Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
Data File : BF094656.D
Acq On : 26 Apr 2017 19:28
Operator : SJ/MA
Sample : I2821-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB426A

Quant Time: Apr 27 05:25:11 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	5.75	152	128515	20.00	ng		-0.01
21) Naphthalene-d8	7.25	136	520288	20.00	ng		-0.01
38) Acenaphthene-d10	9.38	164	224215	20.00	ng		-0.01
63) Phenanthrene-d10	11.21	188	359686	20.00	ng		-0.01
75) Chrysene-d12	14.47	240	246476	20.00	ng		0.00
86) Perylene-d12	16.10	264	234156	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.30	112	651664	84.13	ng		0.00
7) Phenol-d6	5.38	99	819015	89.69	ng		-0.01
23) Nitrobenzene-d5	6.40	82	499570	59.29	ng		-0.01
41) 2,4,6-Tribromophenol	10.37	330	141348	80.60	ng		0.00
44) 2-Fluorobiphenyl	8.57	172	905120	59.40	ng		-0.01
78) Terphenyl-d14	13.19	244	593825	64.40	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.27	128	204135	8.16	ng		99
37) 2-Methylnaphthalene	8.11	142	73128	4.27	ng		98
48) Acenaphthylene	9.21	152	140701	6.20	ng		98
49) Dimethylphthalate	9.07	163	124150	7.43	ng		99
51) Acenaphthene	9.43	154	1109940	81.61	ng		100
54) Dibenzofuran	9.64	168	1146286	57.99	ng		99
57) Fluorene	10.07	166	1197378	77.79	ng		99
70) Phenanthrene	11.25	178	2472887	122.09	ng		100
71) Anthracene	11.31	178	1440904	68.77	ng		99
72) Carbazole	11.51	167	155372	7.90	ng		98
74) Fluoranthene	12.72	202	2111677	100.59	ng		99
77) Pyrene	12.99	202	2077110	120.62	ng		100
80) Benzo(a)anthracene	14.46	228	845978	59.05	ng		96
82) Chrysene	14.50	228	752024m	57.44	ng		
85) Indeno(1,2,3-cd)pyrene	17.39	276	359157	28.83	ng		95
87) Benzo(b)fluoranthene	15.70	252	819830m	57.23	ng		
88) Benzo(k)fluoranthene	15.72	252	237394m	17.51	ng		
89) Benzo(a)pyrene	16.05	252	696264	52.25	ng		95
90) Dibenzo(a,h)anthracene	17.39	278	105013	9.49	ng	#	86
91) Benzo(g,h,i)perylene	17.77	276	451583	40.09	ng		98

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

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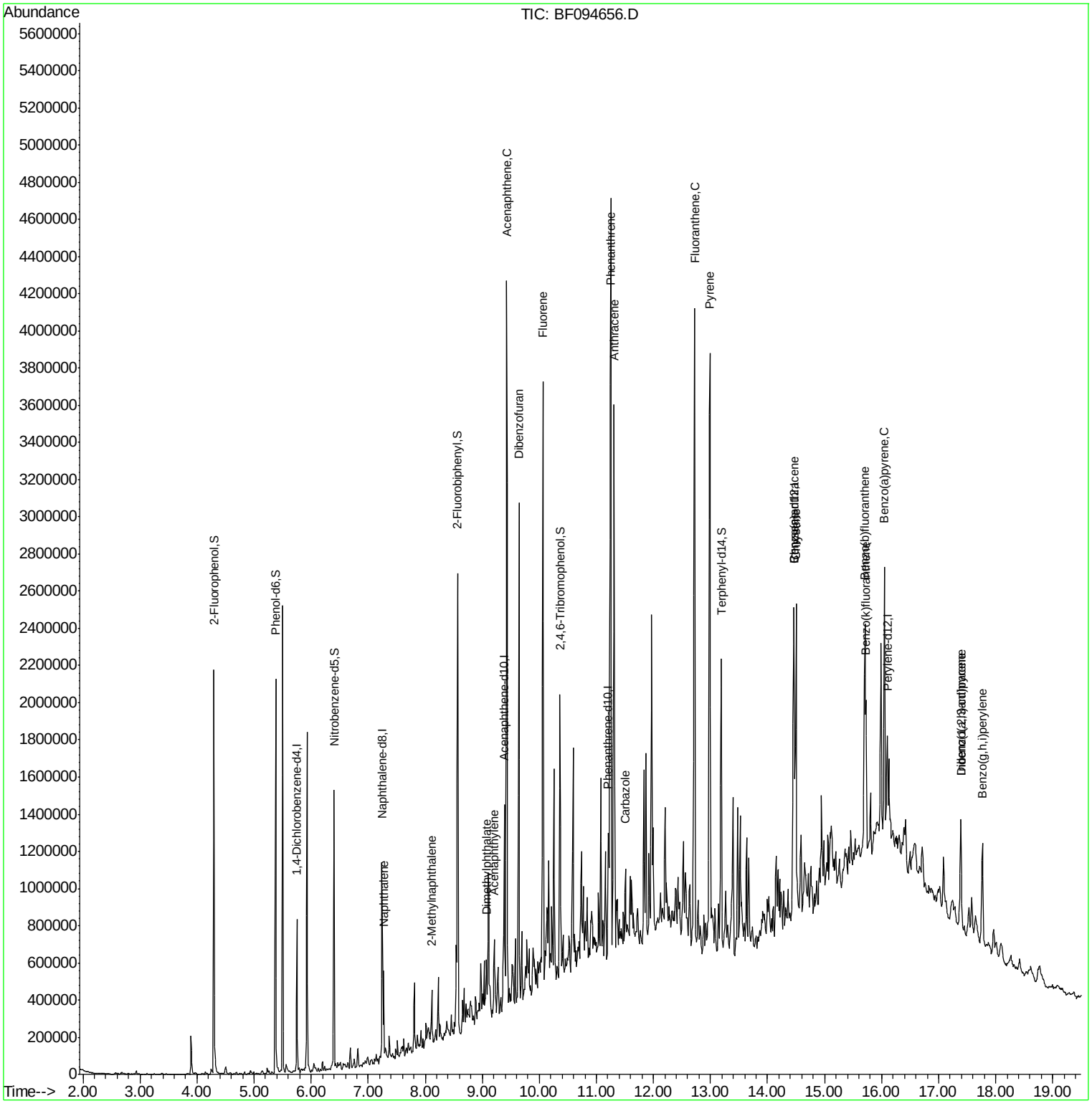
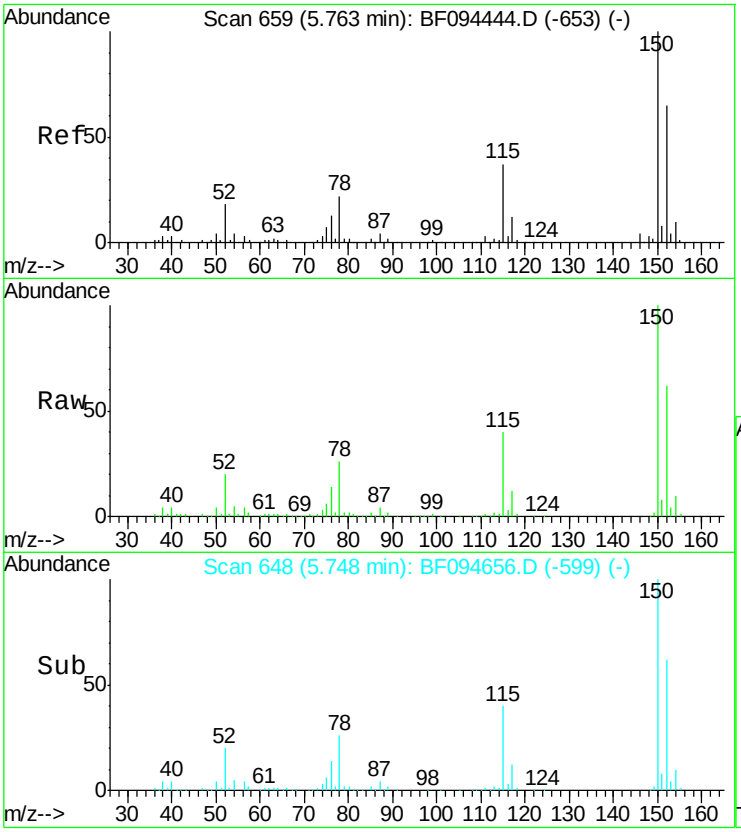


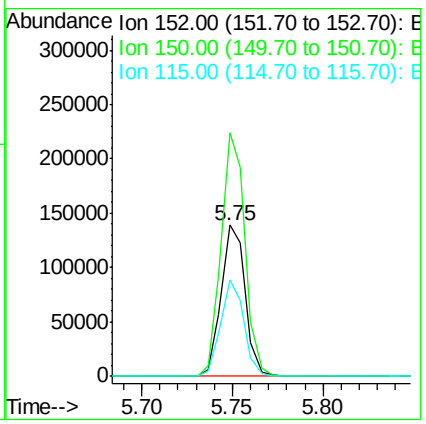


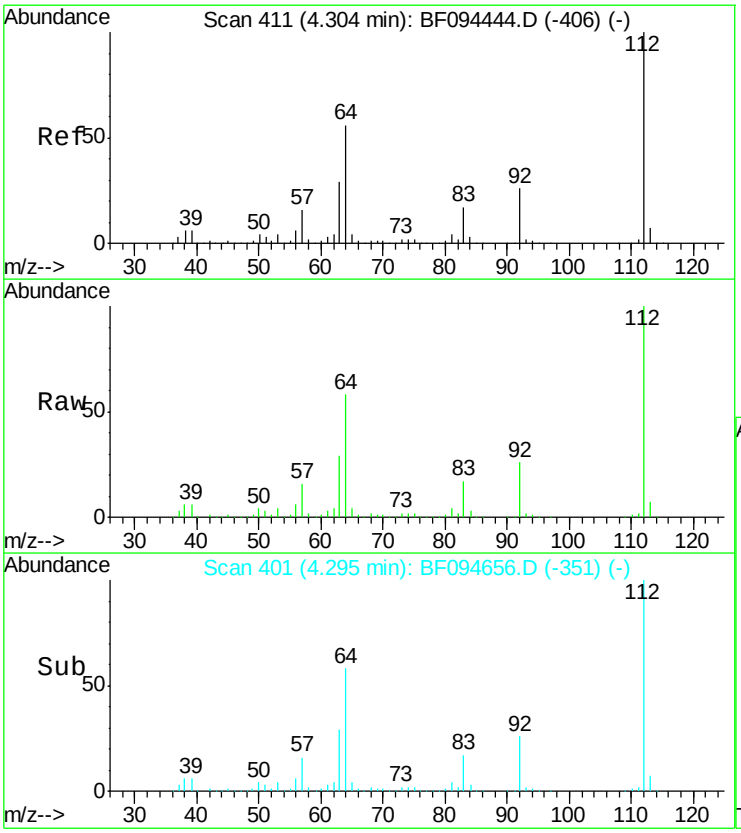
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:152 Resp: 128515

