Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094780.D
Acq On : 2 May 2017 5:57
Operator : SJ/MA
Sample : I2892-03
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-N(2.5-3)

Quant Time: May 02 18:21:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	98790	20.00	ng		0.00
21) Naphthalene-d8	7.25	136	367927	20.00	ng		0.00
38) Acenaphthene-d10	9.40	164	140930	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	198531	20.00	ng		0.00
75) Chrysene-d12	14.49	240	152697	20.00	ng		0.03
86) Perylene-d12	16.14	264	110201	20.00	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	4.32	112	907256	152.36	ng		0.02
7) Phenol-d6	5.40	99	1062603	151.37	ng		0.00
23) Nitrobenzene-d5	6.42	82	626218	105.10	ng		0.00
41) 2,4,6-Tribromophenol	10.38	330	159089	144.32	ng		0.00
44) 2-Fluorobiphenyl	8.58	172	1076295	112.37	ng		0.00
78) Terphenyl-d14	13.21	244	676064	118.34	ng		0.00
Target Compounds							Qvalue
10) Phenol	5.41	94	30410	3.53	ng		81
31) Naphthalene	7.28	128	63280	3.58	ng		98
37) 2-Methylnaphthalene	8.12	142	34451	2.85	ng		98
49) Dimethylphthalate	9.08	163	249100	23.72	ng		99
51) Acenaphthene	9.43	154	30865	3.61	ng		94
57) Fluorene	10.07	166	36813	3.80	ng	#	85
70) Phenanthrene	11.25	178	357997	32.02	ng		97
71) Anthracene	11.32	178	98533m	8.52	ng		
72) Carbazole	11.53	167	34372	3.17	ng	#	57
74) Fluoranthene	12.72	202	563853	48.66	ng		100
77) Pyrene	13.00	202	498519	46.73	ng	#	94
80) Benzo(a)anthracene	14.48	228	263064	29.64	ng	#	95
82) Chrysene	14.52	228	235721	29.06	ng	#	93
85) Indeno(1,2,3-cd)pyrene	17.45	276	94549	12.25	ng		93
87) Benzo(b)fluoranthene	15.74	252	235097m	34.87	ng		
88) Benzo(k)fluoranthene	15.75	252	80563m	12.63	ng		
89) Benzo(a)pyrene	16.08	252	166357	26.53	ng	#	63
90) Dibenzo(a,h)anthracene	17.45	278	26404m	5.07	ng		
91) Benzo(g,h,i)perylene	17.83	276	107591	20.29	ng		94

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

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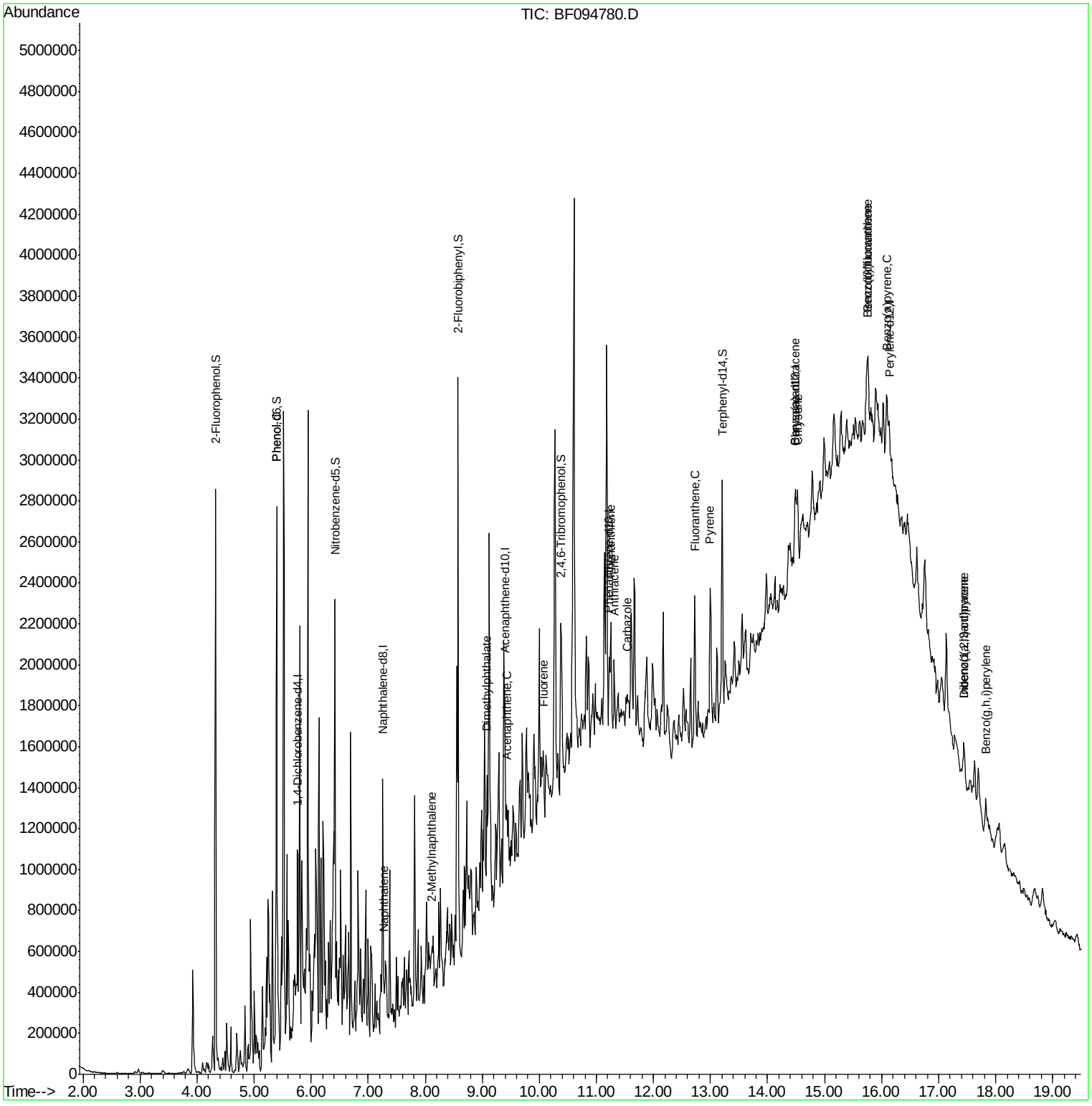
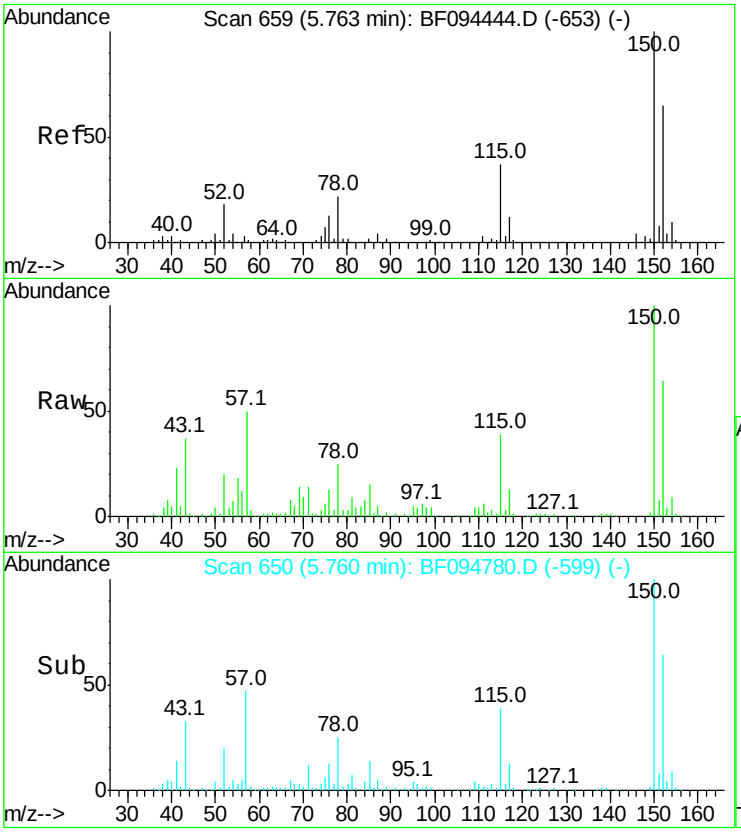


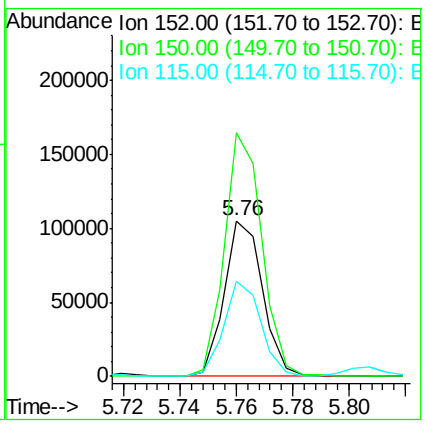


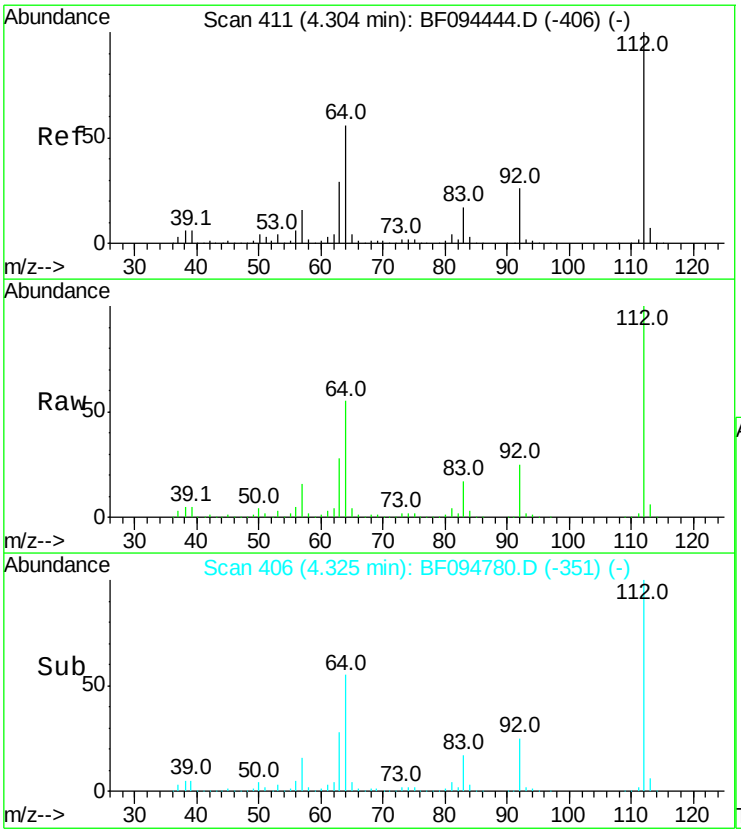
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:152 Resp: 98790

Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	61.5	52.2	78.2

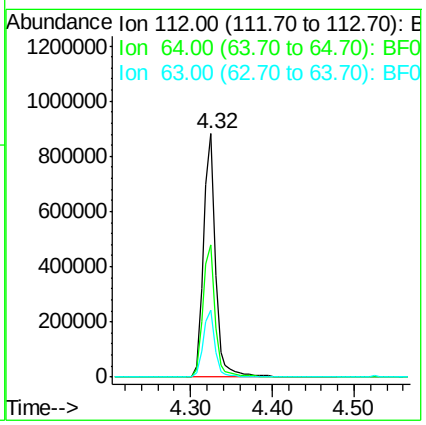


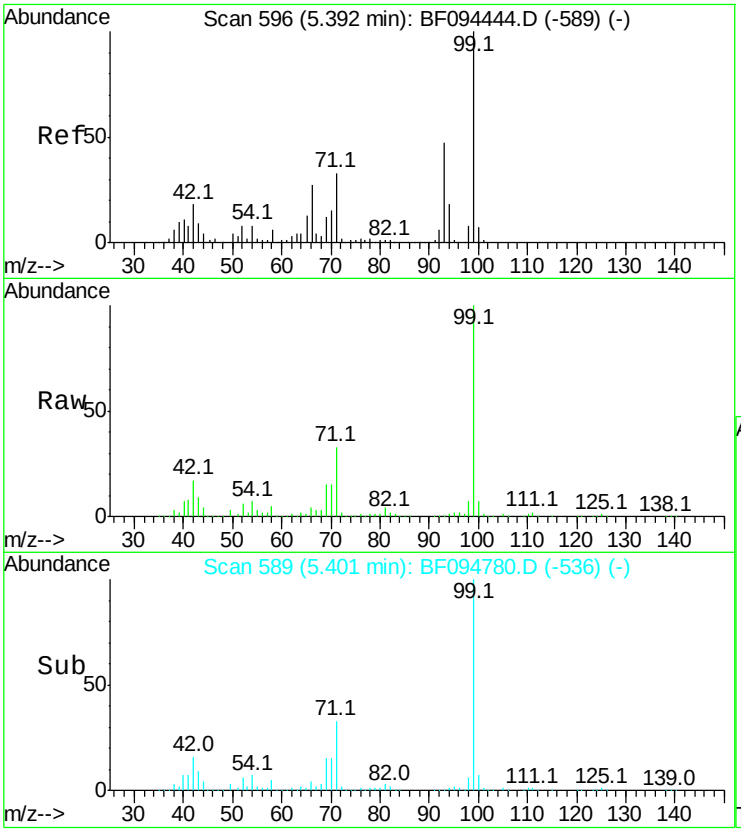


#5
2-Fluorophenol
Concen: 152.36 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:112 Resp: 907256

Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	27.6	23.4	35.0



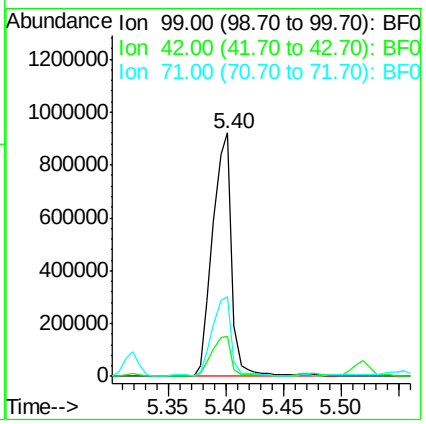


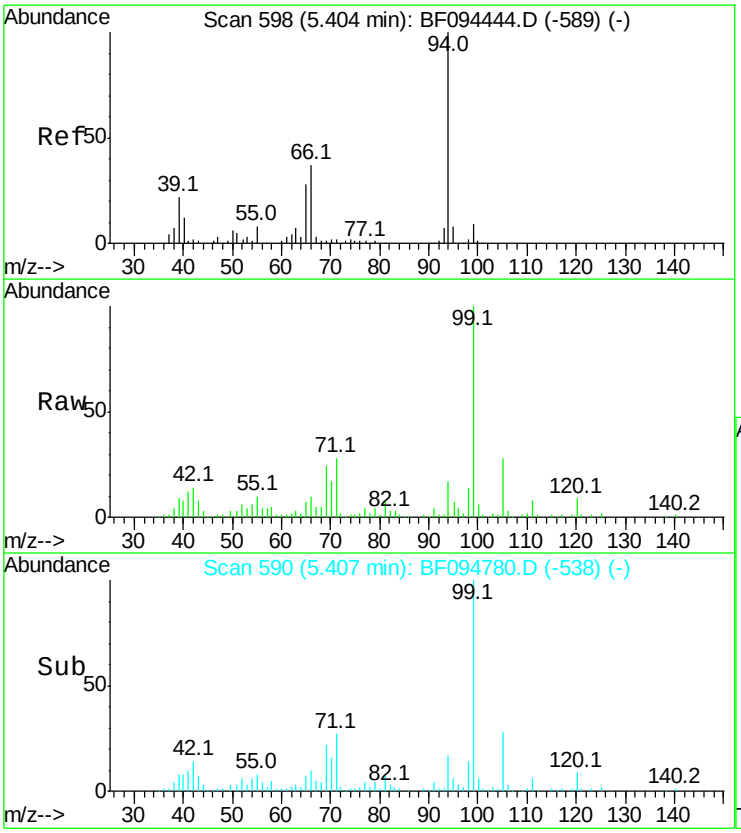
#7
Phenol-d6
Concen: 151.37 ng
RT: 5.40 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion: 99 Resp: 1062603

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.5	20.3
71	33.0	24.5	36.7

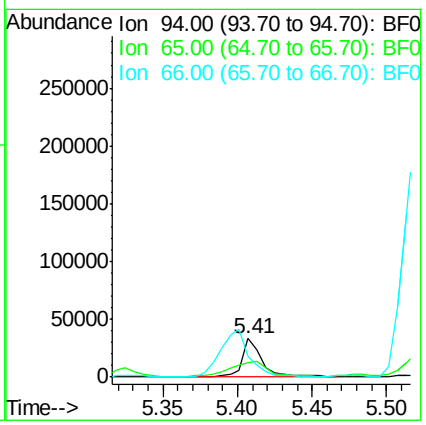


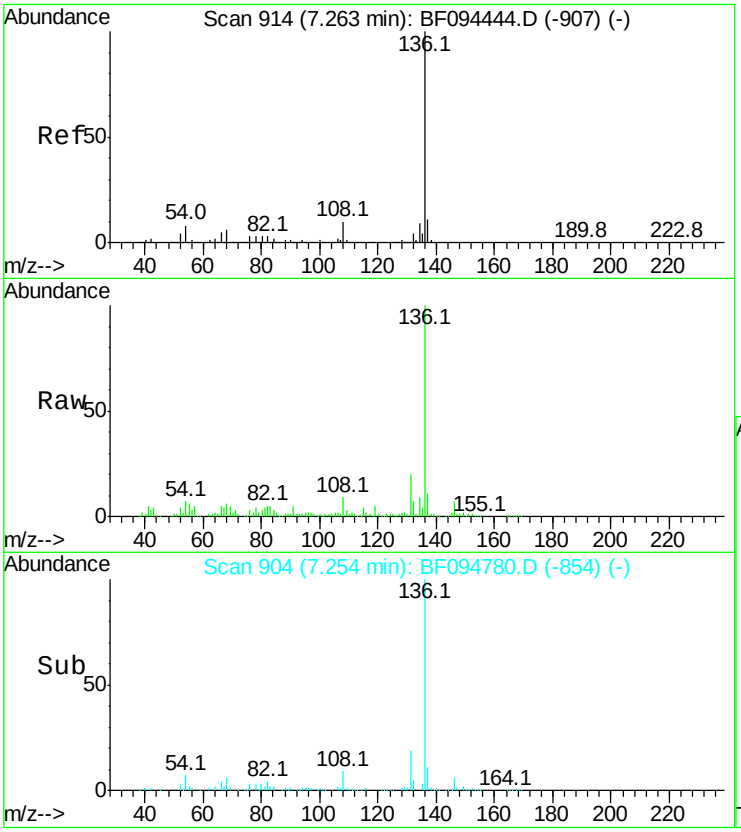


#10
Phenol
Concen: 3.53 ng
RT: 5.41 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion: 94 Resp: 30410

Ion	Ratio	Lower	Upper
94	100		
65	38.7	9.9	49.9
66	56.0	23.1	63.1

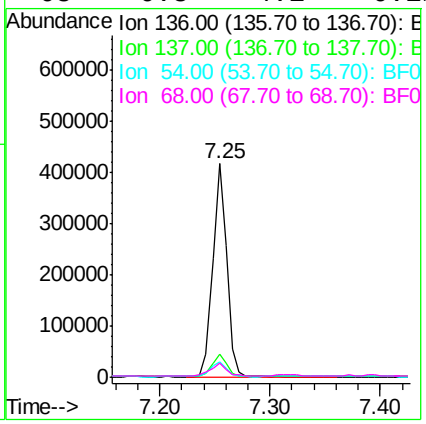




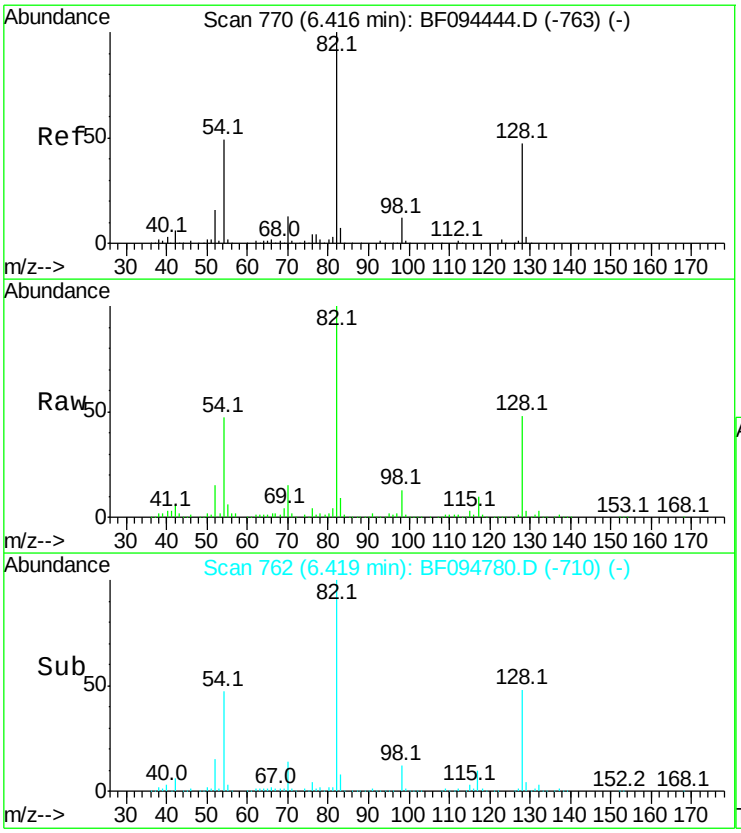
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:136 Resp: 367927

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.3	4.9	7.3#
68	6.3	4.1	6.1#



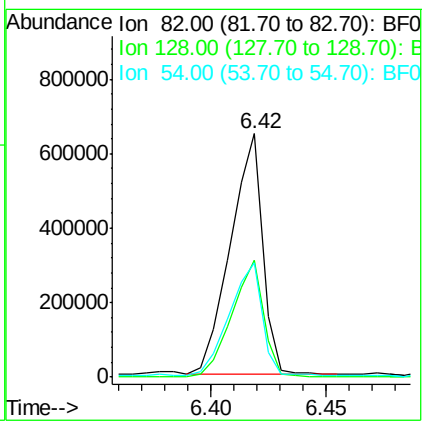
Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

