Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022988.D
Acq On : 10 Jul 2016 6:49
Operator : UM/SJ
Sample : H3921-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : N8-B1(5-12)C

Quant Time: Jul 11 03:41:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 16:51:07 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	92770	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	441174	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	354284	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	839717	20.00	ng	0.00
75) Chrysene-d12	21.85	240	915681	20.00	ng	0.00
86) Perylene-d12	25.21	264	922832	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	931291	164.18	ng	0.00
7) Phenol-d6	7.30	99	1504740	169.37	ng	0.00
23) Nitrobenzene-d5	9.32	82	1078238	104.65	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	867014	136.17	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	2146914	95.45	ng	0.00
78) Terphenyl-d14	20.15	244	2750894	103.54	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.24	163	372006	12.85	ng	97
70) Phenanthrene	17.59	178	108495	2.64	ng	94
74) Fluoranthene	19.60	202	104843	2.08	ng	93

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

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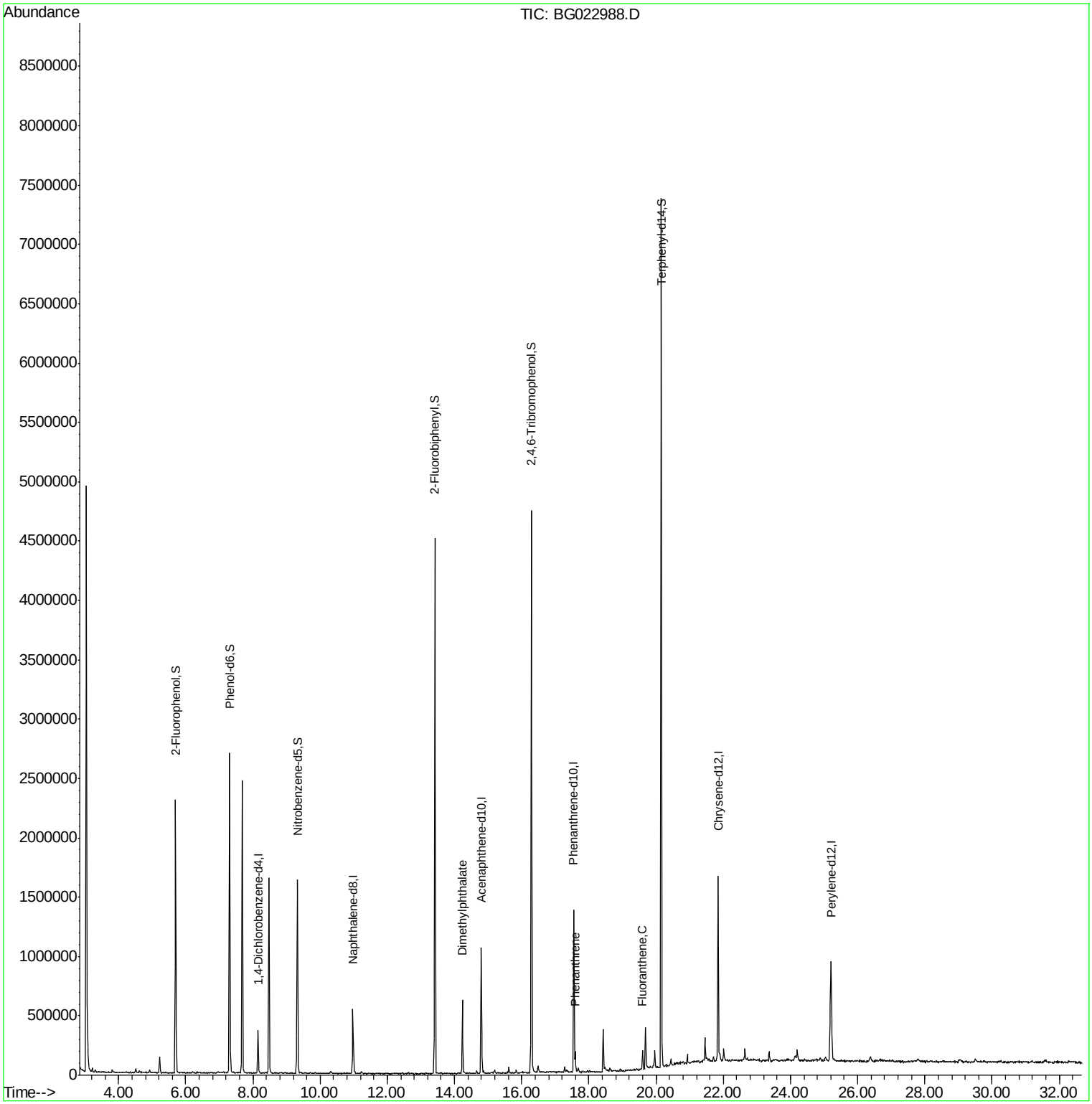
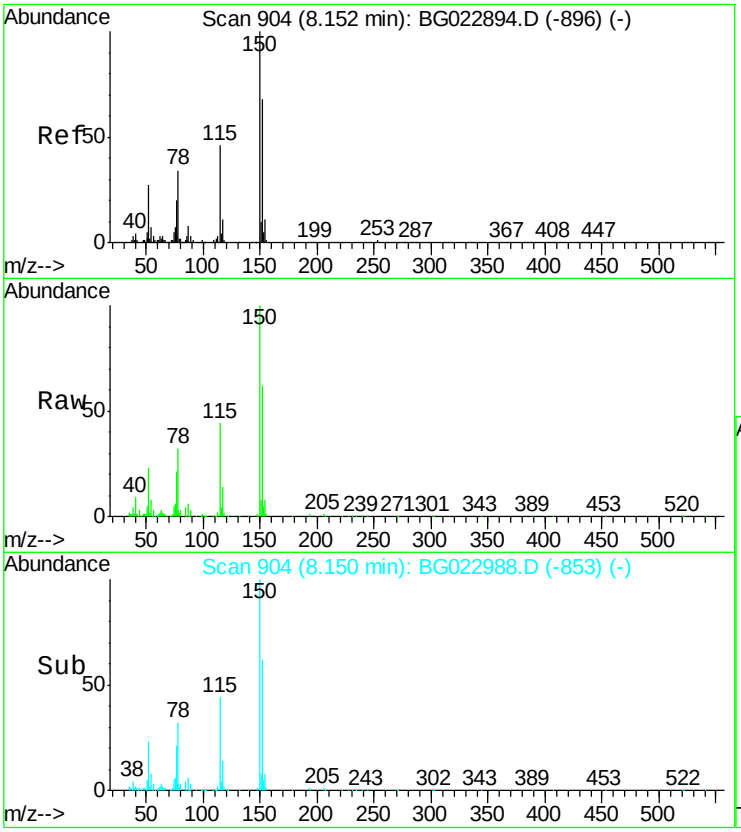


