Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023158.D
Acq On : 18 Jul 2016 13:15
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F9-B4(0-12)C

Quant Time: Jul 19 01:20:30 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 01:16:03 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	134977	20.00	ng		-0.02
21) Naphthalene-d8	10.93	136	627171	20.00	ng		0.00
38) Acenaphthene-d10	14.74	164	478874	20.00	ng		0.00
63) Phenanthrene-d10	17.48	188	1078580	20.00	ng		0.00
75) Chrysene-d12	21.74	240	1073880	20.00	ng		0.00
86) Perylene-d12	25.02	264	1064778	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.65	112	803744	97.39	ng		-0.03
7) Phenol-d6	7.26	99	1316000	101.81	ng		-0.02
23) Nitrobenzene-d5	9.28	82	995841	67.99	ng		-0.01
41) 2,4,6-Tribromophenol	16.23	330	649854	75.51	ng		0.00
44) 2-Fluorobiphenyl	13.37	172	1972008	64.86	ng		0.00
78) Terphenyl-d14	20.07	244	2684314	76.22	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	14.18	163	568581	14.54	ng		98
74) Fluoranthene	19.52	202	191214	2.95	ng		94
77) Pyrene	19.88	202	178756	2.96	ng		92
80) Benzo(a)anthracene	21.72	228	156505	2.60	ng		92
82) Chrysene	21.79	228	146187m	2.59	ng		
87) Benzo(b)fluoranthene	23.98	252	252899	4.12	ng	#	90
89) Benzo(a)pyrene	24.86	252	163296	2.77	ng	#	97

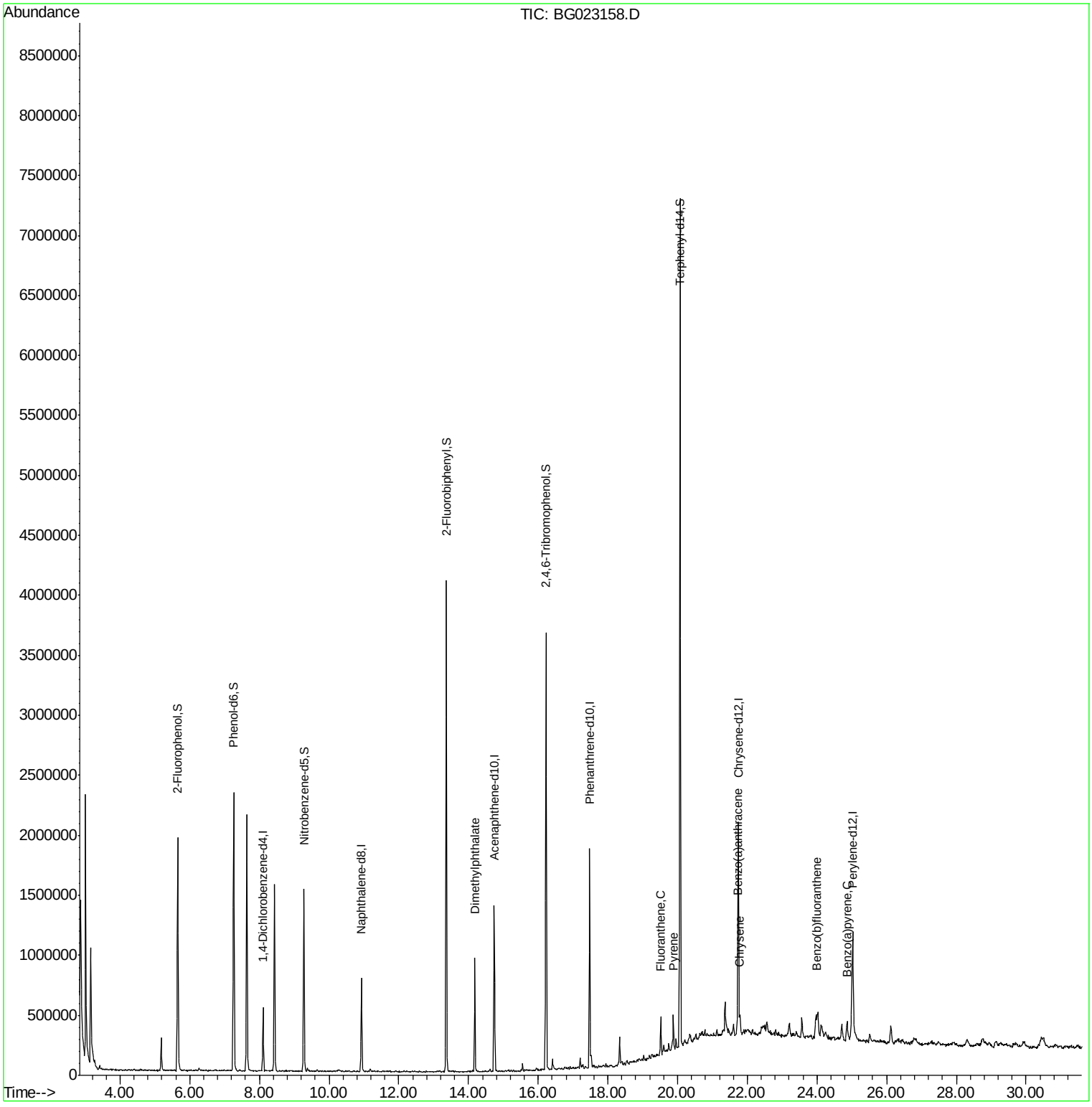
(#) = qualifier out of range (m) = manual integration (+) = signals summed

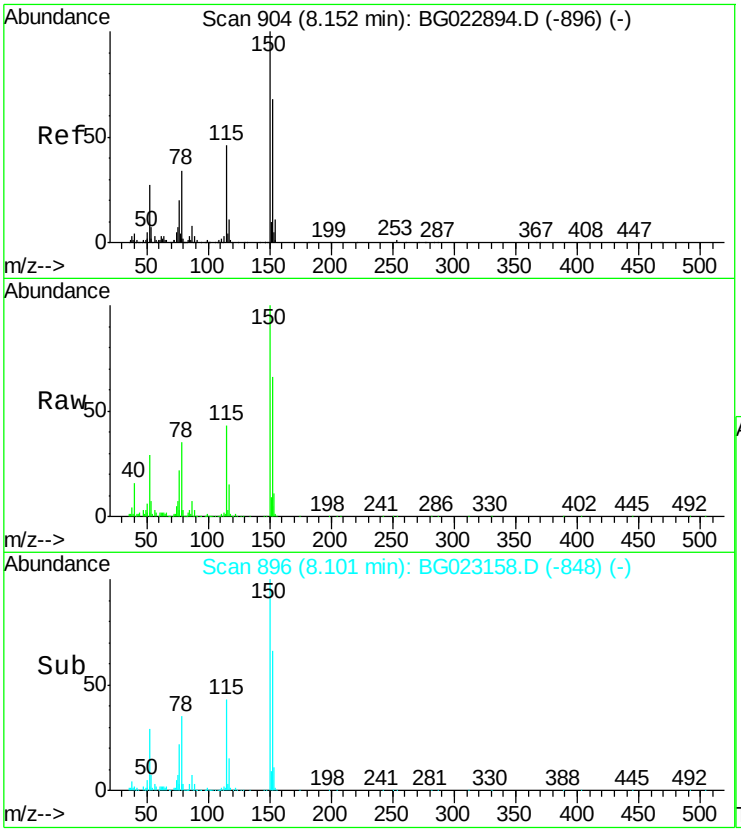
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
Data File : BG023158.D
Acq On : 18 Jul 2016 13:15
Operator : UM/SJ
Sample : H4018-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Quant Time: Jul 19 01:20:30 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 01:16:03 2016
Response via : Initial Calibration



