Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
Data File : BF078329.D
Acq On : 8 Apr 2015 8:27
Operator : TP/IZ
Sample : G1745-05DL 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2DDL

Quant Time: Apr 08 08:07:35 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 08 03:14:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	37175	20.00	ng		0.00
21) Naphthalene-d8	8.51	136	156943	20.00	ng		0.00
38) Acenaphthene-d10	10.67	164	77536	20.00	ng		0.00
63) Phenanthrene-d10	12.50	188	153315	20.00	ng		0.00
75) Chrysene-d12	15.77	240	163616	20.00	ng		0.00
86) Perylene-d12	17.47	264	160599	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	18917	8.39	ng		0.01
7) Phenol-d6	6.53	99	23437	8.29	ng		0.01
23) Nitrobenzene-d5	7.63	82	14133	5.46	ng		0.00
41) 2,4,6-Tribromophenol	11.65	330	4814	7.49	ng		0.00
44) 2-Fluorobiphenyl	9.86	172	28866	5.32	ng		0.00
78) Terphenyl-d14	14.49	244	32764	4.52	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.53	128	387135	47.39	ng		99
37) 2-Methylnaphthalene	9.39	142	61666	11.12	ng		97
45) 1,1'-Biphenyl	9.97	154	37224	5.87	ng		97
48) Acenaphthylene	10.50	152	20607	2.56	ng	#	96
51) Acenaphthene	10.72	154	60176	13.26	ng		99
57) Fluorene	11.35	166	42739	7.61	ng		100
70) Phenanthrene	12.53	178	245070	27.63	ng		100
71) Anthracene	12.59	178	63882	7.31	ng		100
74) Fluoranthene	14.00	202	111912	11.97	ng		92
77) Pyrene	14.27	202	171653	16.71	ng		99
80) Benzo(a)anthracene	15.76	228	43896m	4.51	ng		
82) Chrysene	15.79	228	28753	3.14	ng		98
87) Benzo(b)fluoranthene	17.04	252	29262m	2.95	ng		
89) Benzo(a)pyrene	17.40	252	37503	4.33	ng	#	98
91) Benzo(g,h,i)perylene	19.09	276	22962	2.64	ng		96

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

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Misc :
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Instrument :
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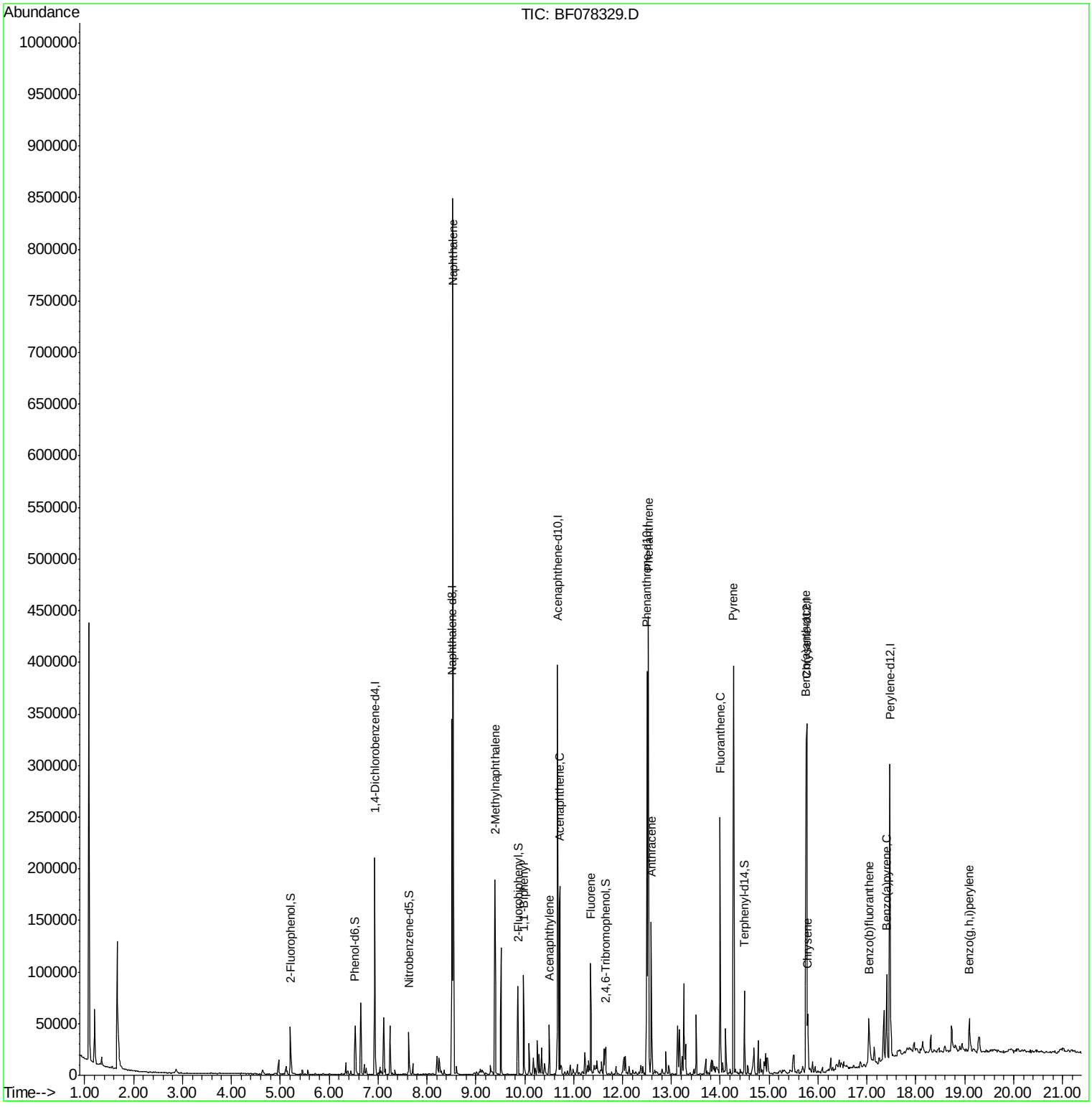
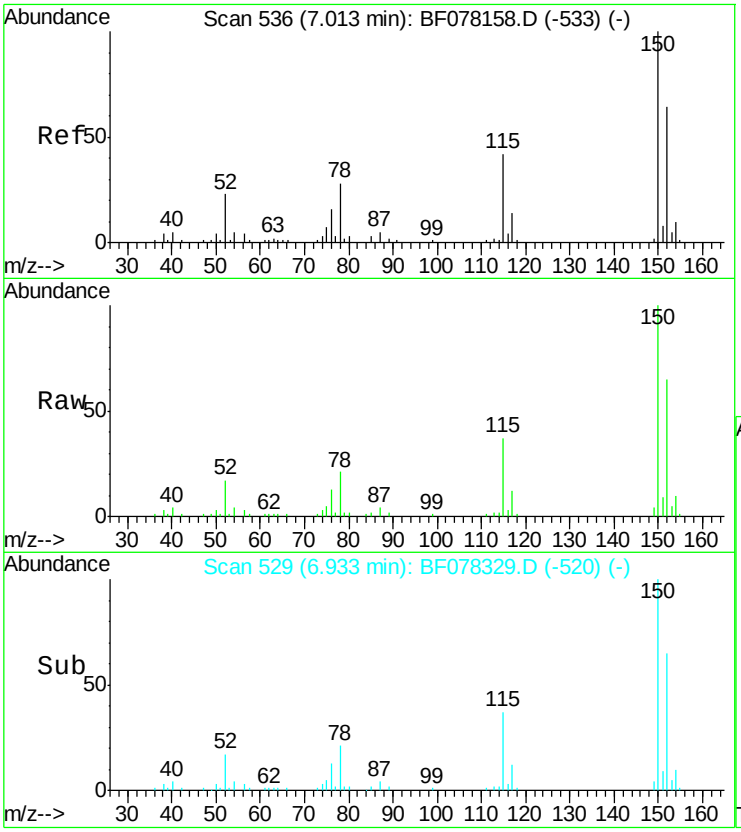
SB-2DDL

Quant Time: Apr 08 08:07:35 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 08 03:14:41 2015
Response via : Initial Calibration



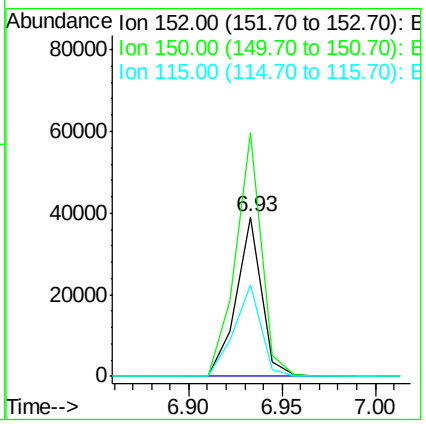


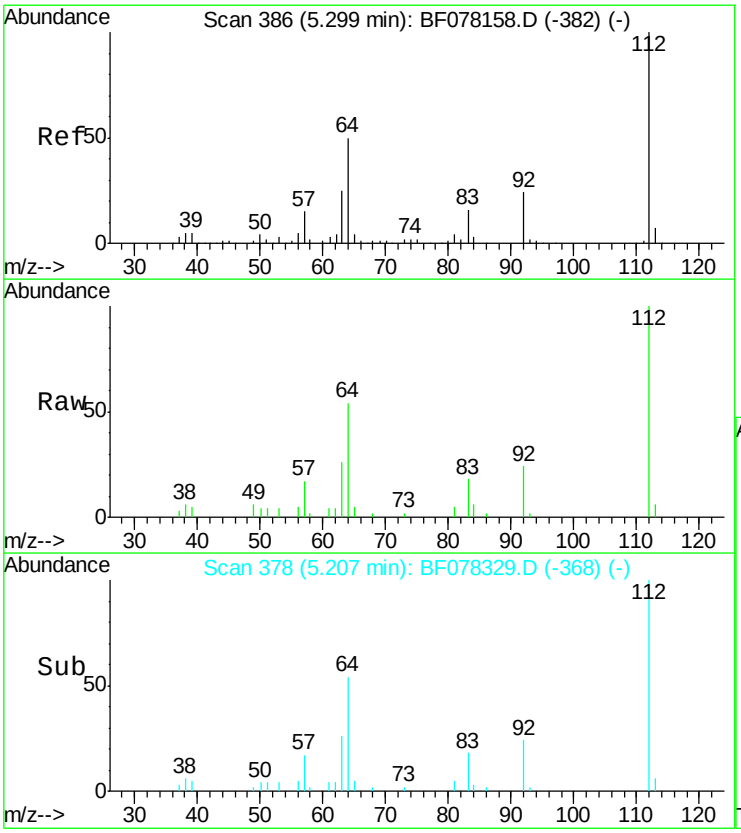
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:152 Resp: 37175

Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.9	188.9
115	57.0	52.7	79.1

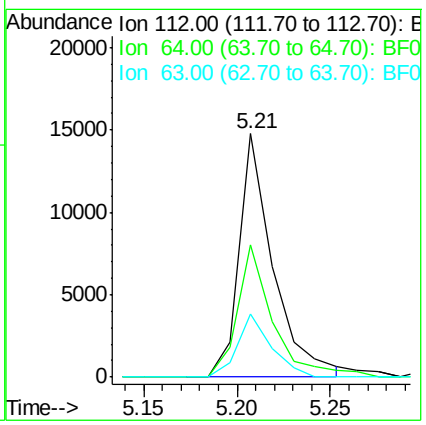


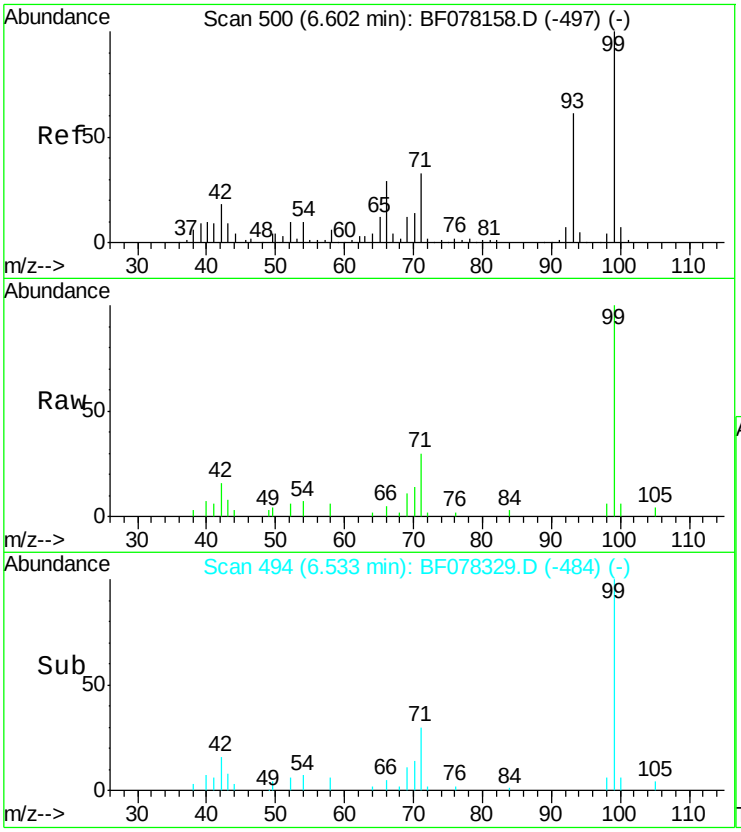


#5
2-Fluorophenol
Concen: 8.39 ng
RT: 5.21 min Scan# 378
Delta R.T. 0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:112 Resp: 18917

Ion	Ratio	Lower	Upper
112	100		
64	54.4	39.9	59.9
63	25.8	20.2	30.4



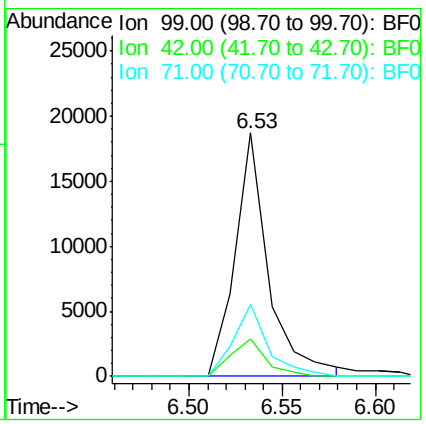


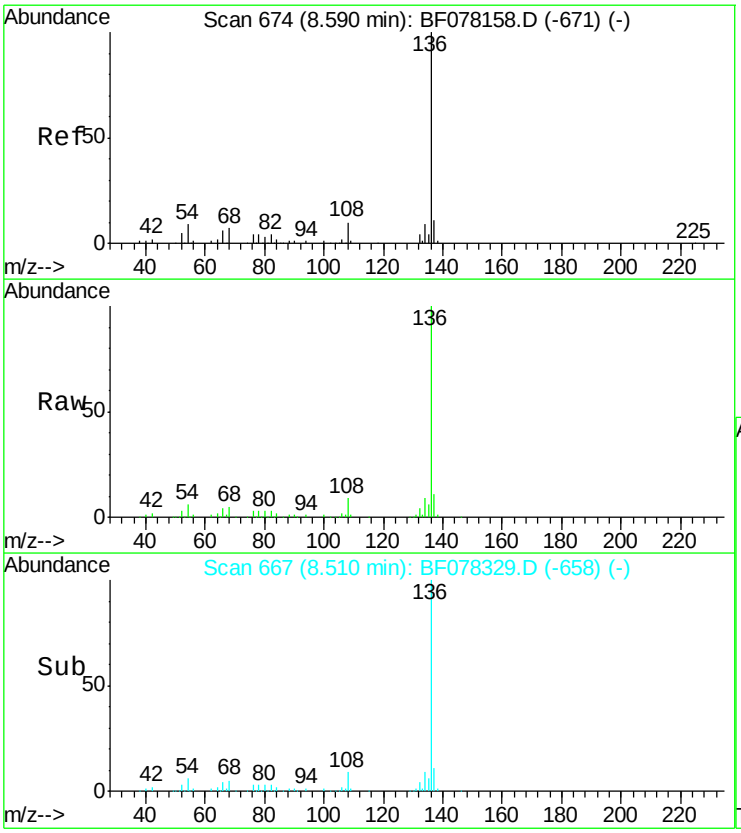
#7
Phenol-d6
Concen: 8.29 ng
RT: 6.53 min Scan# 494
Delta R.T. 0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion: 99 Resp: 23437

Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.8	22.2
71	29.8	26.6	39.8

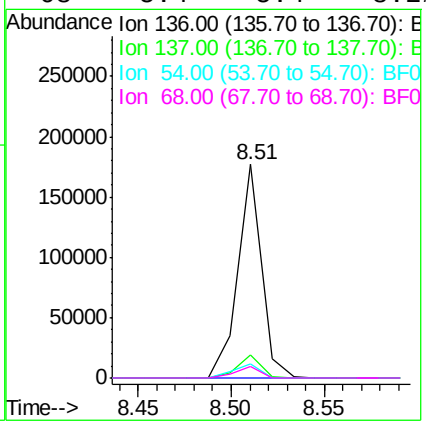


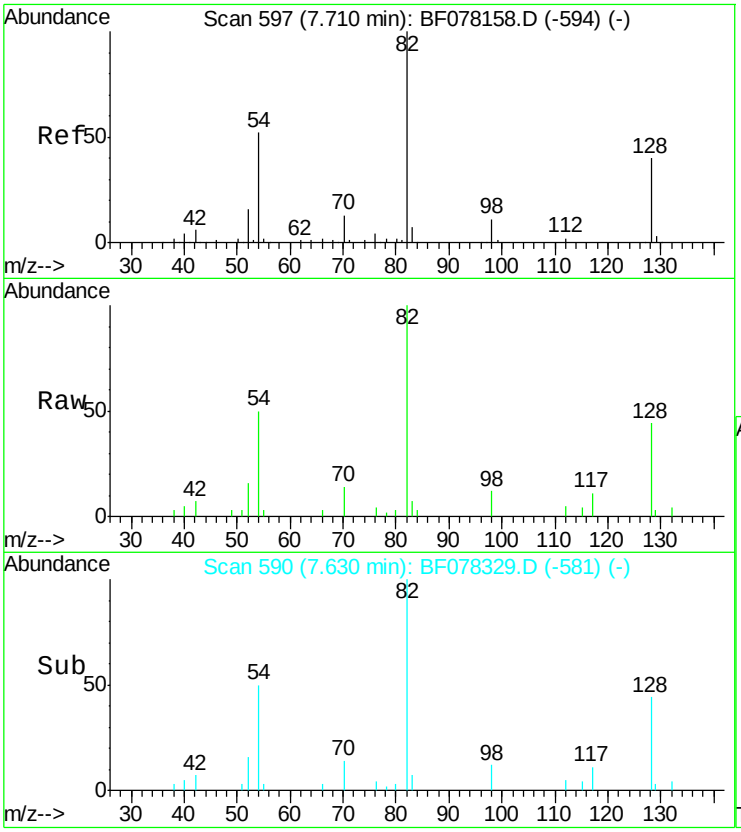


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:136 Resp: 156943

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.3	7.0	10.6#
68	5.4	5.4	8.2#



