Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
Data File : BG040644.D
Acq On : 27 Apr 2019 1:40
Operator : JU/SJ
Sample : K2198-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Apr 27 04:41:02 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	8.16	152	49913	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	191190	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	137025	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	390191	20.00	ng	0.00
76) Chrysene-d12	21.82	240	406753	20.00	ng	0.00
87) Perylene-d12	25.20	264	422085	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	360842	127.44	ng	0.00
7) Phenol-d6	7.29	99	476967	109.40	ng	0.00
23) Nitrobenzene-d5	9.33	82	430911	104.14	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	300417	159.50	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	870121	91.71	ng	0.00
79) Terphenyl-d14	20.13	244	1871089	101.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.28	77	626	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.33	70	63750	16.244	ng	# 84
51) 2,6-Dinitrotoluene	14.79	165	18506	8.271	ng	# 15
54) 2,4-Dinitrophenol	14.84	184	65	7.062	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	18506	6.087	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.02	198	58	7.127	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	23250	4.783	ng	# 1
77) Benzidine	20.13	184	36546	3.281	ng	# 92

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

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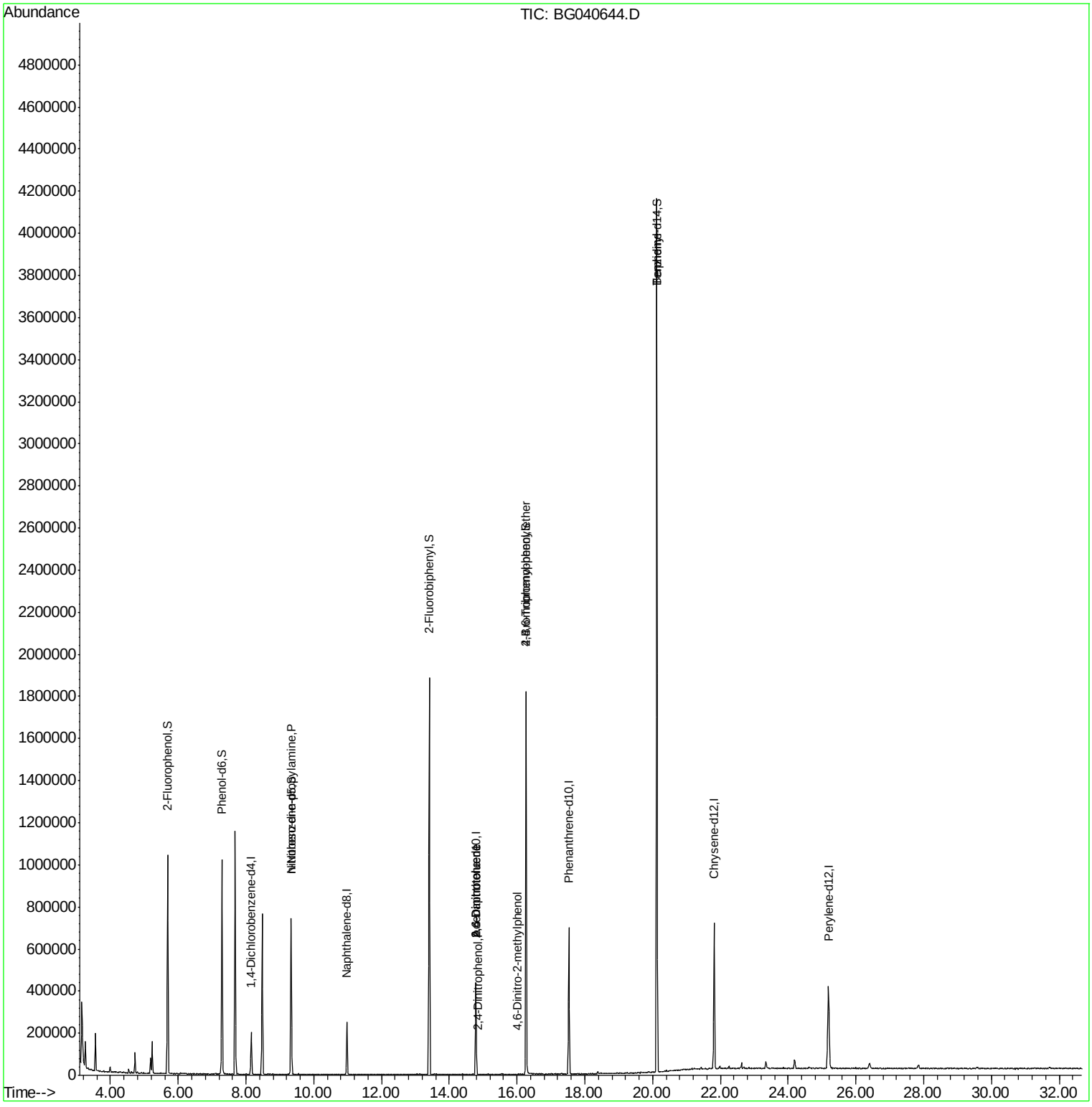
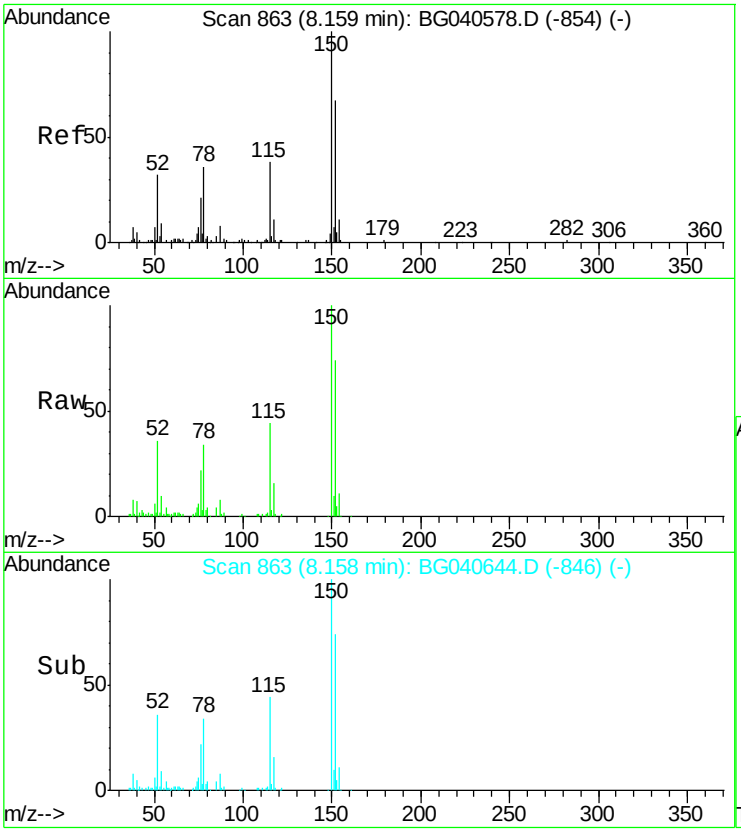


