Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094975.D
Acq On : 8 May 2017 8:22
Operator : SJ/MA
Sample : I2996-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 08 09:04:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	101568	20.00	ng		-0.01
21) Naphthalene-d8	9.74	136	367210	20.00	ng		-0.02
38) Acenaphthene-d10	12.57	164	168519	20.00	ng		-0.02
63) Phenanthrene-d10	14.97	188	287618	20.00	ng		-0.01
75) Chrysene-d12	18.64	240	207420	20.00	ng		-0.01
86) Perylene-d12	20.31	264	189602	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.67	112	179092	29.40	ng		-0.01
7) Phenol-d6	7.25	99	245115	33.53	ng		-0.02
23) Nitrobenzene-d5	8.61	82	125103	21.48	ng		-0.02
41) 2,4,6-Tribromophenol	13.87	330	43449	31.48	ng		-0.02
44) 2-Fluorobiphenyl	11.51	172	266347	22.75	ng		-0.02
78) Terphenyl-d14	17.29	244	178144	18.92	ng		-0.02
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	8.61	70	15353	3.11	ng	#	83
31) Naphthalene	9.77	128	54649	2.96	ng		95
37) 2-Methylnaphthalene	10.90	142	47046	3.88	ng		97
49) Dimethylphthalate	12.21	163	35521	2.57	ng		96
50) 2,6-Dinitrotoluene	12.57	165	18143	6.43	ng	#	33
51) Acenaphthene	12.62	154	120922	11.28	ng		97
54) Dibenzofuran	12.91	168	161530	10.89	ng		93
55) 4-Nitrophenol	12.91	139	56837	31.24	ng	#	27
57) Fluorene	13.46	166	228763	17.74	ng		99
70) Phenanthrene	15.02	178	1901782	115.08	ng		99
71) Anthracene	15.09	178	596644	35.34	ng		98
72) Carbazole	15.37	167	124354	8.10	ng		96
74) Fluoranthene	16.77	202	2091507	123.38	ng		99
77) Pyrene	17.07	202	1659525	106.98	ng		99
80) Benzo(a)anthracene	18.63	228	919614	76.18	ng		100
82) Chrysene	18.68	228	806413	69.09	ng		96
85) Indeno(1,2,3-cd)pyrene	21.60	276	316658	33.41	ng		94
87) Benzo(b)fluoranthene	19.91	252	1149947	98.15	ng		98
88) Benzo(k)fluoranthene	19.91	252	1149947	101.76	ng		98
89) Benzo(a)pyrene	20.25	252	599599	55.46	ng		99
90) Dibenzo(a,h)anthracene	21.75	278	70719	7.92	ng		94
91) Benzo(g,h,i)perylene	21.97	276	260446	29.73	ng		98

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

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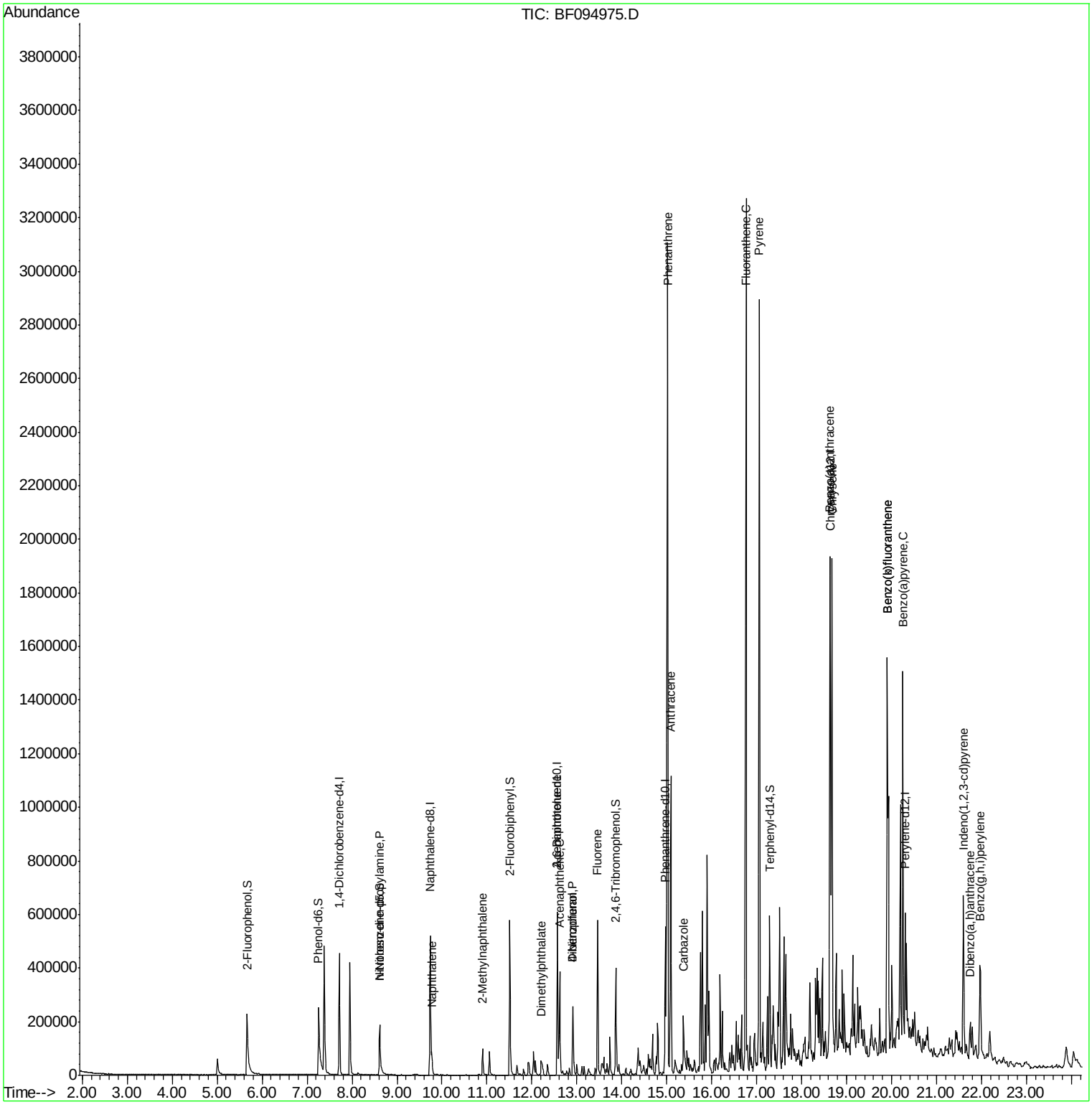
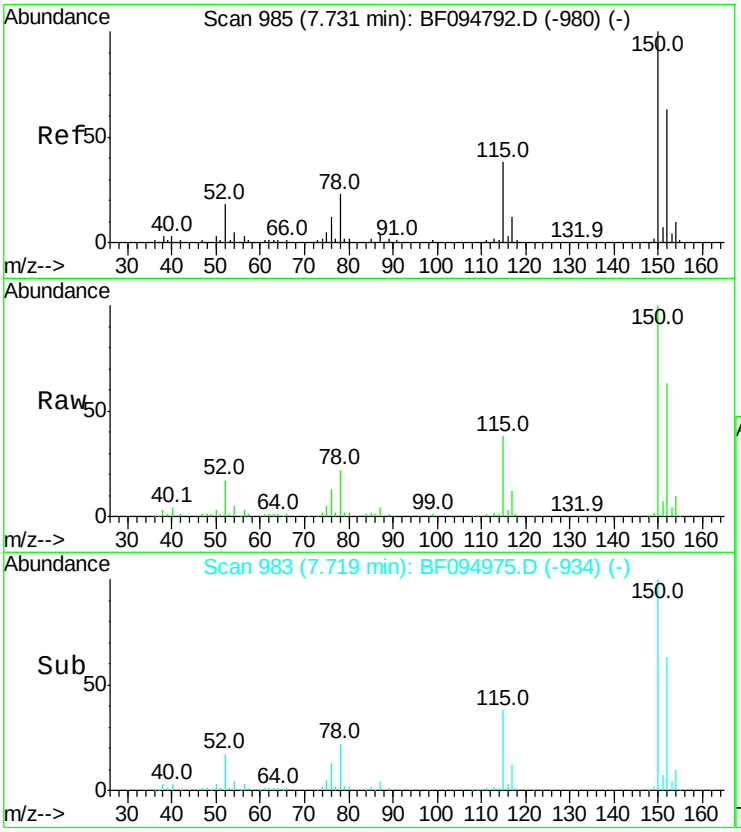


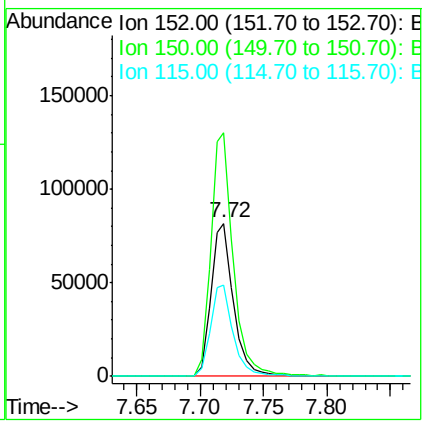


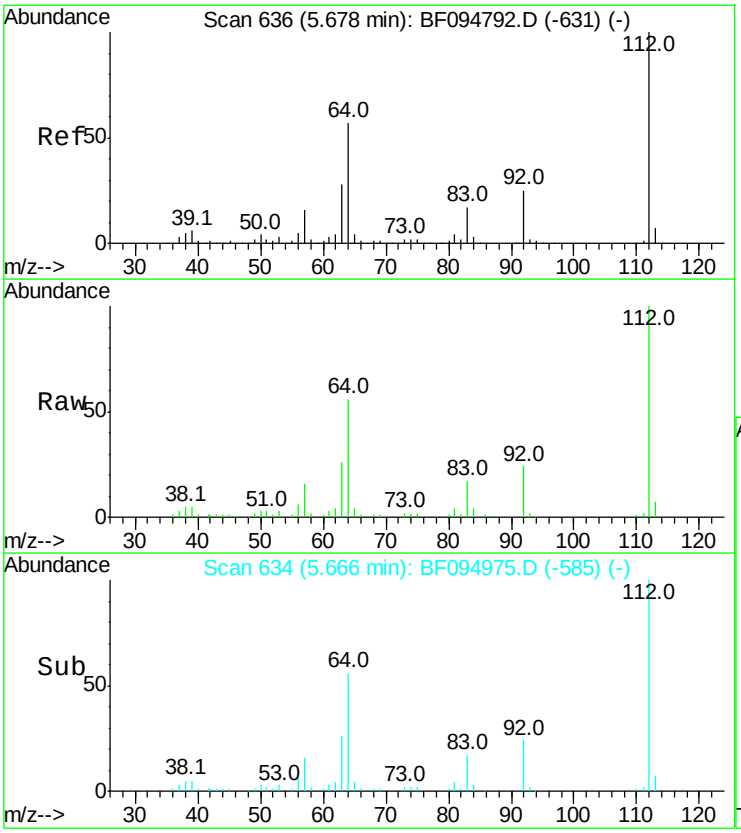
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 101568

Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.2	189.2
115	59.9	52.2	78.2

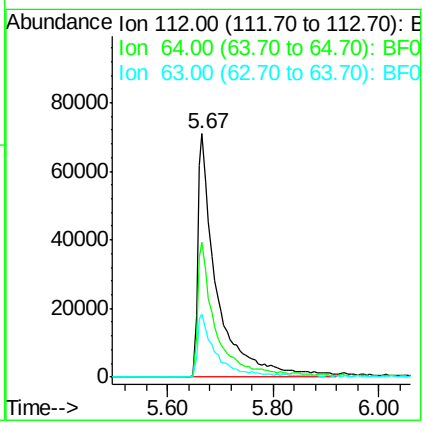


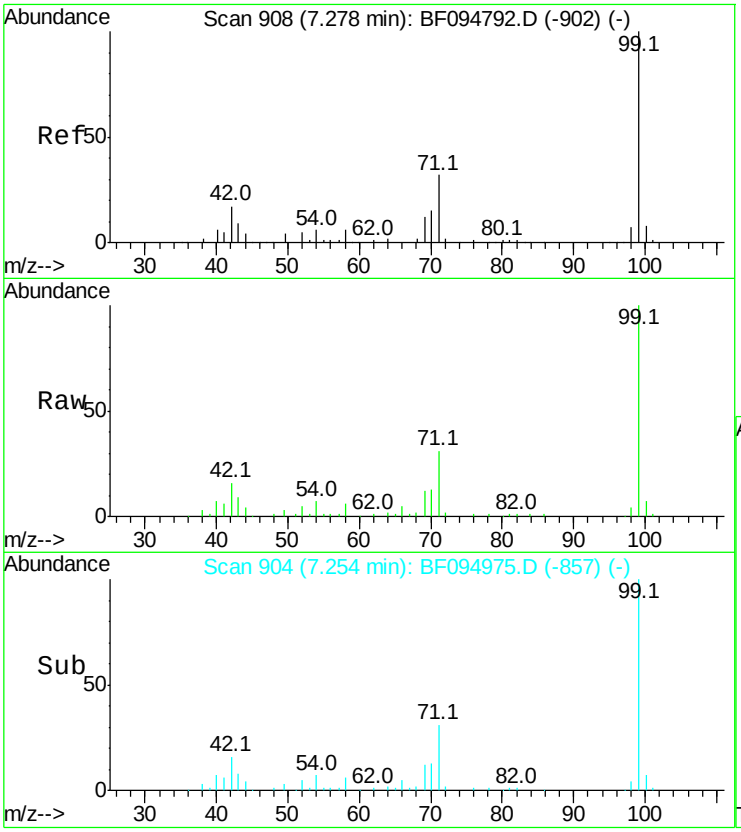


#5
2-Fluorophenol
Concen: 29.40 ng
RT: 5.67 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:112 Resp: 179092

Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	26.0	23.4	35.0



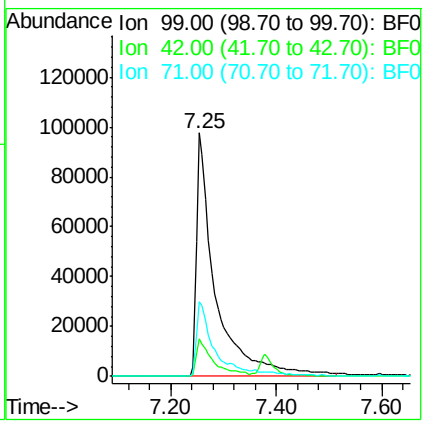


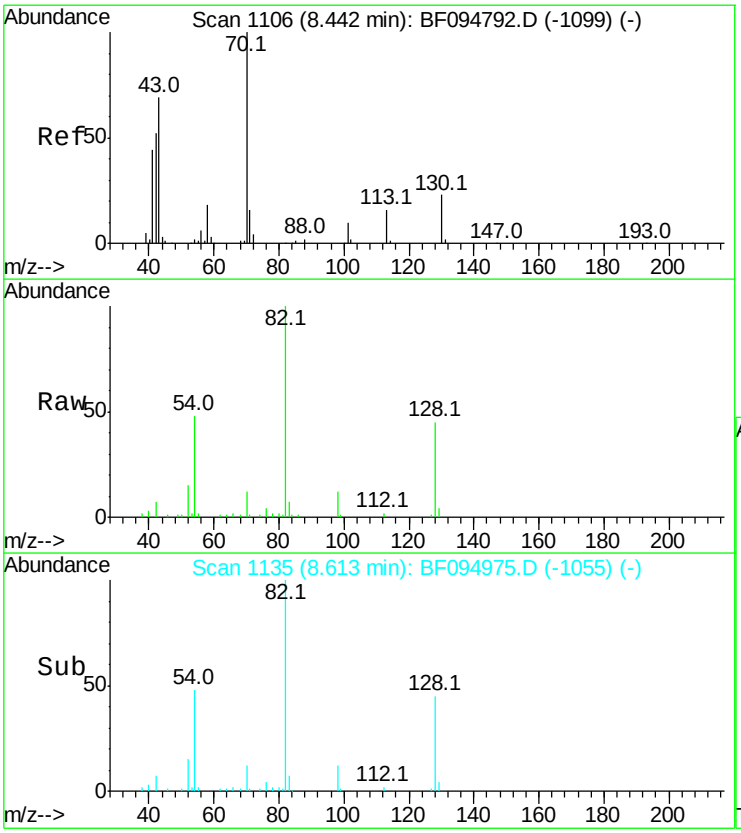
#7
Phenol-d6
Concen: 33.53 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 245115

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	30.6	24.5	36.7

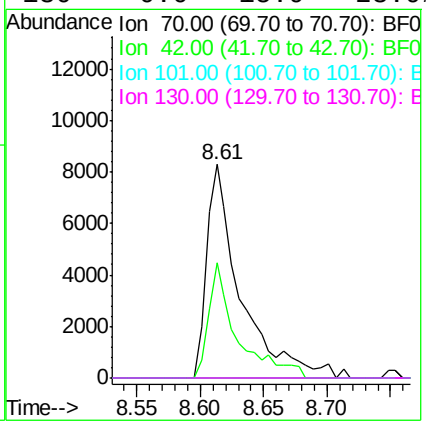


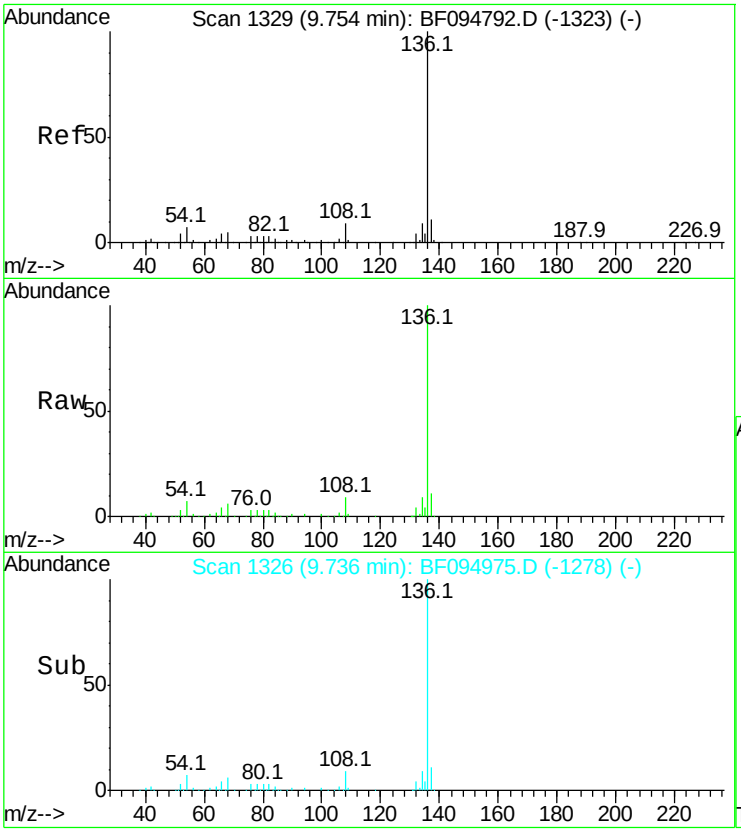


#19
n-Nitroso-di-n-propylamine
Concen: 3.11 ng
RT: 8.61 min Scan# 1135
Delta R.T. 0.17 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion: 70 Resp: 15353

Ion	Ratio	Lower	Upper
70	100		
42	53.7	47.2	70.8
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



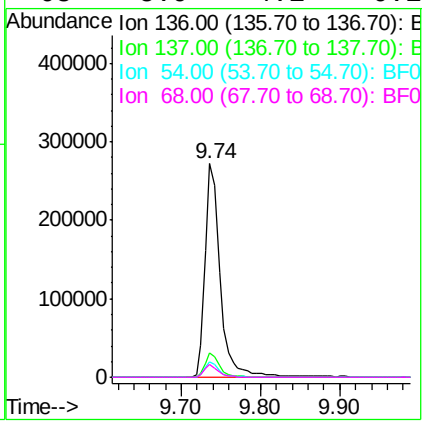


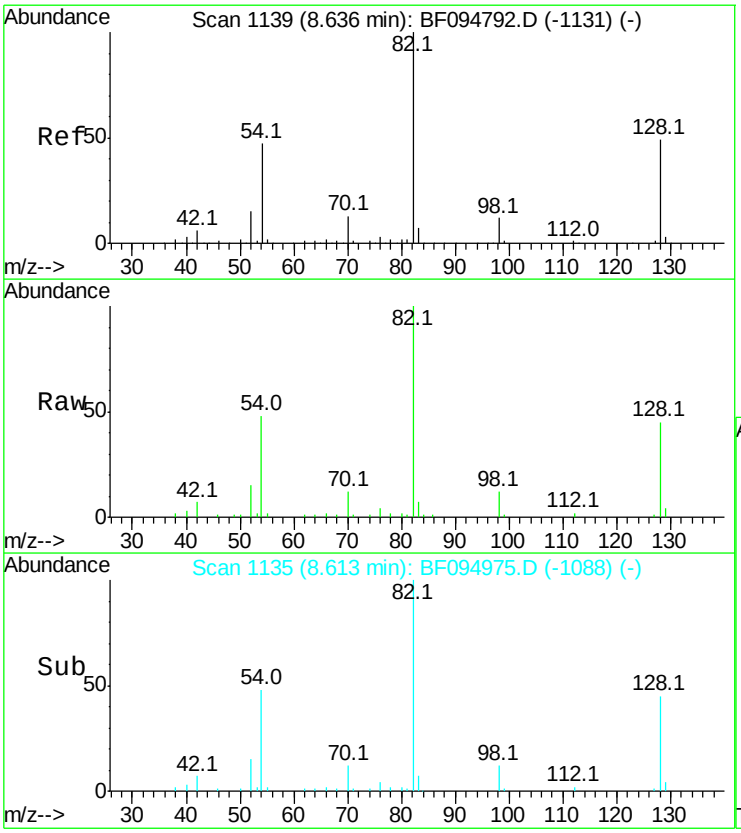
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 367210

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	7.0	4.9	7.3
68	5.9	4.1	6.1

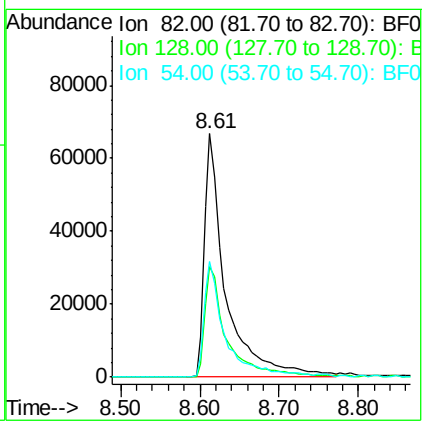


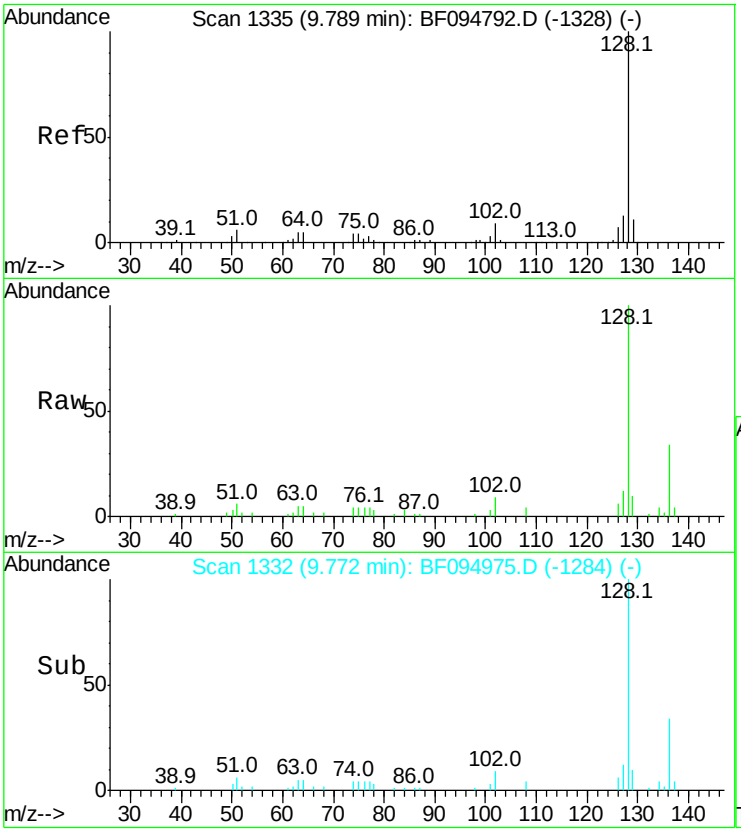


#23
Nitrobenzene-d5
Concen: 21.48 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion: 82 Resp: 125103