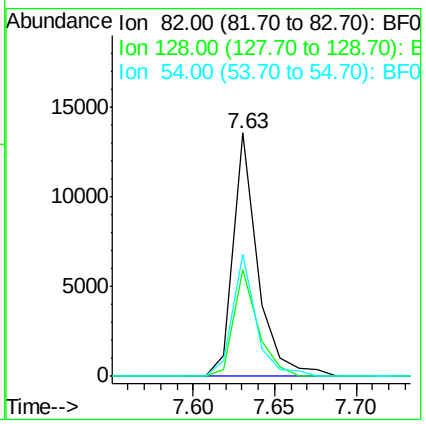


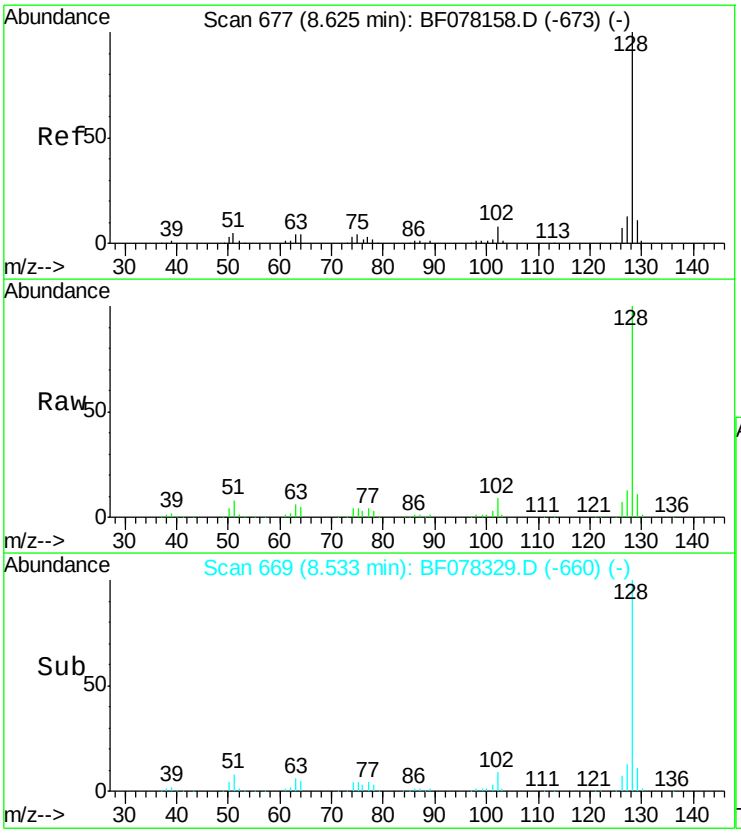
#23
Nitrobenzene-d5
Concen: 5.46 ng
RT: 7.63 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion: 82 Resp: 14133

Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.8	47.8
54	50.1	41.5	62.3

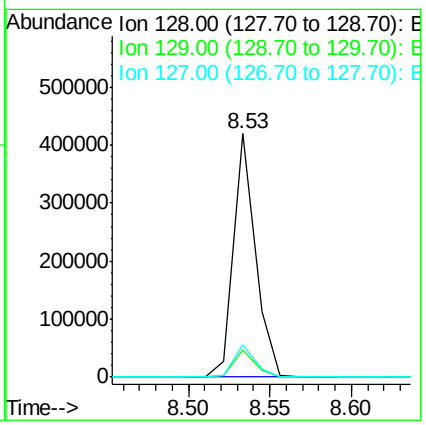


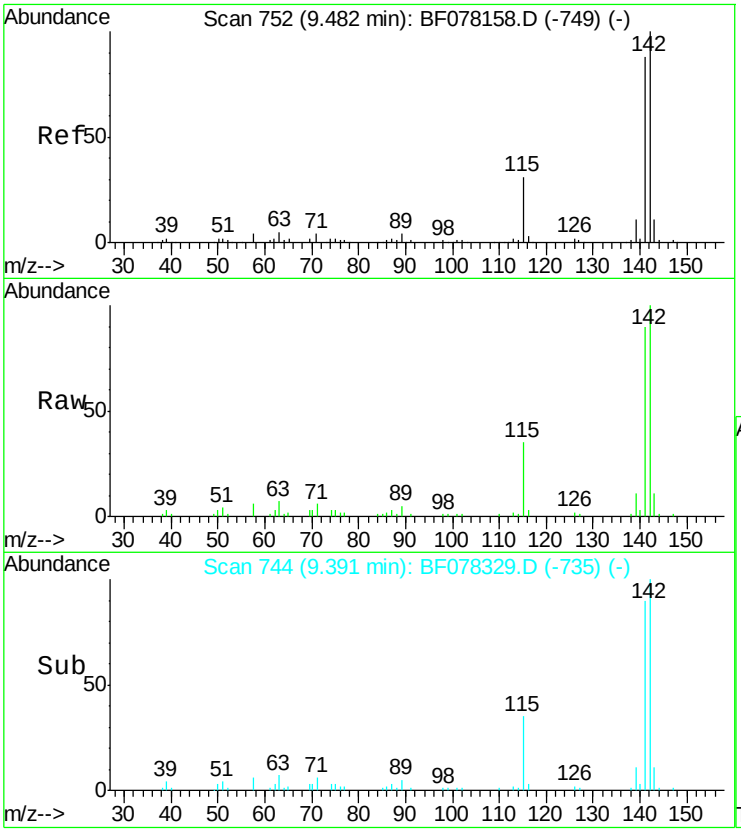


#31
Naphthalene
Concen: 47.39 ng
RT: 8.53 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:128 Resp: 387135

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.1	10.7	16.1



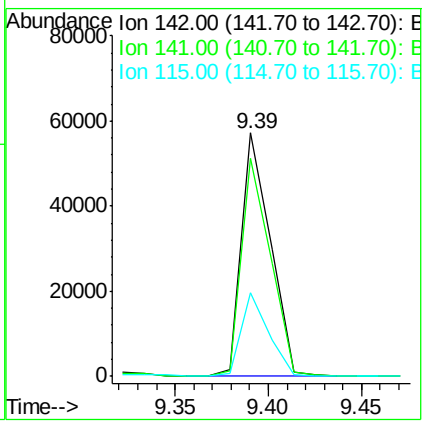


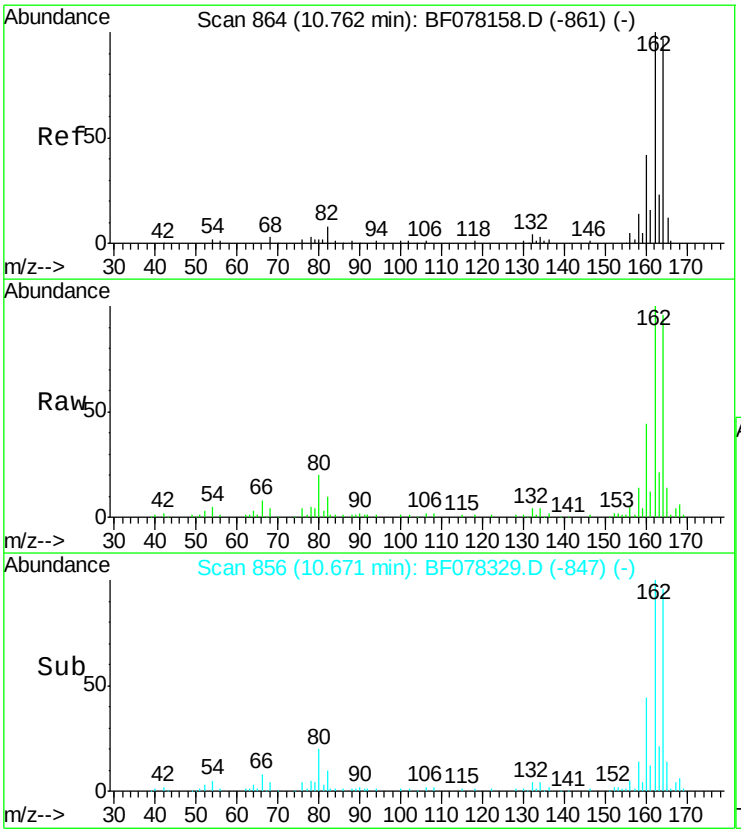
#37
2-Methylnaphthalene
Concen: 11.12 ng
RT: 9.39 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:142 Resp: 61666

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	34.6	24.6	37.0

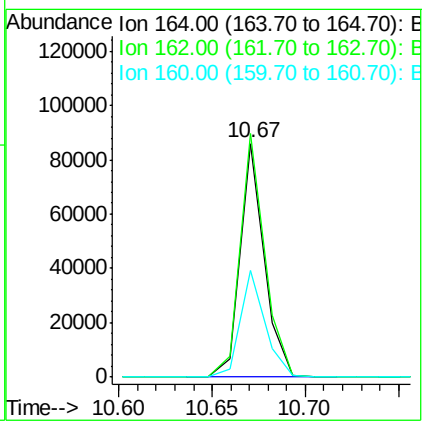


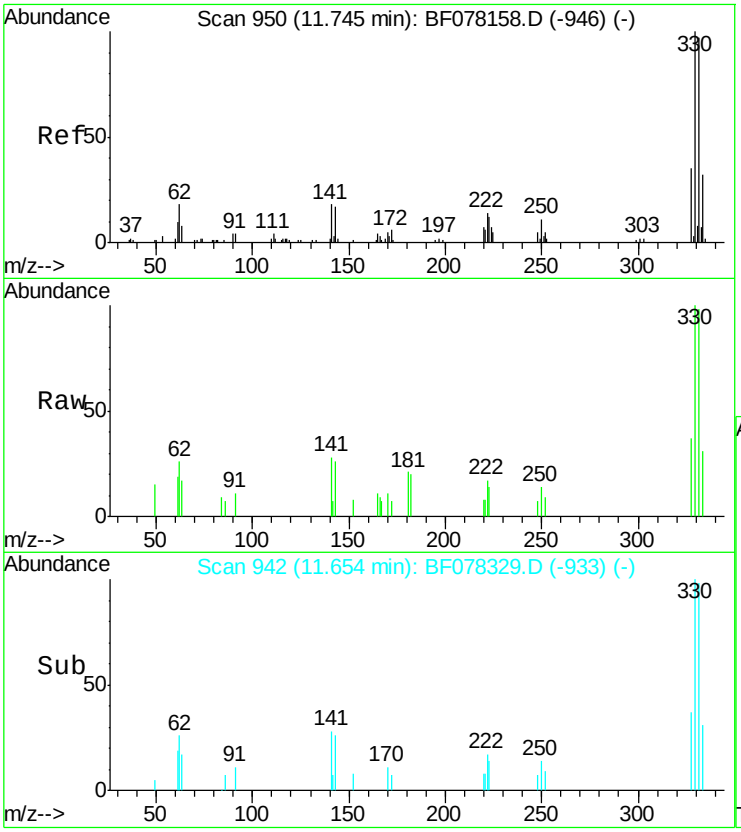


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.67 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:164 Resp: 77536