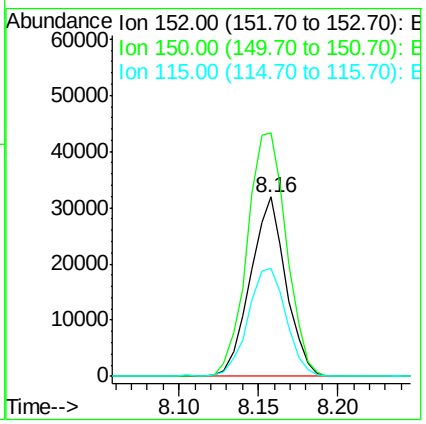


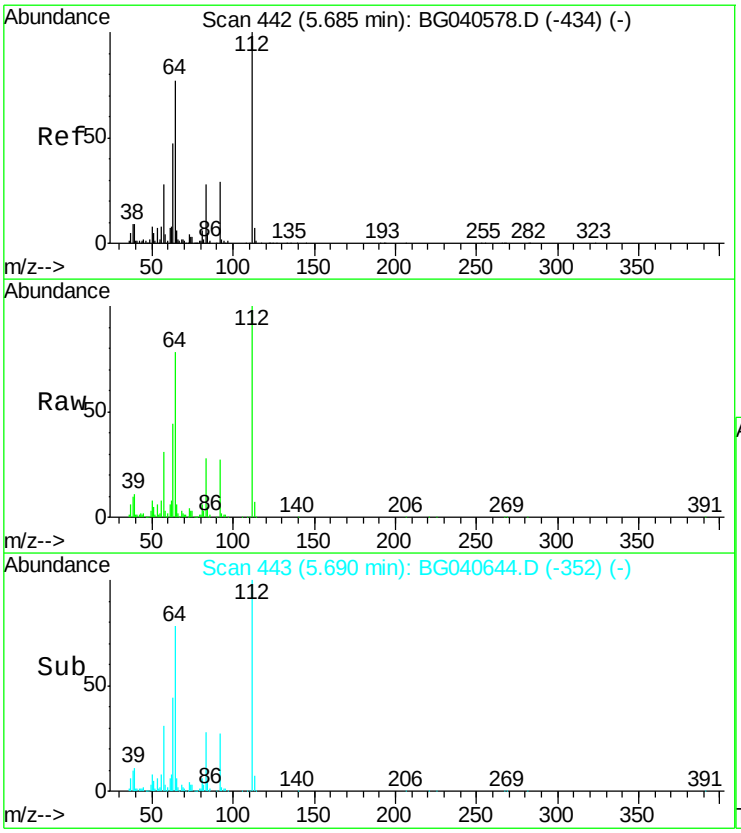
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 49913

Ion	Ratio	Lower	Upper
152	100		
150	135.9	120.2	180.2
115	60.5	46.2	69.2

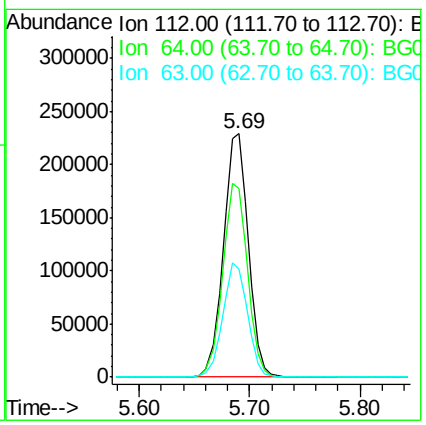


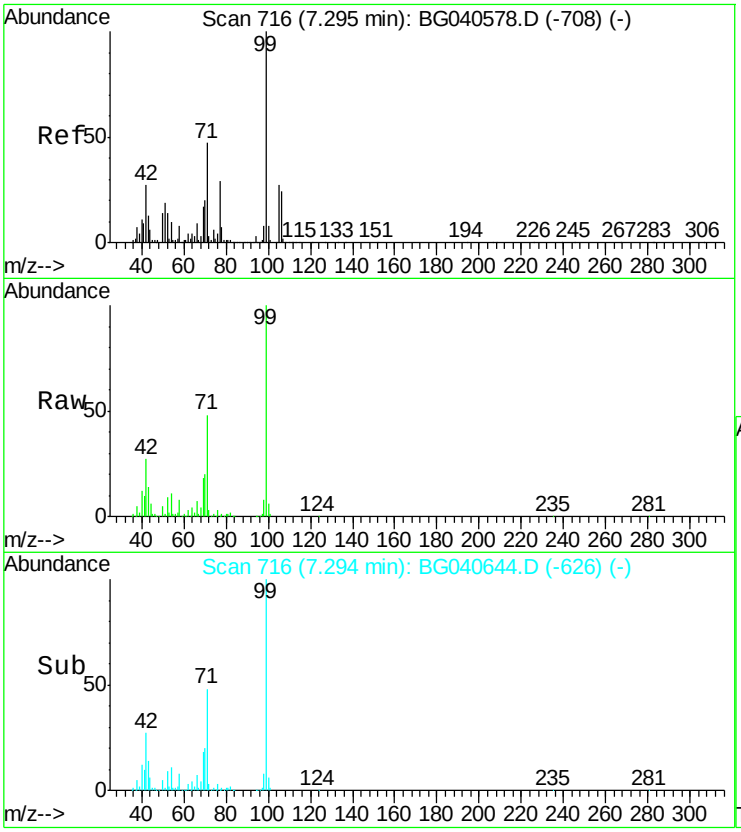


#5
2-Fluorophenol
Concen: 127.438 ng
RT: 5.69 min Scan# 443
Delta R.T. 0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:112 Resp: 360842

Ion	Ratio	Lower	Upper
112	100		
64	77.6	61.4	92.0
63	44.3	37.8	56.6



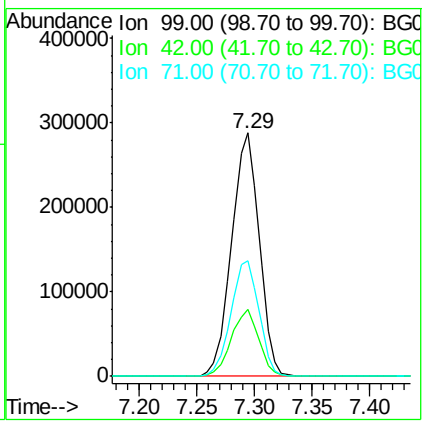


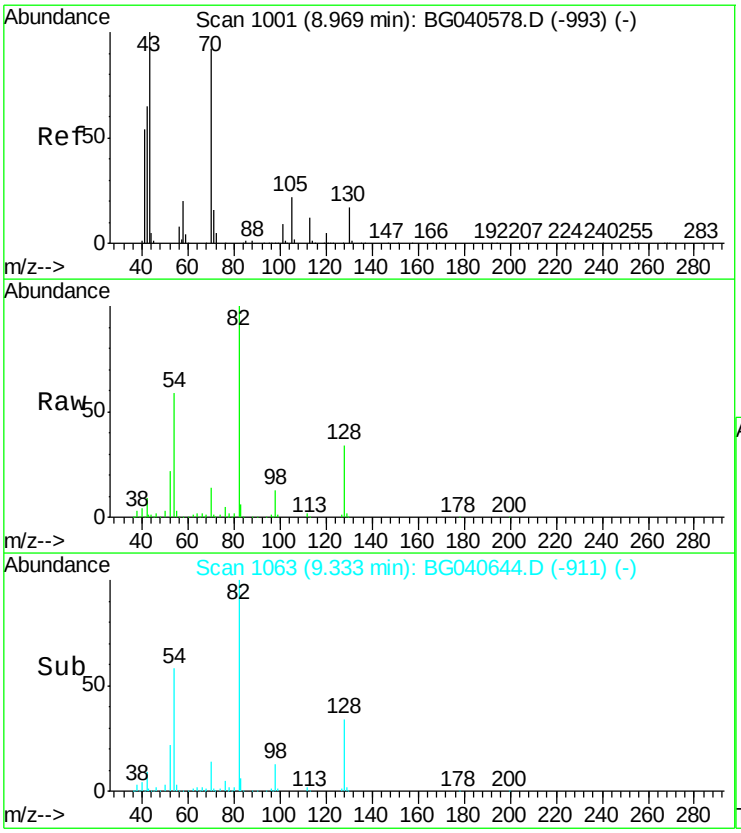
#7
Phenol-d6
Concen: 109.403 ng
RT: 7.29 min Scan# 716
Delta R.T. -0.00 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 476967

