Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3

Quant Time: Jan 20 10:39:06 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 20 06:05:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	35263	20.00	ng		0.01
21) Naphthalene-d8	10.88	136	154741	20.00	ng		0.00
38) Acenaphthene-d10	15.02	164	81357	20.00	ng		0.01
63) Phenanthrene-d10	17.79	188	133827	20.00	ng		0.01
75) Chrysene-d12	21.28	240	129106	20.00	ng		0.01
86) Perylene-d12	22.93	264	118456	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.04	112	220853	102.97	ng		0.00
7) Phenol-d6	7.37	99	278902	103.08	ng		-0.01
23) Nitrobenzene-d5	9.27	82	175510	62.84	ng		0.00
41) 2,4,6-Tribromophenol	16.69	330	61096	92.51	ng		0.00
44) 2-Fluorobiphenyl	13.53	172	332665	62.23	ng		0.00
78) Terphenyl-d14	20.01	244	297403	53.03	ng		0.01
Target Compounds							Qvalue
10) Phenol	7.41	94	10419	3.63	ng		87
49) Dimethylphthalate	14.60	163	39856	6.91	ng		96
51) Acenaphthene	15.09	154	53087	11.18	ng		92
54) Dibenzofuran	15.51	168	33183	4.80	ng		94
57) Fluorene	16.23	166	40134	6.85	ng		99
70) Phenanthrene	17.82	178	624864	74.87	ng		99
71) Anthracene	17.89	178	153892	18.91	ng		98
72) Carbazole	18.17	167	78625	9.96	ng		98
74) Fluoranthene	19.47	202	1102957	128.98	ng		97
77) Pyrene	19.75	202	1095677	123.83	ng	#	91
80) Benzo(a)anthracene	21.27	228	625595	77.23	ng		98
82) Chrysene	21.32	228	494447	66.94	ng		96
85) Indeno(1,2,3-cd)pyrene	24.05	276	290530m	37.11	ng		
87) Benzo(b)fluoranthene	22.53	252	654644m	82.05	ng		
88) Benzo(k)fluoranthene	22.55	252	243821m	34.98	ng		
89) Benzo(a)pyrene	22.88	252	476081m	67.65	ng		
90) Dibenzo(a,h)anthracene	24.06	278	64233m	9.95	ng		
91) Benzo(g,h,i)perylene	24.35	276	263372m	41.03	ng		

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

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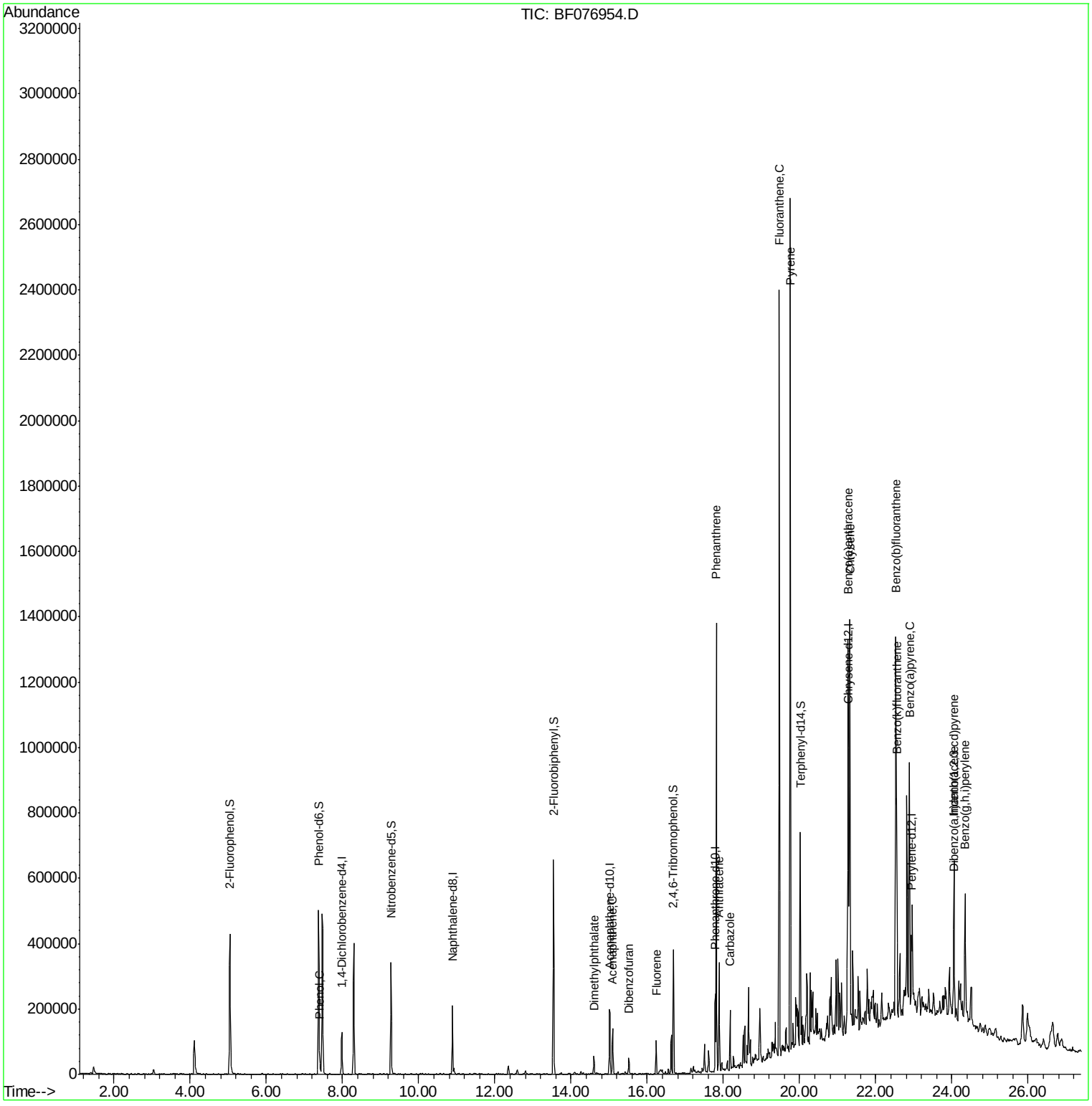
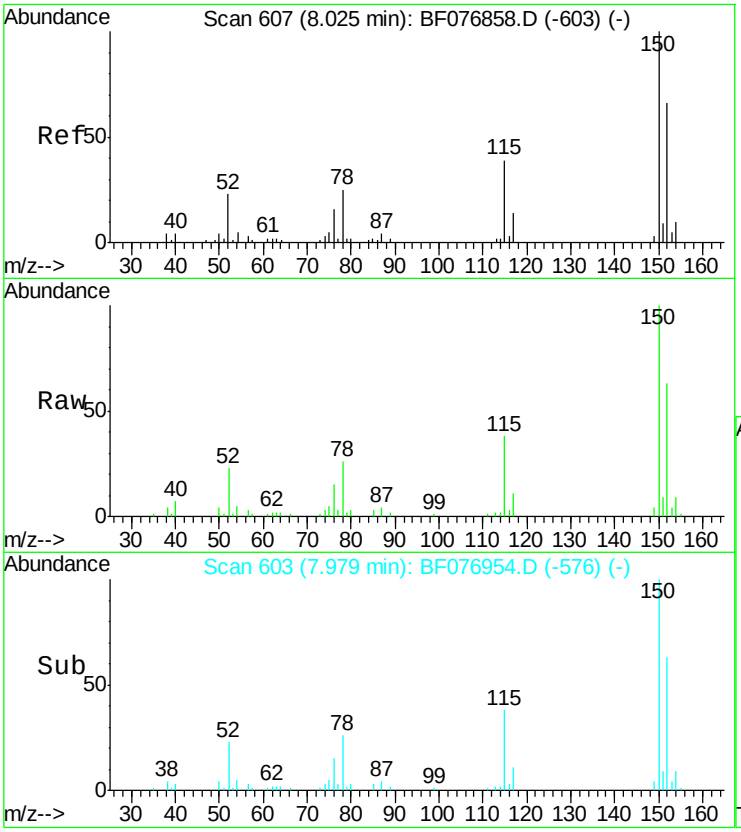


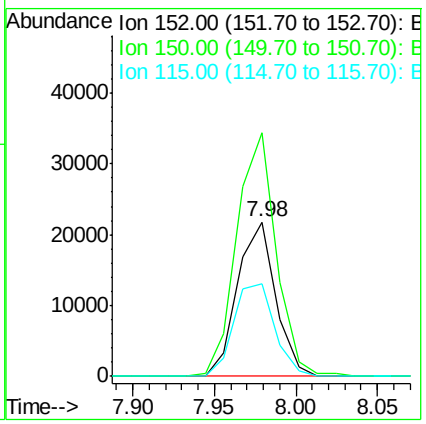


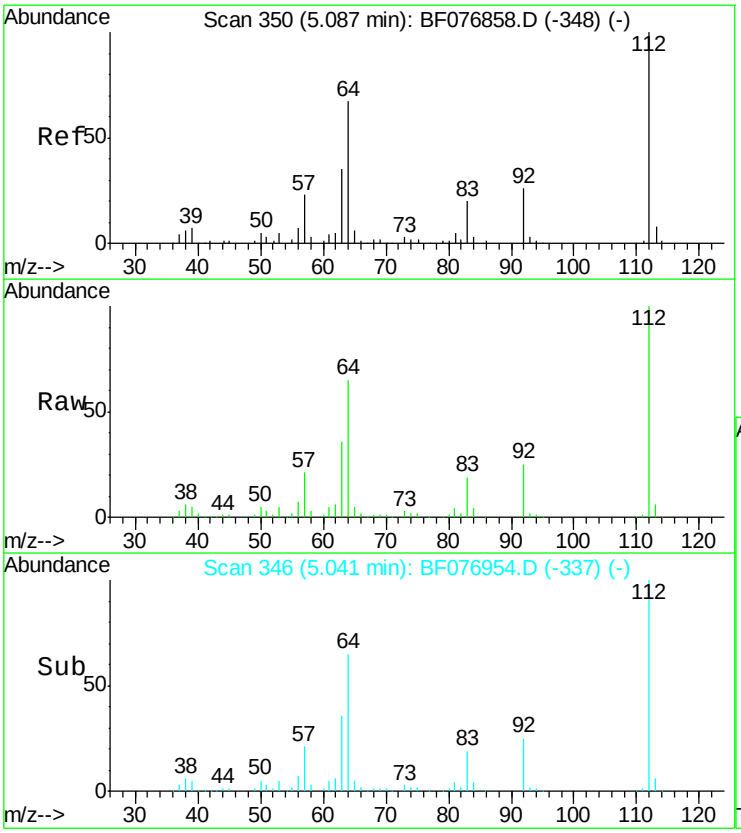
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.98 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:152 Resp: 35263

