Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
Data File : BF094116.D
Acq On : 1 Apr 2017 2:45
Operator : SJ/MA
Sample : I2458-03 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-42-S1(1.0-1.5)

Quant Time: Apr 01 04:00:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	172413	20.00	ng		0.00
21) Naphthalene-d8	7.40	136	664812	20.00	ng		0.00
38) Acenaphthene-d10	9.55	164	266681	20.00	ng		0.00
63) Phenanthrene-d10	11.37	188	399420	20.00	ng		0.00
75) Chrysene-d12	14.64	240	288976	20.00	ng		0.01
86) Perylene-d12	16.27	264	259307	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.43	112	210513	20.62	ng		0.00
7) Phenol-d6	5.50	99	277781	22.00	ng		0.00
23) Nitrobenzene-d5	6.54	82	79678	6.84	ng		-0.02
41) 2,4,6-Tribromophenol	10.52	330	15839	7.52	ng		0.00
44) 2-Fluorobiphenyl	8.73	172	315631	18.05	ng		0.00
78) Terphenyl-d14	13.35	244	165122	12.81	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.43	128	113928	3.56	ng		100
37) 2-Methylnaphthalene	8.27	142	70552	3.31	ng		97
48) Acenaphthylene	9.37	152	61439	2.20	ng		97
50) 2,6-Dinitrotoluene	9.55	165	39214	9.02	ng	#	35
51) Acenaphthene	9.59	154	407329	24.95	ng		99
54) Dibenzofuran	9.80	168	241810	10.88	ng		98
57) Fluorene	10.22	166	444610	24.12	ng		98
70) Phenanthrene	11.42	178	3274443	147.37	ng		100
71) Anthracene	11.47	178	1115488	48.76	ng		99
72) Carbazole	11.67	167	344155	14.67	ng		99
74) Fluoranthene	12.89	202	3901158	171.47	ng		100
77) Pyrene	13.17	202	3307316	157.70	ng		99
80) Benzo(a)anthracene	14.63	228	1758865	104.38	ng		98
82) Chrysene	14.67	228	1590927	101.74	ng		97
85) Indeno(1,2,3-cd)pyrene	17.63	276	692568	51.14	ng		92
87) Benzo(b)fluoranthene	15.87	252	2342875	147.40	ng		98
88) Benzo(k)fluoranthene	15.87	252	2342875	150.65	ng		98
89) Benzo(a)pyrene	16.22	252	1203592	82.23	ng		99
90) Dibenzo(a,h)anthracene	17.79	278	140383	11.32	ng		94
91) Benzo(g,h,i)perylene	18.03	276	636691	50.97	ng		97

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

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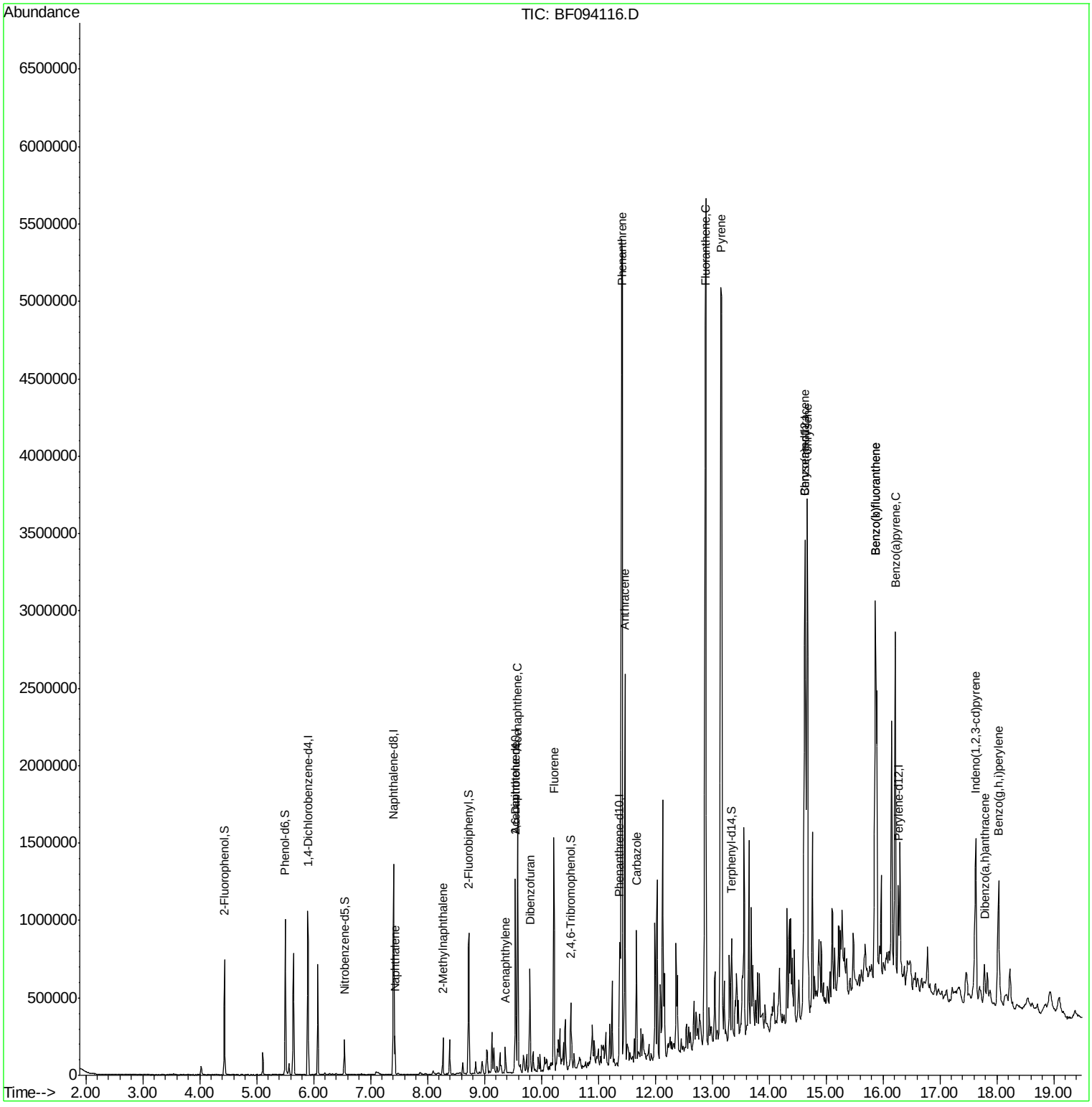
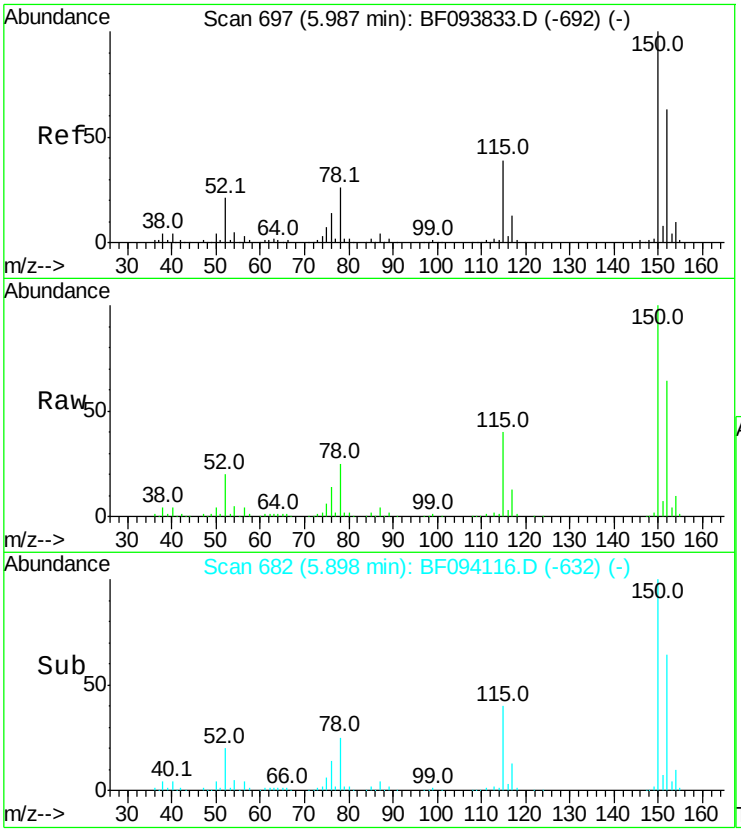


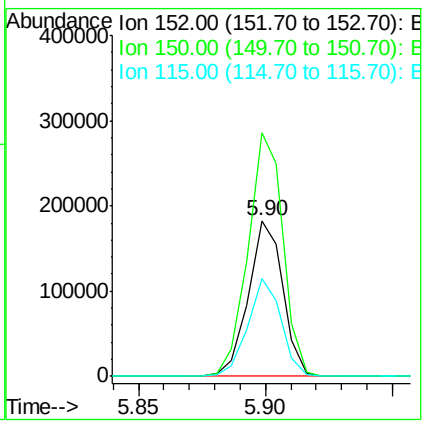


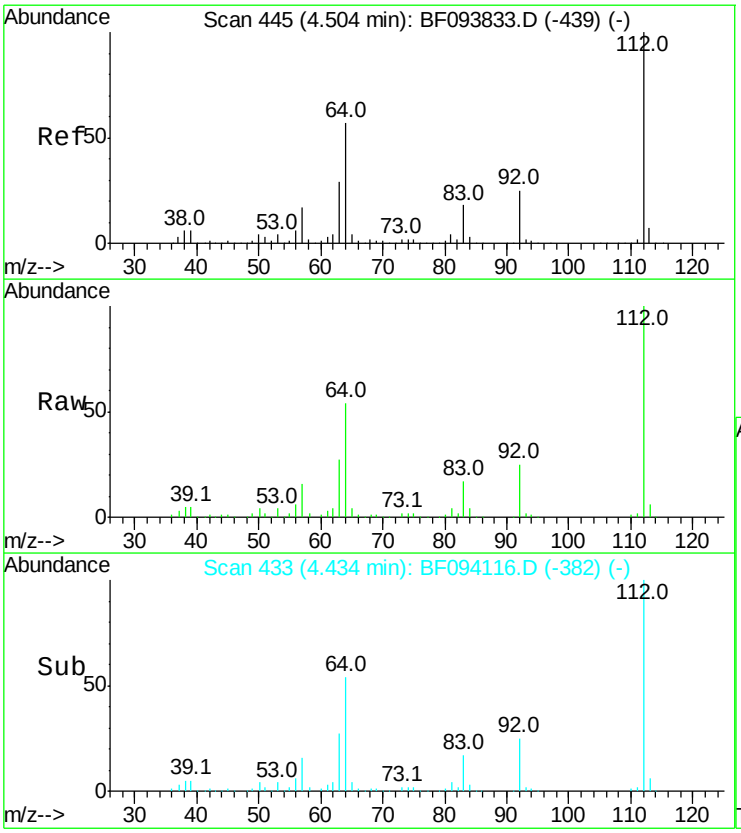
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:152 Resp: 172413

Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	62.6	52.2	78.2

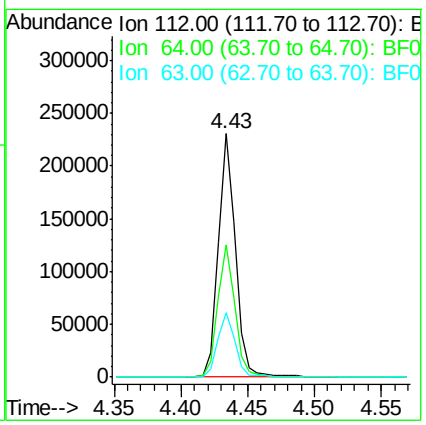


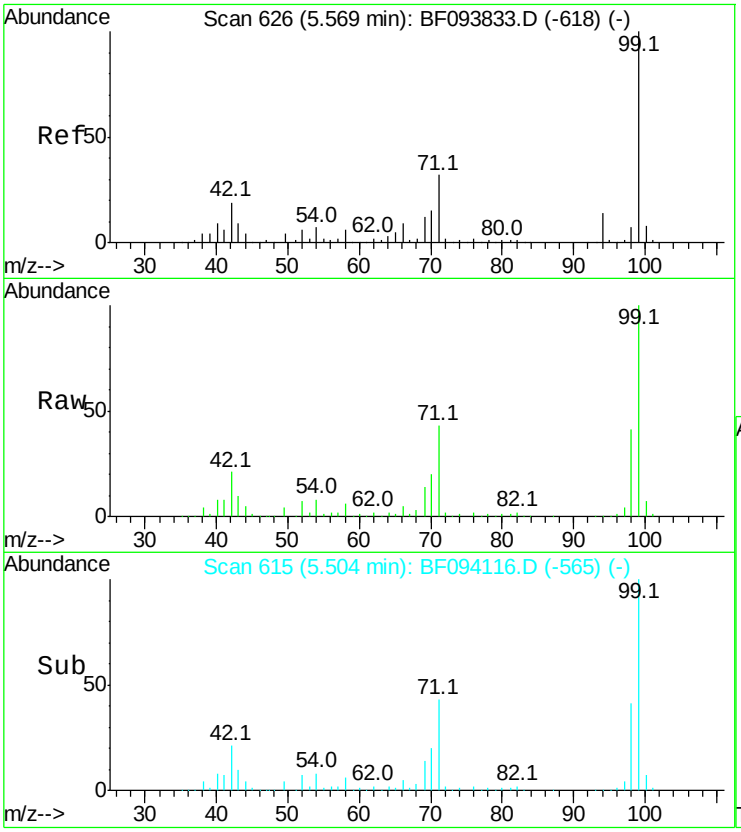


#5
2-Fluorophenol
Concen: 20.62 ng
RT: 4.43 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:112 Resp: 210513

Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.0	69.0
63	26.5	23.4	35.0



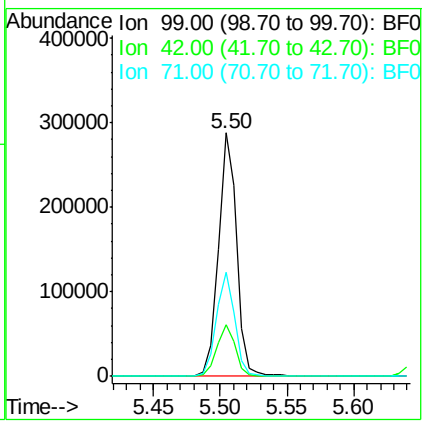


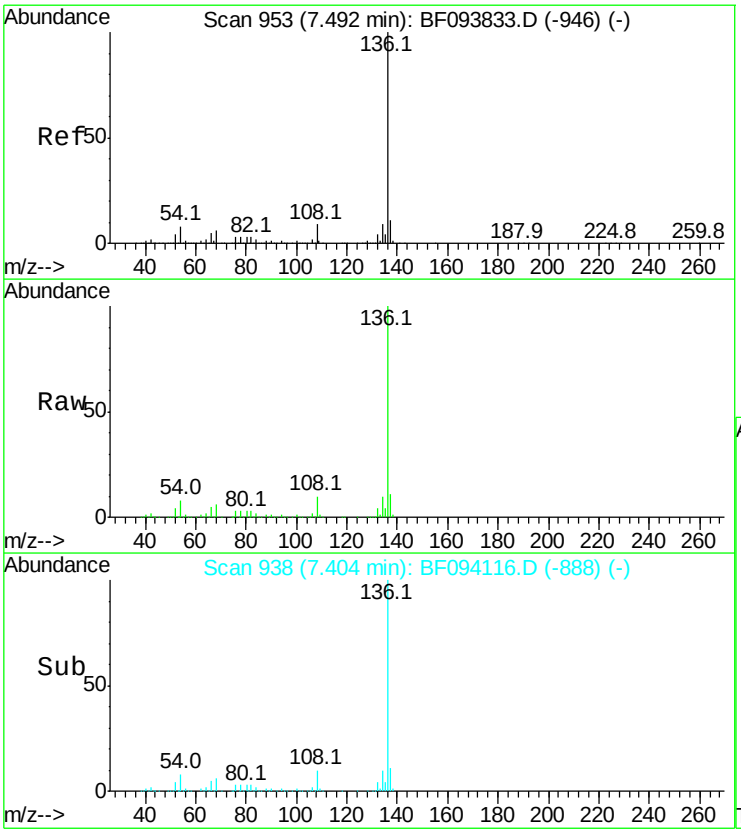
#7
Phenol-d6
Concen: 22.00 ng
RT: 5.50 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion: 99 Resp: 277781

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	42.8	24.5	36.7#

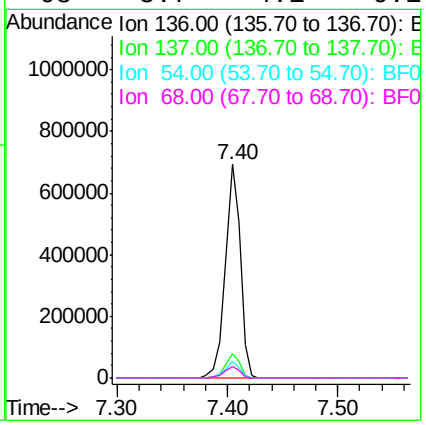


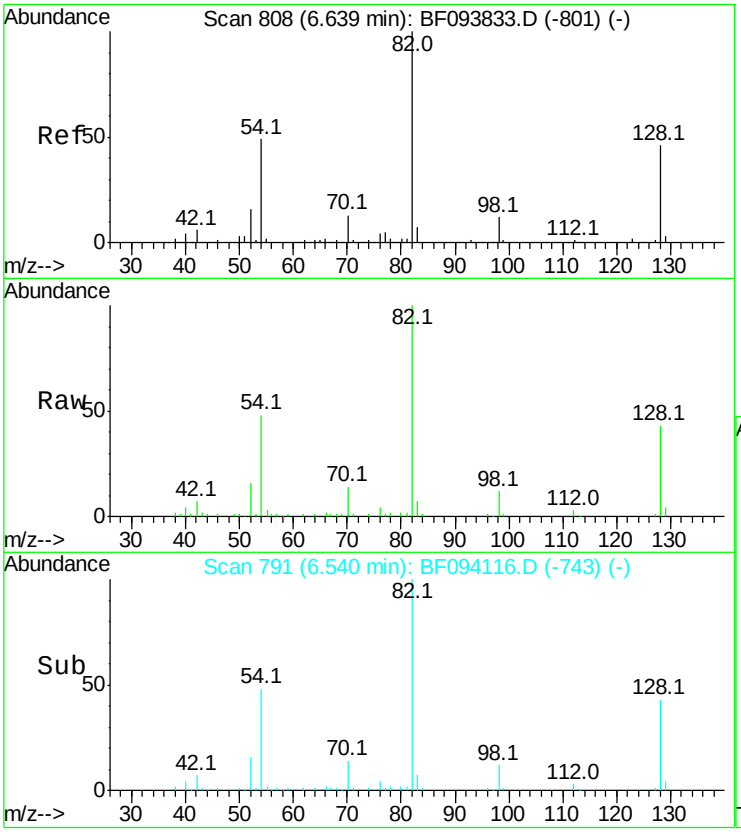


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:136 Resp: 664812

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.5	4.9	7.3#
68	5.7	4.1	6.1



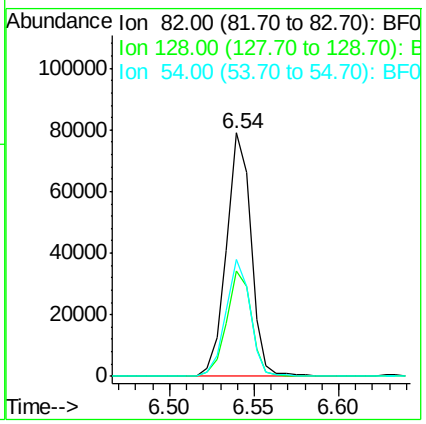


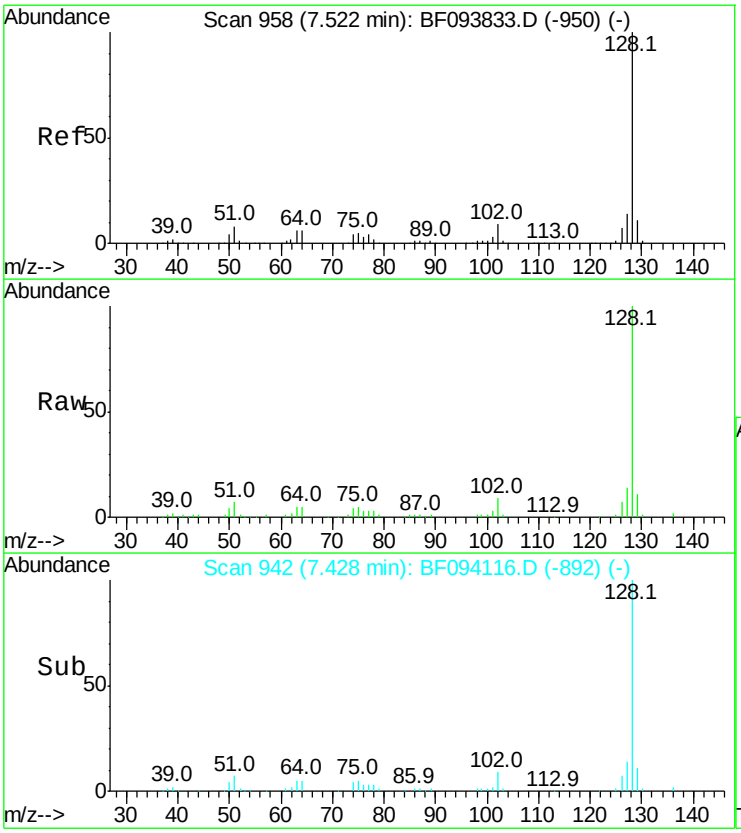
#23
Nitrobenzene-d5
Concen: 6.84 ng
RT: 6.54 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion: 82 Resp: 79678

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	48.2	42.2	63.2

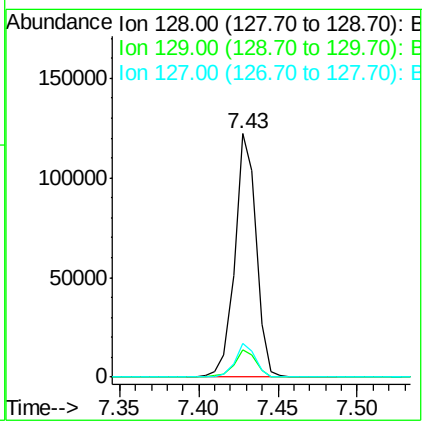


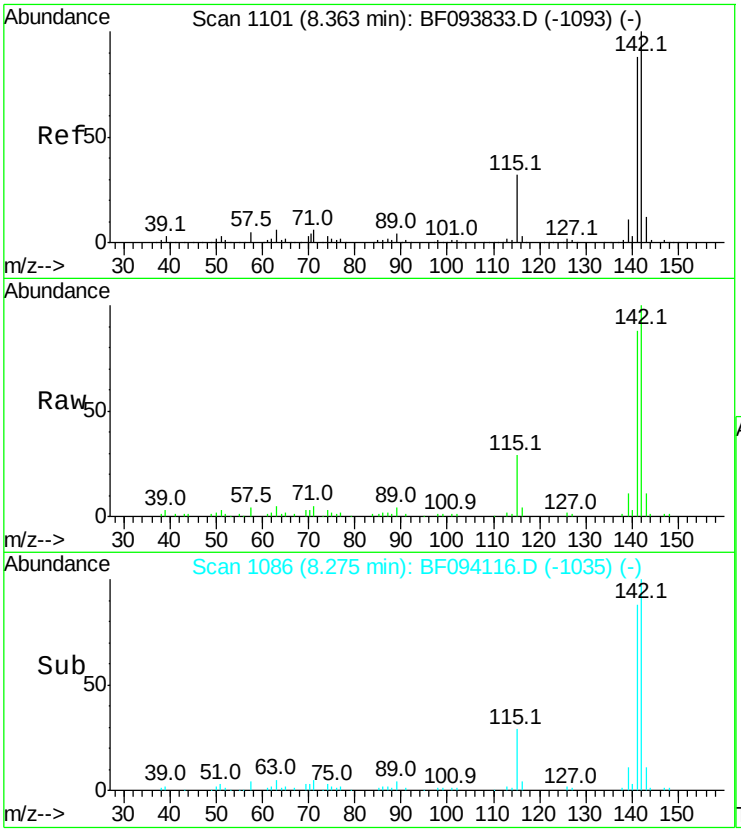


#31
Naphthalene
Concen: 3.56 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:128 Resp: 113928