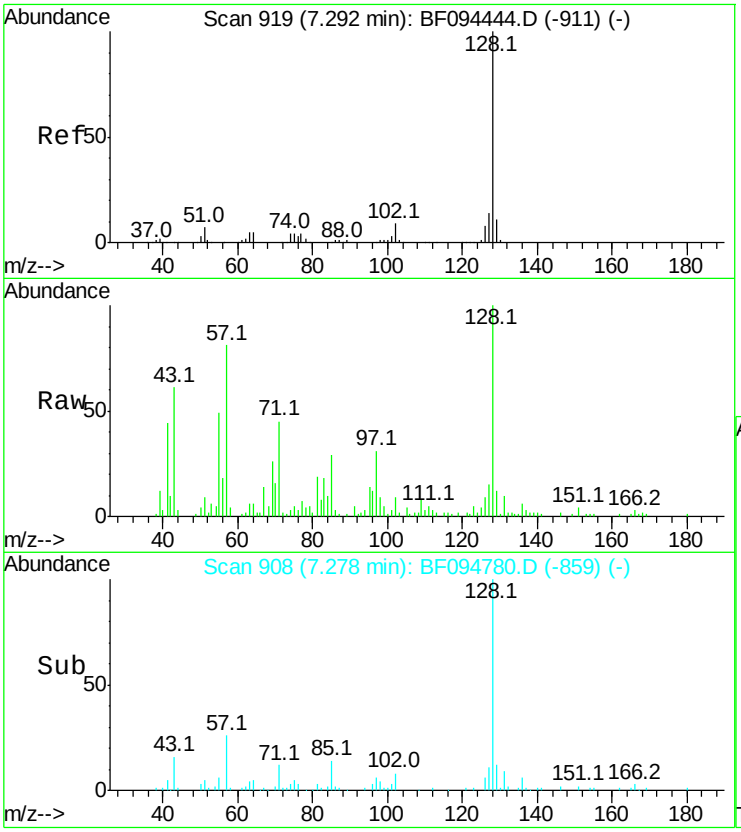


#23
Nitrobenzene-d5
Concen: 105.10 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion: 82 Resp: 626218

Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	46.8	42.2	63.2



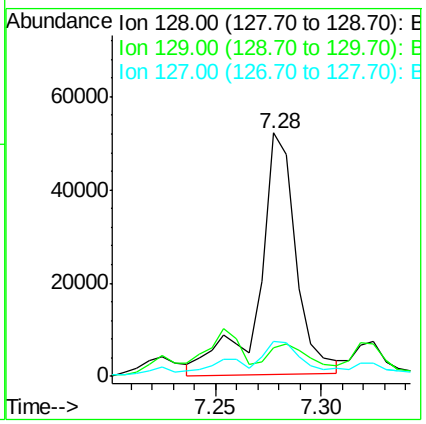


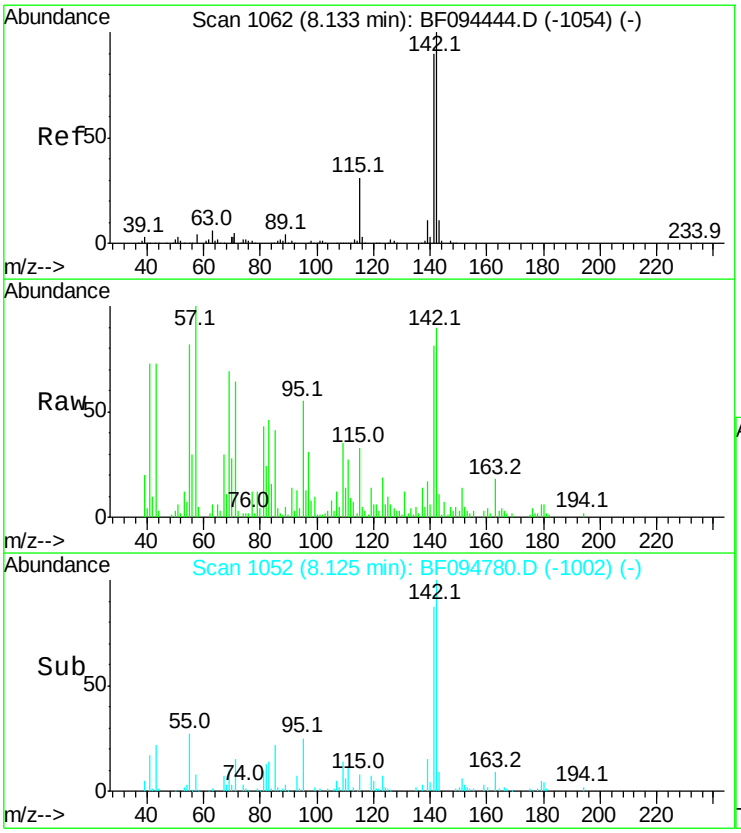
#31
Naphthalene
Concen: 3.58 ng
RT: 7.28 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:128 Resp: 63280

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	14.6	10.8	16.2

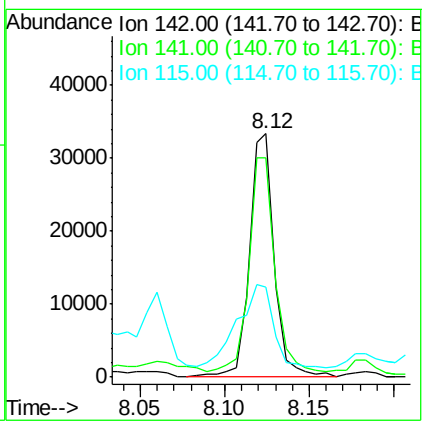


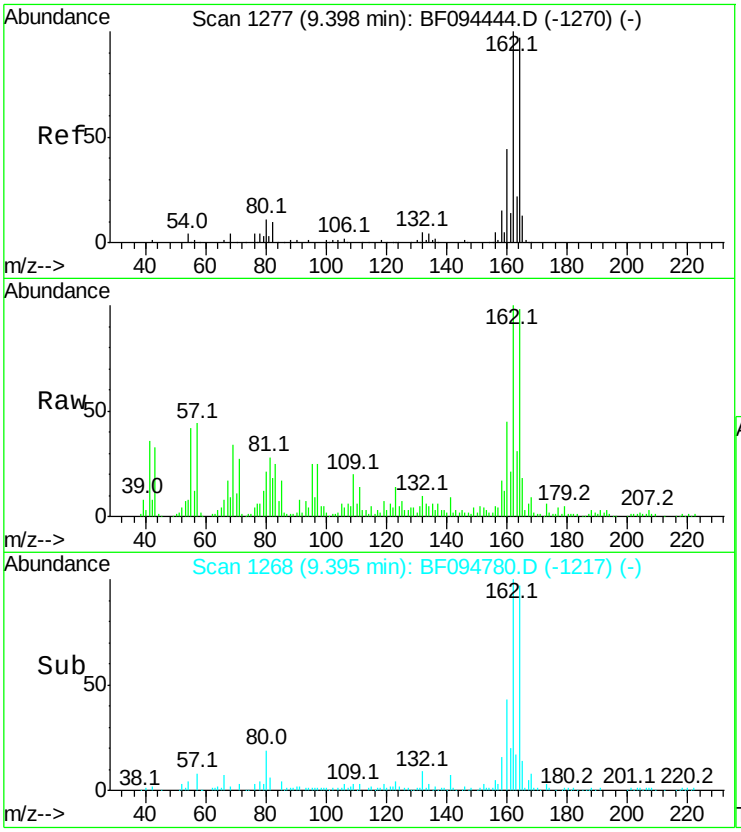


#37
2-Methylnaphthalene
Concen: 2.85 ng
RT: 8.12 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:142 Resp: 34451

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	36.8	27.1	40.7



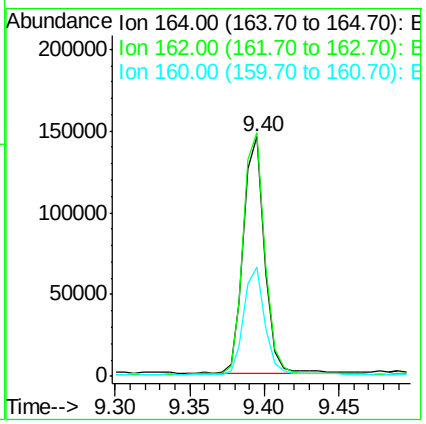


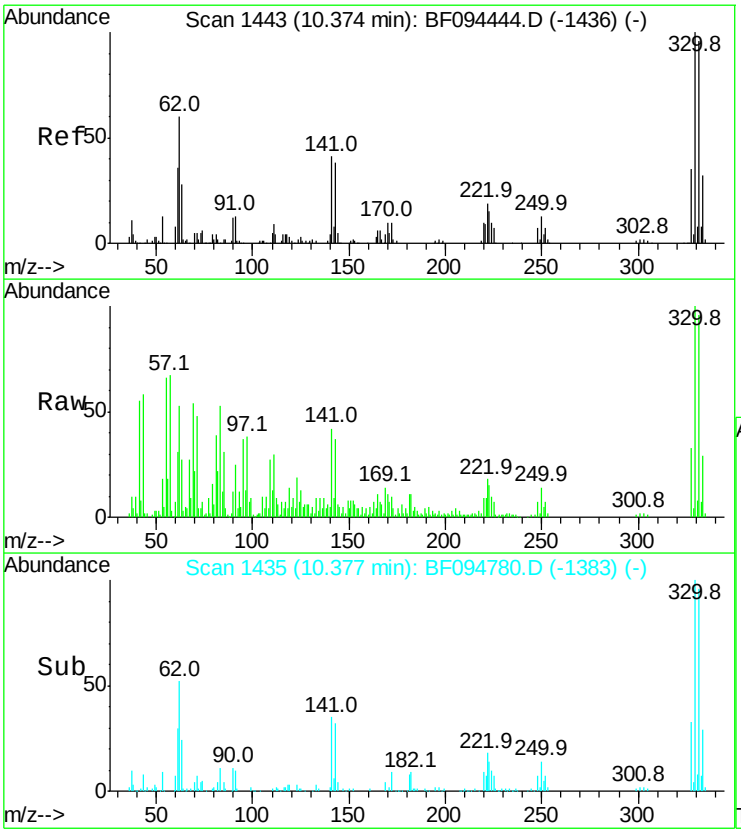
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:164 Resp: 140930

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	45.3	36.2	54.2

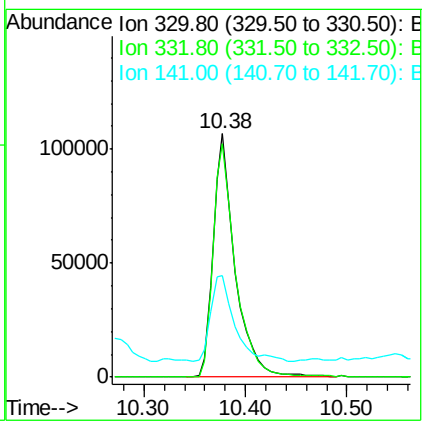


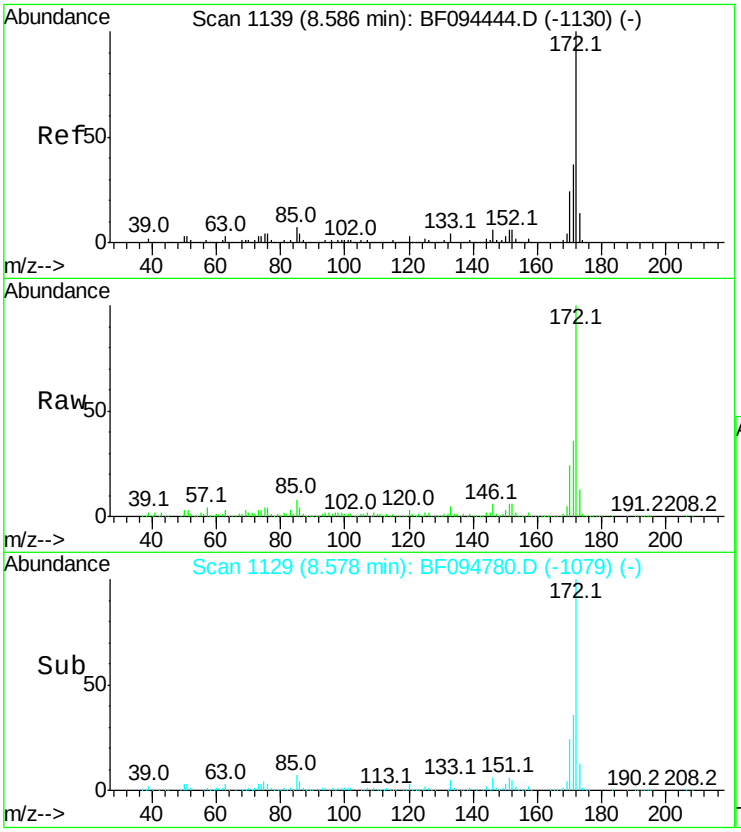


#41
2,4,6-Tribromophenol
Concen: 144.32 ng
RT: 10.38 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:330 Resp: 159089

Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.6	115.0
141	39.2	31.4	47.2



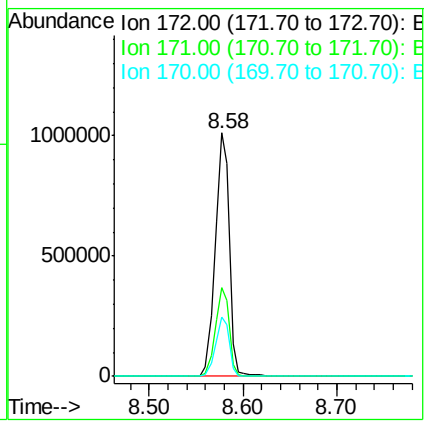


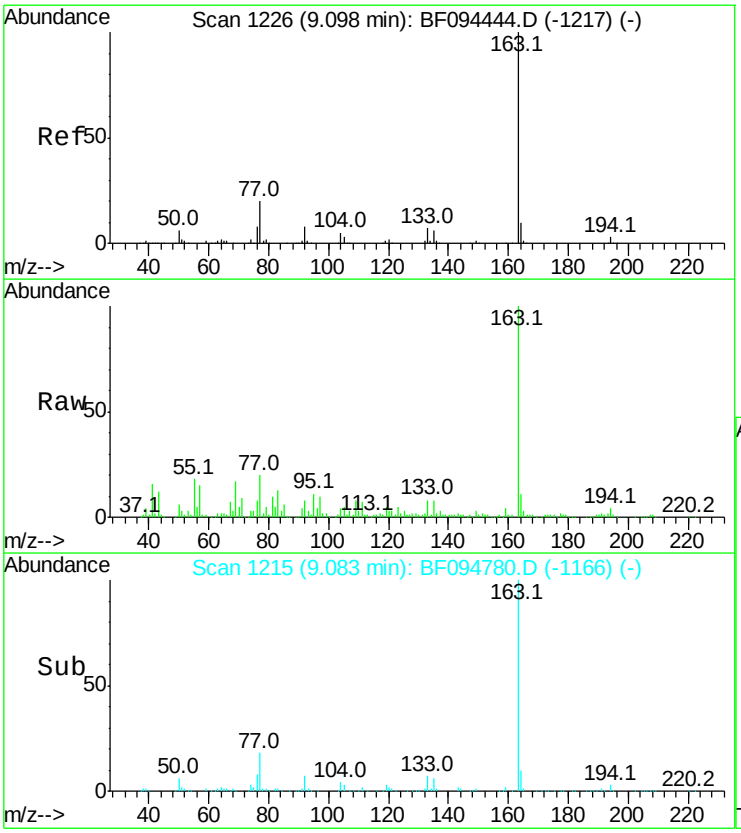
#44
2-Fluorobiphenyl
Concen: 112.37 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:172 Resp: 1076295

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.2	19.8	29.8

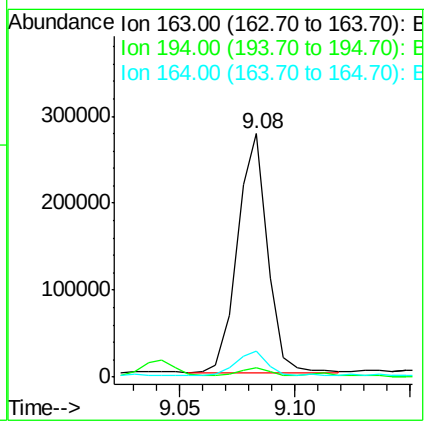


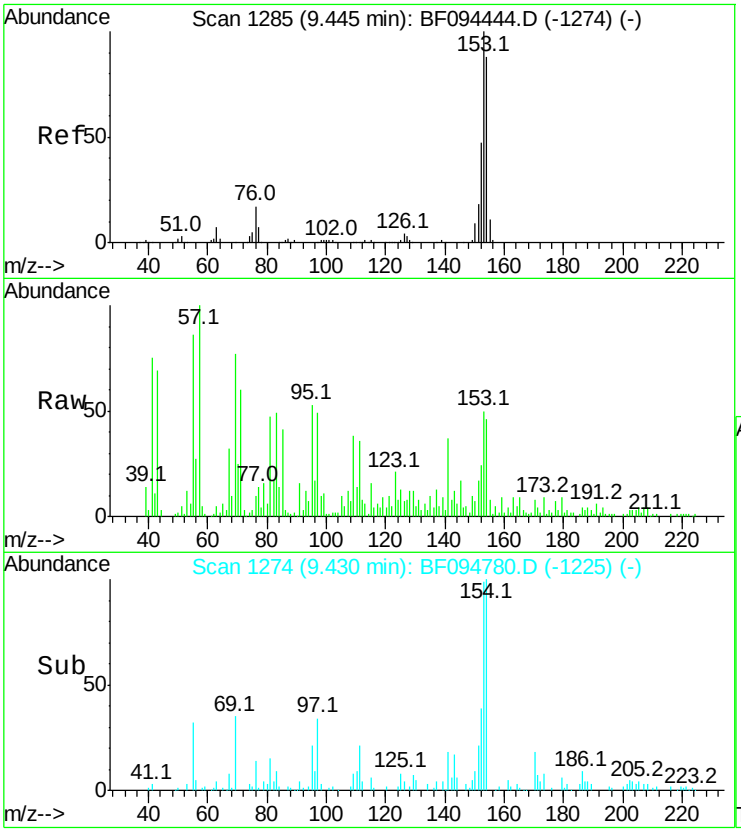


#49
Dimethylphthalate
Concen: 23.72 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:163 Resp: 249100

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.6	8.4	12.6



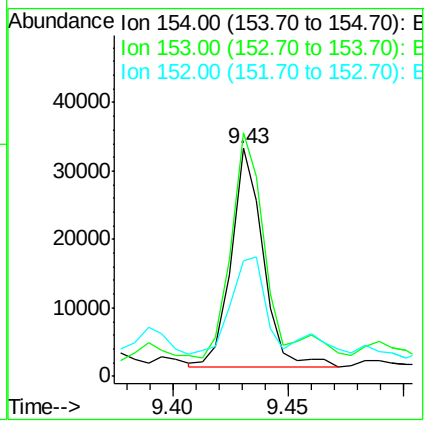


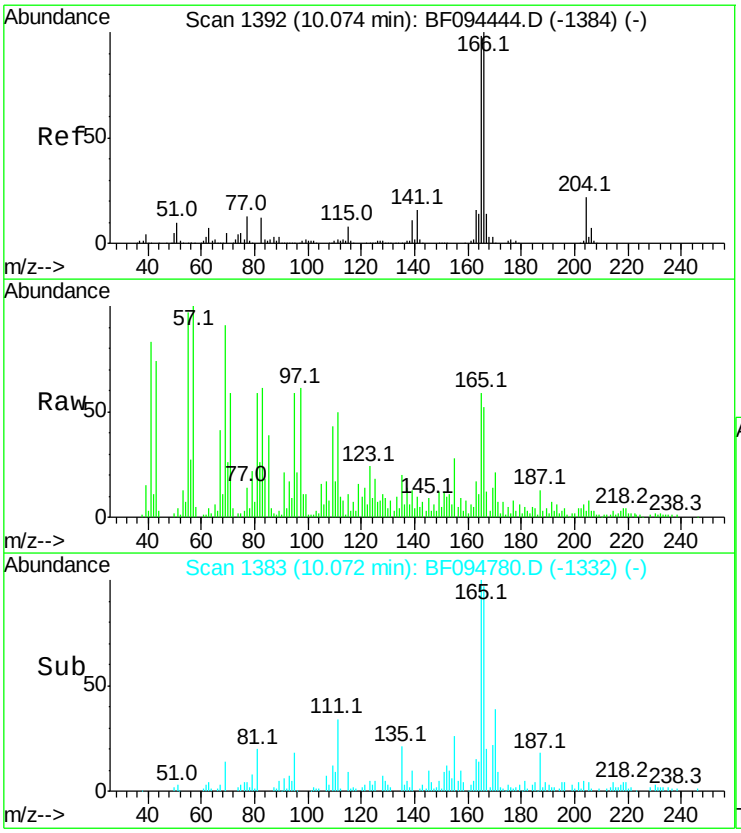
#51
Acenaphthene
Concen: 3.61 ng
RT: 9.43 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:154 Resp: 30865

Ion	Ratio	Lower	Upper
154	100		
153	106.8	90.5	135.7
152	50.6	43.6	65.4

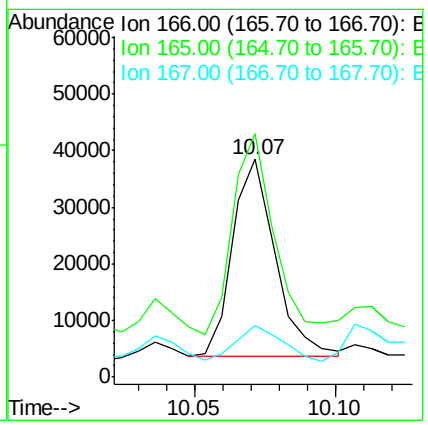


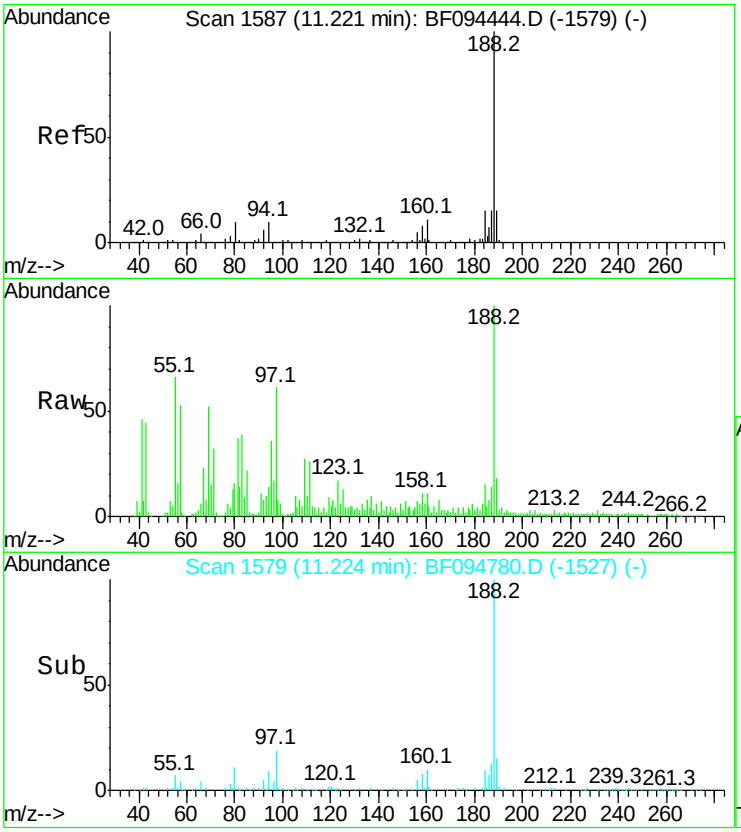


#57
Fluorene
Concen: 3.80 ng
RT: 10.07 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:166 Resp: 36813

