Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098398.D
Acq On : 9 Sep 2017 20:58
Operator : SJ/JU
Sample : I5151-04 50X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 11 04:15:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	101114	20.00	ng		-0.03
21) Naphthalene-d8	7.96	136	386777	20.00	ng		-0.03
38) Acenaphthene-d10	9.70	164	167949	20.00	ng		-0.04
63) Phenanthrene-d10	11.19	188	270628	20.00	ng		-0.03
75) Chrysene-d12	13.83	240	209838	20.00	ng		-0.04
86) Perylene-d12	15.23	264	198342	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	18333	2.76	ng		-0.02
7) Phenol-d6	6.33	99	26529	2.94	ng		-0.02
23) Nitrobenzene-d5	7.24	82	14319	2.01	ng		-0.04
41) 2,4,6-Tribromophenol	10.50	330	2893	1.99	ng		-0.04
44) 2-Fluorobiphenyl	9.03	172	25936	2.27	ng		-0.04
78) Terphenyl-d14	12.77	244	17025	1.69	ng		-0.04
Target Compounds							Qvalue
31) Naphthalene	7.99	128	2411892	120.117	ng		99
32) Benzoic acid	7.99	122	5440	7.452	ng	#	1
33) 4-Chloroaniline	7.99	127	330311	39.006	ng	#	32
35) Caprolactam	8.67	113	13450	7.719	ng	#	1
37) 2-Methylnaphthalene	8.67	142	595430	48.367	ng		98
45) 1,1'-Biphenyl	9.13	154	199407	13.020	ng		95
48) Acenaphthylene	9.57	152	127628	7.182	ng	#	96
51) Acenaphthene	9.75	154	646692	57.701	ng		99
54) Dibenzofuran	9.92	168	595224	39.627	ng		96
55) 4-Nitrophenol	9.91	139	216374	85.792	ng	#	27
57) Fluorene	10.26	166	513014	44.175	ng		96
70) Phenanthrene	11.23	178	1779877	123.423	ng		100
71) Anthracene	11.27	178	604234	41.310	ng		99
72) Carbazole	11.42	167	190331	13.709	ng		96
74) Fluoranthene	12.41	202	1252379	83.203	ng		98
77) Pyrene	12.63	202	1099520	64.066	ng		98
80) Benzo(a)anthracene	13.85	228	340508	27.075	ng		94
82) Chrysene	13.85	228	340508	27.217	ng		97
85) Indeno(1,2,3-cd)pyrene	16.42	276	28684	3.117	ng		94
87) Benzo(b)fluoranthene	14.83	252	601203	48.088	ng		99
88) Benzo(k)fluoranthene	14.83	252	601203	51.185	ng		97
89) Benzo(a)pyrene	15.17	252	364788	32.959	ng		98
90) Dibenzo(a,h)anthracene	16.73	278	34834	3.866	ng		97
91) Benzo(g,h,i)perylene	16.97	276	148360	15.780	ng		92

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

Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
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Acq On : 9 Sep 2017 20:58
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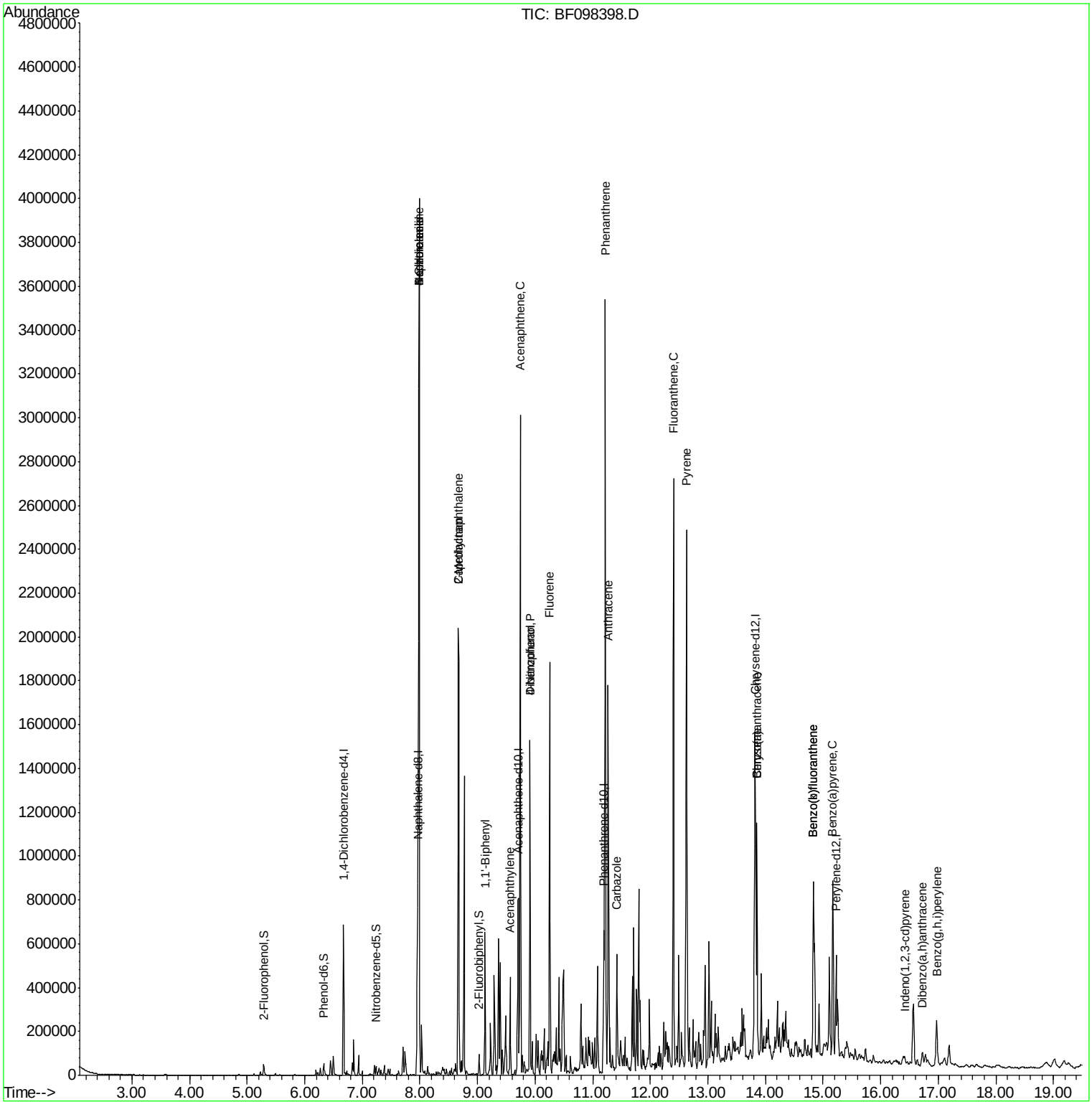
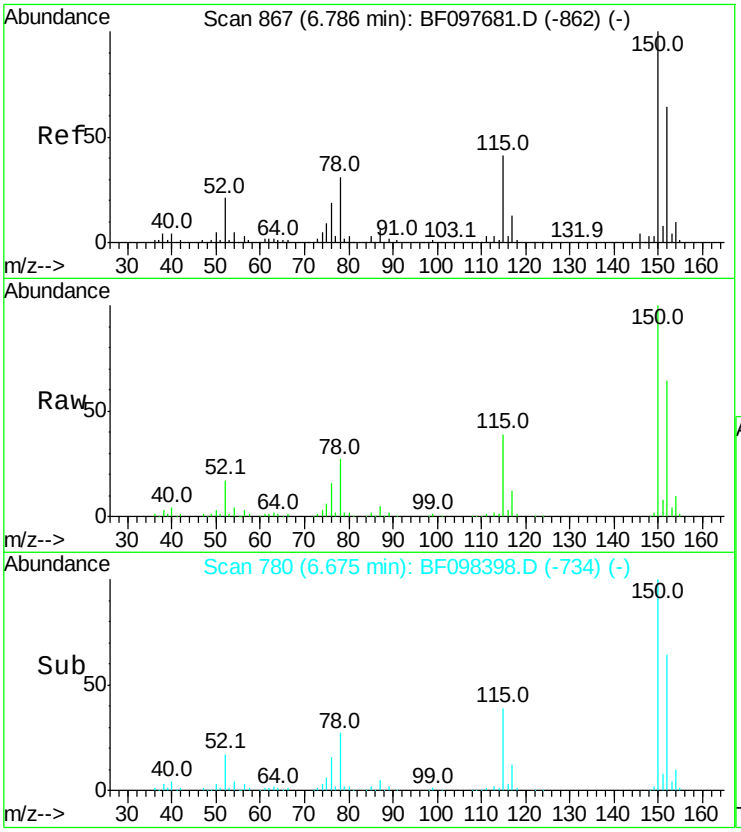
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 11 04:15:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration



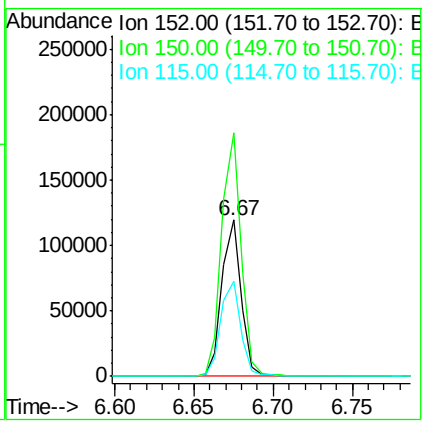


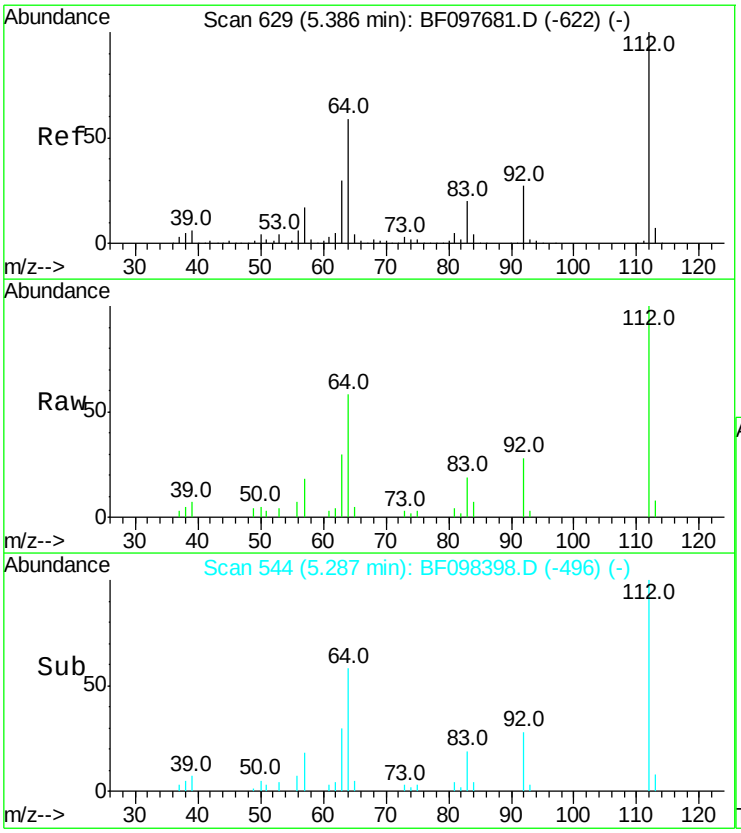
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 101114

Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	60.9	52.2	78.2

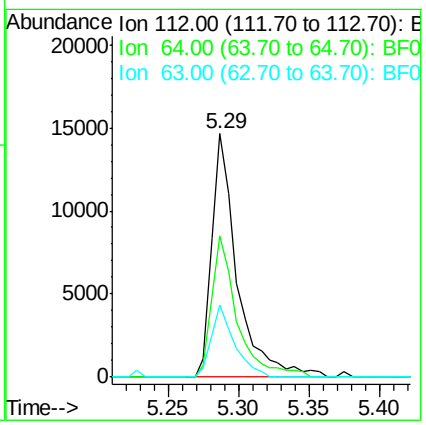


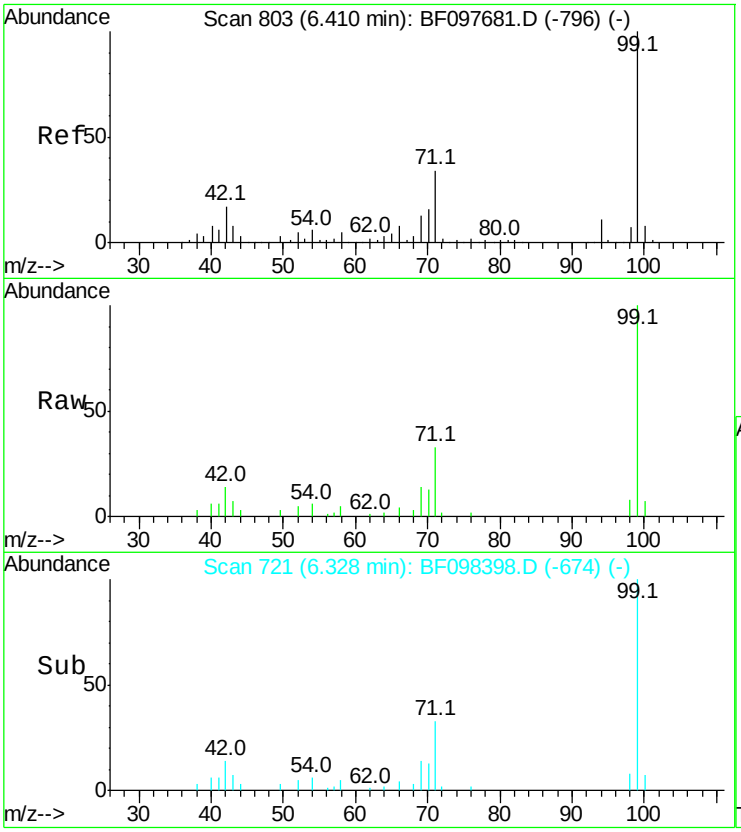


#5
2-Fluorophenol
Concen: 2.758 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:112 Resp: 18333

Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.0	69.0
63	29.8	23.4	35.0



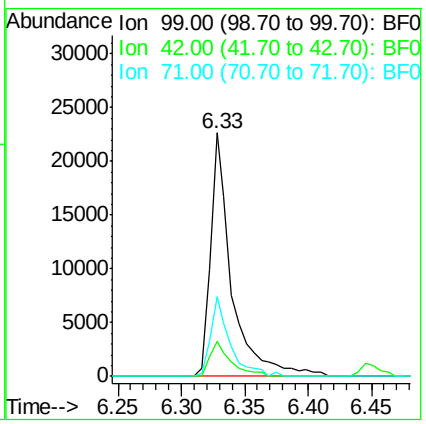


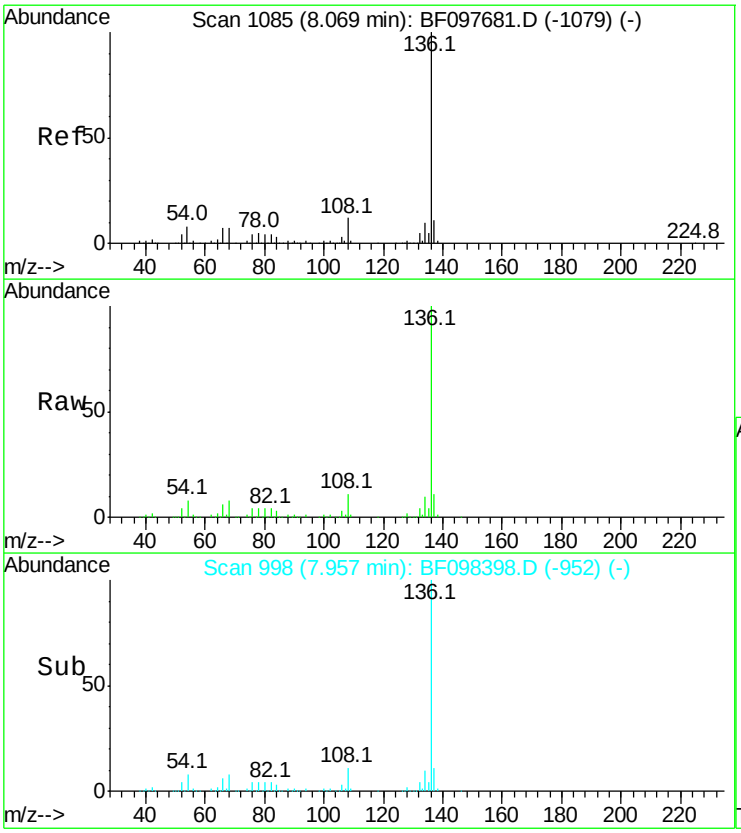
#7
Phenol-d6
Concen: 2.937 ng
RT: 6.33 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 26529

Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.5	20.3
71	32.7	24.5	36.7

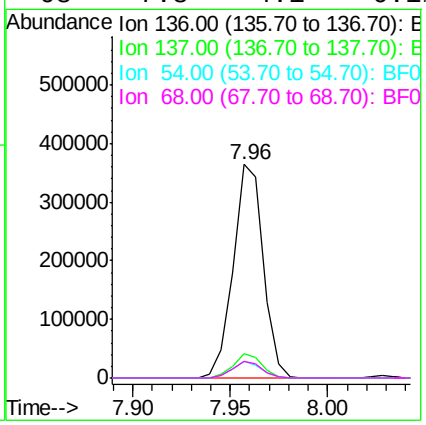


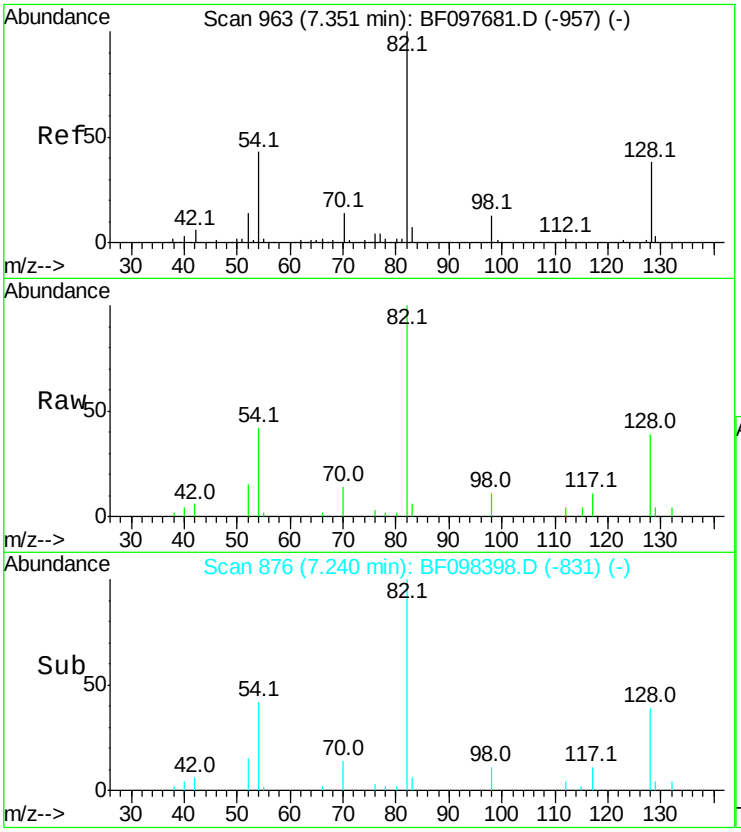


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:136 Resp: 386777

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.6	4.9	7.3#
68	7.8	4.1	6.1#



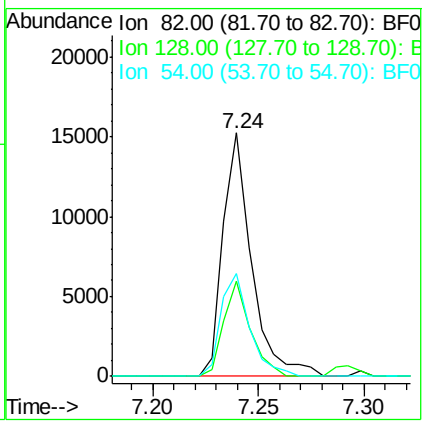


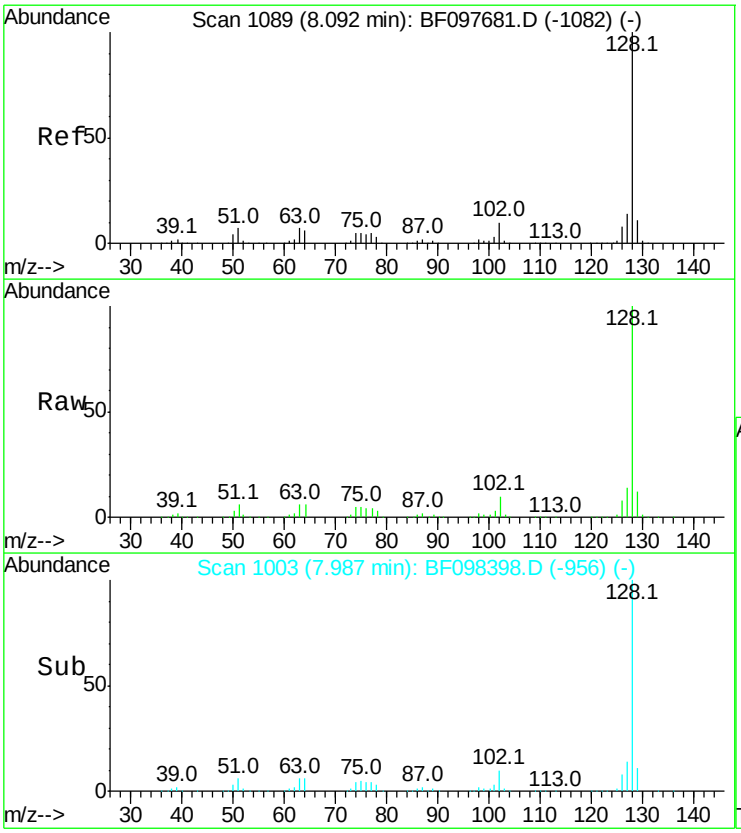
#23
Nitrobenzene-d5
Concen: 2.011 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 14319

Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.0	51.0
54	42.4	42.2	63.2

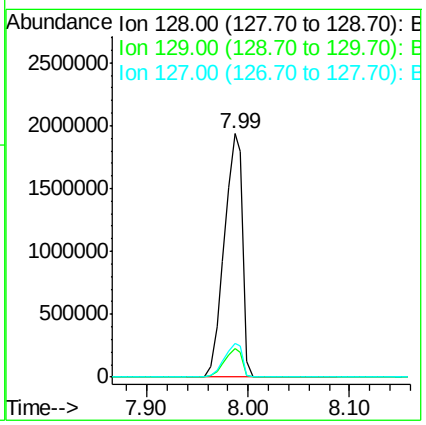


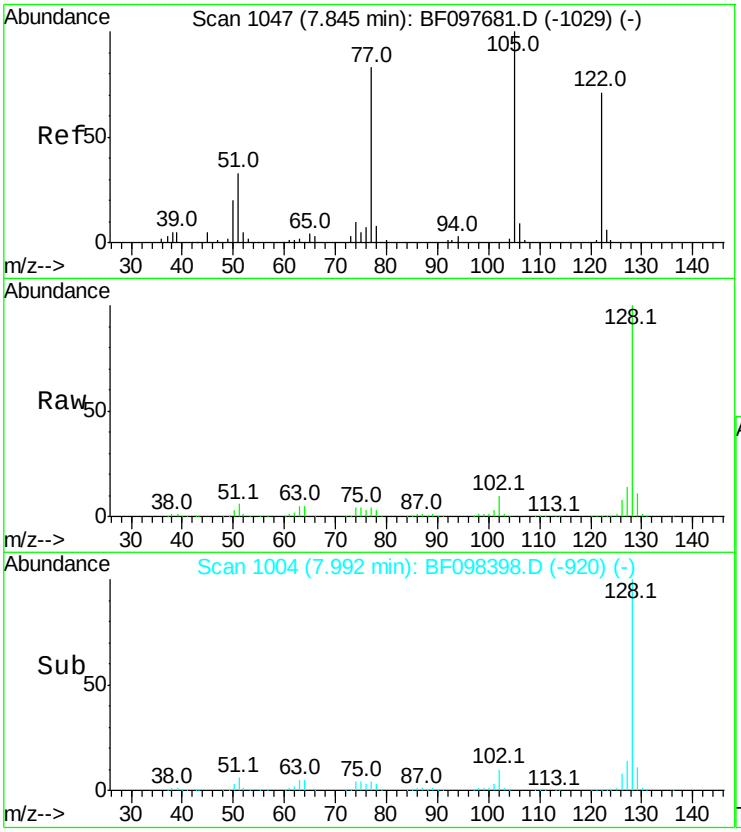


#31
Naphthalene
Concen: 120.117 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:128 Resp: 2411892