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.7	10.8	16.2



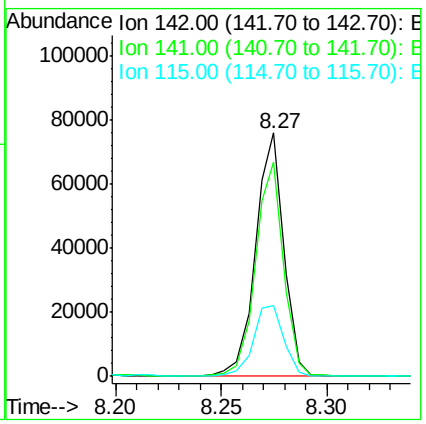


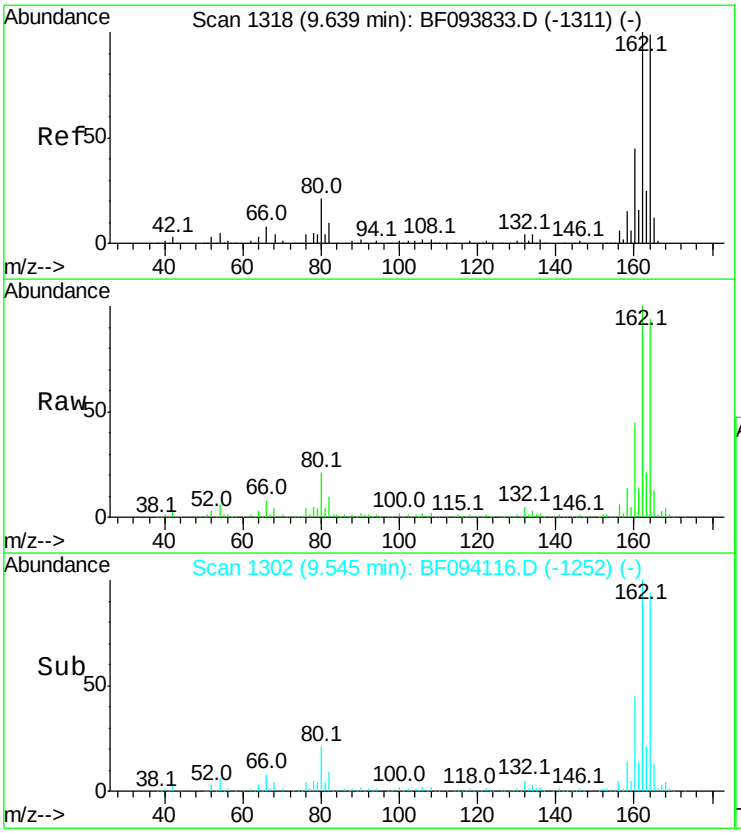
#37
2-Methylnaphthalene
Concen: 3.31 ng
RT: 8.27 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:142 Resp: 70552

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9
115	29.2	27.1	40.7

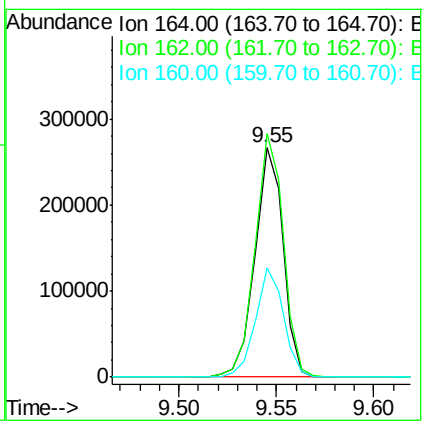


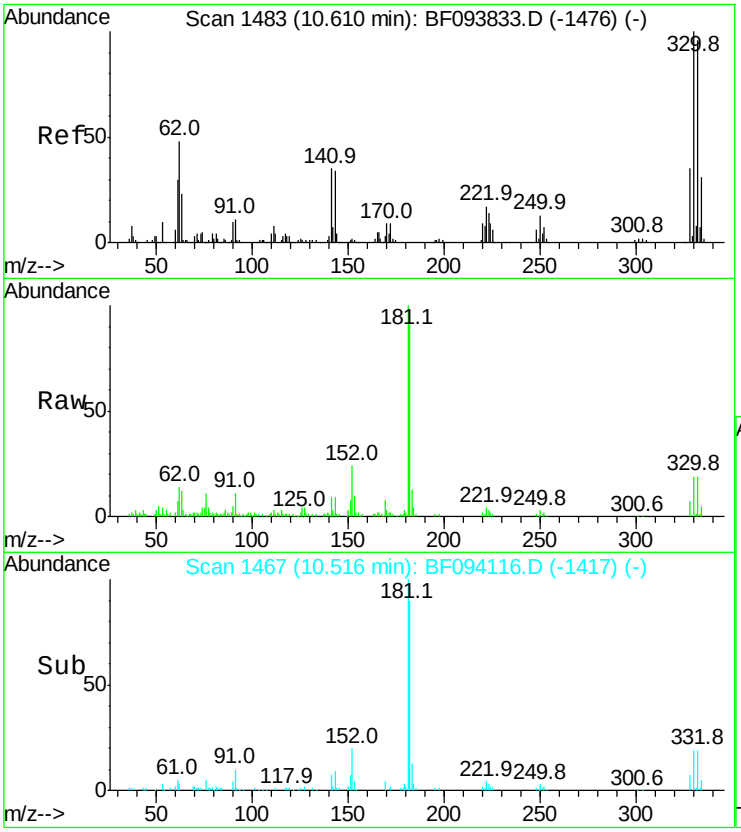


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:164 Resp: 266681

Ion	Ratio	Lower	Upper
164	100		
162	106.1	82.6	123.8
160	47.4	36.2	54.2



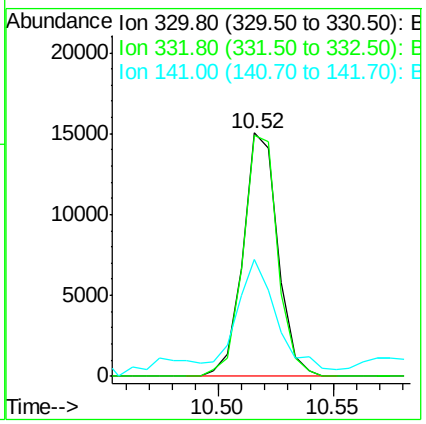


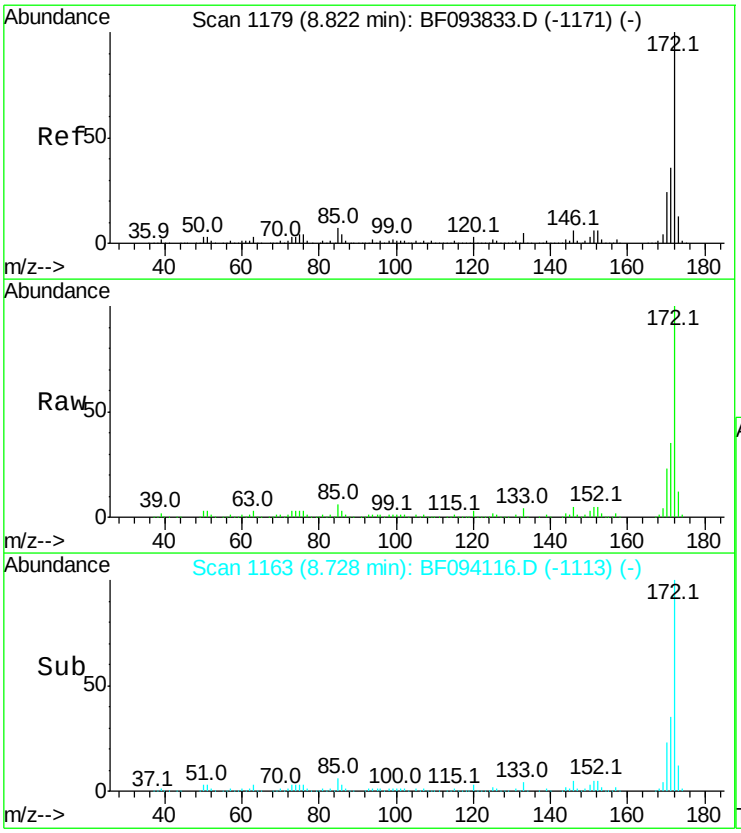
#41
2,4,6-Tribromophenol
Concen: 7.52 ng
RT: 10.52 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:330 Resp: 15839

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.6	115.0
141	49.1	31.4	47.2#

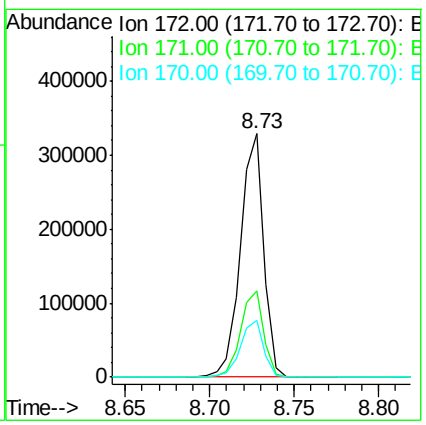


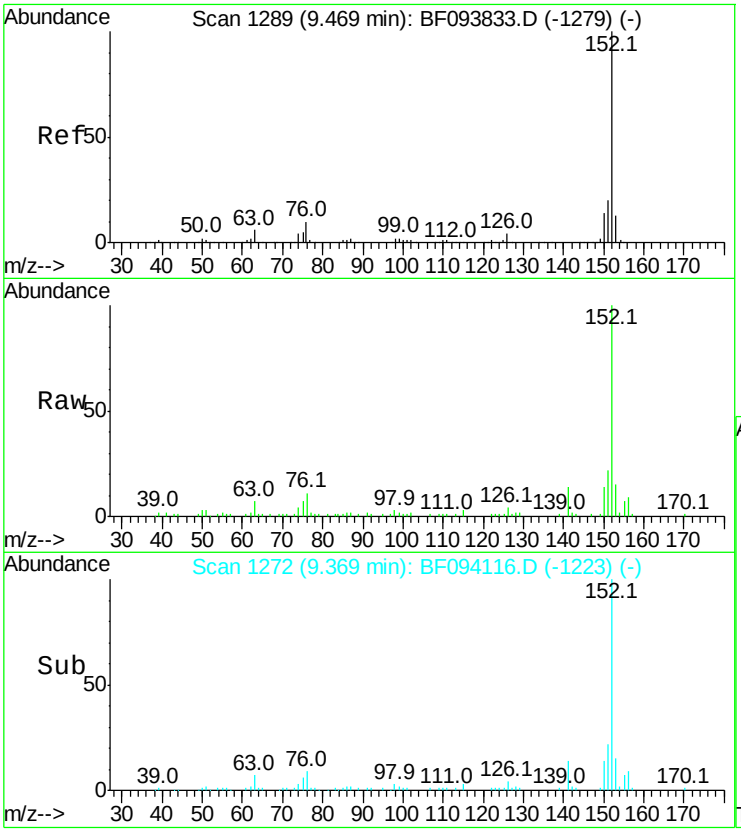


#44
2-Fluorobiphenyl
Concen: 18.05 ng
RT: 8.73 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:172 Resp: 315631

