Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097386.D
Acq On : 5 Aug 2017 5:57
Operator : SJ/JU
Sample : I4522-02DL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 06 00:53:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	104879	20.00	ng		-0.06
21) Naphthalene-d8	7.72	136	433124	20.00	ng		-0.06
38) Acenaphthene-d10	9.46	164	162966	20.00	ng		-0.07
63) Phenanthrene-d10	10.93	188	224134	20.00	ng		-0.07
75) Chrysene-d12	13.56	240	164841	20.00	ng		-0.06
86) Perylene-d12	14.90	264	136172	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.03	112	308650	44.36	ng		-0.06
7) Phenol-d6	6.11	99	414285	52.16	ng		-0.06
23) Nitrobenzene-d5	7.00	82	216755	29.36	ng		-0.07
41) 2,4,6-Tribromophenol	10.25	330	50010	38.84	ng		-0.07
44) 2-Fluorobiphenyl	8.79	172	261751	27.26	ng		-0.08
78) Terphenyl-d14	12.52	244	160164	19.81	ng		-0.07
Target Compounds							Qvalue
6) Aniline	6.13	93	174807	17.49	ng	#	51
10) Phenol	6.13	94	30909	3.28	ng		70
11) bis(2-Chloroethyl)ether	6.13	93	174807	23.46	ng	#	22
18) Hexachloroethane	7.03	117	6768	2.33	ng	#	1
19) n-Nitroso-di-n-propylamine	7.00	70	30824	5.90	ng	#	87
25) Isophorone	7.00	82	212590	14.70	ng	#	67
31) Naphthalene	7.74	128	139168	6.82	ng		100
33) 4-Chloroaniline	7.74	127	18268	2.20	ng	#	37
49) Dimethylphthalate	9.20	163	54317	4.39	ng		98
51) Acenaphthene	9.49	154	46214	4.99	ng		97
52) 3-Nitroaniline	9.34	138	13152	4.04	ng	#	6
54) Dibenzofuran	9.67	168	51208	4.15	ng		97
55) 4-Nitrophenol	9.67	139	19290	9.96	ng	#	33
57) Fluorene	10.00	166	58955	6.36	ng		96
70) Phenanthrene	10.96	178	449358	37.42	ng		99
71) Anthracene	11.01	178	139861	11.37	ng		99
72) Carbazole	11.17	167	73296	6.06	ng		97
74) Fluoranthene	12.14	202	565117	48.03	ng		98
77) Pyrene	12.37	202	470051	34.83	ng		99
80) Benzo(a)anthracene	13.55	228	245259	22.99	ng		98
82) Chrysene	13.59	228	201658	19.36	ng		98
85) Indeno(1,2,3-cd)pyrene	16.10	276	94744	10.61	ng		97
87) Benzo(b)fluoranthene	14.55	252	314779	38.46	ng	#	96
88) Benzo(k)fluoranthene	14.55	252	314779	40.36	ng		99
89) Benzo(a)pyrene	14.85	252	172421	23.02	ng		96
91) Benzo(g,h,i)perylene	16.46	276	86801	13.47	ng		93

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

Quantitation Report (Not Reviewed)

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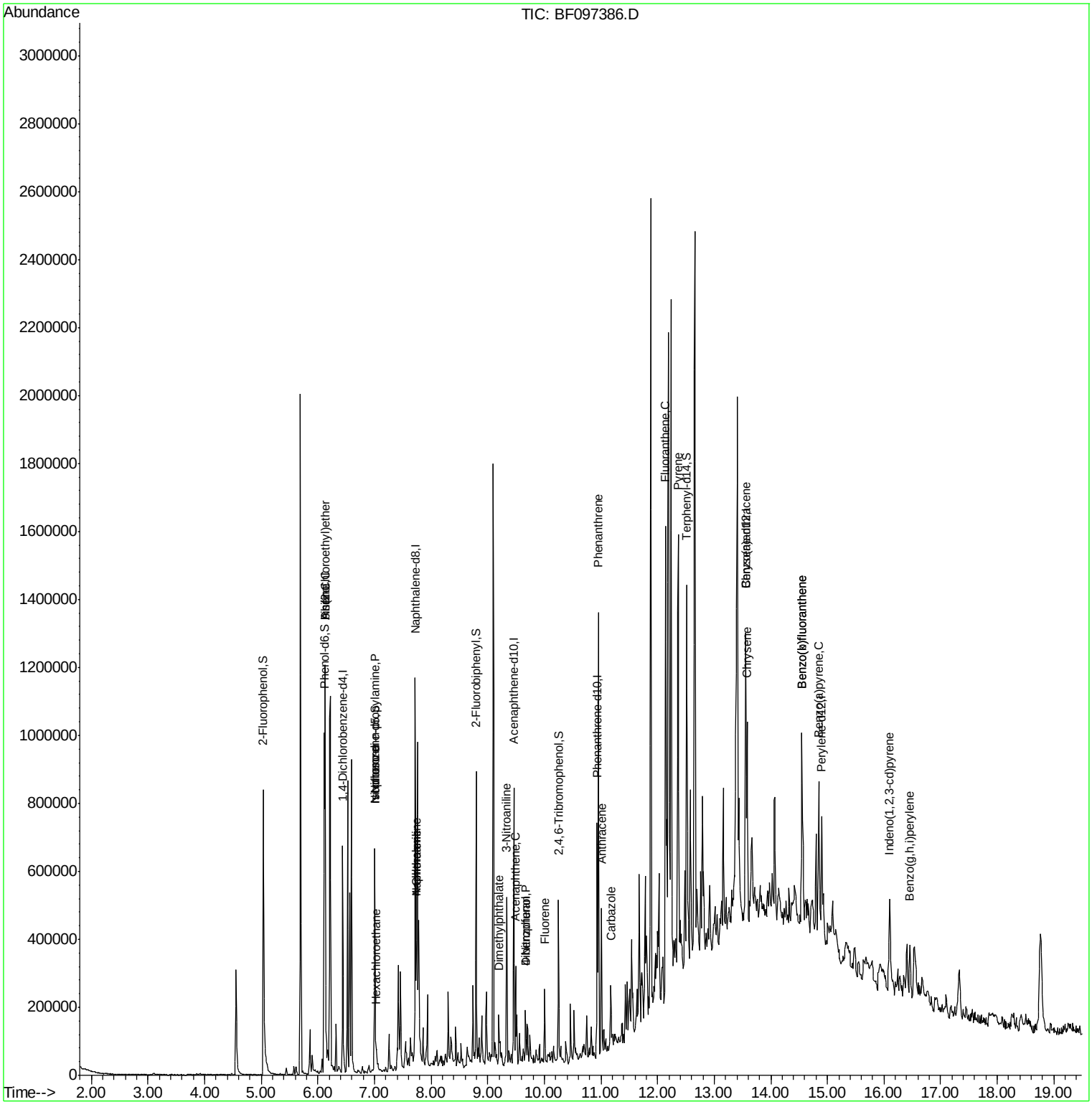
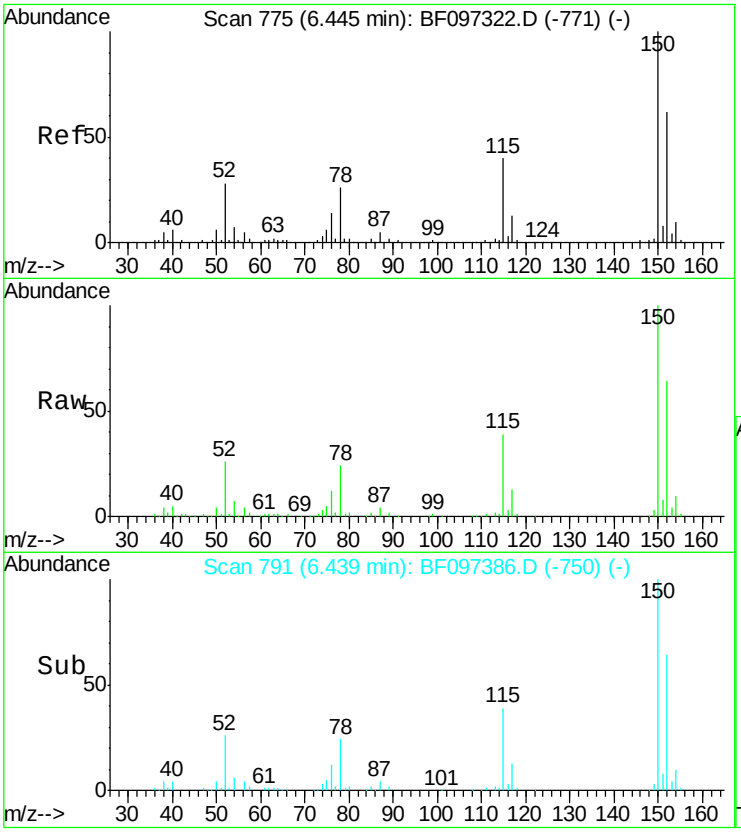
Data File : BF097386.D
Acq On : 5 Aug 2017 5:57
Operator : SJ/JU
Sample : I4522-02DL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 06 00:53:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

