Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040968.D
Acq On : 31 May 2019 2:31
Operator : HP/JU
Sample : K3041-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 31 04:05:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	64767	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	241436	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	168908	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	456197	20.00	ng	0.00
76) Chrysene-d12	21.78	240	469806	20.00	ng	0.00
87) Perylene-d12	25.11	264	488852	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	446116	124.21	ng	0.00
7) Phenol-d6	7.26	99	567384	102.28	ng	0.00
23) Nitrobenzene-d5	9.30	82	484617	89.11	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	366168	146.03	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1007167	85.87	ng	0.00
79) Terphenyl-d14	20.09	244	2000736	90.38	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	68378	16.018	ng	# 79
32) Benzoic acid	10.17	122	54	8.145	ng	# 1
41) Hexachlorocyclopentadiene	12.91	237	64	8.251	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	22105	7.170	ng	# 20
54) 2,4-Dinitrophenol	14.55	184	54	8.293	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	22105	5.076	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	1121	8.966	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	27236	4.424	ng	# 1
77) Benzidine	20.09	184	36957	3.298	ng	# 94

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

Quantitation Report (Not Reviewed)

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Acq On : 31 May 2019 2:31
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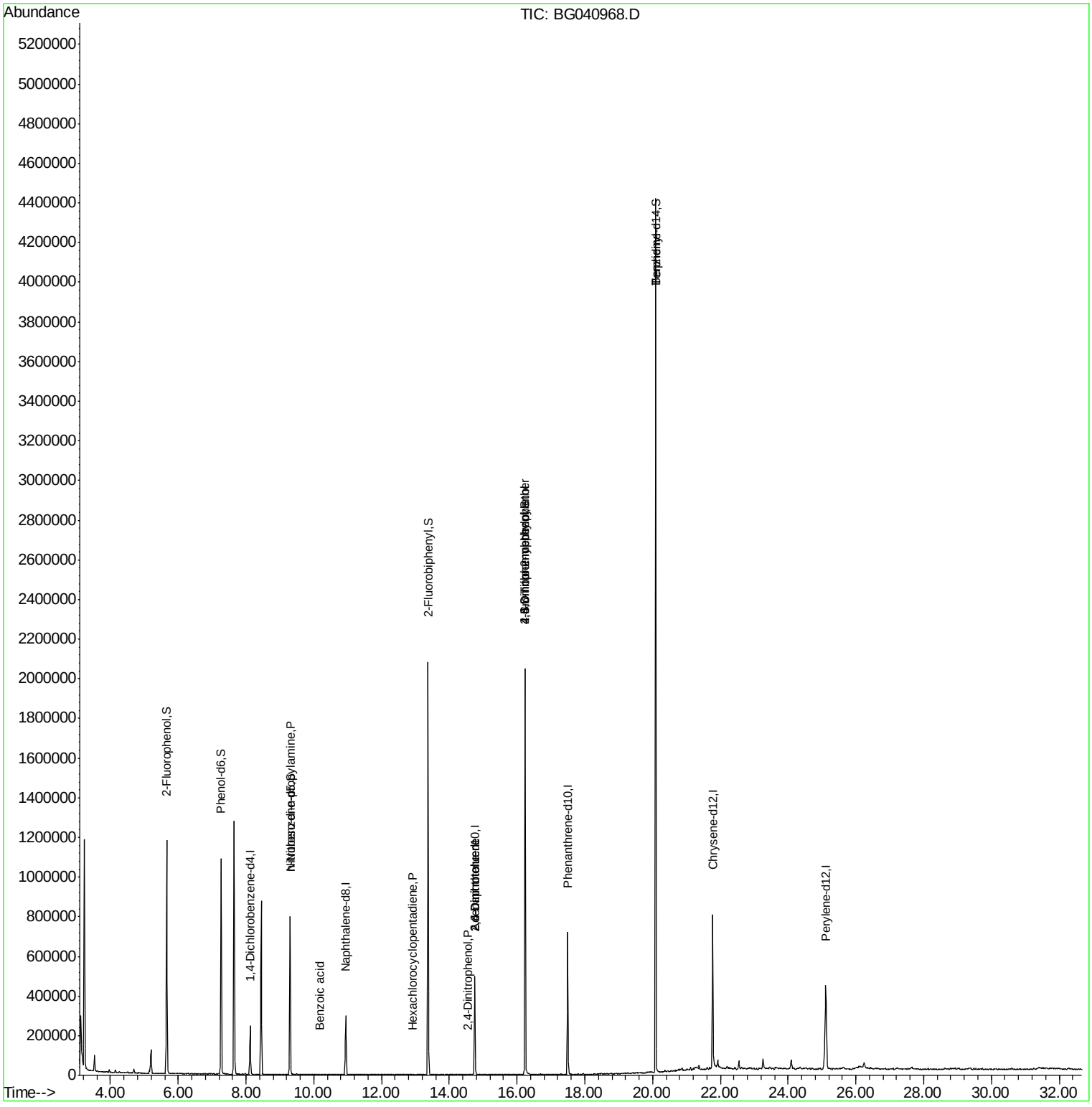
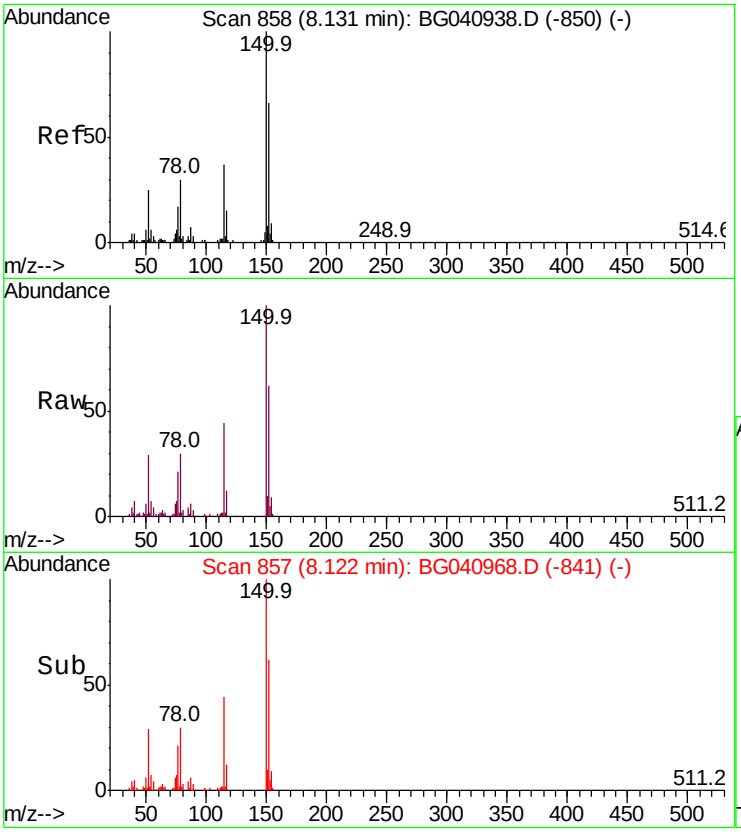
ClientSampleId :

