Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078577.D
Acq On : 16 Apr 2015 20:46
Operator : TP/IZ
Sample : G1855-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB16A(6-12)

Quant Time: Apr 17 02:26:35 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 17 00:52:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	20626	20.00	ng		0.00
21) Naphthalene-d8	8.27	136	90589	20.00	ng		0.00
38) Acenaphthene-d10	10.42	164	46617	20.00	ng		0.00
63) Phenanthrene-d10	12.24	188	93232	20.00	ng		0.00
75) Chrysene-d12	15.50	240	107079	20.00	ng		0.01
86) Perylene-d12	17.22	264	116847	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	4.94	112	125524m	100.34	ng		0.03
7) Phenol-d6	6.31	99	165175	105.36	ng		0.01
23) Nitrobenzene-d5	7.39	82	99907	66.85	ng		0.00
41) 2,4,6-Tribromophenol	11.41	330	41085	106.27	ng		0.01
44) 2-Fluorobiphenyl	9.62	172	206141	63.21	ng		0.00
78) Terphenyl-d14	14.24	244	231633	48.88	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	8.30	128	22645	4.80	ng		98
37) 2-Methylnaphthalene	9.15	142	10192	3.18	ng	#	90
48) Acenaphthylene	10.25	152	21227	4.38	ng		99
49) Dimethylphthalate	10.14	163	14937	4.26	ng	#	99
54) Dibenzofuran	10.67	168	11228	2.70	ng		96
57) Fluorene	11.10	166	7775	2.30	ng	#	94
70) Phenanthrene	12.27	178	149568	27.73	ng		99
71) Anthracene	12.33	178	46385	8.73	ng		99
72) Carbazole	12.55	167	12804	2.57	ng	#	92
74) Fluoranthene	13.74	202	290560	51.09	ng		92
77) Pyrene	14.00	202	266408	39.63	ng	#	93
80) Benzo(a)anthracene	15.49	228	173262	27.20	ng		95
82) Chrysene	15.53	228	145520	24.31	ng		97
83) Bis(2-ethylhexyl)phthalate	15.60	149	512956	127.66	ng		98
85) Indeno(1,2,3-cd)pyrene	18.45	276	129411m	19.05	ng		
87) Benzo(b)fluoranthene	16.79	252	231149m	32.01	ng		
88) Benzo(k)fluoranthene	16.81	252	86450m	13.47	ng		
89) Benzo(a)pyrene	17.17	252	175047	27.77	ng		97
90) Dibenzo(a,h)anthracene	18.46	278	34160	5.41	ng	#	85
91) Benzo(g,h,i)perylene	18.77	276	117832	18.63	ng		96

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

Quantitation Report (LSC Reviewed)

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Instrument :
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LS-SB16A(6-12)

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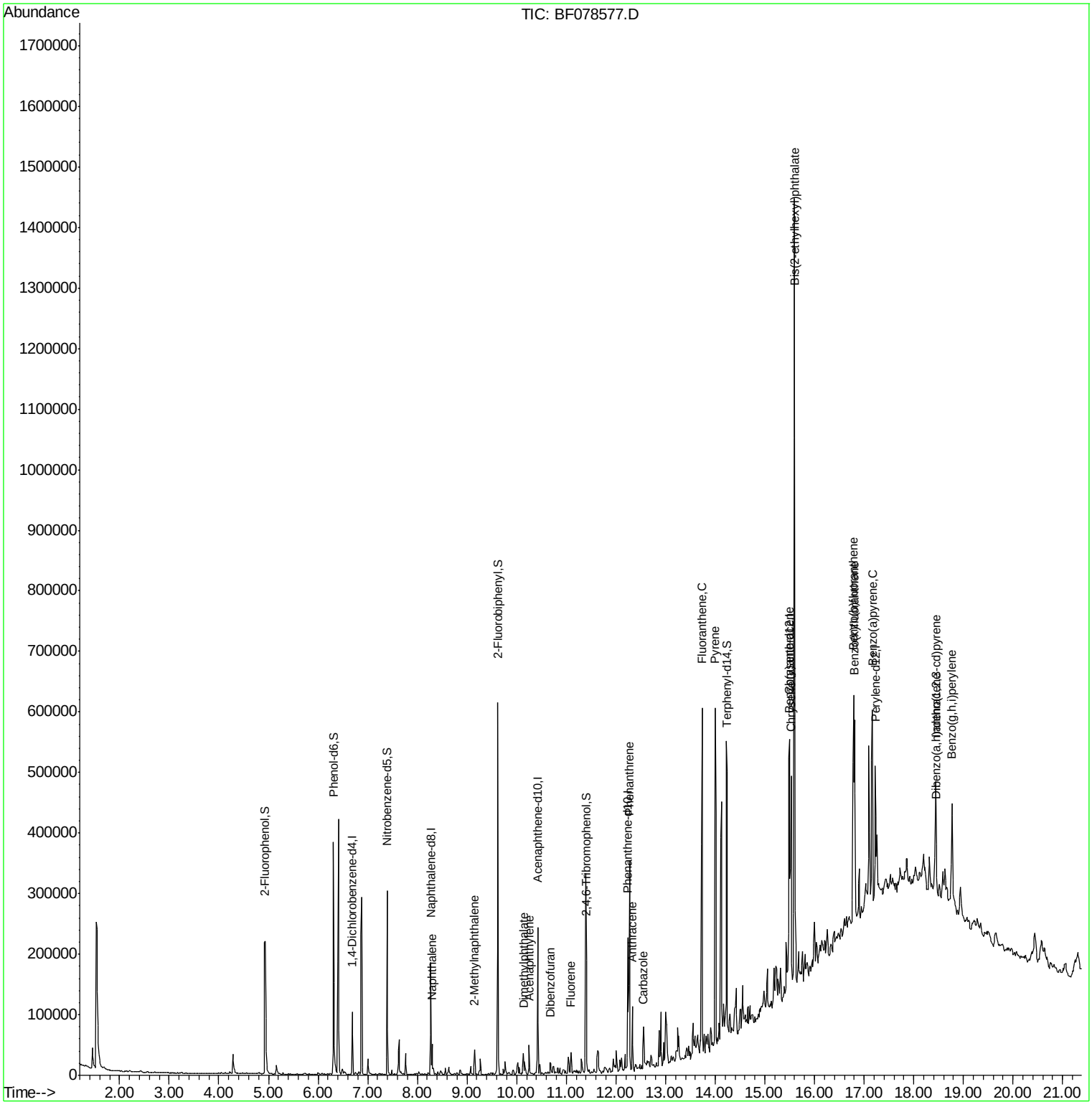
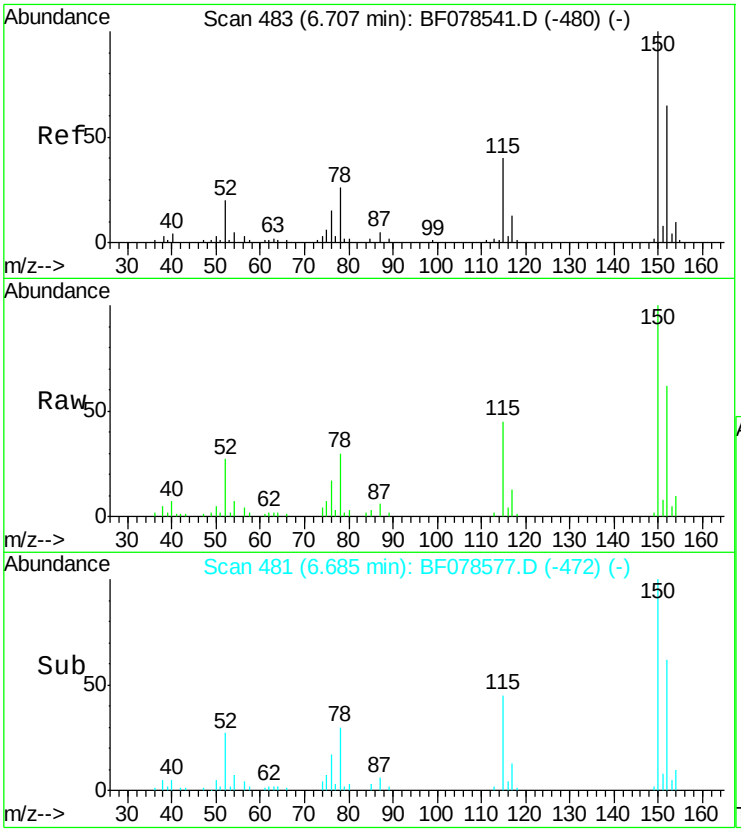


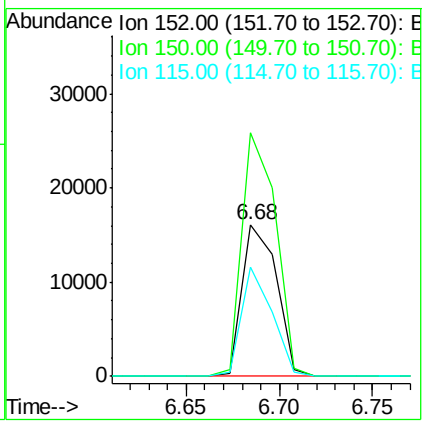


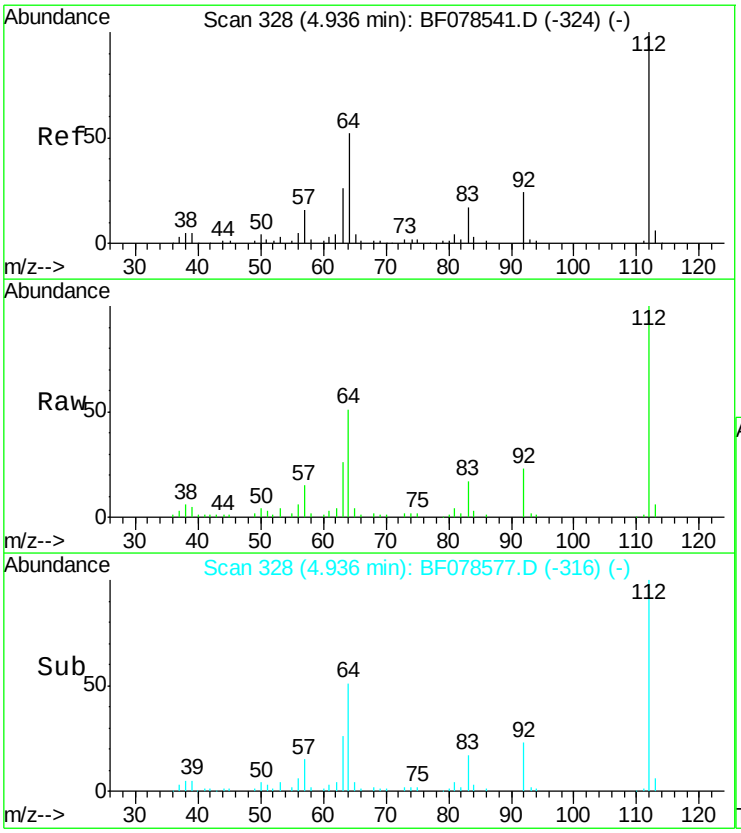
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:152 Resp: 20626

