Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF051517\
Data File : BF095152.D
Acq On : 16 May 2017 10:55
Operator : SJ/MA
Sample : I3140-15DL 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 16 16:02:57 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	7.78	152	66048	20.00	ng		0.05
21) Naphthalene-d8	9.80	136	285288	20.00	ng		0.04
38) Acenaphthene-d10	12.62	164	141195	20.00	ng		0.04
63) Phenanthrene-d10	15.03	188	235016	20.00	ng		0.05
75) Chrysene-d12	18.70	240	156369	20.00	ng		0.05
86) Perylene-d12	20.38	264	128587	20.00	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.84	112	2921	0.74	ng		0.16
7) Phenol-d6	7.41	99	18115	3.81	ng		0.14
23) Nitrobenzene-d5	8.72	82	12051	2.66	ng		0.08
41) 2,4,6-Tribromophenol	13.94	330	4972	4.30	ng		0.06
44) 2-Fluorobiphenyl	11.57	172	40492	4.13	ng		0.04
78) Terphenyl-d14	17.35	244	25754	3.63	ng		0.04
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	12.62	165	14977	6.33	ng	#	31
51) Acenaphthene	12.68	154	54769	6.10	ng		96
54) Dibenzofuran	12.98	168	50713	4.08	ng	#	97
55) 4-Nitrophenol	12.98	139	18355	12.04	ng	#	27
57) Fluorene	13.52	166	86532	8.01	ng		98
70) Phenanthrene	15.07	178	766586	56.77	ng		98
71) Anthracene	15.15	178	236942	17.18	ng		96
72) Carbazole	15.44	167	53895	4.29	ng		96
74) Fluoranthene	16.81	202	803548	58.01	ng		98
76) Benzidine	17.07	184	645	6.72	ng	#	62
77) Pyrene	17.11	202	626521	53.57	ng		96
80) Benzo(a)anthracene	18.69	228	228442	25.10	ng		98
82) Chrysene	18.73	228	199164	22.63	ng		98
83) Bis(2-ethylhexyl)phthalate	18.75	149	25304	3.26	ng		97
85) Indeno(1,2,3-cd)pyrene	21.71	276	80234	11.23	ng		93
87) Benzo(b)fluoranthene	19.97	252	276728	34.83	ng		99
88) Benzo(k)fluoranthene	19.97	252	276728	36.11	ng		97
89) Benzo(a)pyrene	20.32	252	152146	20.75	ng		96
91) Benzo(g,h,i)perylene	22.10	276	80417	13.53	ng		98

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

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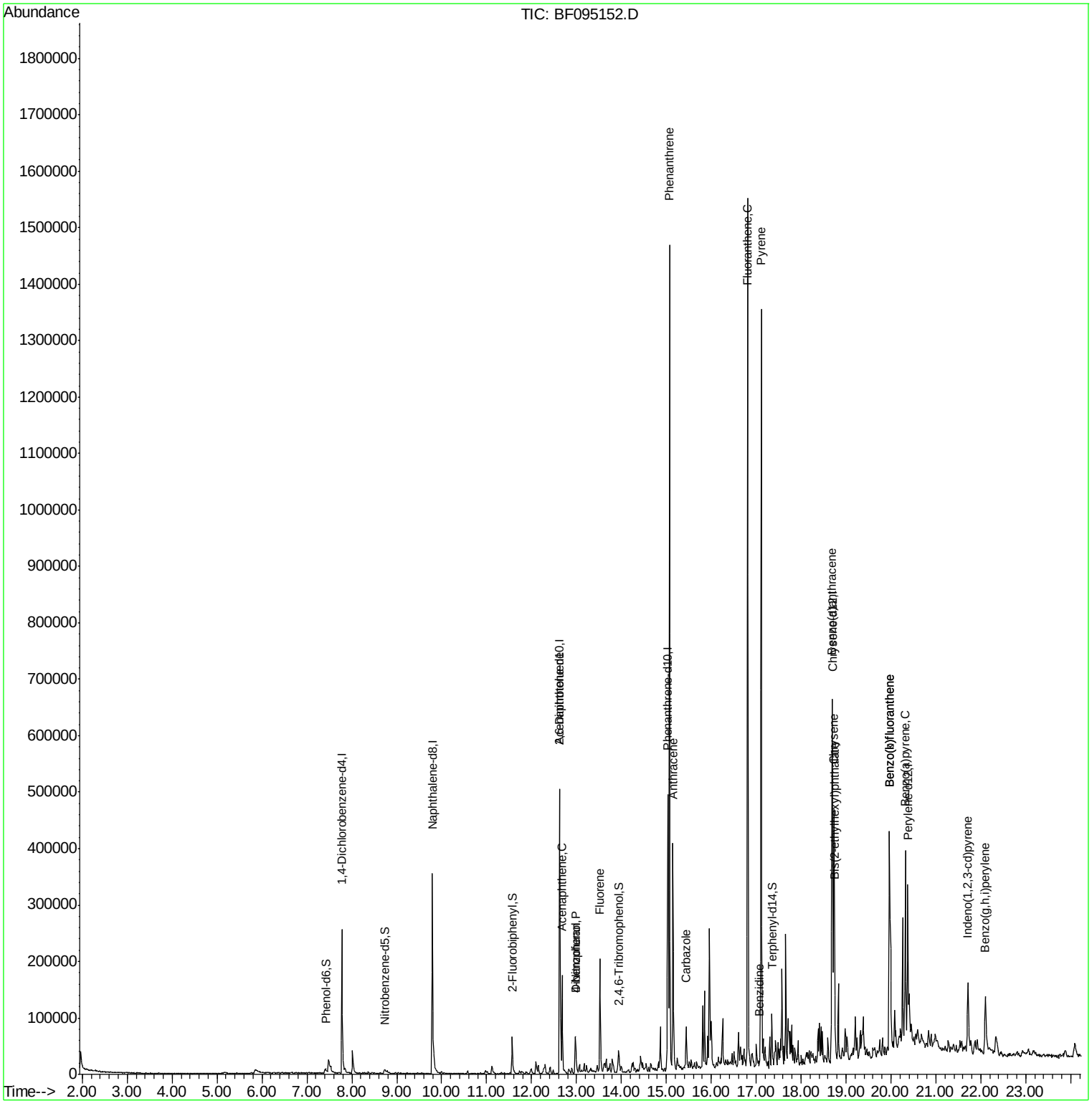
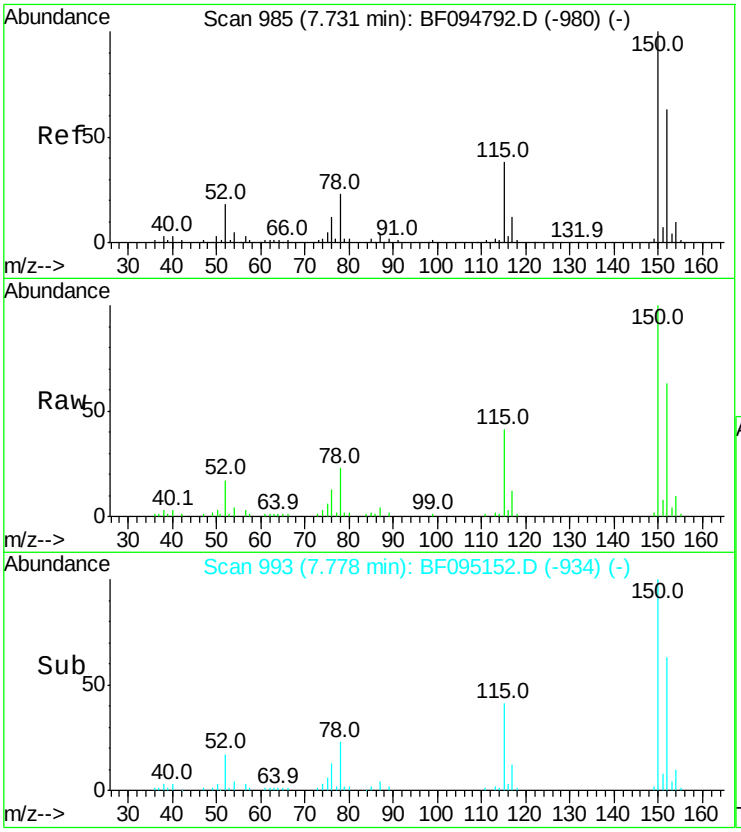


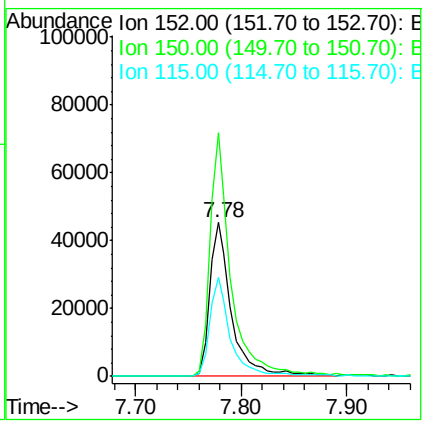


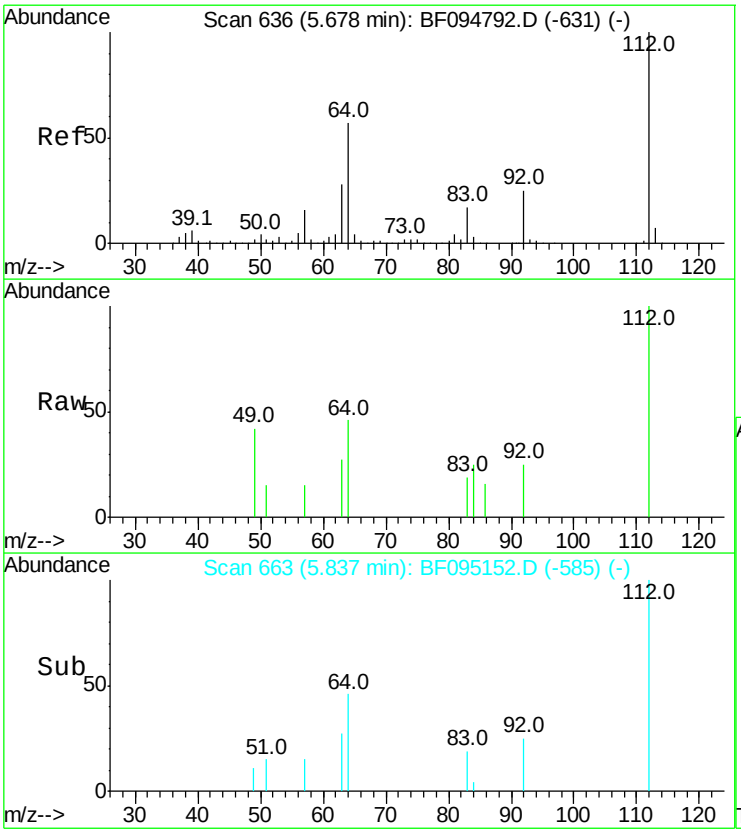
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 66048

