Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
Data File : BG023238.D
Acq On : 23 Jul 2016 6:11
Operator : UM/SJ
Sample : H4131-30
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D-20

Quant Time: Jul 25 01:27:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:46:37 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	127037	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	570071	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	419170	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1035329	20.00	ng	0.02
75) Chrysene-d12	21.90	240	1074794	20.00	ng	0.02
86) Perylene-d12	25.30	264	1024365	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	904093	116.40	ng	0.00
7) Phenol-d6	7.29	99	1286598	105.76	ng	0.00
23) Nitrobenzene-d5	9.32	82	1060348	79.65	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	636498	84.49	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1956054	73.50	ng	0.00
78) Terphenyl-d14	20.18	244	2869928	84.51	ng	0.02
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	7.46	93	32955	3.32	ng	# 29
31) Naphthalene	11.03	128	185813	6.40	ng	100
76) Benzidine	19.81	184	2886870	93.69	ng	# 87

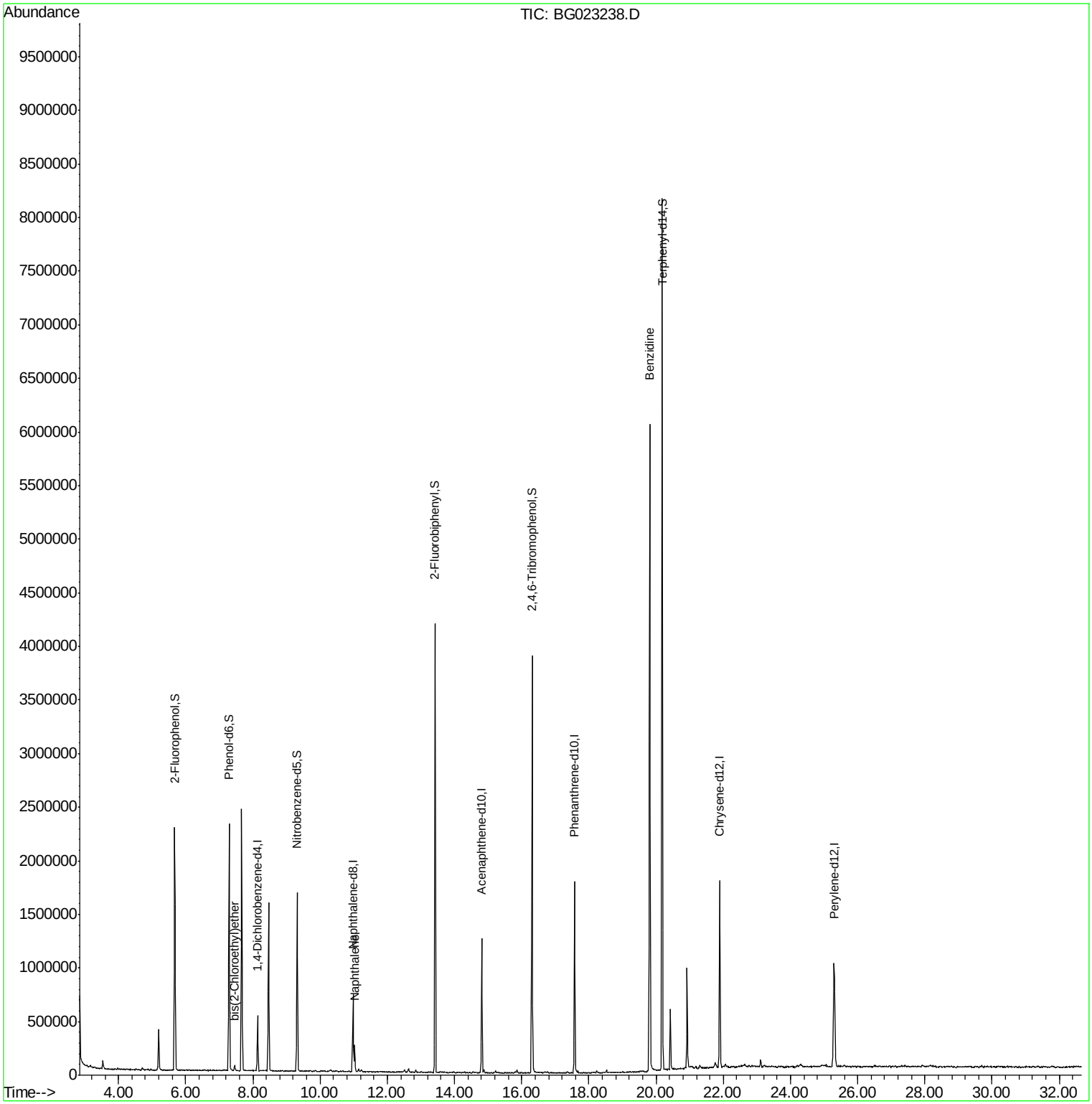
(#) = qualifier out of range (m) = manual integration (+) = signals summed