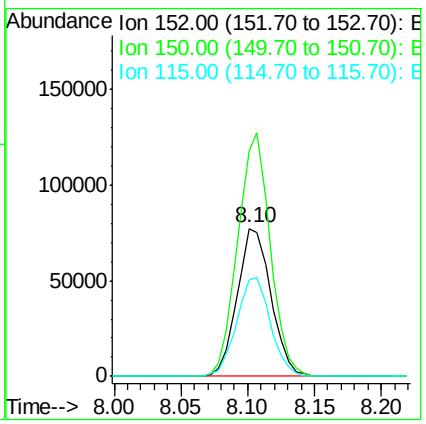


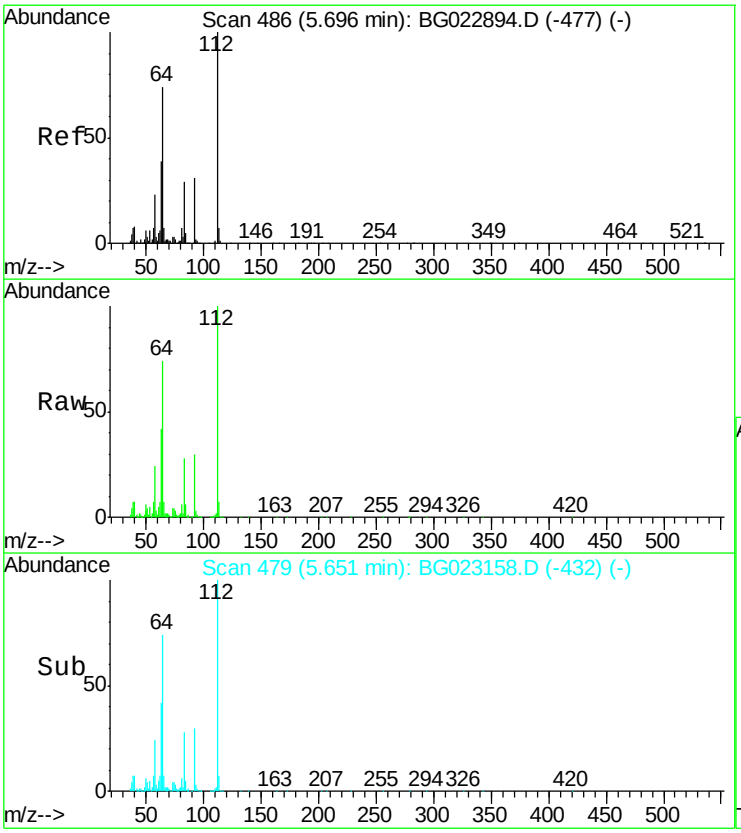
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.10 min Scan# 896
Delta R.T. -0.02 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:152 Resp: 134977

Ion	Ratio	Lower	Upper
152	100		
150	152.5	144.7	217.1
115	65.5	64.0	96.0

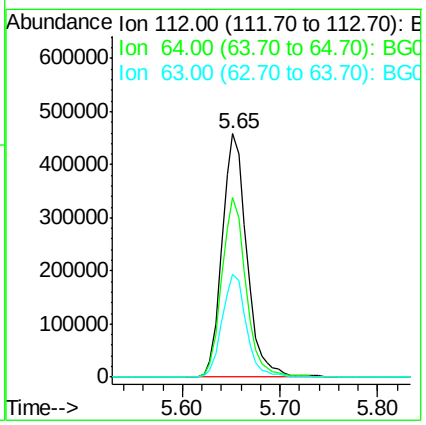


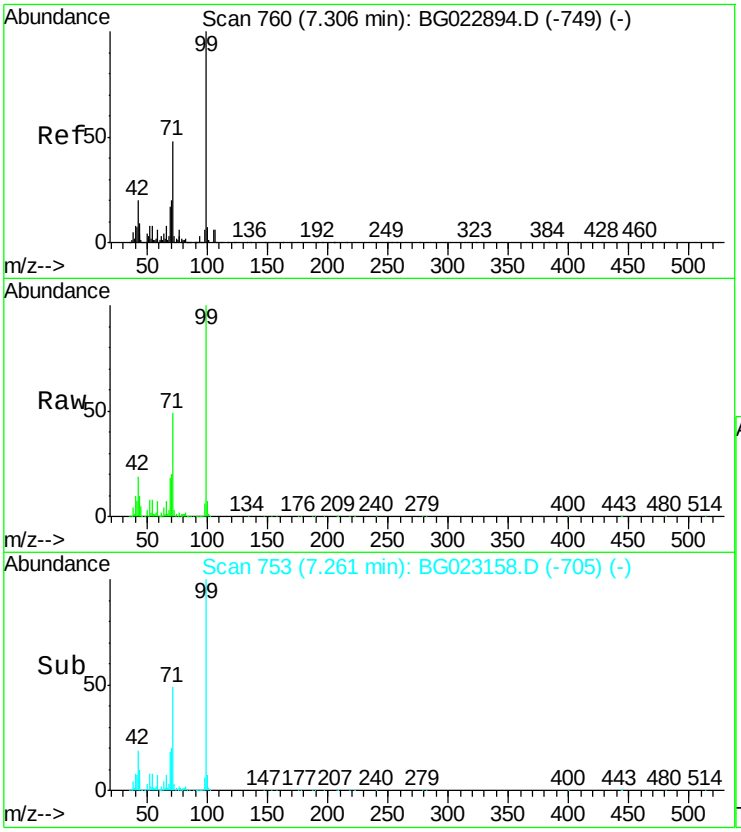


#5
2-Fluorophenol
Concen: 97.39 ng
RT: 5.65 min Scan# 479
Delta R.T. -0.03 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:112 Resp: 803744