Ion	Ratio	Lower	Upper
99	100		
42	27.4	21.8	32.8
71	47.6	38.6	57.8

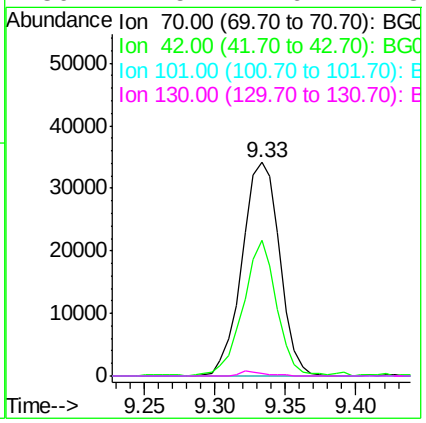


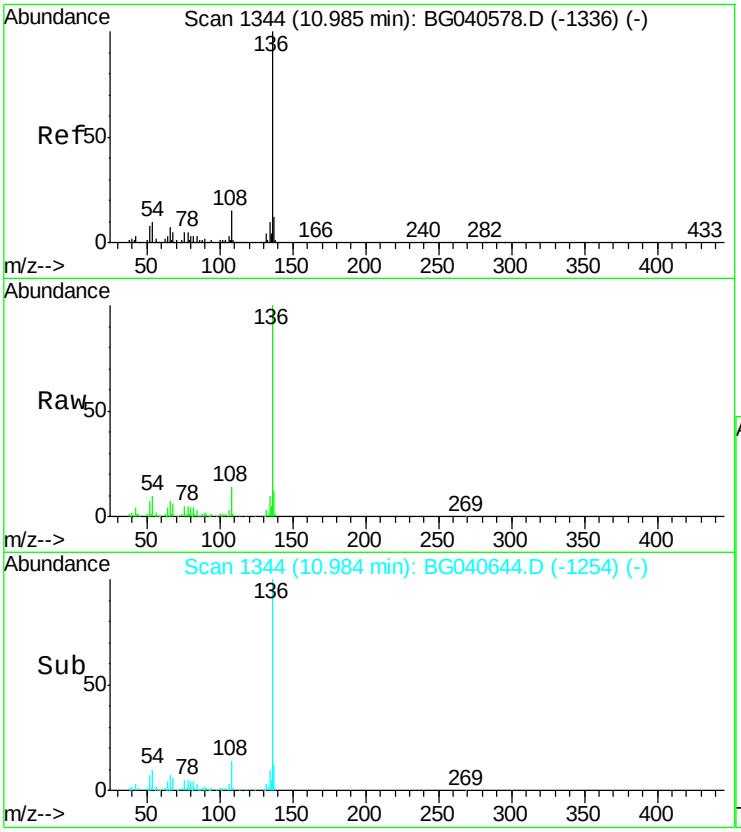


#19
n-Nitroso-di-n-propylamine
Concen: 16.244 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.36 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion: 70 Resp: 63750

Ion	Ratio	Lower	Upper
70	100		
42	63.5	57.1	85.7
101	0.0	7.8	11.8#
130	1.5	14.6	21.8#



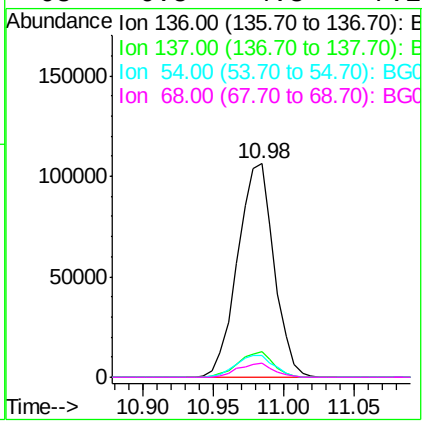


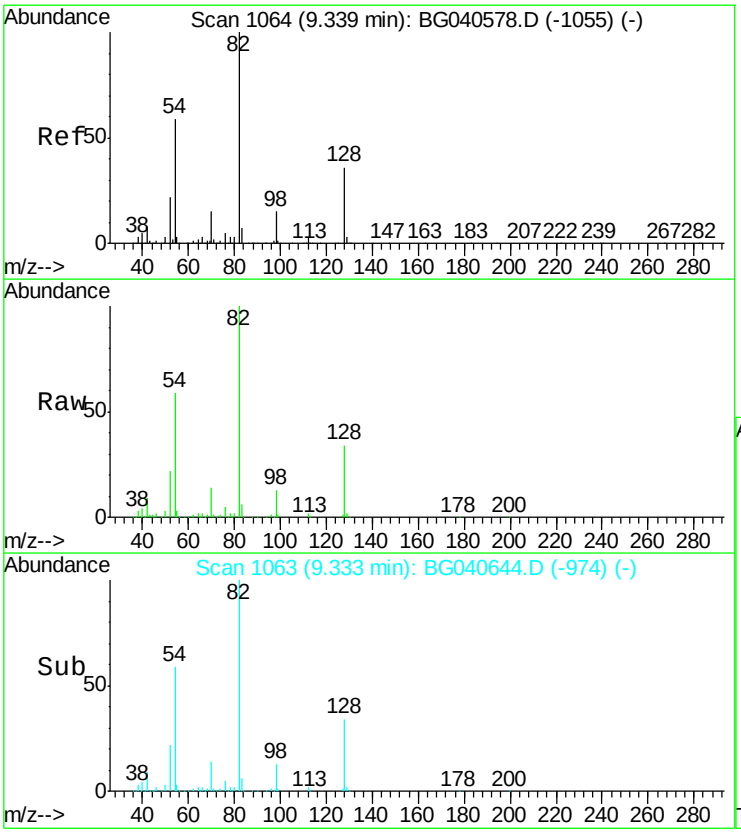
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 191190

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	10.1	8.6	12.8
68	6.5	4.8	7.2