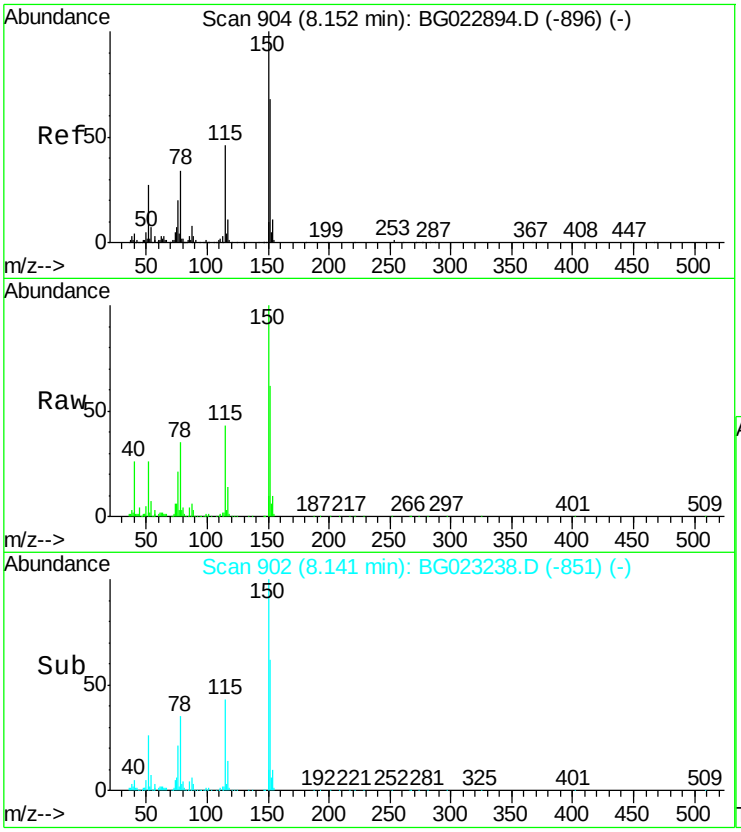
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
Data File : BG023238.D
Acq On : 23 Jul 2016 6:11
Operator : UM/SJ
Sample : H4131-30
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D-20

Quant Time: Jul 25 01:27:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:46:37 2016
Response via : Initial Calibration



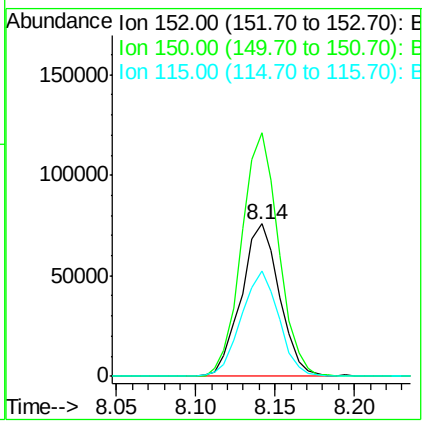


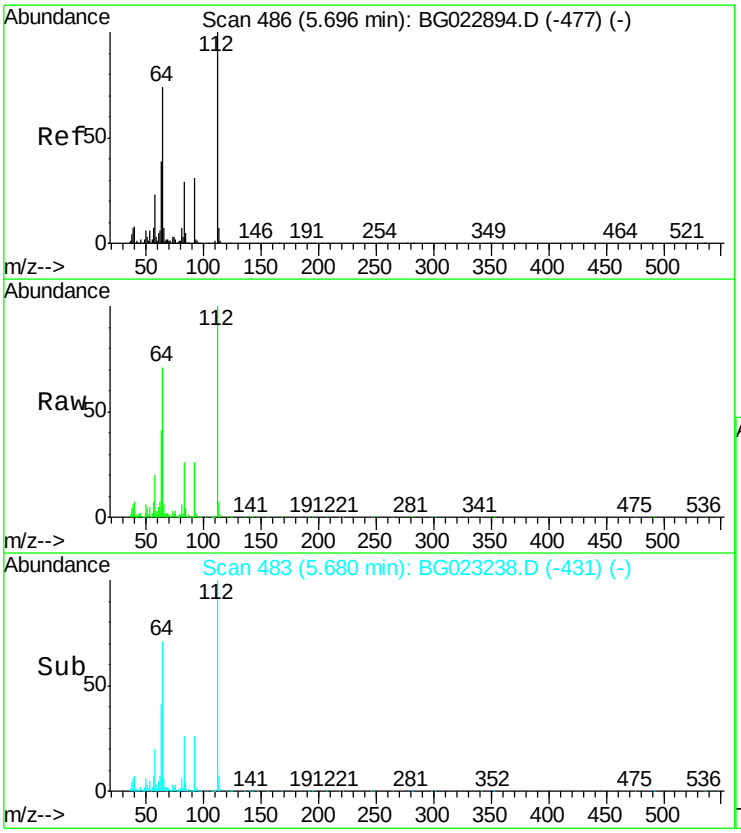
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:152 Resp: 127037

Ion	Ratio	Lower	Upper
152	100		
150	160.1	144.7	217.1
115	68.9	64.0	96.0

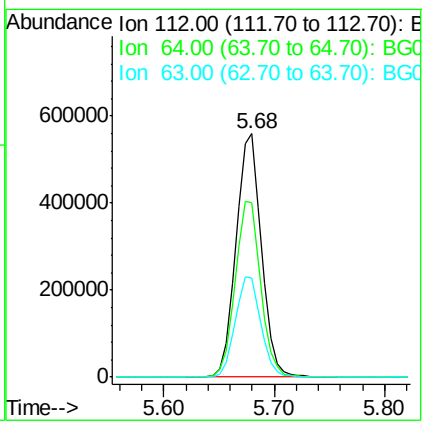


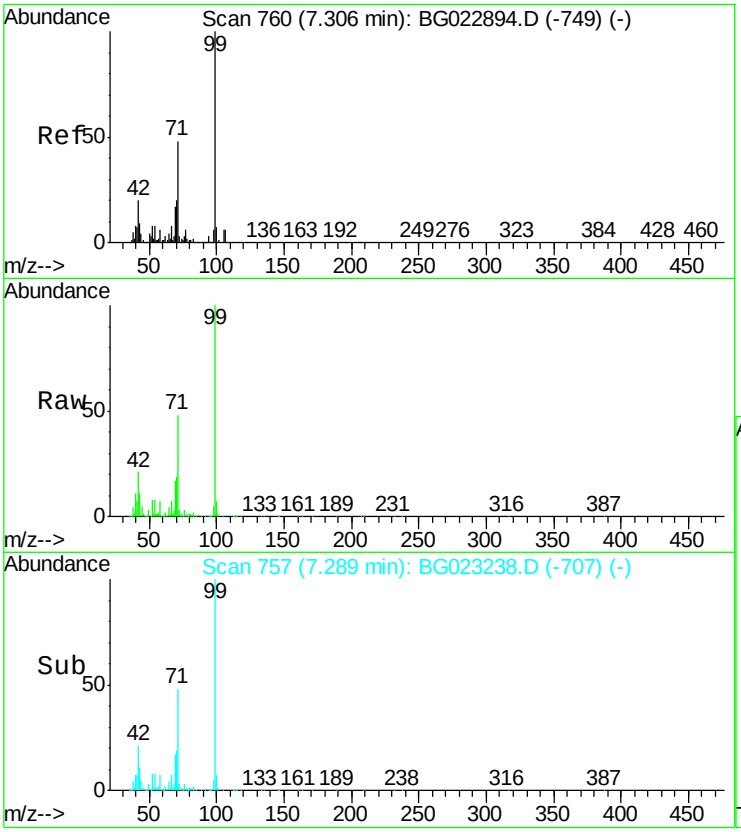


#5
2-Fluorophenol
Concen: 116.40 ng
RT: 5.68 min Scan# 483
Delta R.T. 0.00 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion:112 Resp: 904093