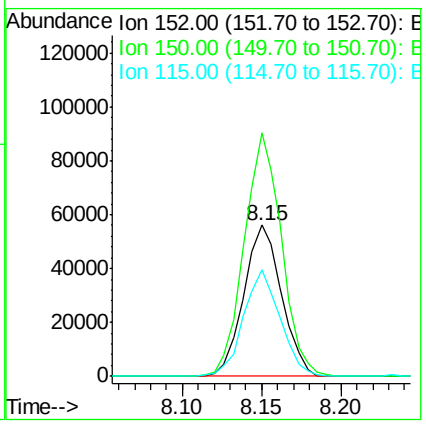


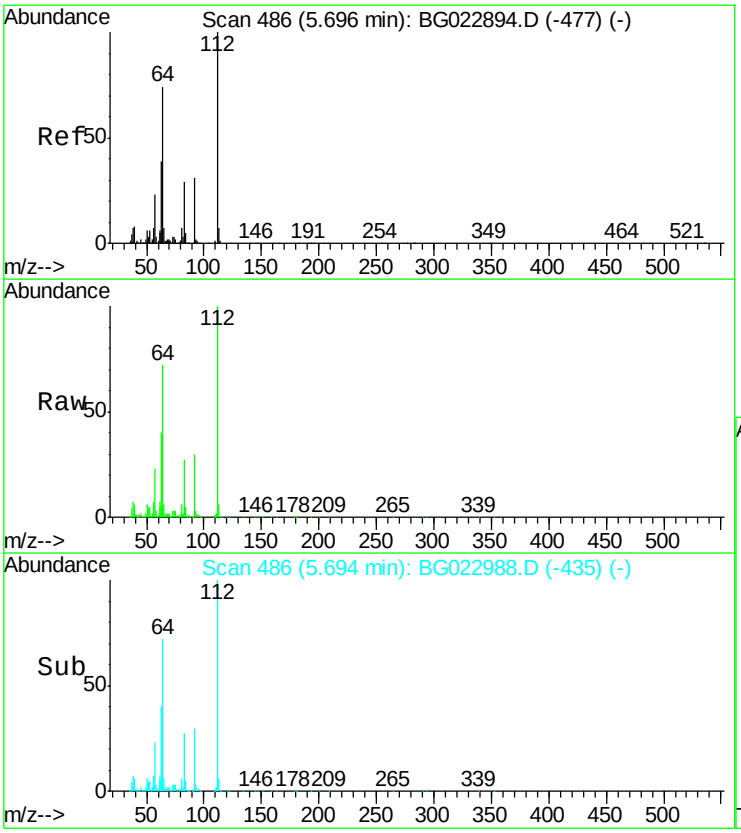
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:152 Resp: 92770

Ion	Ratio	Lower	Upper
152	100		
150	160.9	144.7	217.1
115	70.5	64.0	96.0

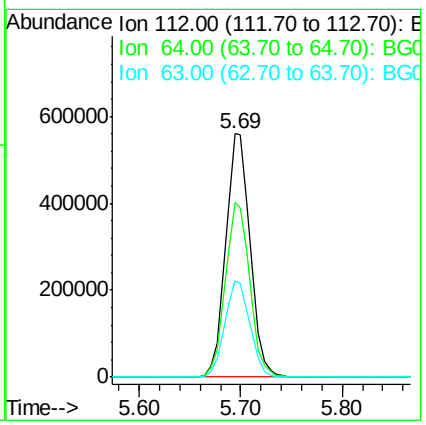


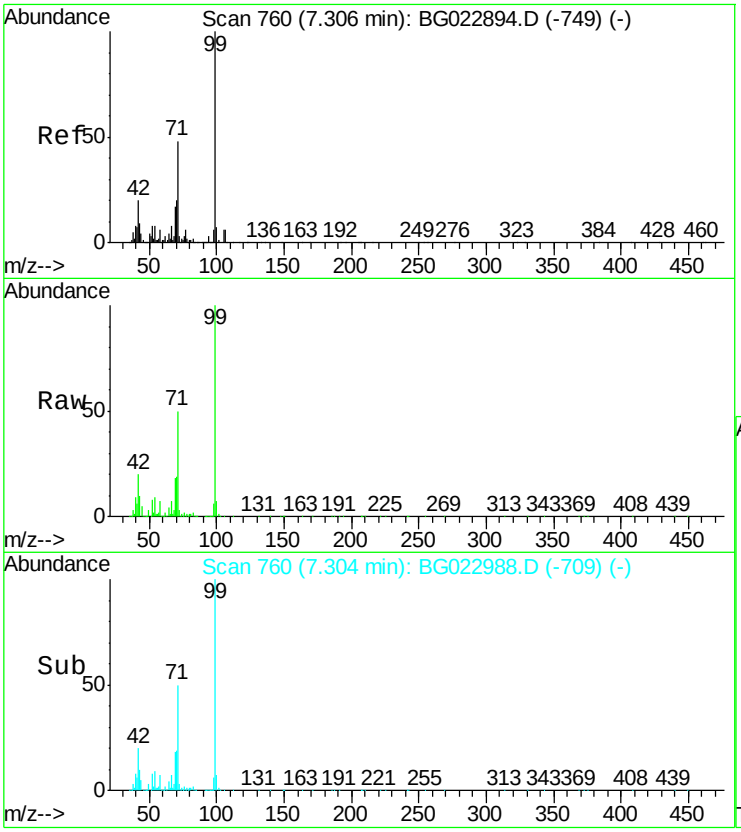


#5
2-Fluorophenol
Concen: 164.18 ng
RT: 5.69 min Scan# 486
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:112 Resp: 931291