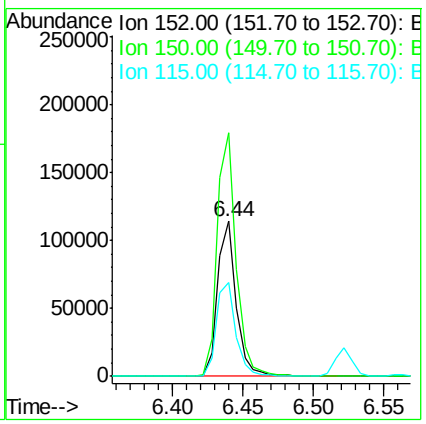




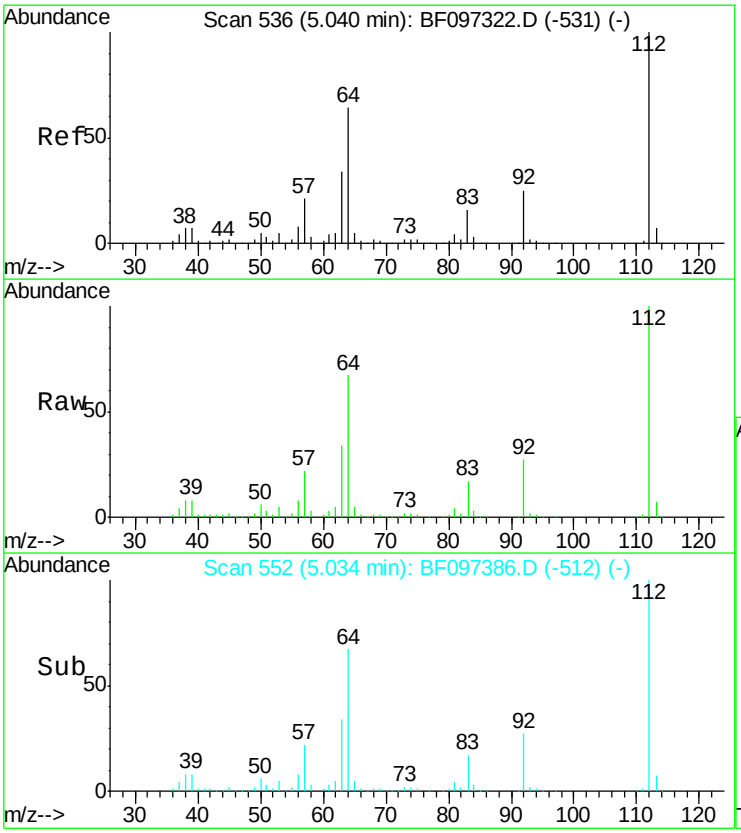
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:152 Resp: 104879

Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	60.7	52.2	78.2



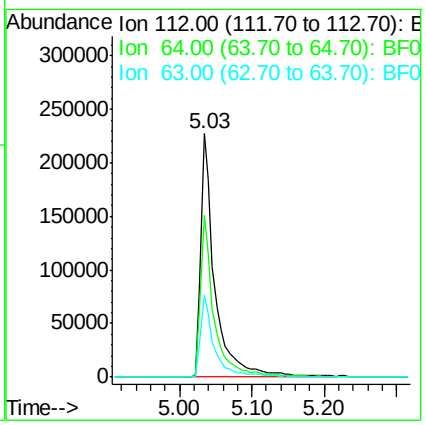
Instrument :
BNA_F
ClientSampleId :

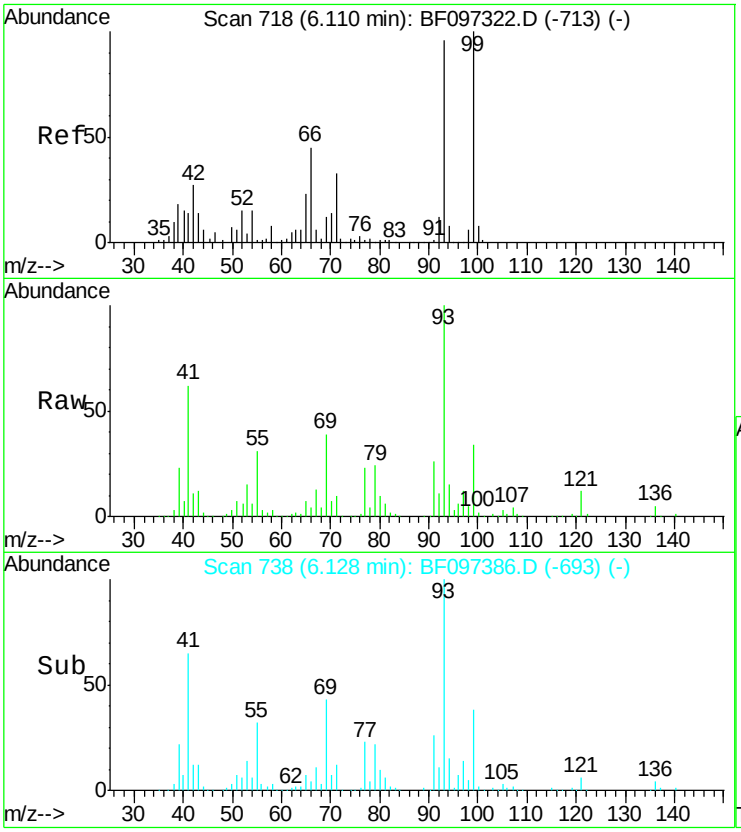


#5
2-Fluorophenol
Concen: 44.36 ng
RT: 5.03 min Scan# 552
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:112 Resp: 308650

Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	33.7	23.4	35.0



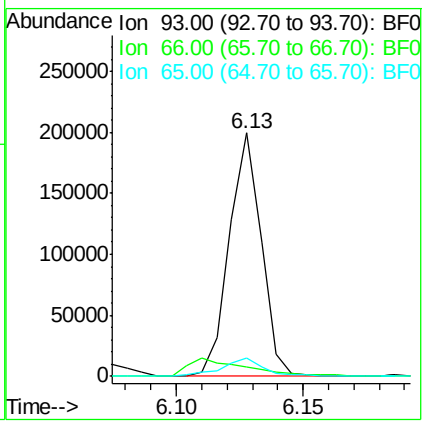


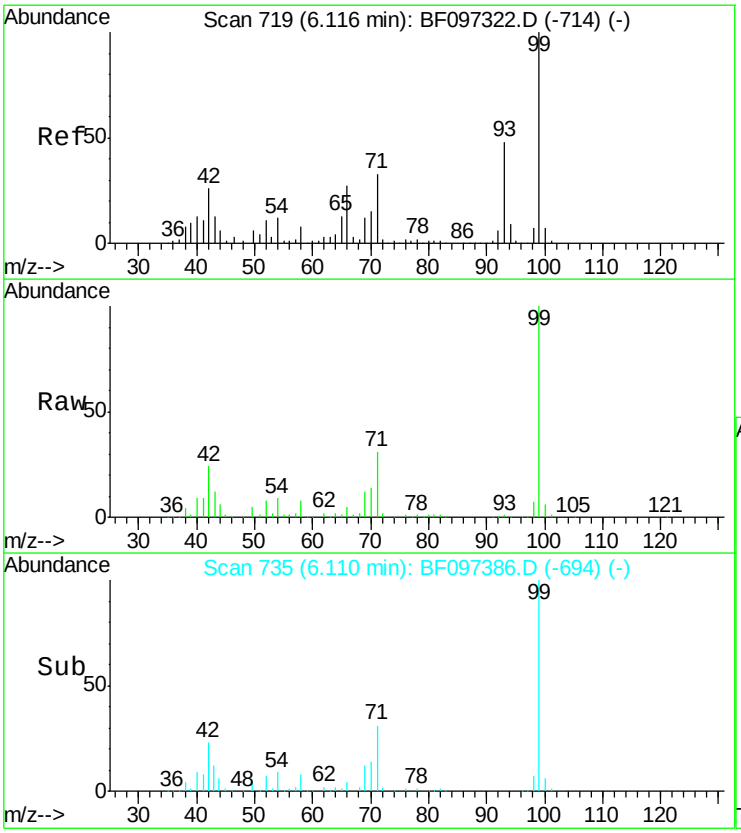
#6
Aniline
Concen: 17.49 ng
RT: 6.13 min Scan# 738
Delta R.T. -0.04 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 93 Resp: 174807

Ion	Ratio	Lower	Upper
93	100		
66	4.0	32.9	49.3#
65	7.4	16.0	24.0#

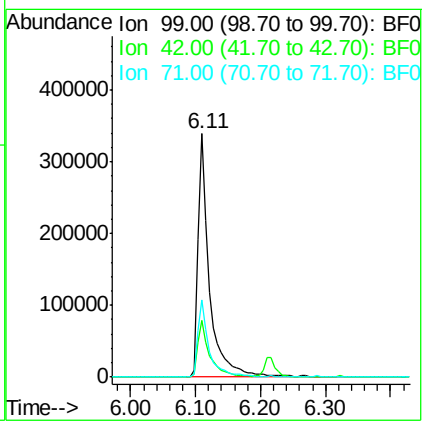


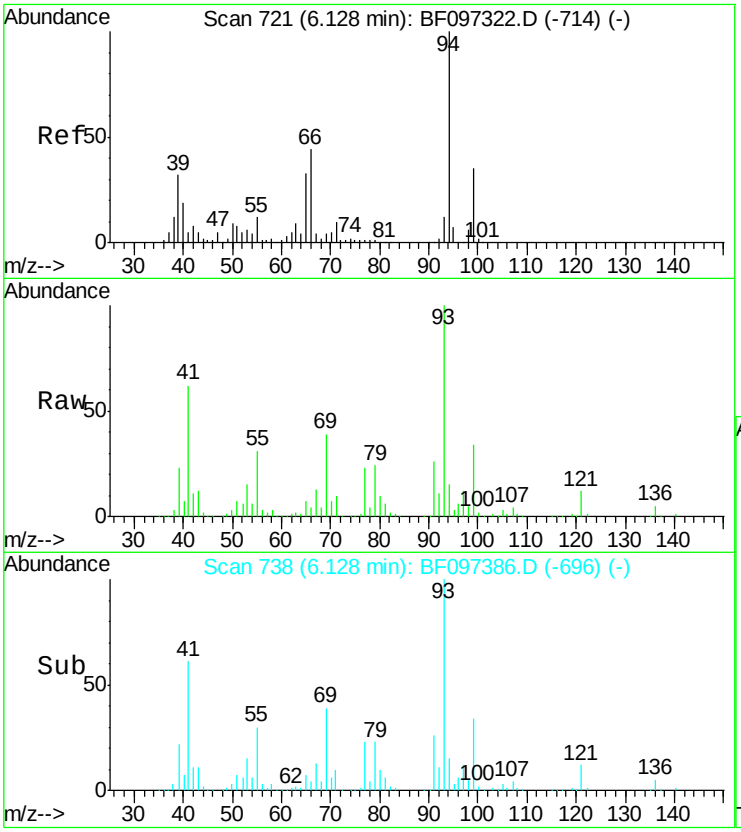


#7
Phenol-d6
Concen: 52.16 ng
RT: 6.11 min Scan# 735
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion: 99 Resp: 414285