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.4	19.8	29.8



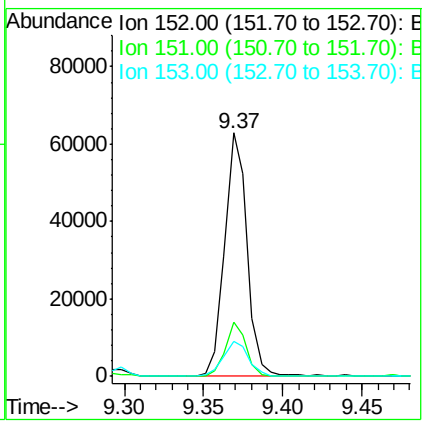


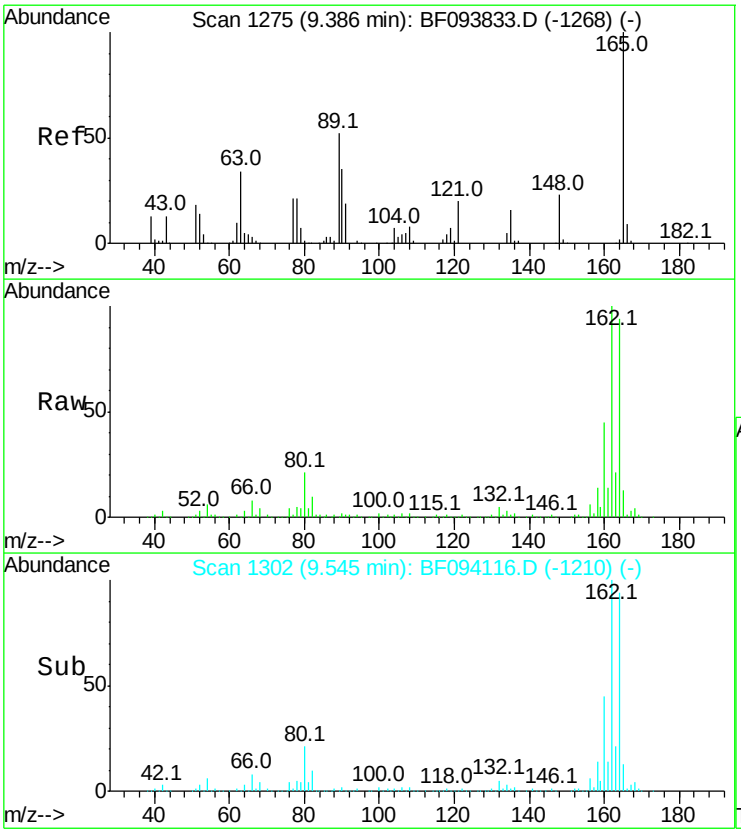
#48
Acenaphthylene
Concen: 2.20 ng
RT: 9.37 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:152 Resp: 61439

Ion	Ratio	Lower	Upper
152	100		
151	22.4	16.8	25.2
153	14.6	10.8	16.2

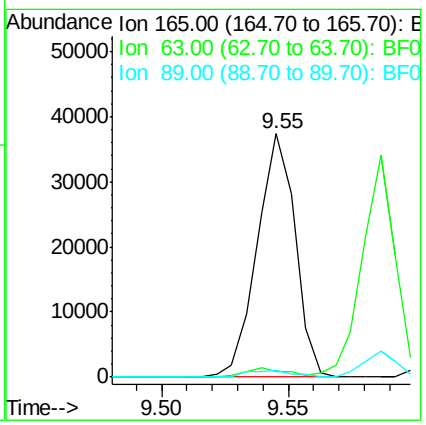


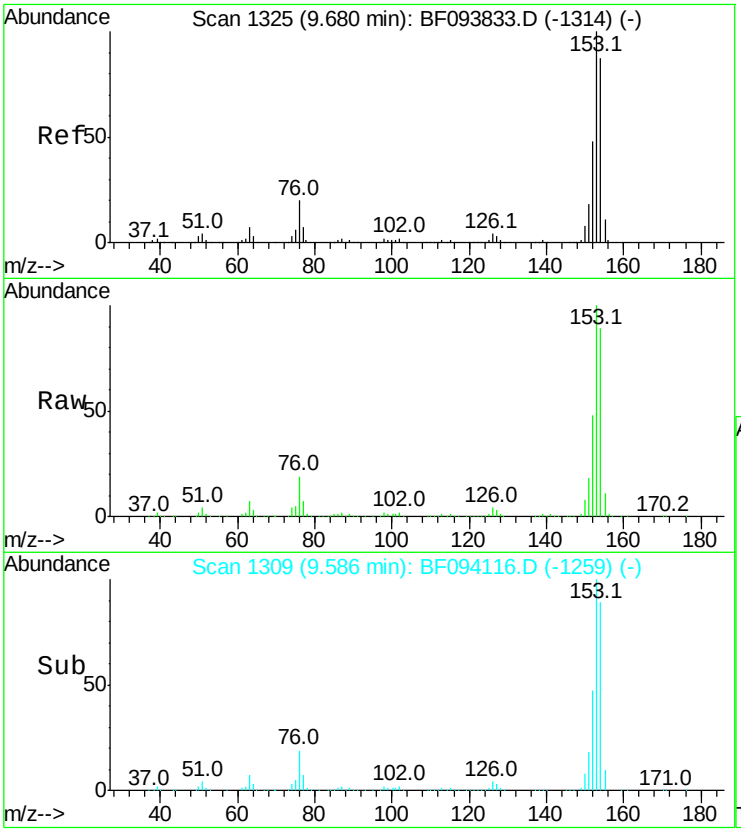


#50
2,6-Dinitrotoluene
Concen: 9.02 ng
RT: 9.55 min Scan# 1302
Delta R.T. 0.24 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:165 Resp: 39214

Ion	Ratio	Lower	Upper
165	100		
63	2.2	34.3	51.5#
89	2.7	37.1	55.7#



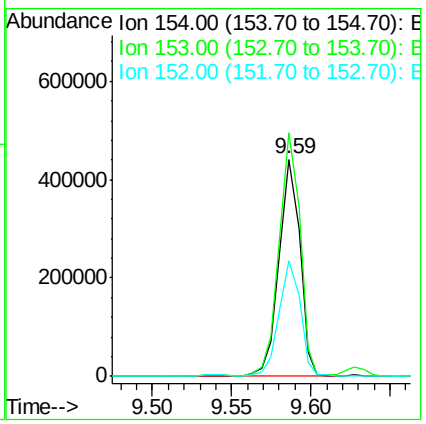


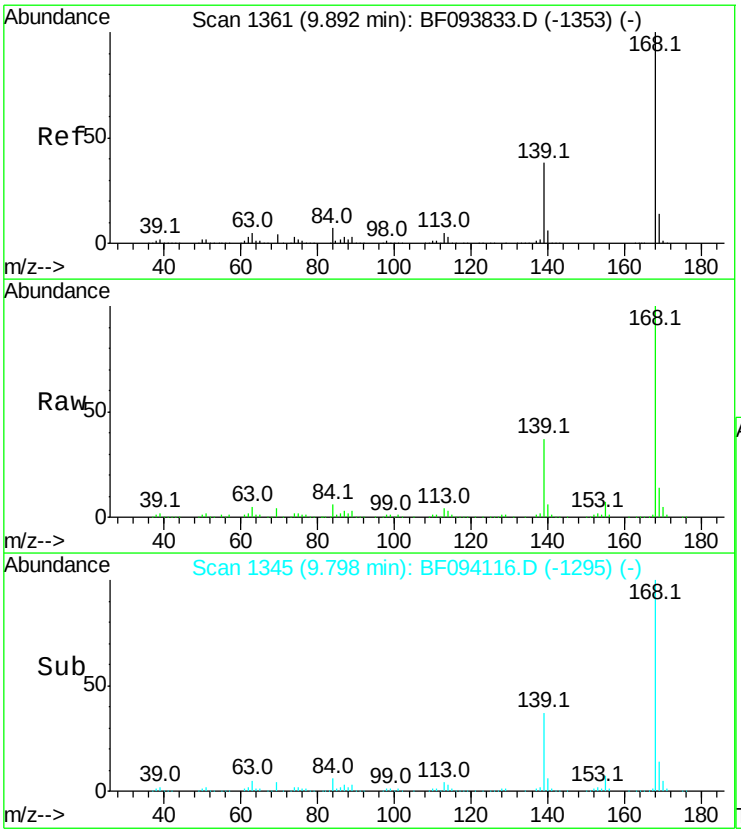
#51
Acenaphthene
Concen: 24.95 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:154 Resp: 407329

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	53.5	43.6	65.4

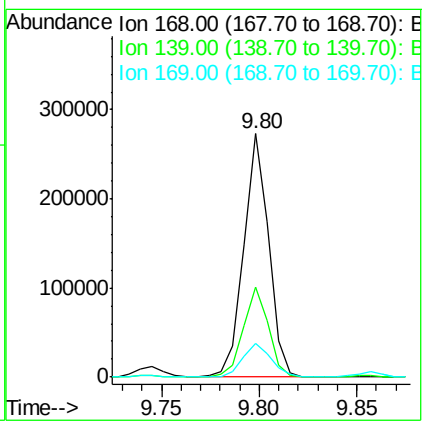


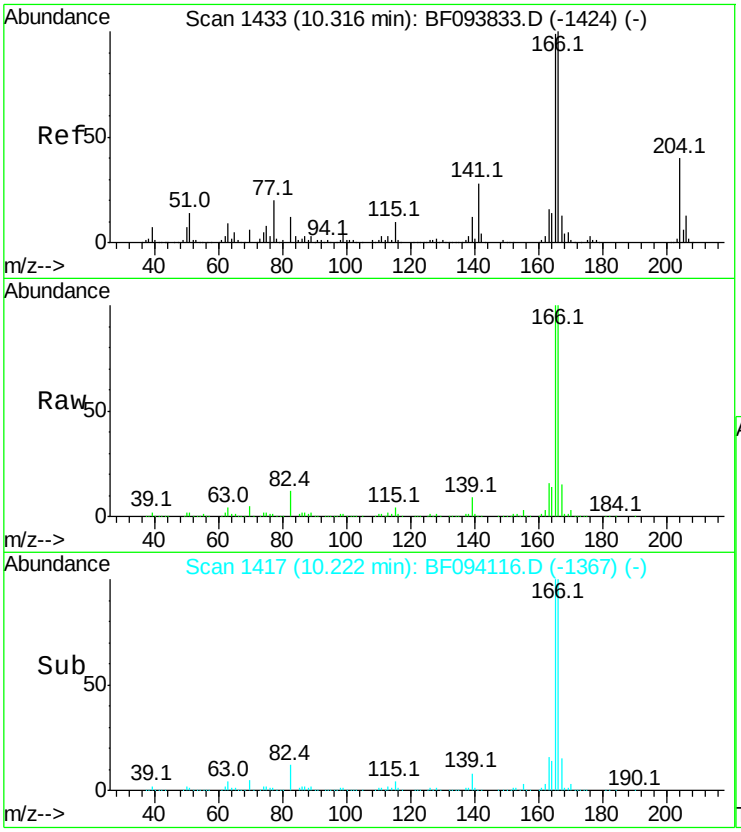


#54
Dibenzofuran
Concen: 10.88 ng
RT: 9.80 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:168 Resp: 241810

Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.6	45.8
169	13.8	10.8	16.2



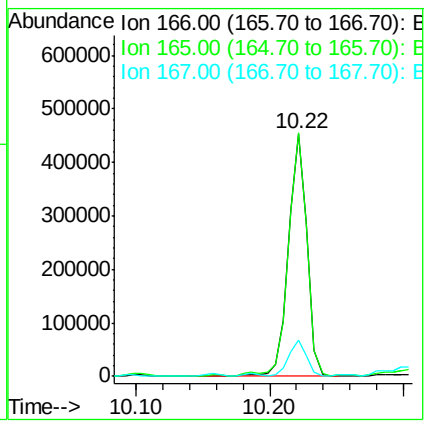


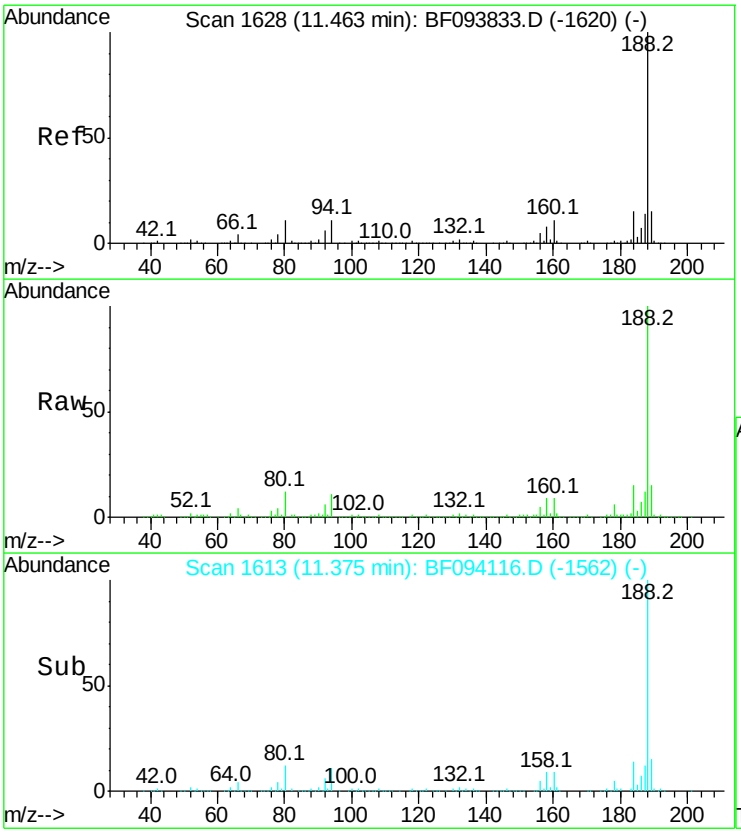
#57
Fluorene
Concen: 24.12 ng
RT: 10.22 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:166 Resp: 444610

Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	14.8	10.6	16.0

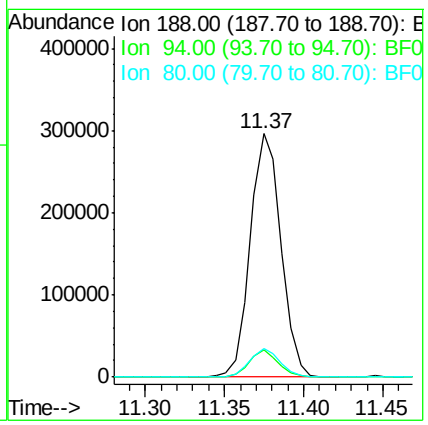


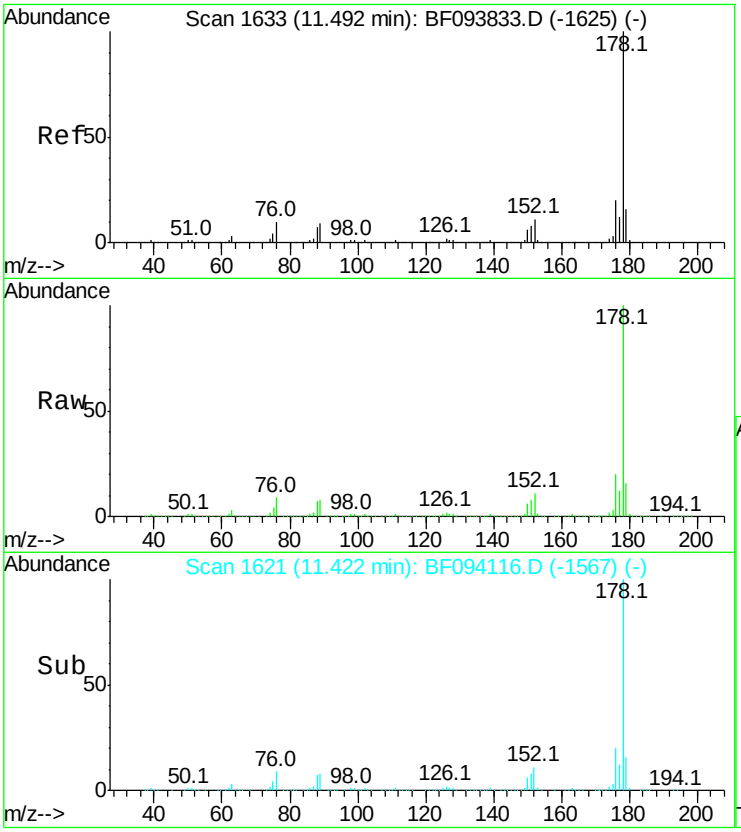


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:188 Resp: 399420

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.6	10.2	15.2



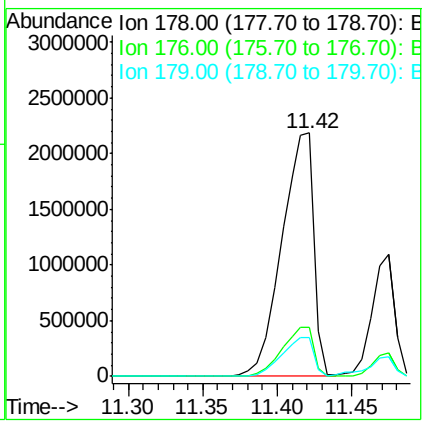


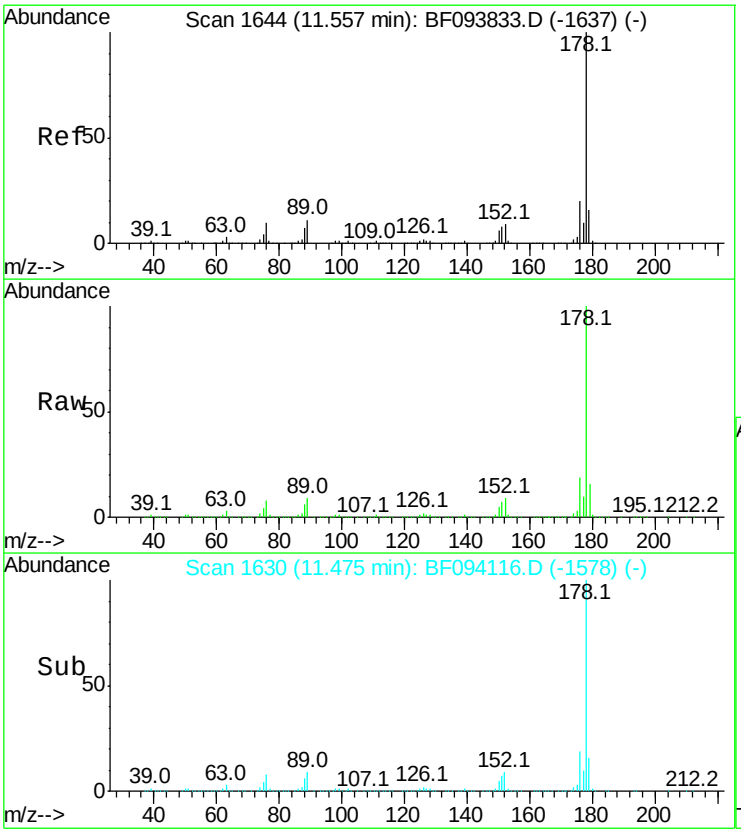
#70
Phenanthrene
Concen: 147.37 ng
RT: 11.42 min Scan# 1621
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:178 Resp: 3274443

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.7	12.6	19.0

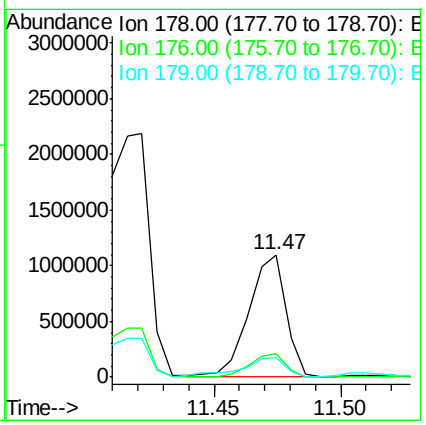


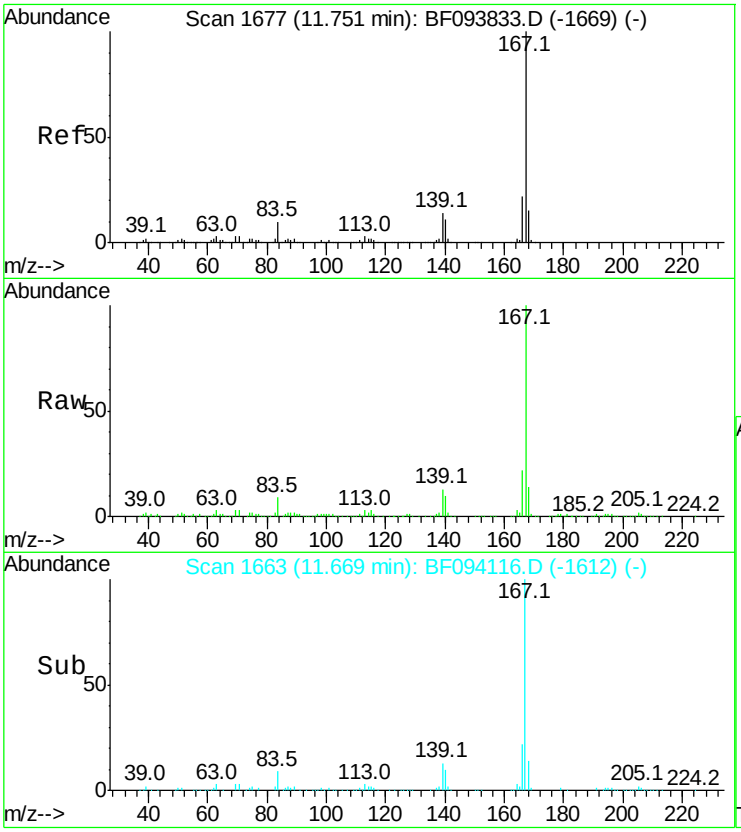


#71
Anthracene
Concen: 48.76 ng
RT: 11.47 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:178 Resp: 1115488