Ion	Ratio	Lower	Upper
152	100		
150	157.9	121.7	182.5
115	60.0	47.0	70.6

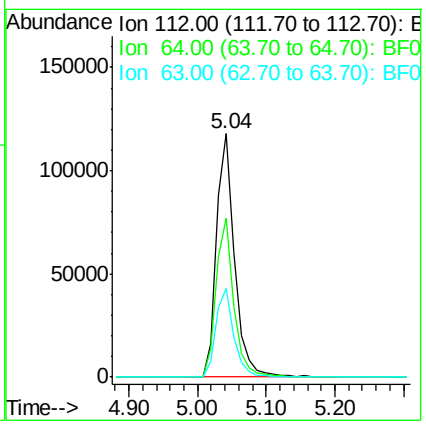


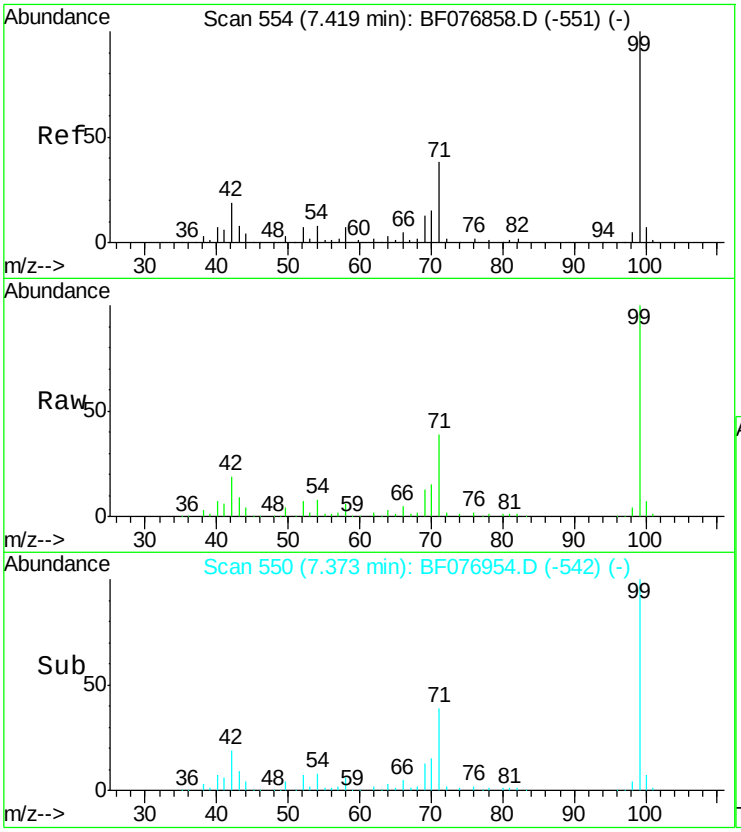


#5
2-Fluorophenol
Concen: 102.97 ng
RT: 5.04 min Scan# 346
Delta R.T. -0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:112 Resp: 220853

Ion	Ratio	Lower	Upper
112	100		
64	65.2	54.2	81.4
63	36.4	28.4	42.6



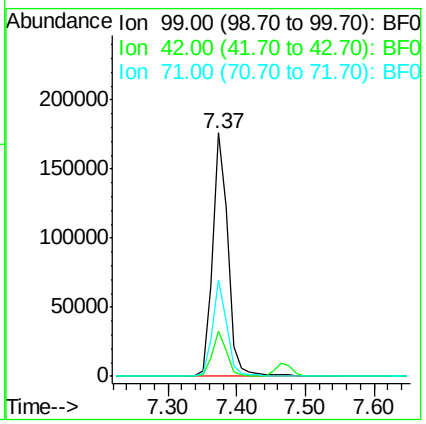


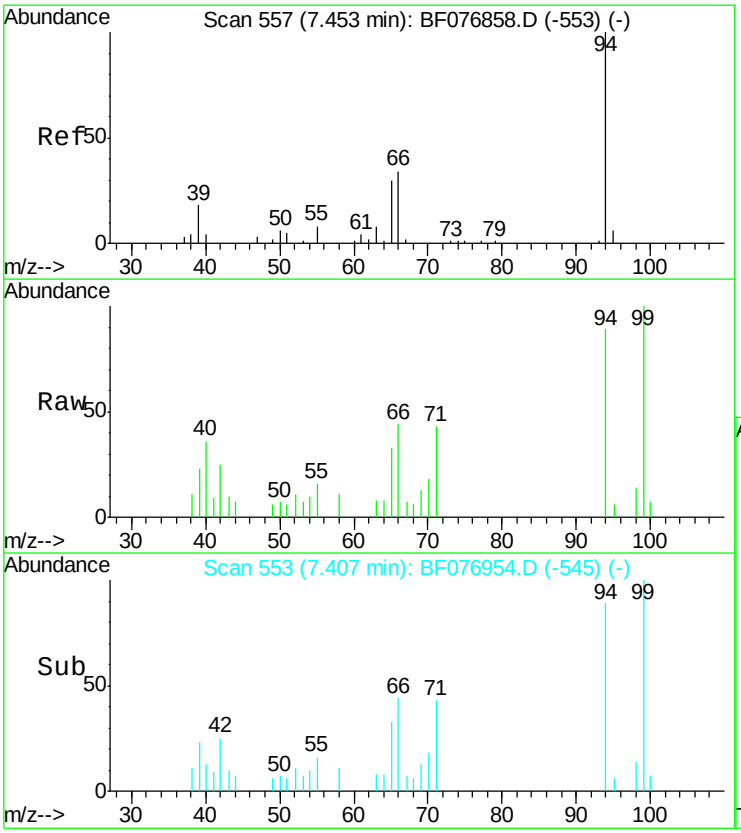
#7
Phenol-d6
Concen: 103.08 ng
RT: 7.37 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion: 99 Resp: 278902

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.0	22.4
71	39.5	30.5	45.7

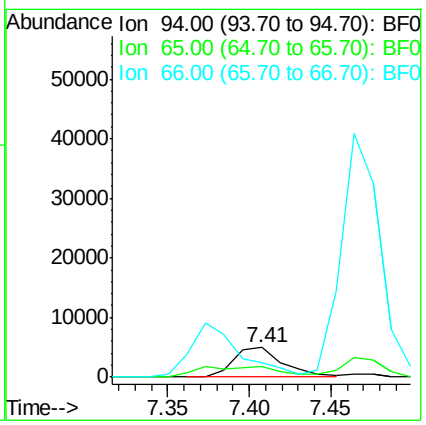


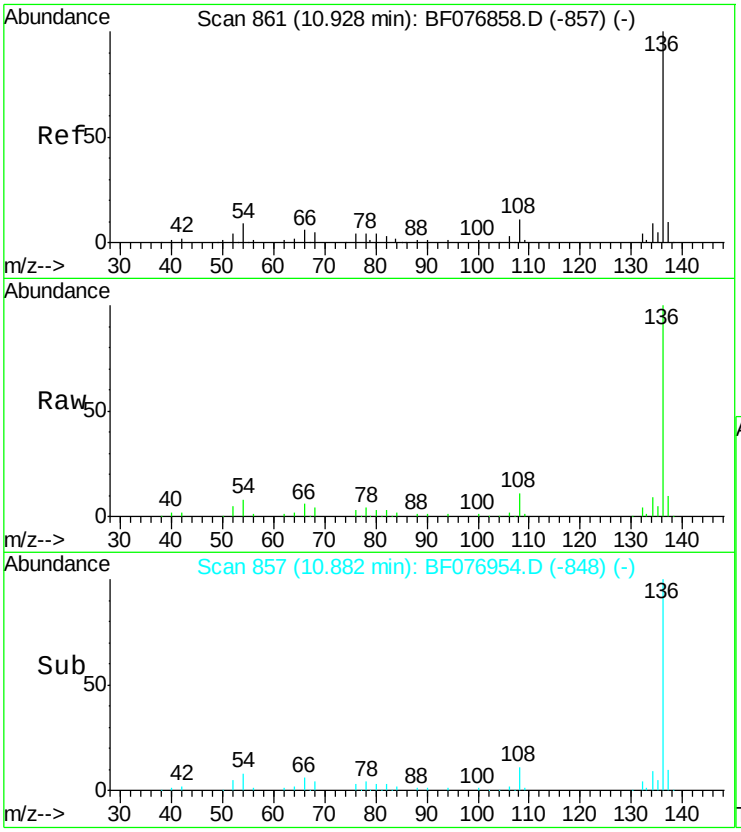


#10
Phenol
Concen: 3.63 ng
RT: 7.41 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion: 94 Resp: 10419

Ion	Ratio	Lower	Upper
94	100		
65	36.6	11.3	51.3
66	49.1	19.5	59.5



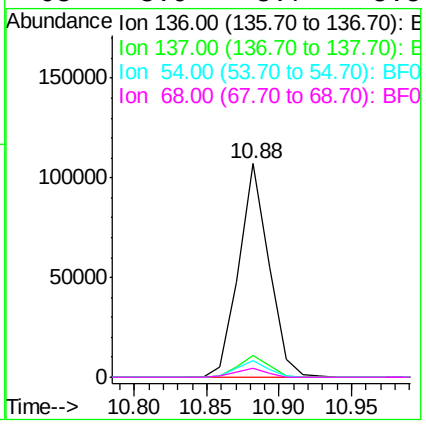


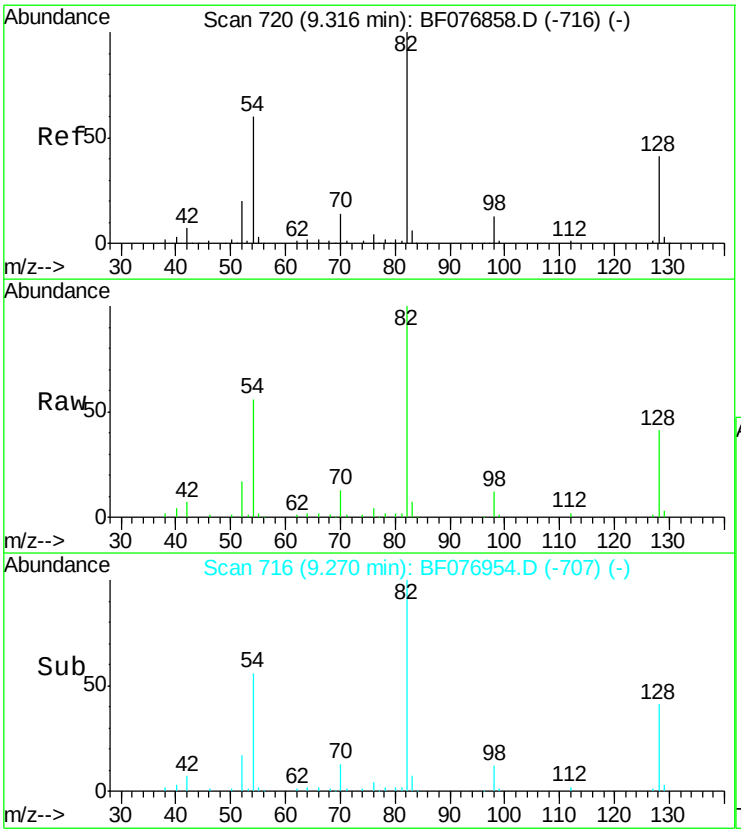
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:136 Resp: 154741

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.1	12.1
54	7.8	7.0	10.4
68	3.9	3.7	5.5