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	45.5	34.7	52.1



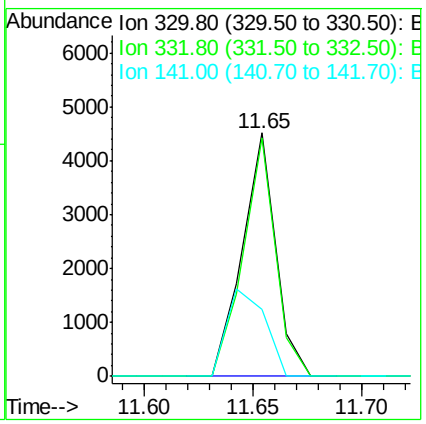


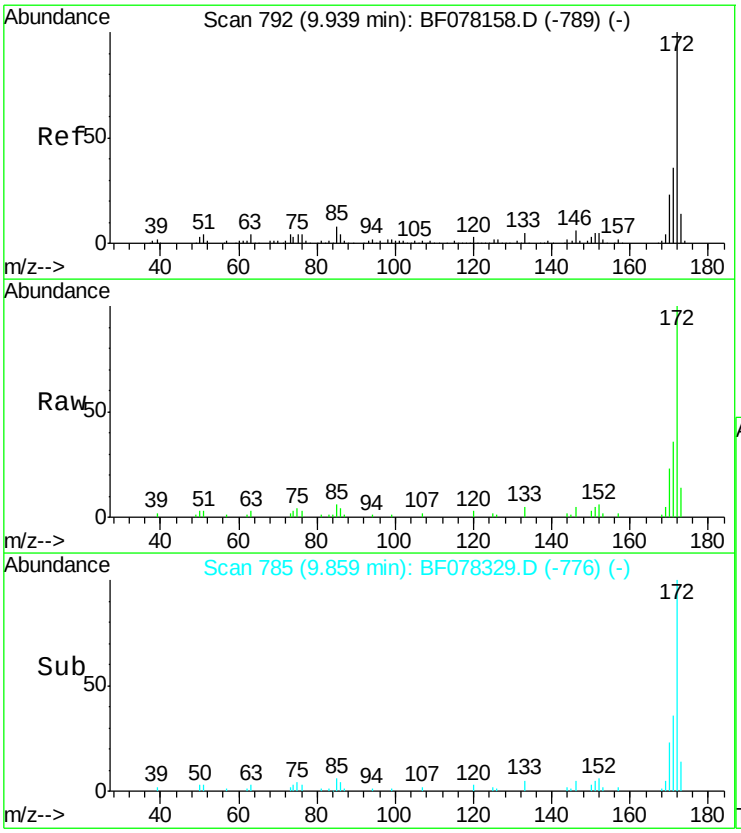
#41
2,4,6-Tribromophenol
Concen: 7.49 ng
RT: 11.65 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:330 Resp: 4814

Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.6	117.8
141	40.7	31.2	46.8

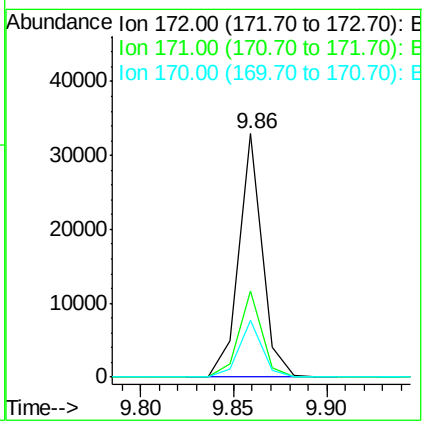


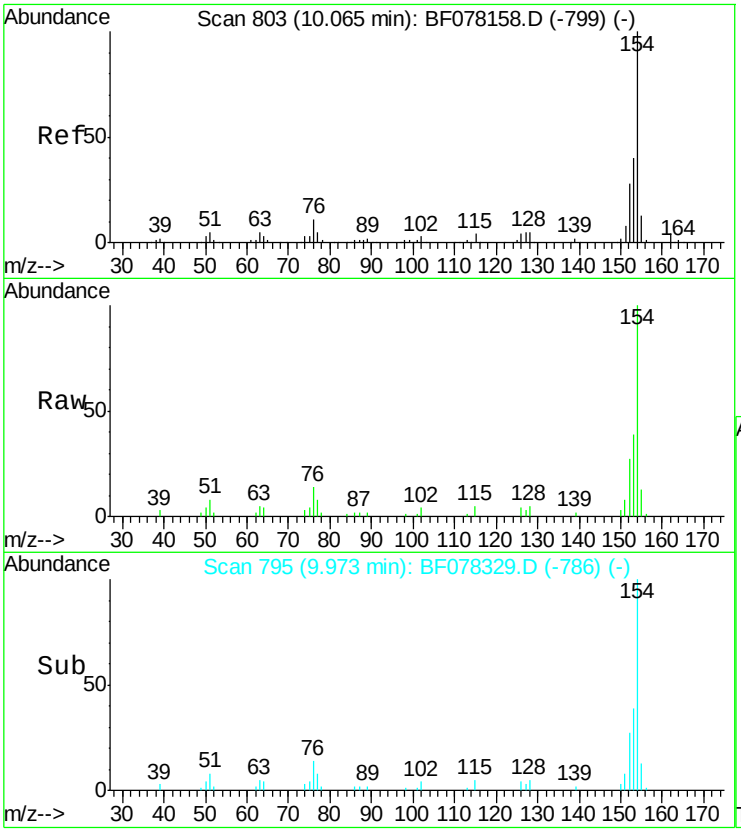


#44
2-Fluorobiphenyl
Concen: 5.32 ng
RT: 9.86 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:172 Resp: 28866

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.4	18.5	27.7



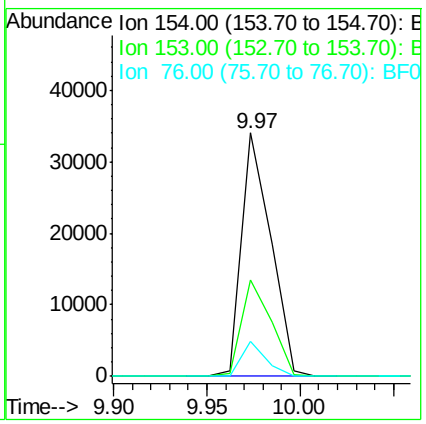


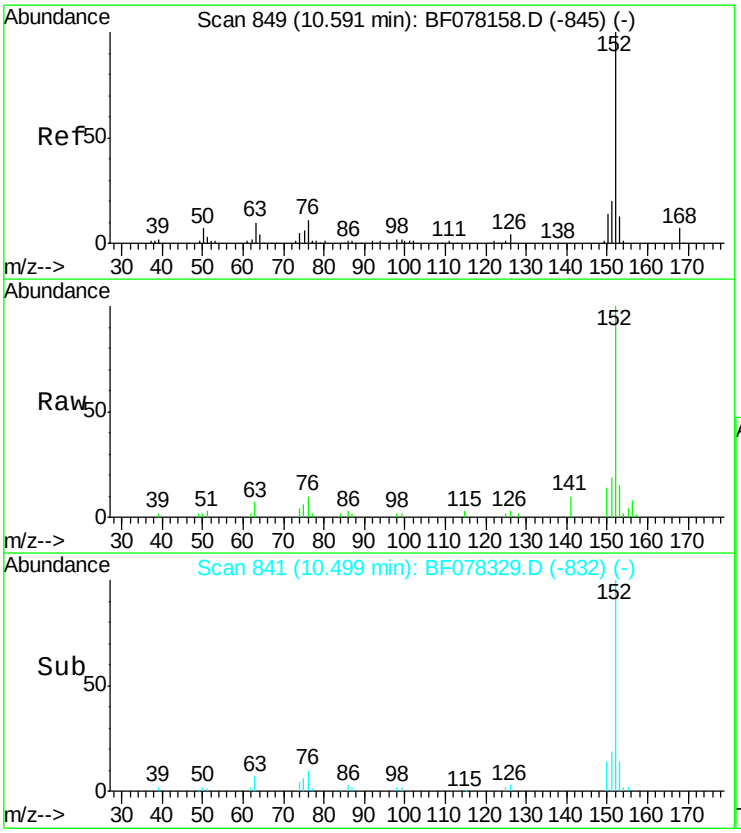
#45
1,1'-Biphenyl
Concen: 5.87 ng
RT: 9.97 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:154 Resp: 37224

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	14.1	0.0	30.6

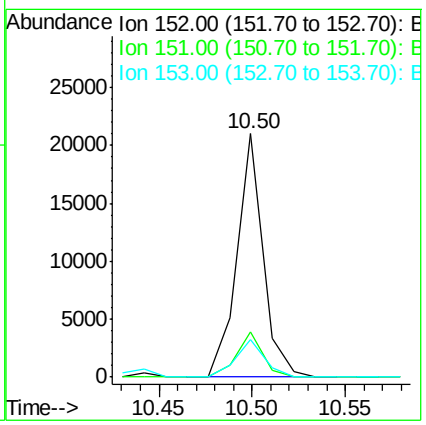


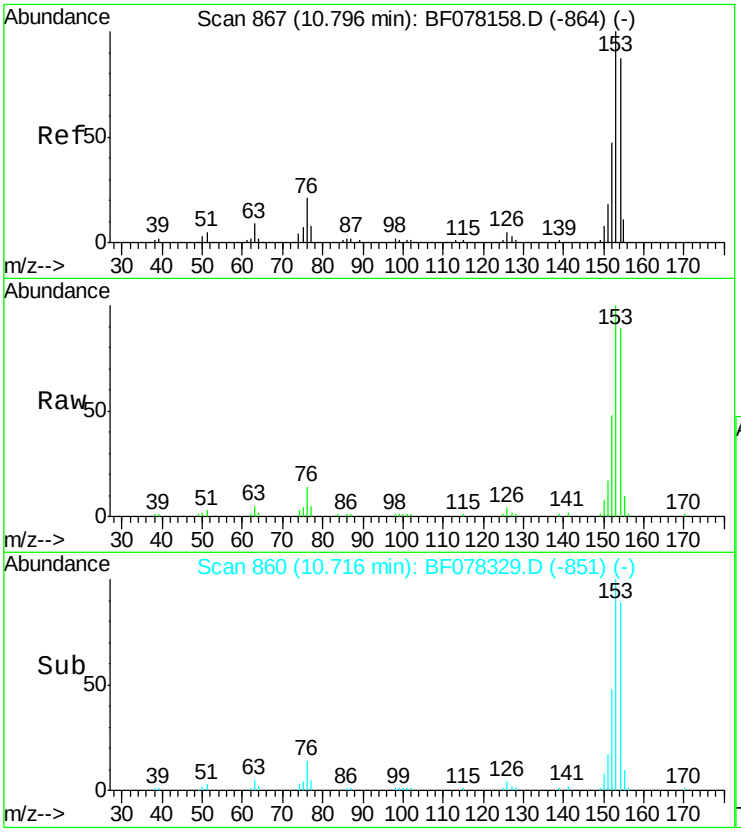


#48
Acenaphthylene
Concen: 2.56 ng
RT: 10.50 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:152 Resp: 20607