Ion	Ratio	Lower	Upper
112	100		
64	71.5	59.0	88.4
63	39.7	37.8	56.8



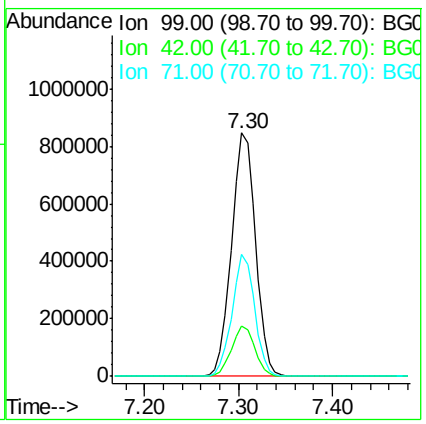


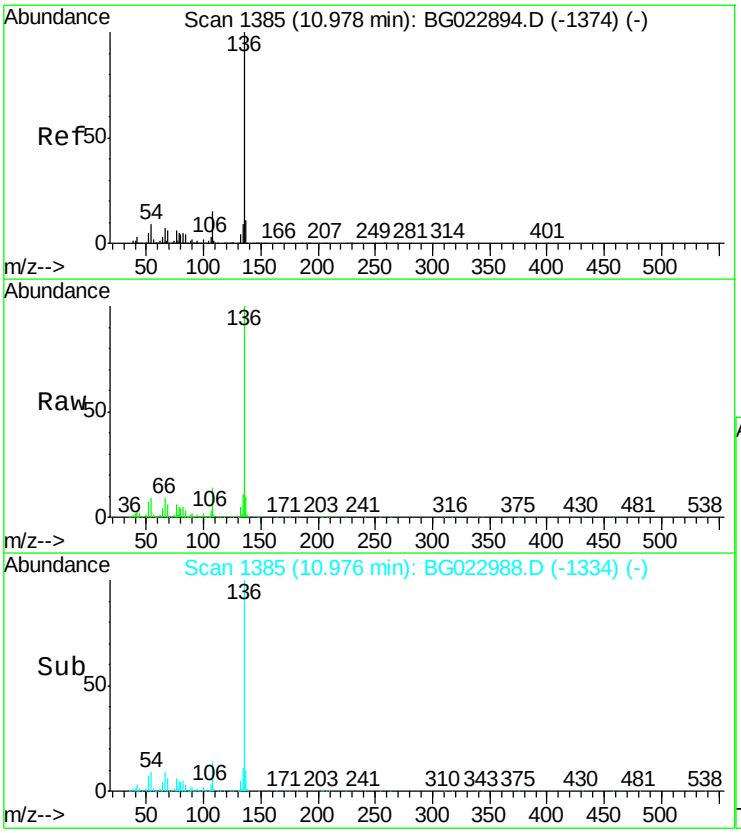
#7
Phenol-d6
Concen: 169.37 ng
RT: 7.30 min Scan# 760
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion: 99 Resp: 1504740

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.8	26.6
71	50.2	41.5	62.3

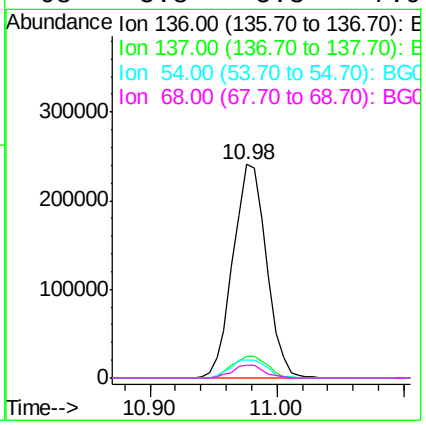


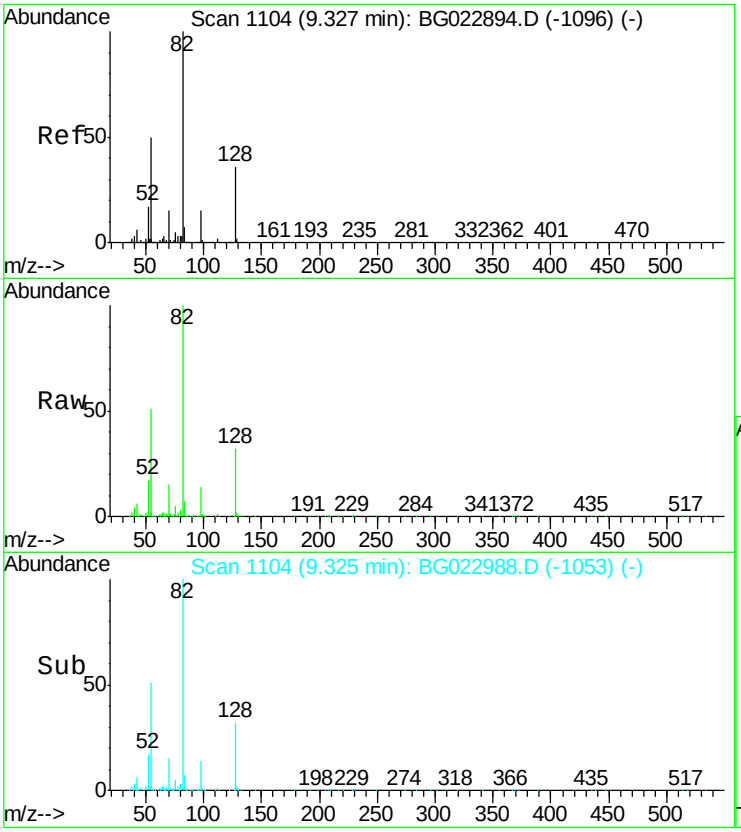


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:136 Resp: 441174

Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.6	14.4
54	8.7	7.3	10.9
68	5.8	5.3	7.9



