Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031708.D
Acq On : 22 Dec 2017 13:08
Operator : SJ/JU
Sample : I6971-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 121517-DBRI-E-D-S

Quant Time: Dec 22 14:04:33 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	55359	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	230445	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	164433	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	431342	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	499891	20.00	ng	-0.02
86) Perylene-d12	26.34	264	523997	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	122145	40.19	ng	0.00
7) Phenol-d6	7.92	99	93310	23.65	ng	-0.01
23) Nitrobenzene-d5	10.03	82	282303	92.50	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	243786	97.16	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1070598	81.72	ng	-0.01
78) Terphenyl-d14	20.73	244	1875680	85.72	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	13.32	142	25307	2.684	ng	# 93
51) Acenaphthene	15.52	154	30691	2.734	ng	98
57) Fluorene	16.50	166	30504	2.182	ng	99
70) Phenanthrene	18.24	178	131733	5.397	ng	99

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

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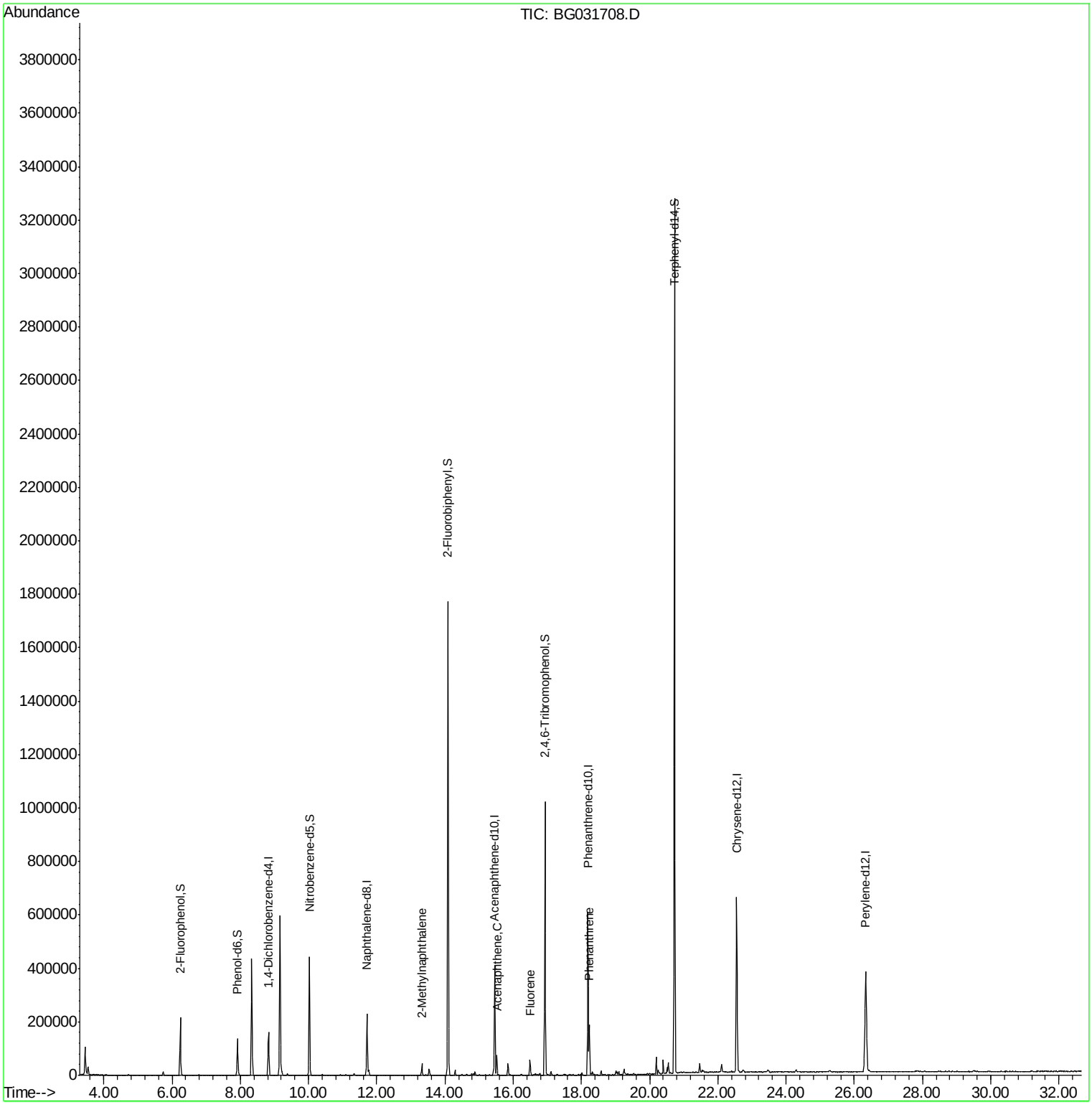
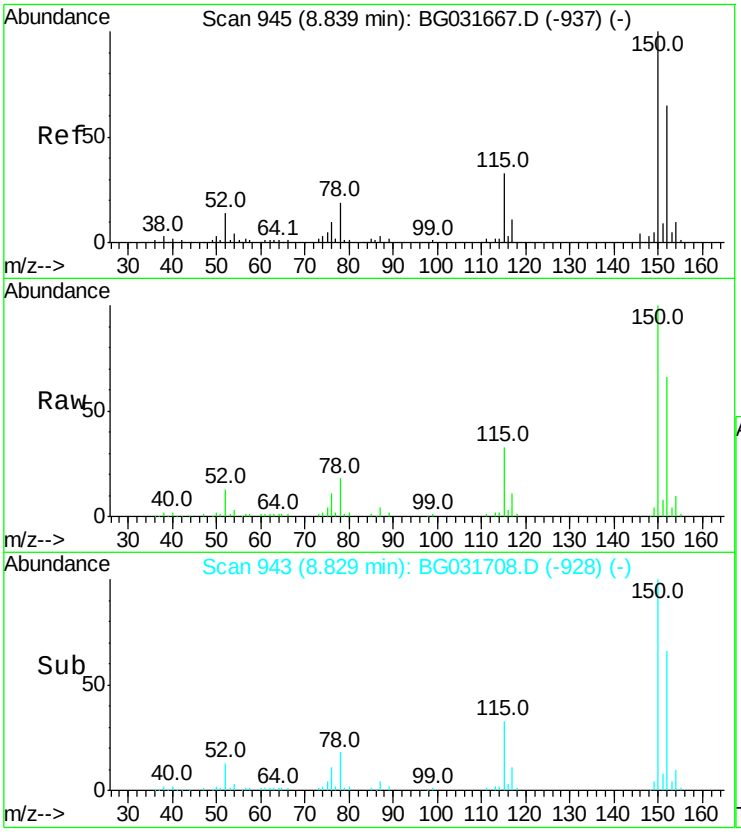