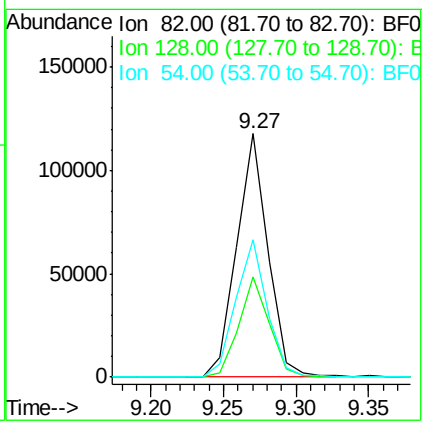


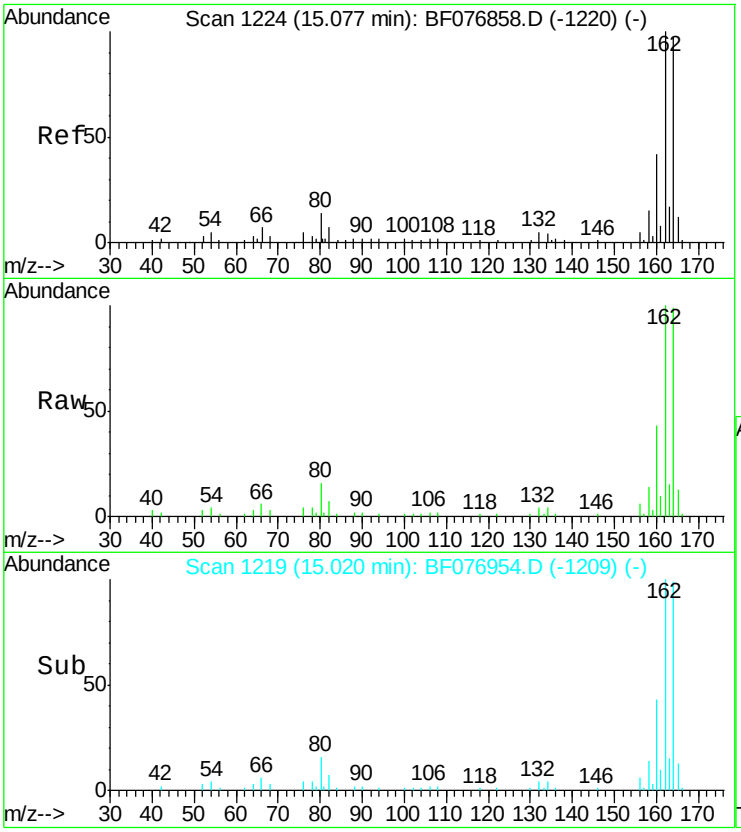


#23
Nitrobenzene-d5
Concen: 62.84 ng
RT: 9.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion: 82 Resp: 175510

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.1	49.7
54	56.2	48.3	72.5



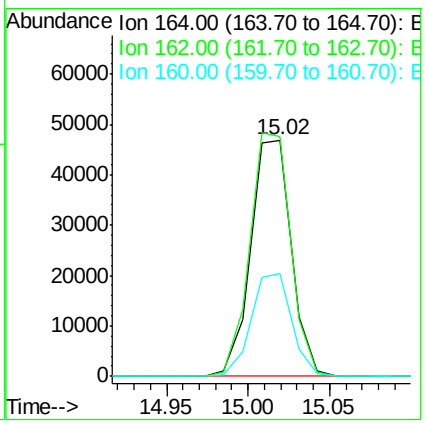


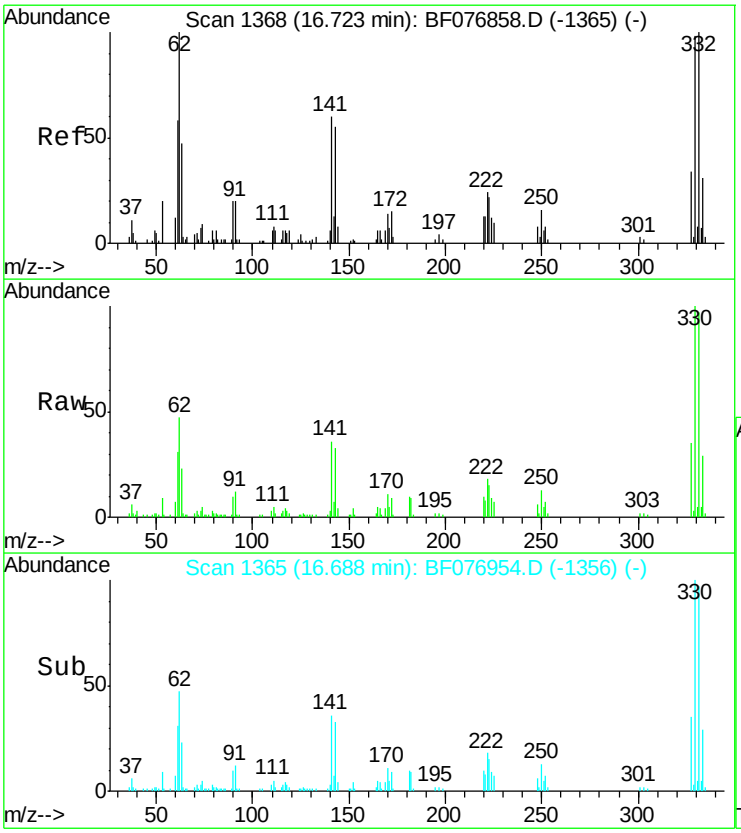
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:164 Resp: 81357

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.4	123.6
160	43.4	34.8	52.2

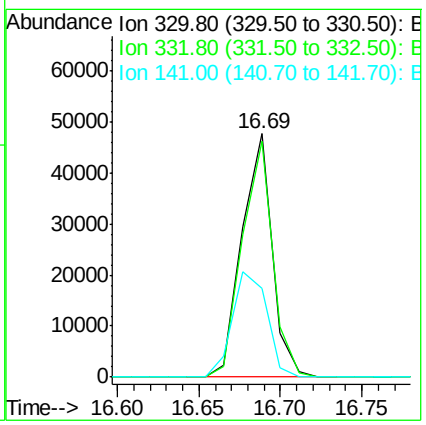


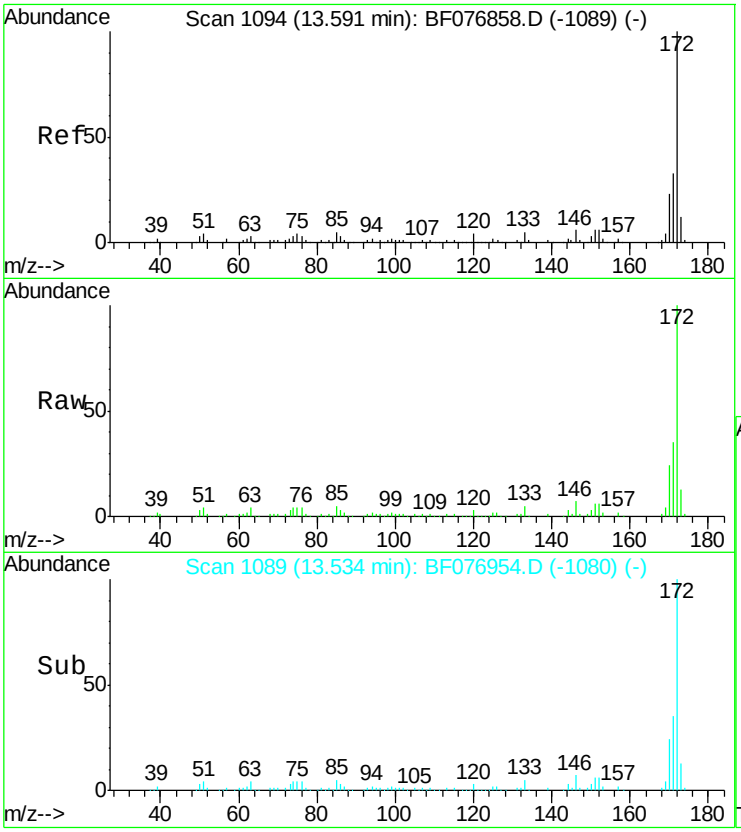


#41
2,4,6-Tribromophenol
Concen: 92.51 ng
RT: 16.69 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:330 Resp: 61096

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.8	116.6
141	49.3	38.5	57.7



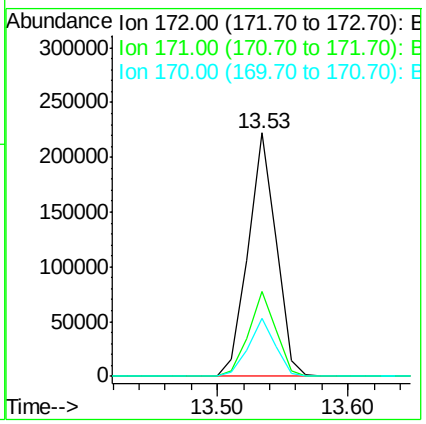


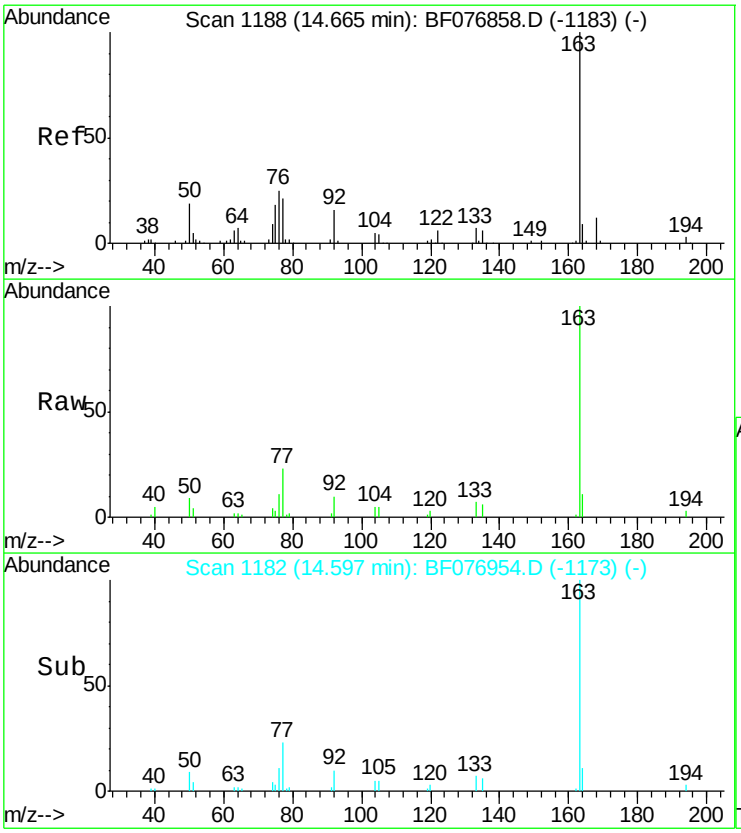
#44
2-Fluorobiphenyl
Concen: 62.23 ng
RT: 13.53 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:172 Resp: 332665