Ion	Ratio	Lower	Upper
152	100		
150	160.7	125.9	188.9
115	72.0	52.7	79.1

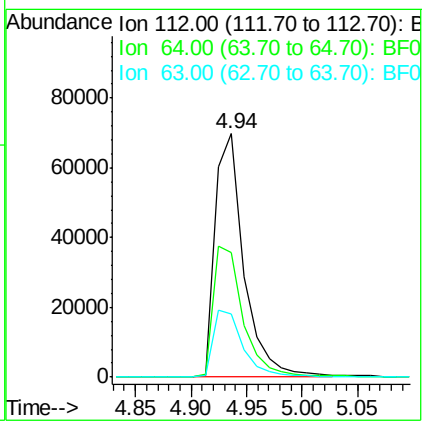


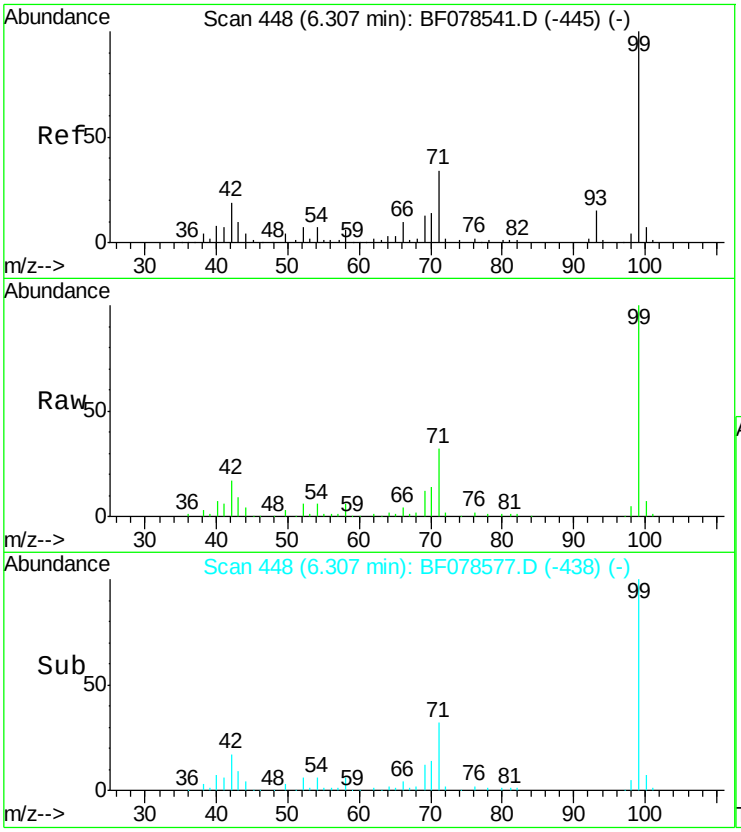


#5
2-Fluorophenol
Concen: 100.34 ng m
RT: 4.94 min Scan# 328
Delta R.T. 0.03 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:112 Resp: 125524

Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.9	59.9
63	25.9	20.2	30.4



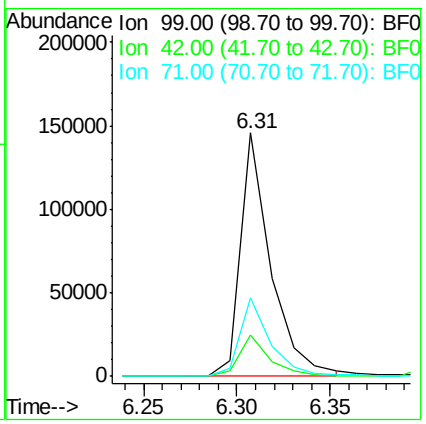


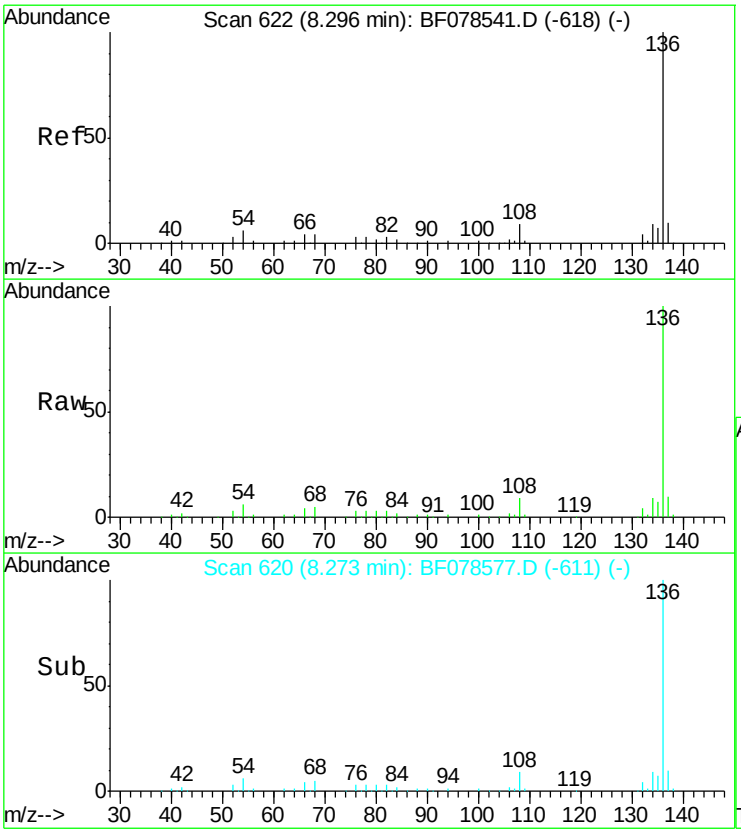
#7
Phenol-d6
Concen: 105.36 ng
RT: 6.31 min Scan# 448
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion: 99 Resp: 165175

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.8	22.2
71	32.4	26.6	39.8

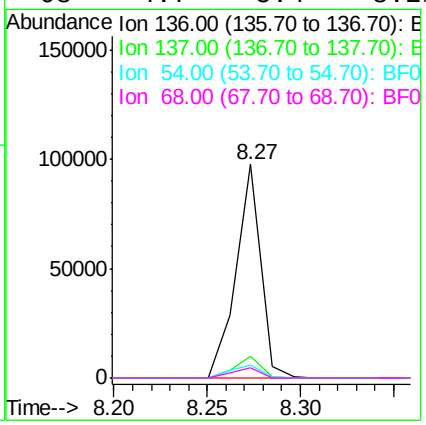


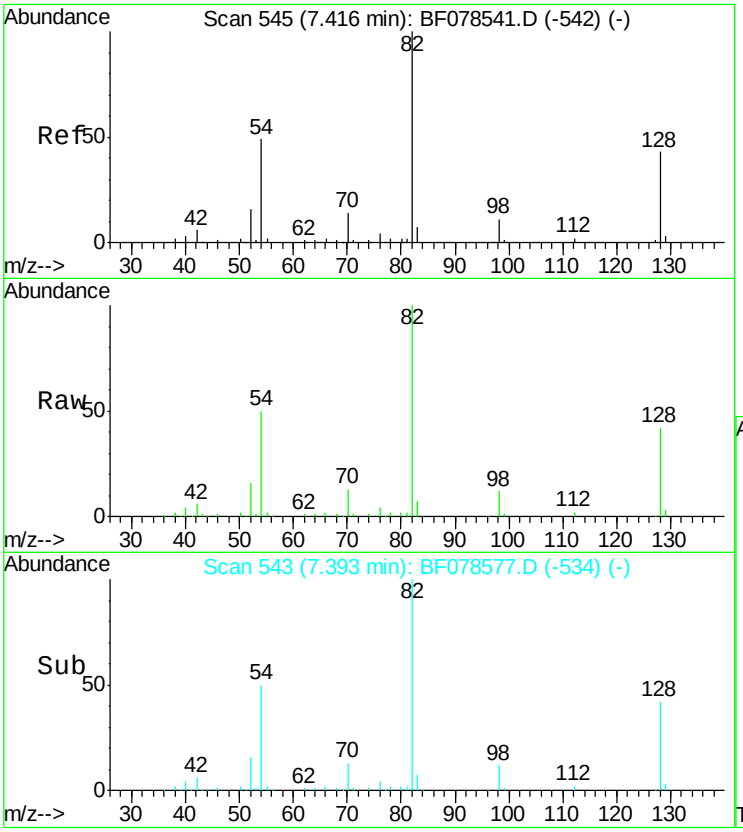


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 620
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:136 Resp: 90589

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.0	13.4
54	6.2	7.0	10.6#
68	4.7	5.4	8.2#



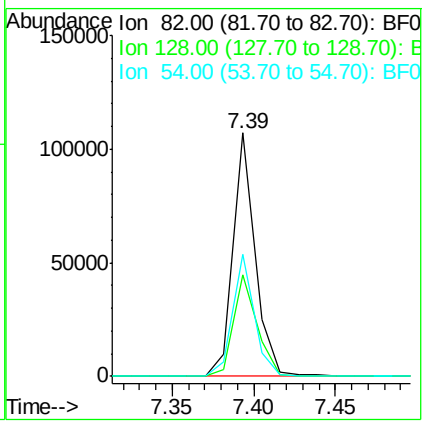


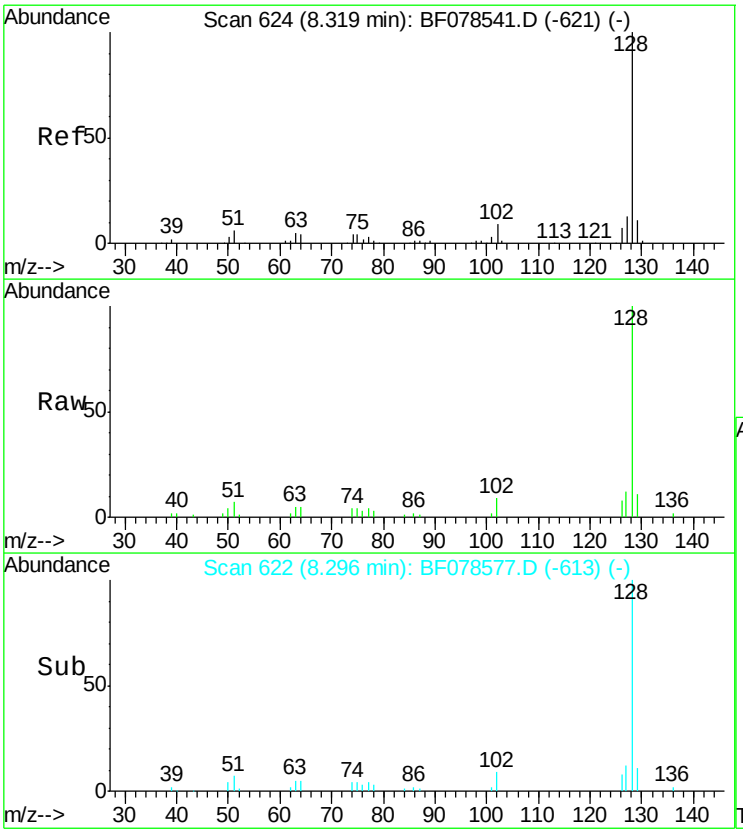
#23
Nitrobenzene-d5
Concen: 66.85 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion: 82 Resp: 99907

Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.8	47.8
54	50.0	41.5	62.3

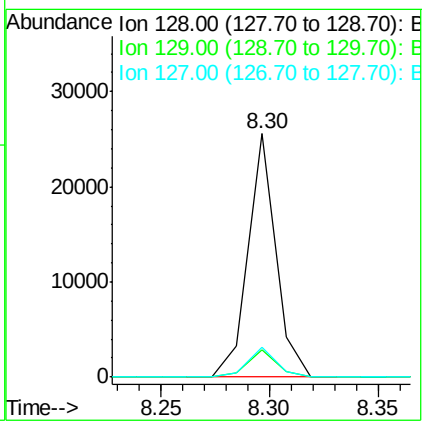


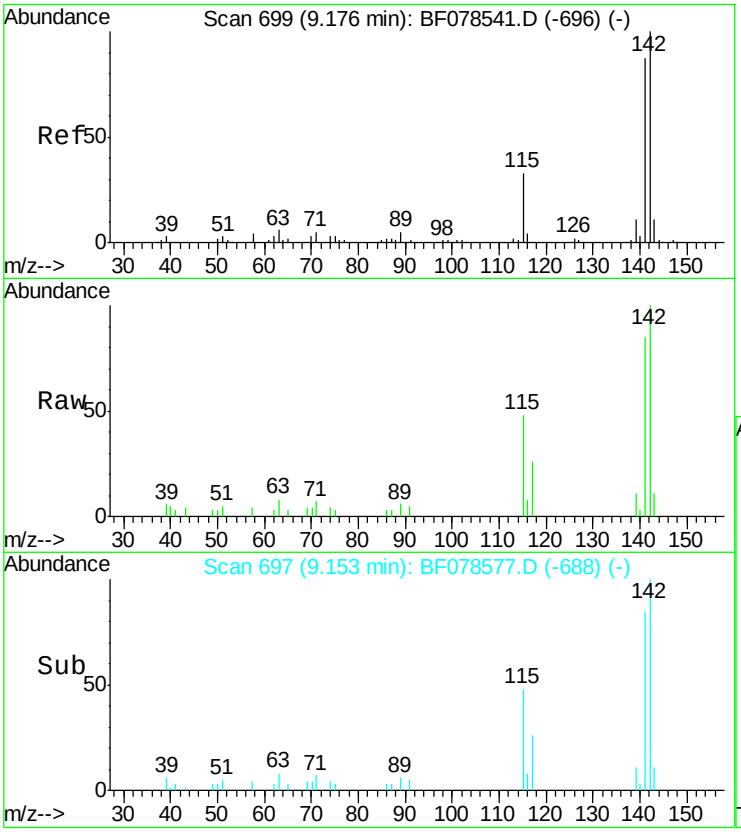


#31
Naphthalene
Concen: 4.80 ng
RT: 8.30 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:128 Resp: 22645

