Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023728.D
Acq On : 15 Aug 2016 19:43
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AW-1

Quant Time: Aug 16 14:01:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	138451	20.00	ng		-0.01
21) Naphthalene-d8	10.95	136	643766	20.00	ng		0.00
38) Acenaphthene-d10	14.80	164	437191	20.00	ng		0.01
63) Phenanthrene-d10	17.57	188	692208	20.00	ng		0.02
75) Chrysene-d12	21.90	240	687957	20.00	ng		0.04
86) Perylene-d12	25.32	264	682194	20.00	ng		0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.65	112	438162	53.27	ng		-0.01
7) Phenol-d6	7.29	99	456155	35.61	ng		0.01
23) Nitrobenzene-d5	9.29	82	1028333	79.41	ng		0.00
41) 2,4,6-Tribromophenol	16.30	330	590609	92.36	ng		0.02
44) 2-Fluorobiphenyl	13.41	172	2073084	79.98	ng		0.02
78) Terphenyl-d14	20.18	244	1596404	69.02	ng		0.02
Target Compounds							Qvalue
31) Naphthalene	10.99	128	349712	10.67	ng	#	93
37) 2-Methylnaphthalene	12.62	142	954460	38.30	ng		93
45) 1,1'-Biphenyl	13.62	154	132944	3.98	ng		97
49) Dimethylphthalate	14.24	163	293900	8.76	ng		96
51) Acenaphthene	14.86	154	224464	8.67	ng	#	83
57) Fluorene	15.85	166	309049	9.42	ng	#	96
70) Phenanthrene	17.61	178	1302941	37.10	ng		95
71) Anthracene	17.70	178	213688m	6.05	ng		
77) Pyrene	19.99	202	994173	20.77	ng	#	72
80) Benzo(a)anthracene	21.87	228	449395m	11.83	ng		
82) Chrysene	21.94	228	827666	22.91	ng	#	69
89) Benzo(a)pyrene	25.16	252	223586	6.12	ng	#	66

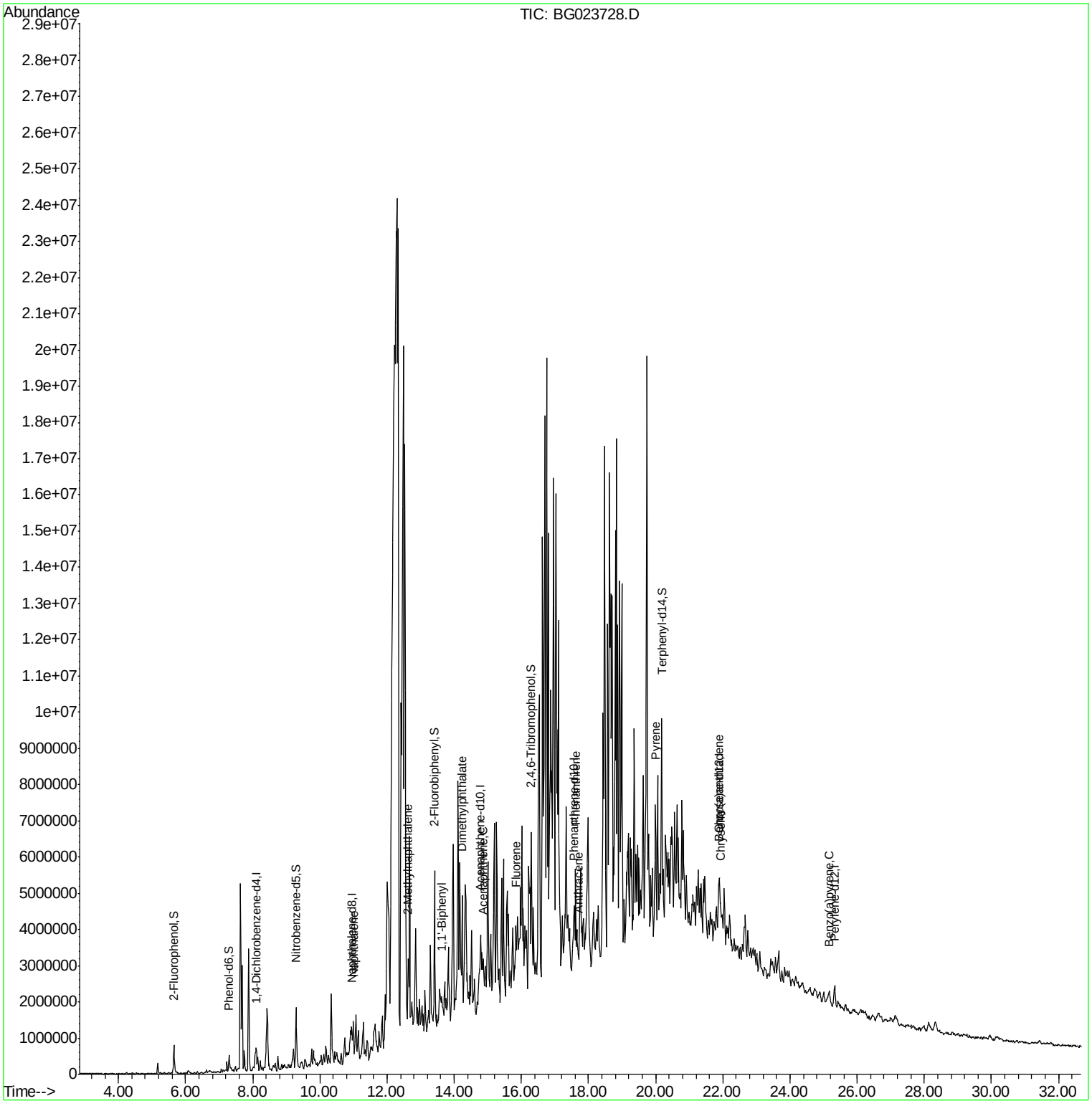
(#) = qualifier out of range (m) = manual integration (+) = signals summed

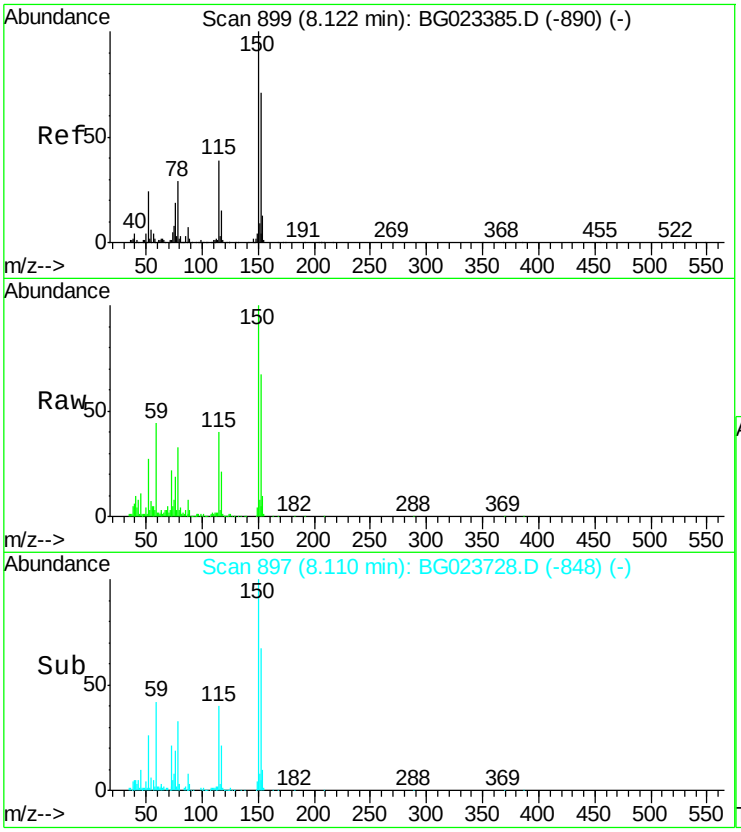
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
Data File : BG023728.D
Acq On : 15 Aug 2016 19:43
Operator : UM/SJ
Sample : H4422-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AW-1

Quant Time: Aug 16 14:01:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration