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.7	23.5
153	15.4	10.2	15.2#



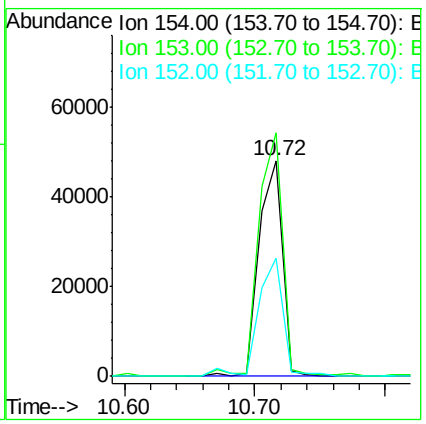


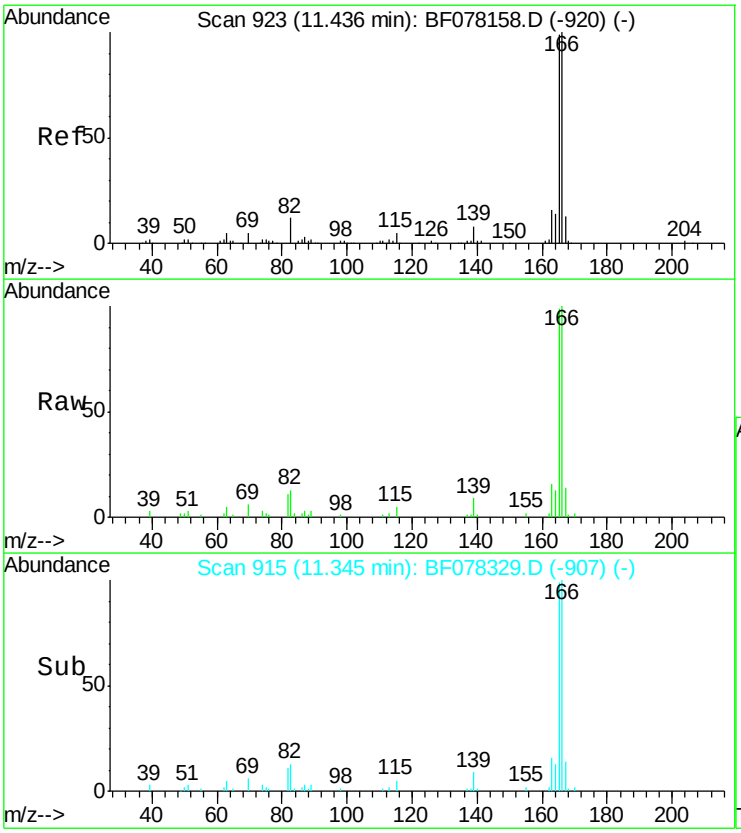
#51
Acenaphthene
Concen: 13.26 ng
RT: 10.72 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:154 Resp: 60176

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.4	137.2
152	54.7	43.0	64.6

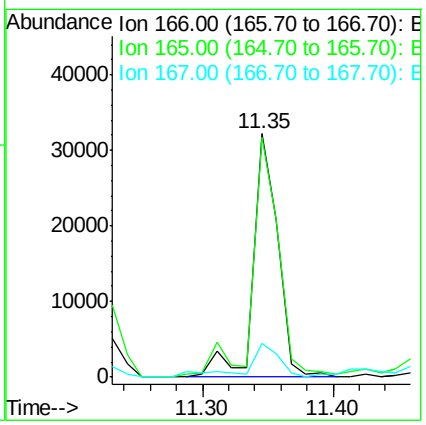


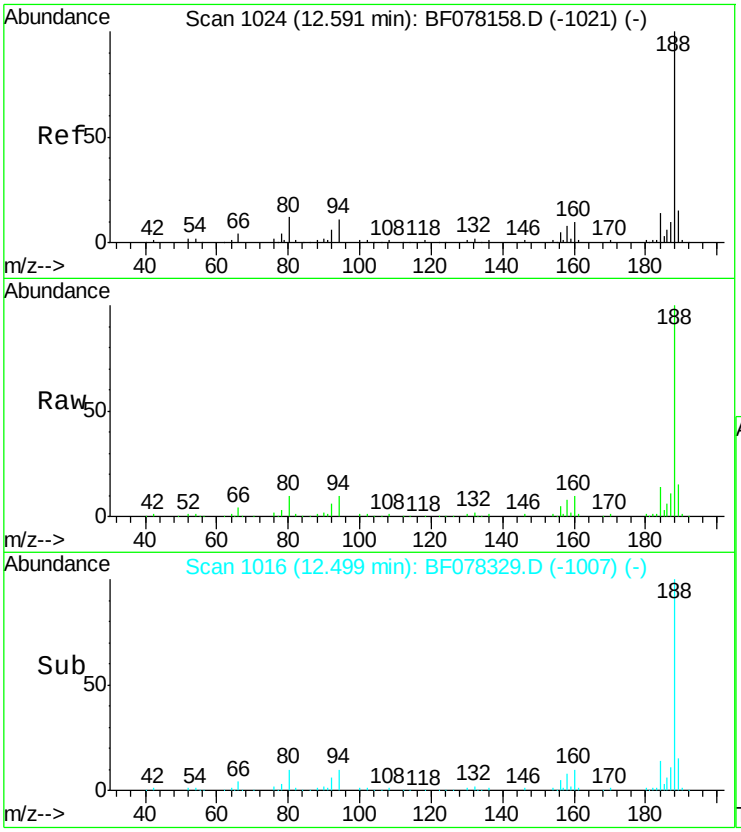


#57
Fluorene
Concen: 7.61 ng
RT: 11.35 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:166 Resp: 42739

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.9	118.3
167	13.9	10.7	16.1



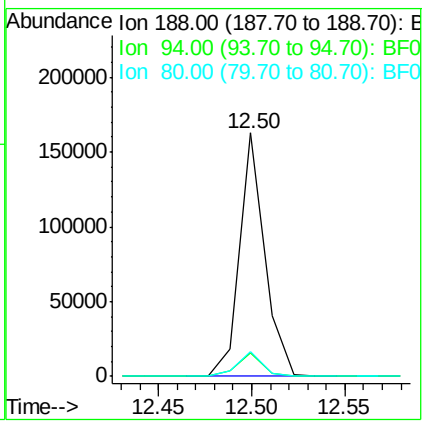


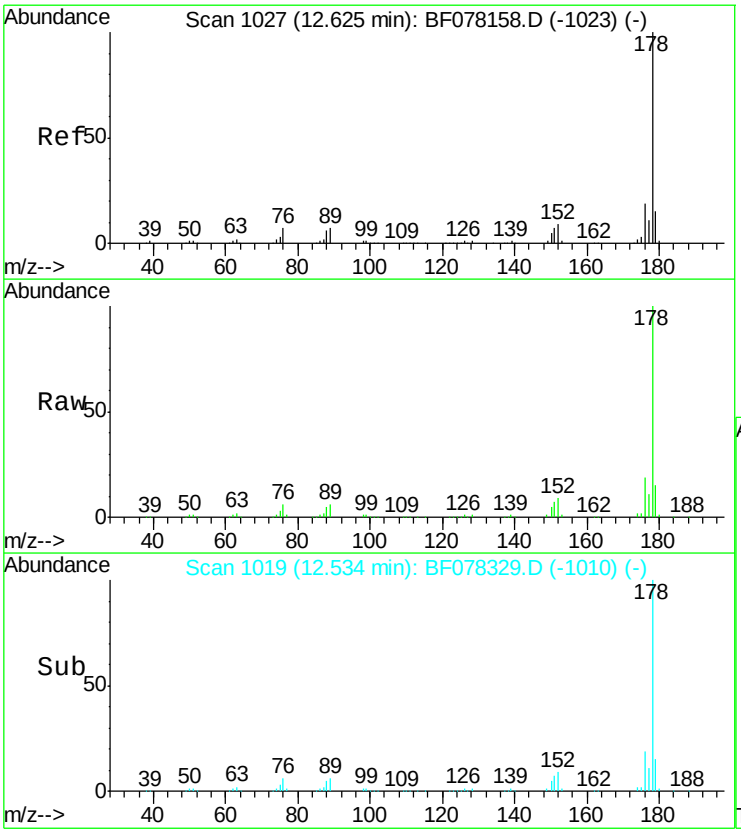
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:188 Resp: 153315