Ion	Ratio	Lower	Upper
112	100		
64	71.4	59.0	88.4
63	40.6	37.8	56.8



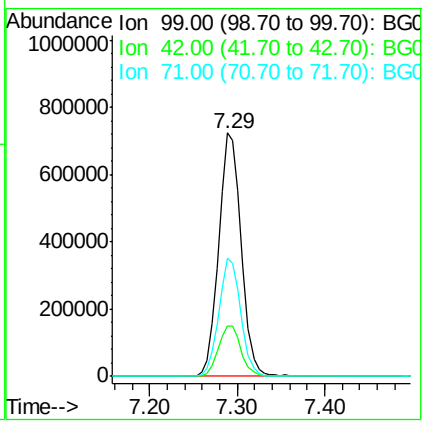


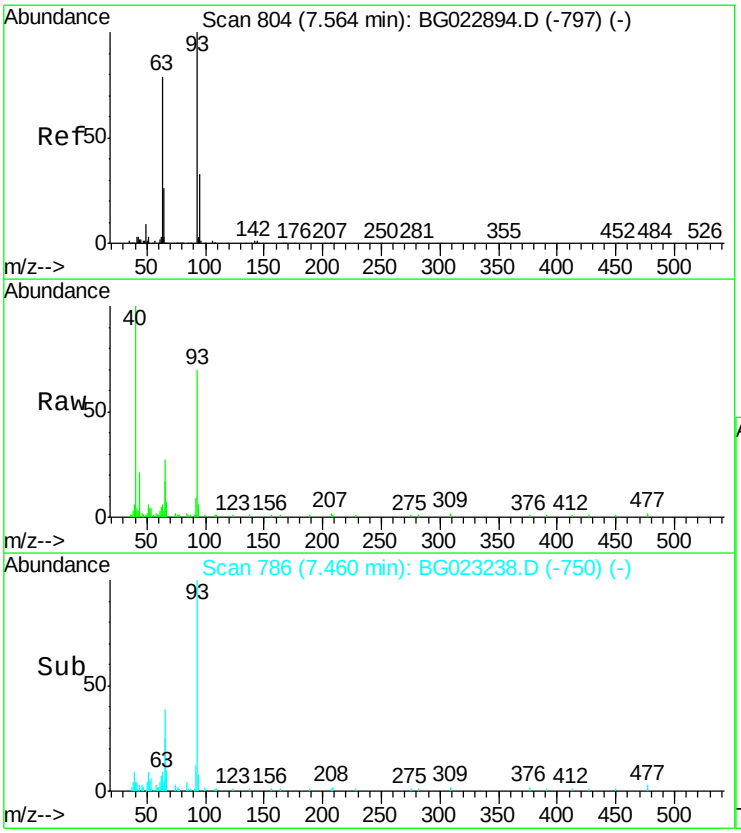
#7
Phenol-d6
Concen: 105.76 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.01 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion: 99 Resp: 1286598

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.8	26.6
71	48.4	41.5	62.3

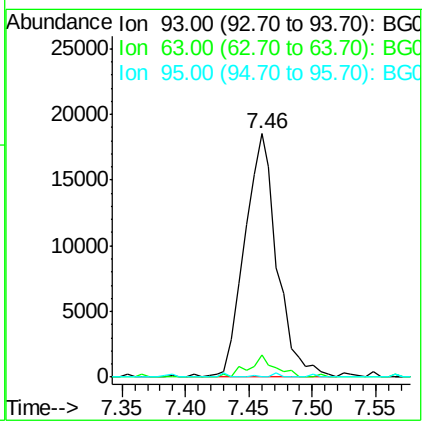


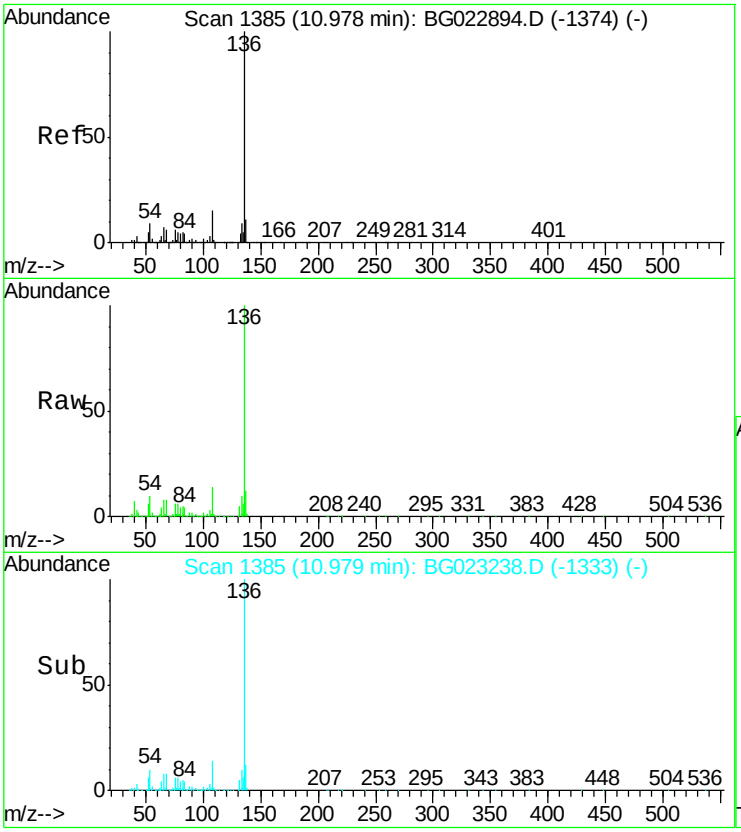


#11
bis(2-Chloroethyl)ether
Concen: 3.32 ng
RT: 7.46 min Scan# 786
Delta R.T. -0.09 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion: 93 Resp: 32955