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.2
115	64.0	52.2	78.2

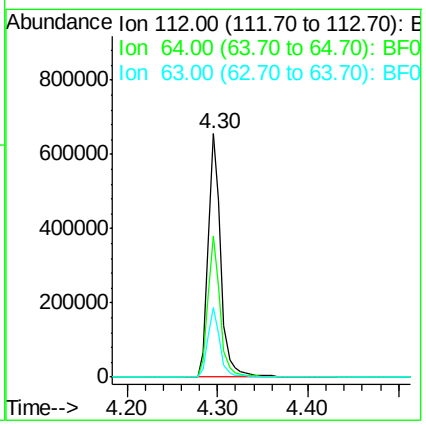


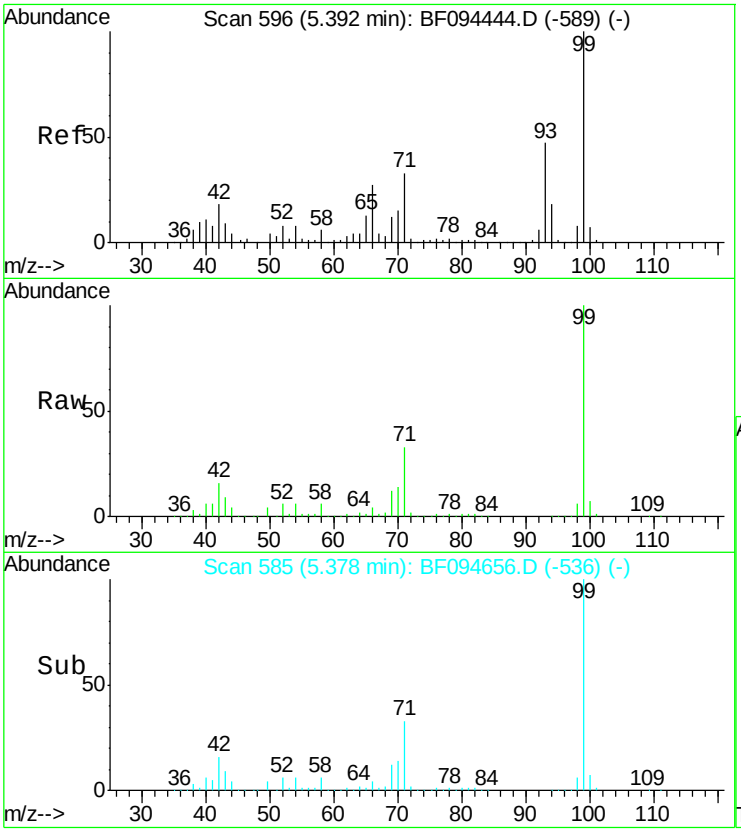


#5
2-Fluorophenol
Concen: 84.13 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:112 Resp: 651664

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	28.8	23.4	35.0



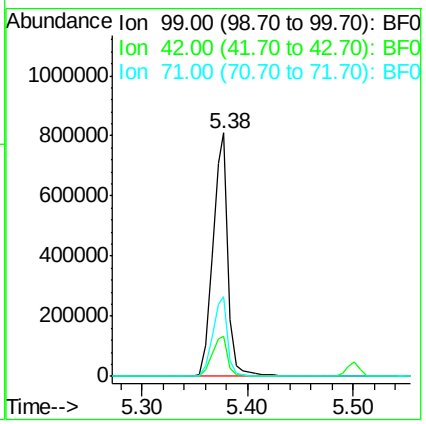


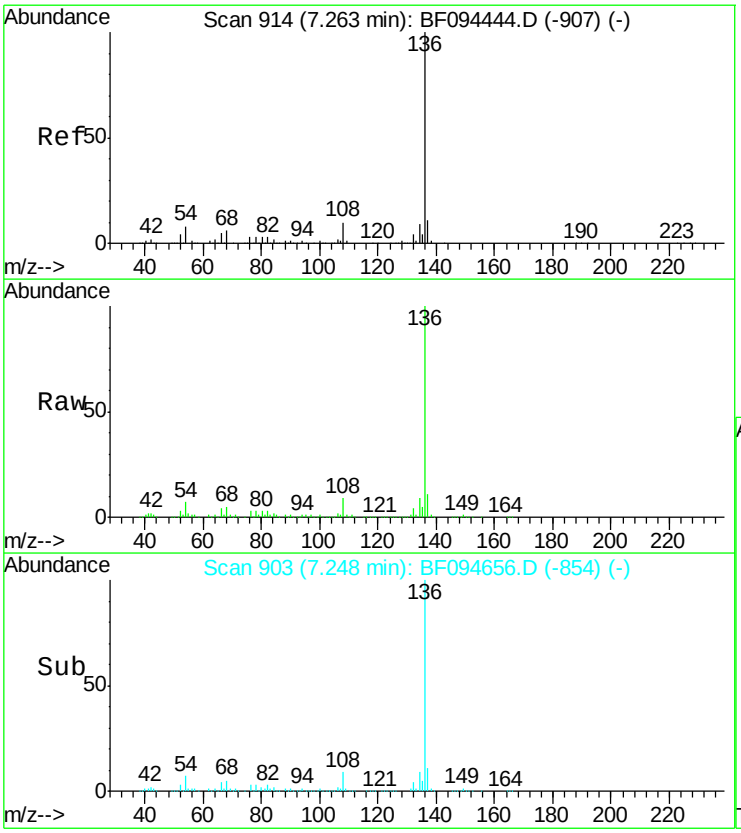
#7
Phenol-d6
Concen: 89.69 ng
RT: 5.38 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion: 99 Resp: 819015

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	32.5	24.5	36.7

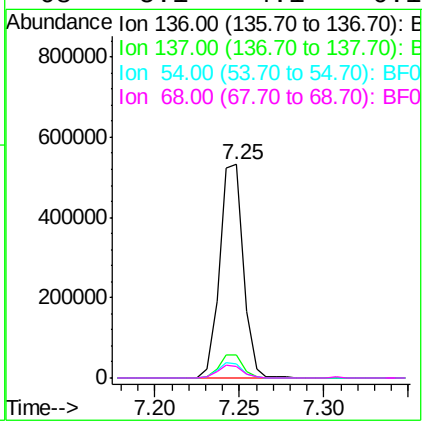


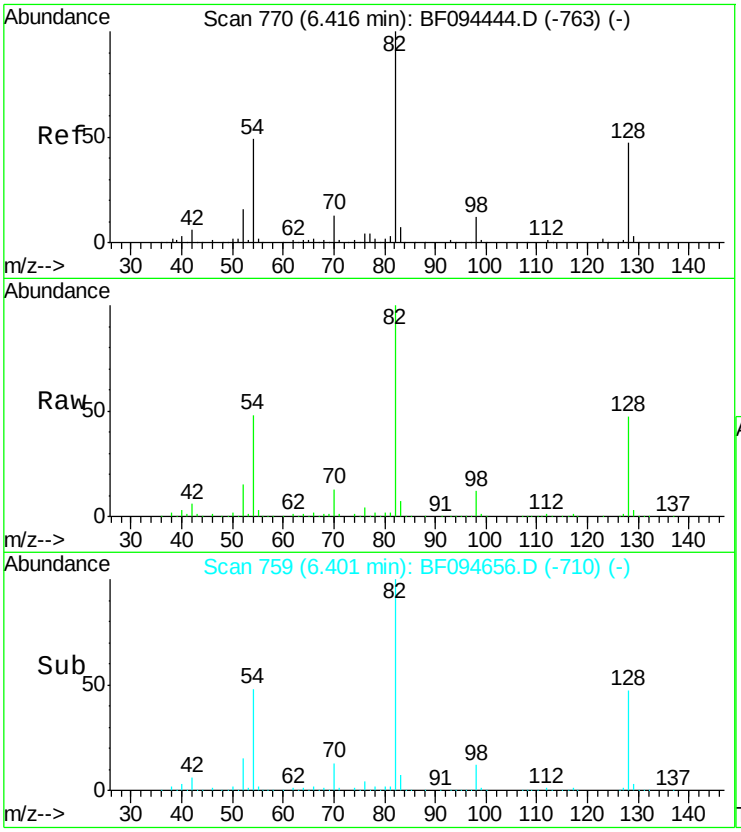


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:136 Resp: 520288

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.6	4.9	7.3
68	5.1	4.1	6.1



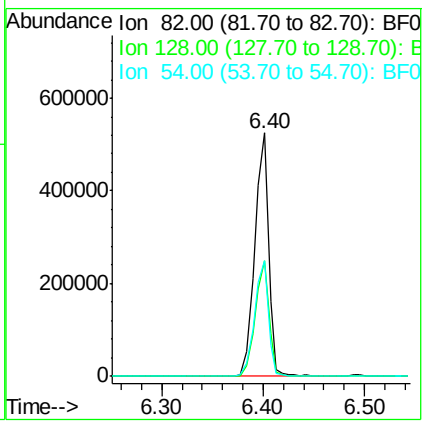


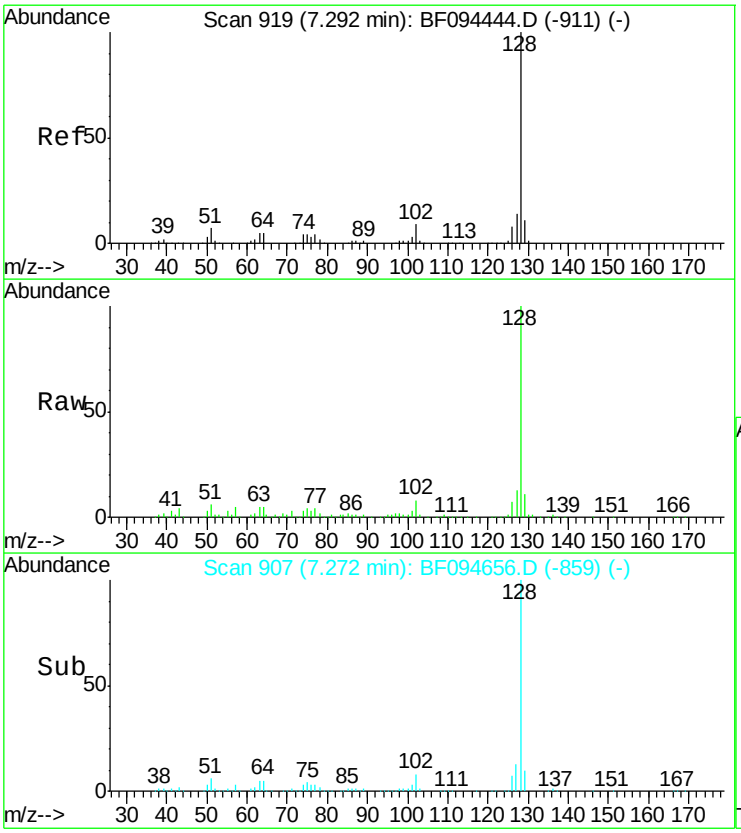
#23
Nitrobenzene-d5
Concen: 59.29 ng
RT: 6.40 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion: 82 Resp: 499570

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.0	51.0
54	47.7	42.2	63.2

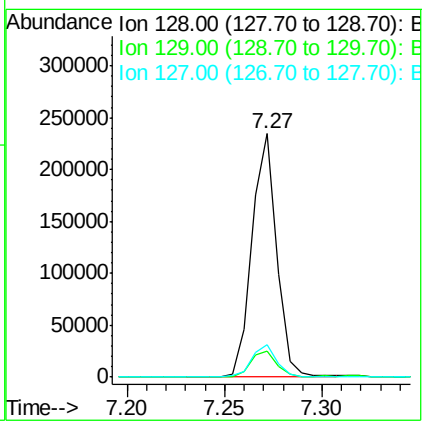


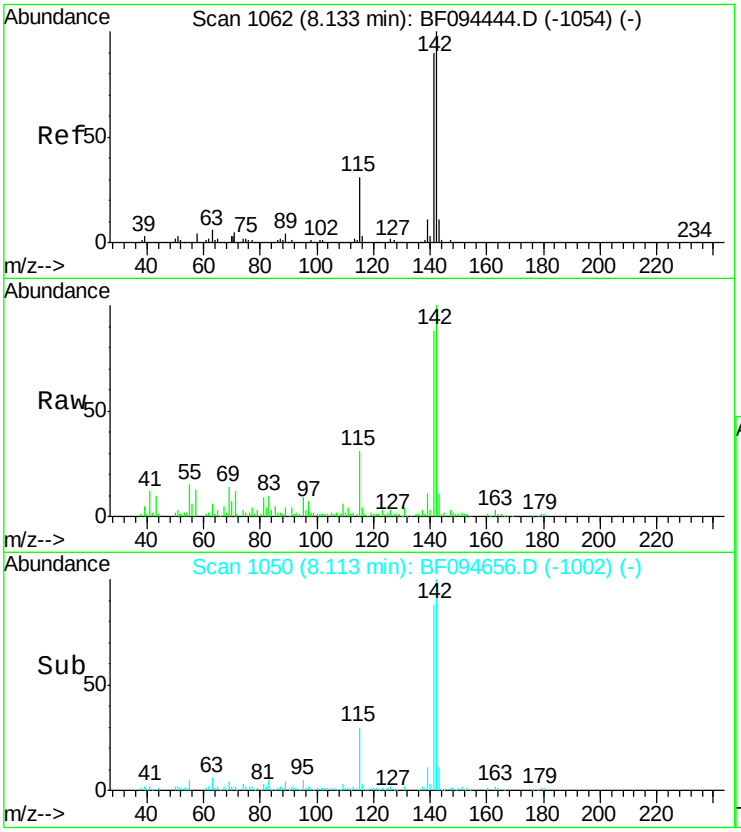


#31
Naphthalene
Concen: 8.16 ng
RT: 7.27 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:128 Resp: 204135

