Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP1-SS-3(6-8)

Quant Time: Jan 16 10:40:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 15 11:52:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33899	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	141392	20.00	ng		0.00
38) Acenaphthene-d10	15.08	164	70530	20.00	ng		0.00
63) Phenanthrene-d10	17.83	188	111116	20.00	ng		0.01
75) Chrysene-d12	21.32	240	110308	20.00	ng		0.01
86) Perylene-d12	22.97	264	107214	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.09	112	258875	125.56	ng		0.00
7) Phenol-d6	7.43	99	328936	126.47	ng		0.01
23) Nitrobenzene-d5	9.32	82	202853	79.48	ng		0.00
41) 2,4,6-Tribromophenol	16.73	330	67025	117.07	ng		0.01
44) 2-Fluorobiphenyl	13.59	172	342872	73.98	ng		0.00
78) Terphenyl-d14	20.05	244	317986	66.36	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	10.98	128	262430	36.05	ng	#	93
37) 2-Methylnaphthalene	12.65	142	561945	113.04	ng		98
45) 1,1'-Biphenyl	13.80	154	70389	13.46	ng		98
48) Acenaphthylene	14.73	152	33069m	4.56	ng		
49) Dimethylphthalate	14.65	163	62113	12.42	ng		96
51) Acenaphthene	15.16	154	29107	7.07	ng	#	53
54) Dibenzofuran	15.58	168	25321	4.22	ng		95
57) Fluorene	16.29	166	60511m	11.91	ng		
70) Phenanthrene	17.87	178	392669	56.67	ng		99
71) Anthracene	17.93	178	85779	12.69	ng	#	90
72) Carbazole	18.22	167	34116	5.21	ng	#	76
74) Fluoranthene	19.50	202	462642	65.16	ng		98
77) Pyrene	19.79	202	415722	54.99	ng	#	93
80) Benzo(a)anthracene	21.31	228	226434	32.72	ng		98
82) Chrysene	21.34	228	207393m	32.86	ng		
83) Bis(2-ethylhexyl)phthalate	21.44	149	9740	2.06	ng	#	94
85) Indeno(1,2,3-cd)pyrene	24.09	276	134953m	20.18	ng		
87) Benzo(b)fluoranthene	22.56	252	271985m	37.67	ng		
88) Benzo(k)fluoranthene	22.59	252	79958m	12.67	ng		
89) Benzo(a)pyrene	22.91	252	187803	29.49	ng	#	94
90) Dibenzo(a,h)anthracene	24.12	278	26378m	4.51	ng		
91) Benzo(g,h,i)perylene	24.40	276	116315	20.02	ng		99

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

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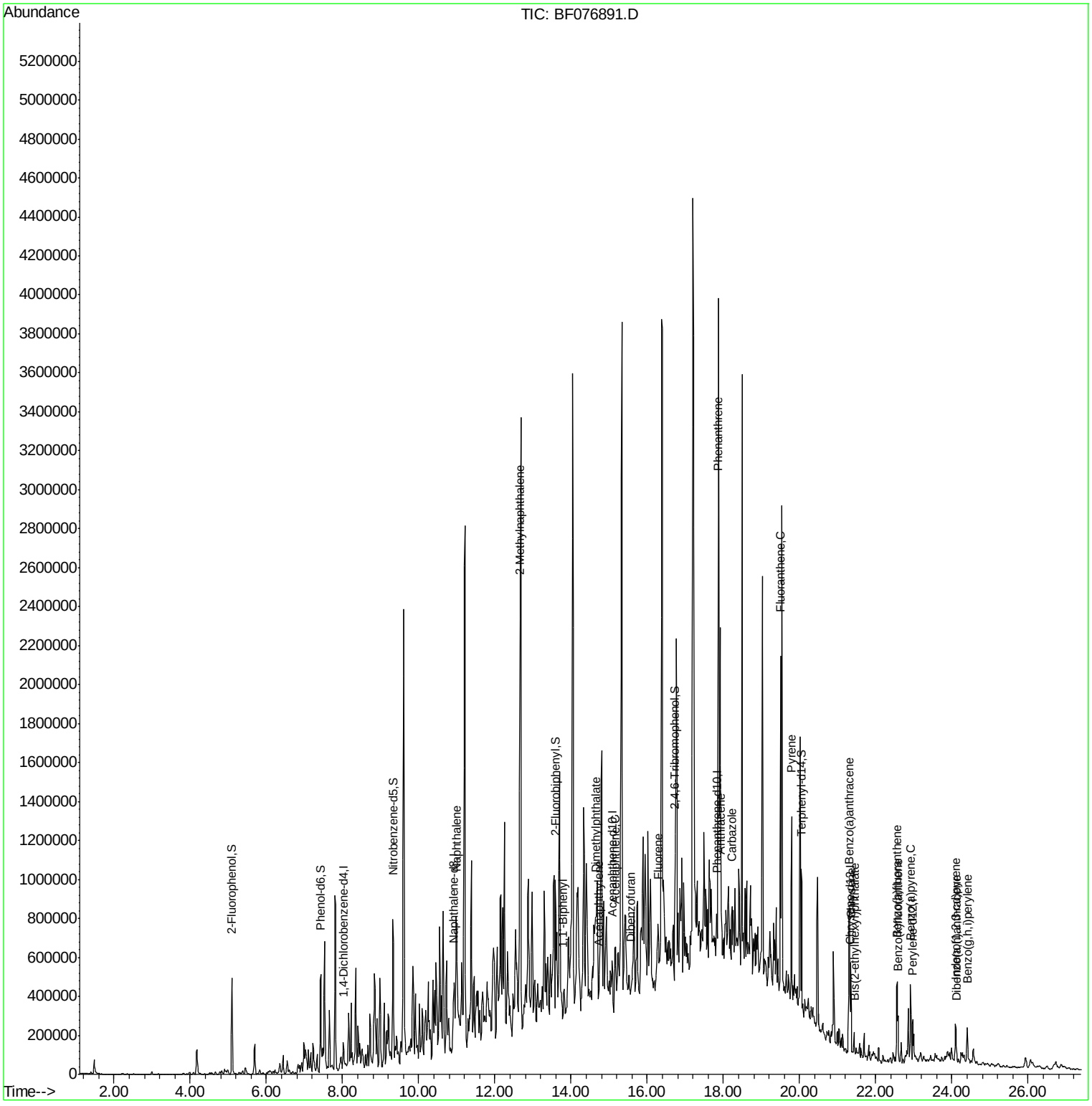
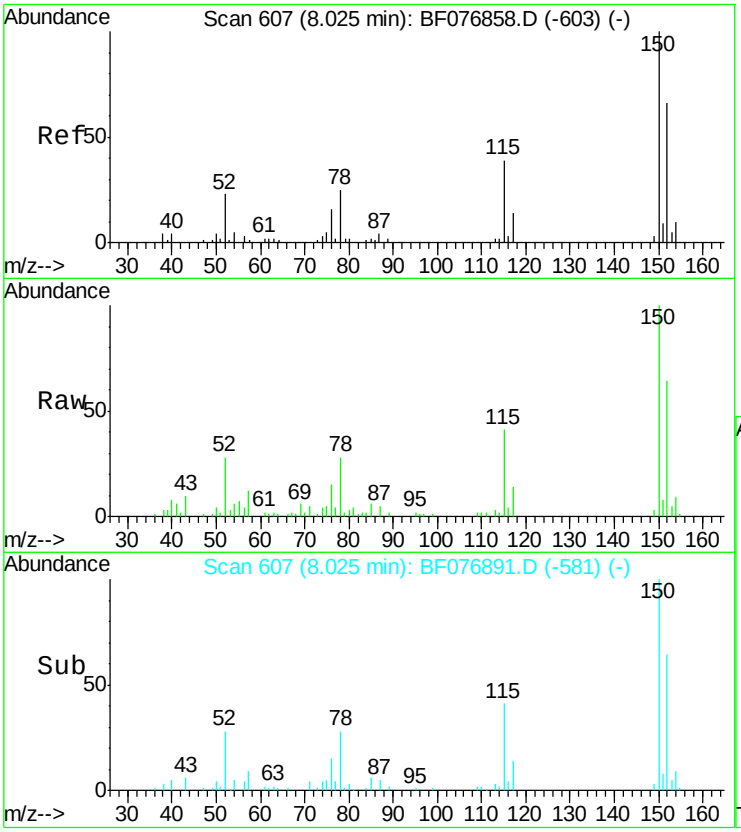


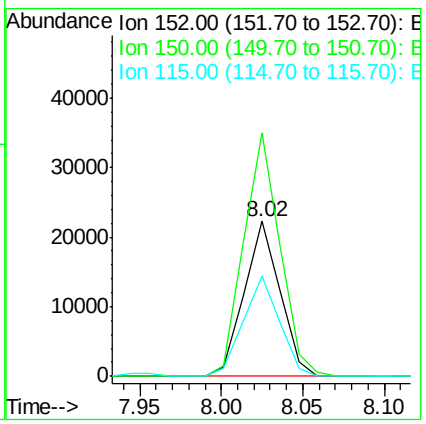


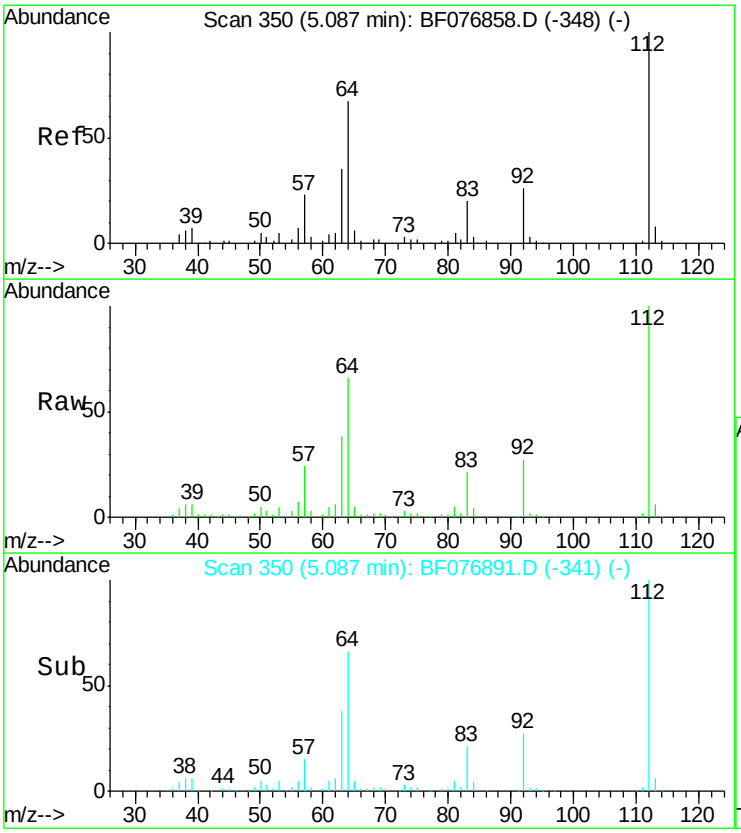
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:152 Resp: 33899

Ion	Ratio	Lower	Upper
152	100		
150	156.8	121.7	182.5
115	64.9	47.0	70.6

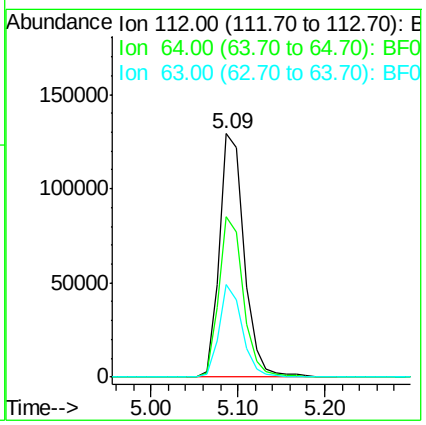


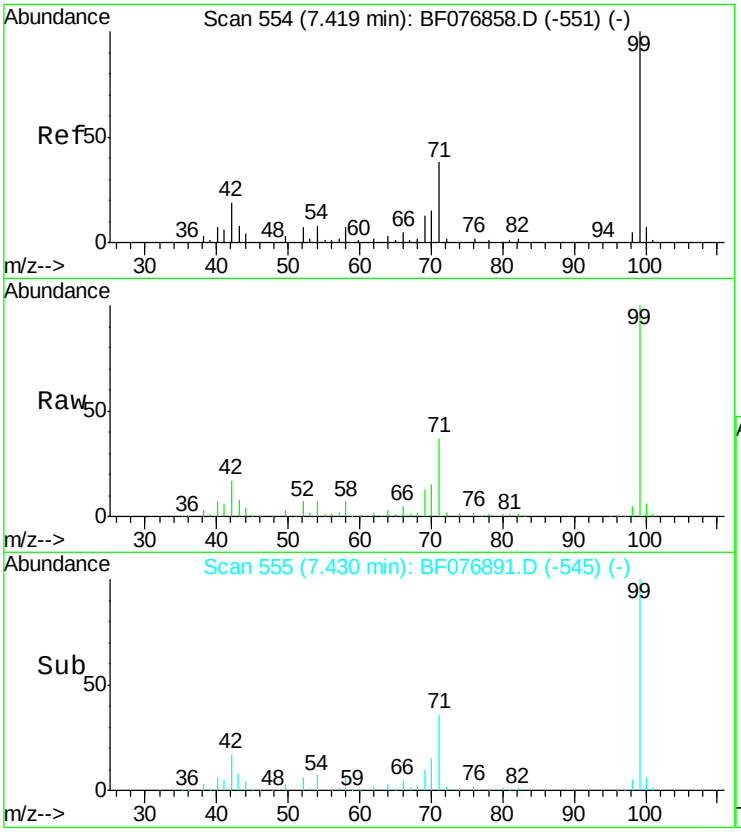


#5
2-Fluorophenol
Concen: 125.56 ng
RT: 5.09 min Scan# 350
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:112 Resp: 258875