Ion	Ratio	Lower	Upper
93	100		
63	9.0	55.0	95.0#
95	0.0	11.0	51.0#



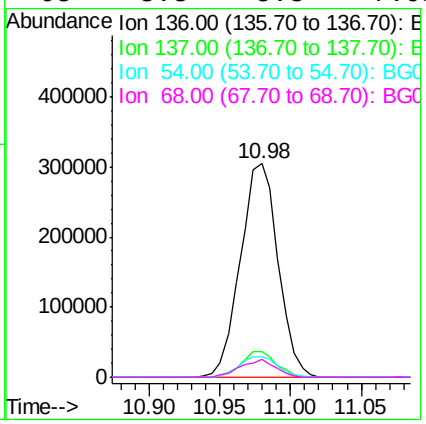


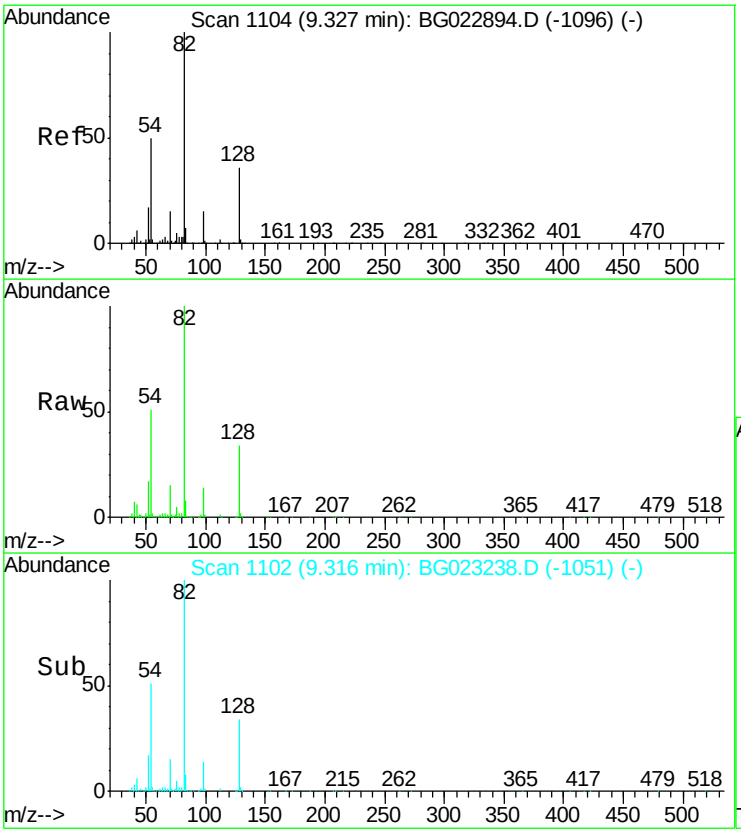
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:136 Resp: 570071

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	9.9	7.3	10.9
68	8.3	5.3	7.9#

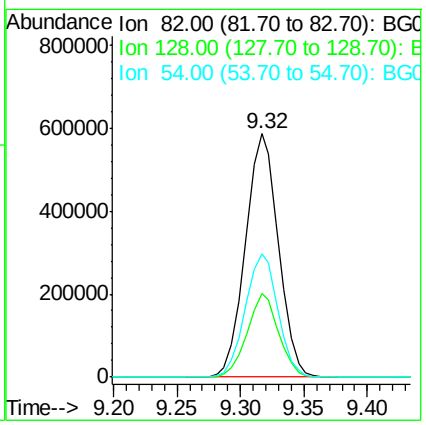


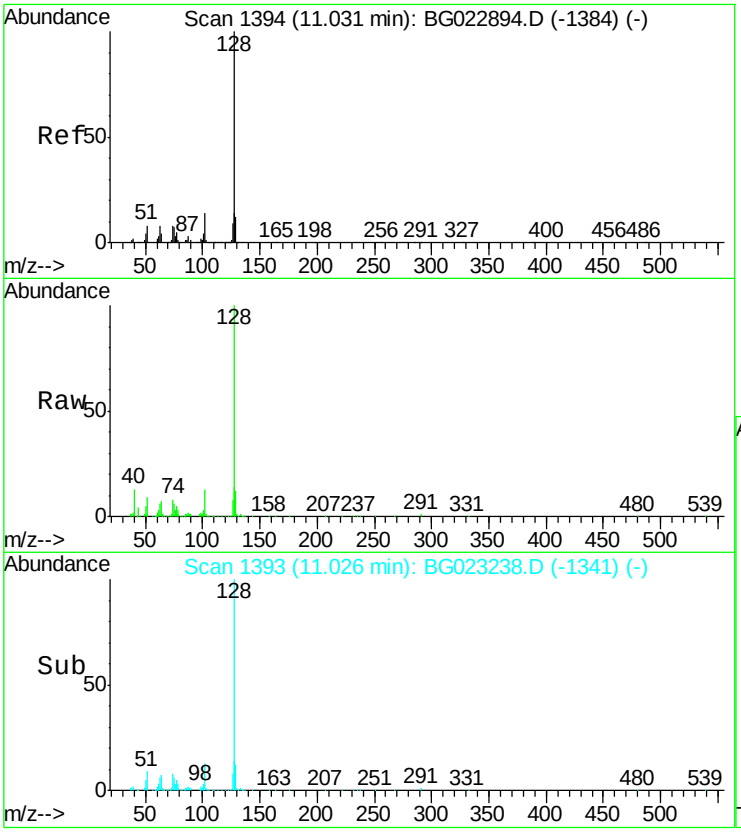


#23
Nitrobenzene-d5
Concen: 79.65 ng
RT: 9.32 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion: 82 Resp: 1060348

