Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020998.D
Acq On : 20 Feb 2016 8:03
Operator : SJ/UM
Sample : H1520-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 40052+15(0-2)

Quant Time: Feb 21 23:31:18 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	19174	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	97907	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	65609	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	139395	20.00	ng	-0.01
75) Chrysene-d12	21.88	240	133251	20.00	ng	-0.02
86) Perylene-d12	25.25	264	125641	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	151889	133.40	ng	0.00
7) Phenol-d6	7.41	99	235165	141.31	ng	0.00
23) Nitrobenzene-d5	9.43	82	126631	85.04	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	91188	141.33	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	335506	71.83	ng	-0.01
78) Terphenyl-d14	20.18	244	412418	72.20	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	11.13	128	59308	11.71	ng	98
49) Dimethylphthalate	14.31	163	72358	14.10	ng	100
70) Phenanthrene	17.65	178	29935	3.77	ng	99
72) Carbazole	18.01	167	45320	6.27	ng	97

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

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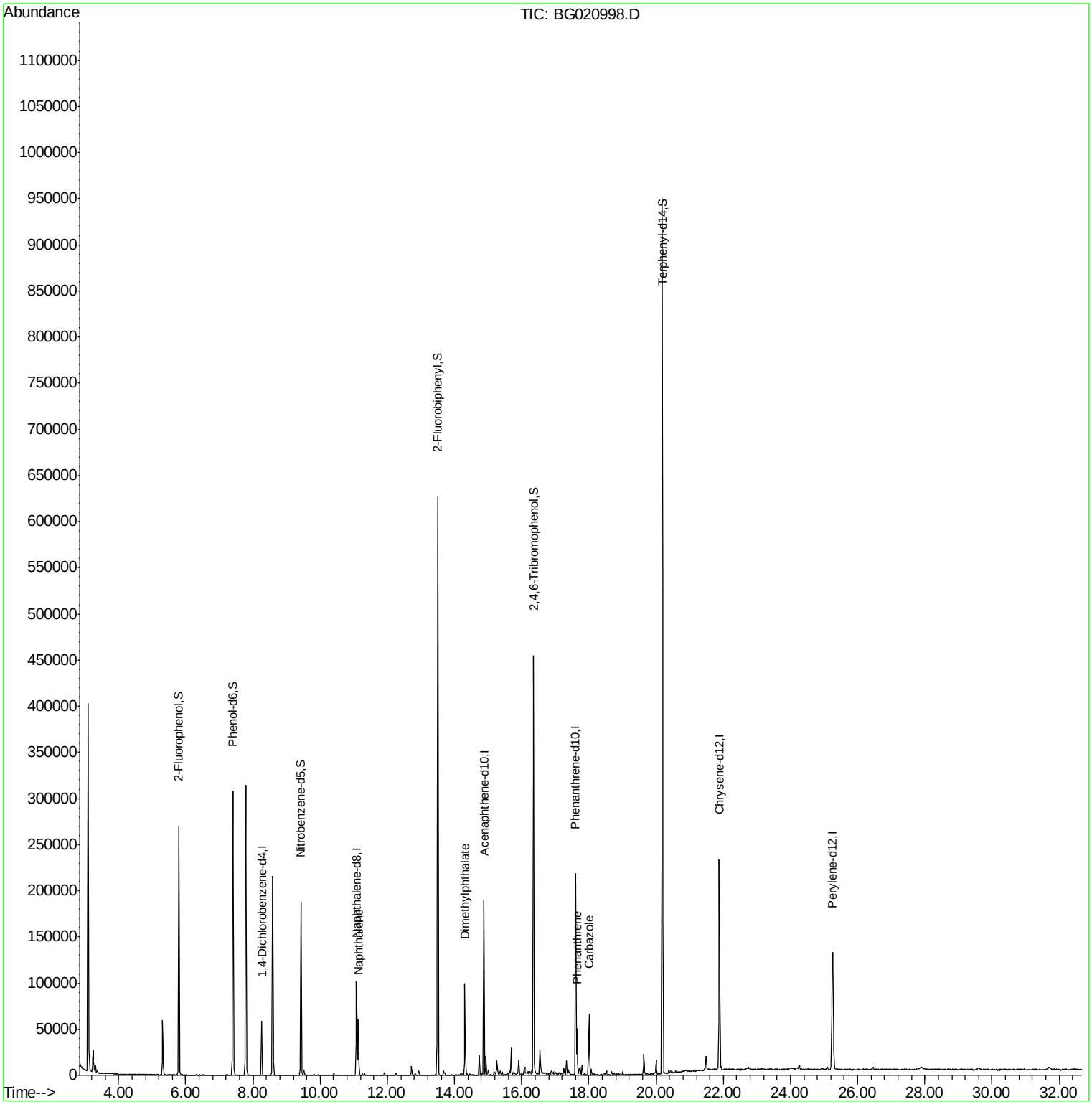
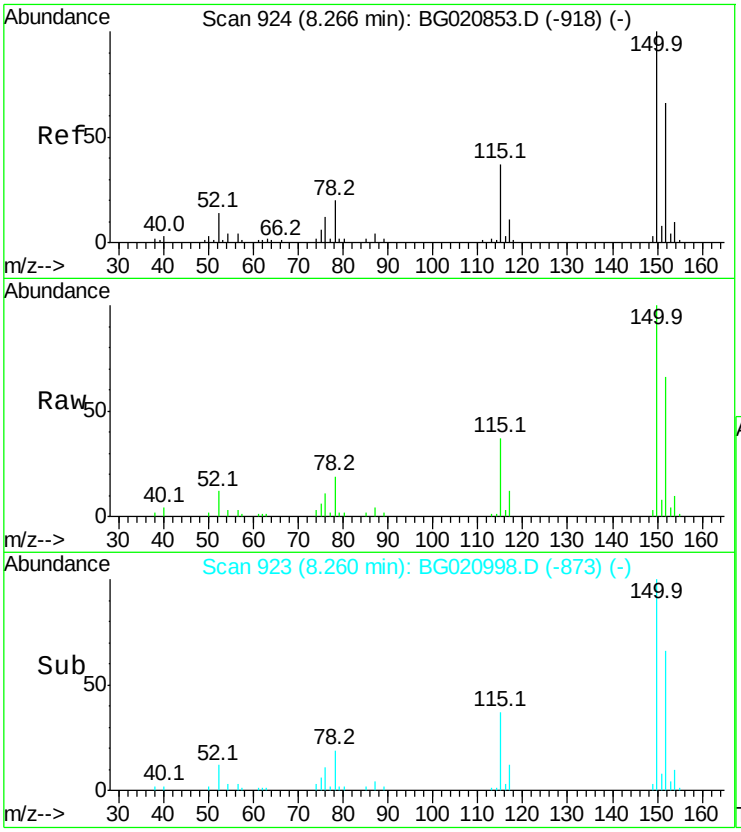