Ion	Ratio	Lower	Upper
166	100		
165	111.9	78.8	118.2
167	23.9	10.6	16.0#



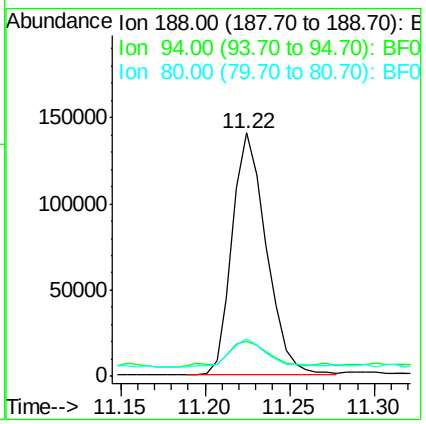


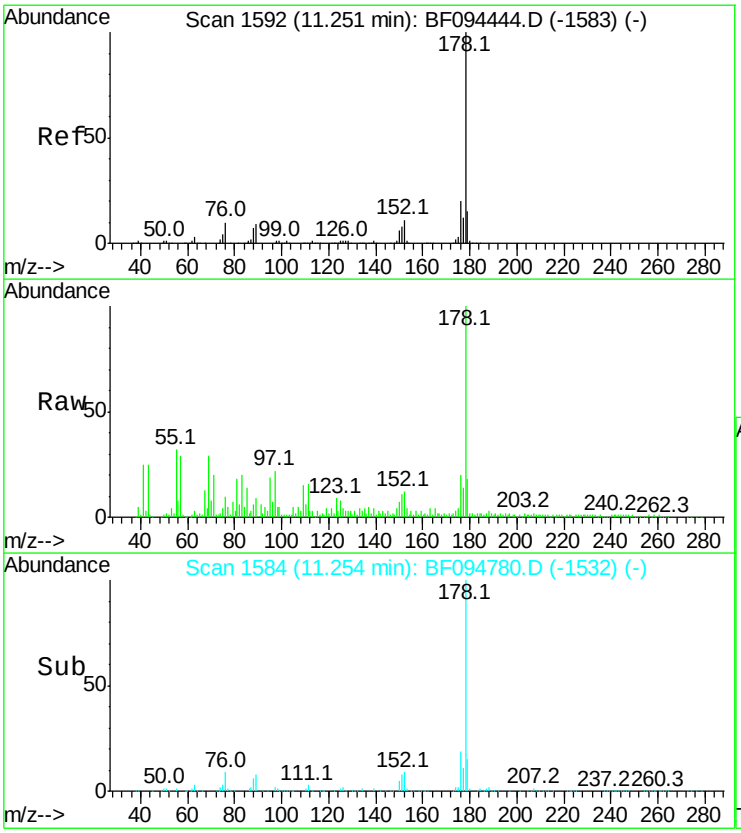
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:188 Resp: 198531

Ion	Ratio	Lower	Upper
188	100		
94	14.4	9.4	14.2#
80	15.6	10.2	15.2#

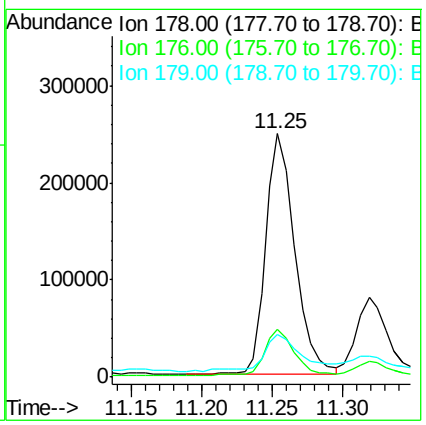


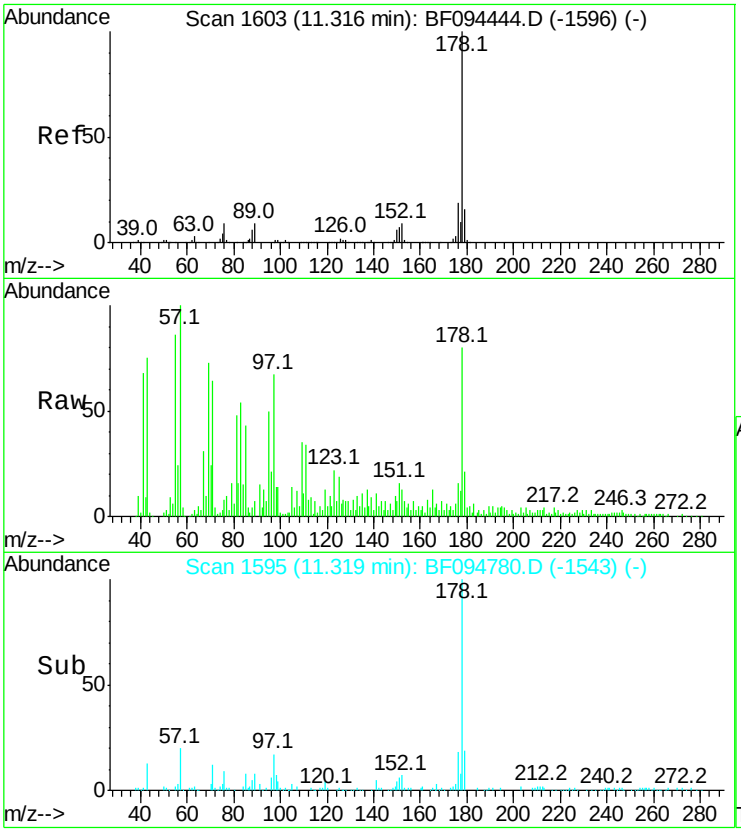


#70
Phenanthrene
Concen: 32.02 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:178 Resp: 357997

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	17.7	12.6	19.0



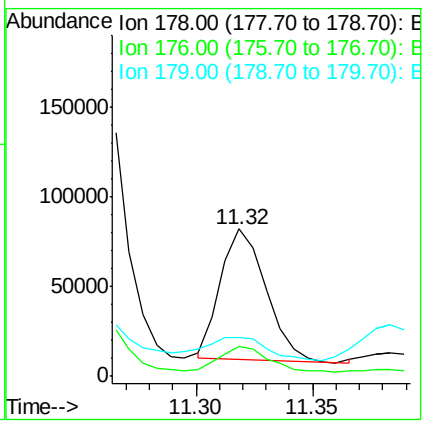


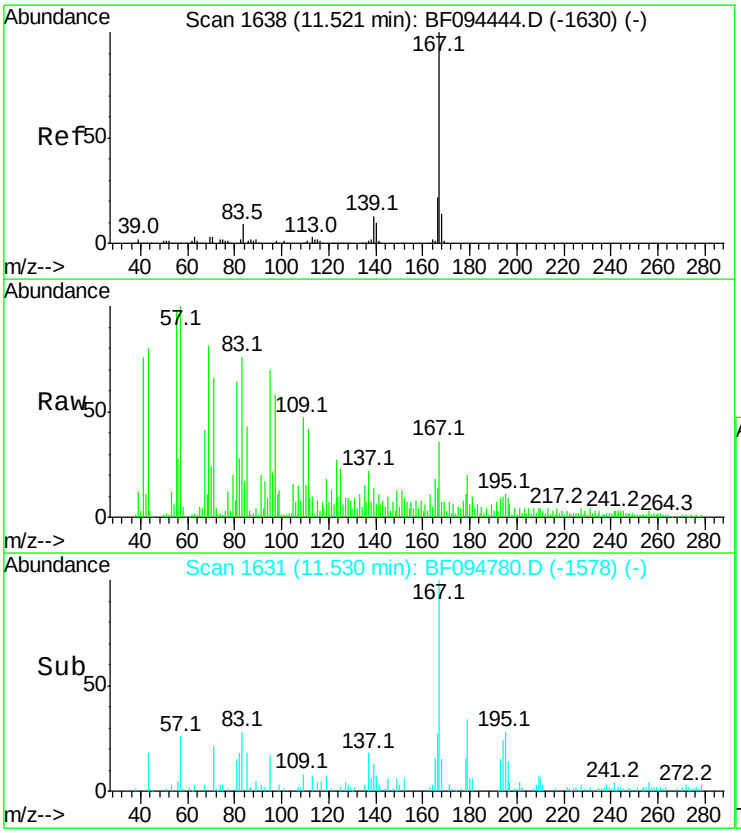
#71
Anthracene
Concen: 8.52 ng m
RT: 11.32 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:178 Resp: 98533

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	26.8	12.7	19.1#

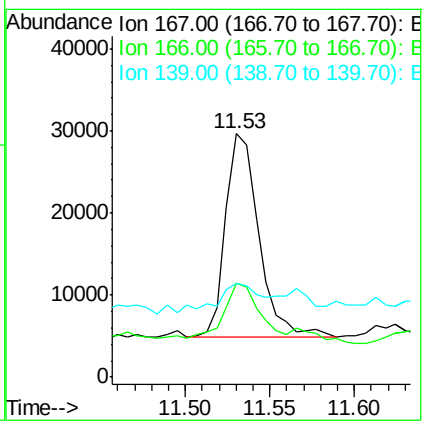


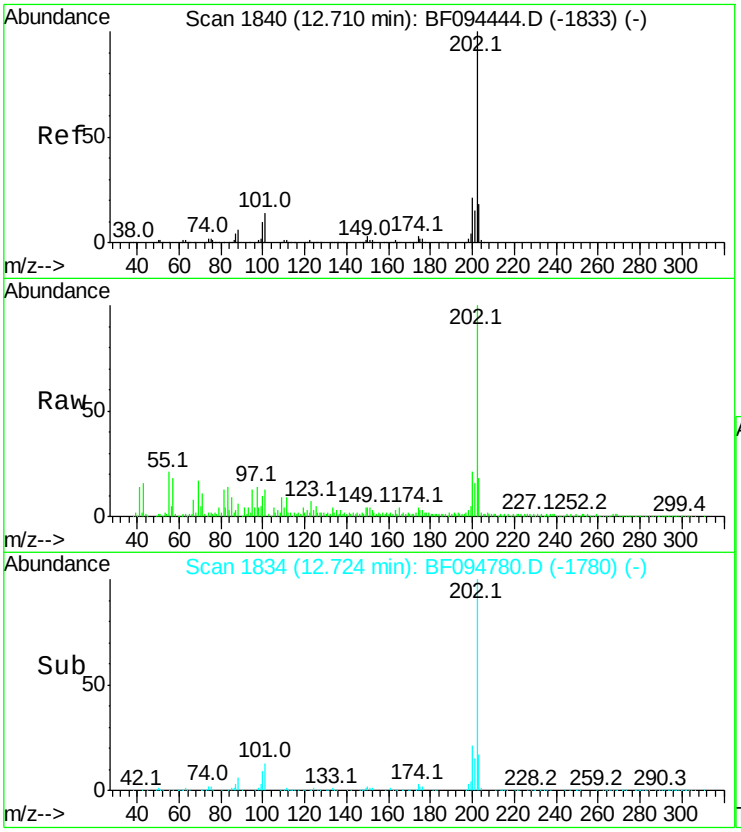


#72
Carbazole
Concen: 3.17 ng
RT: 11.53 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:167 Resp: 34372