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	12.4	10.7	16.1



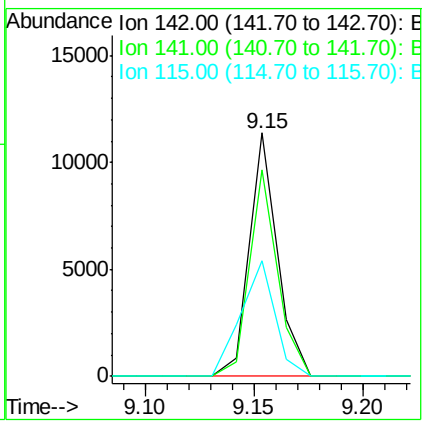


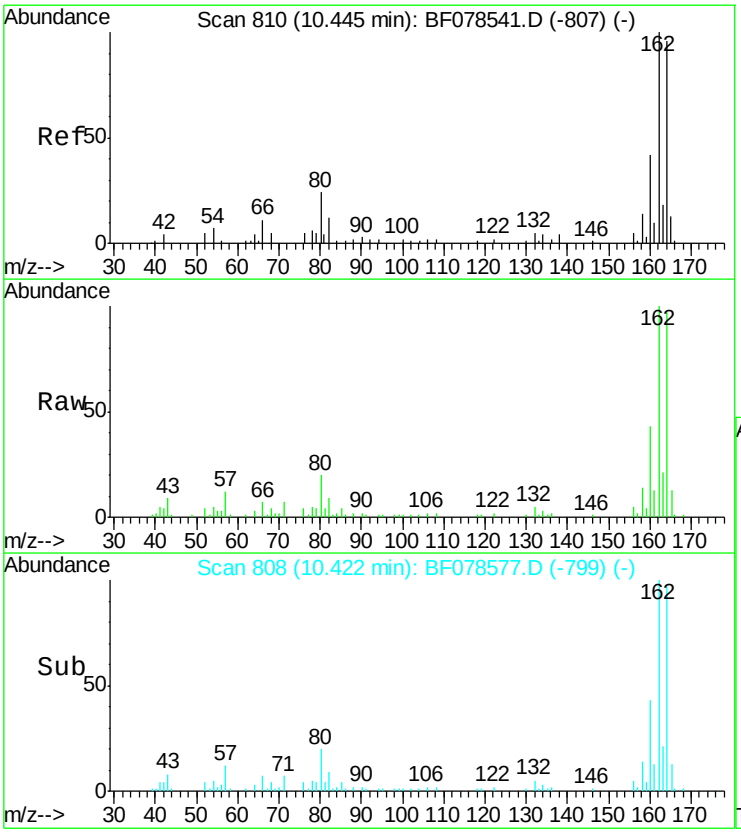
#37
2-Methylnaphthalene
Concen: 3.18 ng
RT: 9.15 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:142 Resp: 10192

Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.3	105.5
115	47.6	24.6	37.0#

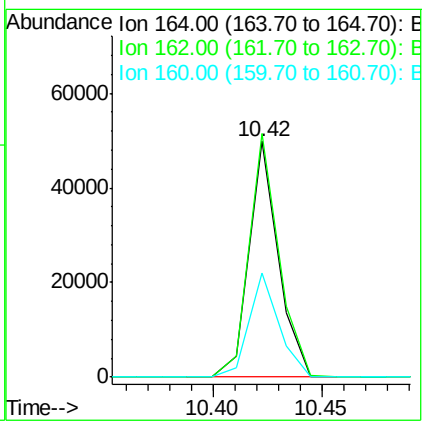


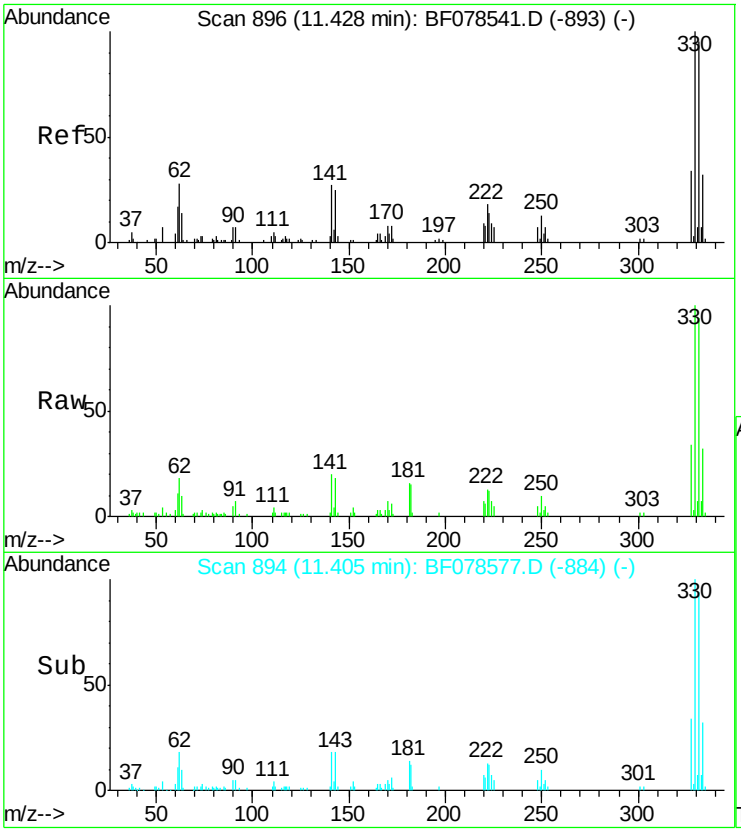


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:164 Resp: 46617

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.2
160	44.1	34.7	52.1



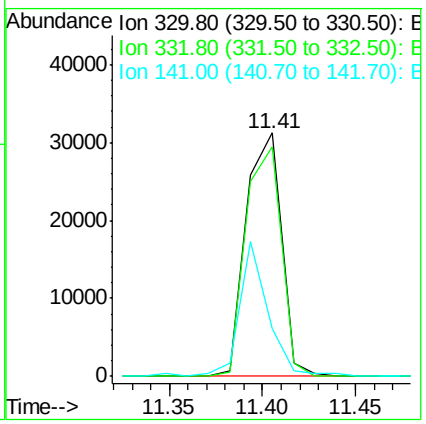


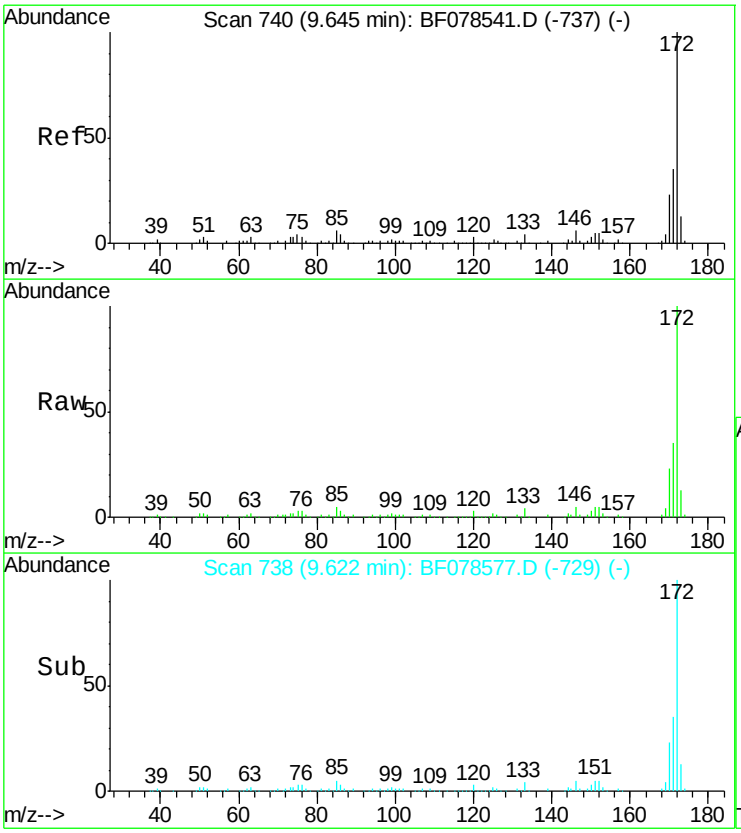
#41
2,4,6-Tribromophenol
Concen: 106.27 ng
RT: 11.41 min Scan# 894
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:330 Resp: 41085

Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.6	117.8
141	45.6	31.2	46.8

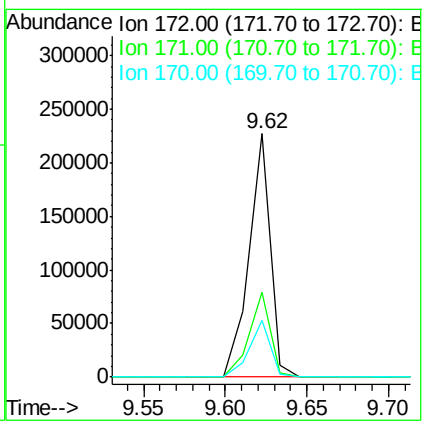


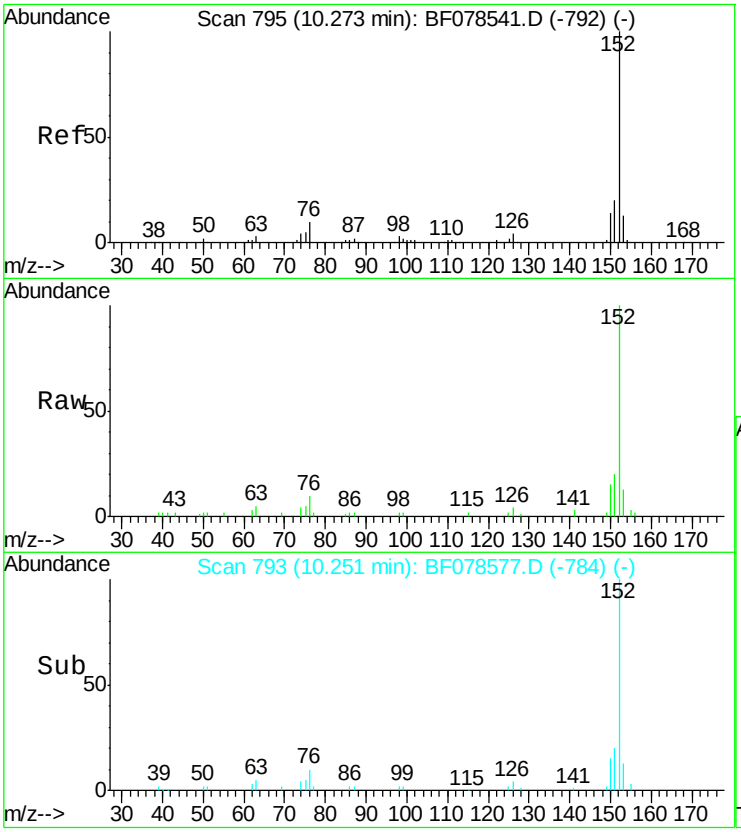


#44
2-Fluorobiphenyl
Concen: 63.21 ng
RT: 9.62 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:172 Resp: 206141