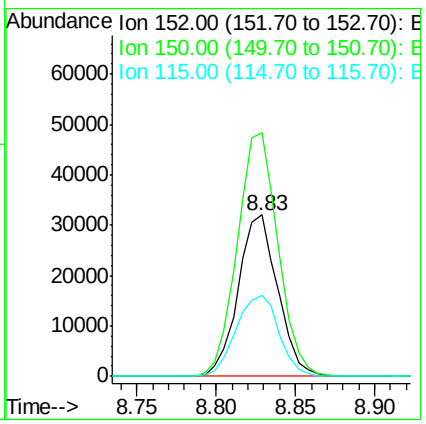


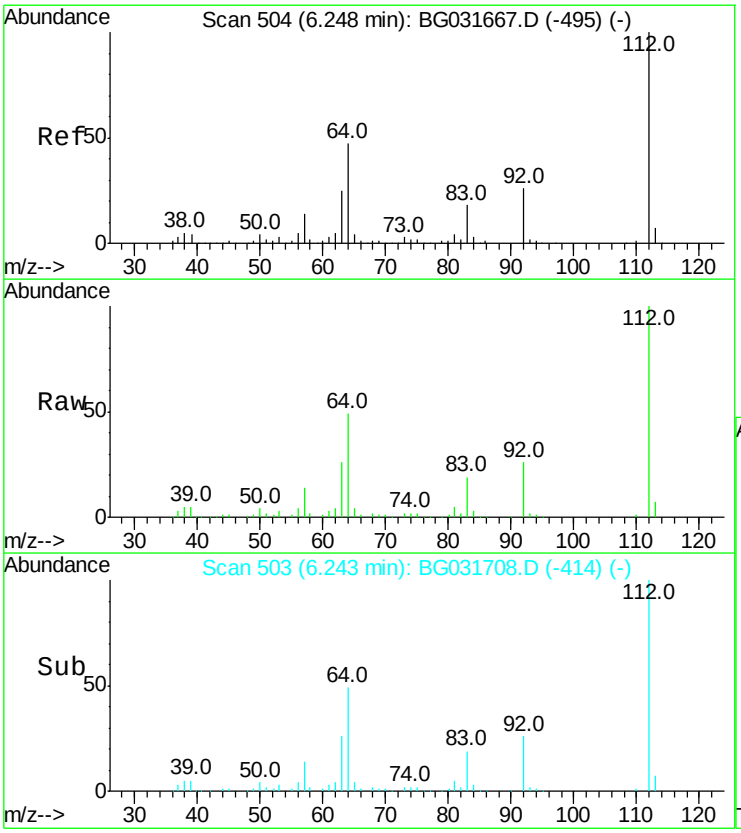
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:152 Resp: 55359

Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.6	189.8
115	50.1	53.0	79.4#

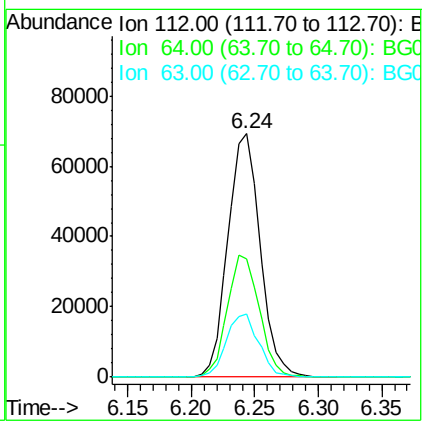


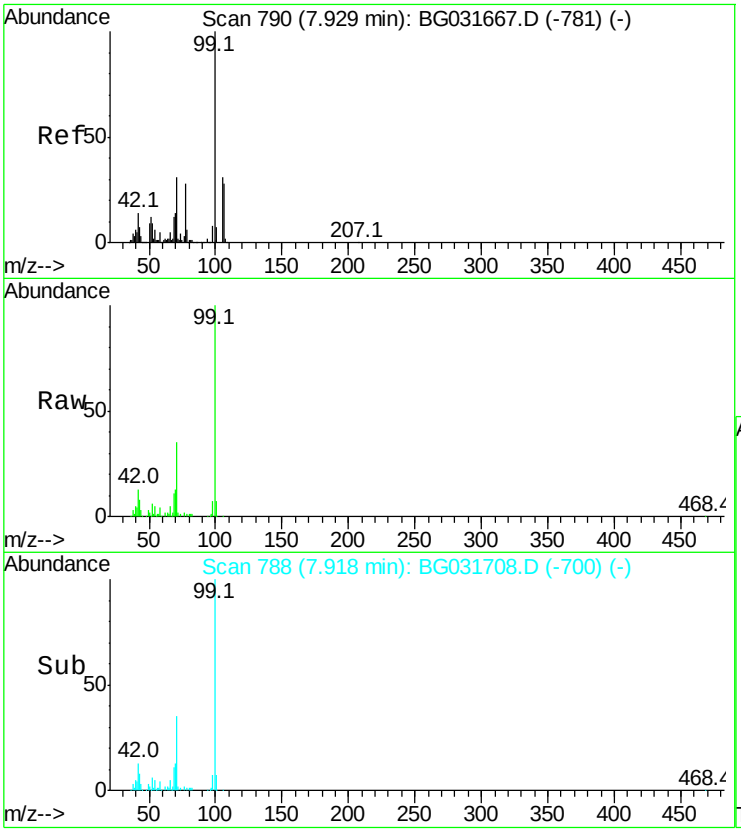


#5
2-Fluorophenol
Concen: 40.187 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:112 Resp: 122145