Ion	Ratio	Lower	Upper
167	100		
166	38.3	18.1	27.1#
139	38.6	11.7	17.5#



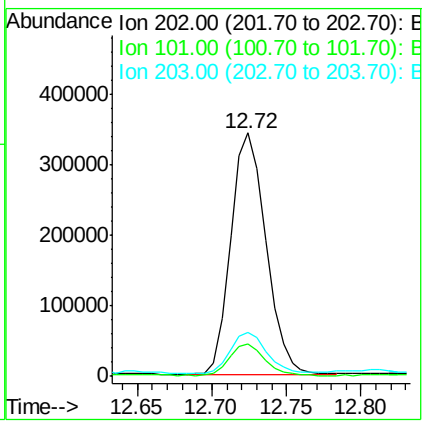


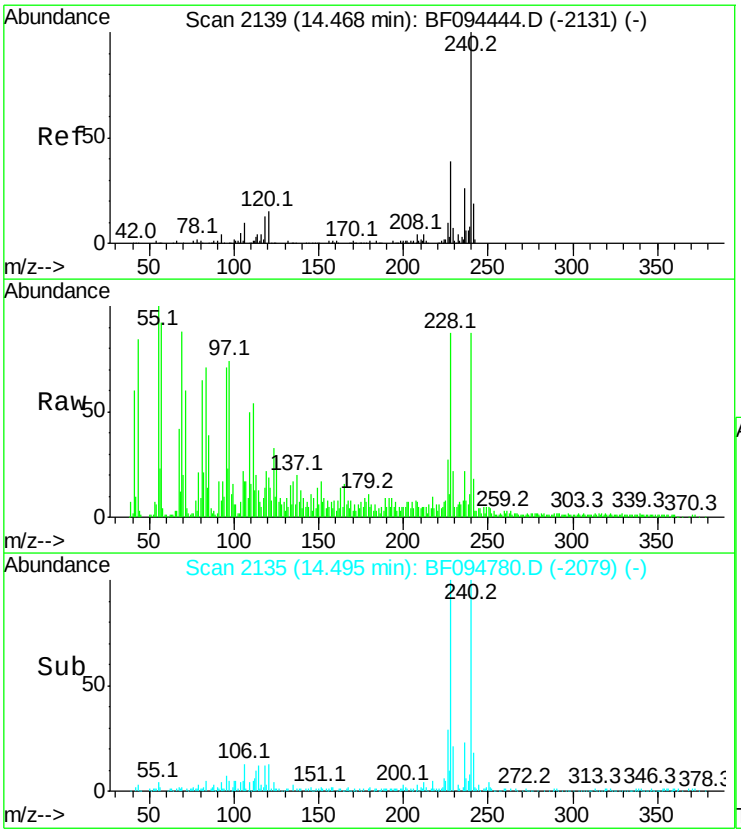
#74
Fluoranthene
Concen: 48.66 ng
RT: 12.72 min Scan# 1834
Delta R.T. 0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:202 Resp: 563853

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	18.3	0.0	38.1

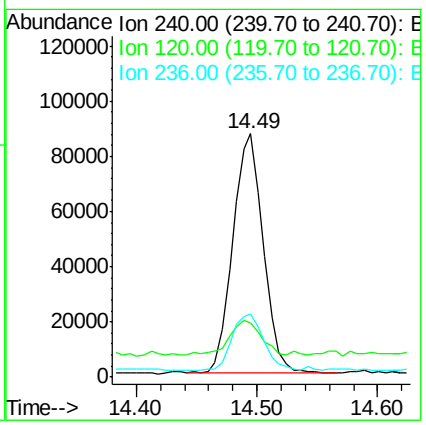


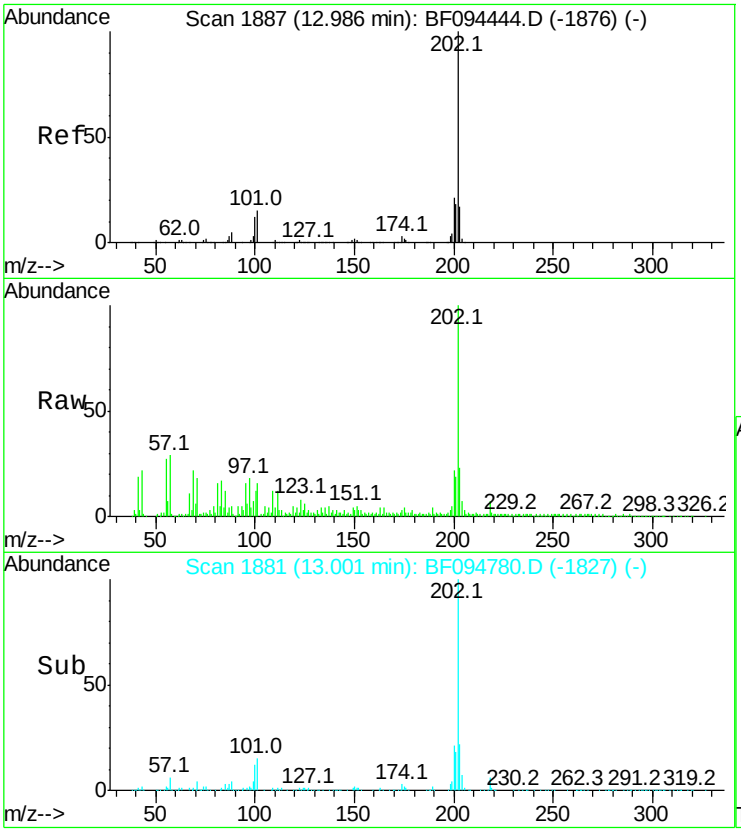


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.49 min Scan# 2135
Delta R.T. 0.03 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:240 Resp: 152697

Ion	Ratio	Lower	Upper
240	100		
120	22.5	5.8	8.8#
236	26.0	20.5	30.7



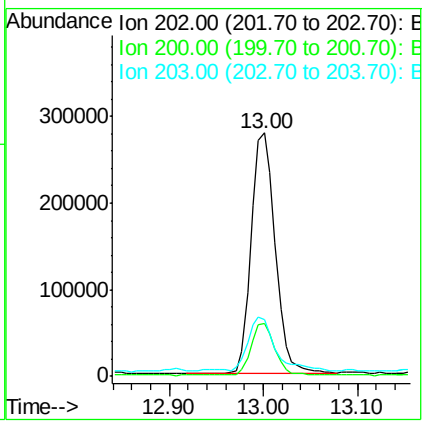


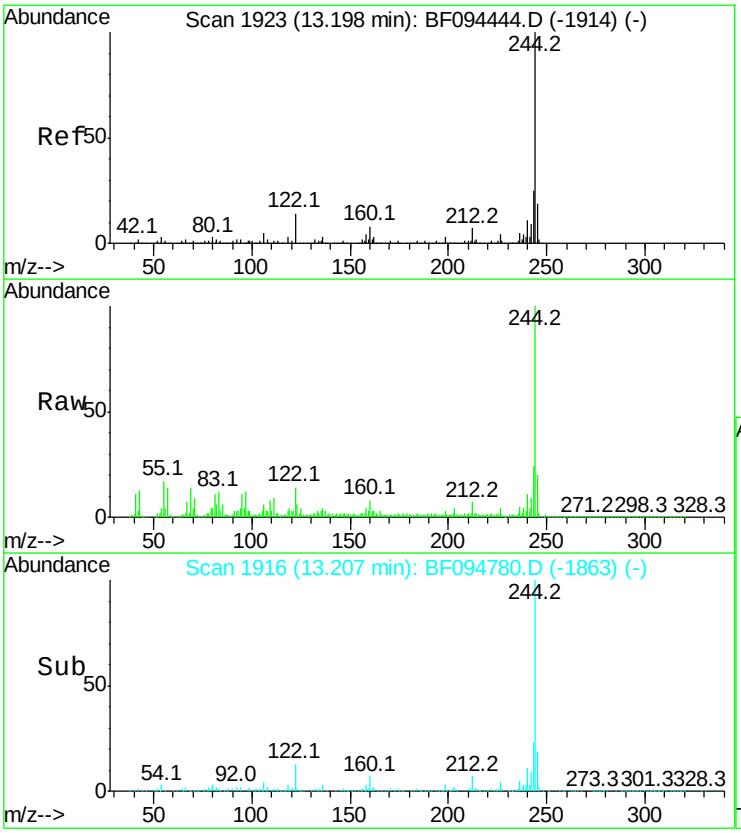
#77
Pyrene
Concen: 46.73 ng
RT: 13.00 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:202 Resp: 498519

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	23.4	14.4	21.6#

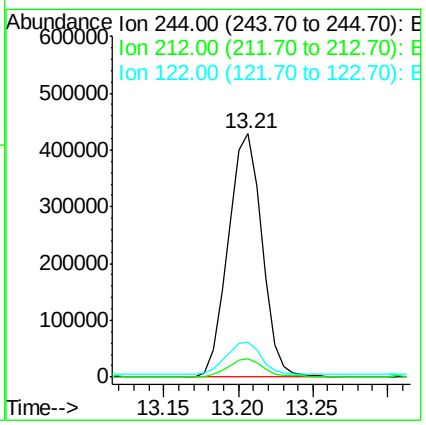


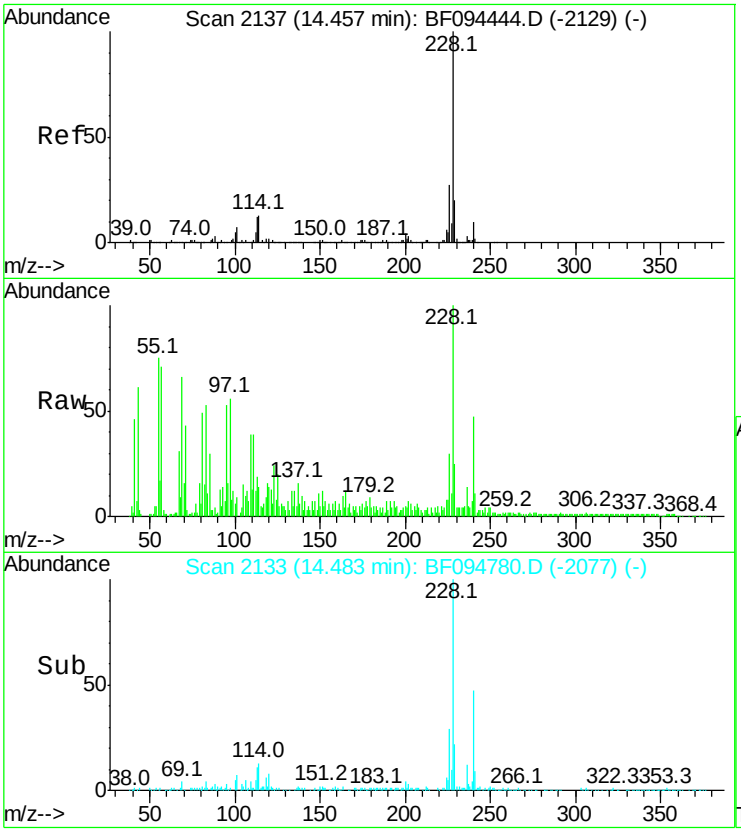


#78
Terphenyl-d14
Concen: 118.34 ng
RT: 13.21 min Scan# 1916
Delta R.T. 0.01 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:244 Resp: 676064

