Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016737.D
Acq On : 27 Apr 2015 15:28
Operator : TP/IZ
Sample : G1970-02DL2 25X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 1052-CHAMBERLAND-BOTTOMDL2

Quant Time: Apr 27 16:24:05 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 19:19:11 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	58184	20.00	ng		-0.02
21) Naphthalene-d8	10.37	136	252449	20.00	ng		-0.02
38) Acenaphthene-d10	14.24	164	151771	20.00	ng		-0.01
63) Phenanthrene-d10	16.98	188	282298	20.00	ng		-0.01
75) Chrysene-d12	21.17	240	258061	20.00	ng		-0.02
86) Perylene-d12	23.37	264	249591	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.18	112	13664	3.81	ng		-0.01
7) Phenol-d6	6.78	99	20031	3.98	ng		-0.02
23) Nitrobenzene-d5	8.74	82	14609	3.66	ng		-0.02
41) 2,4,6-Tribromophenol	15.74	330	4071	3.62	ng		-0.01
44) 2-Fluorobiphenyl	12.85	172	30081	3.18	ng		-0.02
78) Terphenyl-d14	19.62	244	34093	3.04	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	10.42	128	125751	9.45	ng	#	96
37) 2-Methylnaphthalene	12.04	142	525543	54.67	ng		98
45) 1,1'-Biphenyl	13.06	154	83634	7.02	ng		96
51) Acenaphthene	14.30	154	32492	3.37	ng		94
57) Fluorene	15.29	166	77041	6.49	ng	#	90
70) Phenanthrene	17.03	178	282852	17.44	ng		97
77) Pyrene	19.41	202	71599	3.95	ng		95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
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Acq On : 27 Apr 2015 15:28
Operator : TP/IZ
Sample : G1970-02DL2 25X
Misc :
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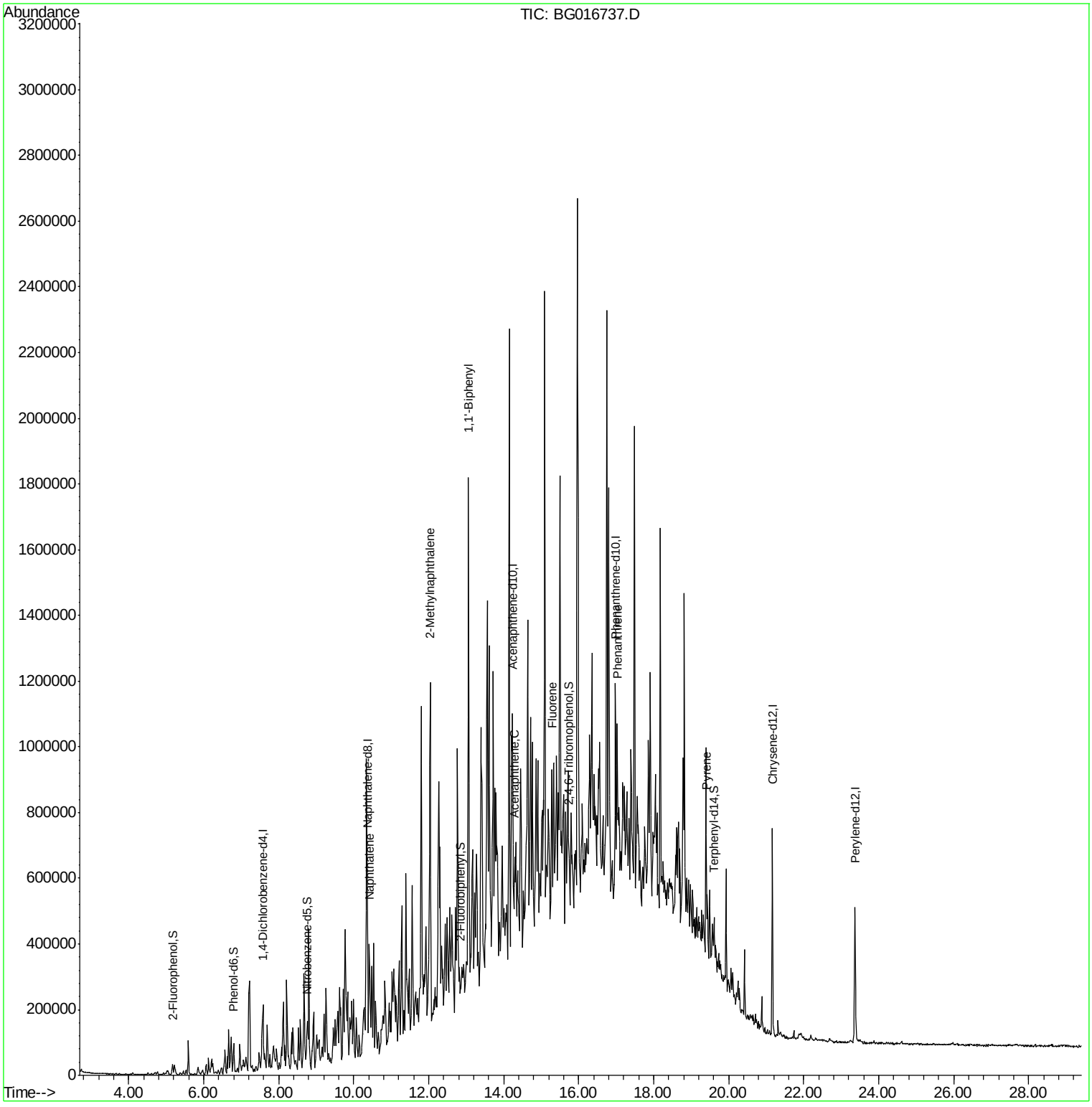
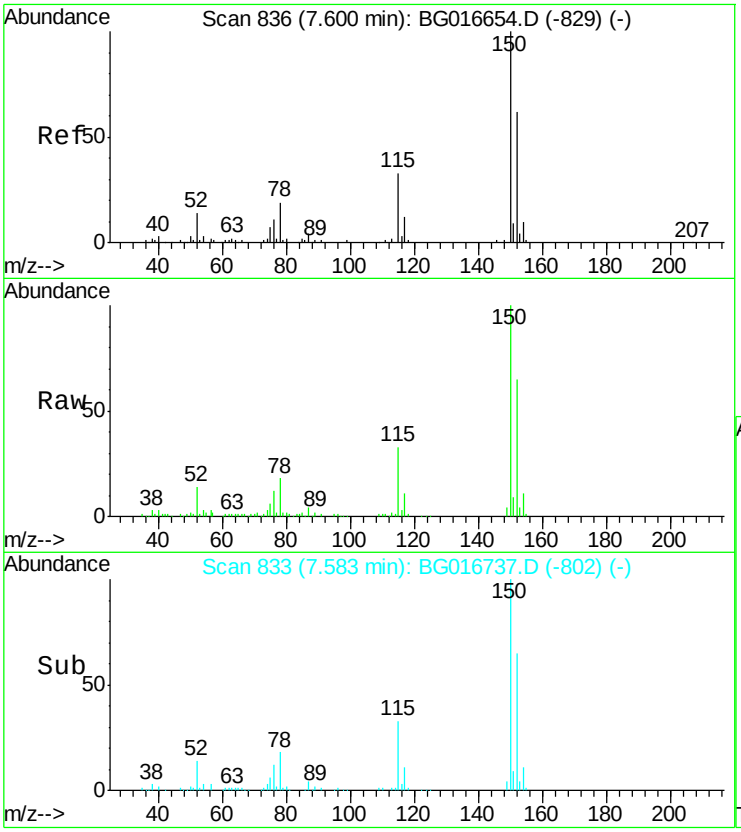
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Quant Time: Apr 27 16:24:05 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 19:19:11 2015
Response via : Initial Calibration