Ion	Ratio	Lower	Upper
99	100		
42	23.6	13.5	20.3#
71	31.5	24.5	36.7



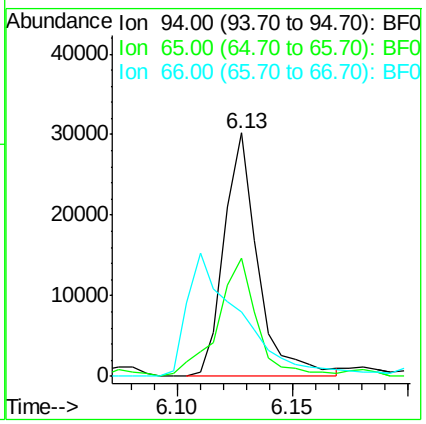


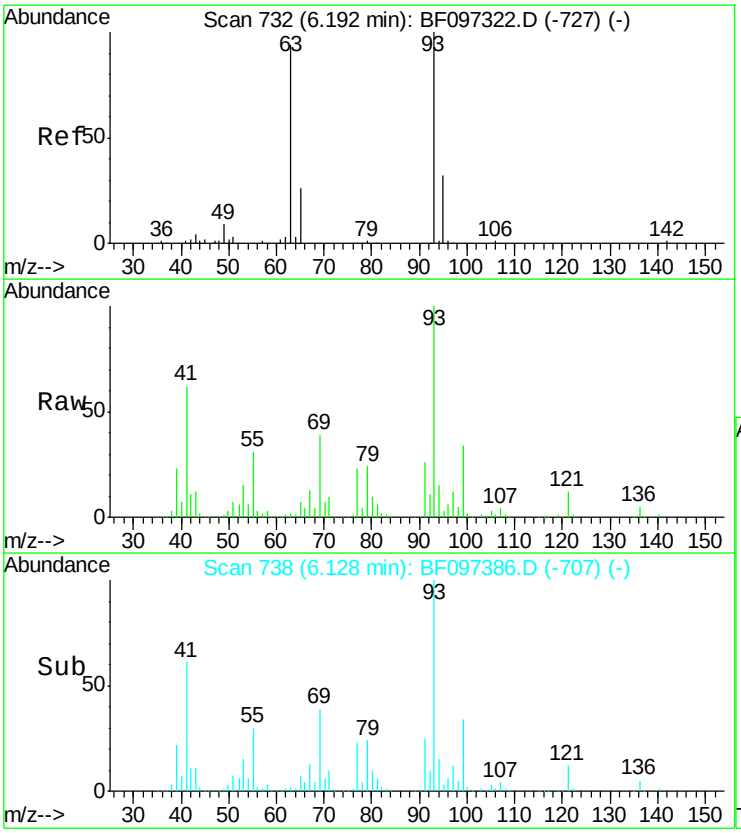
#10
Phenol
Concen: 3.28 ng
RT: 6.13 min Scan# 738
Delta R.T. -0.05 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 94 Resp: 30909

Ion	Ratio	Lower	Upper
94	100		
65	48.6	9.9	49.9
66	26.3	23.1	63.1

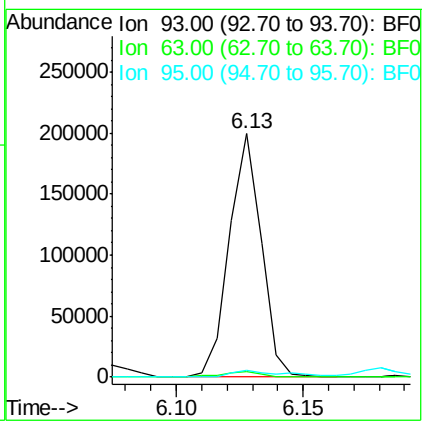


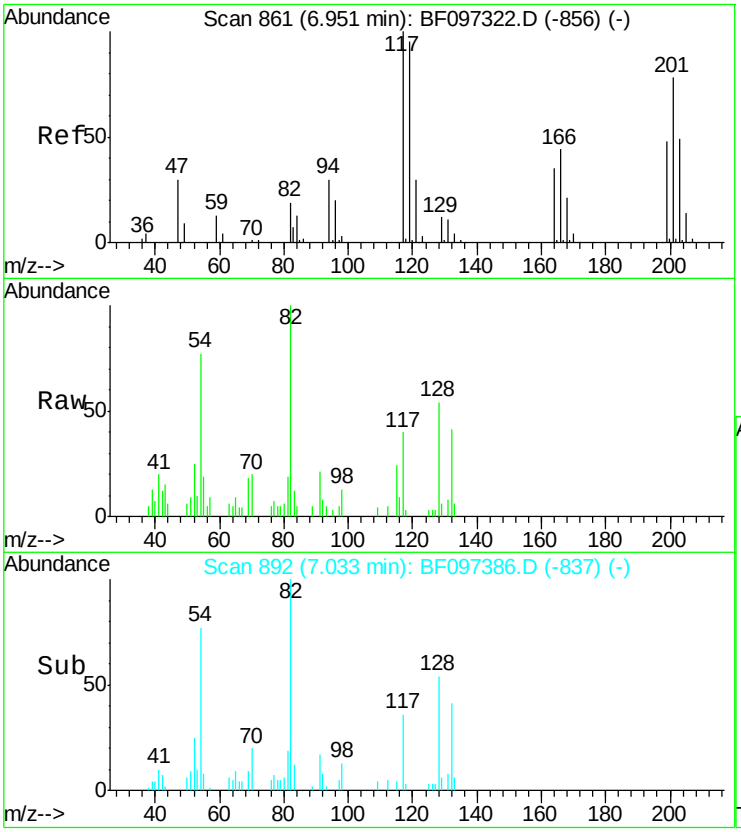


#11
bis(2-Chloroethyl)ether
Concen: 23.46 ng
RT: 6.13 min Scan# 738
Delta R.T. -0.12 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion: 93 Resp: 174807

Ion	Ratio	Lower	Upper
93	100		
63	2.3	59.2	99.2#
95	2.8	12.8	52.8#



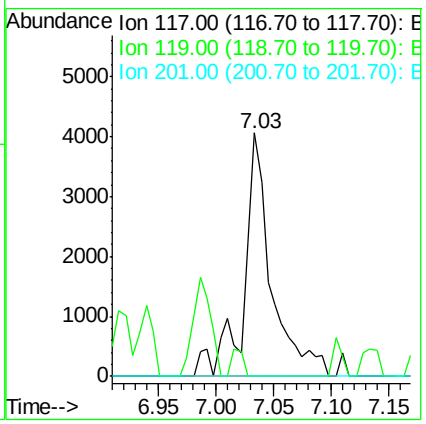


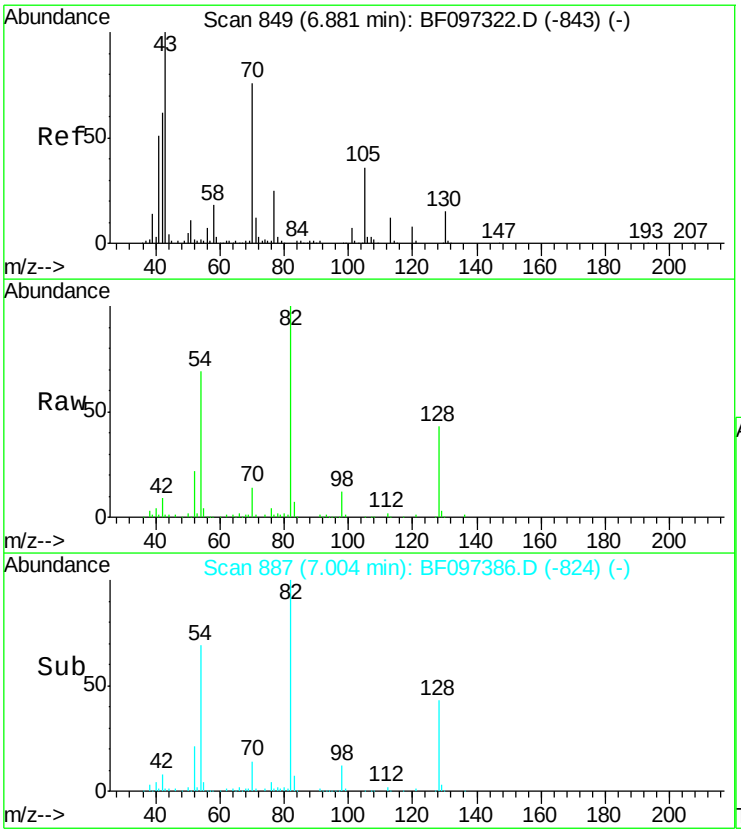
#18
Hexachloroethane
Concen: 2.33 ng
RT: 7.03 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 6768

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.4	116.0#
201	0.0	94.6	141.8#