Ion	Ratio	Lower	Upper
112	100		
64	73.9	59.0	88.4
63	42.2	37.8	56.8



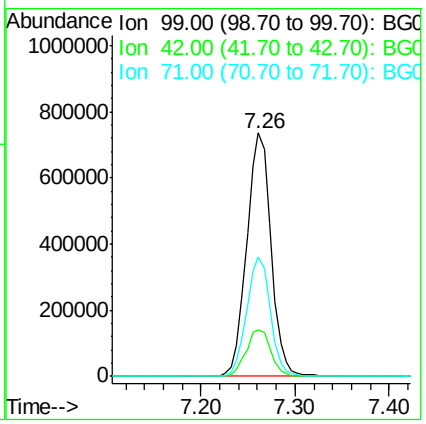


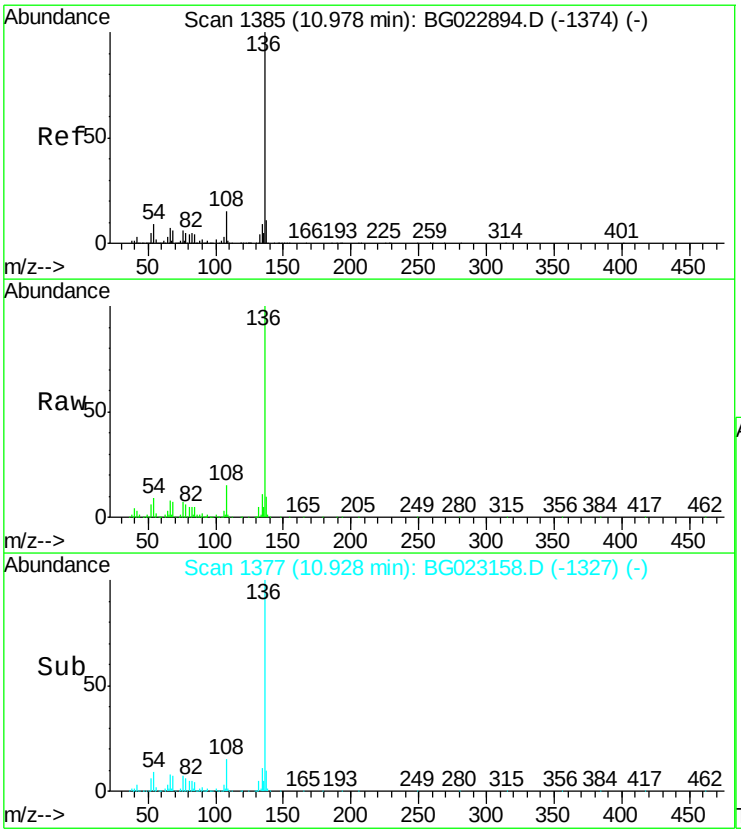
#7
Phenol-d6
Concen: 101.81 ng
RT: 7.26 min Scan# 753
Delta R.T. -0.02 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion: 99 Resp: 1316000

Ion	Ratio	Lower	Upper
99	100		
42	19.2	17.8	26.6
71	48.8	41.5	62.3

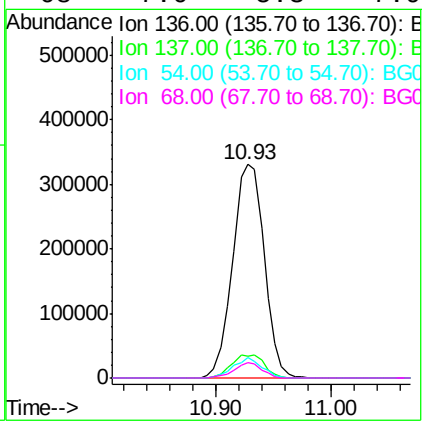


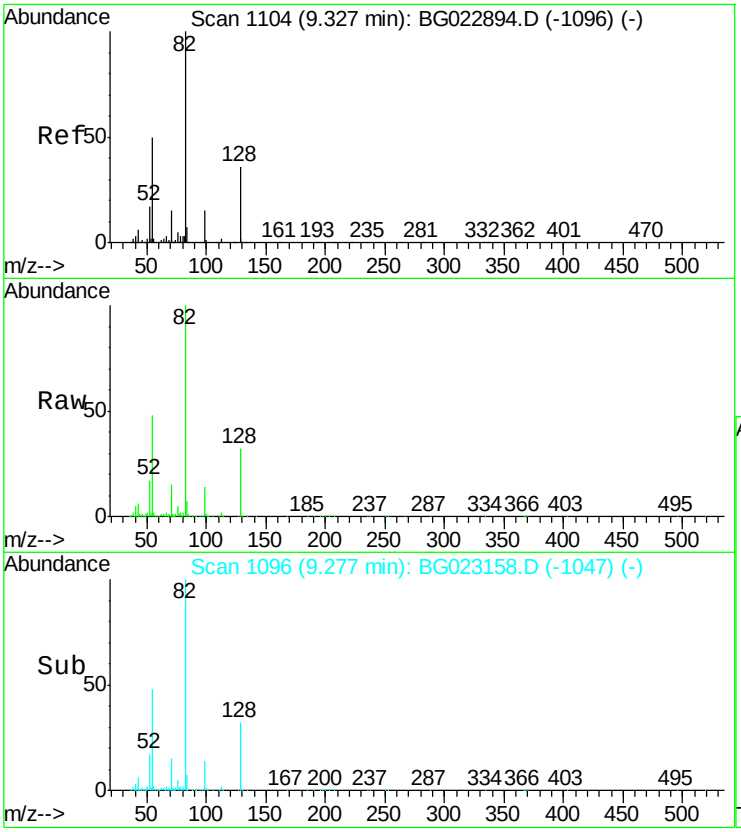


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:136 Resp: 627171

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.6	14.4
54	9.3	7.3	10.9
68	7.0	5.3	7.9



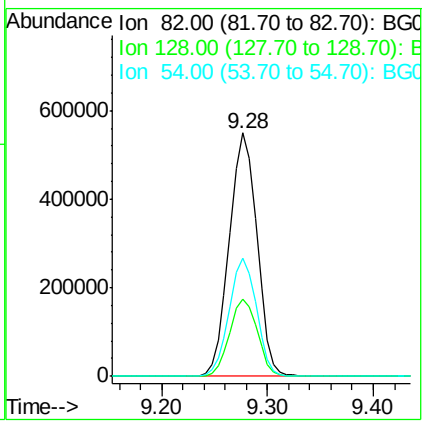


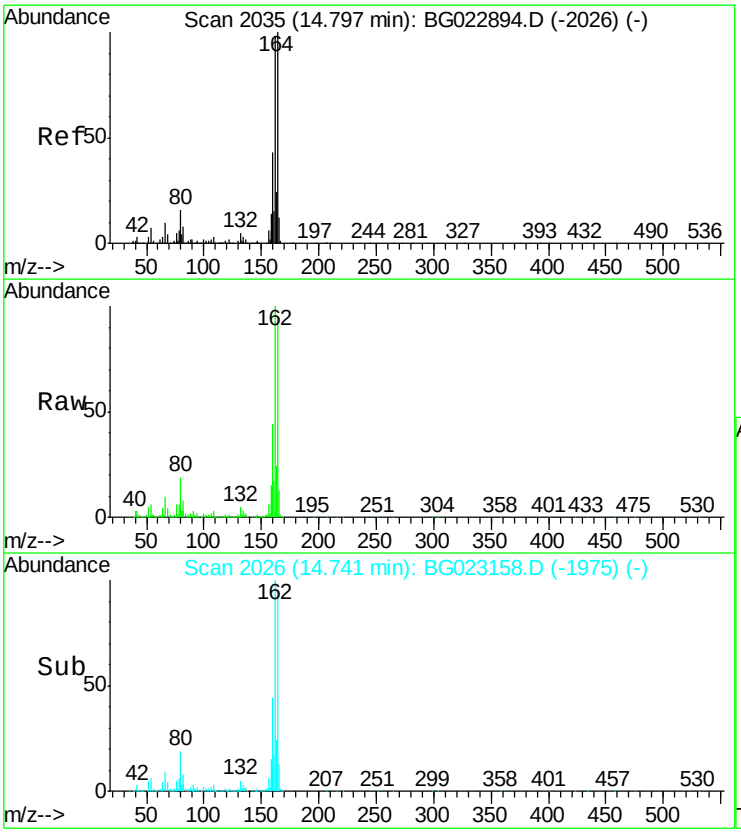
#23
Nitrobenzene-d5
Concen: 67.99 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion: 82 Resp: 995841