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.0	51.0
54	47.6	42.2	63.2



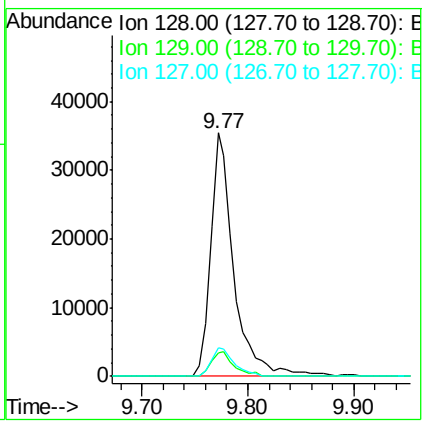


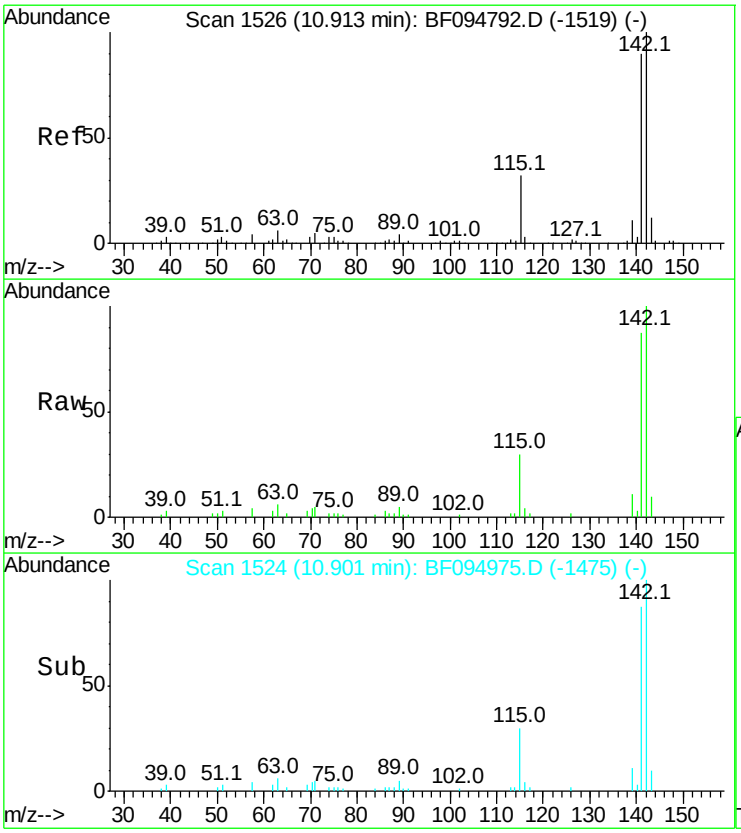
#31
Naphthalene
Concen: 2.96 ng
RT: 9.77 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 54649

Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.0	13.6
127	11.5	10.8	16.2

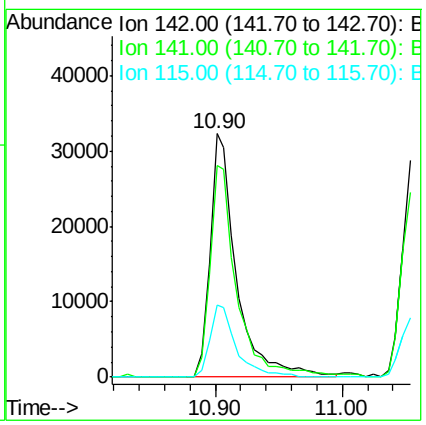


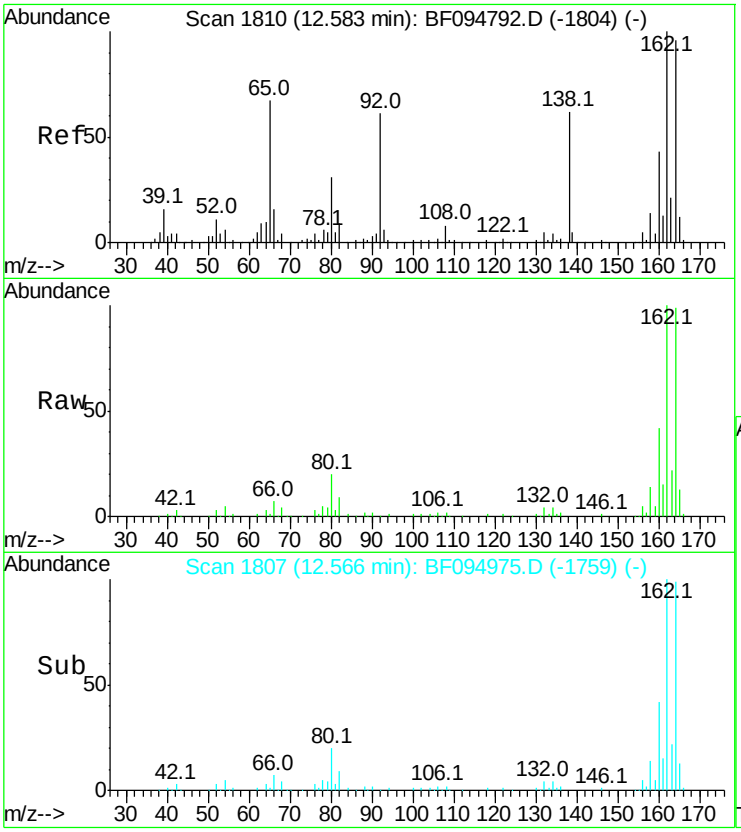


#37
2-Methylnaphthalene
Concen: 3.88 ng
RT: 10.90 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:142 Resp: 47046

Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.3	106.9
115	29.9	27.1	40.7



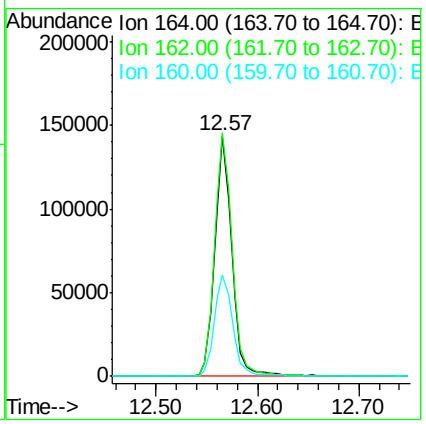


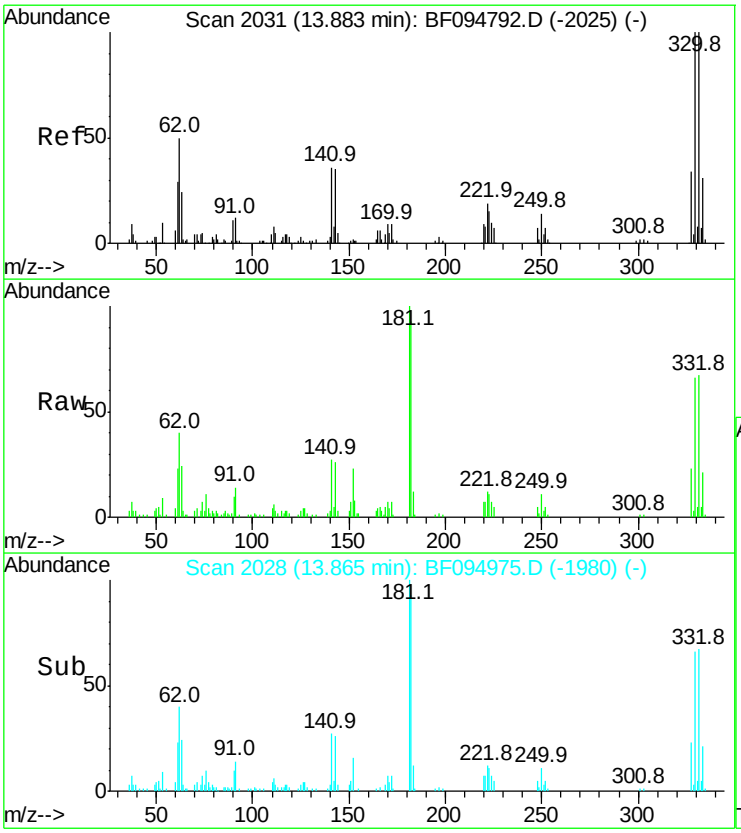
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 168519

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	42.5	36.2	54.2

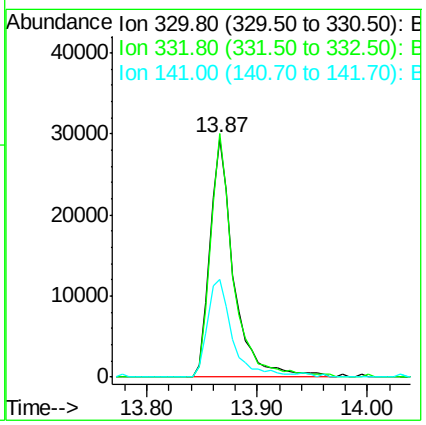


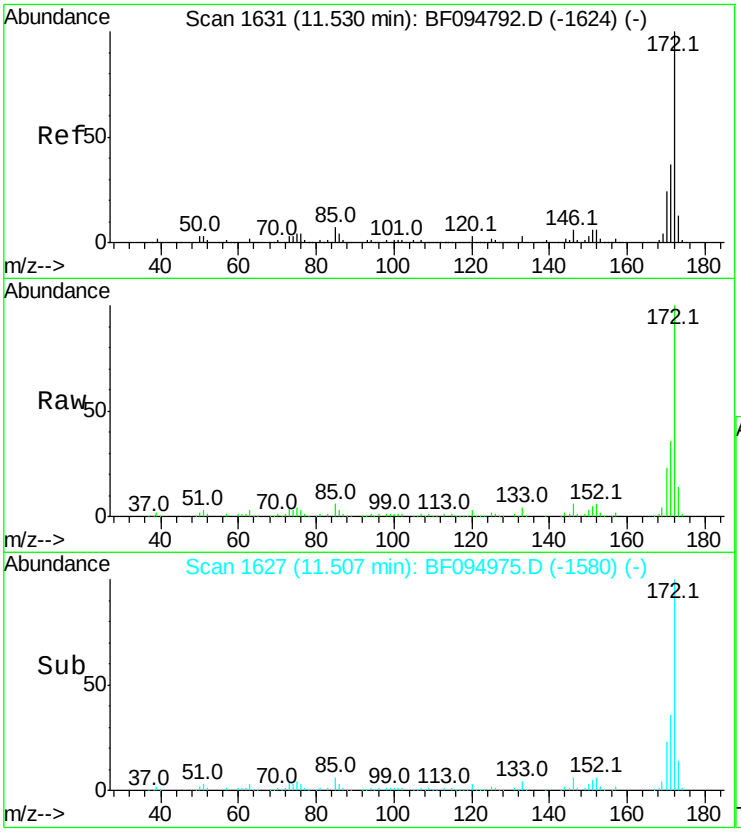


#41
2,4,6-Tribromophenol
Concen: 31.48 ng
RT: 13.87 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:330 Resp: 43449

Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	115.0
141	42.8	31.4	47.2



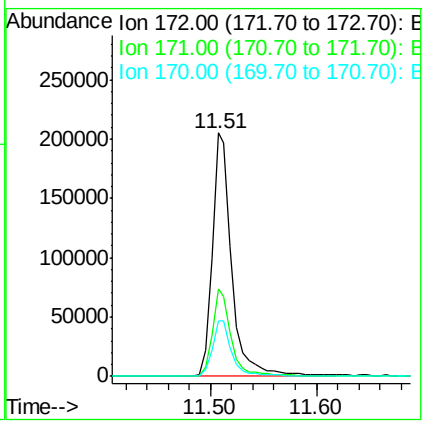


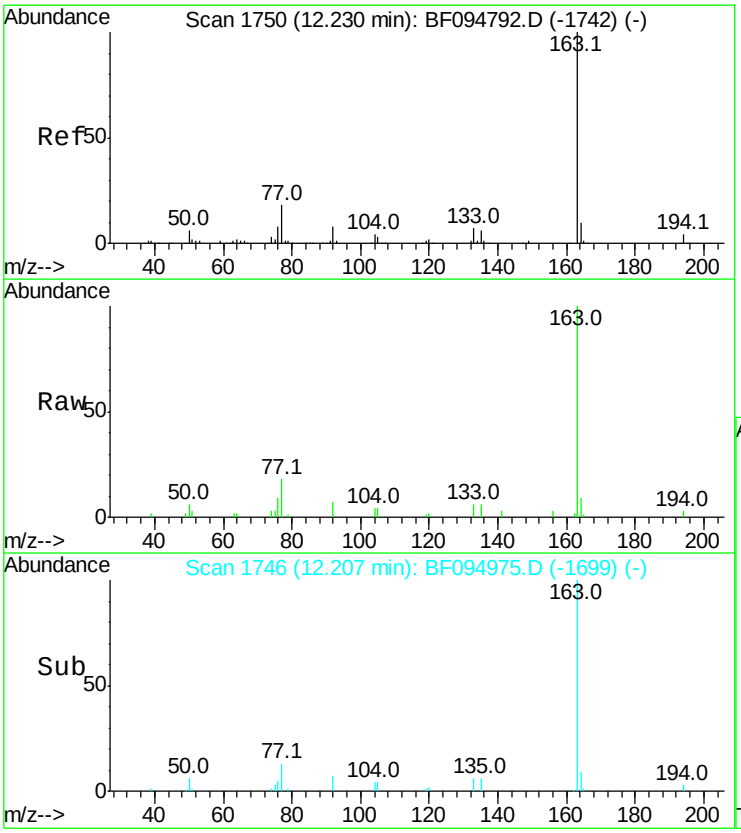
#44
2-Fluorobiphenyl
Concen: 22.75 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 266347

