Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
Data File : BF079247.D
Acq On : 14 May 2015 22:39
Operator : TP/IZ
Sample : G2215-10 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-38D

Quant Time: May 15 03:44:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 02:17:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	38852	20.00	ng		0.00
21) Naphthalene-d8	8.79	136	165880	20.00	ng		-0.01
38) Acenaphthene-d10	10.97	164	80867	20.00	ng		0.00
63) Phenanthrene-d10	12.81	188	164765	20.00	ng		0.00
75) Chrysene-d12	16.10	240	186116	20.00	ng		-0.14
86) Perylene-d12	17.86	264	210099	20.00	ng		-0.43
System Monitoring Compounds							
5) 2-Fluorophenol	5.51	112	148087m	65.61	ng		0.00
7) Phenol-d6	6.79	99	185353	62.13	ng		0.00
23) Nitrobenzene-d5	7.91	82	102545	35.53	ng		0.00
41) 2,4,6-Tribromophenol	11.95	330	48165	55.06	ng		0.00
44) 2-Fluorobiphenyl	10.14	172	167703	28.89	ng		-0.01
78) Terphenyl-d14	14.81	244	183532m	23.61	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.82	128	75128	9.51	ng		98
37) 2-Methylnaphthalene	9.68	142	19354	3.53	ng		96
48) Acenaphthylene	10.79	152	42141	5.12	ng		98
49) Dimethylphthalate	10.65	163	15544	2.62	ng		97
51) Acenaphthene	11.00	154	34024	6.93	ng		99
54) Dibenzofuran	11.22	168	49171	6.93	ng		94
57) Fluorene	11.65	166	50409	8.66	ng		99
70) Phenanthrene	12.85	178	719915	78.10	ng		100
71) Anthracene	12.90	178	173495	19.19	ng		98
72) Carbazole	13.11	167	70183	8.14	ng		98
74) Fluoranthene	14.32	202	759881	79.11	ng		99
77) Pyrene	14.61	202	733613m	68.40	ng		
80) Benzo(a)anthracene	16.09	228	368423	36.15	ng		96
82) Chrysene	16.14	228	314493	32.08	ng		98
85) Indeno(1,2,3-cd)pyrene	19.29	276	232743m	18.63	ng		
87) Benzo(b)fluoranthene	17.42	252	471002m	40.96	ng		
88) Benzo(k)fluoranthene	17.44	252	93248m	8.38	ng		
89) Benzo(a)pyrene	17.81	252	323994	30.60	ng		99
90) Dibenzo(a,h)anthracene	19.31	278	51192m	4.55	ng		
91) Benzo(g,h,i)perylene	19.71	276	223681	19.83	ng	#	93

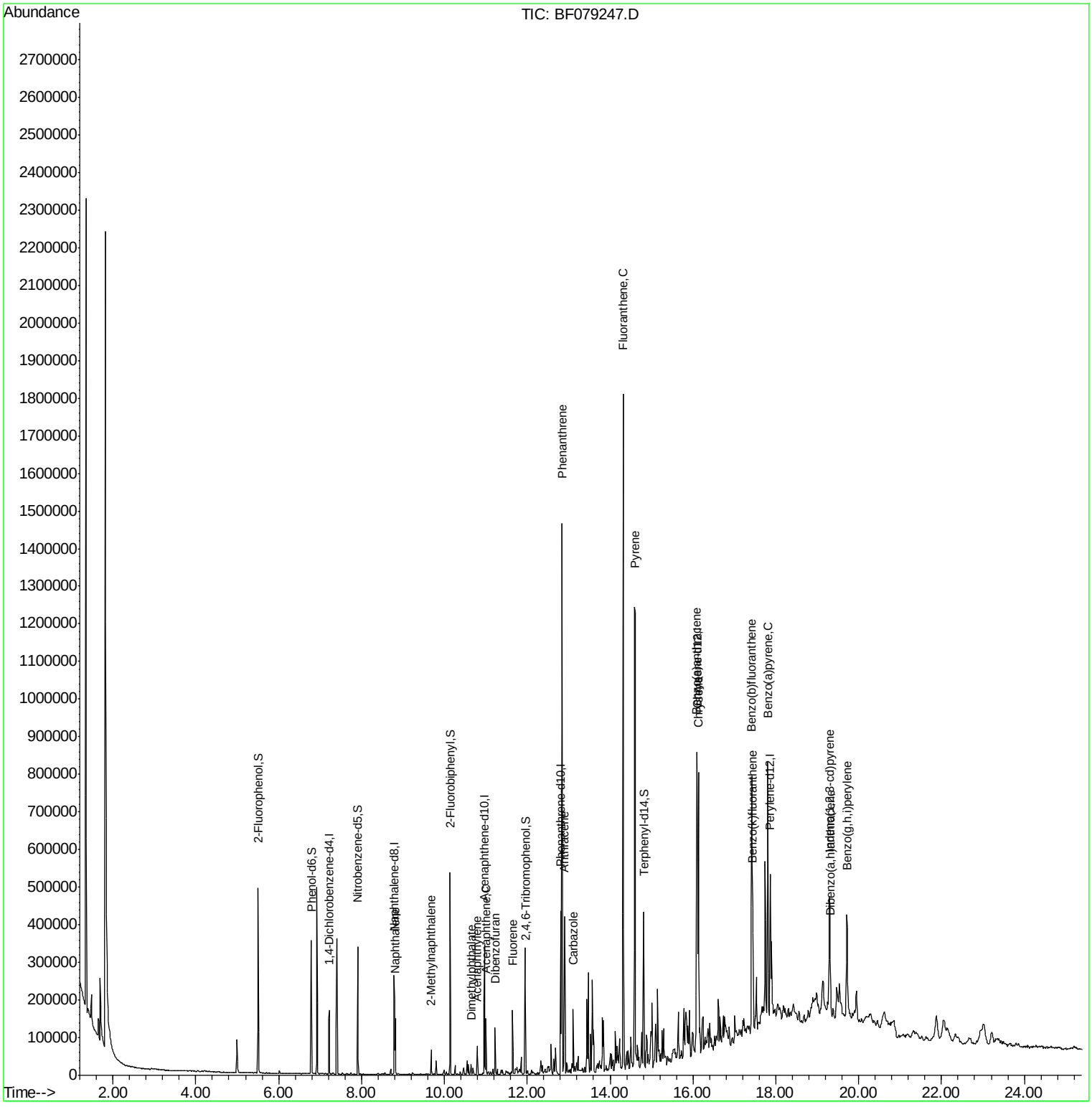
(#) = qualifier out of range (m) = manual integration (+) = signals summed

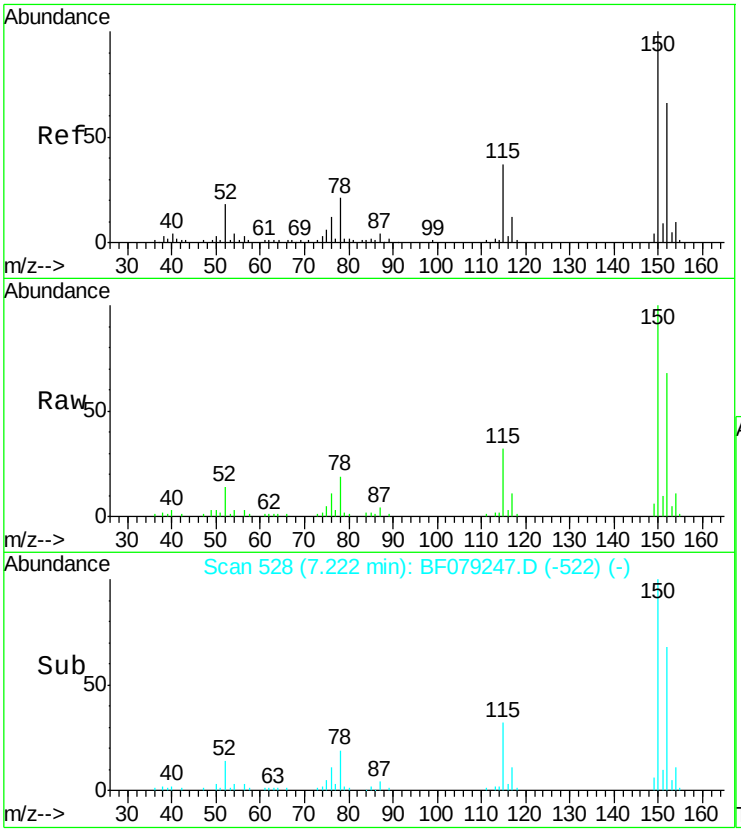
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
Data File : BF079247.D
Acq On : 14 May 2015 22:39
Operator : TP/IZ
Sample : G2215-10 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-38D

Quant Time: May 15 03:44:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 02:17:41 2015
Response via : Initial Calibration



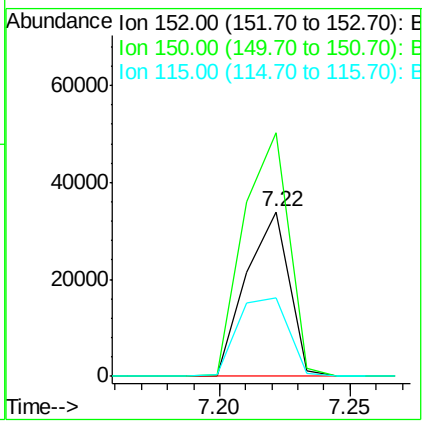


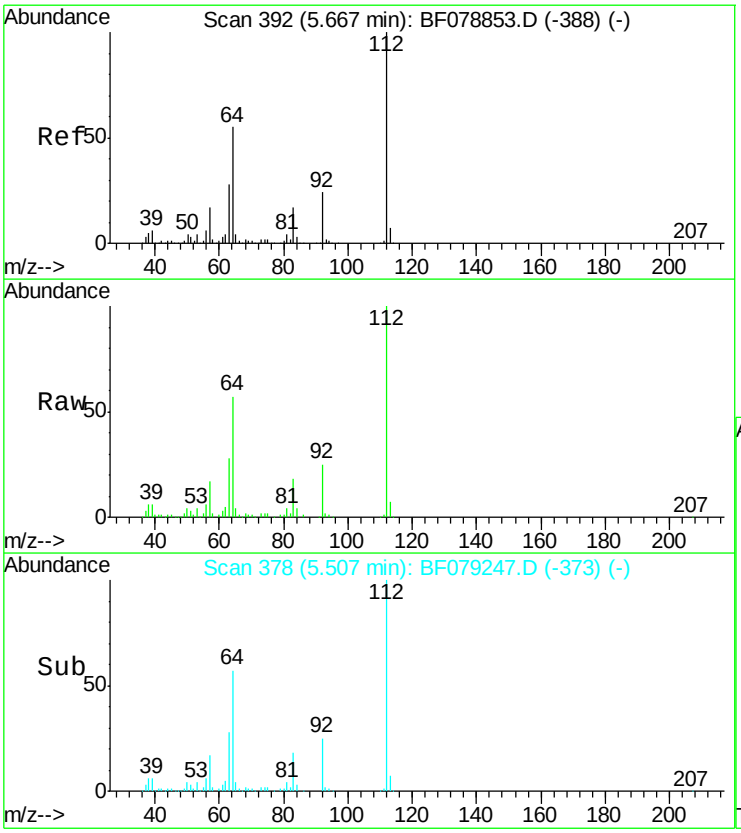
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:152 Resp: 38852

