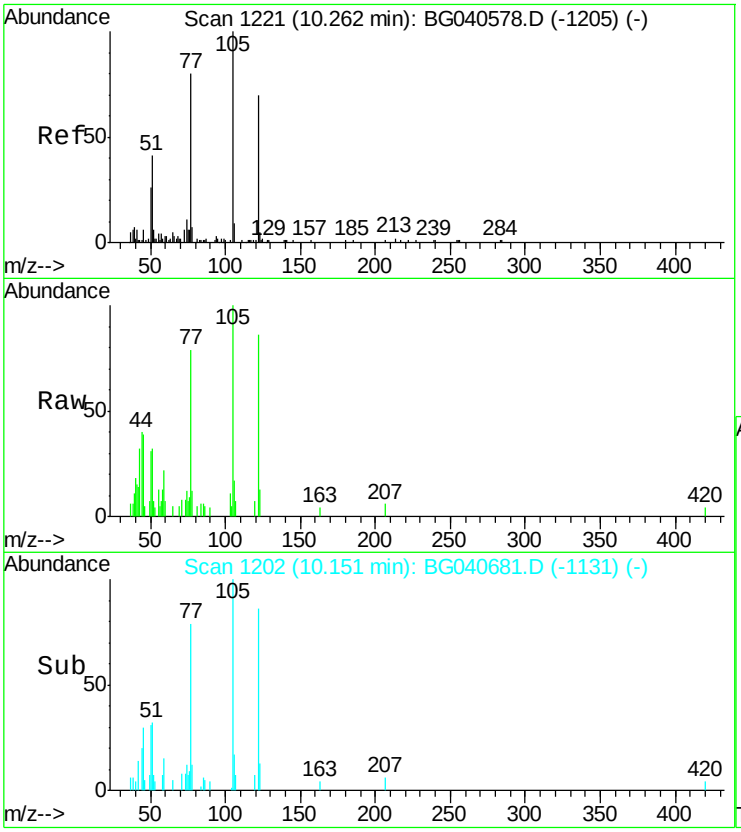


#23
Nitrobenzene-d5
Concen: 99.359 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion: 82 Resp: 318453

Ion	Ratio	Lower	Upper
82	100		
128	34.3	28.9	43.3
54	58.9	47.2	70.8



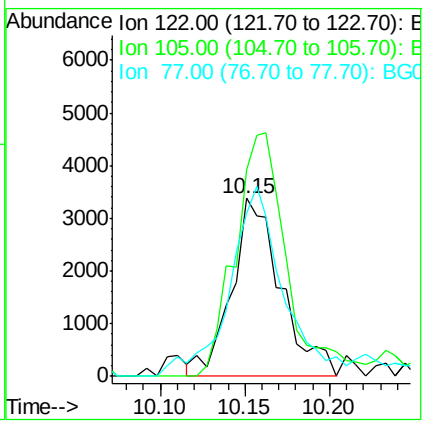


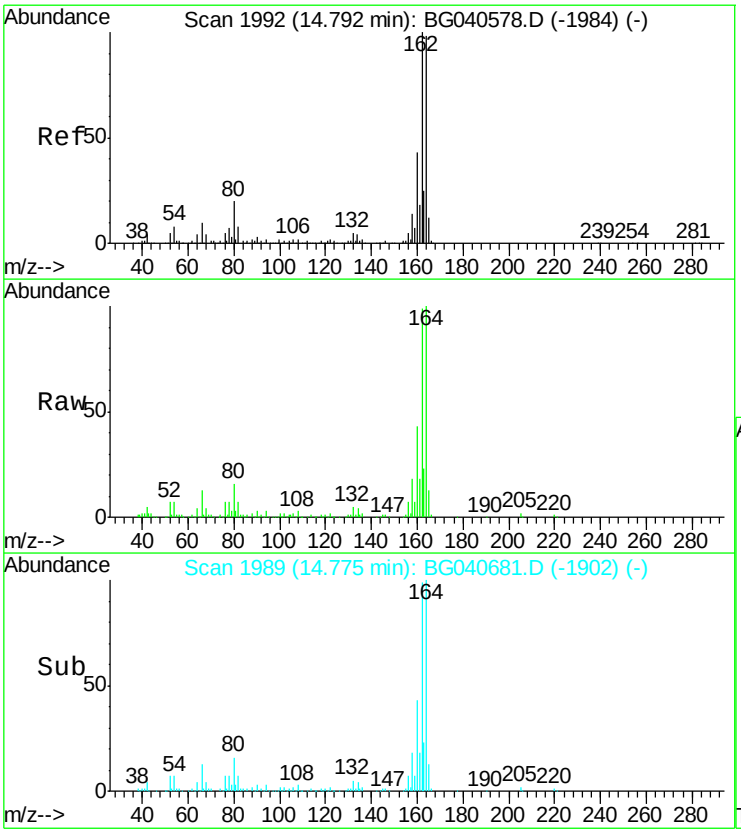
#32
Benzoic acid
Concen: 4.344 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.11 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:122 Resp: 6840