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	12.7	19.1



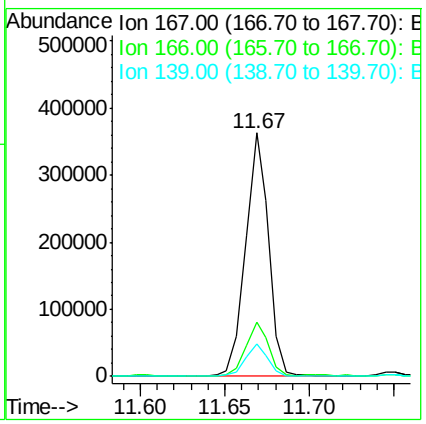


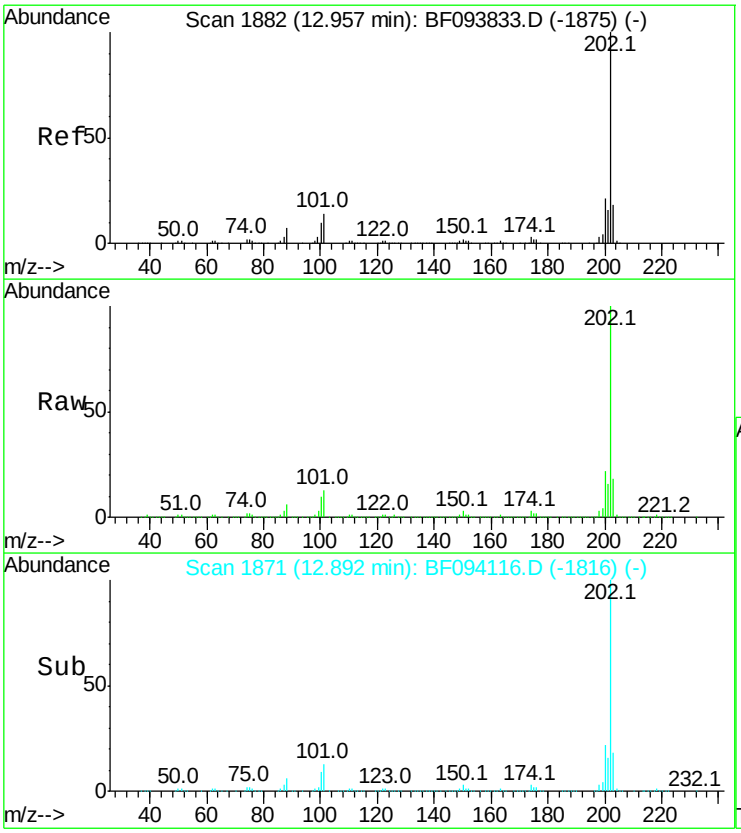
#72
Carbazole
Concen: 14.67 ng
RT: 11.67 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:167 Resp: 344155

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	13.2	11.7	17.5

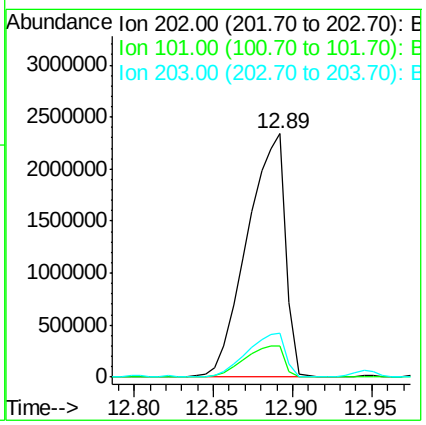


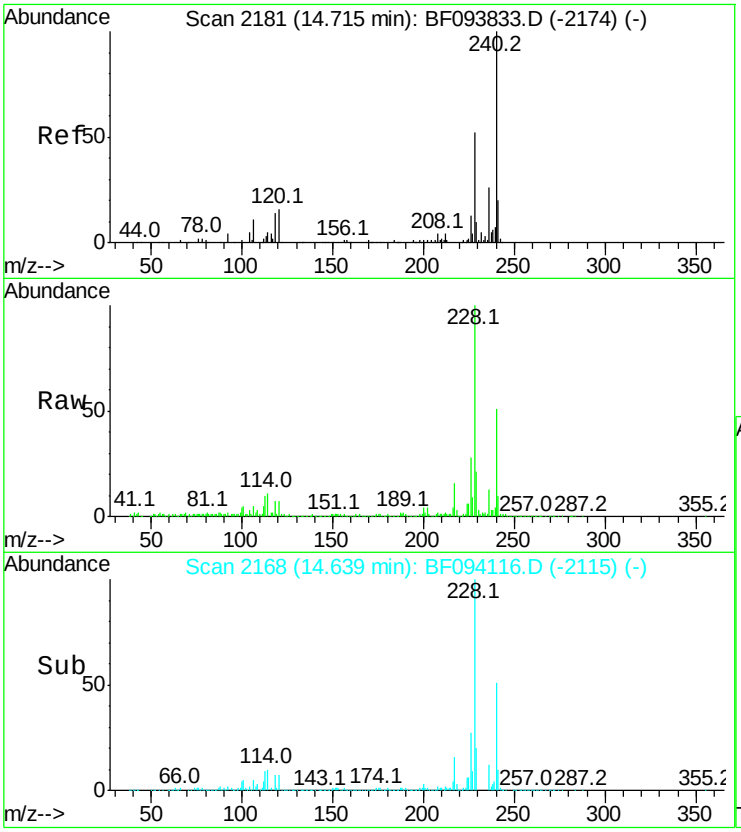


#74
Fluoranthene
Concen: 171.47 ng
RT: 12.89 min Scan# 1871
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:202 Resp: 3901158

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.2	0.0	38.1



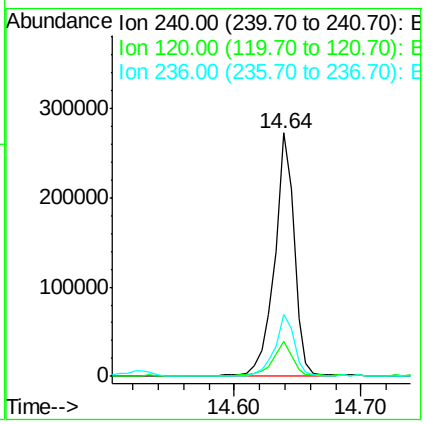


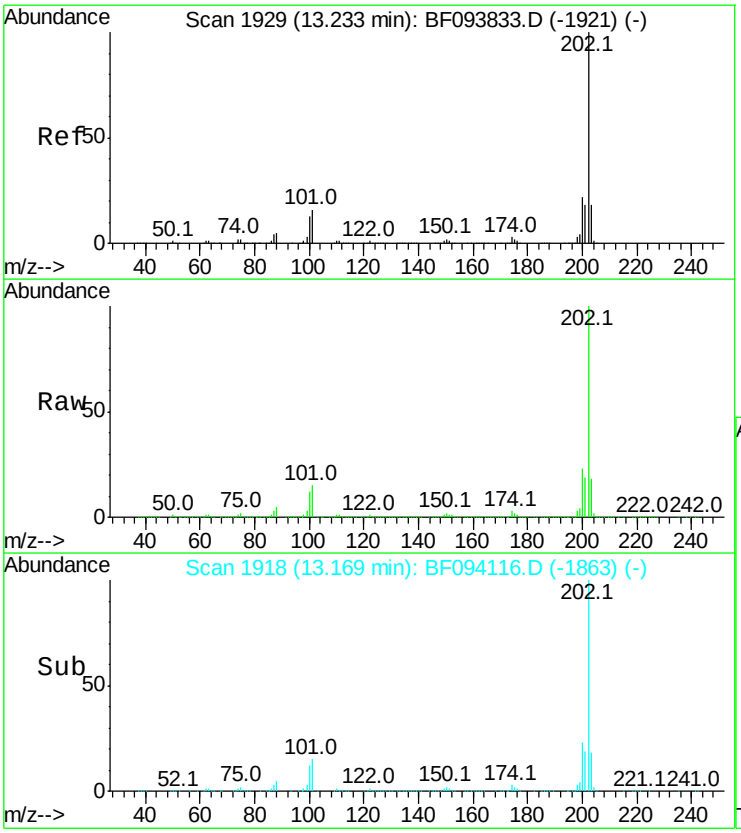
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.64 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:240 Resp: 288976

Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.4	20.5	30.7

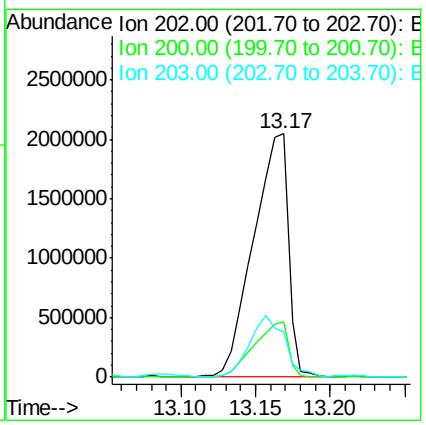


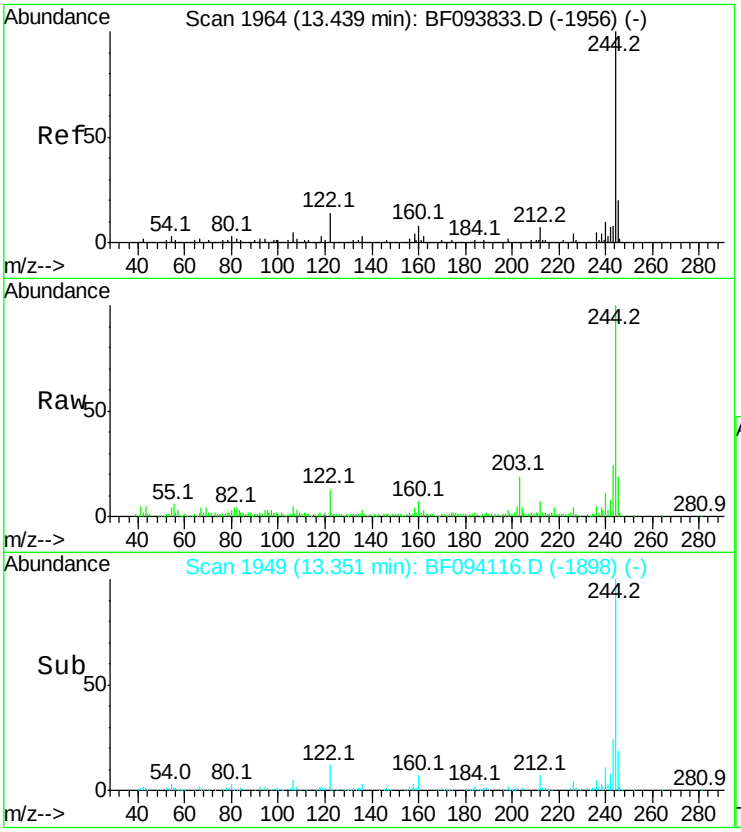


#77
Pyrene
Concen: 157.70 ng
RT: 13.17 min Scan# 1918
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:202 Resp: 3307316

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.6	26.4
203	18.4	14.4	21.6



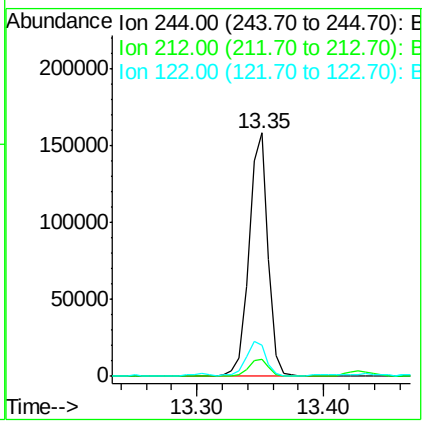


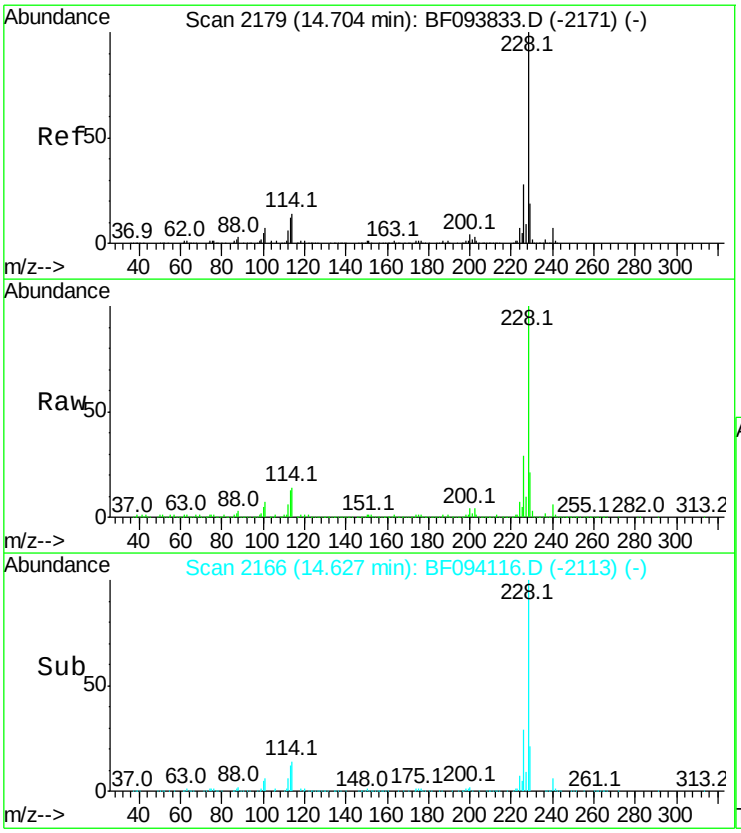
#78
Terphenyl-d14
Concen: 12.81 ng
RT: 13.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:244 Resp: 165122