Ion	Ratio	Lower	Upper
152	100		
150	148.1	123.8	185.8
115	47.5	49.4	74.0#

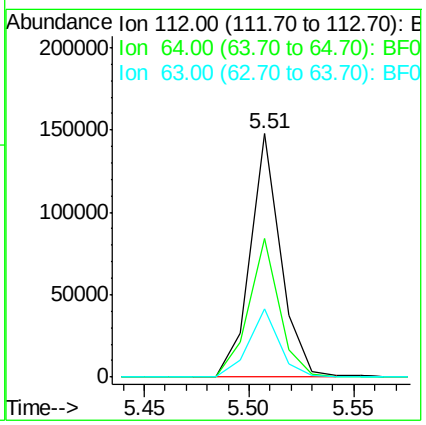


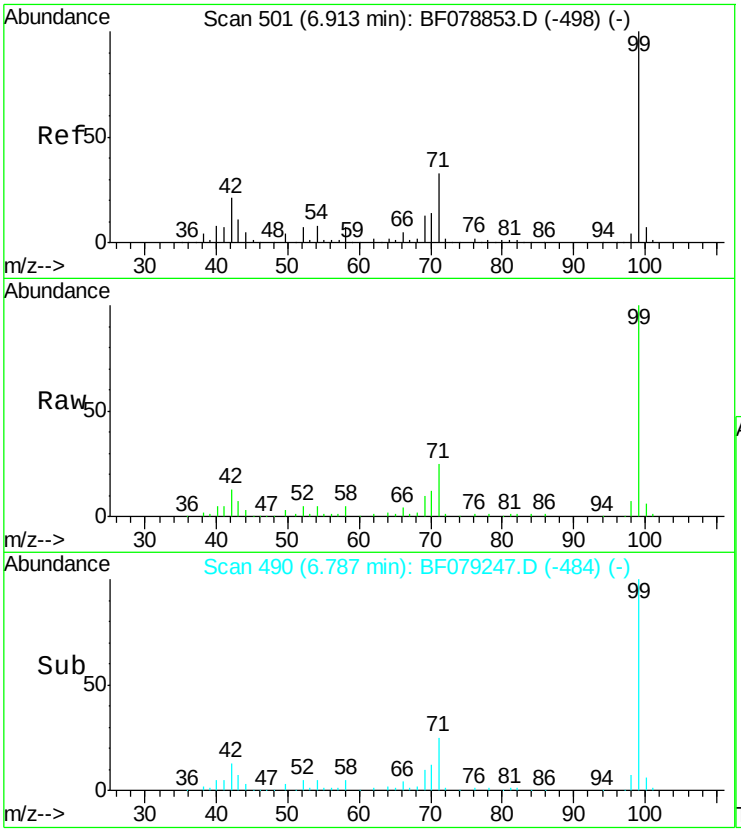


#5
2-Fluorophenol
Concen: 65.61 ng m
RT: 5.51 min Scan# 378
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:112 Resp: 148087

Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.2	66.2
63	28.1	22.7	34.1



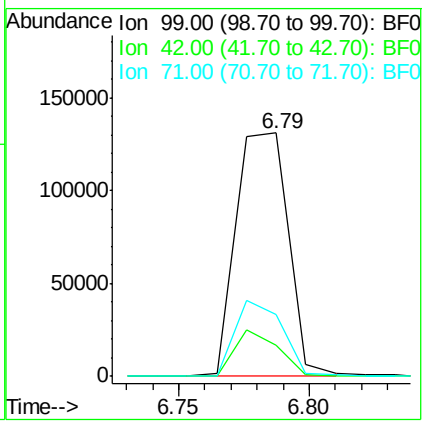


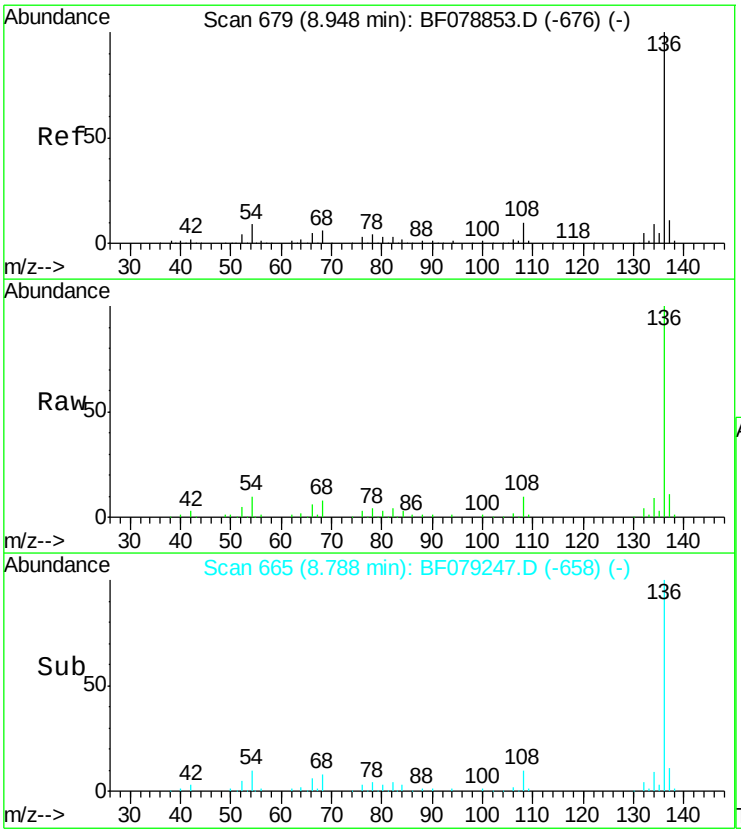
#7
Phenol-d6
Concen: 62.13 ng
RT: 6.79 min Scan# 490
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion: 99 Resp: 185353

Ion	Ratio	Lower	Upper
99	100		
42	12.6	17.1	25.7#
71	25.2	26.3	39.5#

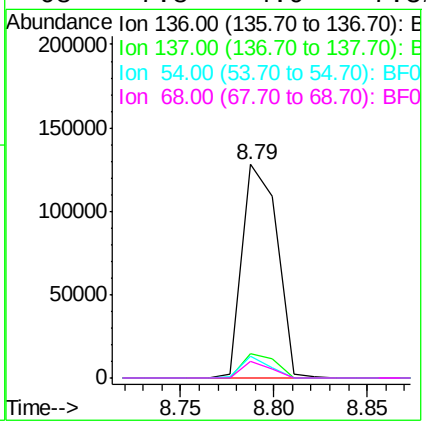


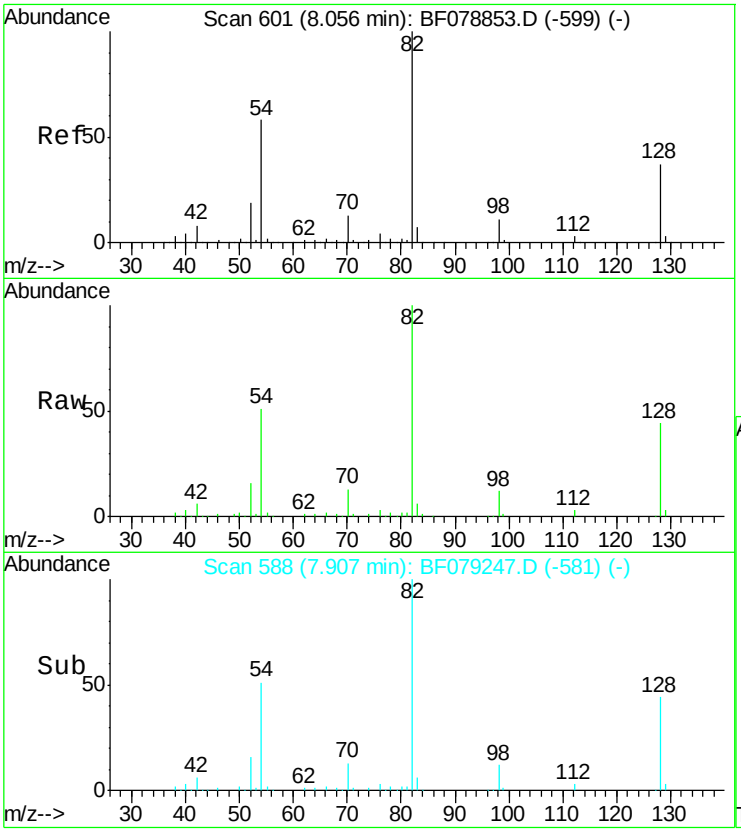


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.79 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:136 Resp: 165880

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.1	6.9	10.3
68	7.8	4.9	7.3#



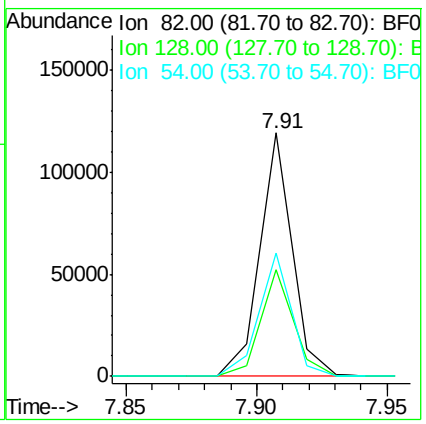


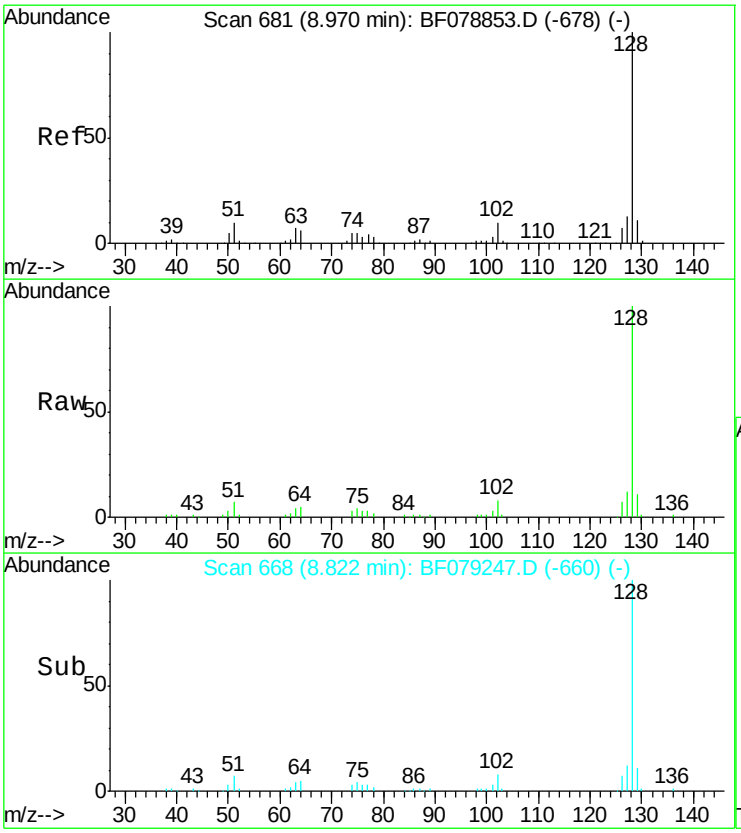
#23
Nitrobenzene-d5
Concen: 35.53 ng
RT: 7.91 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion: 82 Resp: 102545