Ion	Ratio	Lower	Upper
122	100		
105	115.8	110.9	150.9
77	91.6	87.6	127.6

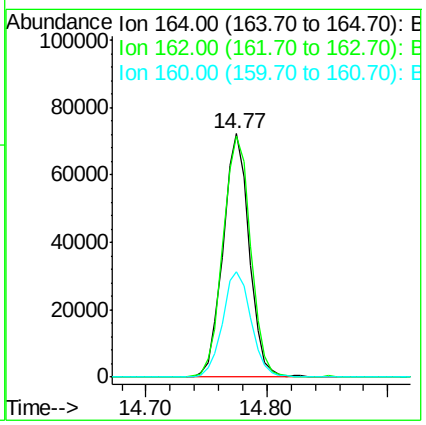


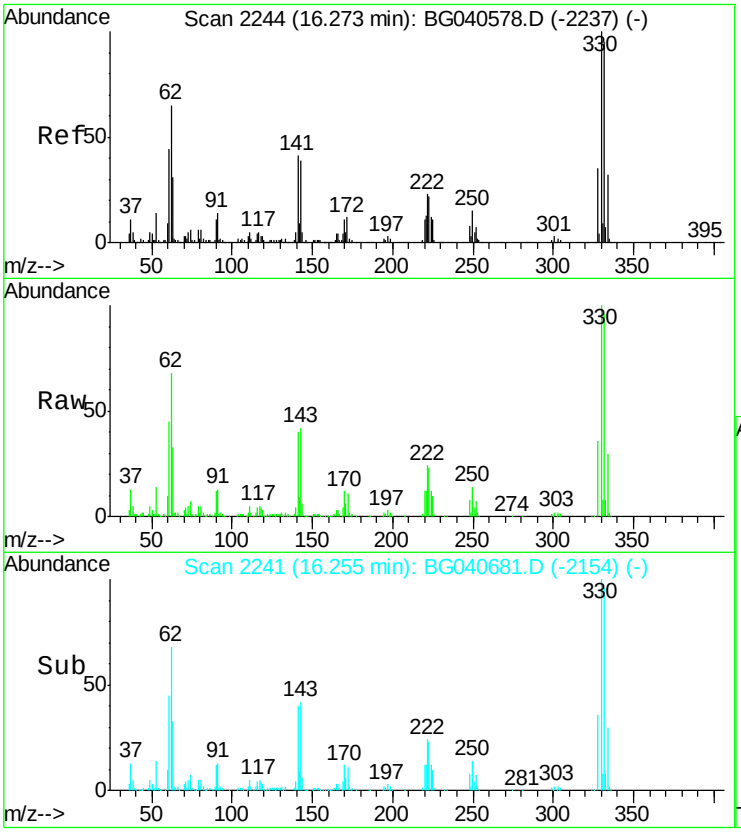


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:164 Resp: 108613

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.9	122.9
160	43.5	35.4	53.2



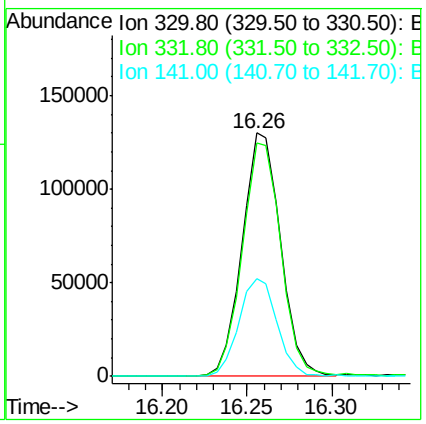


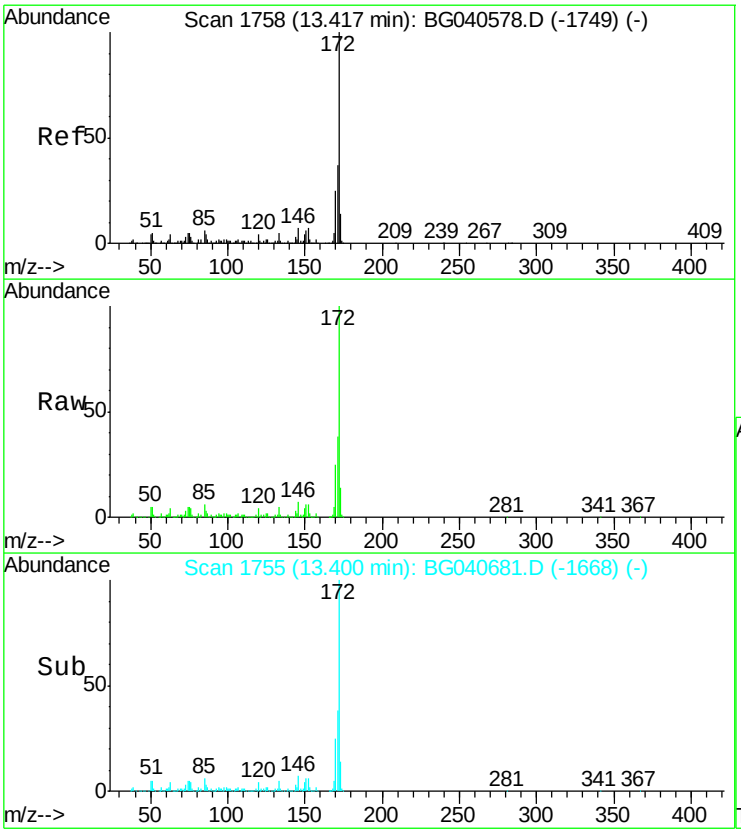