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.0	18.5	27.7



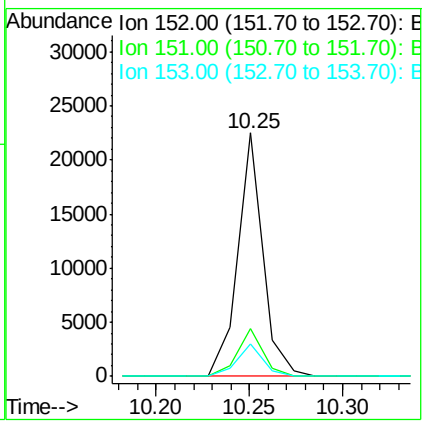


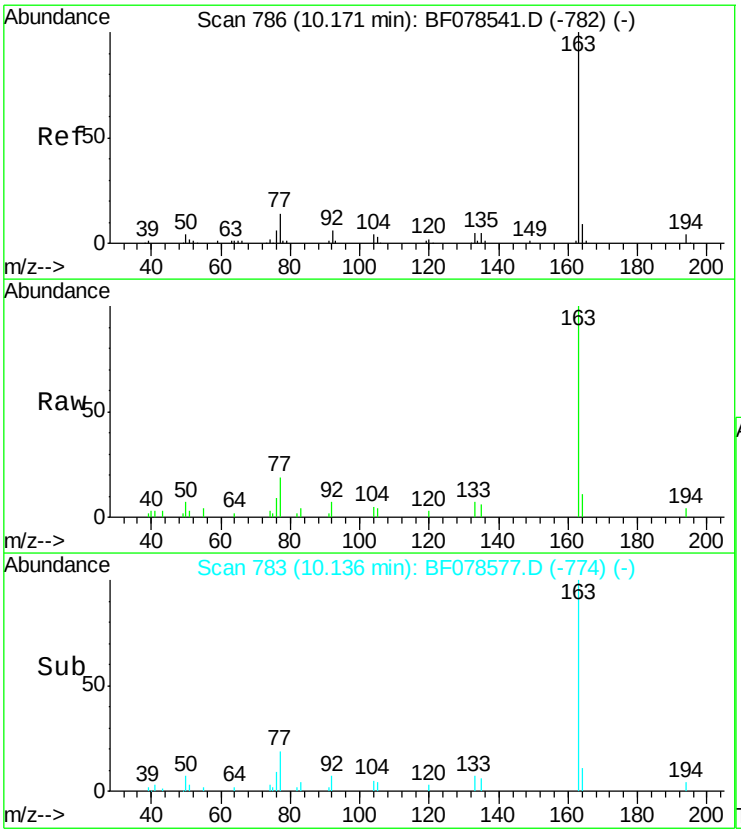
#48
Acenaphthylene
Concen: 4.38 ng
RT: 10.25 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:152 Resp: 21227

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.2	15.2

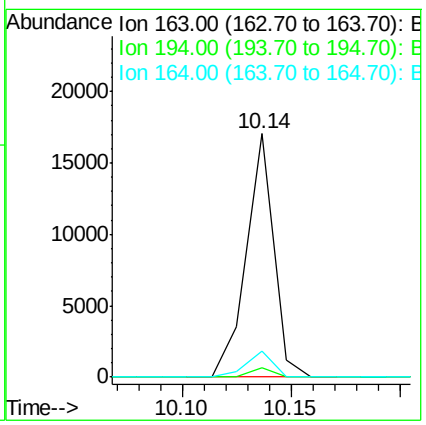


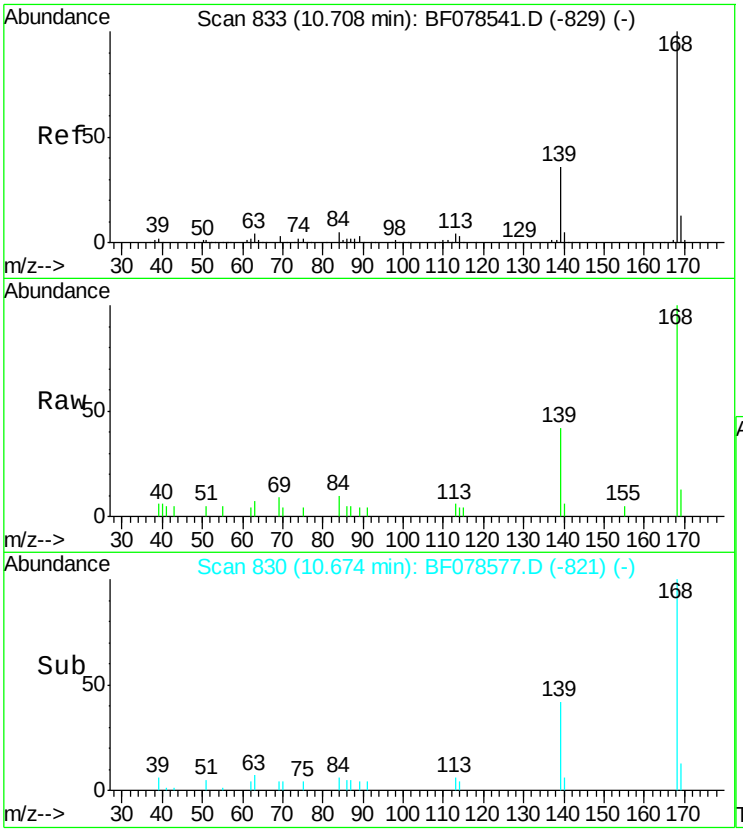


#49
Dimethylphthalate
Concen: 4.26 ng
RT: 10.14 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:163 Resp: 14937

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.3	3.5#
164	10.5	8.6	13.0



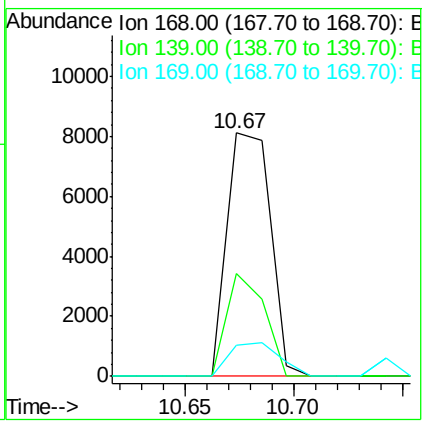


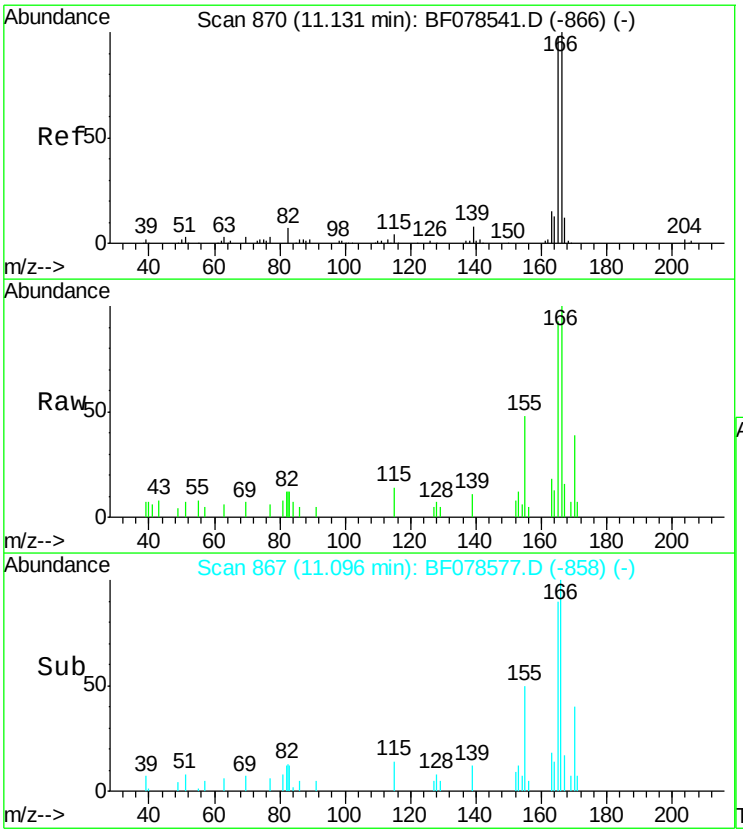
#54
Dibenzofuran
Concen: 2.70 ng
RT: 10.67 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:168 Resp: 11228

Ion	Ratio	Lower	Upper
168	100		
139	42.2	31.0	46.4
169	13.0	10.7	16.1

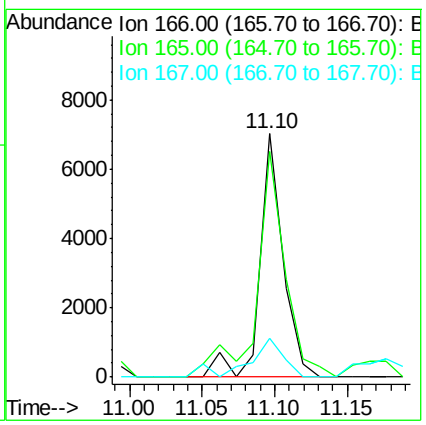


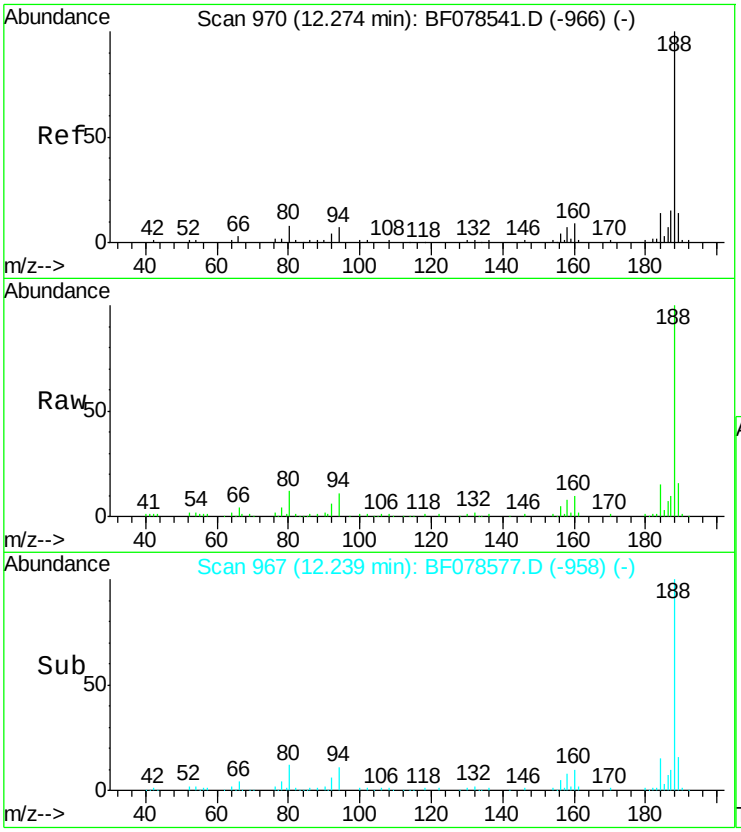


#57
Fluorene
Concen: 2.30 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:166 Resp: 7775

