Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023149.D
Acq On : 16 Jul 2016 16:22
Operator : UM/SJ
Sample : H4018-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D8-B3(0-6)C

Quant Time: Jul 18 01:20:48 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	144524	20.00	ng		0.00
21) Naphthalene-d8	10.98	136	632067	20.00	ng		0.00
38) Acenaphthene-d10	14.80	164	421065	20.00	ng		0.00
63) Phenanthrene-d10	17.55	188	902959	20.00	ng		0.00
75) Chrysene-d12	21.86	240	965423	20.00	ng		0.01
86) Perylene-d12	25.22	264	962885	20.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	833479	94.32	ng		0.00
7) Phenol-d6	7.31	99	1320496	95.41	ng		0.00
23) Nitrobenzene-d5	9.33	82	975031	66.05	ng		0.00
41) 2,4,6-Tribromophenol	16.29	330	564954	74.65	ng		0.00
44) 2-Fluorobiphenyl	13.41	172	1788987	66.92	ng		0.00
78) Terphenyl-d14	20.15	244	2177538	65.46	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	14.24	163	356718	10.37	ng		99
70) Phenanthrene	17.59	178	101196	2.29	ng	#	87
74) Fluoranthene	19.60	202	282181	5.20	ng		93
77) Pyrene	19.96	202	252689	4.66	ng	#	91
80) Benzo(a)anthracene	21.83	228	140818	2.61	ng		94
82) Chrysene	21.91	228	173130	3.42	ng		94
83) Bis(2-ethylhexyl)phthalate	21.71	149	62546	2.10	ng	#	89
87) Benzo(b)fluoranthene	24.16	252	262304	4.72	ng	#	99
89) Benzo(a)pyrene	25.07	252	162310	3.05	ng	#	97

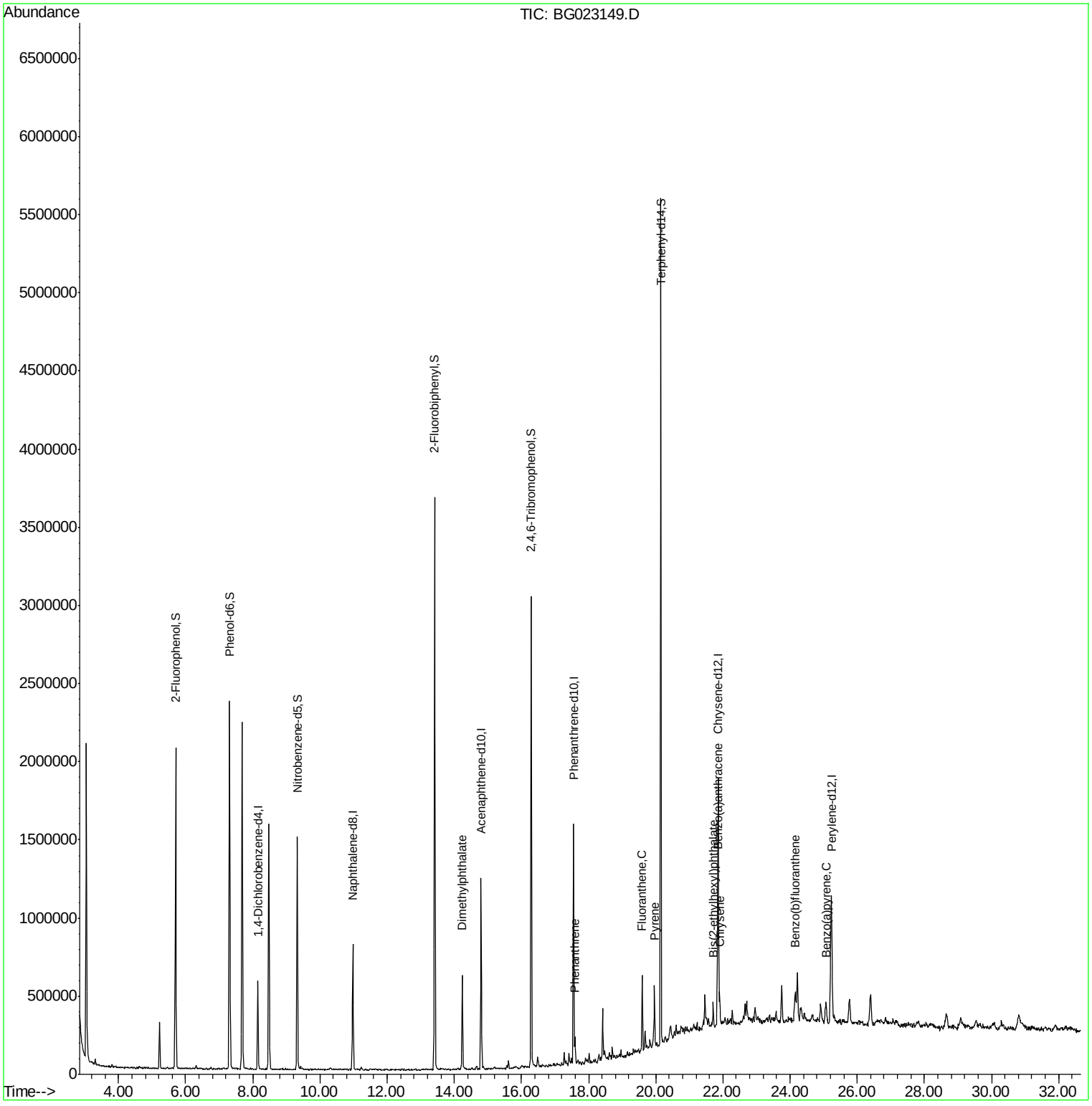
(#) = qualifier out of range (m) = manual integration (+) = signals summed

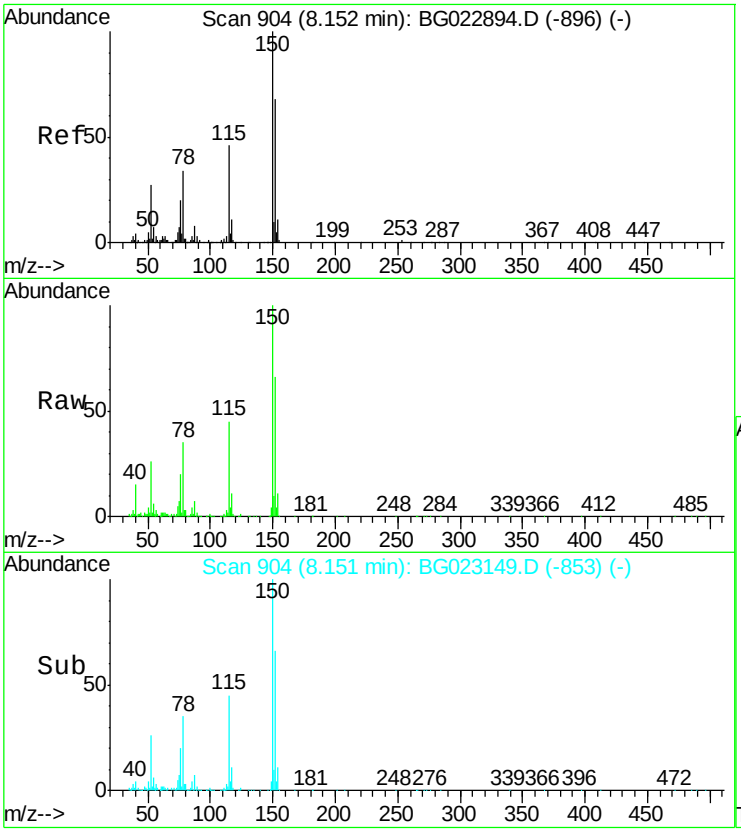
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
Data File : BG023149.D
Acq On : 16 Jul 2016 16:22
Operator : UM/SJ
Sample : H4018-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Quant Time: Jul 18 01:20:48 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration



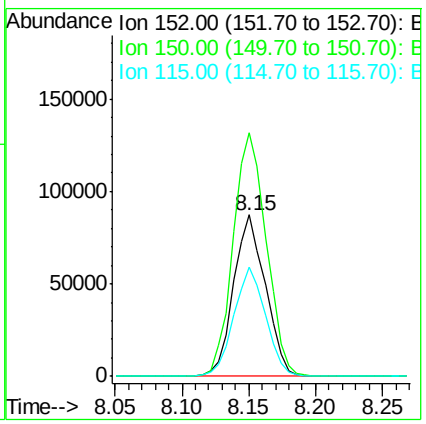


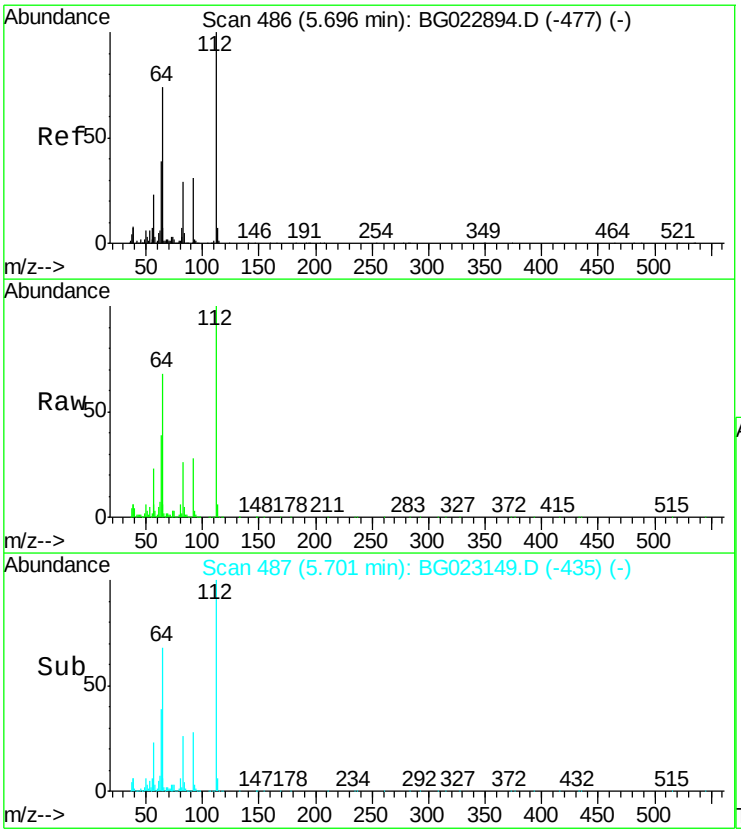
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:152 Resp: 144524

Ion	Ratio	Lower	Upper
152	100		
150	150.8	144.7	217.1
115	67.6	64.0	96.0

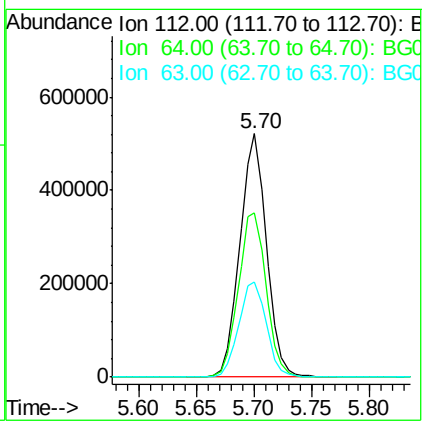


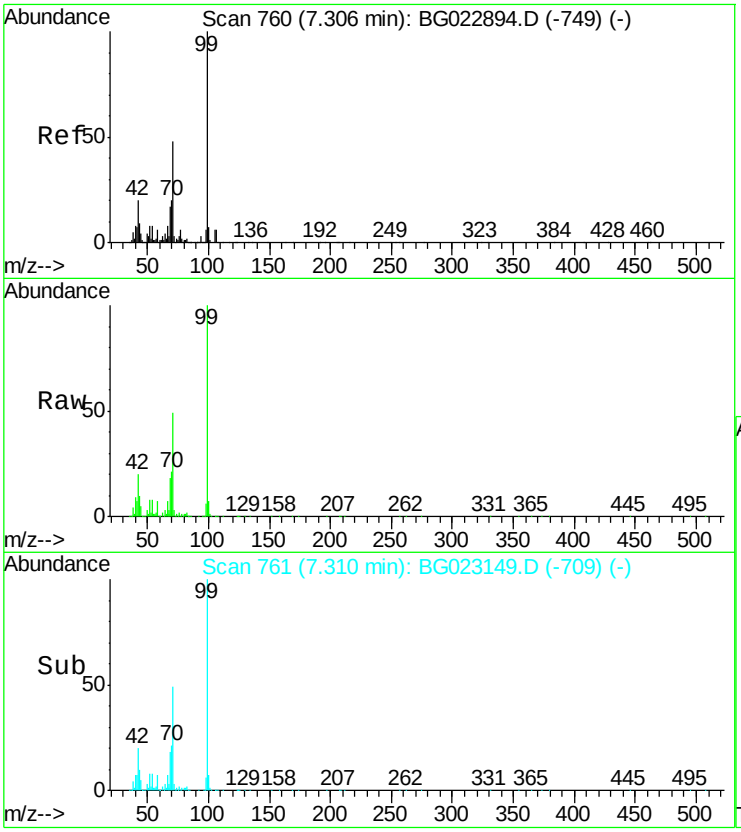


#5
2-Fluorophenol
Concen: 94.32 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:112 Resp: 833479

Ion	Ratio	Lower	Upper
112	100		
64	67.7	59.0	88.4
63	39.0	37.8	56.8



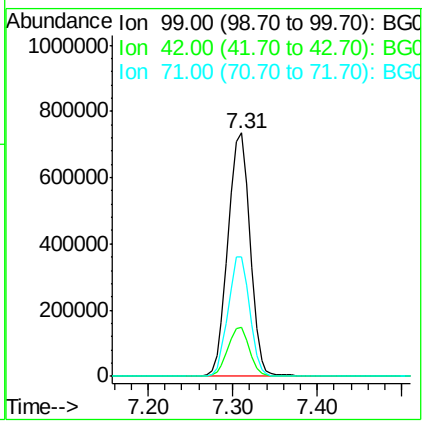


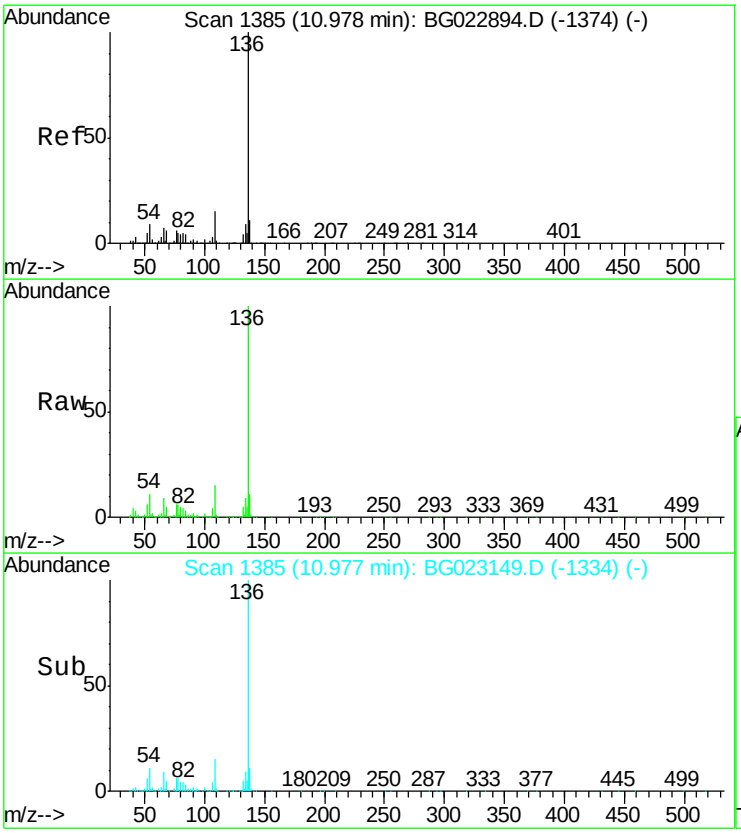
#7
Phenol-d6
Concen: 95.41 ng
RT: 7.31 min Scan# 761
Delta R.T. 0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion: 99 Resp: 1320496