Ion	Ratio	Lower	Upper
82	100		
128	31.7	24.4	36.6
54	48.4	41.4	62.0

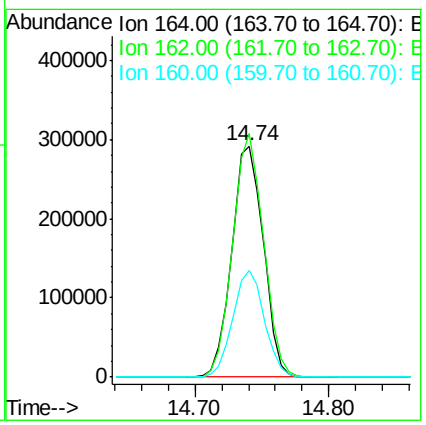


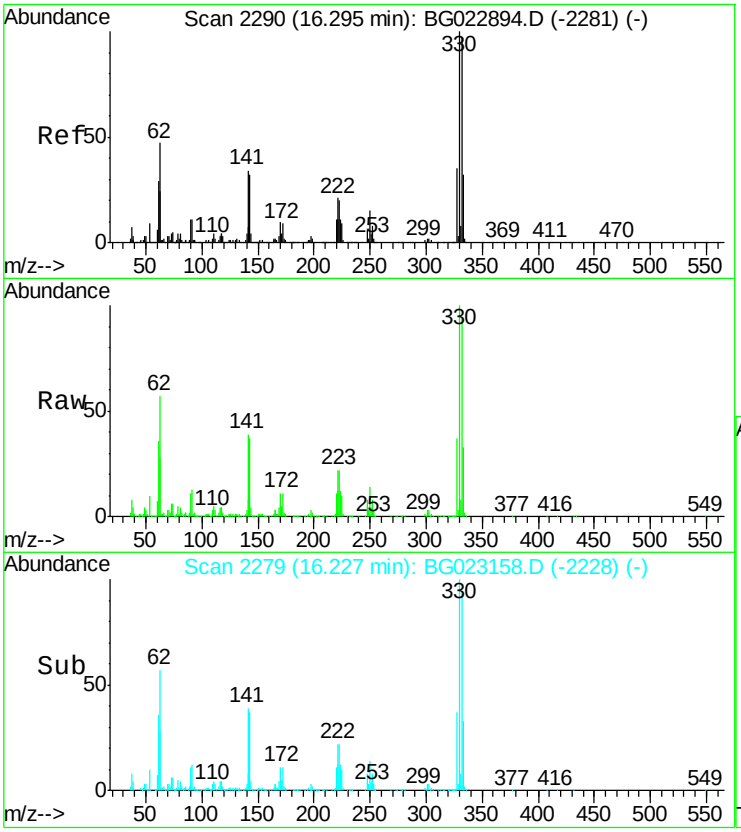


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:164 Resp: 478874

Ion	Ratio	Lower	Upper
164	100		
162	105.3	87.7	131.5
160	46.1	37.2	55.8



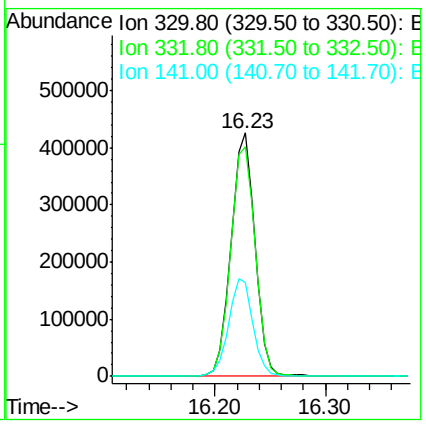


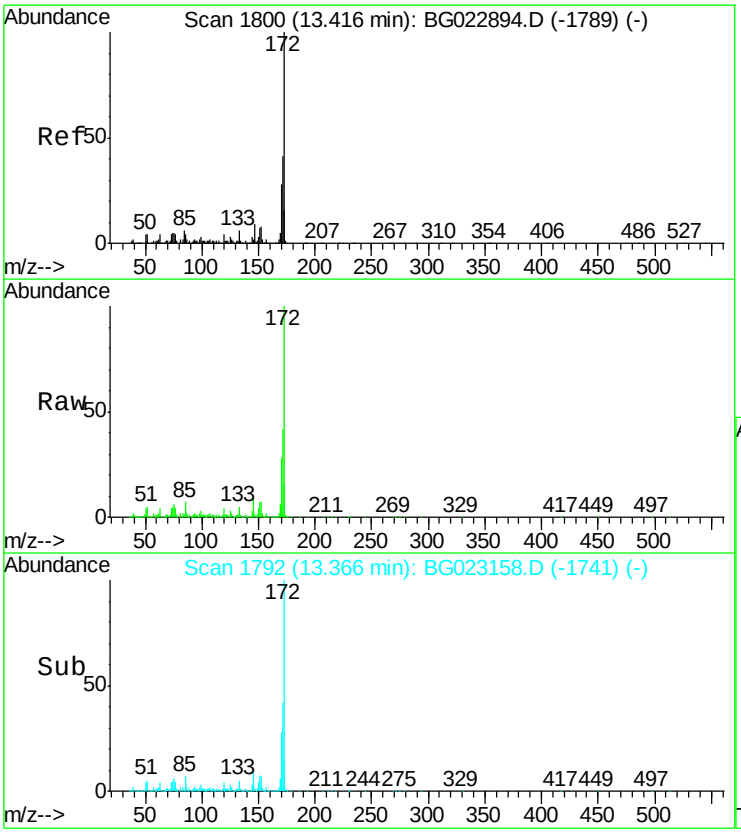
#41
2,4,6-Tribromophenol
Concen: 75.51 ng
RT: 16.23 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:330 Resp: 649854

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.2
141	40.4	31.7	47.5

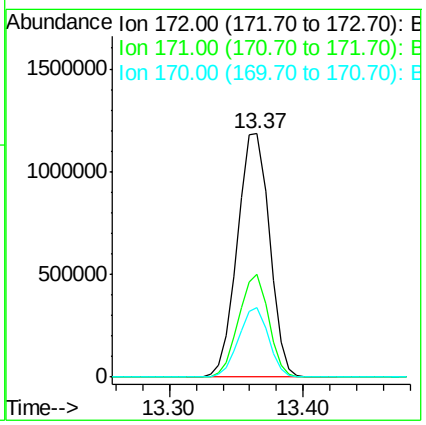


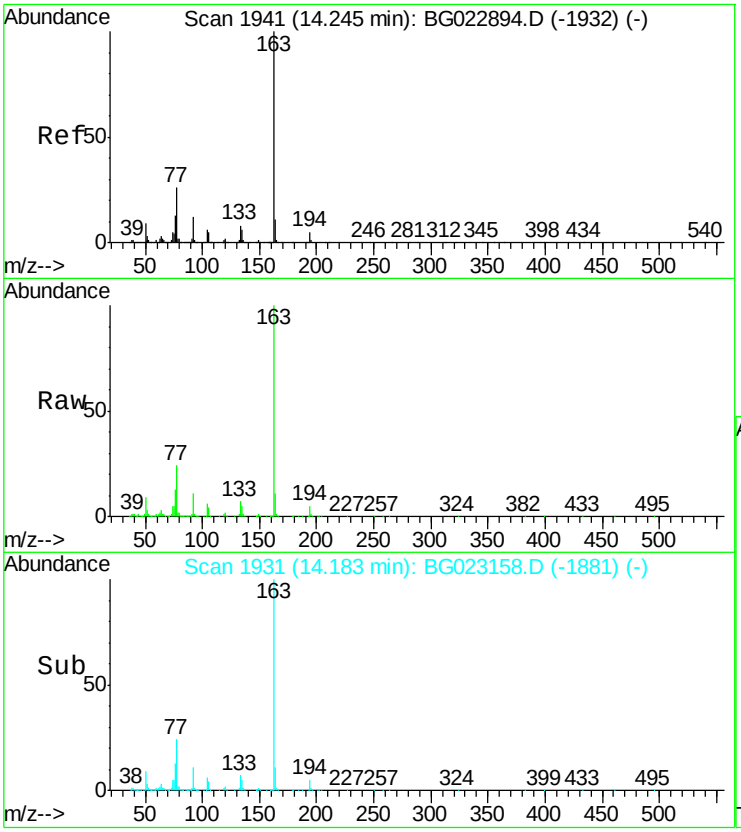


#44
2-Fluorobiphenyl
Concen: 64.86 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:172 Resp: 1972008