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	64.4	52.2	78.2

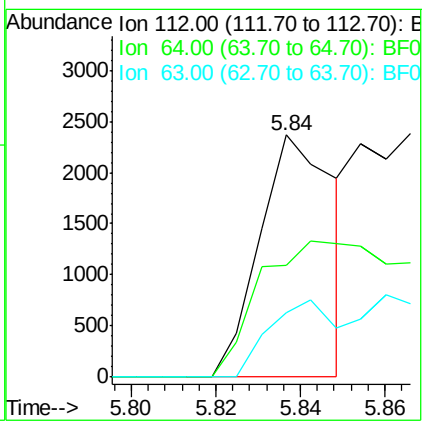


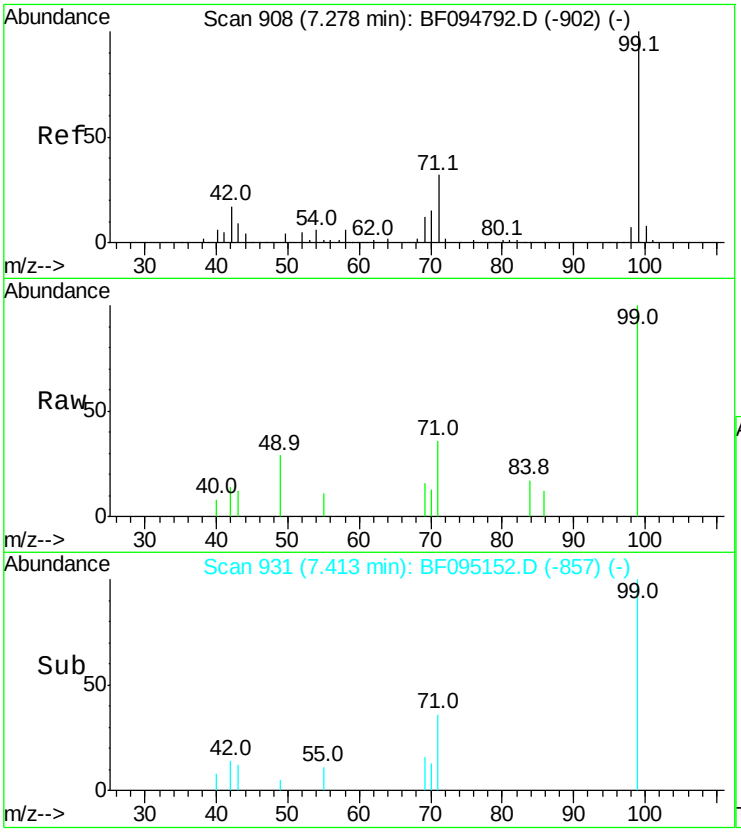


#5
2-Fluorophenol
Concen: 0.74 ng
RT: 5.84 min Scan# 663
Delta R.T. 0.16 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:112 Resp: 2921

Ion	Ratio	Lower	Upper
112	100		
64	46.2	46.0	69.0
63	26.7	23.4	35.0



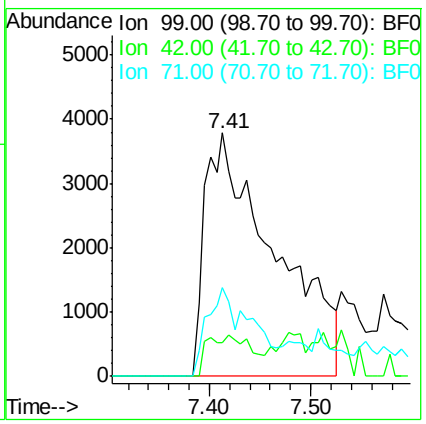


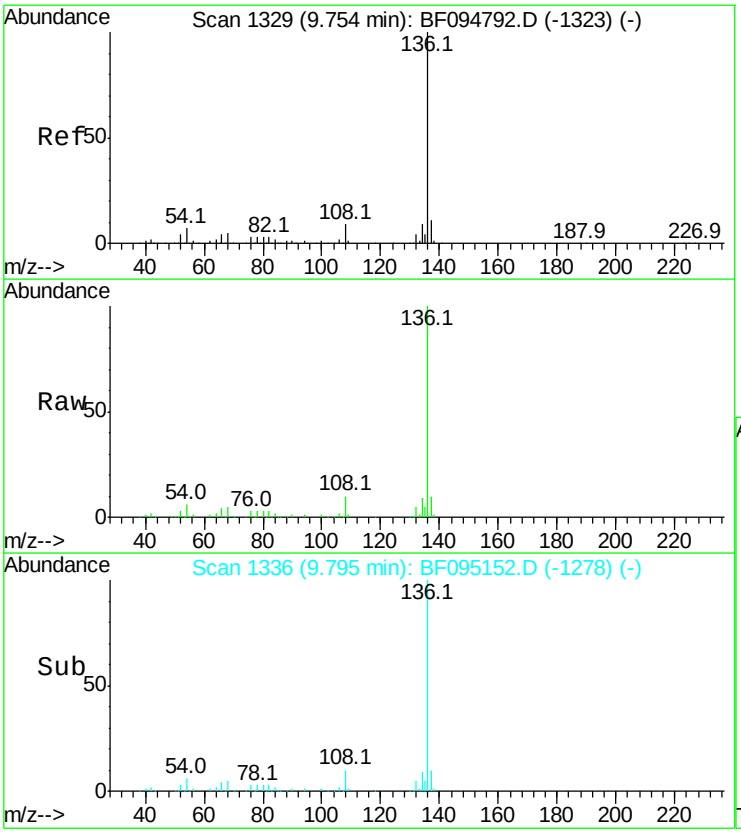
#7
Phenol-d6
Concen: 3.81 ng
RT: 7.41 min Scan# 931
Delta R.T. 0.14 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 18115

Ion	Ratio	Lower	Upper
99	100		
42	13.8	13.5	20.3
71	36.4	24.5	36.7

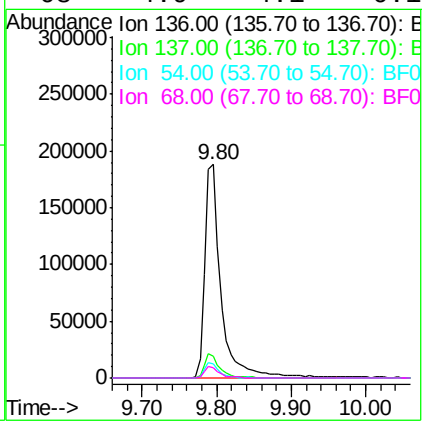


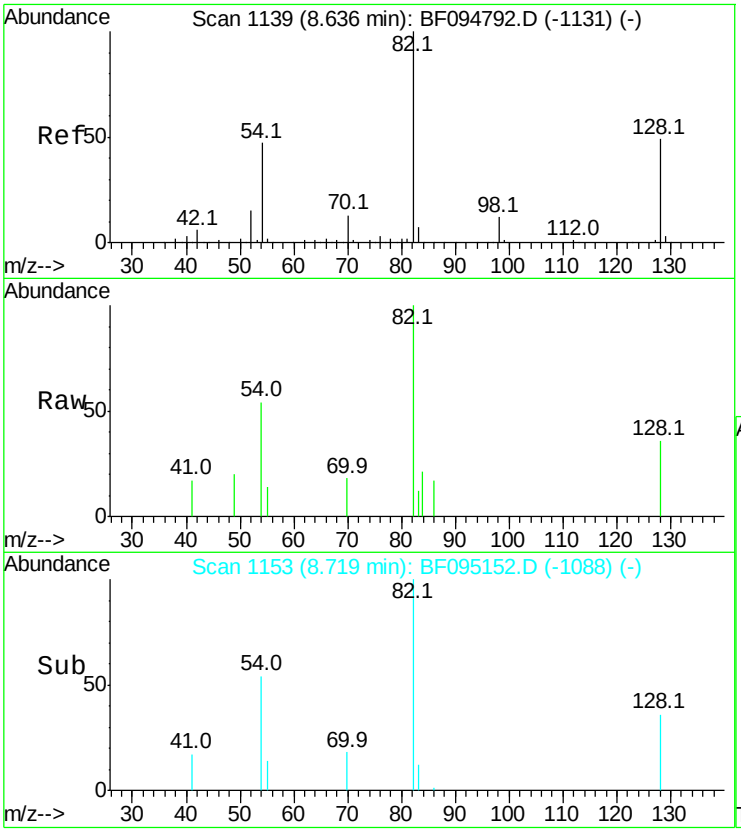


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:136 Resp: 285288

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	6.4	4.9	7.3
68	4.9	4.1	6.1



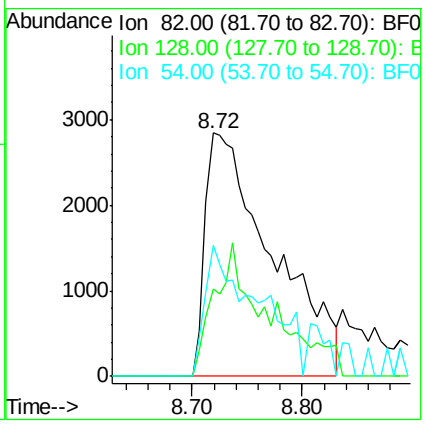


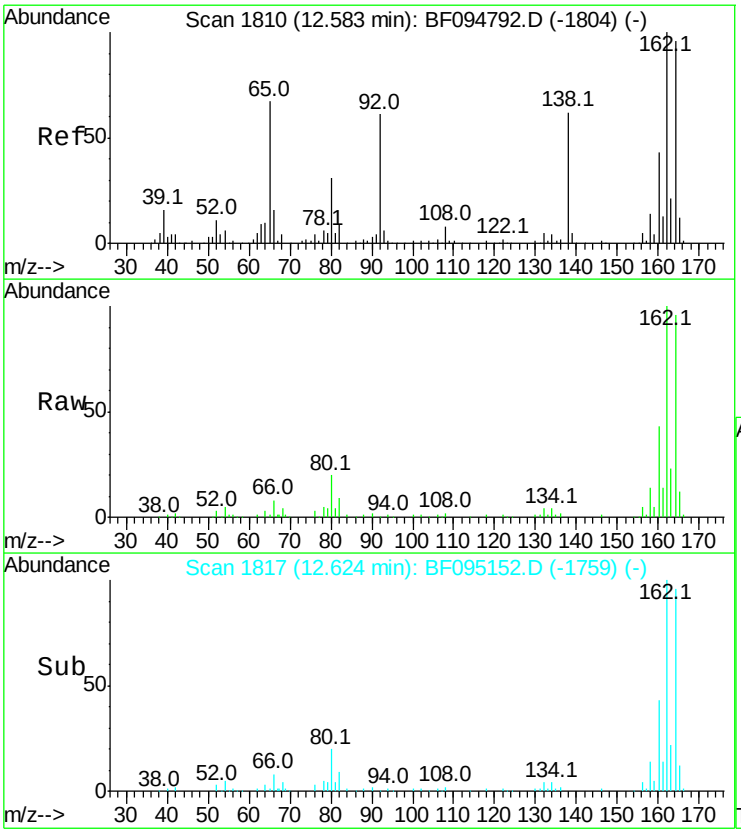
#23
Nitrobenzene-d5
Concen: 2.66 ng
RT: 8.72 min Scan# 1153
Delta R.T. 0.08 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 12051