Quant Time: May 31 04:05:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



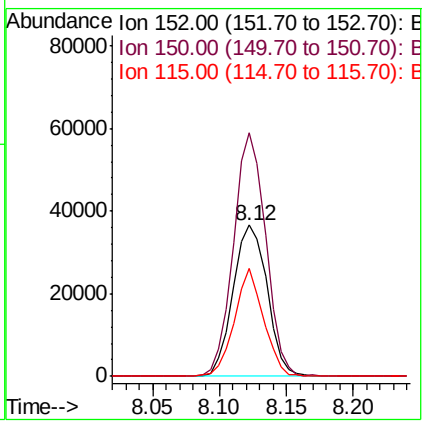


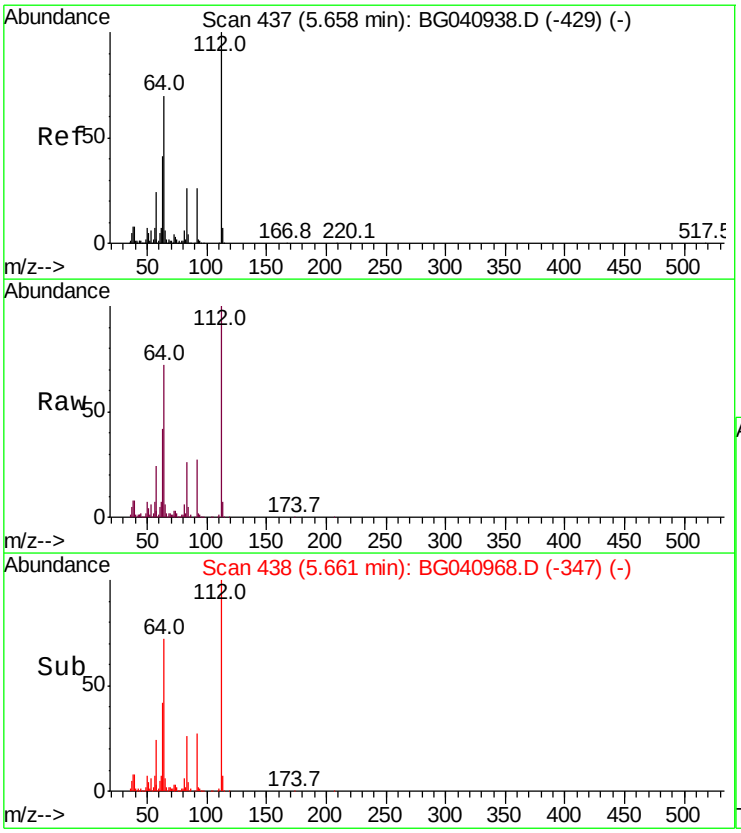
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 64767

Ion	Ratio	Lower	Upper
152	100		
150	161.1	120.6	180.8
115	71.2	45.1	67.7#

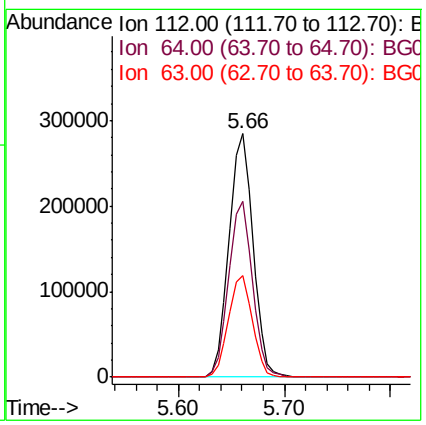


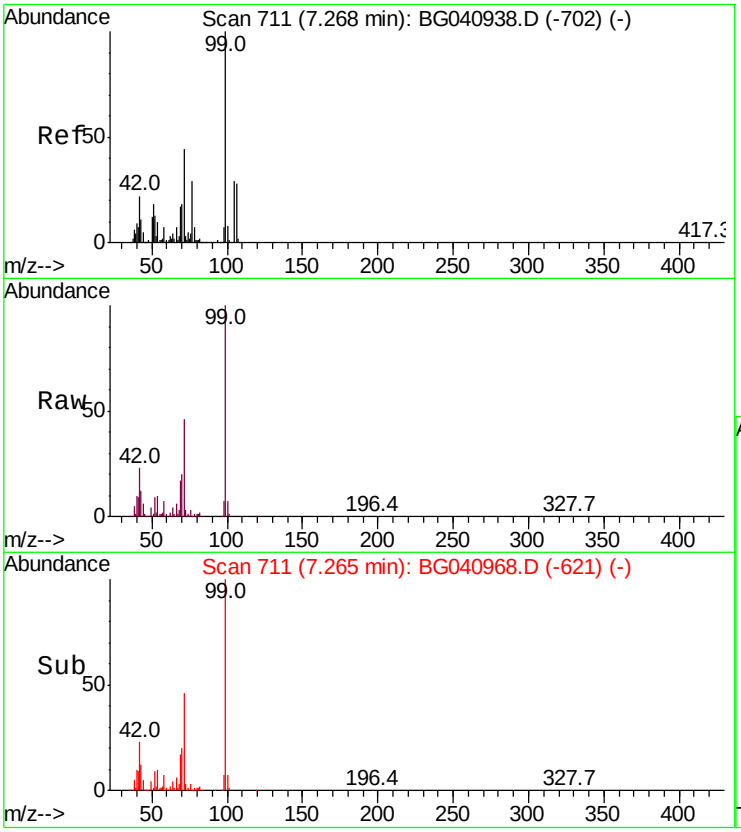


#5
2-Fluorophenol
Concen: 124.205 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:112 Resp: 446116

Ion	Ratio	Lower	Upper
112	100		
64	72.1	56.2	84.2
63	41.7	32.8	49.2



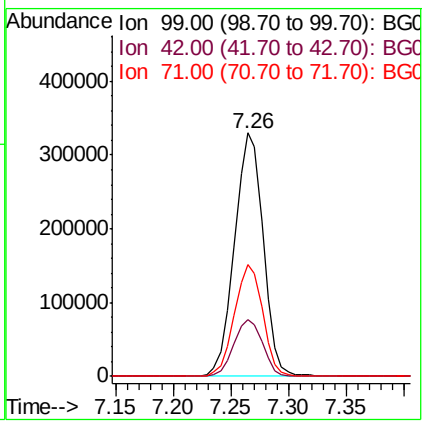


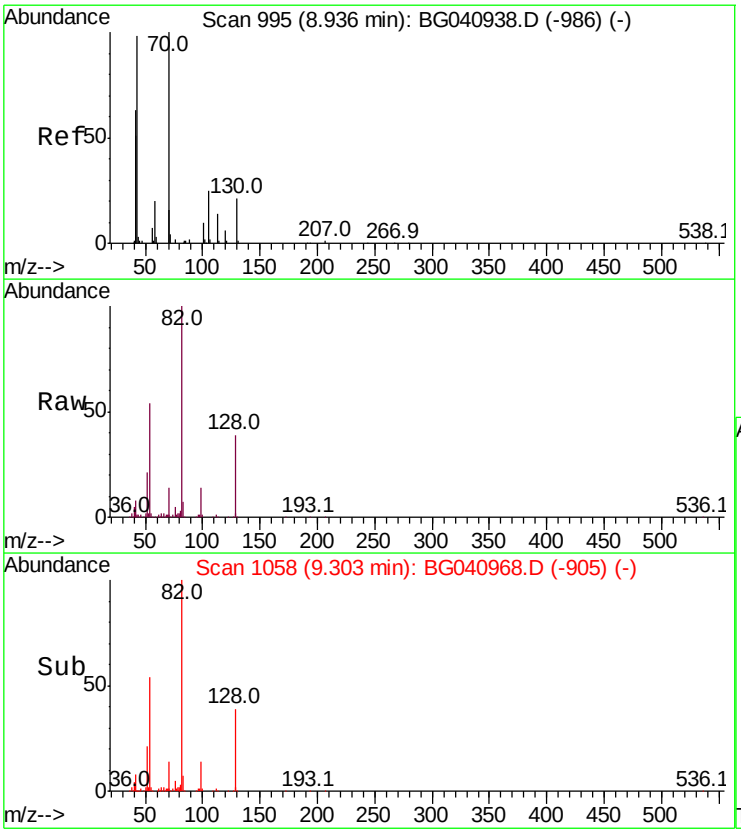
#7
Phenol-d6
Concen: 102.285 ng
RT: 7.26 min Scan# 711
Delta R.T. -0.00 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 567384

Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.9	26.9
71	46.2	35.4	53.0

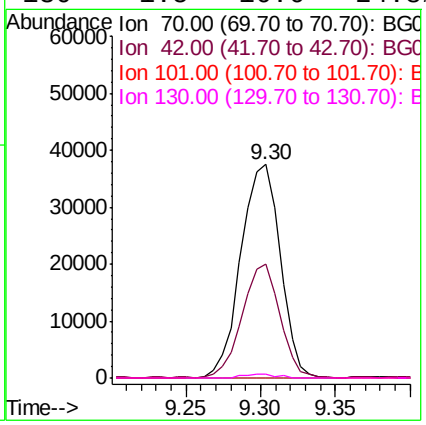


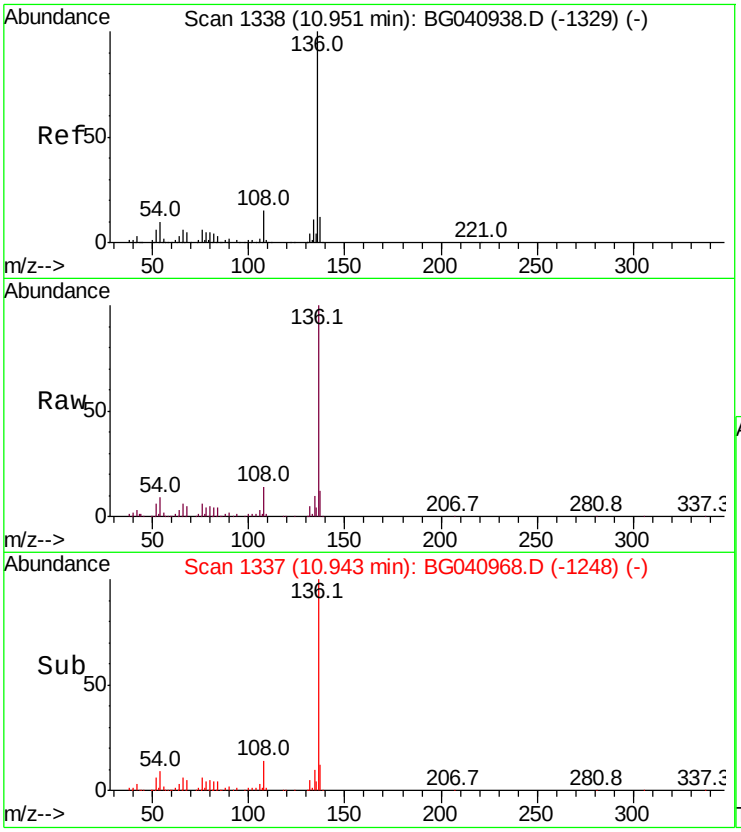


#19
n-Nitroso-di-n-propylamine
Concen: 16.018 ng
RT: 9.30 min Scan# 1058
Delta R.T. 0.37 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion: 70 Resp: 68378

Ion	Ratio	Lower	Upper
70	100		
42	53.2	51.5	77.3
101	0.0	8.1	12.1#
130	1.5	16.6	24.8#



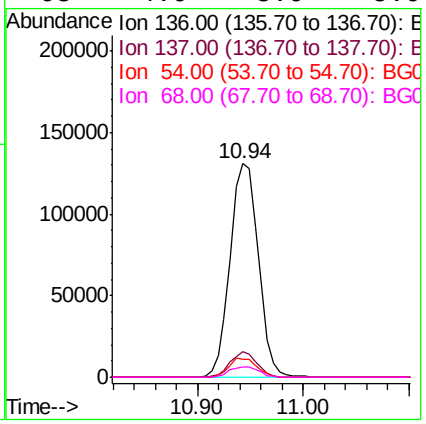


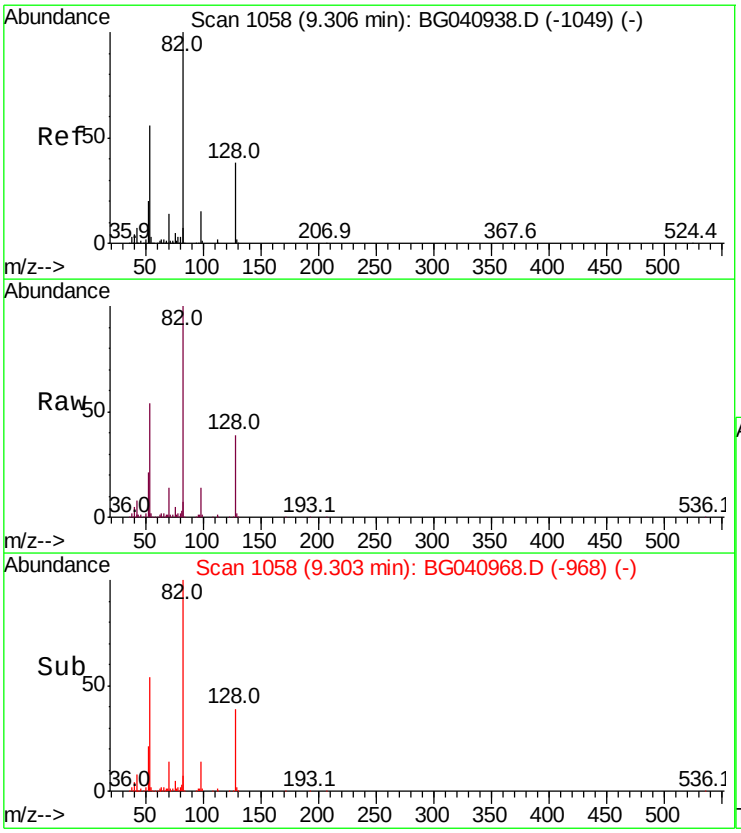
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 241436

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	8.7	7.6	11.4
68	4.9	3.9	5.9

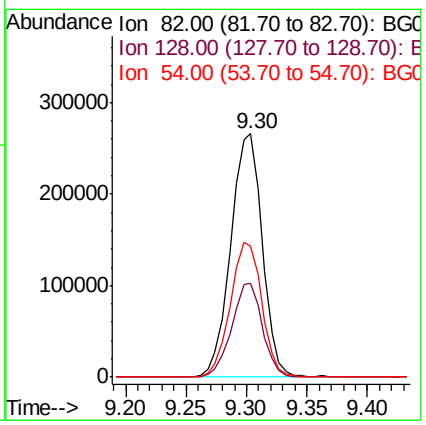


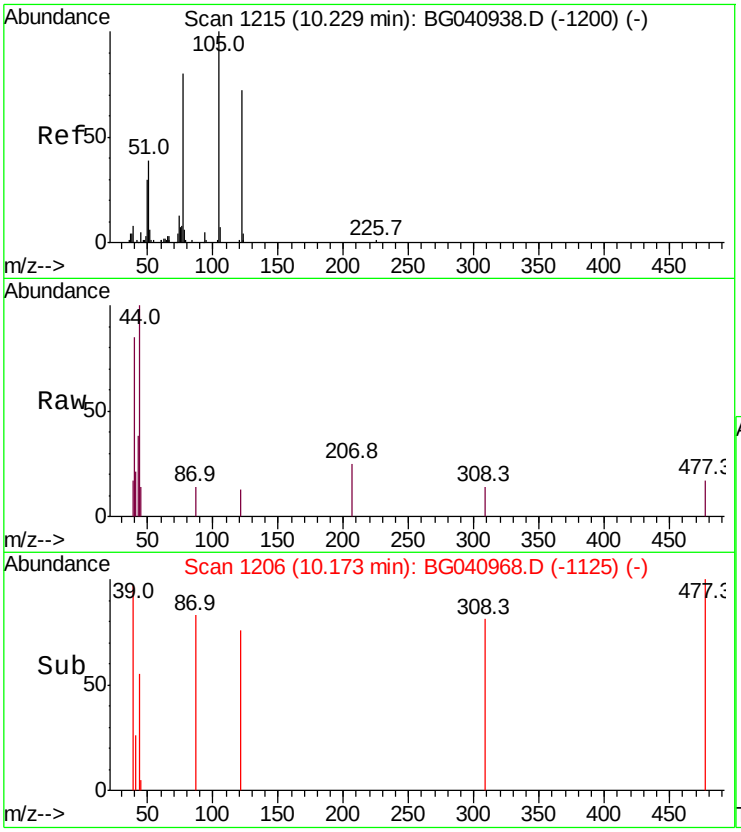


#23
Nitrobenzene-d5
Concen: 89.108 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion: 82 Resp: 484617

Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.5	45.7
54	54.0	44.6	66.8



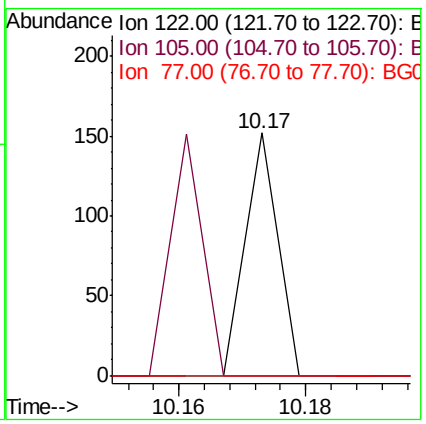


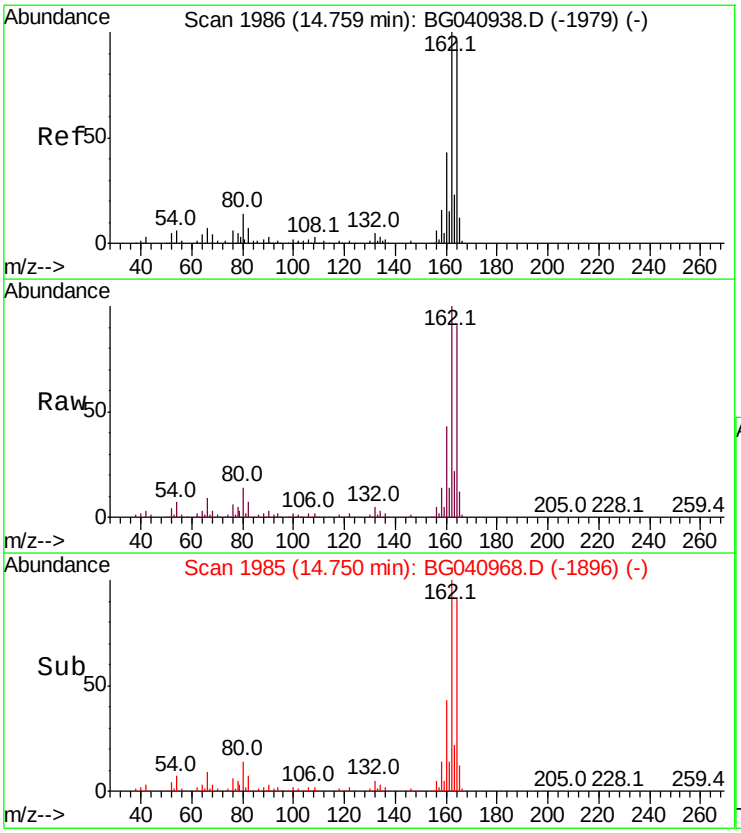
#32
Benzoic acid
Concen: 8.145 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.06 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:122 Resp: 54

Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#

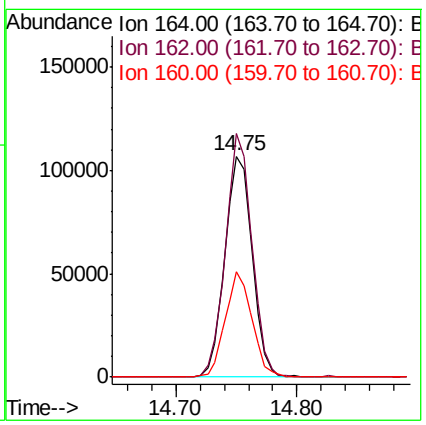


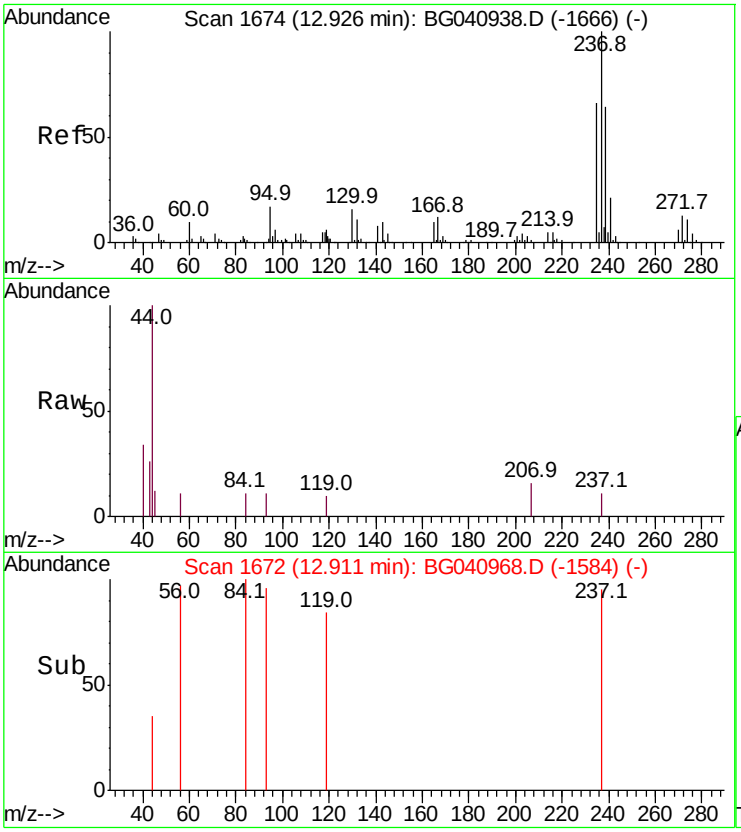


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:164 Resp: 168908

Ion	Ratio	Lower	Upper
164	100		
162	110.1	83.0	124.4
160	47.4	35.6	53.4



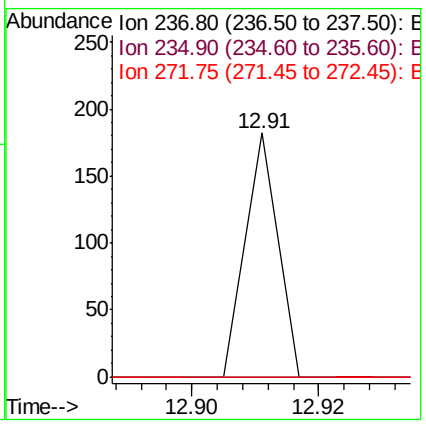


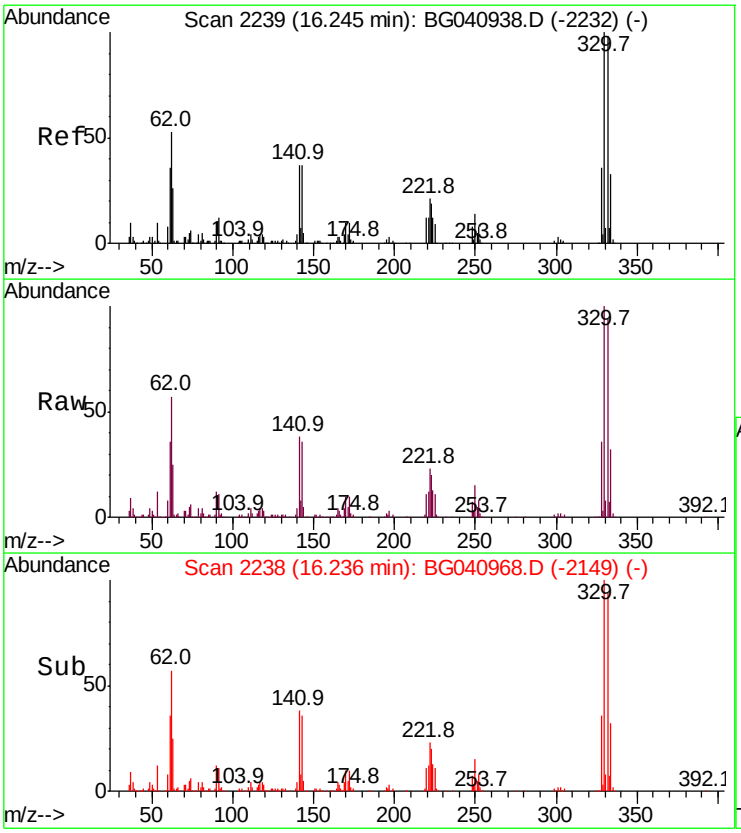
#41
Hexachlorocyclopentadiene
Concen: 8.251 ng
RT: 12.91 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:237 Resp: 64

Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9

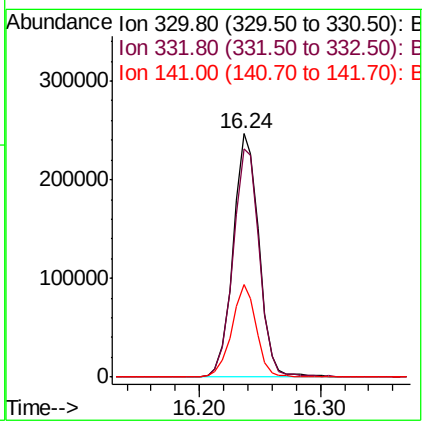


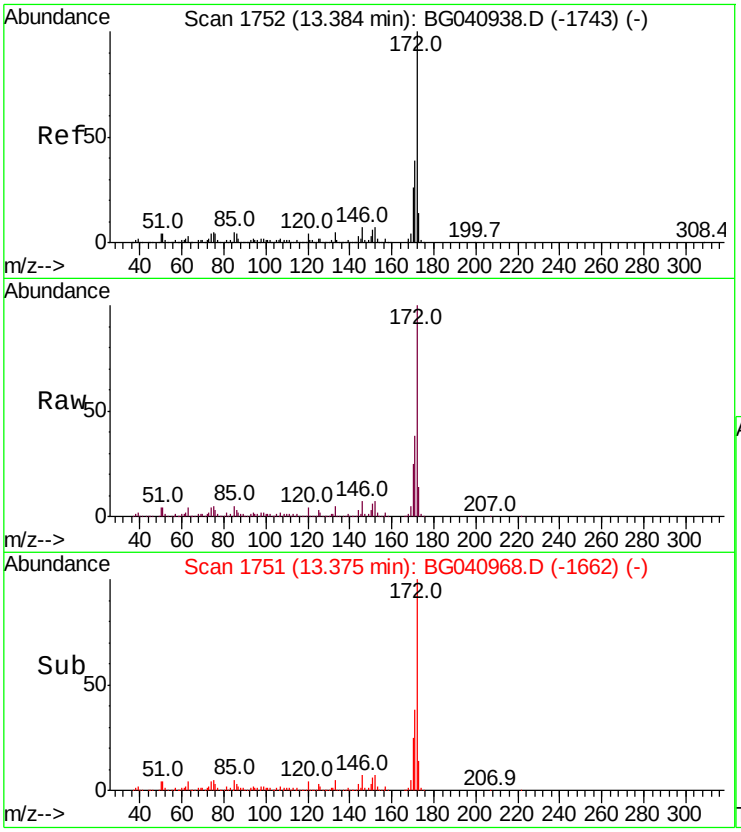


#42
2,4,6-Tribromophenol
Concen: 146.026 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:330 Resp: 366168

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.5	117.7
141	36.3	28.7	43.1



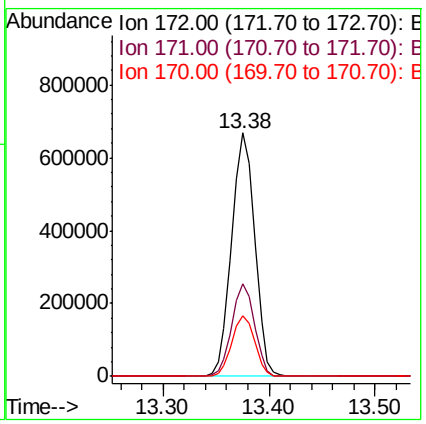


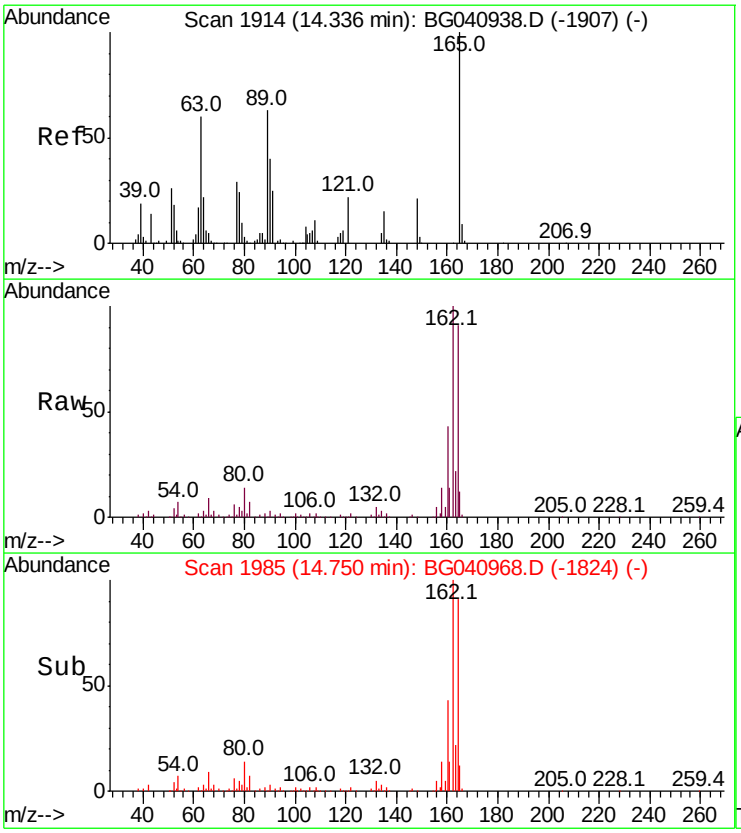
#45
2-Fluorobiphenyl
Concen: 85.871 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 1007167

Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.1	46.7
170	25.1	20.5	30.7

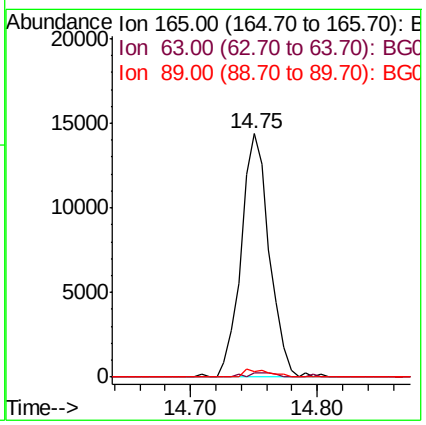


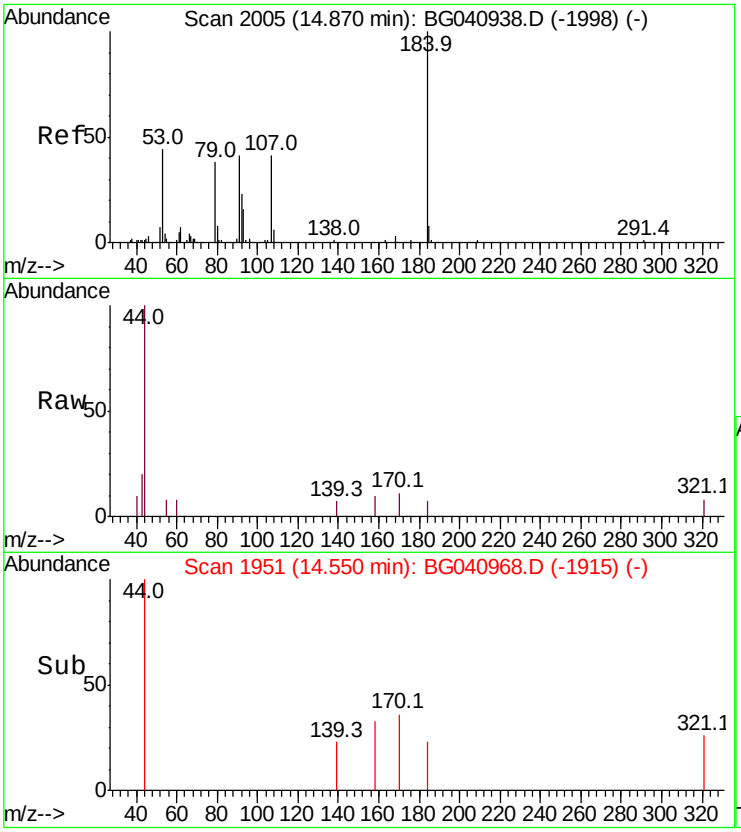


#51
2,6-Dinitrotoluene
Concen: 7.170 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.41 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:165 Resp: 22105