Ion	Ratio	Lower	Upper
112	100		
64	48.7	56.3	84.5#
63	26.2	30.1	45.1#



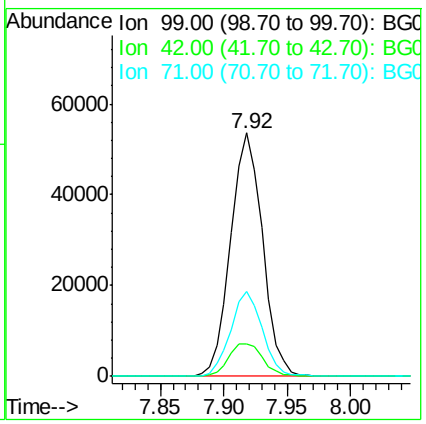


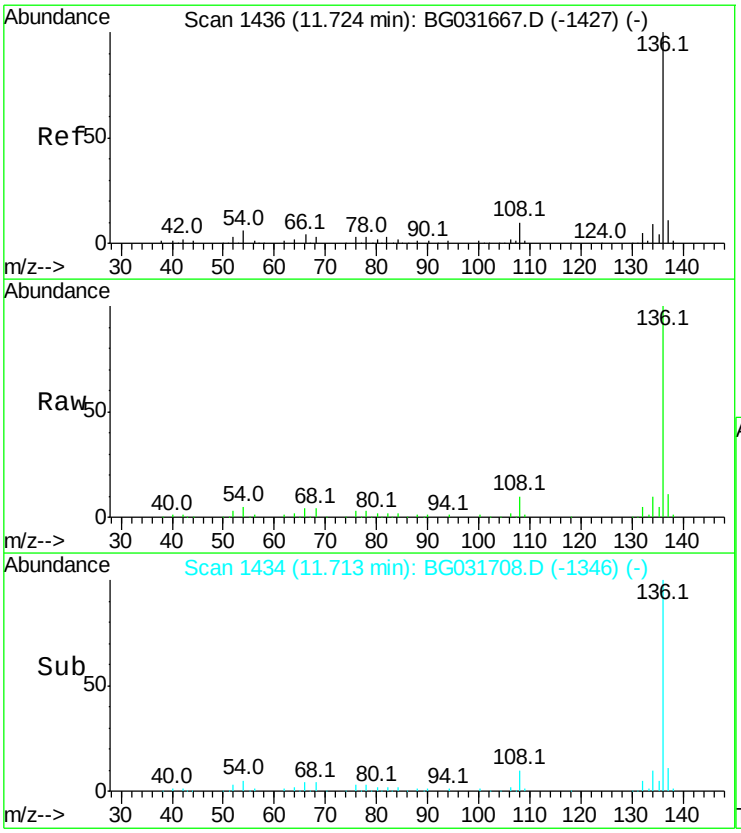
#7
Phenol-d6
Concen: 23.646 ng
RT: 7.92 min Scan# 788
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion: 99 Resp: 93310

Ion	Ratio	Lower	Upper
99	100		
42	13.2	14.1	21.1#
71	34.8	26.1	39.1

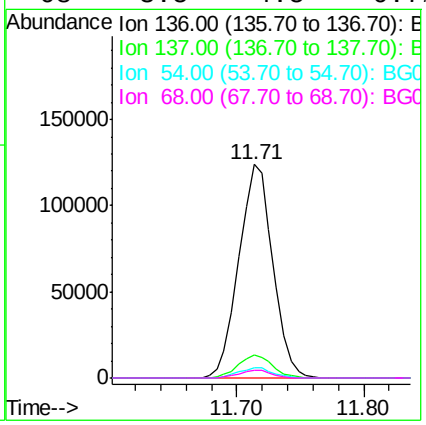


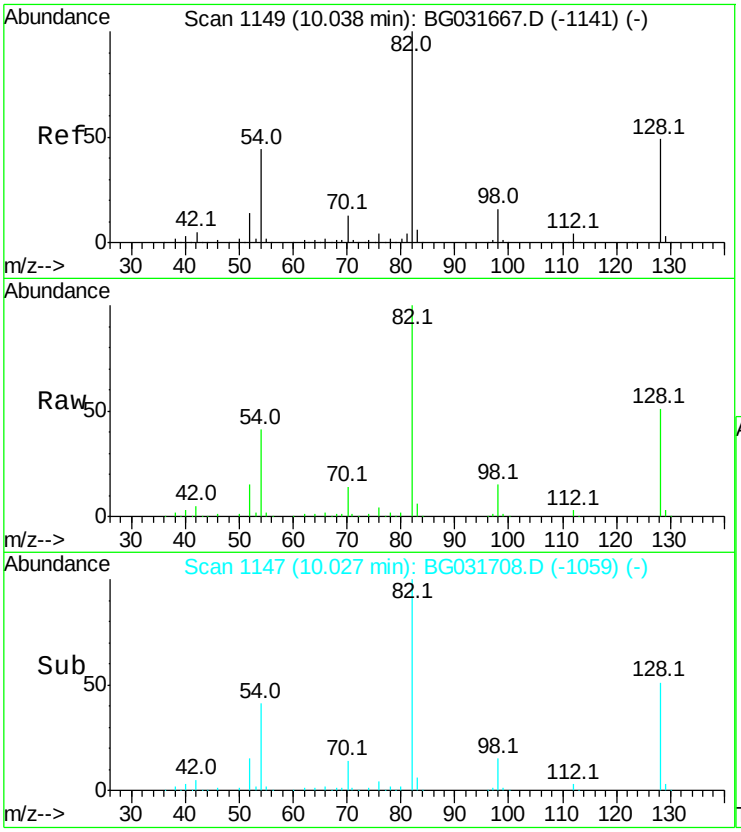


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:136 Resp: 230445

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	5.0	10.3	15.5#
68	3.5	4.5	6.7#