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	13.4	10.8	16.2



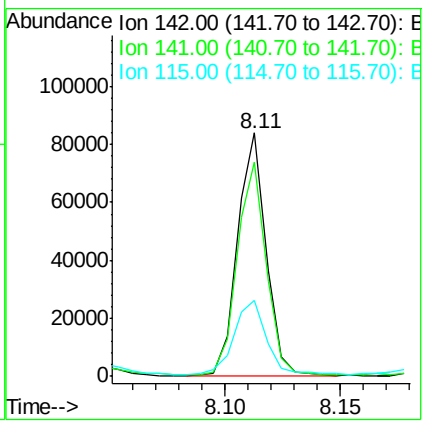


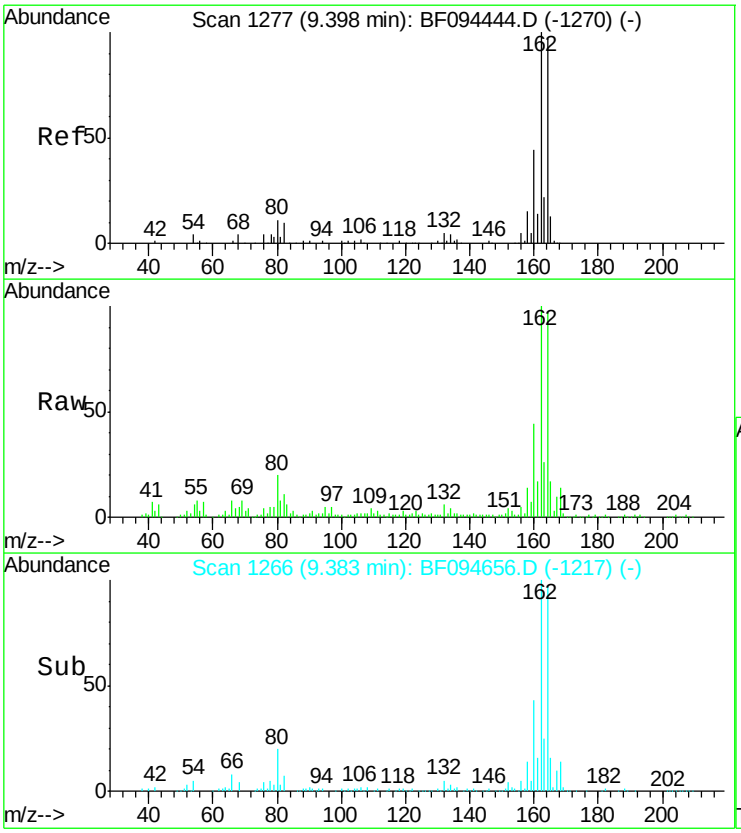
#37
2-Methylnaphthalene
Concen: 4.27 ng
RT: 8.11 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:142 Resp: 73128

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	31.0	27.1	40.7

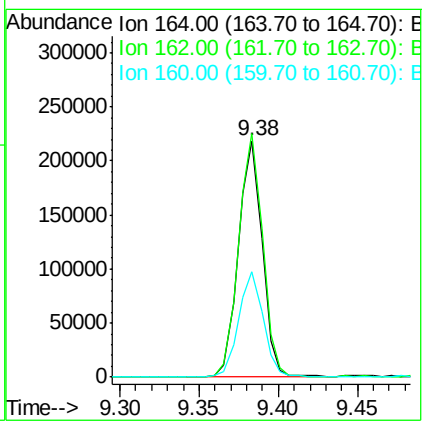


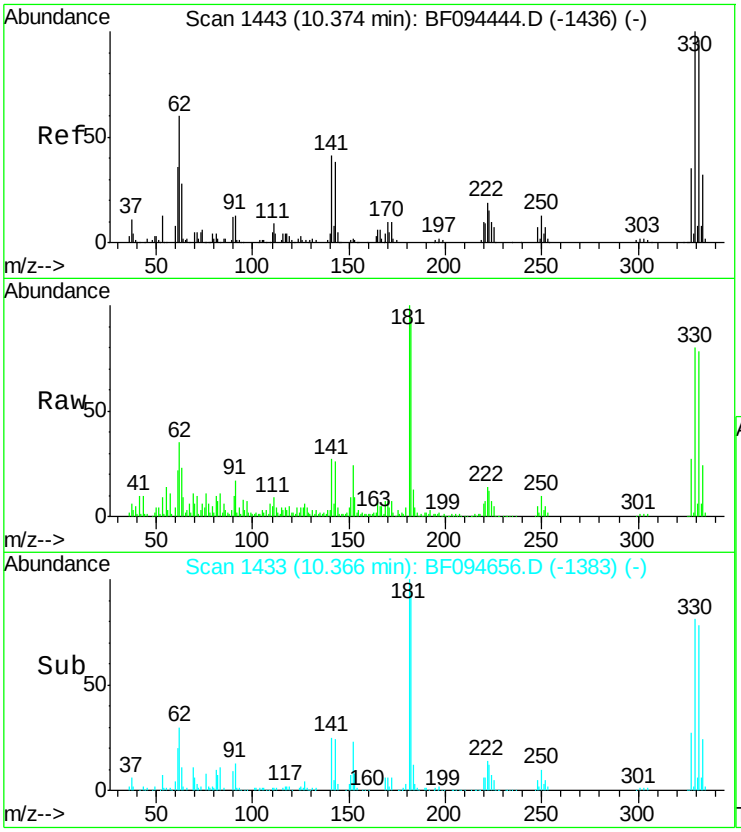


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:164 Resp: 224215

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	44.9	36.2	54.2



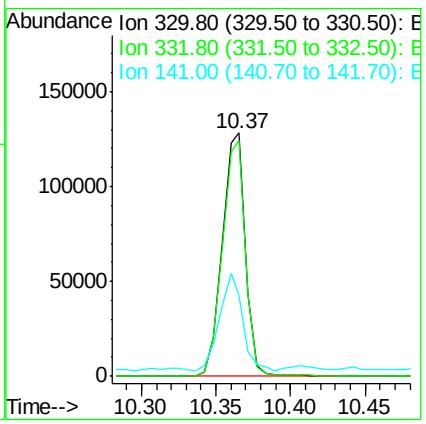


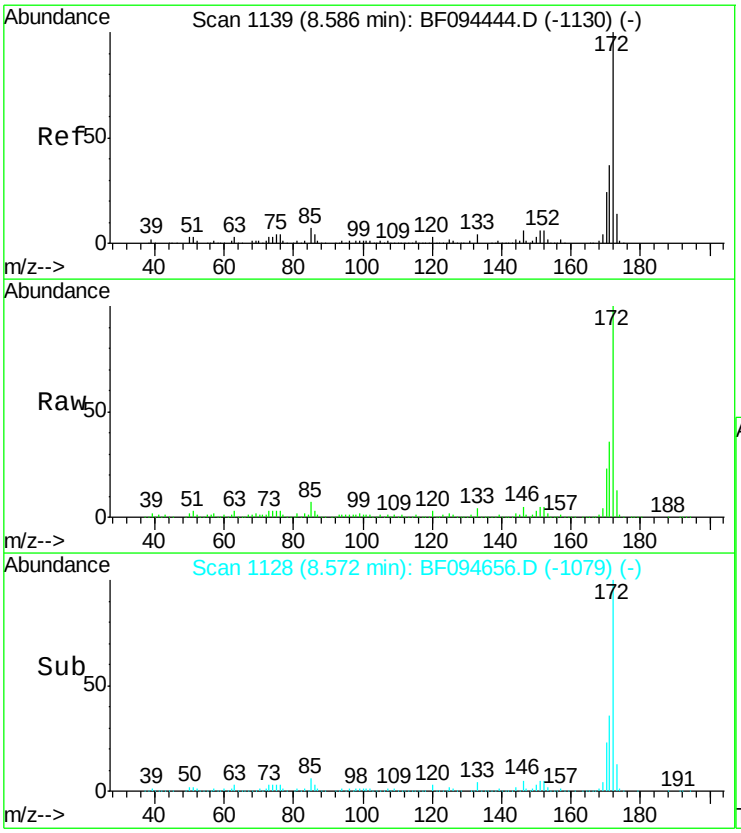
#41
2,4,6-Tribromophenol
Concen: 80.60 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:330 Resp: 141348

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	39.1	31.4	47.2

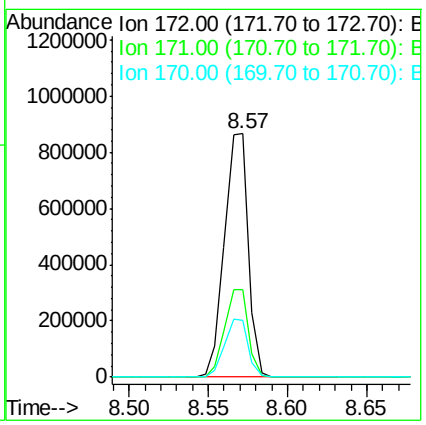


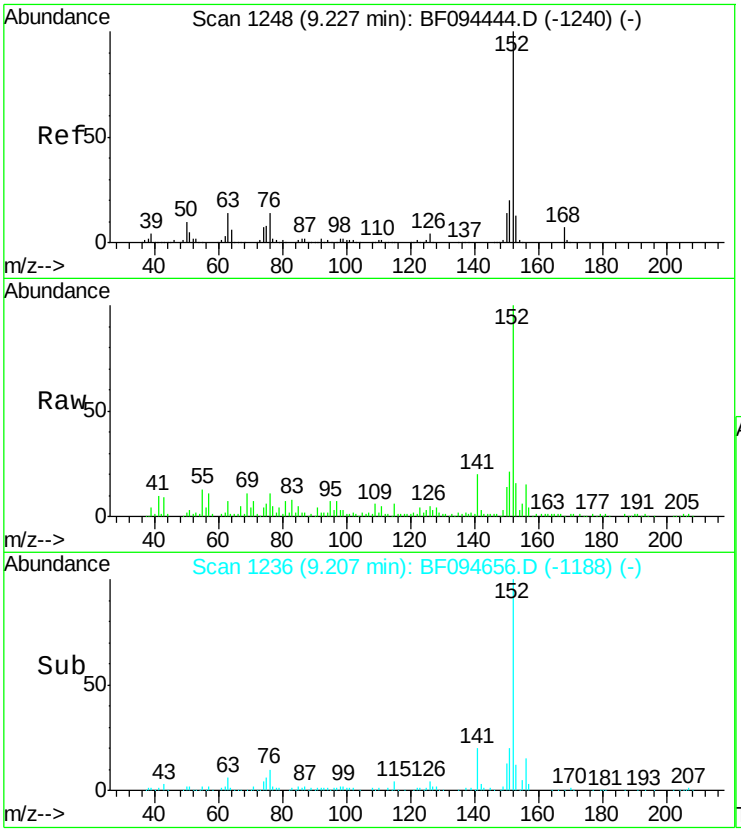


#44
2-Fluorobiphenyl
Concen: 59.40 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:172 Resp: 905120