Ion	Ratio	Lower	Upper
82	100		
128	44.0	29.7	44.5
54	50.7	46.2	69.4

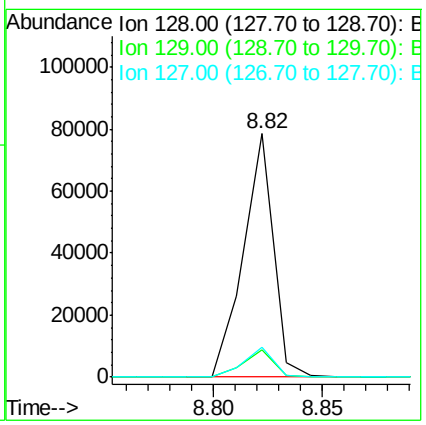


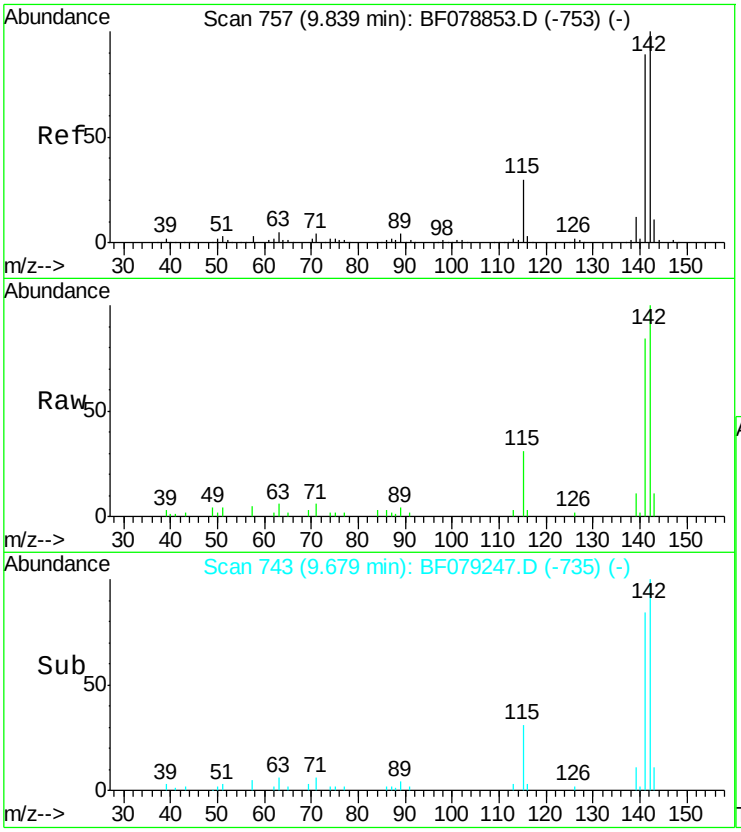


#31
Naphthalene
Concen: 9.51 ng
RT: 8.82 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:128 Resp: 75128

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	12.0	10.3	15.5



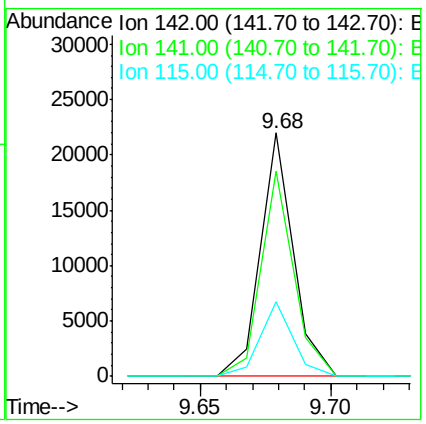


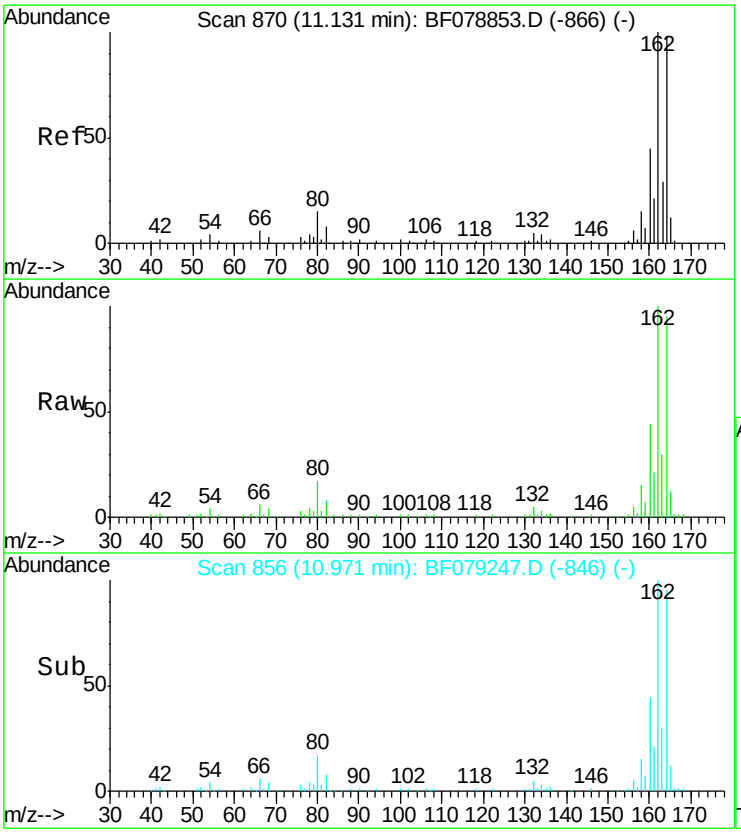
#37
2-Methylnaphthalene
Concen: 3.53 ng
RT: 9.68 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:142 Resp: 19354

Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.6	107.4
115	30.6	24.2	36.4

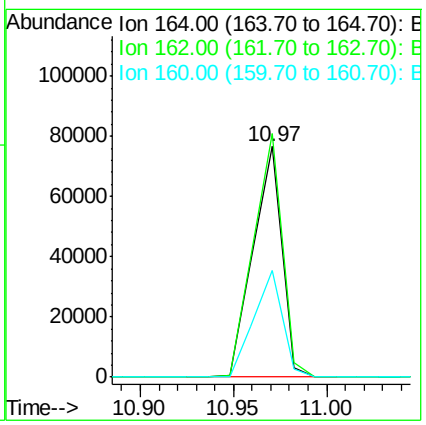


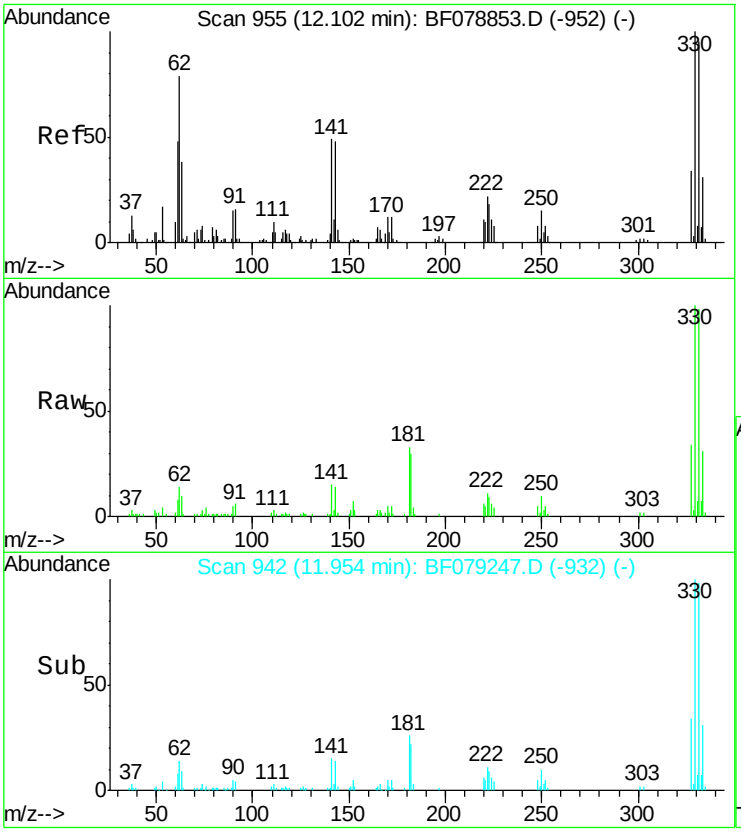


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:164 Resp: 80867

Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.4	122.0
160	46.4	36.6	54.8



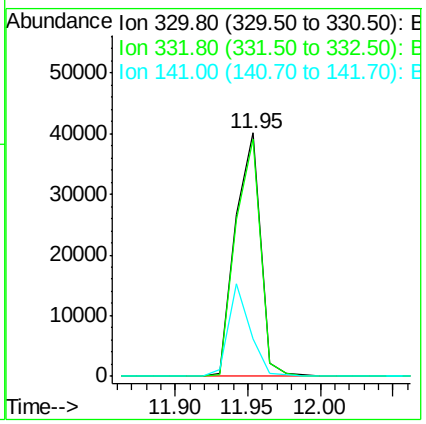


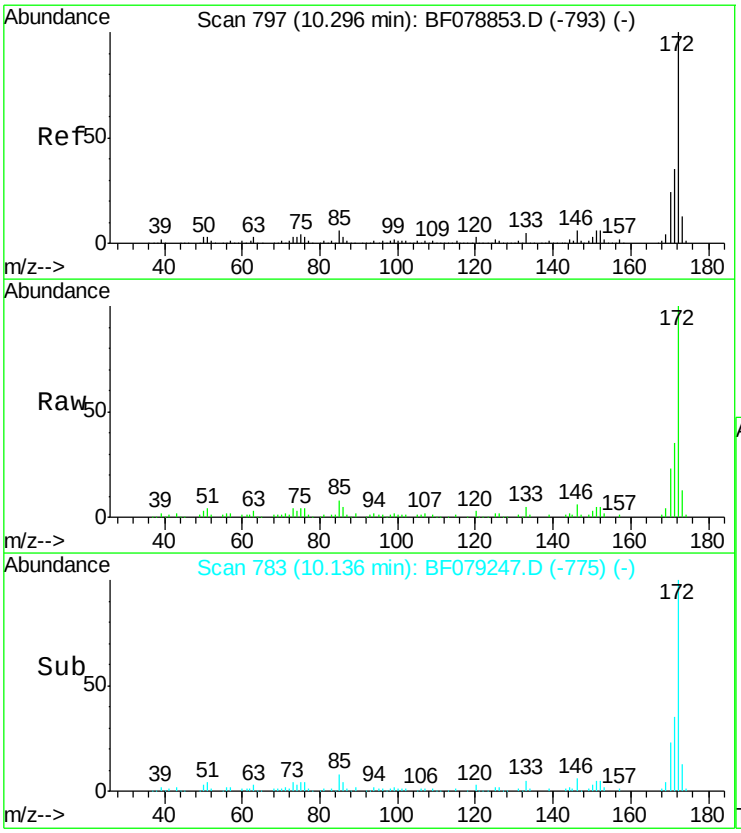
#41
2,4,6-Tribromophenol
Concen: 55.06 ng
RT: 11.95 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:330 Resp: 48165

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	33.1	27.8	41.8

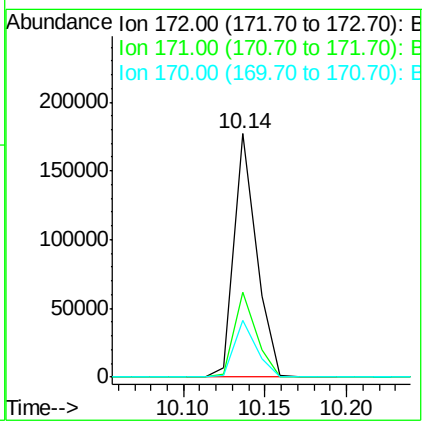


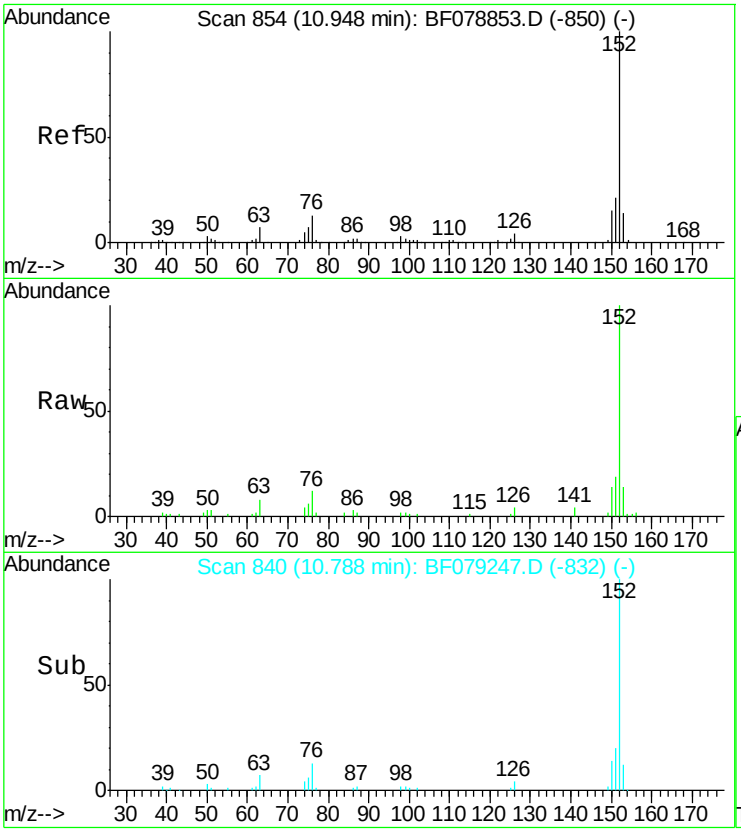


#44
2-Fluorobiphenyl
Concen: 28.89 ng
RT: 10.14 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:172 Resp: 167703