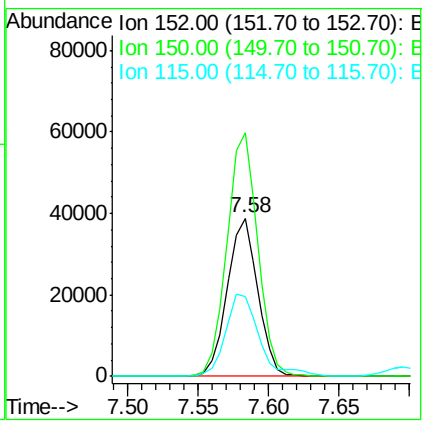


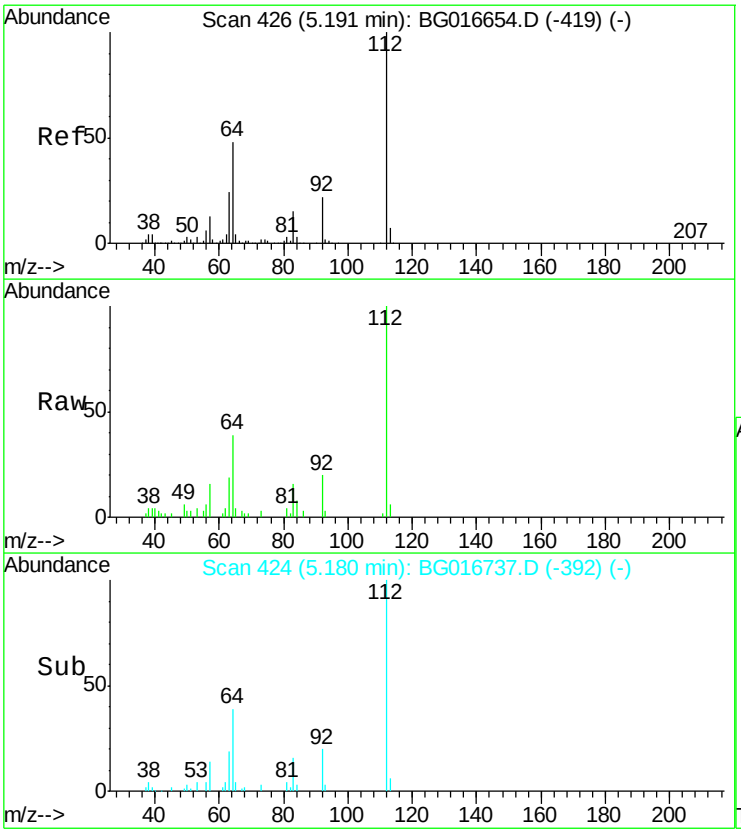
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.58 min Scan# 833
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:152 Resp: 58184

Ion	Ratio	Lower	Upper
152	100		
150	154.2	129.6	194.4
115	50.4	43.0	64.6

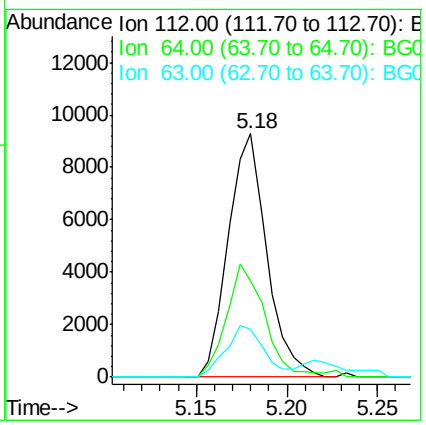


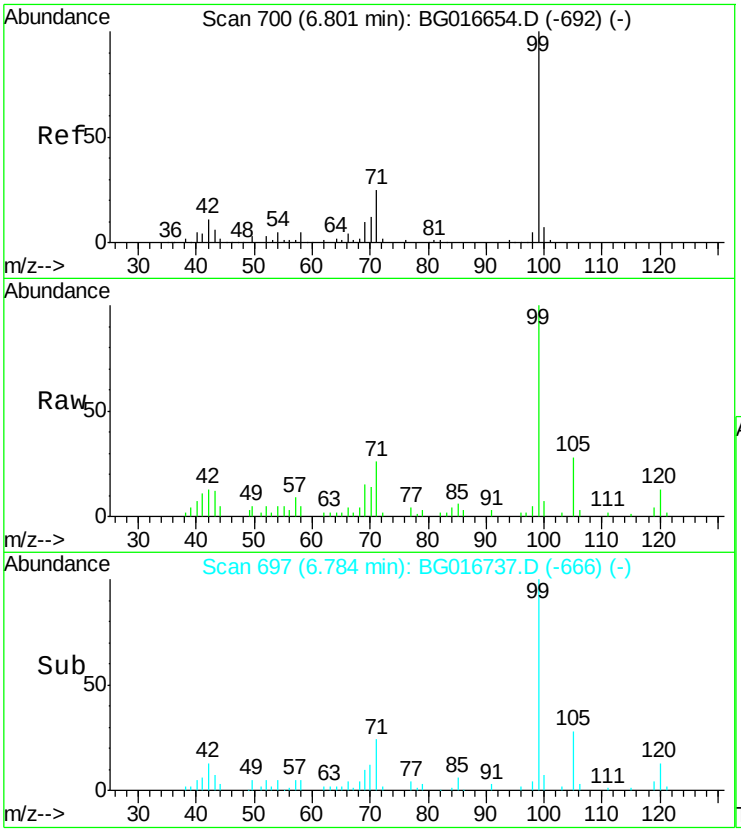


#5
2-Fluorophenol
Concen: 3.81 ng
RT: 5.18 min Scan# 424
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:112 Resp: 13664