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.4	19.8	29.8



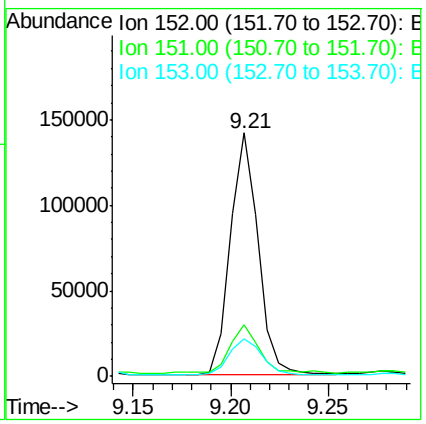


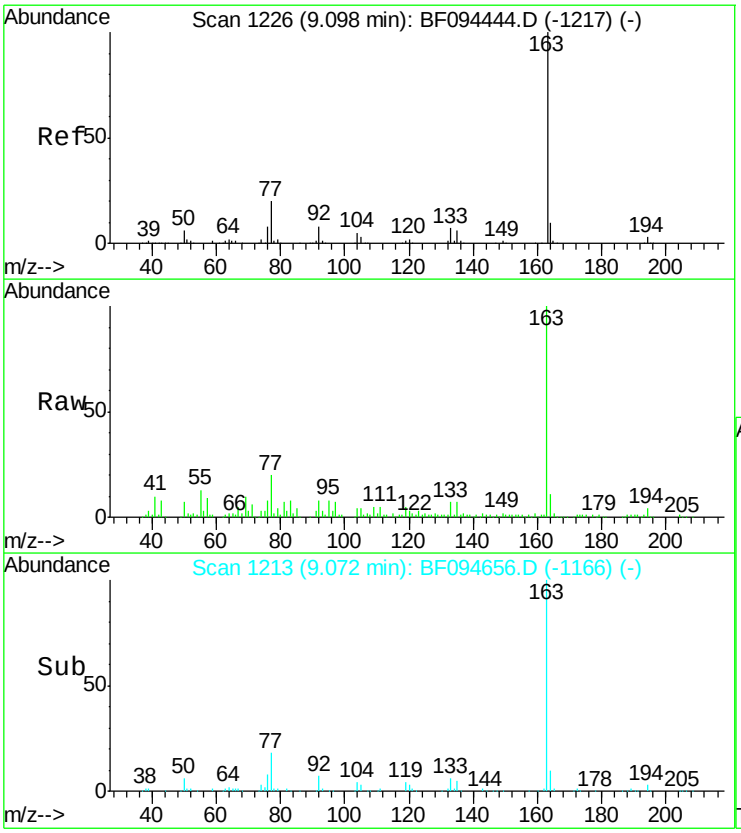
#48
Acenaphthylene
Concen: 6.20 ng
RT: 9.21 min Scan# 1236
Delta R.T. -0.02 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:152 Resp: 140701

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.8	25.2
153	15.5	10.8	16.2

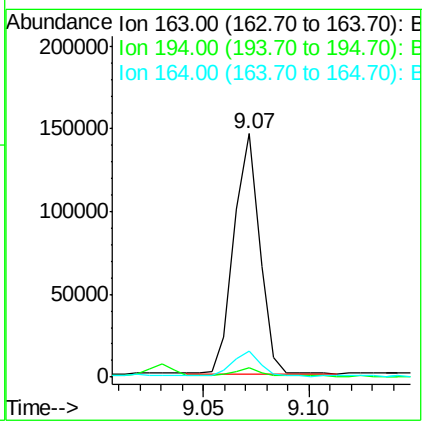


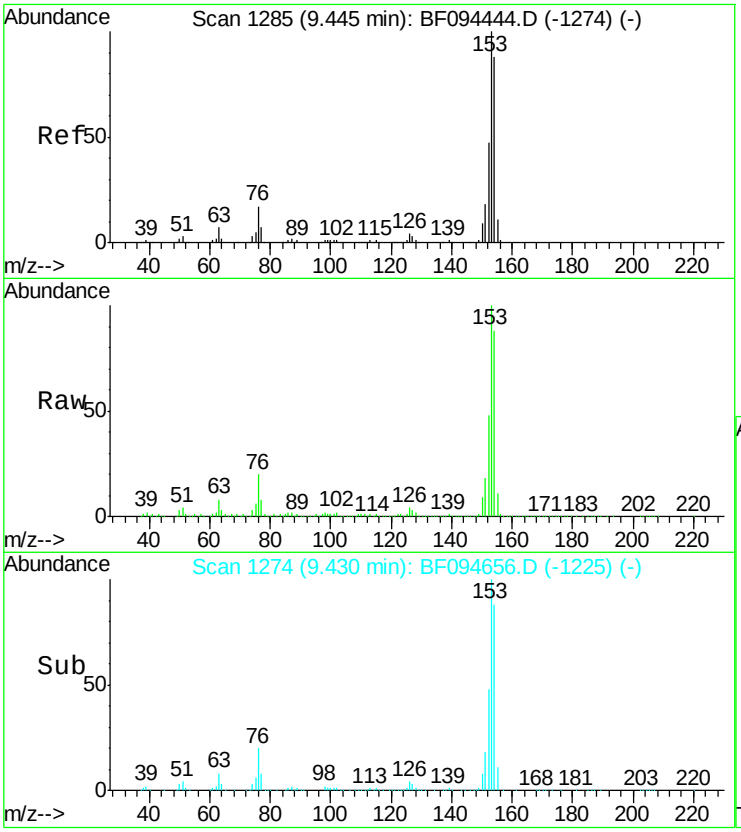


#49
Dimethylphthalate
Concen: 7.43 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:163 Resp: 124150

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.7	8.4	12.6



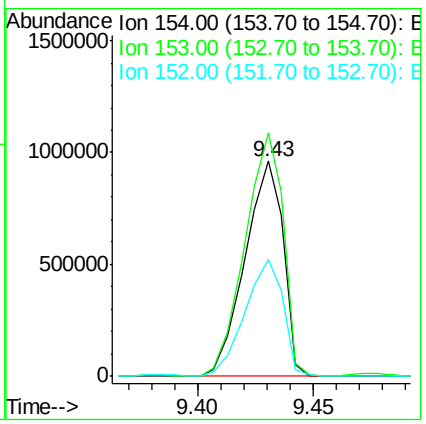


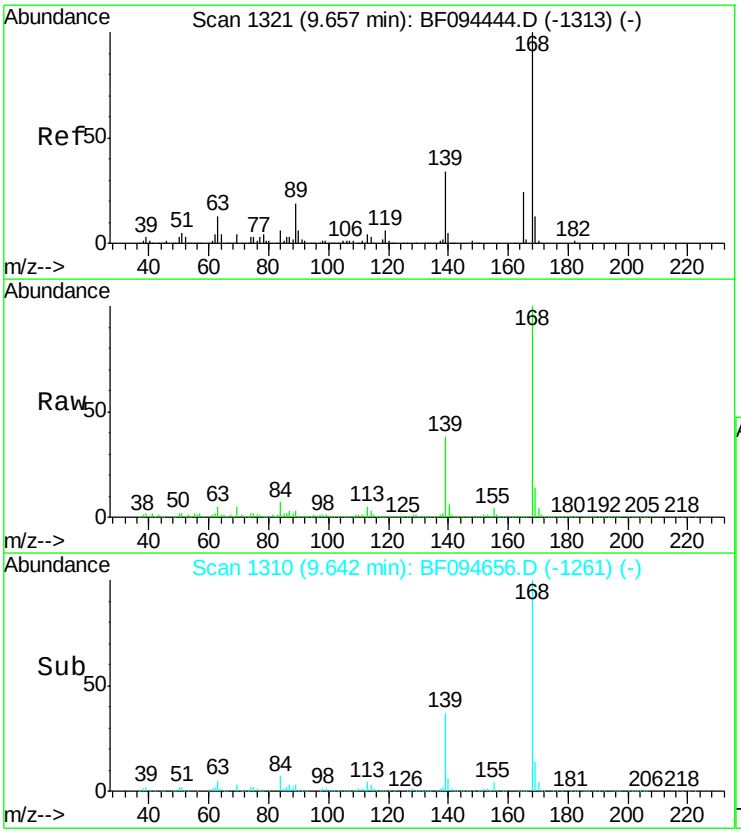
#51
Acenaphthene
Concen: 81.61 ng
RT: 9.43 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:154 Resp: 1109940

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.5	135.7
152	54.5	43.6	65.4

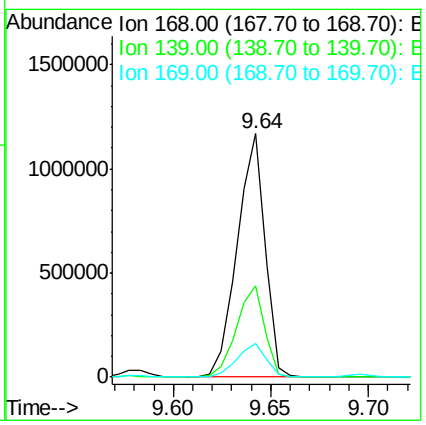


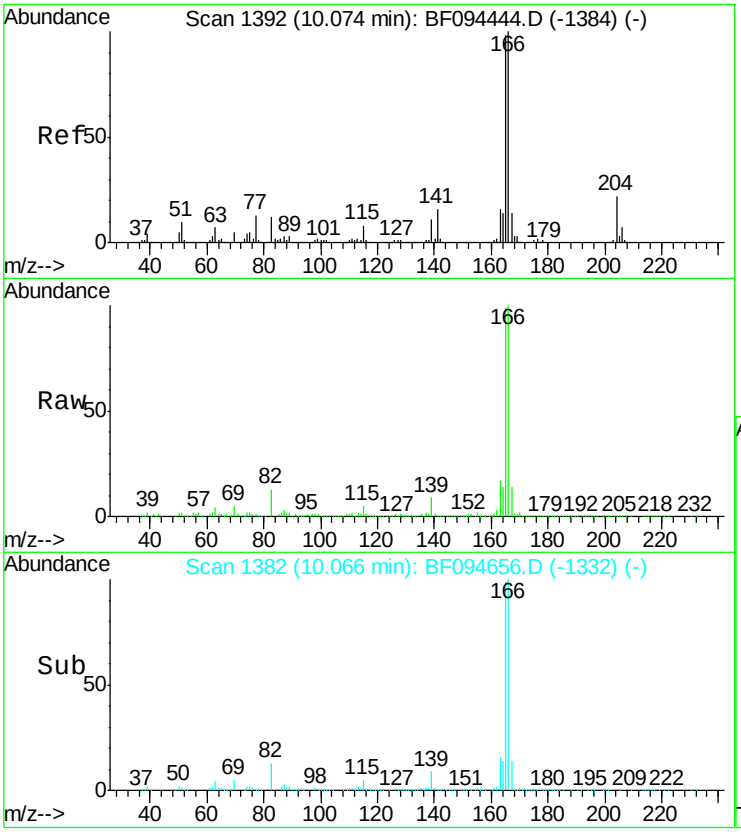


#54
Dibenzofuran
Concen: 57.99 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:168 Resp: 1146286

Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.6	45.8
169	14.0	10.8	16.2



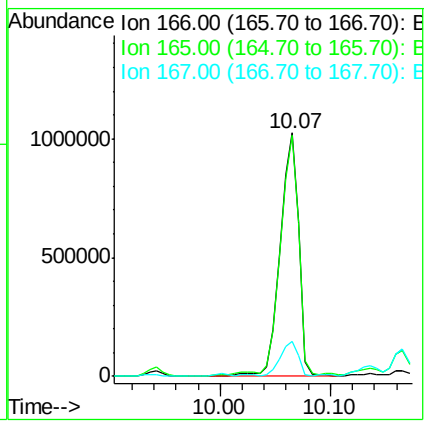


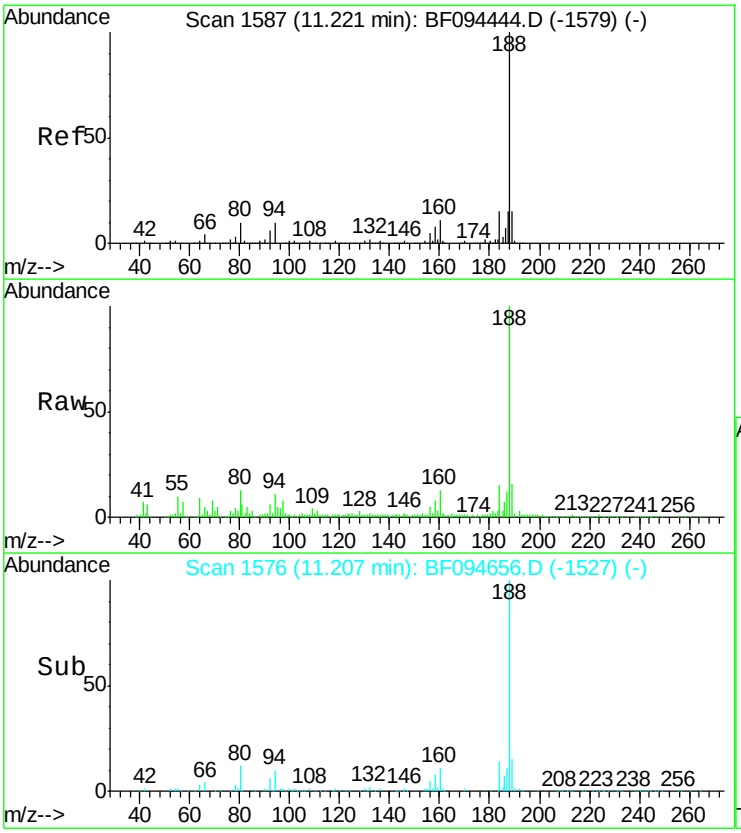
#57
Fluorene
Concen: 77.79 ng
RT: 10.07 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:166 Resp: 1197378

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.8	118.2
167	14.2	10.6	16.0

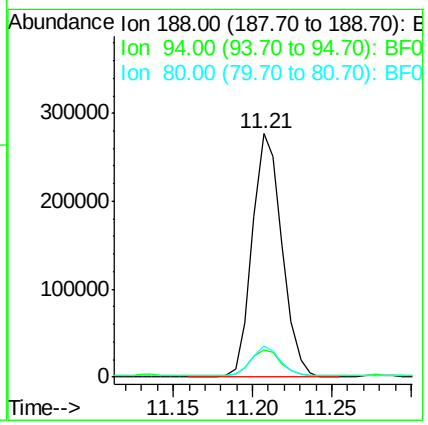


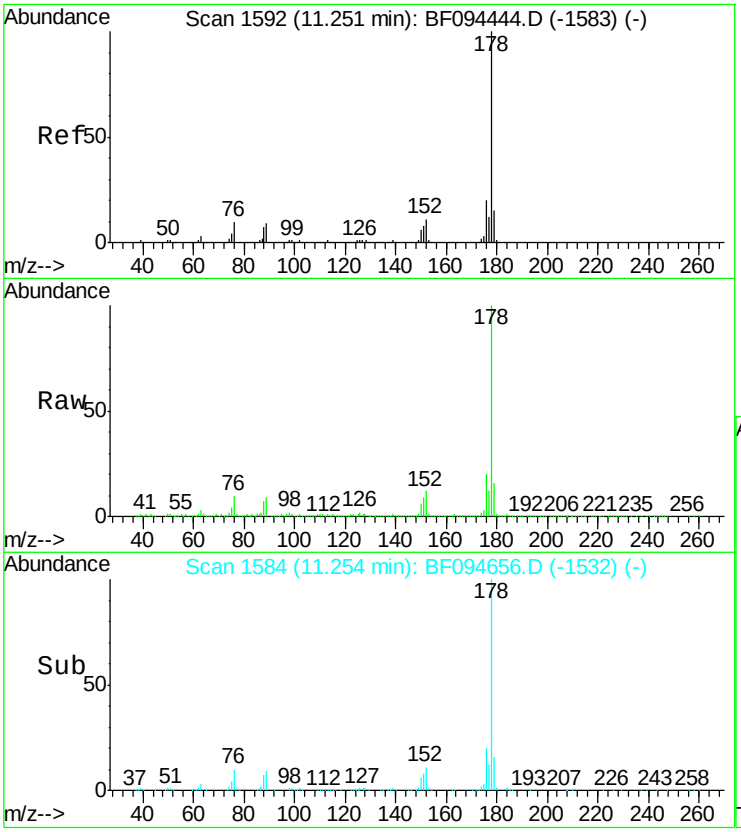


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:188 Resp: 359686

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	12.5	10.2	15.2



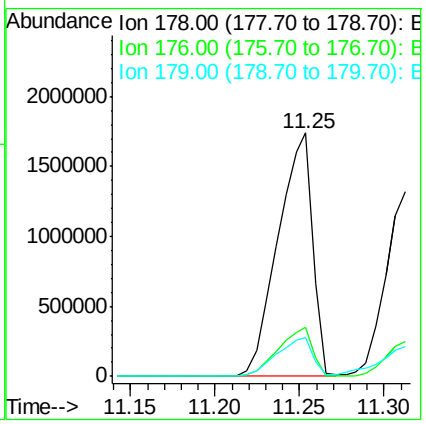


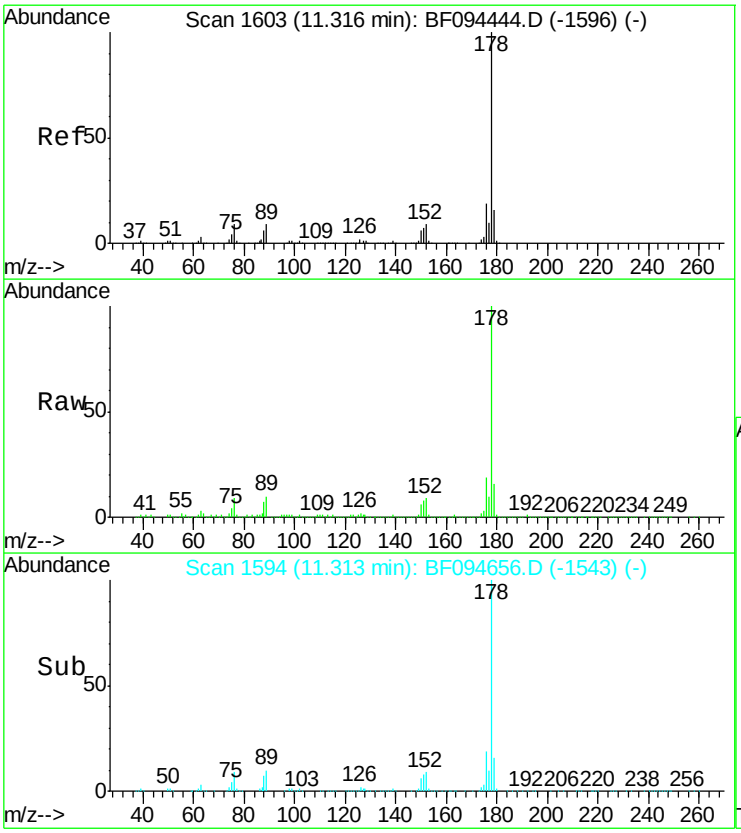
#70
Phenanthrene
Concen: 122.09 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:178 Resp: 2472887

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.9	12.6	19.0

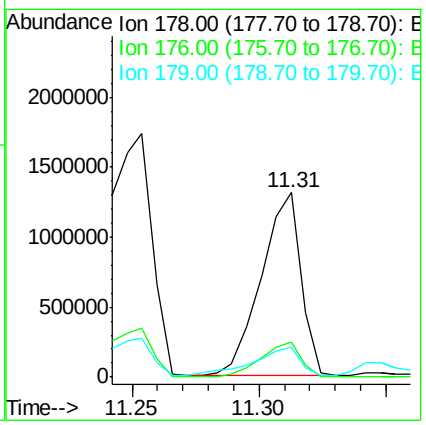


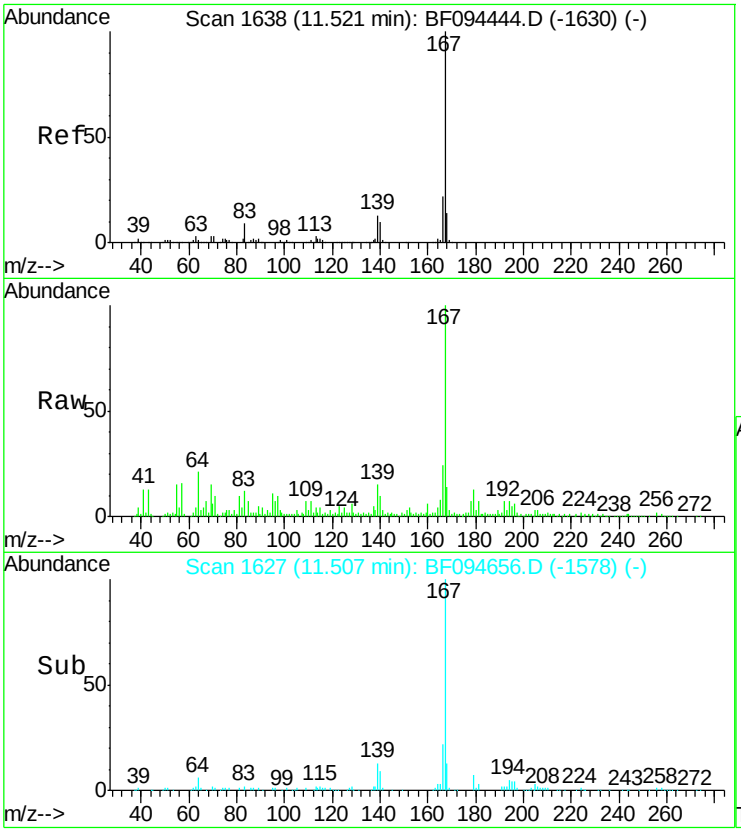


#71
Anthracene
Concen: 68.77 ng
RT: 11.31 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:178 Resp: 1440904