Ion	Ratio	Lower	Upper
82	100		
128	34.3	24.4	36.6
54	50.6	41.4	62.0



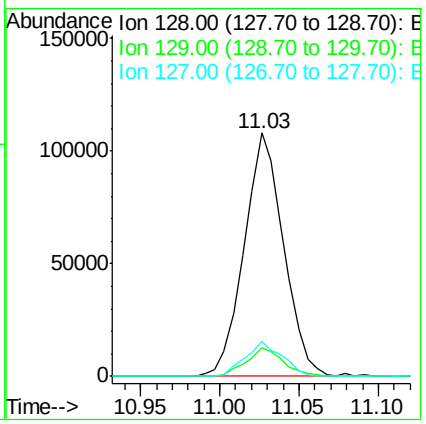


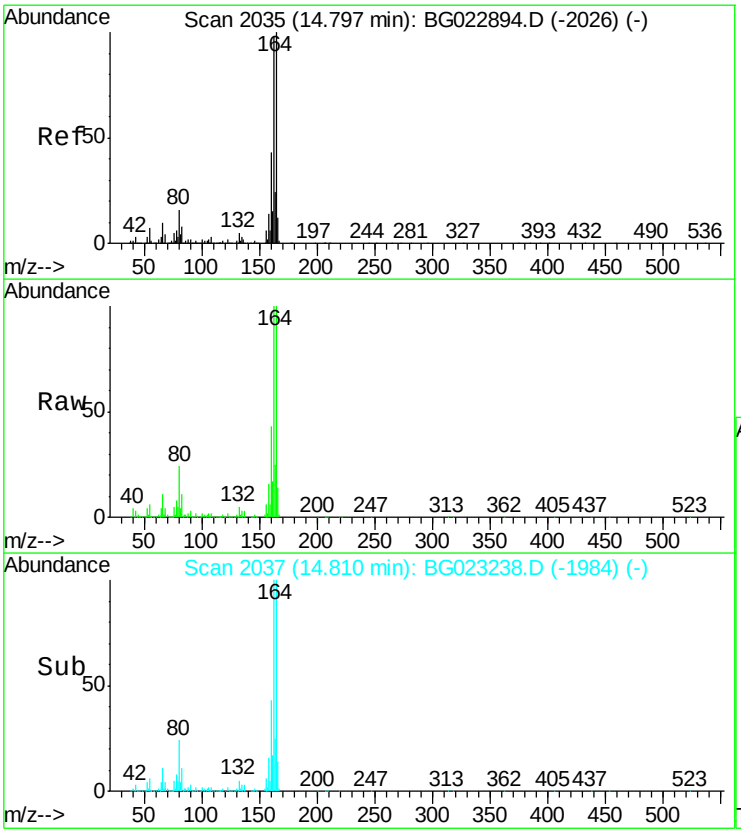
#31
Naphthalene
Concen: 6.40 ng
RT: 11.03 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:128 Resp: 185813