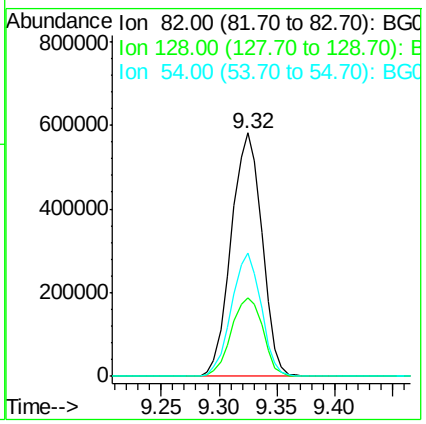


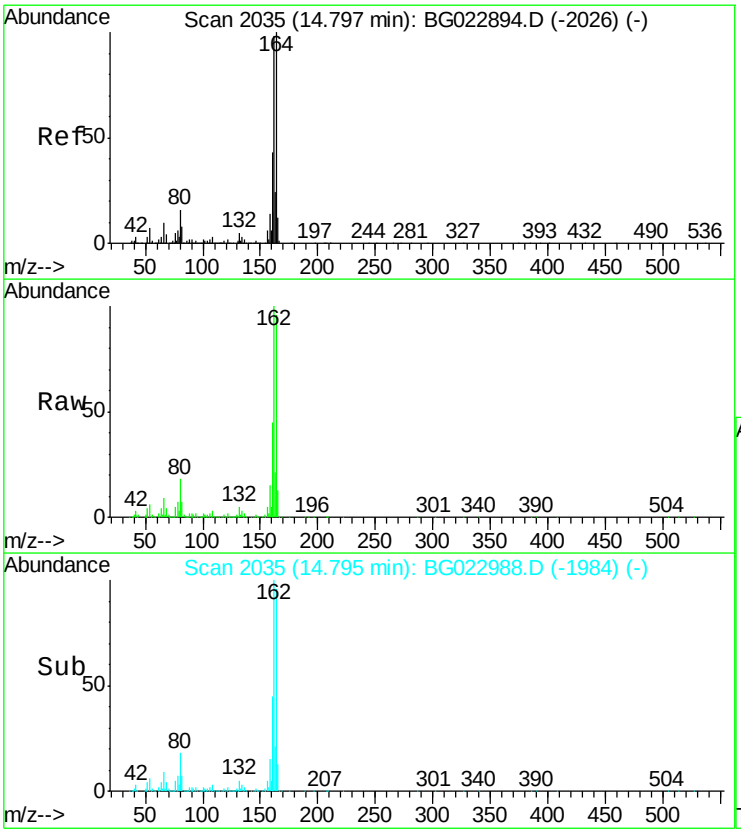
#23
Nitrobenzene-d5
Concen: 104.65 ng
RT: 9.32 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion: 82 Resp: 1078238