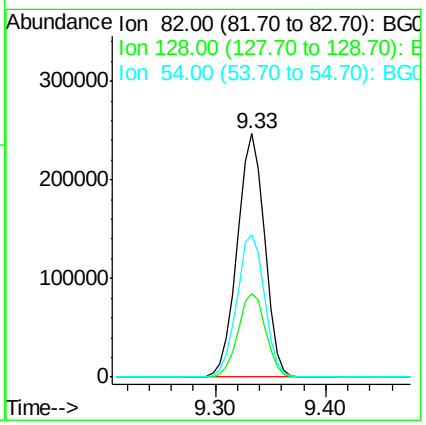


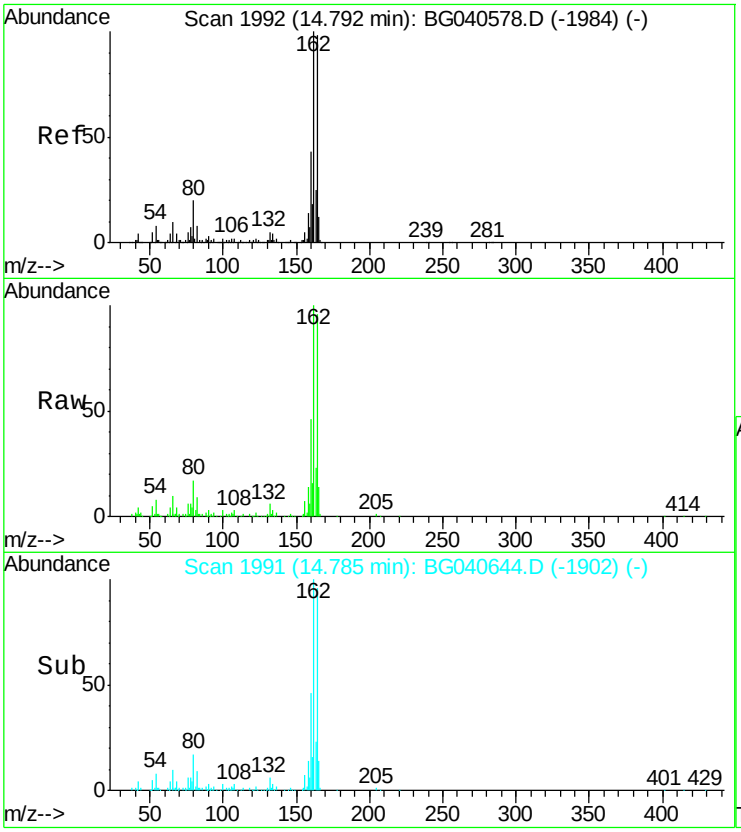


#23
Nitrobenzene-d5
Concen: 104.141 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion: 82 Resp: 430911

Ion	Ratio	Lower	Upper
82	100		
128	34.4	28.9	43.3
54	58.6	47.2	70.8



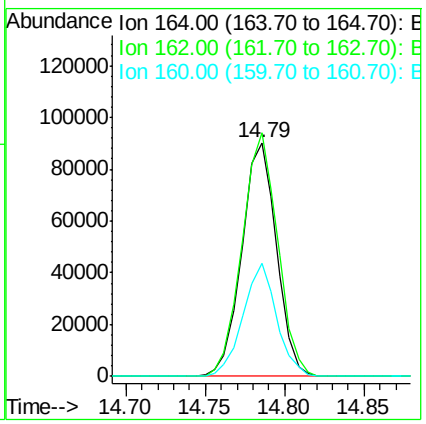


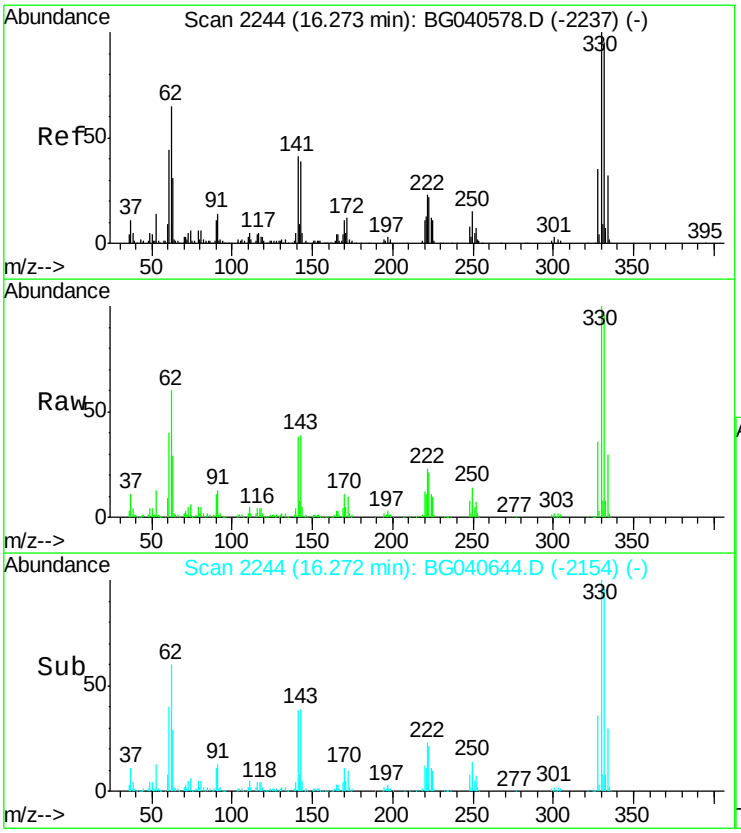
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 137025

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.9	122.9
160	48.2	35.4	53.2

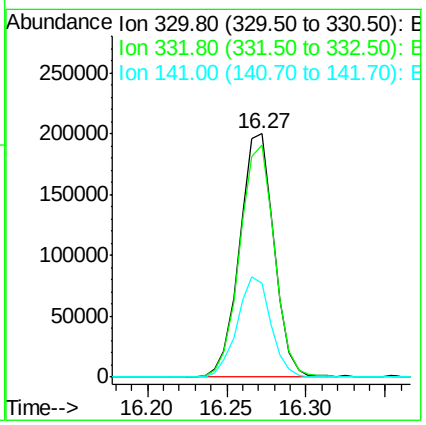


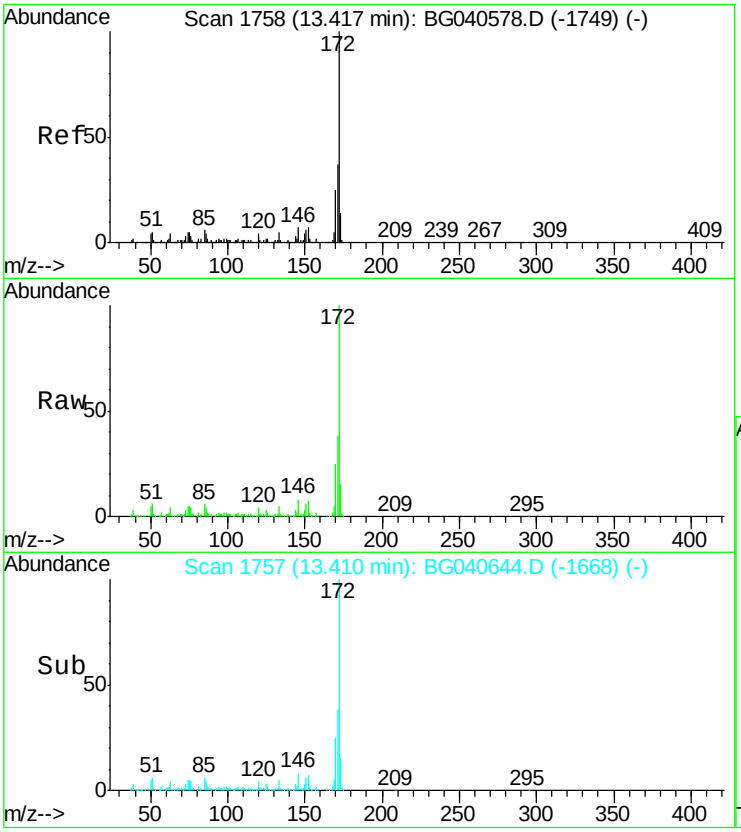


#42
2,4,6-Tribromophenol
Concen: 159.504 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:330 Resp: 300417