Ion	Ratio	Lower	Upper
82	100		
128	36.0	34.0	51.0
54	53.9	42.2	63.2

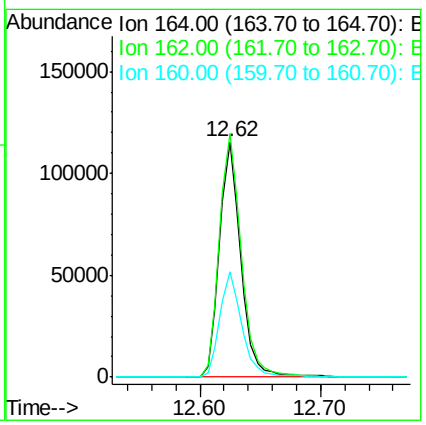


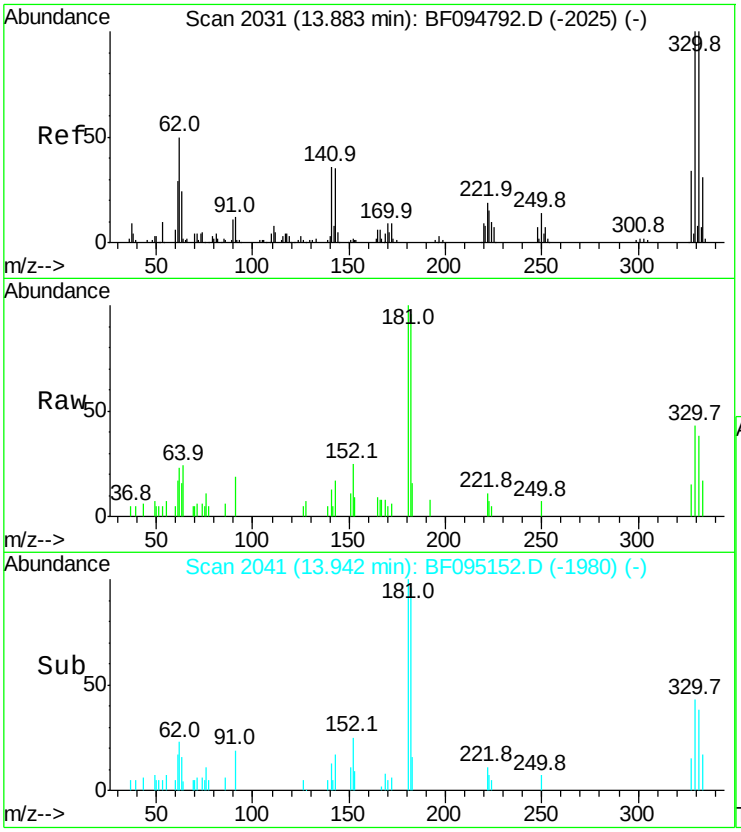


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:164 Resp: 141195

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	44.8	36.2	54.2



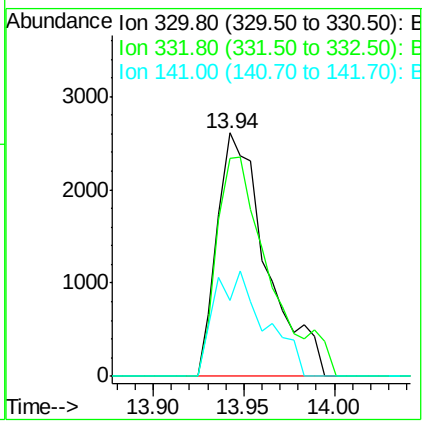


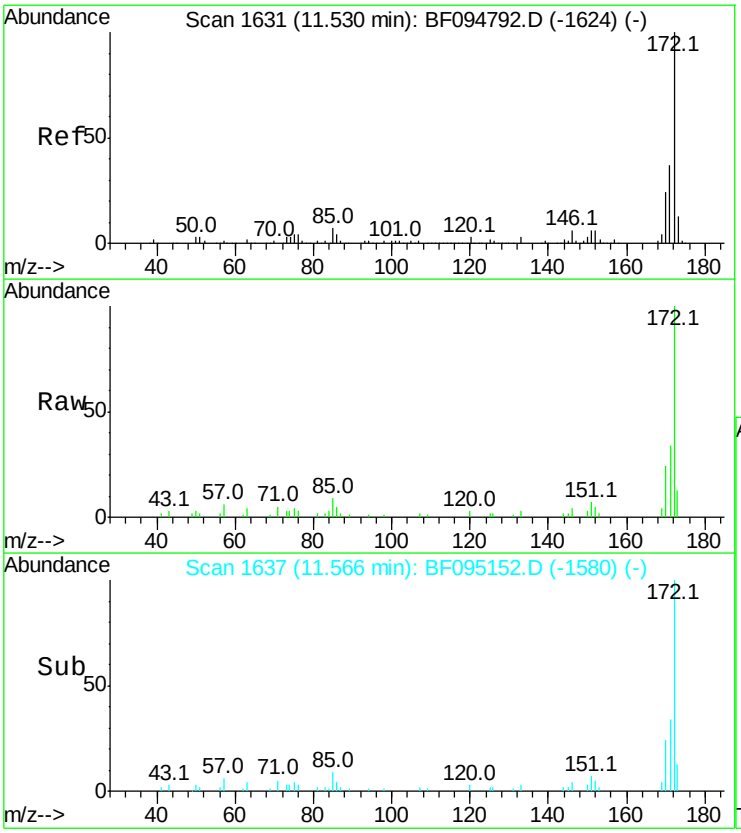
#41
2,4,6-Tribromophenol
Concen: 4.30 ng
RT: 13.94 min Scan# 2041
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 4972

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	44.0	31.4	47.2

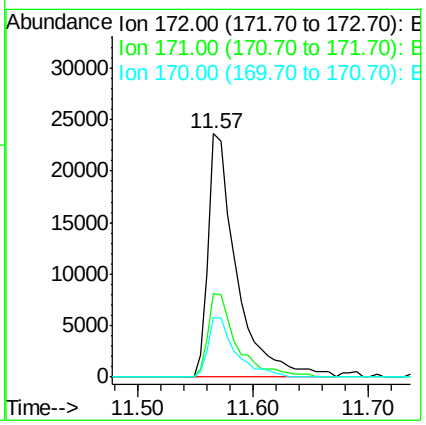


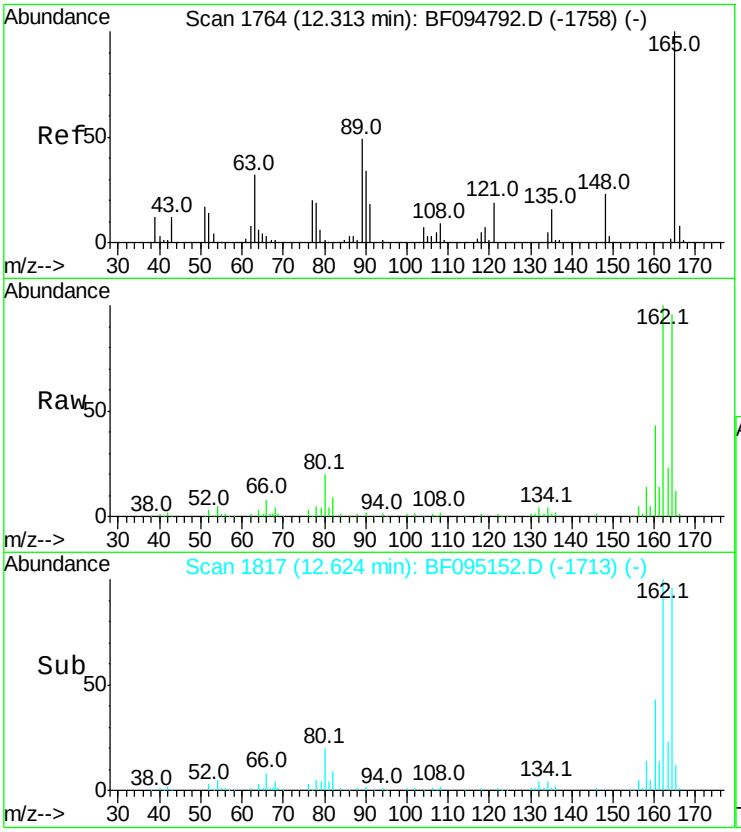


#44
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 11.57 min Scan# 1637
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:172 Resp: 40492

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	24.1	19.8	29.8



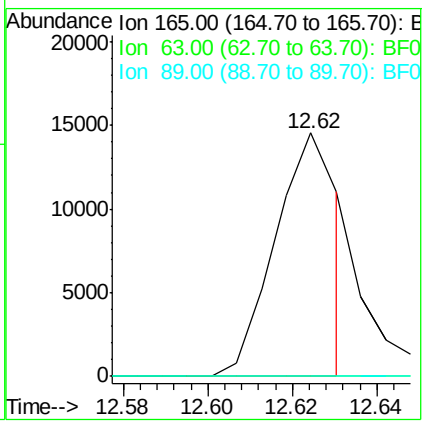


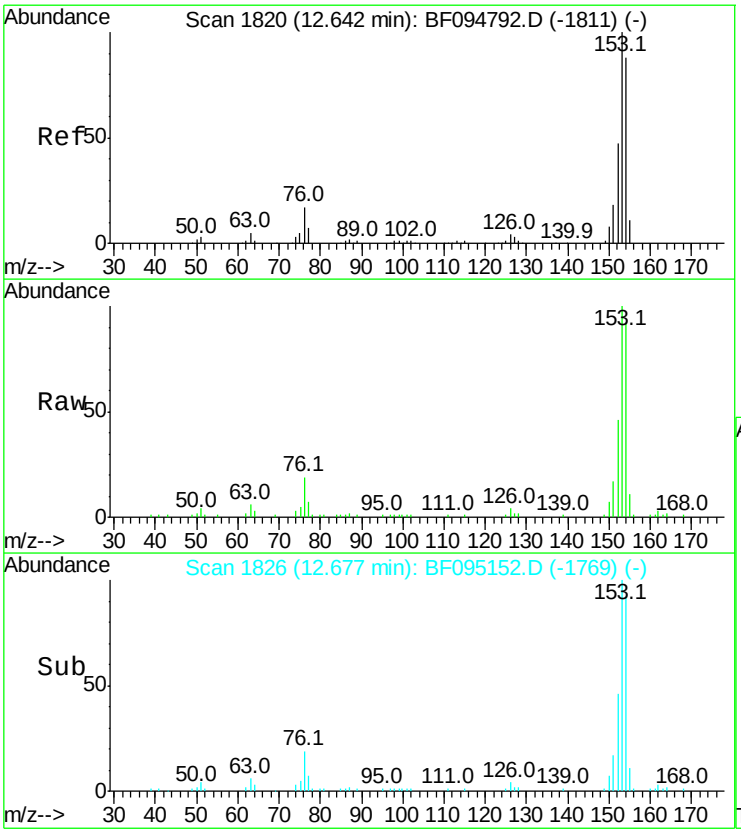
#50
2,6-Dinitrotoluene
Concen: 6.33 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.31 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 14977