Ion	Ratio	Lower	Upper
82	100		
128	32.1	24.4	36.6
54	50.7	41.4	62.0

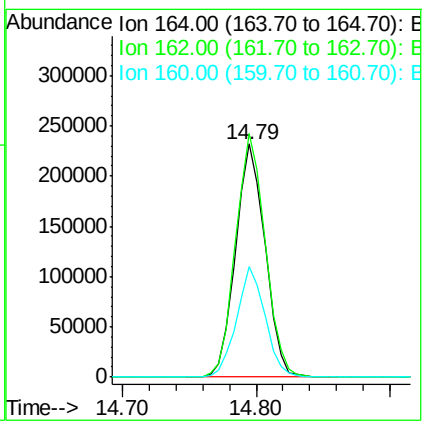


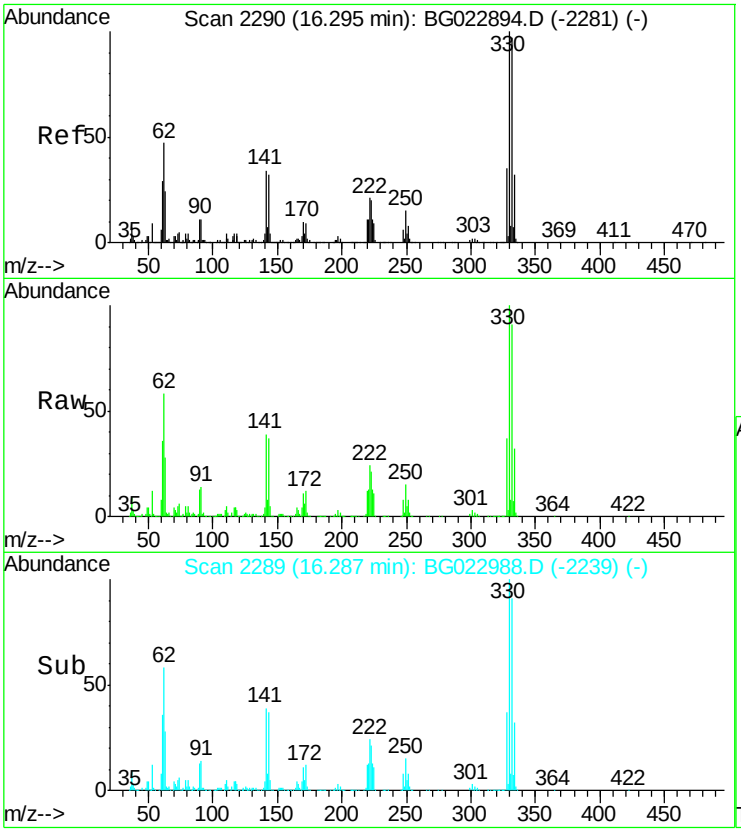


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:164 Resp: 354284

Ion	Ratio	Lower	Upper
164	100		
162	104.4	87.7	131.5
160	47.2	37.2	55.8



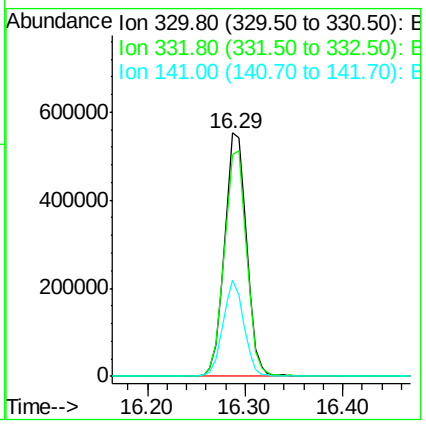


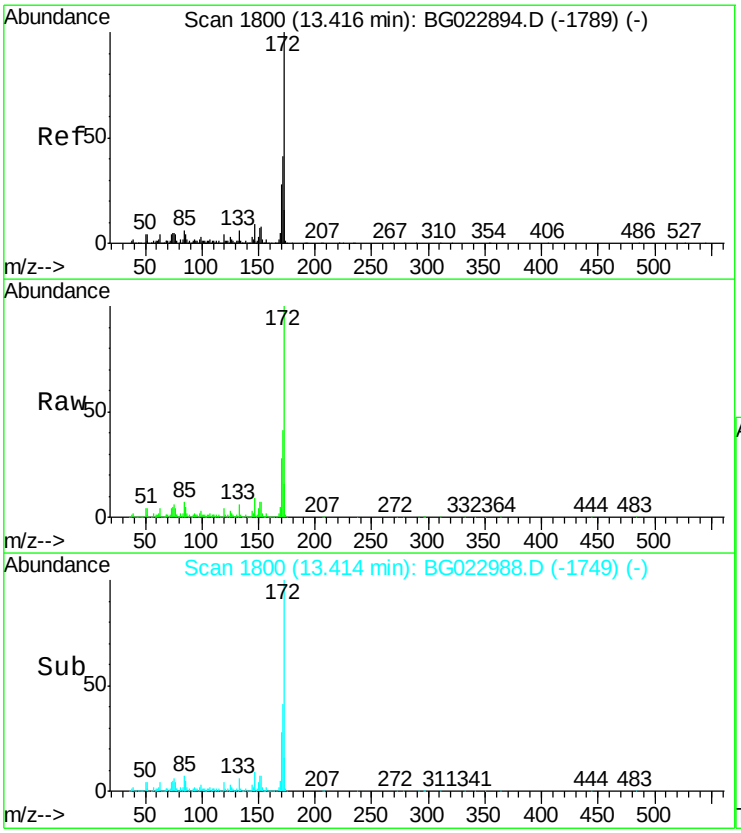
#41
2,4,6-Tribromophenol
Concen: 136.17 ng
RT: 16.29 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:330 Resp: 867014

Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.4	116.2
141	37.3	31.7	47.5

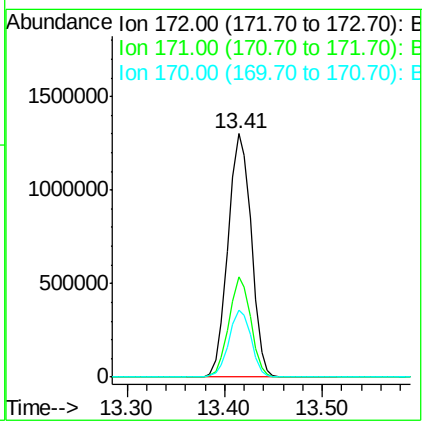


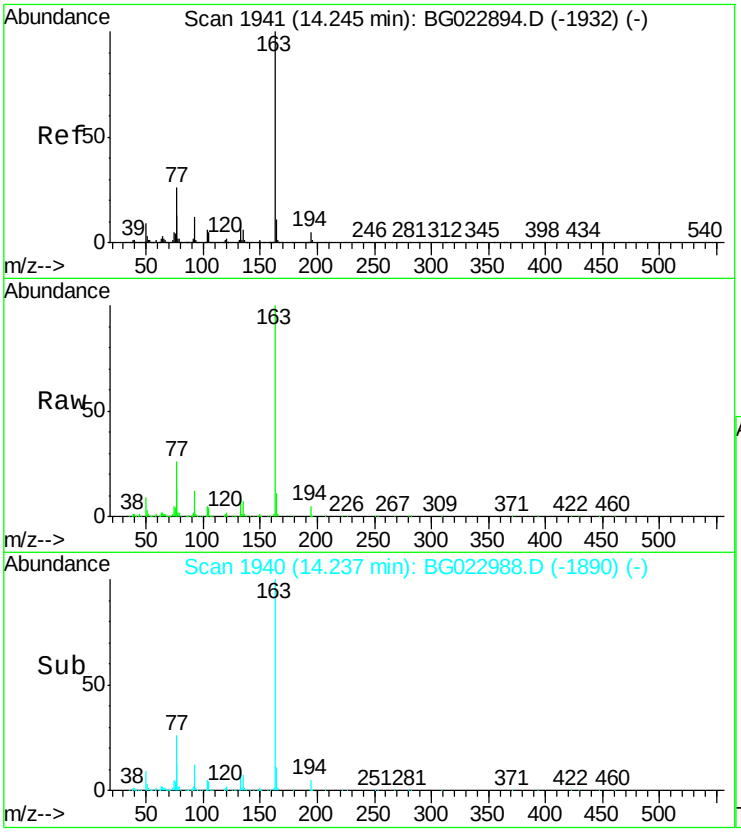


#44
2-Fluorobiphenyl
Concen: 95.45 ng
RT: 13.41 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:172 Resp: 2146914