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	23.2	19.4	29.2



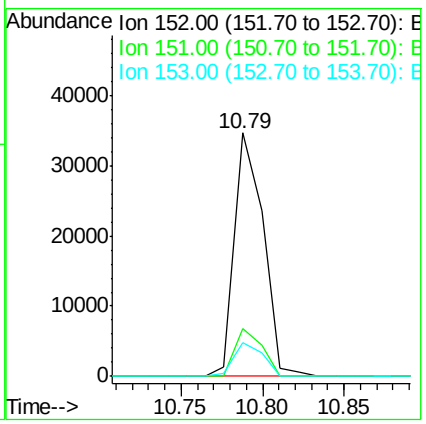


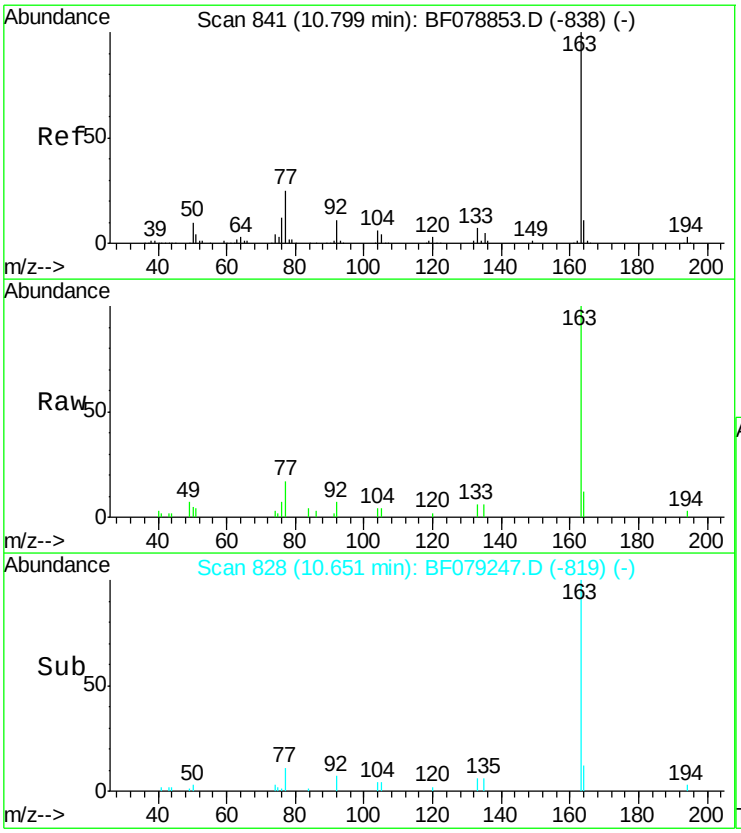
#48
Acenaphthylene
Concen: 5.12 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:152 Resp: 42141

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.6	24.8
153	13.7	11.0	16.6

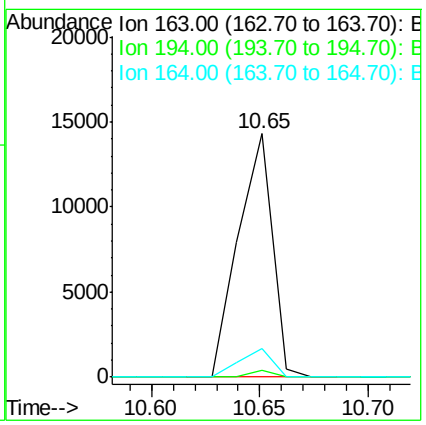


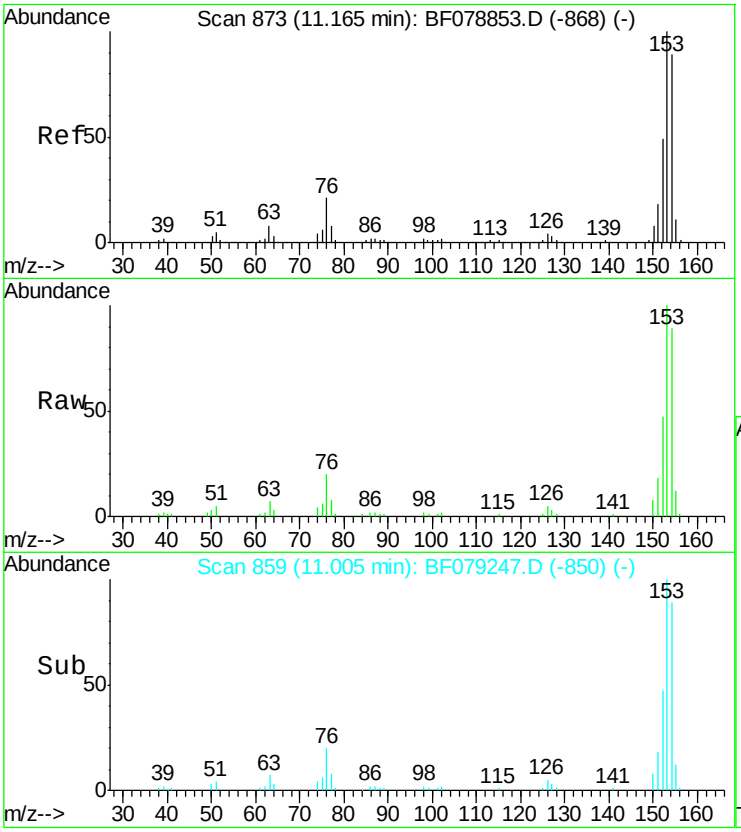


#49
Dimethylphthalate
Concen: 2.62 ng
RT: 10.65 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:163 Resp: 15544

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.4	3.6
164	11.9	8.6	12.8



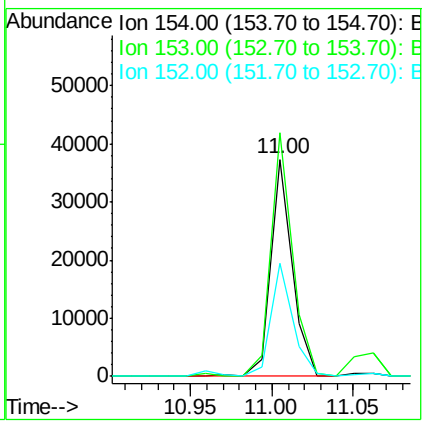


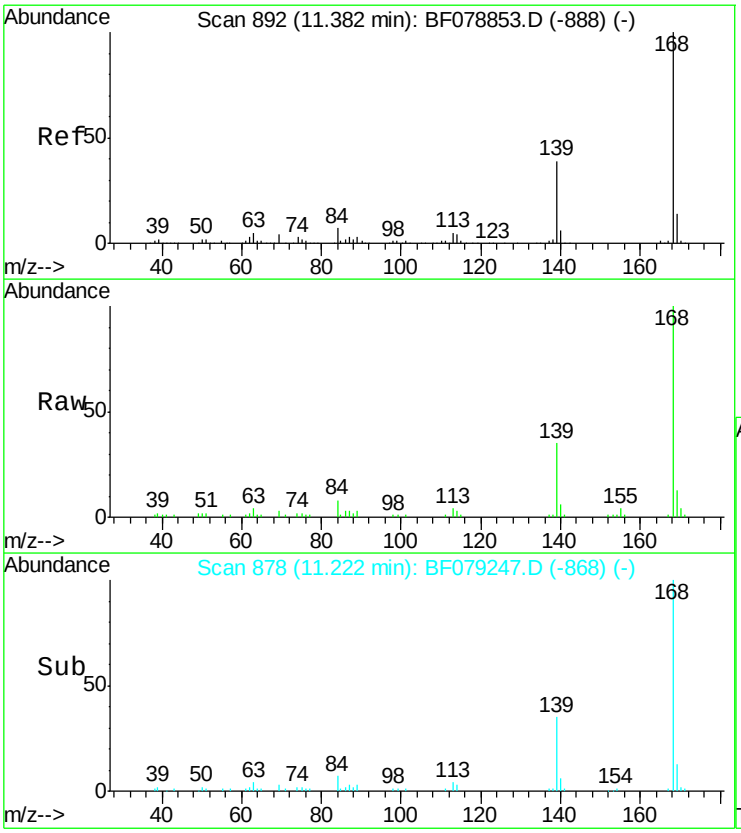
#51
Acenaphthene
Concen: 6.93 ng
RT: 11.00 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:154 Resp: 34024

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.2	135.2
152	52.3	43.8	65.8

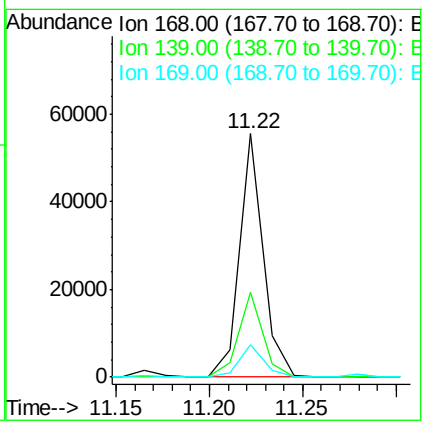


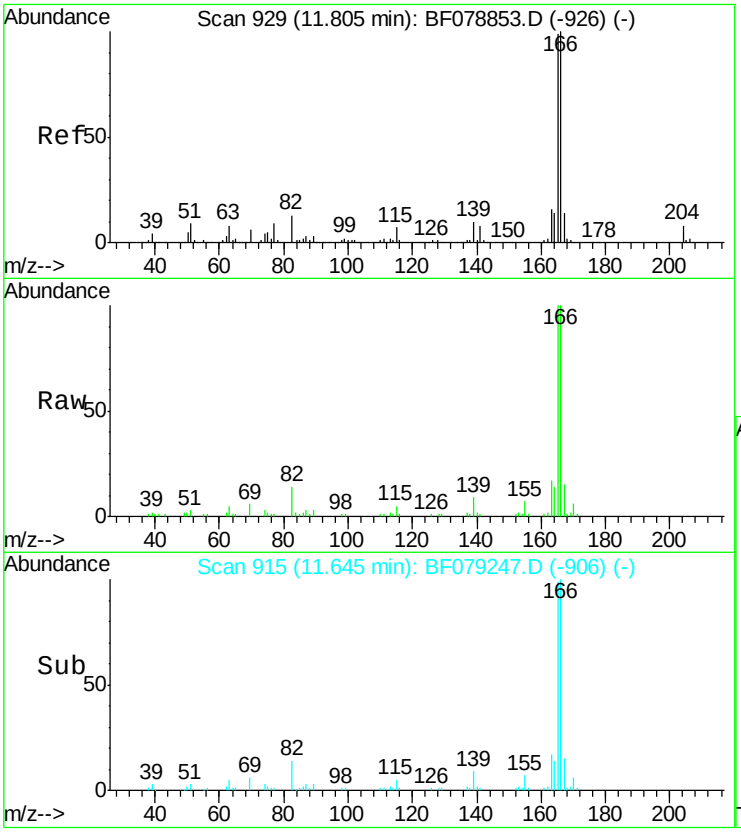


#54
Dibenzofuran
Concen: 6.93 ng
RT: 11.22 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:168 Resp: 49171