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.0	13.4
80	10.4	9.5	14.3

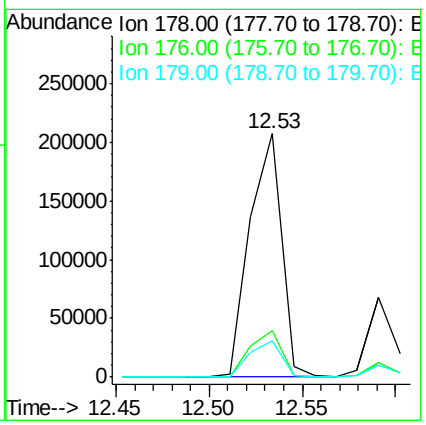


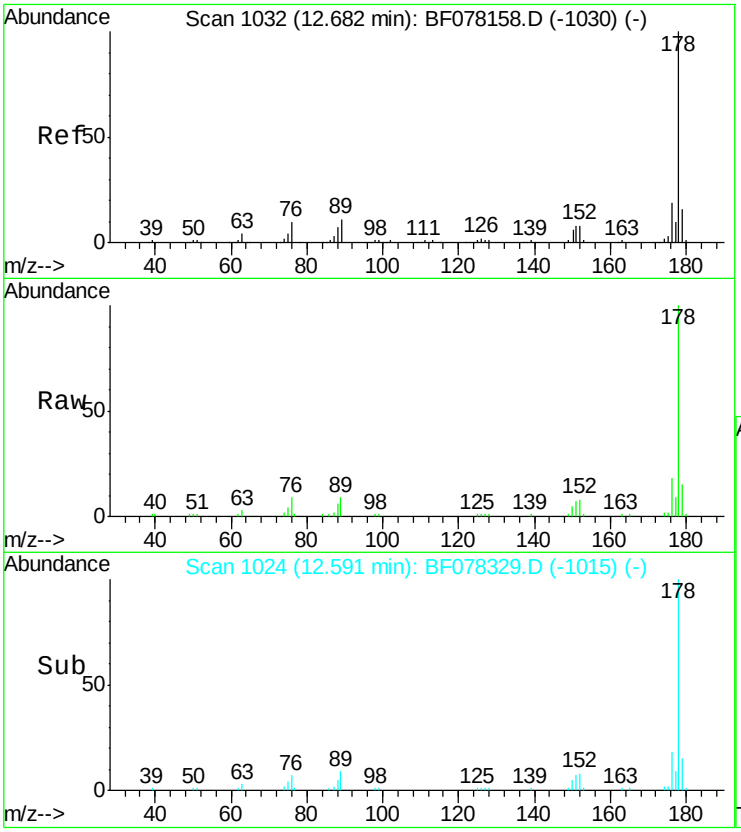


#70
Phenanthrene
Concen: 27.63 ng
RT: 12.53 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:178 Resp: 245070

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.1	12.2	18.2



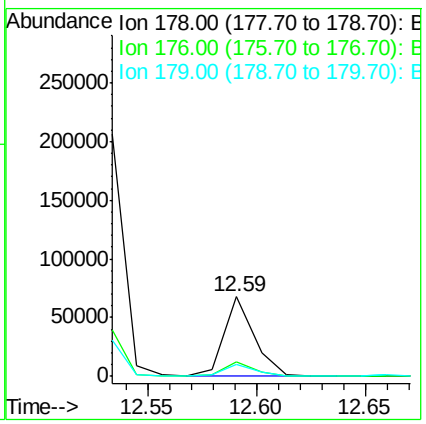


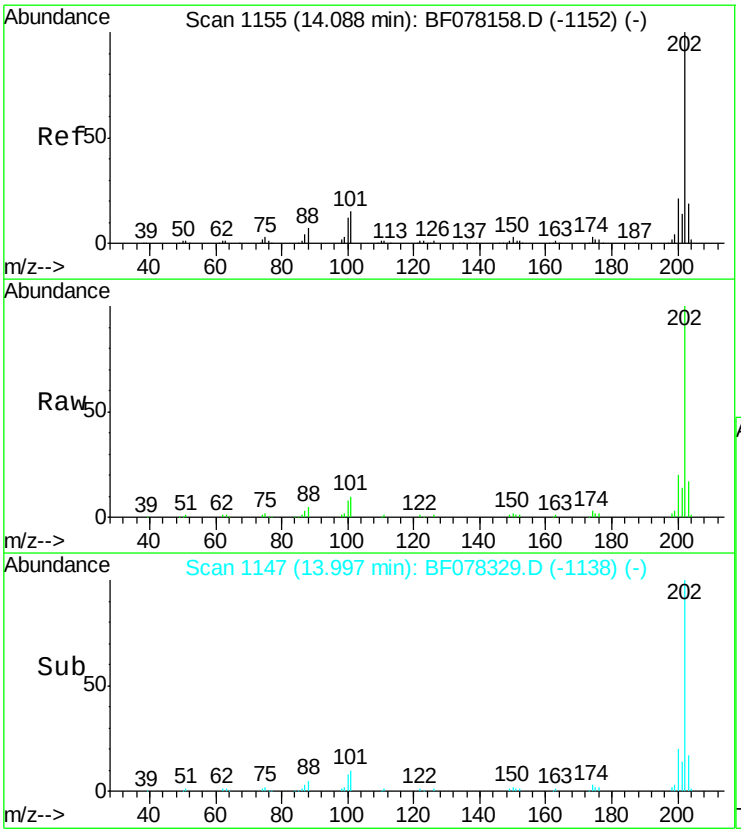
#71
Anthracene
Concen: 7.31 ng
RT: 12.59 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:178 Resp: 63882

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.4	12.4	18.6

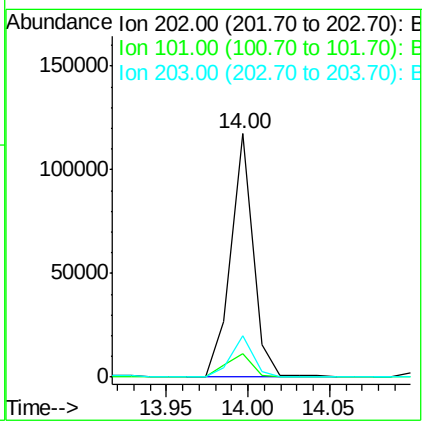


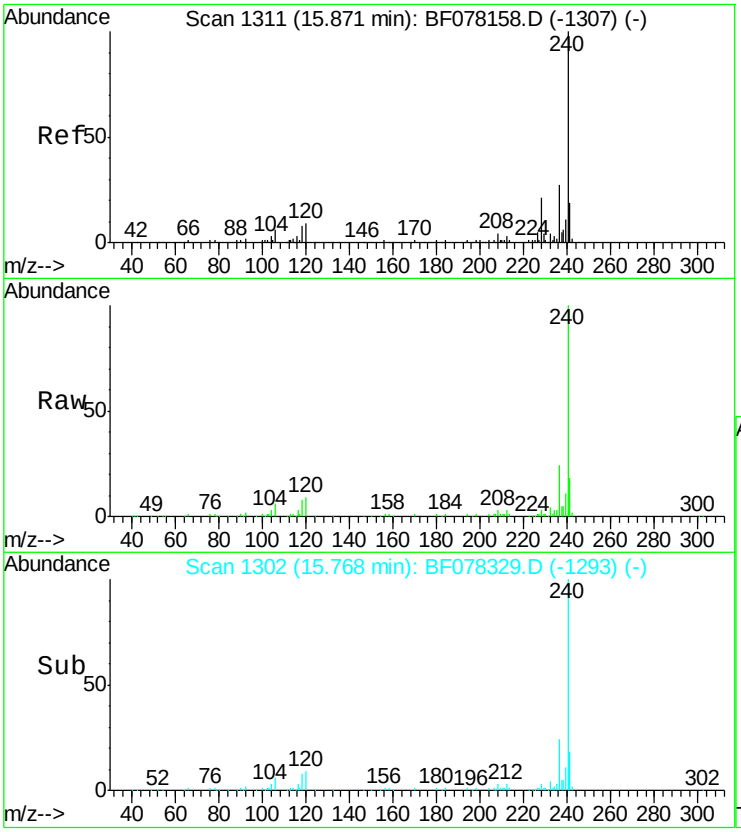


#74
Fluoranthene
Concen: 11.97 ng
RT: 14.00 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:202 Resp: 111912

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	35.2
203	17.1	0.0	38.5



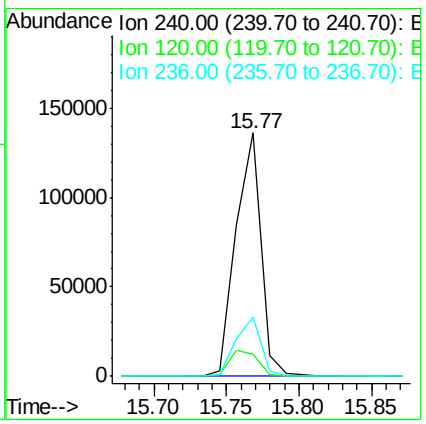


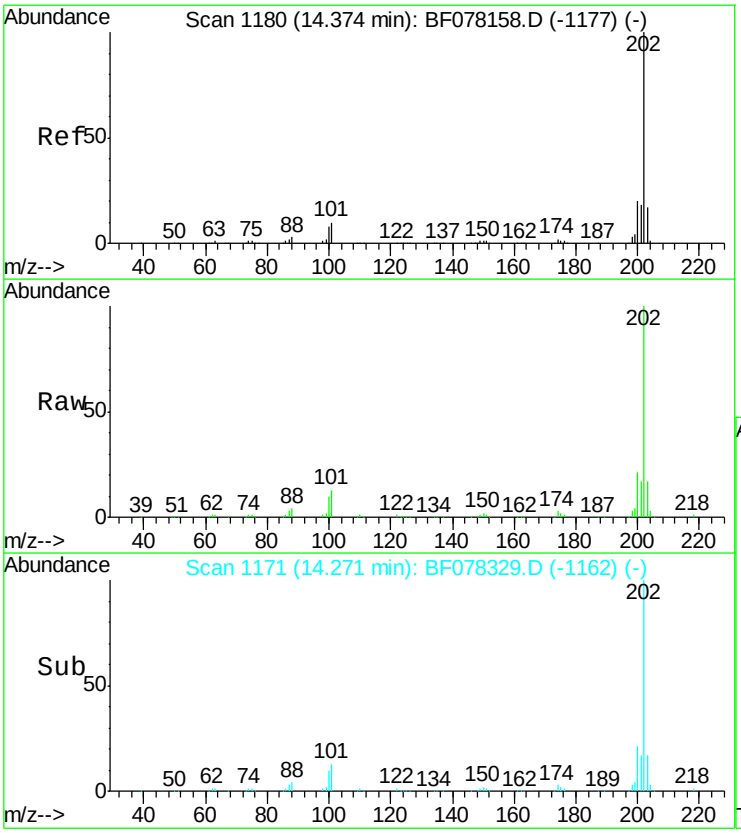
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.77 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:240 Resp: 163616