Ion	Ratio	Lower	Upper
172	100		
171	41.0	31.6	47.4
170	27.6	21.3	31.9



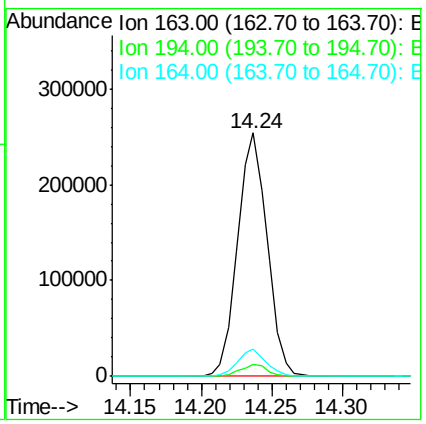


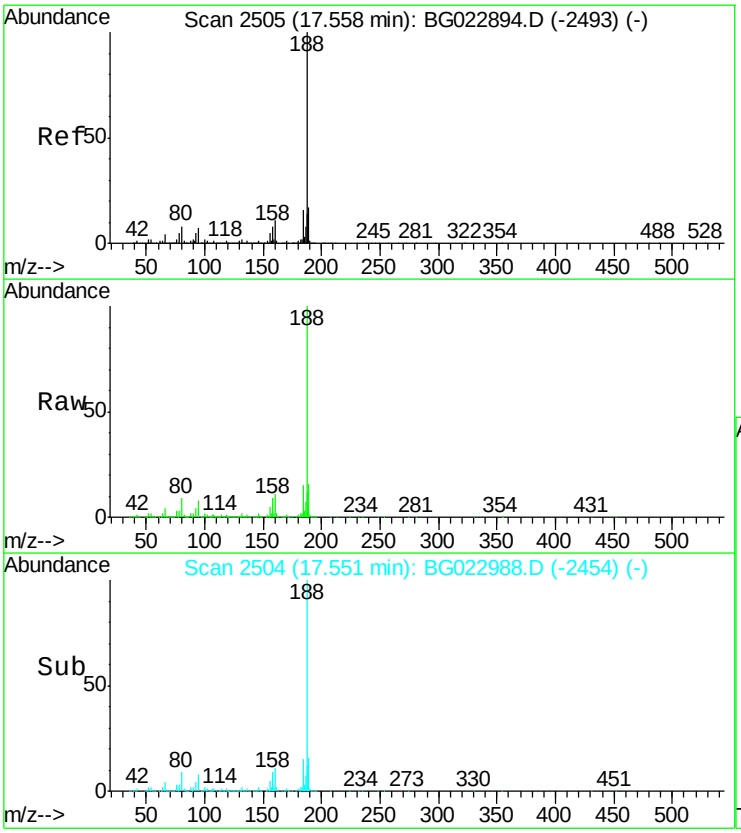
#49
Dimethylphthalate
Concen: 12.85 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:163 Resp: 372006