Ion	Ratio	Lower	Upper
168	100		
139	35.1	31.5	47.3
169	13.1	11.0	16.4



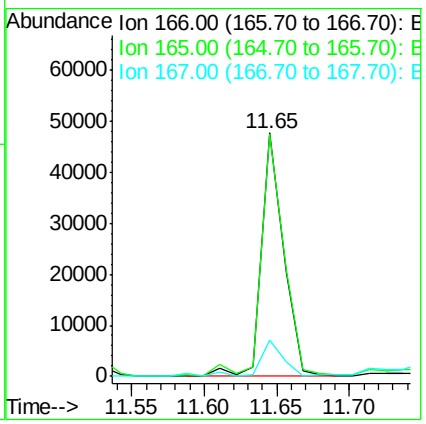


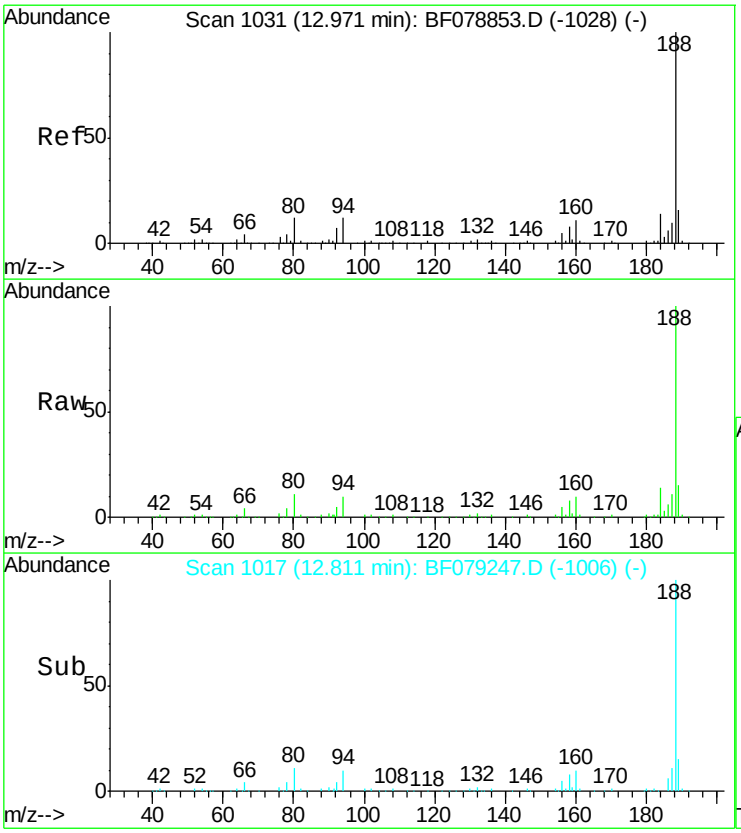
#57
Fluorene
Concen: 8.66 ng
RT: 11.65 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:166 Resp: 50409

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.5	119.3
167	15.0	11.0	16.6

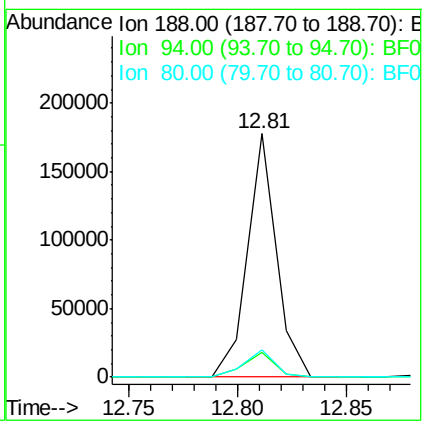


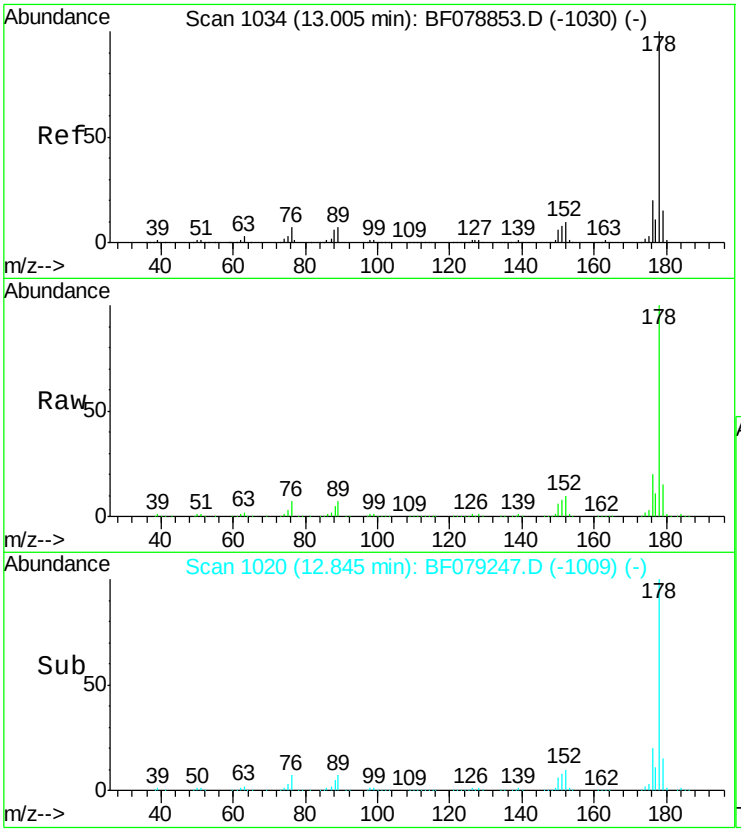


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:188 Resp: 164765

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.0
80	11.0	9.8	14.6



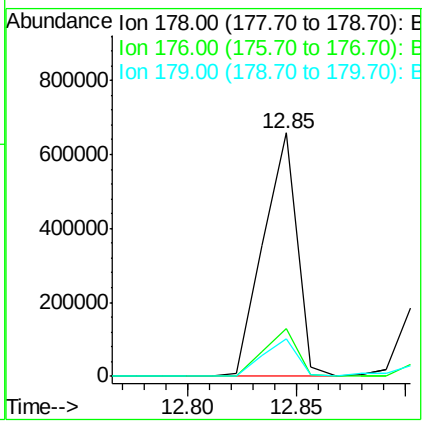


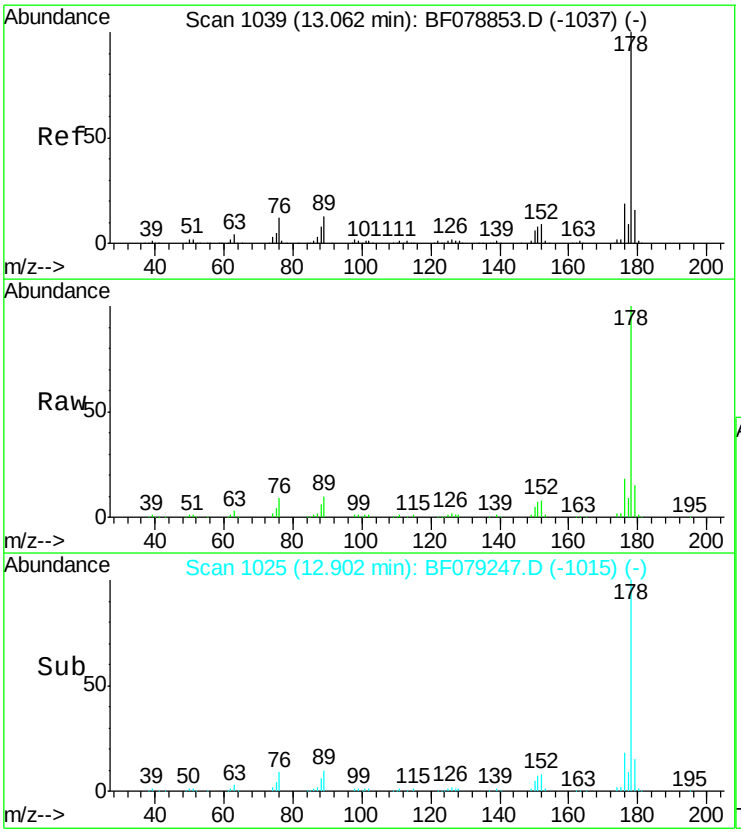
#70
Phenanthrene
Concen: 78.10 ng
RT: 12.85 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:178 Resp: 719915

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.3	12.2	18.4

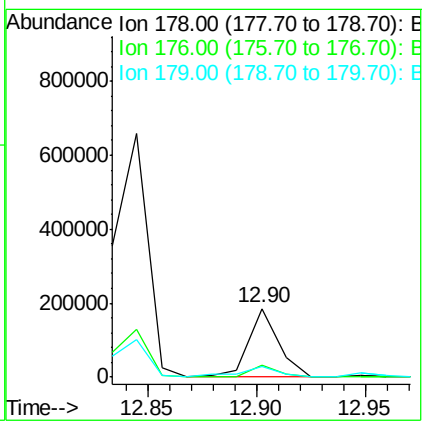


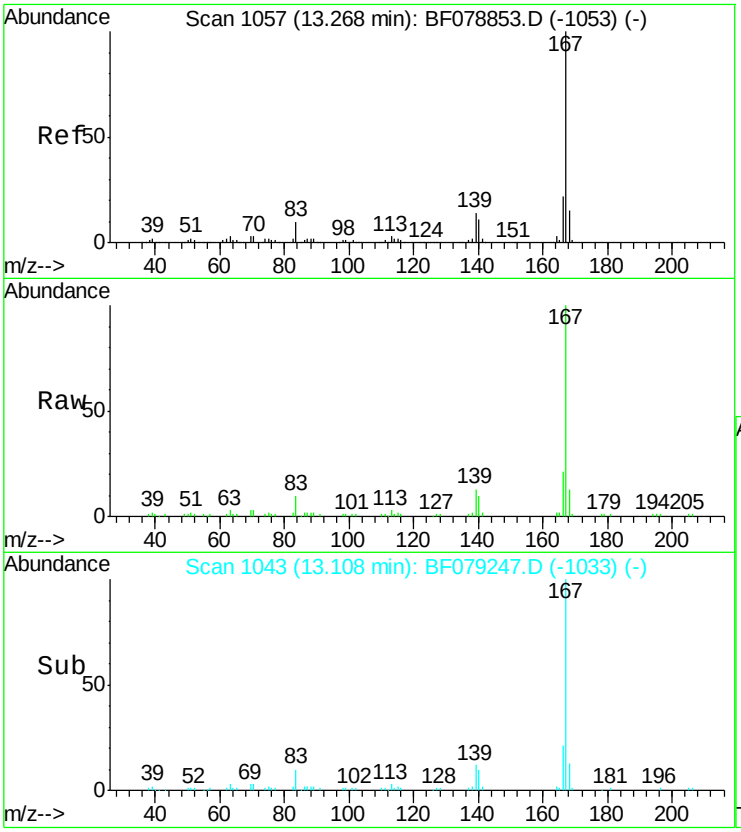


#71
Anthracene
Concen: 19.19 ng
RT: 12.90 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:178 Resp: 173495