Ion	Ratio	Lower	Upper
112	100		
64	39.4	38.3	57.5
63	19.5	18.9	28.3



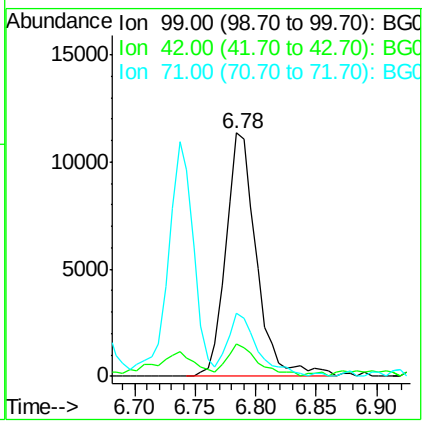


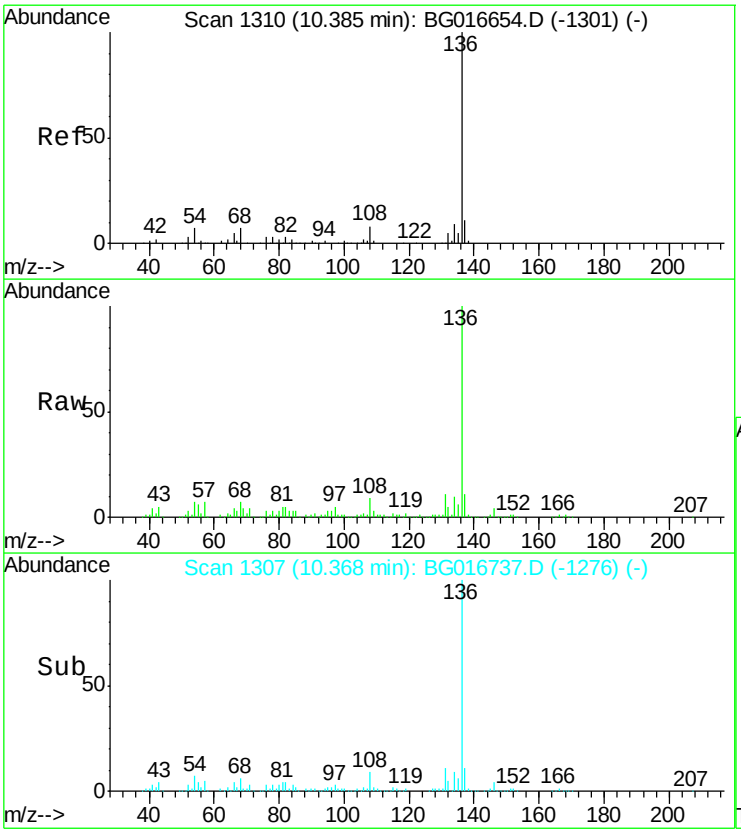
#7
Phenol-d6
Concen: 3.98 ng
RT: 6.78 min Scan# 697
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion: 99 Resp: 20031

Ion	Ratio	Lower	Upper
99	100		
42	13.1	8.8	13.2
71	26.0	19.9	29.9

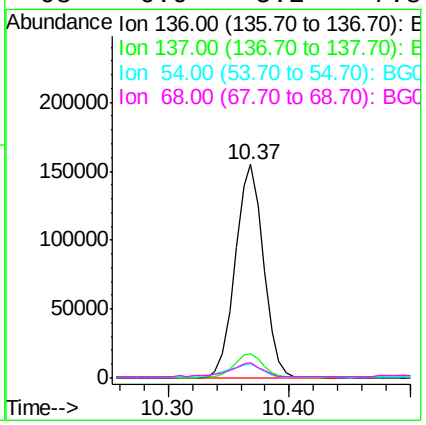


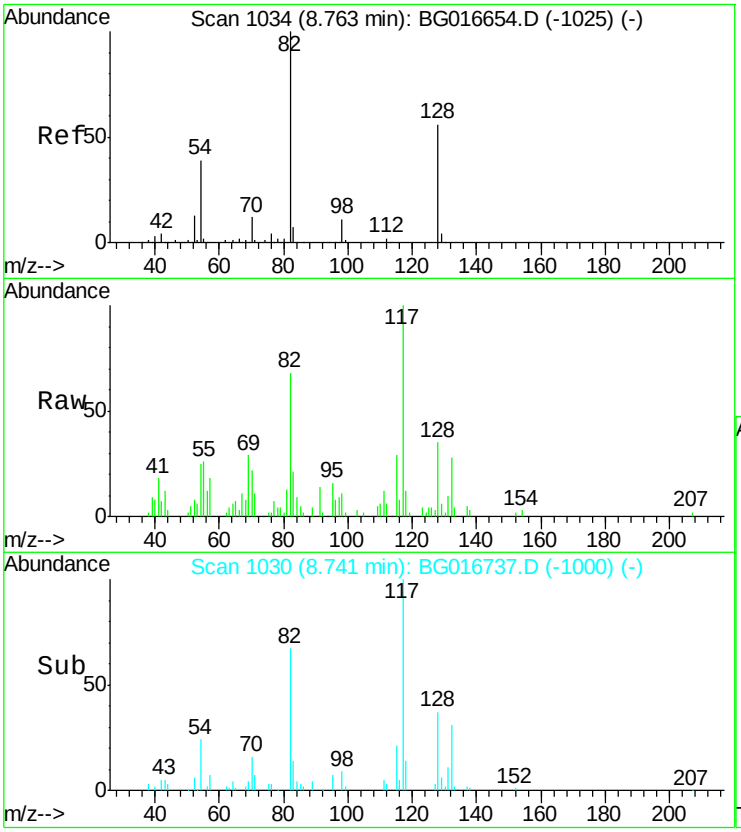


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.37 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:136 Resp: 252449

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	6.8	5.4	8.2
68	6.9	5.2	7.8



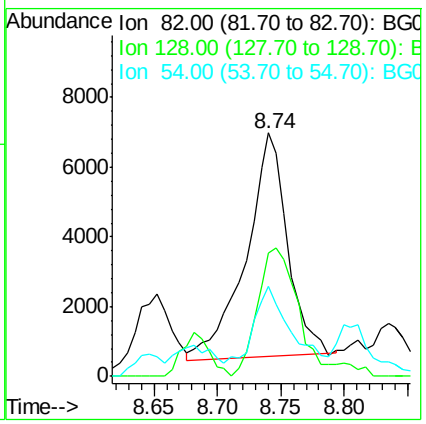


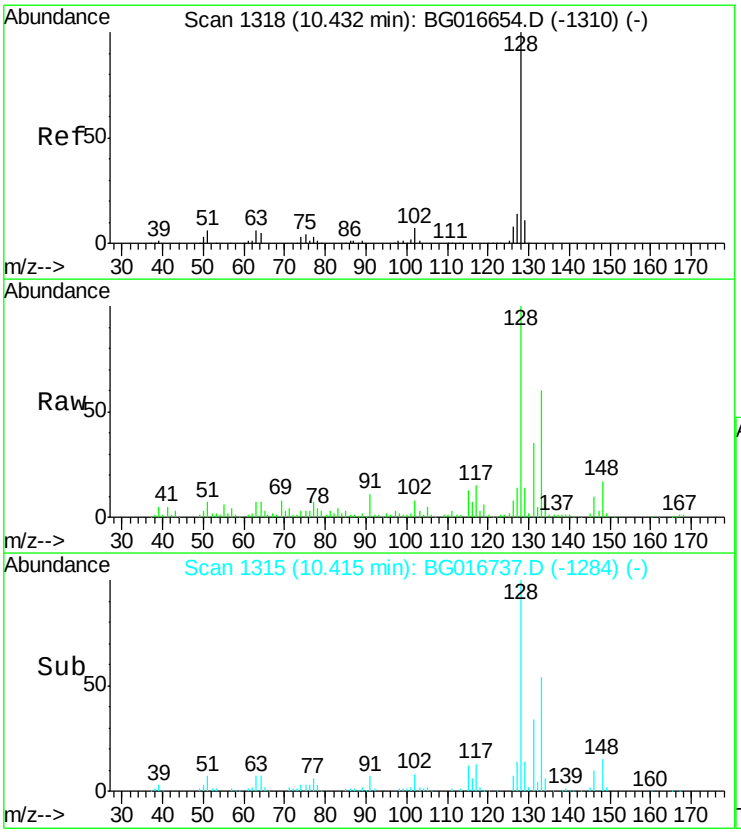
#23
Nitrobenzene-d5
Concen: 3.66 ng
RT: 8.74 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion: 82 Resp: 14609