Ion	Ratio	Lower	Upper
172	100		
171	42.1	31.6	47.4
170	28.3	21.3	31.9



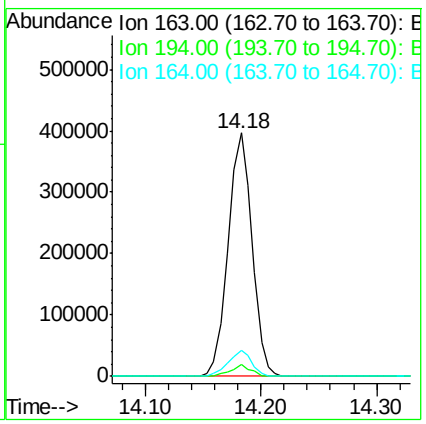


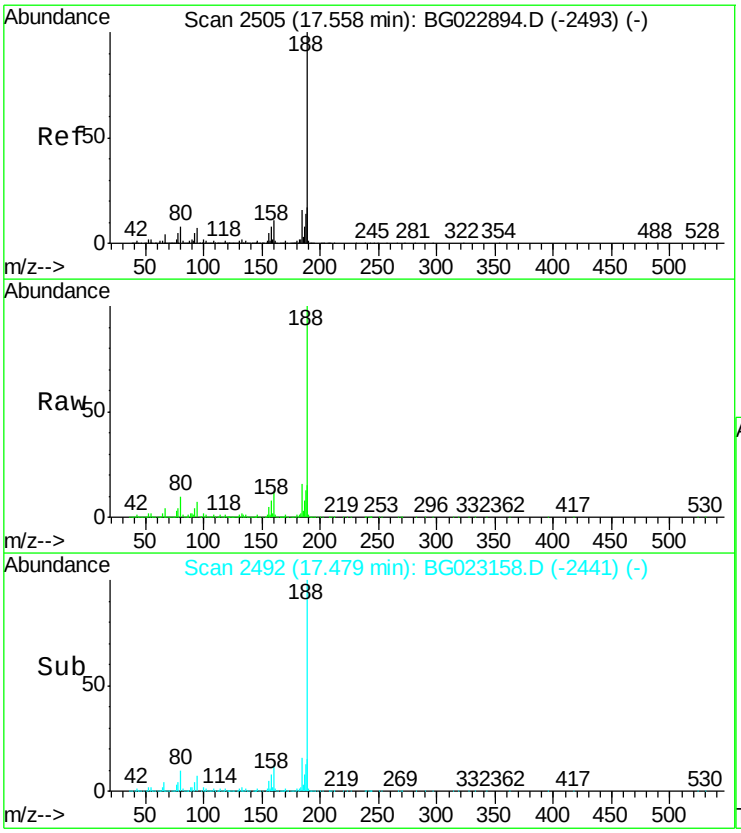
#49
Dimethylphthalate
Concen: 14.54 ng
RT: 14.18 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:163 Resp: 568581