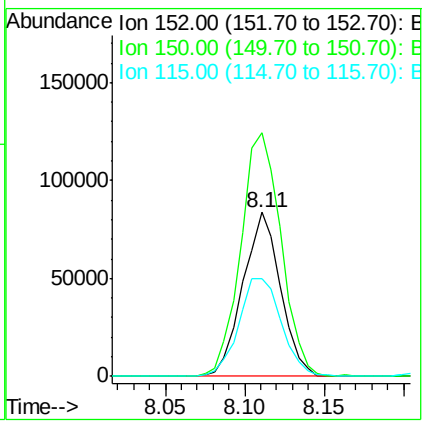


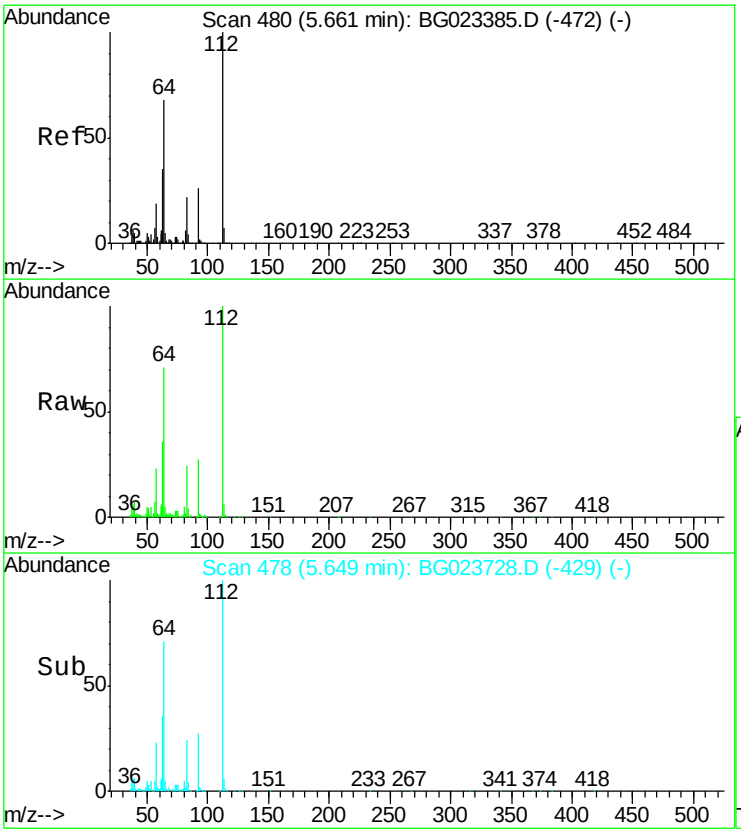
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:152 Resp: 138451

Ion	Ratio	Lower	Upper
152	100		
150	148.4	144.7	217.1
115	59.5	64.0	96.0#

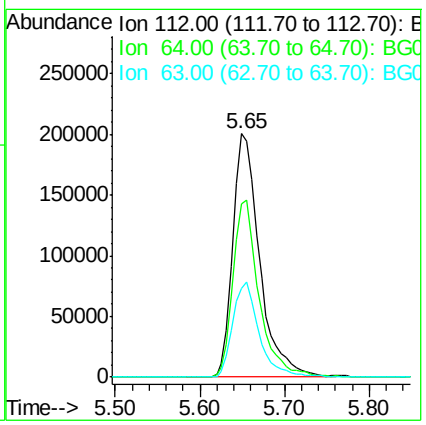


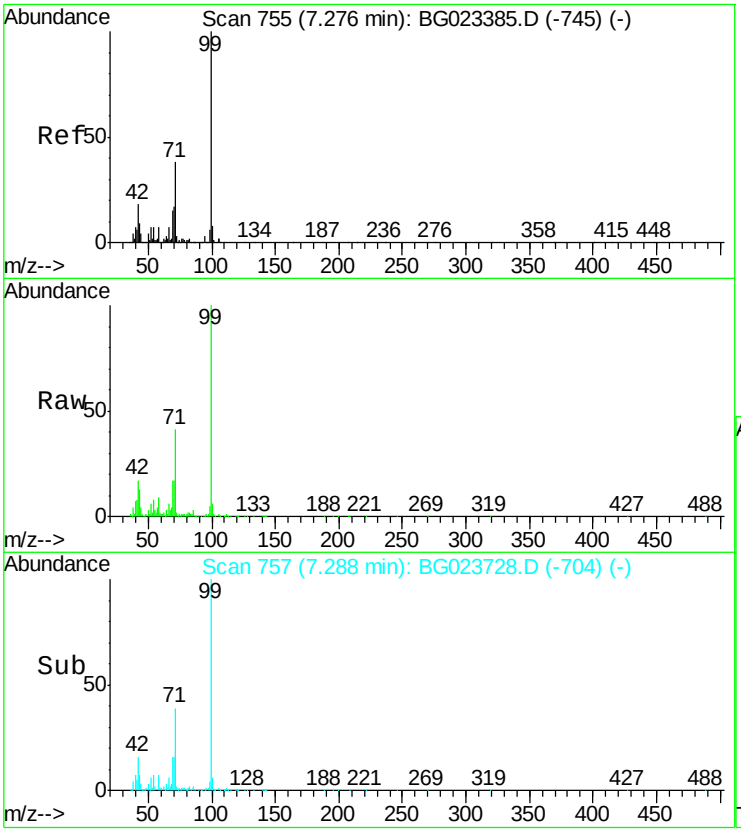


#5
2-Fluorophenol
Concen: 53.27 ng
RT: 5.65 min Scan# 478
Delta R.T. -0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:112 Resp: 438162

Ion	Ratio	Lower	Upper
112	100		
64	71.1	59.0	88.4
63	36.5	37.8	56.8#



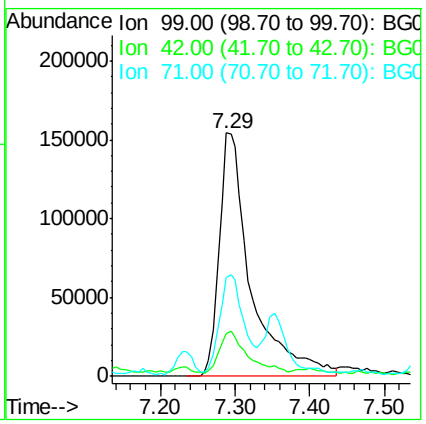


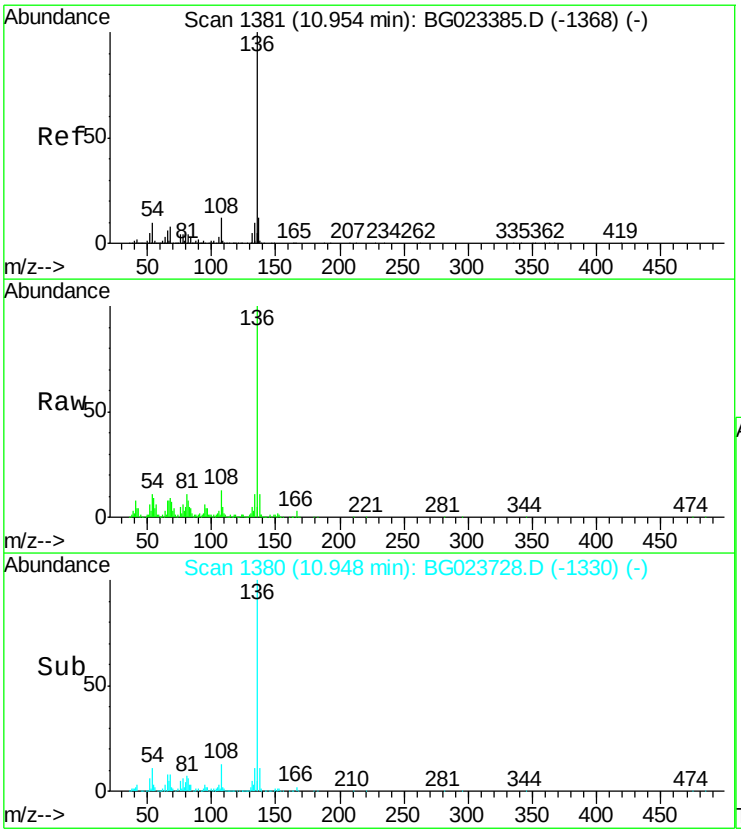
#7
Phenol-d6
Concen: 35.61 ng
RT: 7.29 min Scan# 757
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion: 99 Resp: 456155

Ion	Ratio	Lower	Upper
99	100		
42	17.4	17.8	26.6#
71	40.6	41.5	62.3#

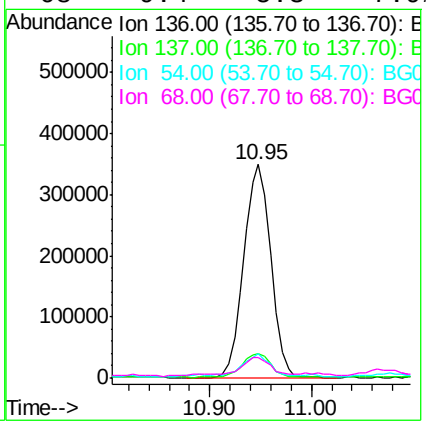


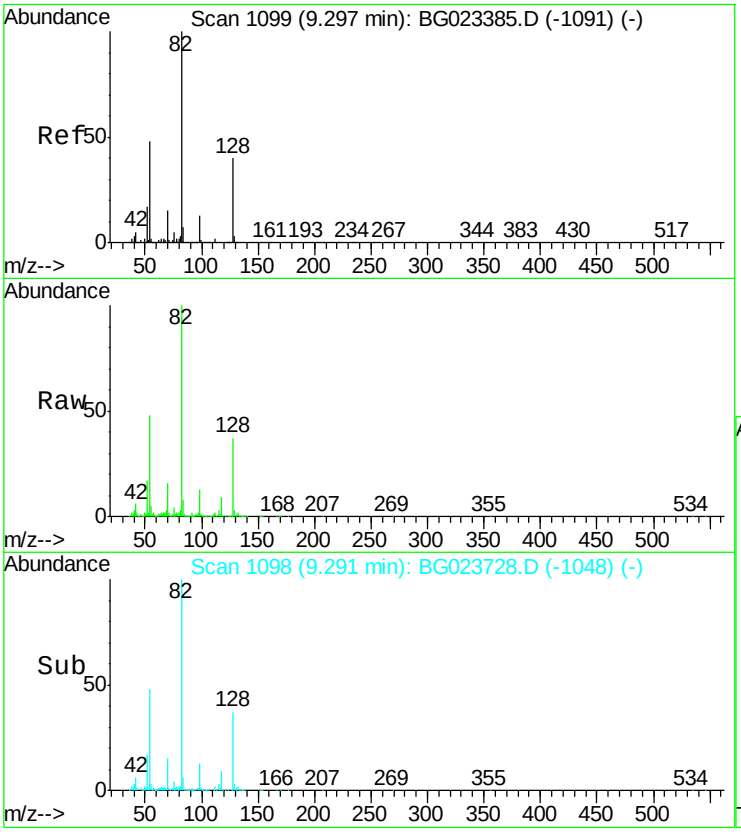


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:136 Resp: 643766

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	11.2	7.3	10.9#
68	9.4	5.3	7.9#