Ion	Ratio	Lower	Upper
112	100		
64	65.8	54.2	81.4
63	38.2	28.4	42.6



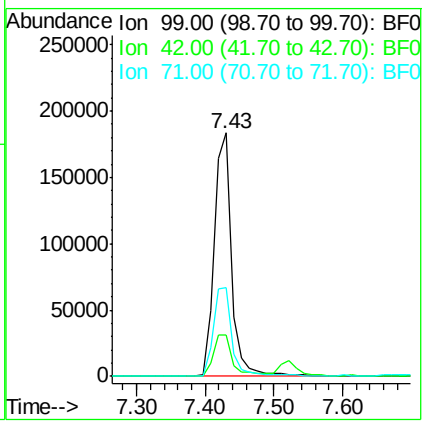


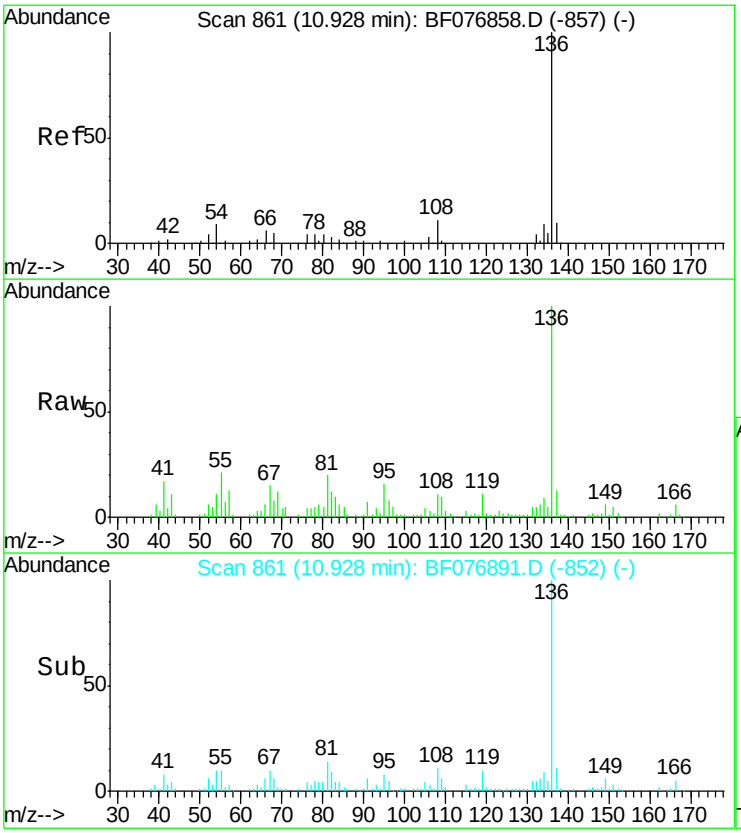
#7
Phenol-d6
Concen: 126.47 ng
RT: 7.43 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion: 99 Resp: 328936

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.4
71	36.6	30.5	45.7

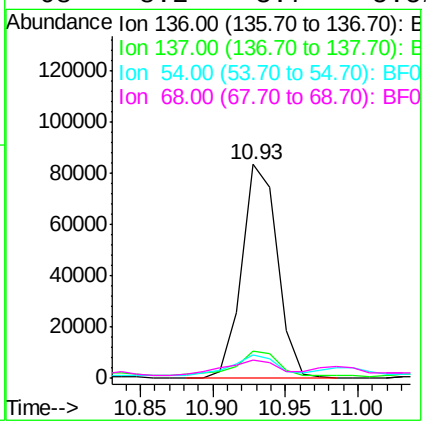


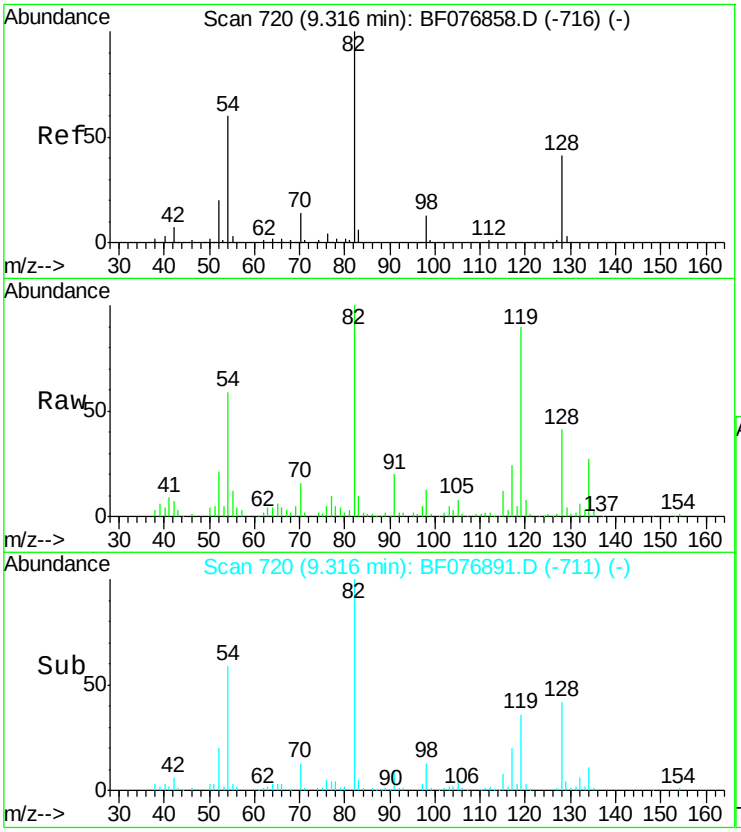


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:136 Resp: 141392

Ion	Ratio	Lower	Upper
136	100		
137	12.8	8.1	12.1#
54	11.0	7.0	10.4#
68	8.2	3.7	5.5#



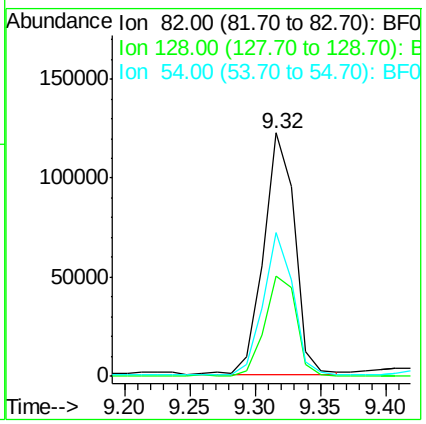


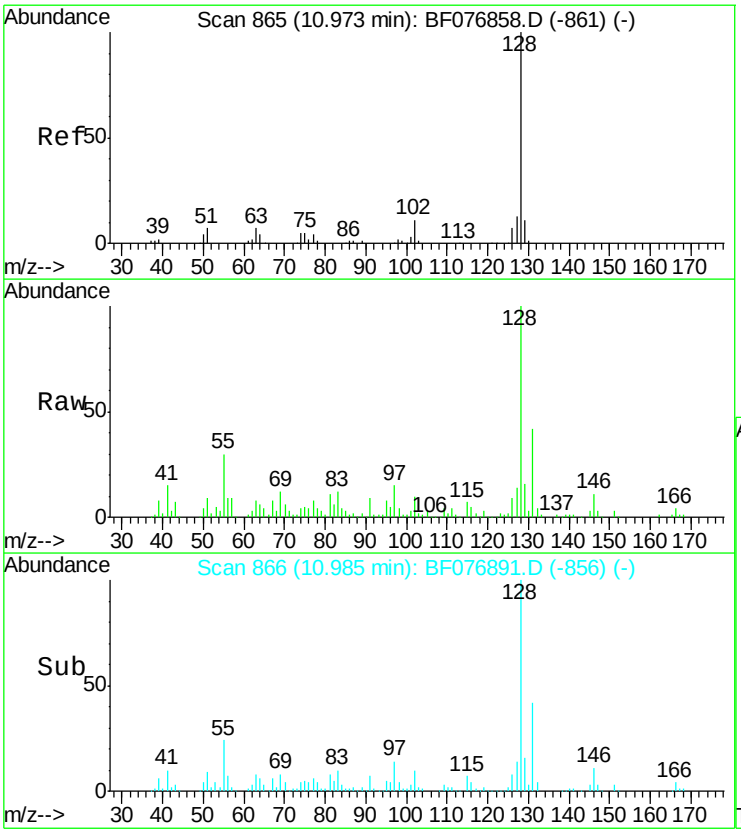
#23
Nitrobenzene-d5
Concen: 79.48 ng
RT: 9.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion: 82 Resp: 202853

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.1	49.7
54	58.9	48.3	72.5

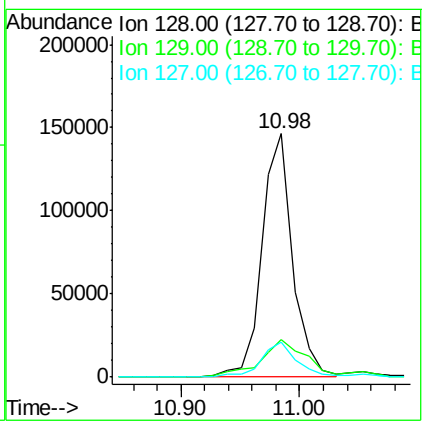


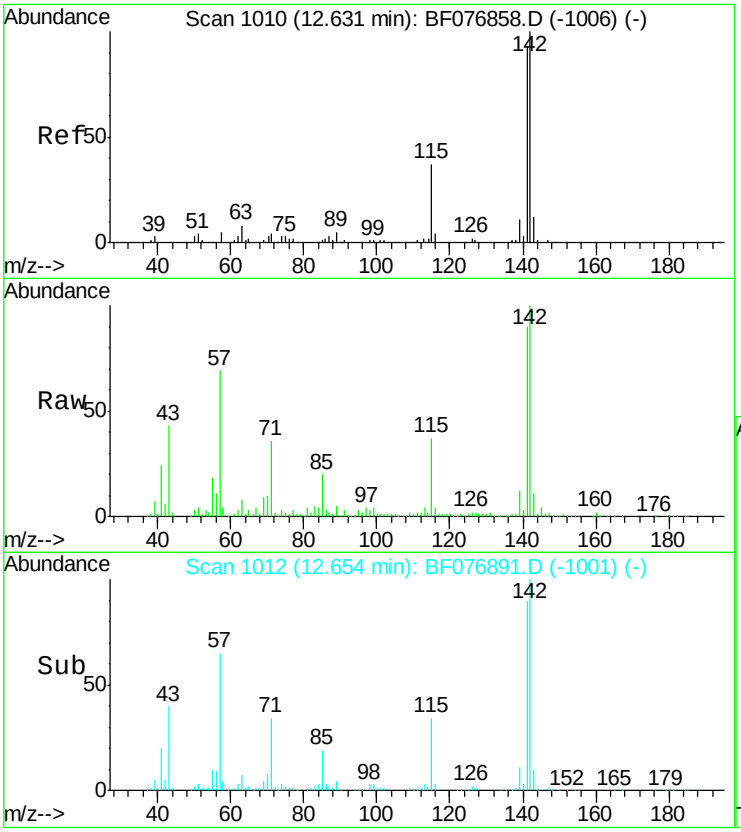


#31
Naphthalene
Concen: 36.05 ng
RT: 10.98 min Scan# 866
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:128 Resp: 262430

Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.0	13.6#
127	14.2	10.2	15.2



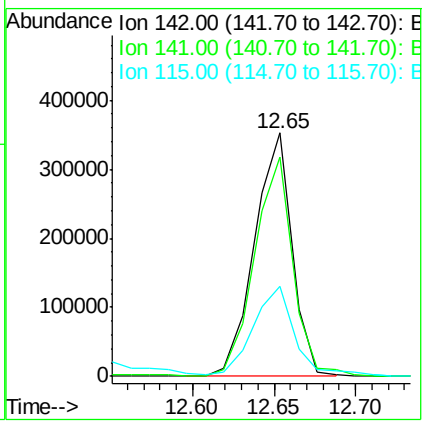


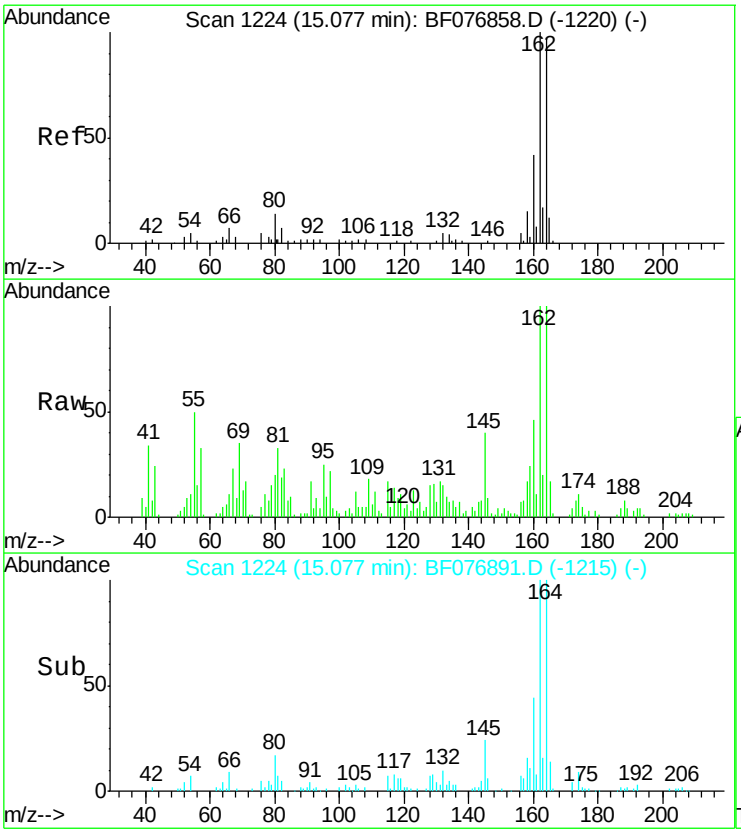
#37
2-Methylnaphthalene
Concen: 113.04 ng
RT: 12.65 min Scan# 1012
Delta R.T. 0.02 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:142 Resp: 561945

Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.5	111.7
115	37.0	29.7	44.5

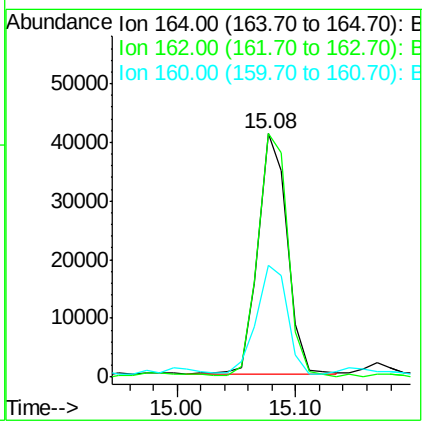


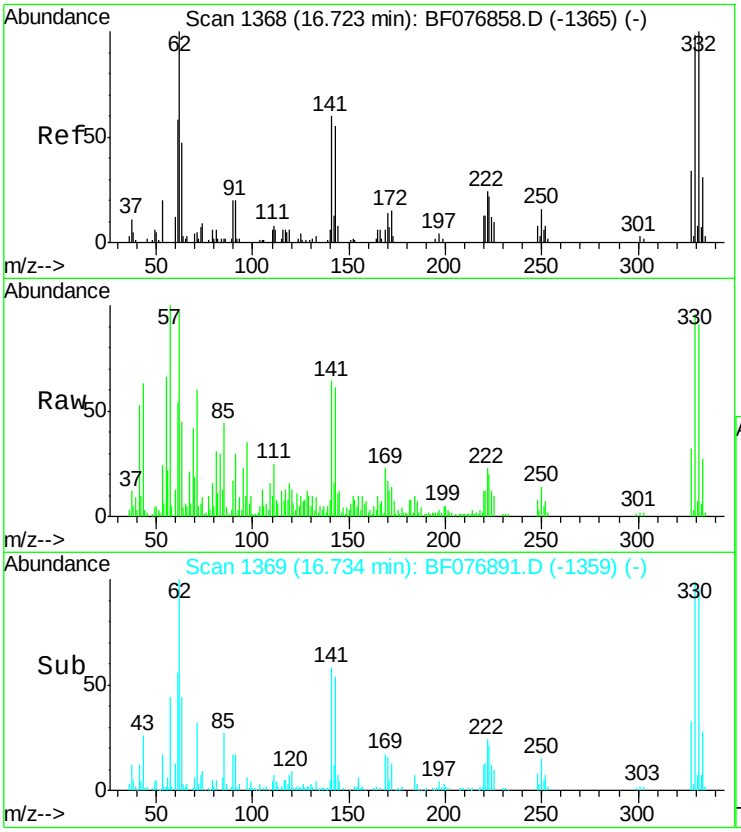


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.08 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:164 Resp: 70530

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.4	123.6
160	45.8	34.8	52.2



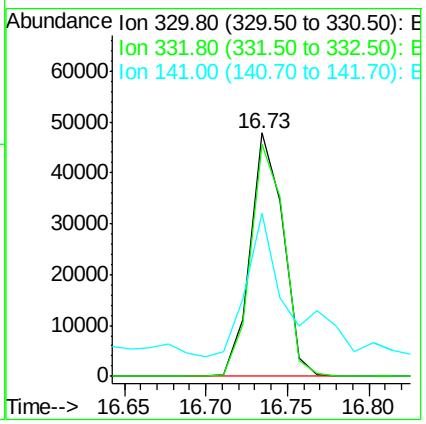


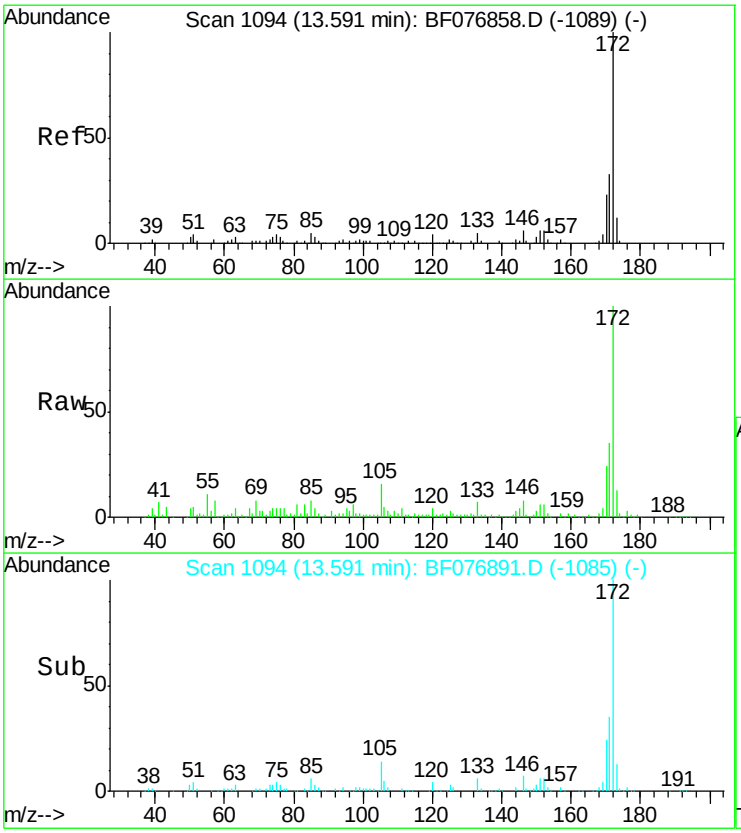
#41
2,4,6-Tribromophenol
Concen: 117.07 ng
RT: 16.73 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:330 Resp: 67025

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.6
141	75.2	38.5	57.7#

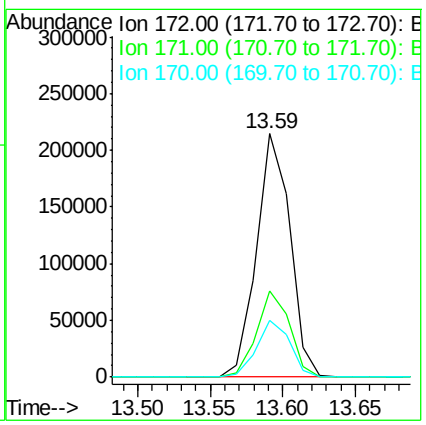


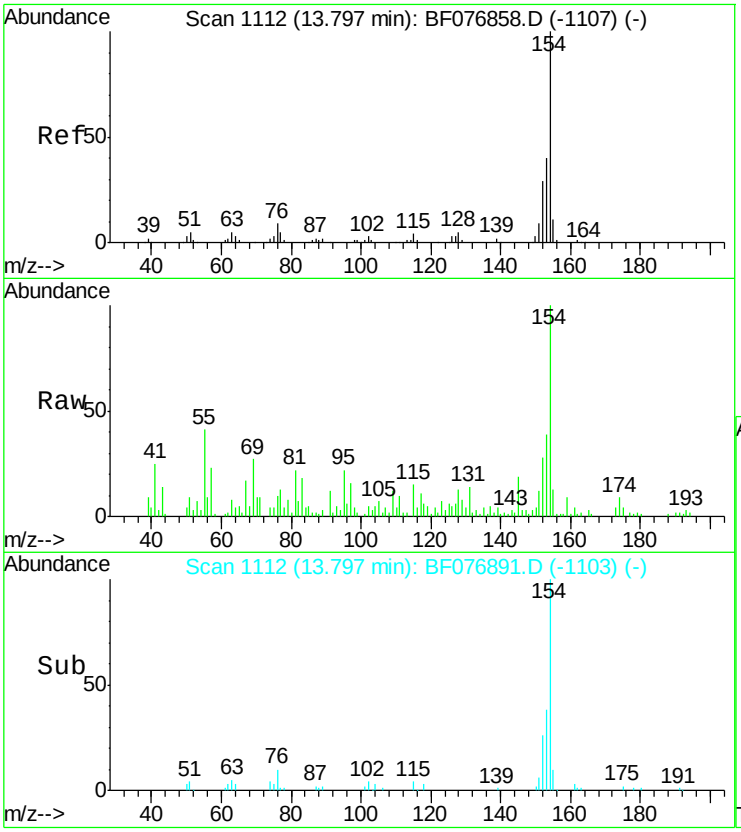


#44
2-Fluorobiphenyl
Concen: 73.98 ng
RT: 13.59 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:172 Resp: 342872

Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.6	40.0
170	23.6	18.0	27.0



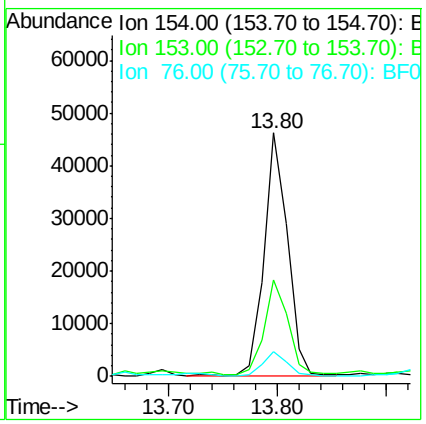


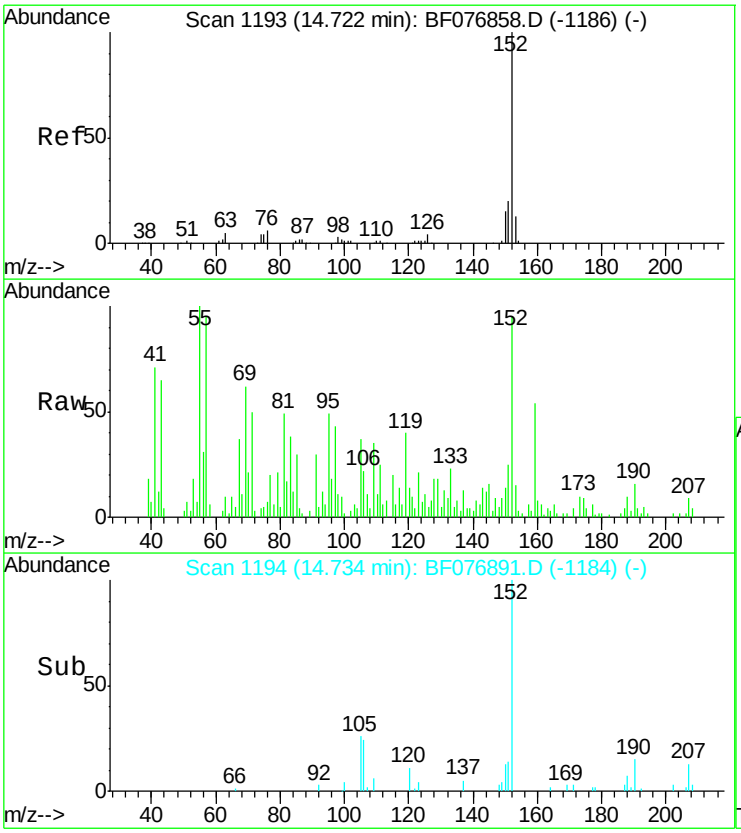
#45
1,1'-Biphenyl
Concen: 13.46 ng
RT: 13.80 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:154 Resp: 70389