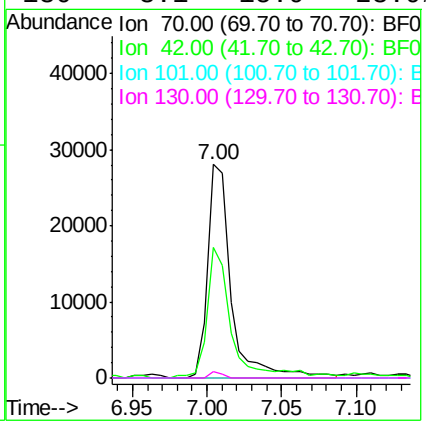


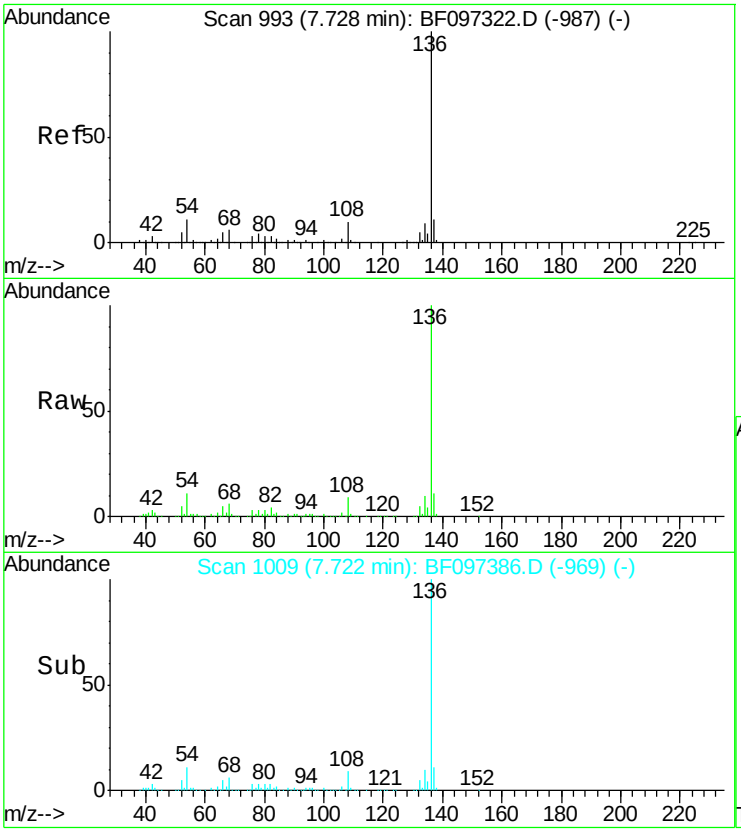


#19
n-Nitroso-di-n-propylamine
Concen: 5.90 ng
RT: 7.00 min Scan# 887
Delta R.T. 0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion: 70 Resp: 30824

Ion	Ratio	Lower	Upper
70	100		
42	61.4	47.2	70.8
101	0.0	7.2	10.8#
130	3.1	15.9	23.9#



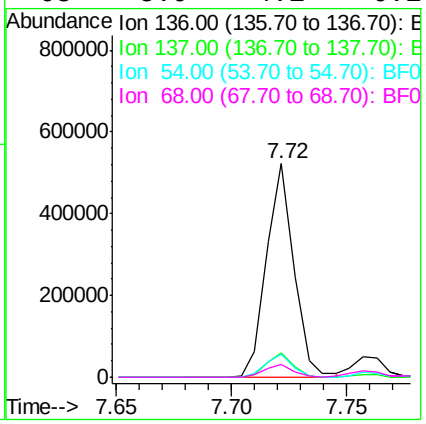


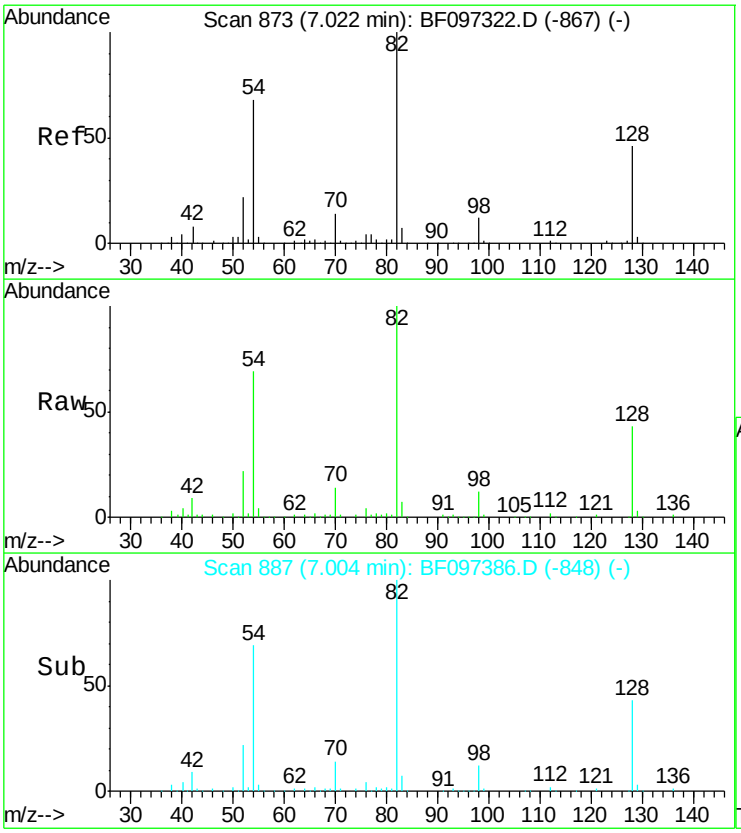
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 433124

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	10.6	4.9	7.3#
68	5.9	4.1	6.1

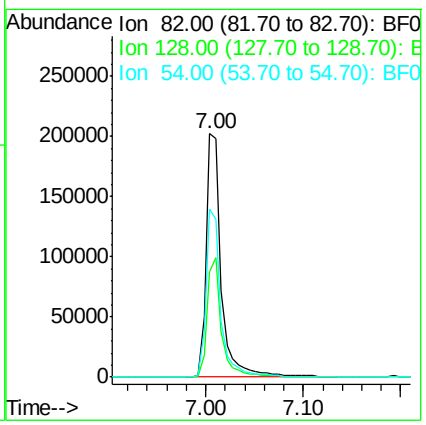


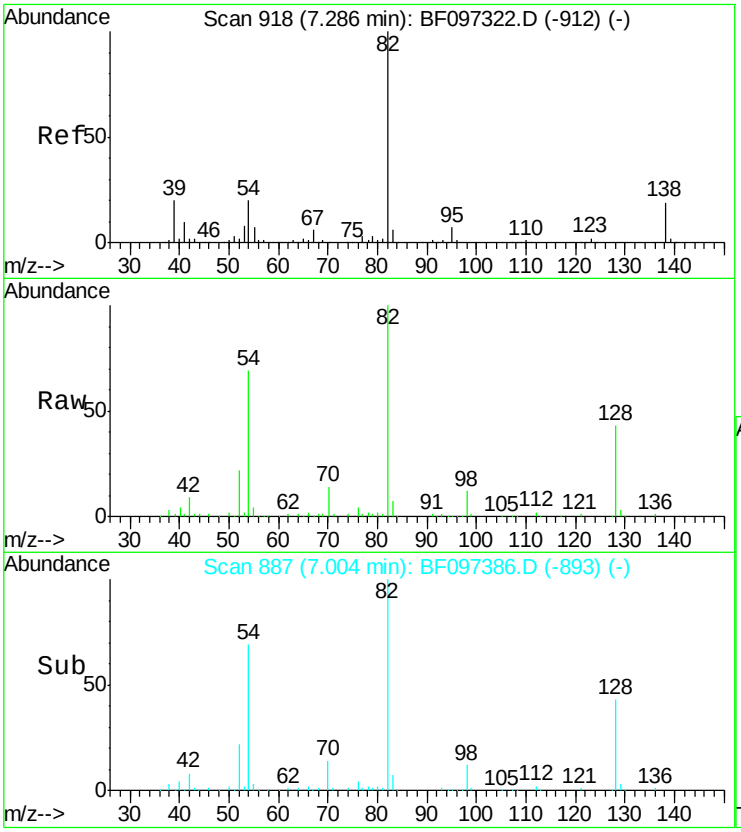


#23
Nitrobenzene-d5
Concen: 29.36 ng
RT: 7.00 min Scan# 887
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion: 82 Resp: 216755