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.9	113.9
141	40.5	32.4	48.6



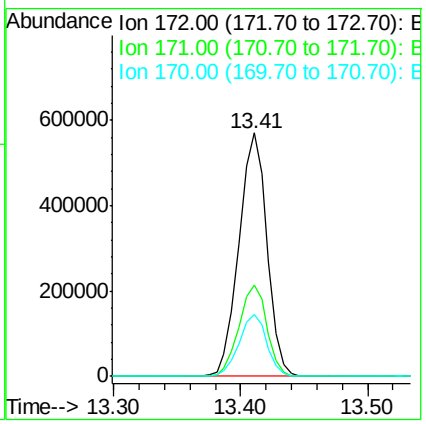


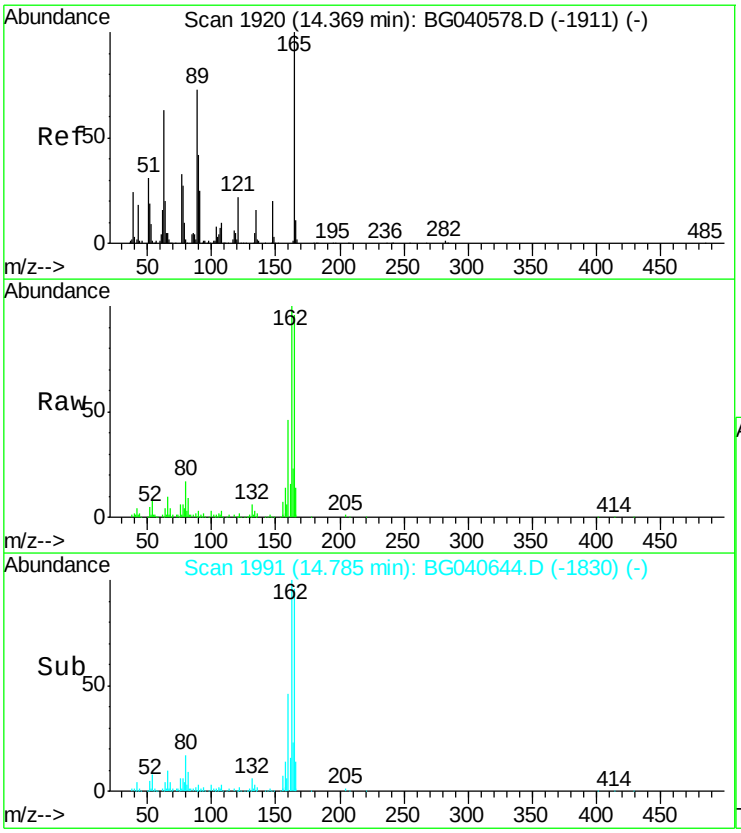
#45
2-Fluorobiphenyl
Concen: 91.708 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 870121

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	25.3	19.9	29.9

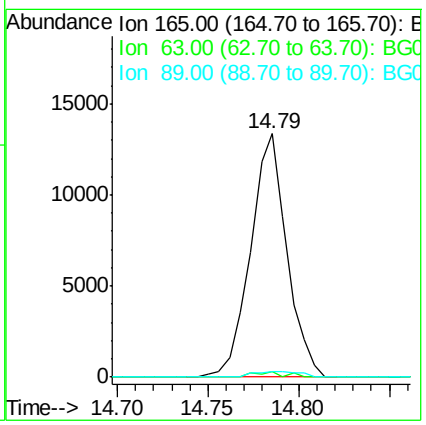


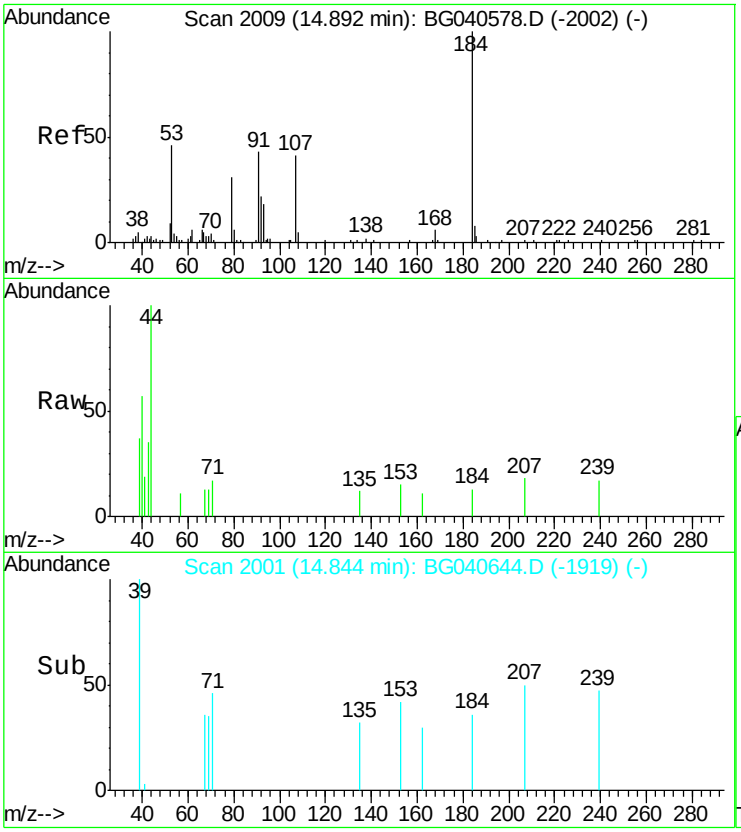


#51
2,6-Dinitrotoluene
Concen: 8.271 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:165 Resp: 18506

Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	2.4	58.6	87.8#



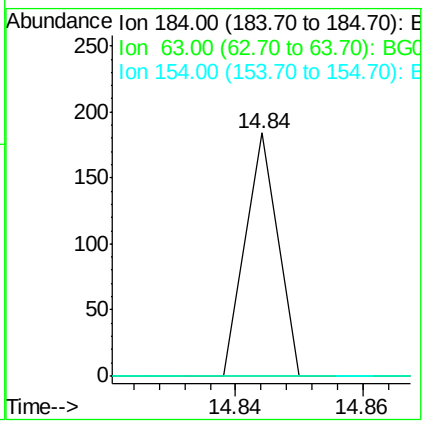


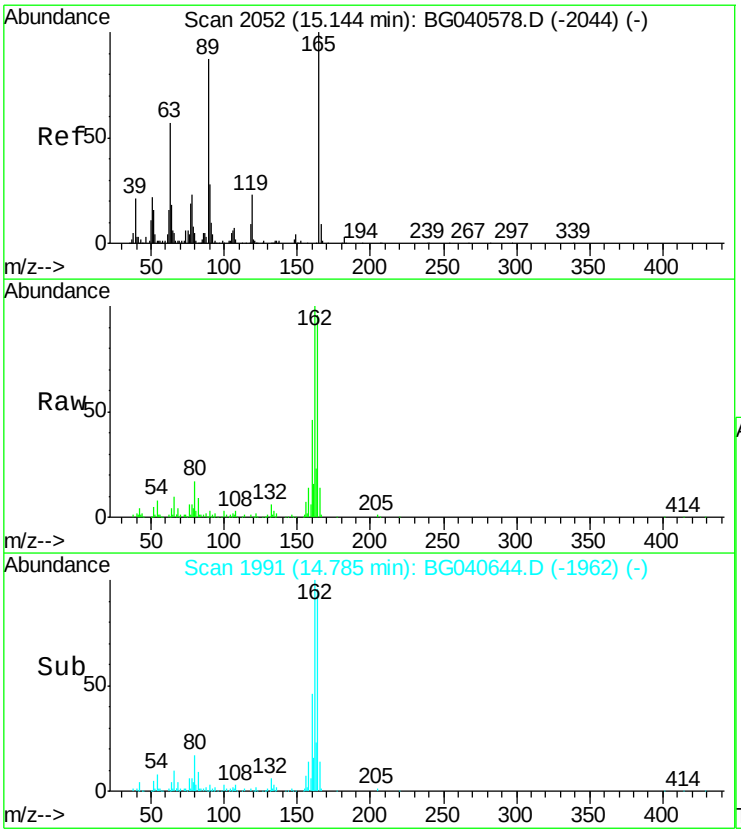
#54
2,4-Dinitrophenol
Concen: 7.062 ng
RT: 14.84 min Scan# 2001
Delta R.T. -0.05 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 65

Ion	Ratio	Lower	Upper
184	100		
63	0.0	51.8	77.6#
154	0.0	43.6	65.4#

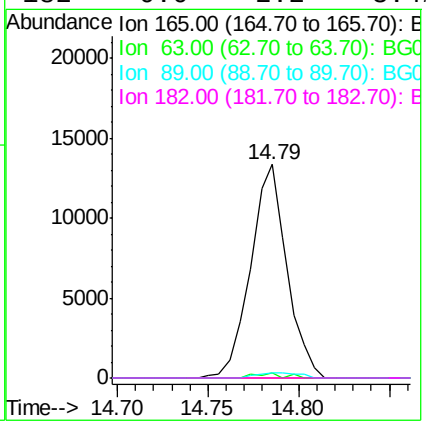


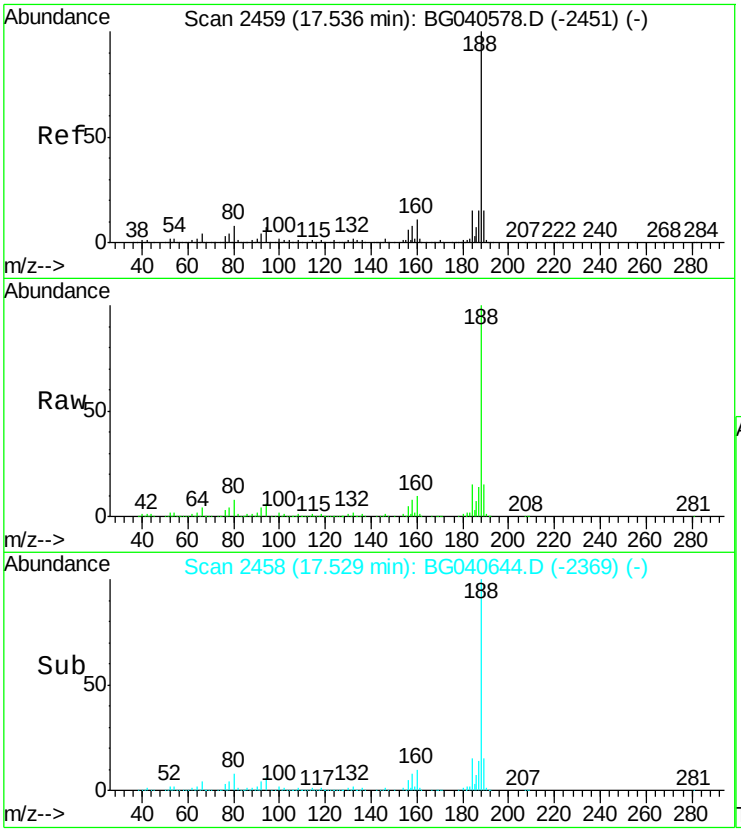


#57
2,4-Dinitrotoluene
Concen: 6.087 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:165 Resp: 18506

Ion	Ratio	Lower	Upper
165	100		
63	2.3	45.8	68.8#
89	2.4	69.4	104.2#
182	0.0	2.2	3.4#



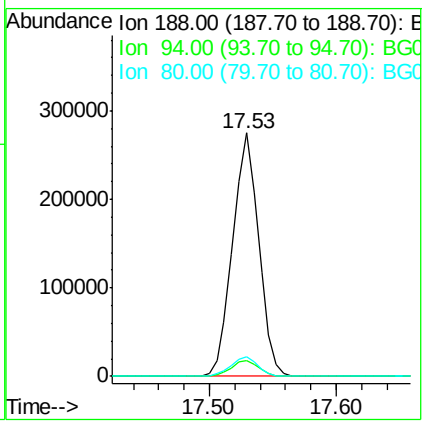


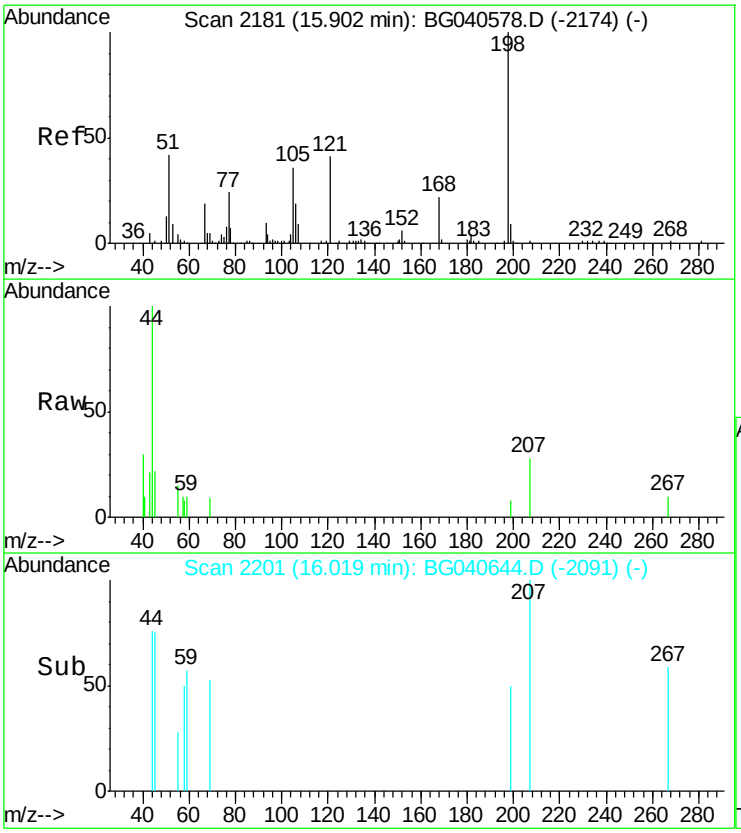
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 390191

Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.6	8.4
80	8.2	6.4	9.6

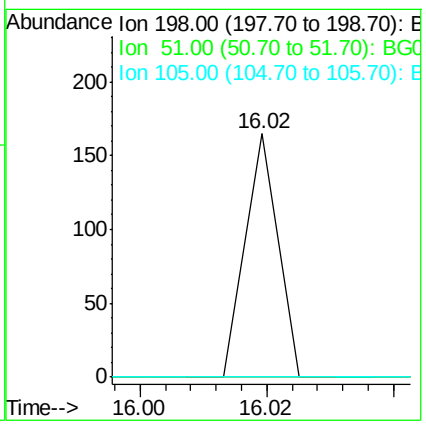


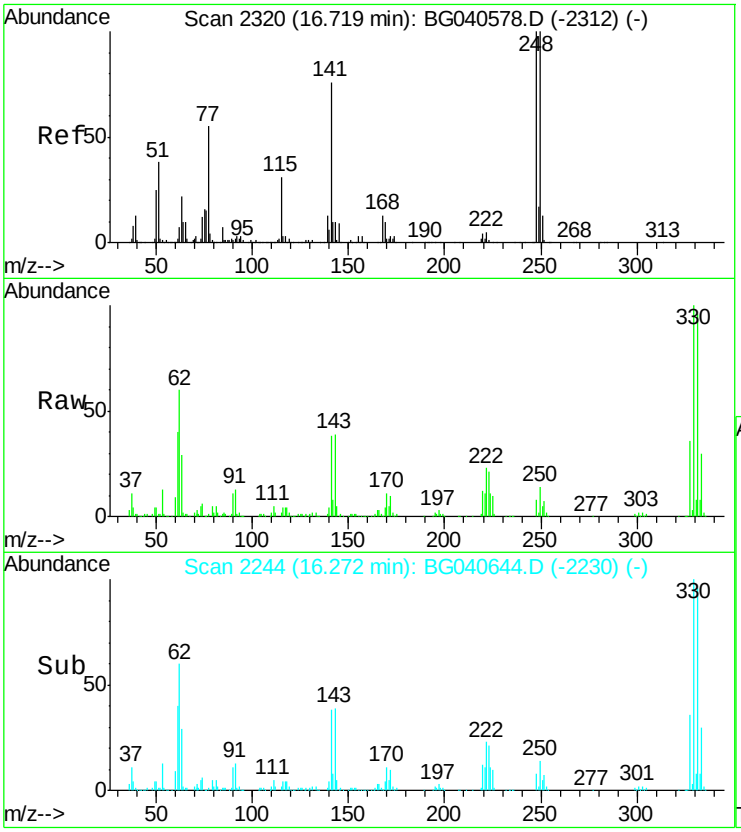


#65
4,6-Dinitro-2-methylphenol
Concen: 7.127 ng
RT: 16.02 min Scan# 2201
Delta R.T. 0.12 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:198 Resp: 58

Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#



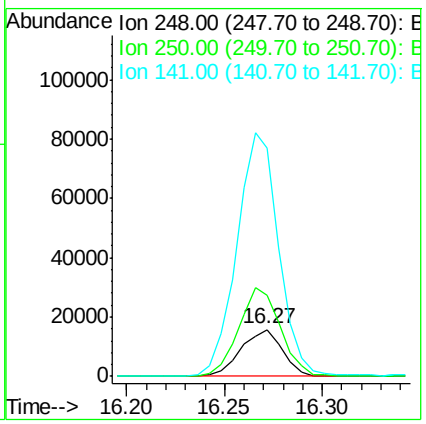


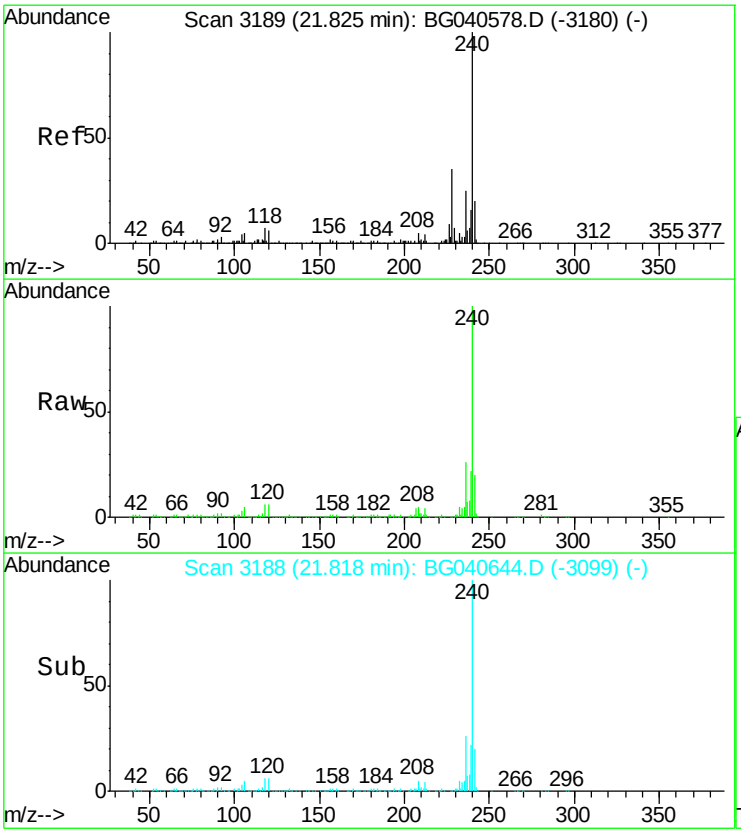
#67
4-Bromophenyl-phenylether
Concen: 4.783 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:248 Resp: 23250