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.8	26.6
71	49.2	41.5	62.3

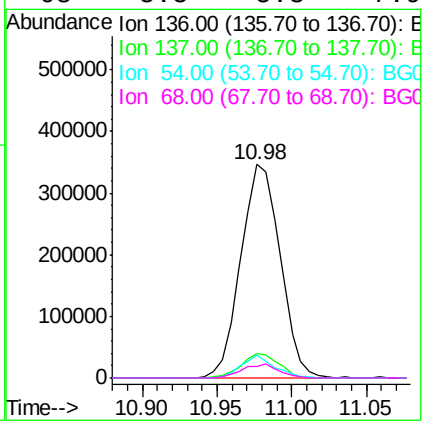


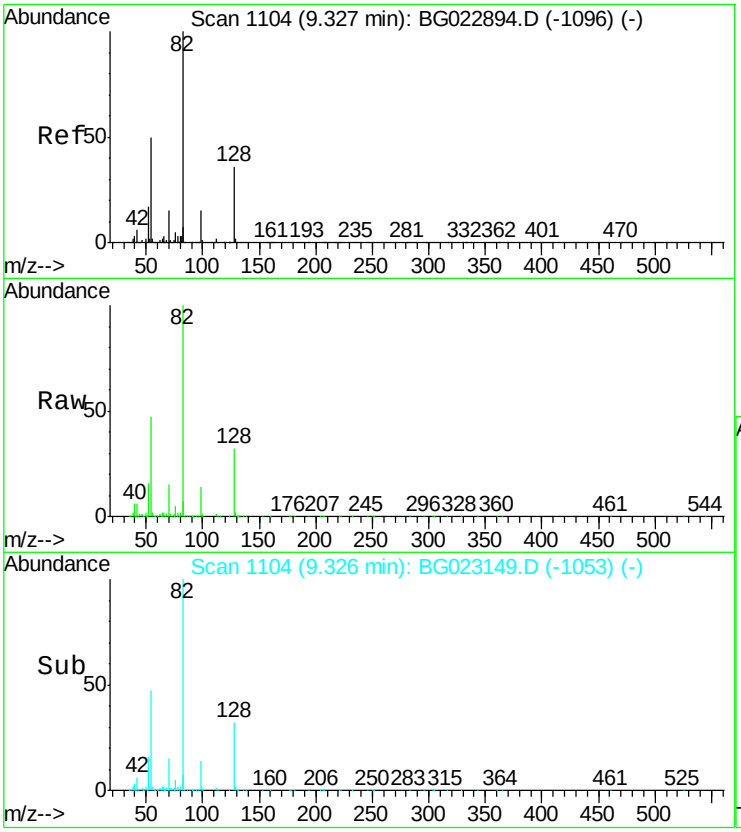


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:136 Resp: 632067

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	10.9	7.3	10.9
68	5.5	5.3	7.9



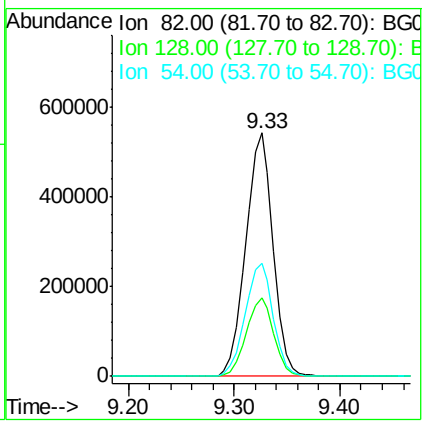


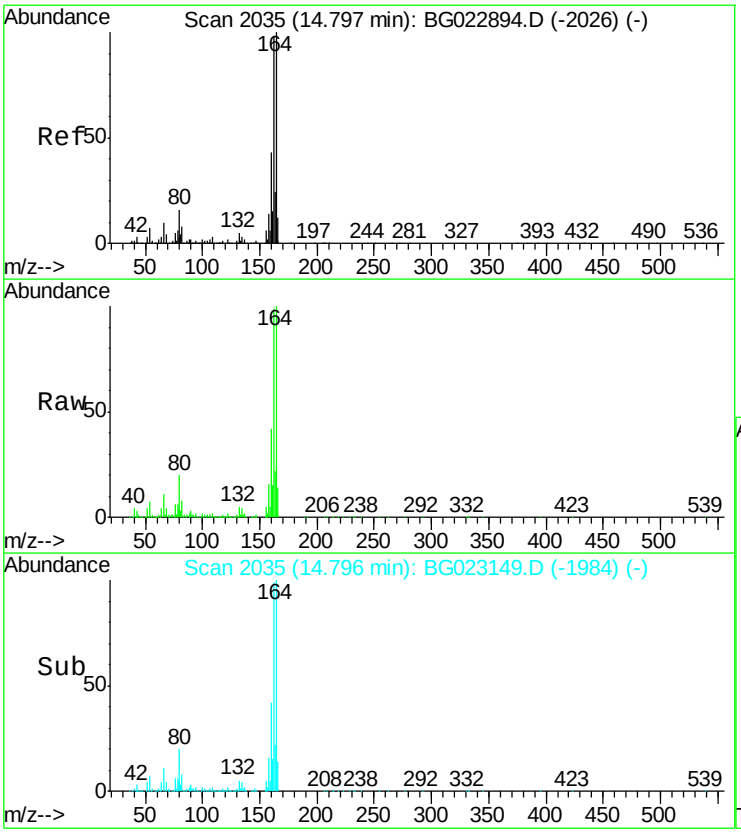
#23
Nitrobenzene-d5
Concen: 66.05 ng
RT: 9.33 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion: 82 Resp: 975031

Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	46.7	41.4	62.0

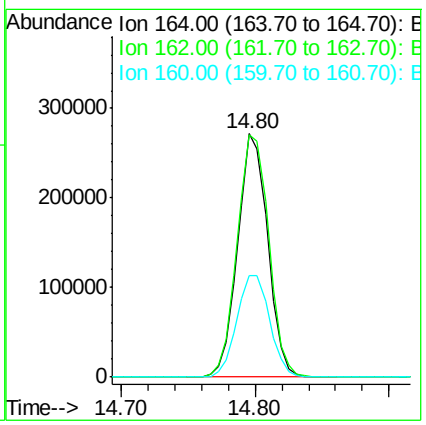


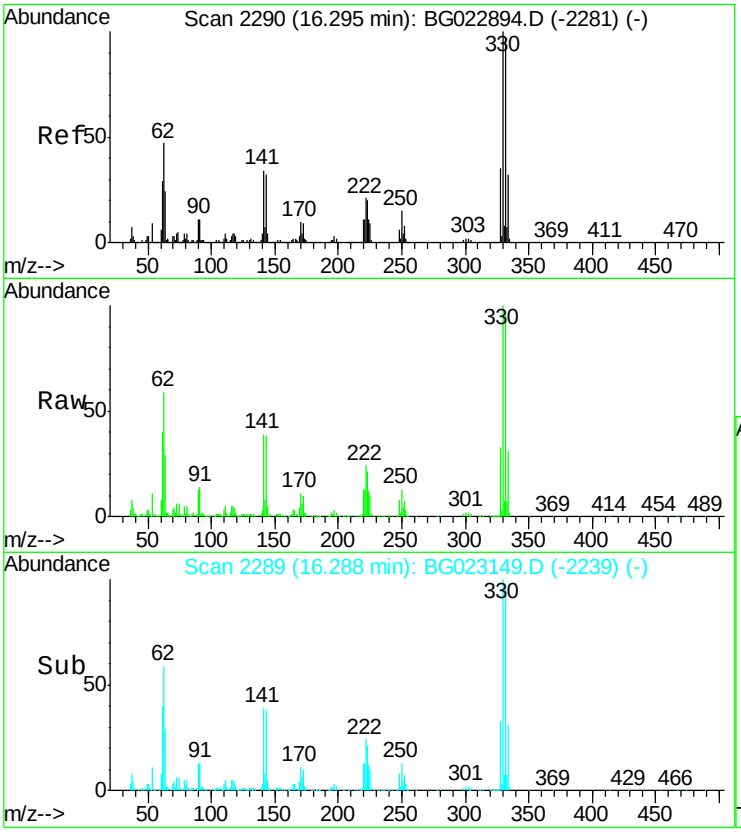


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:164 Resp: 421065

Ion	Ratio	Lower	Upper
164	100		
162	99.3	87.7	131.5
160	41.8	37.2	55.8



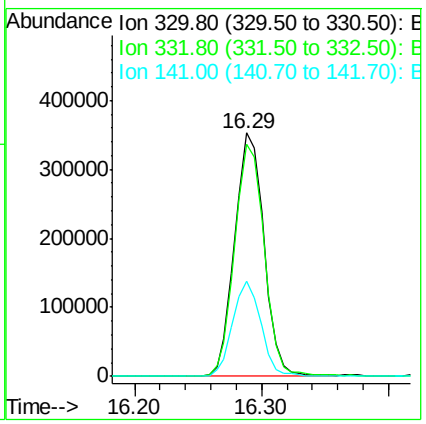


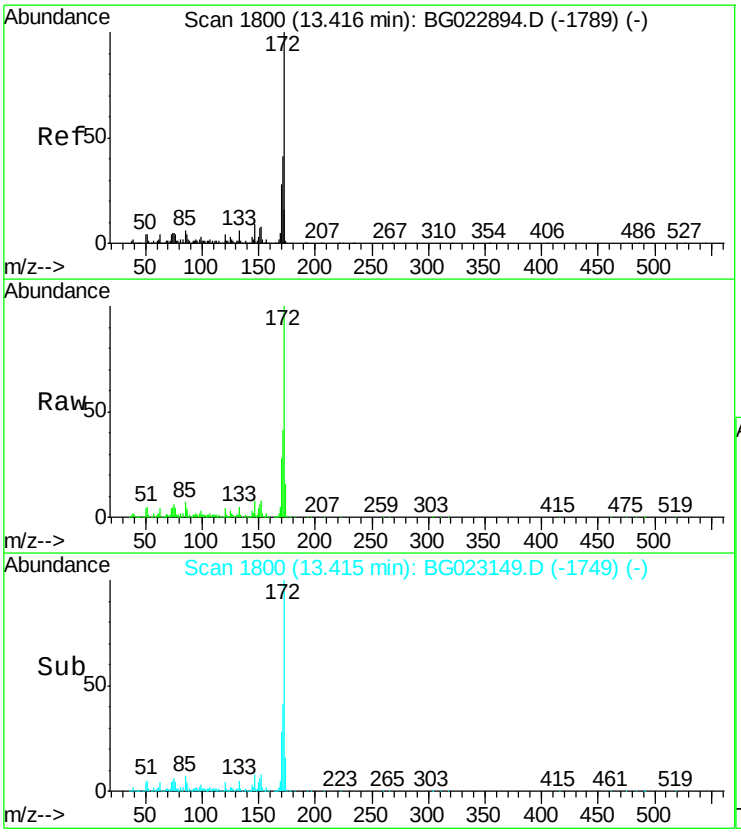
#41
2,4,6-Tribromophenol
Concen: 74.65 ng
RT: 16.29 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:330 Resp: 564954

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	37.7	31.7	47.5

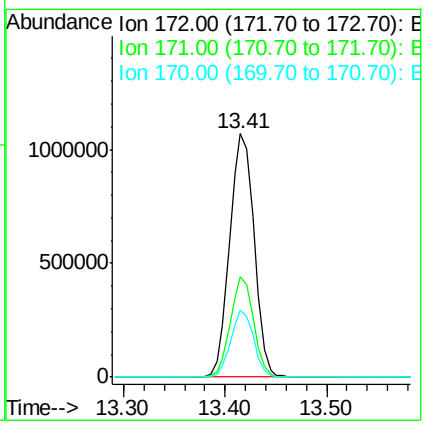


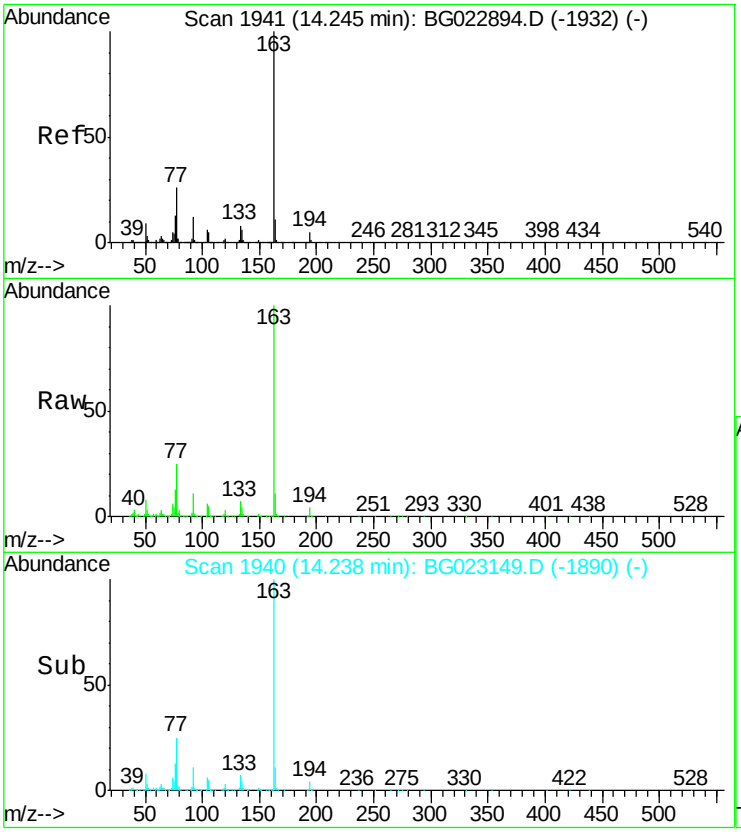


#44
2-Fluorobiphenyl
Concen: 66.92 ng
RT: 13.41 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:172 Resp: 1788987

Ion	Ratio	Lower	Upper
172	100		
171	41.3	31.6	47.4
170	27.5	21.3	31.9



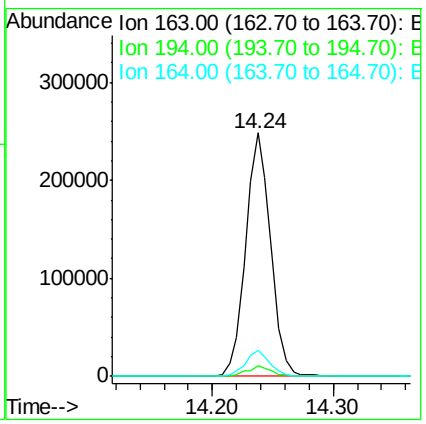


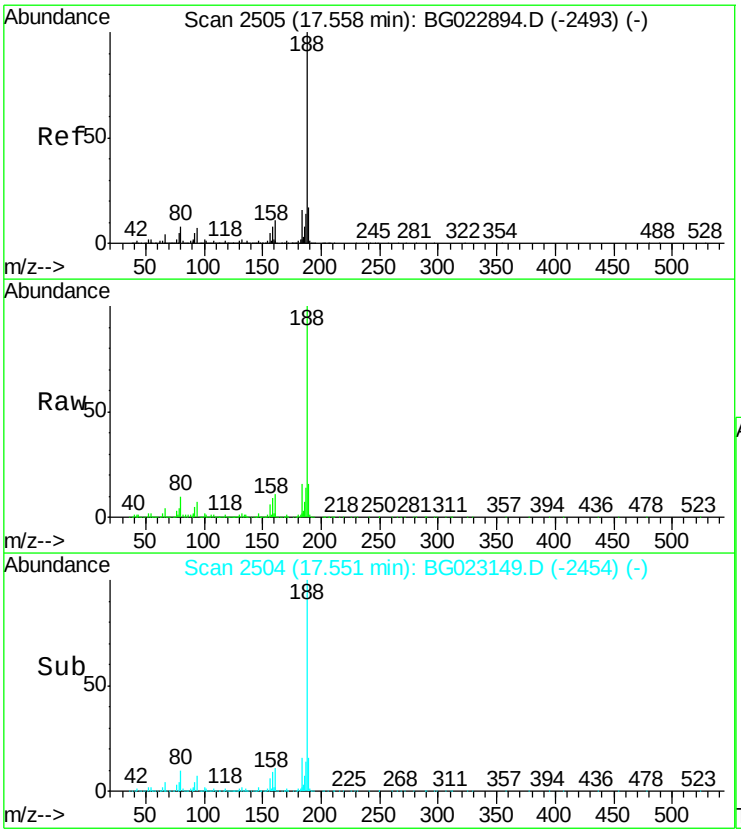
#49
Dimethylphthalate
Concen: 10.37 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:163 Resp: 356718