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.0	51.0
54	69.3	42.2	63.2#



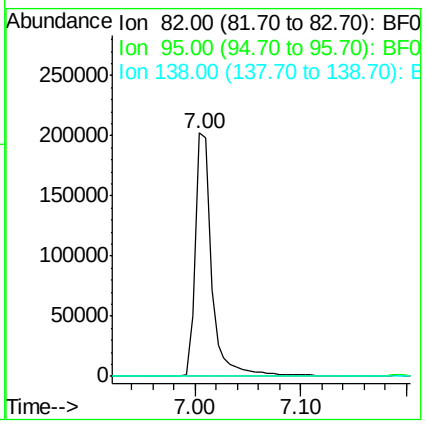


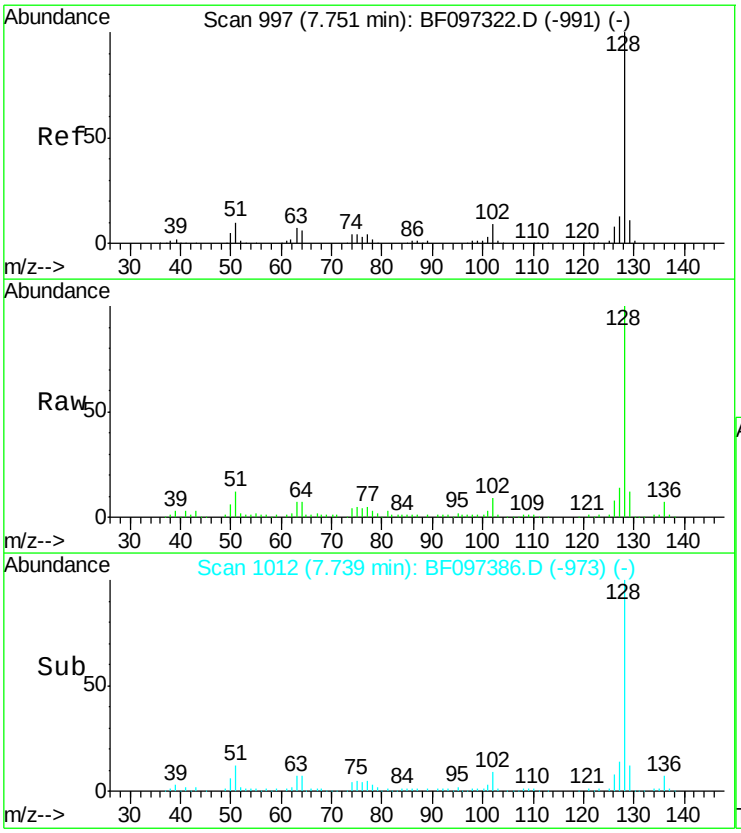
#25
Isophorone
Concen: 14.70 ng
RT: 7.00 min Scan# 887
Delta R.T. -0.34 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 212590

Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.3	7.9#
138	0.0	13.1	19.7#

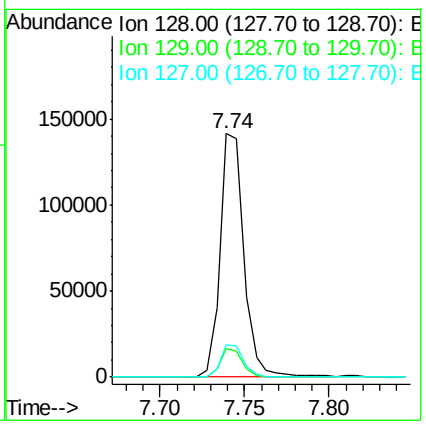


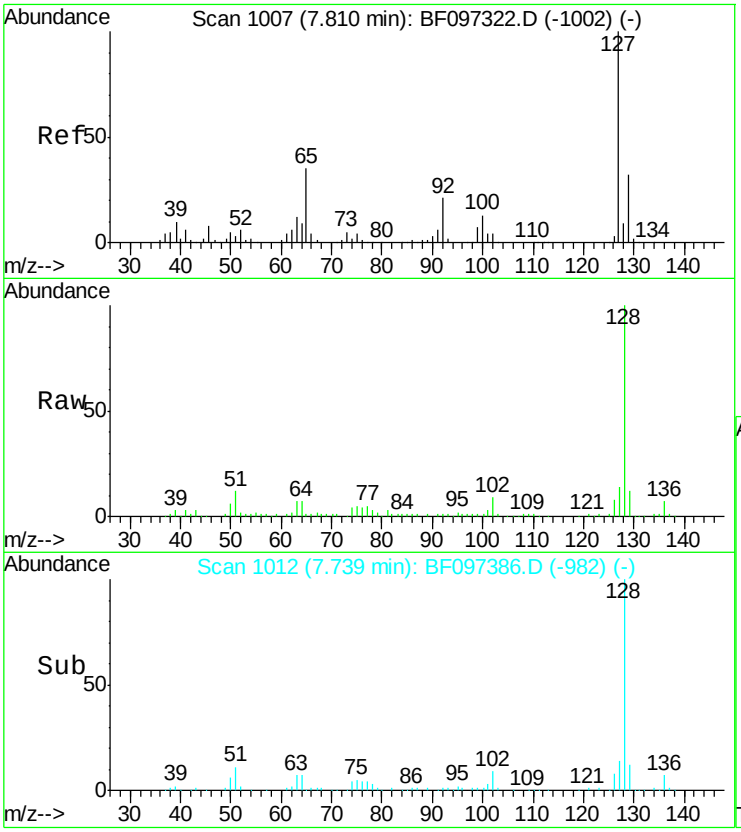


#31
Naphthalene
Concen: 6.82 ng
RT: 7.74 min Scan# 1012
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:128 Resp: 139168

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.5	10.8	16.2



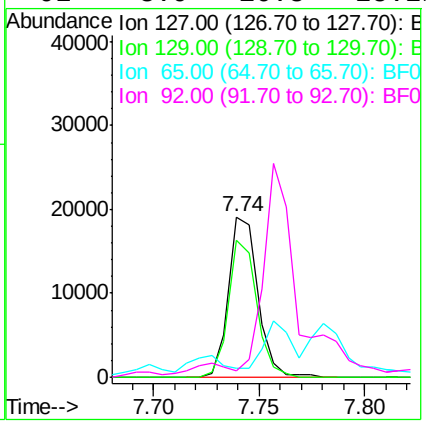


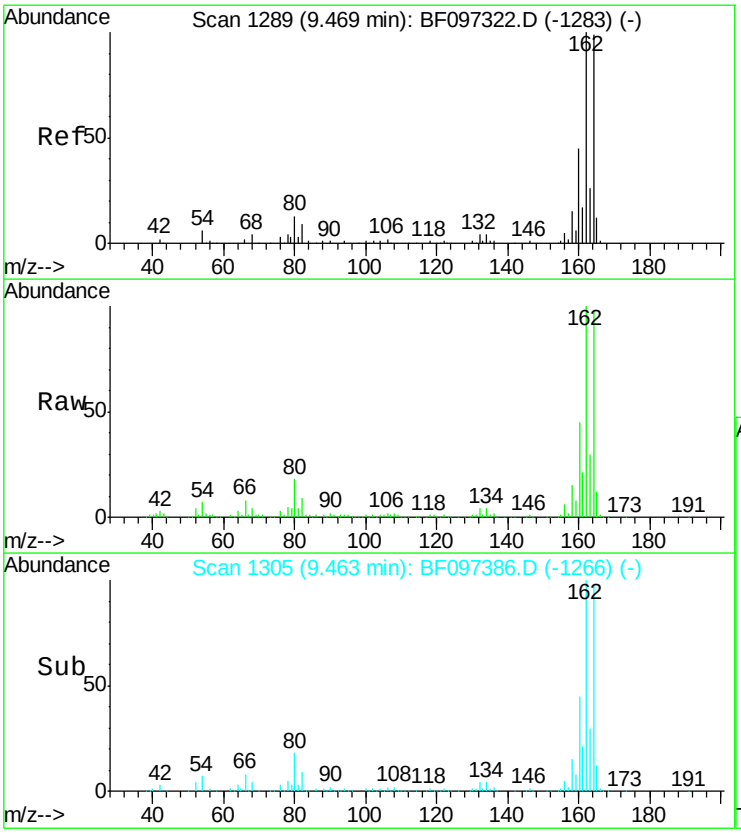
#33
4-Chloroaniline
Concen: 2.20 ng
RT: 7.74 min Scan# 1012
Delta R.T. -0.12 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 18268

Ion	Ratio	Lower	Upper
127	100		
129	85.0	26.2	39.2#
65	5.4	27.8	41.8#
92	3.9	16.8	25.2#