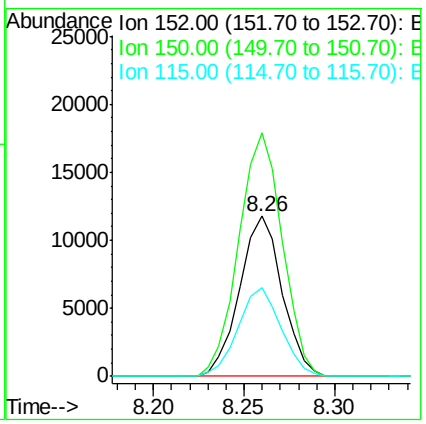


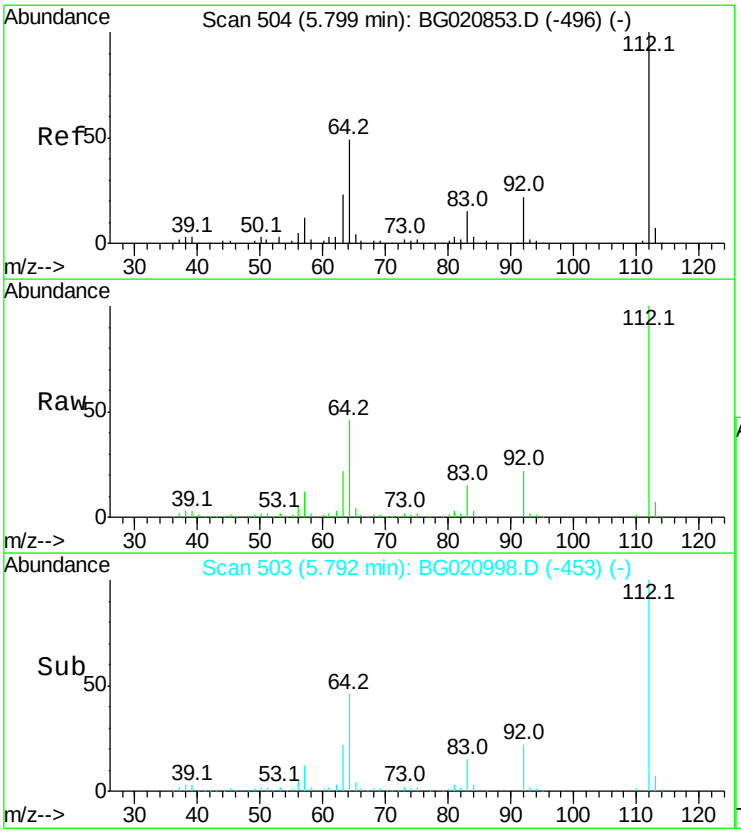
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:152 Resp: 19174

Ion	Ratio	Lower	Upper
152	100		
150	151.9	122.0	183.0
115	55.5	45.2	67.8

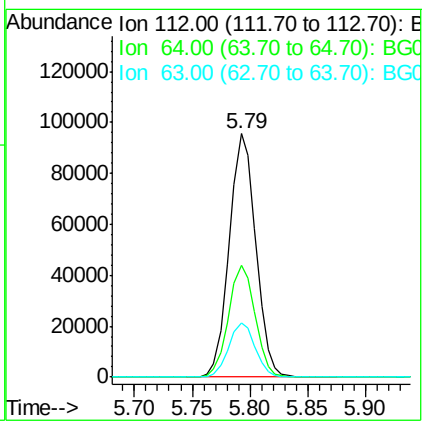


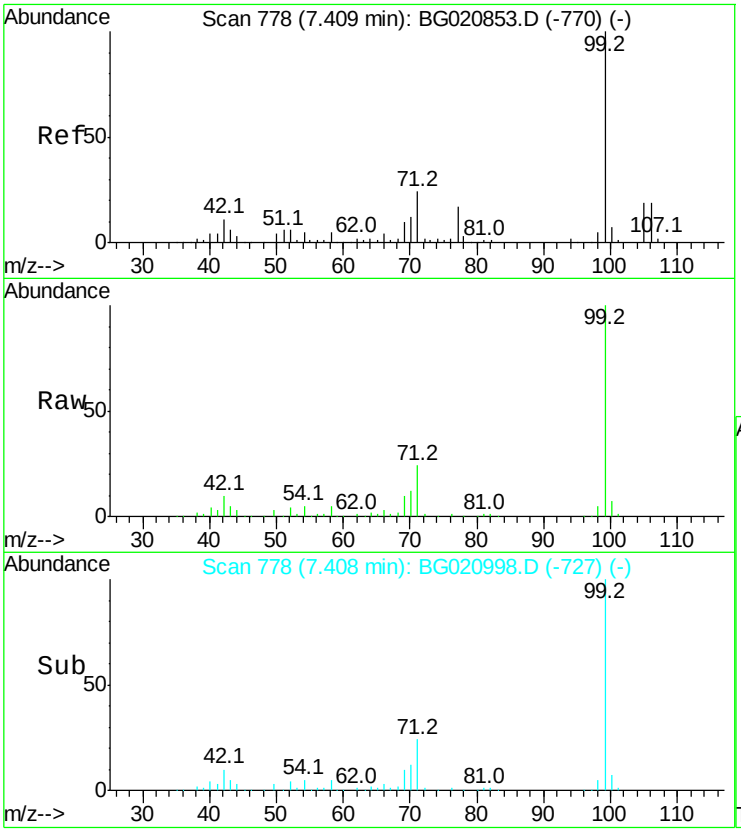


#5
2-Fluorophenol
Concen: 133.40 ng
RT: 5.79 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:112 Resp: 151889