Ion	Ratio	Lower	Upper
82	100		
128	50.6	44.7	67.1
54	36.9	30.9	46.3

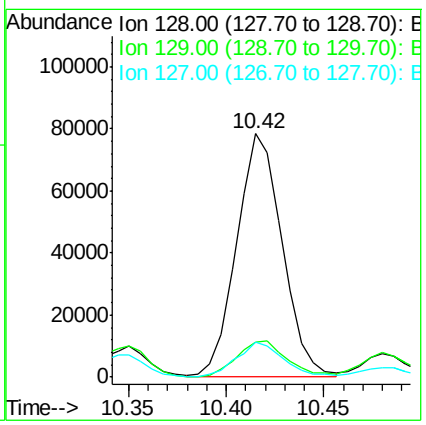


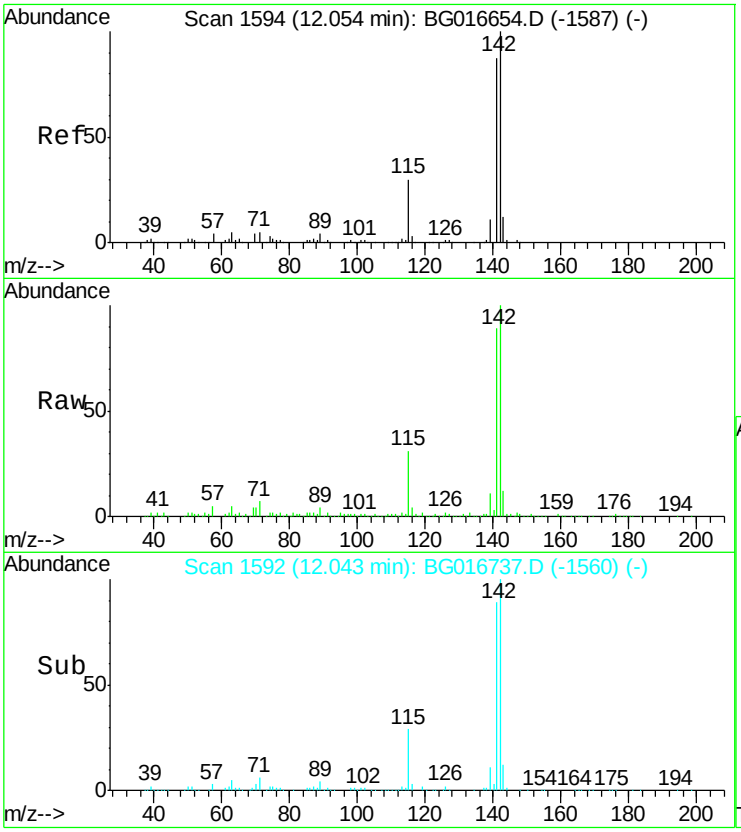


#31
Naphthalene
Concen: 9.45 ng
RT: 10.42 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:128 Resp: 125751

Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.0	13.6#
127	14.3	11.1	16.7



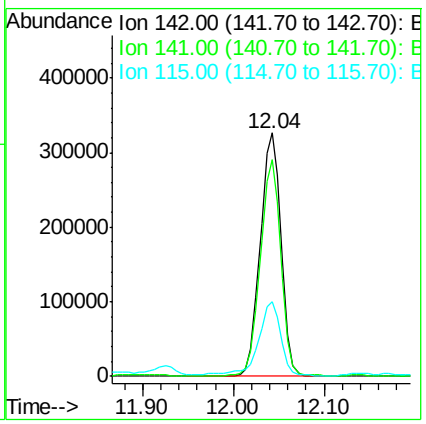


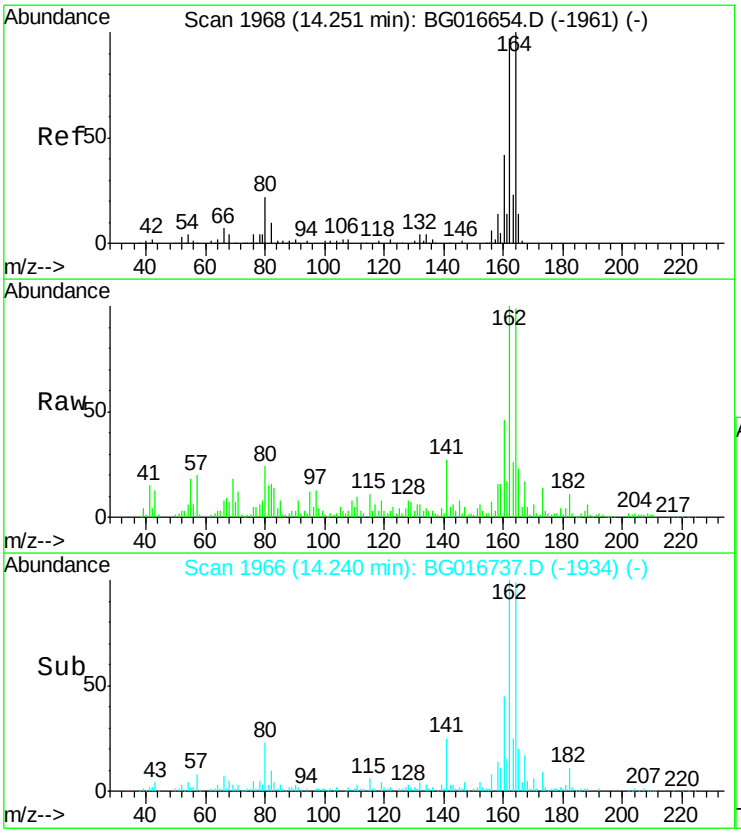
#37
2-Methylnaphthalene
Concen: 54.67 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:142 Resp: 525543

