Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098396.D
Acq On : 9 Sep 2017 20:02
Operator : SJ/JU
Sample : I5151-02 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 11 04:15:09 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	101094	20.00	ng		-0.03
21) Naphthalene-d8	7.96	136	379026	20.00	ng		-0.02
38) Acenaphthene-d10	9.71	164	165336	20.00	ng		-0.03
63) Phenanthrene-d10	11.19	188	274684	20.00	ng		-0.03
75) Chrysene-d12	13.83	240	210726	20.00	ng		-0.04
86) Perylene-d12	15.23	264	201823	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	17576	2.64	ng		-0.02
7) Phenol-d6	6.33	99	26135	2.89	ng		-0.02
23) Nitrobenzene-d5	7.24	82	14171	2.03	ng		-0.04
41) 2,4,6-Tribromophenol	10.50	330	2990	2.08	ng		-0.04
44) 2-Fluorobiphenyl	9.03	172	25427	2.26	ng		-0.04
78) Terphenyl-d14	12.77	244	17332	1.72	ng		-0.04
Target Compounds							Qvalue
31) Naphthalene	7.99	128	2785994	141.585	ng		98
32) Benzoic acid	7.99	122	6351	7.653	ng	#	1
33) 4-Chloroaniline	7.99	127	388492	46.814	ng	#	34
35) Caprolactam	8.67	113	13923	8.154	ng	#	1
37) 2-Methylnaphthalene	8.67	142	606221	50.251	ng		99
45) 1,1'-Biphenyl	9.13	154	196994	13.066	ng		97
48) Acenaphthylene	9.57	152	156542	8.948	ng		97
49) Dimethylphthalate	9.71	163	49109	4.063	ng	#	1
51) Acenaphthene	9.75	154	619713	56.168	ng		99
54) Dibenzofuran	9.92	168	591455	39.998	ng		97
55) 4-Nitrophenol	9.92	139	217009	87.403	ng	#	27
57) Fluorene	10.26	166	503751	44.063	ng		97
70) Phenanthrene	11.23	178	1776154	121.346	ng		99
71) Anthracene	11.27	178	585993	39.472	ng		99
72) Carbazole	11.42	167	210106	14.910	ng		99
74) Fluoranthene	12.41	202	1261520	82.572	ng		99
77) Pyrene	12.63	202	1109994	64.404	ng		98
80) Benzo(a)anthracene	13.85	228	348458	27.590	ng		94
82) Chrysene	13.85	228	348458	27.735	ng		96
85) Indeno(1,2,3-cd)pyrene	16.42	276	27926	3.022	ng		95
87) Benzo(b)fluoranthene	14.83	252	630788	49.584	ng		99
88) Benzo(k)fluoranthene	14.83	252	630788	52.777	ng		97
89) Benzo(a)pyrene	15.17	252	381881	33.909	ng		97
90) Dibenzo(a,h)anthracene	16.73	278	34048	3.714	ng		92
91) Benzo(g,h,i)perylene	16.97	276	157008	16.412	ng		94

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

Quantitation Report (Not Reviewed)

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Acq On : 9 Sep 2017 20:02
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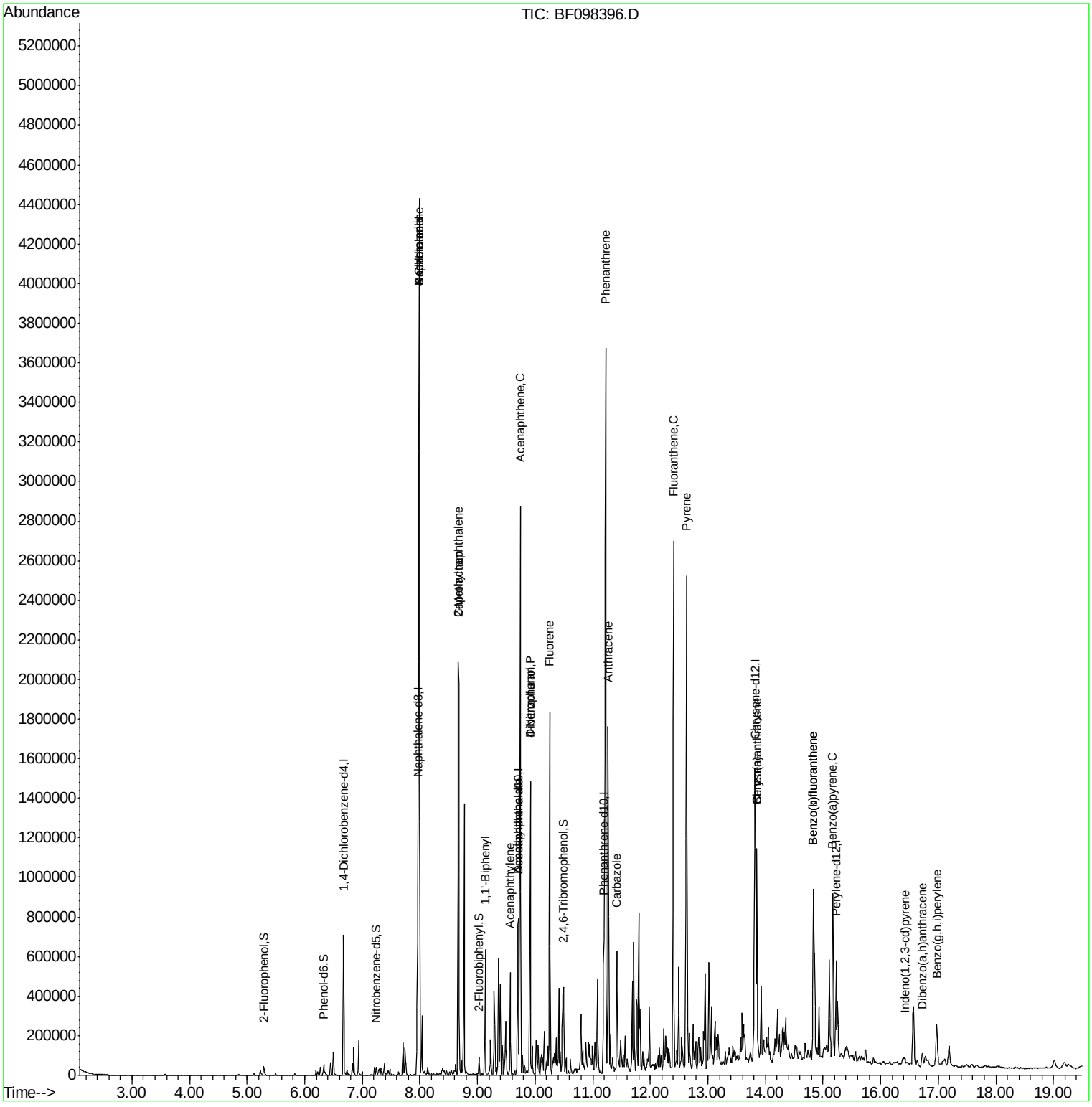
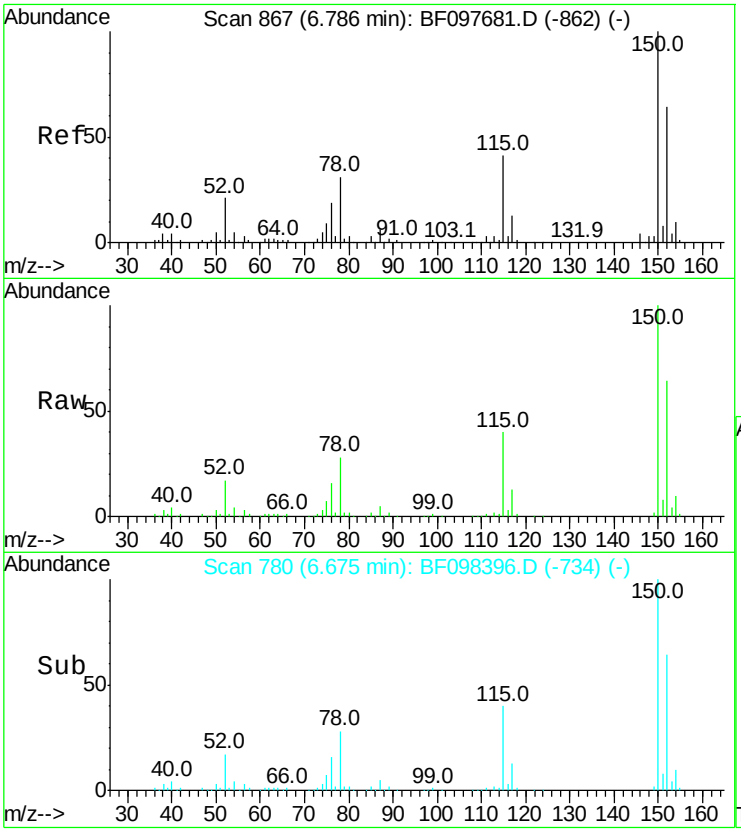
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 11 04:15:09 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



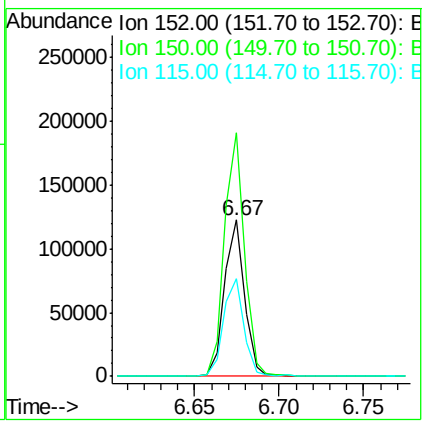


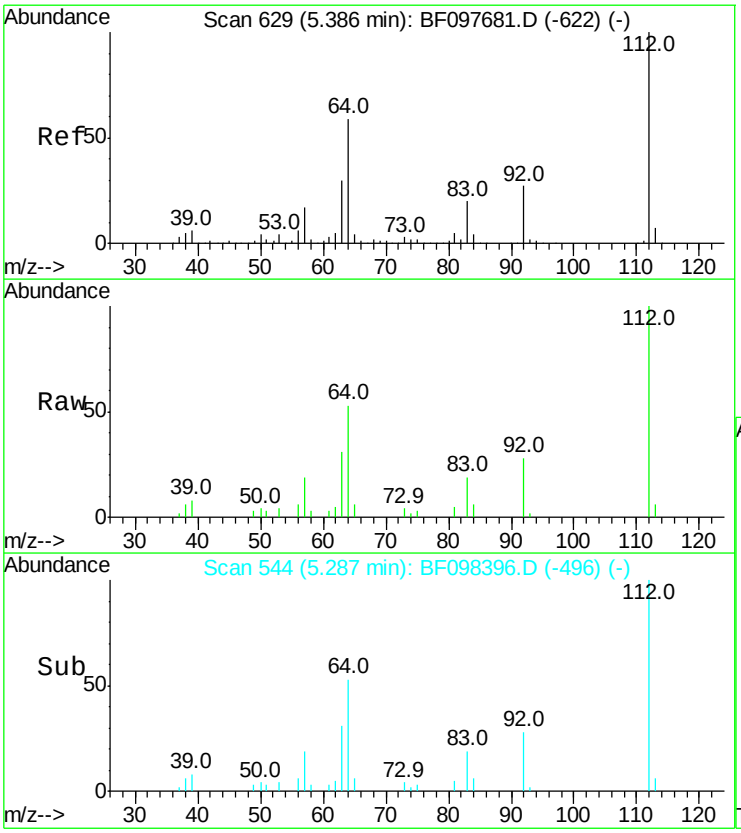
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 101094

Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	62.4	52.2	78.2

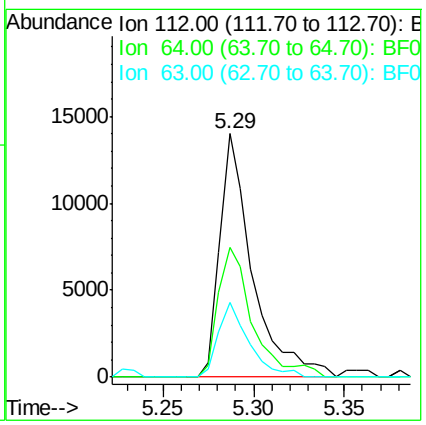


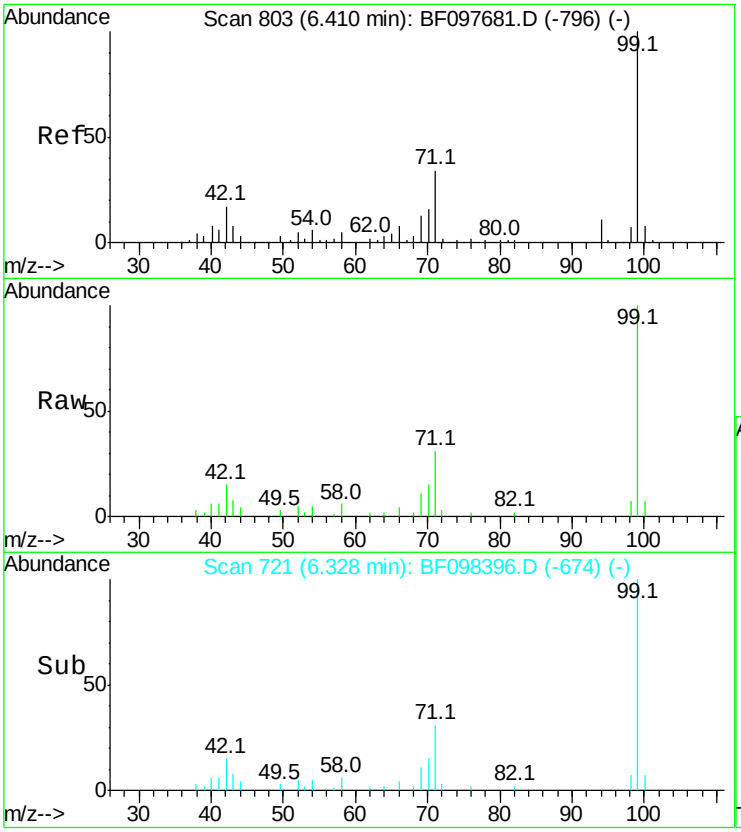


#5
2-Fluorophenol
Concen: 2.645 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:112 Resp: 17576

Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	30.5	23.4	35.0



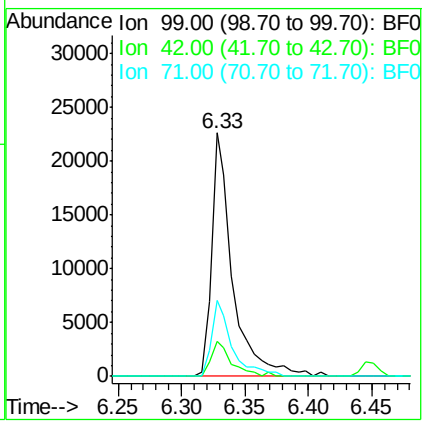


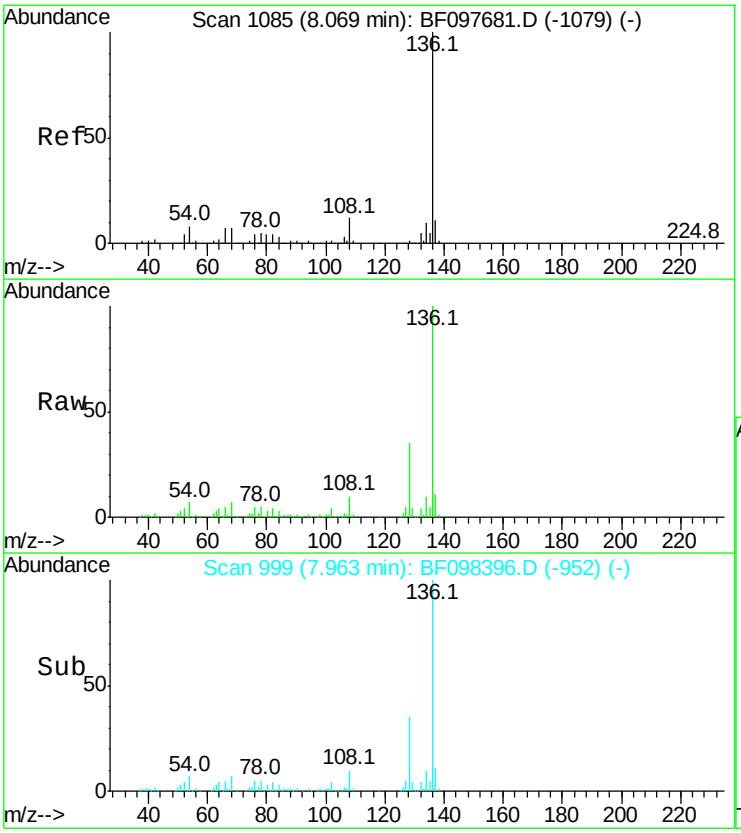
#7
Phenol-d6
Concen: 2.894 ng
RT: 6.33 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 26135

Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.5	20.3
71	31.2	24.5	36.7

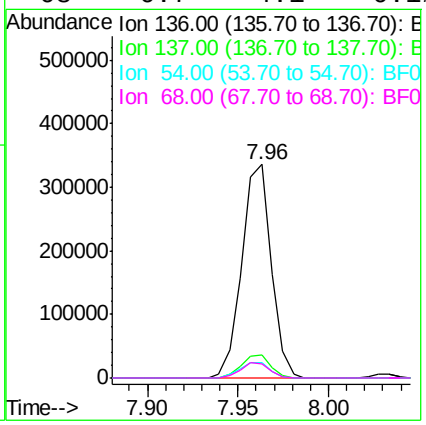


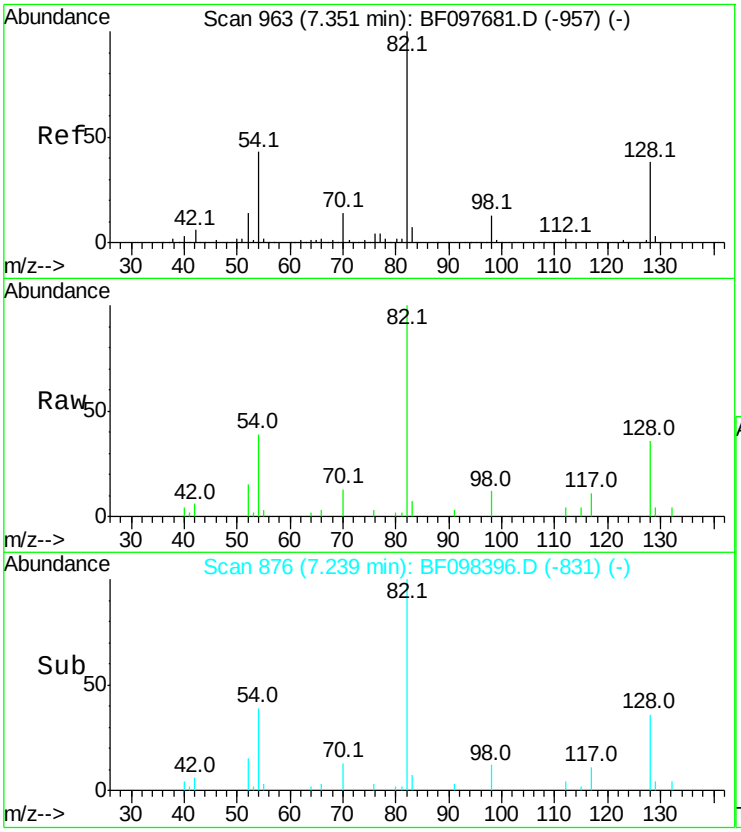


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:136 Resp: 379026

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.1	4.9	7.3
68	6.7	4.1	6.1#



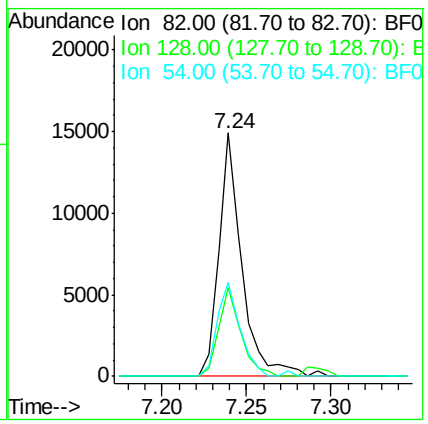


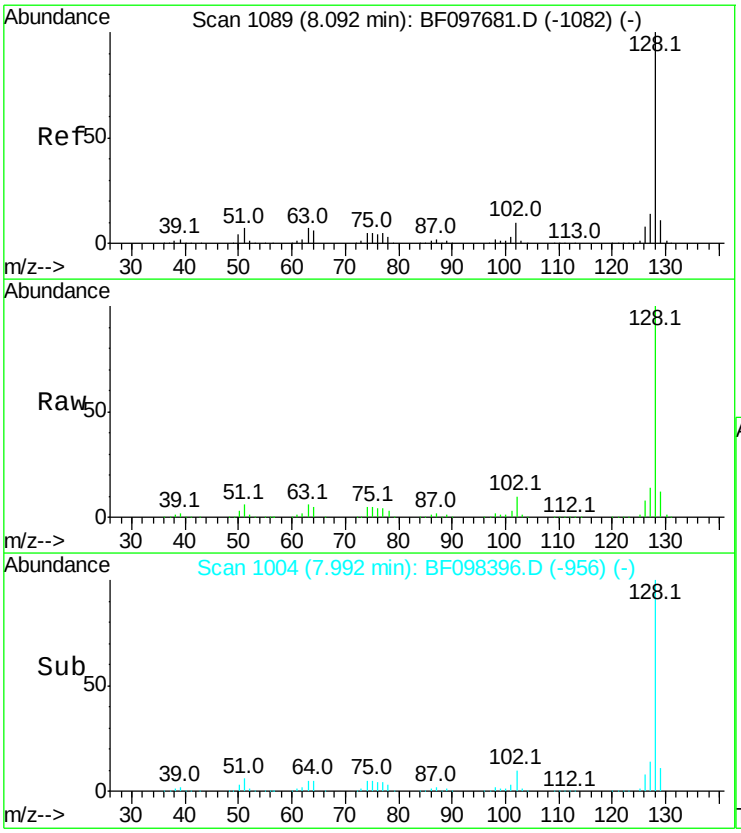
#23
Nitrobenzene-d5
Concen: 2.031 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 14171

Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.0	51.0
54	38.6	42.2	63.2#

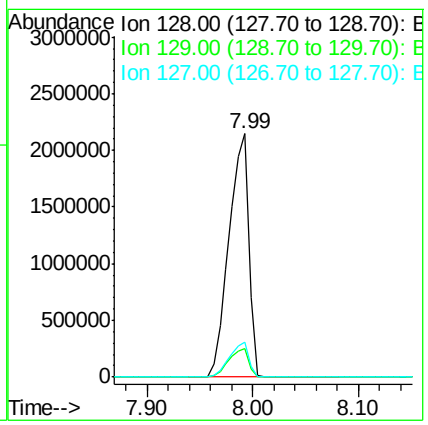


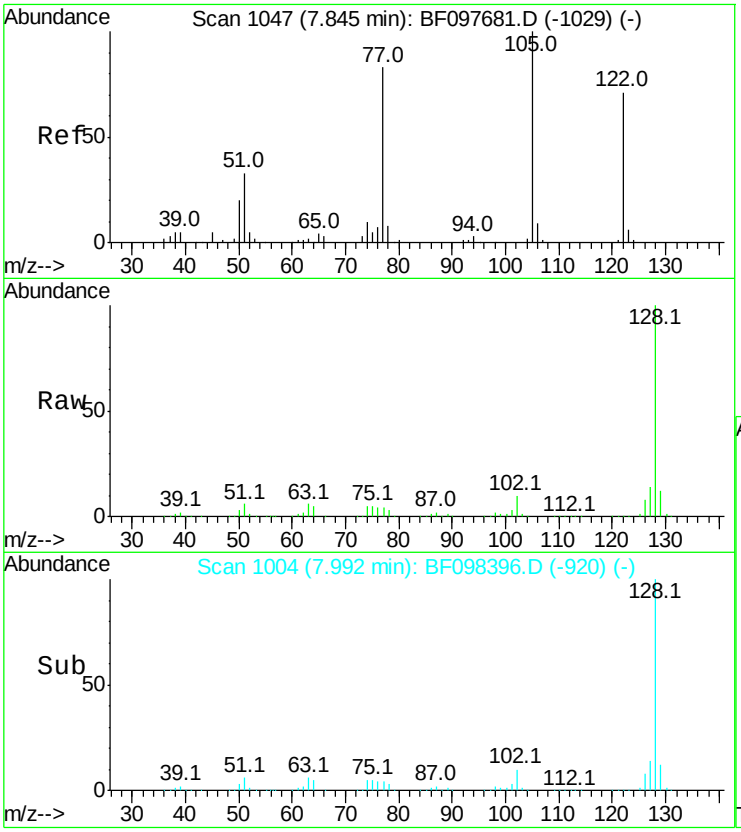


#31
Naphthalene
Concen: 141.585 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:128 Resp: 2785994

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	14.4	10.8	16.2



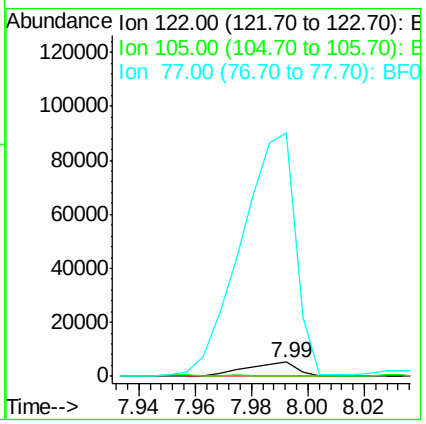


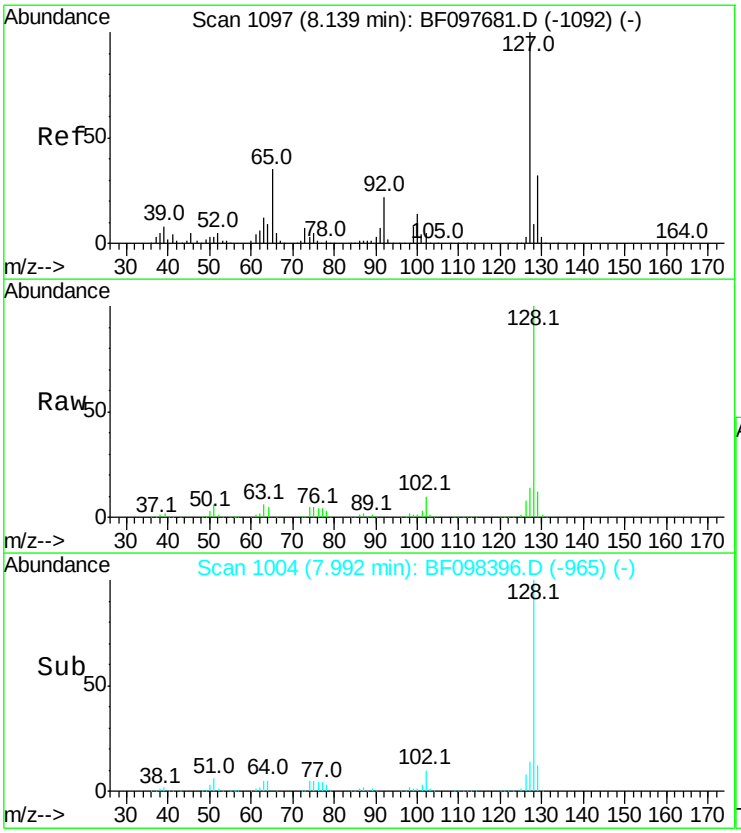
#32
Benzoic acid
Concen: 7.653 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.19 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 6351