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.2	60.2
76	10.2	0.0	29.0

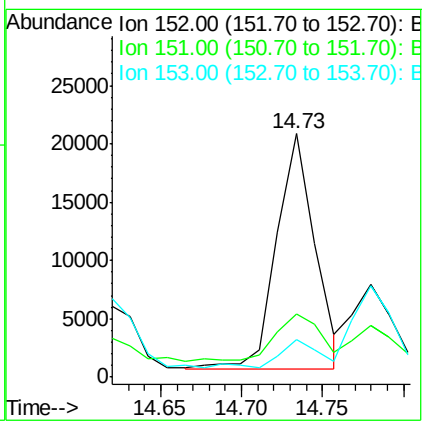


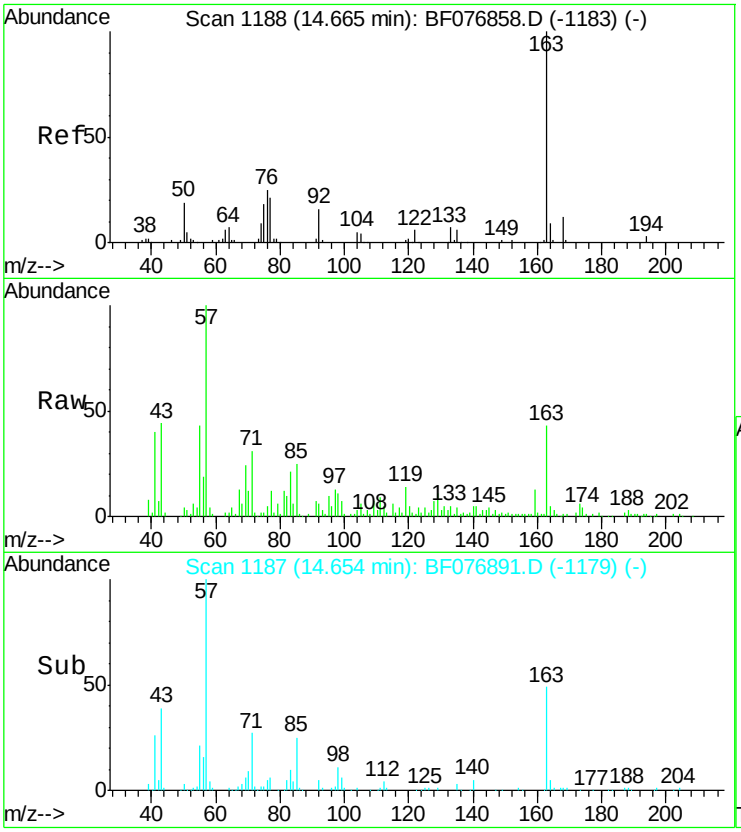


#48
Acenaphthylene
Concen: 4.56 ng m
RT: 14.73 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:152 Resp: 33069

Ion	Ratio	Lower	Upper
152	100		
151	26.1	15.9	23.9#
153	15.3	10.2	15.4



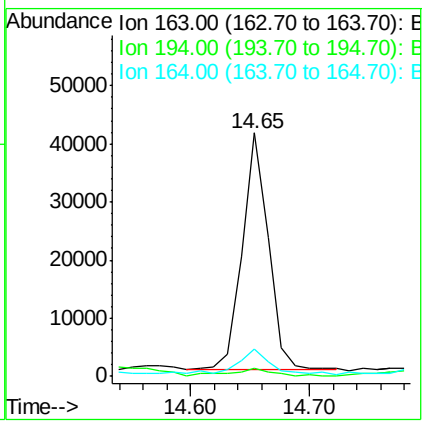


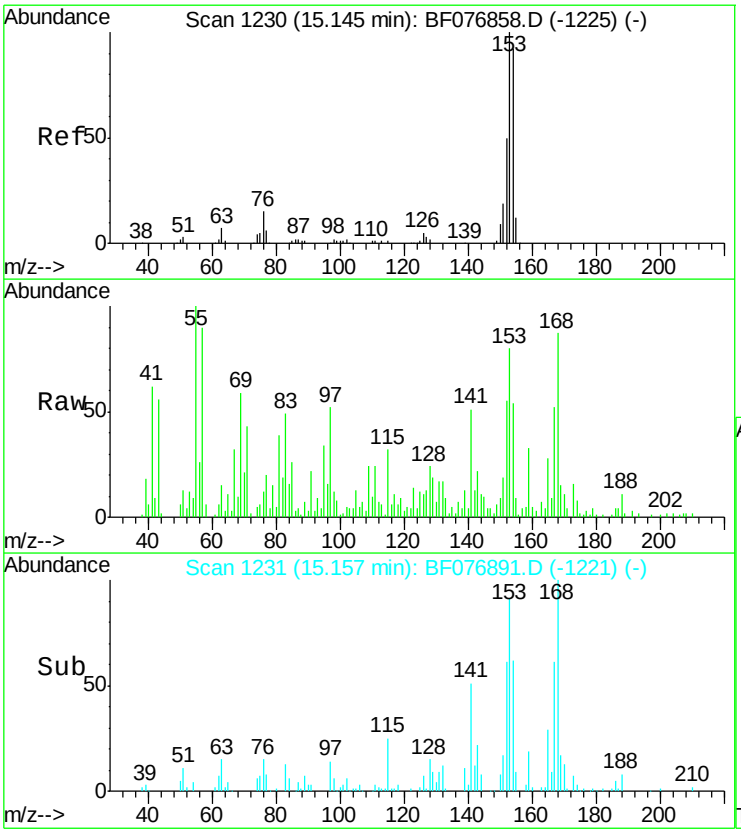
#49
Dimethylphthalate
Concen: 12.42 ng
RT: 14.65 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:163 Resp: 62113

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	11.2	7.5	11.3

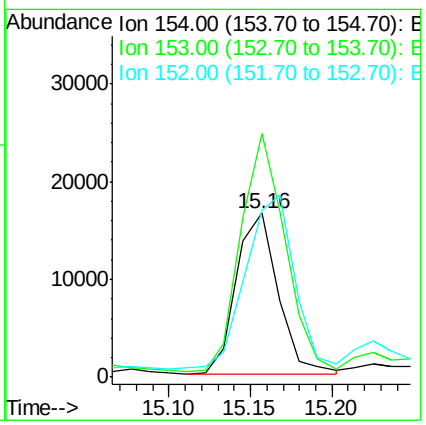


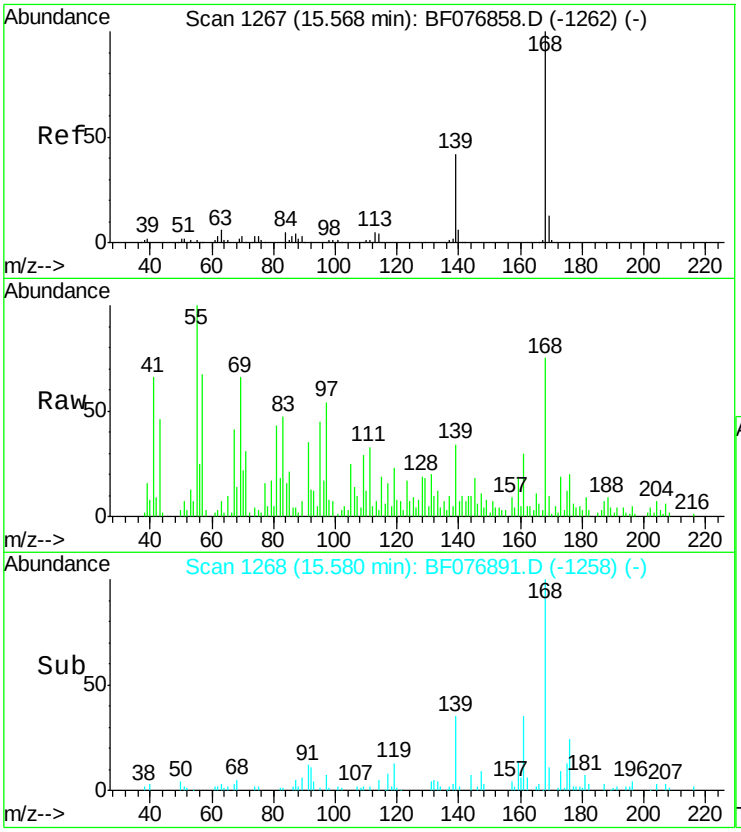


#51
Acenaphthene
Concen: 7.07 ng
RT: 15.16 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:154 Resp: 29107

Ion	Ratio	Lower	Upper
154	100		
153	148.4	87.0	130.6#
152	101.3	43.5	65.3#



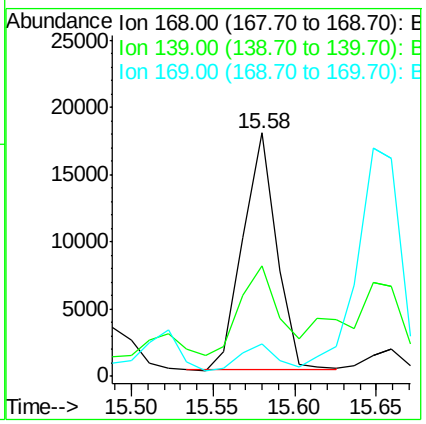


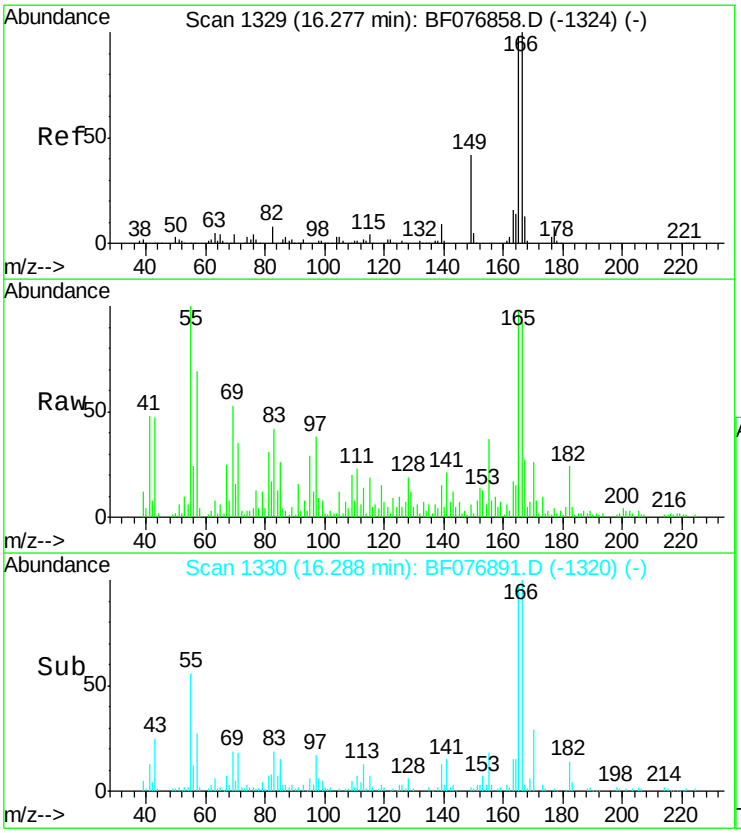
#54
Dibenzofuran
Concen: 4.22 ng
RT: 15.58 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:168 Resp: 25321