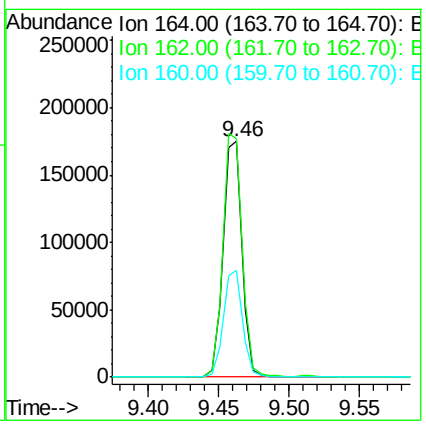


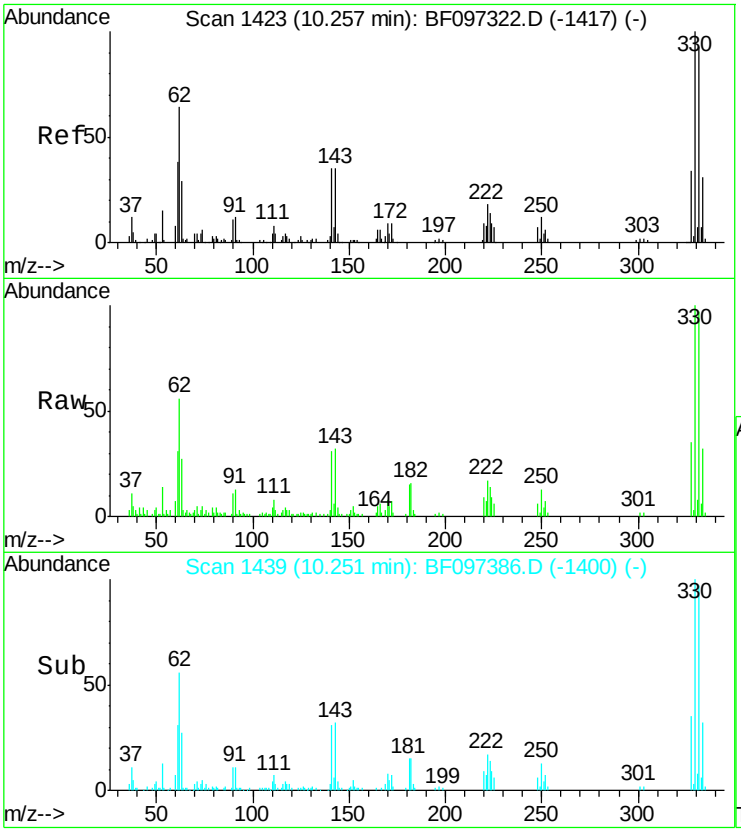


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:164 Resp: 162966

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	45.5	36.2	54.2



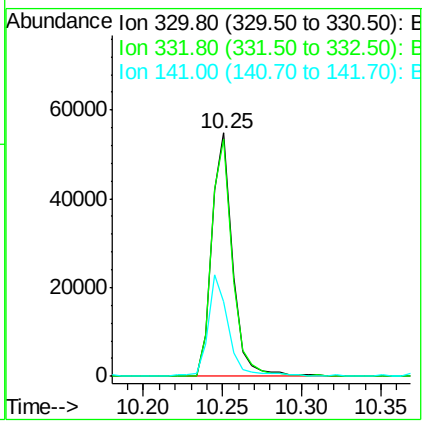


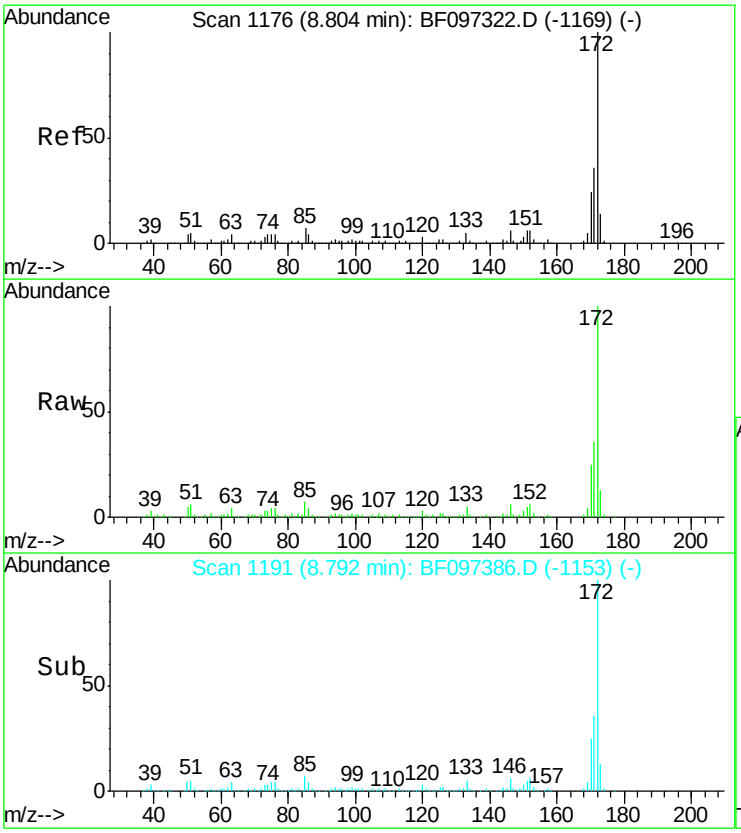
#41
2,4,6-Tribromophenol
Concen: 38.84 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 50010

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	41.9	31.4	47.2

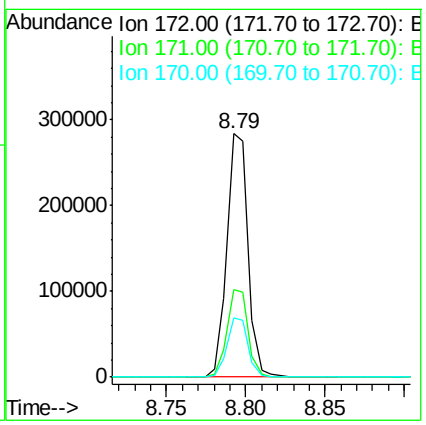


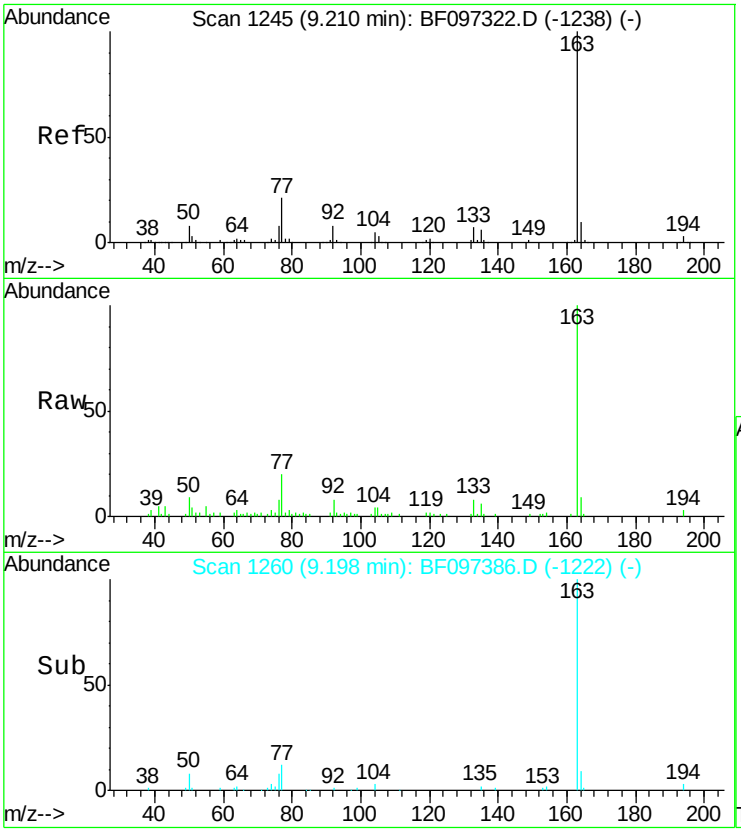


#44
2-Fluorobiphenyl
Concen: 27.26 ng
RT: 8.79 min Scan# 1191
Delta R.T. -0.08 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:172 Resp: 261751

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	19.8	29.8

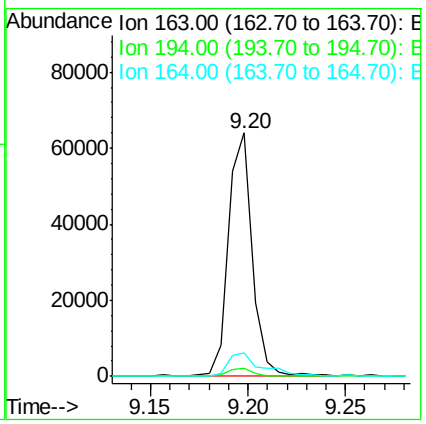




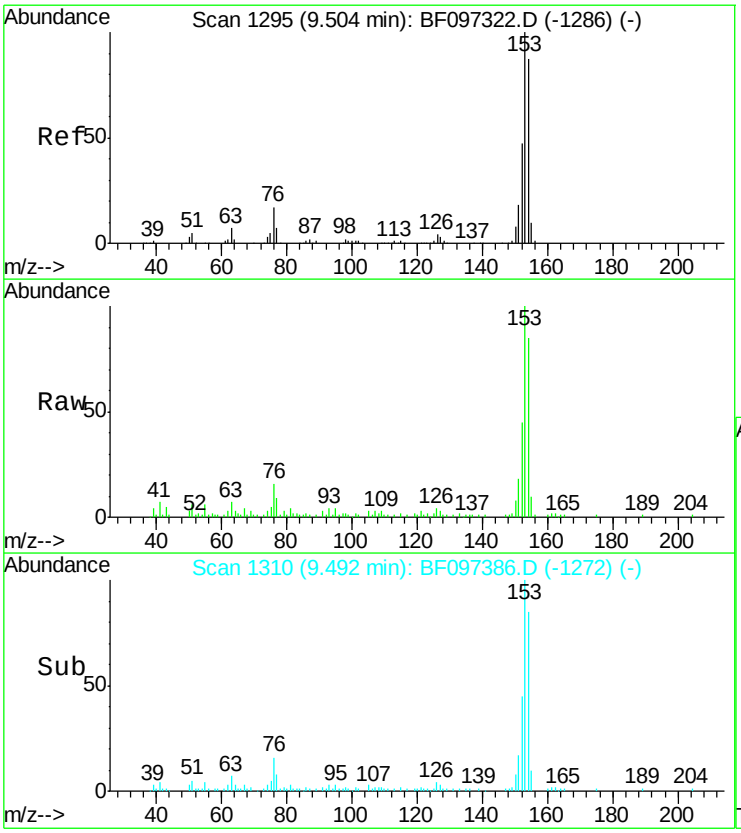
#49
Dimethylphthalate
Concen: 4.39 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:163 Resp: 54317

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.4	8.4	12.6



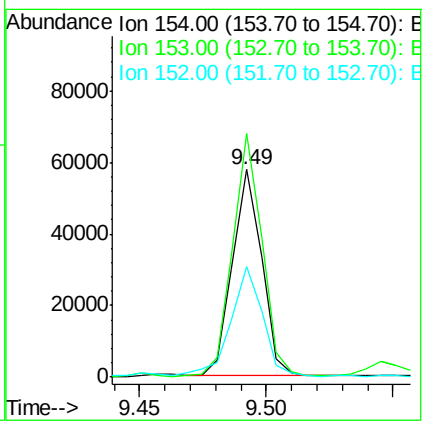
Instrument :
BNA_F
ClientSampleId :