Ion	Ratio	Lower	Upper
166	100		
165	92.6	78.9	118.3
167	16.2	10.7	16.1#



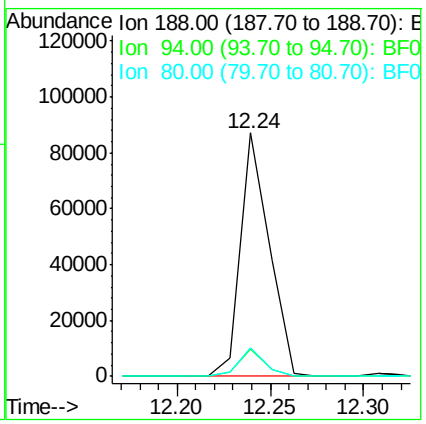


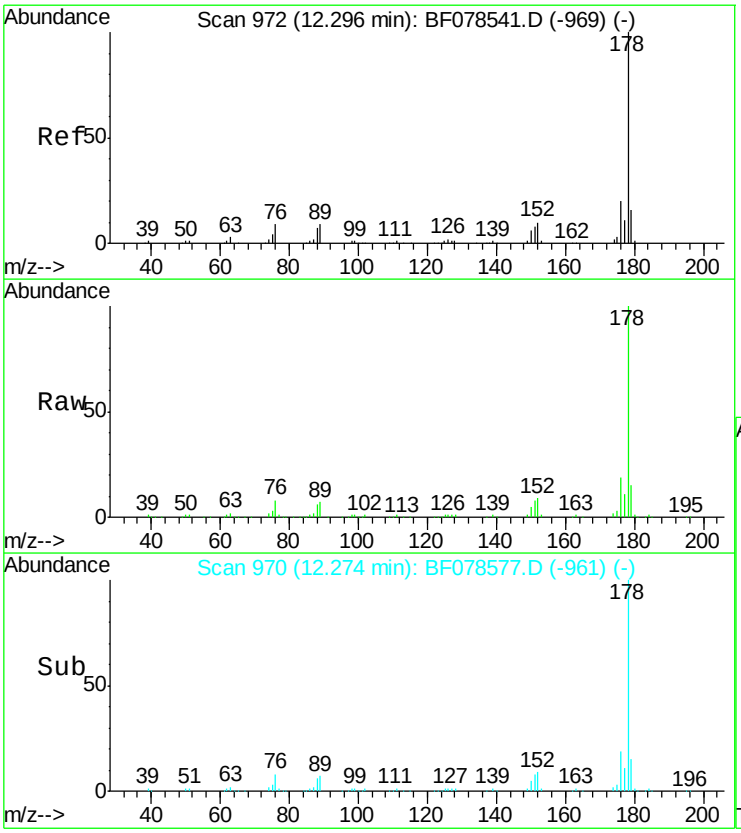
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:188 Resp: 93232

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.4
80	11.5	9.5	14.3

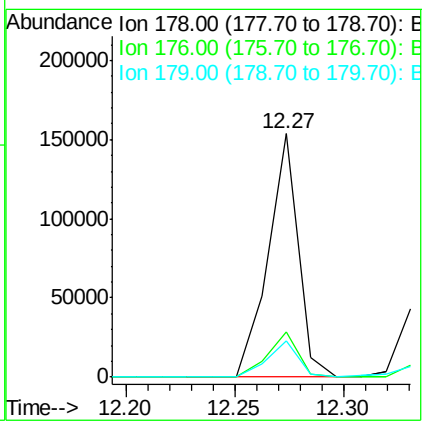


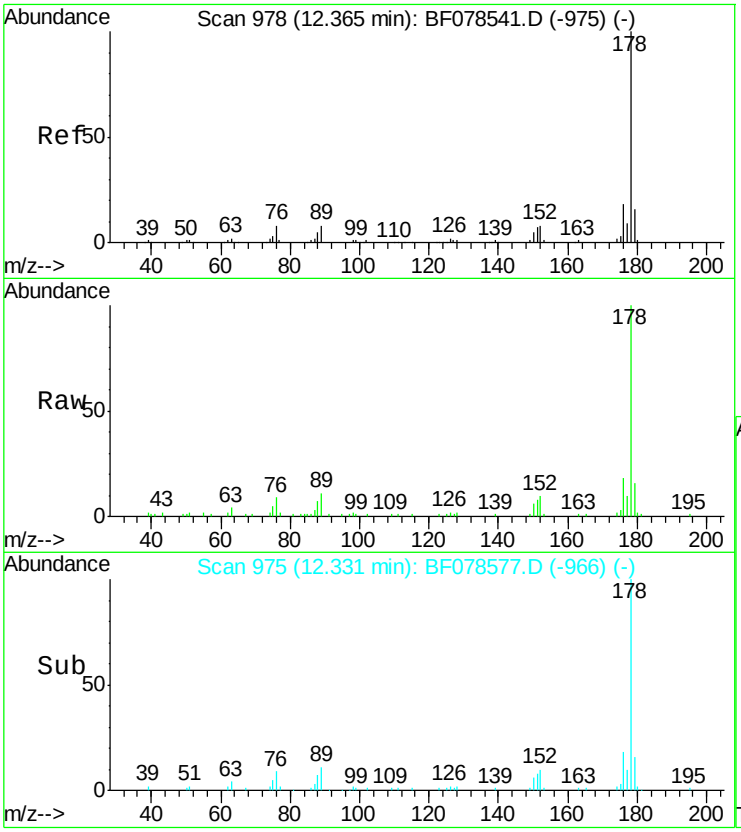


#70
Phenanthrene
Concen: 27.73 ng
RT: 12.27 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:178 Resp: 149568

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.0	12.2	18.2



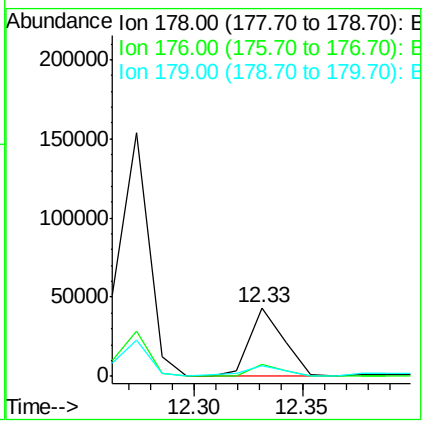


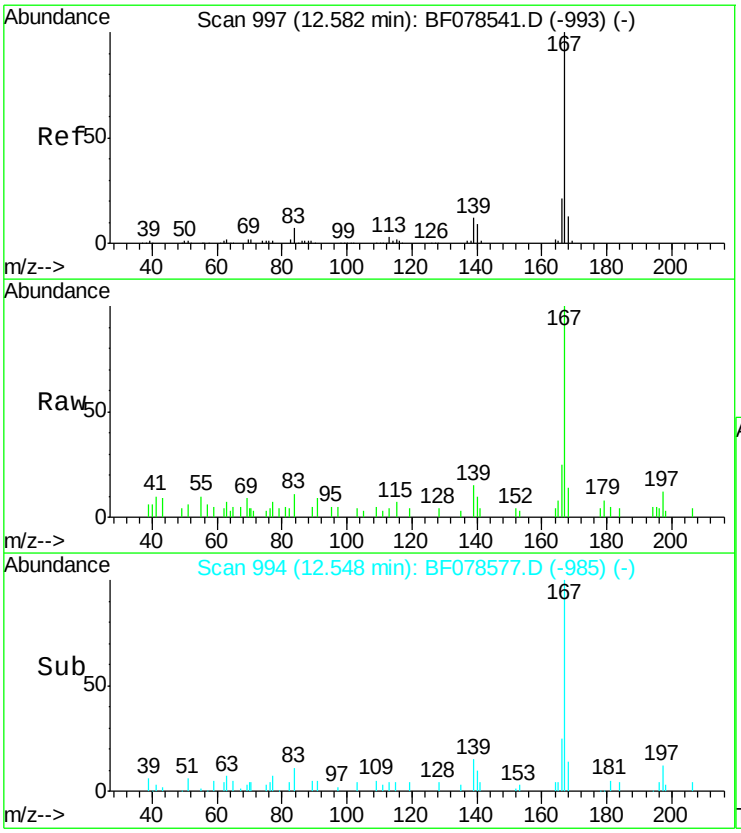
#71
Anthracene
Concen: 8.73 ng
RT: 12.33 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:178 Resp: 46385

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	16.1	12.4	18.6

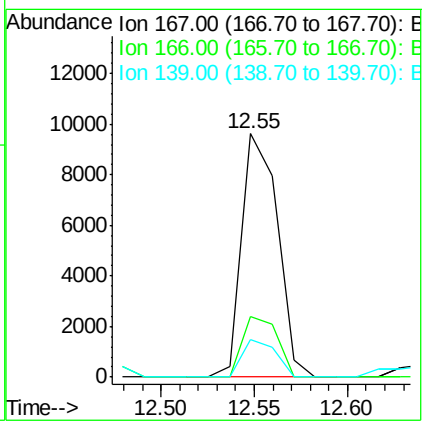


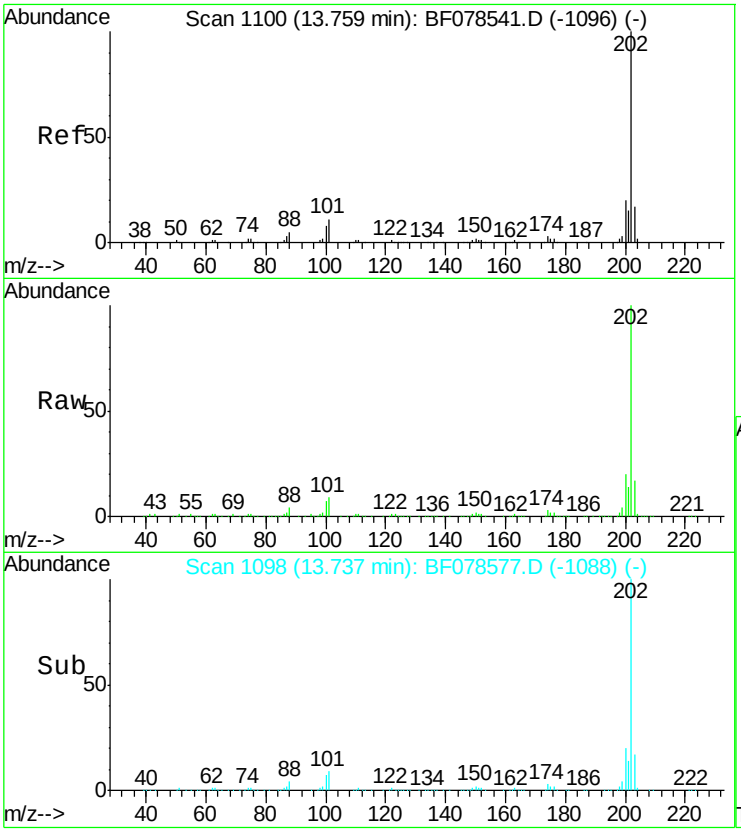


#72
Carbazole
Concen: 2.57 ng
RT: 12.55 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:167 Resp: 12804