Ion	Ratio	Lower	Upper
168	100		
139	45.6	33.4	50.2
169	13.2	10.6	15.8

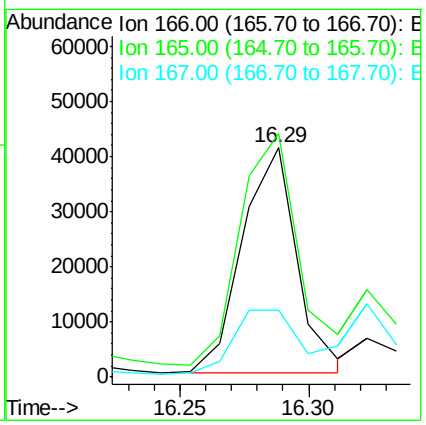


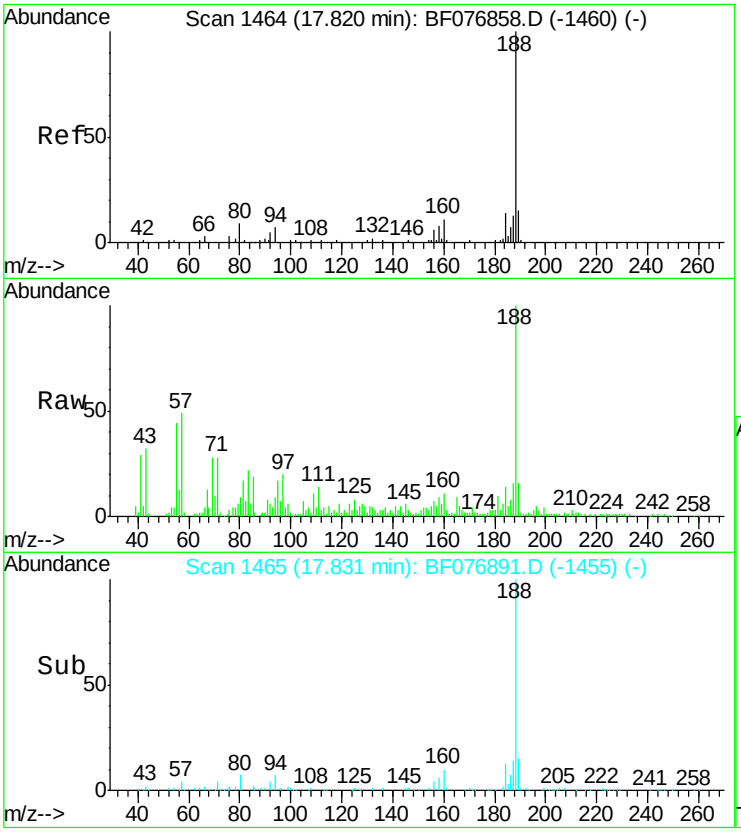


#57
Fluorene
Concen: 11.91 ng m
RT: 16.29 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:166 Resp: 60511

Ion	Ratio	Lower	Upper
166	100		
165	106.3	78.5	117.7
167	29.1	10.4	15.6#



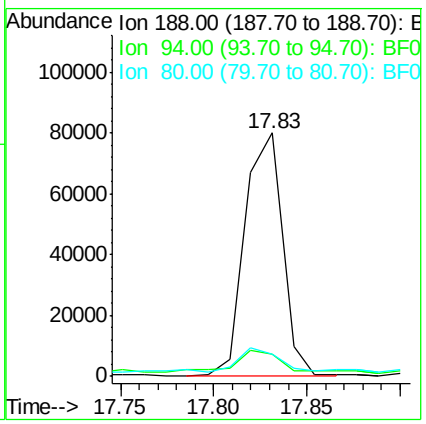


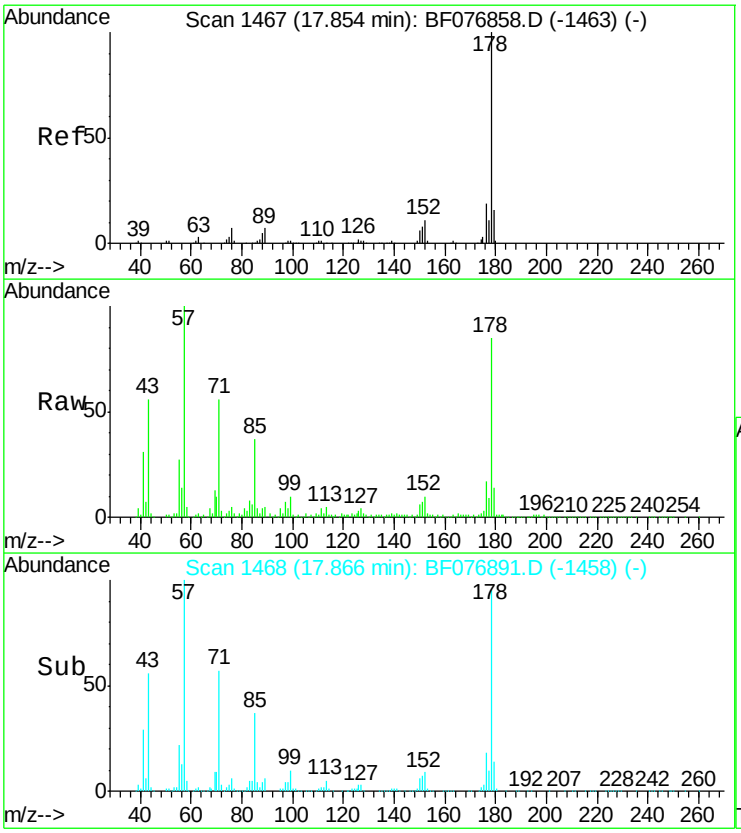
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.83 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:188 Resp: 111116

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.0	9.0#
80	9.1	6.9	10.3

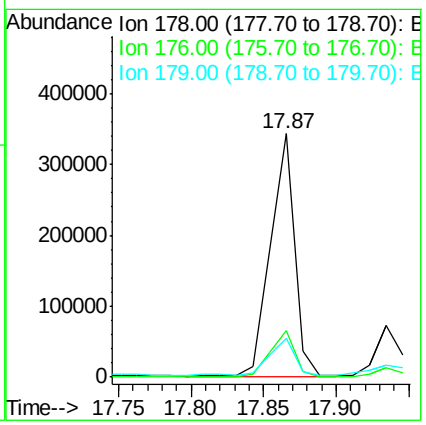


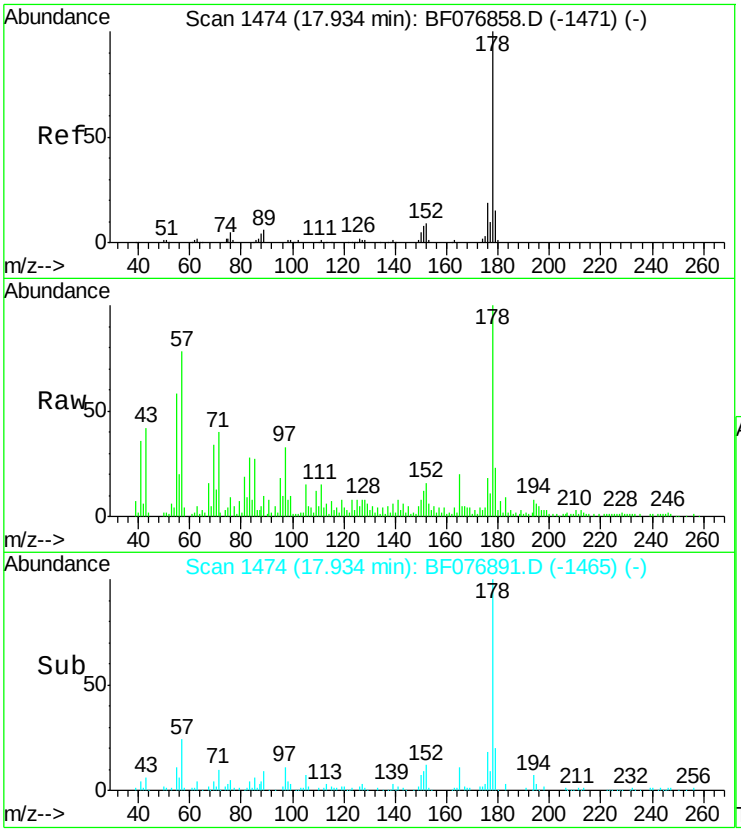


#70
Phenanthrene
Concen: 56.67 ng
RT: 17.87 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:178 Resp: 392669

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	16.0	12.7	19.1



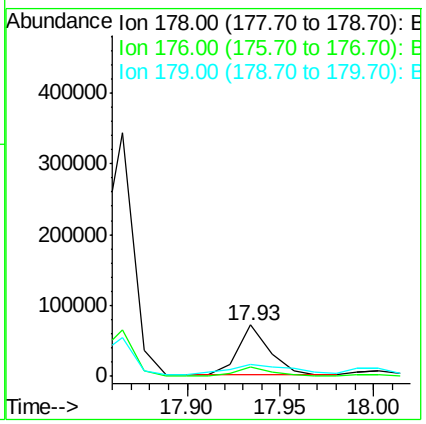


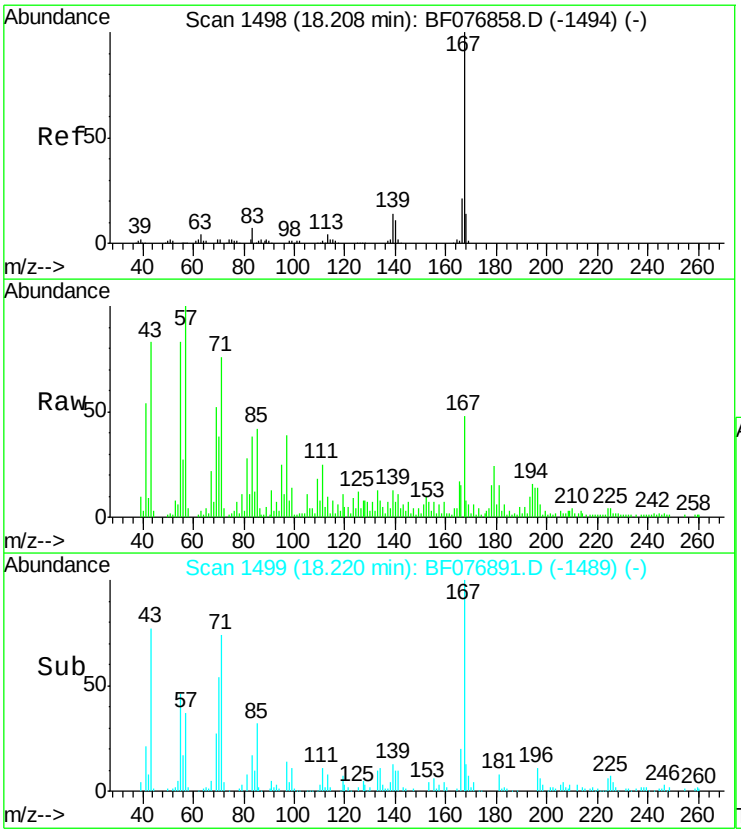
#71
Anthracene
Concen: 12.69 ng
RT: 17.93 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:178 Resp: 85779

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	23.1	11.9	17.9#

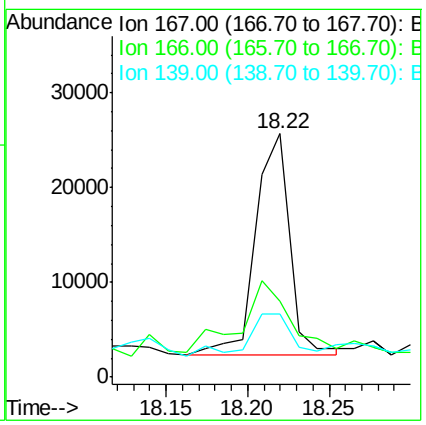


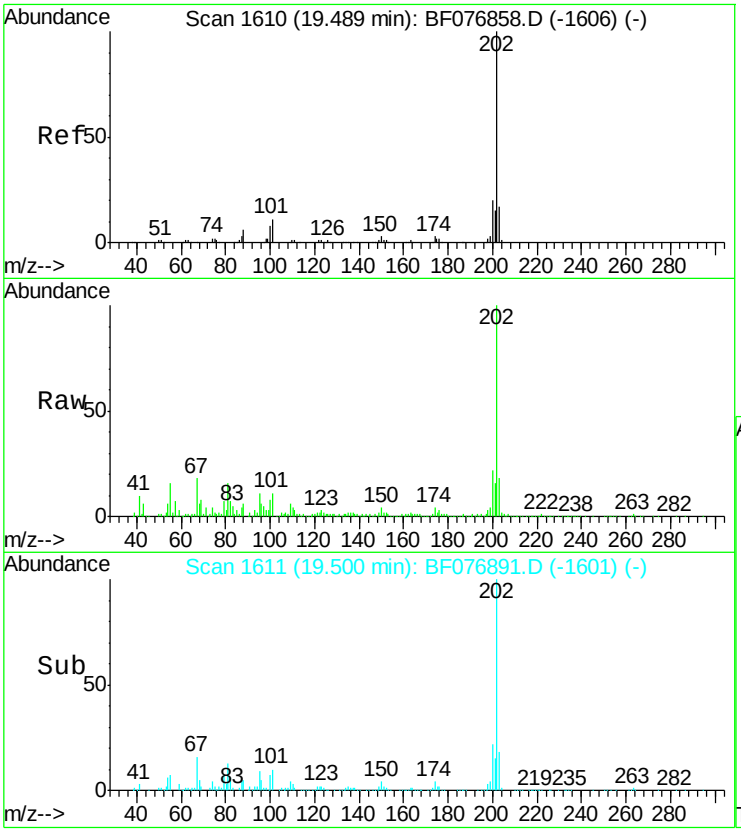


#72
Carbazole
Concen: 5.21 ng
RT: 18.22 min Scan# 1499
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:167 Resp: 34116