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.0	12.7	19.1



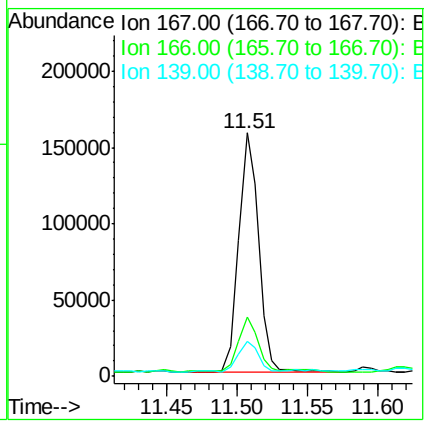


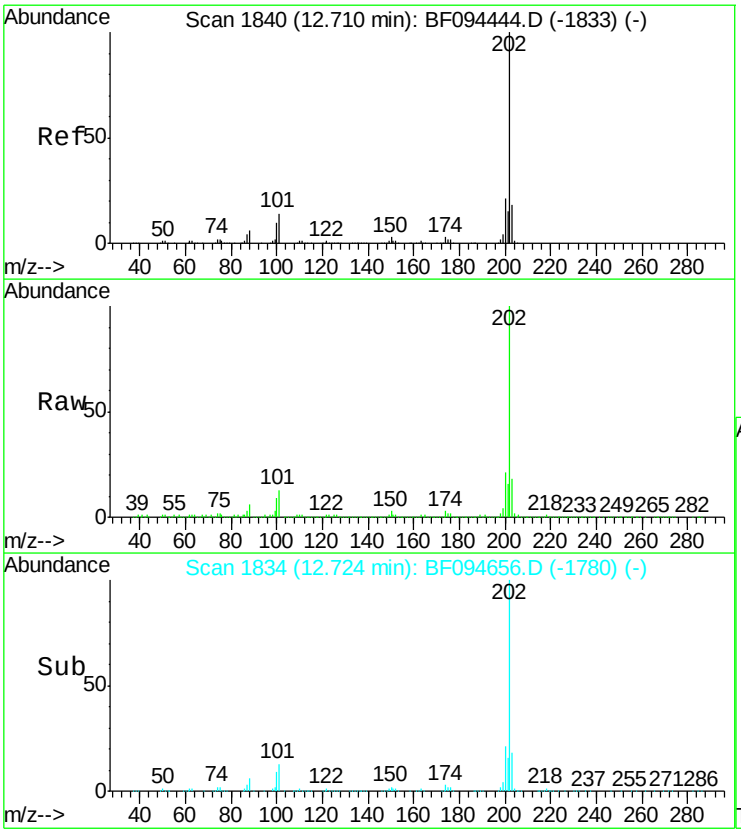
#72
Carbazole
Concen: 7.90 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:167 Resp: 155372

Ion	Ratio	Lower	Upper
167	100		
166	24.2	18.1	27.1
139	14.6	11.7	17.5

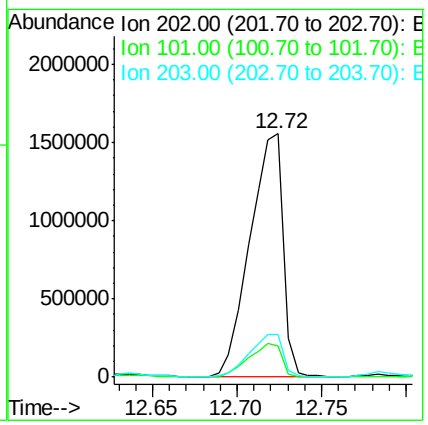


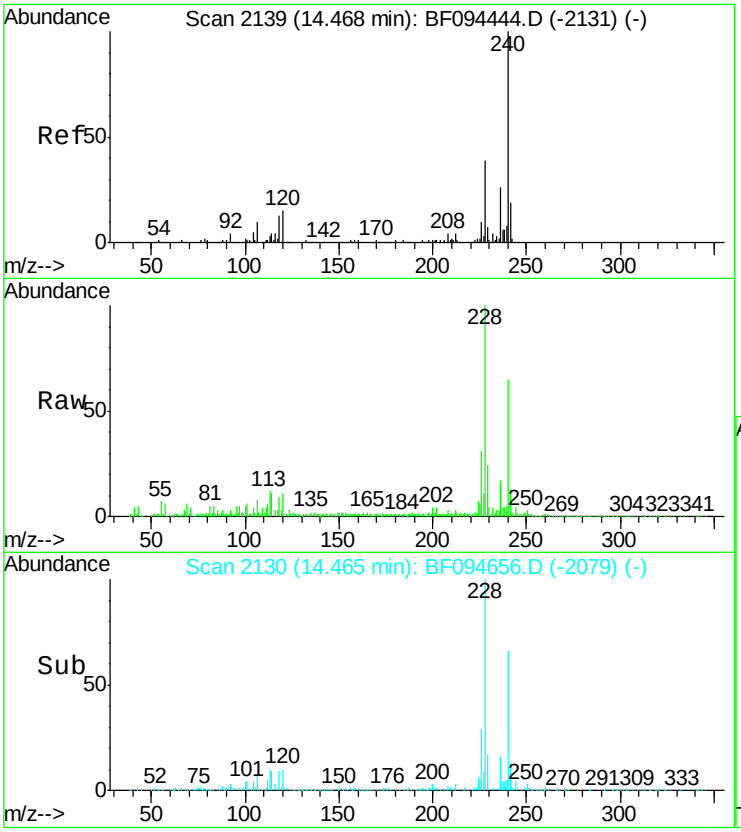


#74
Fluoranthene
Concen: 100.59 ng
RT: 12.72 min Scan# 1834
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:202 Resp: 2111677

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.8	0.0	38.1



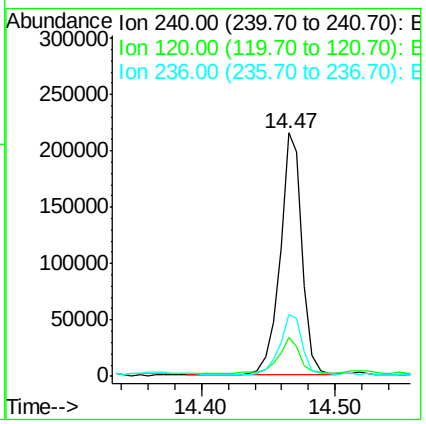


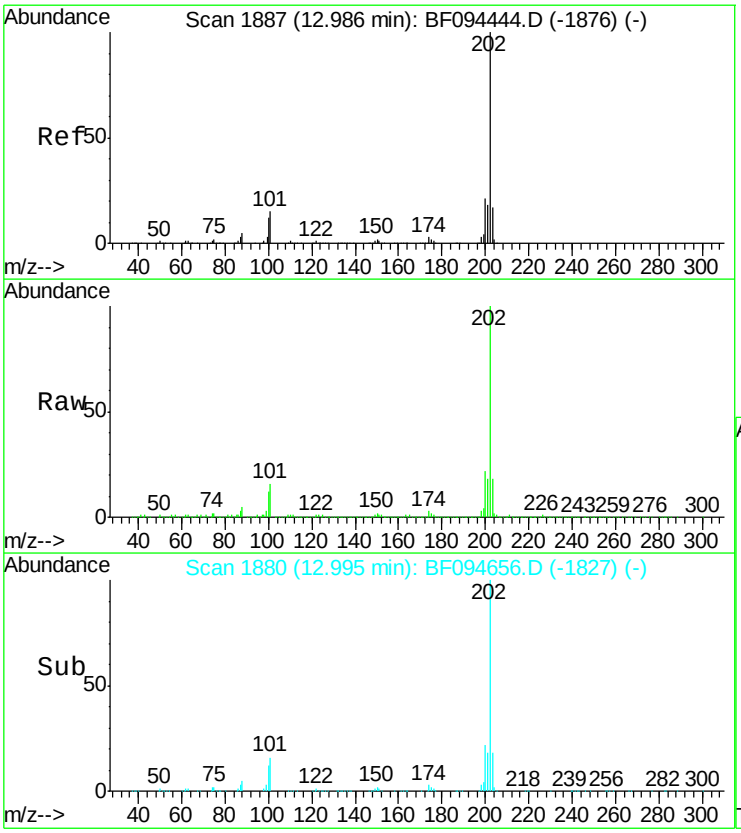
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:240 Resp: 246476

Ion	Ratio	Lower	Upper
240	100		
120	16.1	5.8	8.8#
236	25.5	20.5	30.7

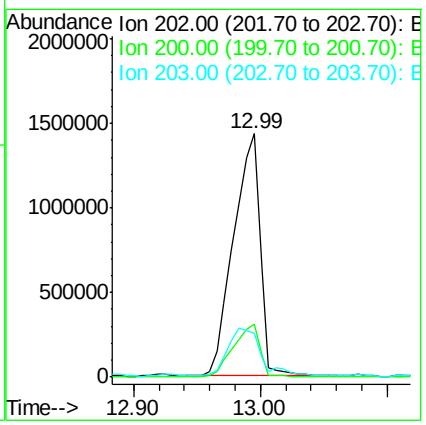


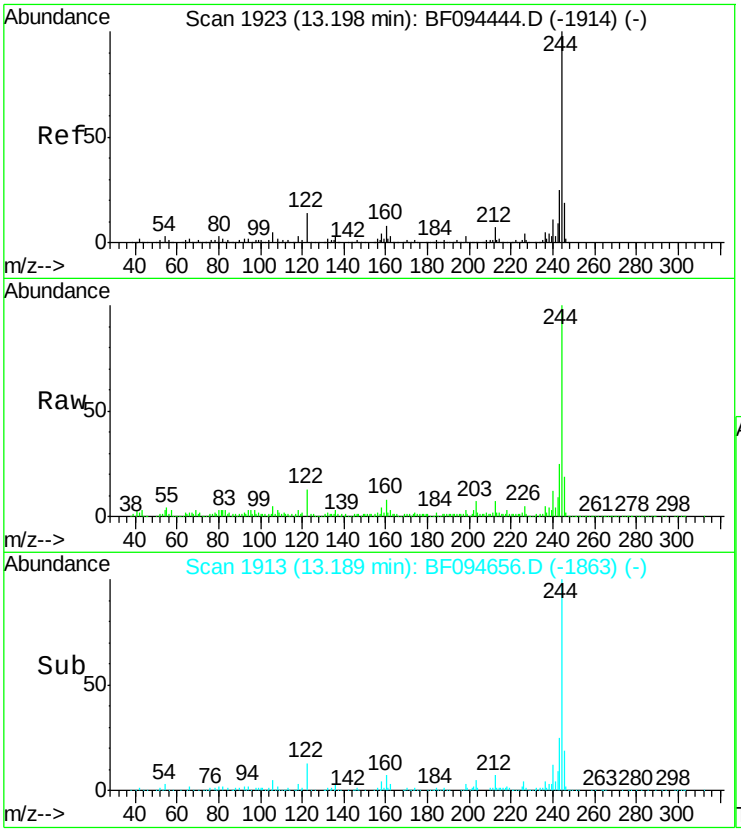


#77
Pyrene
Concen: 120.62 ng
RT: 12.99 min Scan# 1880
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:202 Resp: 2077110

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.9	14.4	21.6



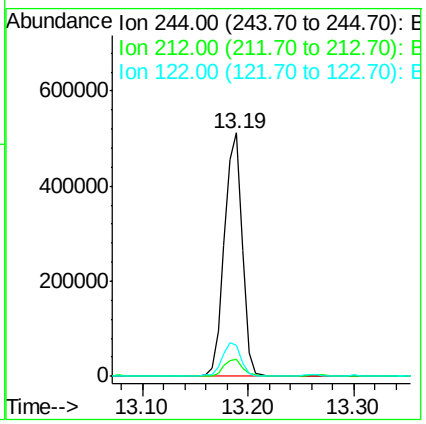


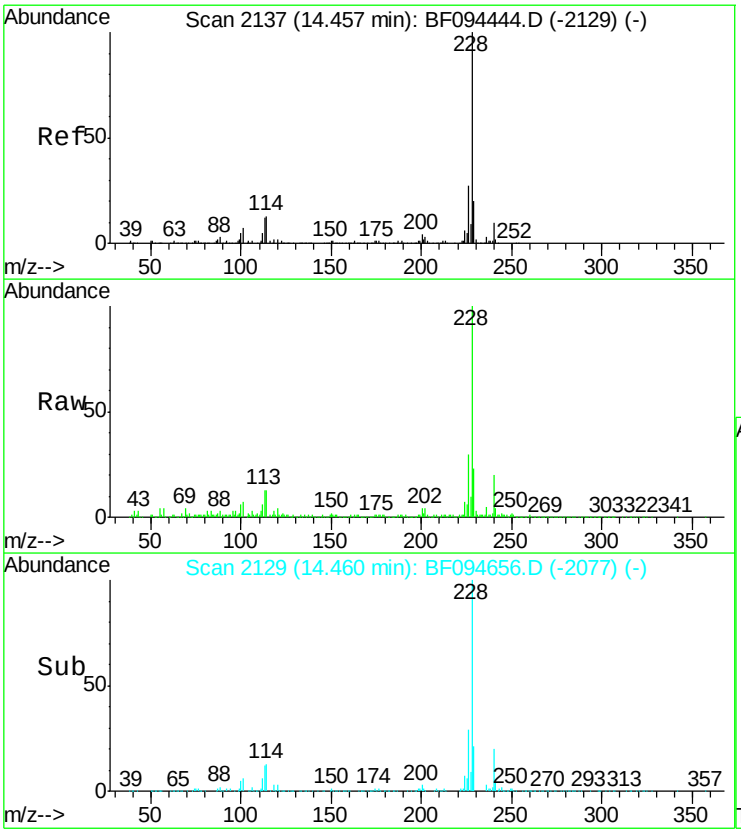
#78
Terphenyl-d14
Concen: 64.40 ng
RT: 13.19 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:244 Resp: 593825