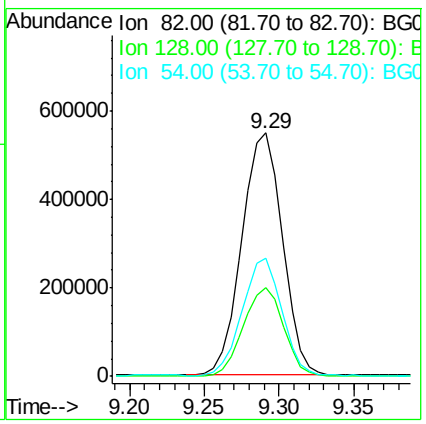


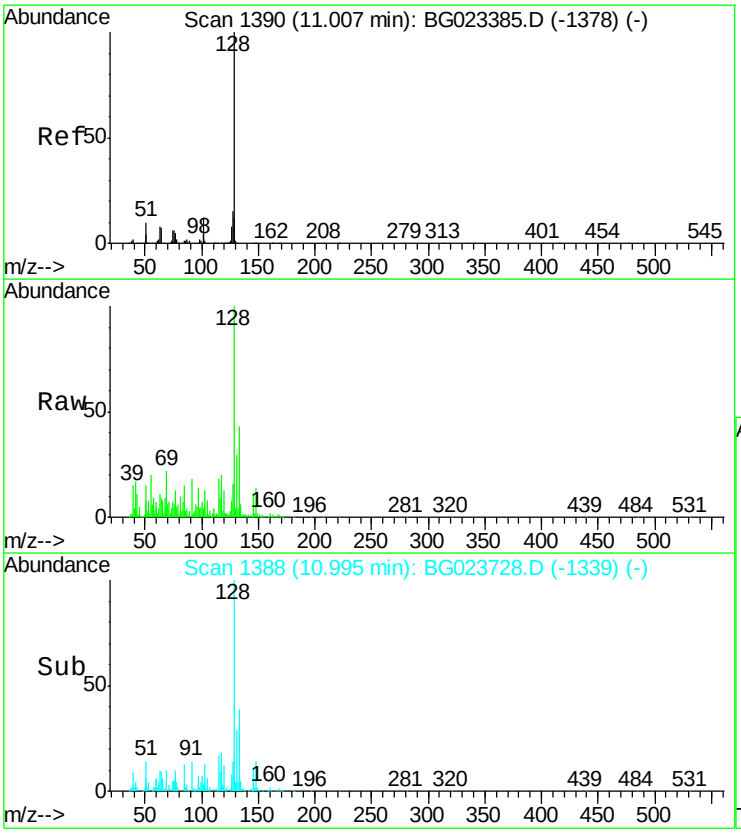
#23
Nitrobenzene-d5
Concen: 79.41 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion: 82 Resp: 1028333

Ion	Ratio	Lower	Upper
82	100		
128	36.5	24.4	36.6
54	48.3	41.4	62.0

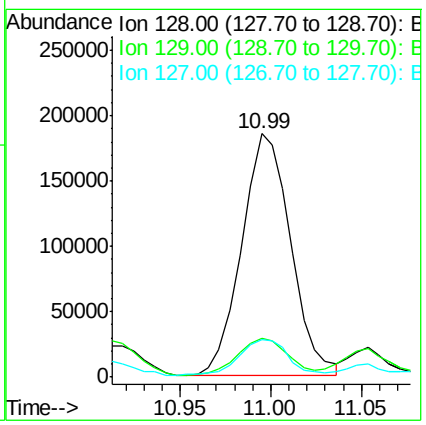


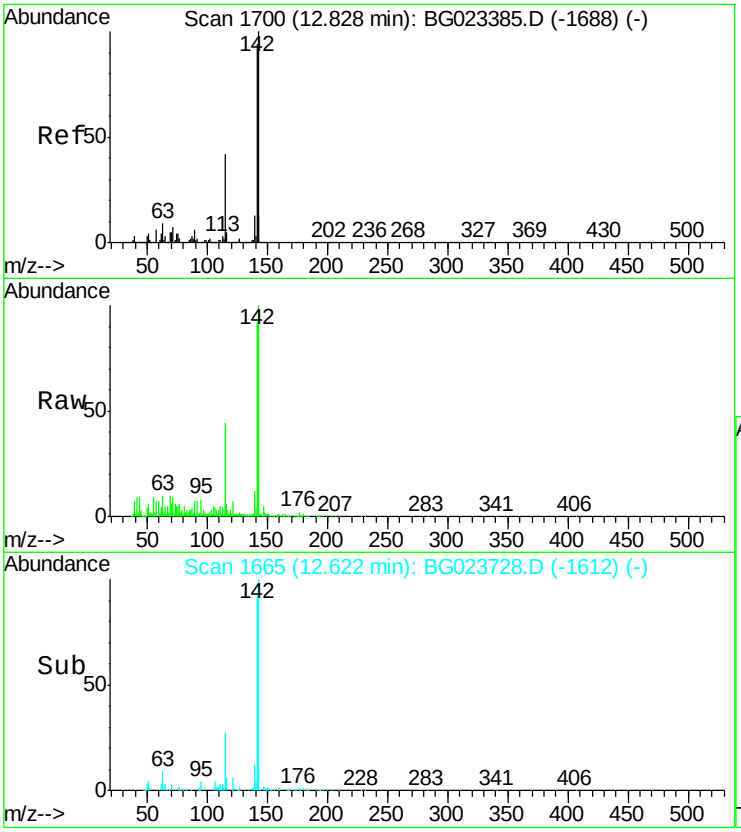


#31
Naphthalene
Concen: 10.67 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:128 Resp: 349712

Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.4	14.0#
127	15.6	11.3	16.9



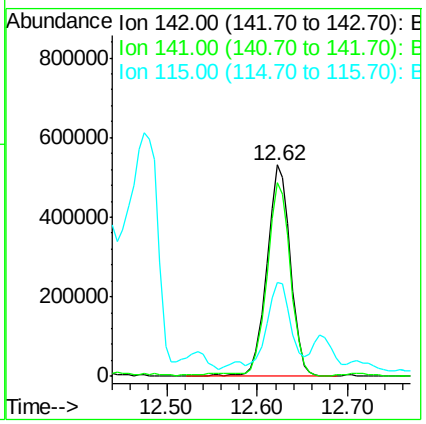


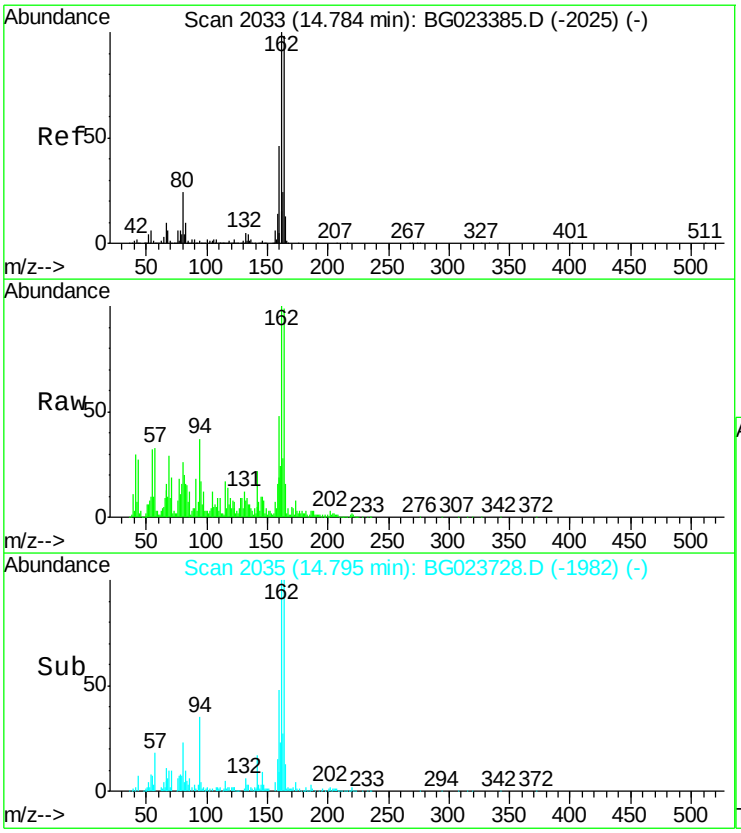
#37
2-Methylnaphthalene
Concen: 38.30 ng
RT: 12.62 min Scan# 1665
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:142 Resp: 954460