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.0
127	14.3	11.3	16.9

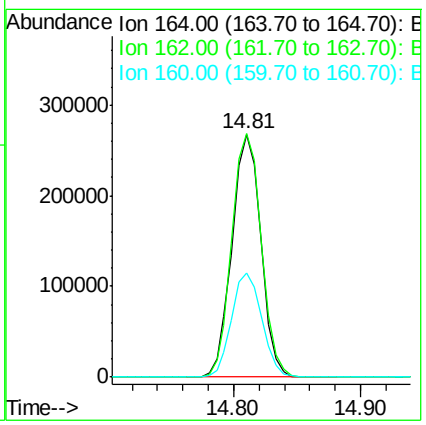


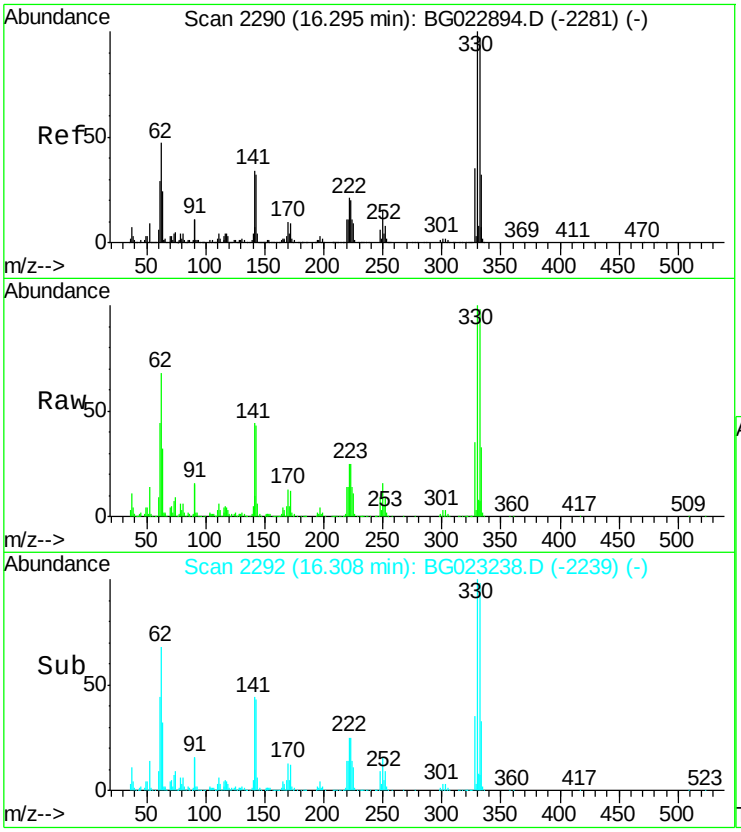


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion:164 Resp: 419170

Ion	Ratio	Lower	Upper
164	100		
162	100.5	87.7	131.5
160	43.0	37.2	55.8



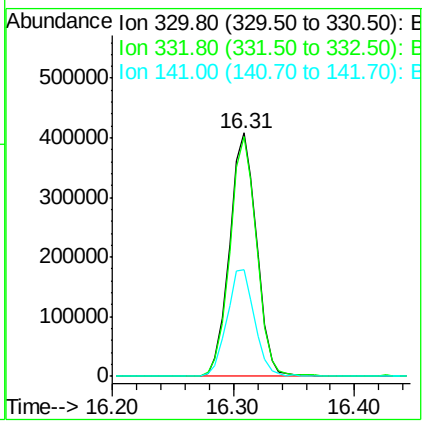


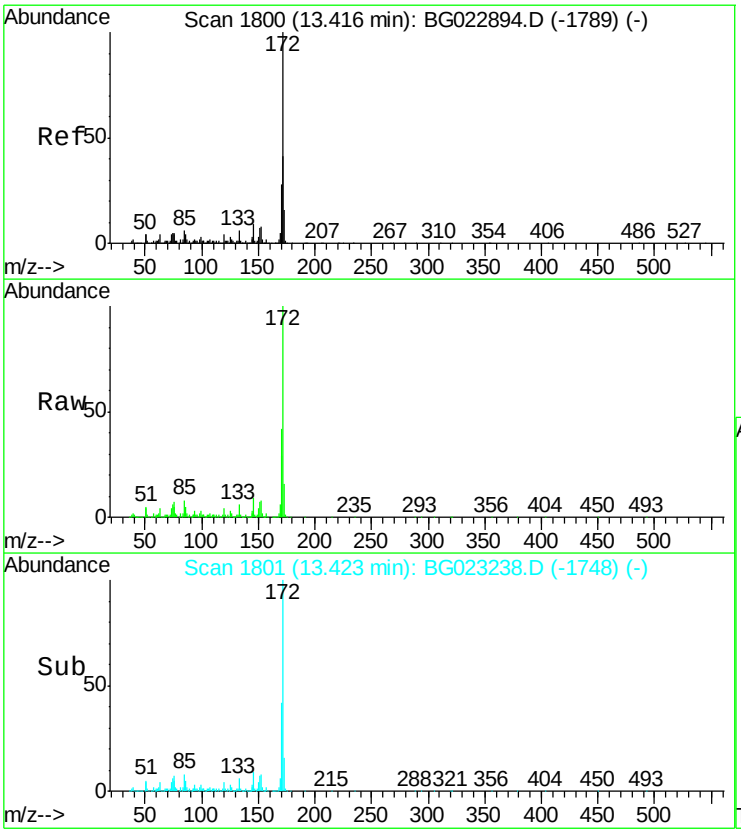
#41
2,4,6-Tribromophenol
Concen: 84.49 ng
RT: 16.31 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:330 Resp: 636498

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	44.8	31.7	47.5

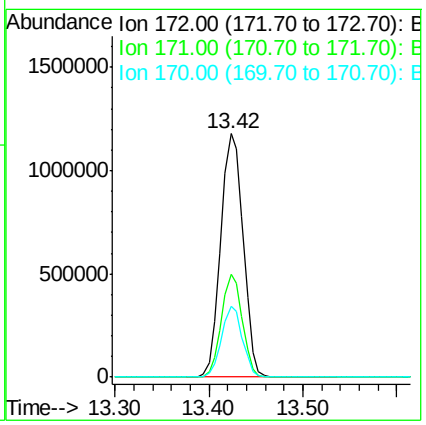


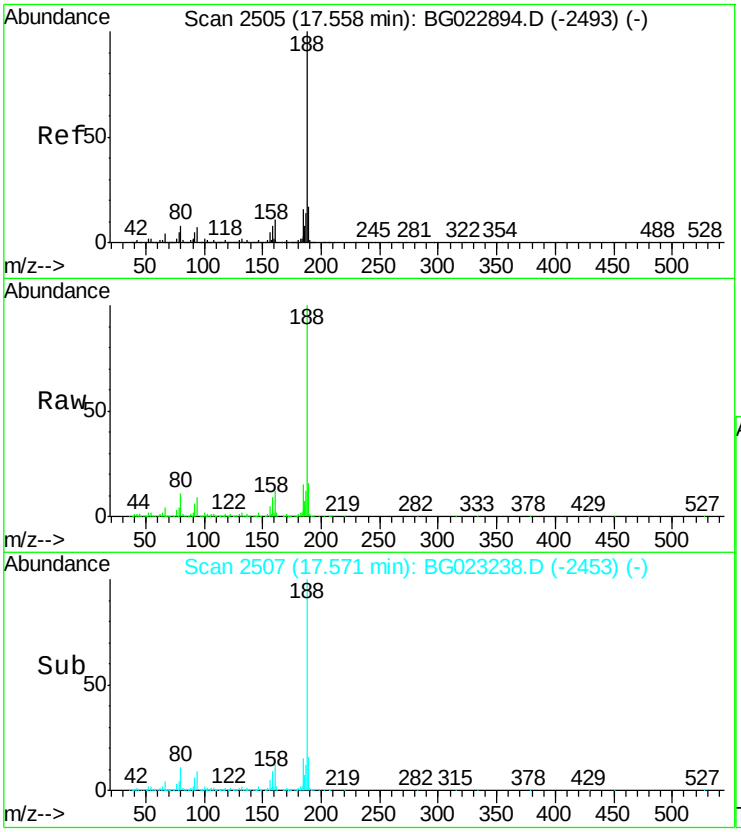


#44
2-Fluorobiphenyl
Concen: 73.50 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion:172 Resp: 1956054