Ion	Ratio	Lower	Upper
165	100		
63	1.8	53.6	80.4#
89	2.1	50.4	75.6#



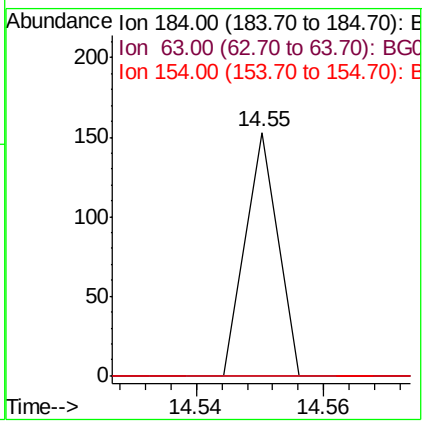


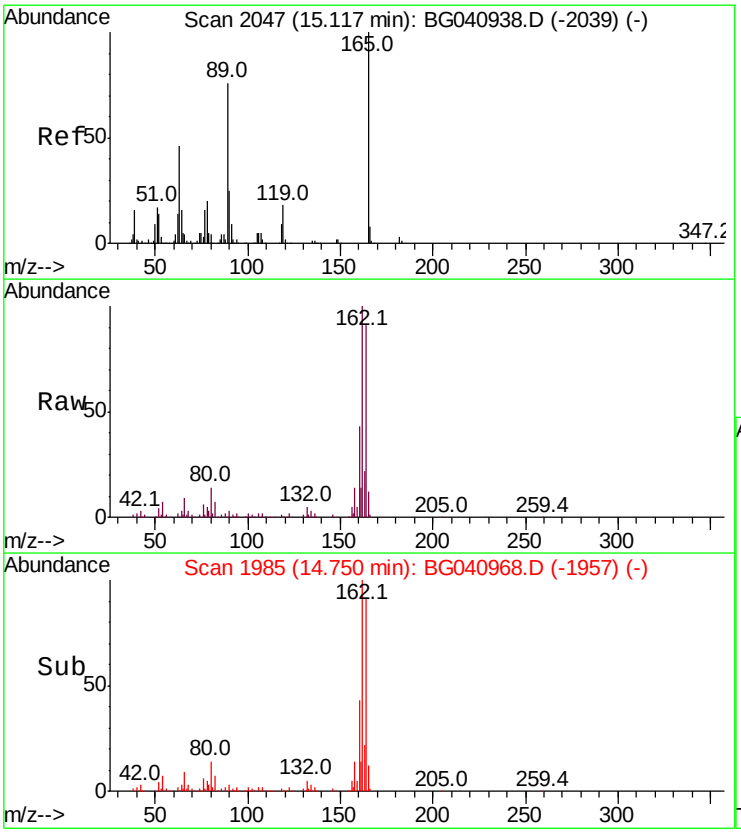
#54
2,4-Dinitrophenol
Concen: 8.293 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.32 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 54

Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#

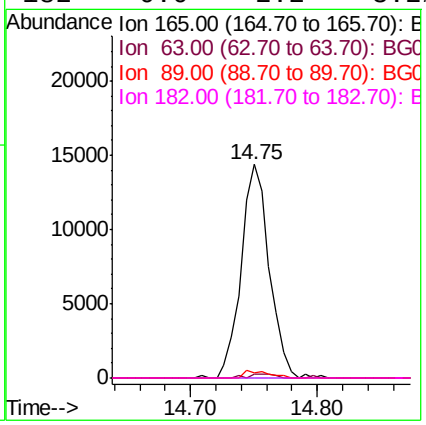


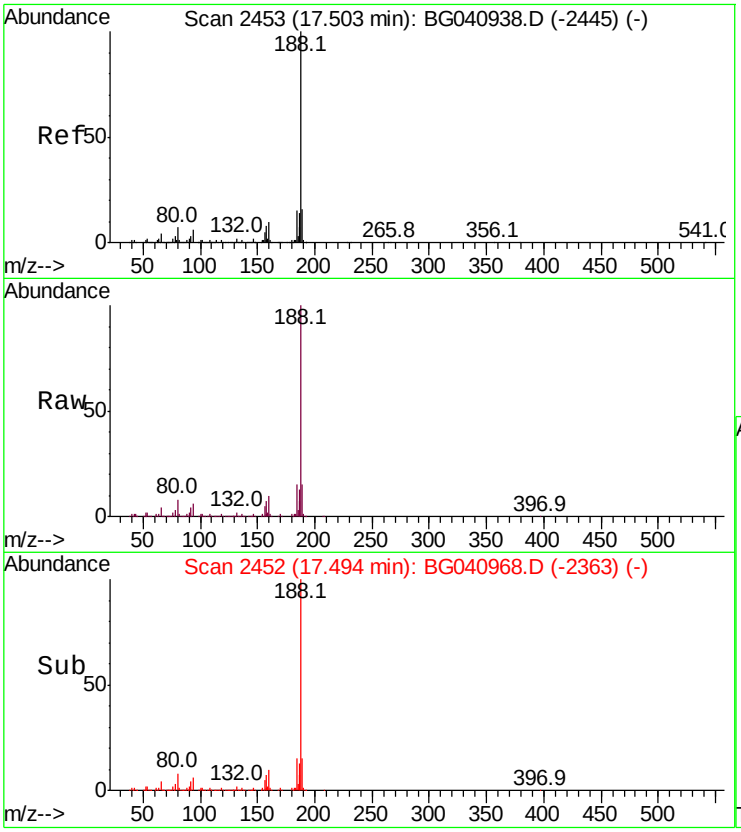


#57
2,4-Dinitrotoluene
Concen: 5.076 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:165 Resp: 22105

Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.3	55.9#
89	2.1	61.0	91.6#
182	0.0	2.2	3.2#