#42
2,4,6-Tribromophenol
Concen: 137.608 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:330 Resp: 205436

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	40.7	32.4	48.6

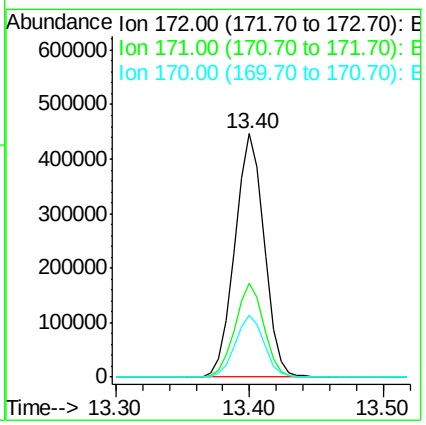


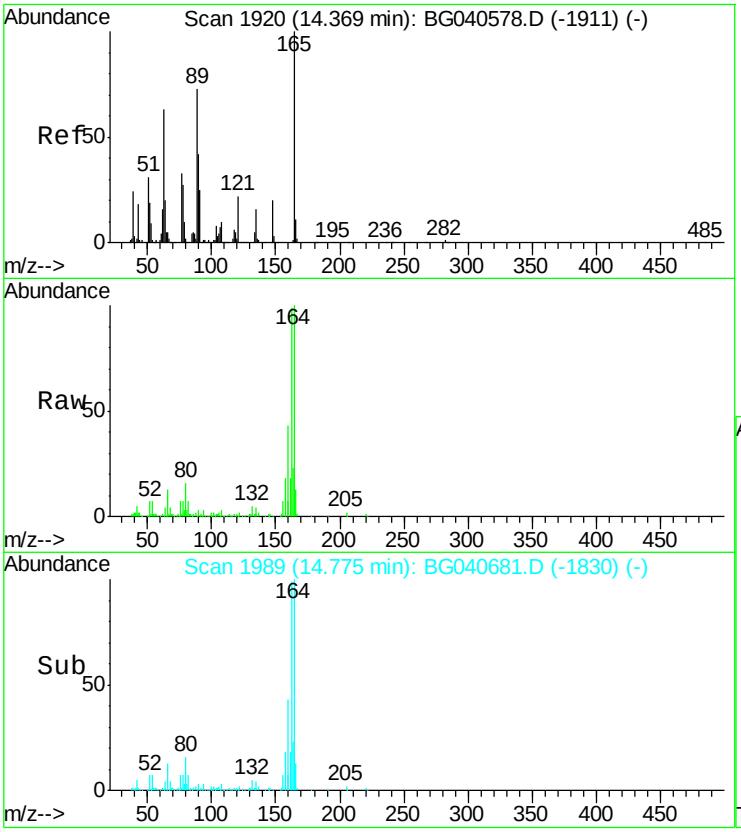


#45
2-Fluorobiphenyl
Concen: 90.103 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:172 Resp: 677633