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

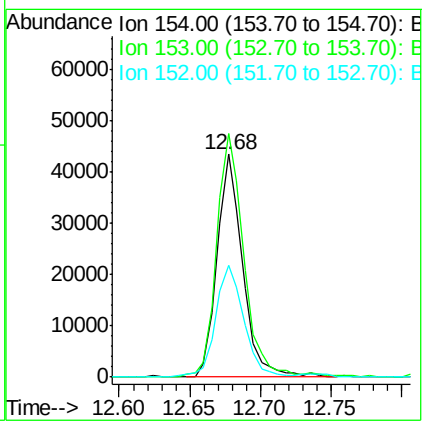


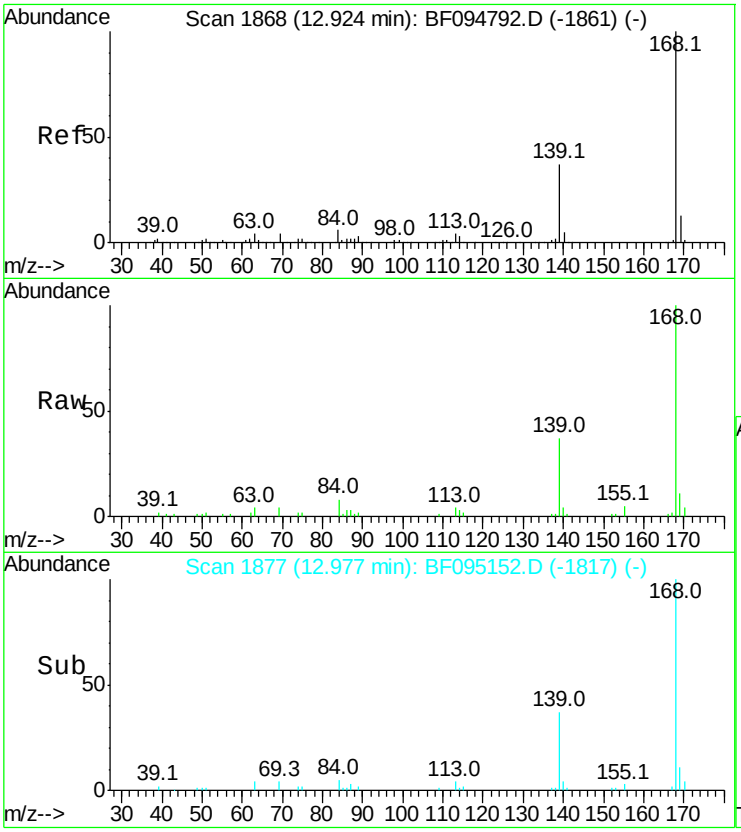


#51
Acenaphthene
Concen: 6.10 ng
RT: 12.68 min Scan# 1826
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:154 Resp: 54769

Ion	Ratio	Lower	Upper
154	100		
153	109.2	90.5	135.7
152	50.2	43.6	65.4



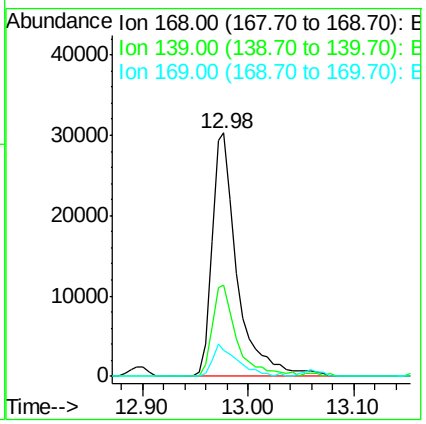


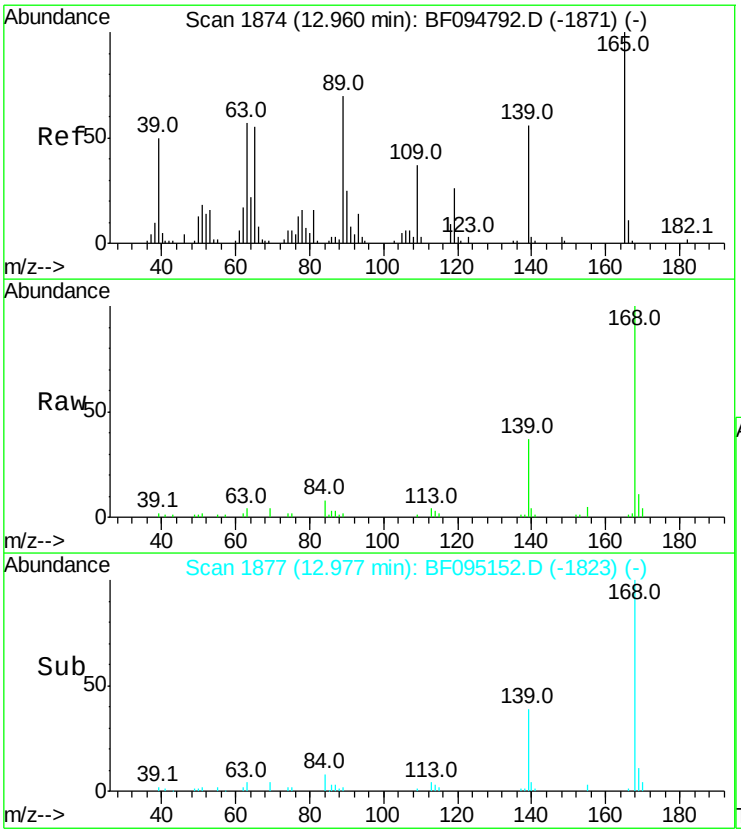
#54
Dibenzofuran
Concen: 4.08 ng
RT: 12.98 min Scan# 1877
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 50713

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	45.8
169	10.7	10.8	16.2#

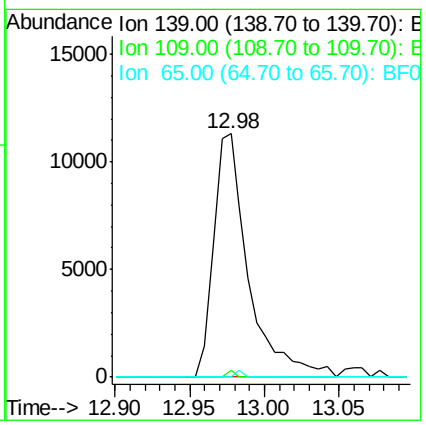


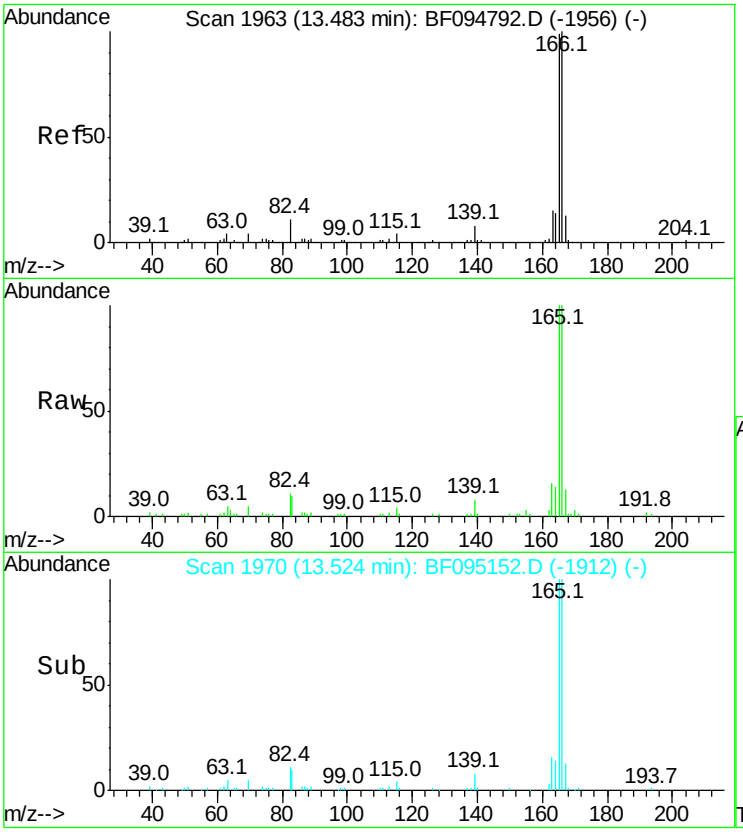


#55
4-Nitrophenol
Concen: 12.04 ng
RT: 12.98 min Scan# 1877
Delta R.T. 0.02 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:139 Resp: 18355

Ion	Ratio	Lower	Upper
139	100		
109	2.7	34.1	74.1#
65	0.0	31.4	71.4#



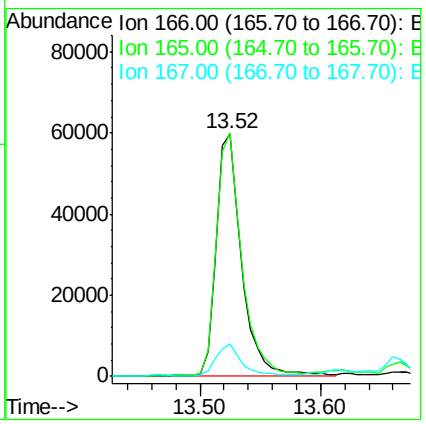


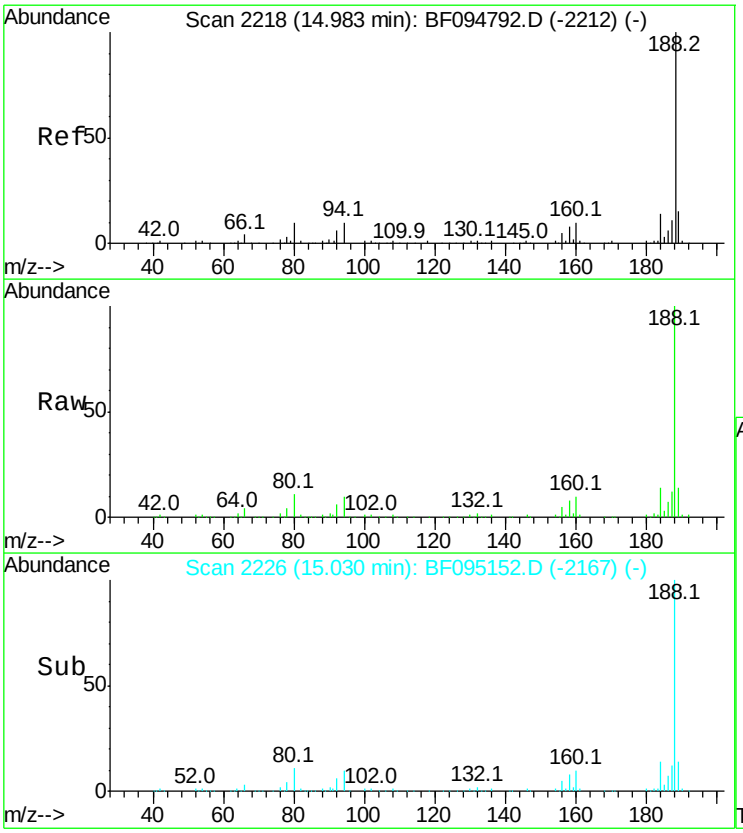
#57
Fluorene
Concen: 8.01 ng
RT: 13.52 min Scan# 1970
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 86532

Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	13.5	10.6	16.0

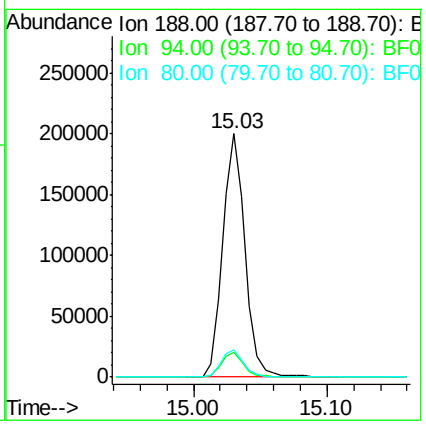


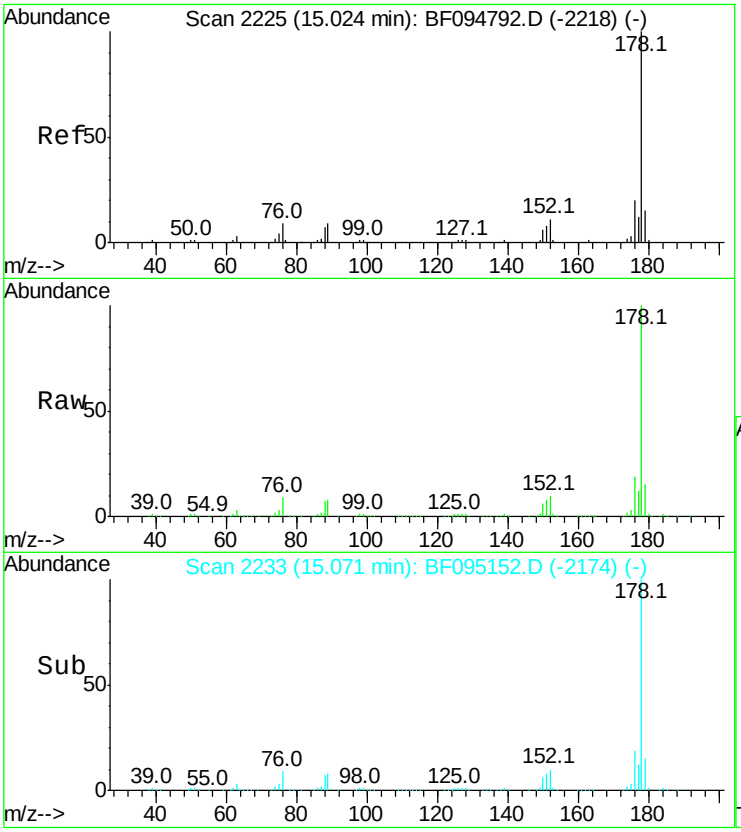


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:188 Resp: 235016

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.2	10.2	15.2



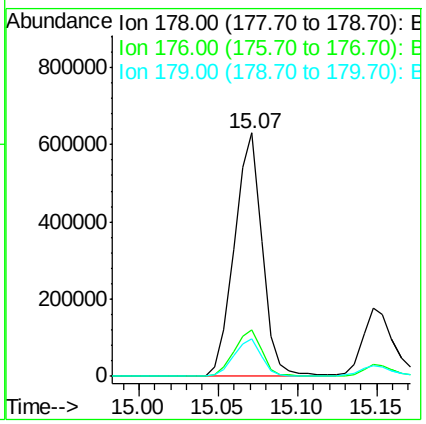


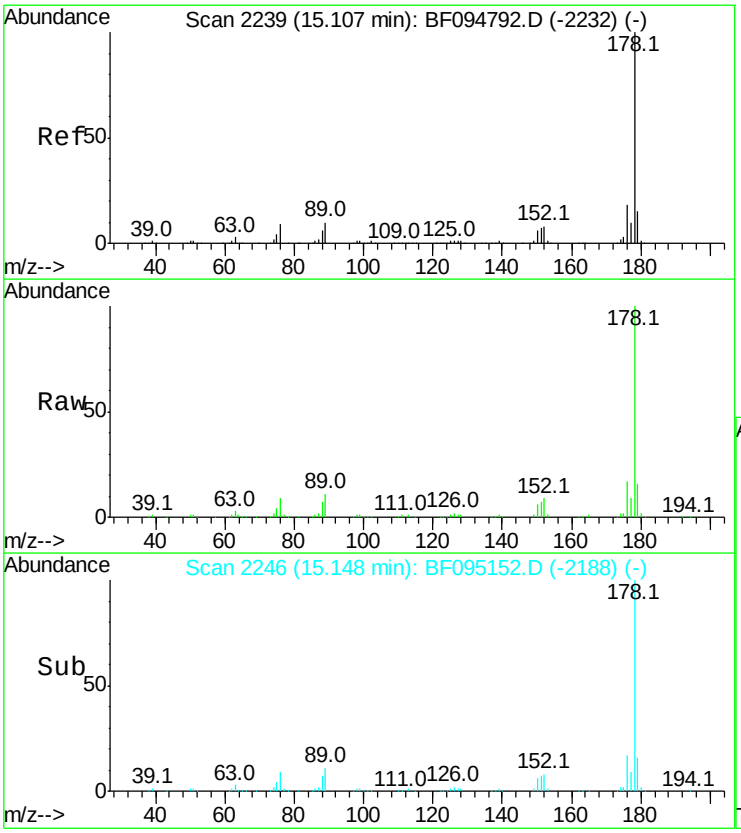
#70
Phenanthrene
Concen: 56.77 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 766586

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.2	12.6	19.0

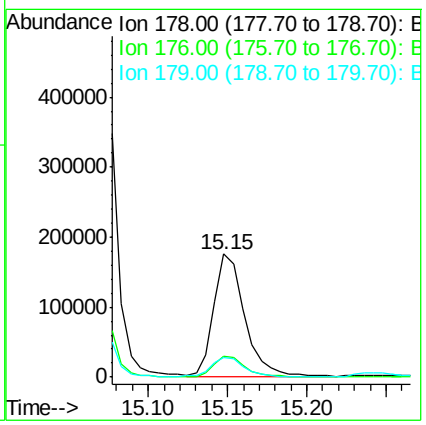


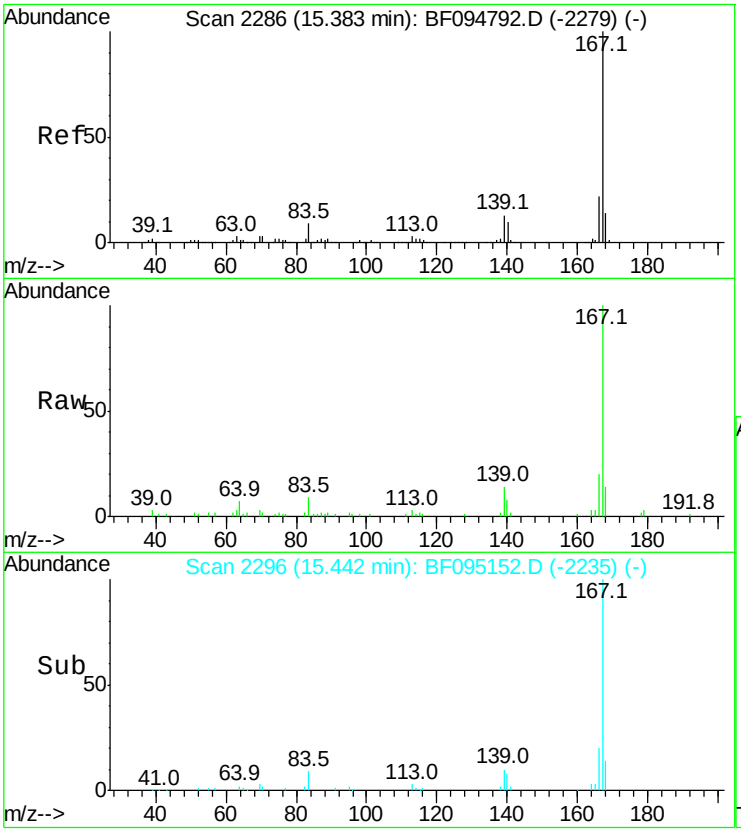


#71
Anthracene
Concen: 17.18 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:178 Resp: 236942

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.8	23.8
179	16.3	12.7	19.1



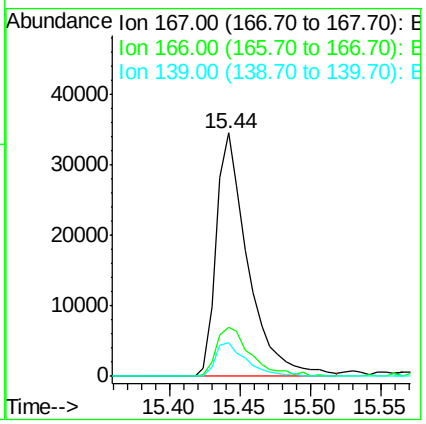


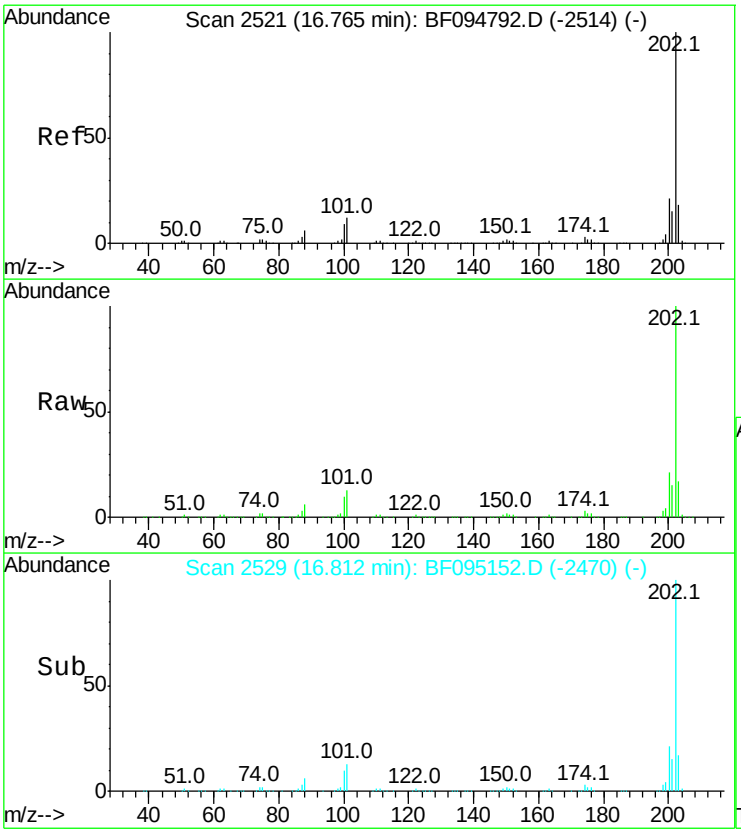
#72
Carbazole
Concen: 4.29 ng
RT: 15.44 min Scan# 2296
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 53895

Ion	Ratio	Lower	Upper
167	100		
166	20.1	18.1	27.1
139	13.8	11.7	17.5

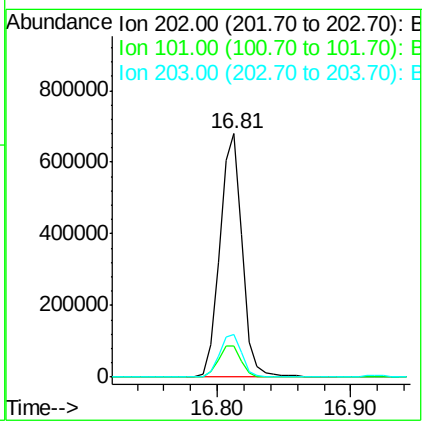


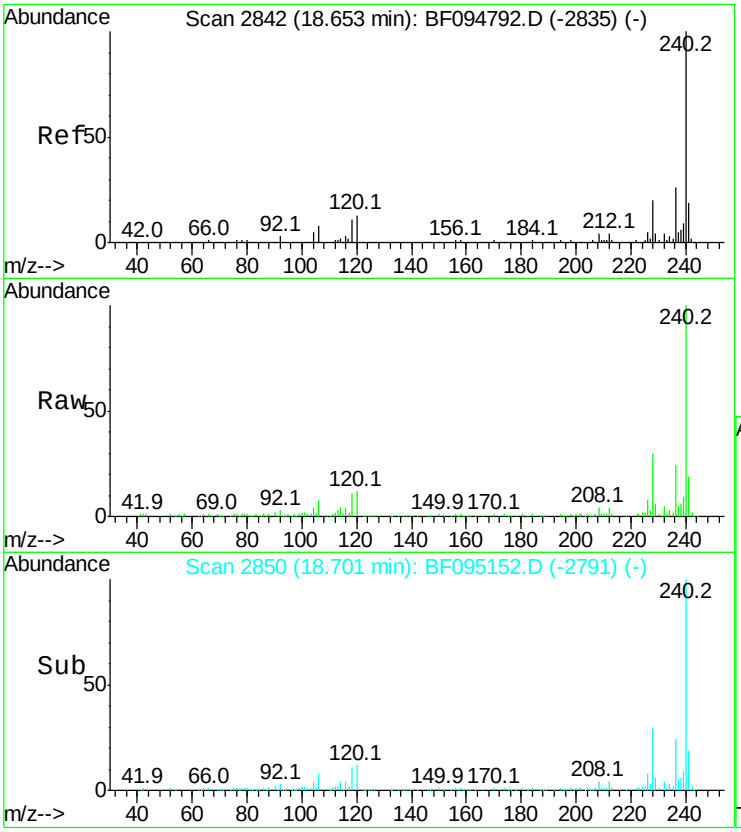


#74
Fluoranthene
Concen: 58.01 ng
RT: 16.81 min Scan# 2529
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:202 Resp: 803548