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.2	105.2
115	44.5	41.7	62.5

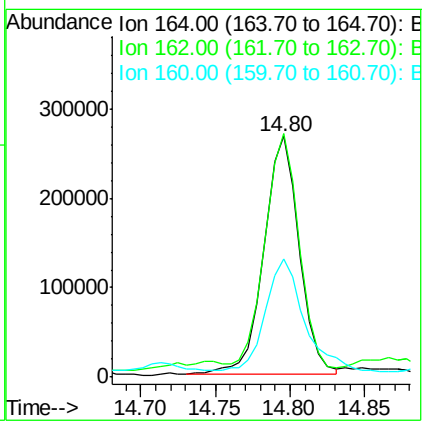


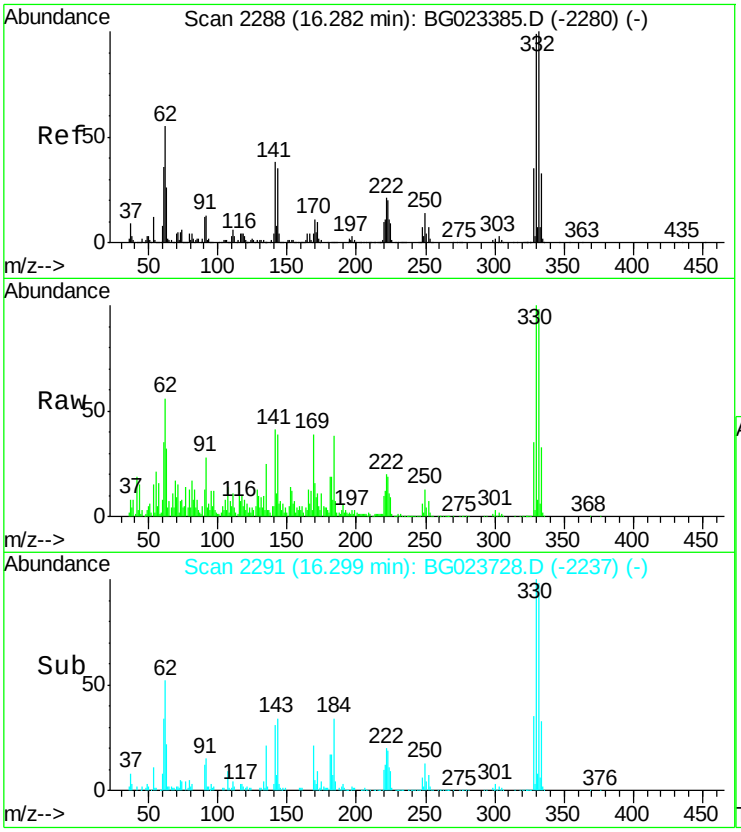


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:164 Resp: 437191

Ion	Ratio	Lower	Upper
164	100		
162	101.2	87.7	131.5
160	48.9	37.2	55.8



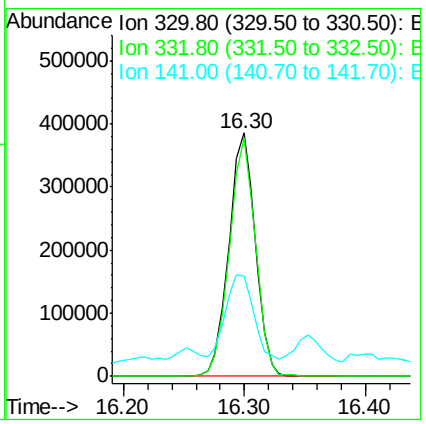


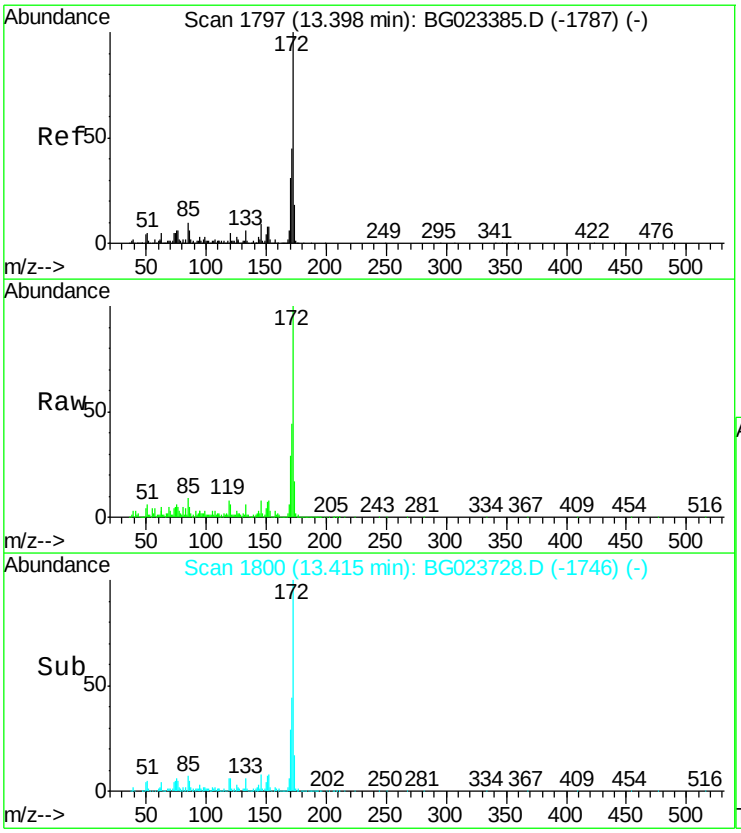
#41
2,4,6-Tribromophenol
Concen: 92.36 ng
RT: 16.30 min Scan# 2291
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:330 Resp: 590609

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	37.8	31.7	47.5

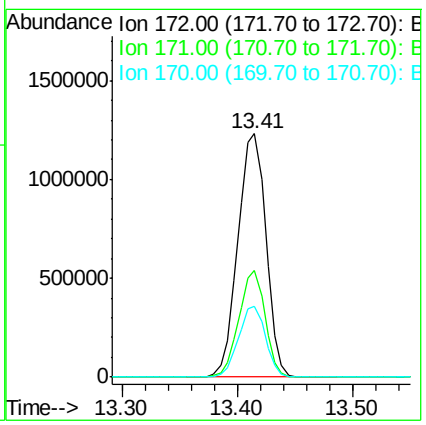


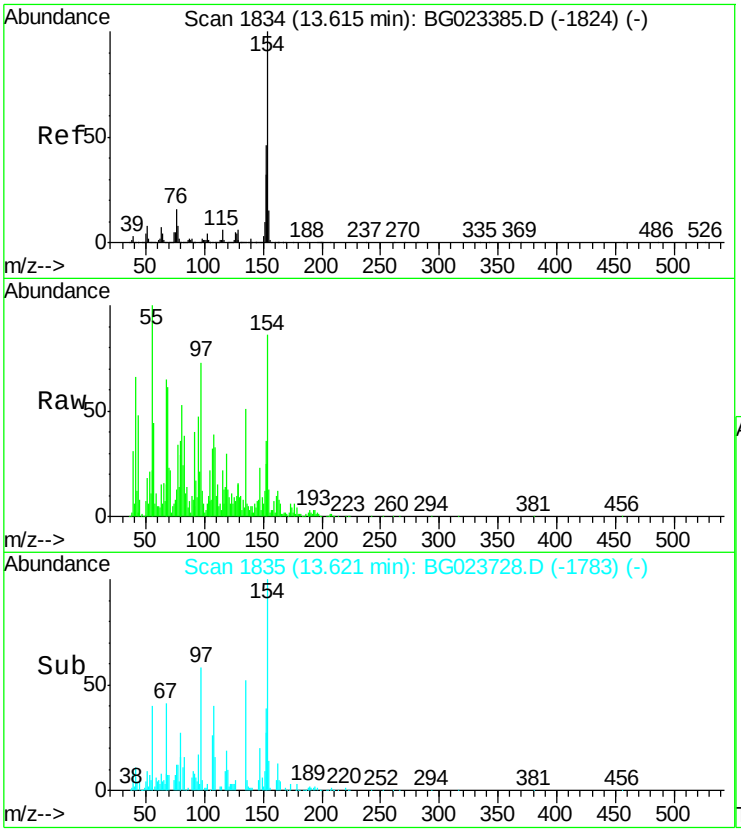


#44
2-Fluorobiphenyl
Concen: 79.98 ng
RT: 13.41 min Scan# 1800
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:172 Resp: 2073084