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.6	40.0
170	23.7	18.0	27.0

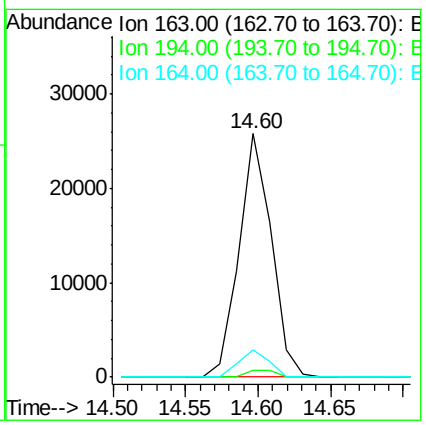


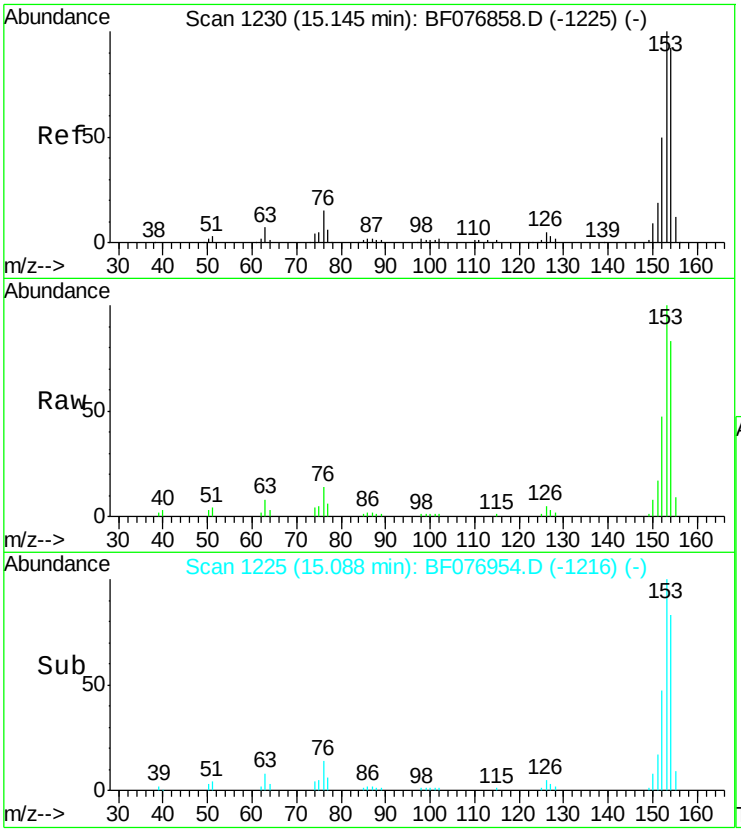


#49
Dimethylphthalate
Concen: 6.91 ng
RT: 14.60 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:163 Resp: 39856

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	11.0	7.5	11.3



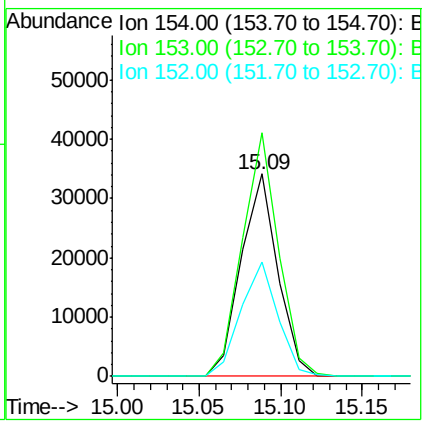


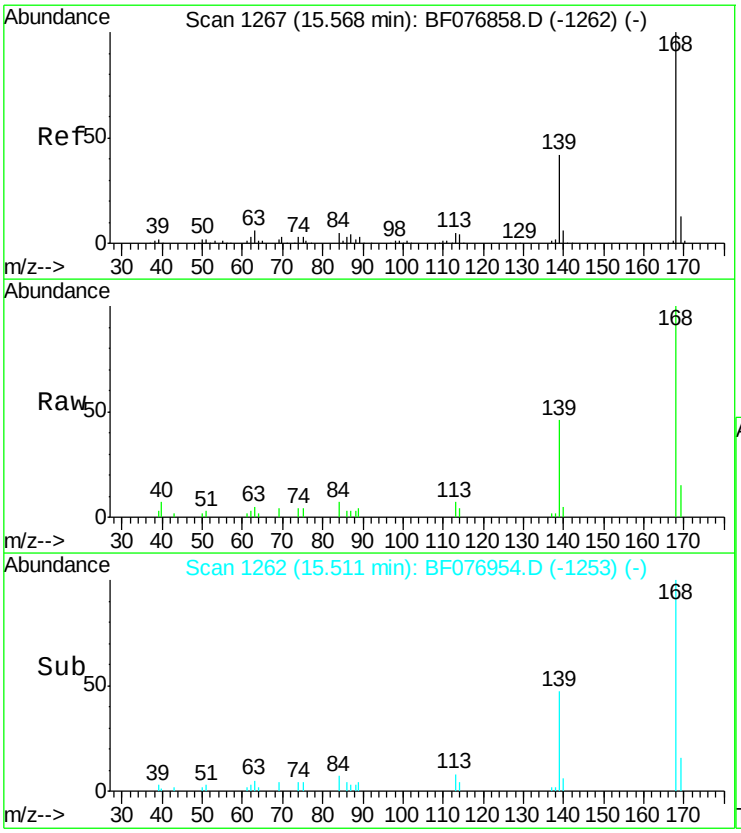
#51
Acenaphthene
Concen: 11.18 ng
RT: 15.09 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:154 Resp: 53087

Ion	Ratio	Lower	Upper
154	100		
153	120.3	87.0	130.6
152	56.7	43.5	65.3

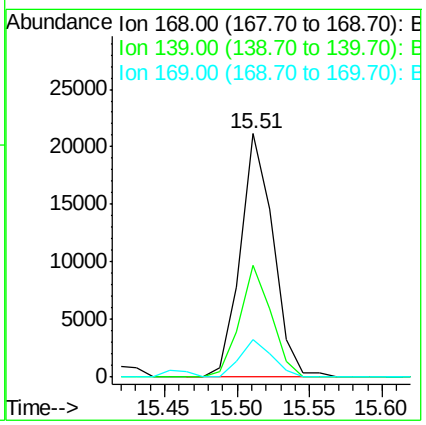


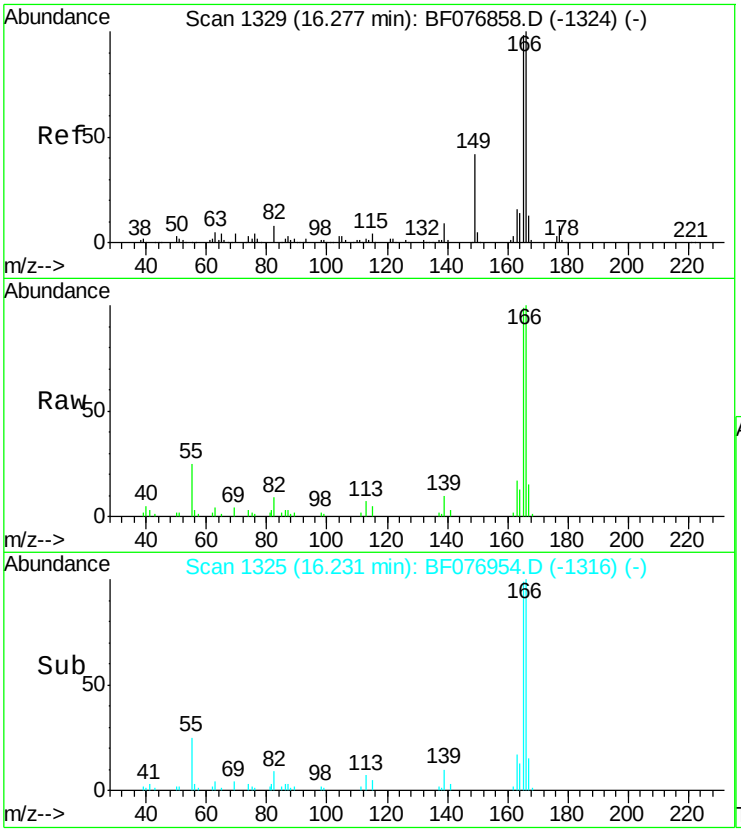


#54
Dibenzofuran
Concen: 4.80 ng
RT: 15.51 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:168 Resp: 33183

Ion	Ratio	Lower	Upper
168	100		
139	46.1	33.4	50.2
169	15.2	10.6	15.8



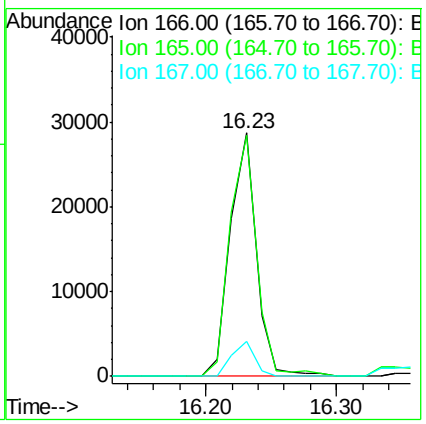


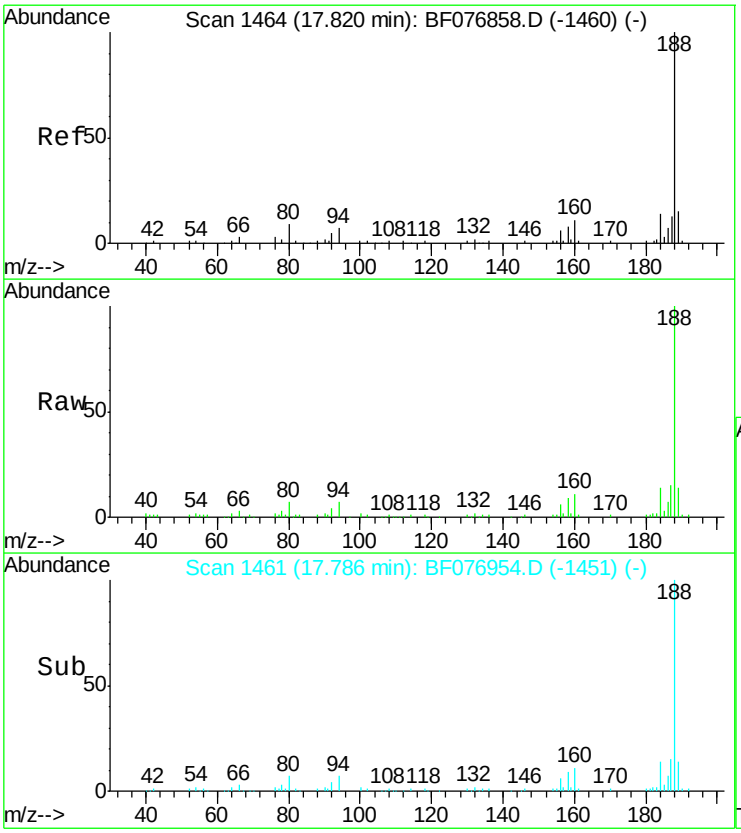
#57
Fluorene
Concen: 6.85 ng
RT: 16.23 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:166 Resp: 40134