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.0	19.8	29.8

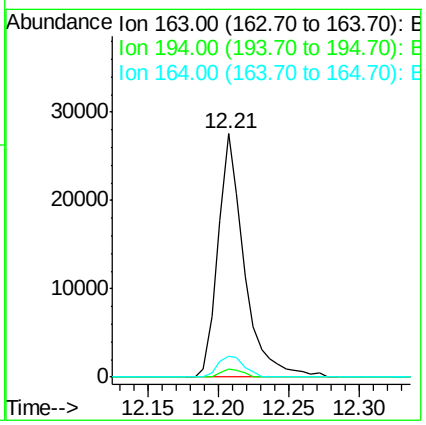


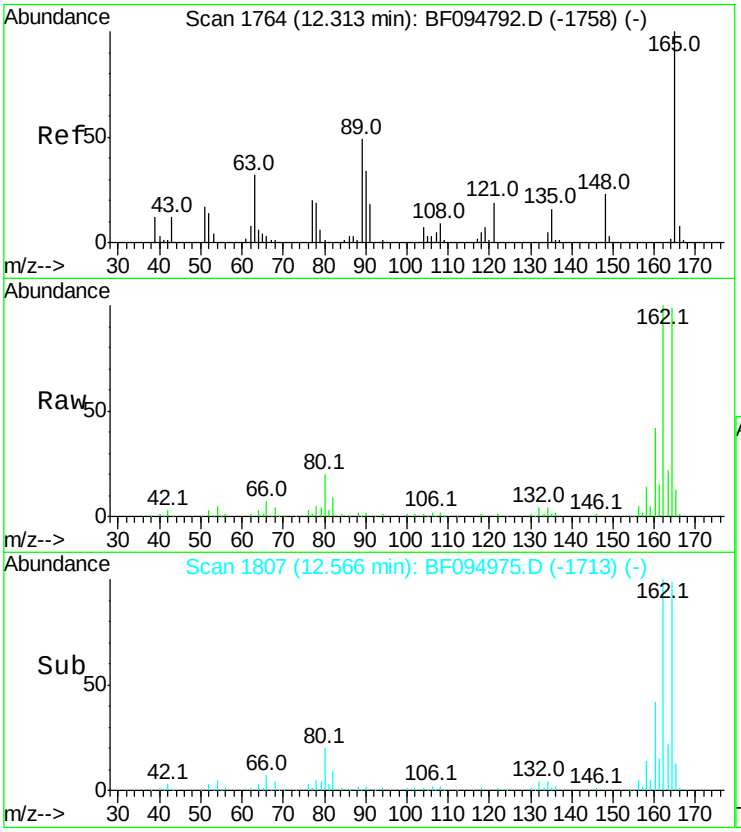


#49
Dimethylphthalate
Concen: 2.57 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:163 Resp: 35521

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	8.8	8.4	12.6



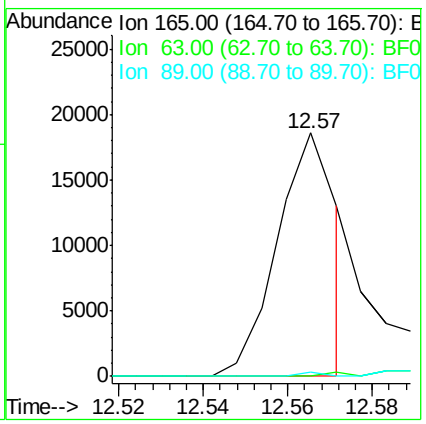


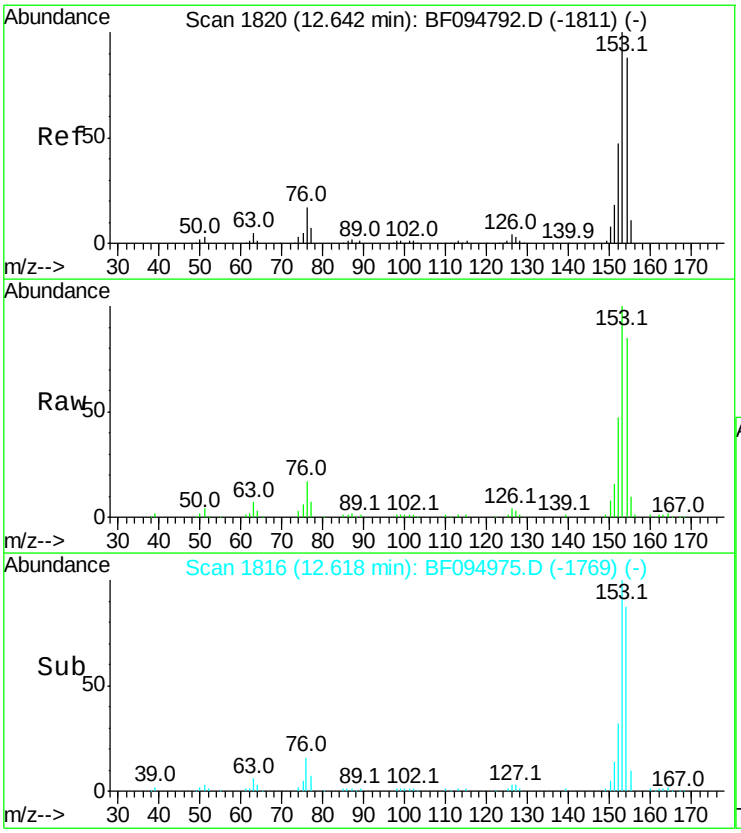
#50
2,6-Dinitrotoluene
Concen: 6.43 ng
RT: 12.57 min Scan# 1807
Delta R.T. 0.25 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 18143

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.7	37.1	55.7#

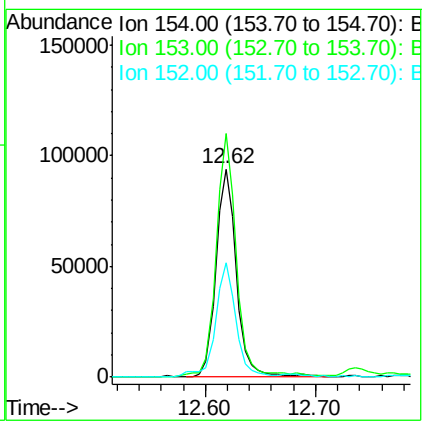


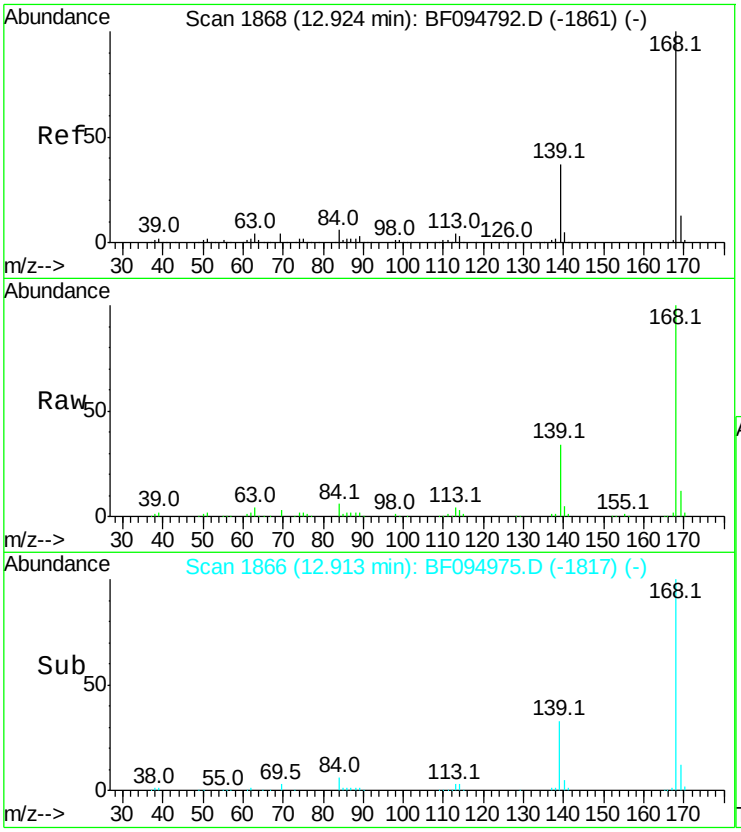


#51
Acenaphthene
Concen: 11.28 ng
RT: 12.62 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:154 Resp: 120922

Ion	Ratio	Lower	Upper
154	100		
153	117.0	90.5	135.7
152	54.8	43.6	65.4



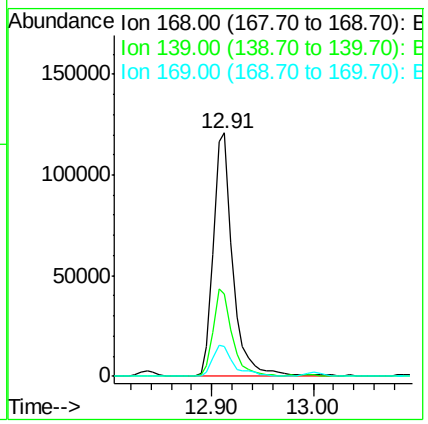


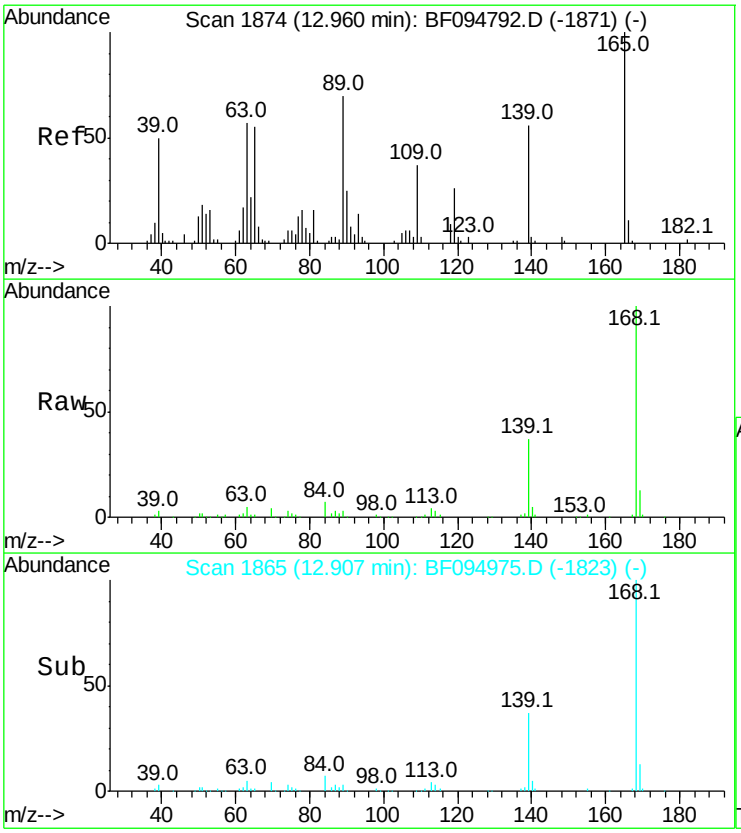
#54
Dibenzofuran
Concen: 10.89 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 161530