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	14.8	12.6	19.0



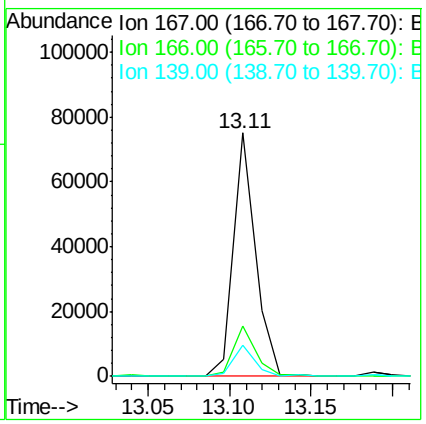


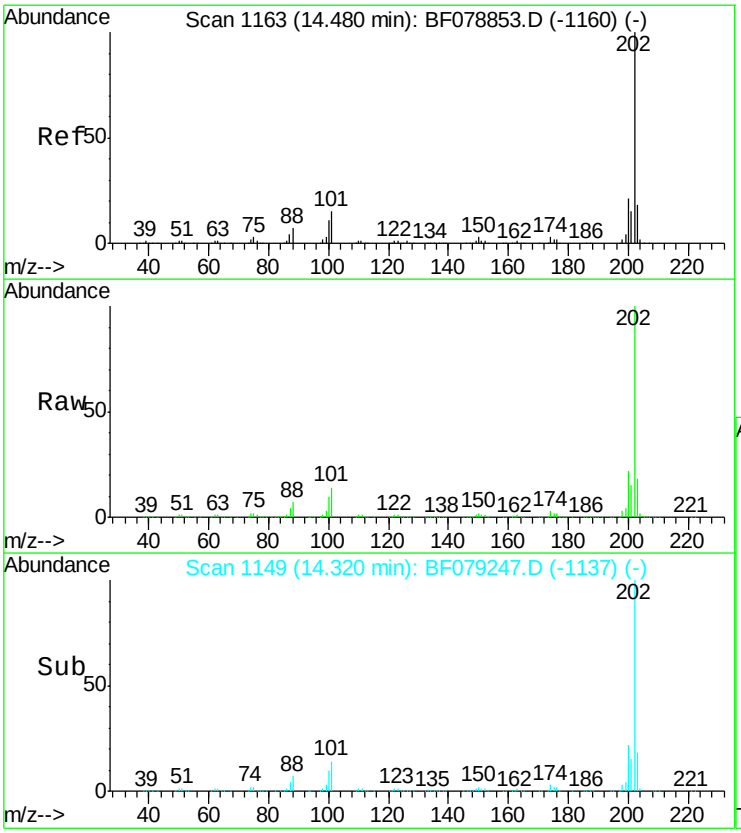
#72
Carbazole
Concen: 8.14 ng
RT: 13.11 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:167 Resp: 70183

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.5	26.3
139	13.0	11.0	16.4

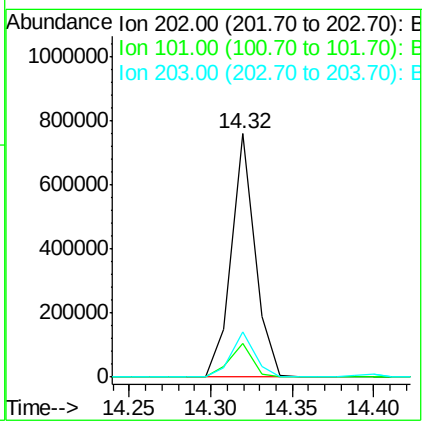


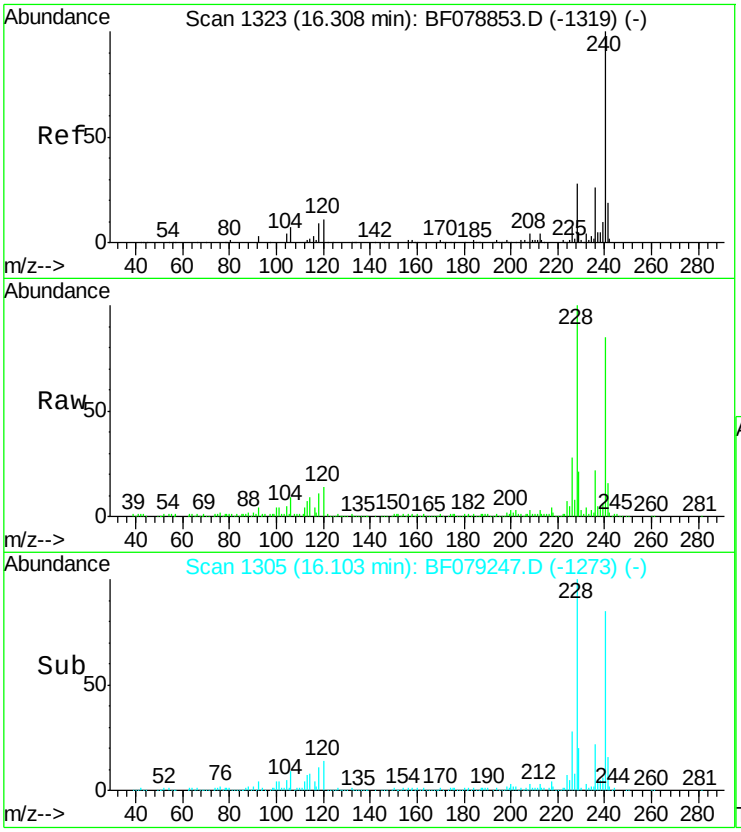


#74
Fluoranthene
Concen: 79.11 ng
RT: 14.32 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:202 Resp: 759881

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.7
203	18.4	0.0	37.9



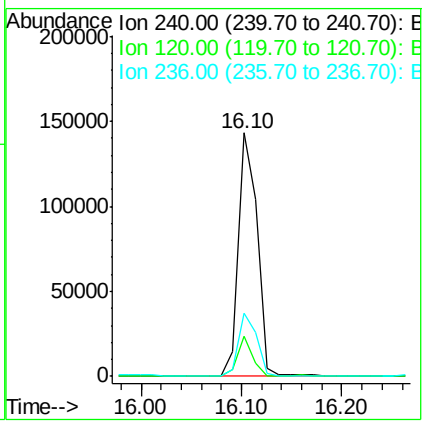


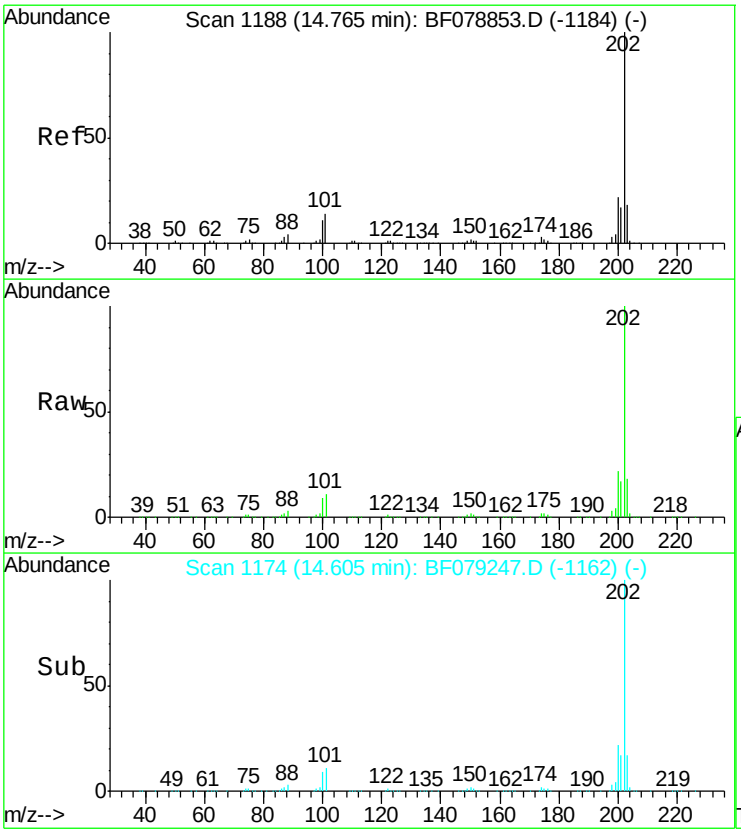
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 1305
Delta R.T. -0.14 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:240 Resp: 186116

Ion	Ratio	Lower	Upper
240	100		
120	16.5	8.6	12.8#
236	25.9	21.0	31.6

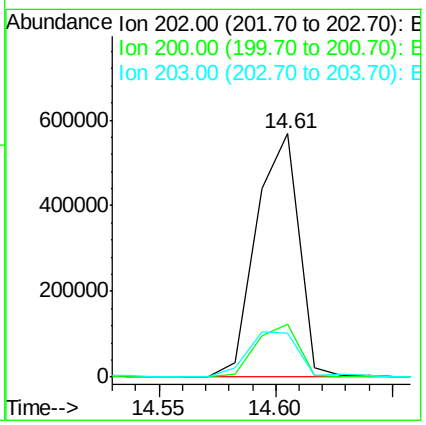


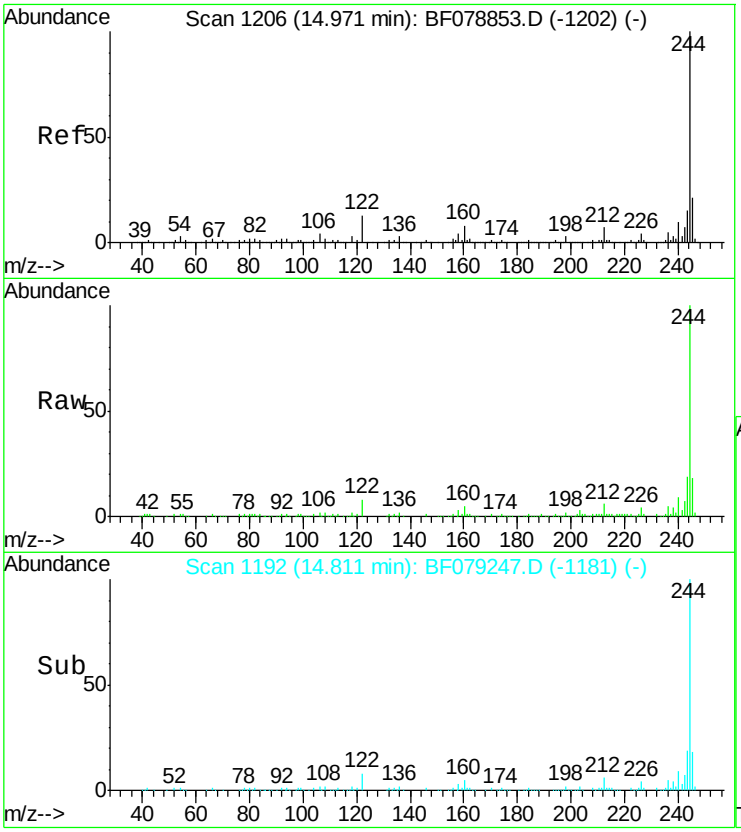


#77
Pyrene
Concen: 68.40 ng m
RT: 14.61 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:202 Resp: 733613

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3
203	17.8	14.7	22.1



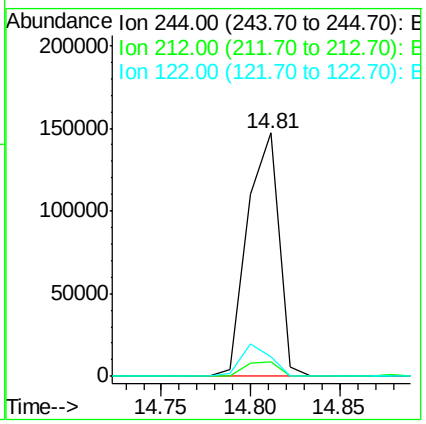


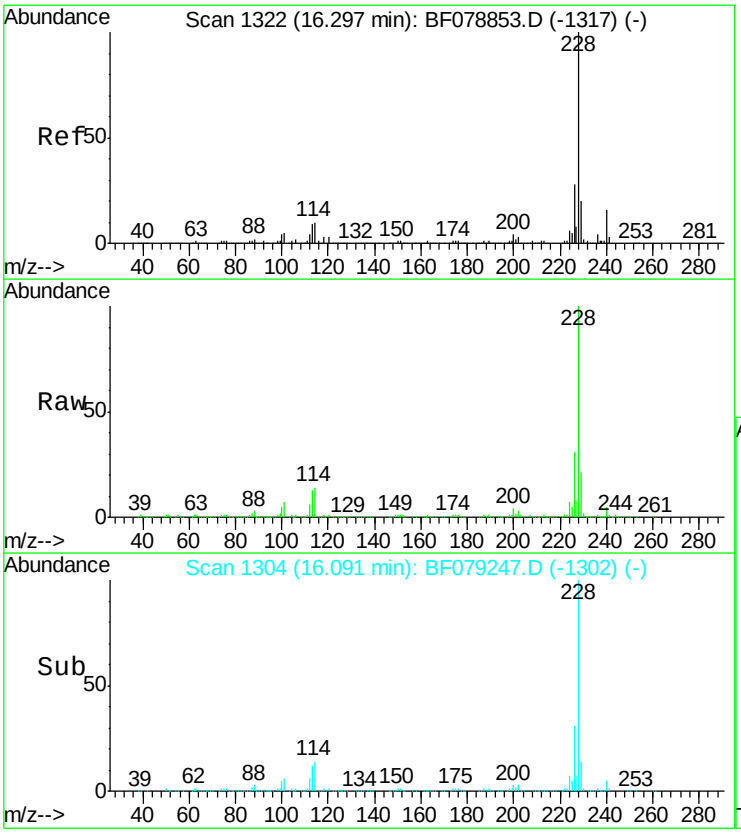
#78
Terphenyl-d14
Concen: 23.61 ng m
RT: 14.81 min Scan# 1192
Delta R.T. -0.02 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:244 Resp: 183532