Ion	Ratio	Lower	Upper
167	100		
166	24.6	16.8	25.2
139	15.4	10.0	15.0#



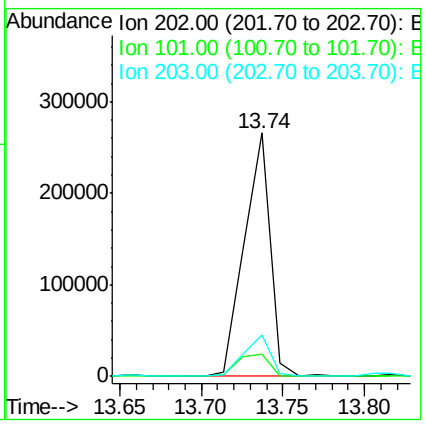


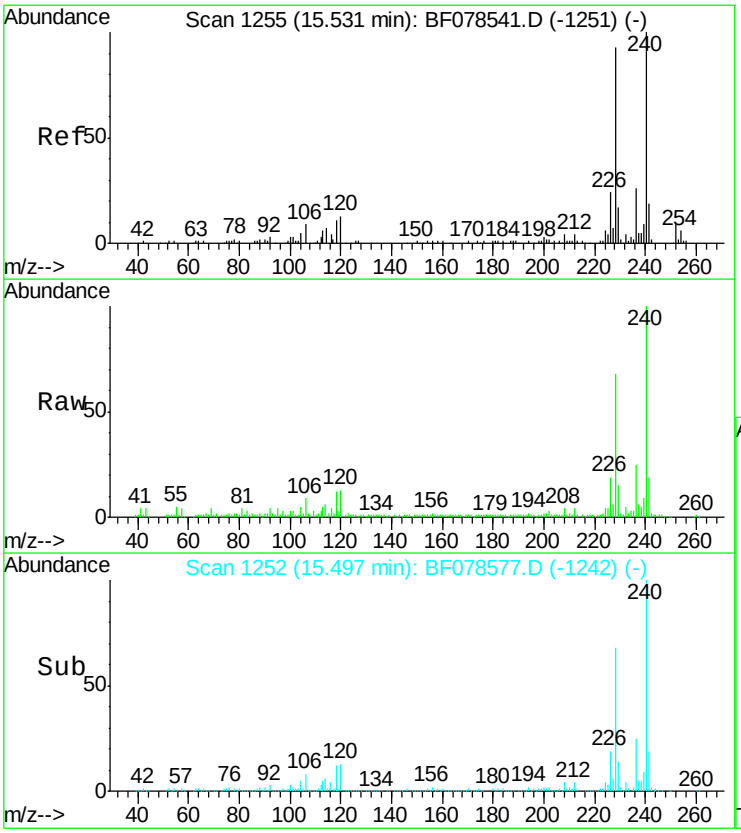
#74
Fluoranthene
Concen: 51.09 ng
RT: 13.74 min Scan# 1098
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:202 Resp: 290560

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	35.2
203	17.2	0.0	38.5

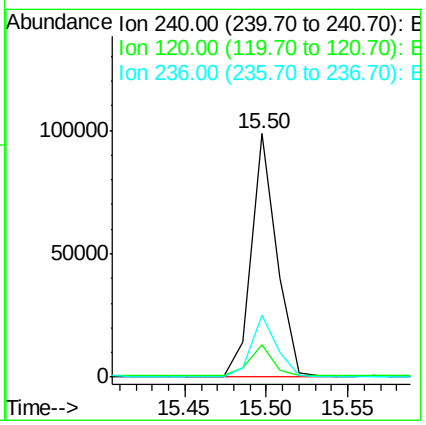


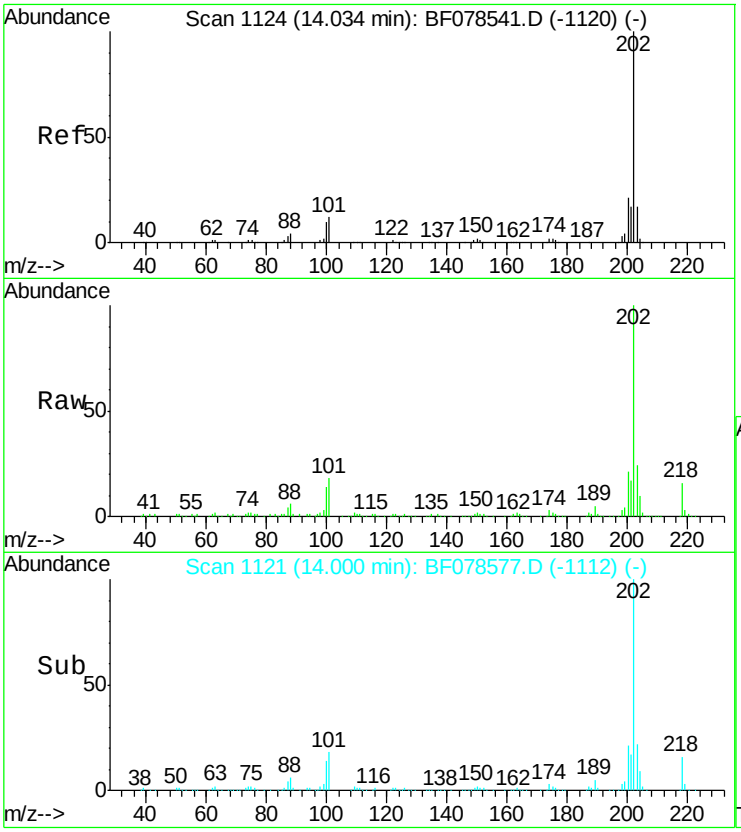


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1252
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:240 Resp: 107079

Ion	Ratio	Lower	Upper
240	100		
120	13.2	7.1	10.7#
236	25.1	21.4	32.2



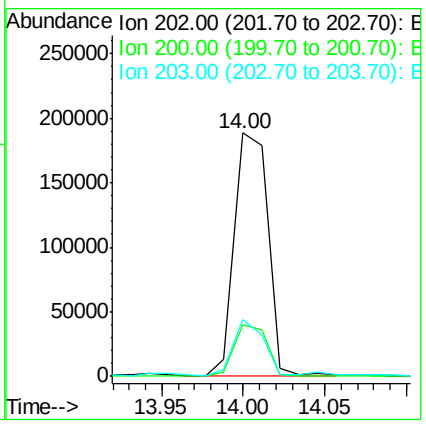


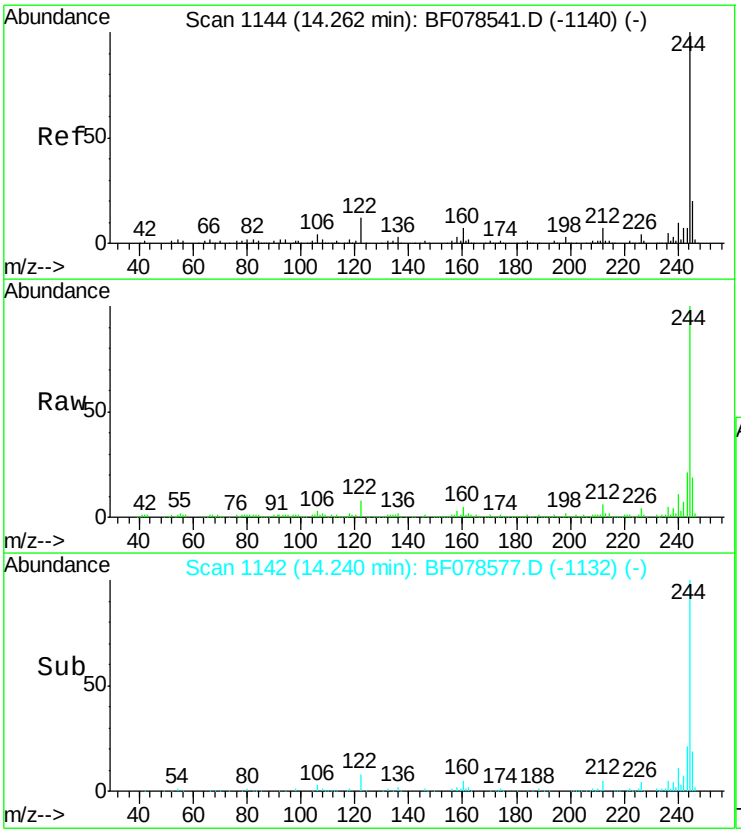
#77
Pyrene
Concen: 39.63 ng
RT: 14.00 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:202 Resp: 266408

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.3	24.5
203	23.5	13.8	20.6#

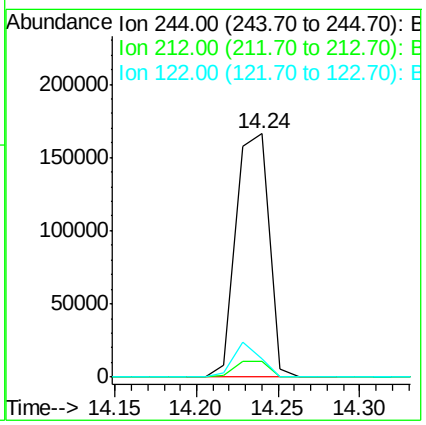


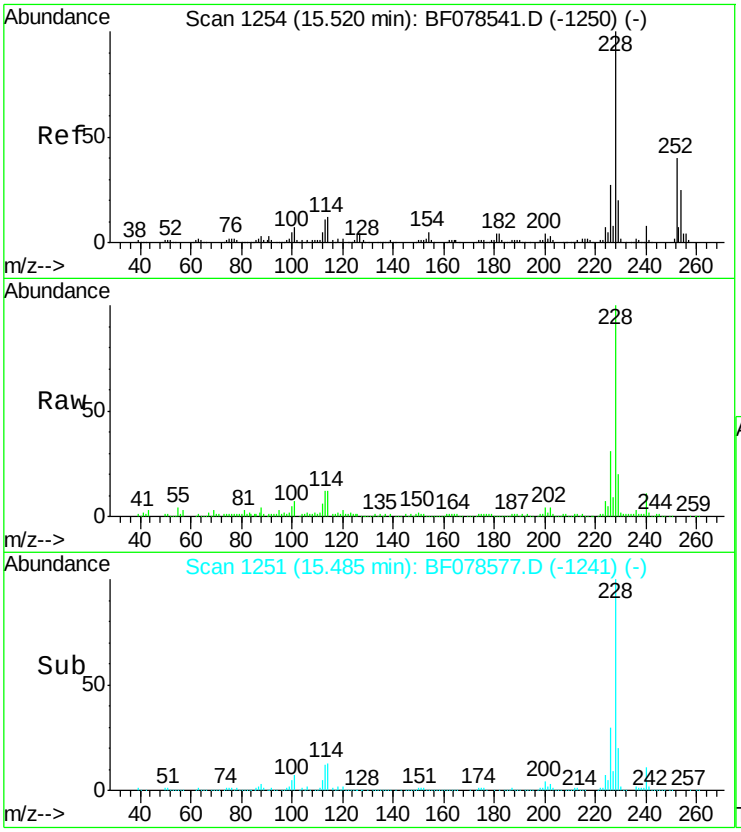


#78
Terphenyl-d14
Concen: 48.88 ng
RT: 14.24 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:244 Resp: 231633

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.0	7.4
122	7.8	7.1	10.7



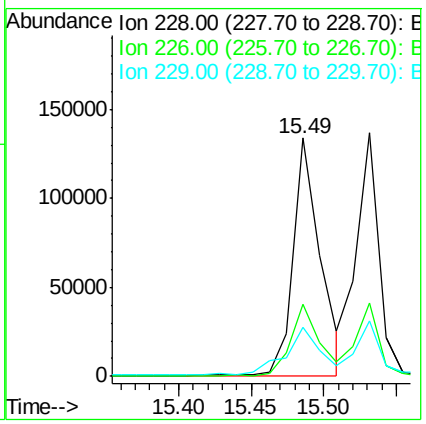


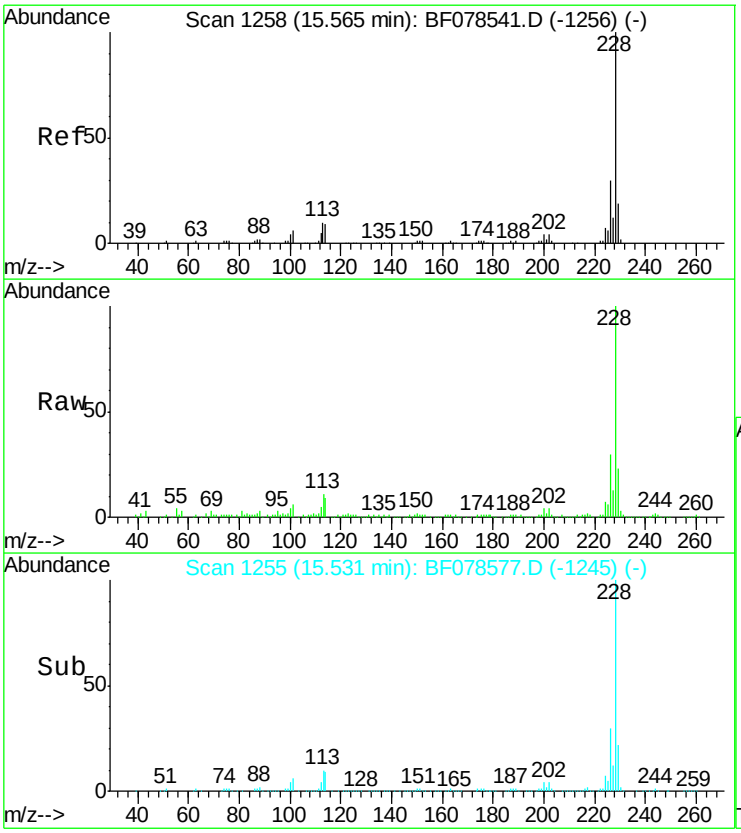
#80
Benzo(a)anthracene
Concen: 27.20 ng
RT: 15.49 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:228 Resp: 173262