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	25.5	19.9	29.9



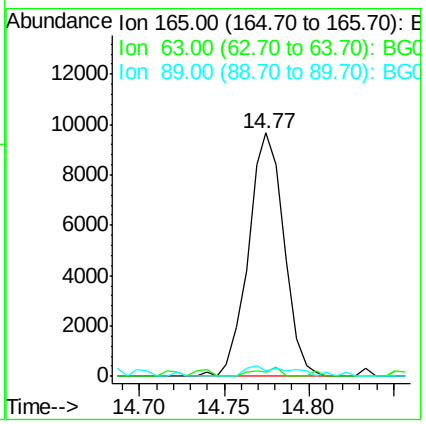


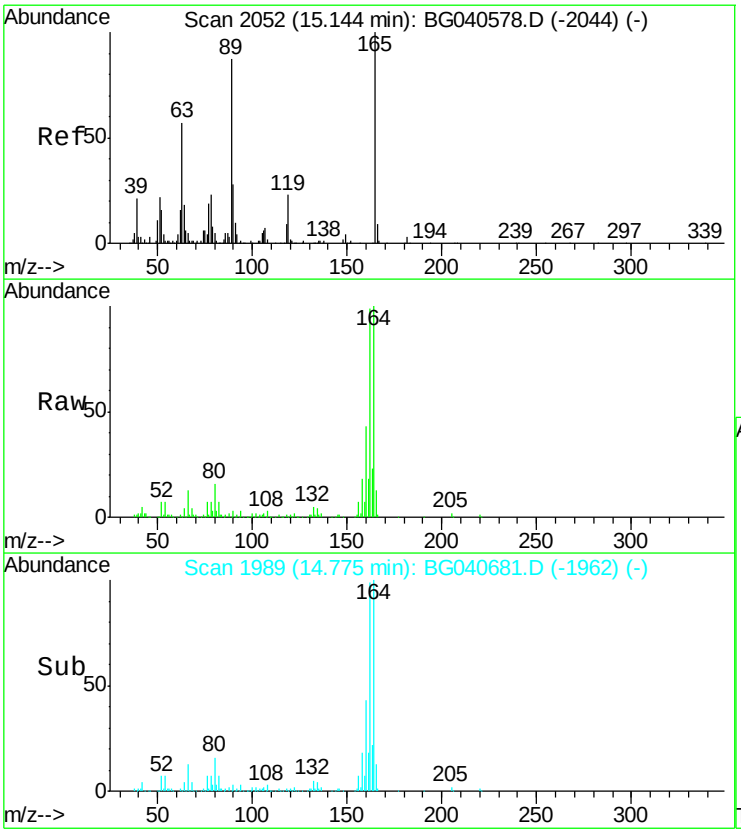
#51
2,6-Dinitrotoluene
Concen: 7.951 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 14101

Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	2.0	58.6	87.8#

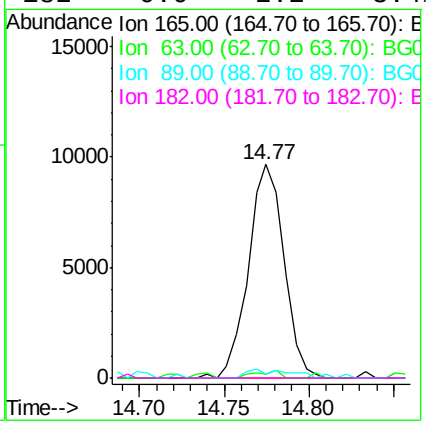


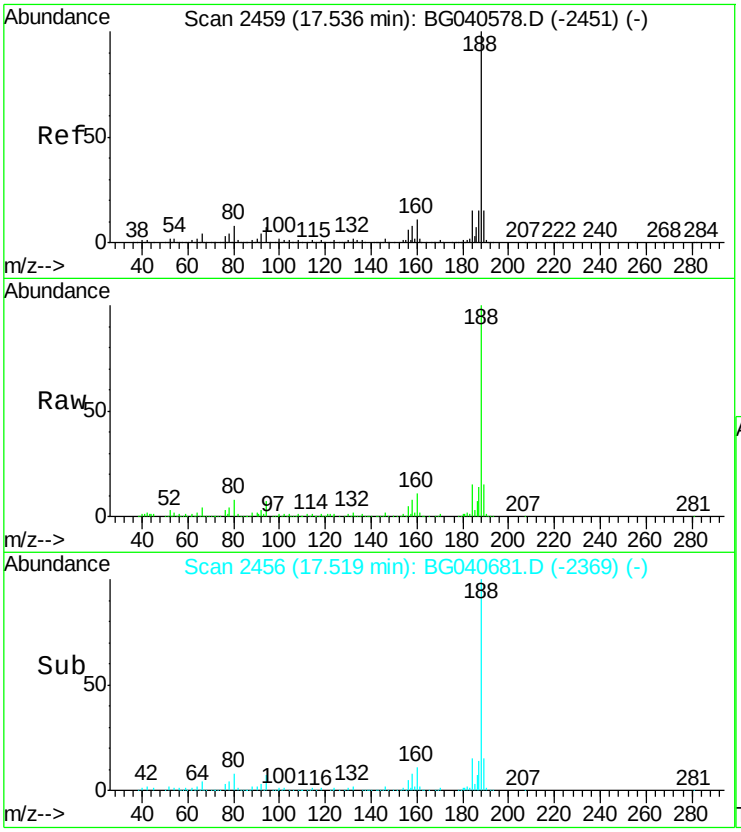


#57
2,4-Dinitrotoluene
Concen: 5.851 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:165 Resp: 14101

Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.8	68.8#
89	2.0	69.4	104.2#
182	0.0	2.2	3.4#



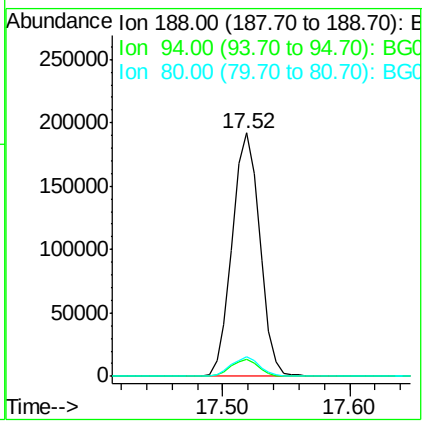


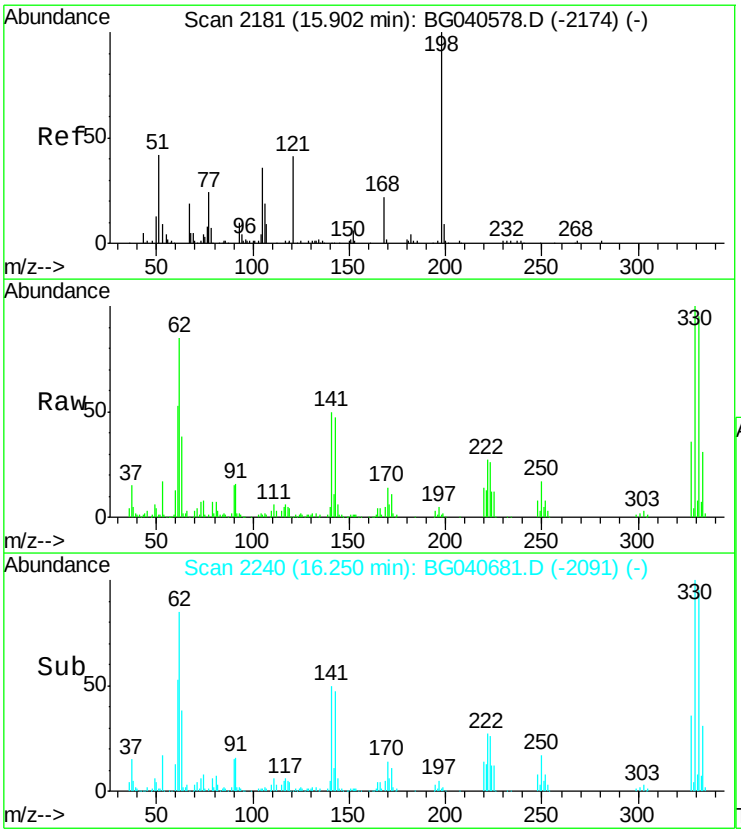
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 288504