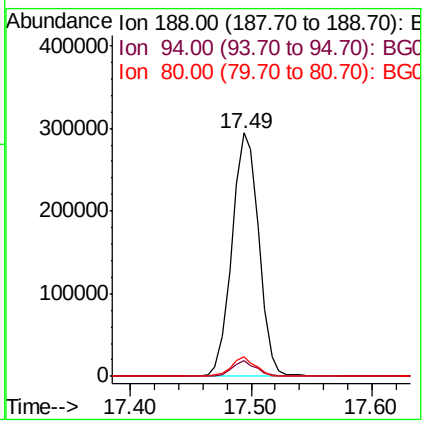


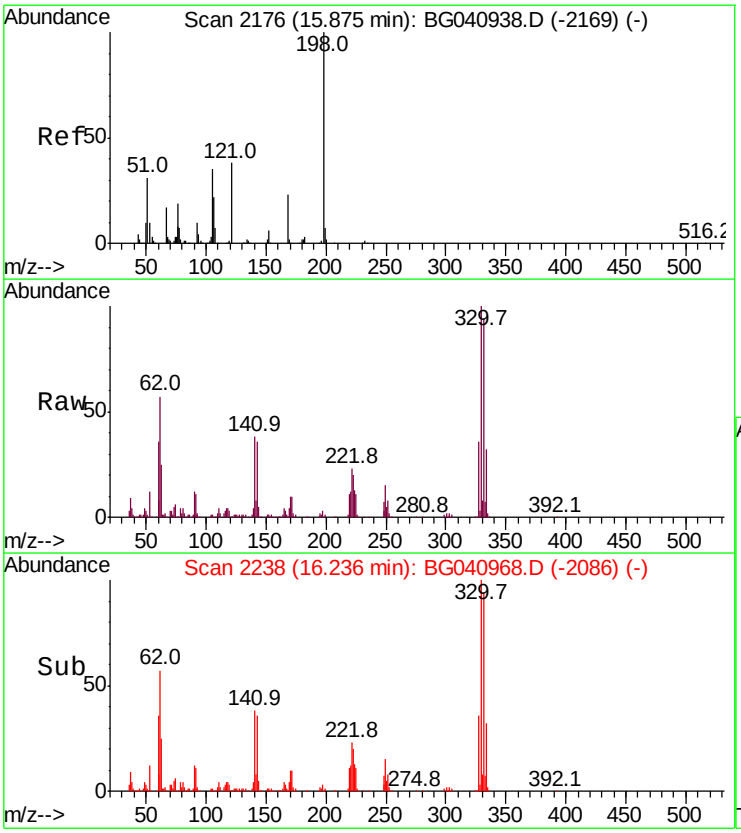
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 456197

Ion	Ratio	Lower	Upper
188	100		
94	6.4	4.7	7.1
80	7.9	5.8	8.8

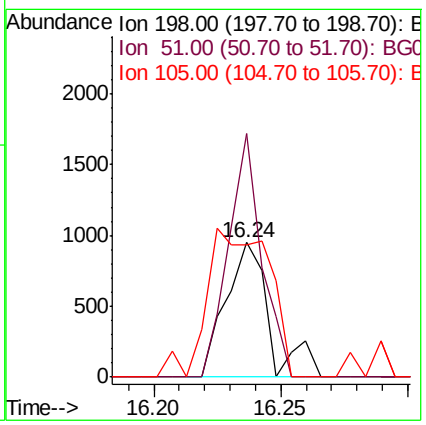


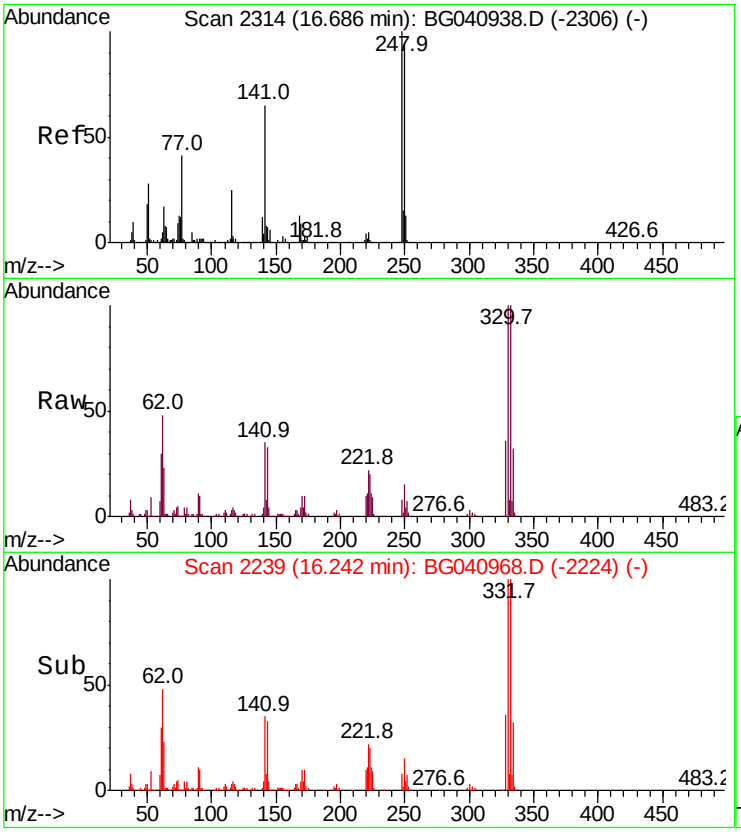


#65
4,6-Dinitro-2-methylphenol
Concen: 8.966 ng
RT: 16.24 min Scan# 2238
Delta R.T. 0.36 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:198 Resp: 1121

Ion	Ratio	Lower	Upper
198	100		
51	180.9	21.6	61.6#
105	98.6	17.5	57.5#



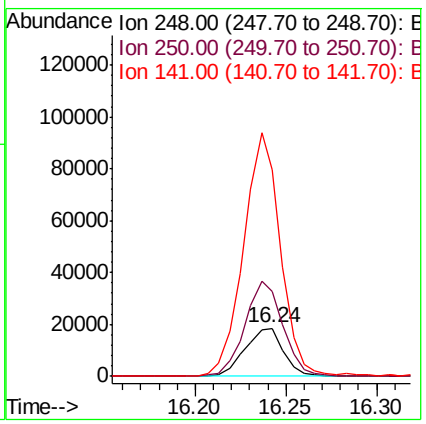


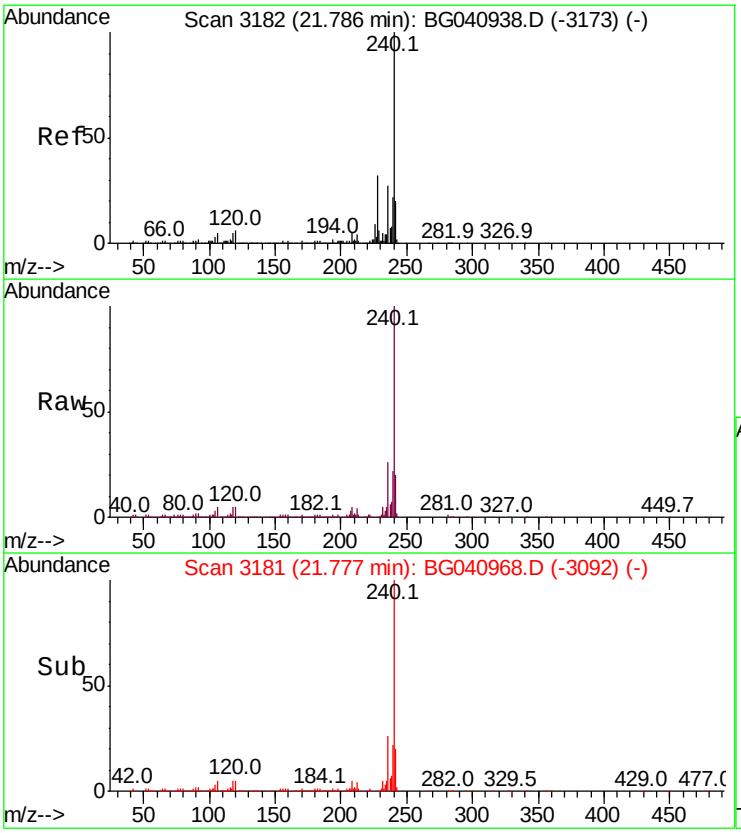
#67
4-Bromophenyl-phenylether
Concen: 4.424 ng
RT: 16.24 min Scan# 2239
Delta R.T. -0.44 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:248 Resp: 27236