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.5	117.7
167	14.6	10.4	15.6

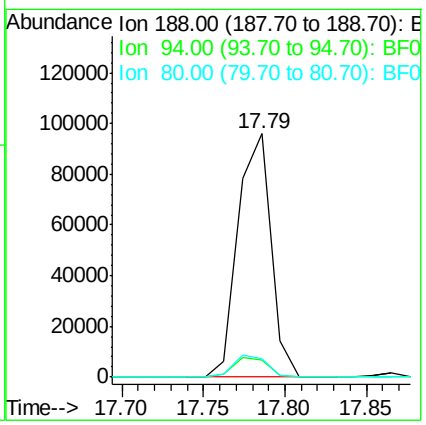


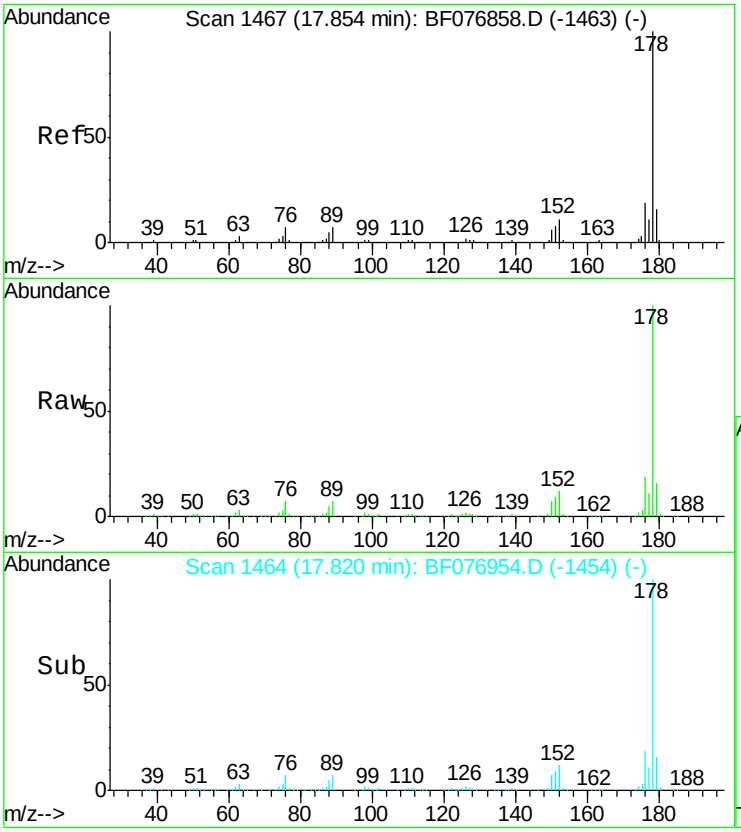


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.79 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:188 Resp: 133827

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.0	9.0
80	7.5	6.9	10.3



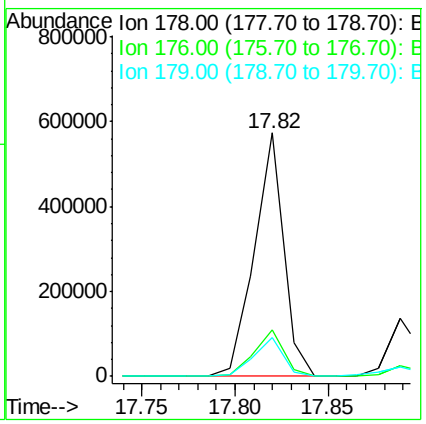


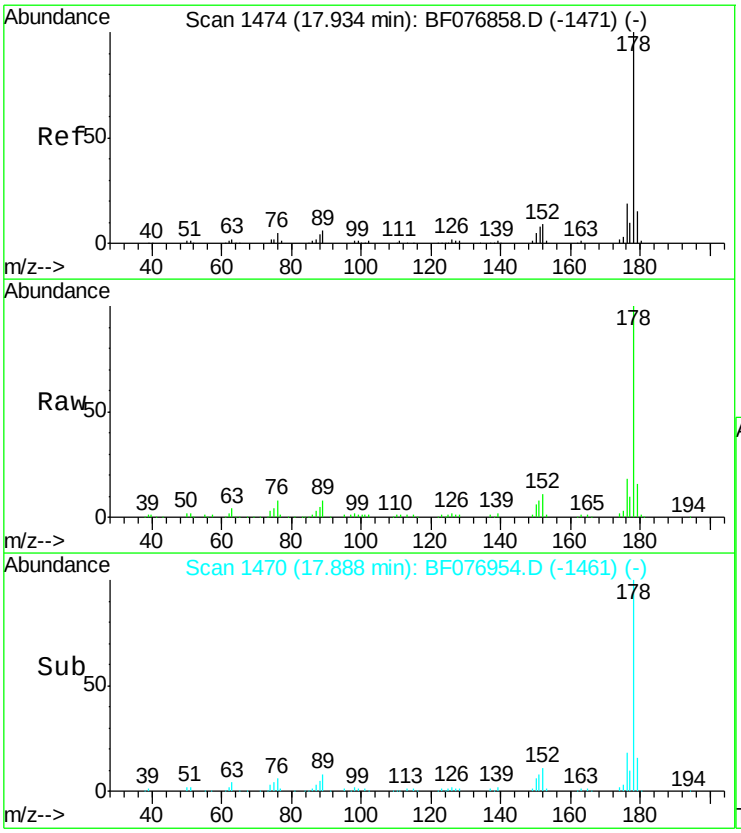
#70
Phenanthrene
Concen: 74.87 ng
RT: 17.82 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:178 Resp: 624864

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.8	12.7	19.1

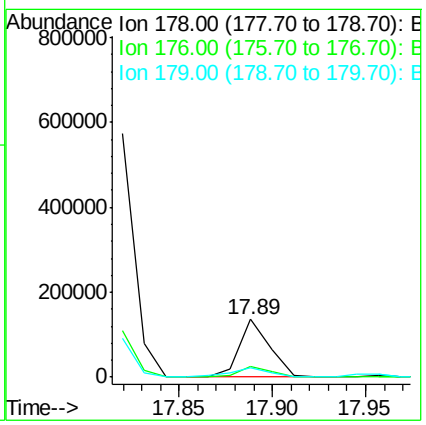


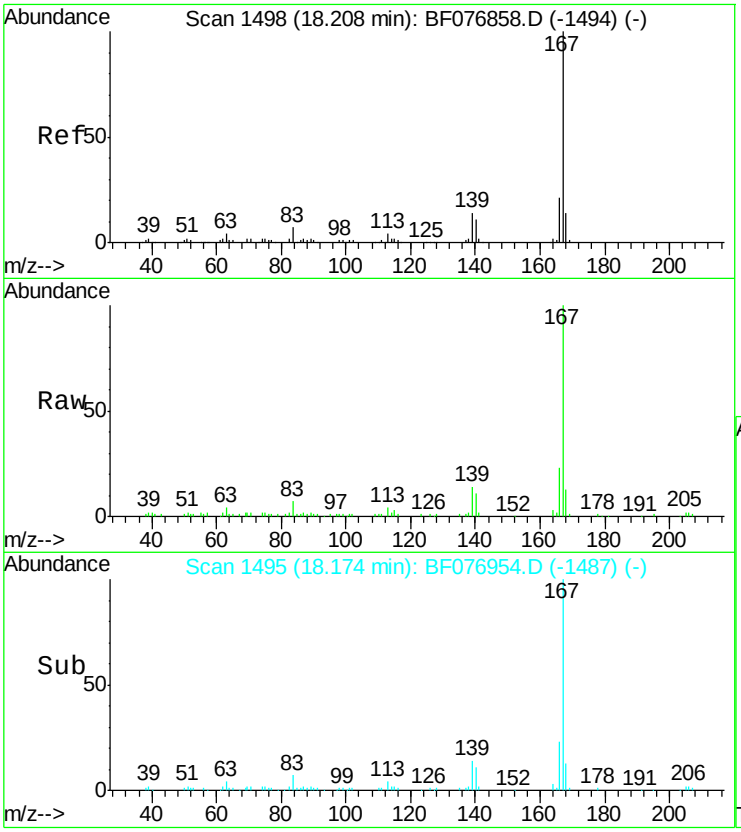


#71
Anthracene
Concen: 18.91 ng
RT: 17.89 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:178 Resp: 153892

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.7	11.9	17.9



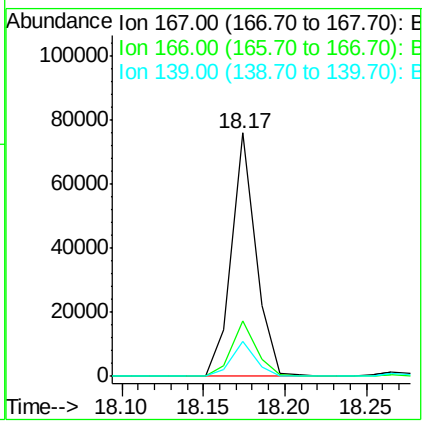


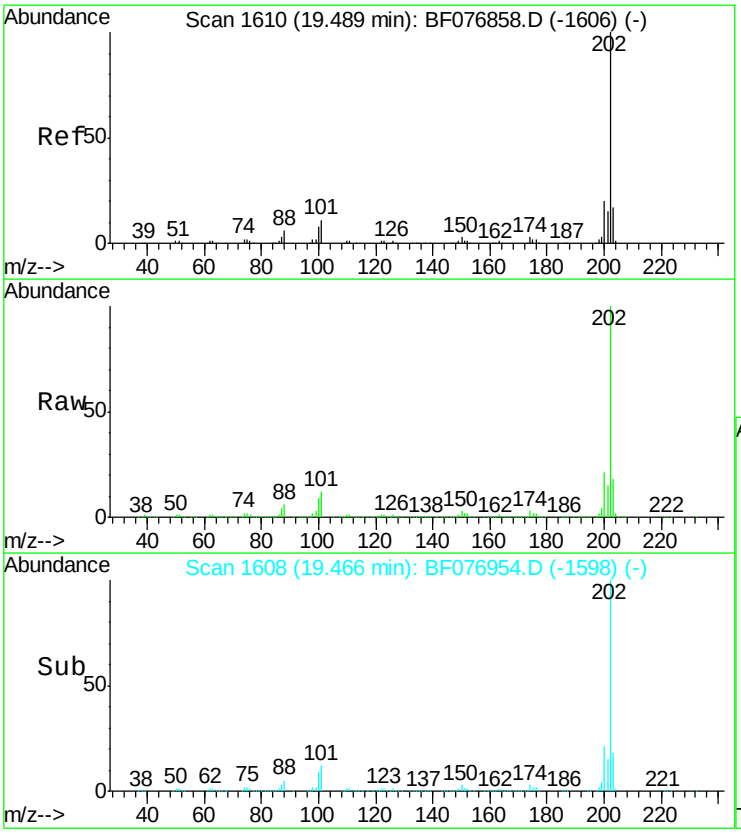
#72
Carbazole
Concen: 9.96 ng
RT: 18.17 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:167 Resp: 78625