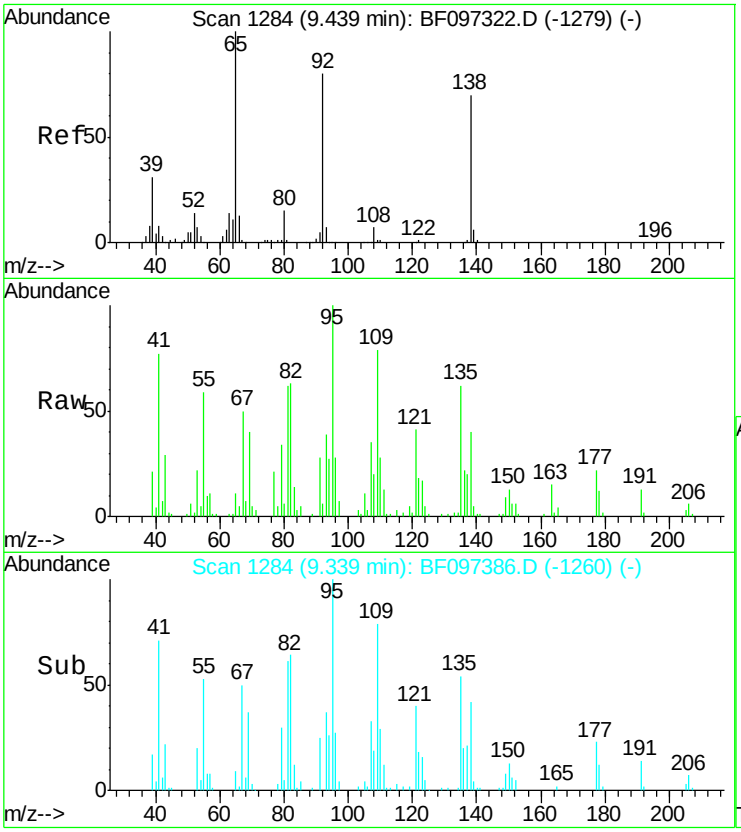


#51
Acenaphthene
Concen: 4.99 ng
RT: 9.49 min Scan# 1310
Delta R.T. -0.08 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:154 Resp: 46214

Ion	Ratio	Lower	Upper
154	100		
153	117.5	90.5	135.7
152	53.4	43.6	65.4



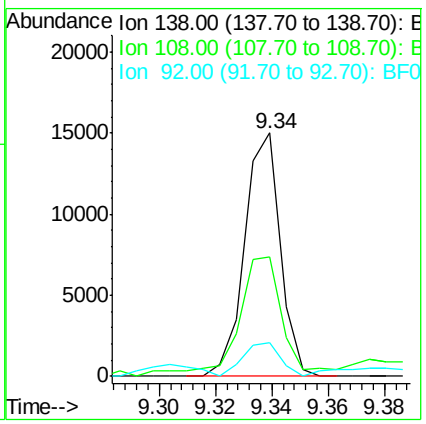


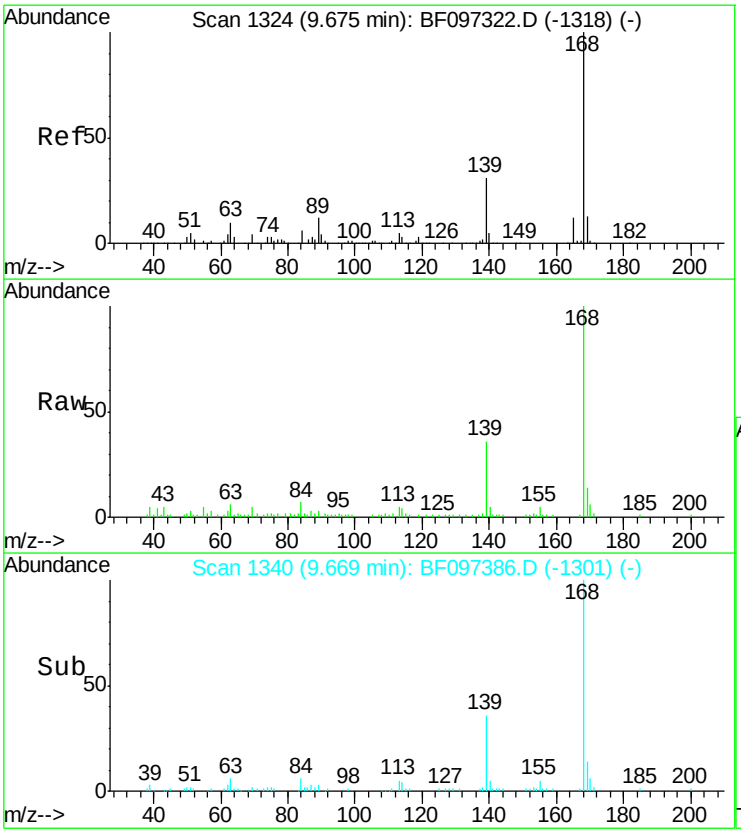
#52
3-Nitroaniline
Concen: 4.04 ng
RT: 9.34 min Scan# 1284
Delta R.T. -0.16 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:138 Resp: 13152

Ion	Ratio	Lower	Upper
138	100		
108	48.8	9.1	13.7#
92	14.1	93.8	140.6#

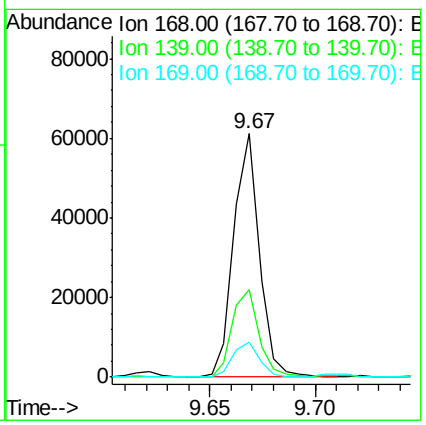


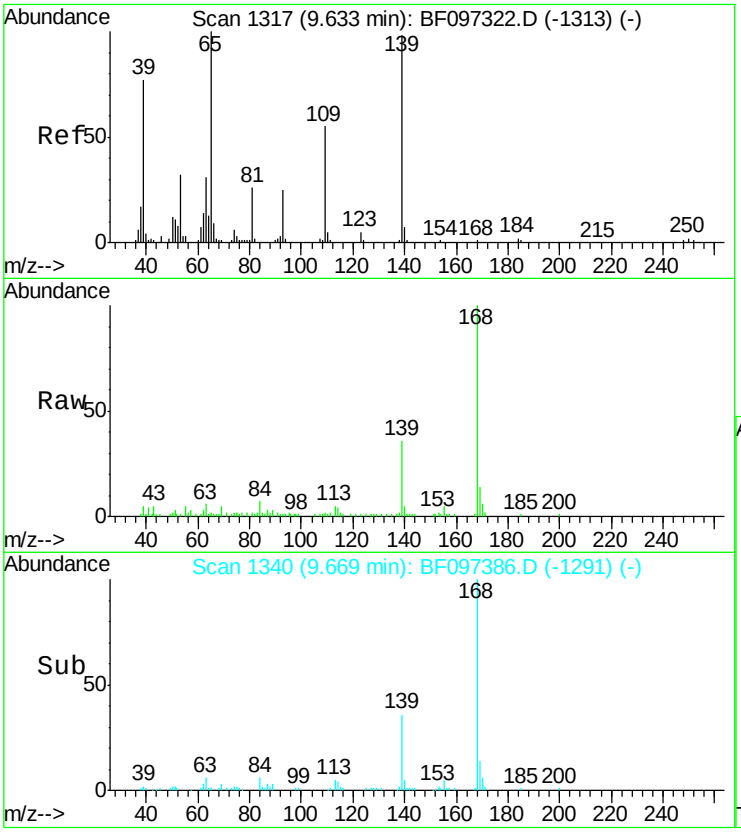


#54
Dibenzofuran
Concen: 4.15 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:168 Resp: 51208

Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.6	45.8
169	14.2	10.8	16.2



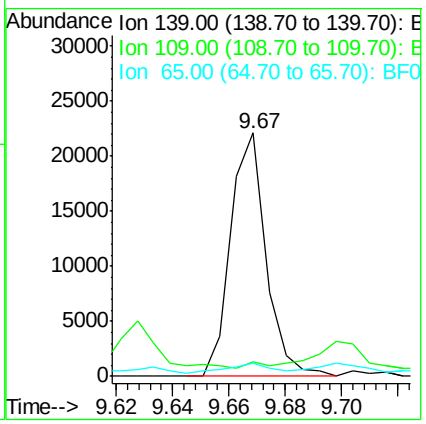


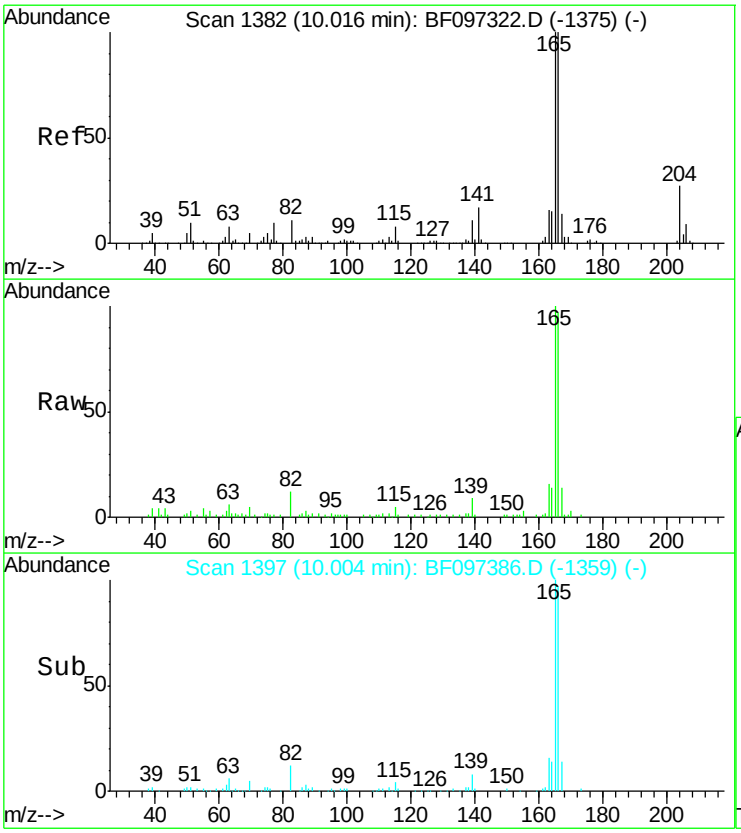
#55
4-Nitrophenol
Concen: 9.96 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 19290