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.3	10.3	15.5



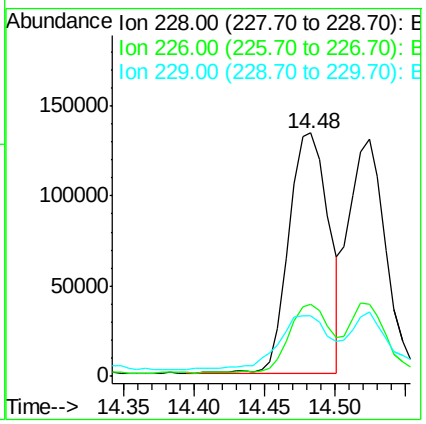


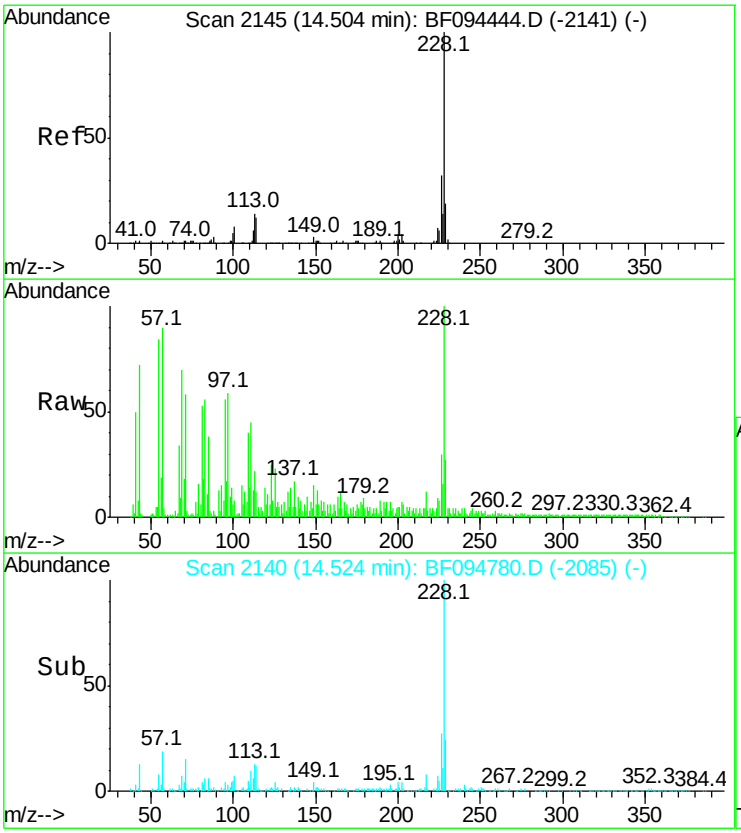
#80
Benzo(a)anthracene
Concen: 29.64 ng
RT: 14.48 min Scan# 2133
Delta R.T. 0.03 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:228 Resp: 263064

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	24.7	16.3	24.5#

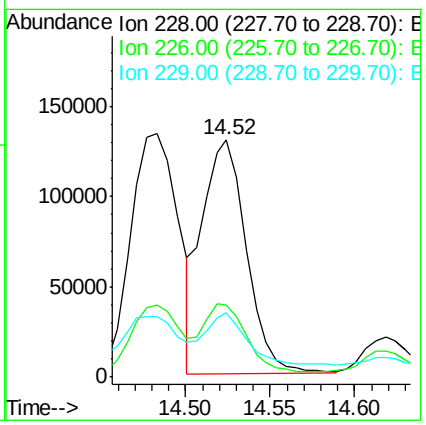


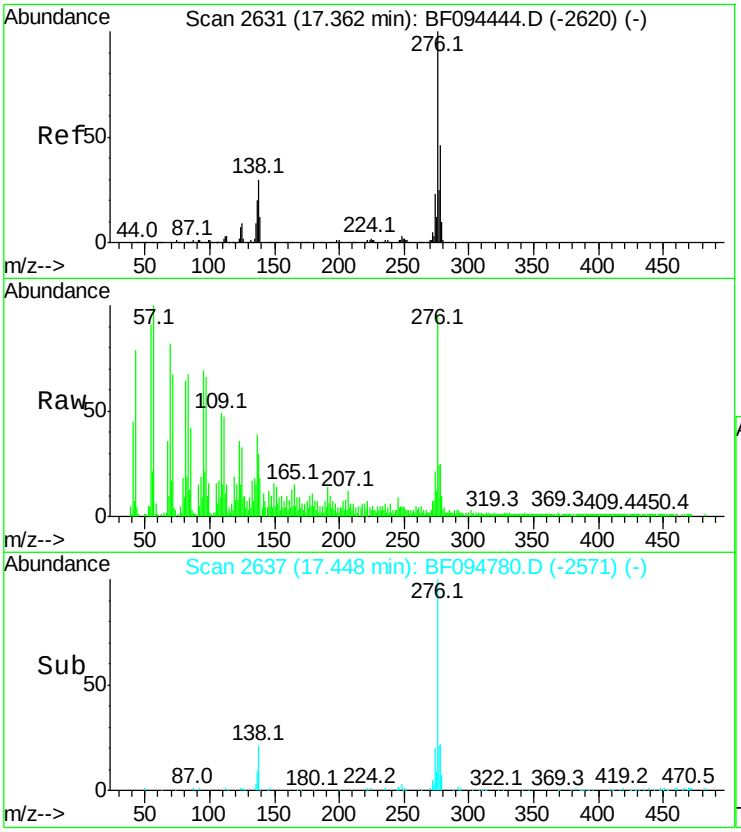


#82
Chrysene
Concen: 29.06 ng
RT: 14.52 min Scan# 2140
Delta R.T. 0.02 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:228 Resp: 235721

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	27.0	15.8	23.6#



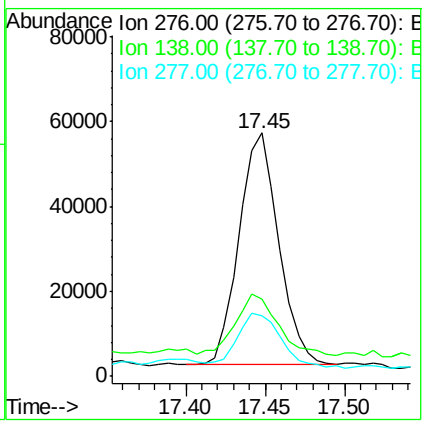


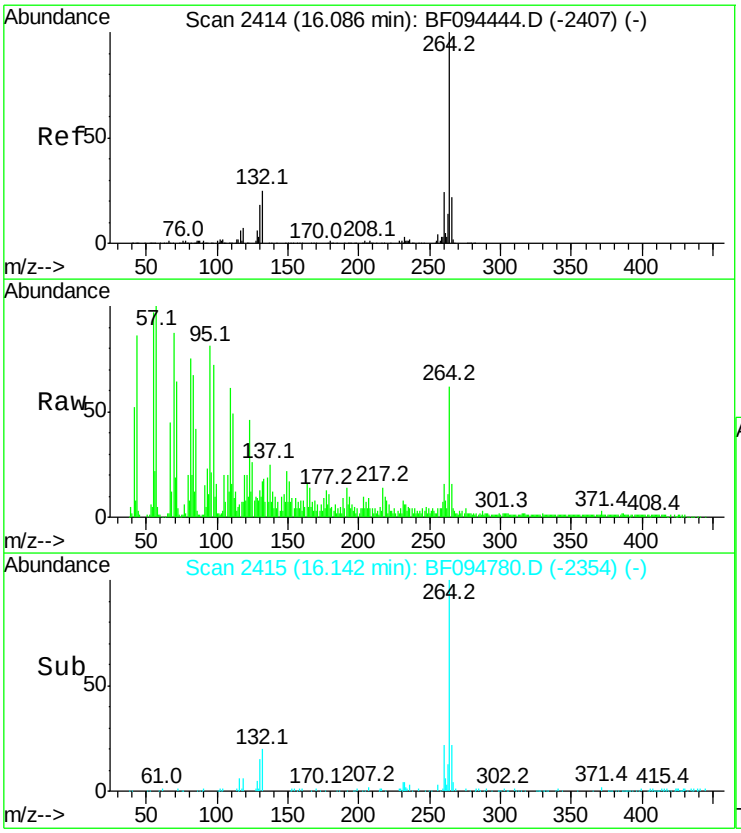
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.25 ng
RT: 17.45 min Scan# 2637
Delta R.T. 0.09 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:276 Resp: 94549

Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	26.5	20.2	30.4

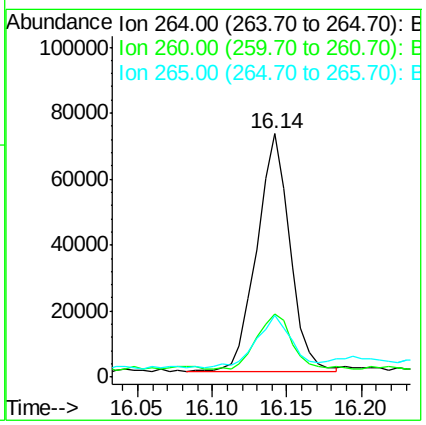


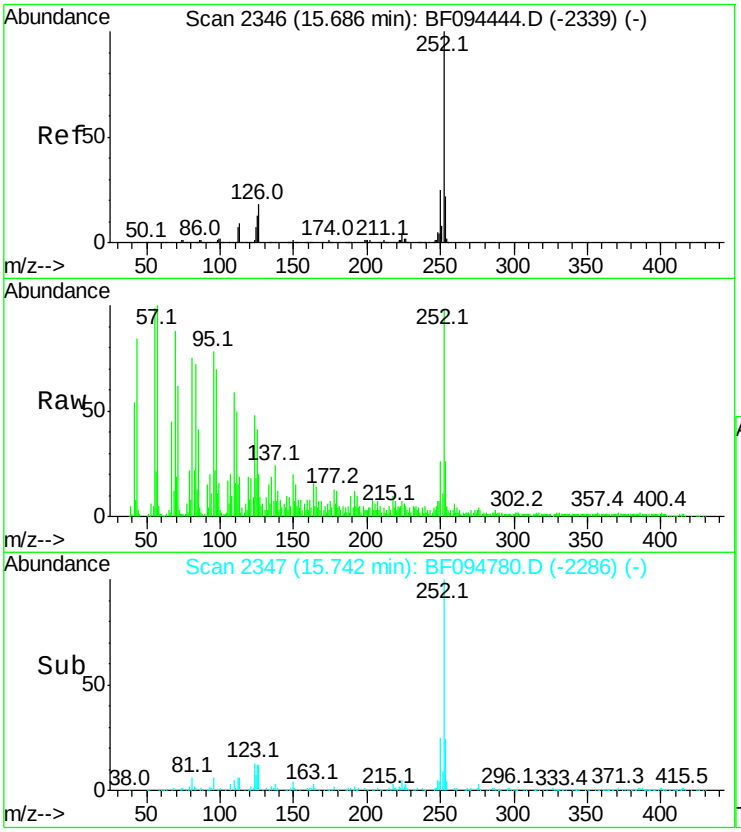


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.14 min Scan# 2415
Delta R.T. 0.06 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:264 Resp: 110201