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.9	104.9
115	30.9	24.0	36.0

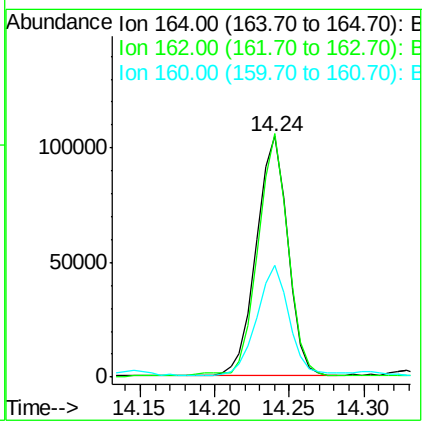


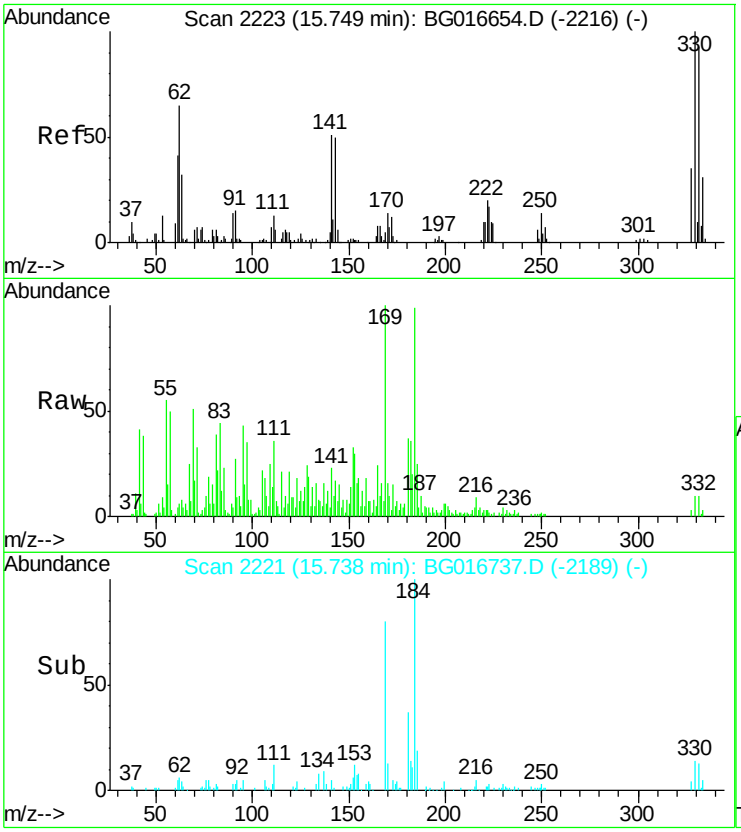


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:164 Resp: 151771

Ion	Ratio	Lower	Upper
164	100		
162	101.2	77.3	115.9
160	46.4	33.7	50.5



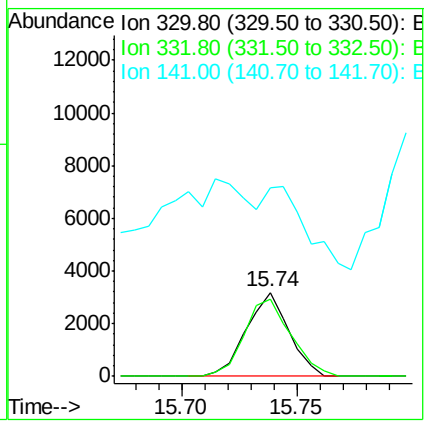


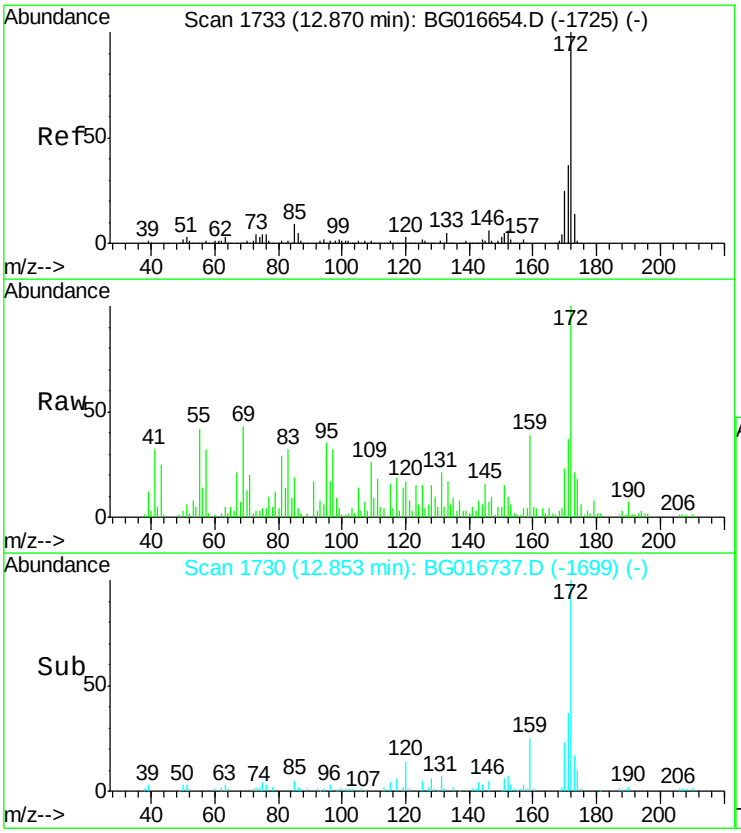
#41
2,4,6-Tribromophenol
Concen: 3.62 ng
RT: 15.74 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:330 Resp: 4071

Ion	Ratio	Lower	Upper
330	100		
332	101.6	76.2	114.4
141	0.0	43.0	64.6#

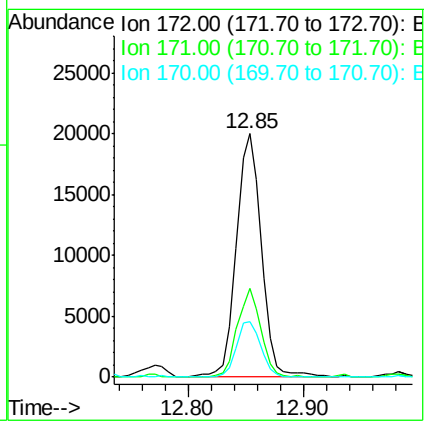


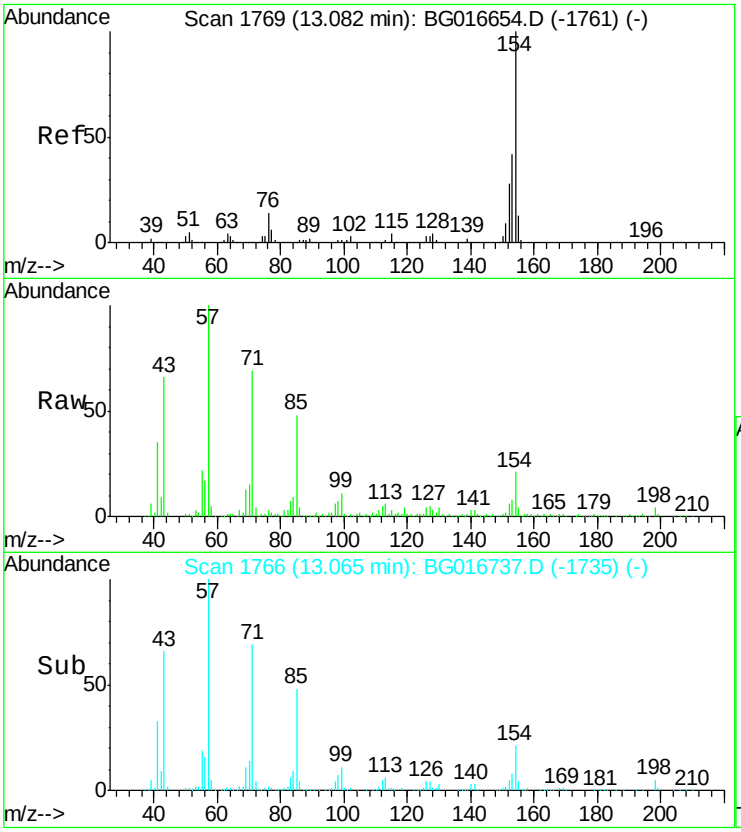


#44
2-Fluorobiphenyl
Concen: 3.18 ng
RT: 12.85 min Scan# 1730
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:172 Resp: 30081