Ion	Ratio	Lower	Upper
172	100		
171	43.8	31.6	47.4
170	29.1	21.3	31.9



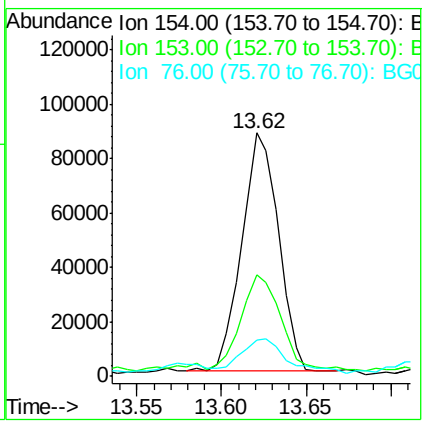


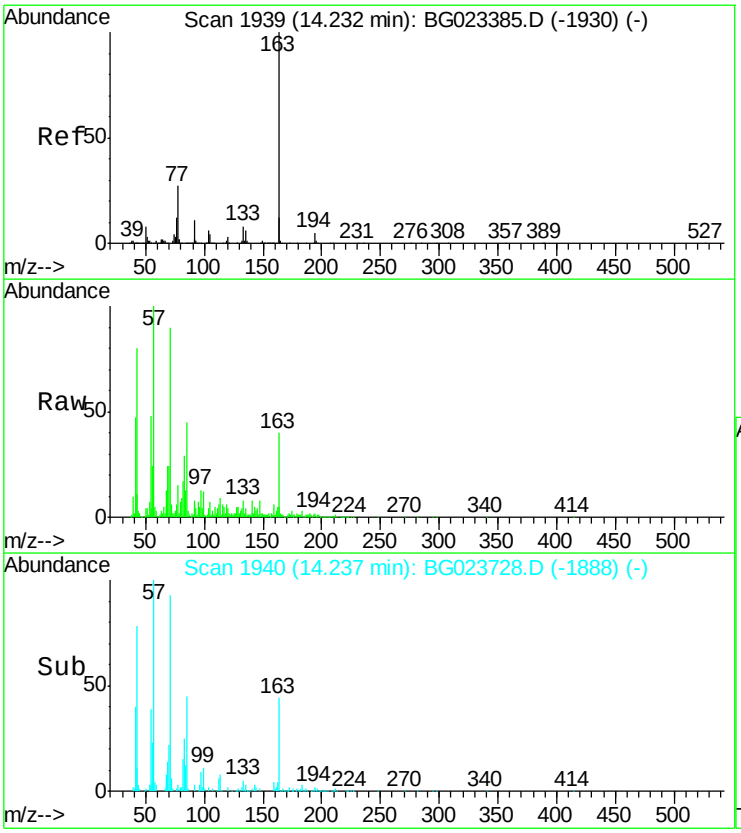
#45
1,1'-Biphenyl
Concen: 3.98 ng
RT: 13.62 min Scan# 1835
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:154 Resp: 132944

Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.2	60.2
76	14.7	0.0	32.9

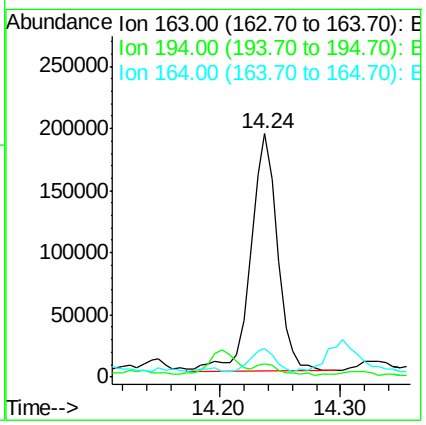


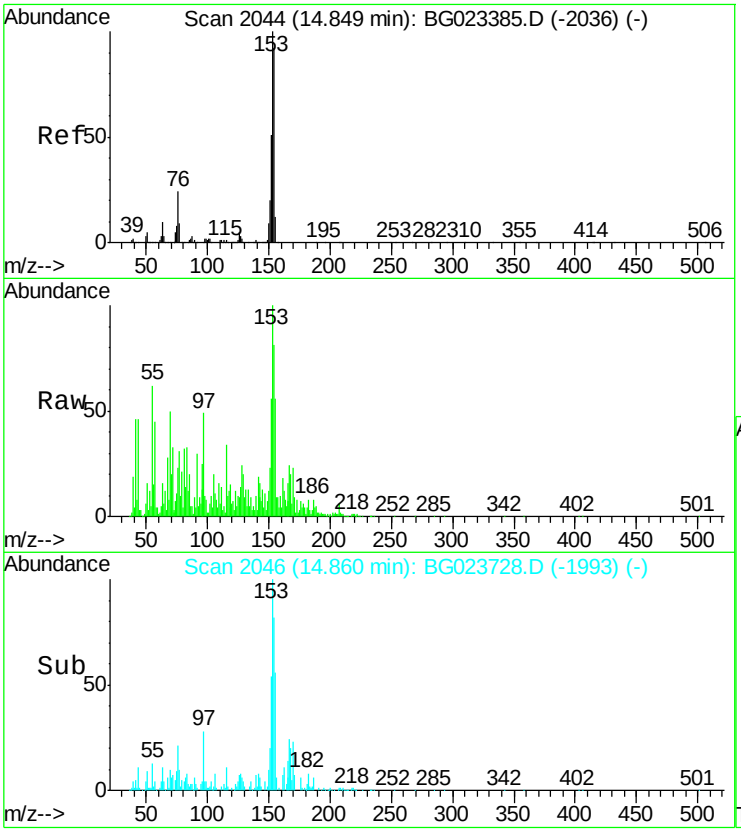


#49
Dimethylphthalate
Concen: 8.76 ng
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:163 Resp: 293900

Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.6	5.4
164	11.7	8.1	12.1



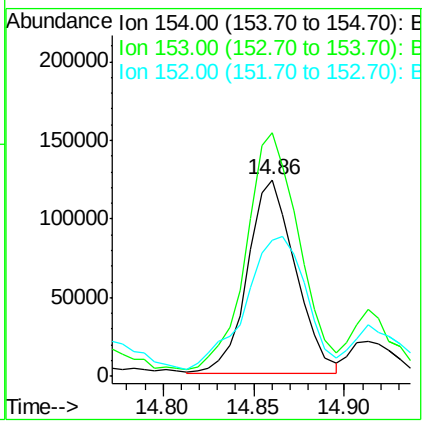


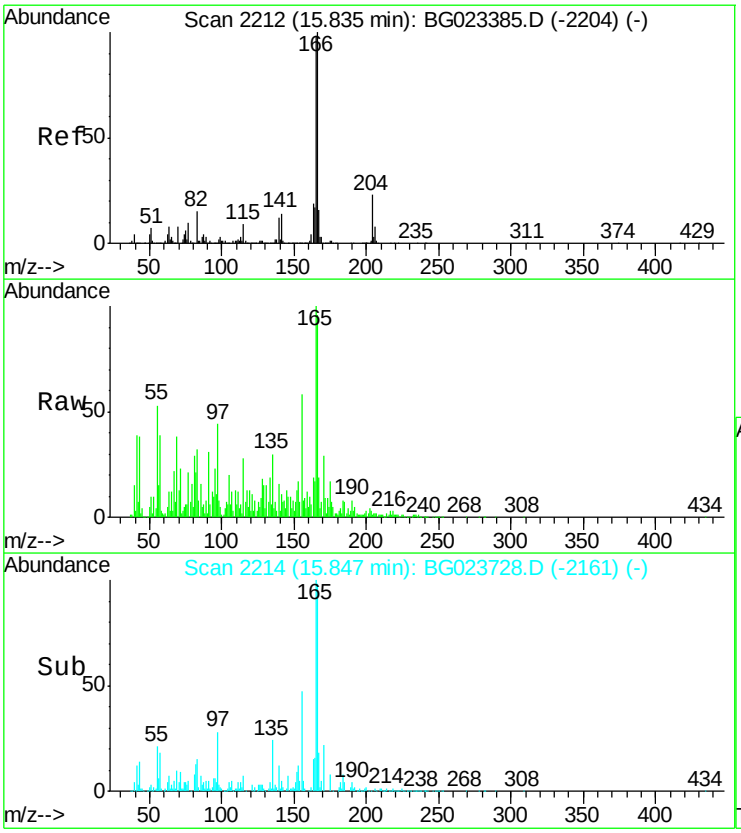
#51
Acenaphthene
Concen: 8.67 ng
RT: 14.86 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:154 Resp: 224464

Ion	Ratio	Lower	Upper
154	100		
153	124.0	87.5	131.3
152	69.6	42.7	64.1#

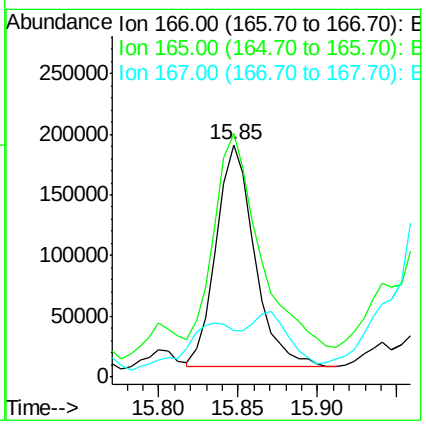


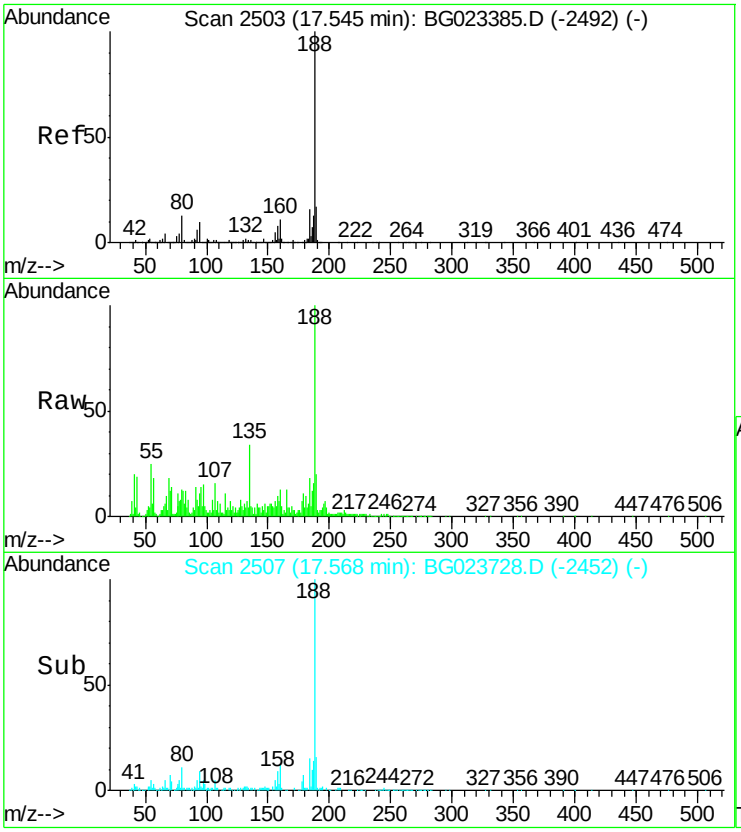


#57
Fluorene
Concen: 9.42 ng
RT: 15.85 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:166 Resp: 309049