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.0	25.6
139	14.4	11.3	16.9

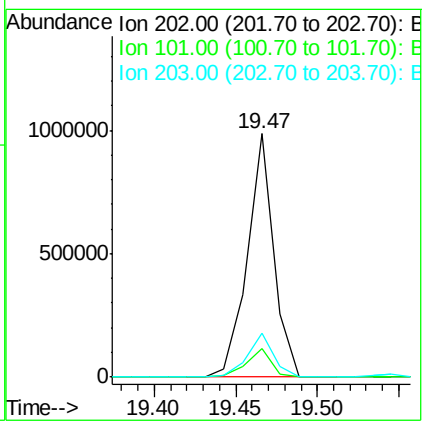


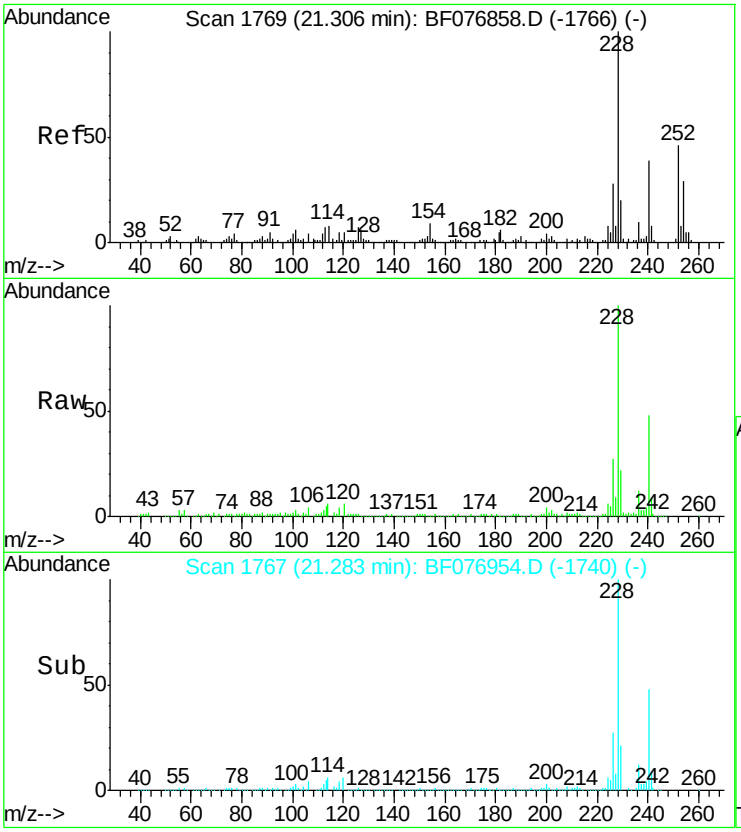


#74
Fluoranthene
Concen: 128.98 ng
RT: 19.47 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:202 Resp: 1102957

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.7
203	18.2	0.0	36.9



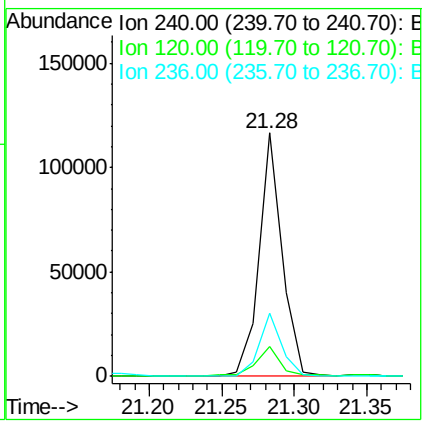


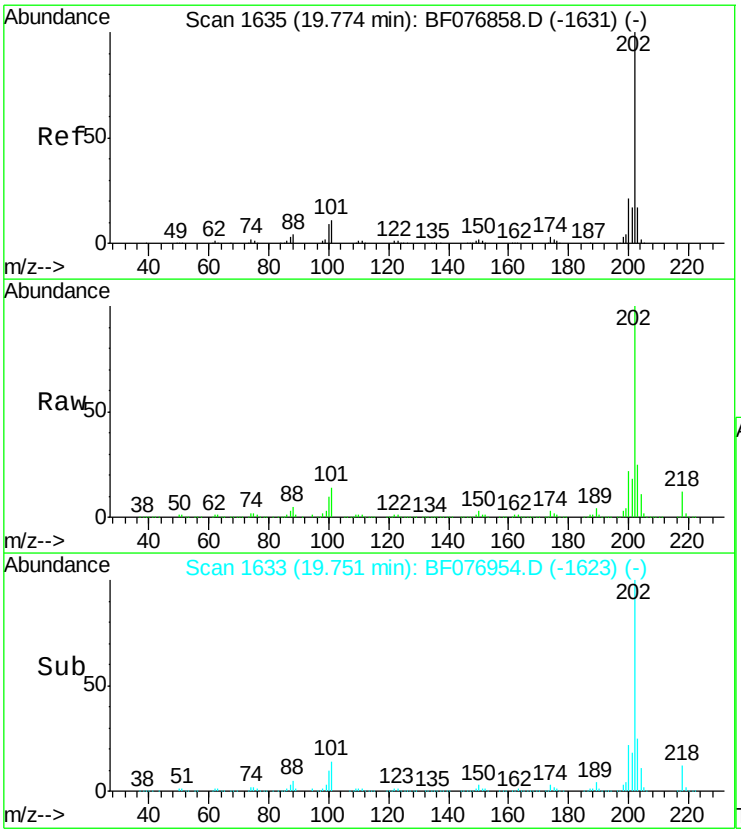
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.28 min Scan# 1767
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:240 Resp: 129106

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.4	15.6
236	25.8	20.2	30.2

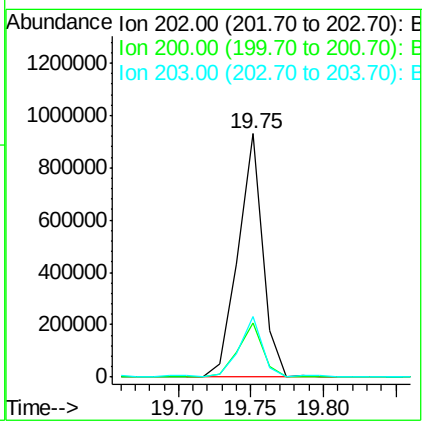


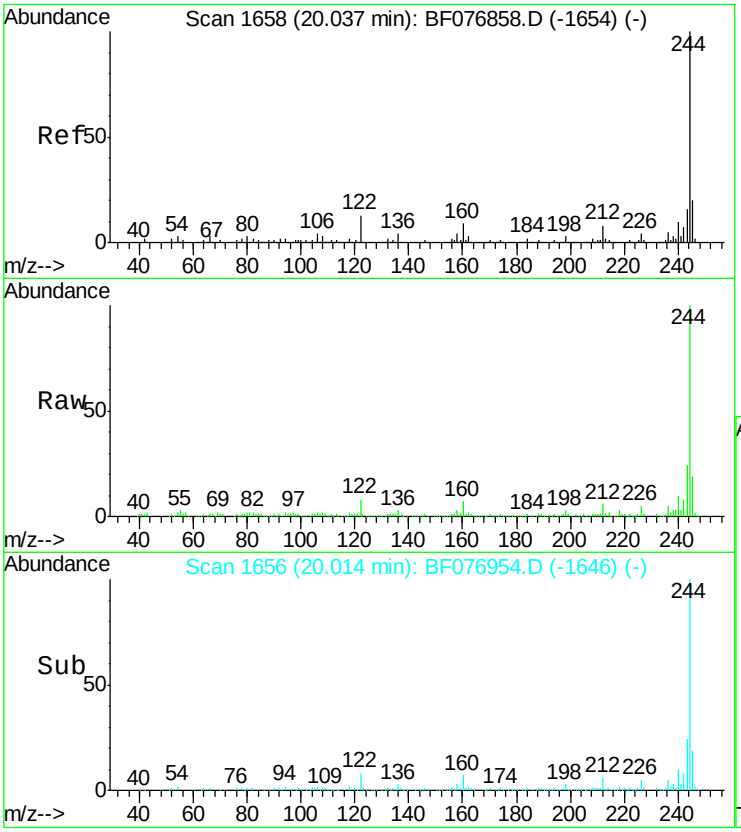


#77
Pyrene
Concen: 123.83 ng
RT: 19.75 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:202 Resp: 1095677

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.7	25.1
203	25.0	14.0	21.0#



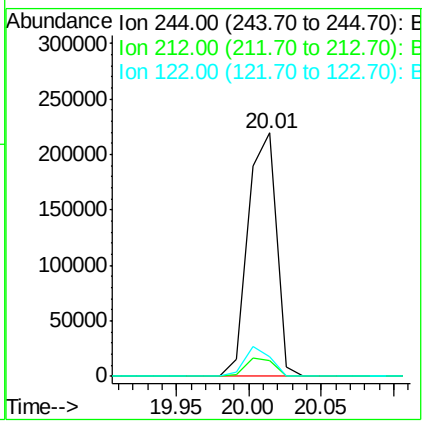


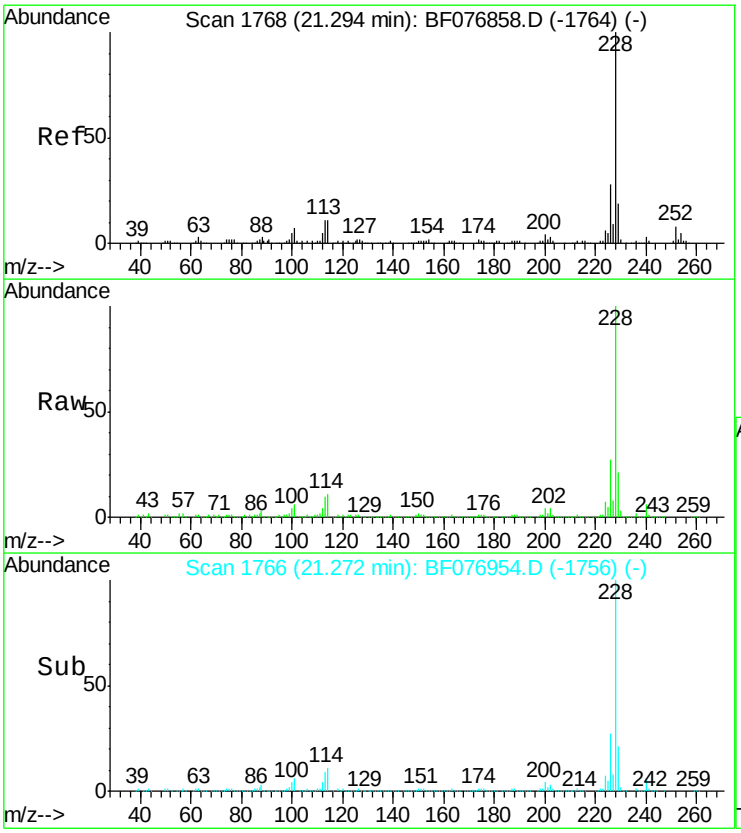
#78
Terphenyl-d14
Concen: 53.03 ng
RT: 20.01 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:244 Resp: 297403