Ion	Ratio	Lower	Upper
112	100		
64	46.2	39.3	58.9
63	22.2	18.2	27.4



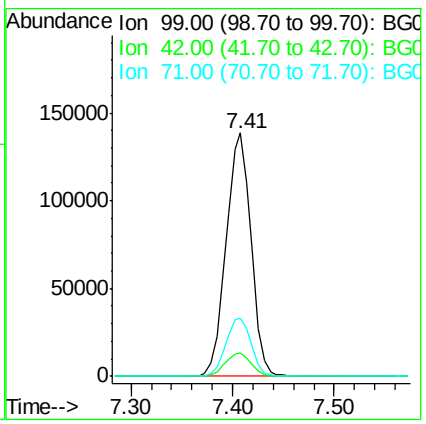


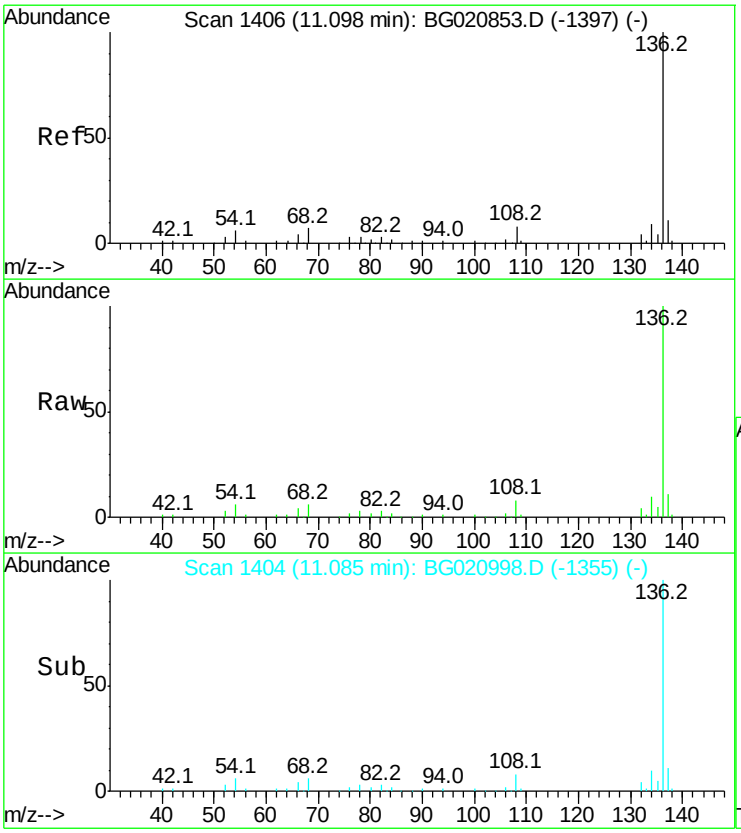
#7
Phenol-d6
Concen: 141.31 ng
RT: 7.41 min Scan# 778
Delta R.T. -0.00 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion: 99 Resp: 235165