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.6	8.4
80	8.0	6.4	9.6

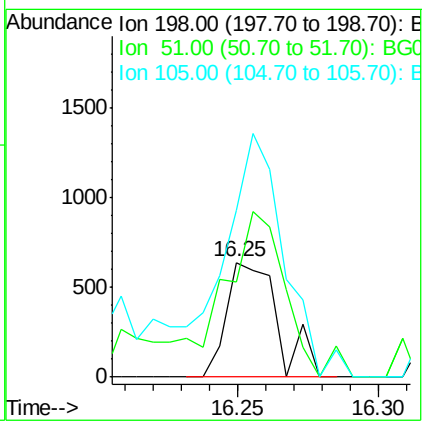


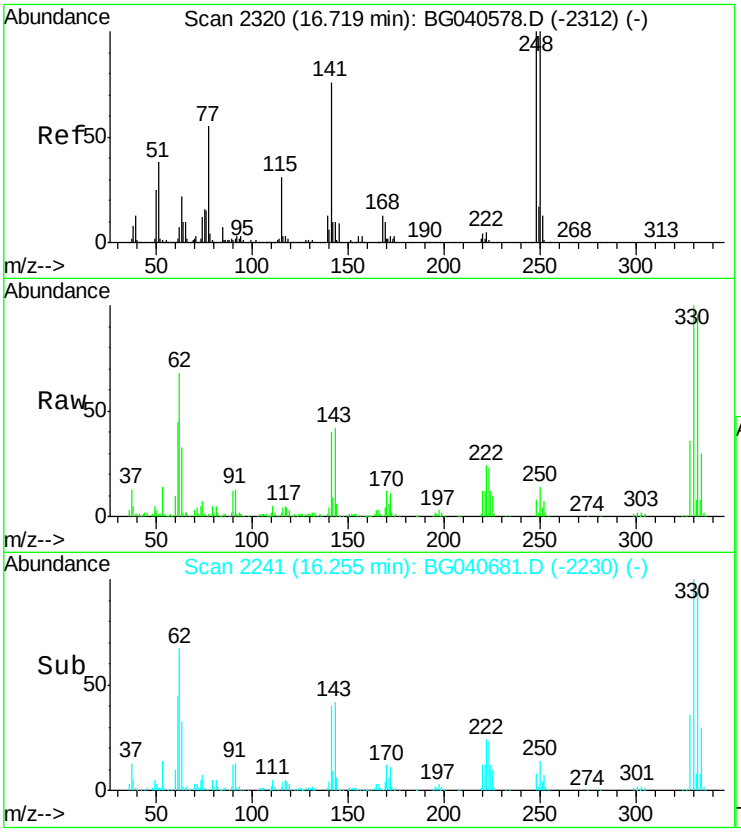


#65
4,6-Dinitro-2-methylphenol
Concen: 7.578 ng
RT: 16.25 min Scan# 2240
Delta R.T. 0.35 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:198 Resp: 795

Ion	Ratio	Lower	Upper
198	100		
51	21.9	35.9	75.9#
105	38.2	21.2	61.2



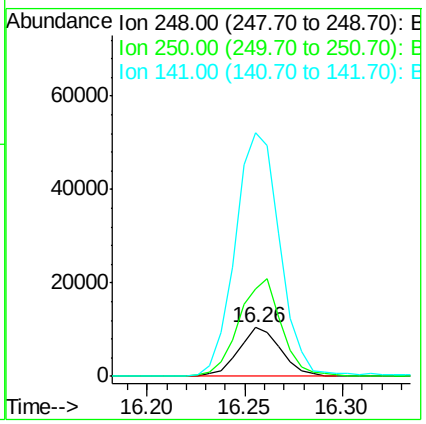


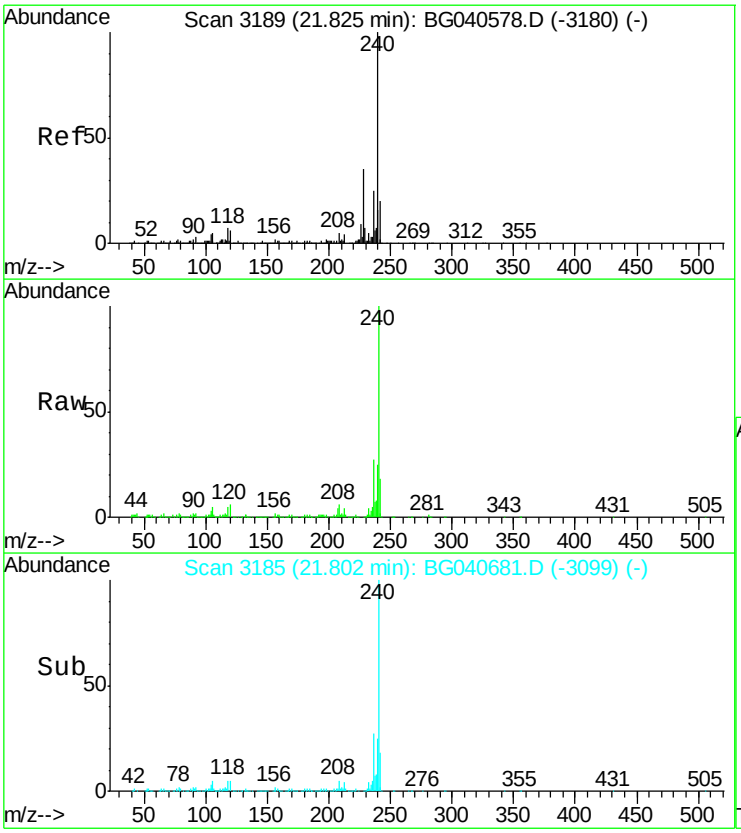
#67
4-Bromophenyl-phenylether
Concen: 4.335 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:248 Resp: 15581