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.7	10.3	15.5

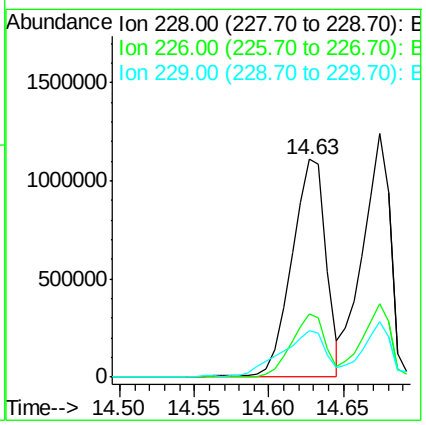


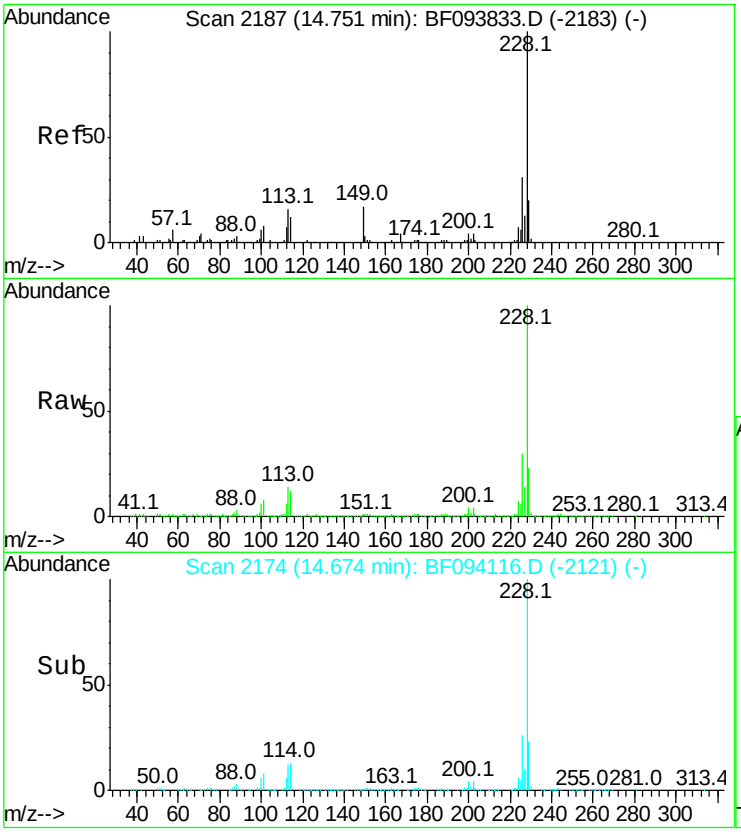


#80
Benzo(a)anthracene
Concen: 104.38 ng
RT: 14.63 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:228 Resp: 1758865

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.2	16.3	24.5



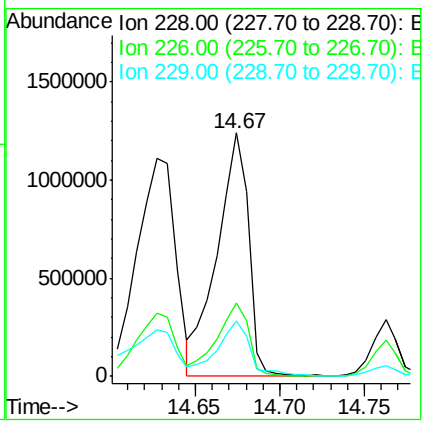


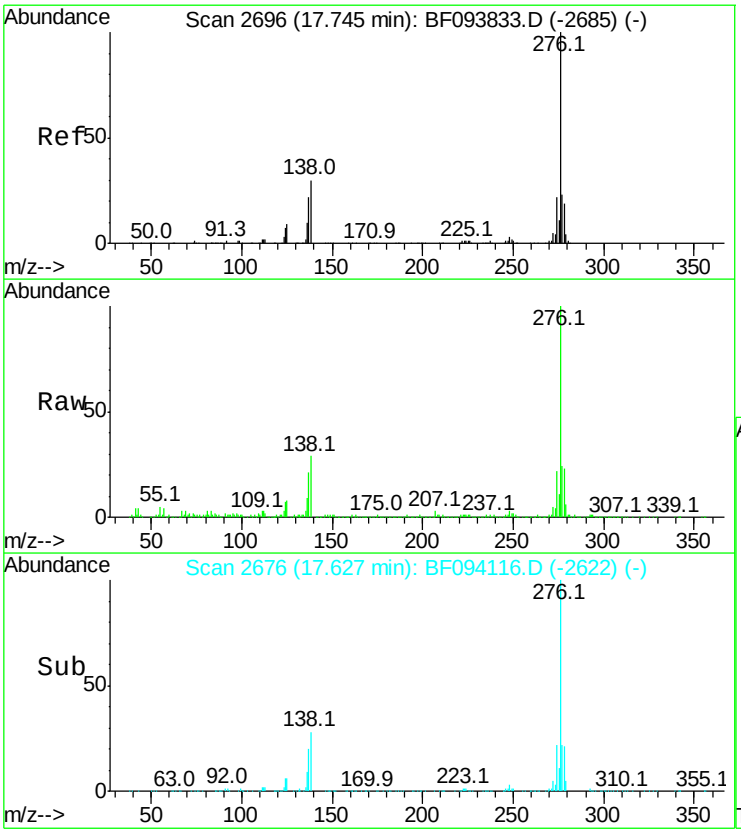
#82
Chrysene
Concen: 101.74 ng
RT: 14.67 min Scan# 2174
Delta R.T. 0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:228 Resp: 1590927

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	22.6	15.8	23.6

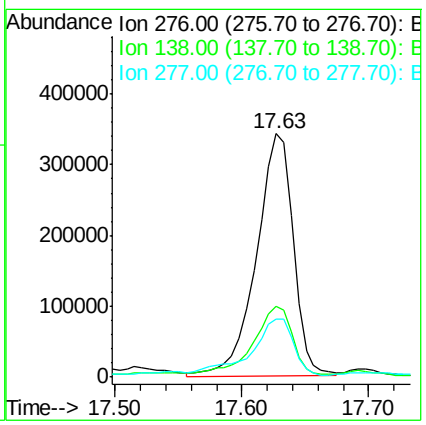


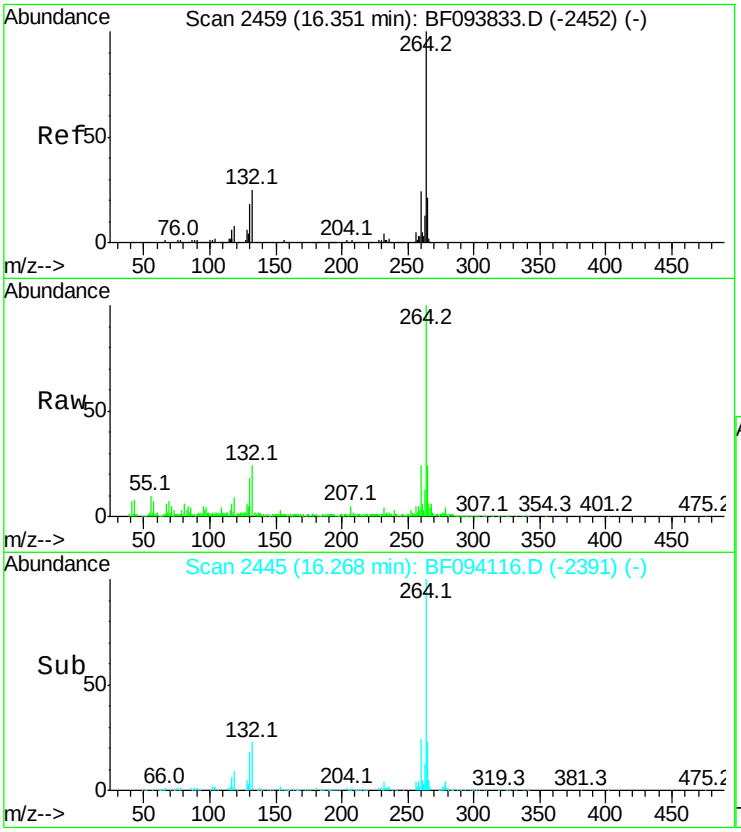


#85
Indeno(1,2,3-cd)pyrene
Concen: 51.14 ng
RT: 17.63 min Scan# 2676
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:276 Resp: 692568

Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	27.7	20.2	30.4



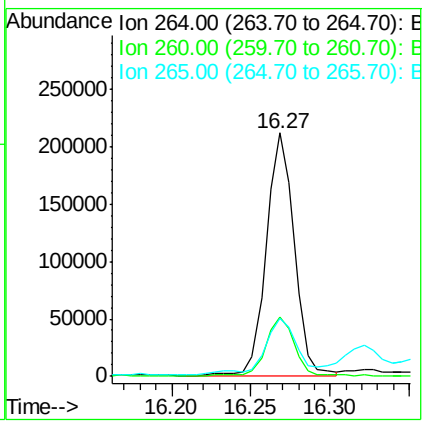


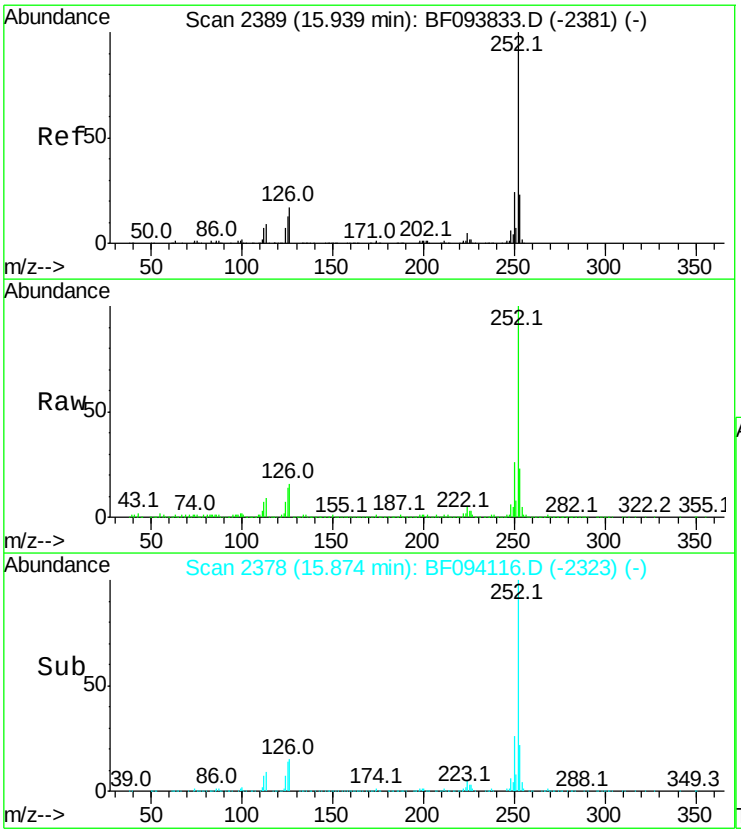
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2445
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:264 Resp: 259307