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.4	0.0	38.1



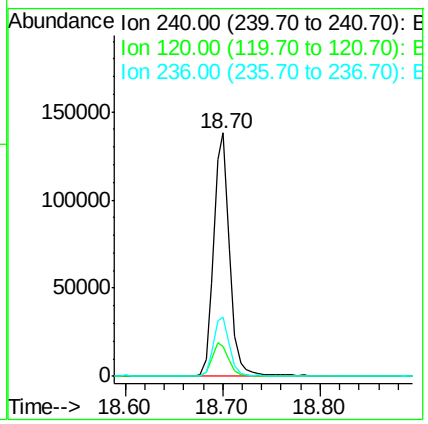


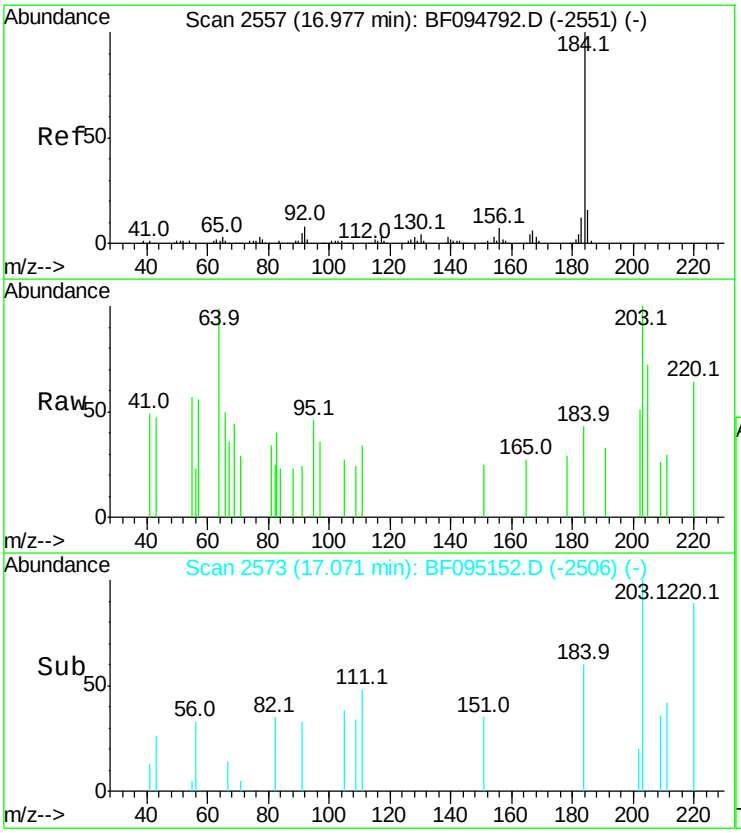
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.70 min Scan# 2850
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 156369

Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	24.5	20.5	30.7

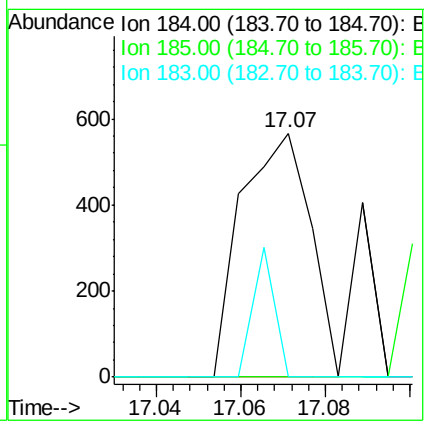


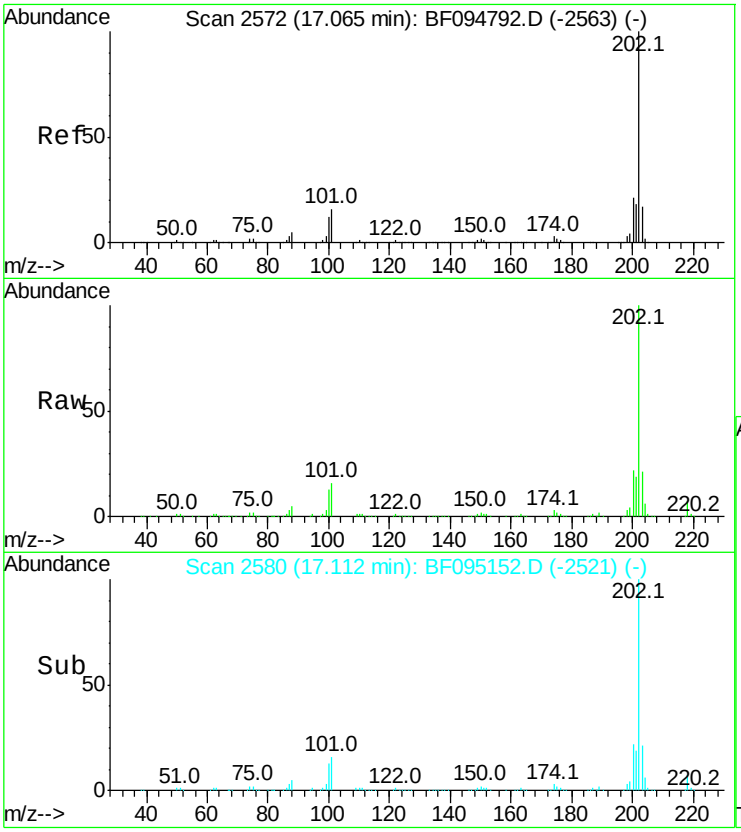


#76
Benzidine
Concen: 6.72 ng
RT: 17.07 min Scan# 2573
Delta R.T. 0.09 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:184 Resp: 645

Ion	Ratio	Lower	Upper
184	100		
185	0.0	15.5	23.3#
183	0.0	9.8	14.6#



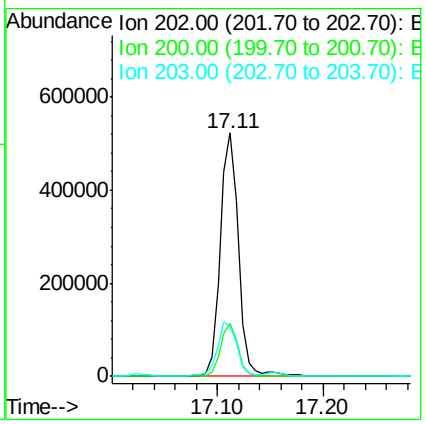


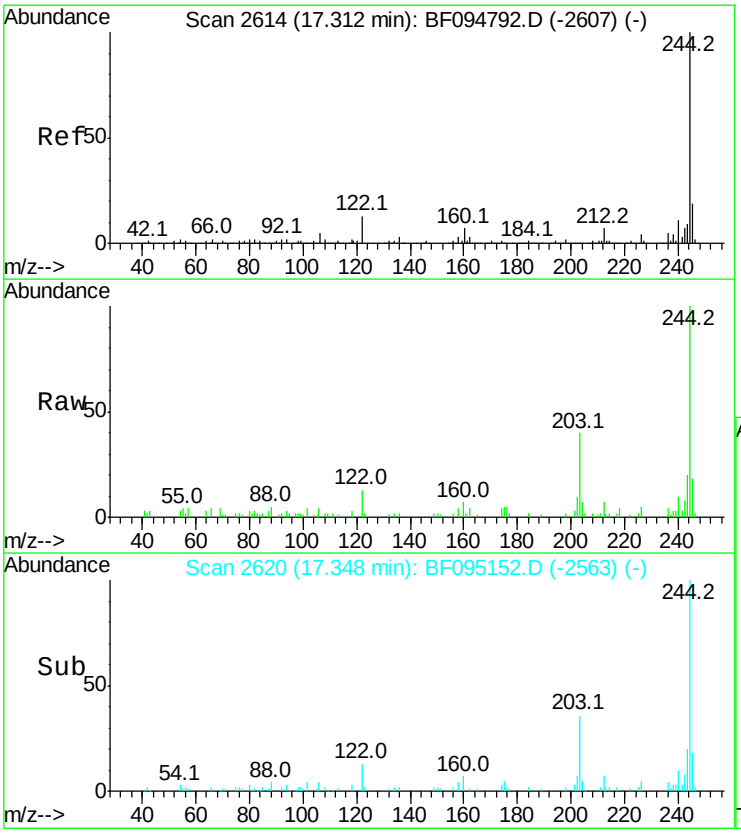
#77
Pyrene
Concen: 53.57 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 626521

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.9	14.4	21.6

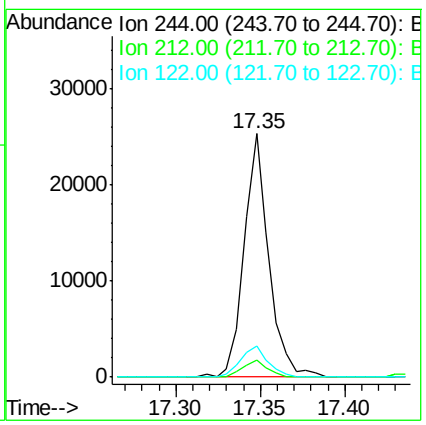


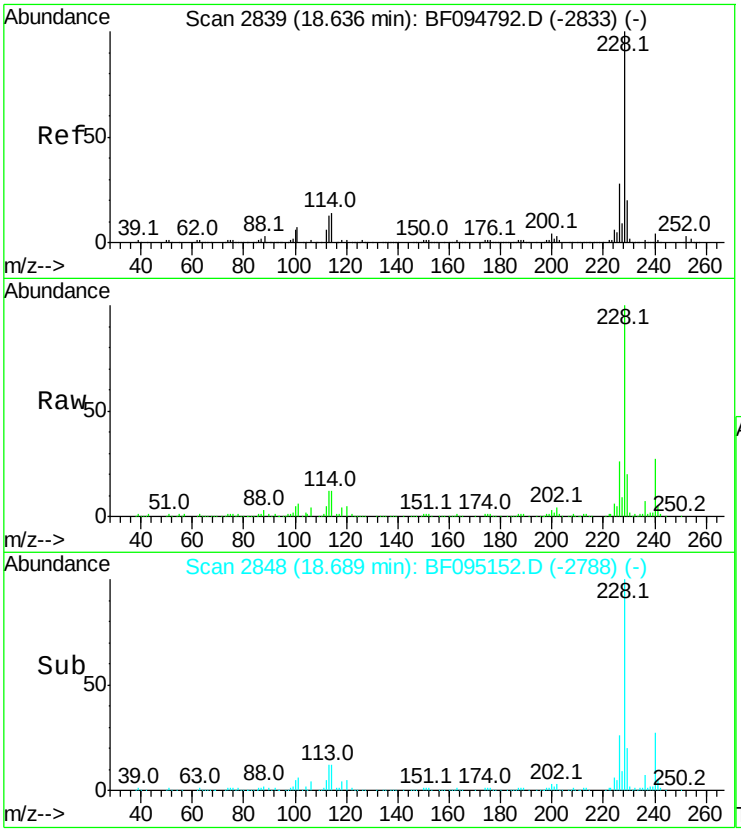


#78
Terphenyl-d14
Concen: 3.63 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:244 Resp: 25754