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.8	10.8	16.2



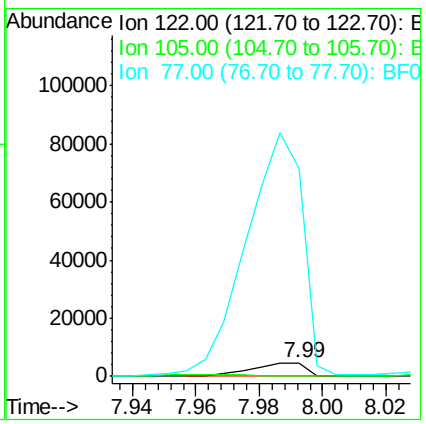


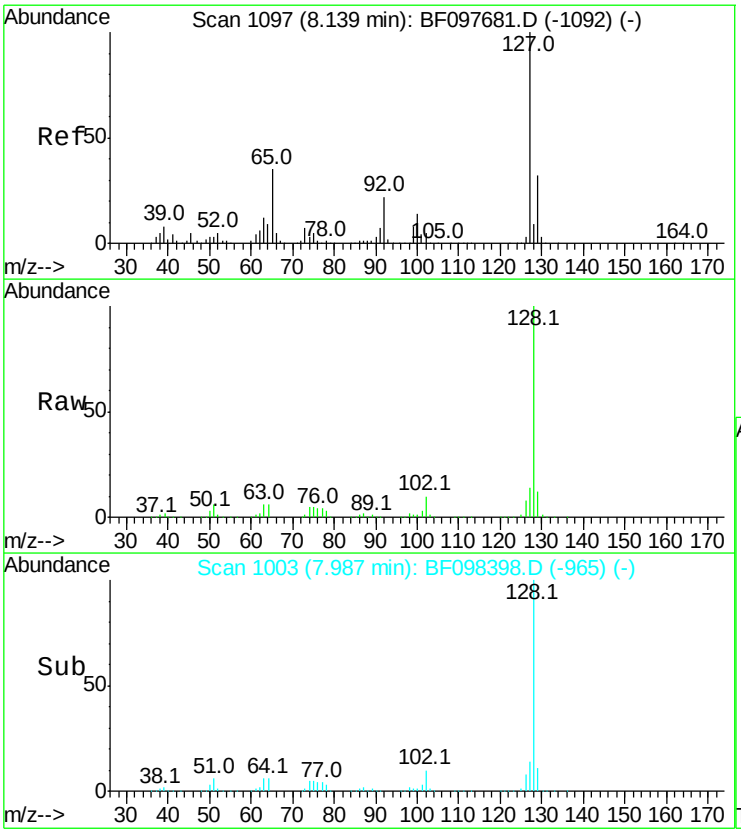
#32
Benzoic acid
Concen: 7.452 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.19 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 5440

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	1559.1	73.7	113.7#

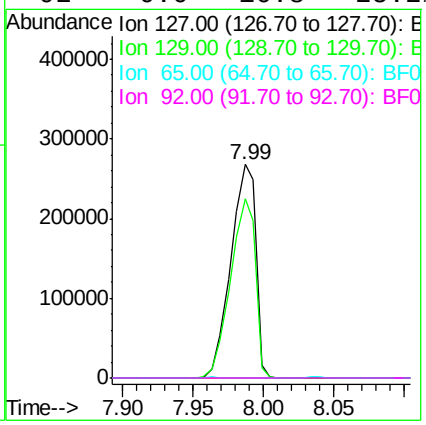


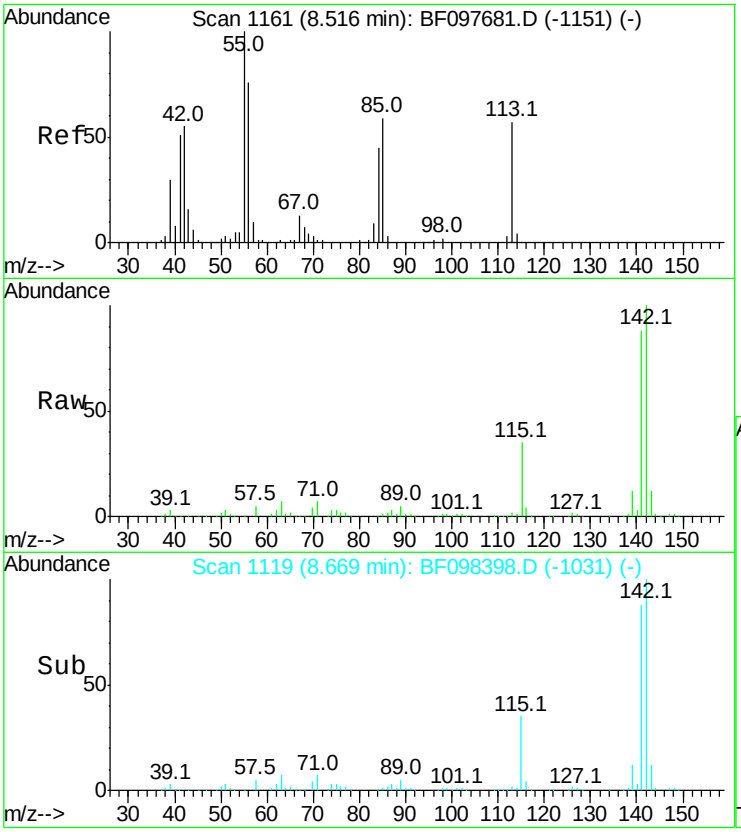


#33
4-Chloroaniline
Concen: 39.006 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.08 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:127 Resp: 330311

Ion	Ratio	Lower	Upper
127	100		
129	84.2	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



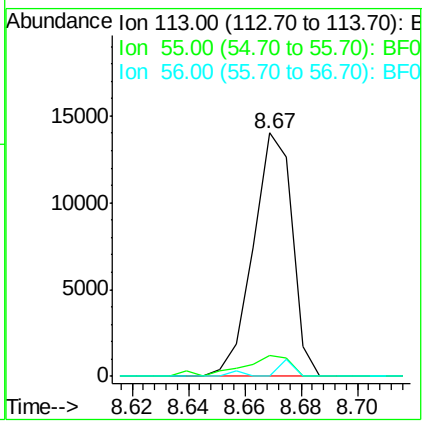


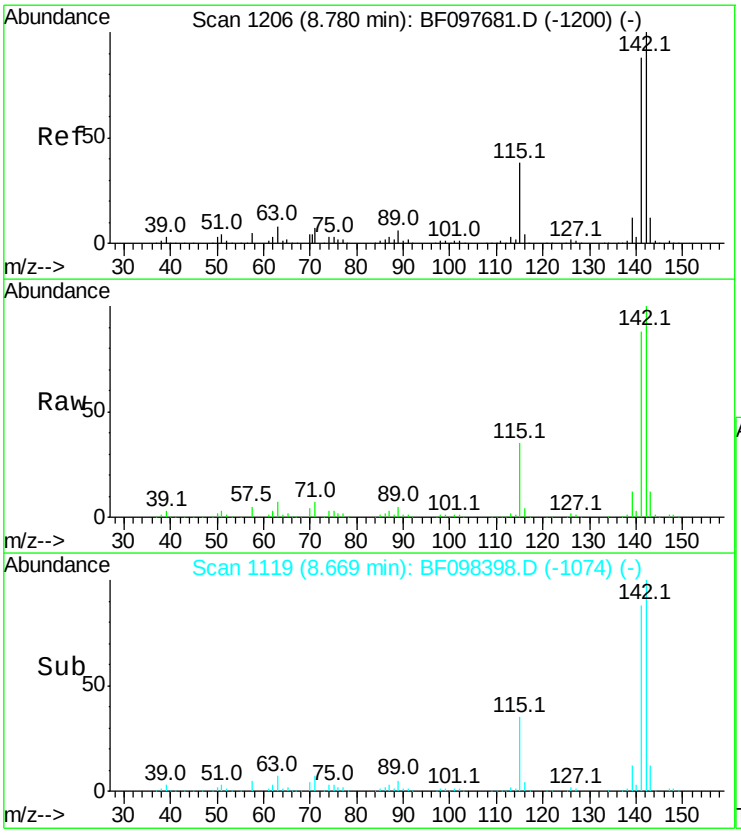
#35
Caprolactam
Concen: 7.719 ng
RT: 8.67 min Scan# 1119
Delta R.T. 0.22 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 13450

Ion	Ratio	Lower	Upper
113	100		
55	8.5	150.2	190.2#
56	0.0	107.8	147.8#

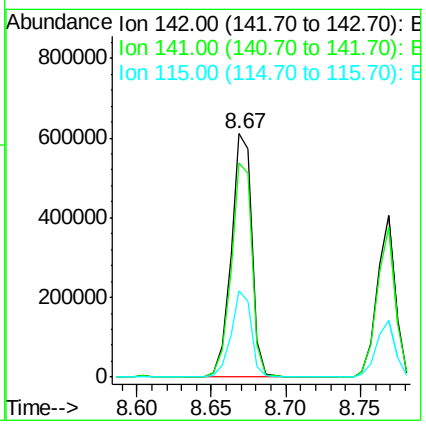


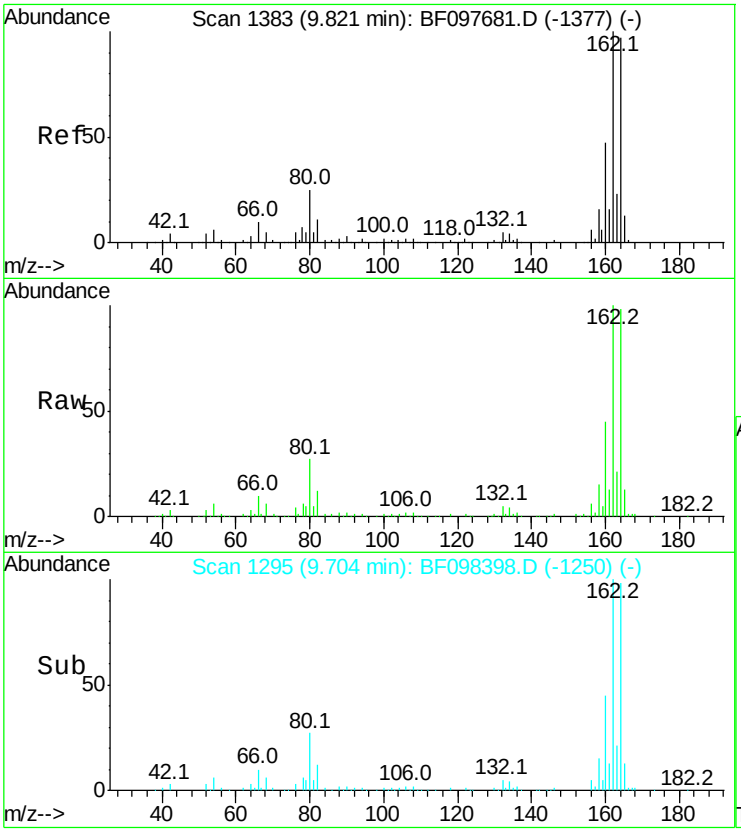


#37
2-Methylnaphthalene
Concen: 48.367 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:142 Resp: 595430

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9
115	35.3	27.1	40.7



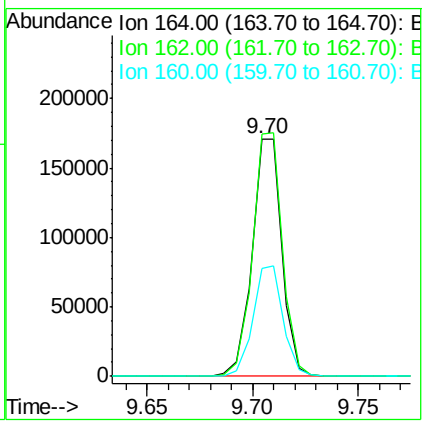


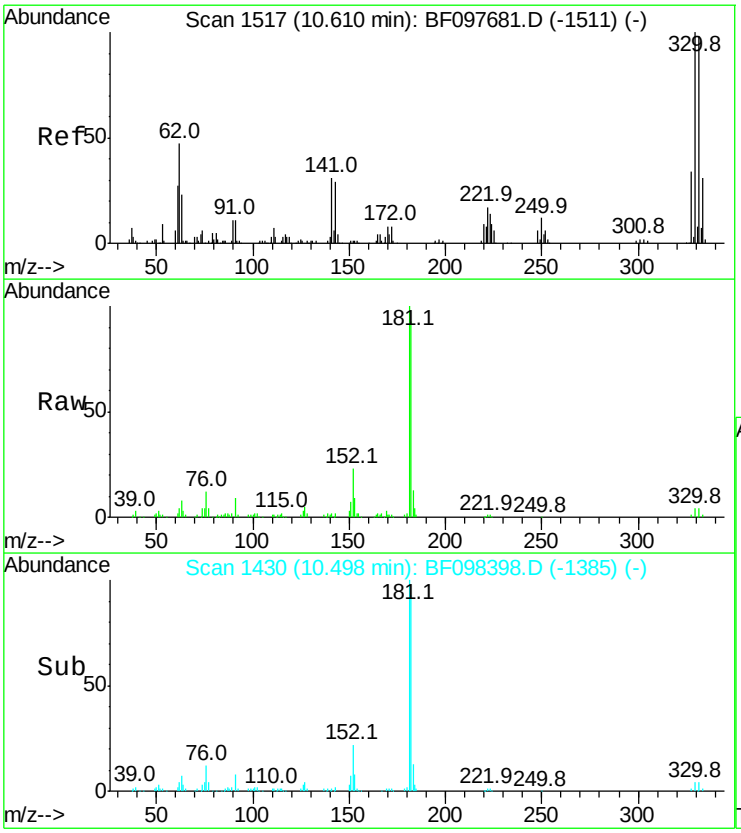
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 167949