Ion	Ratio	Lower	Upper
167	100		
166	31.1	17.0	25.6#
139	25.8	11.3	16.9#



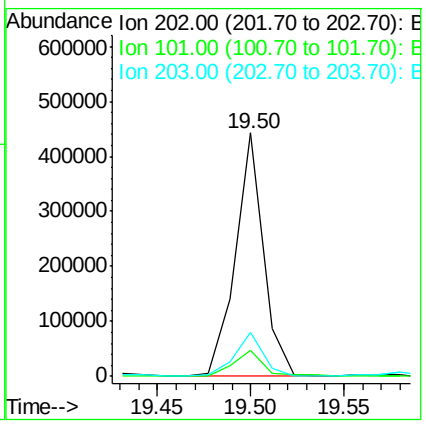


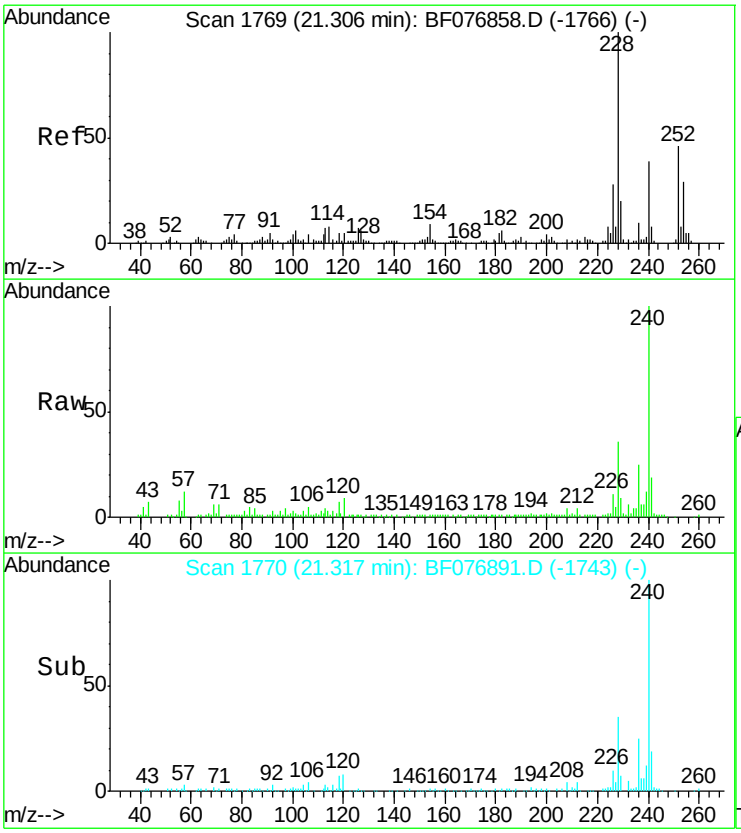
#74
Fluoranthene
Concen: 65.16 ng
RT: 19.50 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:202 Resp: 462642

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.7
203	18.0	0.0	36.9

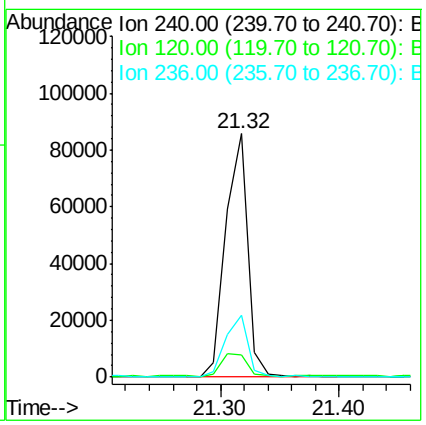


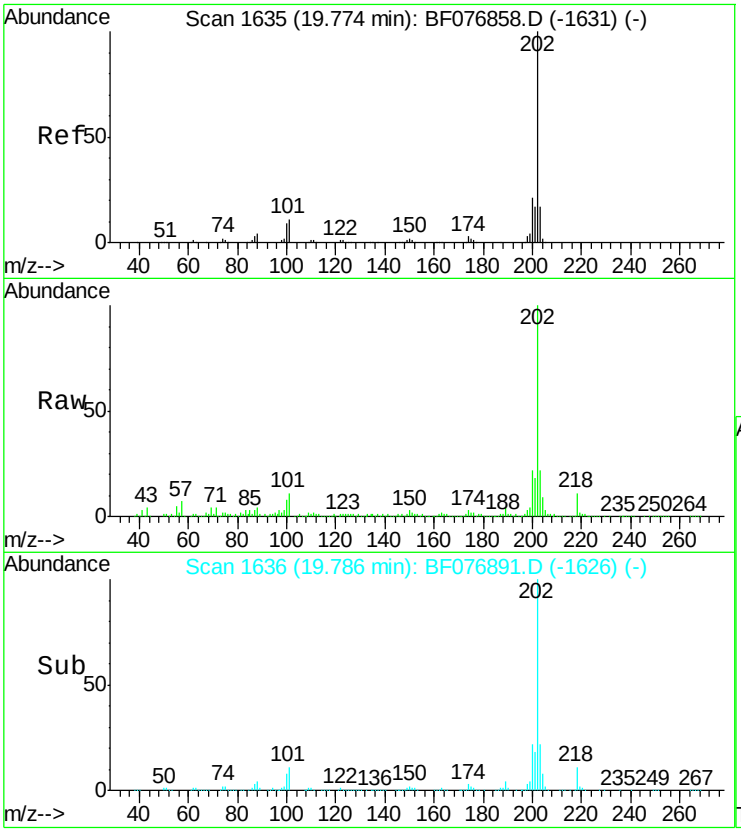


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.32 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:240 Resp: 110308

Ion	Ratio	Lower	Upper
240	100		
120	8.9	10.4	15.6#
236	25.4	20.2	30.2



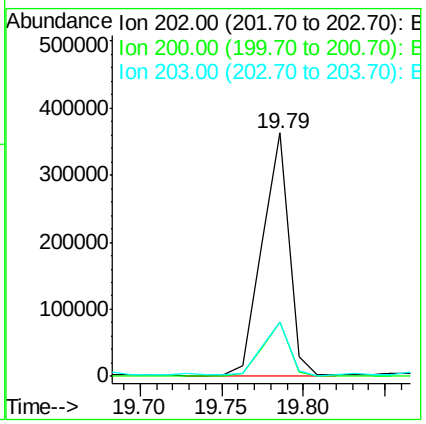


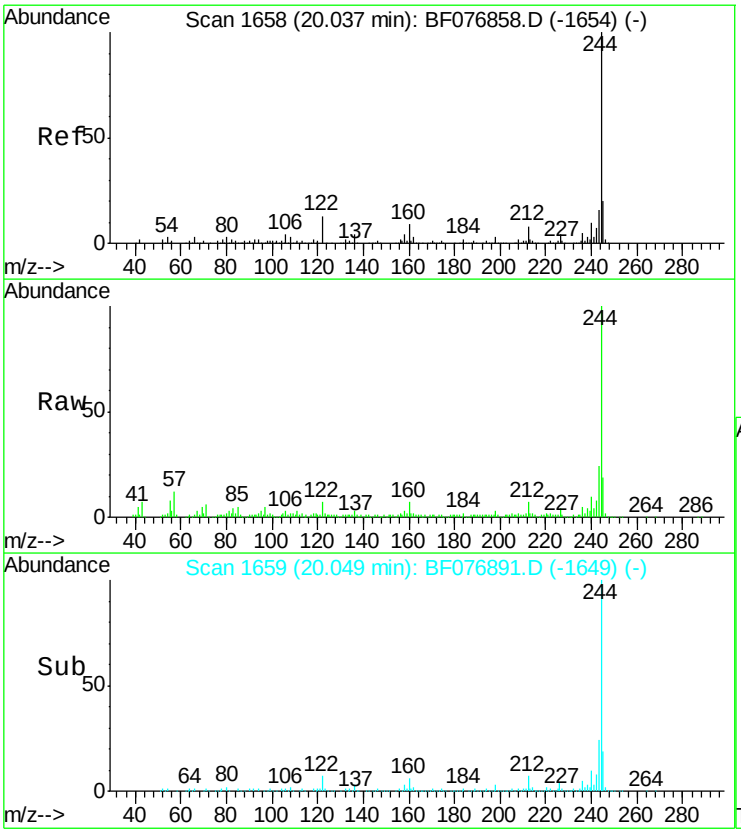
#77
Pyrene
Concen: 54.99 ng
RT: 19.79 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:202 Resp: 415722

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.7	25.1
203	22.5	14.0	21.0#

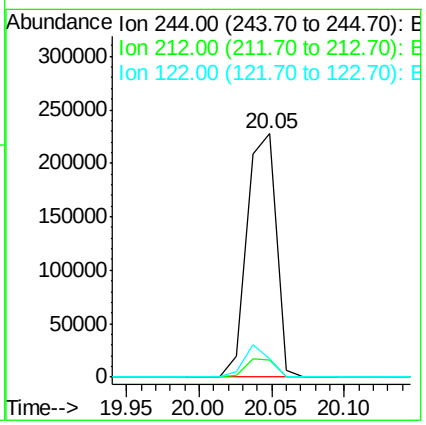


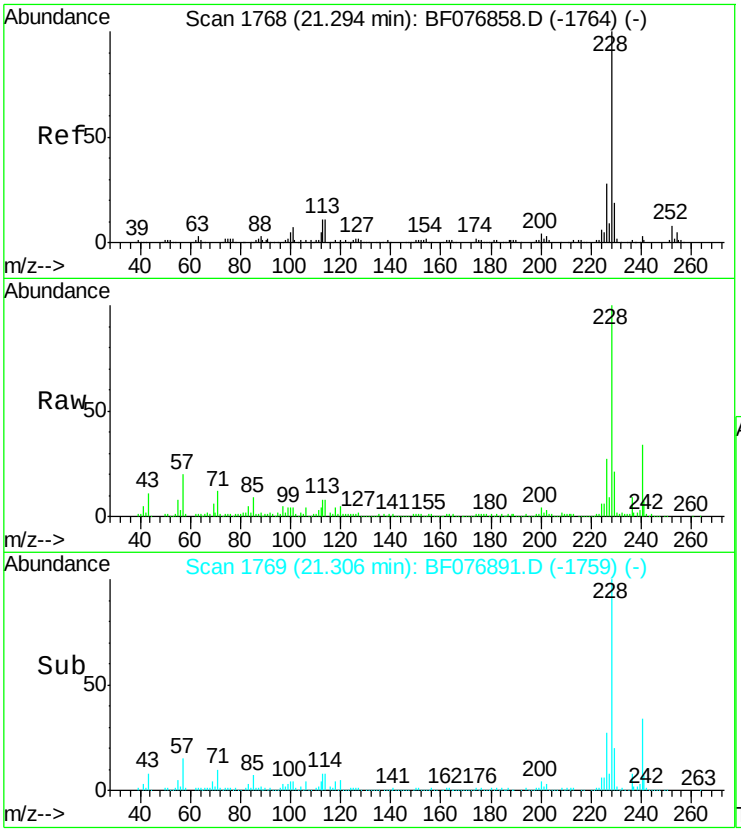


#78
Terphenyl-d14
Concen: 66.36 ng
RT: 20.05 min Scan# 1659
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:244 Resp: 317986