Ion	Ratio	Lower	Upper
168	100		
139	33.6	30.6	45.8
169	12.1	10.8	16.2

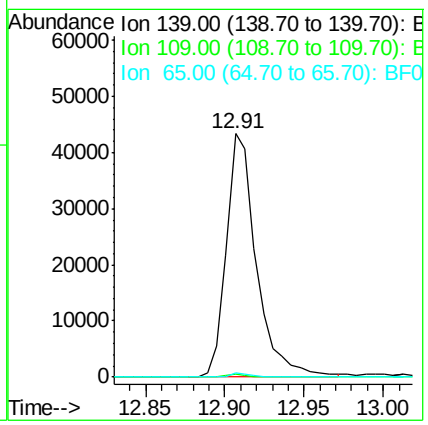


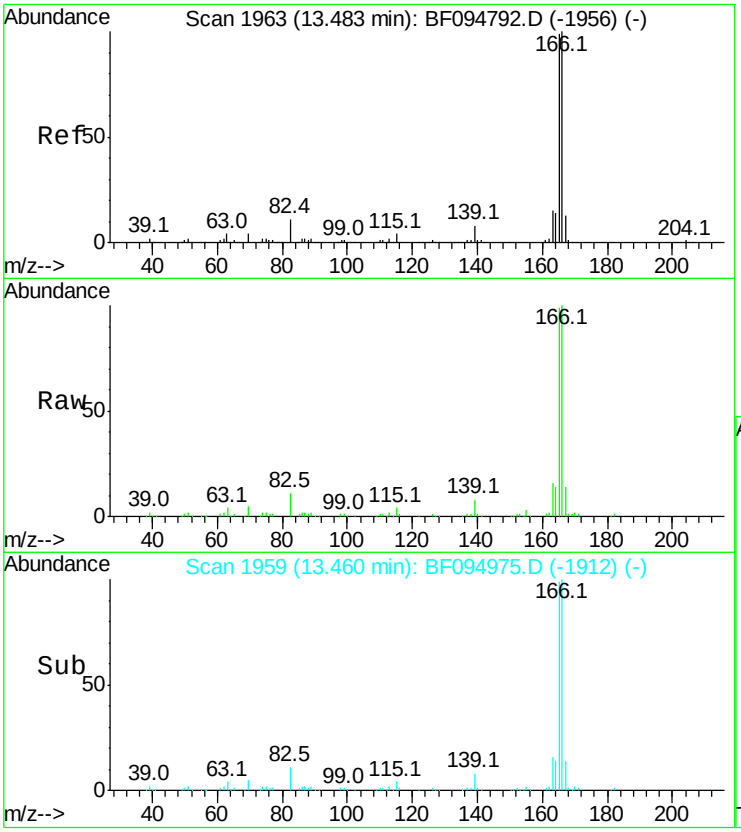


#55
4-Nitrophenol
Concen: 31.24 ng
RT: 12.91 min Scan# 1865
Delta R.T. -0.05 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:139 Resp: 56837

Ion	Ratio	Lower	Upper
139	100		
109	1.0	34.1	74.1#
65	1.7	31.4	71.4#



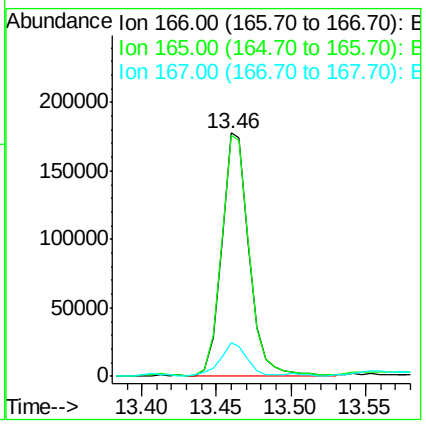


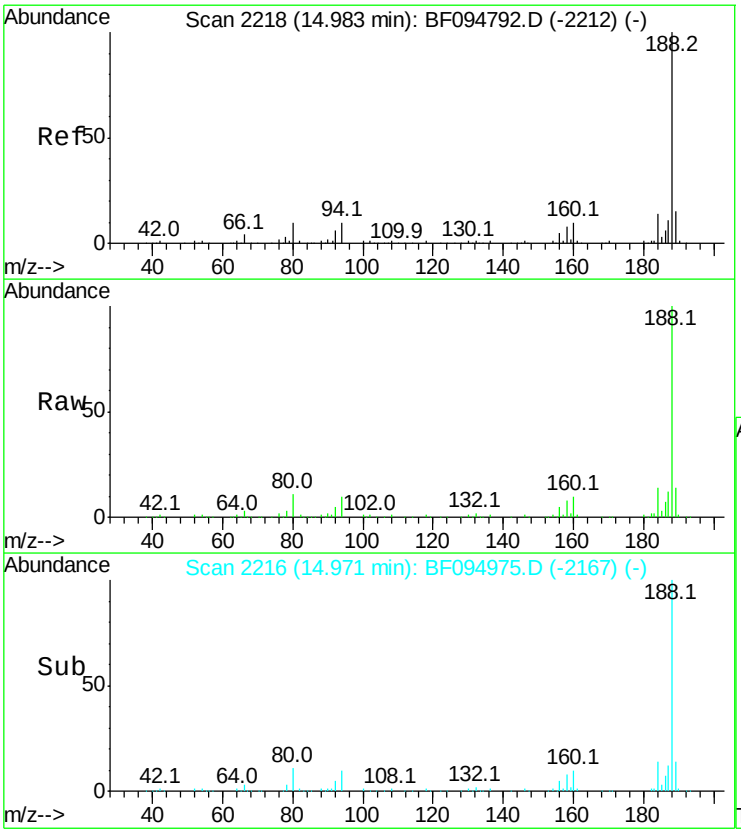
#57
Fluorene
Concen: 17.74 ng
RT: 13.46 min Scan# 1959
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 228763

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.8	118.2
167	13.9	10.6	16.0

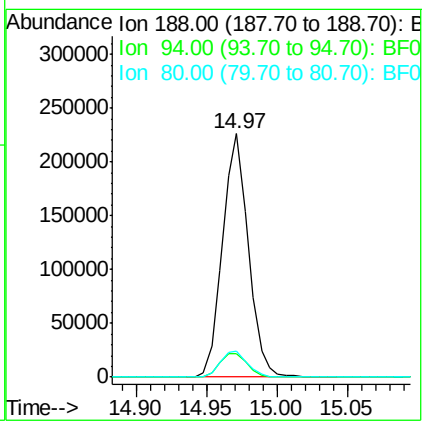


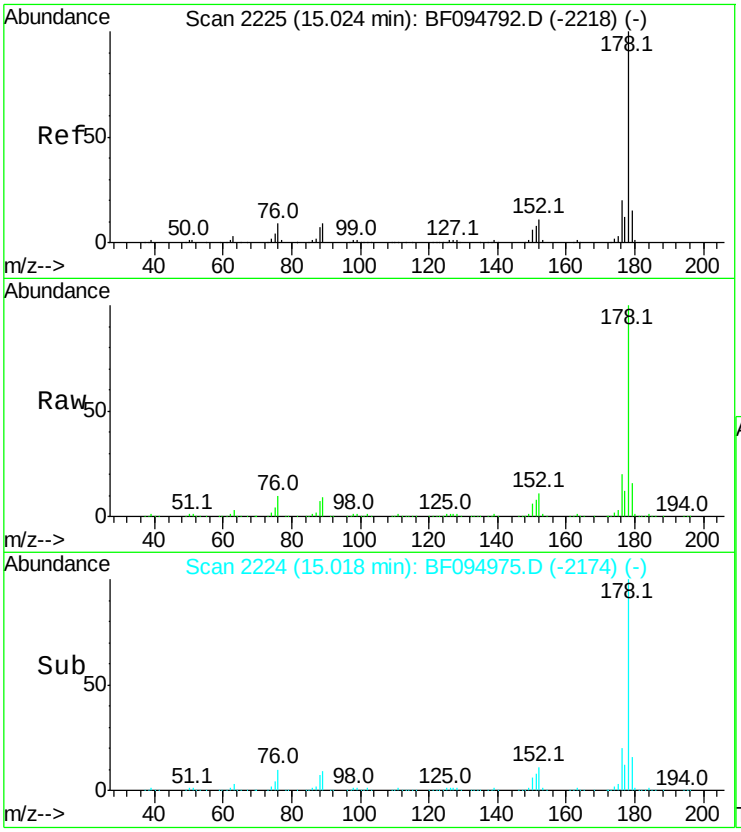


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:188 Resp: 287618

Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	10.9	10.2	15.2



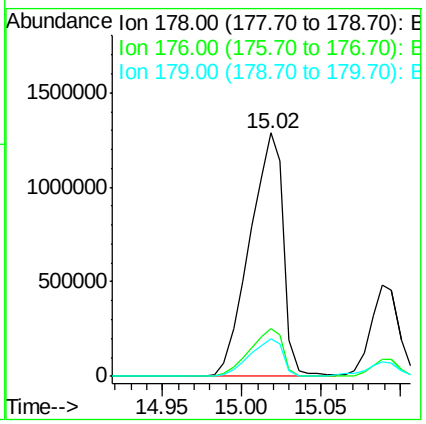


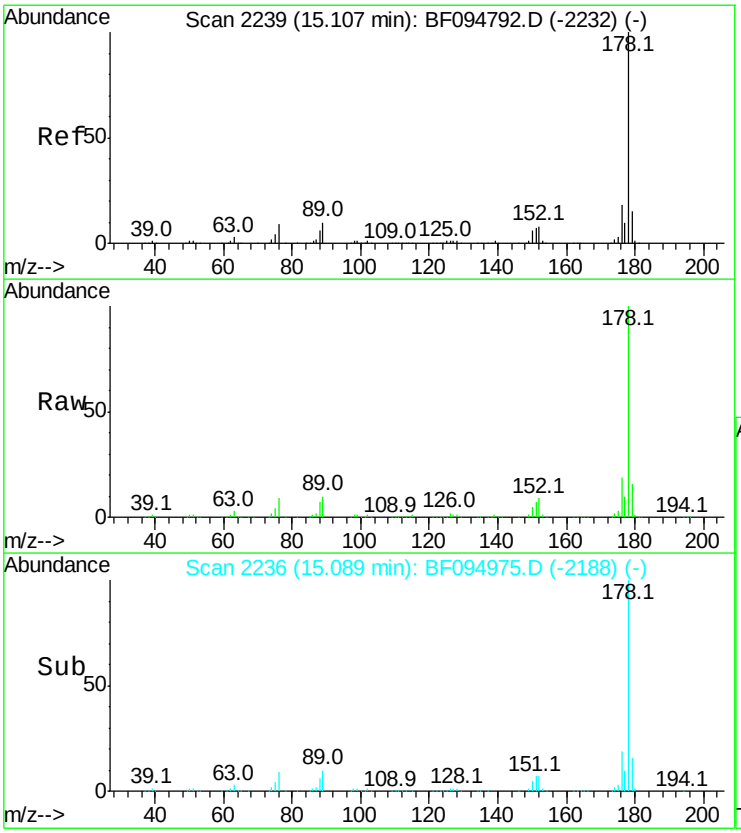
#70
Phenanthrene
Concen: 115.08 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1901782