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.8	17.2	25.8

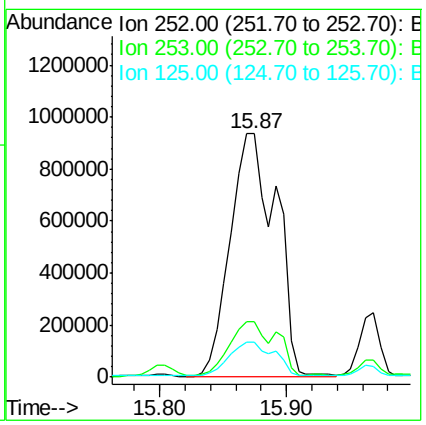


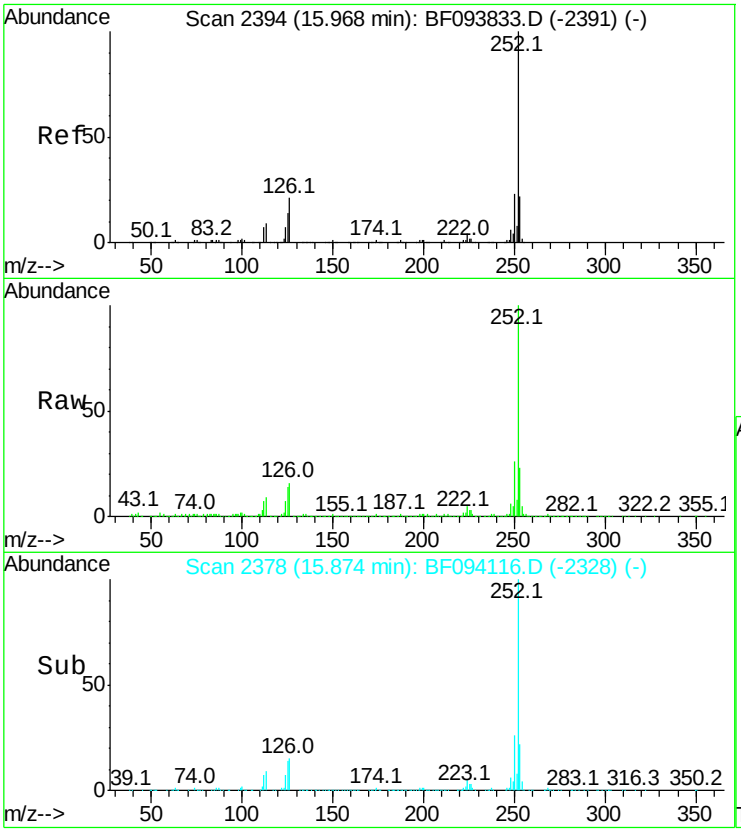


#87
Benzo(b)fluoranthene
Concen: 147.40 ng
RT: 15.87 min Scan# 2378
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:252 Resp: 2342875

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	14.4	9.8	14.8



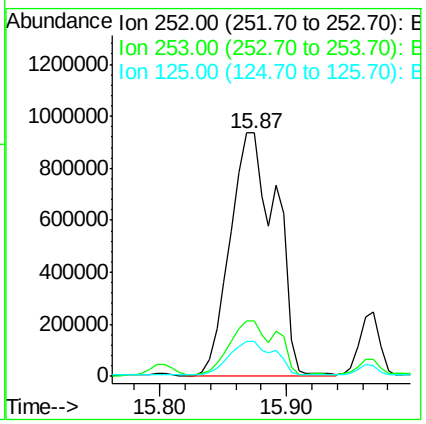


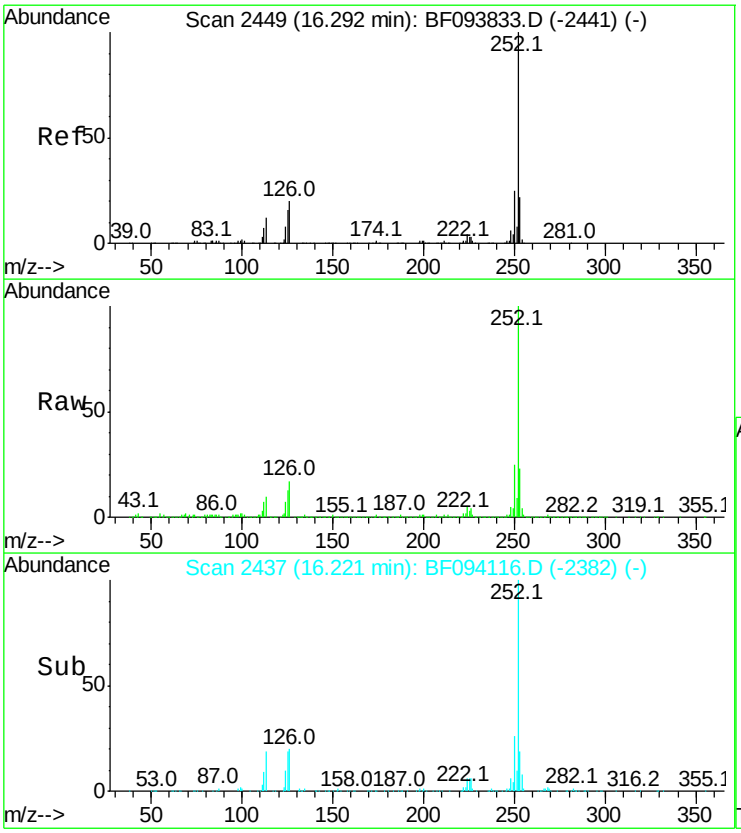
#88
Benzo(k)fluoranthene
Concen: 150.65 ng
RT: 15.87 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:252 Resp: 2342875

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	14.4	13.1	19.7

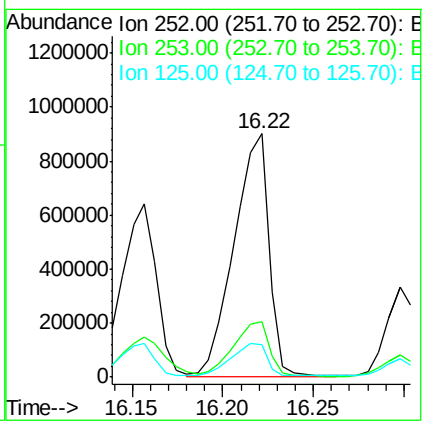


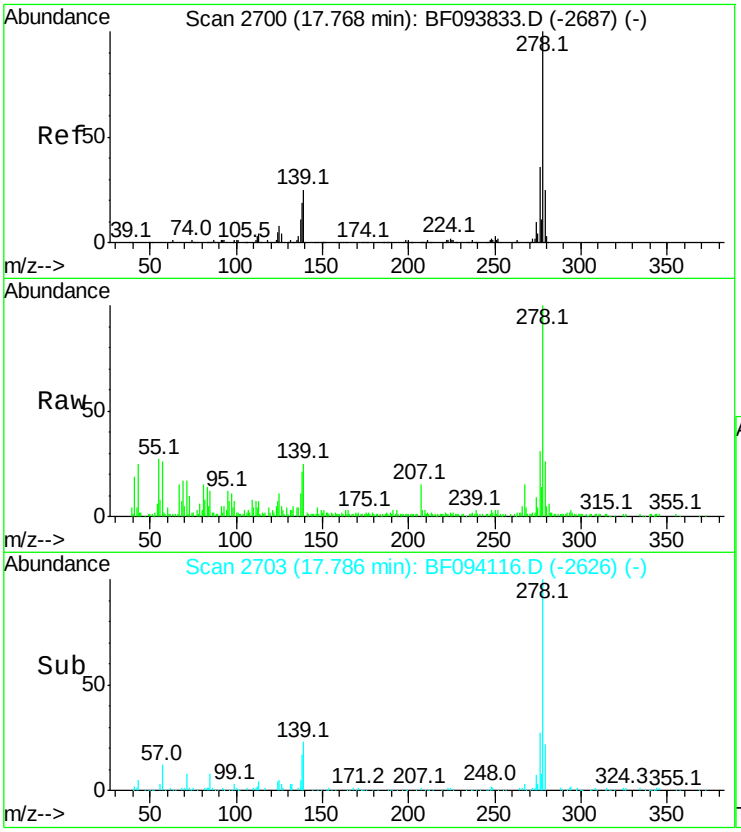


#89
Benzo(a)pyrene
Concen: 82.23 ng
RT: 16.22 min Scan# 2437
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:252 Resp: 1203592

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	13.4	11.0	16.4



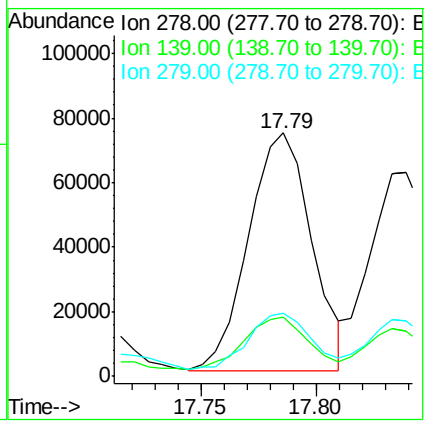


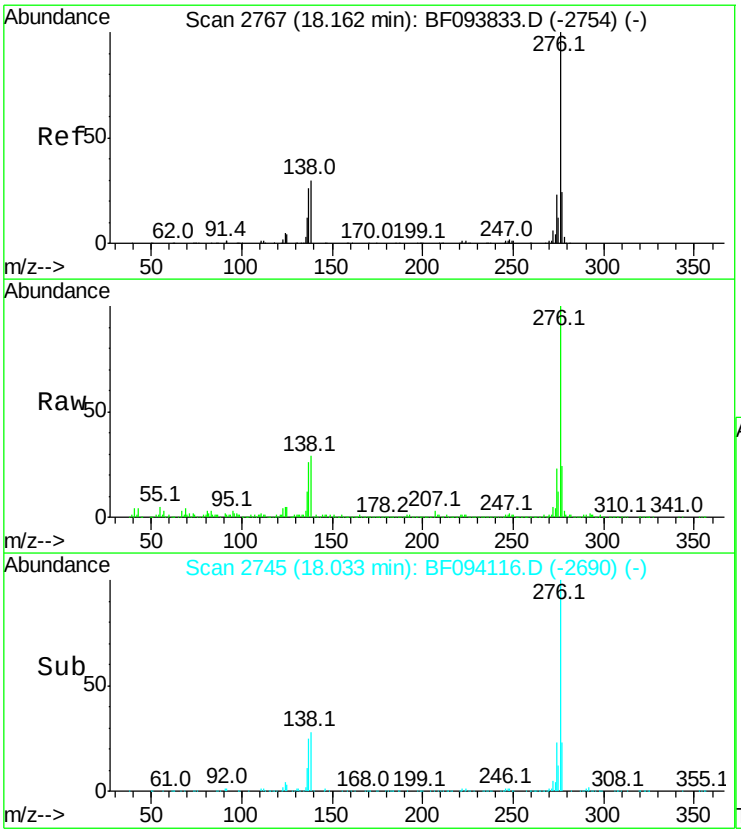
#90
Dibenzo(a,h)anthracene
Concen: 11.32 ng
RT: 17.79 min Scan# 2703
Delta R.T. 0.15 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Instrument :
BNA_F
ClientSampleId :
B-42-S1(1.0-1.5)

Tgt Ion:278 Resp: 140383

Ion	Ratio	Lower	Upper
278	100		
139	24.6	16.6	24.8
279	26.0	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 50.97 ng
RT: 18.03 min Scan# 2745
Delta R.T. 0.02 min
Lab File: BF094116.D
Acq: 1 Apr 2017 2:45

Tgt Ion:276 Resp: 636691

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	29.2	25.4	38.0