Ion	Ratio	Lower	Upper
166	100		
165	104.6	81.0	121.6
167	19.9	12.0	18.0#



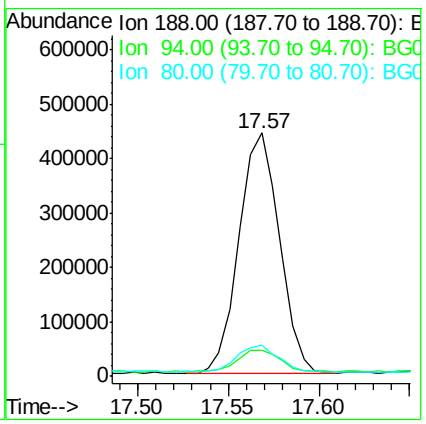


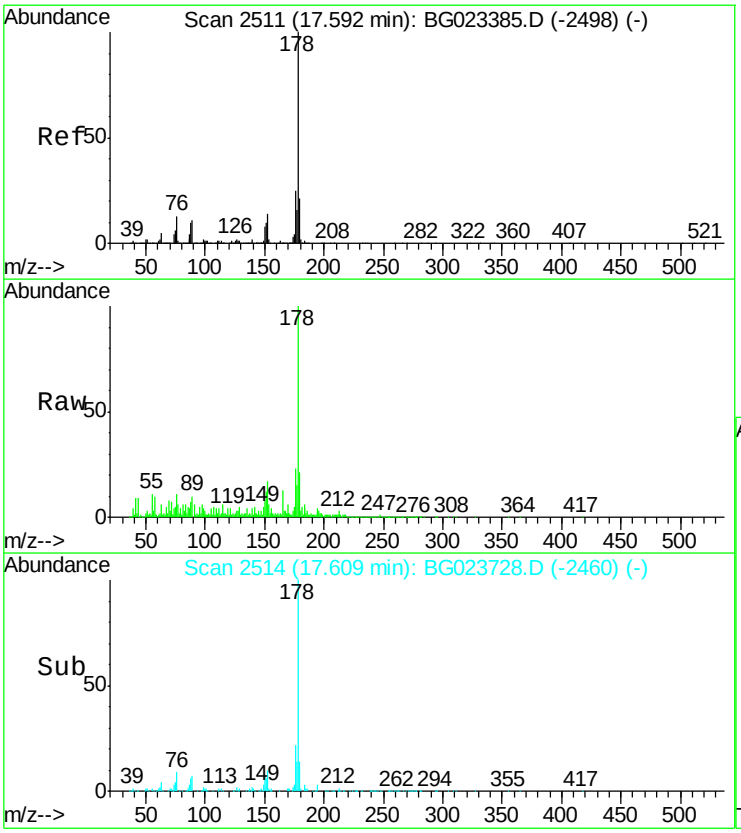
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:188 Resp: 692208

Ion	Ratio	Lower	Upper
188	100		
94	10.6	5.2	7.8#
80	12.7	7.2	10.8#

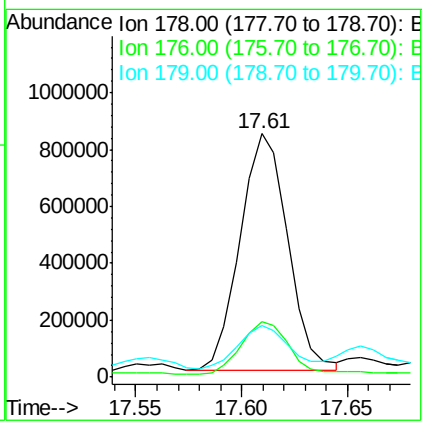


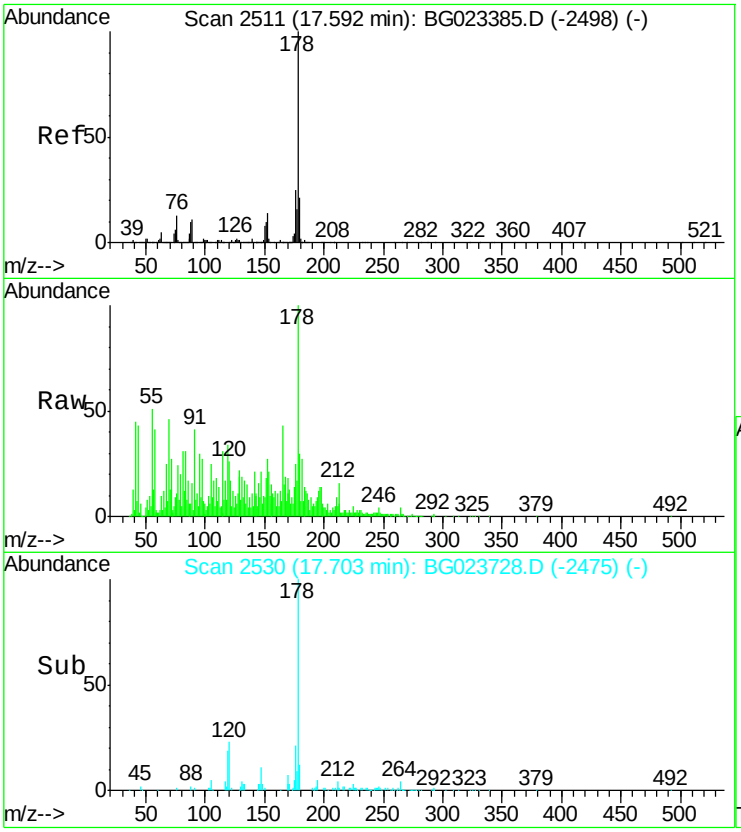


#70
Phenanthrene
Concen: 37.10 ng
RT: 17.61 min Scan# 2514
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:178 Resp: 1302941

Ion	Ratio	Lower	Upper
178	100		
176	22.6	16.8	25.2
179	20.9	14.3	21.5



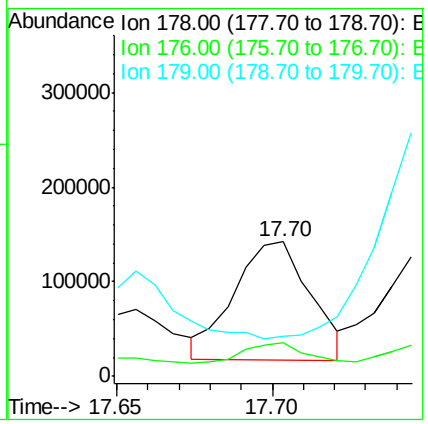


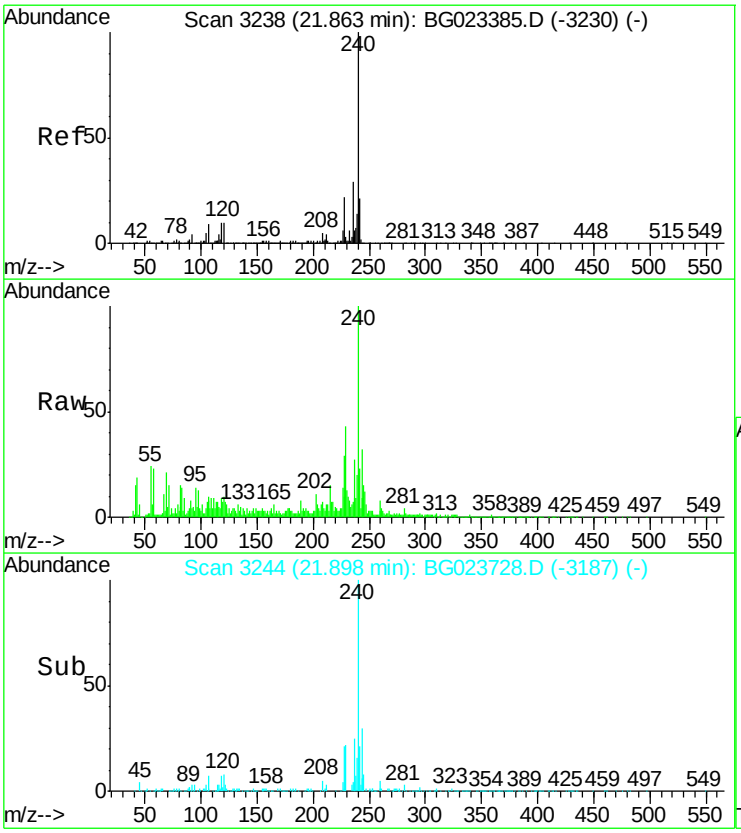
#71
Anthracene
Concen: 6.05 ng m
RT: 17.70 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:178 Resp: 213688