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	10.9	8.1	12.1

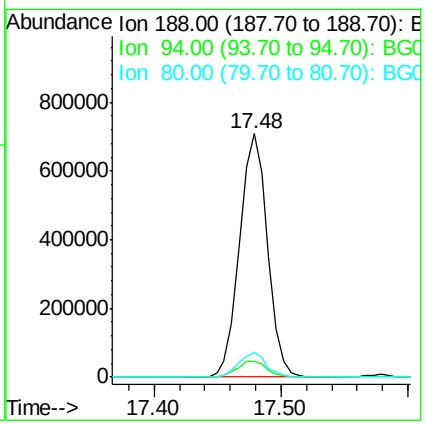


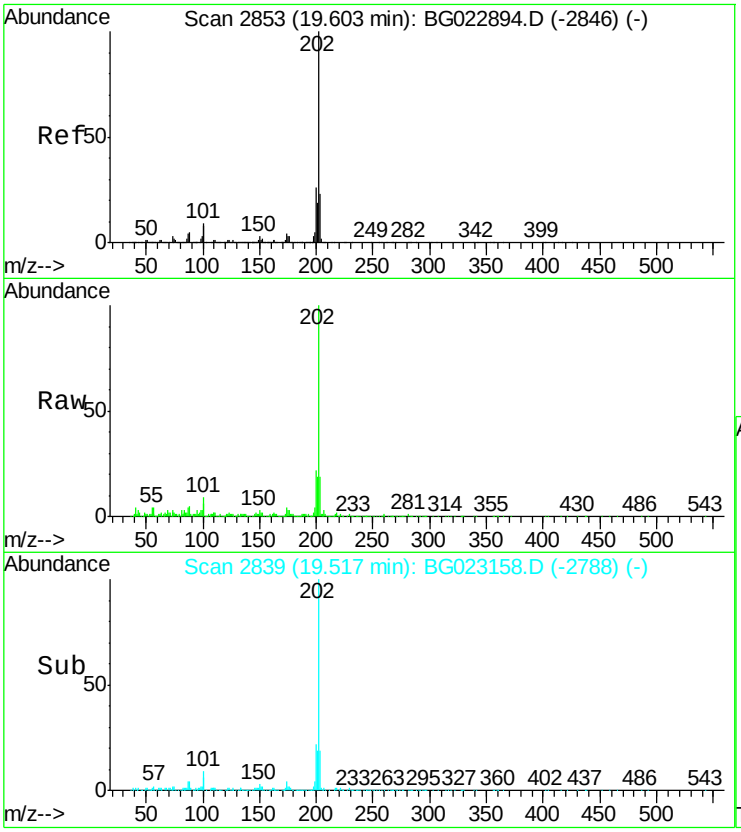


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:188 Resp: 1078580

Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.2	7.8
80	10.2	7.2	10.8



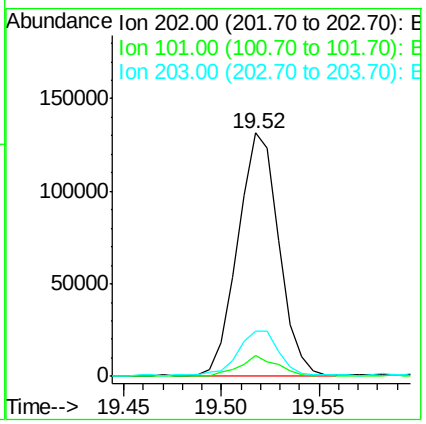


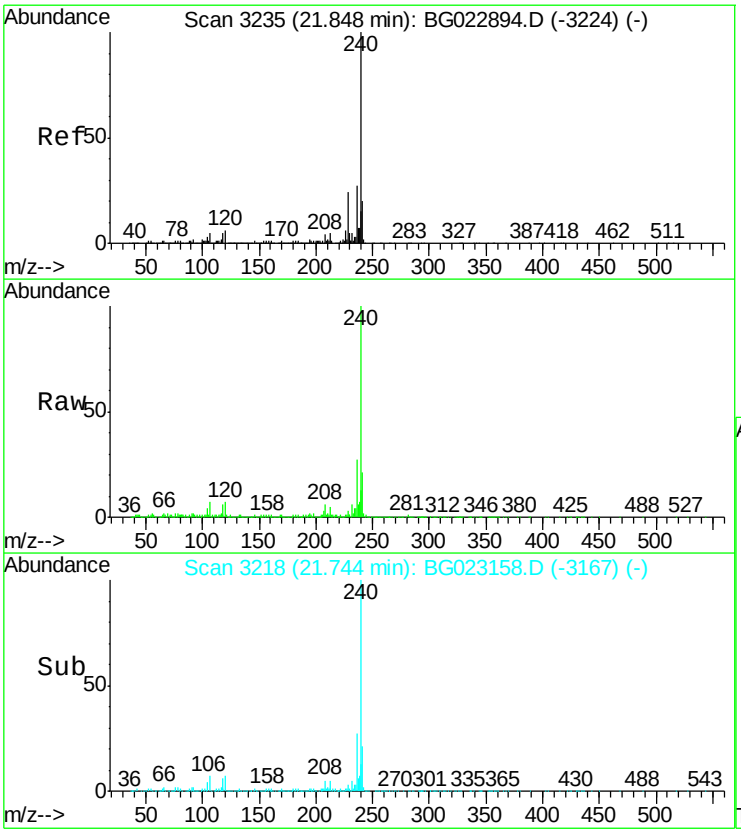
#74
Fluoranthene
Concen: 2.95 ng
RT: 19.52 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:202 Resp: 191214

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	27.4
203	18.6	1.7	41.7

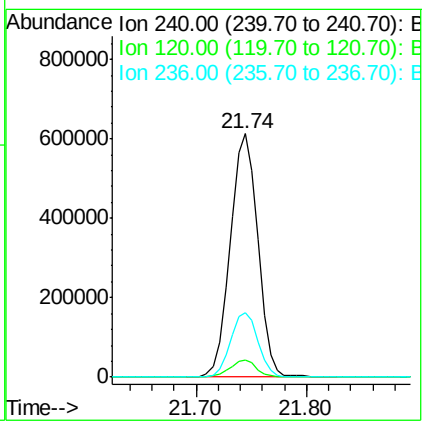


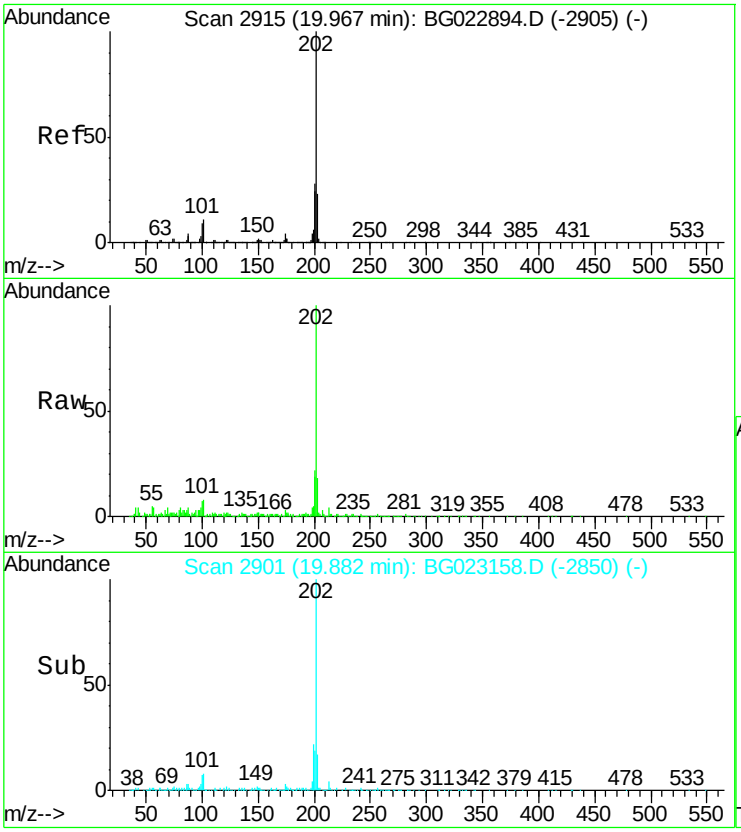


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.74 min Scan# 3218
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:240 Resp: 1073880

Ion	Ratio	Lower	Upper
240	100		
120	6.8	4.1	6.1#
236	26.6	21.1	31.7



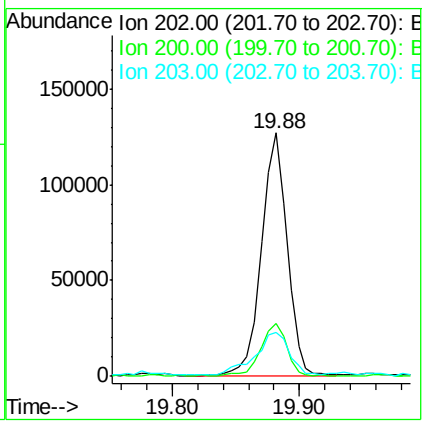


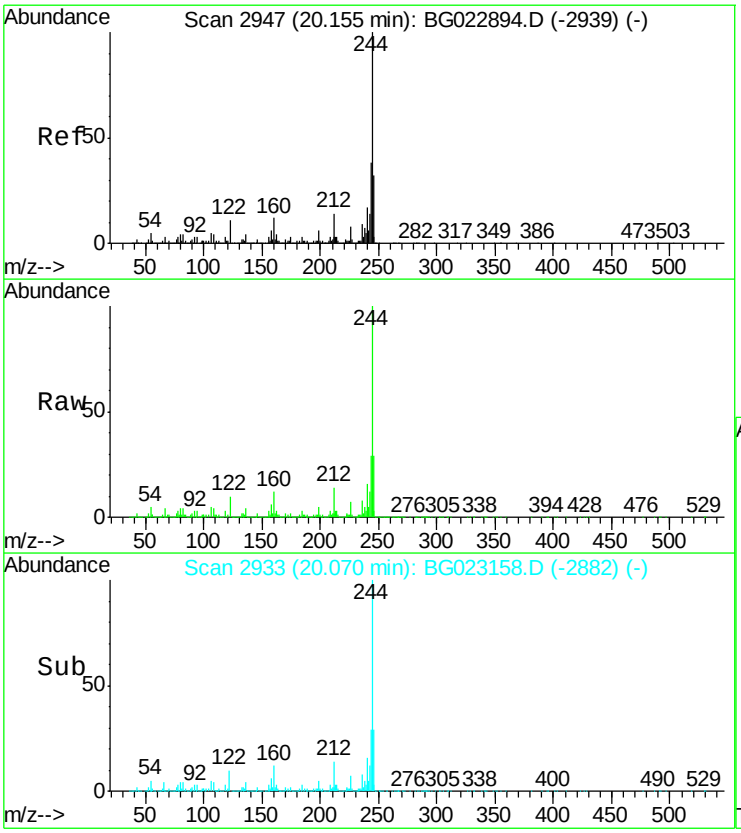
#77
Pyrene
Concen: 2.96 ng
RT: 19.88 min Scan# 2901
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:202 Resp: 178756