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.7	36.2	54.2

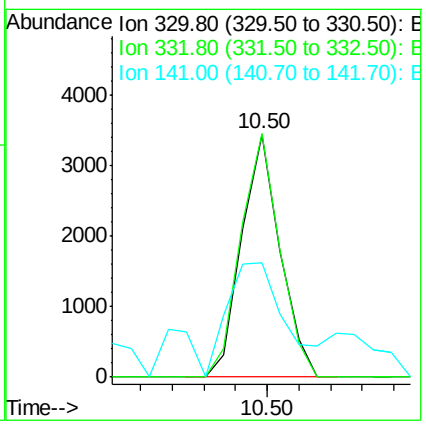


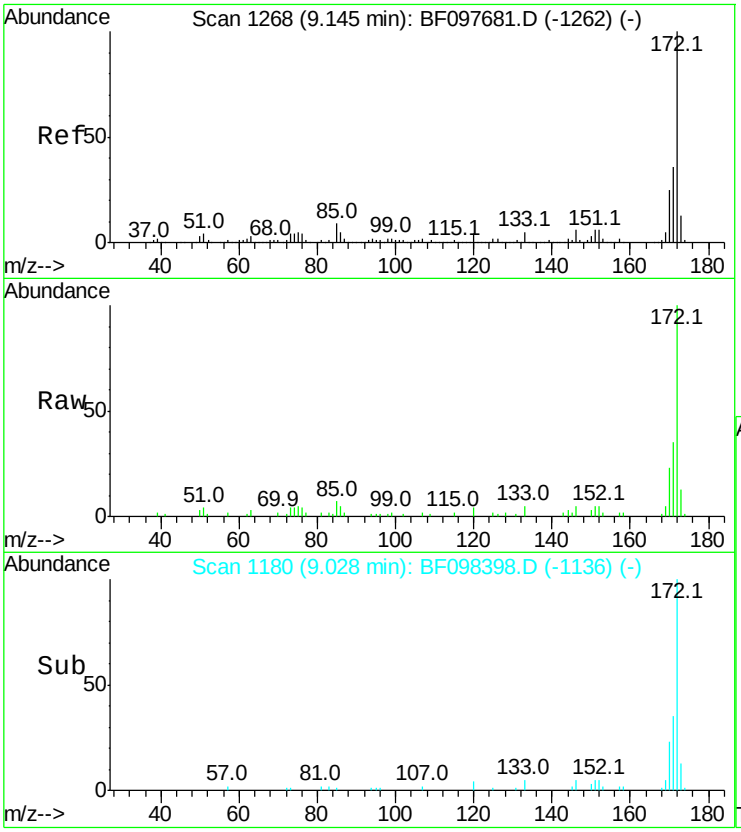


#41
2,4,6-Tribromophenol
Concen: 1.985 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:330 Resp: 2893

Ion	Ratio	Lower	Upper
330	100		
332	101.9	76.6	115.0
141	88.2	31.4	47.2#



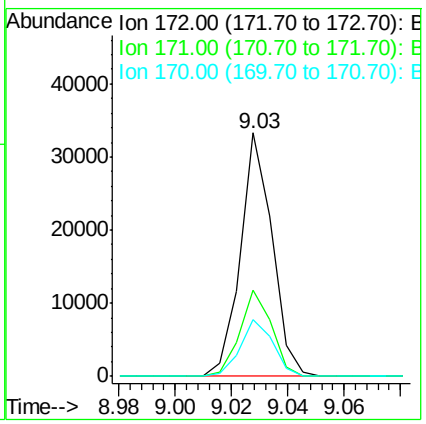


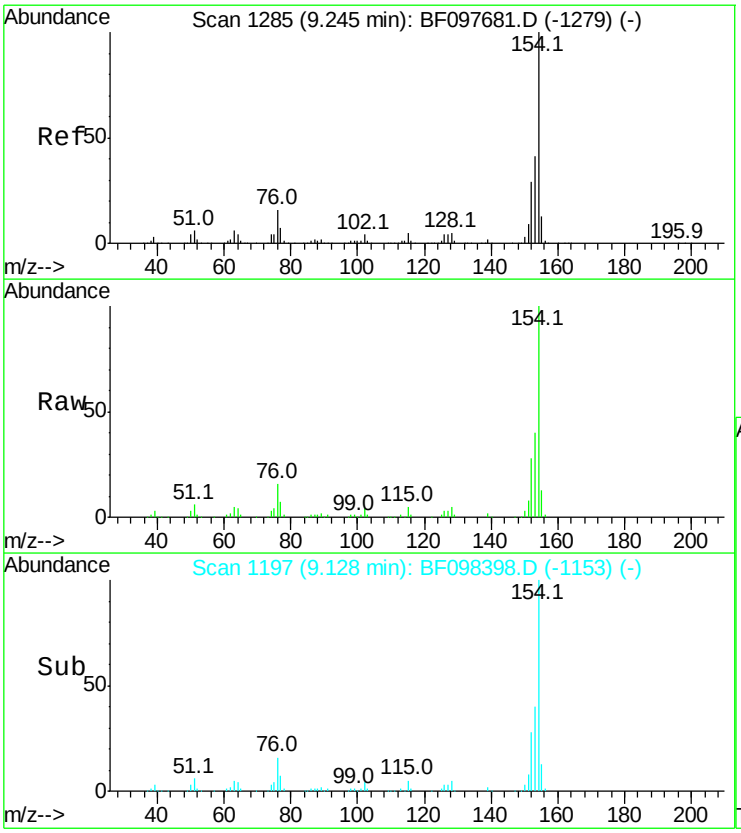
#44
2-Fluorobiphenyl
Concen: 2.269 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 25936

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.3	19.8	29.8

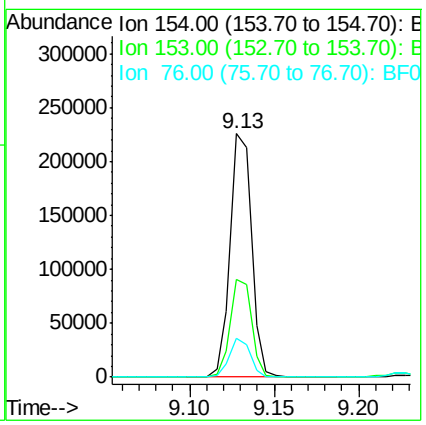


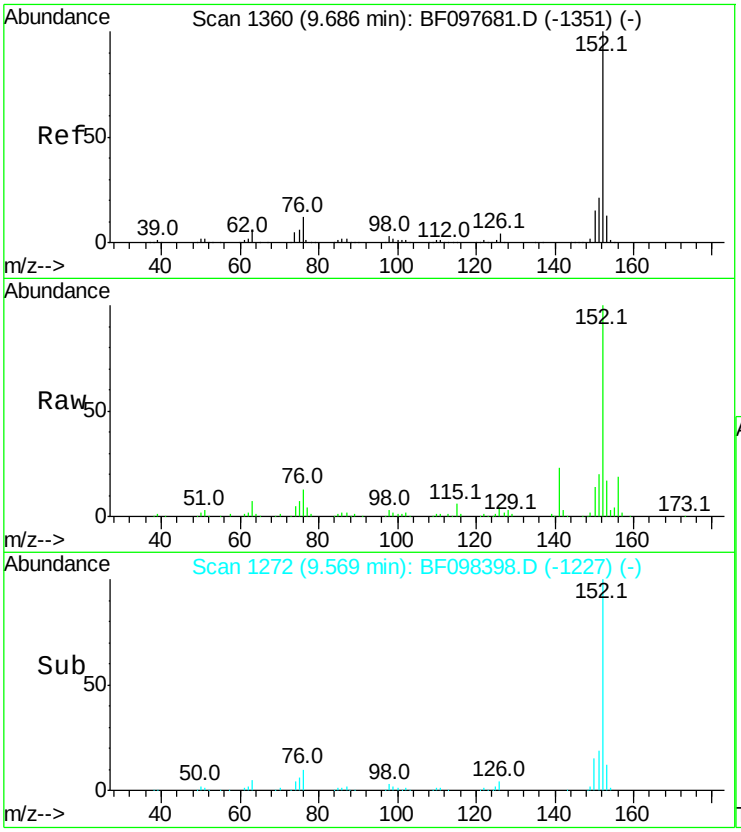


#45
1,1'-Biphenyl
Concen: 13.020 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:154 Resp: 199407

Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	16.1	0.0	29.9



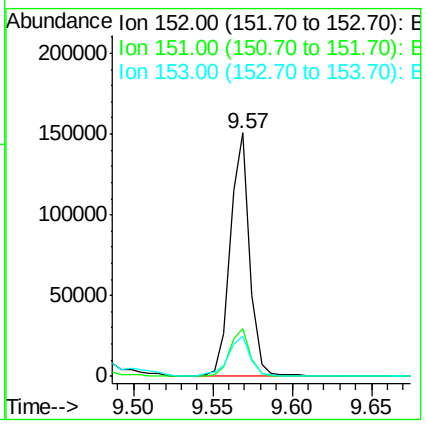


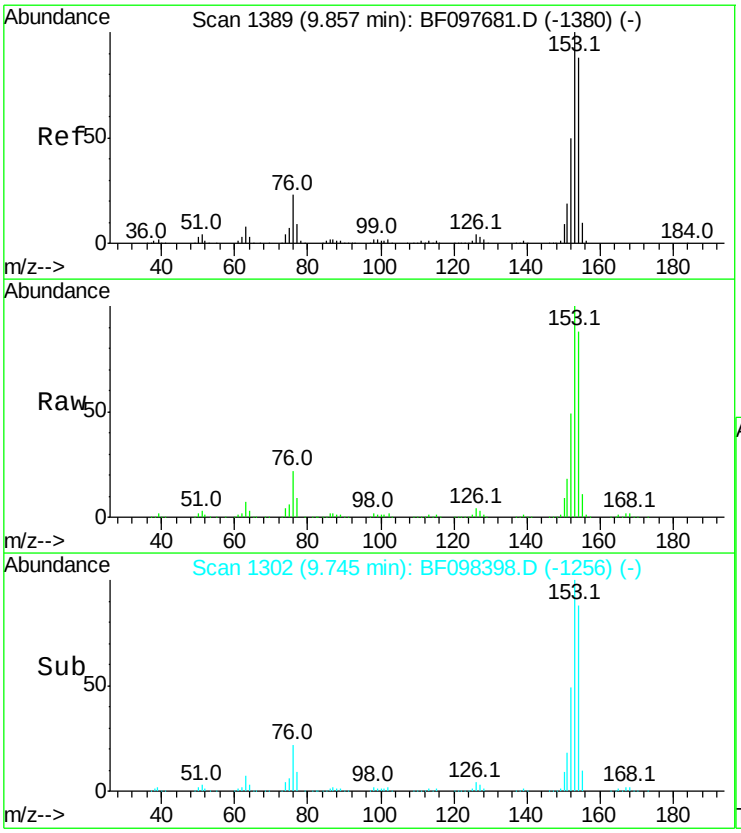
#48
Acenaphthylene
Concen: 7.182 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 127628

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	16.5	10.8	16.2#

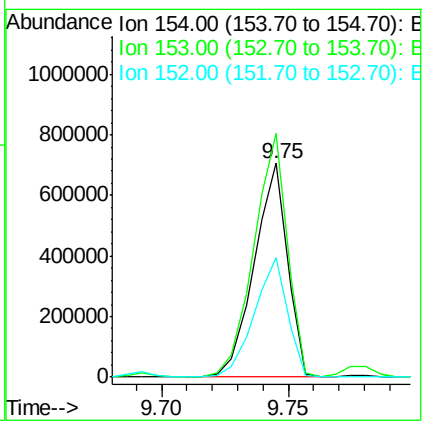


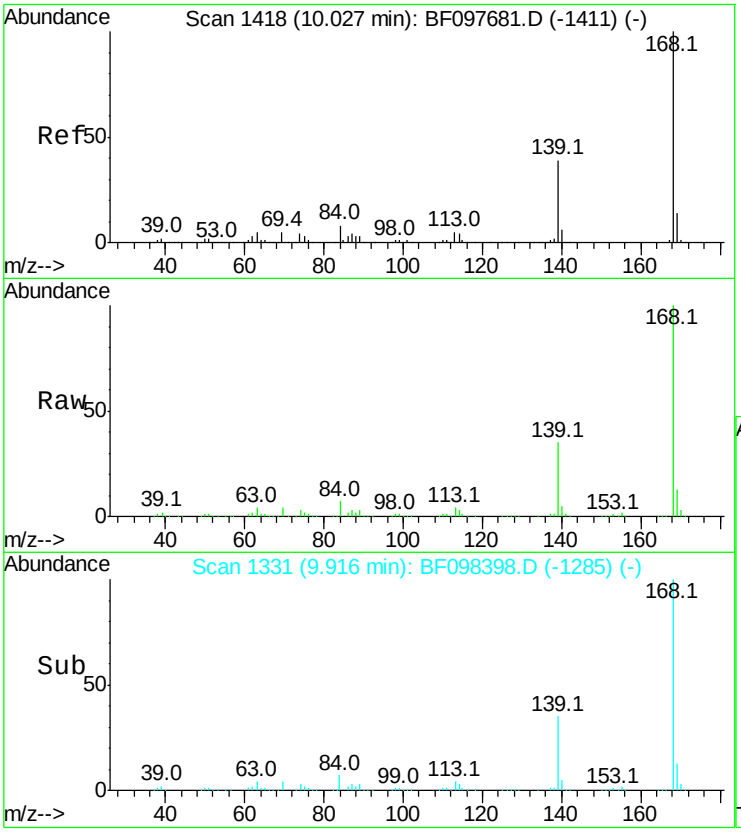


#51
Acenaphthene
Concen: 57.701 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:154 Resp: 646692

Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	55.9	43.6	65.4



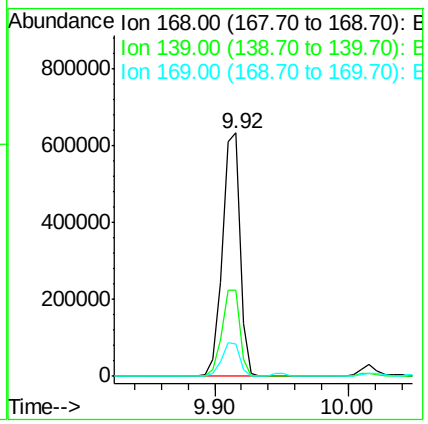


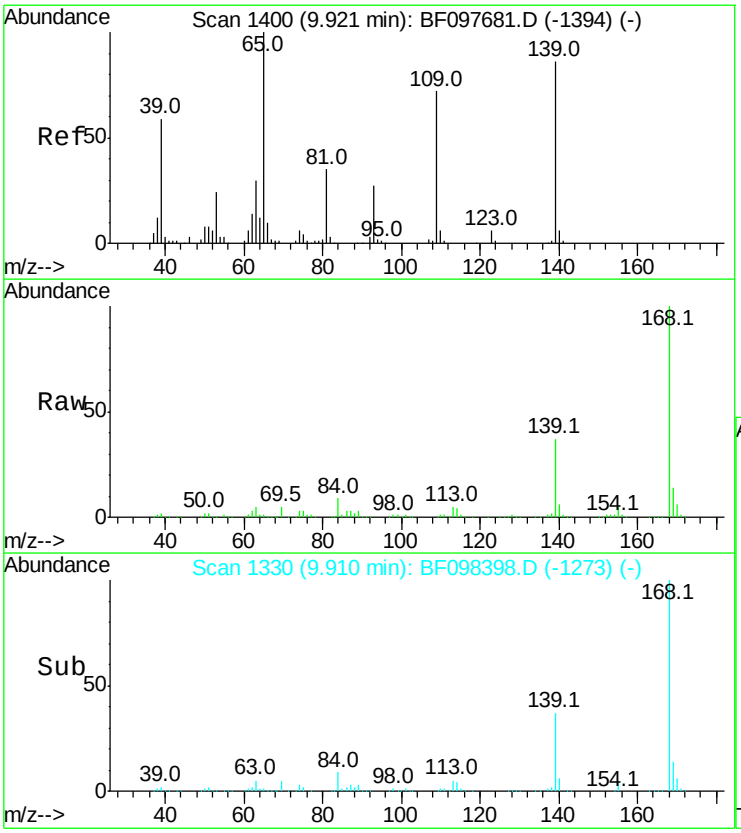
#54
Dibenzofuran
Concen: 39.627 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 595224

Ion	Ratio	Lower	Upper
168	100		
139	35.4	30.6	45.8
169	13.3	10.8	16.2

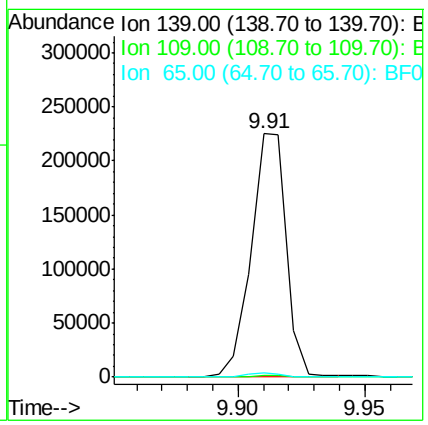


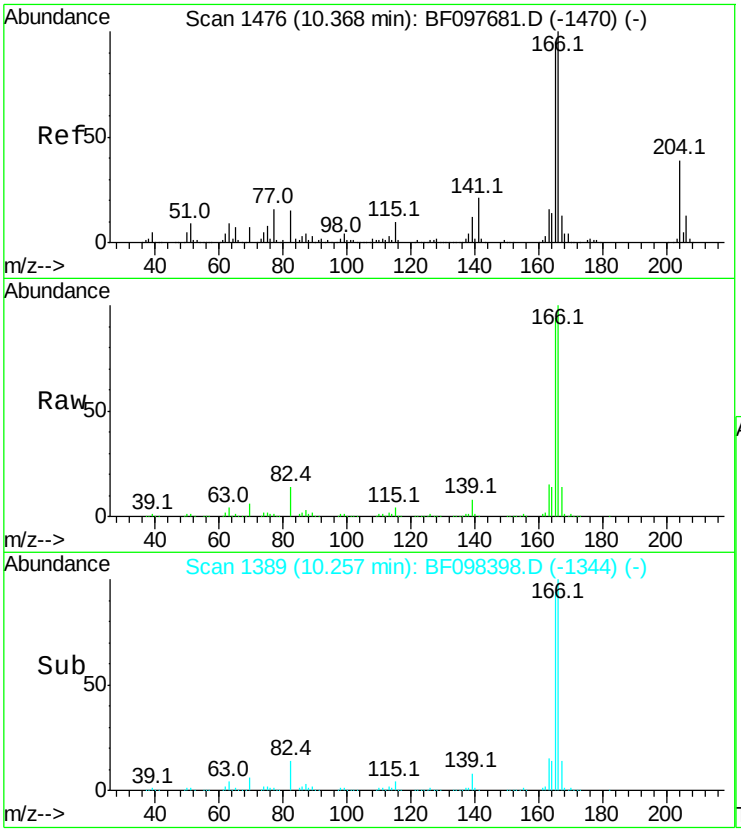


#55
4-Nitrophenol
Concen: 85.792 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:139 Resp: 216374

Ion	Ratio	Lower	Upper
139	100		
109	0.9	34.1	74.1#
65	1.9	31.4	71.4#



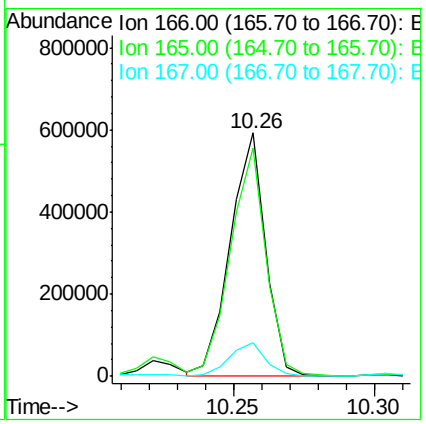


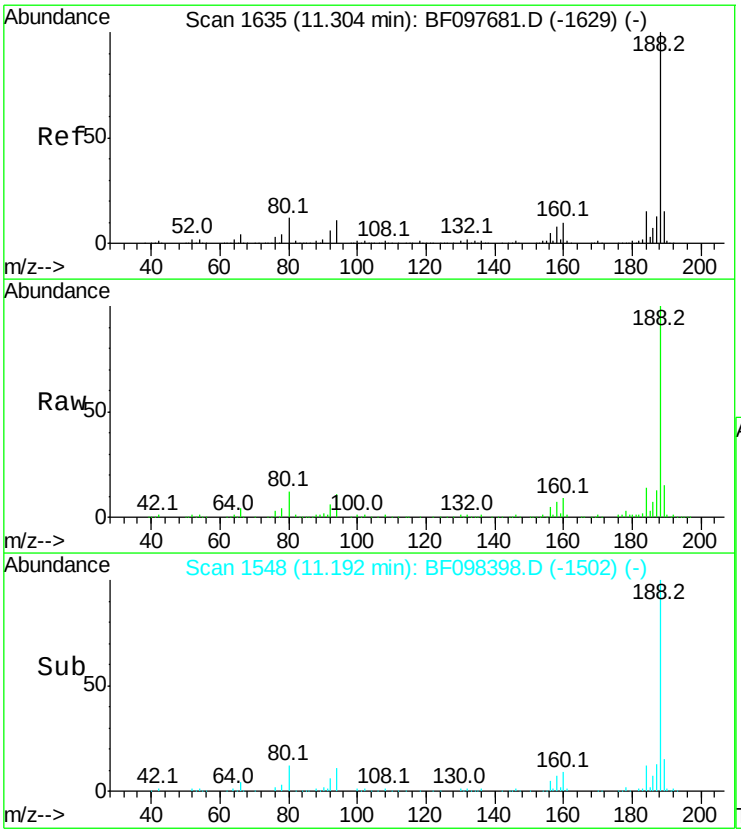
#57
Fluorene
Concen: 44.175 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 513014

Ion	Ratio	Lower	Upper
166	100		
165	93.8	78.8	118.2
167	13.7	10.6	16.0

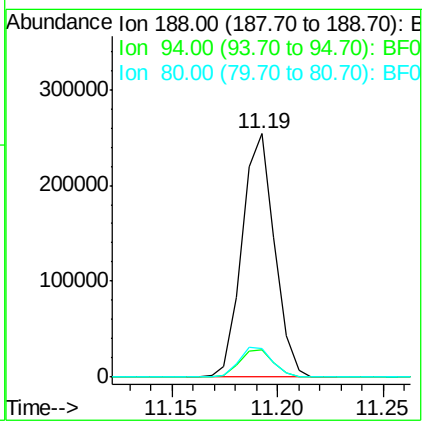


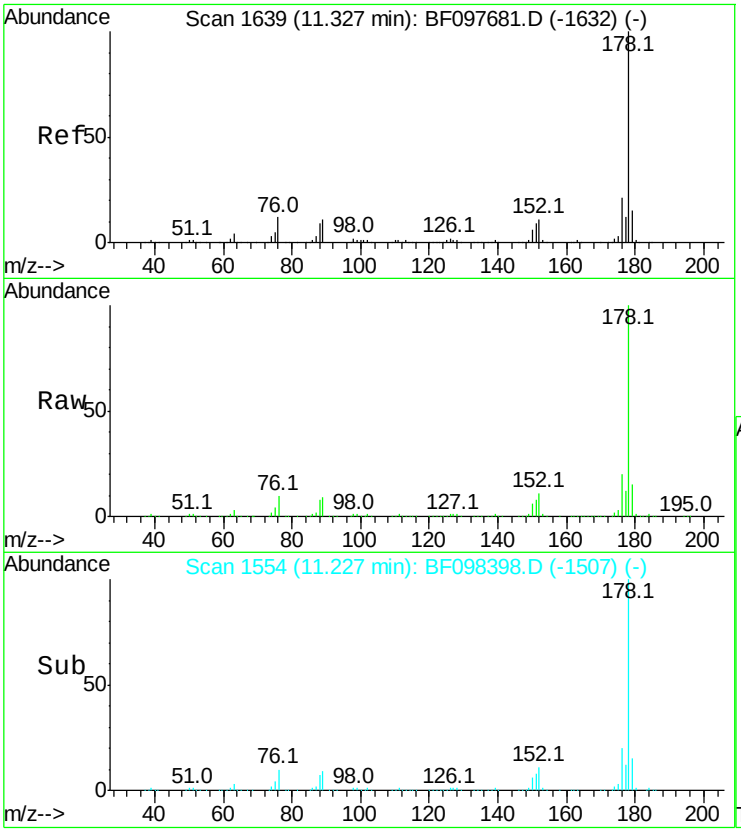


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:188 Resp: 270628

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.9	10.2	15.2



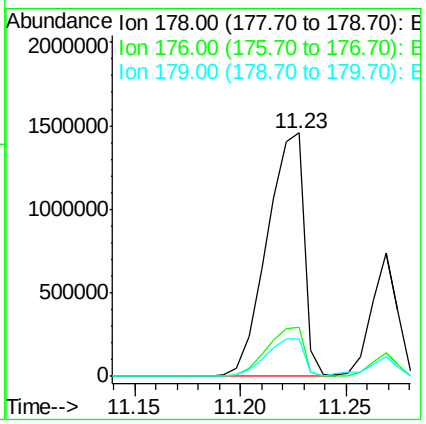


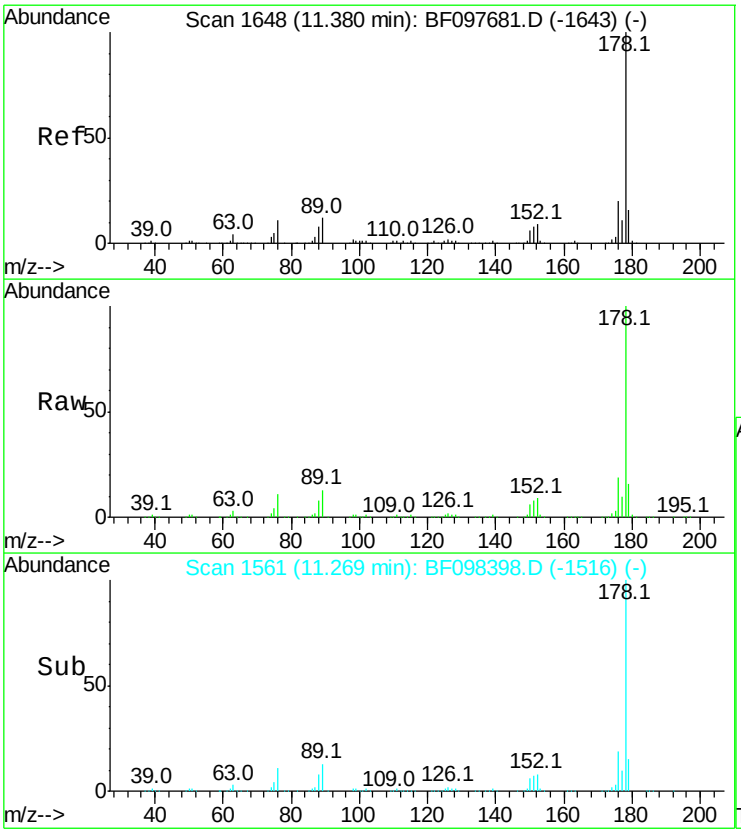
#70
Phenanthrene
Concen: 123.423 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1779877