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	7.3	10.1	15.1#



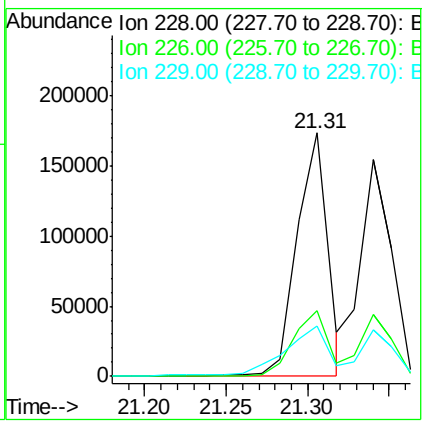


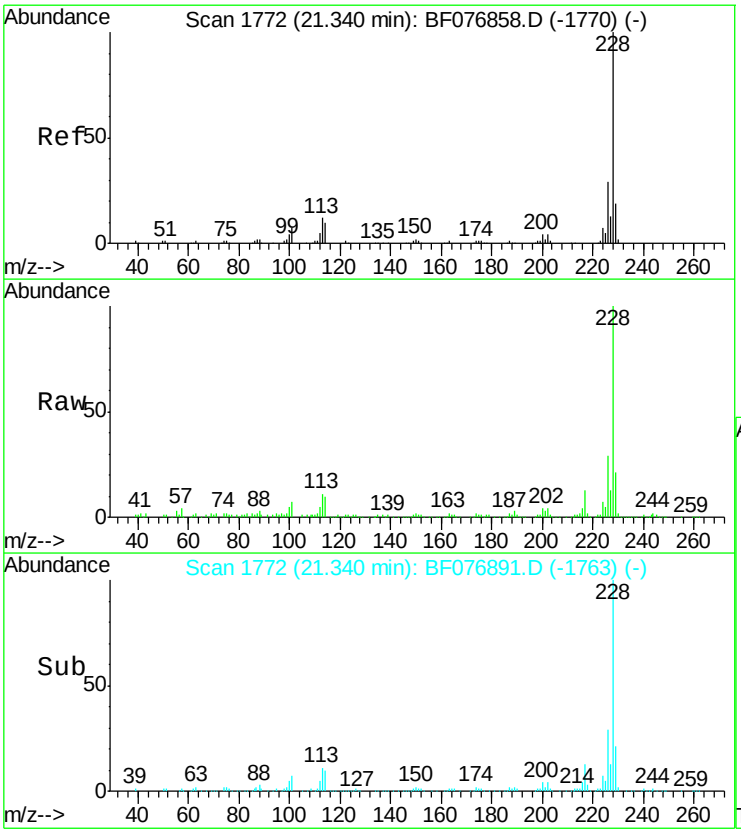
#80
Benzo(a)anthracene
Concen: 32.72 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:228 Resp: 226434

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	20.7	15.5	23.3

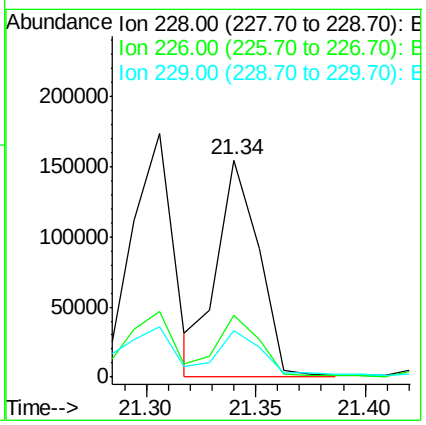


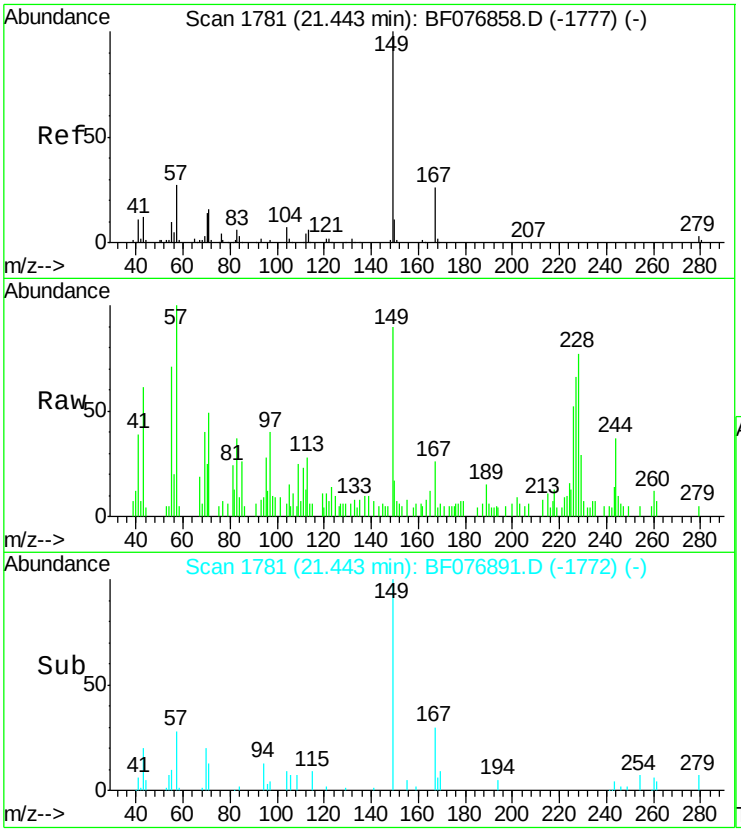


#82
Chrysene
Concen: 32.86 ng m
RT: 21.34 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:228 Resp: 207393

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.0
229	21.5	15.4	23.0



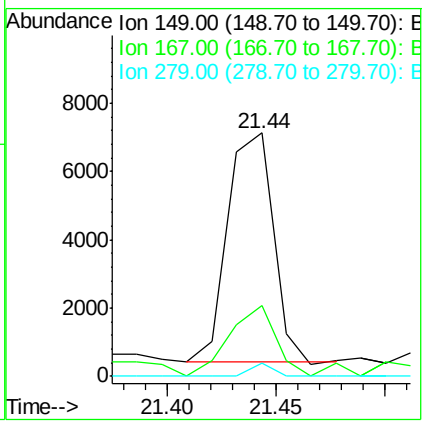


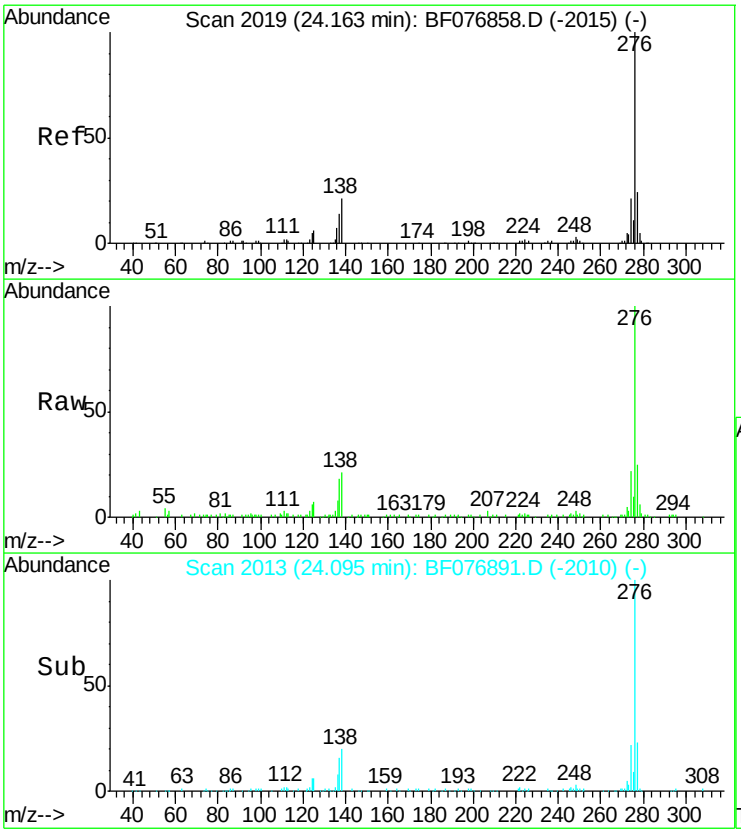
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.06 ng
RT: 21.44 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:149 Resp: 9740

Ion	Ratio	Lower	Upper
149	100		
167	28.9	20.6	30.8
279	5.6	2.2	3.2#

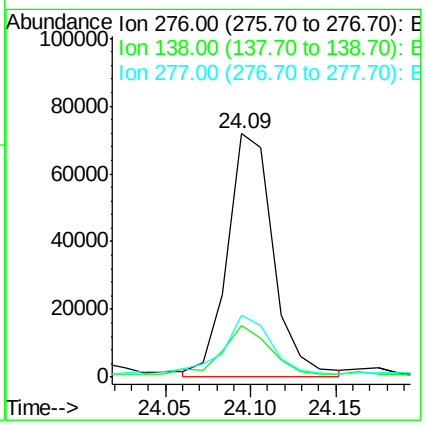


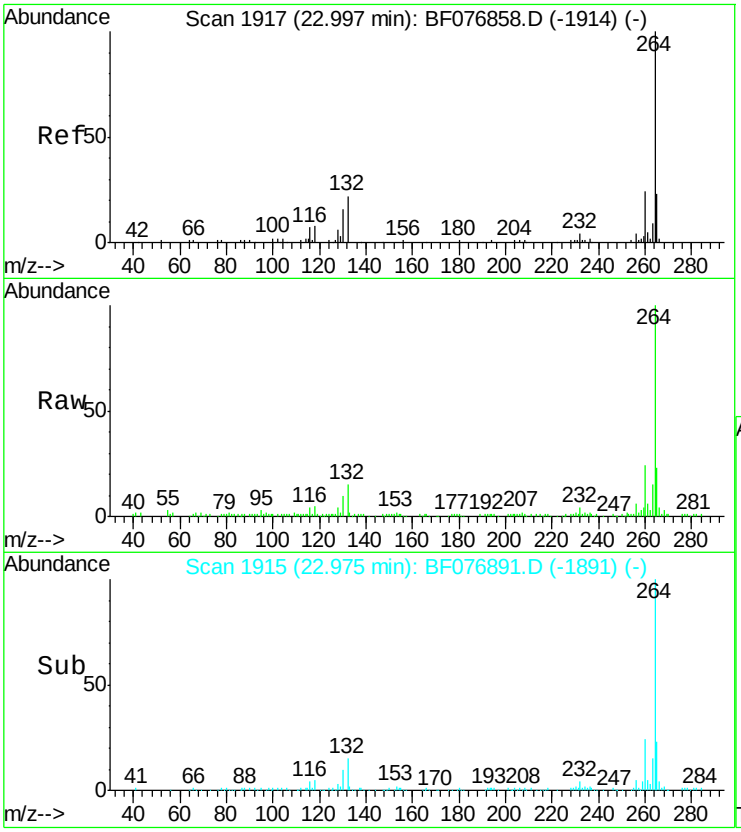


#85
Indeno(1,2,3-cd)pyrene
Concen: 20.18 ng m
RT: 24.09 min Scan# 2013
Delta R.T. -0.07 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:276 Resp: 134953

Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.6	22.0#
277	0.0	14.8	22.2#



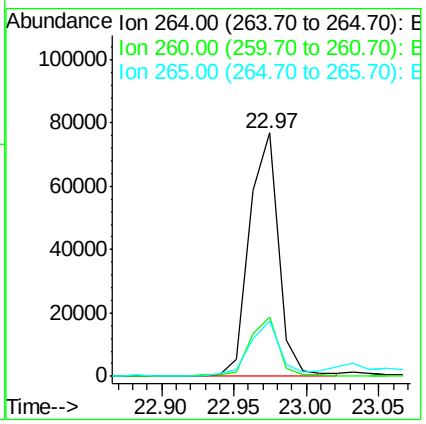


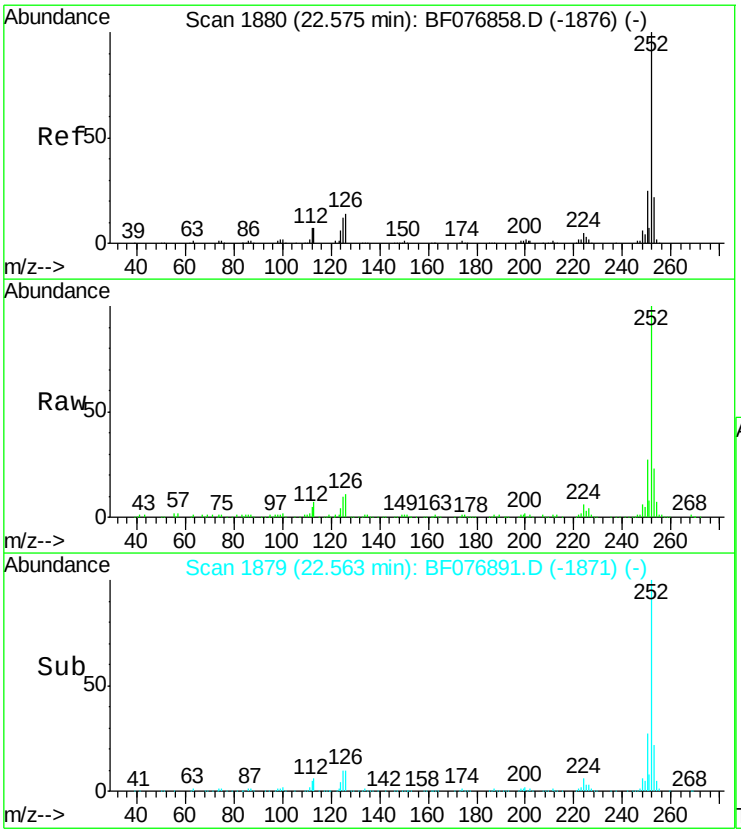
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.97 min Scan# 1915
Delta R.T. -0.02 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:264 Resp: 107214