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.3	31.9
229	20.4	15.4	23.2

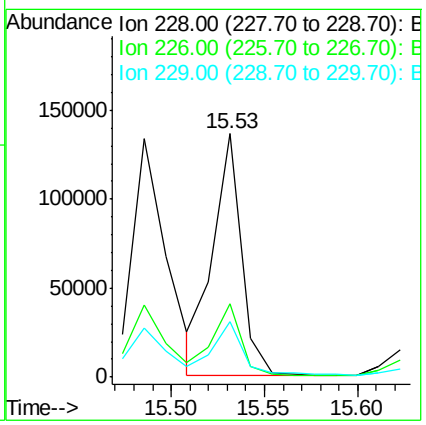


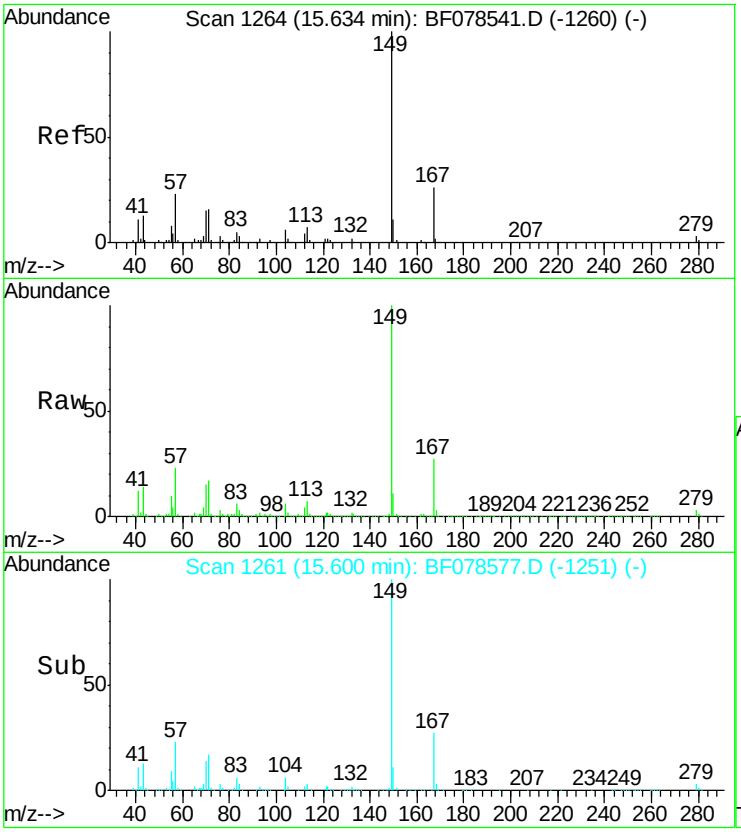


#82
Chrysene
Concen: 24.31 ng
RT: 15.53 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:228 Resp: 145520

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	22.8	15.8	23.8



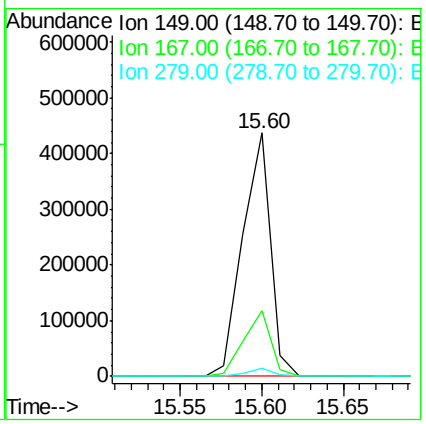


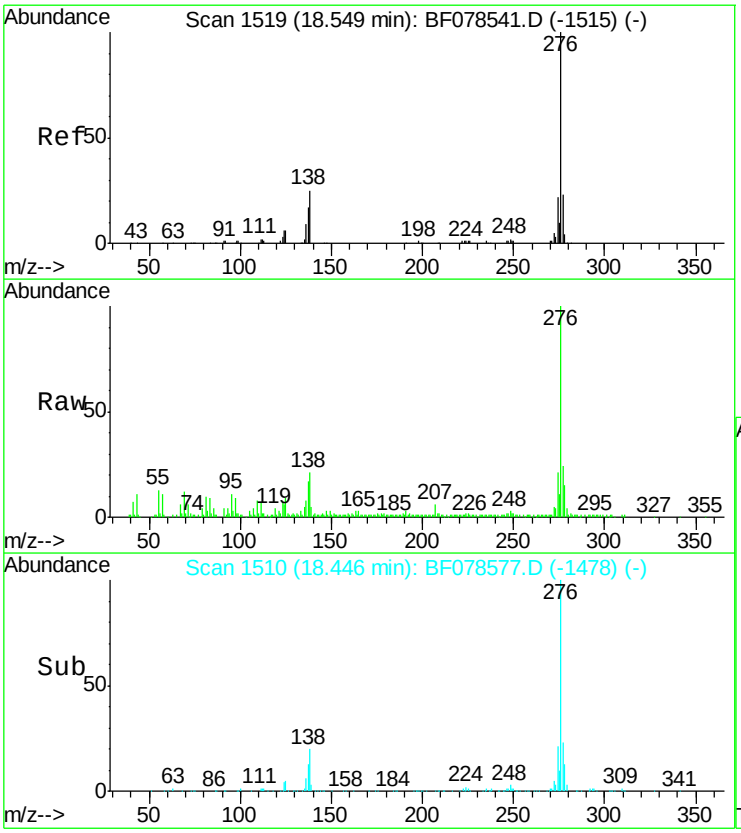
#83
Bis(2-ethylhexyl)phthalate
Concen: 127.66 ng
RT: 15.60 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:149 Resp: 512956

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.2	33.2
279	3.5	3.2	4.8

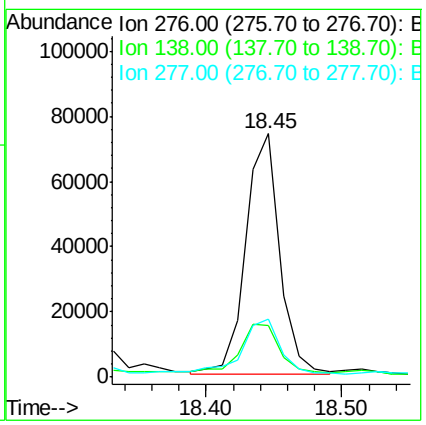


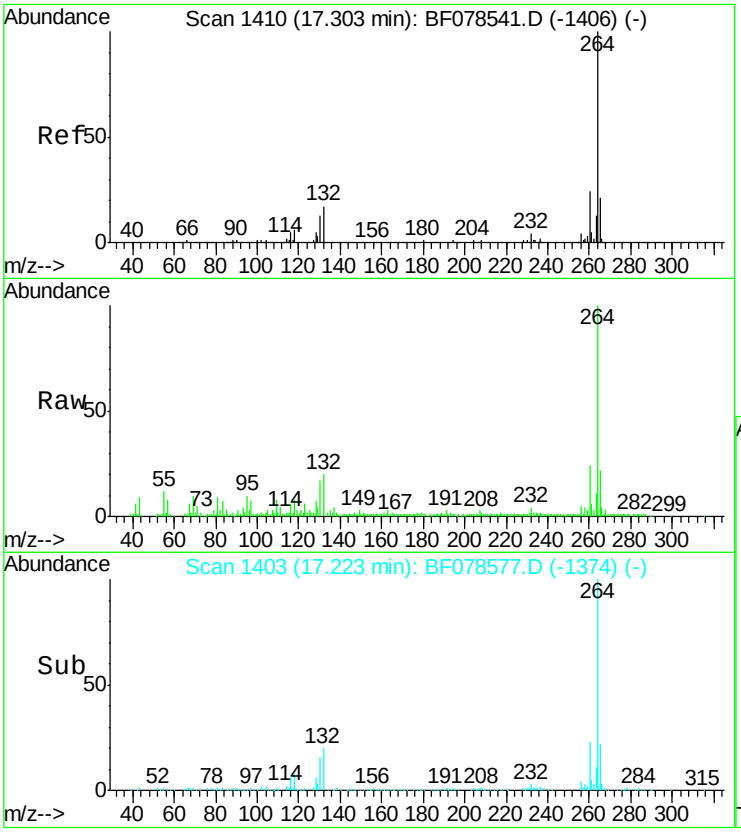


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.05 ng m
RT: 18.45 min Scan# 1510
Delta R.T. 0.07 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:276 Resp: 129411

Ion	Ratio	Lower	Upper
276	100		
138	4.9	16.9	25.3#
277	4.6	15.8	23.6#



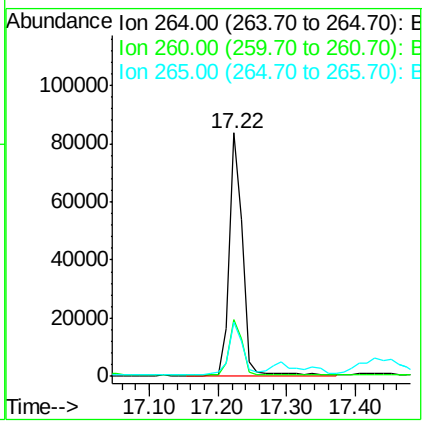


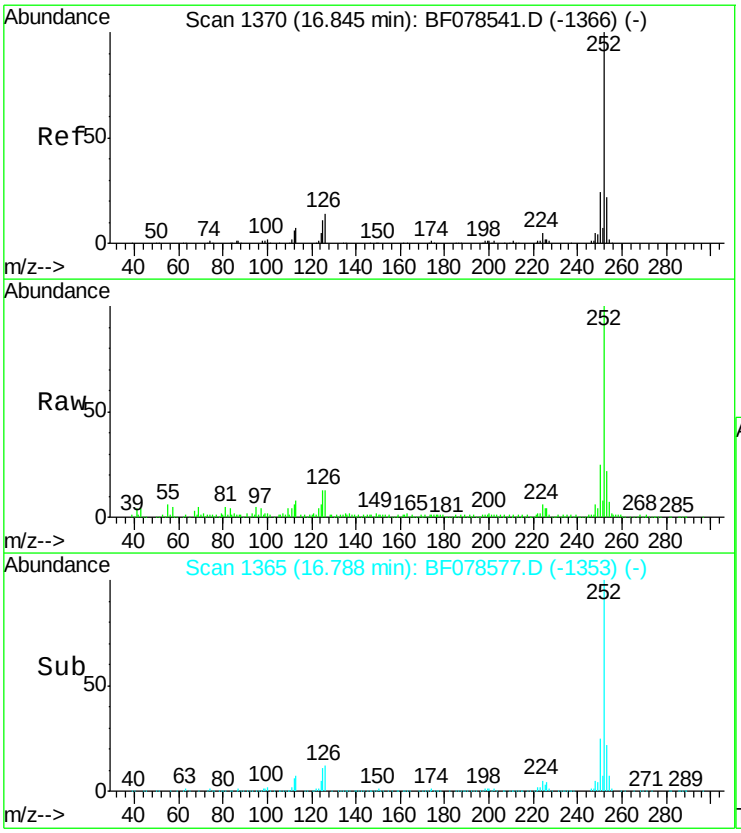
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.22 min Scan# 1403
Delta R.T. 0.03 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:264 Resp: 116847