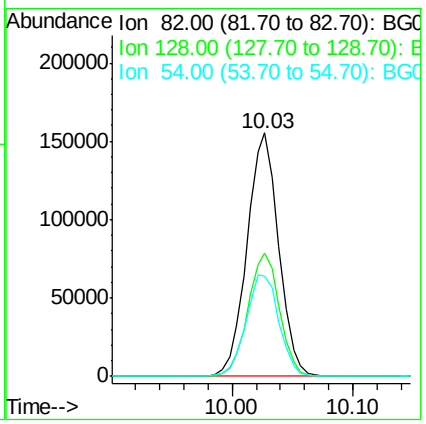


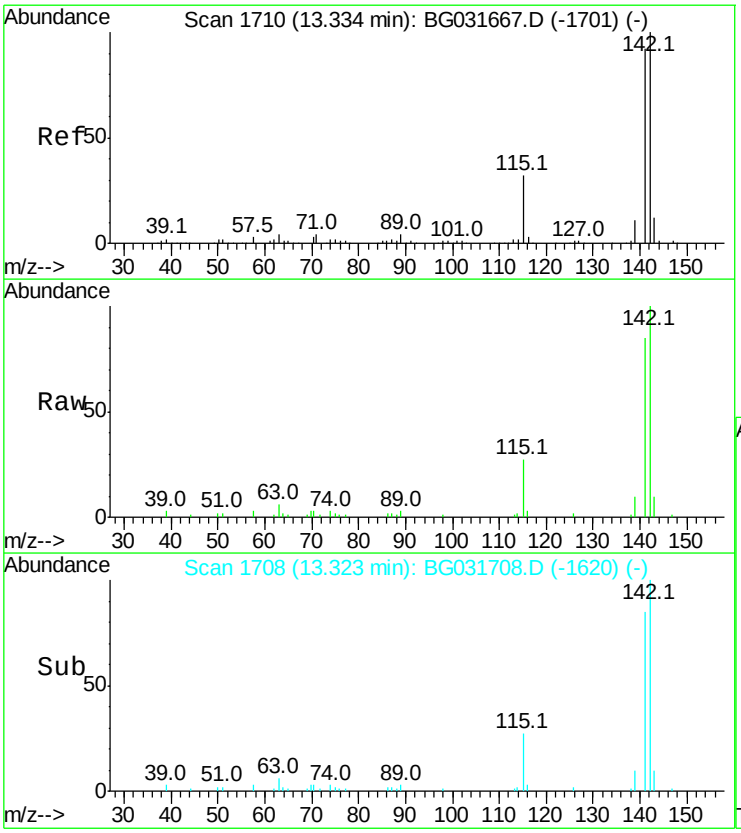
#23
Nitrobenzene-d5
Concen: 92.505 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion: 82 Resp: 282303

Ion	Ratio	Lower	Upper
82	100		
128	50.7	29.7	44.5#
54	41.4	43.1	64.7#

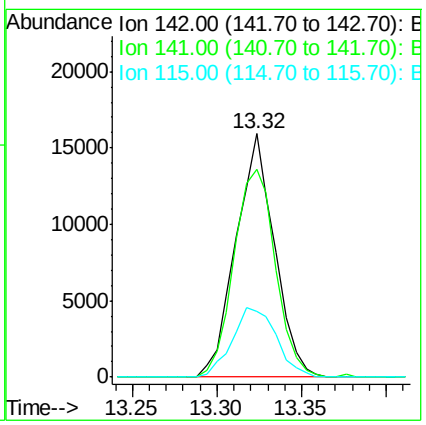


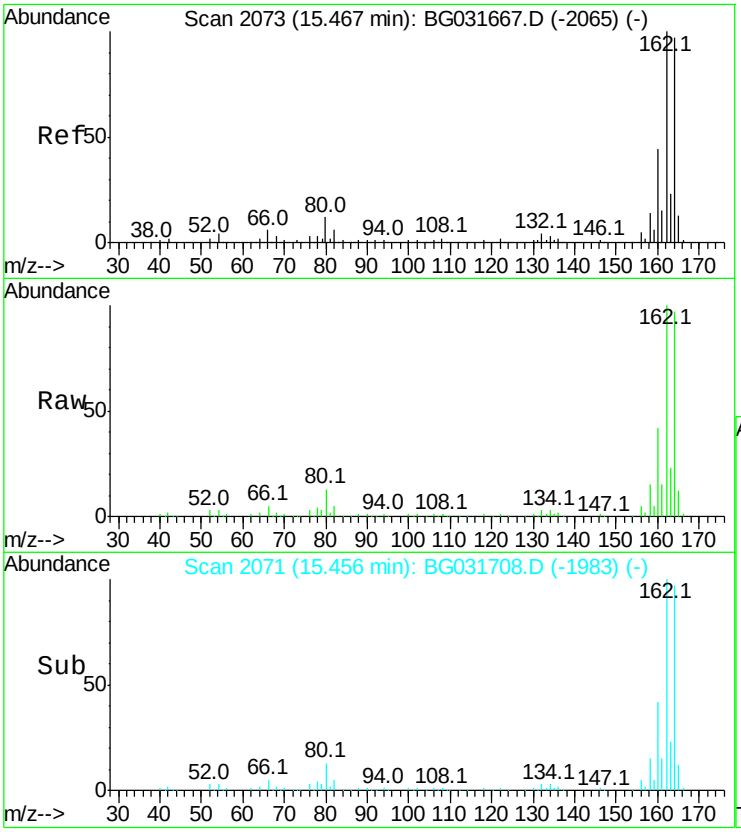


#37
2-Methylnaphthalene
Concen: 2.684 ng
RT: 13.32 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:142 Resp: 25307