Ion	Ratio	Lower	Upper
99	100		
42	9.8	8.4	12.6
71	23.9	19.4	29.0

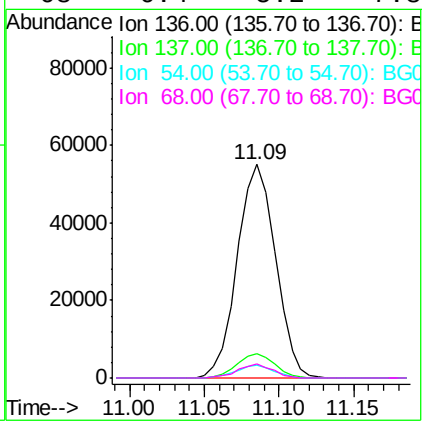


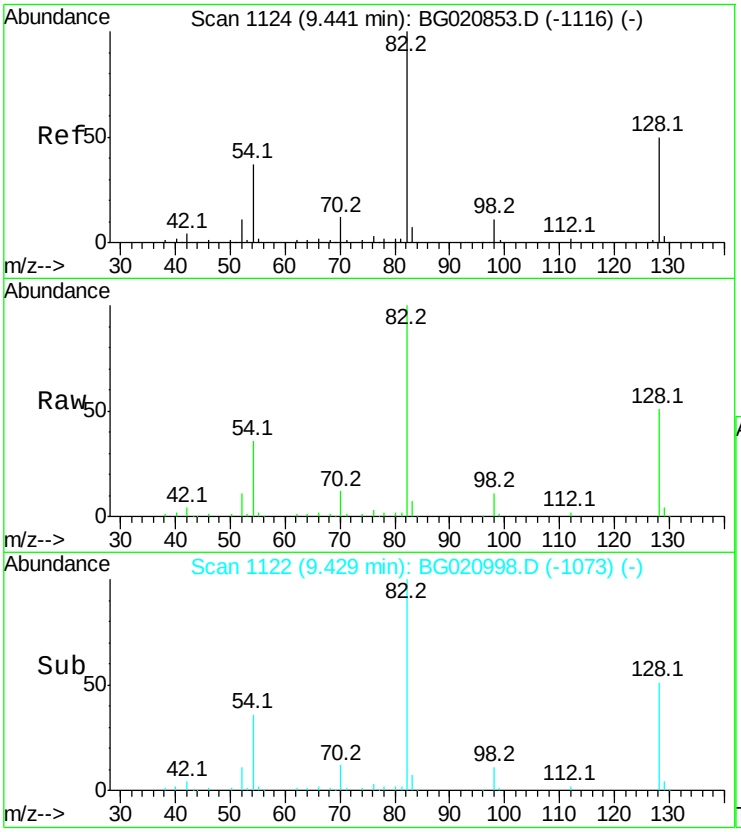


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:136 Resp: 97907

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.0	5.0	7.4
68	6.4	5.2	7.8



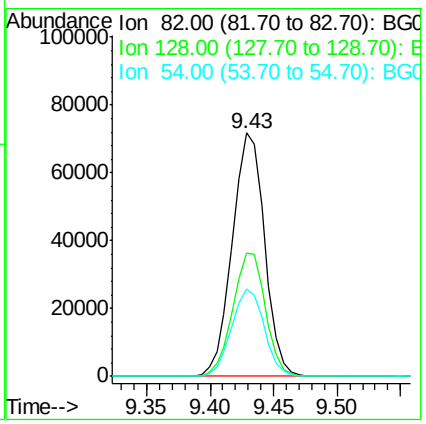


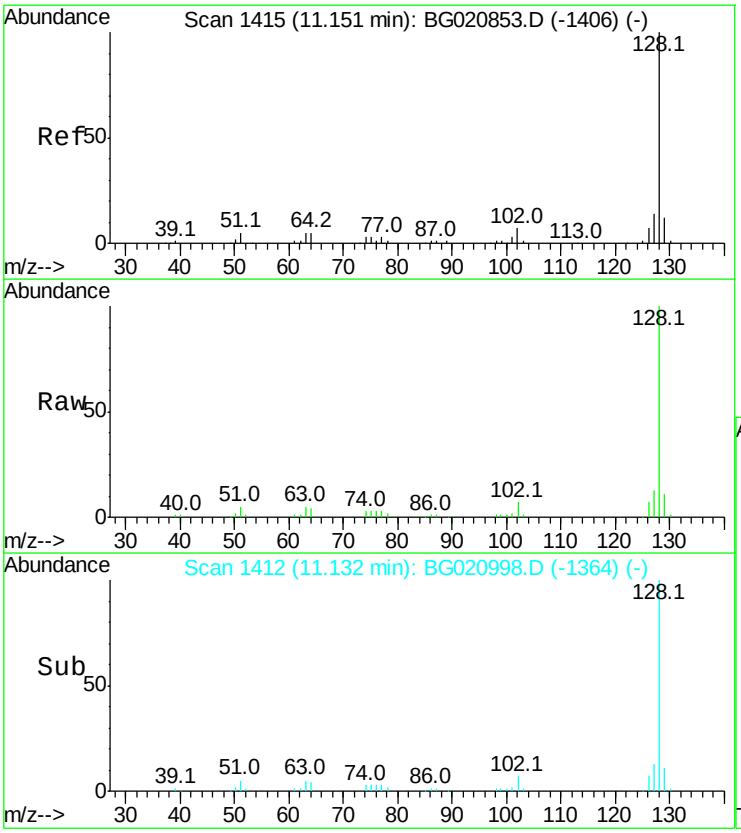
#23
Nitrobenzene-d5
Concen: 85.04 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion: 82 Resp: 126631

Ion	Ratio	Lower	Upper
82	100		
128	50.7	40.1	60.1
54	36.1	29.5	44.3

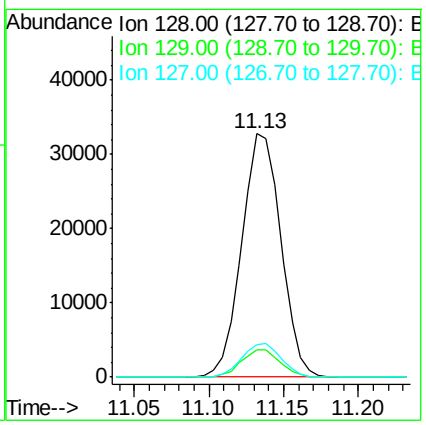


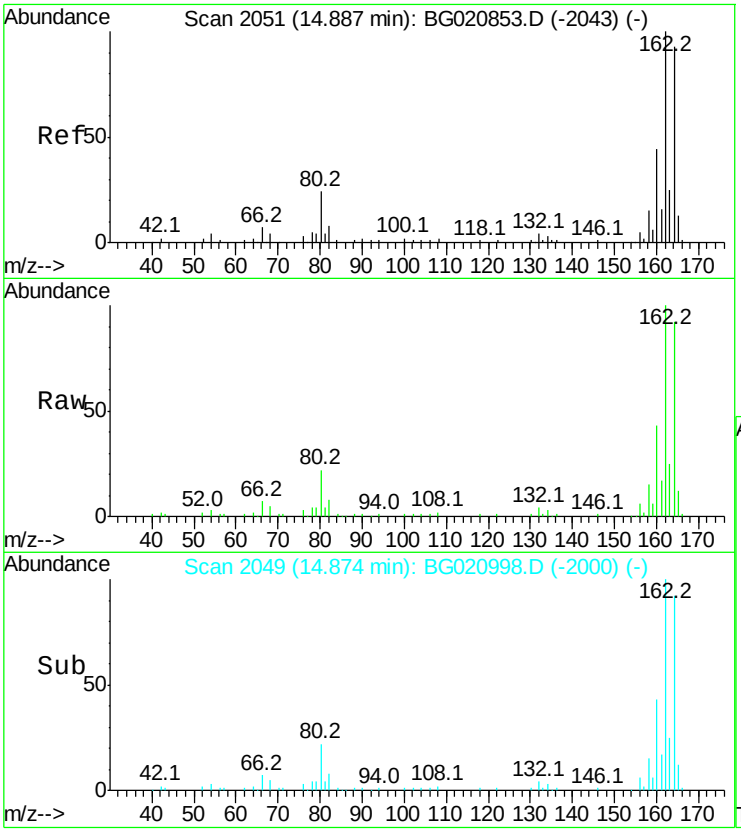


#31
Naphthalene
Concen: 11.71 ng
RT: 11.13 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:128 Resp: 59308