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.0	10.3	15.5

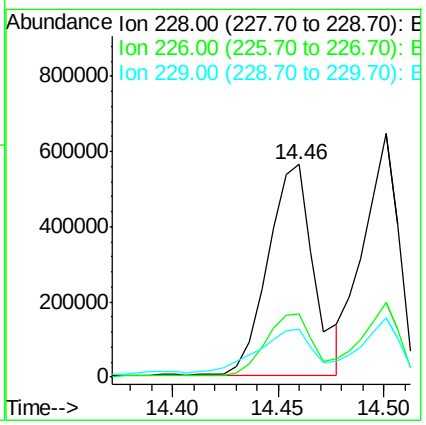


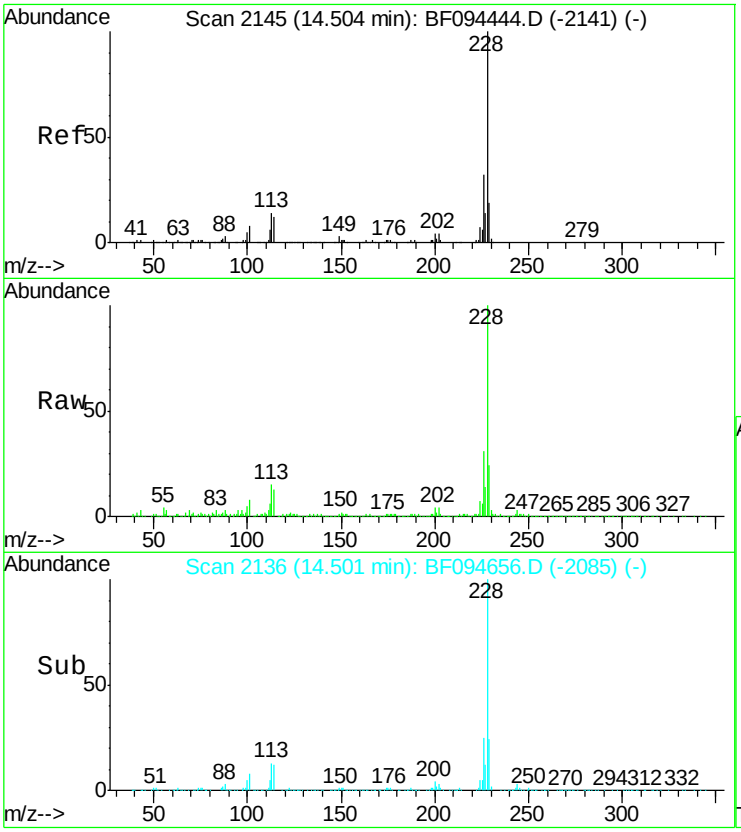


#80
Benzo(a)anthracene
Concen: 59.05 ng
RT: 14.46 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:228 Resp: 845978

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	22.7	16.3	24.5



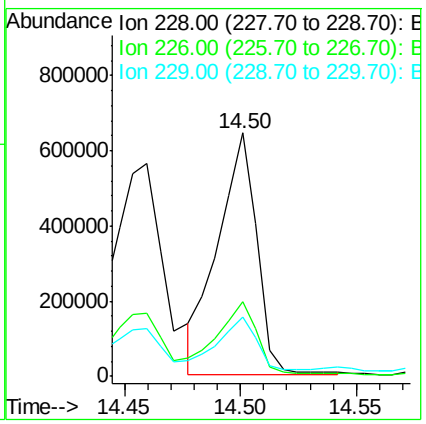


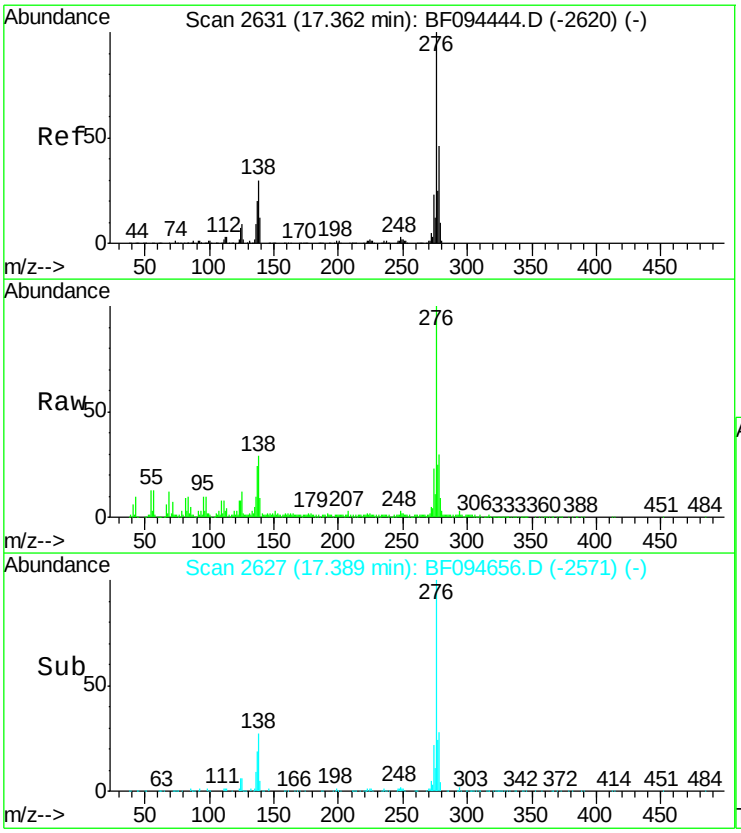
#82
Chrysene
Concen: 57.44 ng m
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:228 Resp: 752024

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	24.3	15.8	23.6#

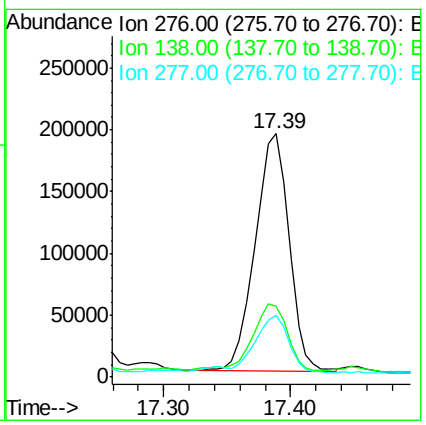


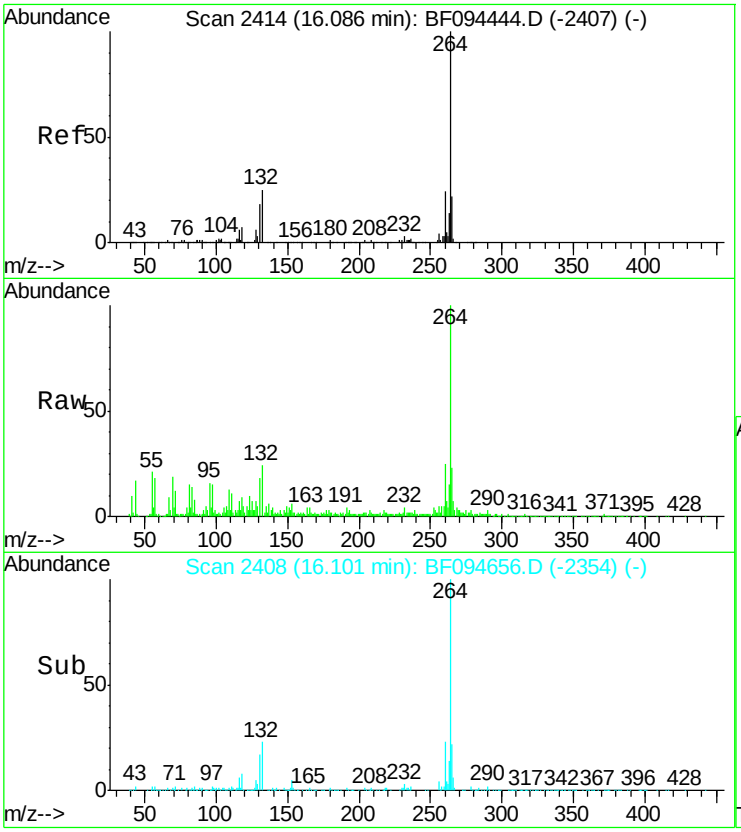


#85
Indeno(1,2,3-cd)pyrene
Concen: 28.83 ng
RT: 17.39 min Scan# 2627
Delta R.T. 0.03 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:276 Resp: 359157

Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	25.5	20.2	30.4



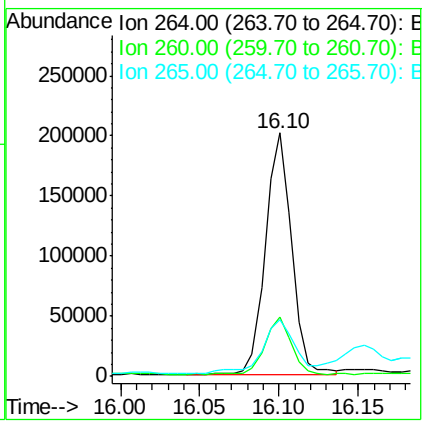


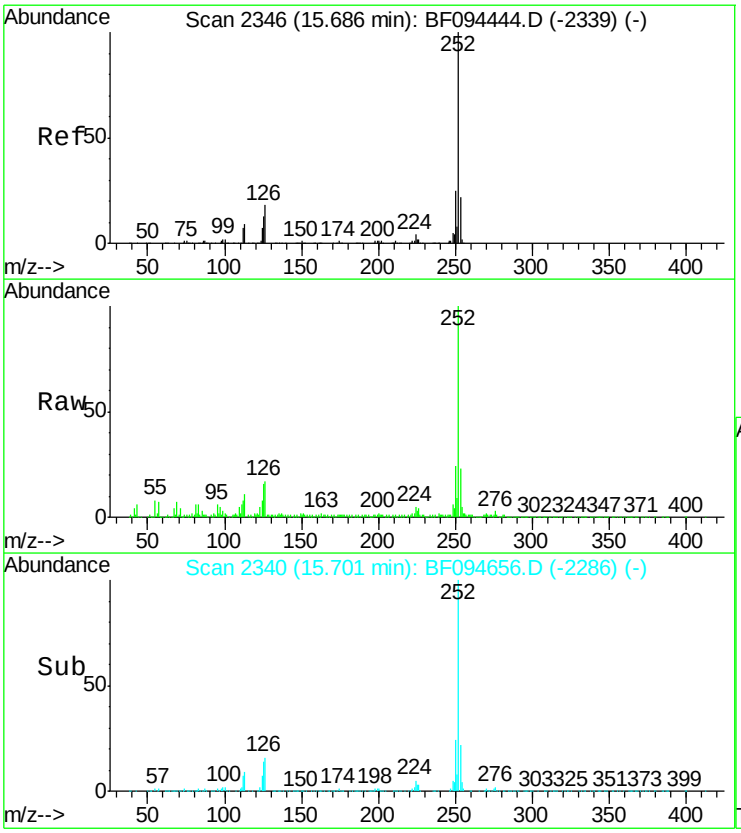
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:264 Resp: 234156