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.5	8.1	12.1

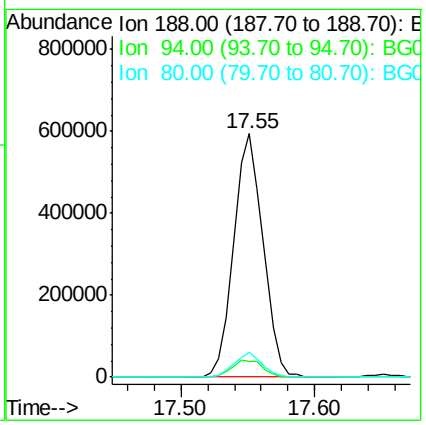


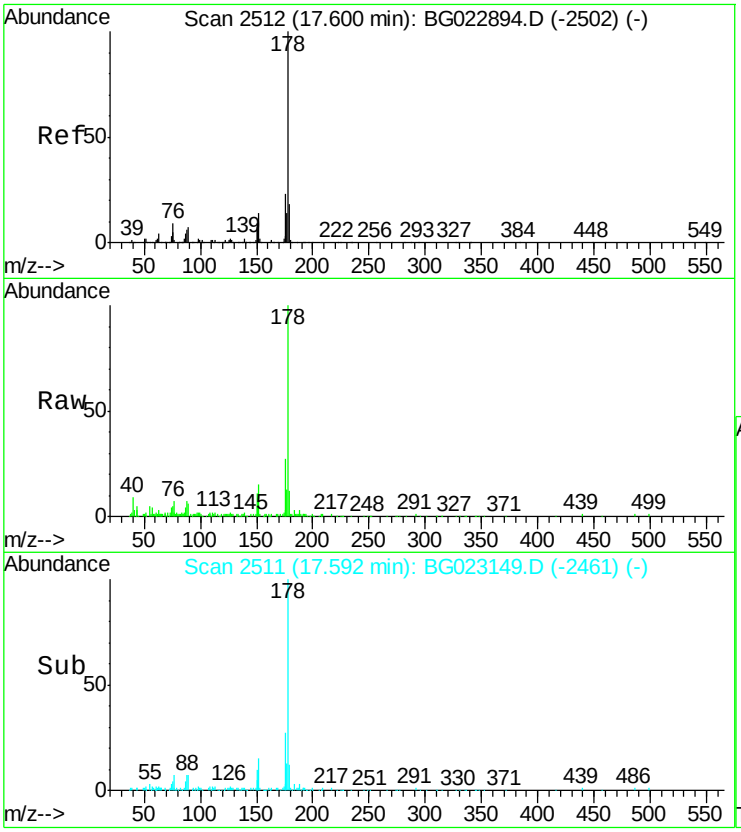


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:188 Resp: 902959

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.2	7.8
80	10.0	7.2	10.8



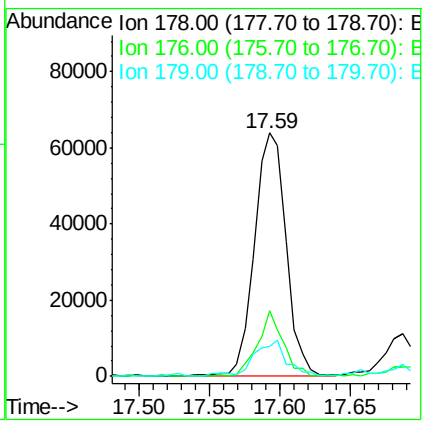


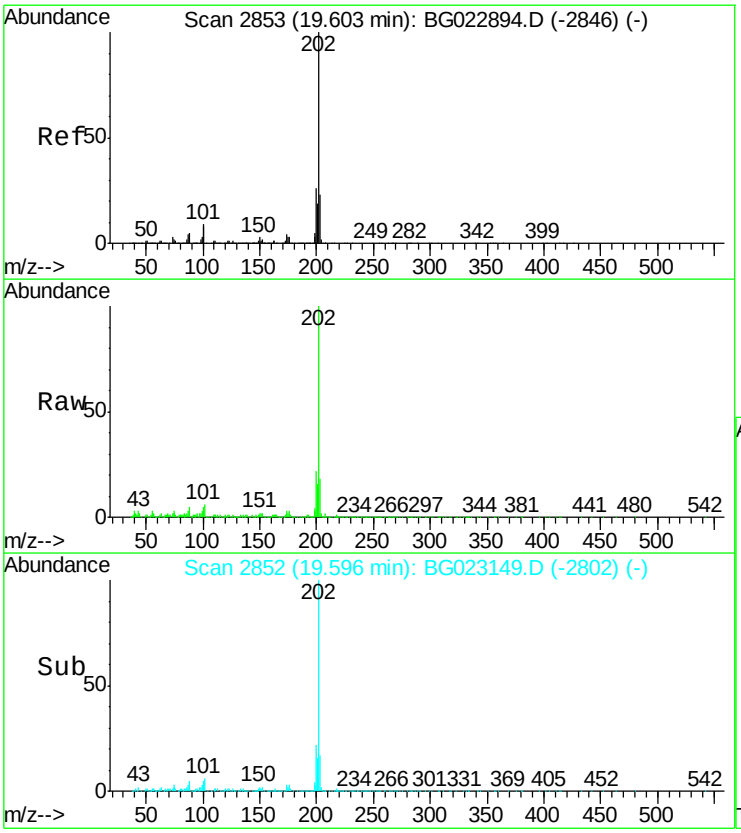
#70
Phenanthrene
Concen: 2.29 ng
RT: 17.59 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:178 Resp: 101196

Ion	Ratio	Lower	Upper
178	100		
176	27.2	16.8	25.2#
179	12.2	14.3	21.5#

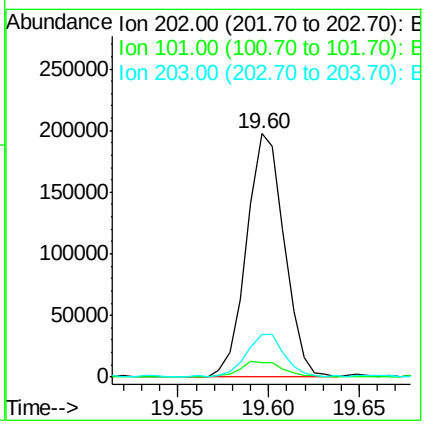


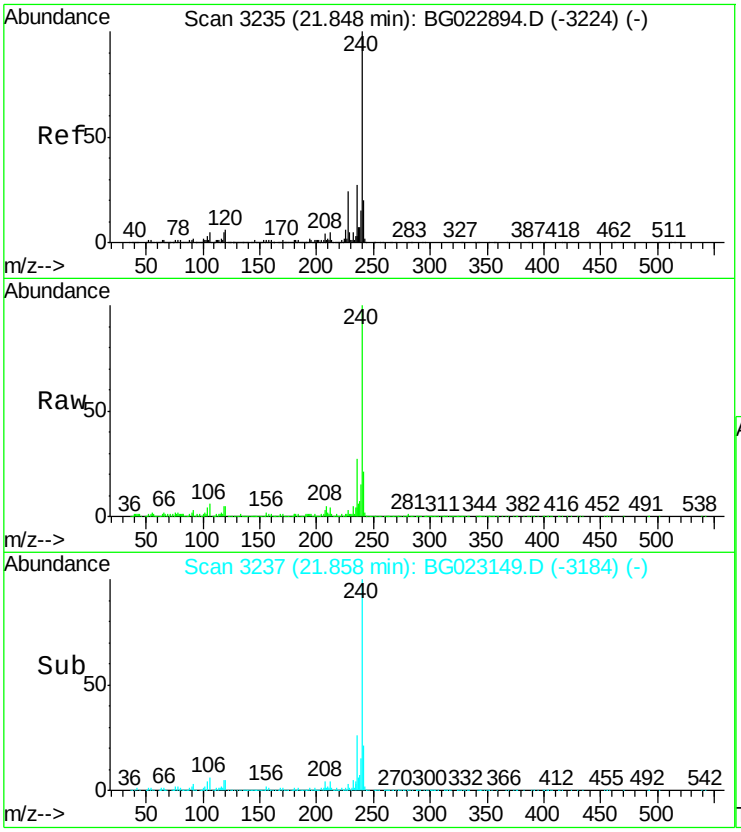


#74
Fluoranthene
Concen: 5.20 ng
RT: 19.60 min Scan# 2852
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:202 Resp: 282181

Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	27.4
203	17.7	1.7	41.7



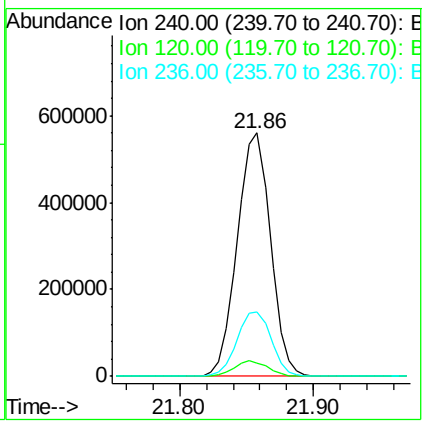


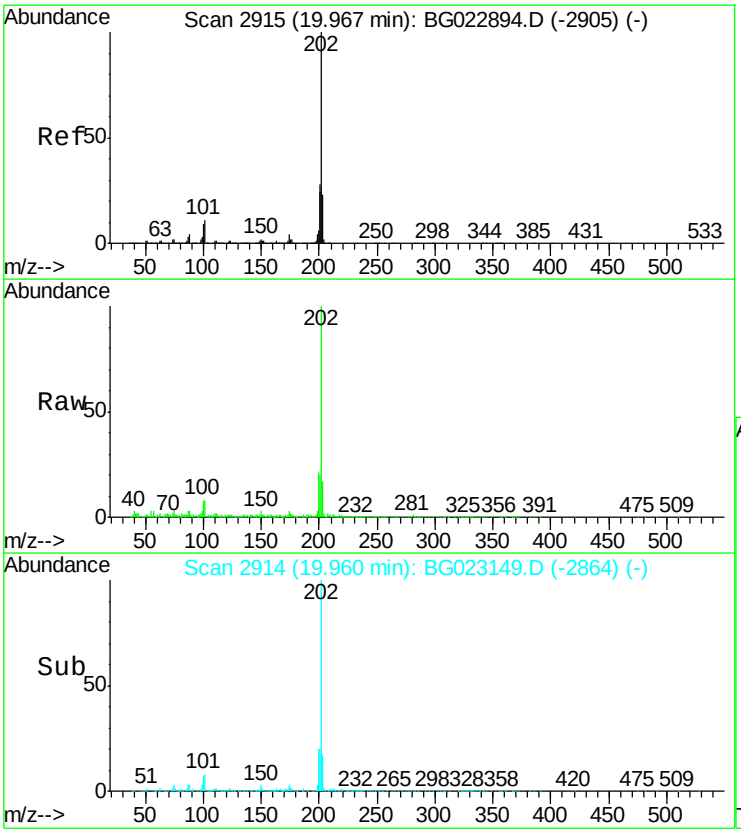
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.86 min Scan# 3237
Delta R.T. 0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:240 Resp: 965423

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.1	6.1
236	26.6	21.1	31.7

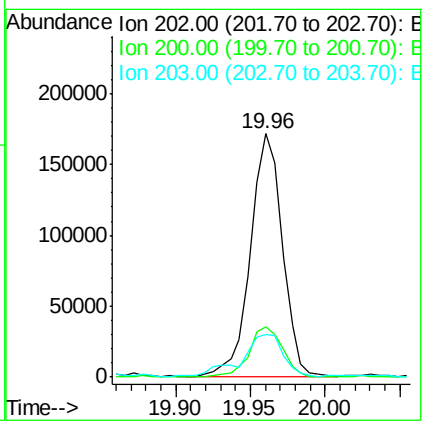


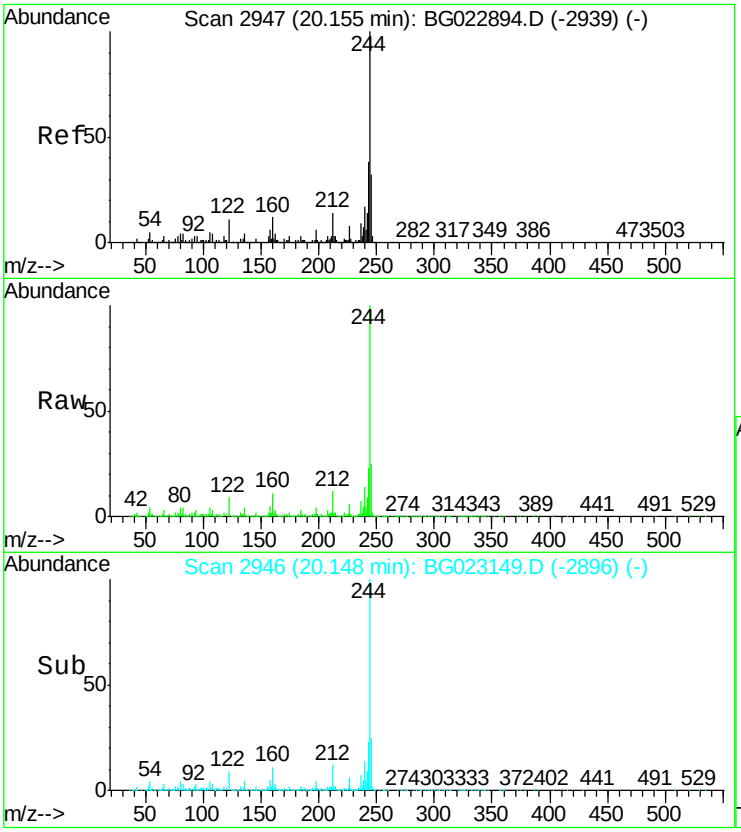


#77
Pyrene
Concen: 4.66 ng
RT: 19.96 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:202 Resp: 252689