Ion	Ratio	Lower	Upper
248	100		
250	180.8	79.8	119.6#
141	502.7	60.8	91.2#

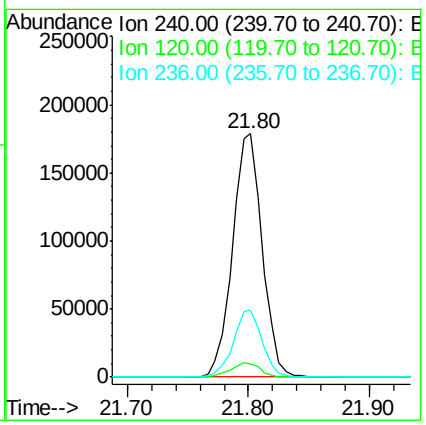


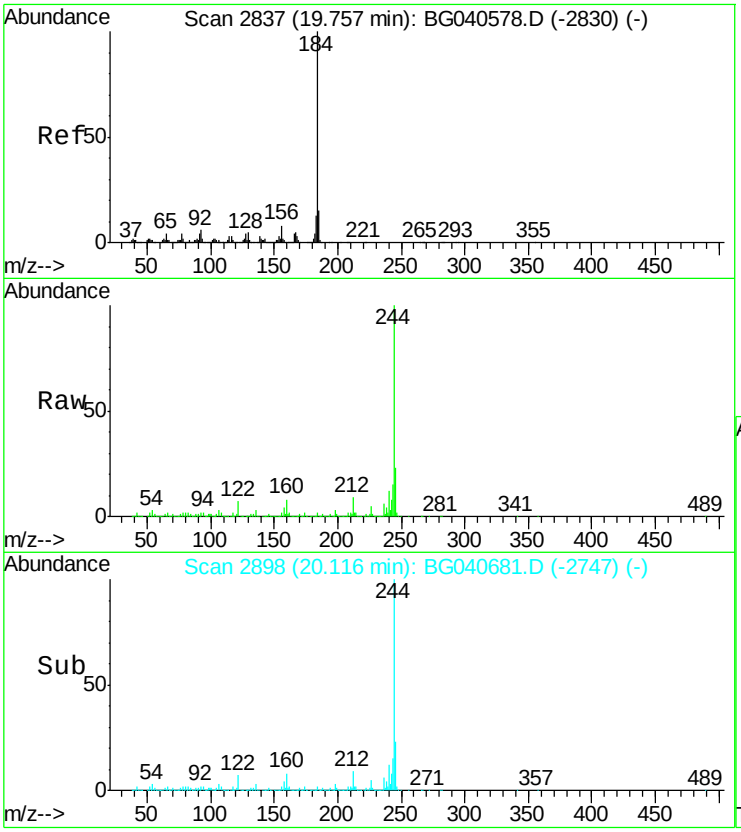


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:240 Resp: 305667

Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.0	7.6
236	27.4	20.3	30.5



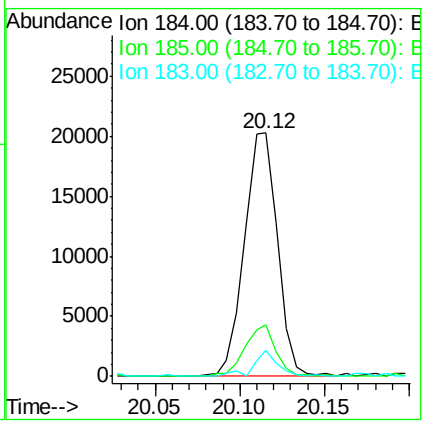


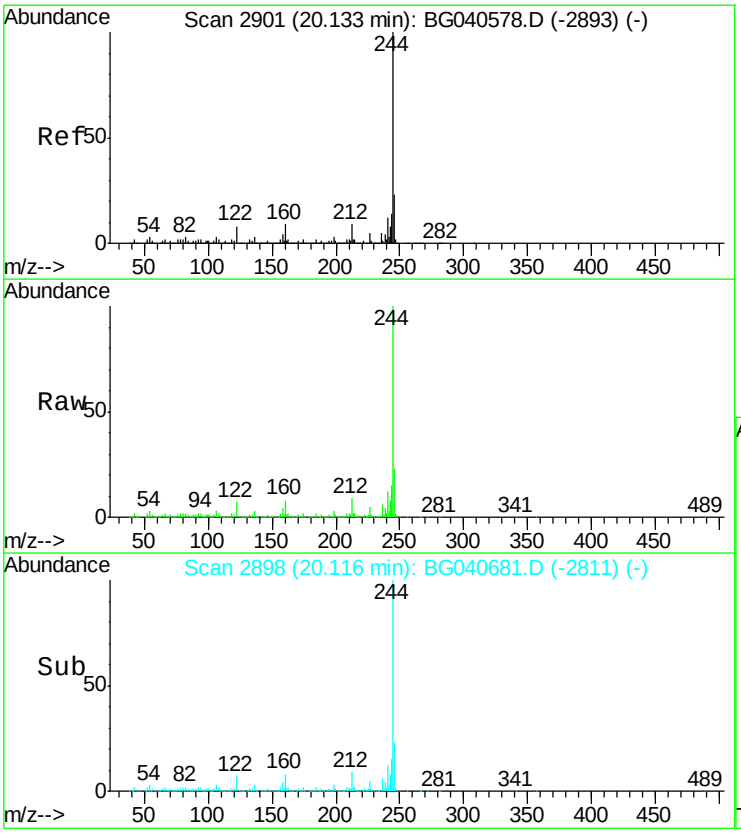
#77
Benzidine
Concen: 3.306 ng
RT: 20.12 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 27670