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.9	18.1	27.1

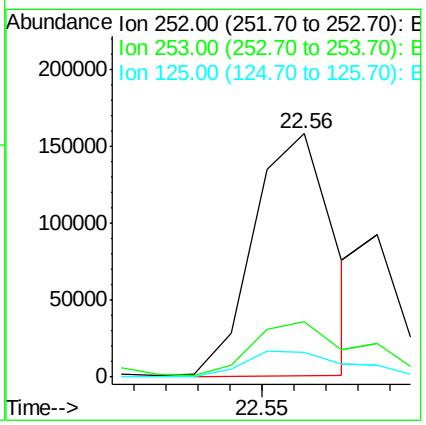


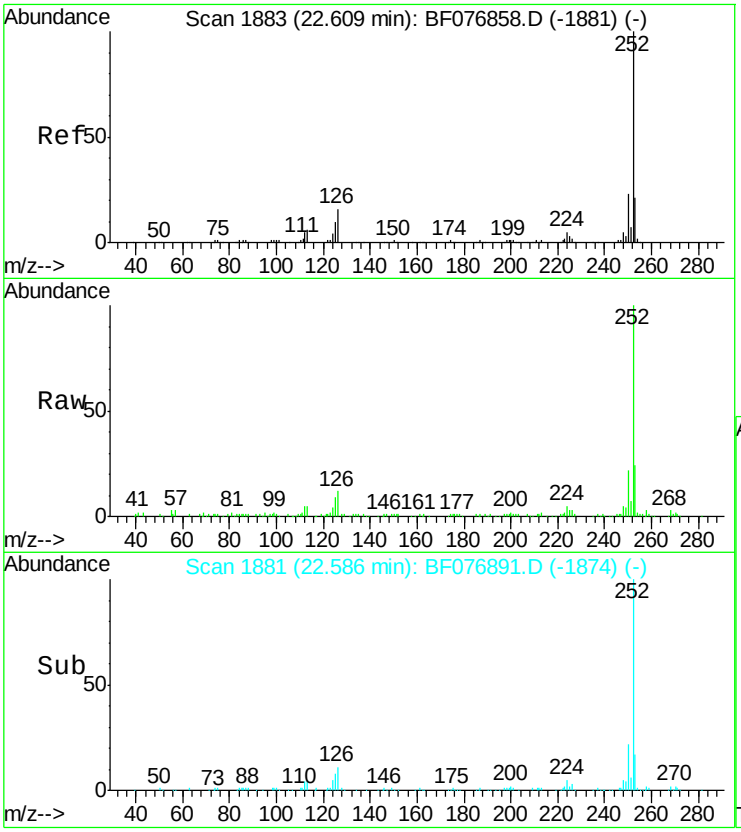


#87
Benzo(b)fluoranthene
Concen: 37.67 ng m
RT: 22.56 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:252 Resp: 271985

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.1	9.4	14.0



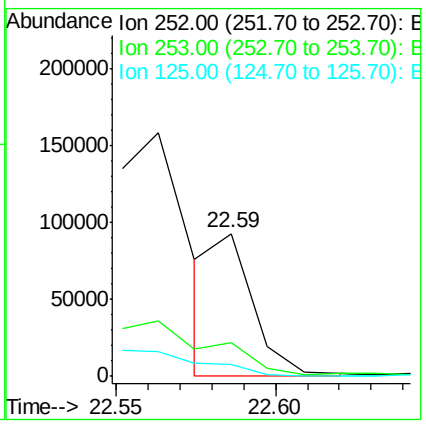


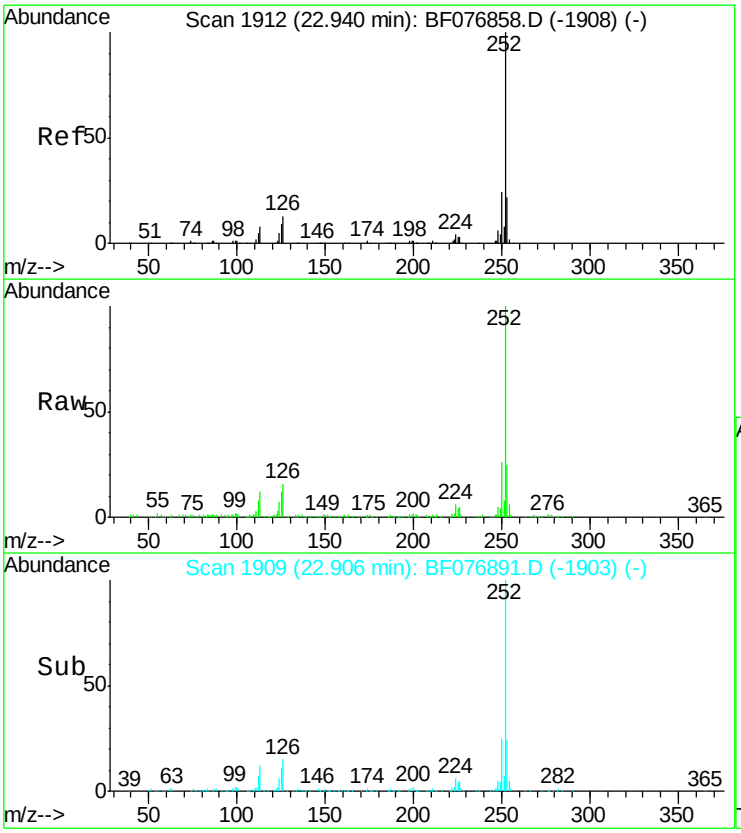
#88
Benzo(k)fluoranthene
Concen: 12.67 ng m
RT: 22.59 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:252 Resp: 79958

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	8.8	7.1	10.7

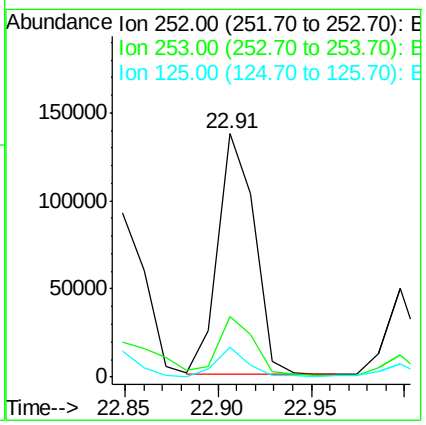


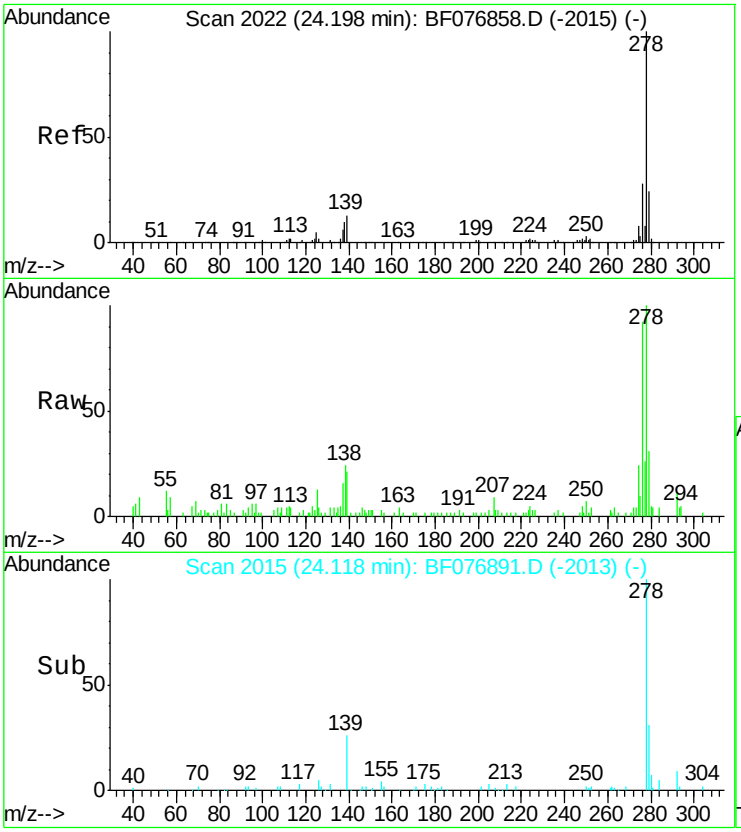


#89
Benzo(a)pyrene
Concen: 29.49 ng
RT: 22.91 min Scan# 1909
Delta R.T. -0.03 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:252 Resp: 187803

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	12.3	7.2	10.8#



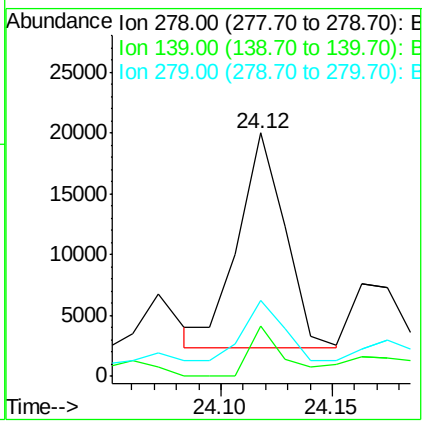


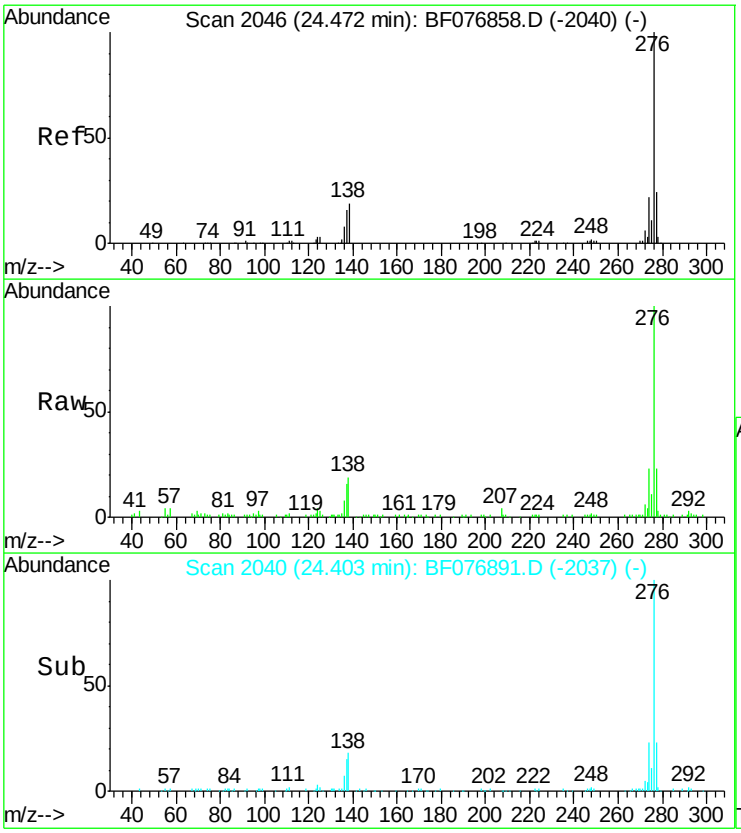
#90
Dibenzo(a,h)anthracene
Concen: 4.51 ng m
RT: 24.12 min Scan# 2015
Delta R.T. -0.08 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

Tgt Ion:278 Resp: 26378

Ion	Ratio	Lower	Upper
278	100		
139	20.6	10.5	15.7#
279	31.3	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 20.02 ng
RT: 24.40 min Scan# 2040
Delta R.T. -0.07 min
Lab File: BF076891.D
Acq: 15 Jan 2015 19:07

Tgt Ion:276 Resp: 116315

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	18.7	15.0	22.6