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.4	11.4	17.2



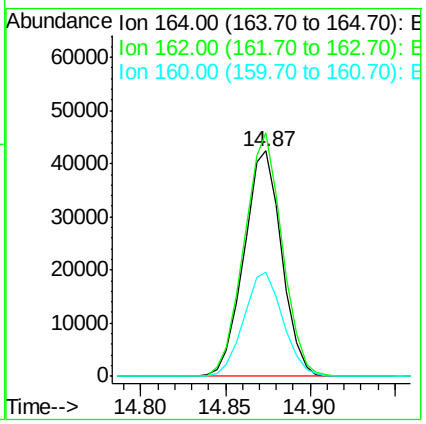


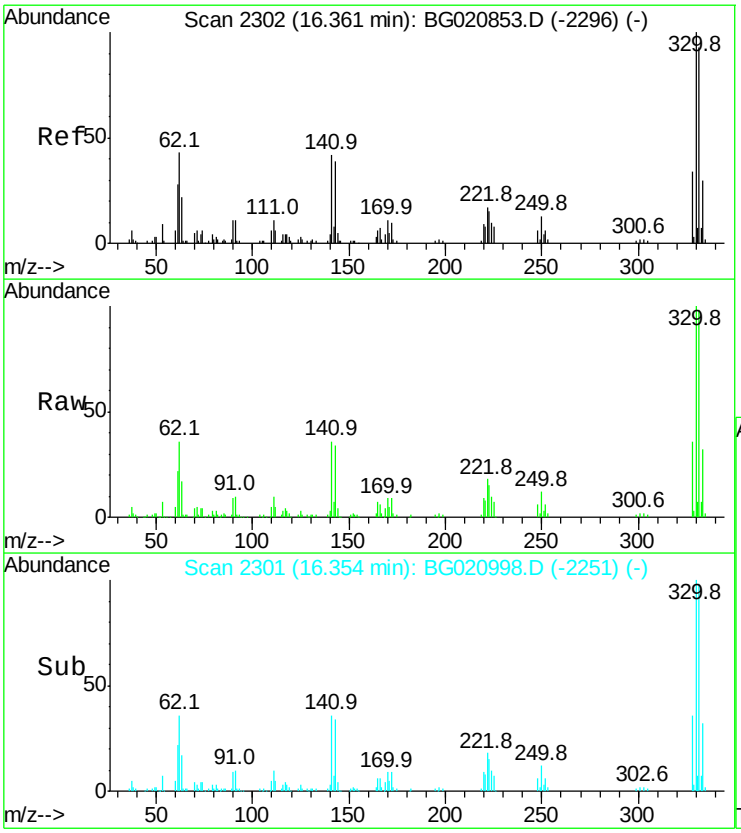
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:164 Resp: 65609

Ion	Ratio	Lower	Upper
164	100		
162	108.2	85.7	128.5
160	46.5	37.4	56.0

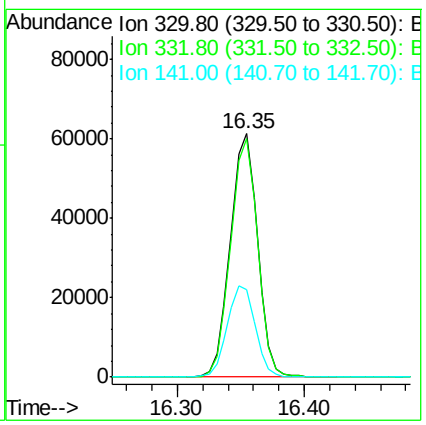


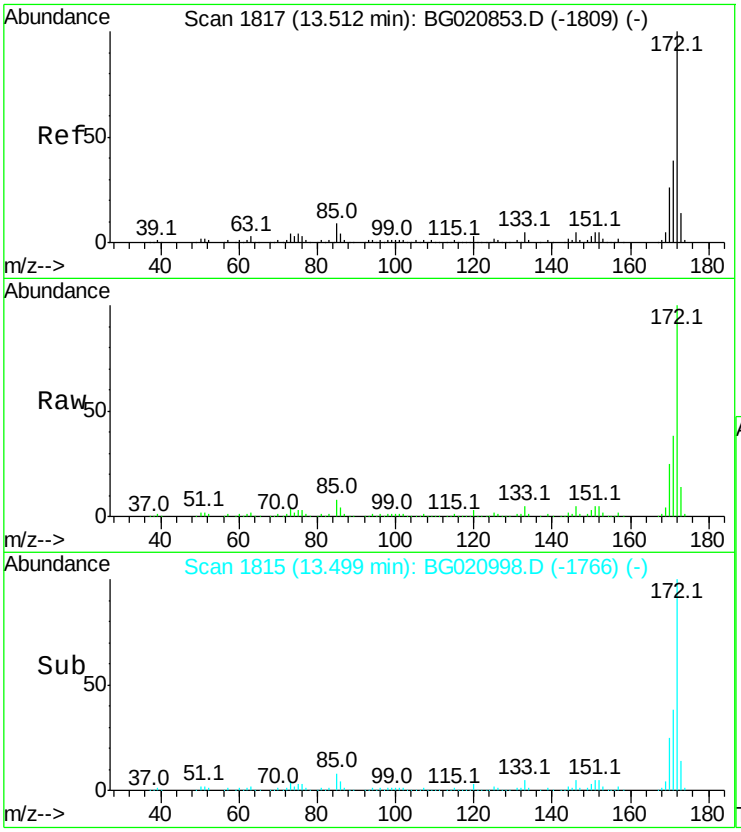


#41
2,4,6-Tribromophenol
Concen: 141.33 ng
RT: 16.35 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:330 Resp: 91188