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.6	5.4
164	11.2	8.1	12.1

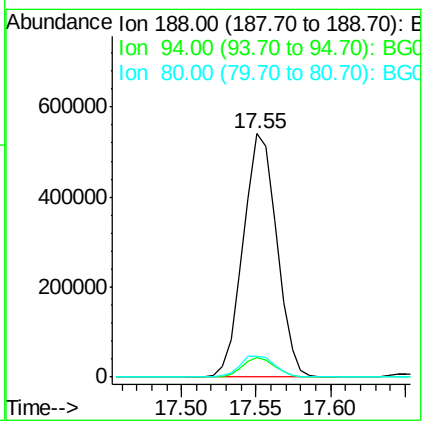


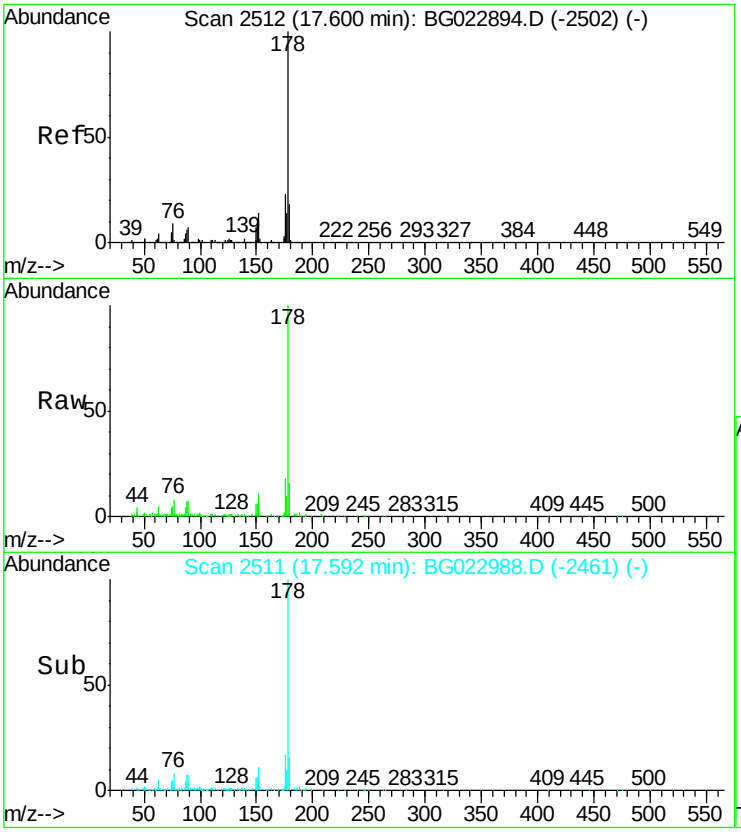


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:188 Resp: 839717

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.2	7.8#
80	8.5	7.2	10.8



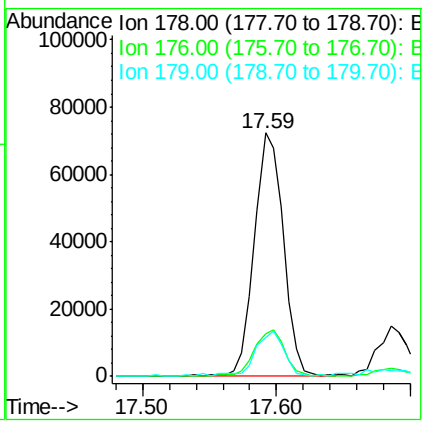


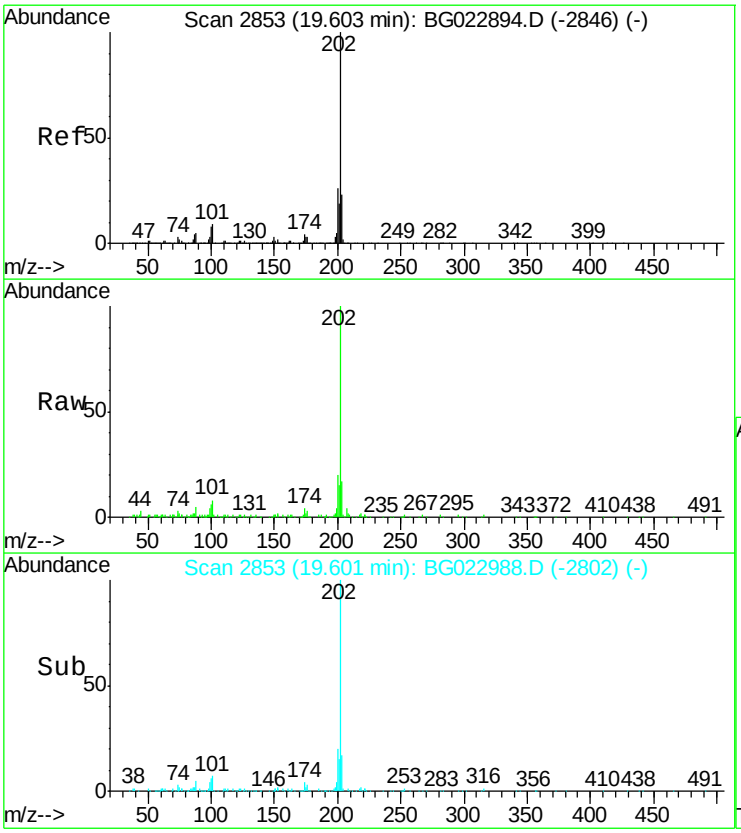
#70
Phenanthrene
Concen: 2.64 ng
RT: 17.59 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:178 Resp: 108495

Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.8	25.2
179	15.8	14.3	21.5

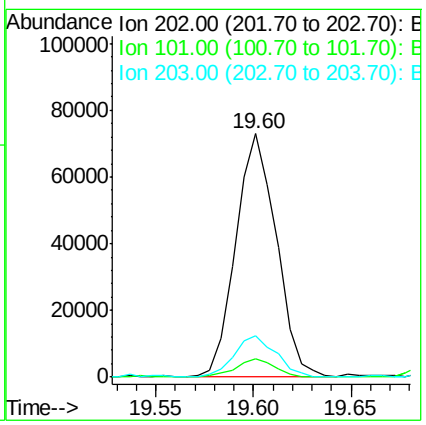


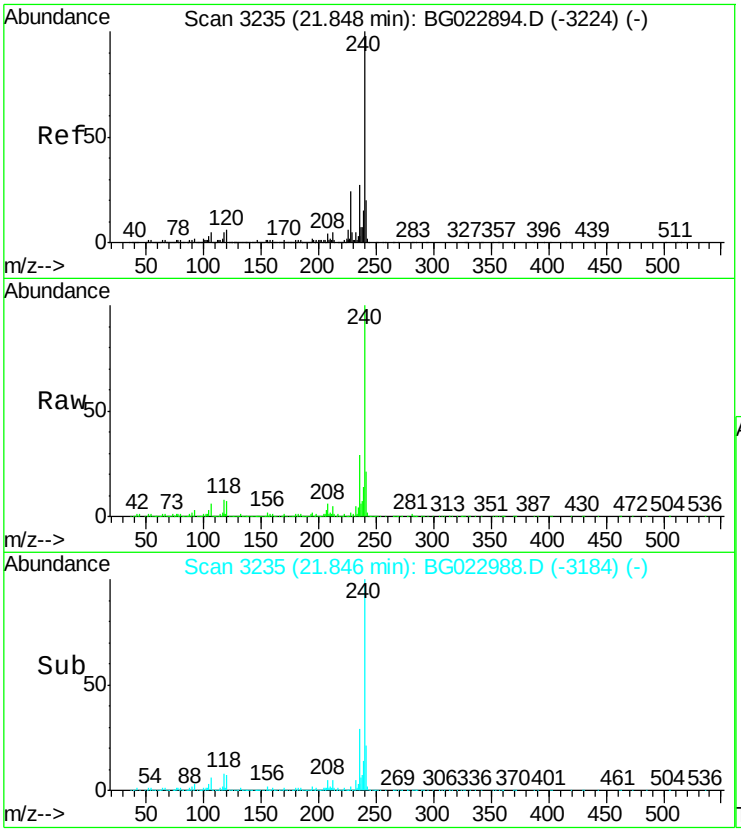


#74
Fluoranthene
Concen: 2.08 ng
RT: 19.60 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:202 Resp: 104843