Ion	Ratio	Lower	Upper
184	100		
185	21.0	11.8	17.8#
183	10.9	10.2	15.2

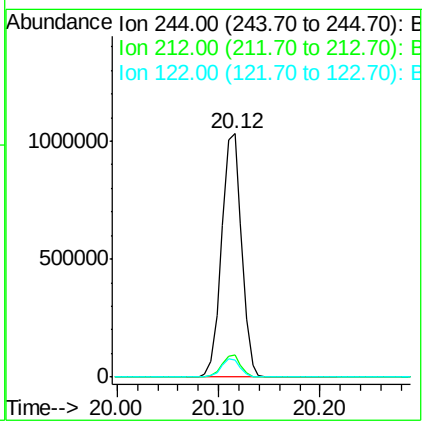


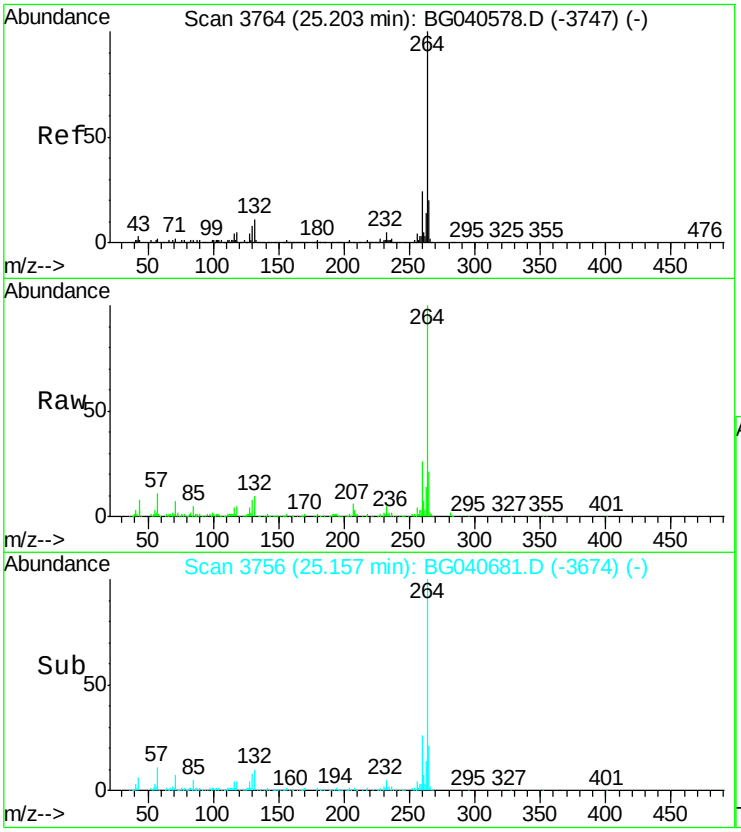


#79
Terphenyl-d14
Concen: 101.963 ng
RT: 20.12 min Scan# 2898
Delta R.T. -0.02 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Tgt Ion:244 Resp: 1406807

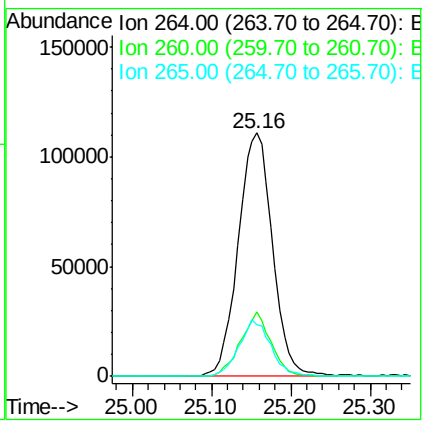
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.2	10.8
122	7.0	6.6	10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040681.D
Acq: 30 Apr 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 332390

Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.2	28.8
265	21.0	16.6	25.0