Ion	Ratio	Lower	Upper
178	100		
176	24.6	17.3	25.9
179	30.2	14.0	21.0#

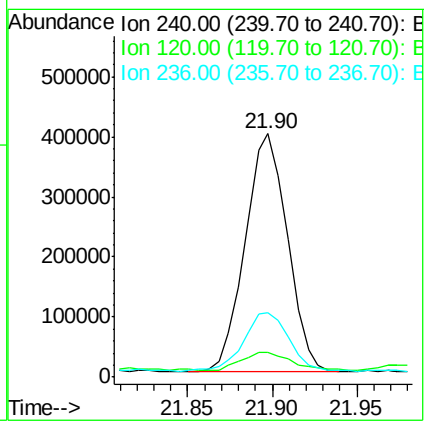


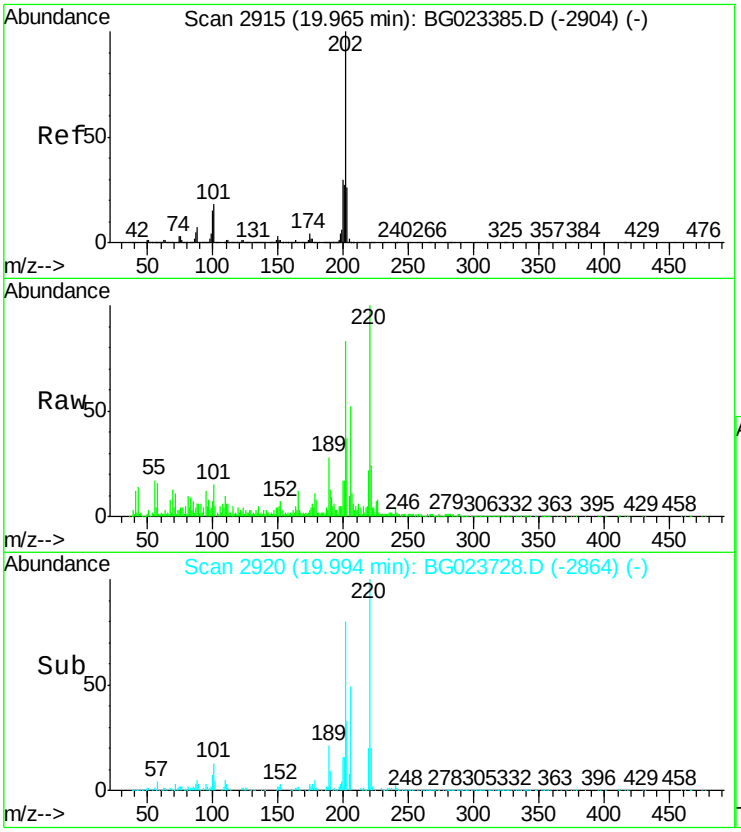


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3244
Delta R.T. 0.04 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:240 Resp: 687957

Ion	Ratio	Lower	Upper
240	100		
120	10.1	4.1	6.1#
236	26.7	21.1	31.7



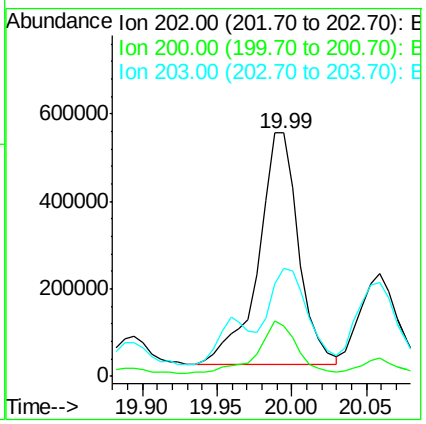


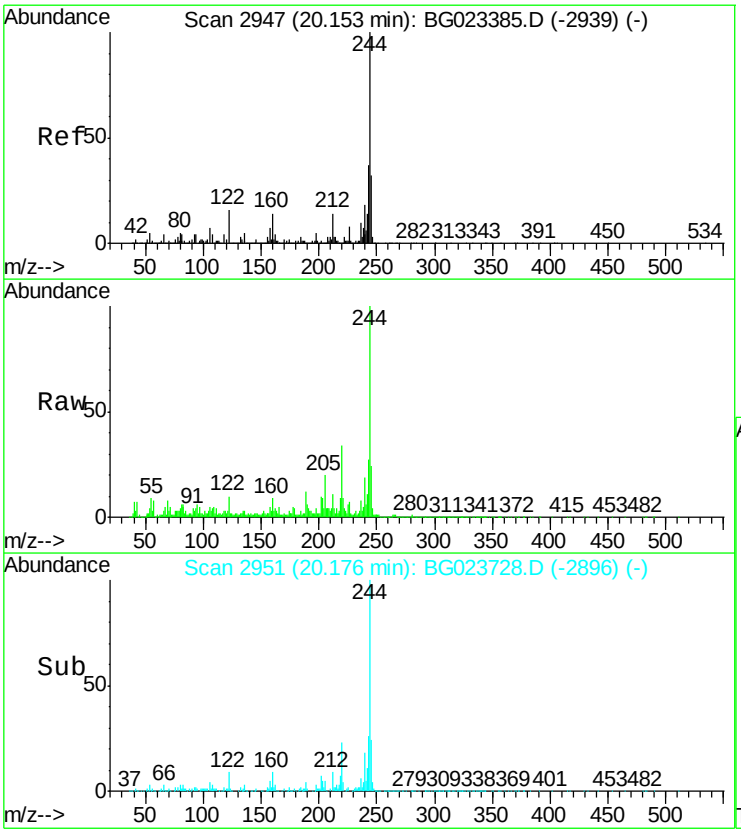
#77
Pyrene
Concen: 20.77 ng
RT: 19.99 min Scan# 2920
Delta R.T. 0.03 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:202 Resp: 994173

Ion	Ratio	Lower	Upper
202	100		
200	20.5	21.2	31.8#
203	44.2	16.8	25.2#

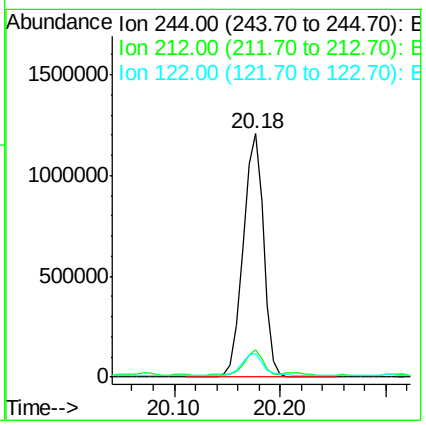


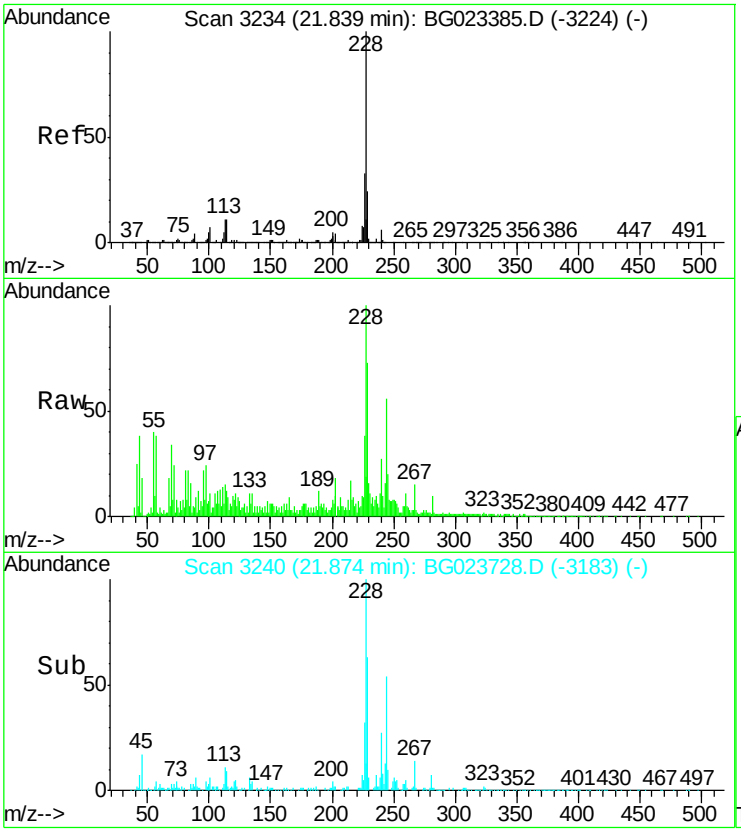


#78
Terphenyl-d14
Concen: 69.02 ng
RT: 20.18 min Scan# 2951
Delta R.T. 0.02 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:244 Resp: 1596404