Ion	Ratio	Lower	Upper
202	100		
200	20.9	21.2	31.8#
203	17.5	16.8	25.2



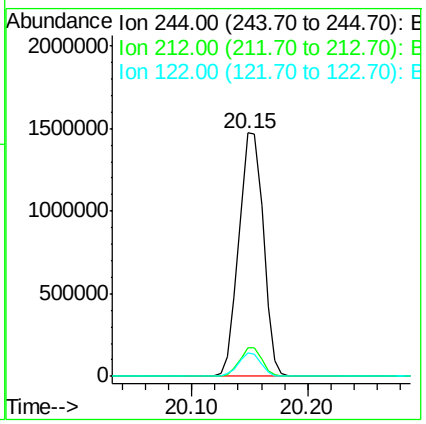


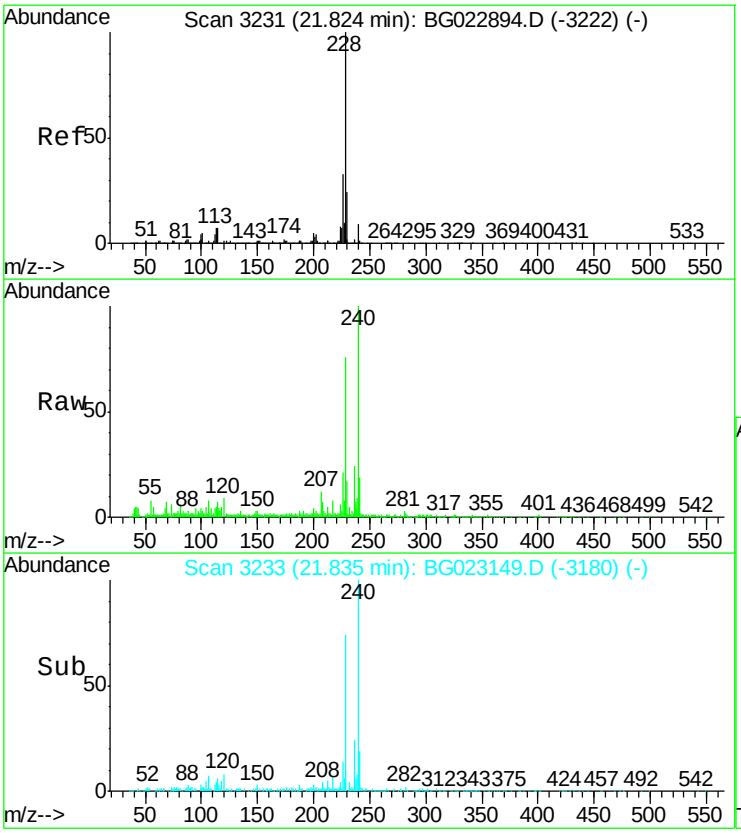
#78
Terphenyl-d14
Concen: 65.46 ng
RT: 20.15 min Scan# 2946
Delta R.T. -0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:244 Resp: 2177538

Ion	Ratio	Lower	Upper
244	100		
212	12.0	10.8	16.2
122	9.4	8.0	12.0

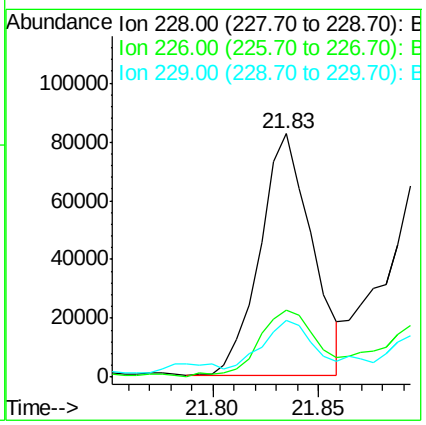


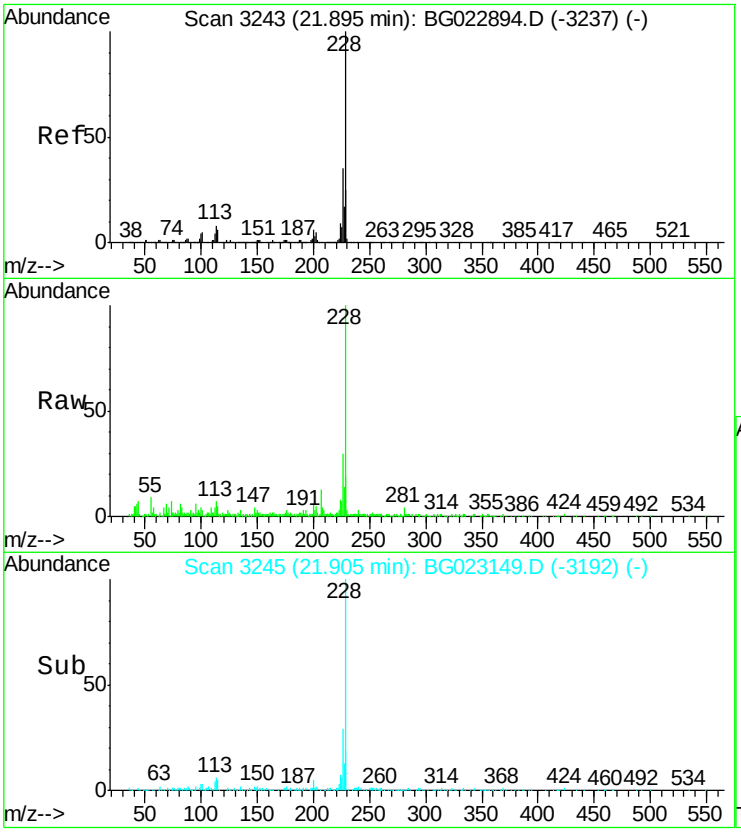


#80
Benzo(a)anthracene
Concen: 2.61 ng
RT: 21.83 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:228 Resp: 140818

Ion	Ratio	Lower	Upper
228	100		
226	27.3	25.3	37.9
229	23.1	19.9	29.9



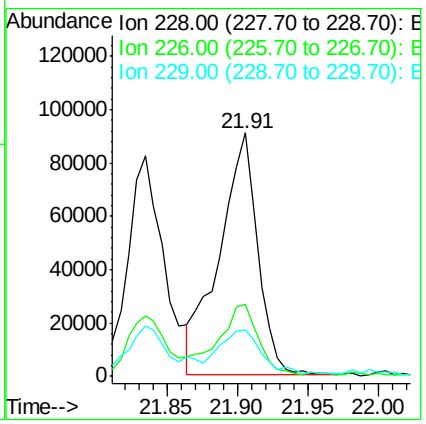


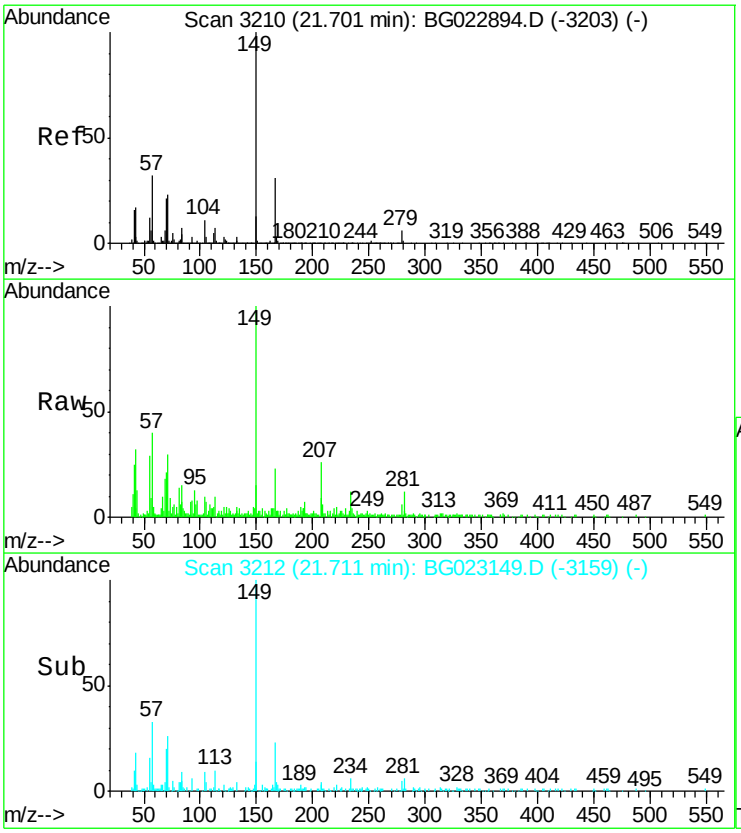
#82
Chrysene
Concen: 3.42 ng
RT: 21.91 min Scan# 3245
Delta R.T. 0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:228 Resp: 173130