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.5	29.3
265	25.2	17.2	25.8



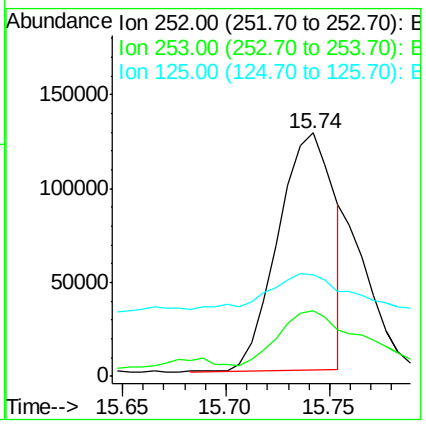


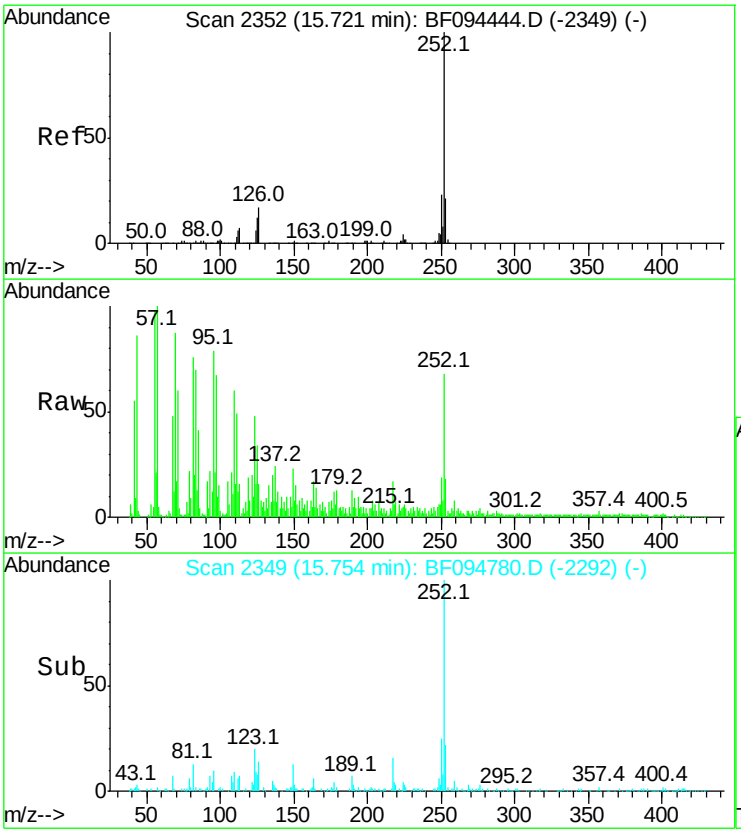
#87
Benzo(b)fluoranthene
Concen: 34.87 ng m
RT: 15.74 min Scan# 2347
Delta R.T. 0.06 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:252 Resp: 235097

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.1	27.1
125	41.6	9.8	14.8#

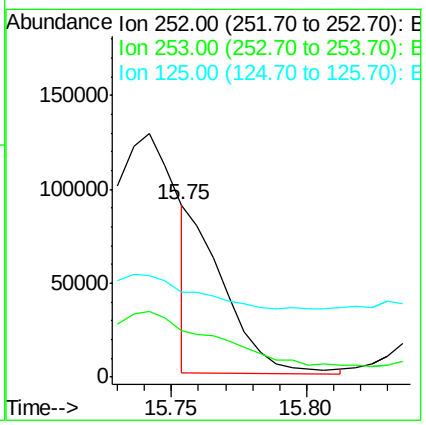


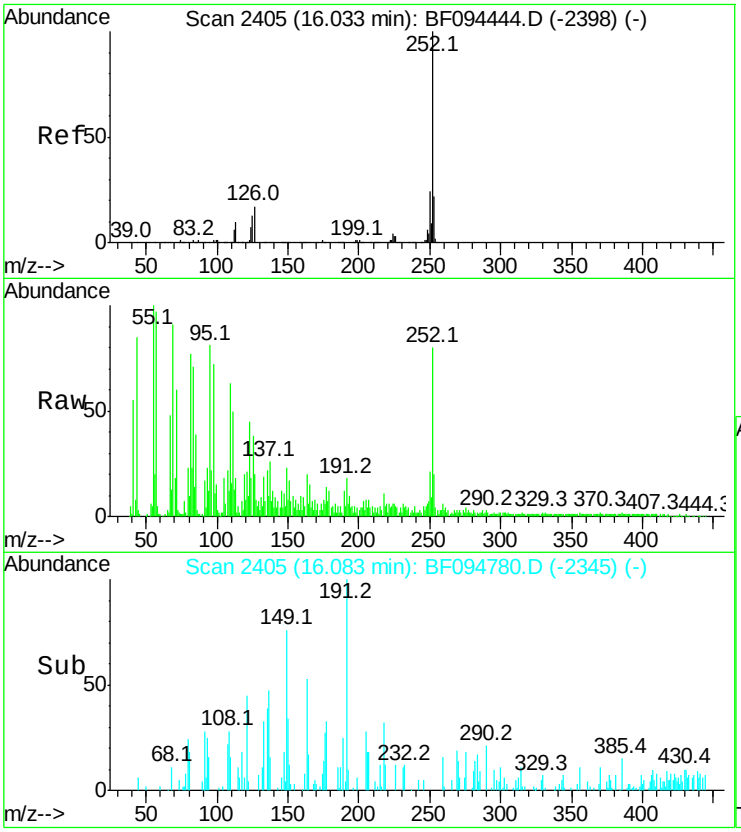


#88
Benzo(k)fluoranthene
Concen: 12.63 ng m
RT: 15.75 min Scan# 2349
Delta R.T. 0.03 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:252 Resp: 80563

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	49.4	13.1	19.7#



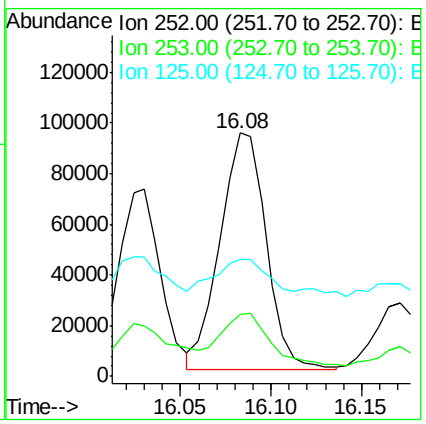


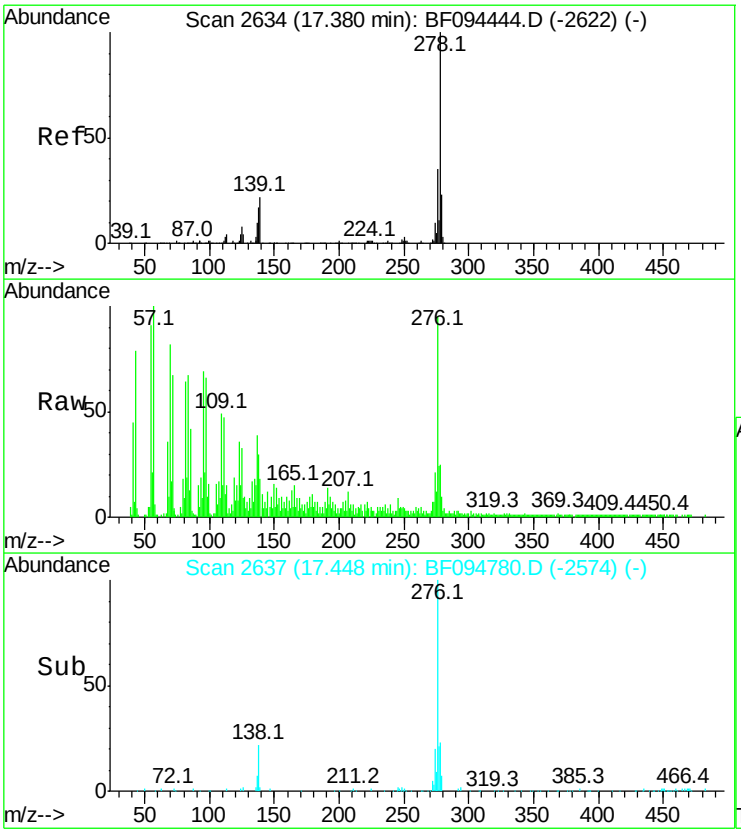
#89
Benzo(a)pyrene
Concen: 26.53 ng
RT: 16.08 min Scan# 2405
Delta R.T. 0.05 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:252 Resp: 166357

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	47.9	11.0	16.4#

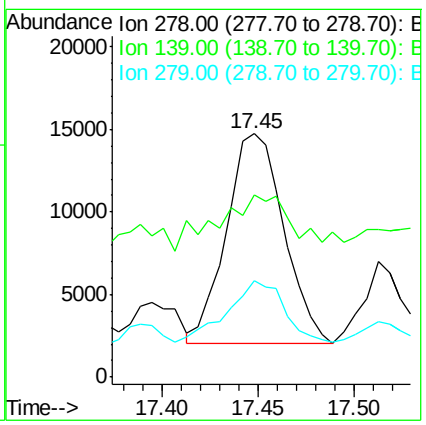


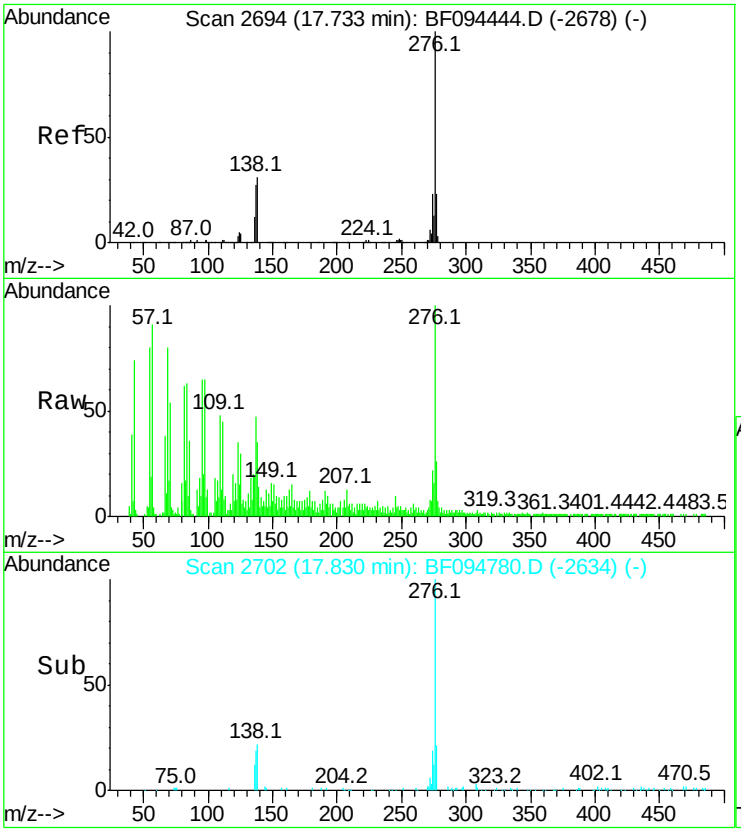


#90
Dibenzo(a,h)anthracene
Concen: 5.07 ng m
RT: 17.45 min Scan# 2637
Delta R.T. 0.07 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Tgt Ion:278 Resp: 26404

Ion	Ratio	Lower	Upper
278	100		
139	75.0	16.6	24.8#
279	39.4	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 20.29 ng
RT: 17.83 min Scan# 2702
Delta R.T. 0.10 min
Lab File: BF094780.D
Acq: 2 May 2017 5:57

Instrument :
BNA_F
ClientSampleId :
AST-N(2.5-3)

Tgt Ion:276 Resp: 107591

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	34.8	25.4	38.0