Ion	Ratio	Lower	Upper
172	100		
171	42.0	31.6	47.4
170	29.1	21.3	31.9



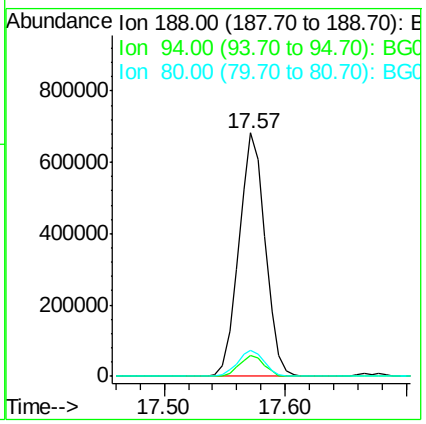


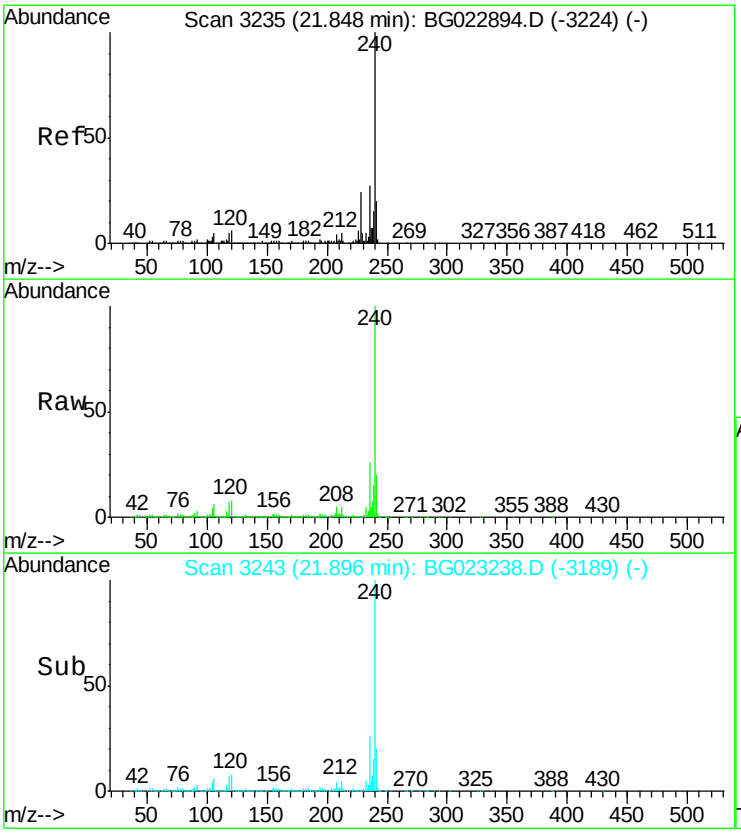
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:188 Resp: 1035329

Ion	Ratio	Lower	Upper
188	100		
94	8.7	5.2	7.8#
80	10.7	7.2	10.8

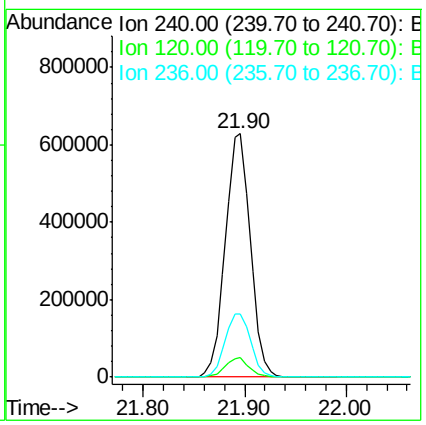


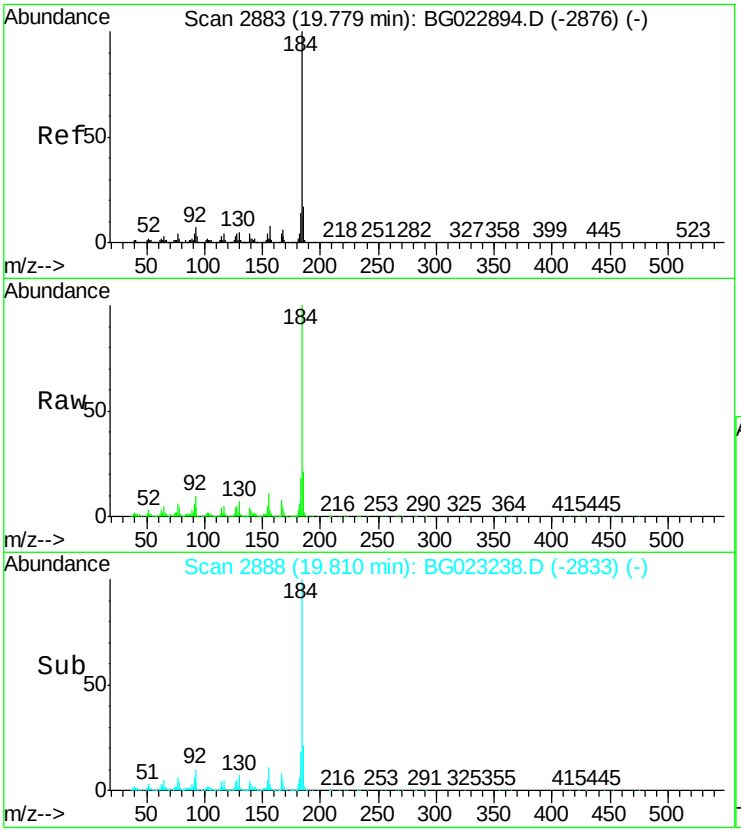


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3243
Delta R.T. 0.02 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion:240 Resp: 1074794