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	27.2	30.7	46.1#



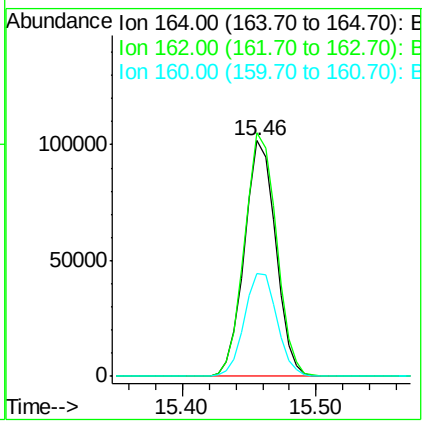


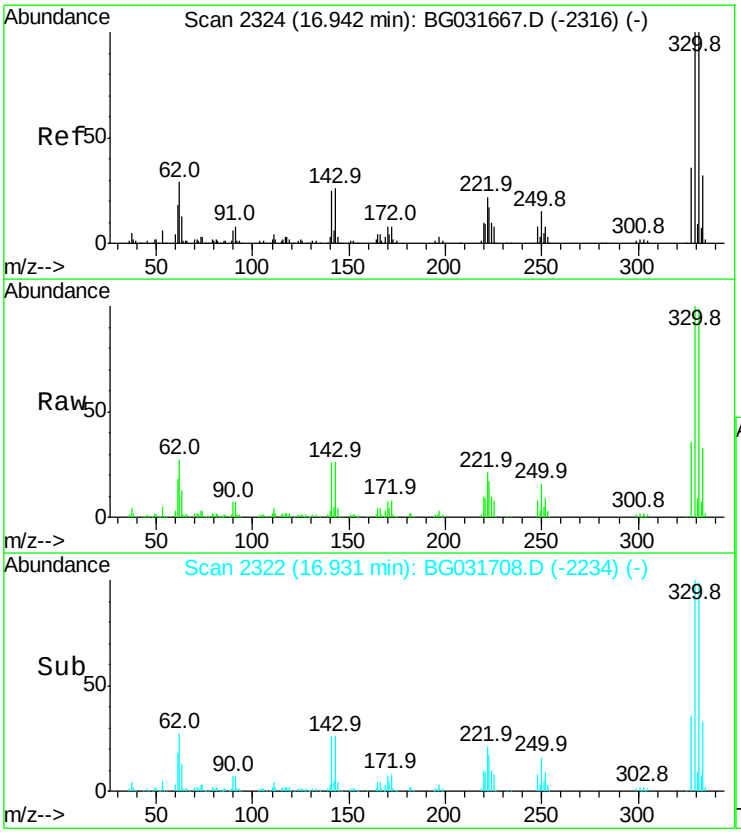
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:164 Resp: 164433

Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	43.4	35.4	53.0

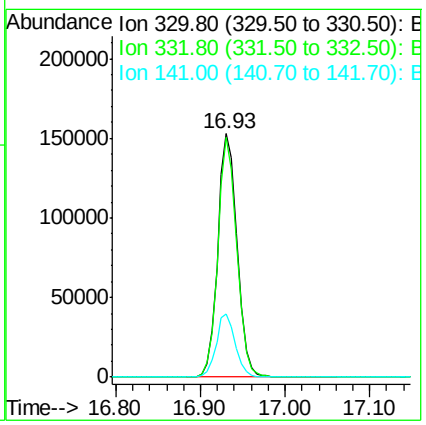


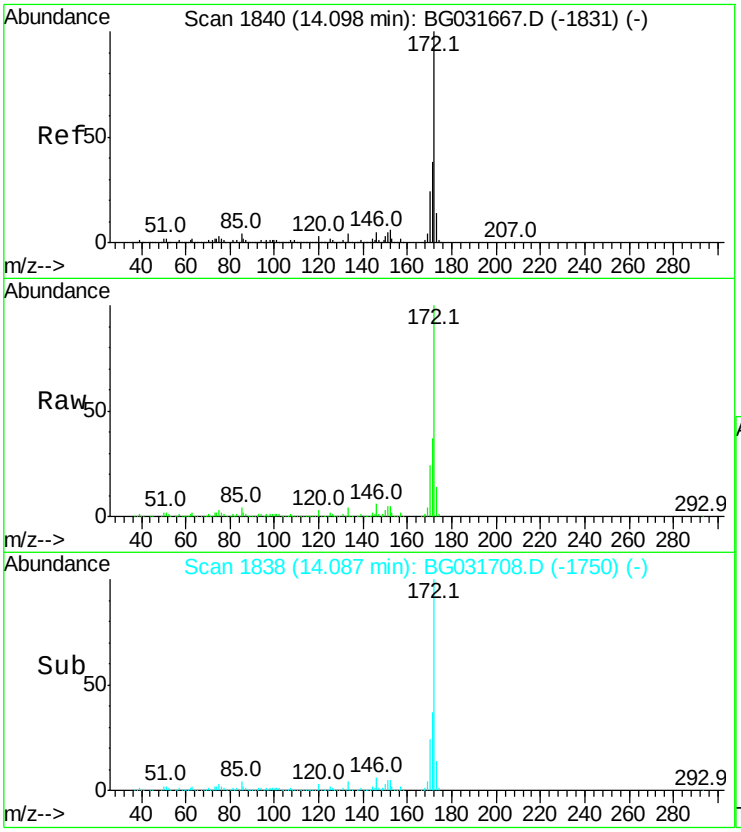


#41
2,4,6-Tribromophenol
Concen: 97.164 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:330 Resp: 243786