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.5	12.6	19.0

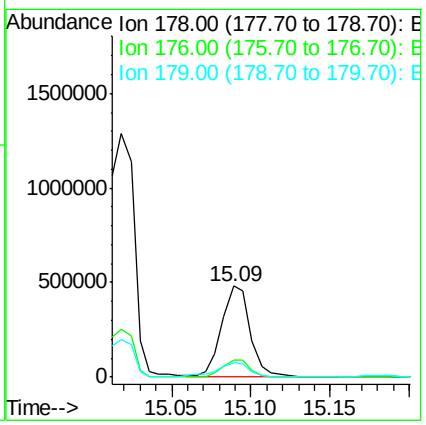


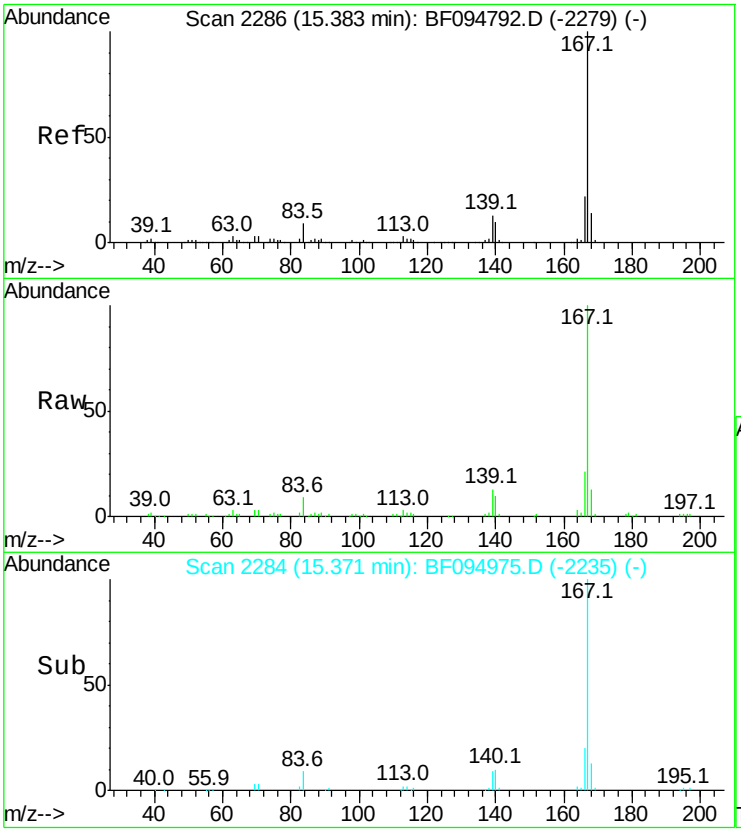


#71
Anthracene
Concen: 35.34 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:178 Resp: 596644

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.9	12.7	19.1



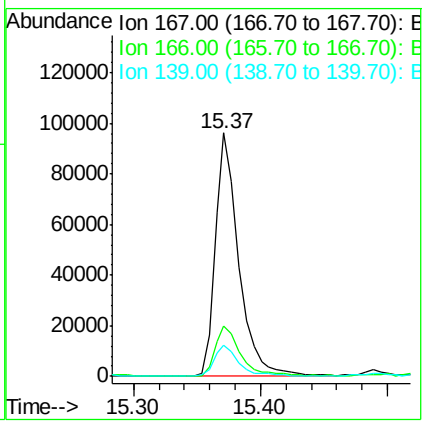


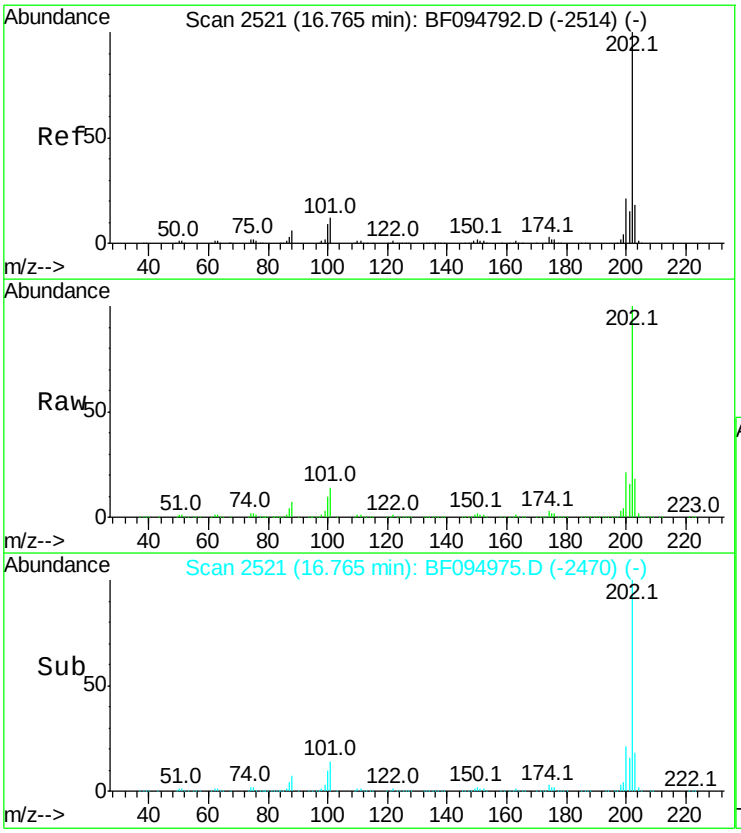
#72
Carbazole
Concen: 8.10 ng
RT: 15.37 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 124354

Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.1	27.1
139	12.9	11.7	17.5

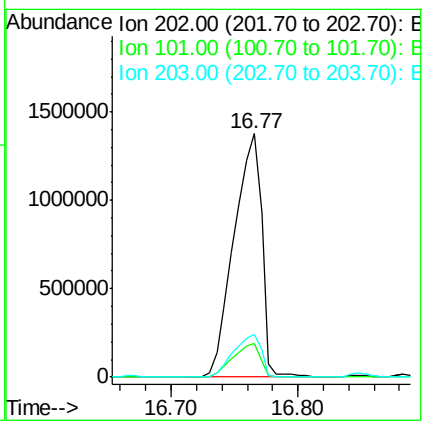


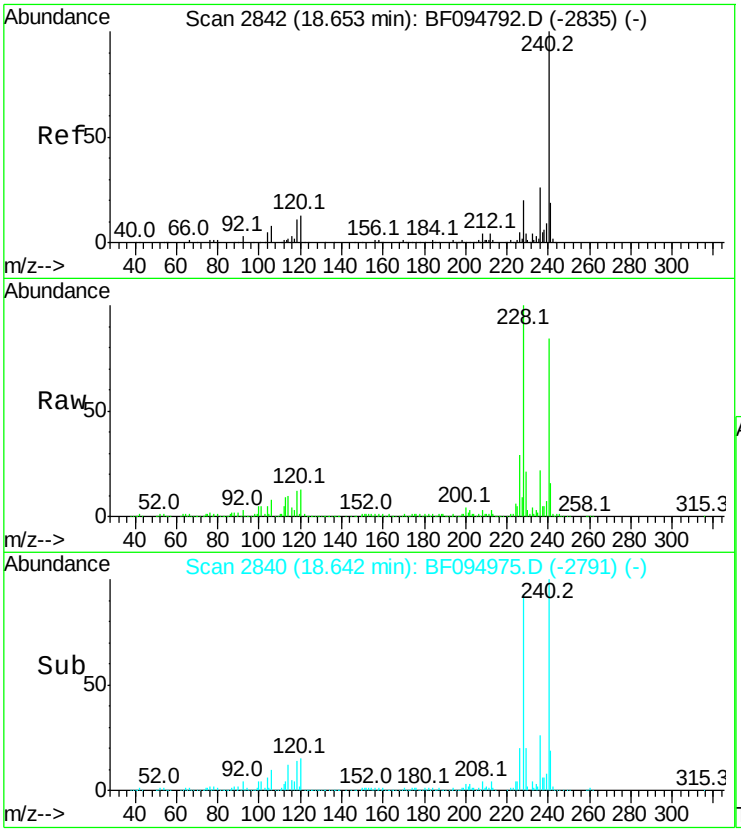


#74
Fluoranthene
Concen: 123.38 ng
RT: 16.77 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:202 Resp: 2091507

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.6	0.0	38.1



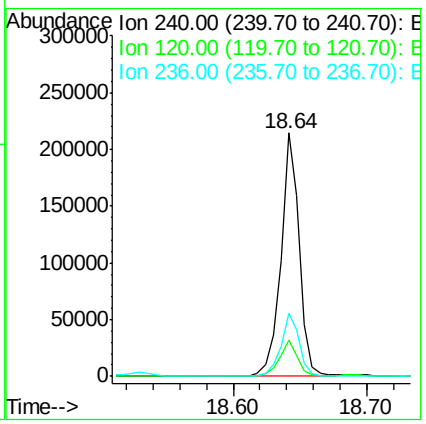


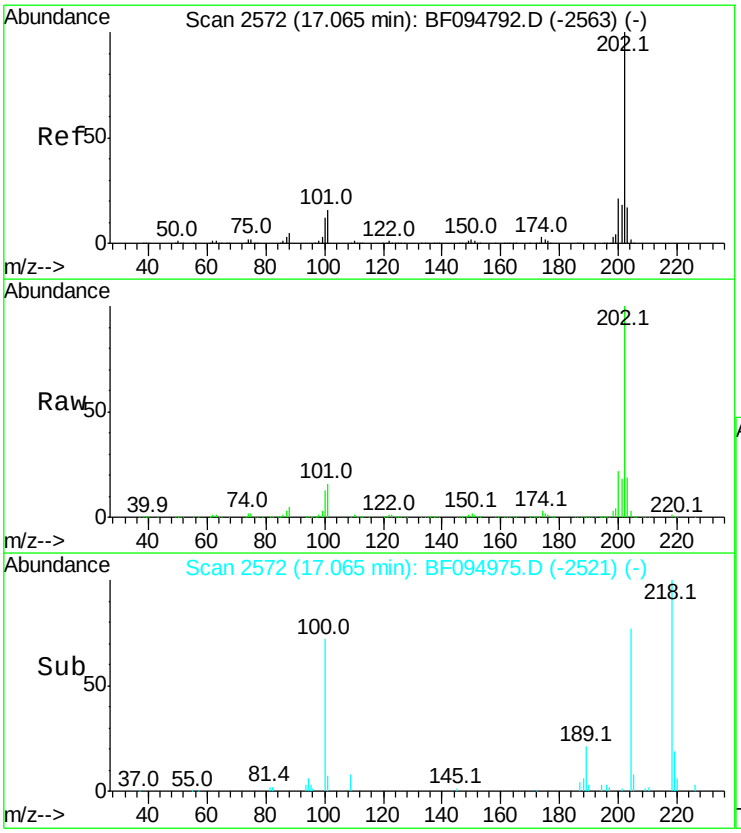
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2840
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 207420

Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	26.1	20.5	30.7

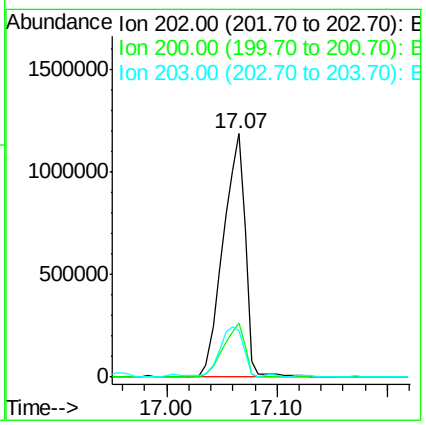


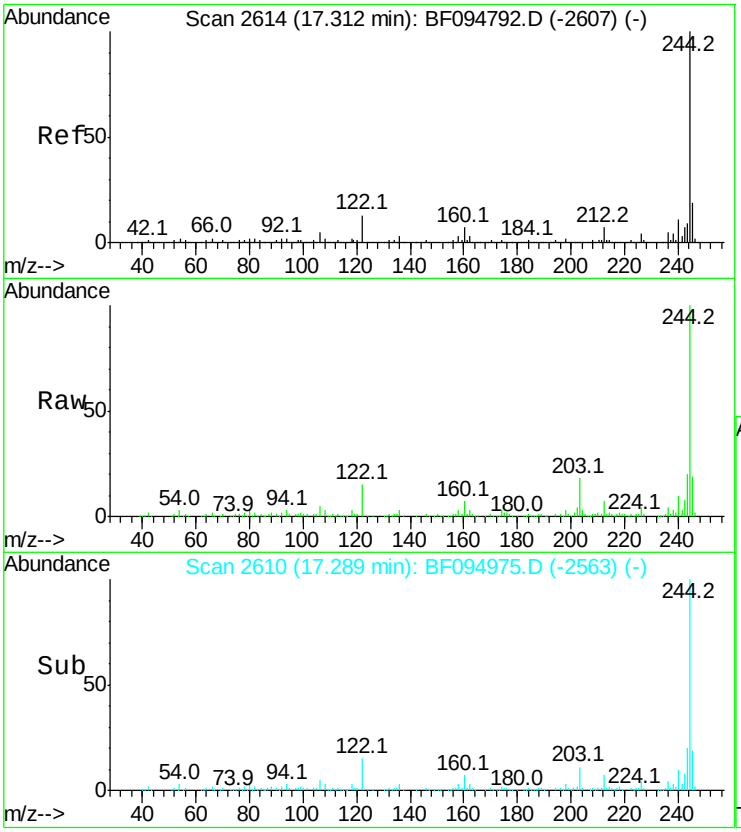


#77
Pyrene
Concen: 106.98 ng
RT: 17.07 min Scan# 2572
Delta R.T. 0.00 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:202 Resp: 1659525