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	22.6	19.8	29.8



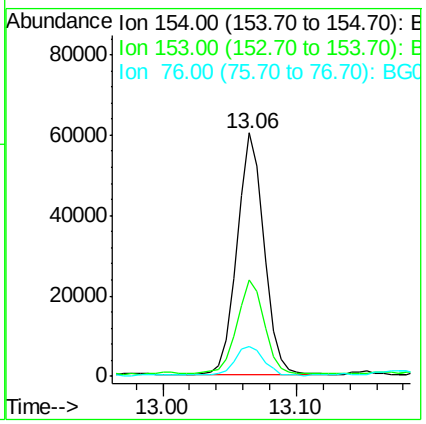


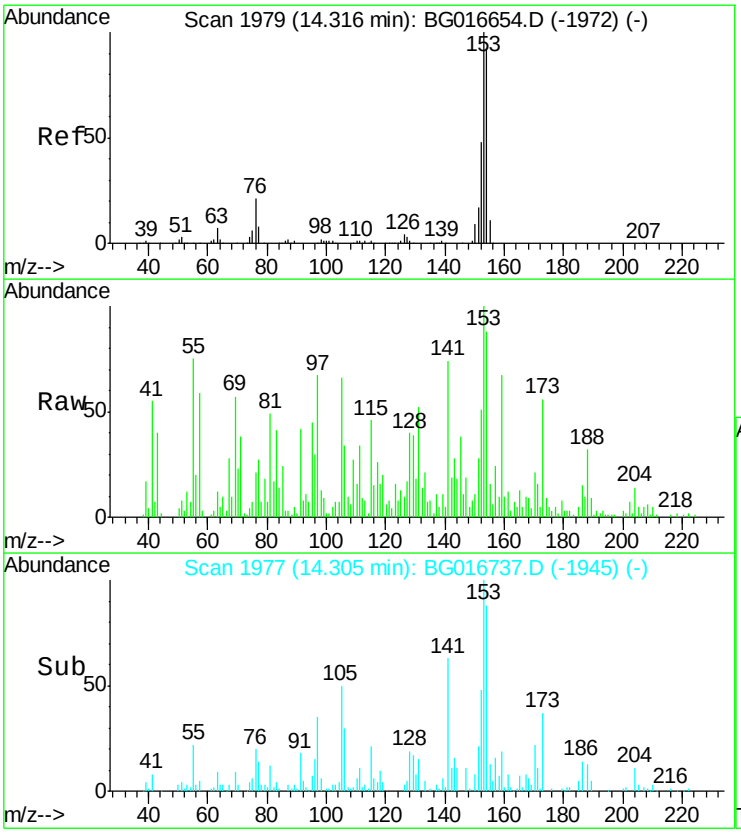
#45
1,1'-Biphenyl
Concen: 7.02 ng
RT: 13.06 min Scan# 1766
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:154 Resp: 83634

Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.8	61.8
76	12.3	0.0	33.7

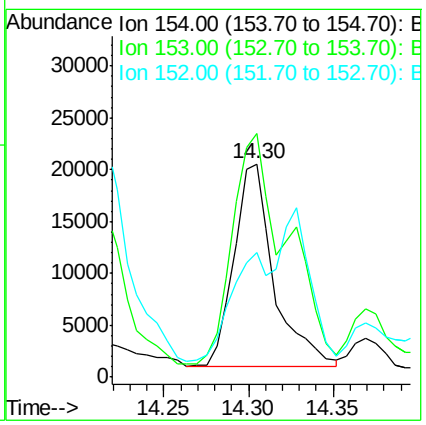


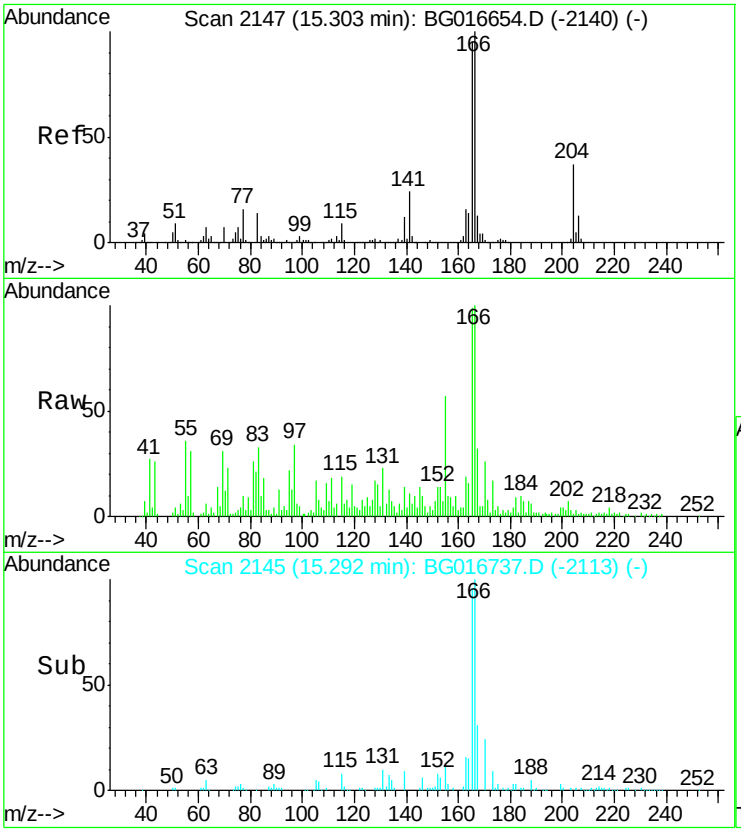


#51
Acenaphthene
Concen: 3.37 ng
RT: 14.30 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:154 Resp: 32492

Ion	Ratio	Lower	Upper
154	100		
153	114.2	87.0	130.6
152	58.4	41.6	62.4



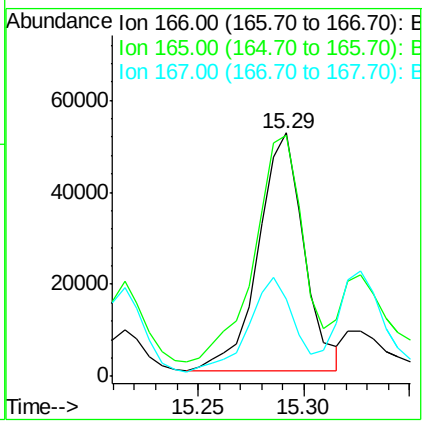


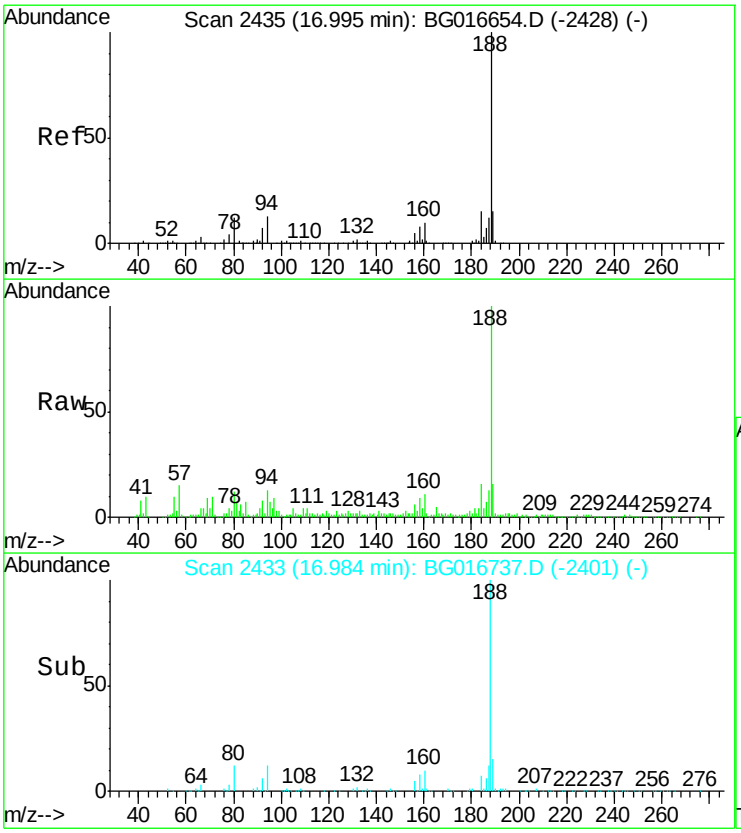
#57
Fluorene
Concen: 6.49 ng
RT: 15.29 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:166 Resp: 77041