Ion	Ratio	Lower	Upper
248	100		
250	173.1	79.8	119.6#
141	489.7	60.8	91.2#

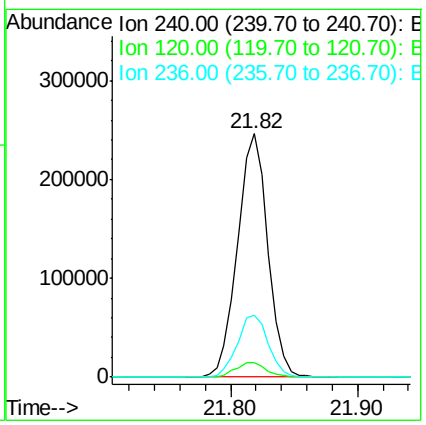


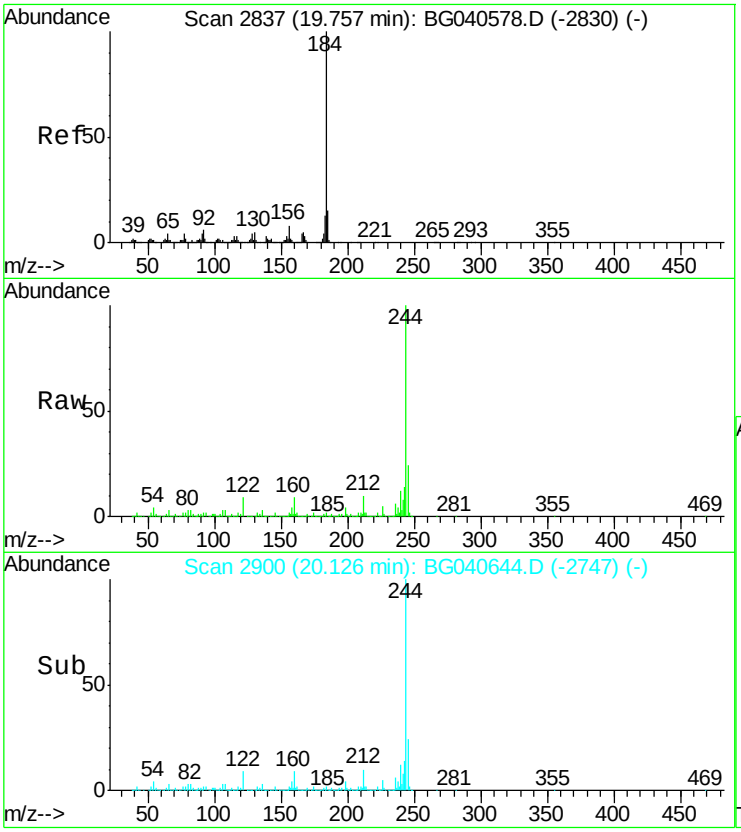


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:240 Resp: 406753

Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.0	7.6
236	25.6	20.3	30.5



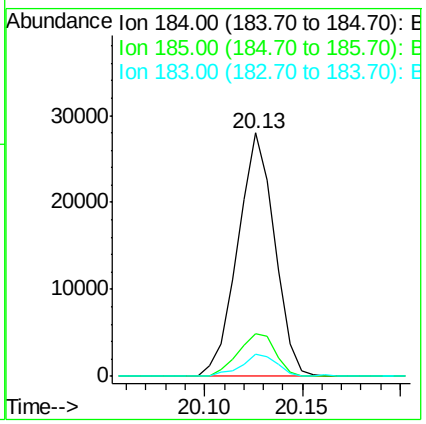


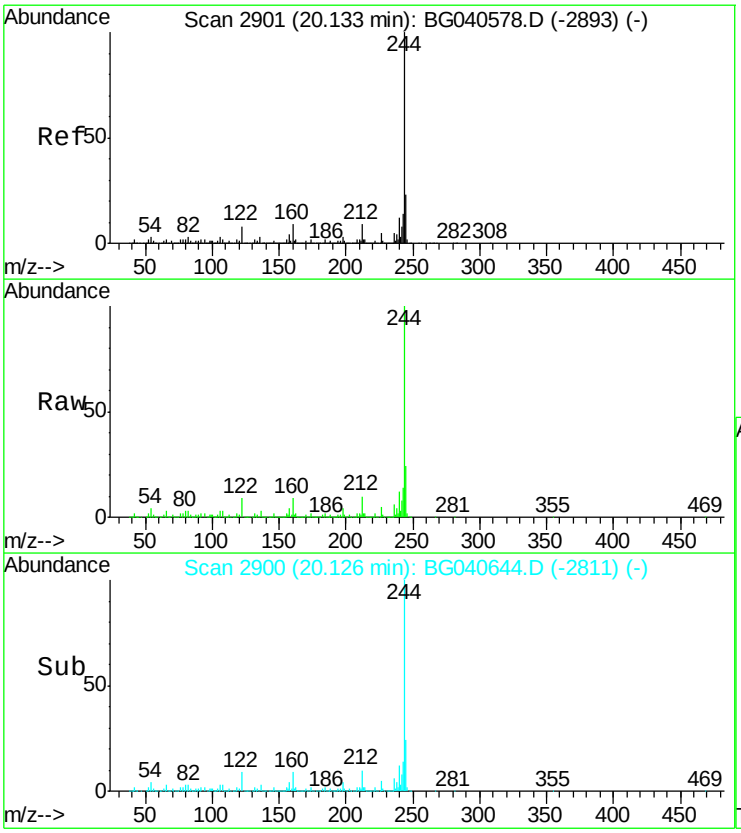
#77
Benzidine
Concen: 3.281 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:184 Resp: 36546

Ion	Ratio	Lower	Upper
184	100		
185	17.5	11.8	17.8
183	9.2	10.2	15.2#

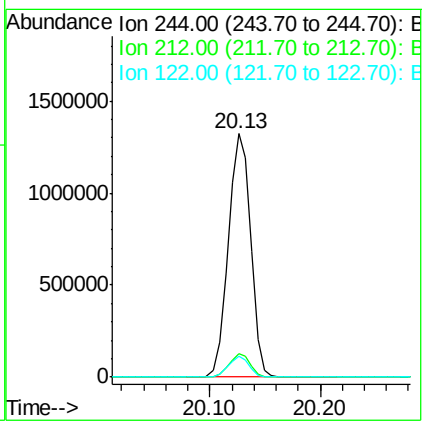


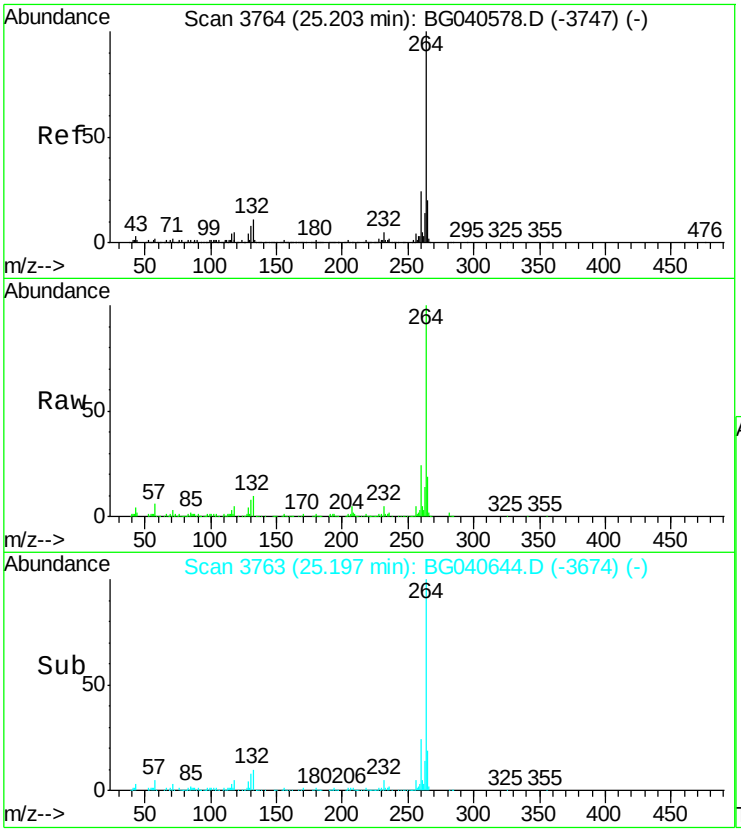


#79
Terphenyl-d14
Concen: 101.911 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Tgt Ion:244 Resp: 1871089

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.2	10.8
122	8.7	6.6	10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.01 min
Lab File: BG040644.D
Acq: 27 Apr 2019 1:40

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 422085

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	19.0	16.6	25.0