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.6	8.4
122	7.8	10.5	15.7#

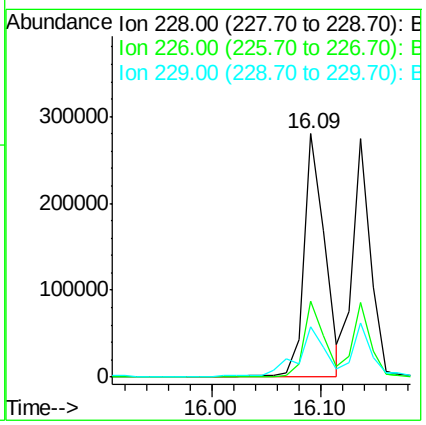


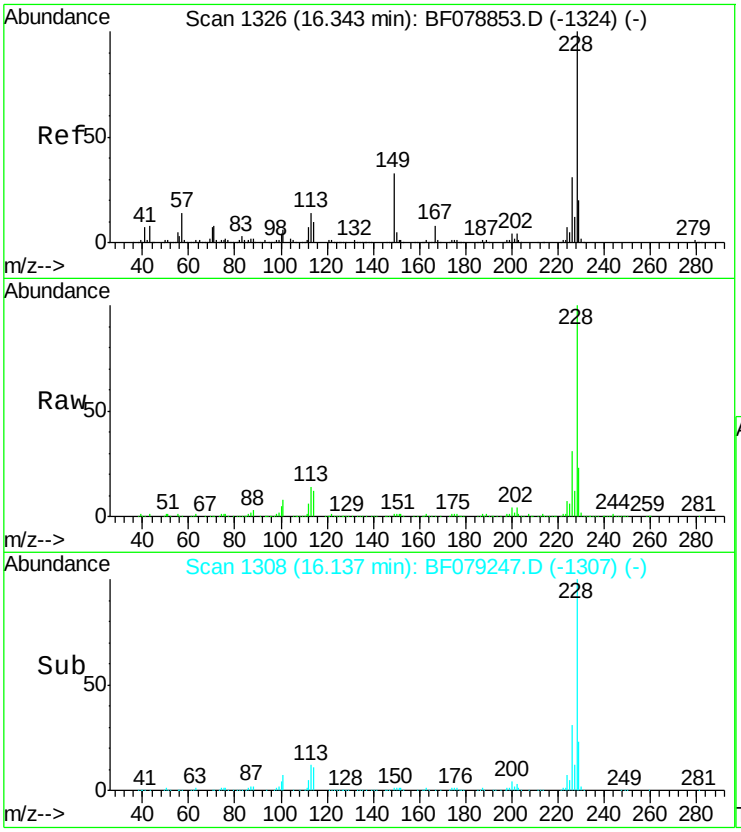


#80
Benzo(a)anthracene
Concen: 36.15 ng
RT: 16.09 min Scan# 1304
Delta R.T. -0.14 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:228 Resp: 368423

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	20.8	16.1	24.1



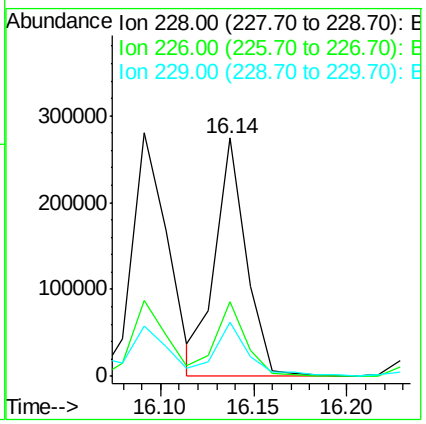


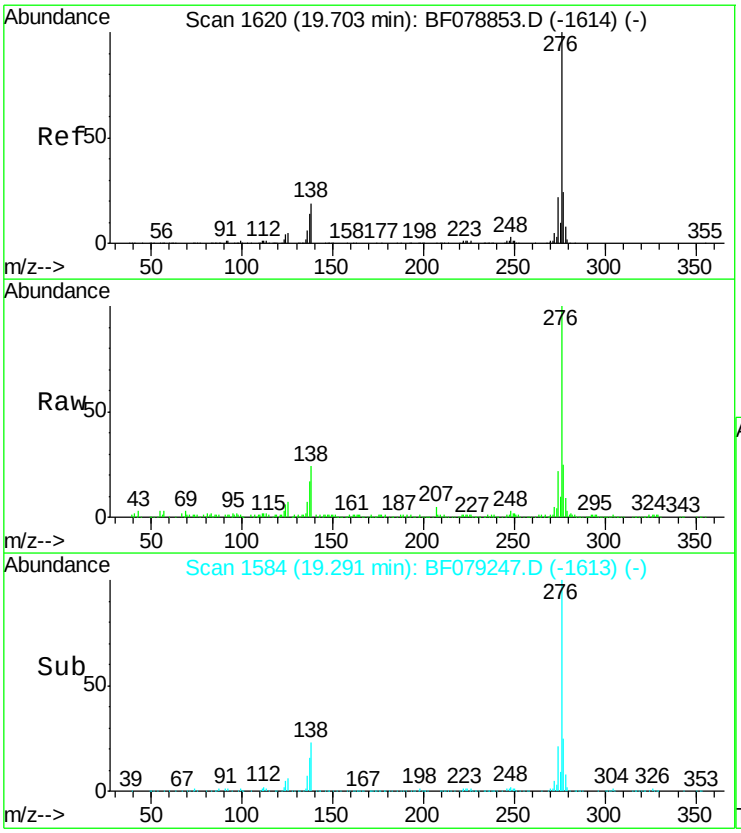
#82
Chrysene
Concen: 32.08 ng
RT: 16.14 min Scan# 1308
Delta R.T. -0.15 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:228 Resp: 314493

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.6	16.1	24.1

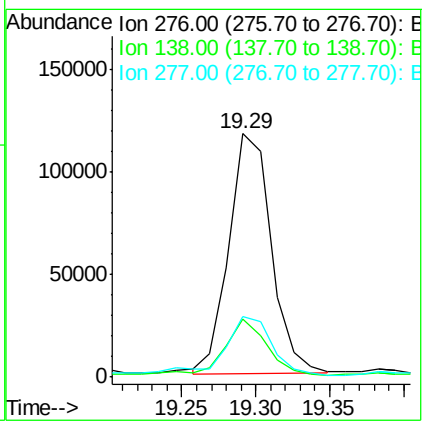


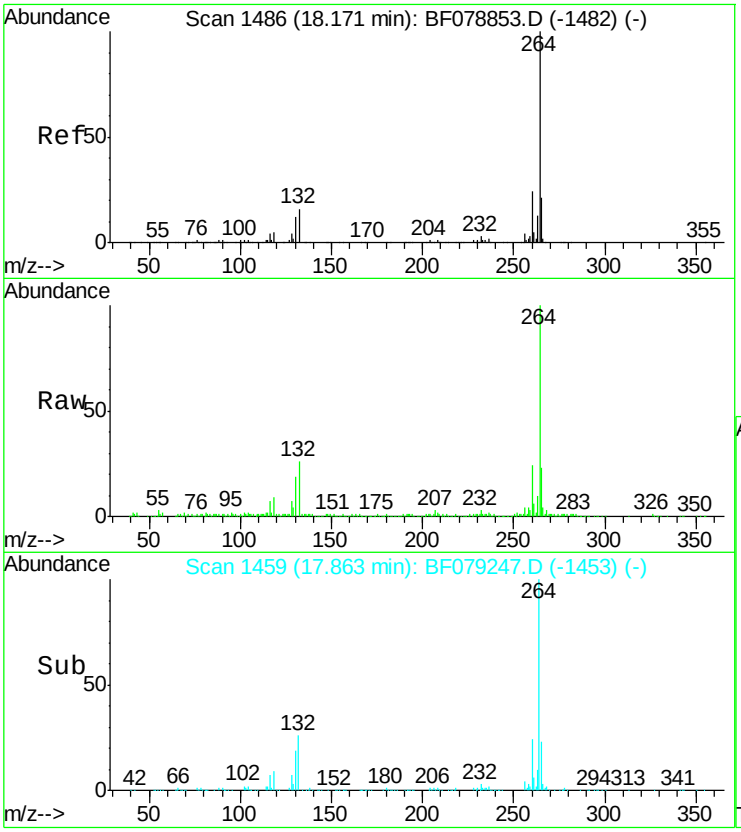


#85
Indeno(1,2,3-cd)pyrene
Concen: 18.63 ng m
RT: 19.29 min Scan# 1584
Delta R.T. -0.54 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:276 Resp: 232743

Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.1	31.7
277	23.6	19.9	29.9



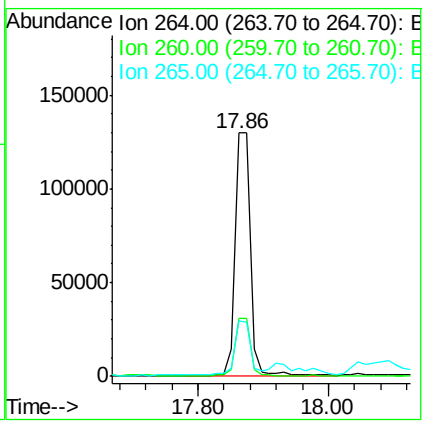


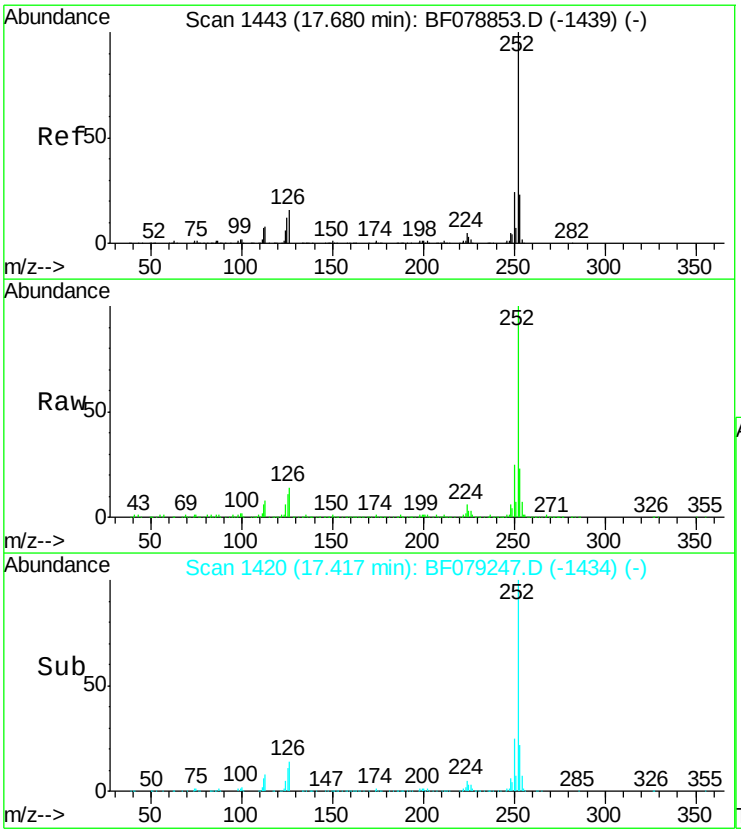
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.86 min Scan# 1459
Delta R.T. -0.43 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:264 Resp: 210099