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.1	114.1
141	38.2	32.0	48.0



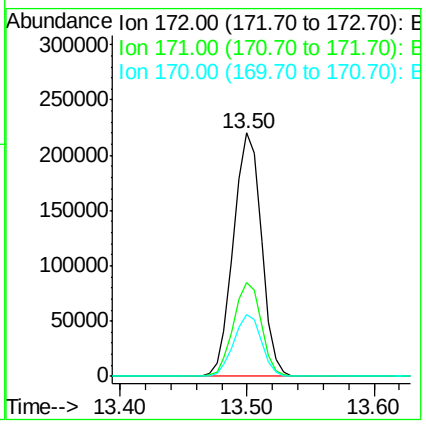


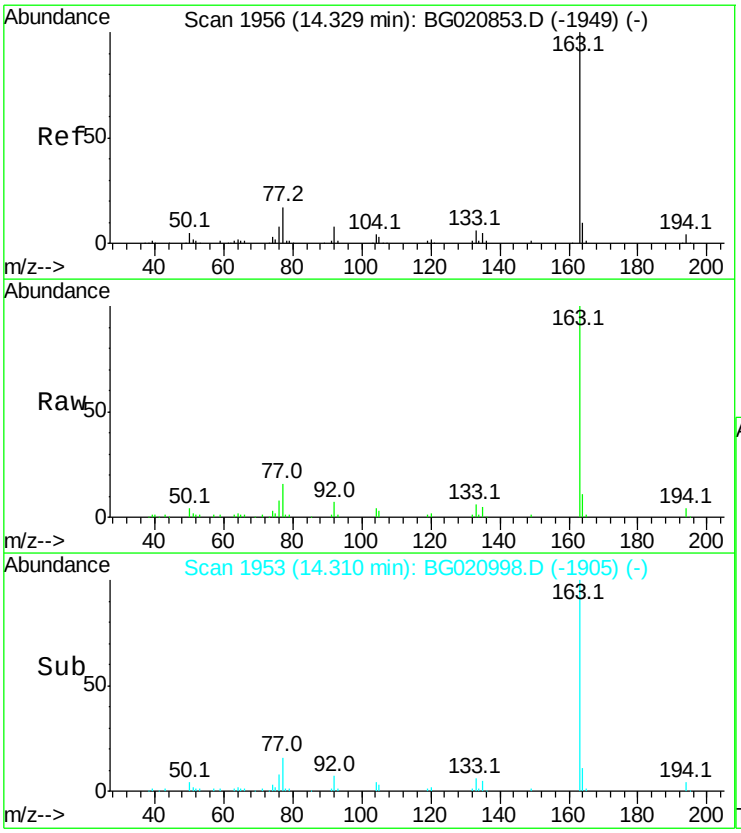
#44
2-Fluorobiphenyl
Concen: 71.83 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:172 Resp: 335506

Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.2	46.8
170	25.3	20.6	30.8

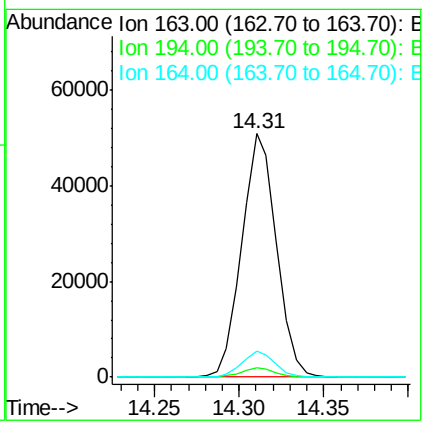


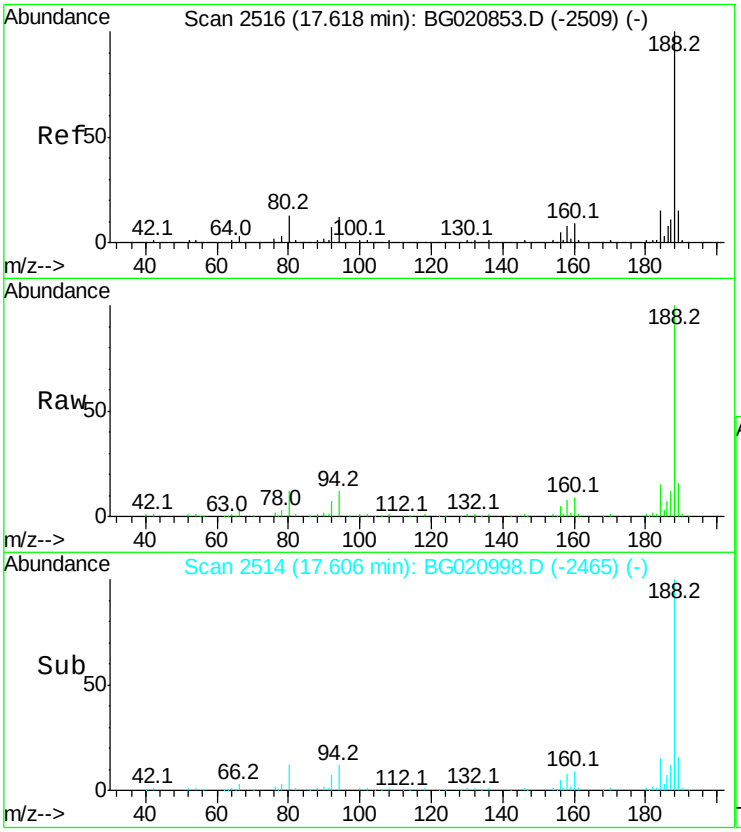


#49
Dimethylphthalate
Concen: 14.10 ng
RT: 14.31 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:163 Resp: 72358

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.5	8.3	12.5



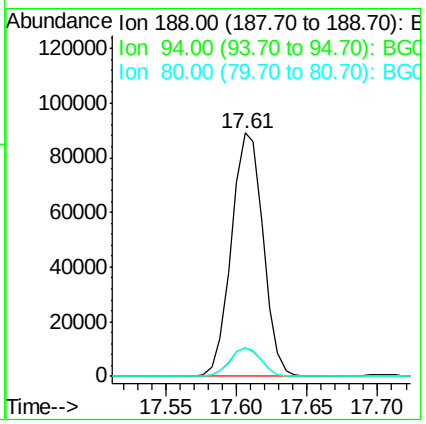


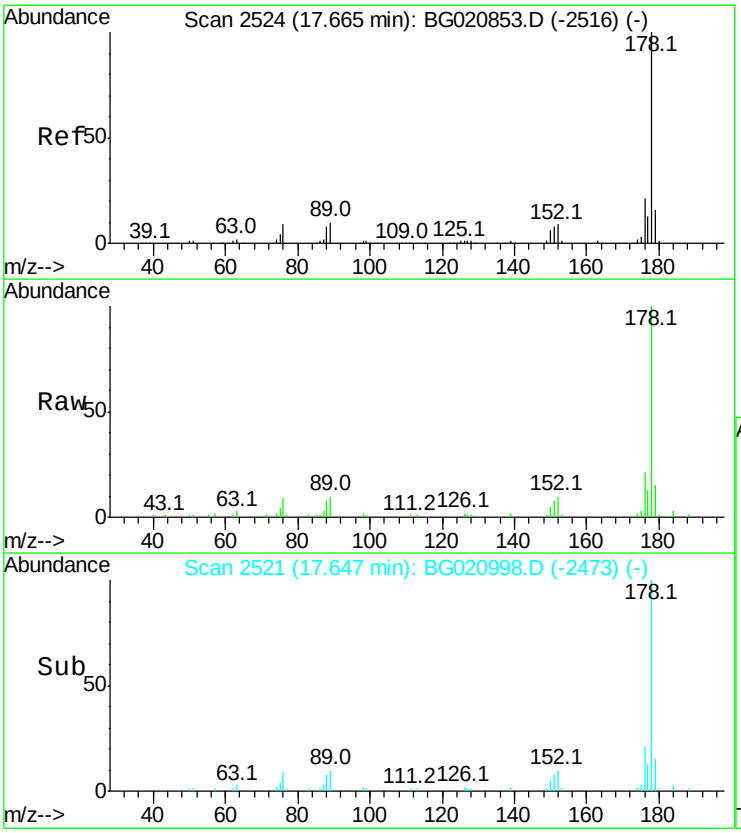
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:188 Resp: 139395