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.9	14.4	21.6



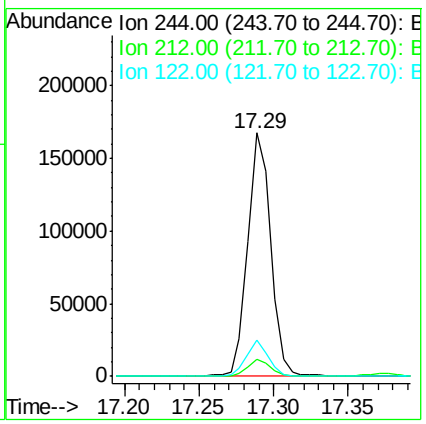


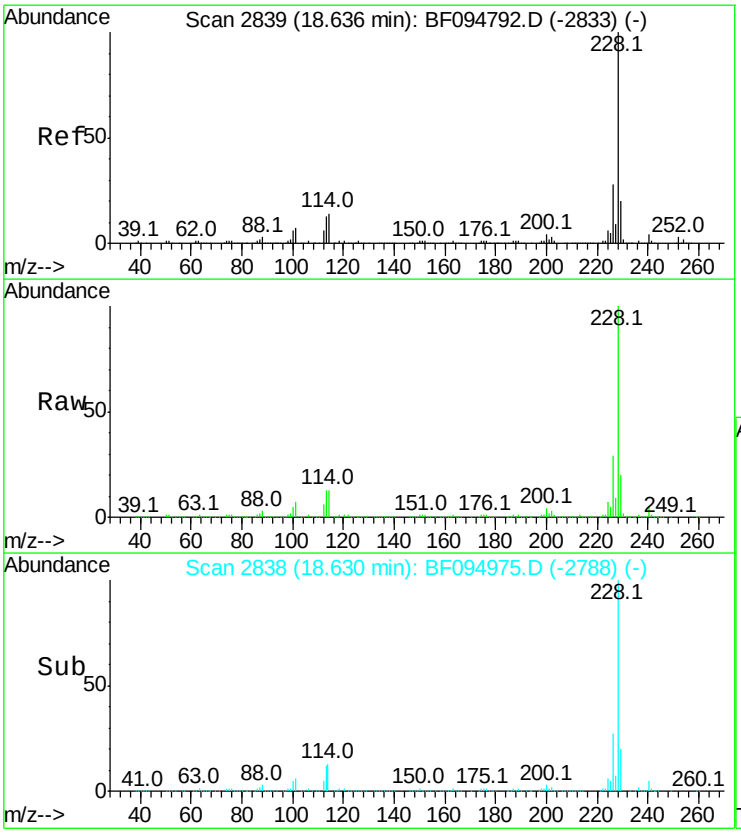
#78
Terphenyl-d14
Concen: 18.92 ng
RT: 17.29 min Scan# 2610
Delta R.T. -0.02 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 178144

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.8	10.3	15.5

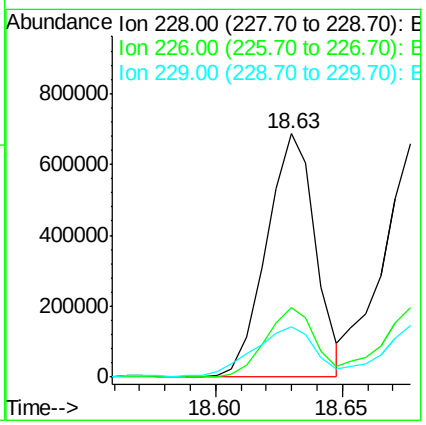


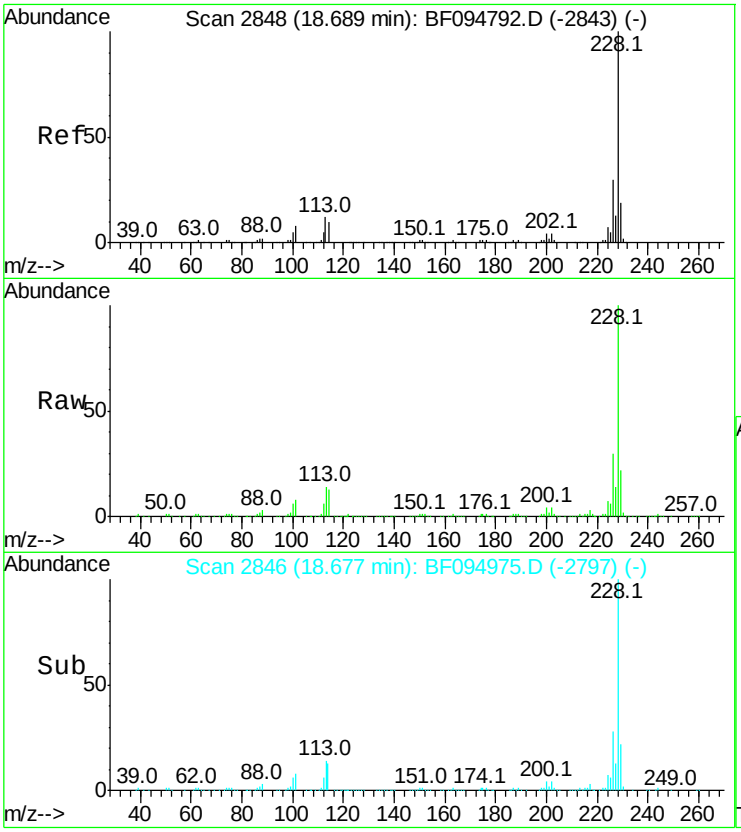


#80
Benzo(a)anthracene
Concen: 76.18 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:228 Resp: 919614

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.5	16.3	24.5



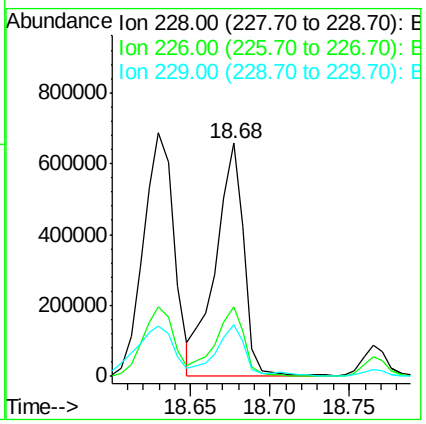


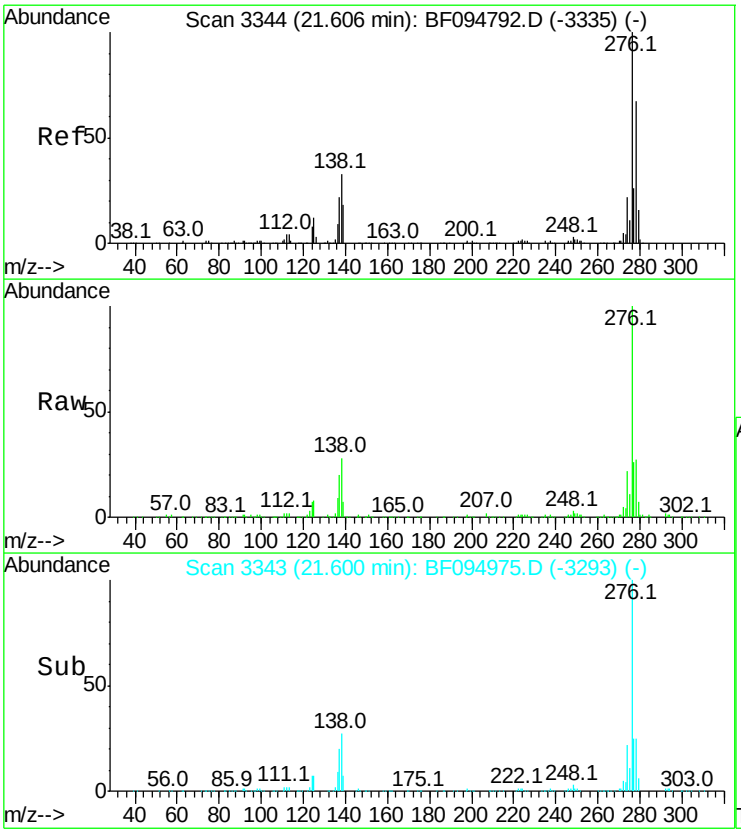
#82
Chrysene
Concen: 69.09 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 806413

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.4	15.8	23.6

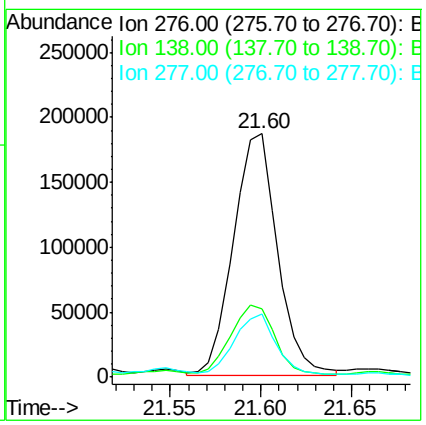


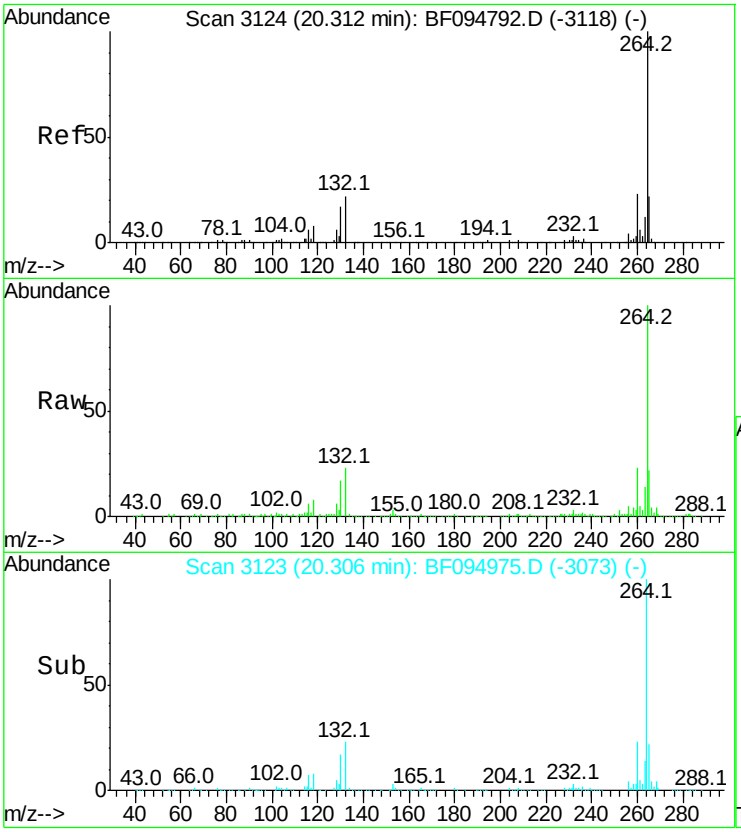


#85
Indeno(1,2,3-cd)pyrene
Concen: 33.41 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:276 Resp: 316658

Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	23.5	20.2	30.4



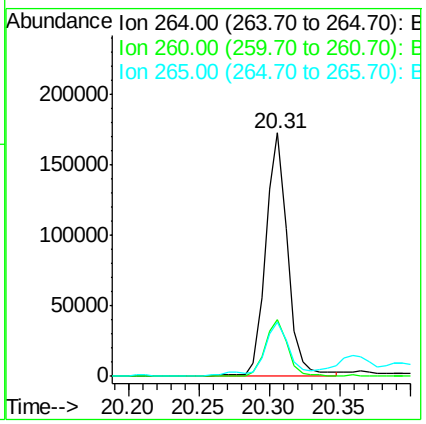


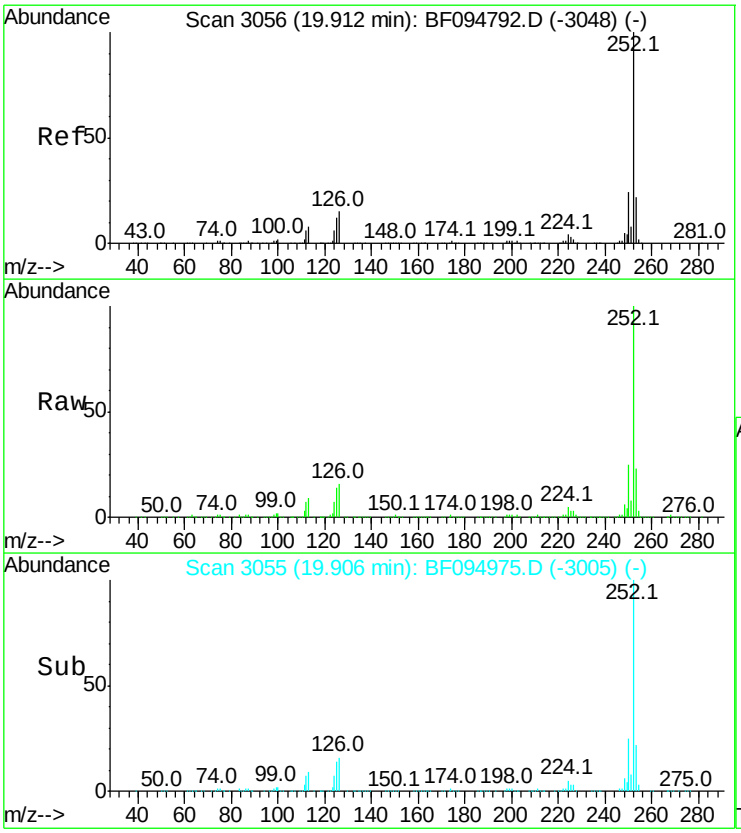
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 189602