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	1713.9	73.7	113.7#

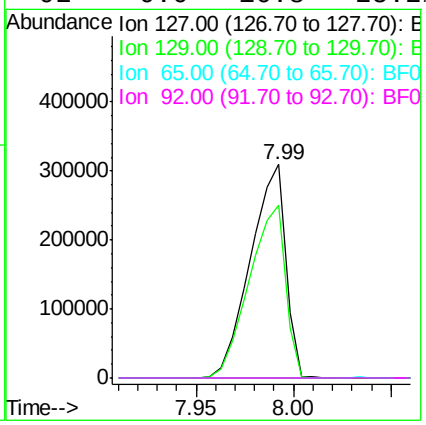


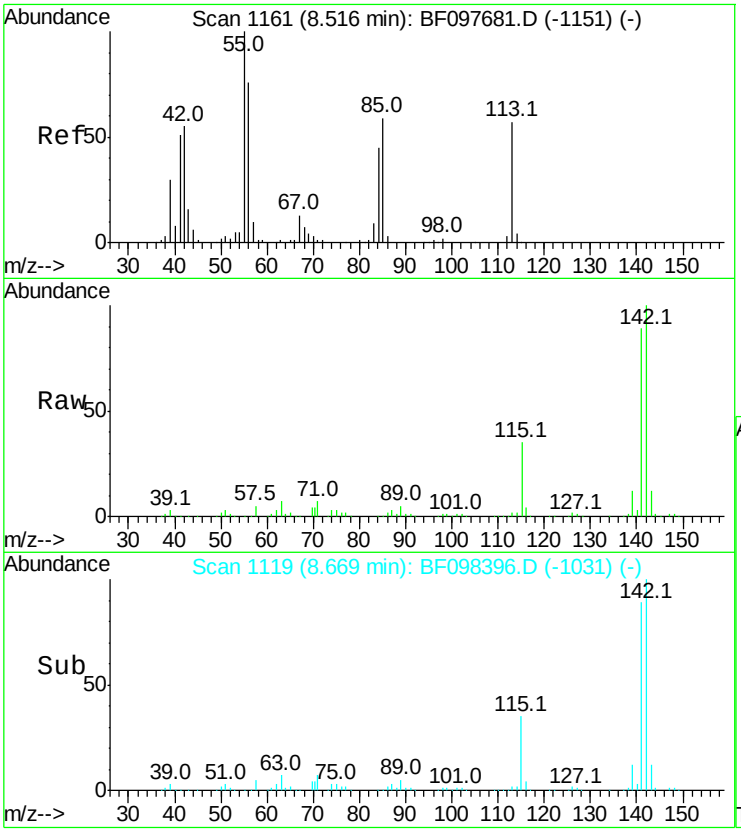


#33
4-Chloroaniline
Concen: 46.814 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.07 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:127 Resp: 388492

Ion	Ratio	Lower	Upper
127	100		
129	81.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



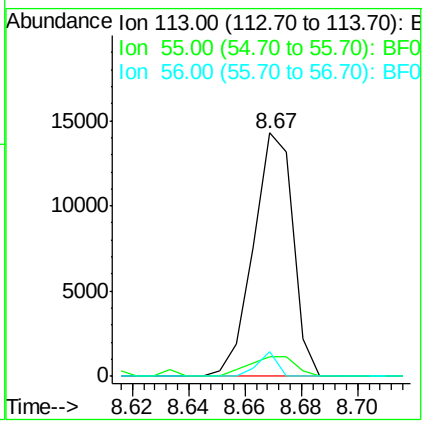


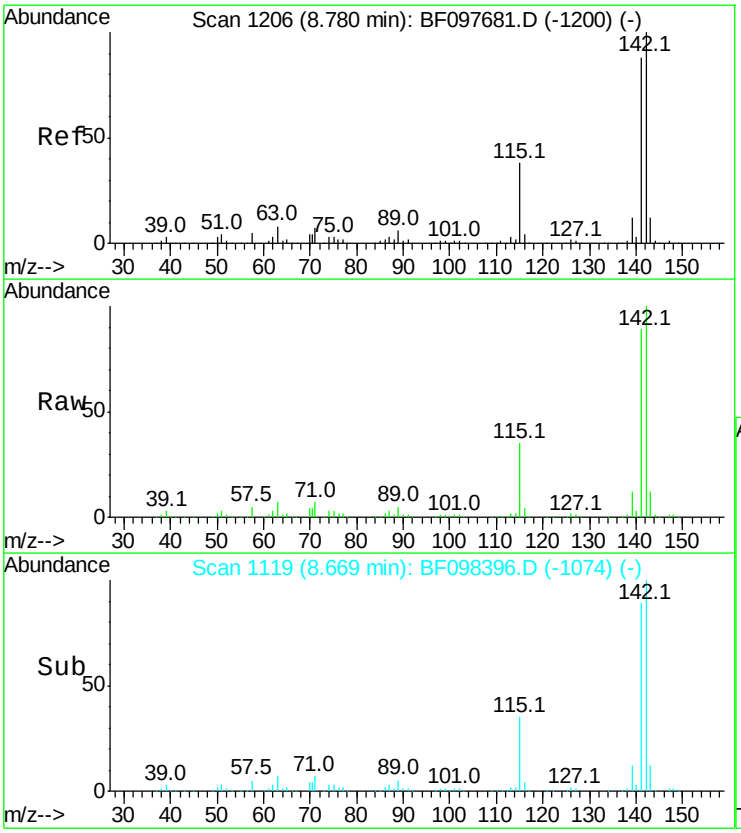
#35
Caprolactam
Concen: 8.154 ng
RT: 8.67 min Scan# 1119
Delta R.T. 0.22 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 13923

Ion	Ratio	Lower	Upper
113	100		
55	8.2	150.2	190.2#
56	10.0	107.8	147.8#

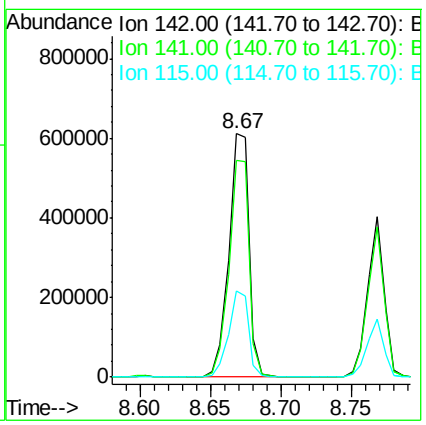


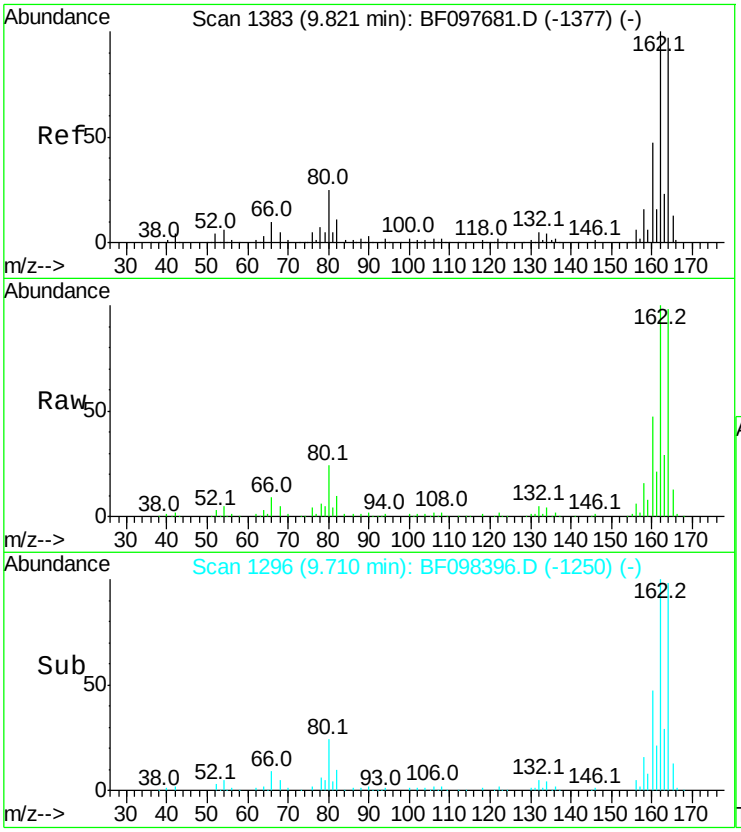


#37
2-Methylnaphthalene
Concen: 50.251 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:142 Resp: 606221

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	35.4	27.1	40.7



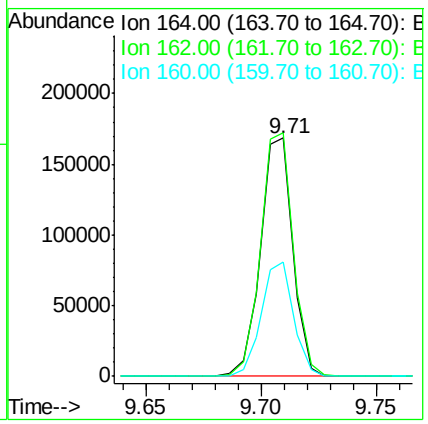


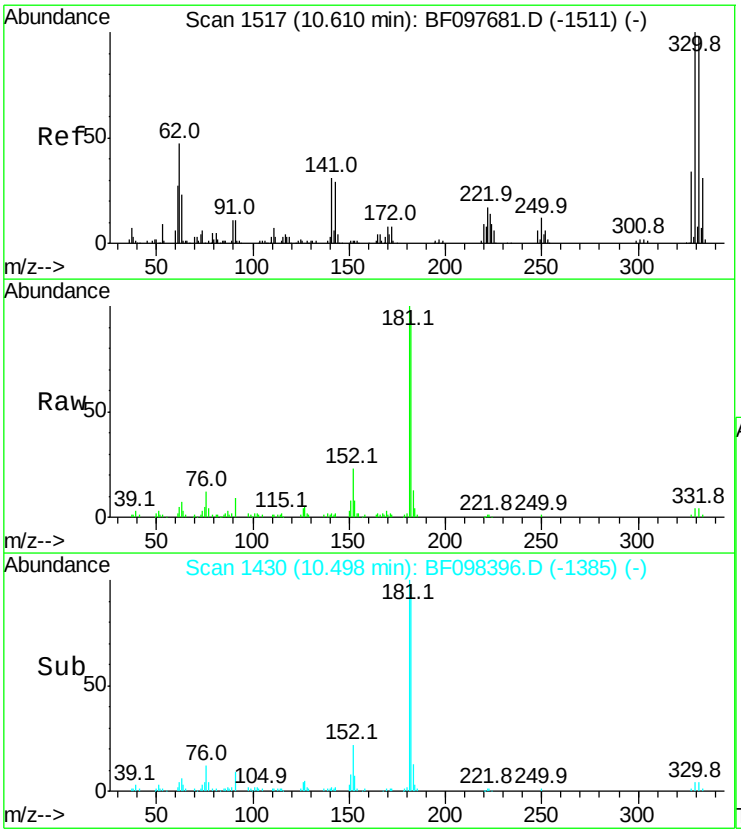
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 165336