Ion	Ratio	Lower	Upper
228	100		
226	29.5	26.7	40.1
229	19.1	17.4	26.2

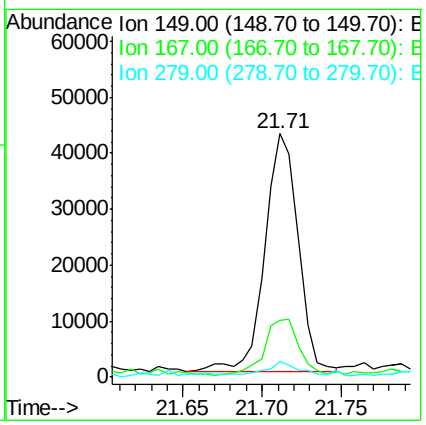


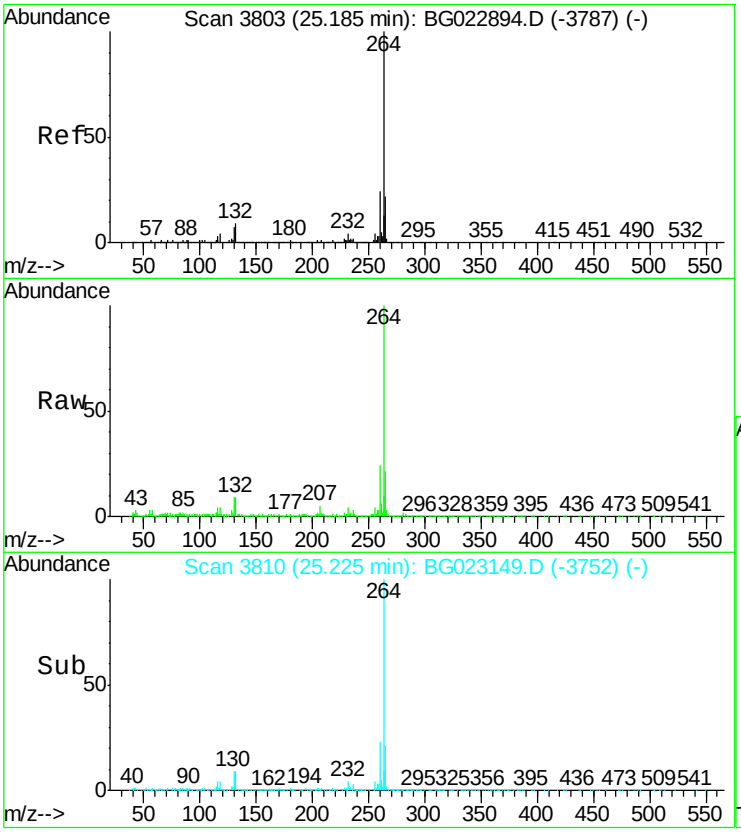


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.10 ng
RT: 21.71 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:149 Resp: 62546

Ion	Ratio	Lower	Upper
149	100		
167	23.2	24.0	36.0#
279	6.3	4.8	7.2



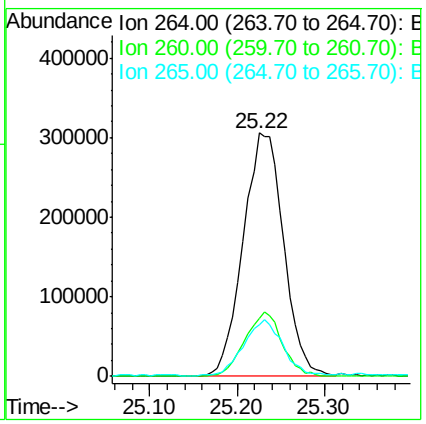


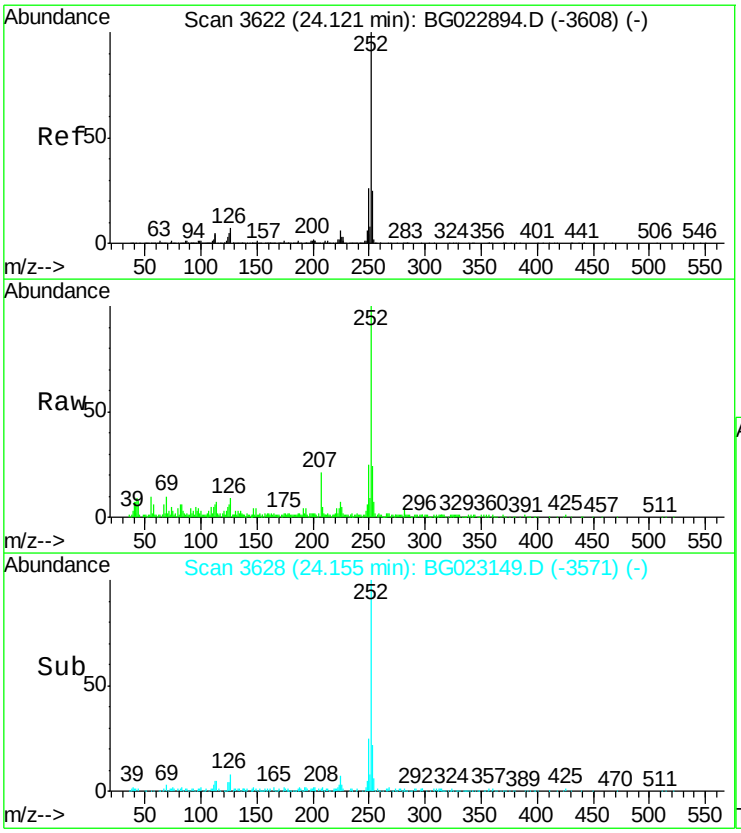
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.22 min Scan# 3810
Delta R.T. 0.04 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:264 Resp: 962885

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.2	18.9	28.3

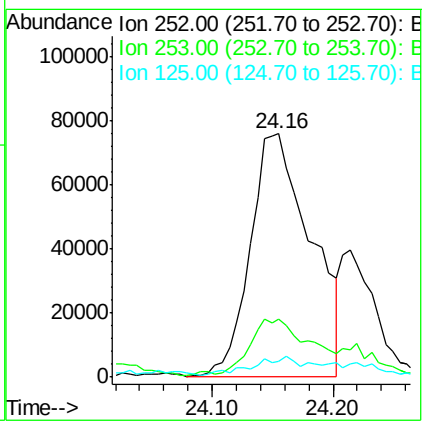


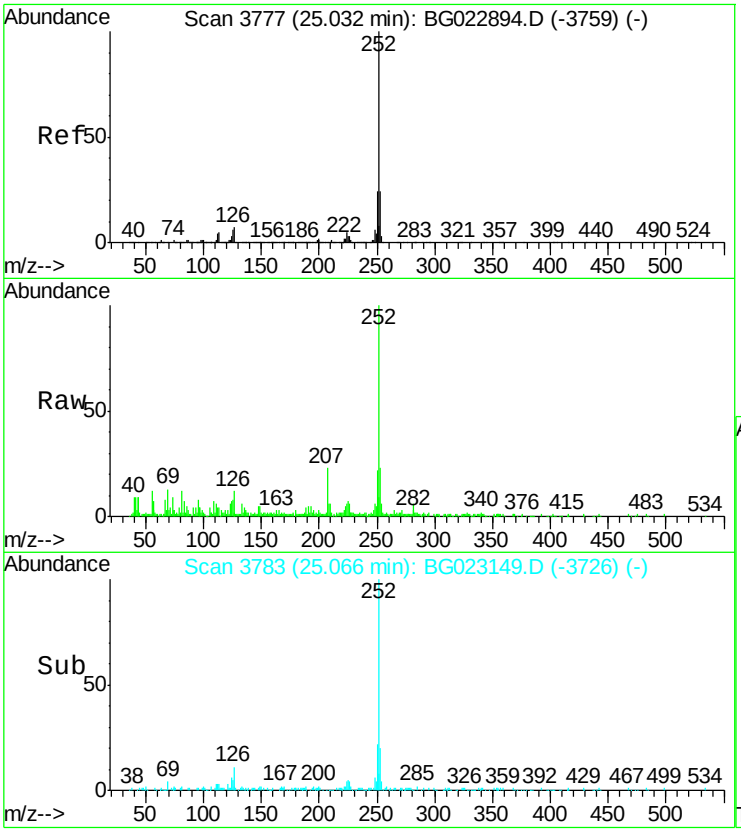


#87
Benzo(b)fluoranthene
Concen: 4.72 ng
RT: 24.16 min Scan# 3628
Delta R.T. 0.03 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Tgt Ion:252 Resp: 262304

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	6.3	3.9	5.9#





#89
Benzo(a)pyrene
Concen: 3.05 ng
RT: 25.07 min Scan# 3783
Delta R.T. 0.03 min
Lab File: BG023149.D
Acq: 16 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
D8-B3(0-6)C

Tgt Ion:252 Resp: 162310

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	7.5	3.9	5.9#