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.3	9.5
122	7.9	10.1	15.1#

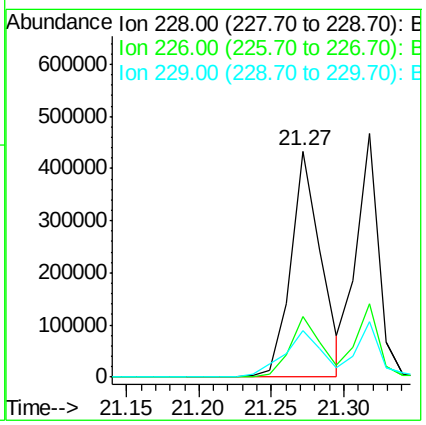


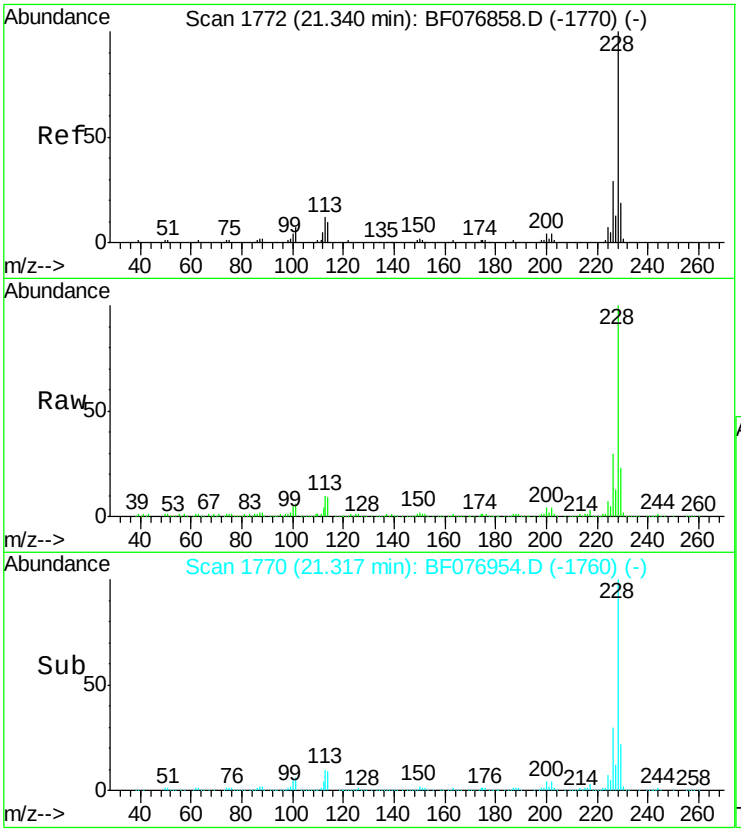


#80
Benzo(a)anthracene
Concen: 77.23 ng
RT: 21.27 min Scan# 1766
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:228 Resp: 625595

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.1	33.1
229	20.8	15.5	23.3



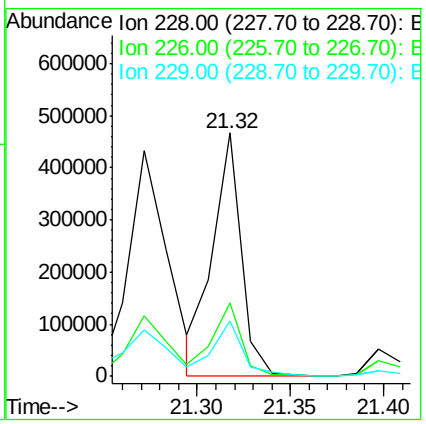


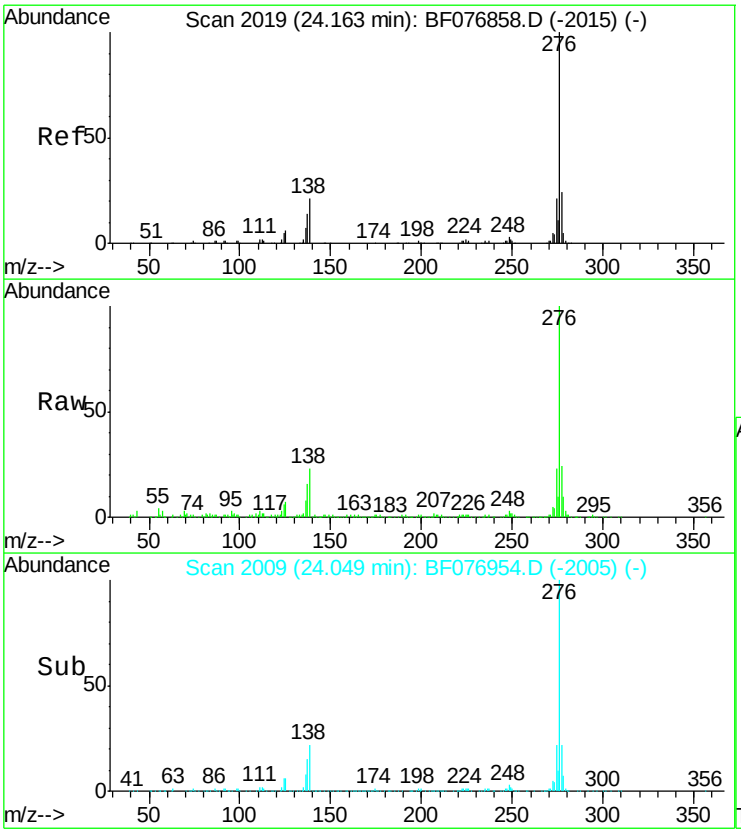
#82
Chrysene
Concen: 66.94 ng
RT: 21.32 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:228 Resp: 494447

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	22.6	15.4	23.0

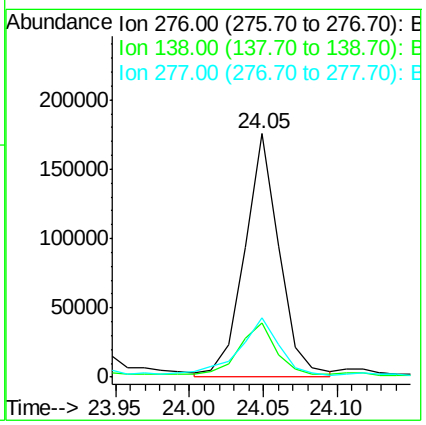


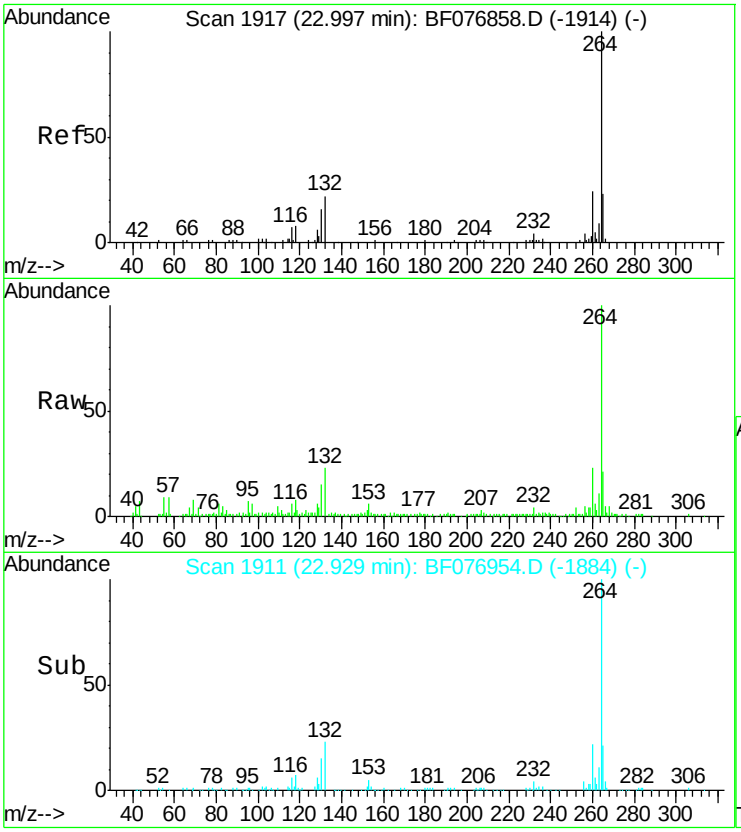


#85
Indeno(1,2,3-cd)pyrene
Concen: 37.11 ng m
RT: 24.05 min Scan# 2009
Delta R.T. -0.06 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:276 Resp: 290530

Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.6	22.0#
277	16.7	14.8	22.2



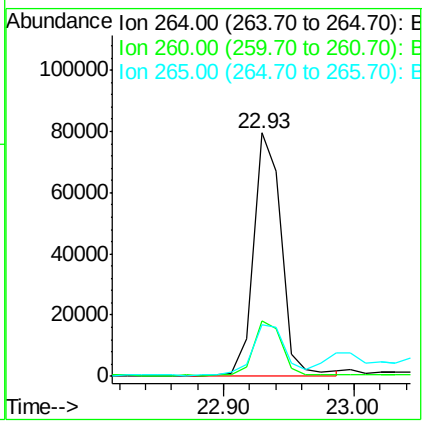


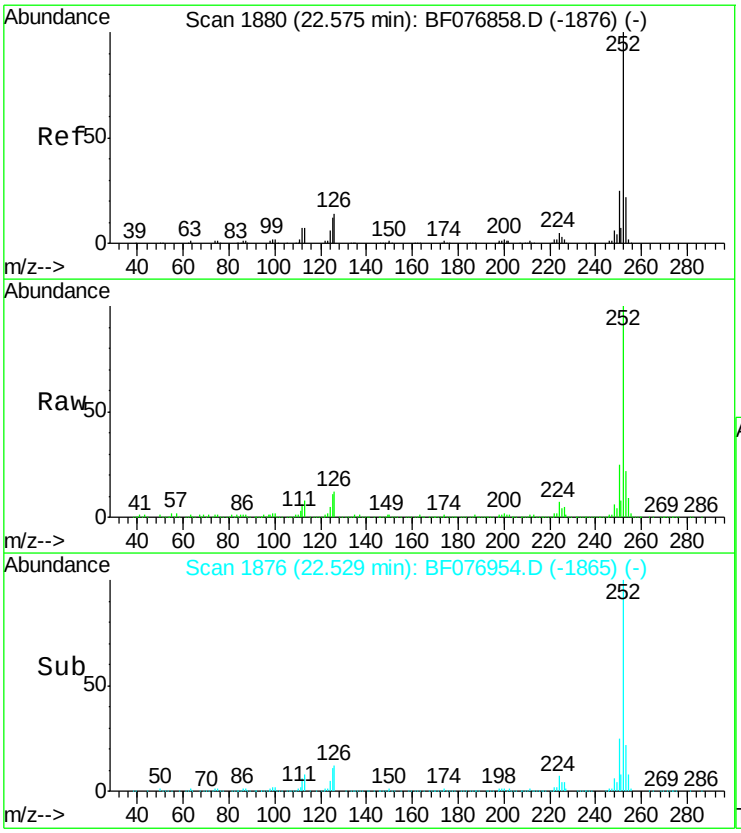
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:264 Resp: 118456