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	25.8	25.2	37.8



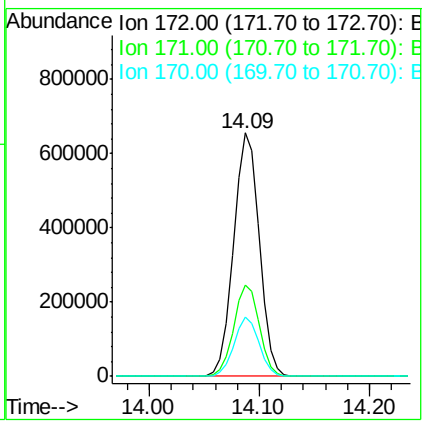


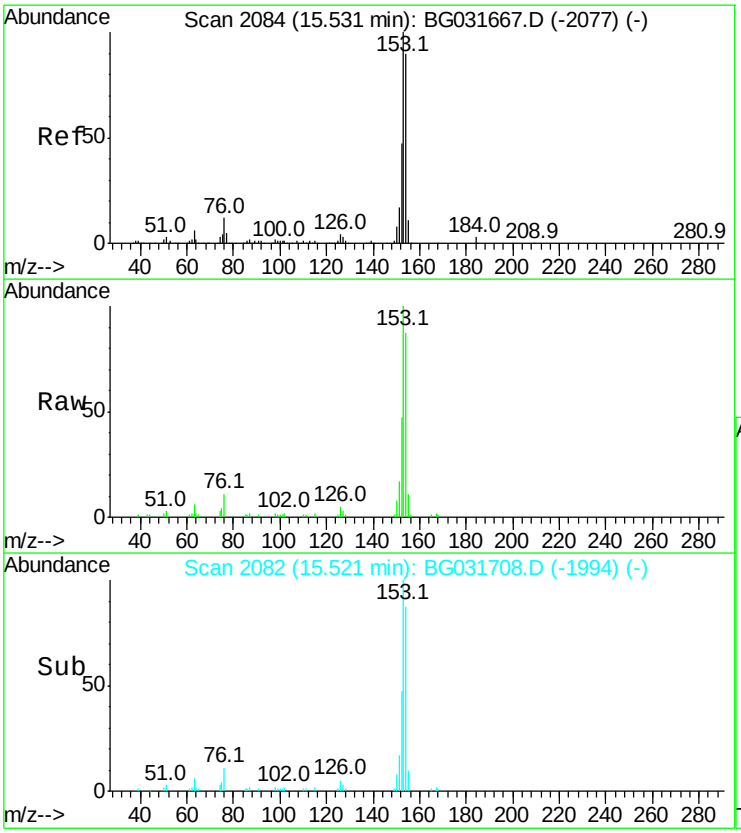
#44
2-Fluorobiphenyl
Concen: 81.720 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:172 Resp: 1070598

Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.4	19.5	29.3

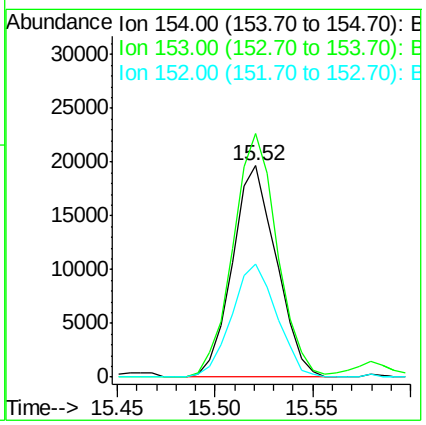


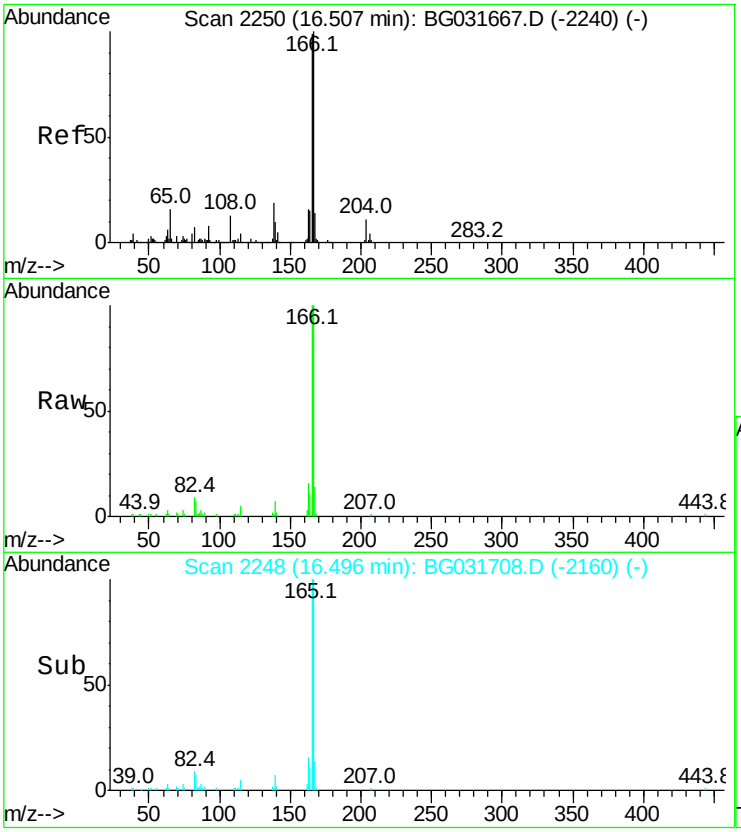


#51
Acenaphthene
Concen: 2.734 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:154 Resp: 30691

Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.4	135.6
152	53.6	41.6	62.4



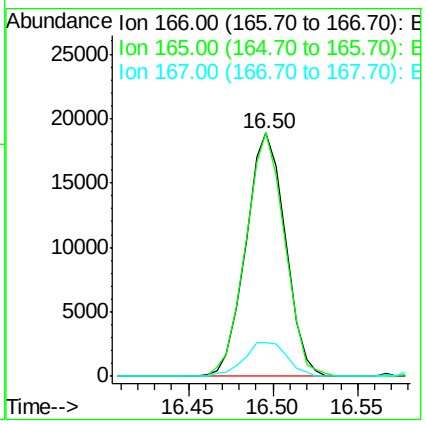


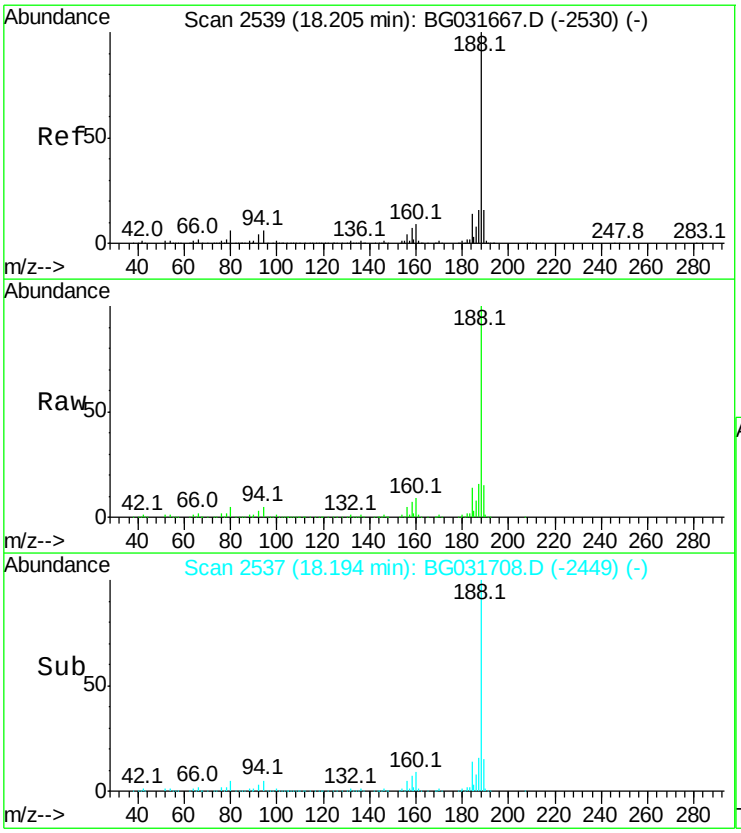
#57
Fluorene
Concen: 2.182 ng
RT: 16.50 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:166 Resp: 30504

Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.6	121.0
167	13.6	10.4	15.6

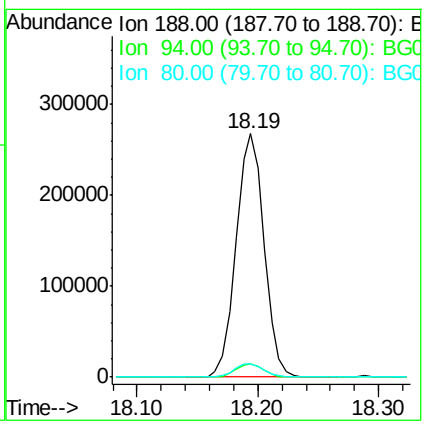


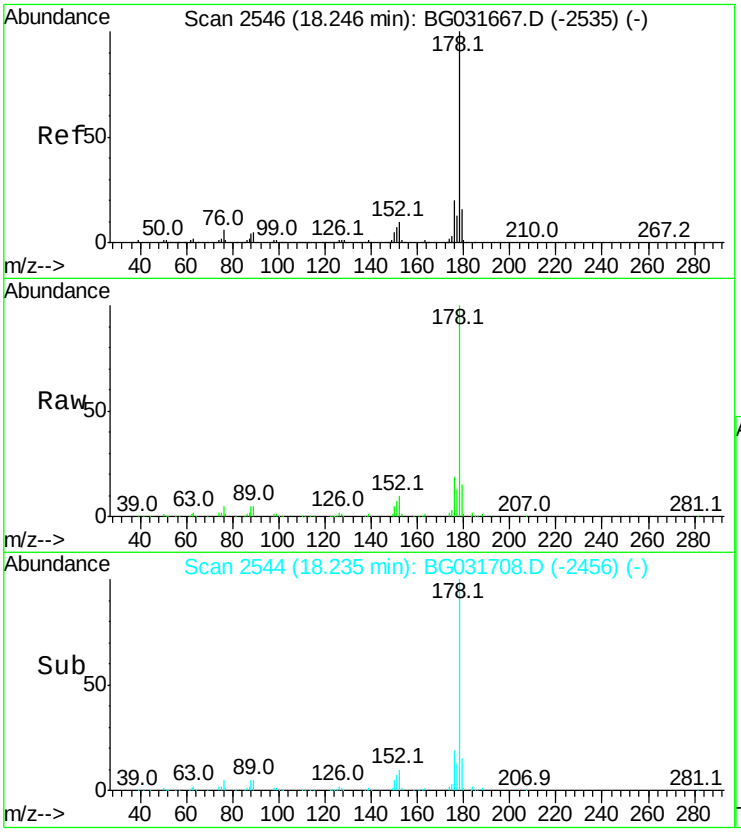


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:188 Resp: 431342

Ion	Ratio	Lower	Upper
188	100		
94	5.4	6.9	10.3#
80	5.4	7.7	11.5#



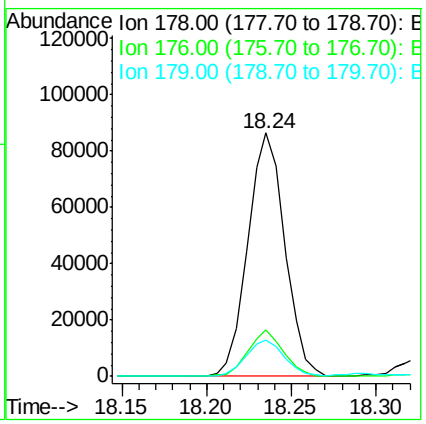


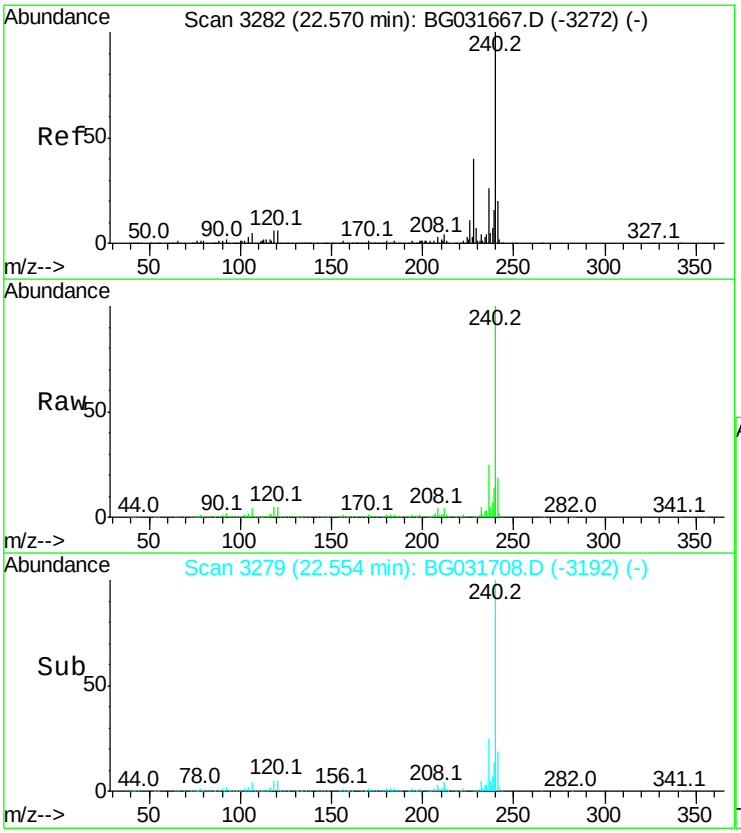
#70
Phenanthrene
Concen: 5.397 ng
RT: 18.24 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:178 Resp: 131733