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.3	17.2	25.8

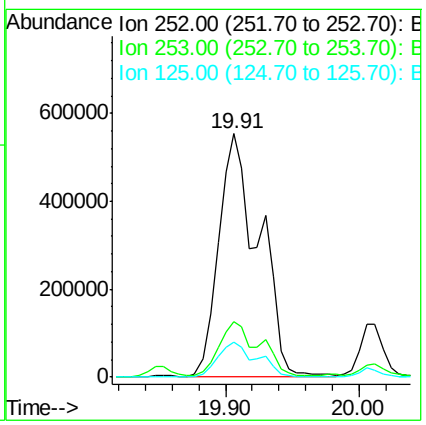


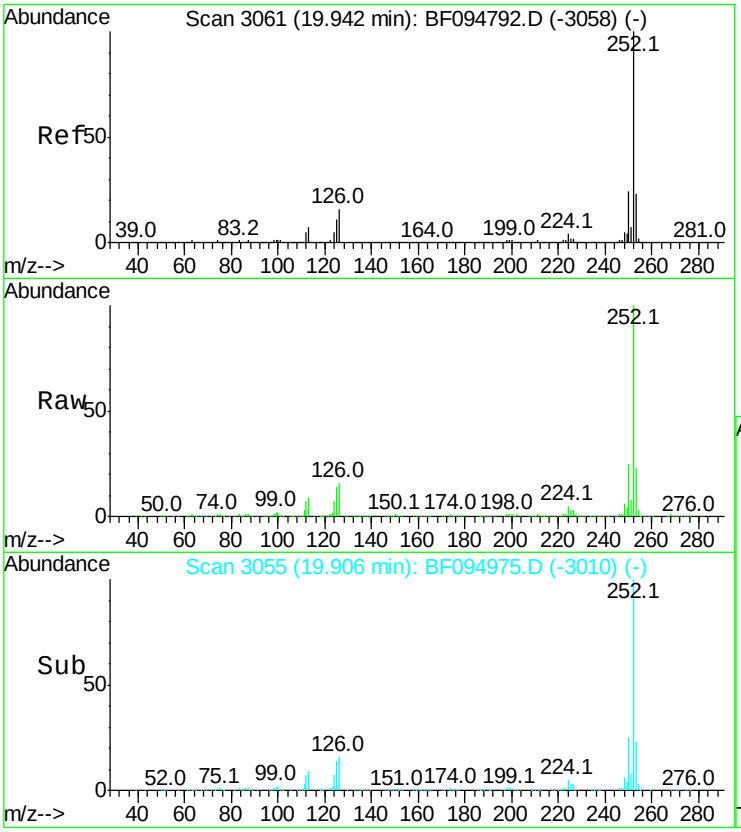


#87
Benzo(b)fluoranthene
Concen: 98.15 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:252 Resp: 1149947

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.5	9.8	14.8



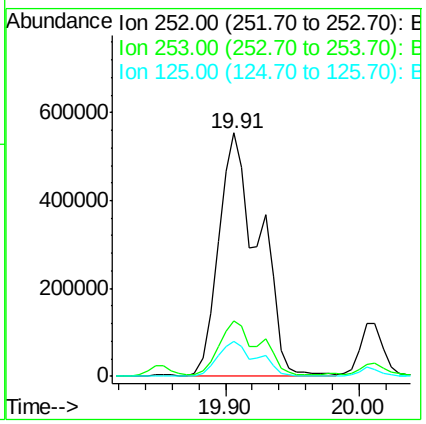


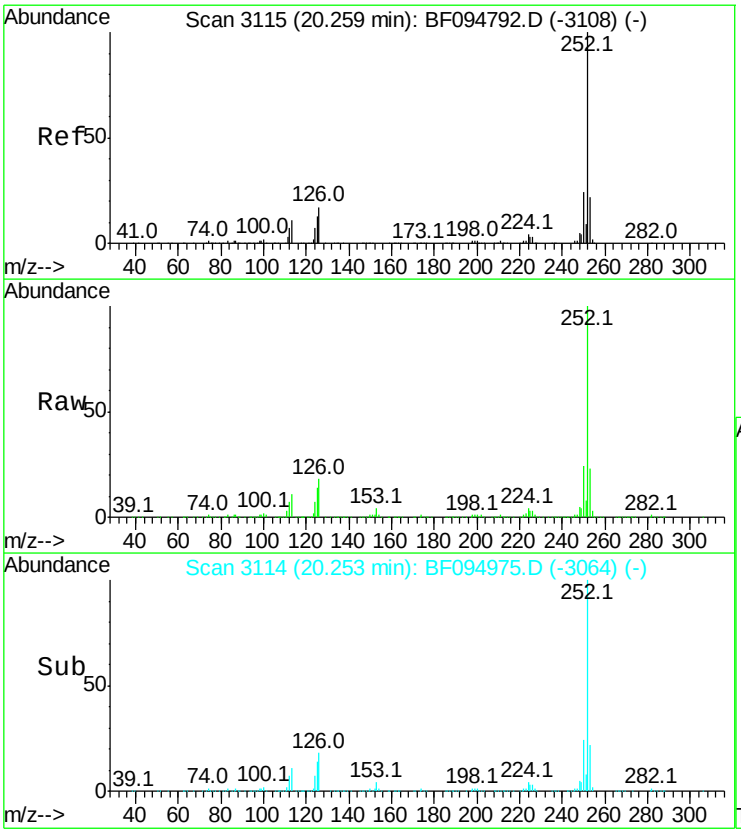
#88
Benzo(k)fluoranthene
Concen: 101.76 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1149947

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.5	13.1	19.7

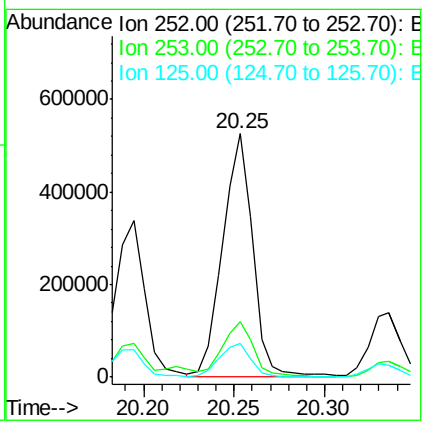


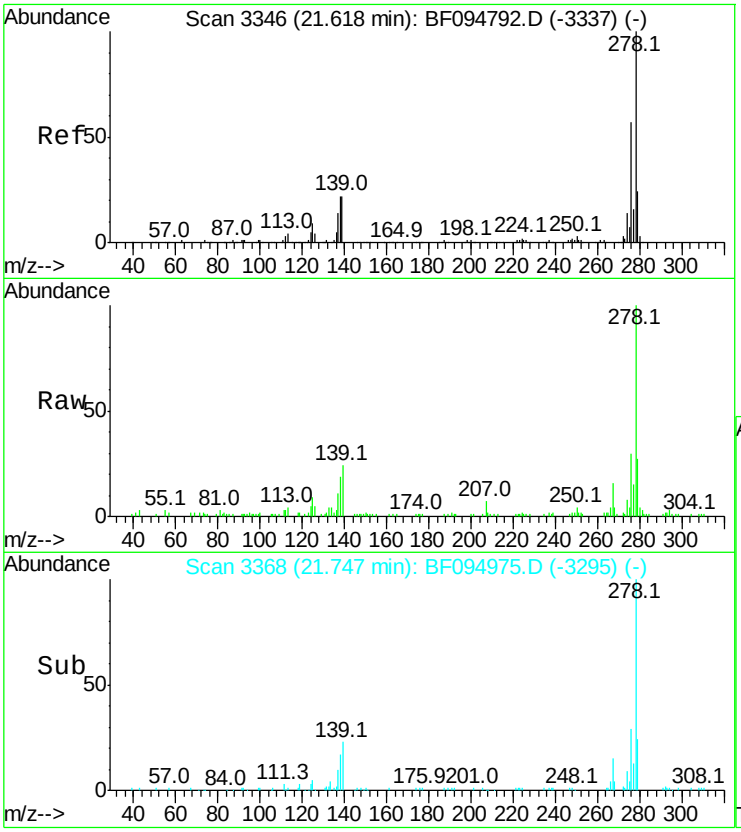


#89
Benzo(a)pyrene
Concen: 55.46 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:252 Resp: 599599

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.9	11.0	16.4



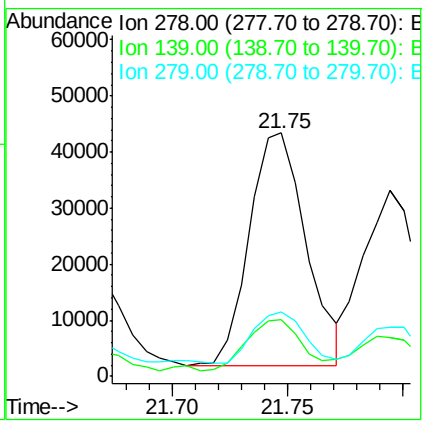


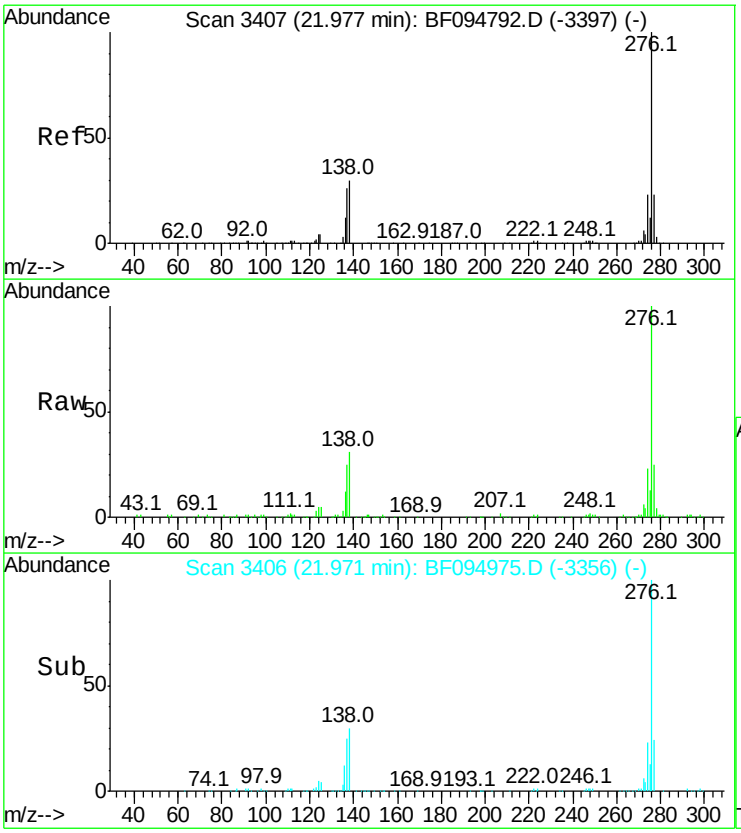
#90
Dibenzo(a,h)anthracene
Concen: 7.92 ng
RT: 21.75 min Scan# 3368
Delta R.T. 0.13 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 70719

Ion	Ratio	Lower	Upper
278	100		
139	23.5	16.6	24.8
279	26.7	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 29.73 ng
RT: 21.97 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BF094975.D
Acq: 8 May 2017 8:22

Tgt Ion:276 Resp: 260446

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	31.0	25.4	38.0