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	21.2	18.1	27.1

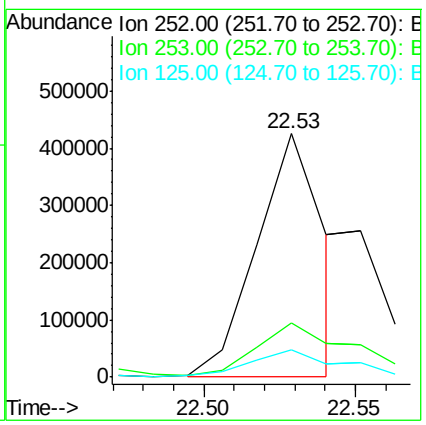


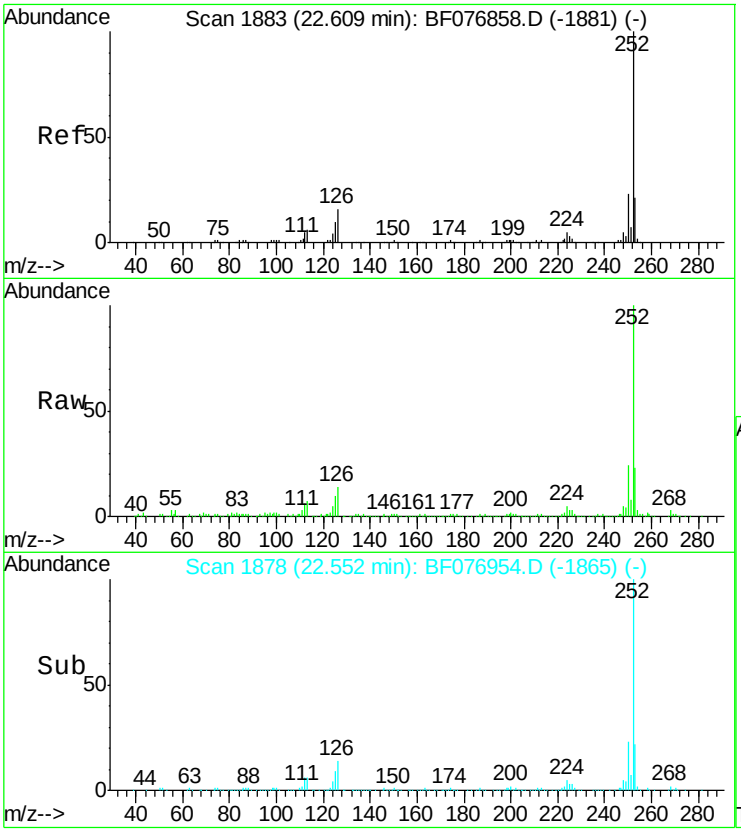


#87
Benzo(b)fluoranthene
Concen: 82.05 ng m
RT: 22.53 min Scan# 1876
Delta R.T. 0.02 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:252 Resp: 654644

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.0	9.4	14.0



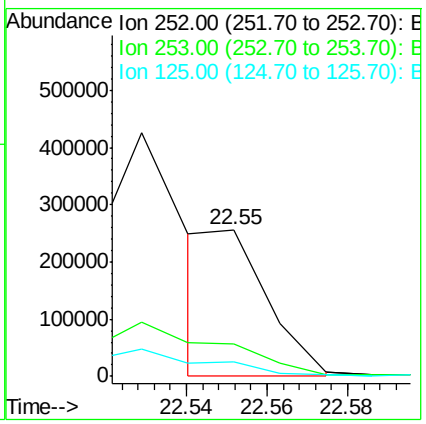


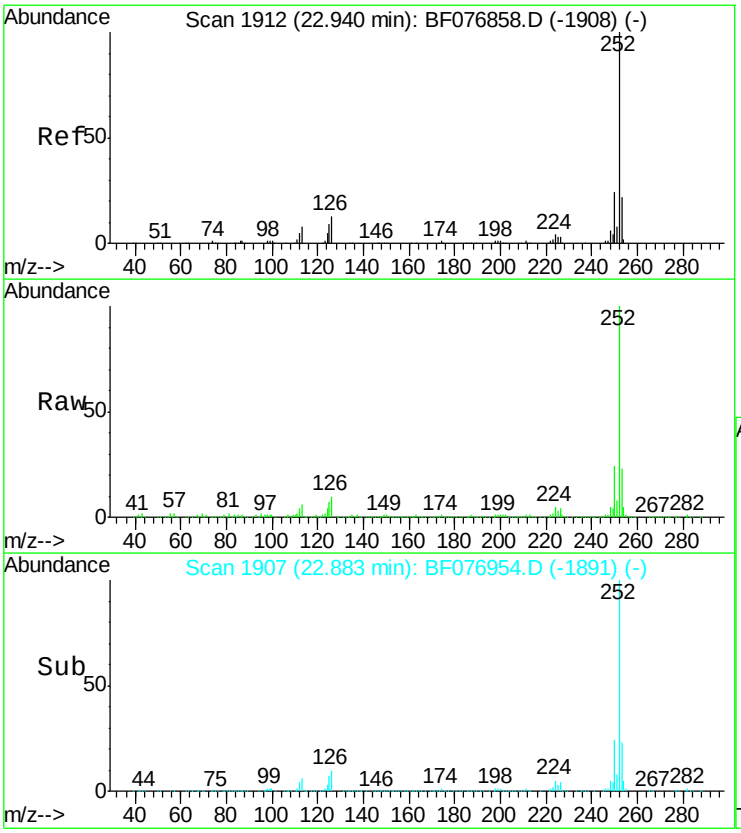
#88
Benzo(k)fluoranthene
Concen: 34.98 ng m
RT: 22.55 min Scan# 1878
Delta R.T. 0.05 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:252 Resp: 243821

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	10.1	7.1	10.7

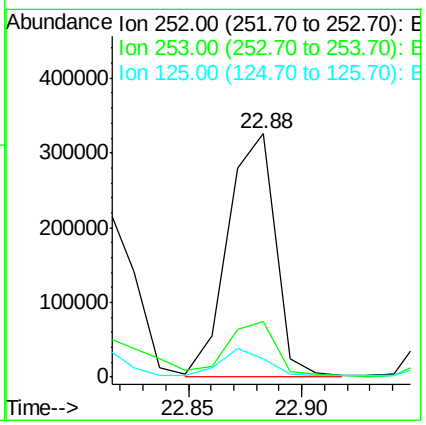


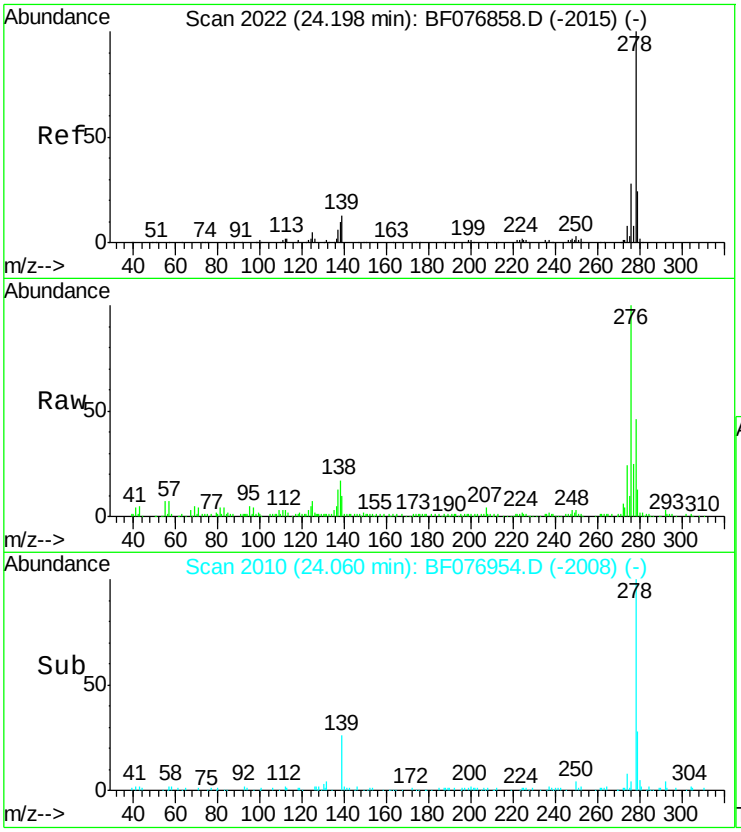


#89
Benzo(a)pyrene
Concen: 67.65 ng m
RT: 22.88 min Scan# 1907
Delta R.T. 0.08 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:252 Resp: 476081

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.3	7.2	10.8



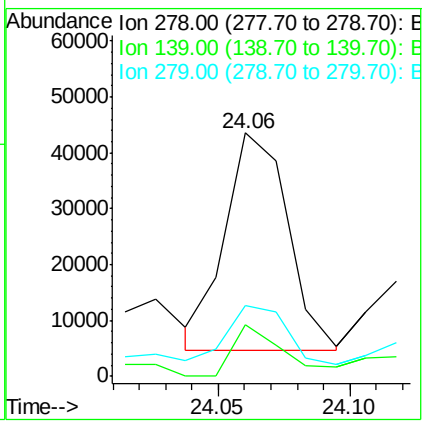


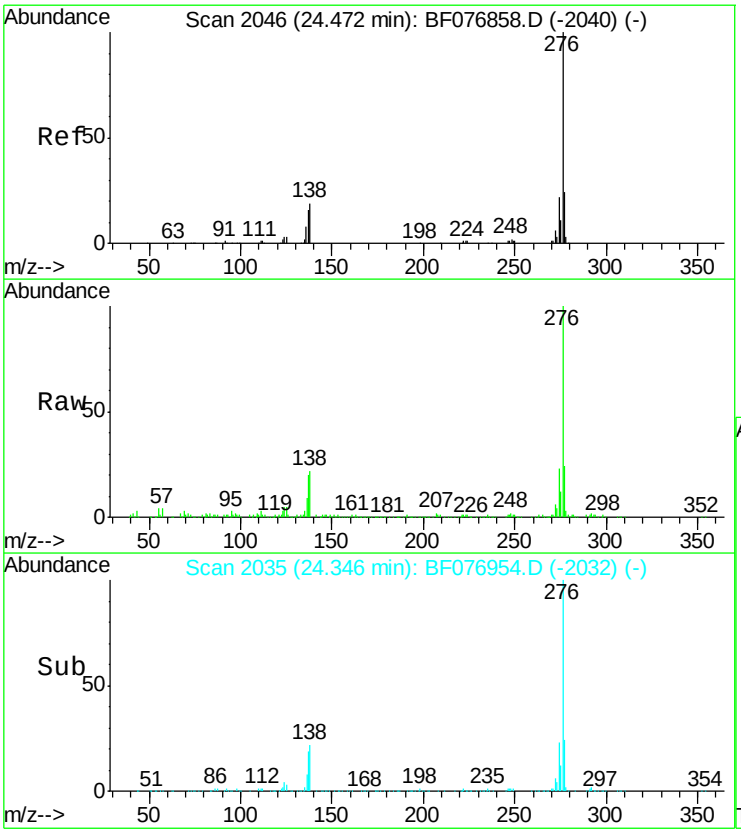
#90
Dibenzo(a,h)anthracene
Concen: 9.95 ng m
RT: 24.06 min Scan# 2010
Delta R.T. -0.08 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-3

Tgt Ion:278 Resp: 64233

Ion	Ratio	Lower	Upper
278	100		
139	21.0	10.5	15.7#
279	28.8	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 41.03 ng m
RT: 24.35 min Scan# 2035
Delta R.T. -0.07 min
Lab File: BF076954.D
Acq: 20 Jan 2015 7:27

Tgt Ion:276 Resp: 263372

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.5	29.3
138	22.5	15.0	22.6