Ion	Ratio	Lower	Upper
240	100		
120	8.1	4.1	6.1#
236	26.1	21.1	31.7



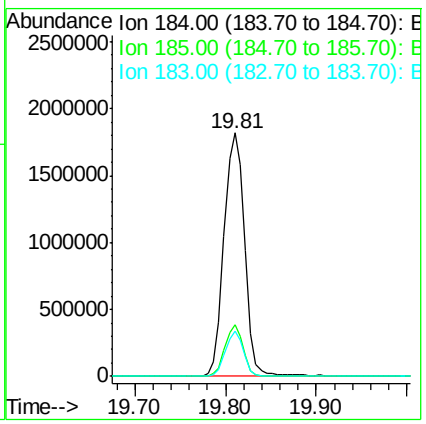


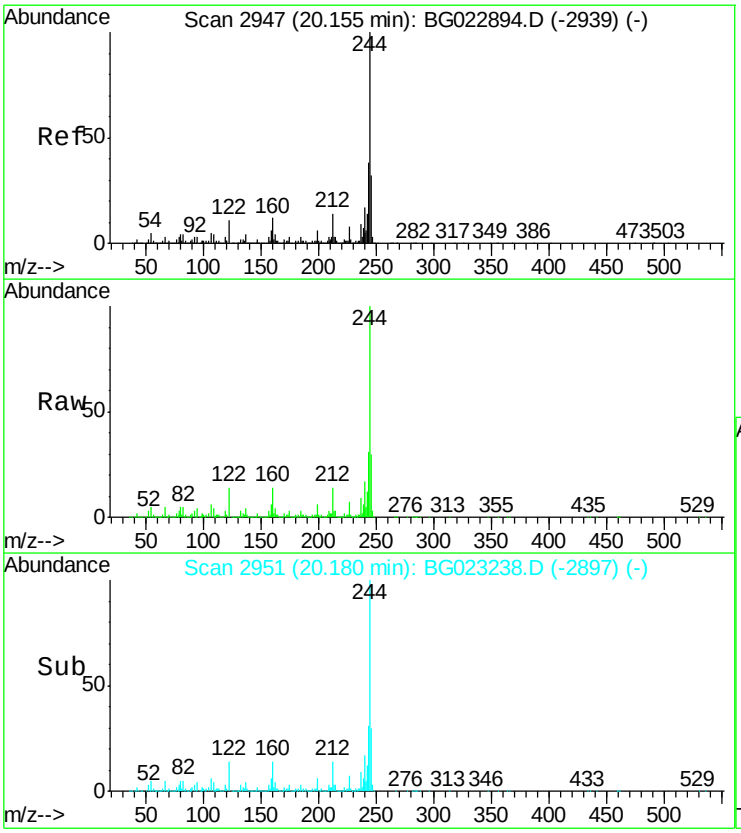
#76
Benzidine
Concen: 93.69 ng
RT: 19.81 min Scan# 2888
Delta R.T. 0.02 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:184 Resp: 2886870

Ion	Ratio	Lower	Upper
184	100		
185	21.5	12.6	19.0#
183	18.4	10.7	16.1#

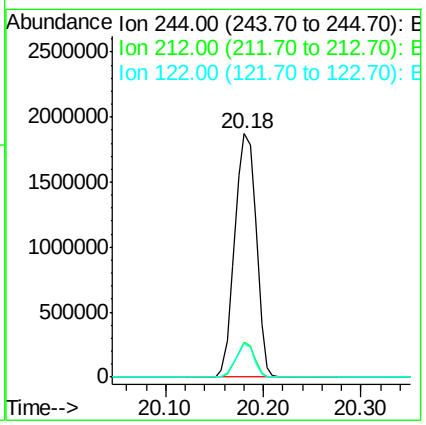


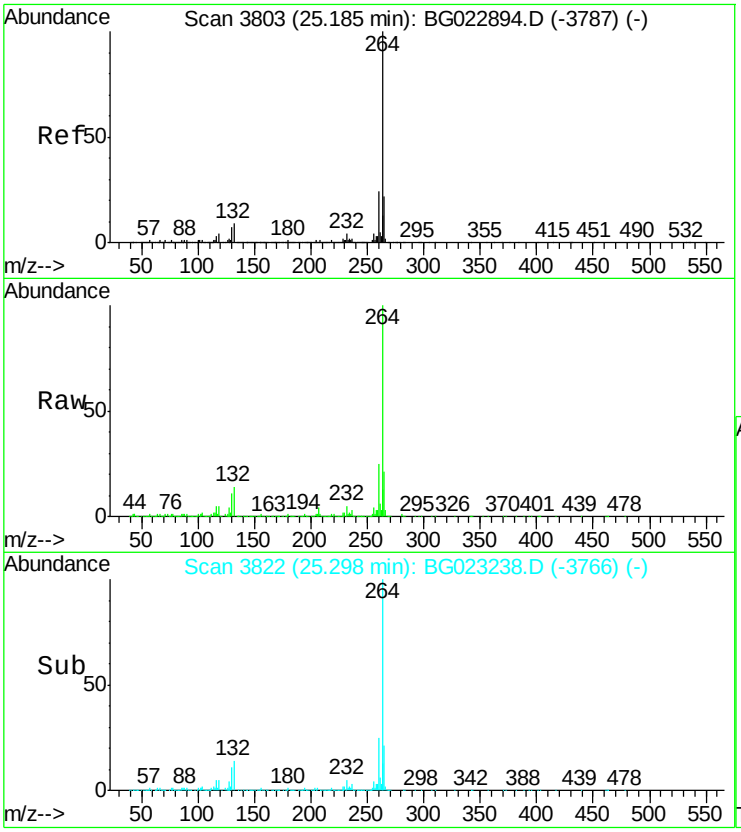


#78
Terphenyl-d14
Concen: 84.51 ng
RT: 20.18 min Scan# 2951
Delta R.T. 0.02 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Tgt Ion:244 Resp: 2869928

Ion	Ratio	Lower	Upper
244	100		
212	14.3	10.8	16.2
122	13.6	8.0	12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3822
Delta R.T. 0.03 min
Lab File: BG023238.D
Acq: 23 Jul 2016 6:11

Instrument :
BNA_G
ClientSampleId :
D-20

Tgt Ion:264 Resp: 1024365

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.4	27.6
265	21.1	18.9	28.3