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.5	17.0	25.6

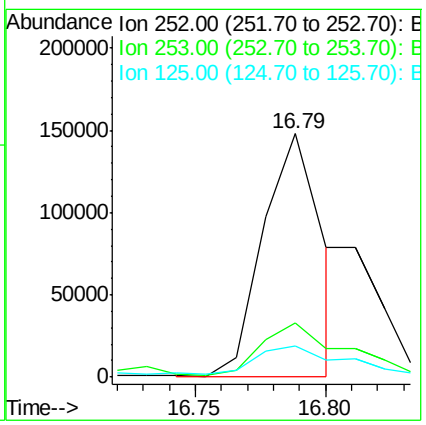


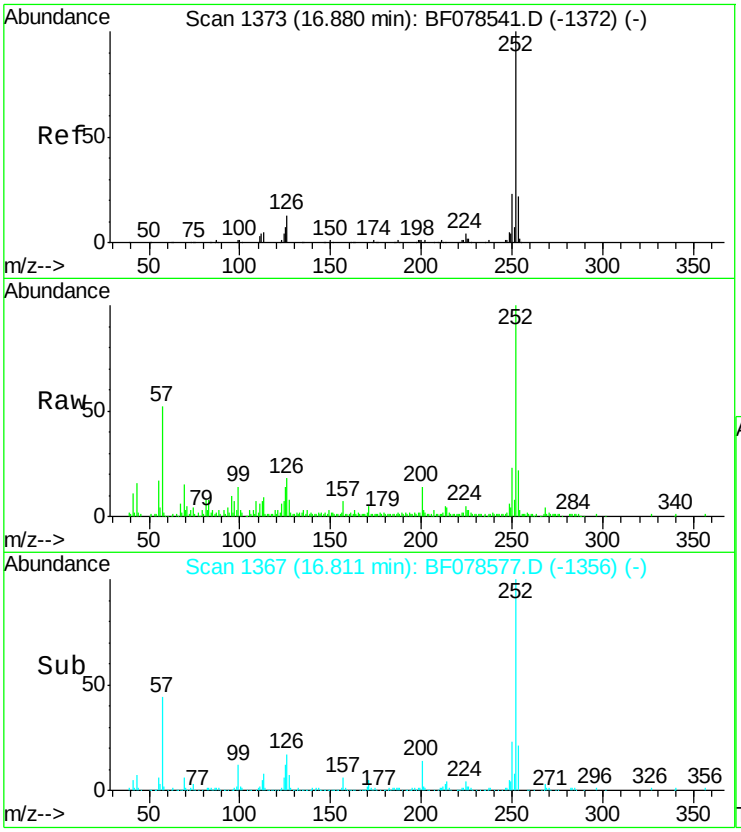


#87
Benzo(b)fluoranthene
Concen: 32.01 ng m
RT: 16.79 min Scan# 1365
Delta R.T. 0.03 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:252 Resp: 231149

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.6	7.0	10.4#



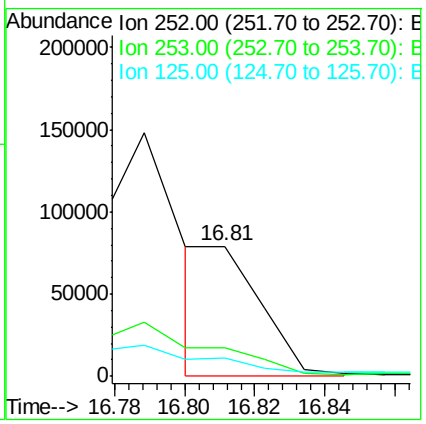


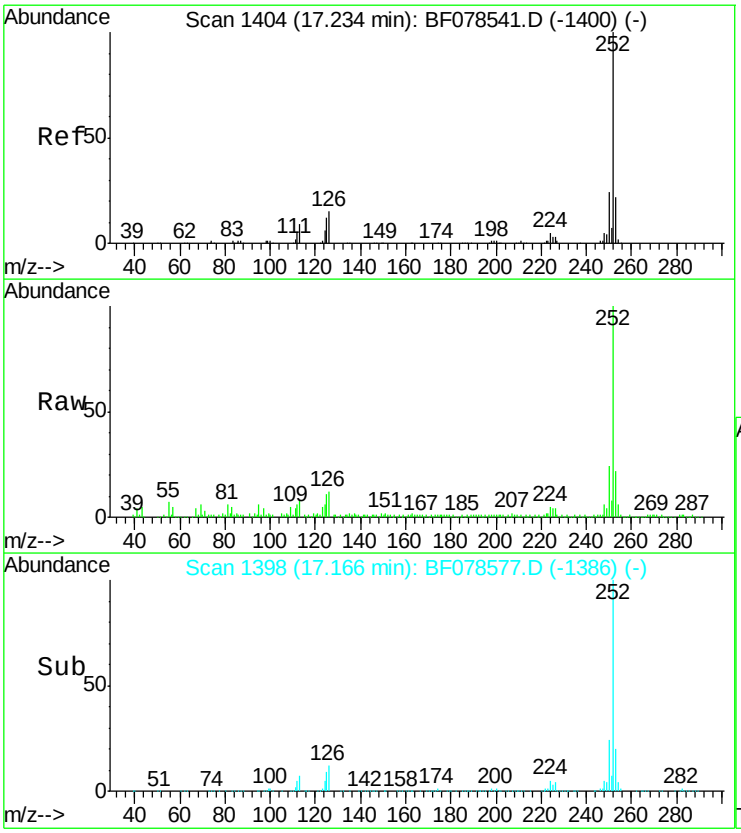
#88
Benzo(k)fluoranthene
Concen: 13.47 ng m
RT: 16.81 min Scan# 1367
Delta R.T. 0.02 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:252 Resp: 86450

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	14.1	11.6	17.4

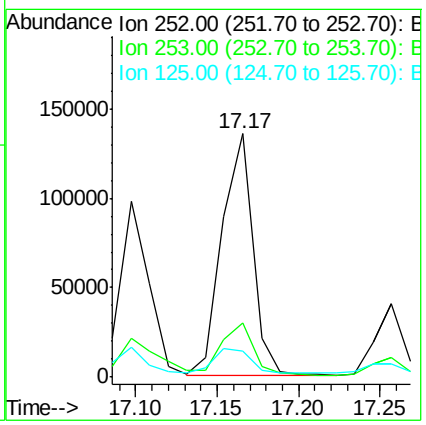


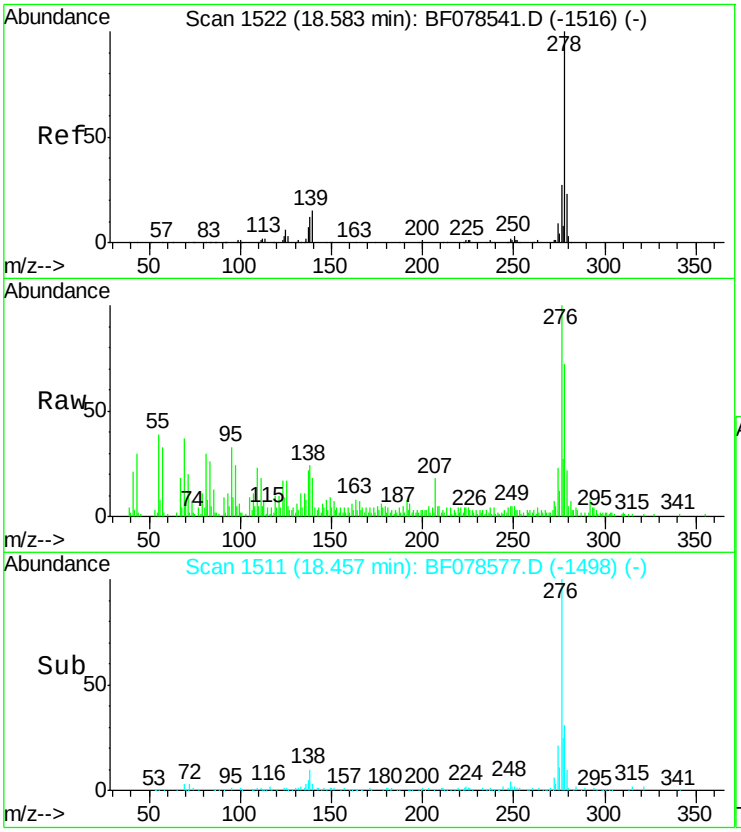


#89
Benzo(a)pyrene
Concen: 27.77 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.03 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:252 Resp: 175047

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.8	25.2
125	10.6	7.4	11.0



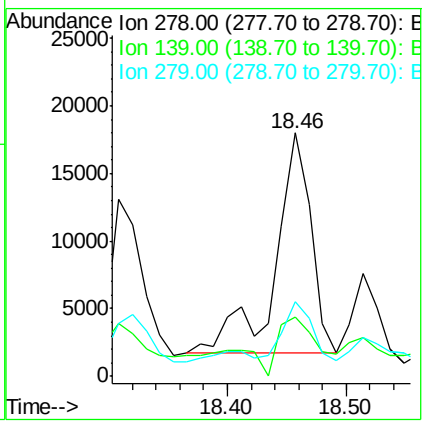


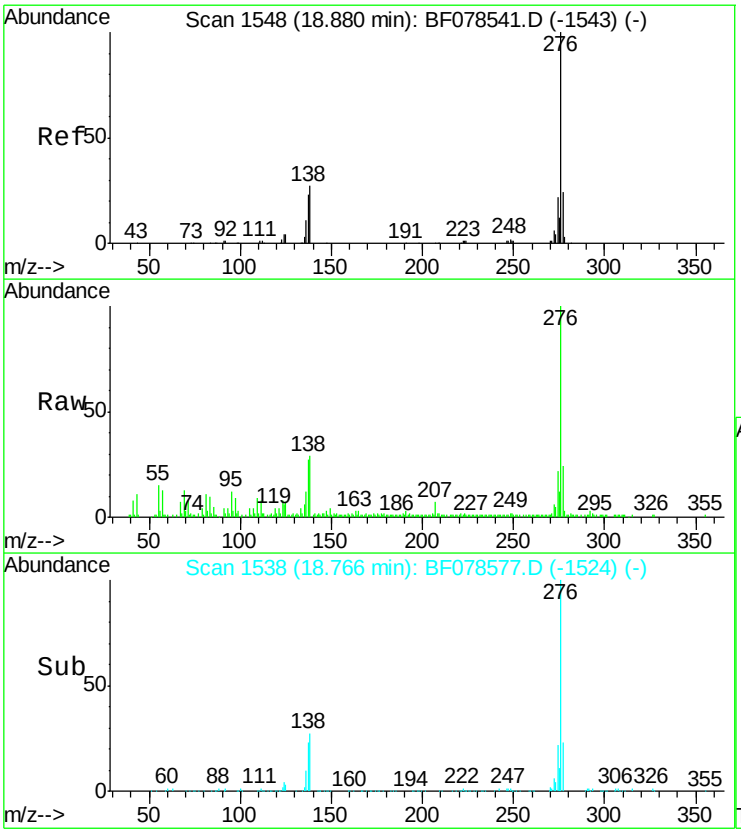
#90
Dibenzo(a,h)anthracene
Concen: 5.41 ng
RT: 18.46 min Scan# 1511
Delta R.T. 0.05 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Instrument :
BNA_F
ClientSampleId :
LS-SB16A(6-12)

Tgt Ion:278 Resp: 34160

Ion	Ratio	Lower	Upper
278	100		
139	24.6	13.6	20.4#
279	30.6	19.0	28.6#





#91
Benzo(g,h,i)perylene
Concen: 18.63 ng
RT: 18.77 min Scan# 1538
Delta R.T. 0.06 min
Lab File: BF078577.D
Acq: 16 Apr 2015 20:46

Tgt Ion:276 Resp: 117832

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	28.6	19.9	29.9