Ion	Ratio	Lower	Upper
202	100		
200	21.6	21.2	31.8
203	17.9	16.8	25.2

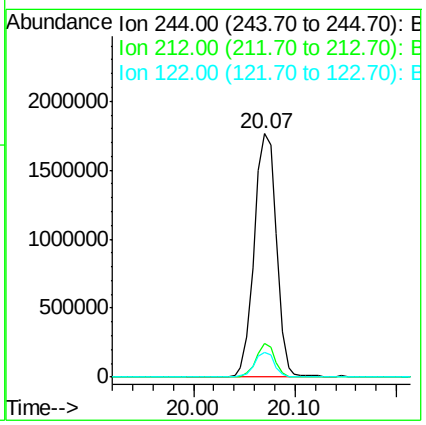


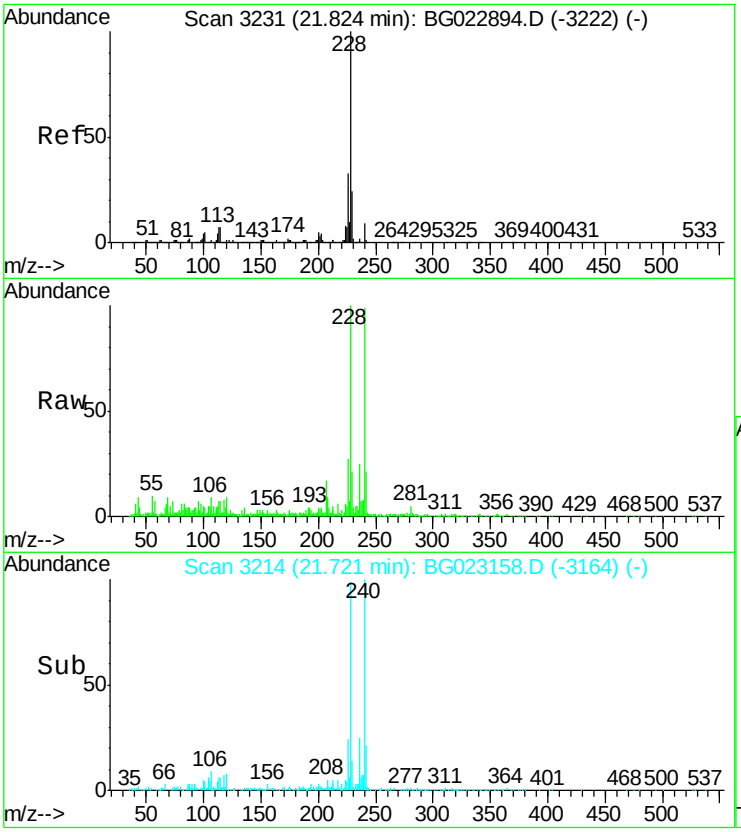


#78
Terphenyl-d14
Concen: 76.22 ng
RT: 20.07 min Scan# 2933
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:244 Resp: 2684314

Ion	Ratio	Lower	Upper
244	100		
212	13.7	10.8	16.2
122	10.3	8.0	12.0



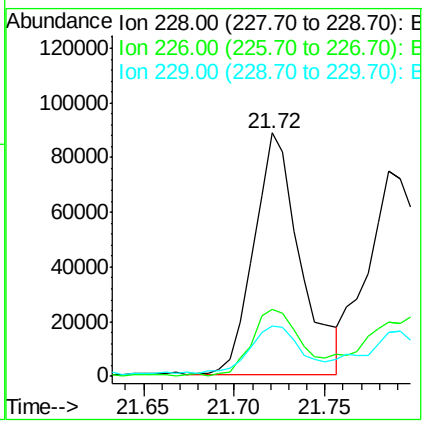


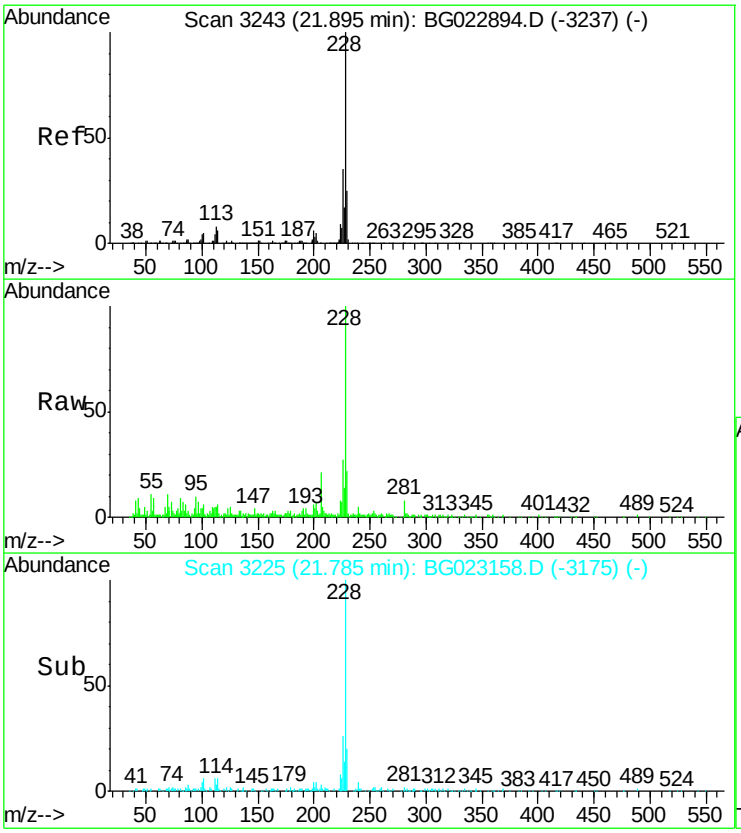
#80
Benzo(a)anthracene
Concen: 2.60 ng
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:228 Resp: 156505