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.1	10.7
236	24.3	21.4	32.2

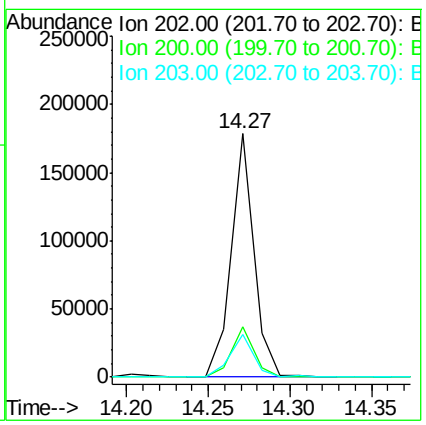


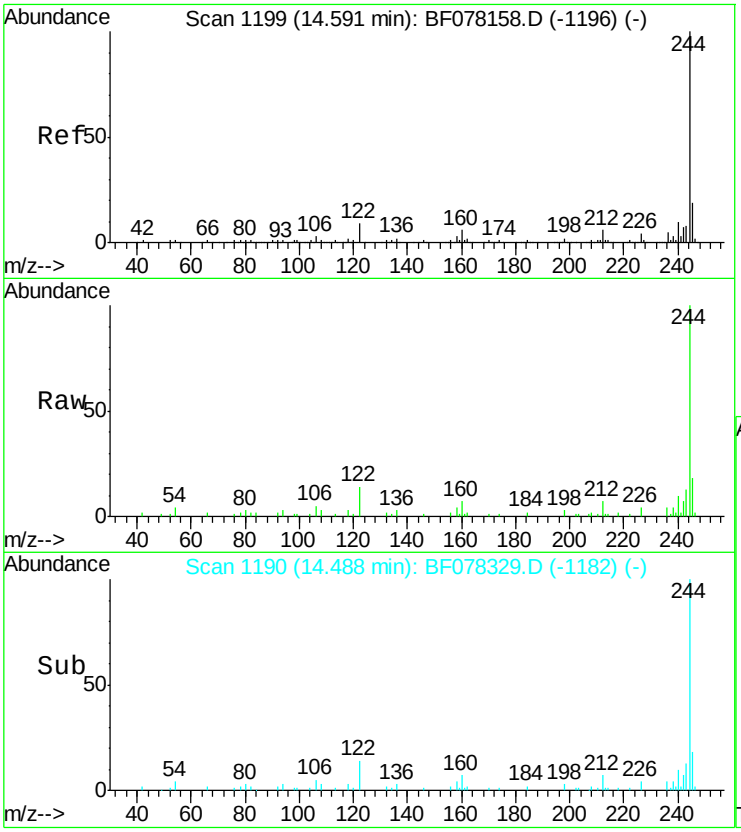


#77
Pyrene
Concen: 16.71 ng
RT: 14.27 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:202 Resp: 171653

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	17.5	13.8	20.6



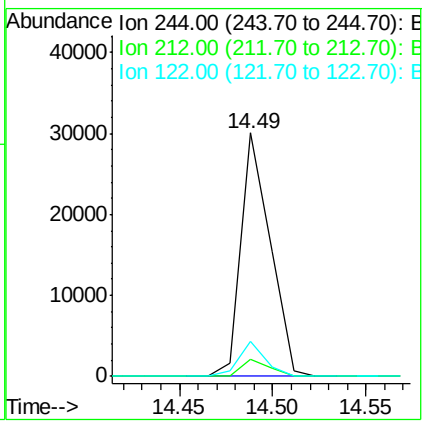


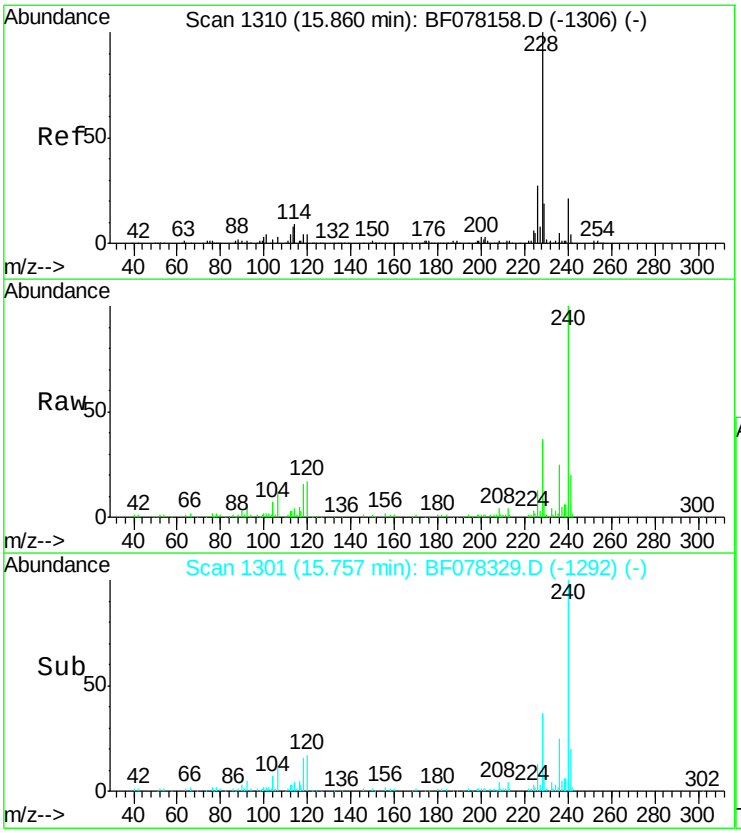
#78
Terphenyl-d14
Concen: 4.52 ng
RT: 14.49 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:244 Resp: 32764

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.0	7.4
122	14.3	7.1	10.7#

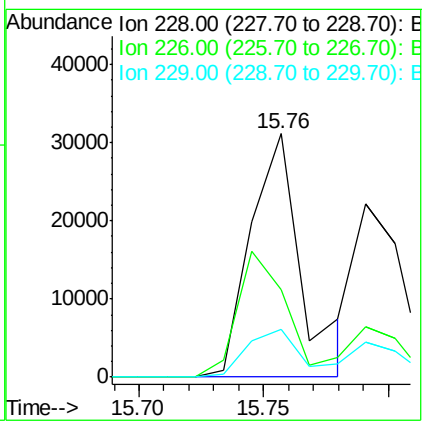


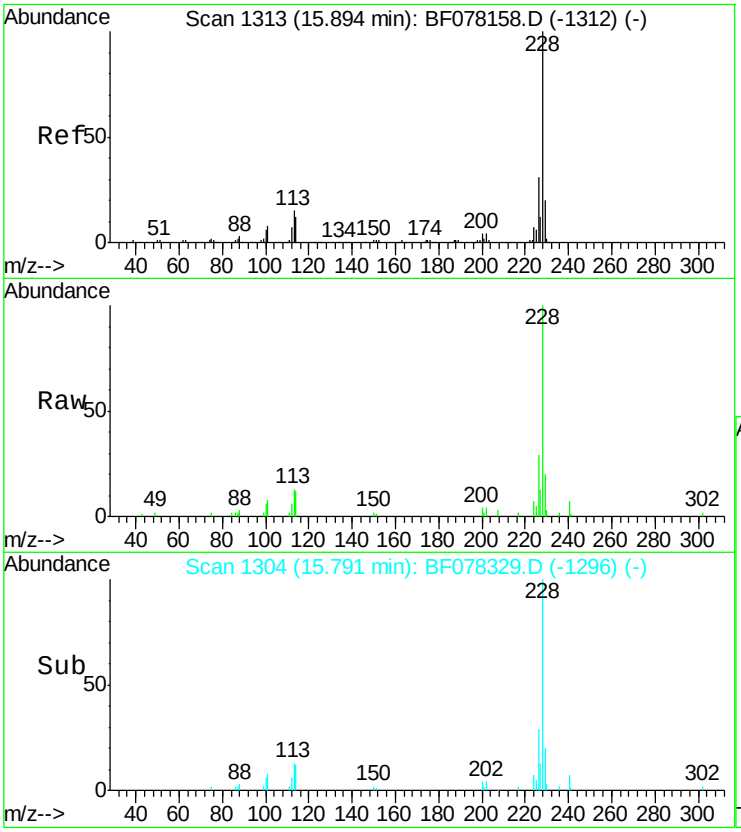


#80
Benzo(a)anthracene
Concen: 4.51 ng m
RT: 15.76 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:228 Resp: 43896

Ion	Ratio	Lower	Upper
228	100		
226	35.8	21.3	31.9#
229	19.5	15.4	23.2



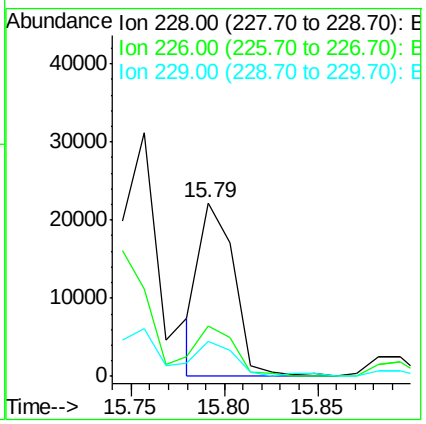


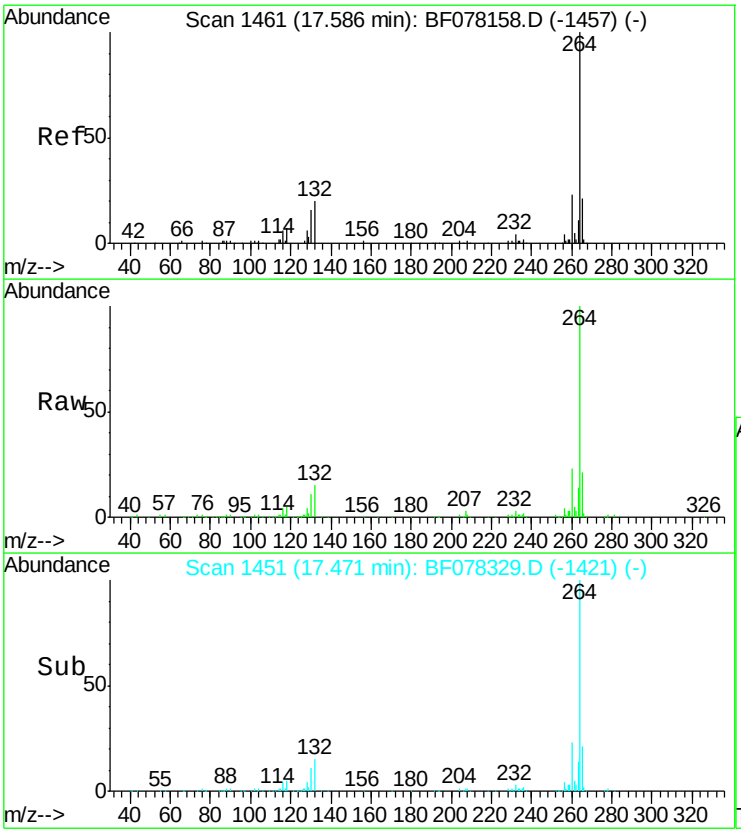
#82
Chrysene
Concen: 3.14 ng
RT: 15.79 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:228 Resp: 28753