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.9	17.2	25.8

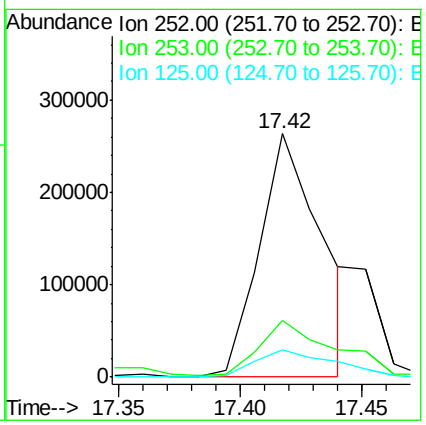


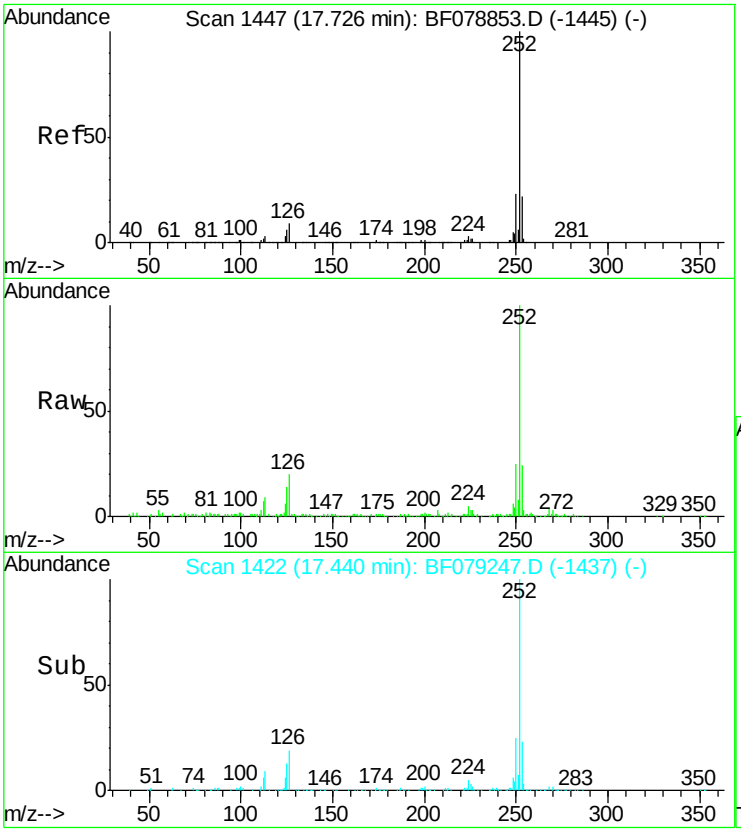


#87
Benzo(b)fluoranthene
Concen: 40.96 ng m
RT: 17.42 min Scan# 1420
Delta R.T. -0.34 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:252 Resp: 471002

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.4	9.4	14.2



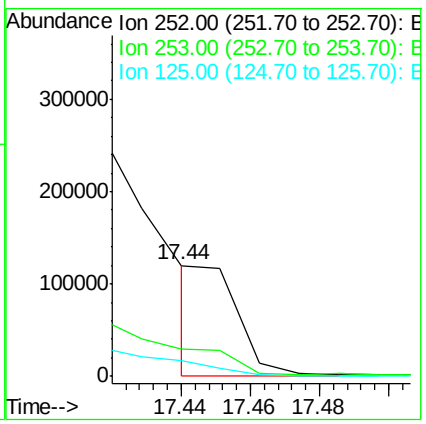


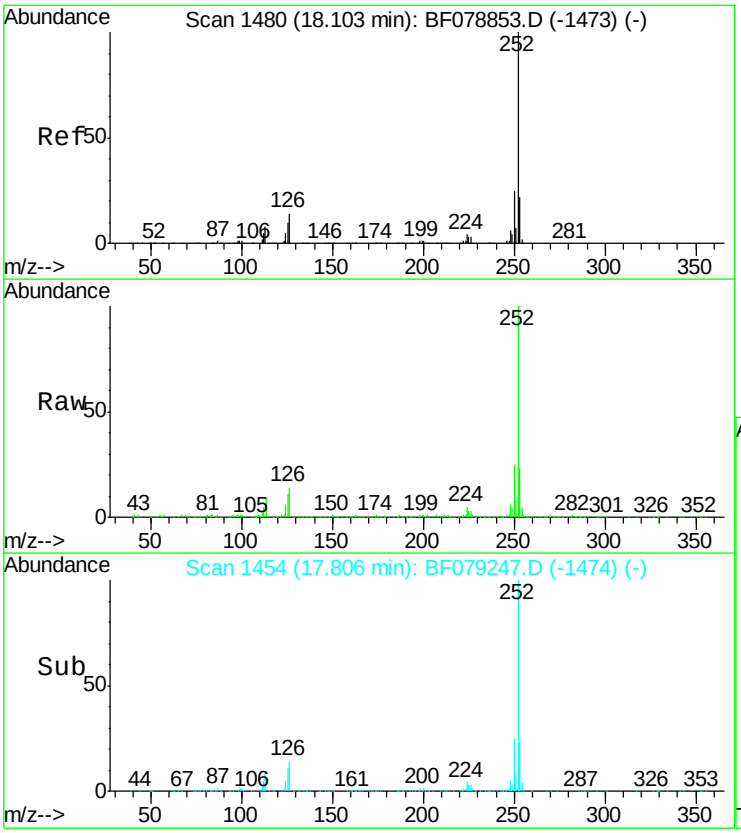
#88
Benzo(k)fluoranthene
Concen: 8.38 ng m
RT: 17.44 min Scan# 1422
Delta R.T. -0.35 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:252 Resp: 93248

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	13.8	6.1	9.1#

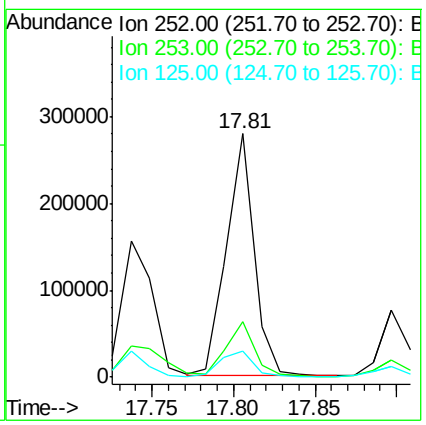


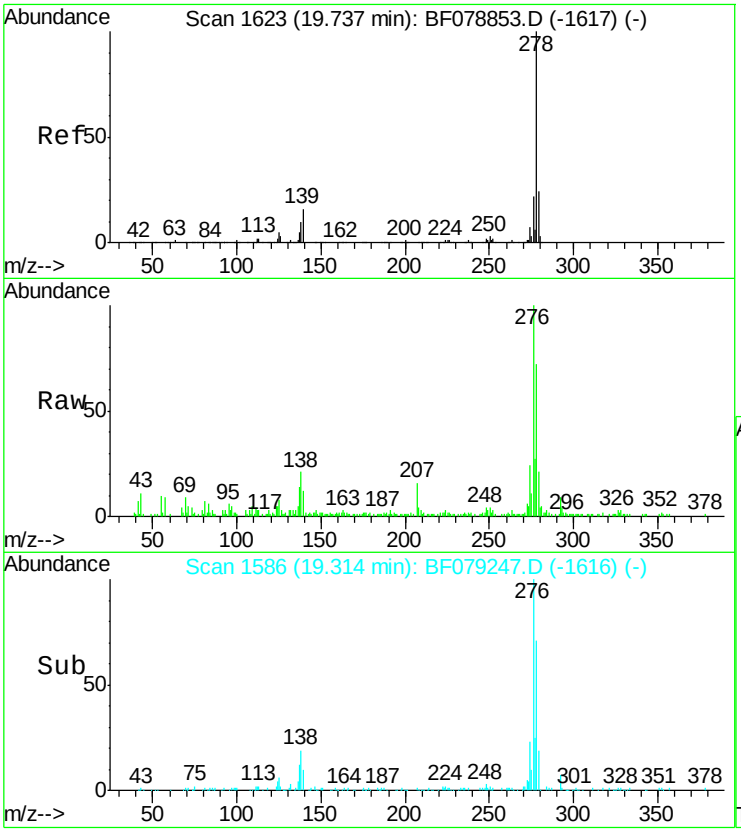


#89
Benzo(a)pyrene
Concen: 30.60 ng
RT: 17.81 min Scan# 1454
Delta R.T. -0.41 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:252 Resp: 323994

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.9	8.2	12.2



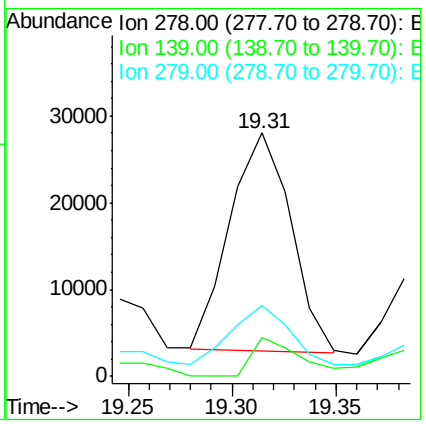


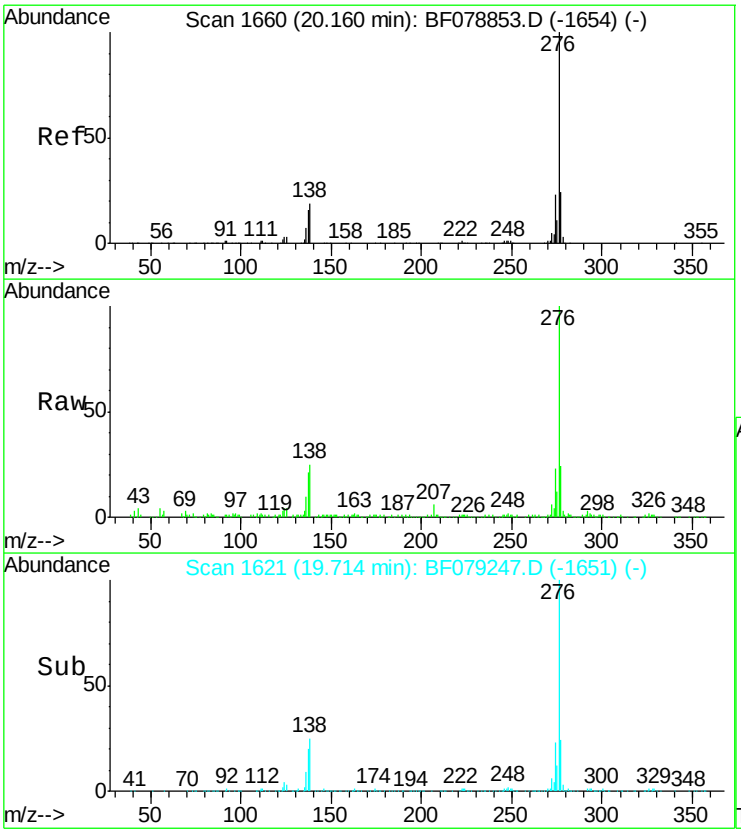
#90
Dibenzo(a,h)anthracene
Concen: 4.55 ng m
RT: 19.31 min Scan# 1586
Delta R.T. -0.55 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:278 Resp: 51192

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.1	19.7
279	28.8	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 19.83 ng
RT: 19.71 min Scan# 1621
Delta R.T. -0.55 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:276 Resp: 223681

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	25.0	15.2	22.8#