Ion	Ratio	Lower	Upper
166	100		
165	98.8	75.6	113.4
167	31.8	10.7	16.1#

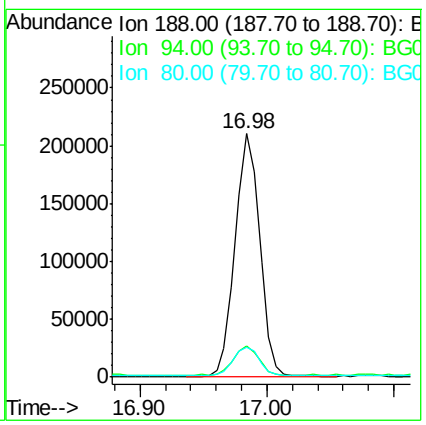


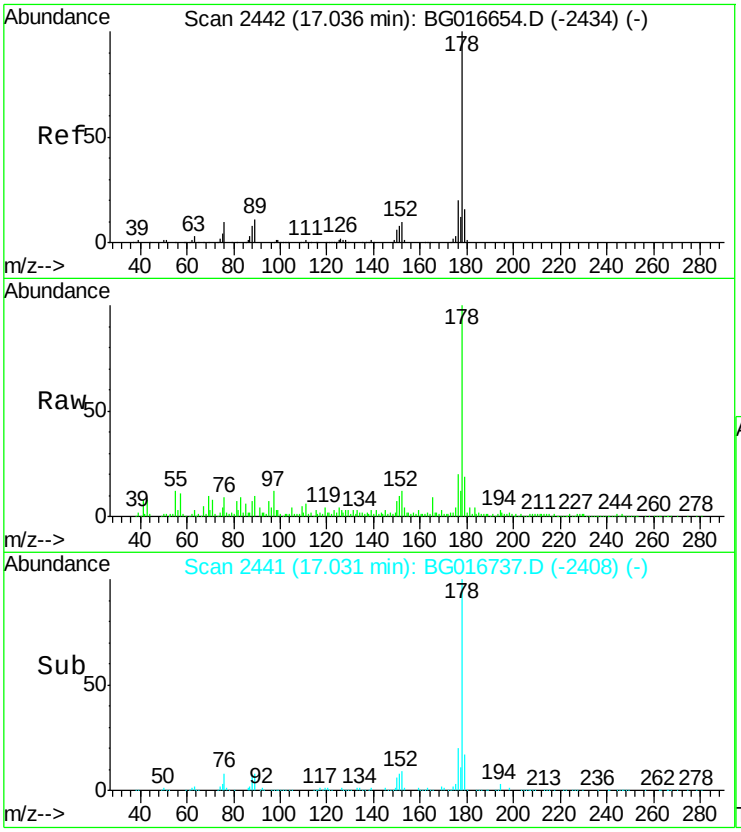


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.98 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:188 Resp: 282298

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.7	16.1
80	12.3	9.9	14.9



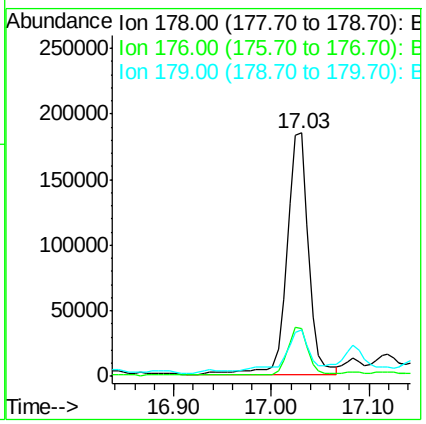


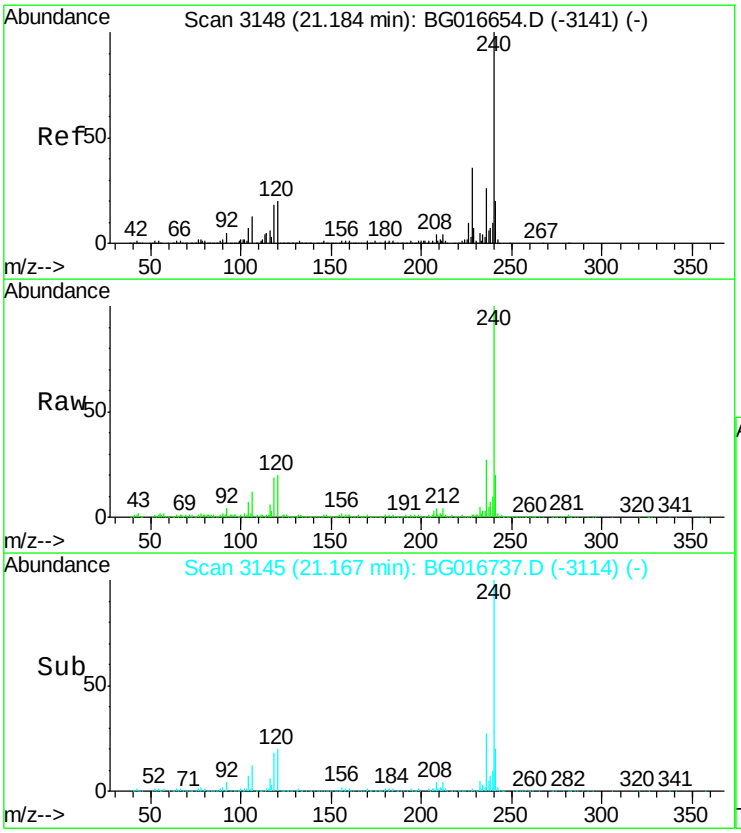
#70
Phenanthrene
Concen: 17.44 ng
RT: 17.03 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:178 Resp: 282852

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	18.9	12.8	19.2

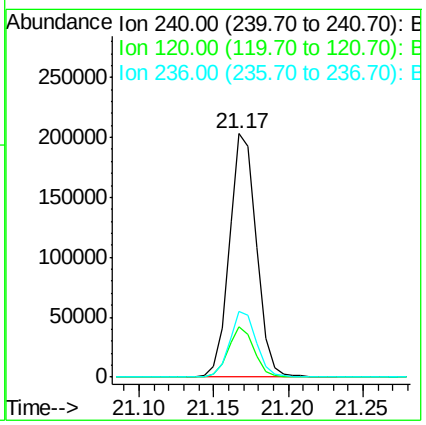


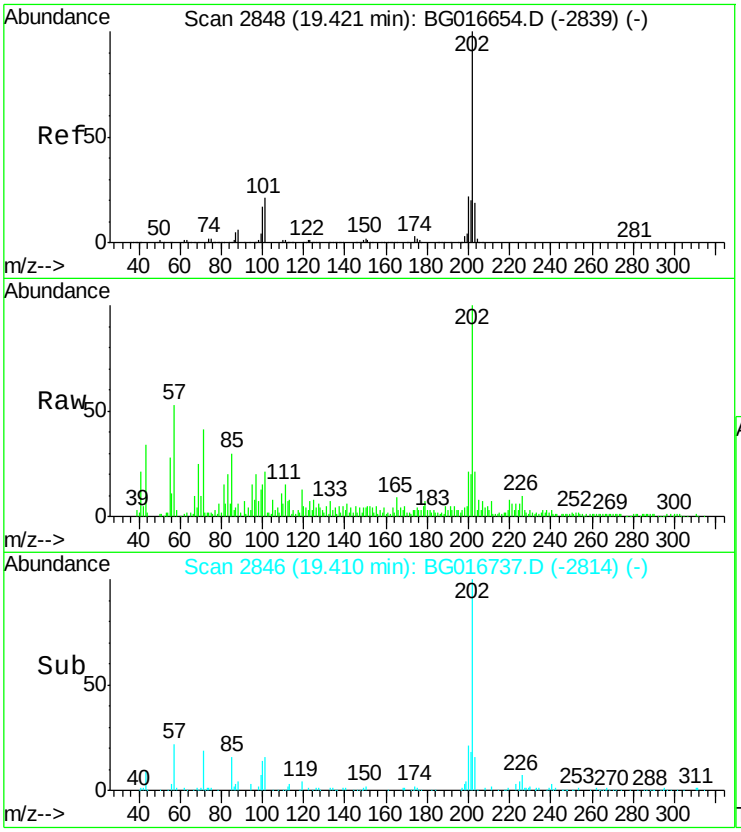


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.17 min Scan# 3145
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:240 Resp: 258061