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	23.1	17.2	25.8

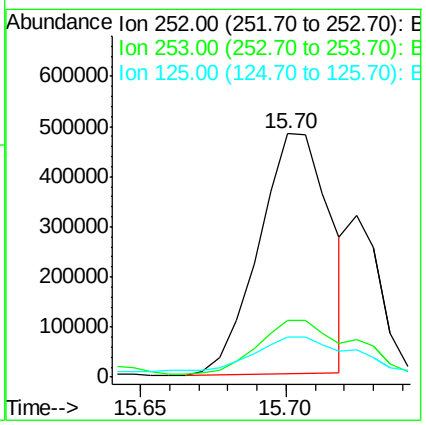


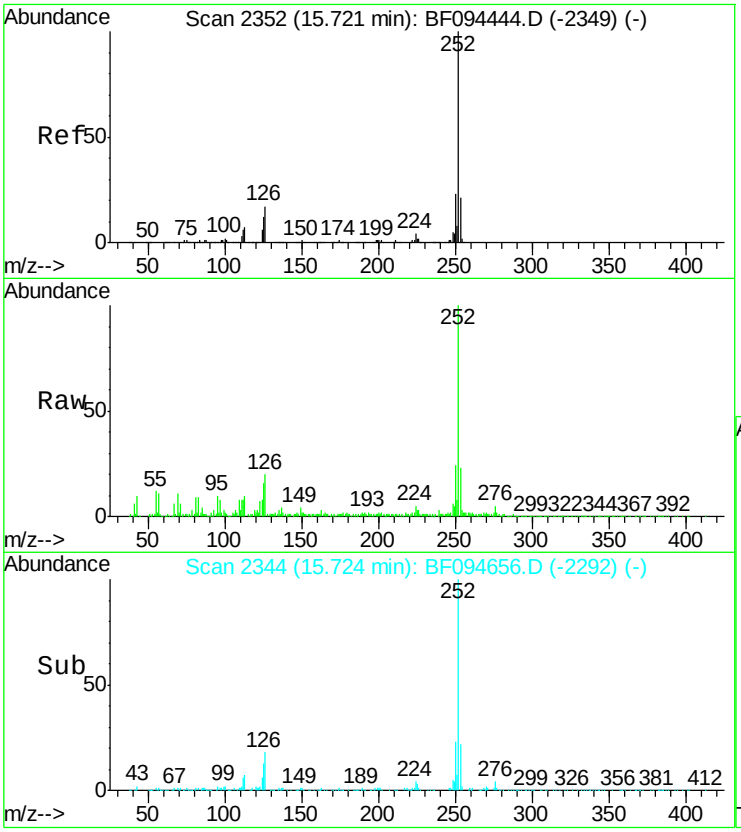


#87
Benzo(b)fluoranthene
Concen: 57.23 ng m
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:252 Resp: 819830

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	16.5	9.8	14.8#



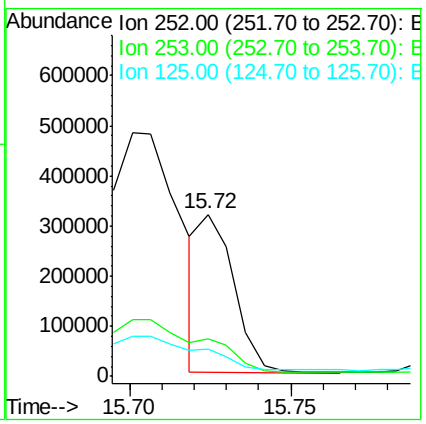


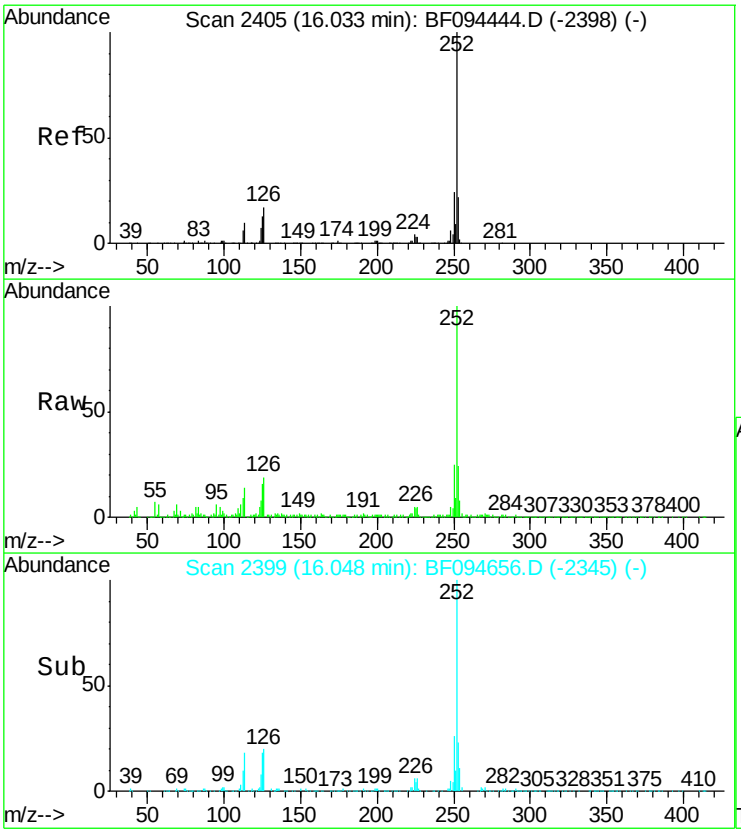
#88
Benzo(k)fluoranthene
Concen: 17.51 ng m
RT: 15.72 min Scan# 2344
Delta R.T. 0.00 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:252 Resp: 237394

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	16.5	13.1	19.7

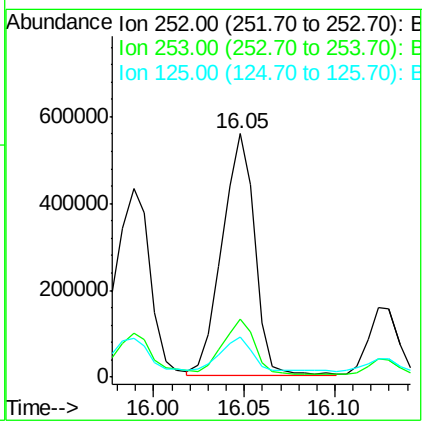


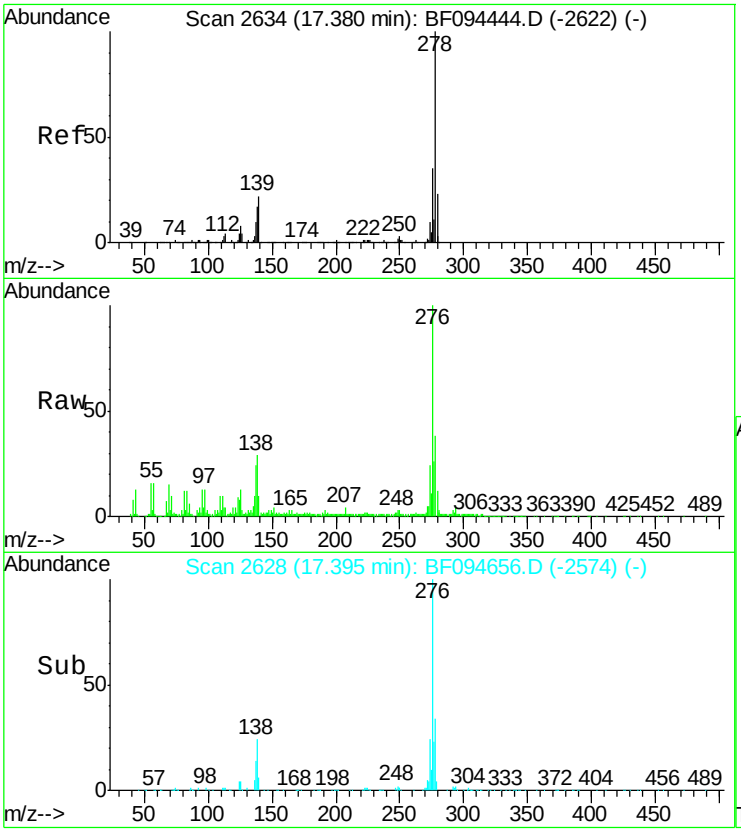


#89
Benzo(a)pyrene
Concen: 52.25 ng
RT: 16.05 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:252 Resp: 696264

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	16.2	11.0	16.4



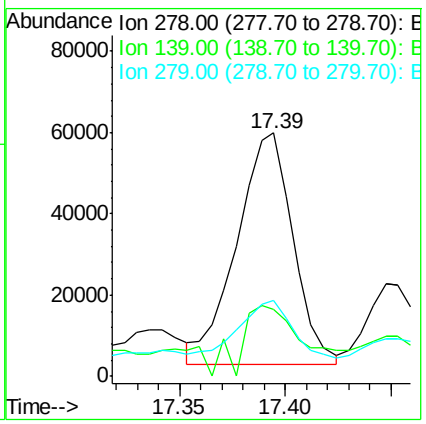


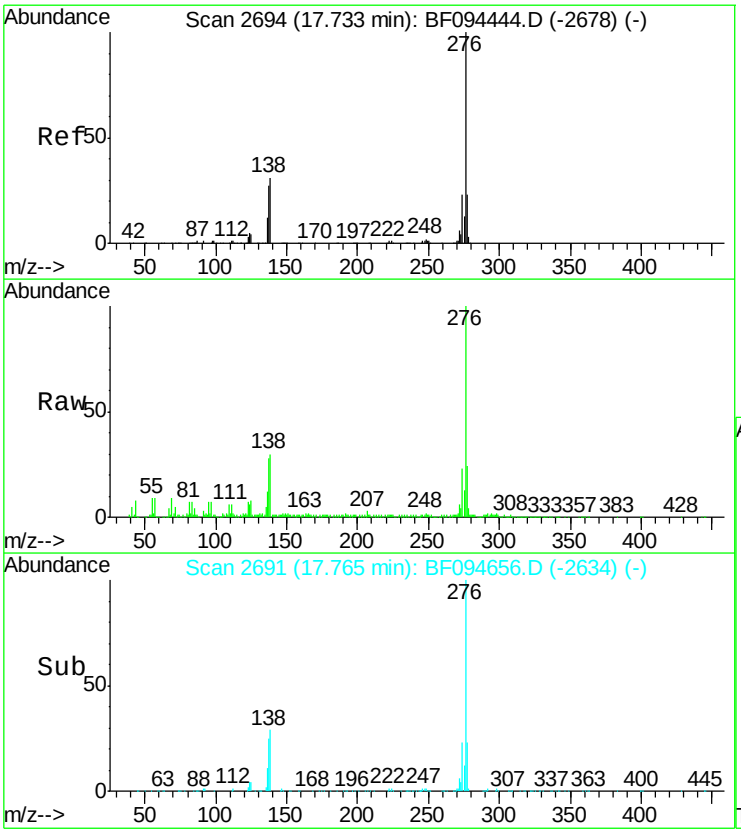
#90
Dibenzo(a,h)anthracene
Concen: 9.49 ng
RT: 17.39 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Instrument :
BNA_F
ClientSampleId :
HY-SB426A

Tgt Ion:278 Resp: 105013

Ion	Ratio	Lower	Upper
278	100		
139	27.4	16.6	24.8#
279	31.2	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 40.09 ng
RT: 17.77 min Scan# 2691
Delta R.T. 0.03 min
Lab File: BF094656.D
Acq: 26 Apr 2017 19:28

Tgt Ion:276 Resp: 451583

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.5	25.4	38.0