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.0
80	11.9	10.2	15.4

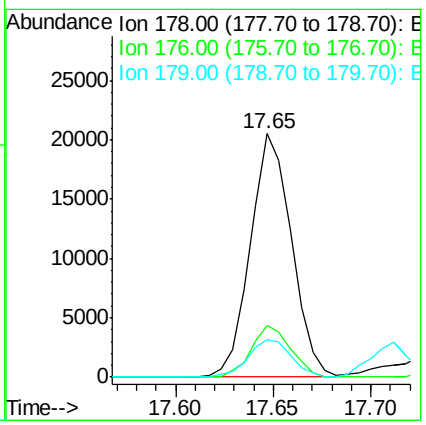


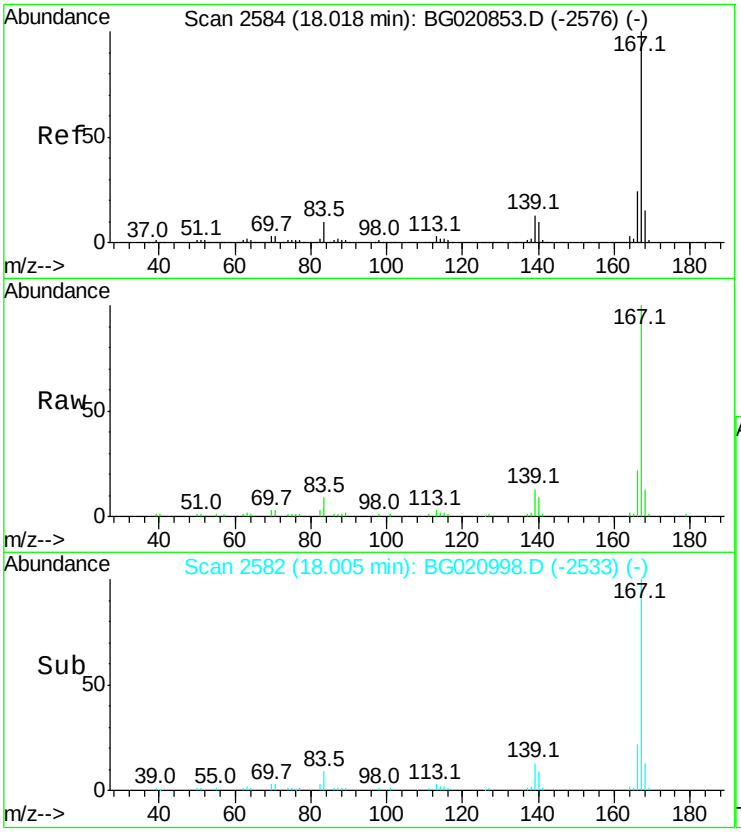


#70
Phenanthrene
Concen: 3.77 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:178 Resp: 29935

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.8	25.2
179	15.3	12.6	19.0



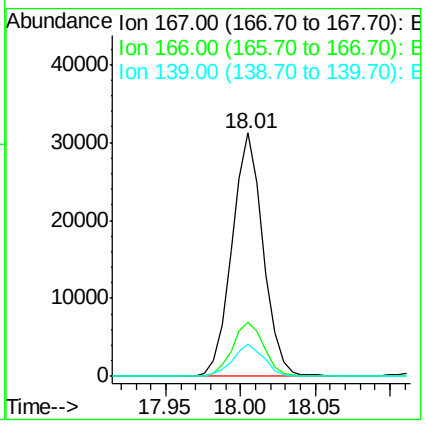


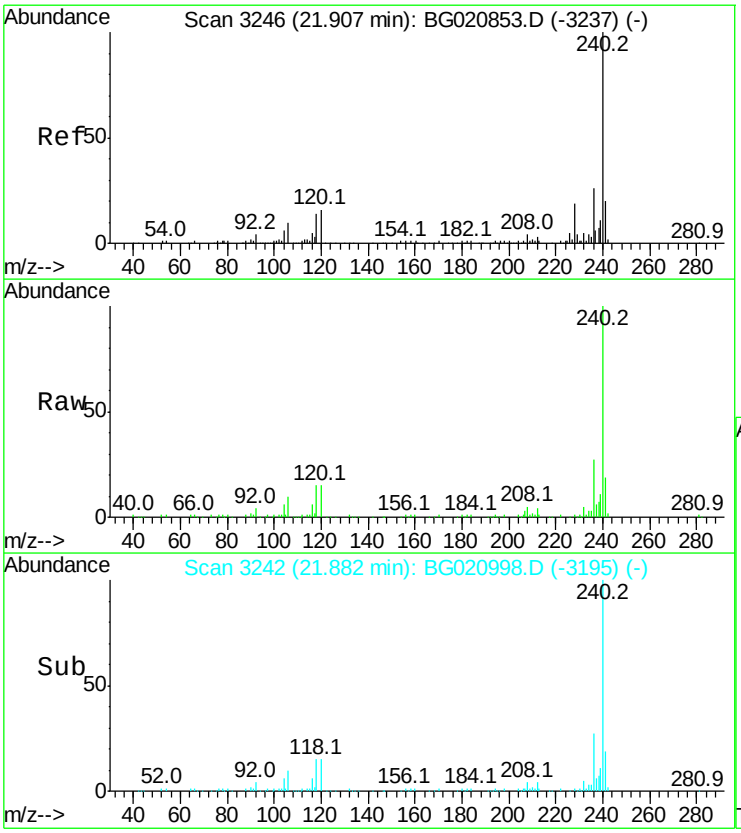
#72
Carbazole
Concen: 6.27 ng
RT: 18.01 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:167 Resp: 45320