Ion	Ratio	Lower	Upper
240	100		
120	20.5	16.3	24.5
236	26.8	21.1	31.7



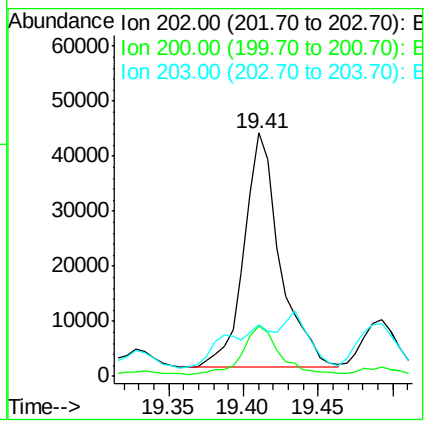


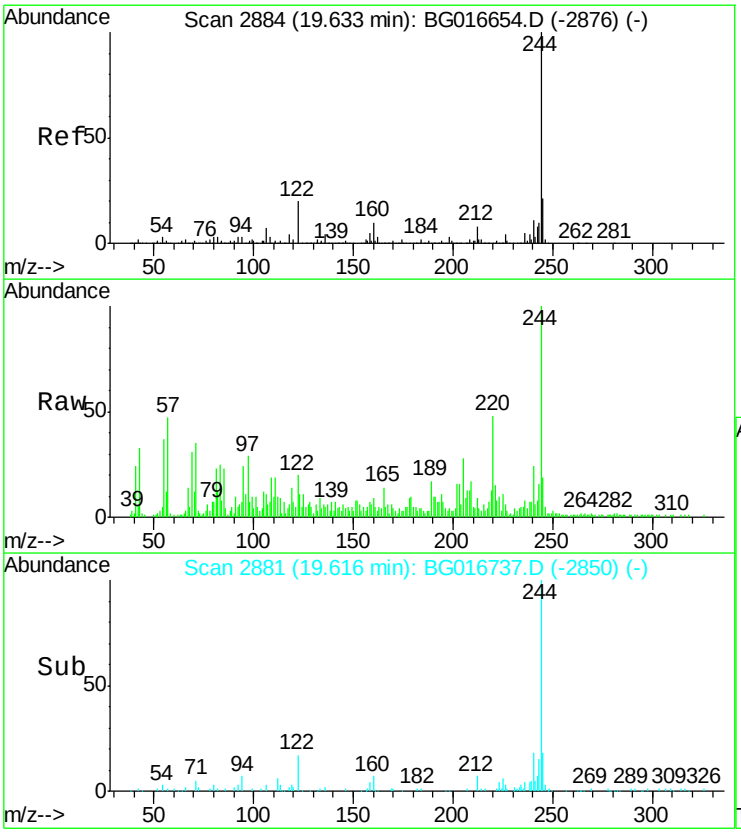
#77
Pyrene
Concen: 3.95 ng
RT: 19.41 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tgt Ion:202 Resp: 71599

Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	21.3	14.9	22.3

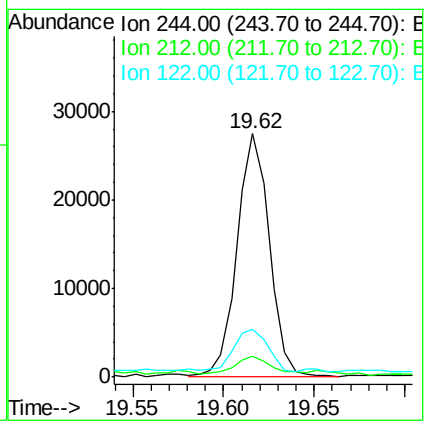


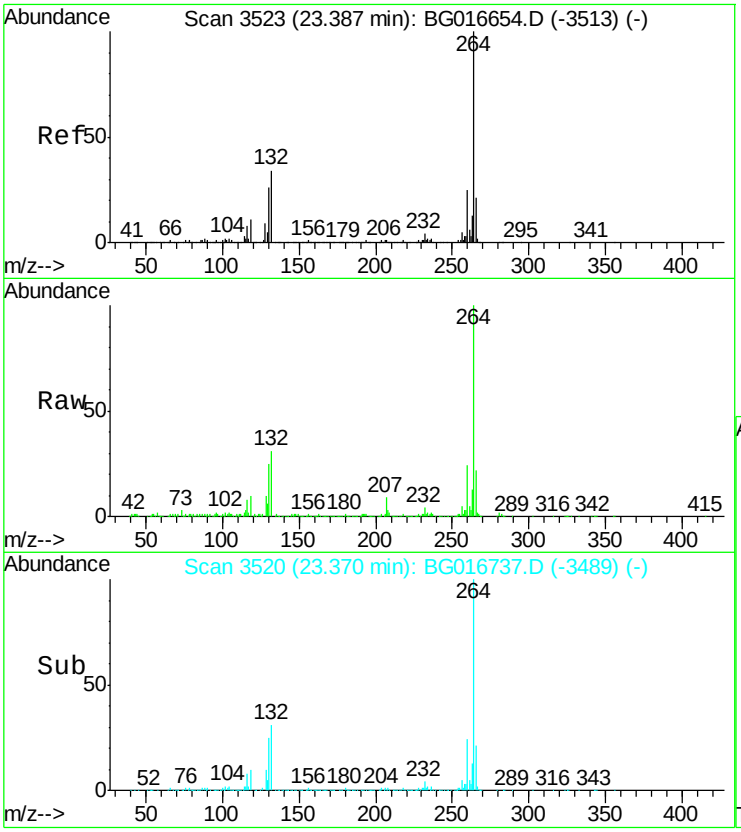


#78
Terphenyl-d14
Concen: 3.04 ng
RT: 19.62 min Scan# 2881
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:244 Resp: 34093

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.4	9.6
122	19.7	15.9	23.9

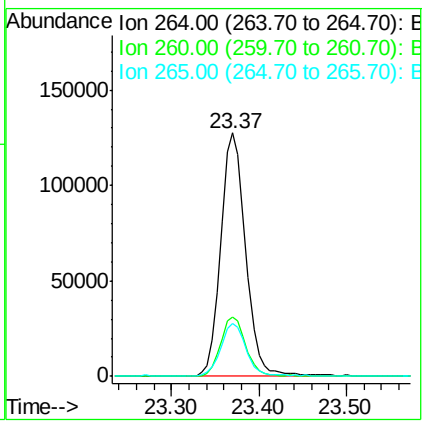




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion:264 Resp: 249591

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	21.6	16.8	25.2



Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2