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.4
229	20.3	15.8	23.8

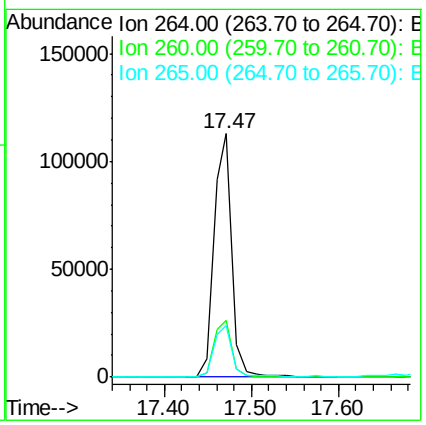


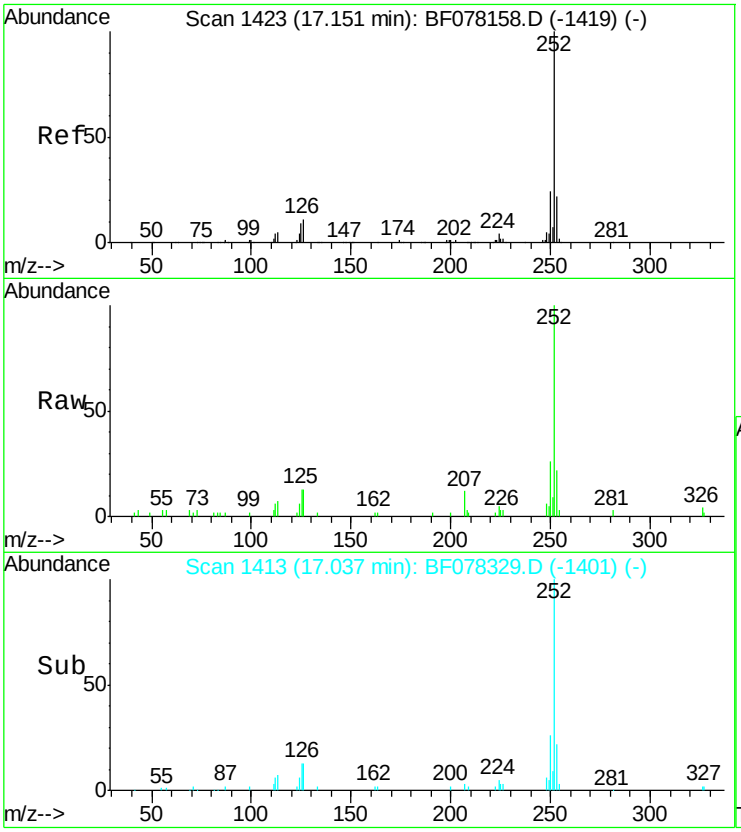


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.05 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:264 Resp: 160599

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.2	17.0	25.6



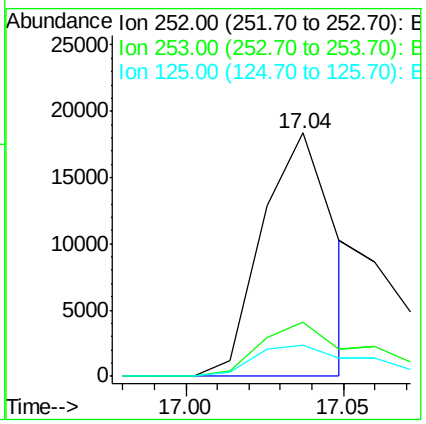


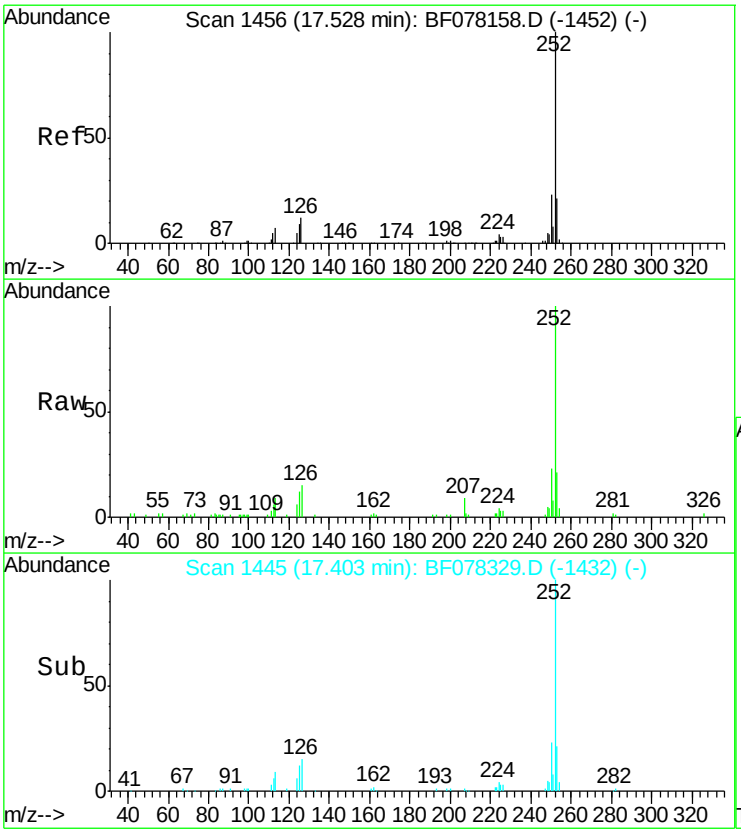
#87
Benzo(b)fluoranthene
Concen: 2.95 ng m
RT: 17.04 min Scan# 1413
Delta R.T. 0.03 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:252 Resp: 29262

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	13.0	7.0	10.4#

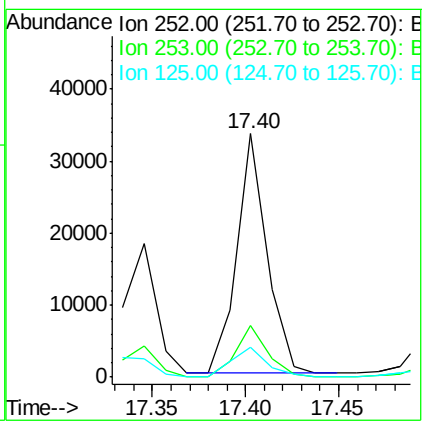


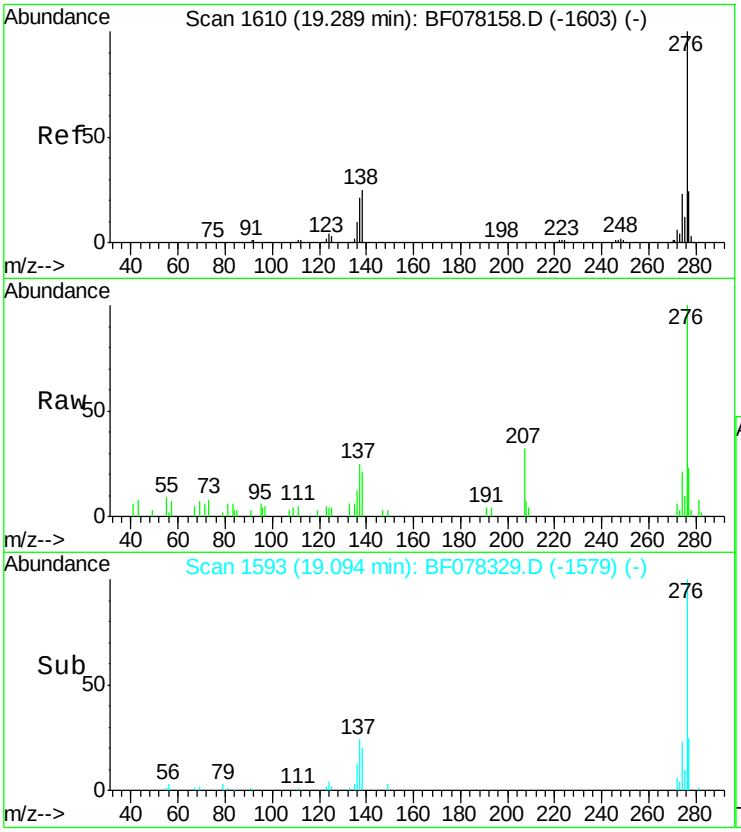


#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 17.40 min Scan# 1445
Delta R.T. 0.05 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Tgt Ion:252 Resp: 37503

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.8	25.2
125	12.0	7.4	11.0#





#91
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 19.09 min Scan# 1593
Delta R.T. 0.06 min
Lab File: BF078329.D
Acq: 8 Apr 2015 8:27

Instrument :
BNA_F
ClientSampleId :
SB-2DDL

Tgt Ion:276 Resp: 22962

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	21.4	19.9	29.9