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.0	12.5	18.7

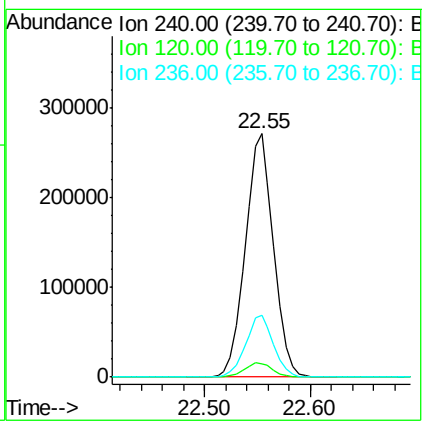


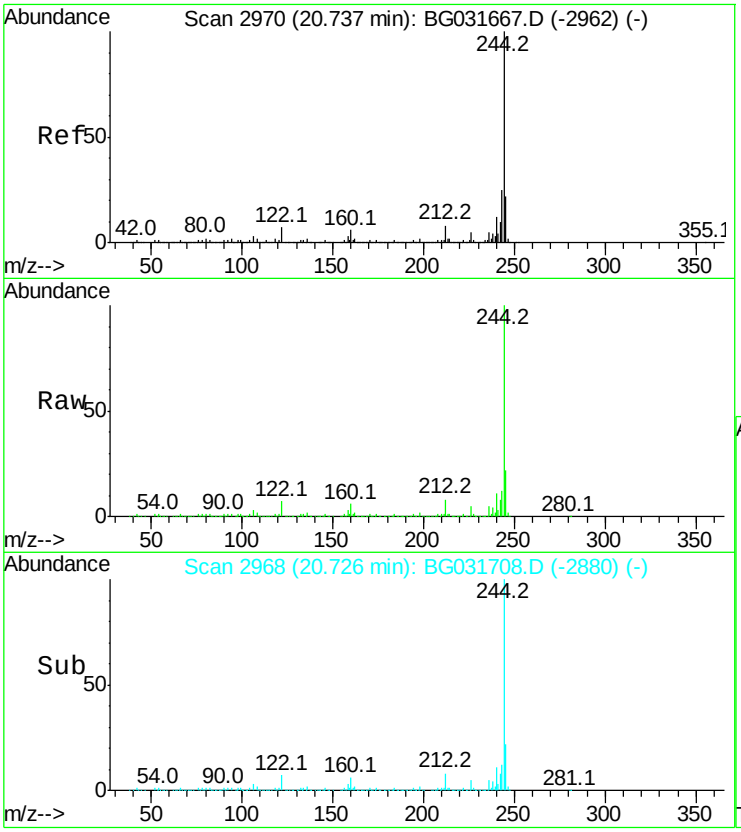


#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:240 Resp: 499891

Ion	Ratio	Lower	Upper
240	100		
120	5.4	6.8	10.2#
236	25.3	20.9	31.3



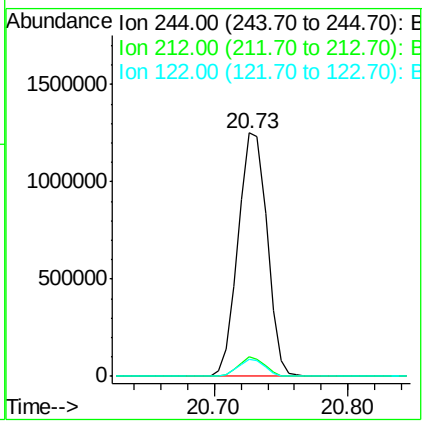


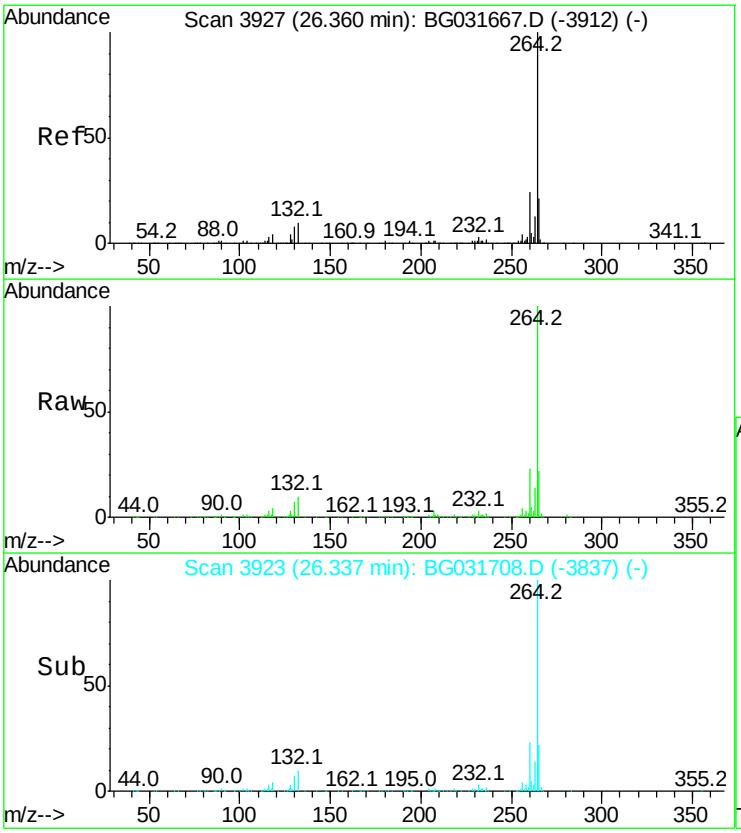
#78
Terphenyl-d14
Concen: 85.724 ng
RT: 20.73 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :
121517-DBRI-E-D-S

Tgt Ion:244 Resp: 1875680

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	7.1	7.0	10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:264 Resp: 523997

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	22.2	17.7	26.5