Ion	Ratio	Lower	Upper
248	100		
250	176.9	75.0	112.4#
141	426.9	52.4	78.6#

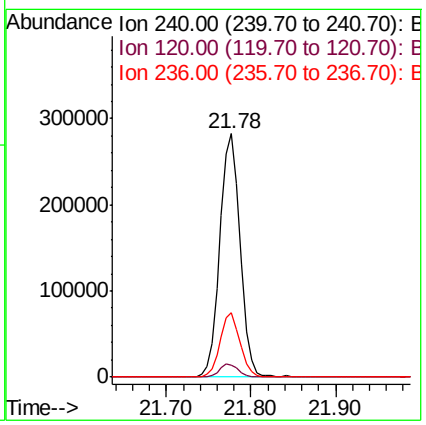


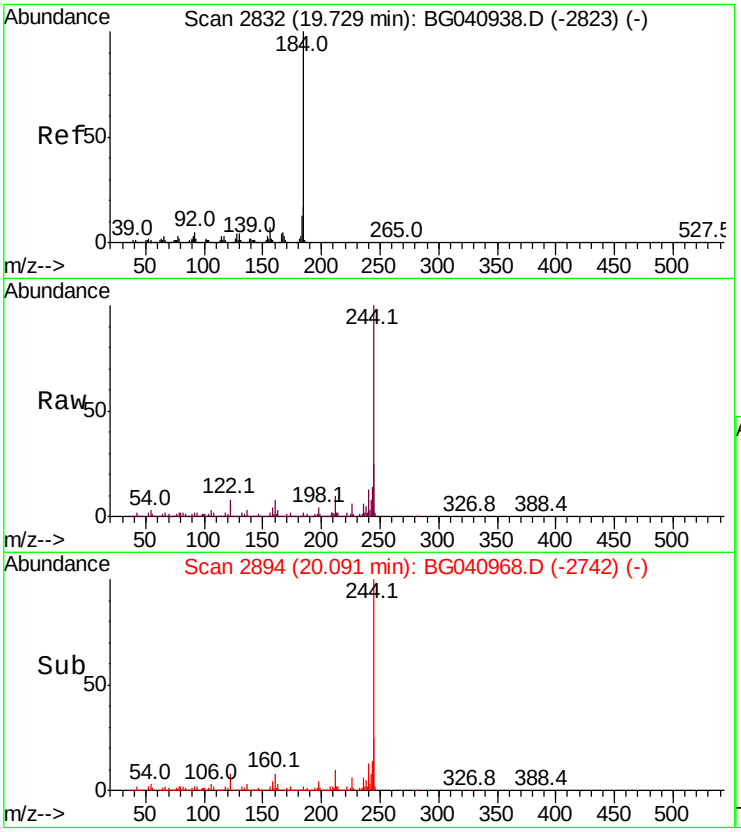


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:240 Resp: 469806

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.5	6.7
236	26.4	21.3	31.9



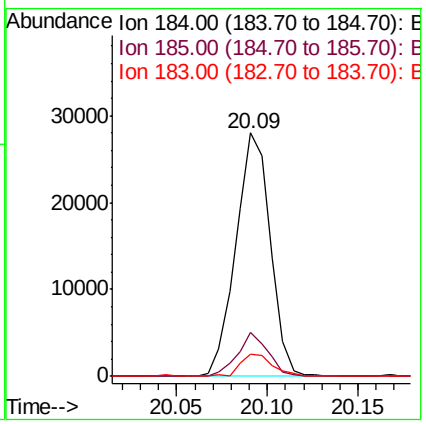


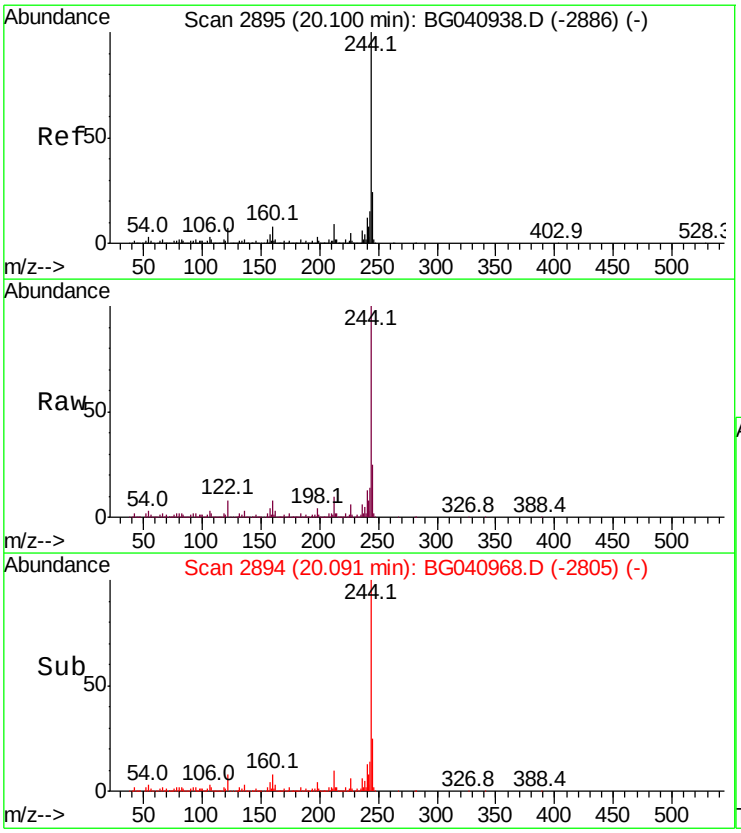
#77
Benzidine
Concen: 3.298 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 36957

Ion	Ratio	Lower	Upper
184	100		
185	17.9	13.3	19.9
183	9.2	10.7	16.1#

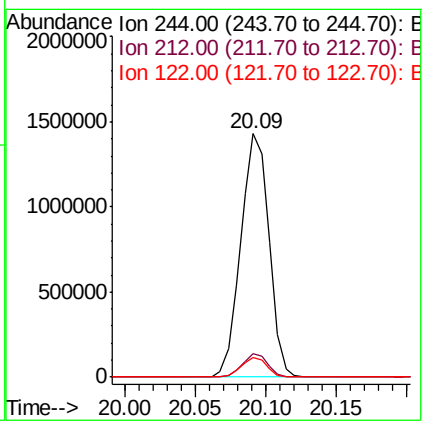


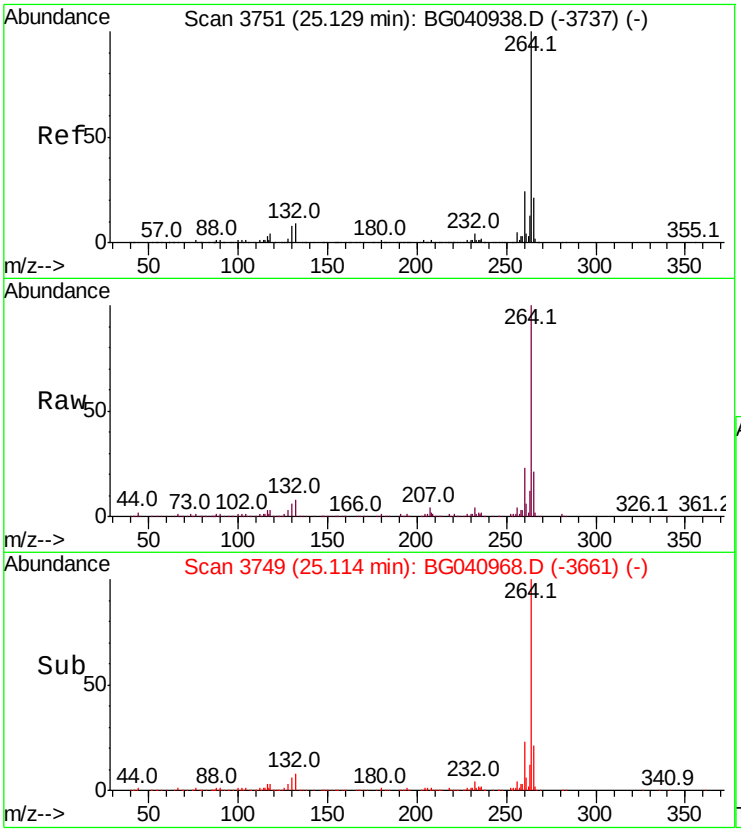


#79
Terphenyl-d14
Concen: 90.383 ng
RT: 20.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Tgt Ion:244 Resp: 2000736

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.4
122	8.2	5.4	8.0#





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG040968.D
Acq: 31 May 2019 2:31

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 488852

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.1	17.0	25.4