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	47.7	36.2	54.2

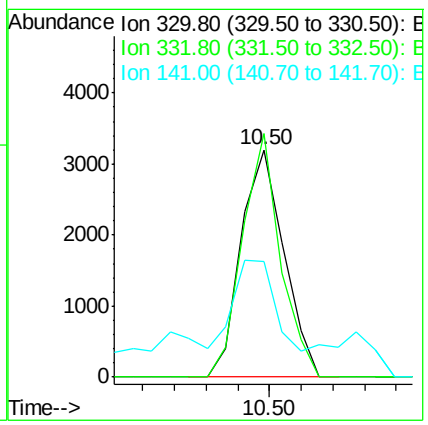


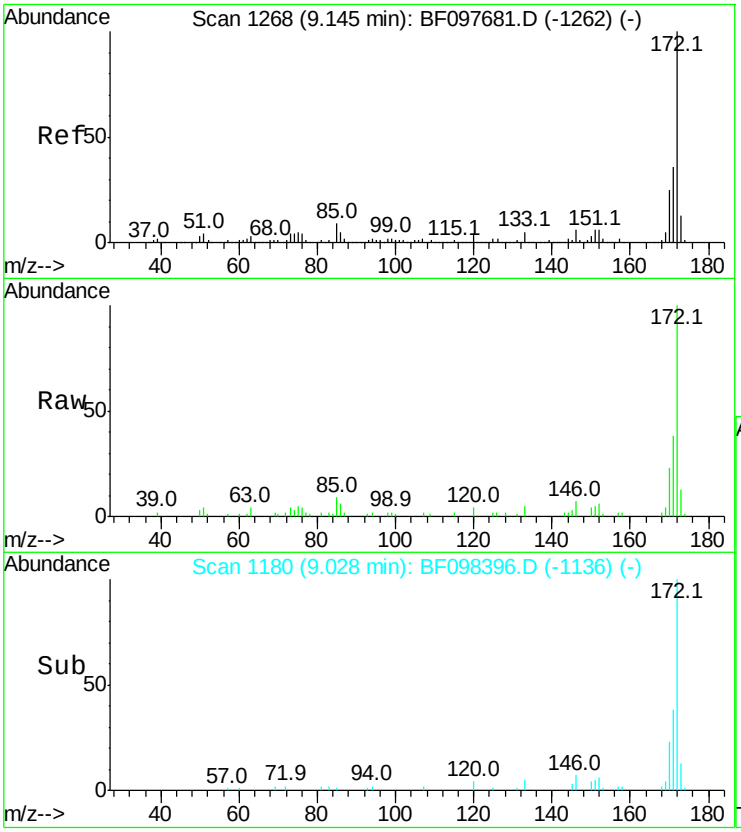


#41
2,4,6-Tribromophenol
Concen: 2.084 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:330 Resp: 2990

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	61.9	31.4	47.2#

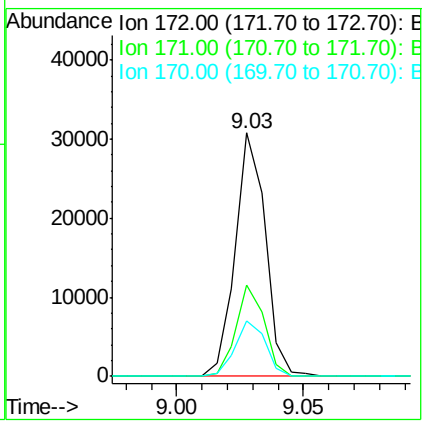




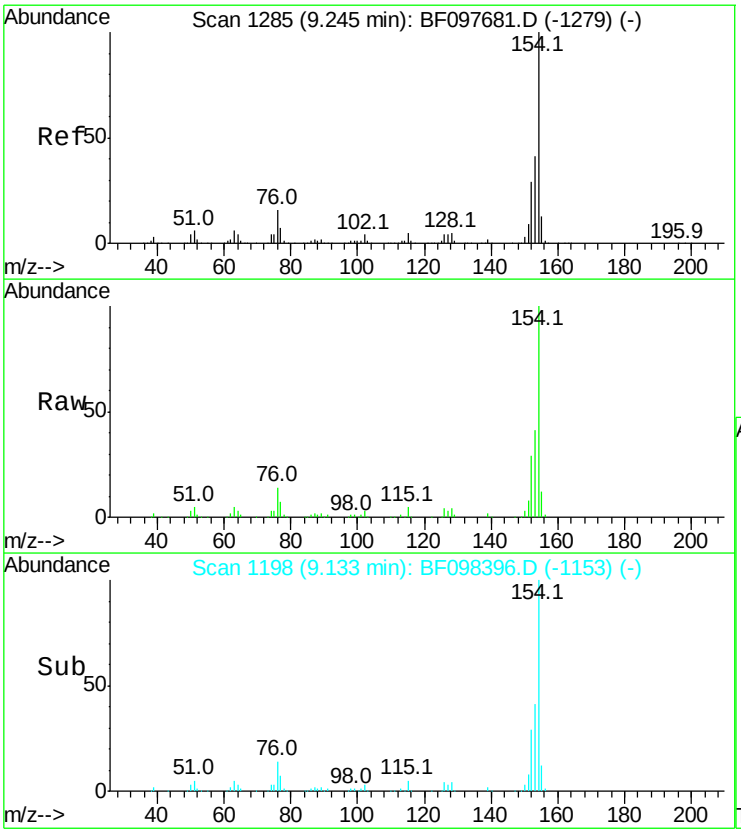
#44
2-Fluorobiphenyl
Concen: 2.259 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:172 Resp: 25427

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	22.8	19.8	29.8



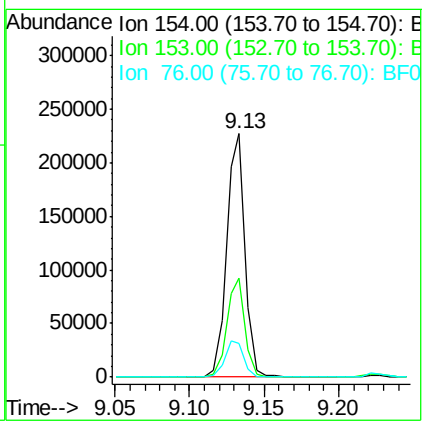
Instrument :
BNA_F
ClientSampleId :

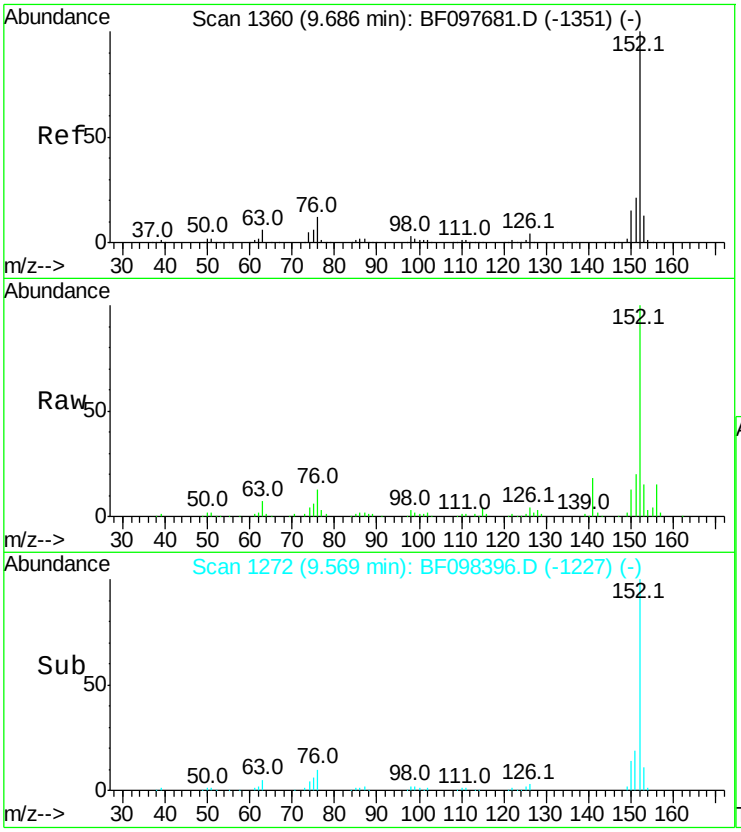


#45
1,1'-Biphenyl
Concen: 13.066 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:154 Resp: 196994

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.2	61.2
76	13.8	0.0	29.9



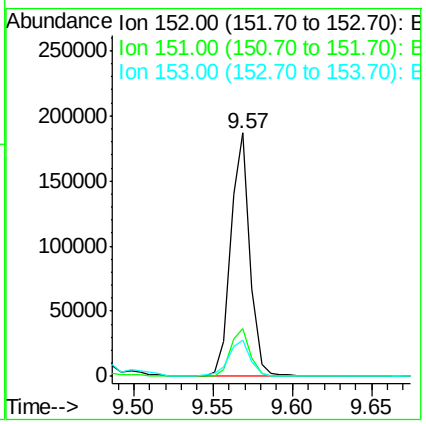


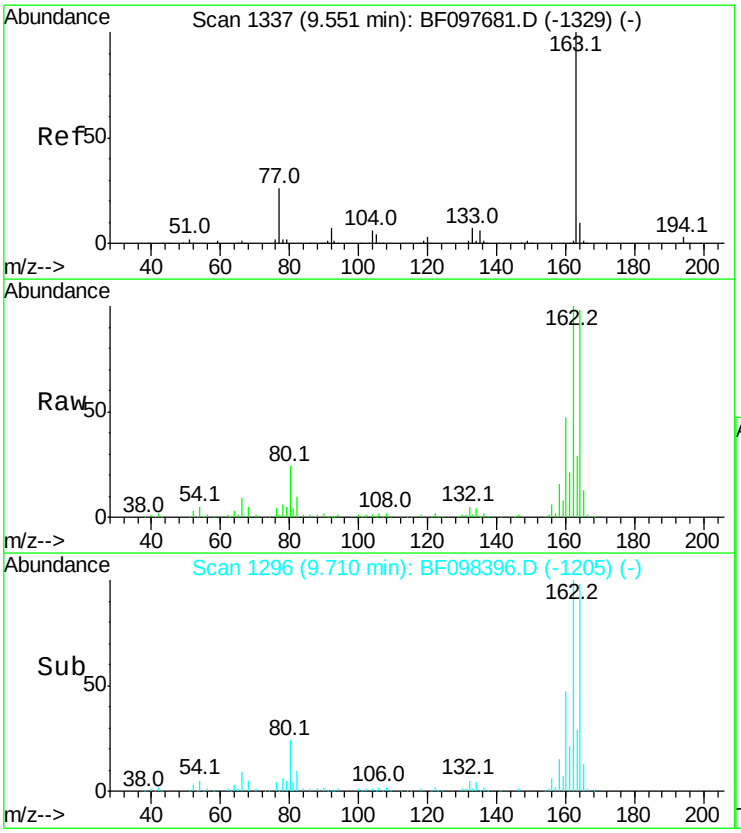
#48
Acenaphthylene
Concen: 8.948 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 156542

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	14.9	10.8	16.2

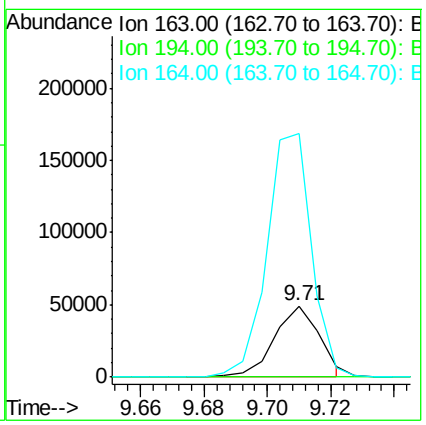


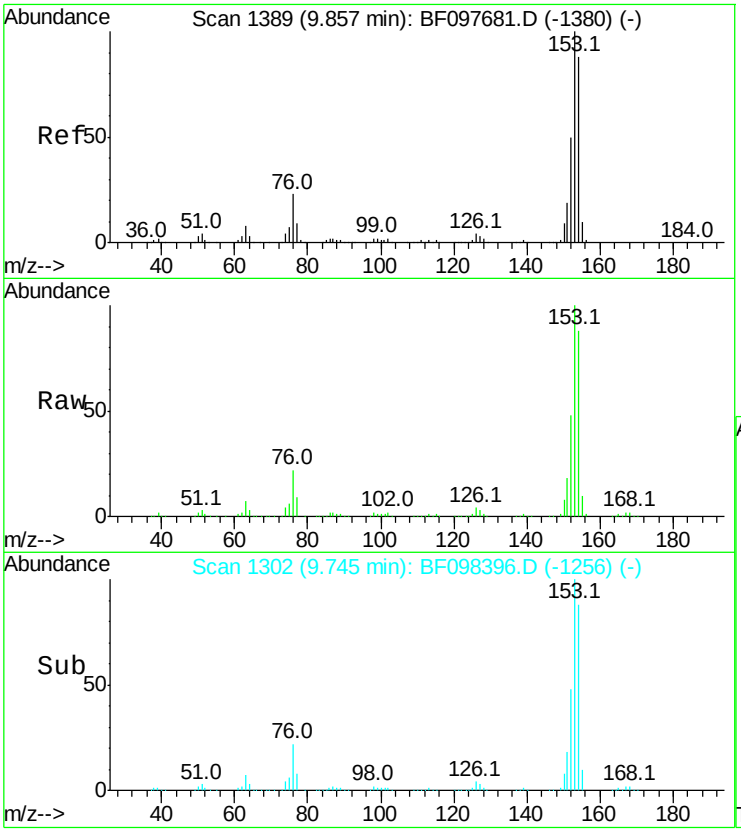


#49
Dimethylphthalate
Concen: 4.063 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.24 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:163 Resp: 49109

Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.6	4.0#
164	341.2	8.4	12.6#



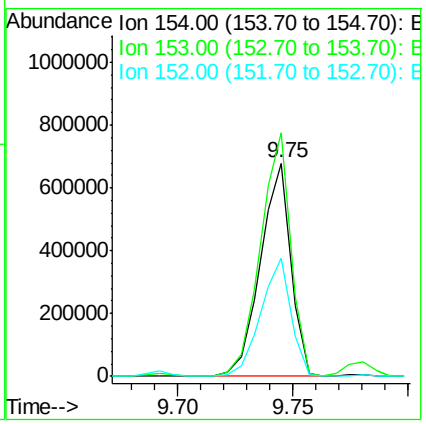


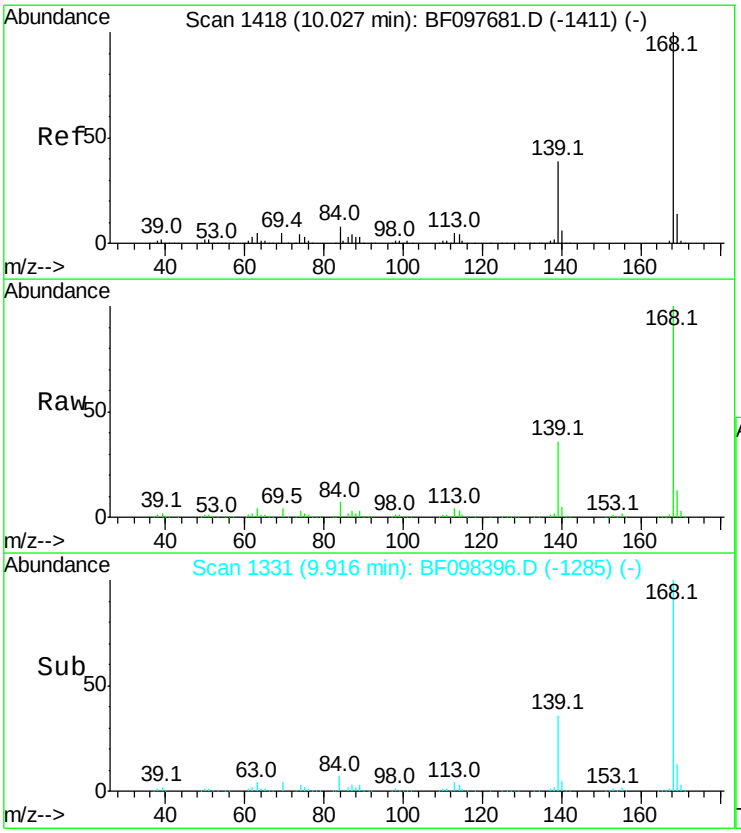
#51
Acenaphthene
Concen: 56.168 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 619713

Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	55.1	43.6	65.4

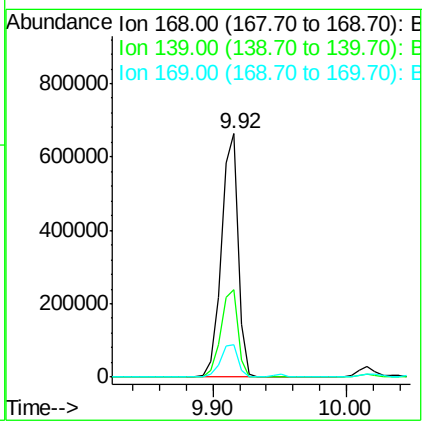


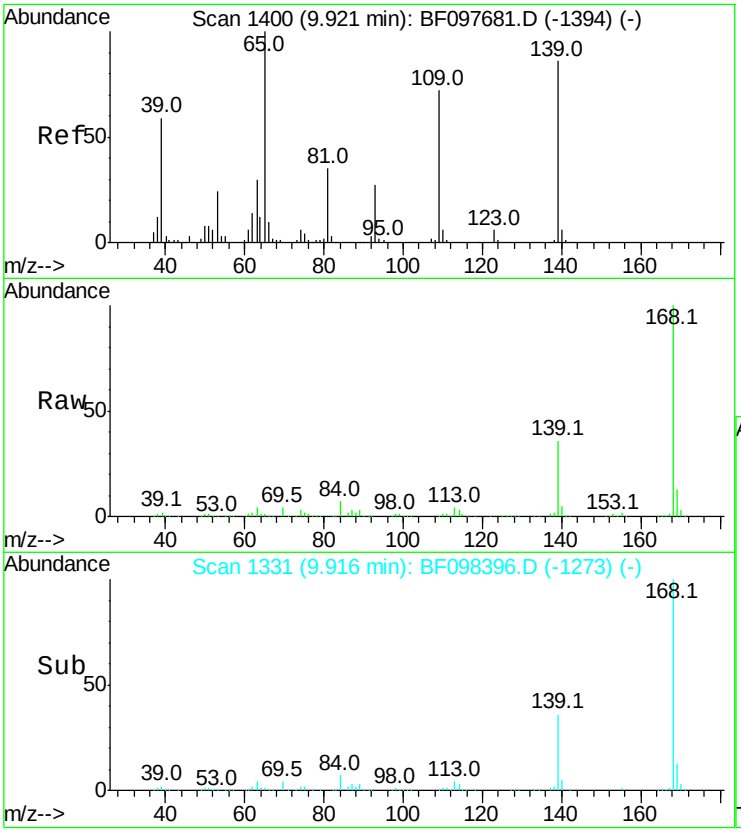


#54
Dibenzofuran
Concen: 39.998 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:168 Resp: 591455

Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.6	45.8
169	13.4	10.8	16.2



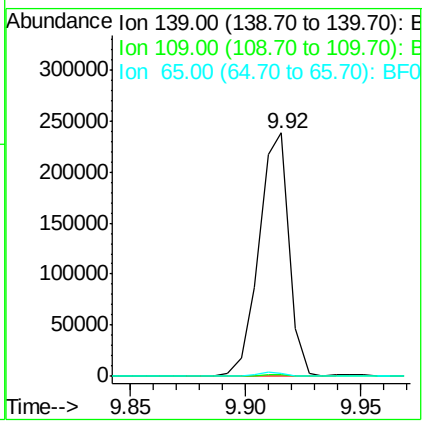


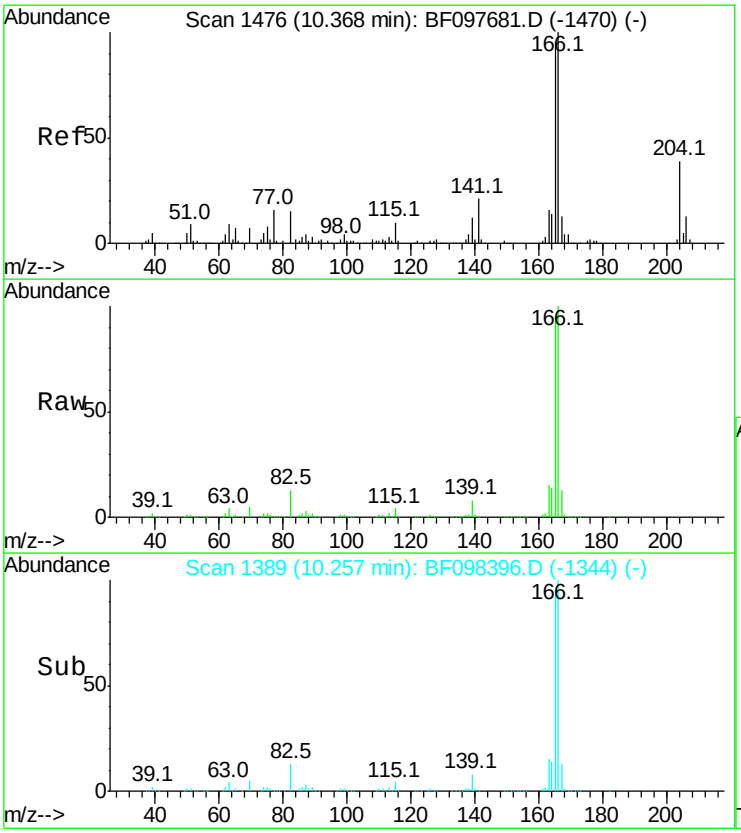
#55
4-Nitrophenol
Concen: 87.403 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 217009

Ion	Ratio	Lower	Upper
139	100		
109	0.8	34.1	74.1#
65	1.5	31.4	71.4#

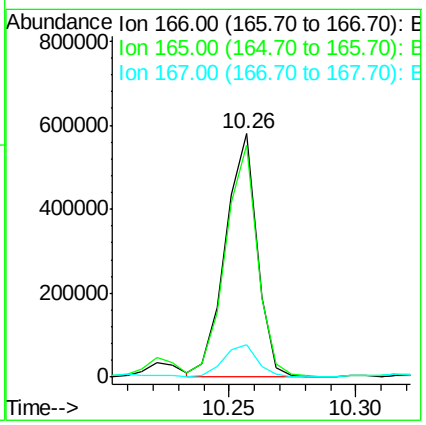


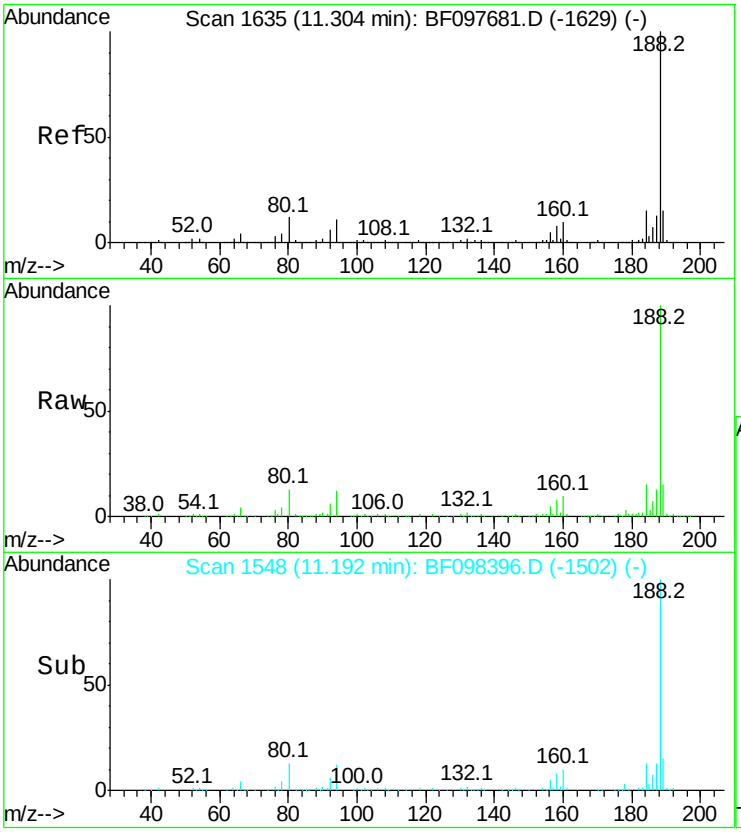


#57
Fluorene
Concen: 44.063 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:166 Resp: 503751

Ion	Ratio	Lower	Upper
166	100		
165	95.1	78.8	118.2
167	13.5	10.6	16.0



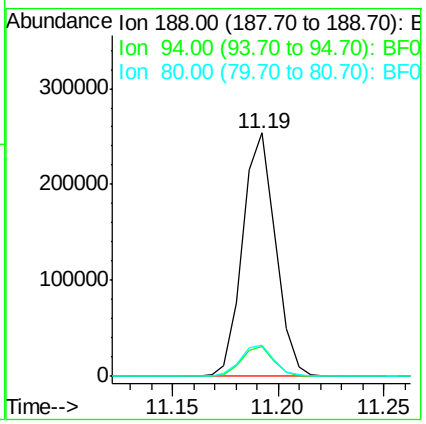


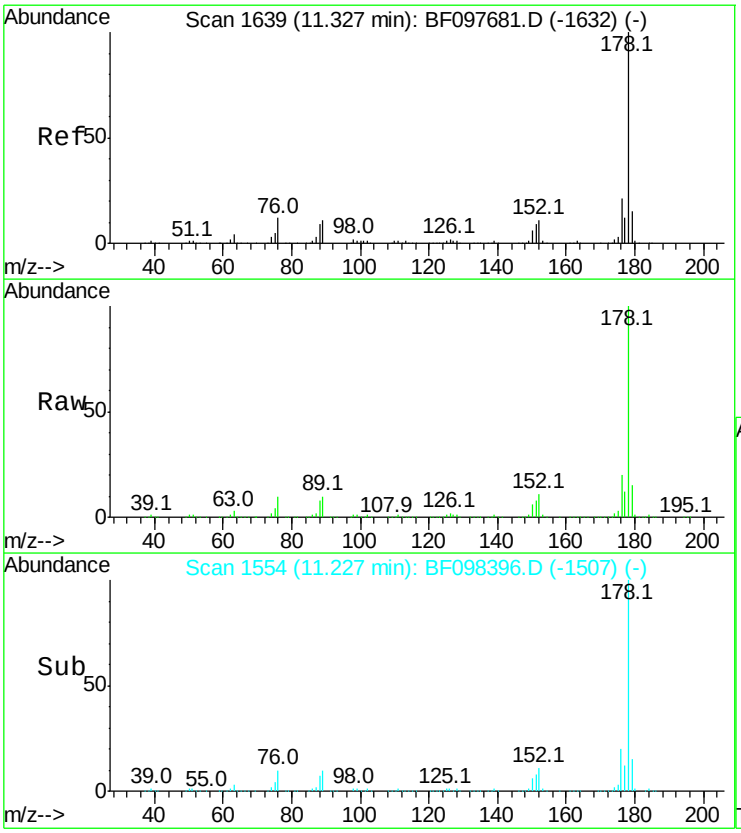
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 274684

Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	12.9	10.2	15.2

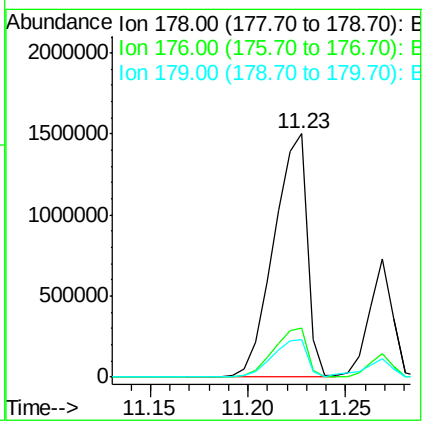


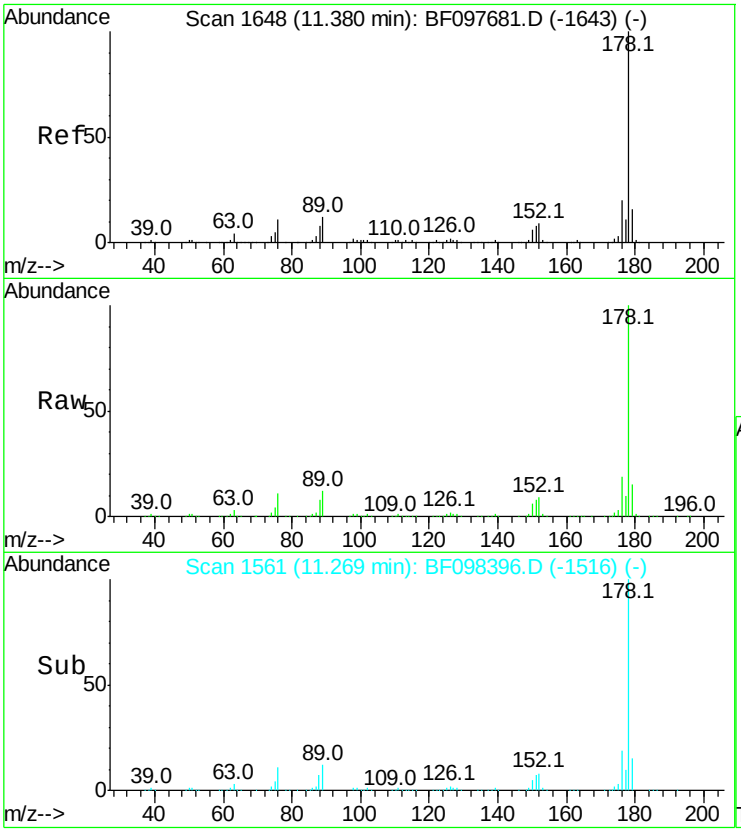


#70
Phenanthrene
Concen: 121.346 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:178 Resp: 1776154

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.5	12.6	19.0



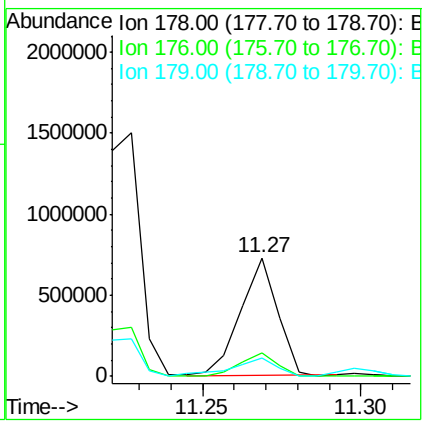


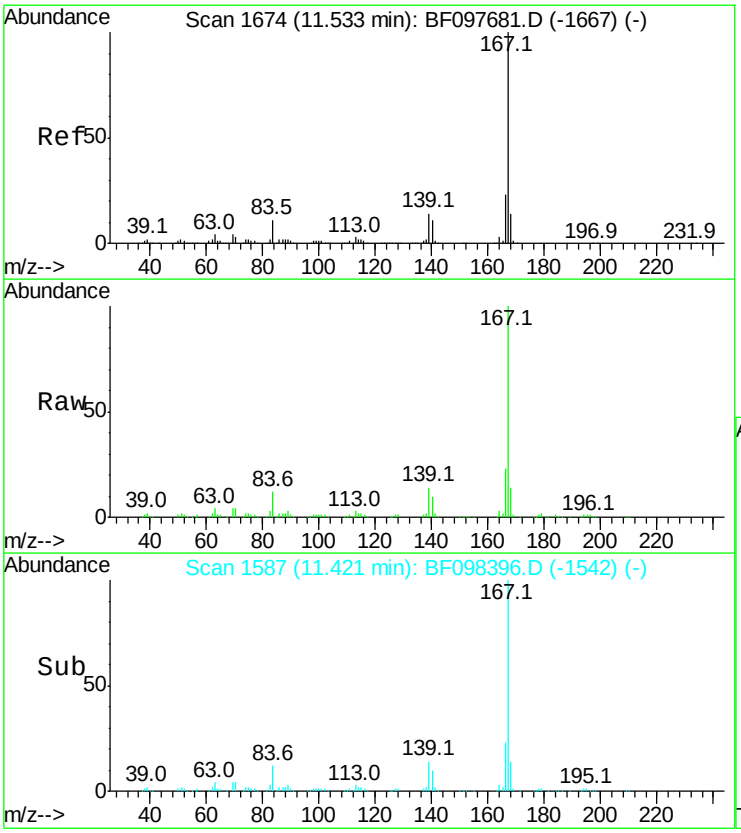
#71
Anthracene
Concen: 39.472 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 585993

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.4	12.7	19.1

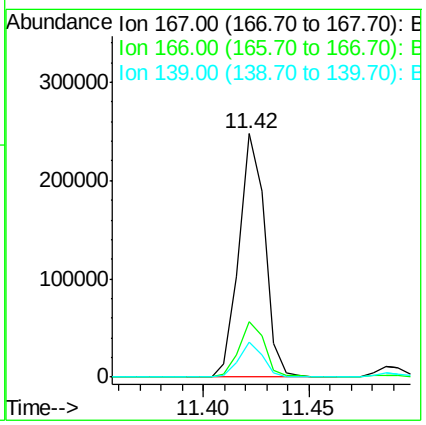


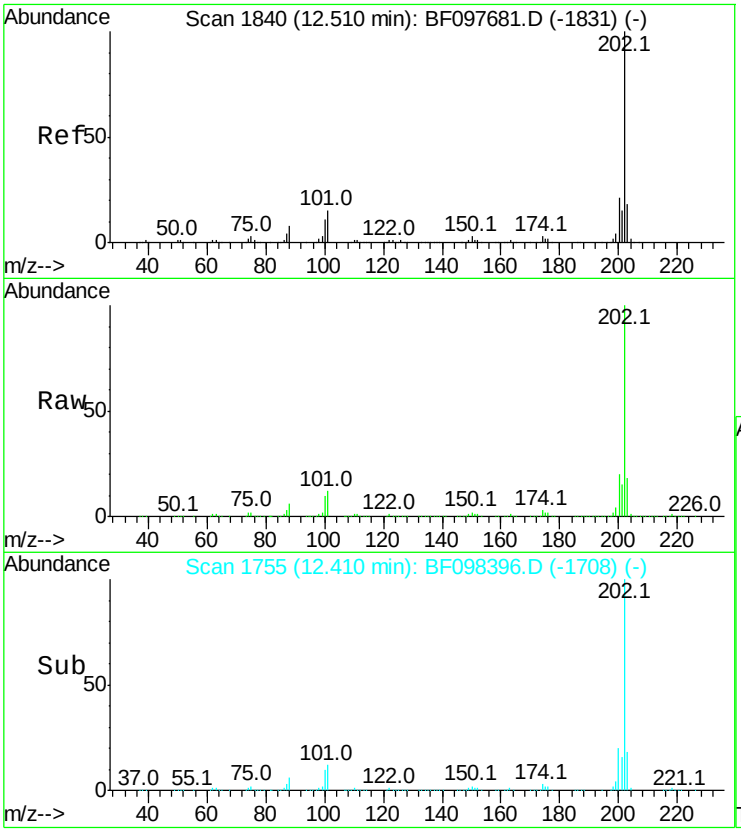


#72
Carbazole
Concen: 14.910 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:167 Resp: 210106

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.1	27.1
139	14.3	11.7	17.5



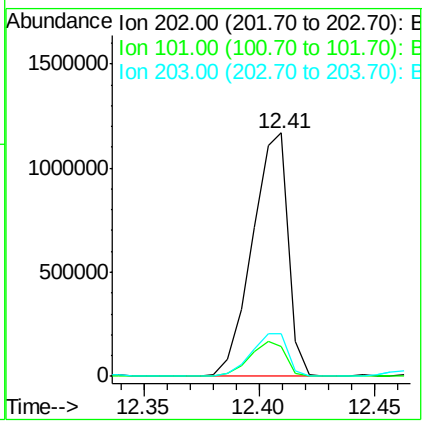


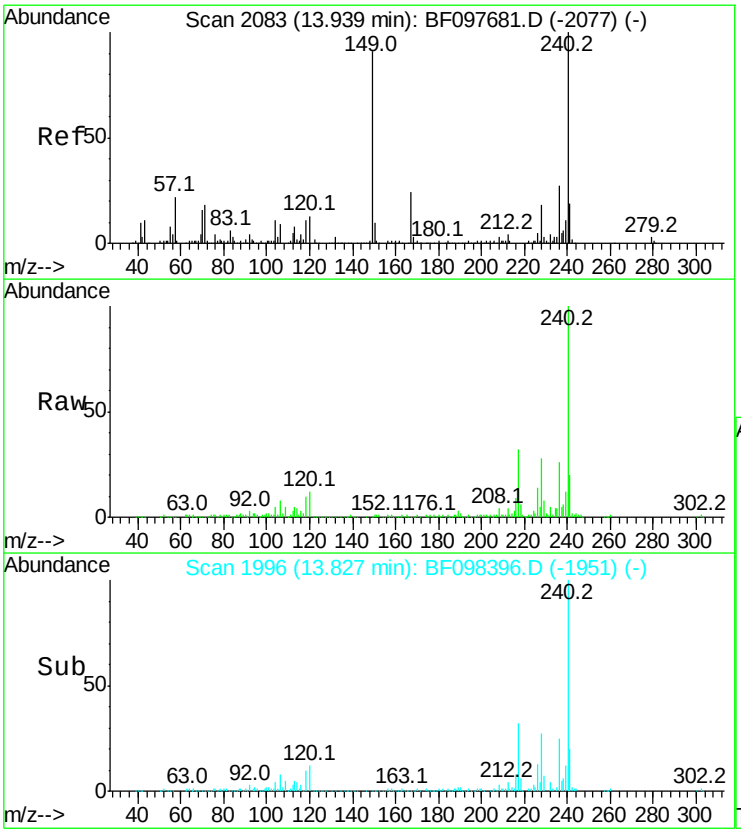
#74
Fluoranthene
Concen: 82.572 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1261520