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.4
203	17.1	1.7	41.7



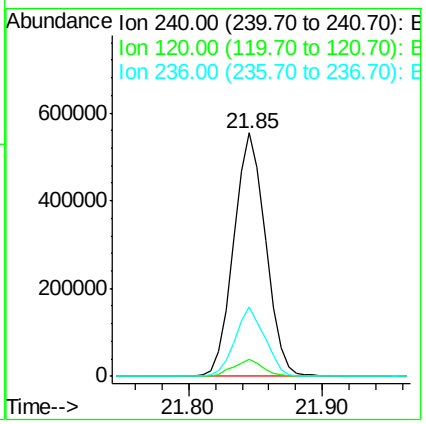


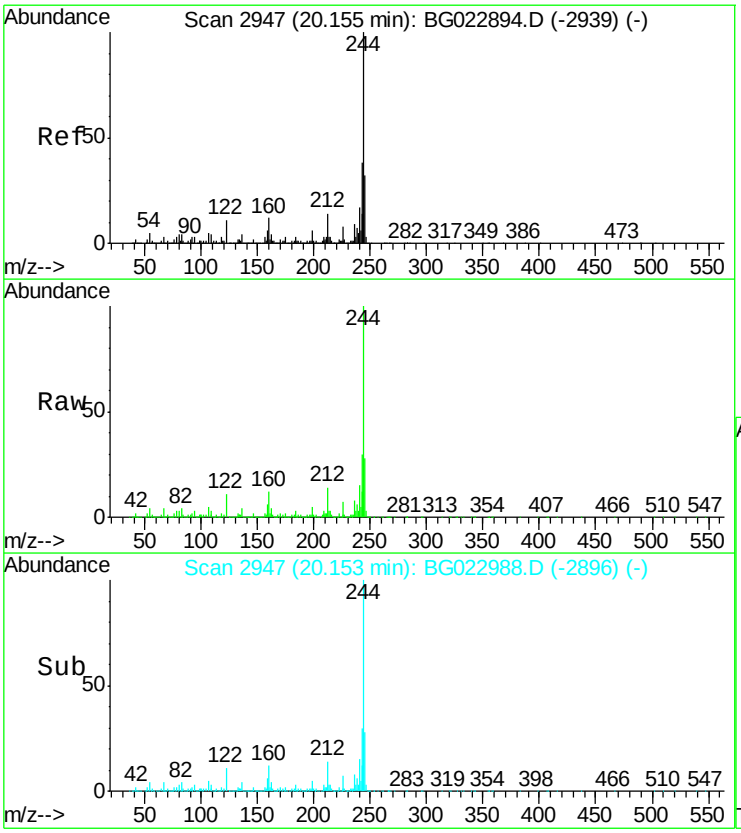
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:240 Resp: 915681

Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.1	6.1#
236	28.6	21.1	31.7

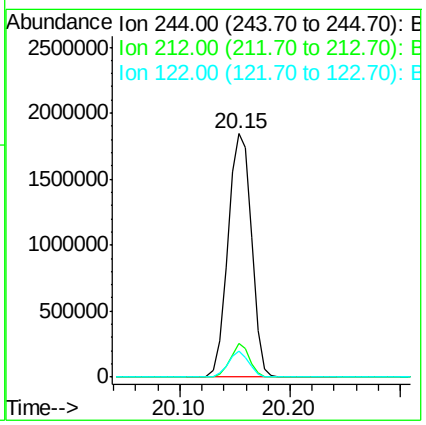


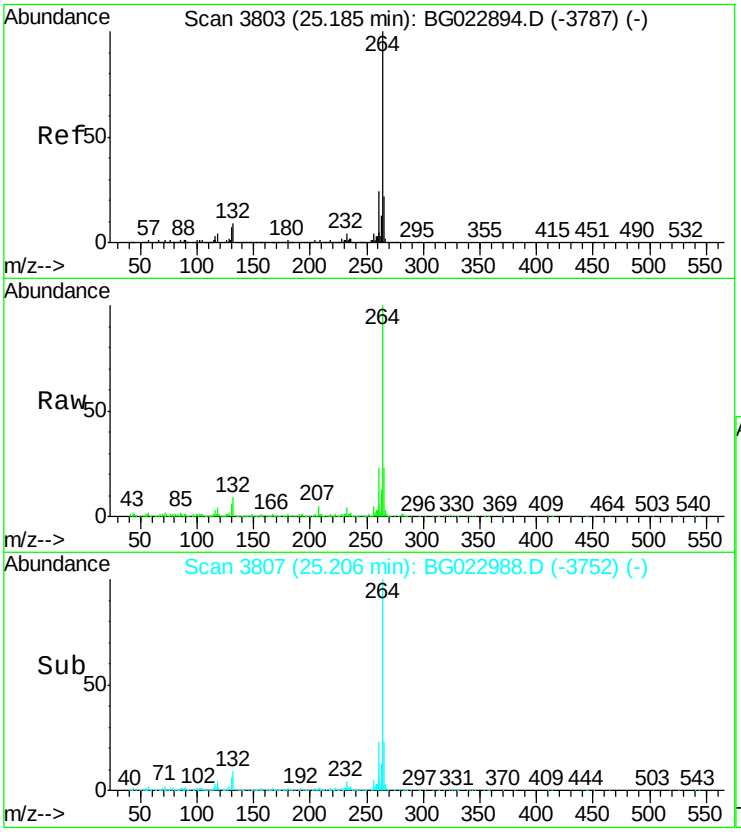


#78
Terphenyl-d14
Concen: 103.54 ng
RT: 20.15 min Scan# 2947
Delta R.T. -0.00 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Tgt Ion:244 Resp: 2750894

Ion	Ratio	Lower	Upper
244	100		
212	13.6	10.8	16.2
122	10.5	8.0	12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3807
Delta R.T. 0.02 min
Lab File: BG022988.D
Acq: 10 Jul 2016 6:49

Instrument :
BNA_G
ClientSampleId :
N8-B1(5-12)C

Tgt Ion:264 Resp: 922832

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	23.0	18.9	28.3