Ion	Ratio	Lower	Upper
228	100		
226	27.4	25.3	37.9
229	20.6	19.9	29.9

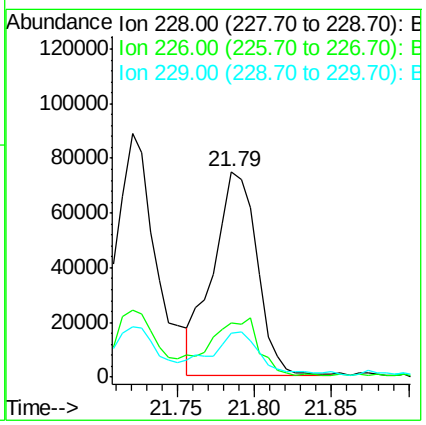


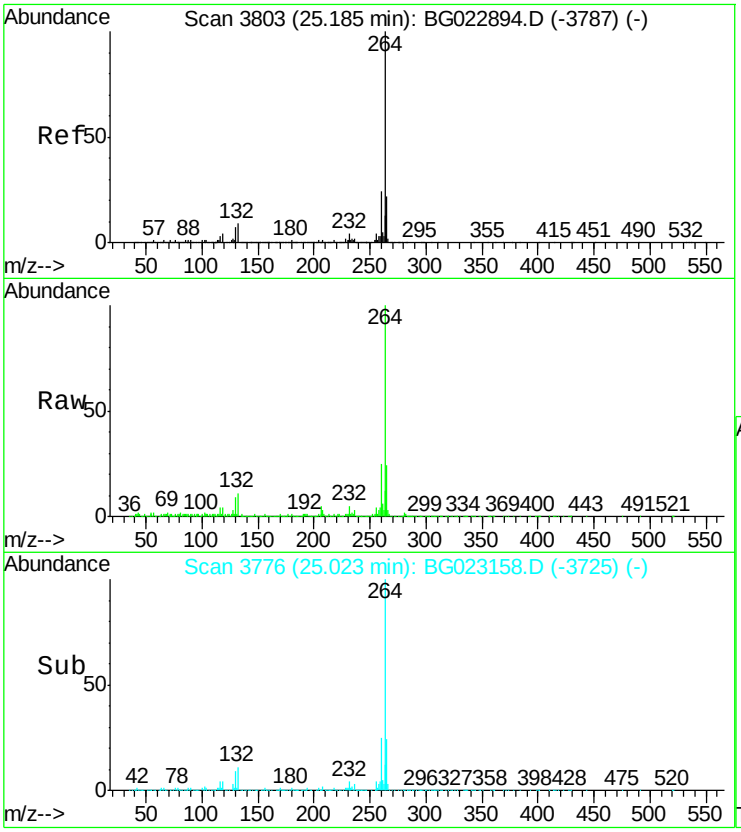


#82
Chrysene
Concen: 2.59 ng m
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:228 Resp: 146187

Ion	Ratio	Lower	Upper
228	100		
226	26.5	26.7	40.1#
229	21.5	17.4	26.2



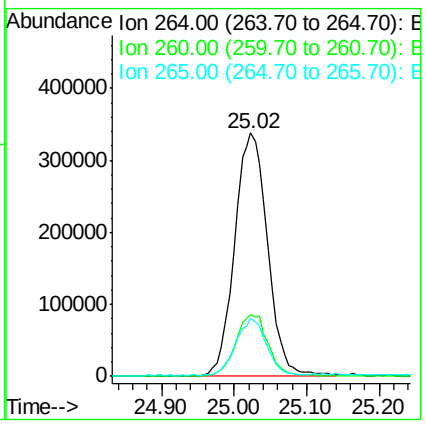


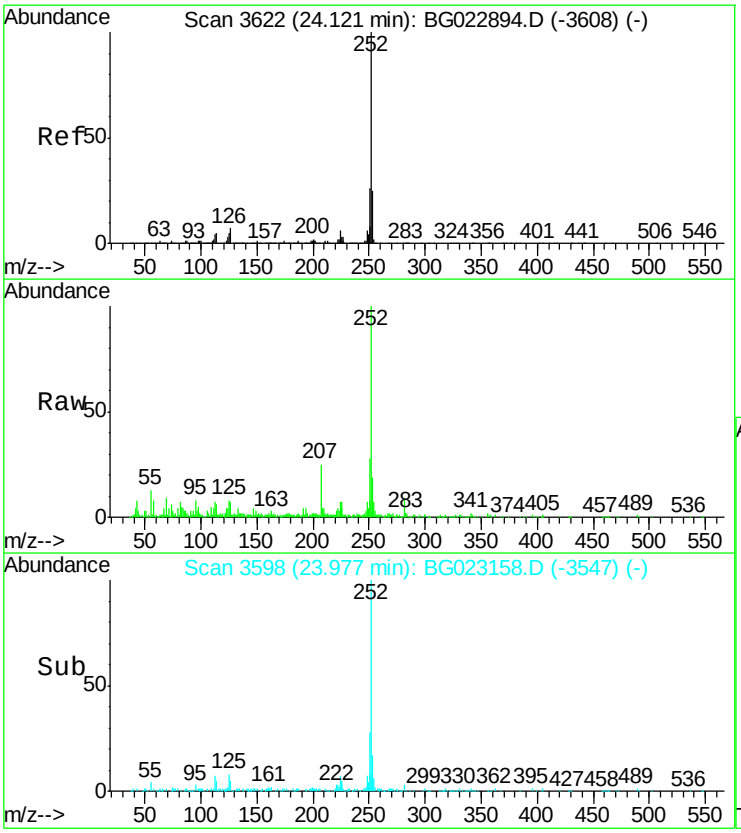
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3776
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:264 Resp: 1064778

Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.4	27.6
265	24.0	18.9	28.3

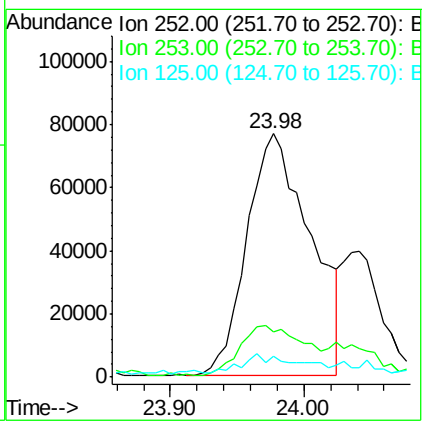


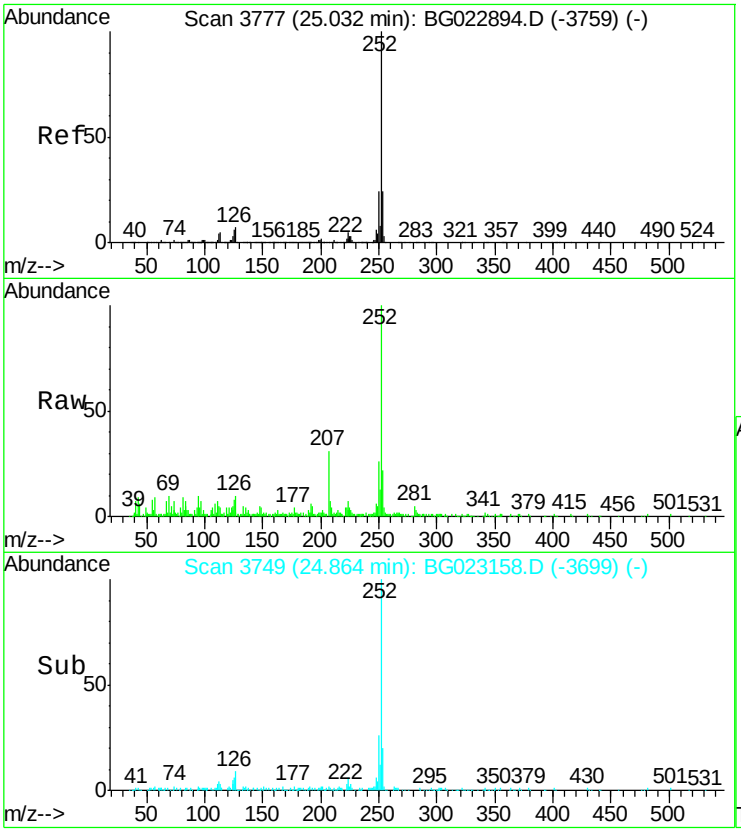


#87
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:252 Resp: 252899

Ion	Ratio	Lower	Upper
252	100		
253	18.5	18.9	28.3#
125	8.4	3.9	5.9#





#89
Benzo(a)pyrene
Concen: 2.77 ng
RT: 24.86 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:252 Resp: 163296

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	7.9	3.9	5.9#