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.7	0.0	38.1

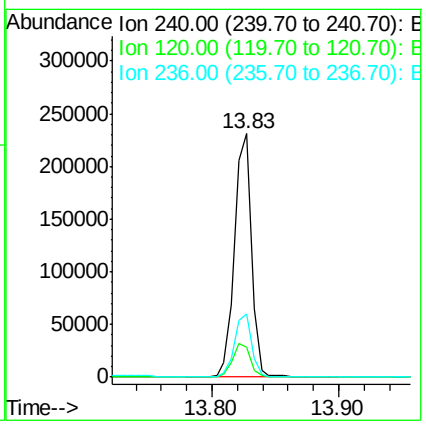


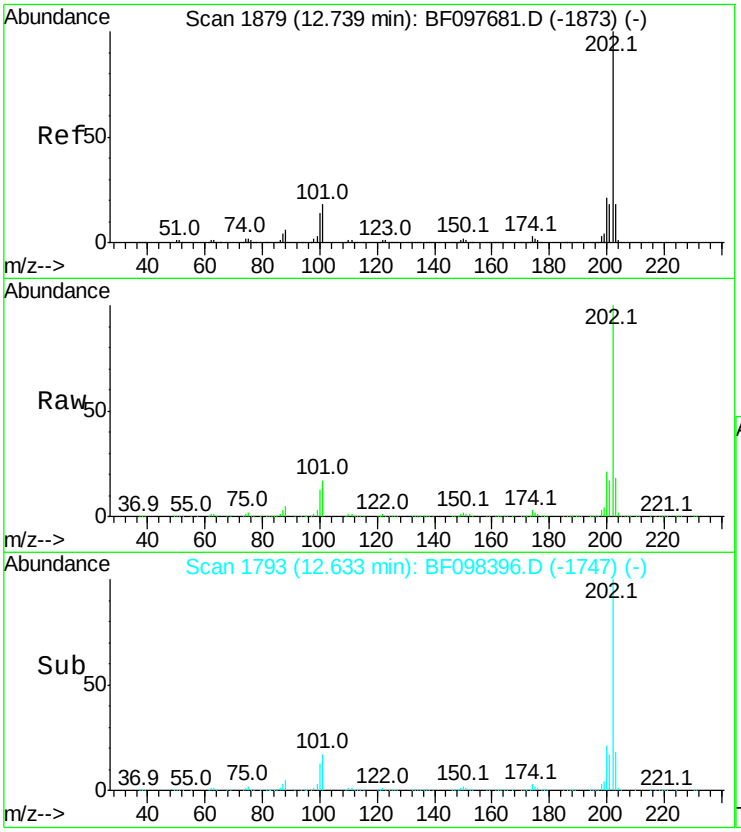


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:240 Resp: 210726

Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	25.9	20.5	30.7



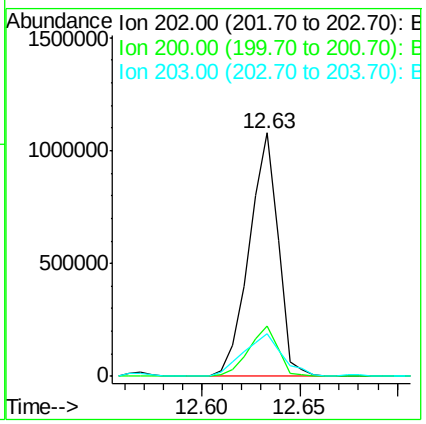


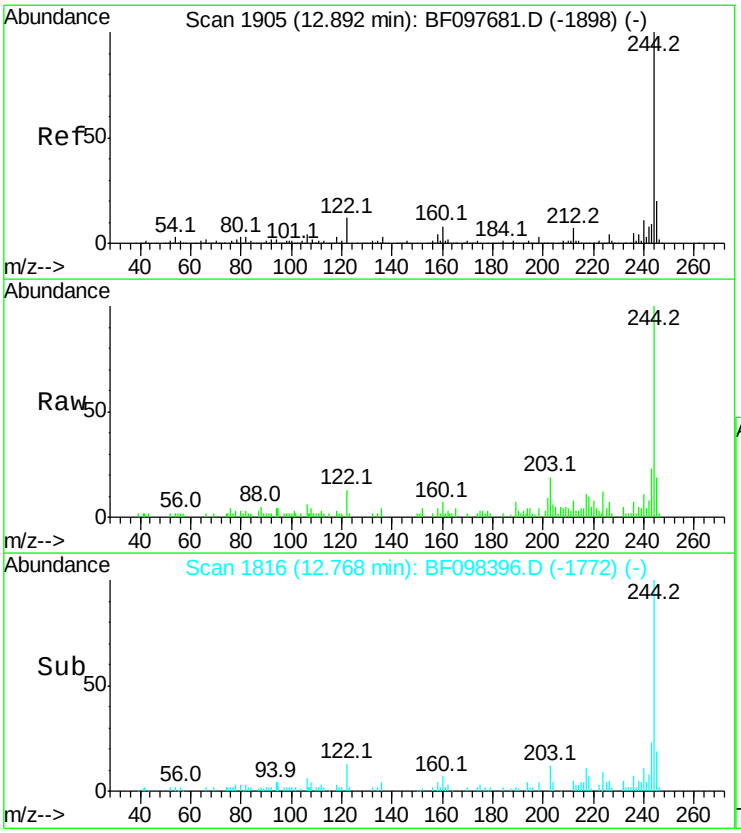
#77
Pyrene
Concen: 64.404 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1109994

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.7	14.4	21.6

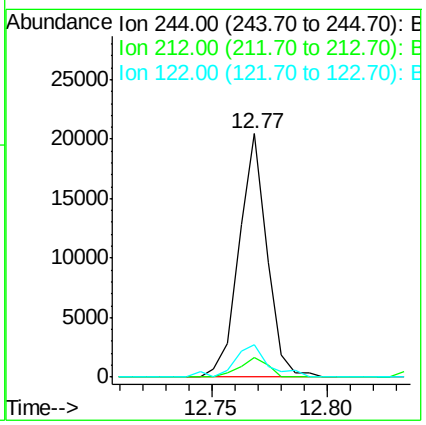


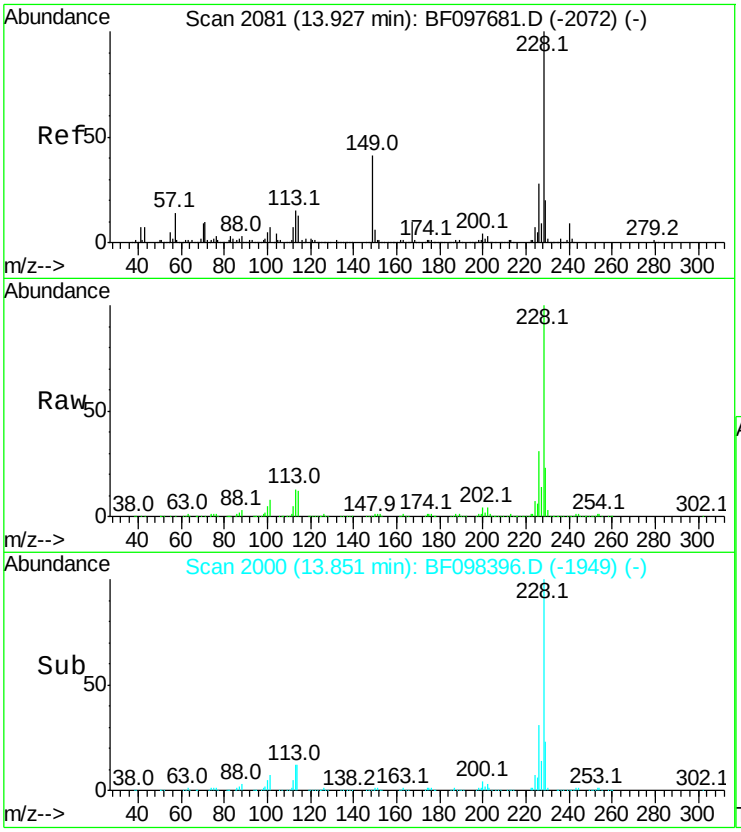


#78
Terphenyl-d14
Concen: 1.715 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:244 Resp: 17332

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.3	10.3	15.5



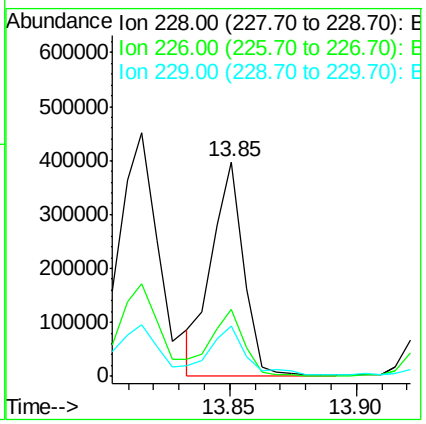


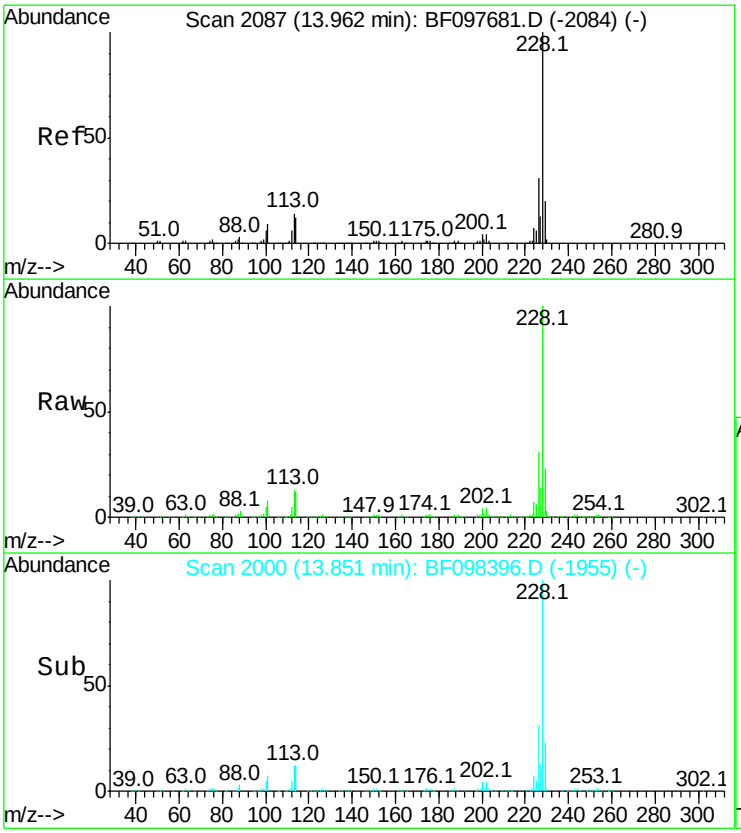
#80
Benzo(a)anthracene
Concen: 27.590 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 348458

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	23.4	16.3	24.5

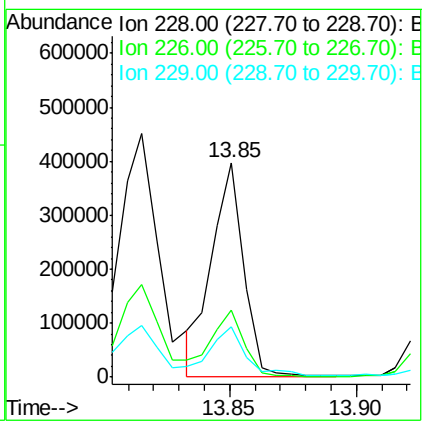


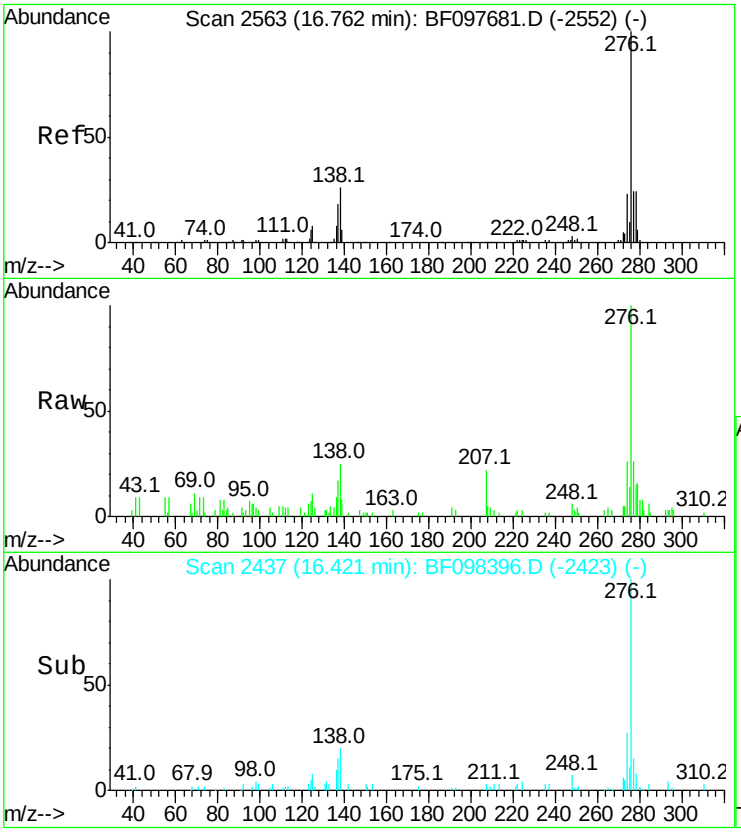


#82
Chrysene
Concen: 27.735 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:228 Resp: 348458

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	23.4	15.8	23.6



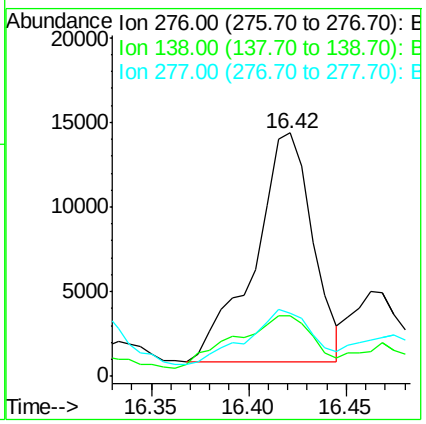


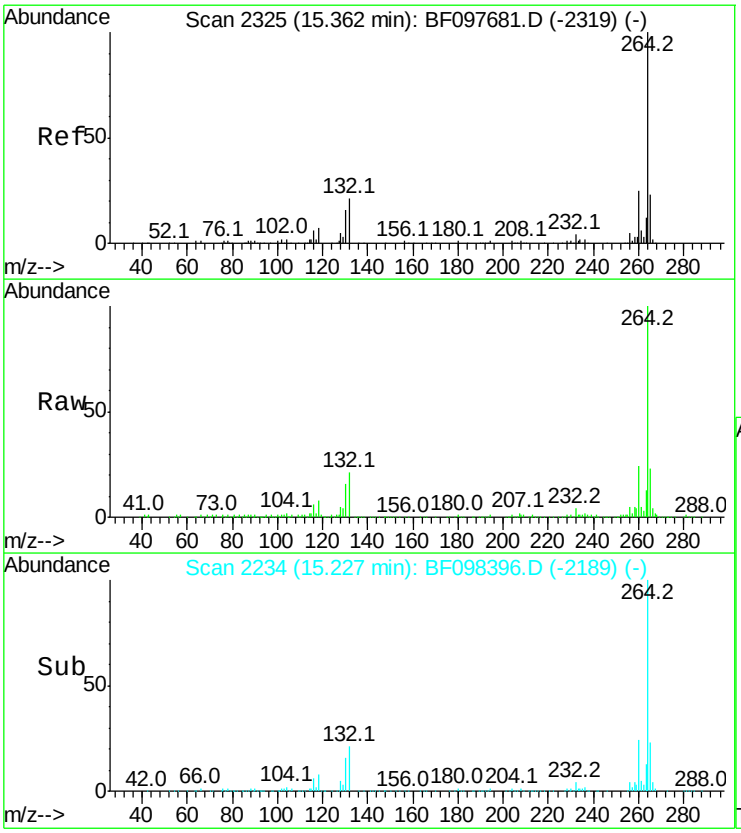
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.022 ng
RT: 16.42 min Scan# 2437
Delta R.T. -0.22 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 27926

Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	27.3	20.2	30.4

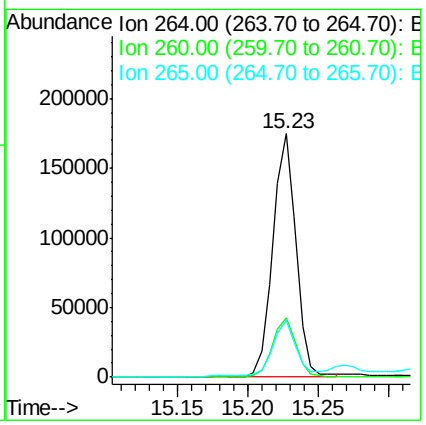


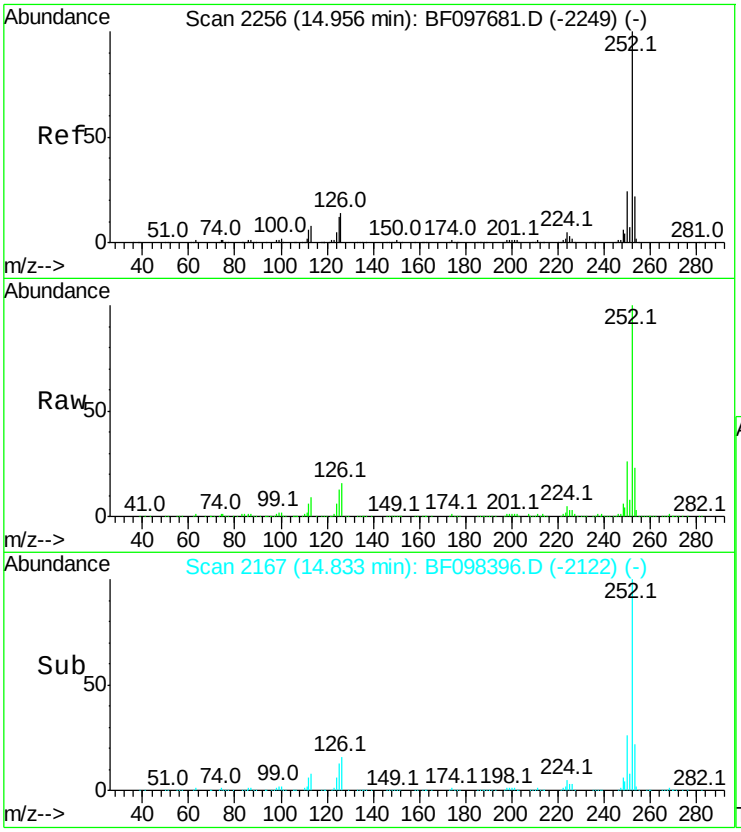


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:264 Resp: 201823

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	23.2	17.2	25.8



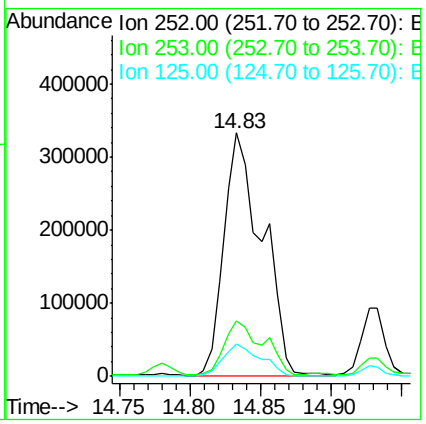


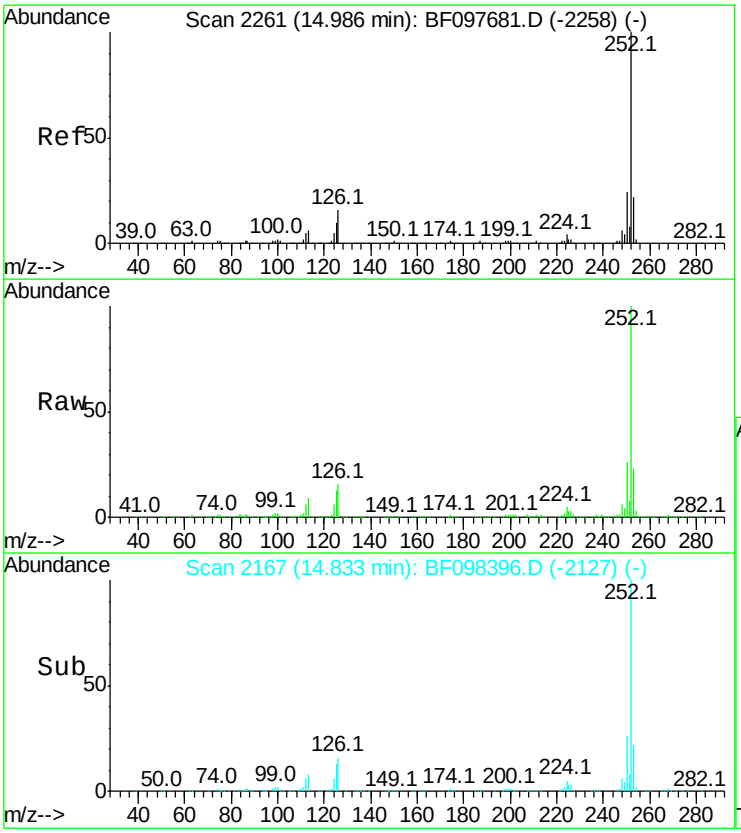
#87
Benzo(b)fluoranthene
Concen: 49.584 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 630788

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.3	9.8	14.8

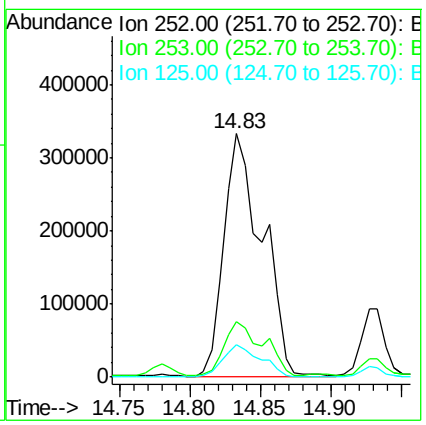


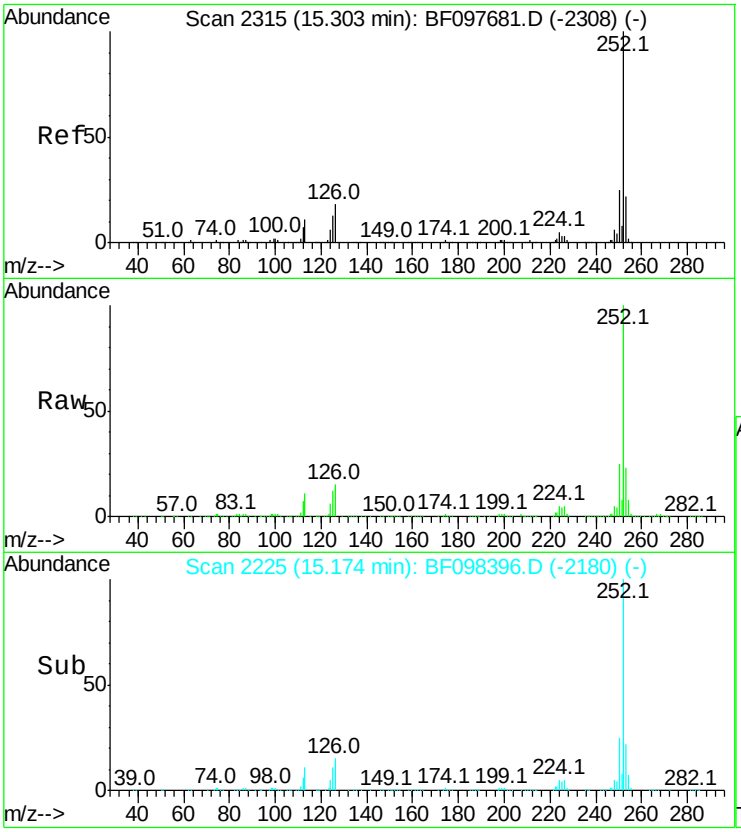


#88
Benzo(k)fluoranthene
Concen: 52.777 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.06 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:252 Resp: 630788

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	13.3	13.1	19.7



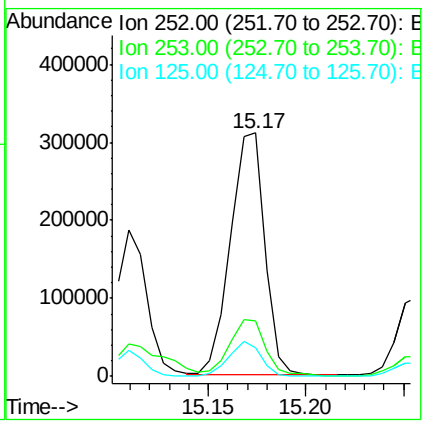


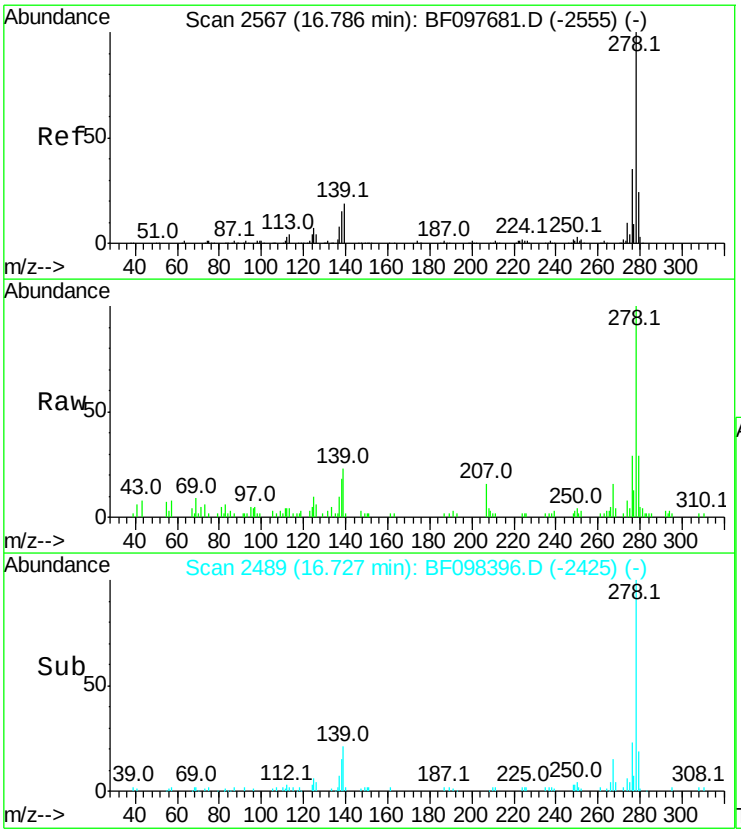
#89
Benzo(a)pyrene
Concen: 33.909 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 381881

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.6	11.0	16.4

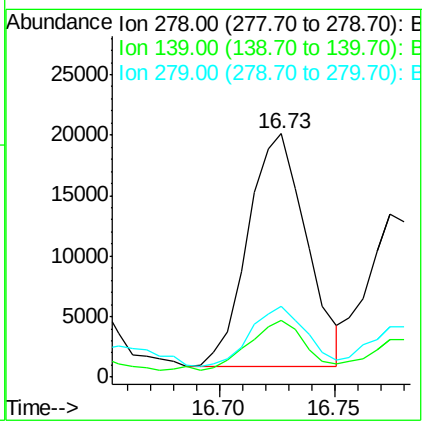


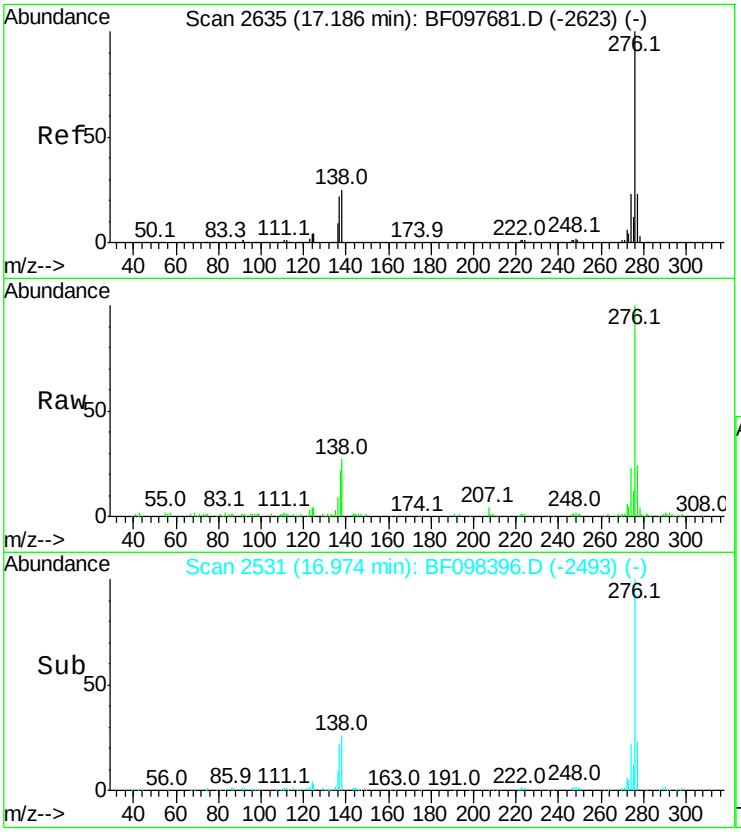


#90
Dibenzo(a,h)anthracene
Concen: 3.714 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.08 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion:278 Resp: 34048

Ion	Ratio	Lower	Upper
278	100		
139	23.5	16.6	24.8
279	28.9	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 16.412 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.08 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 157008

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	26.6	25.4	38.0