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.0	10.3	15.5



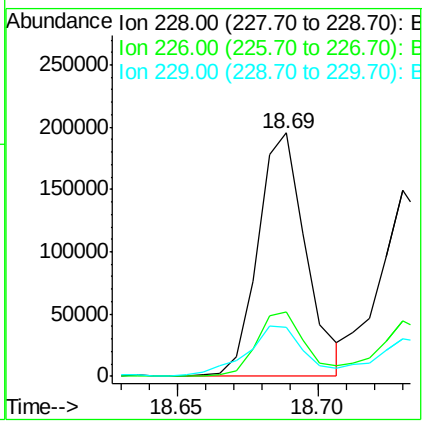


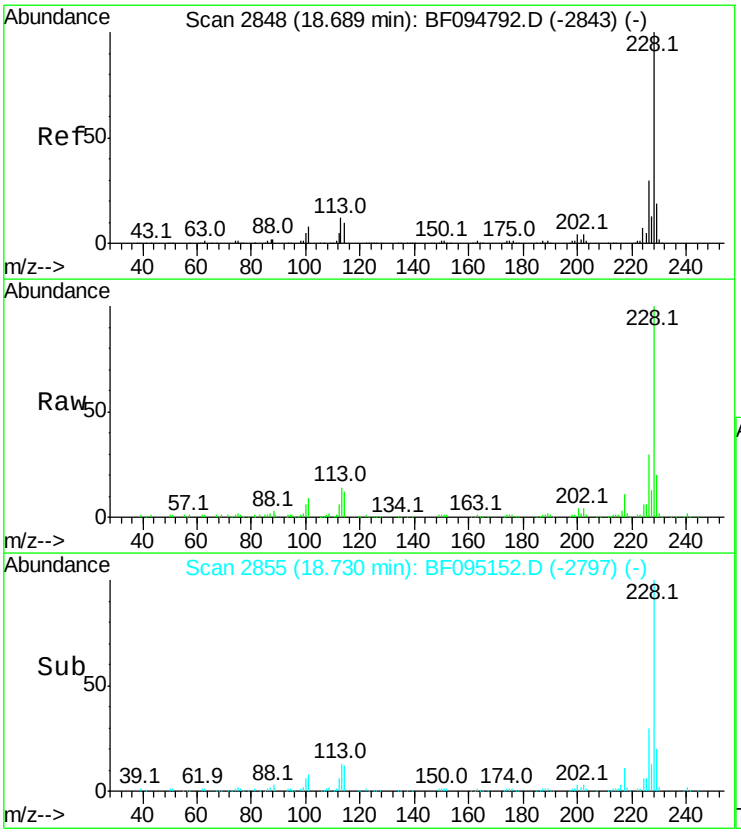
#80
Benzo(a)anthracene
Concen: 25.10 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 228442

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.6	33.8
229	20.2	16.3	24.5

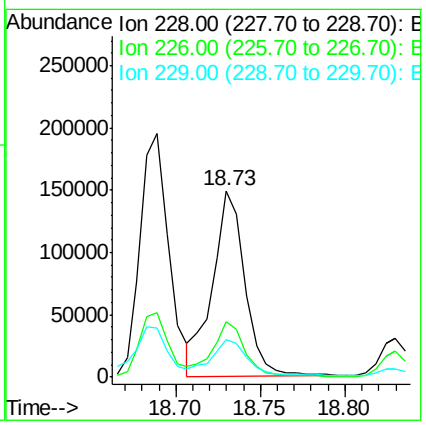


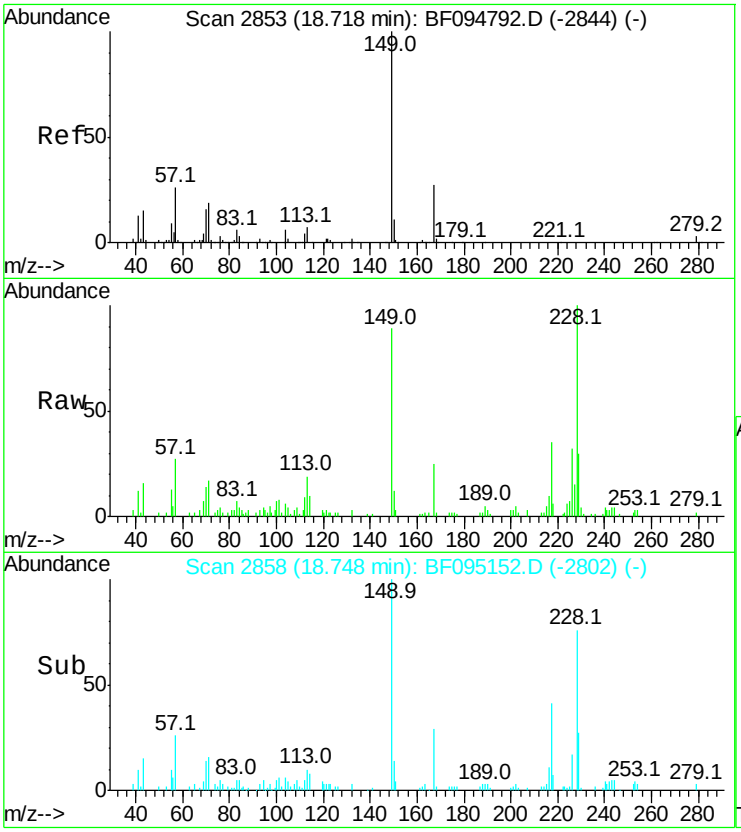


#82
Chrysene
Concen: 22.63 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:228 Resp: 199164

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	20.5	15.8	23.6



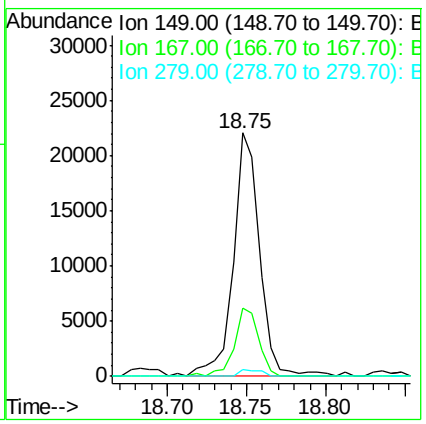


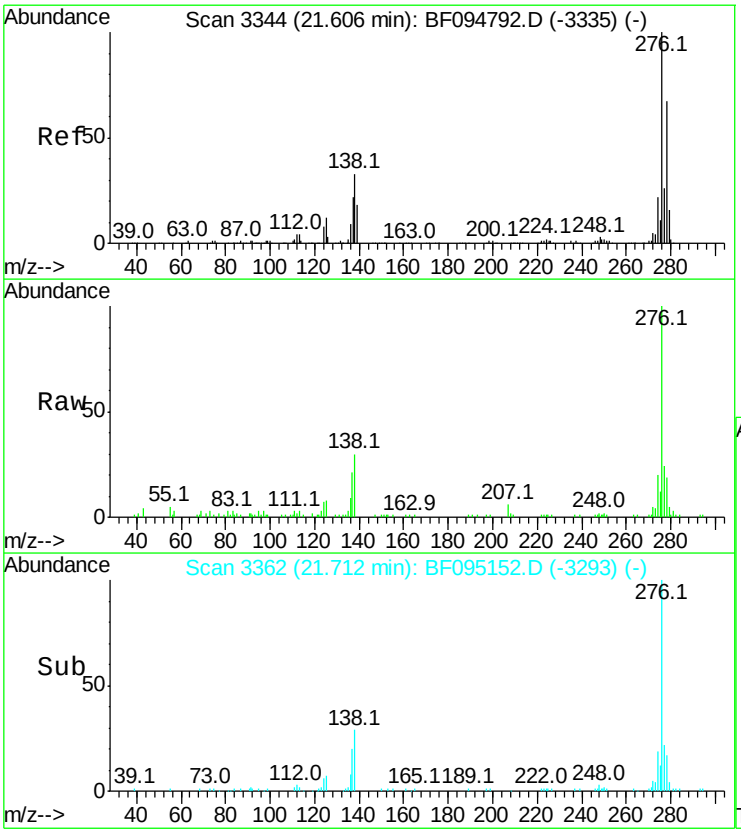
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.26 ng
RT: 18.75 min Scan# 2858
Delta R.T. 0.03 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 25304

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.0	31.4
279	2.7	1.9	2.9

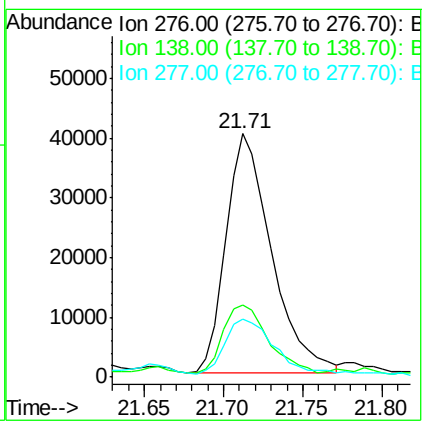


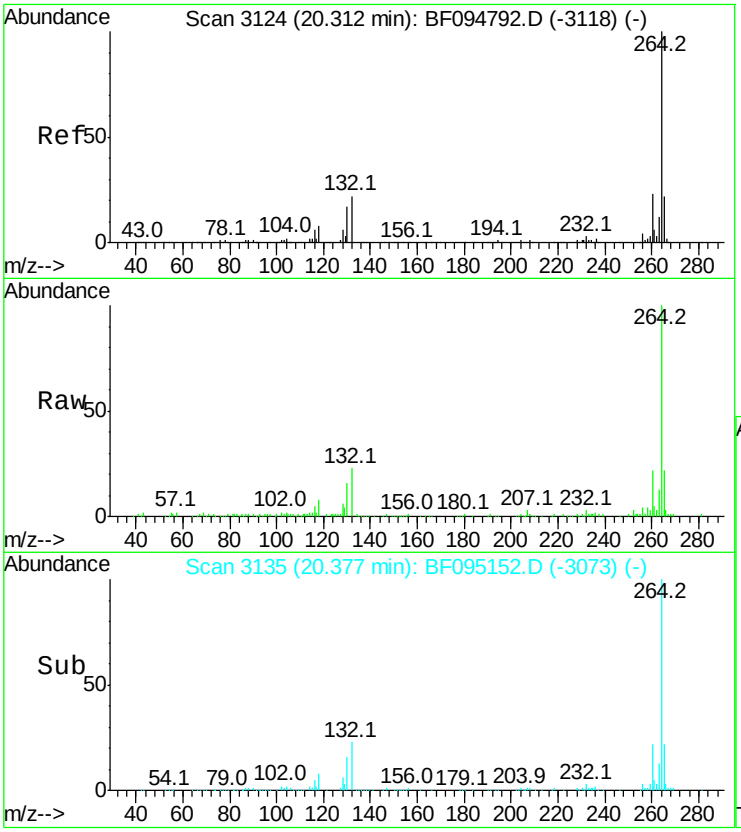


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.23 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.11 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:276 Resp: 80234

Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	26.4	20.2	30.4



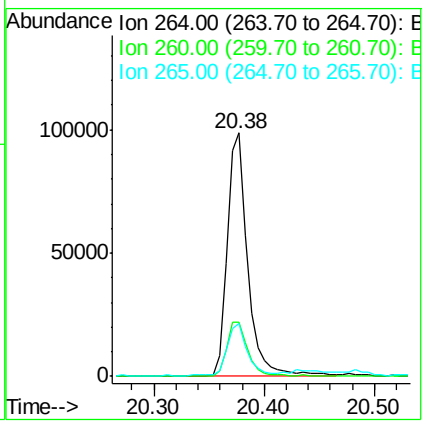


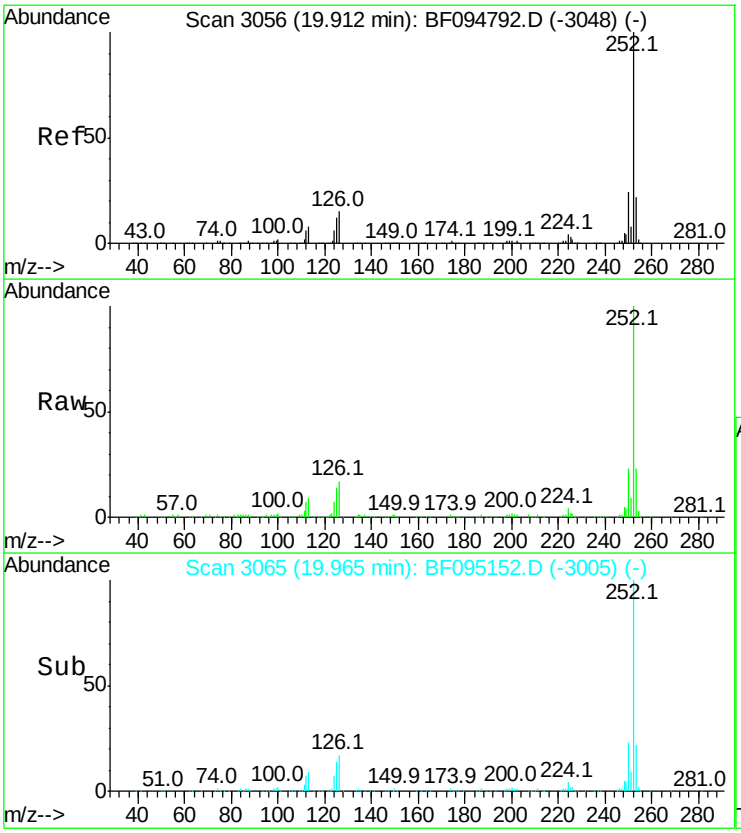
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 128587

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.5	17.2	25.8

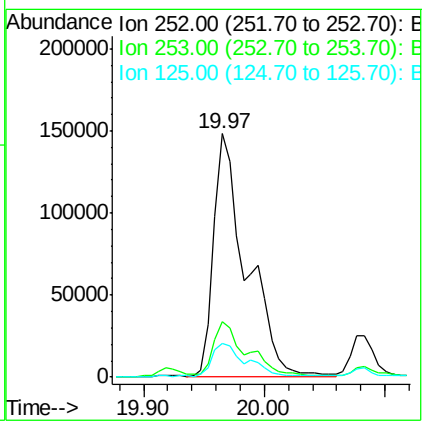


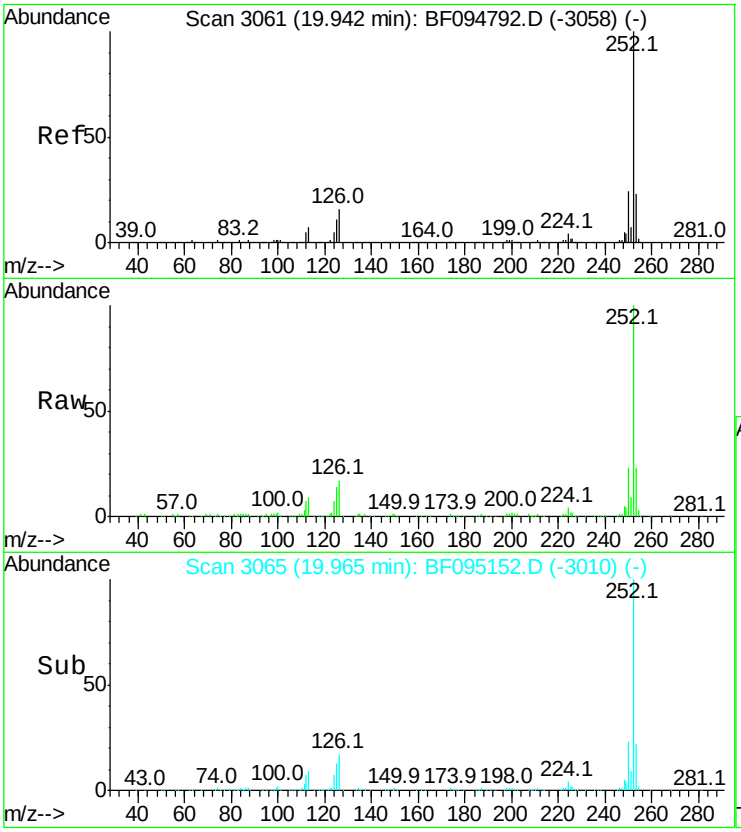


#87
Benzo(b)fluoranthene
Concen: 34.83 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:252 Resp: 276728

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.8	9.8	14.8



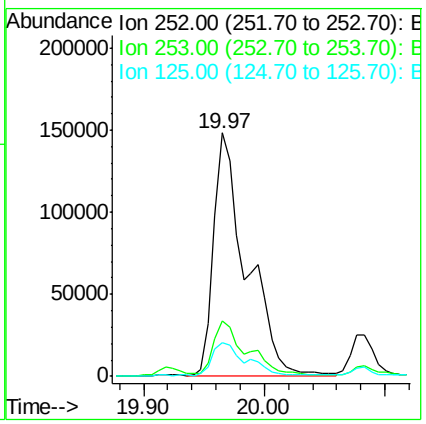


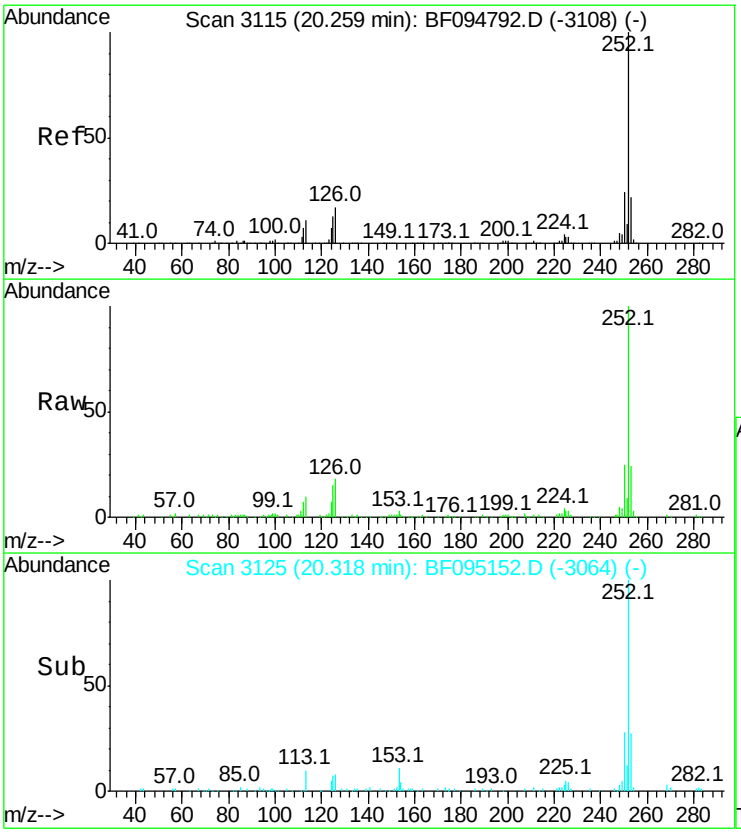
#88
Benzo(k)fluoranthene
Concen: 36.11 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.02 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 276728

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	13.8	13.1	19.7

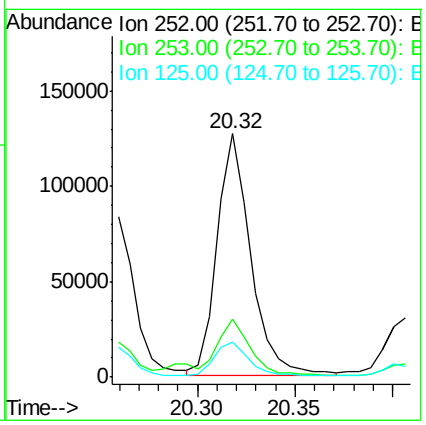


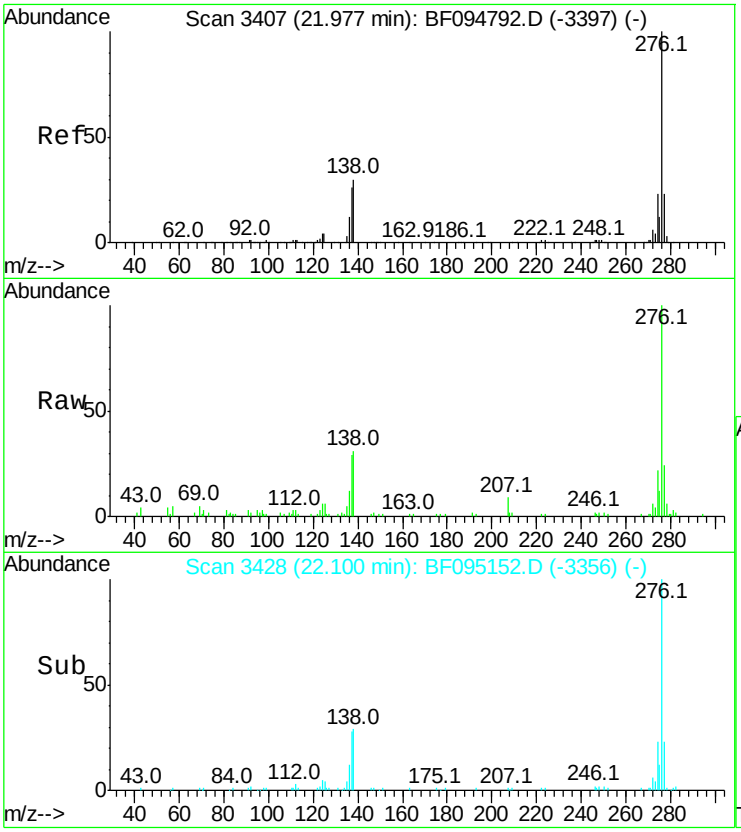


#89
Benzo(a)pyrene
Concen: 20.75 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion:252 Resp: 152146

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.6	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 13.53 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 80417

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	30.7	25.4	38.0