Ion	Ratio	Lower	Upper
167	100		
166	22.4	19.3	28.9
139	13.3	10.2	15.4

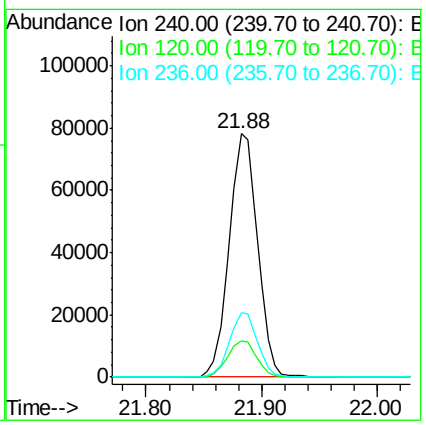


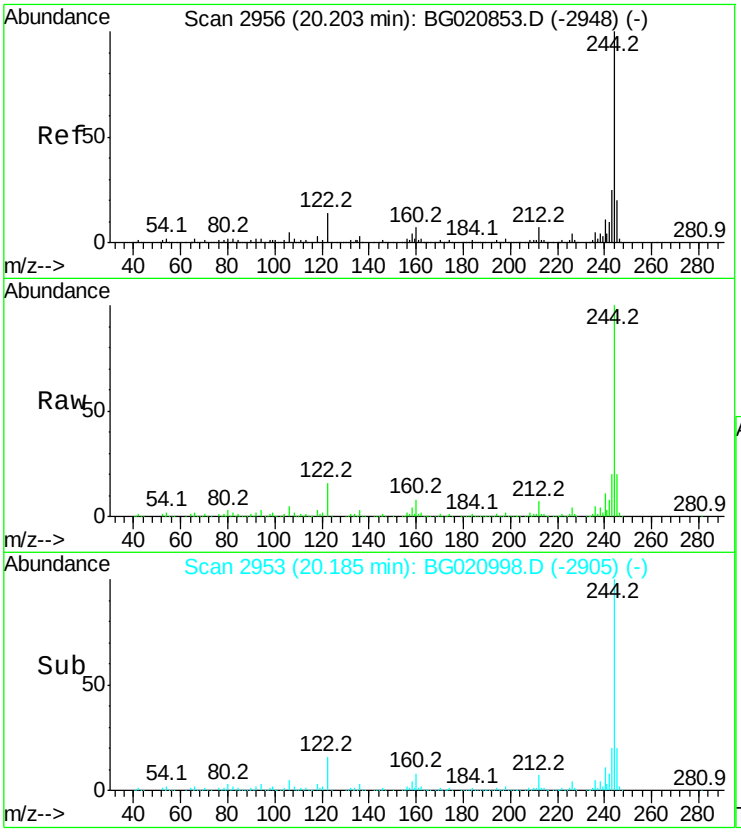


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.88 min Scan# 3242
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:240 Resp: 133251

Ion	Ratio	Lower	Upper
240	100		
120	14.8	13.0	19.4
236	26.7	21.0	31.4



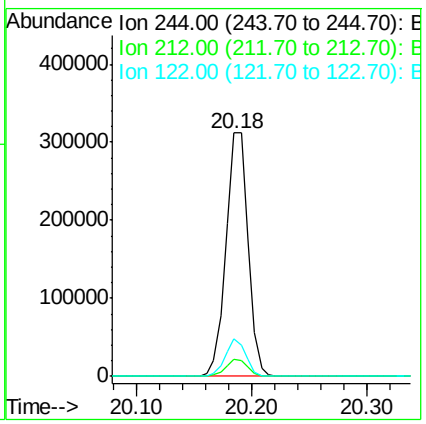


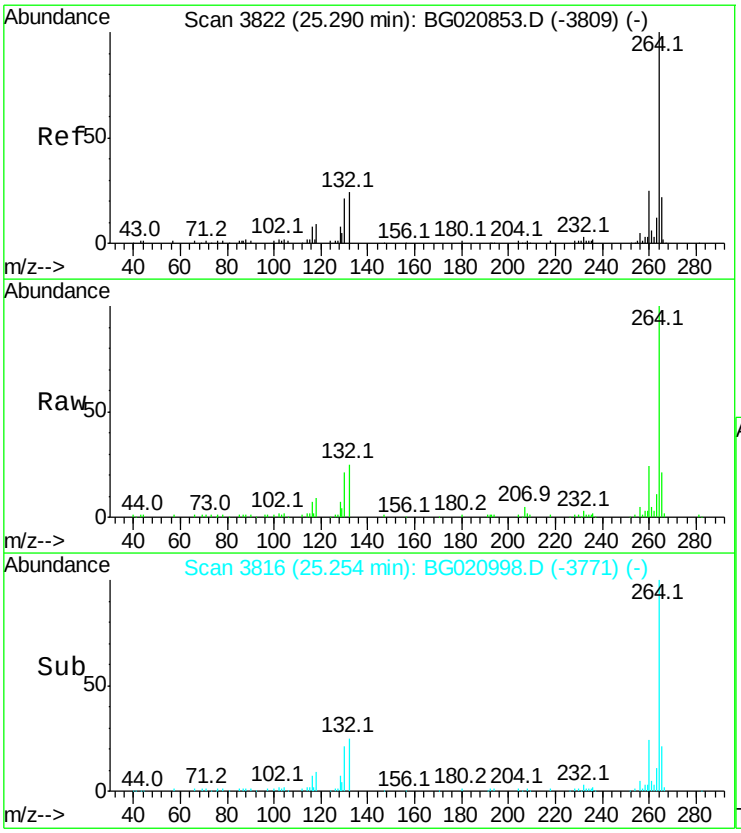
#78
Terphenyl-d14
Concen: 72.20 ng
RT: 20.18 min Scan# 2953
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tgt Ion:244 Resp: 412418

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	15.6	11.4	17.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.25 min Scan# 3816
Delta R.T. -0.04 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion:264 Resp: 125641

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.9	29.9
265	21.1	18.0	27.0