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.4	12.6	19.0

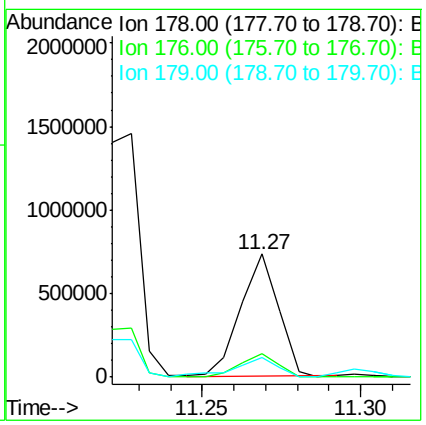


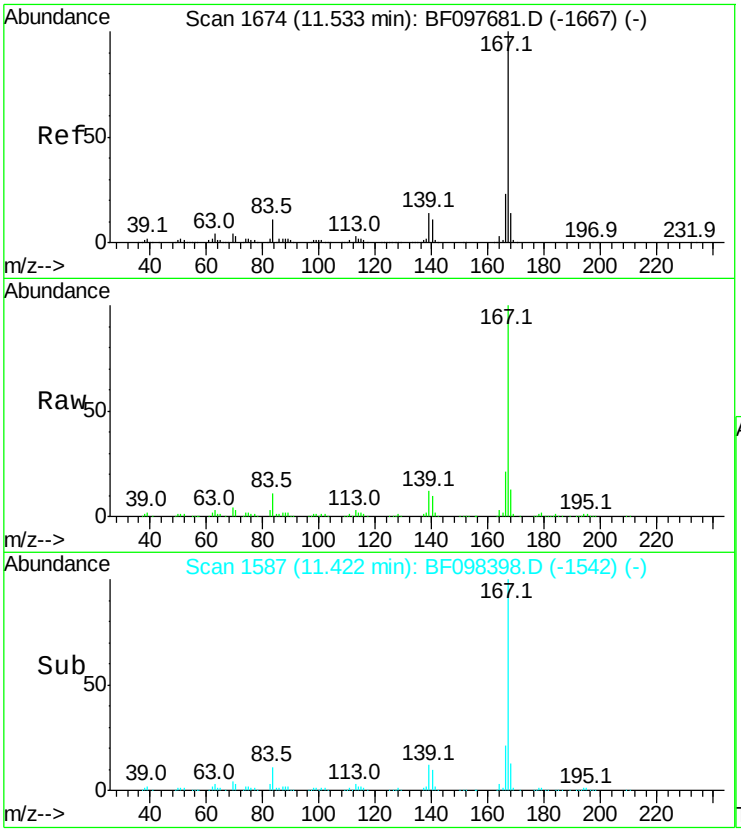


#71
Anthracene
Concen: 41.310 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:178 Resp: 604234

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	12.7	19.1



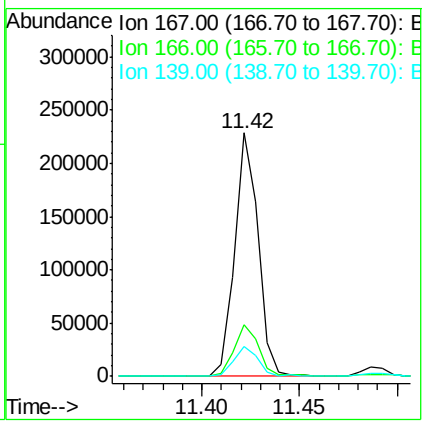


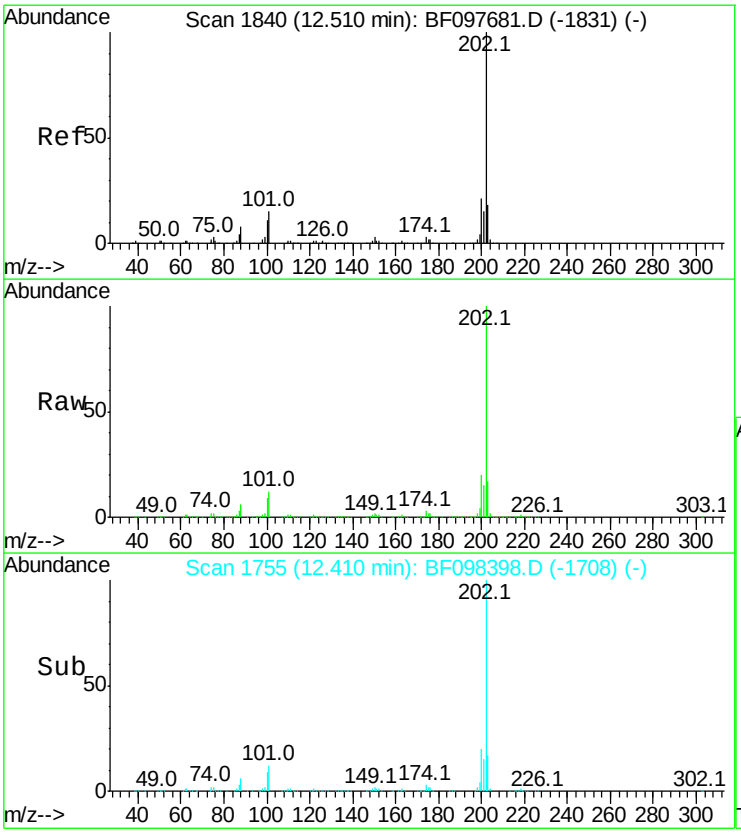
#72
Carbazole
Concen: 13.709 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 190331

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.5	11.7	17.5

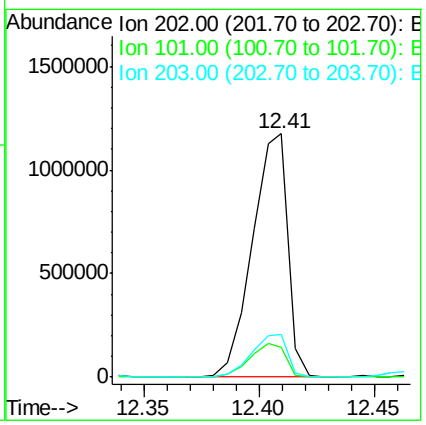


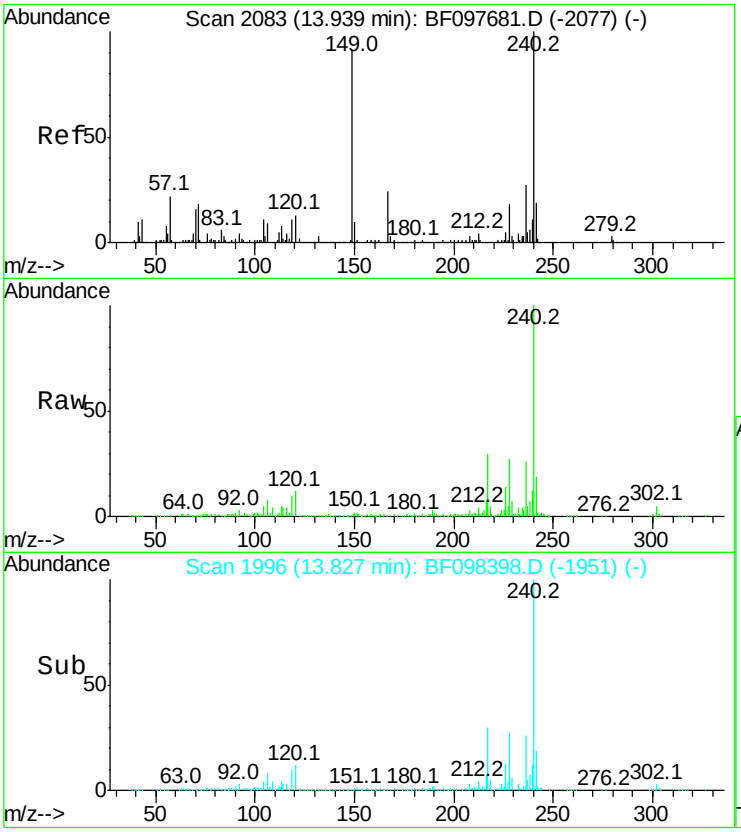


#74
Fluoranthene
Concen: 83.203 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:202 Resp: 1252379

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.5	0.0	38.1



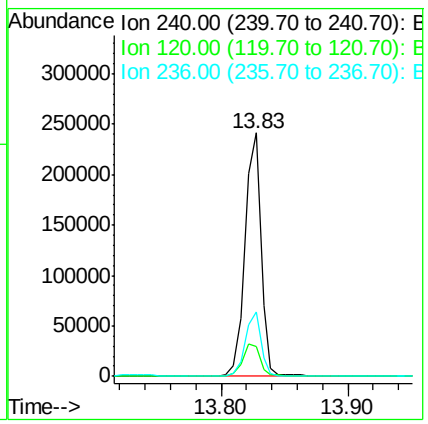


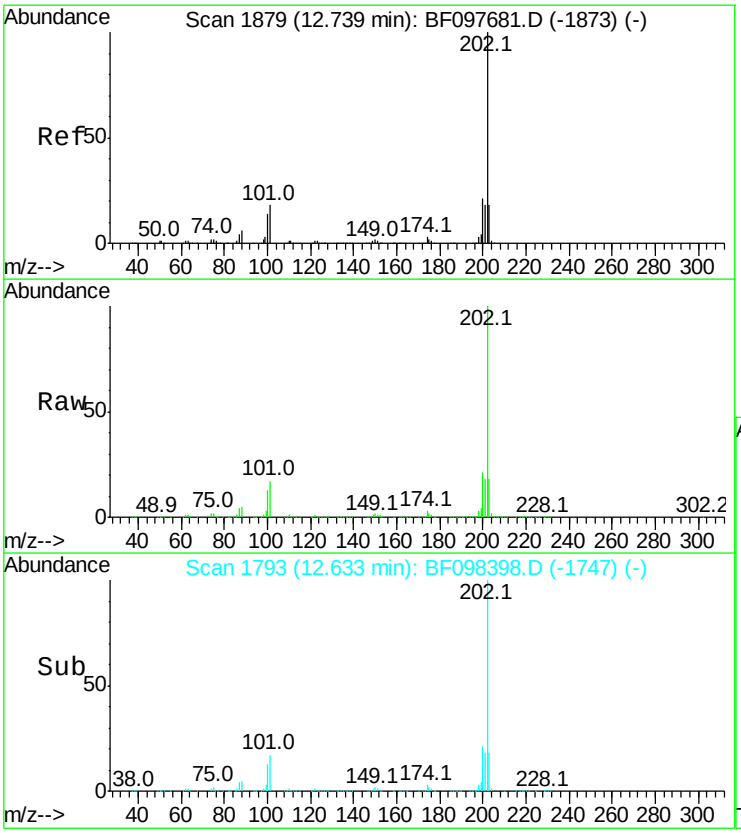
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 209838

Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.8	8.8#
236	26.4	20.5	30.7

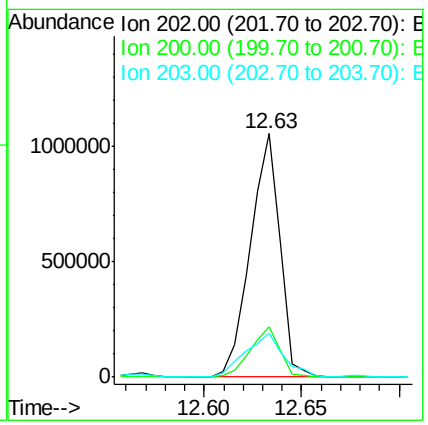


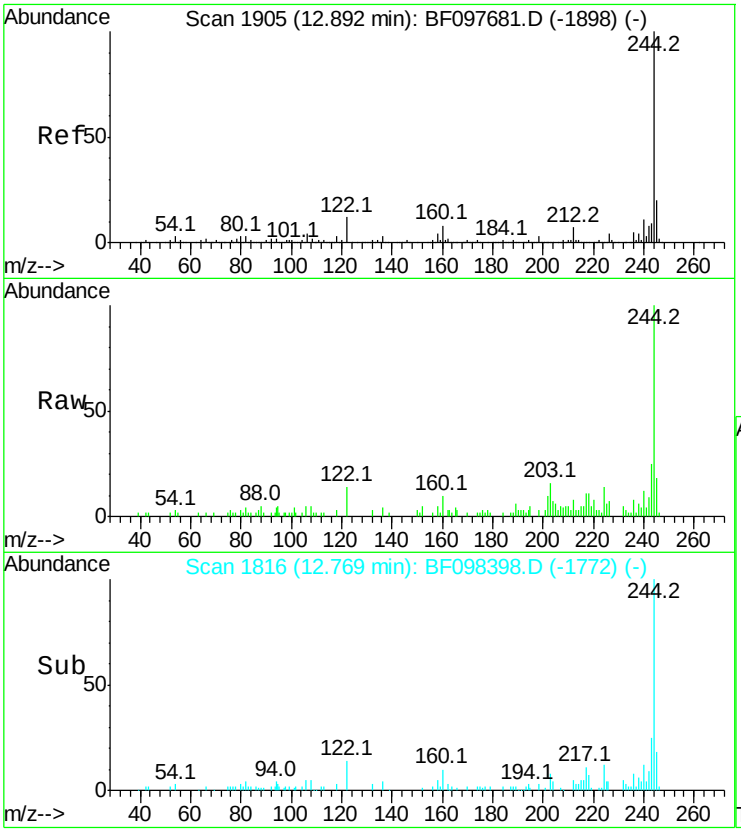


#77
Pyrene
Concen: 64.066 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:202 Resp: 1099520

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.8	14.4	21.6



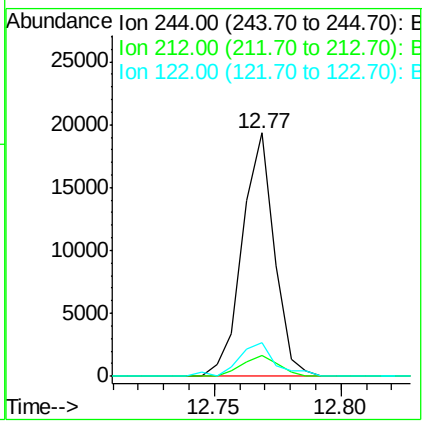


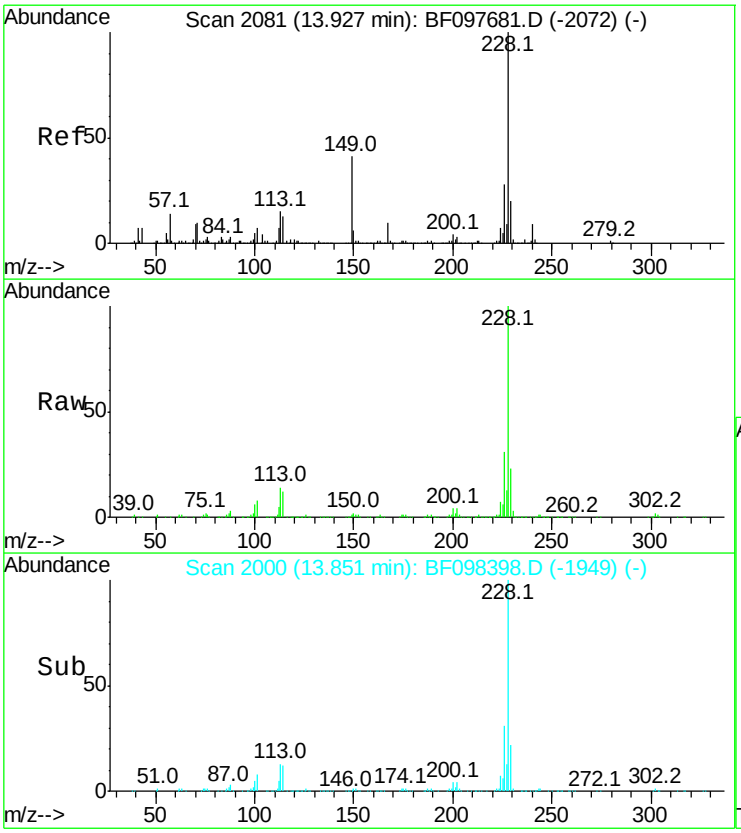
#78
Terphenyl-d14
Concen: 1.692 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 17025

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.0	9.0
122	13.9	10.3	15.5

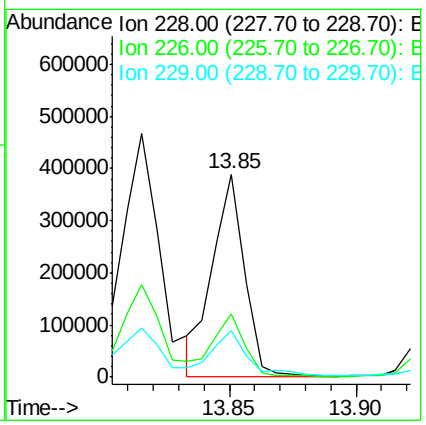


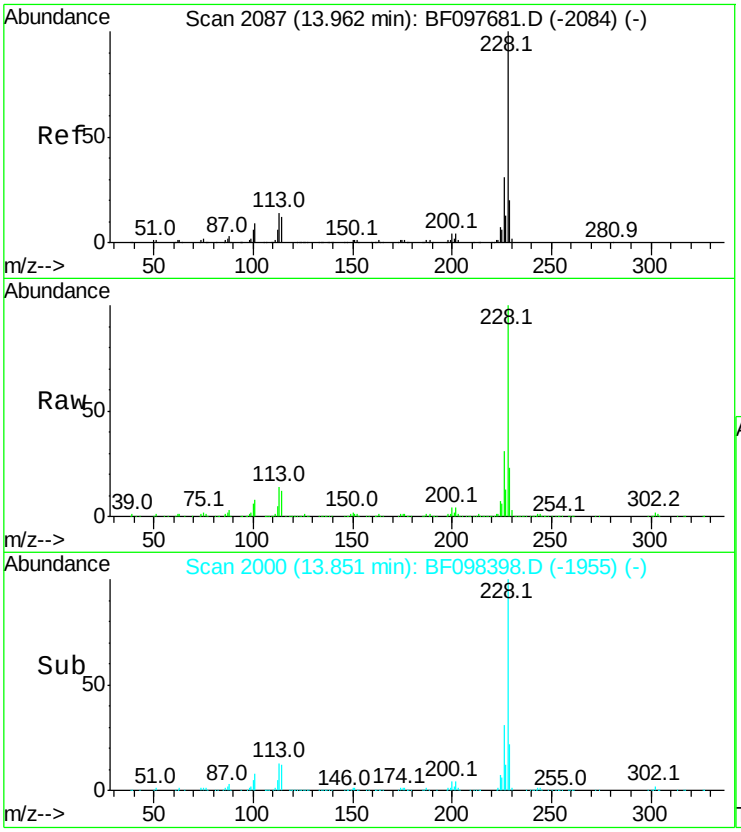


#80
Benzo(a)anthracene
Concen: 27.075 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:228 Resp: 340508

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.0	16.3	24.5



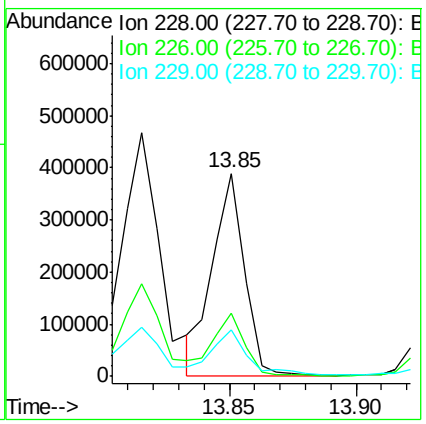


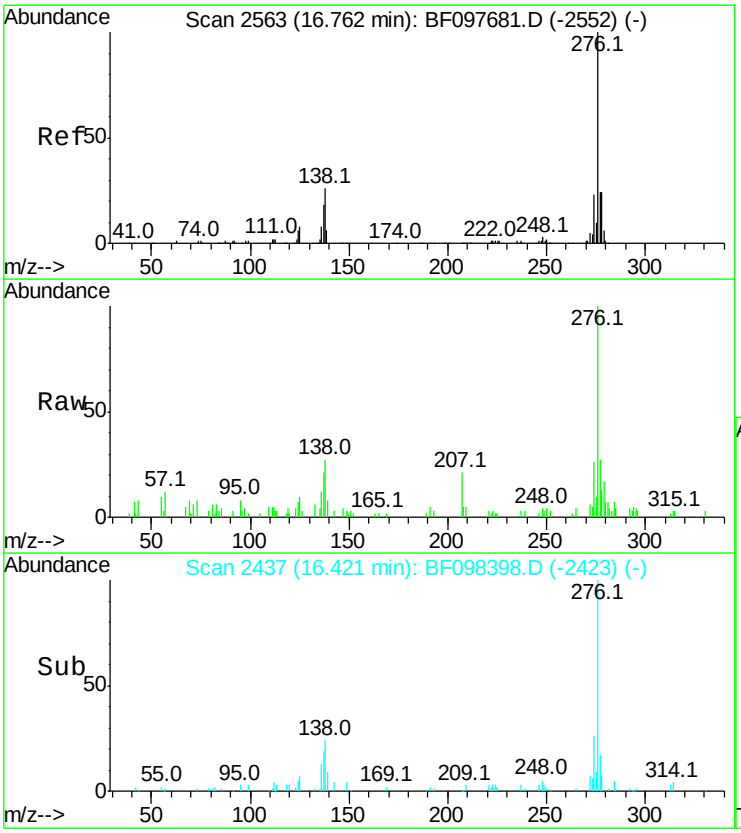
#82
Chrysene
Concen: 27.217 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 340508

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.0	15.8	23.6

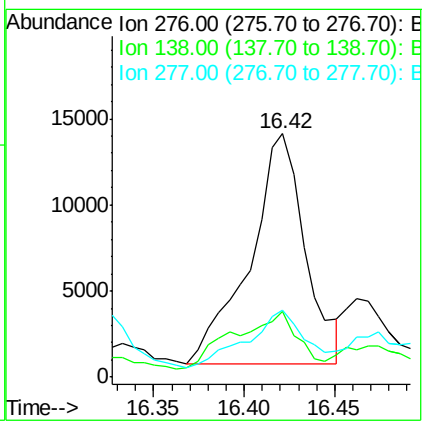


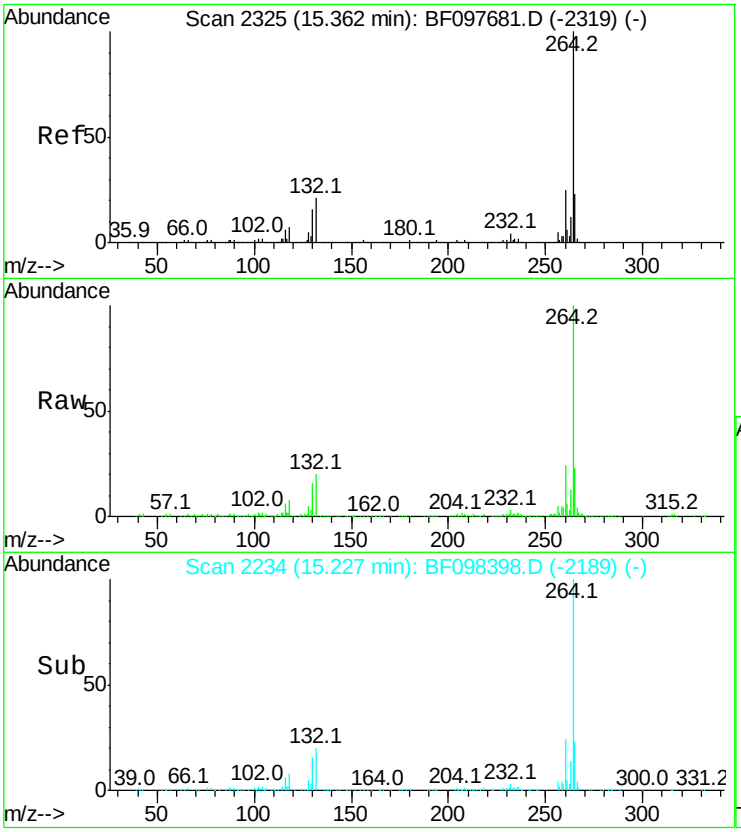


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.117 ng
RT: 16.42 min Scan# 2437
Delta R.T. -0.22 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:276 Resp: 28684

Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	25.2	20.2	30.4



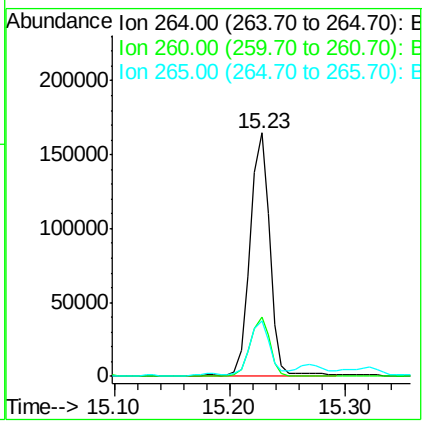


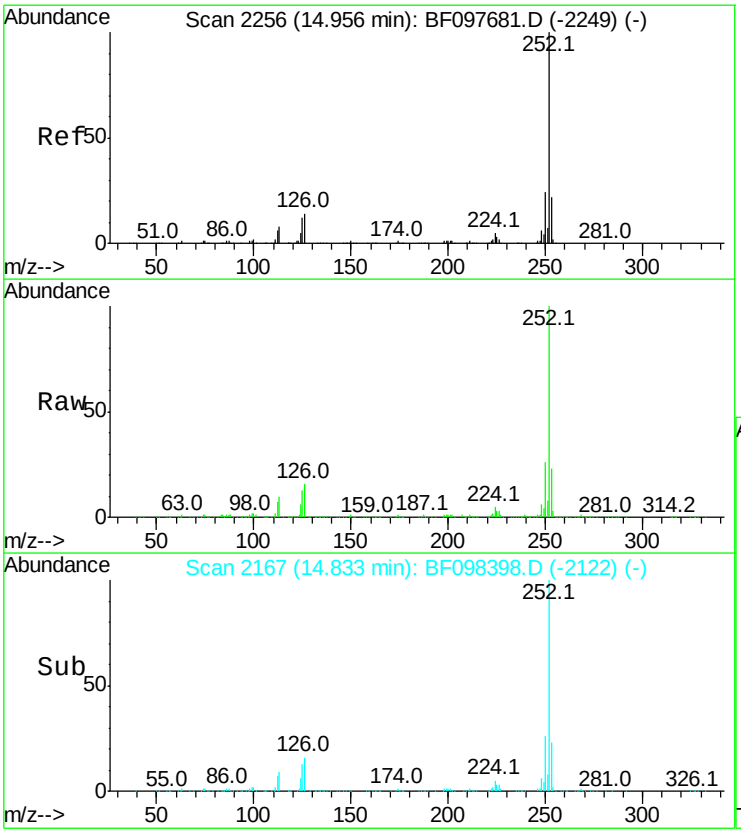
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 198342

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.9	17.2	25.8

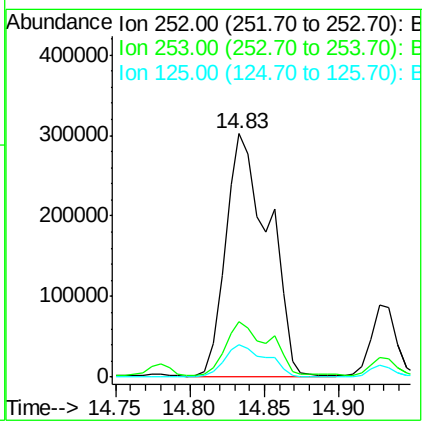


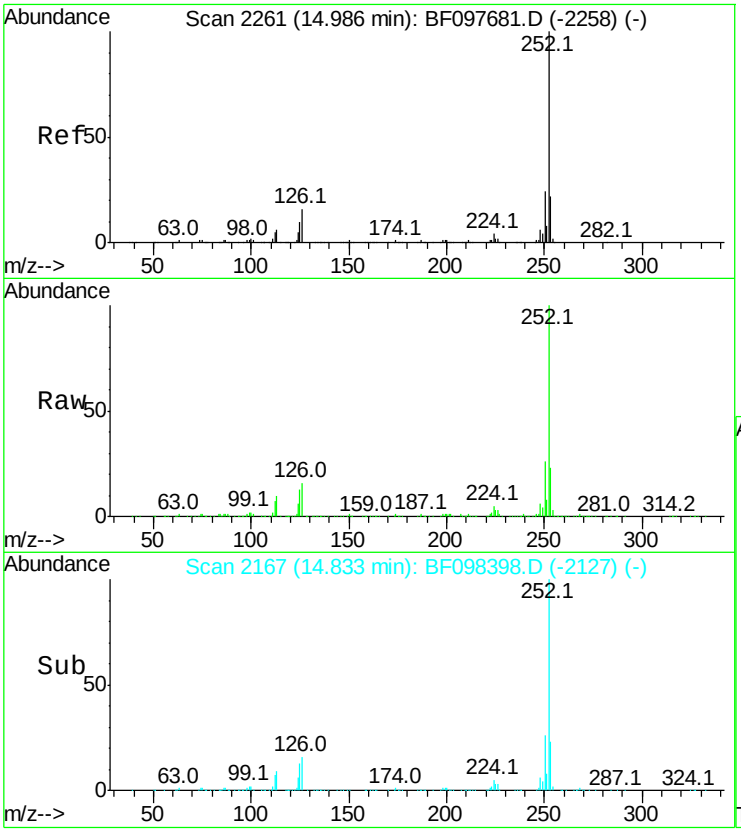


#87
Benzo(b)fluoranthene
Concen: 48.088 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:252 Resp: 601203

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.3	9.8	14.8



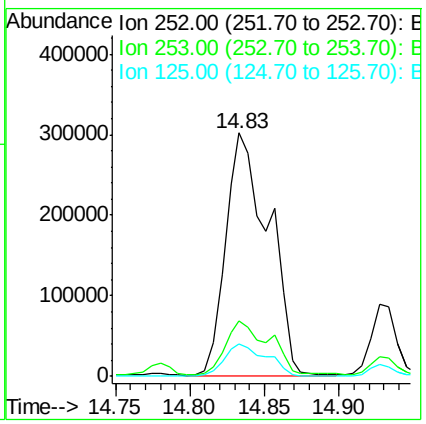


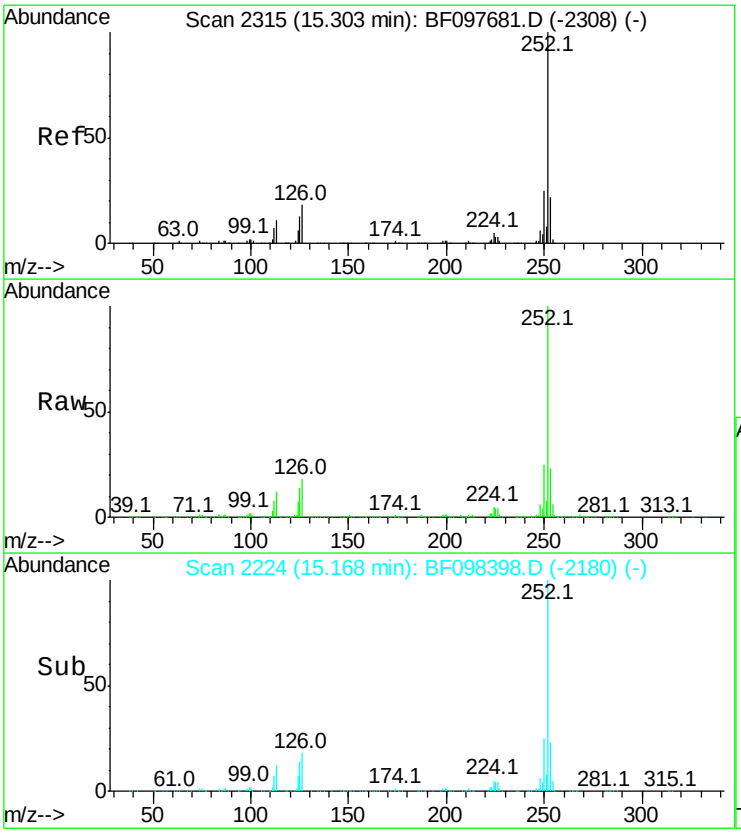
#88
Benzo(k)fluoranthene
Concen: 51.185 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.06 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 601203

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	13.3	13.1	19.7

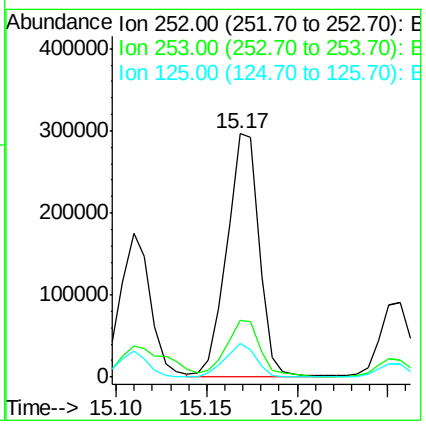


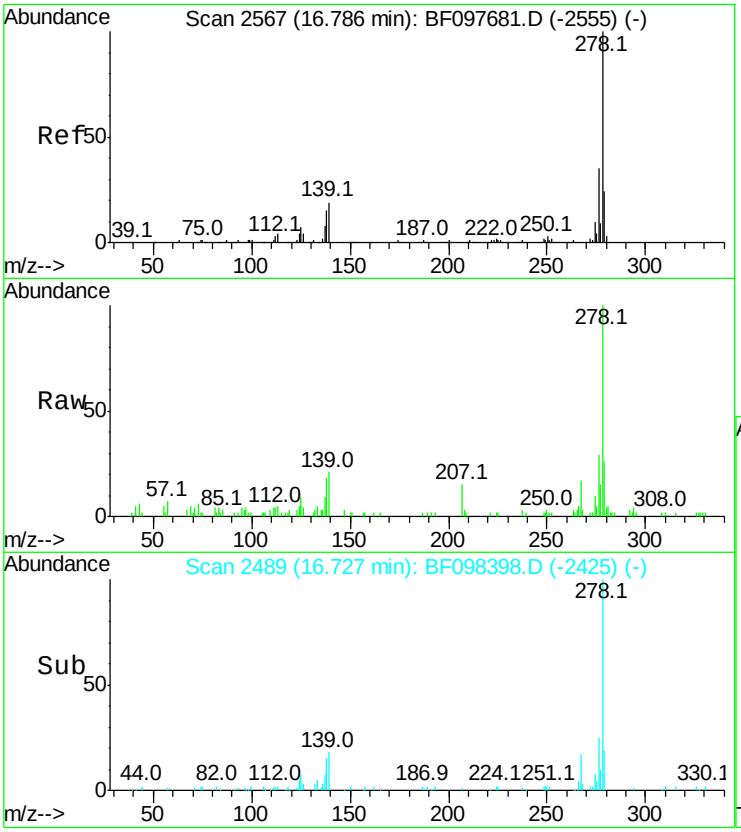


#89
Benzo(a)pyrene
Concen: 32.959 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:252 Resp: 364788

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.8	11.0	16.4



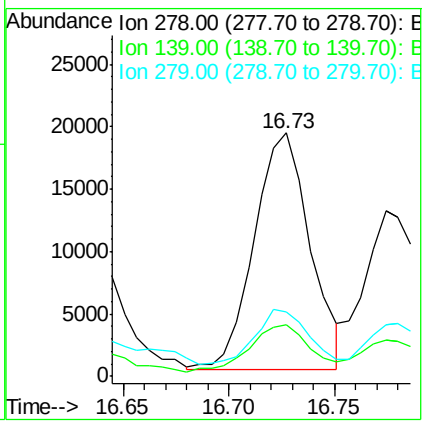


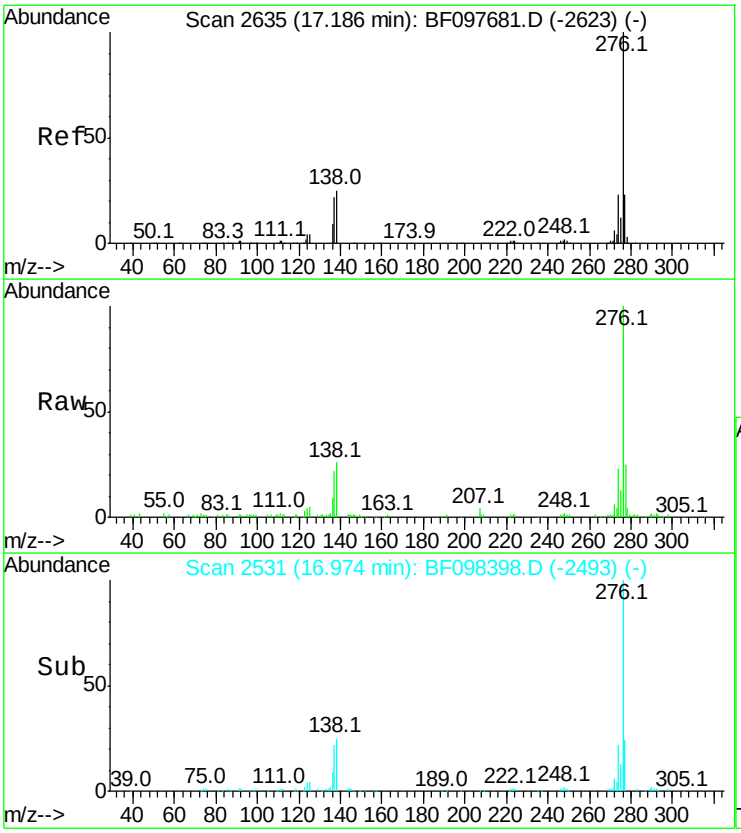
#90
Dibenzo(a,h)anthracene
Concen: 3.866 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.08 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 34834

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.6	24.8
279	26.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 15.780 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.08 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion:276 Resp: 148360

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	25.8	25.4	38.0