Ion	Ratio	Lower	Upper
244	100		
212	11.0	10.8	16.2
122	9.5	8.0	12.0



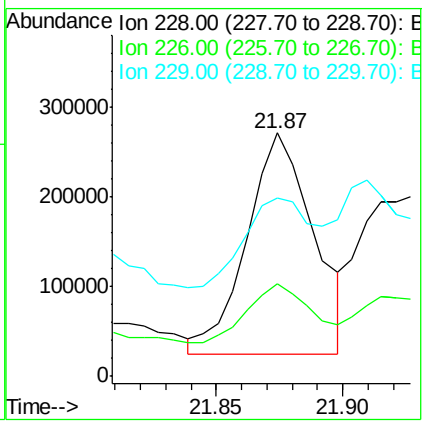


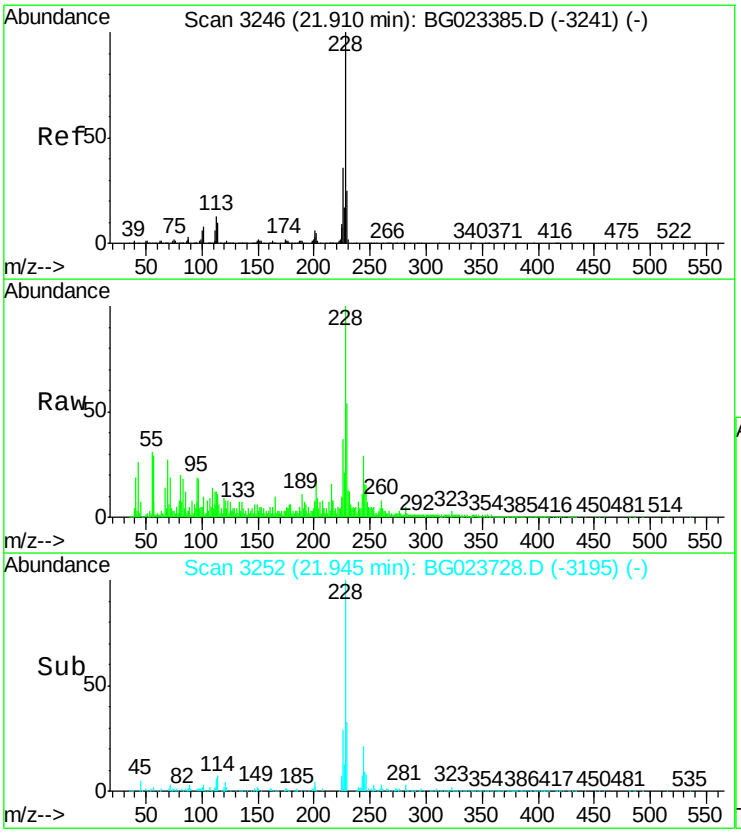
#80
Benzo(a)anthracene
Concen: 11.83 ng m
RT: 21.87 min Scan# 3240
Delta R.T. 0.04 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:228 Resp: 449395

Ion	Ratio	Lower	Upper
228	100		
226	38.1	25.3	37.9#
229	73.2	19.9	29.9#

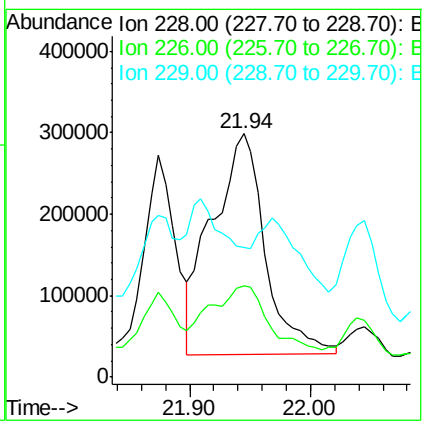


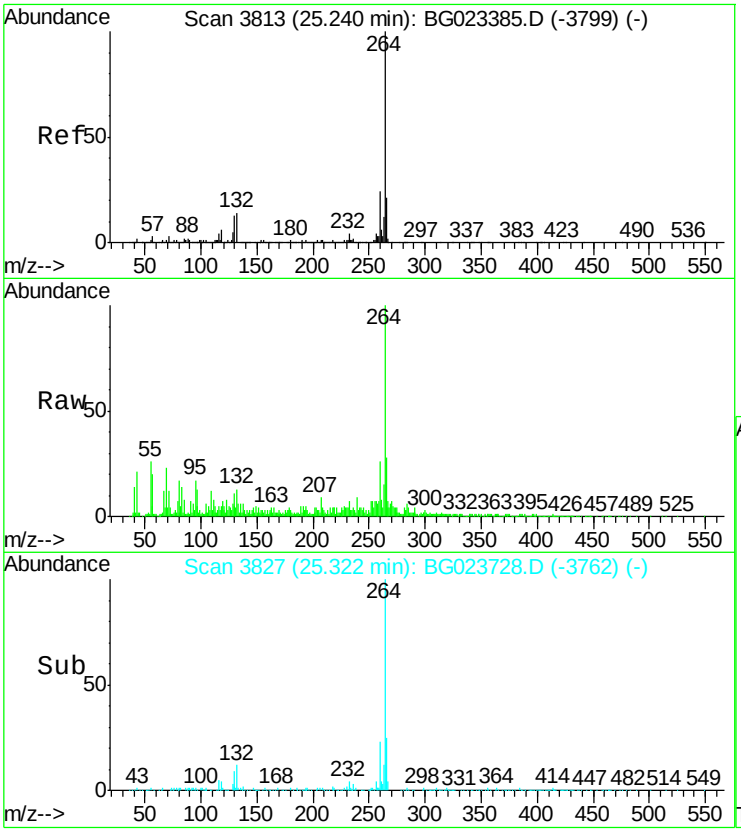


#82
Chrysene
Concen: 22.91 ng
RT: 21.94 min Scan# 3252
Delta R.T. 0.04 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:228 Resp: 827666

Ion	Ratio	Lower	Upper
228	100		
226	37.5	26.7	40.1
229	53.5	17.4	26.2#



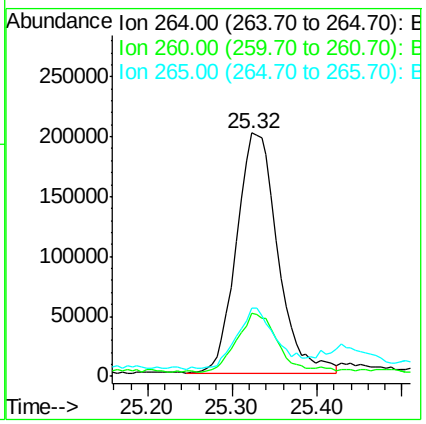


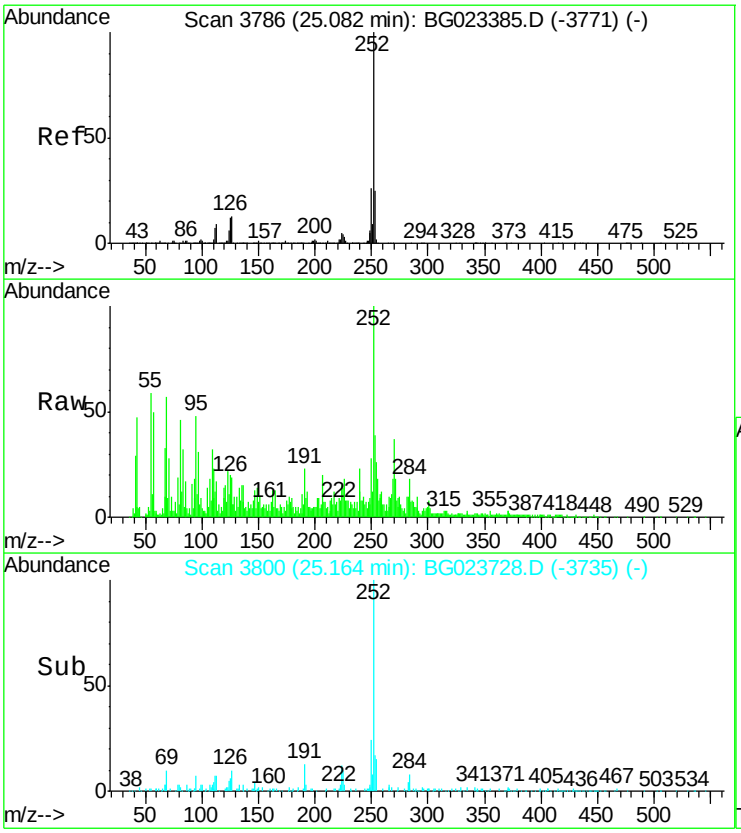
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.32 min Scan# 3827
Delta R.T. 0.08 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Instrument :
BNA_G
ClientSampleId :
AW-1

Tgt Ion:264 Resp: 682194

Ion	Ratio	Lower	Upper
264	100		
260	25.8	18.4	27.6
265	28.1	18.9	28.3





#89
Benzo(a)pyrene
Concen: 6.12 ng
RT: 25.16 min Scan# 3800
Delta R.T. 0.08 min
Lab File: BG023728.D
Acq: 15 Aug 2016 19:43

Tgt Ion:252 Resp: 223586

Ion	Ratio	Lower	Upper
252	100		
253	38.6	18.7	28.1#
125	20.3	3.9	5.9#