Ion	Ratio	Lower	Upper
139	100		
109	5.8	34.1	74.1#
65	5.2	31.4	71.4#

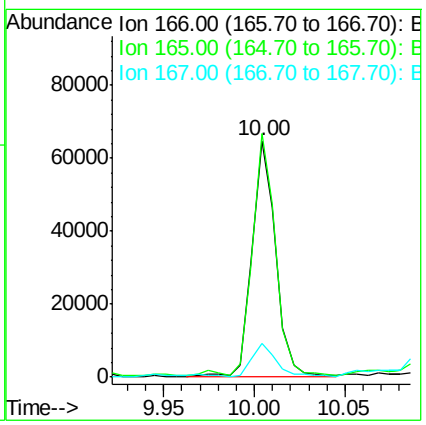


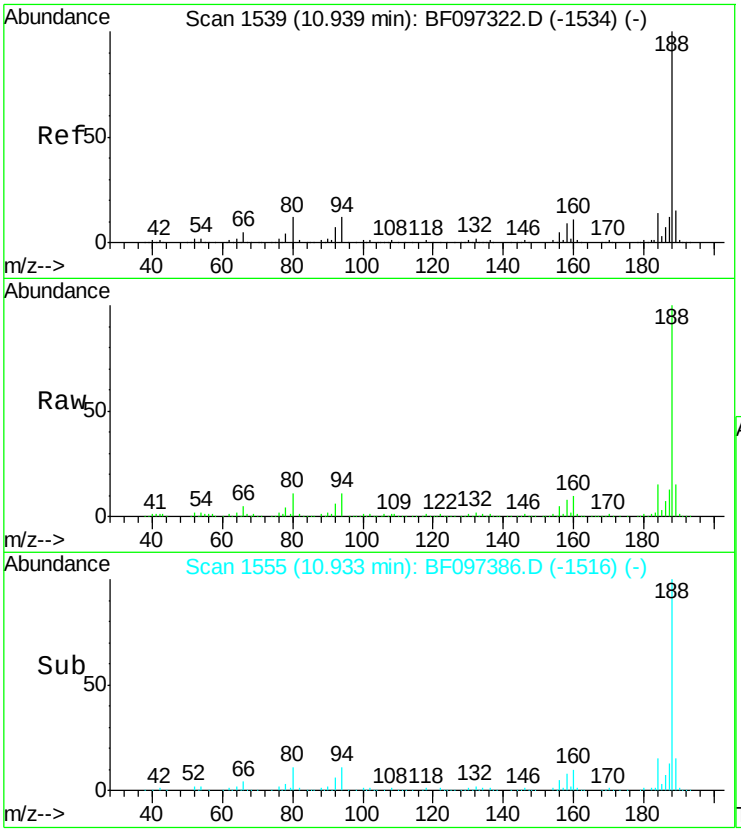


#57
Fluorene
Concen: 6.36 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:166 Resp: 58955

Ion	Ratio	Lower	Upper
166	100		
165	103.2	78.8	118.2
167	14.1	10.6	16.0



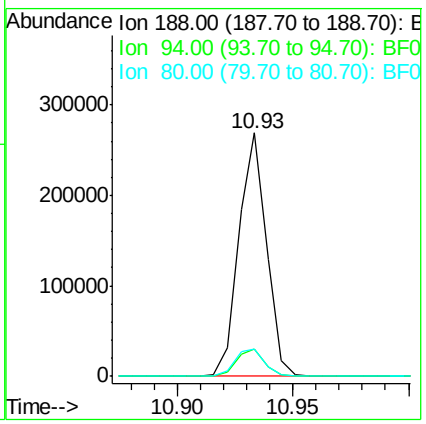


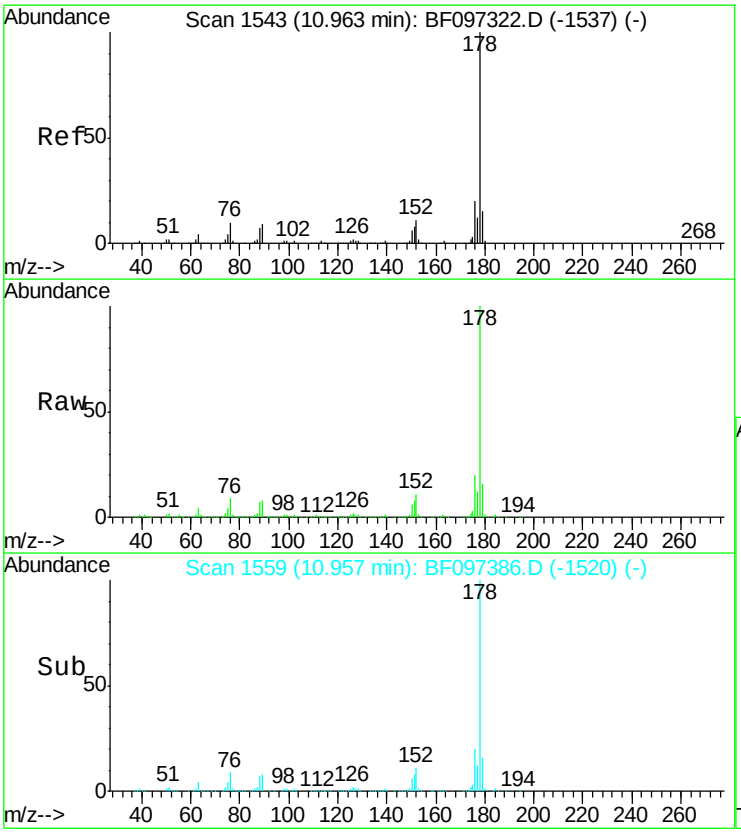
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 224134

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.0	10.2	15.2

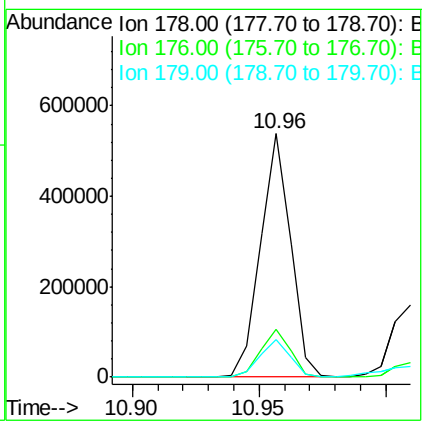


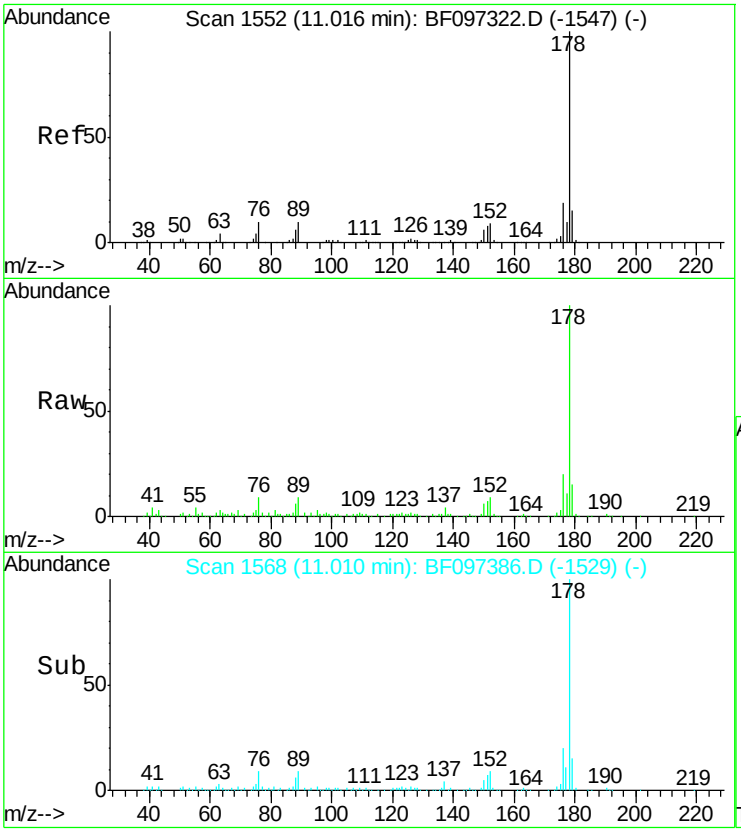


#70
Phenanthrene
Concen: 37.42 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:178 Resp: 449358

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.7	12.6	19.0



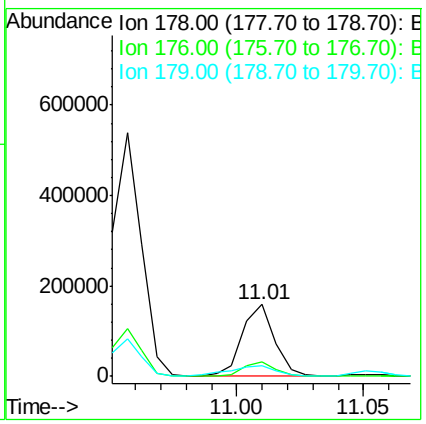


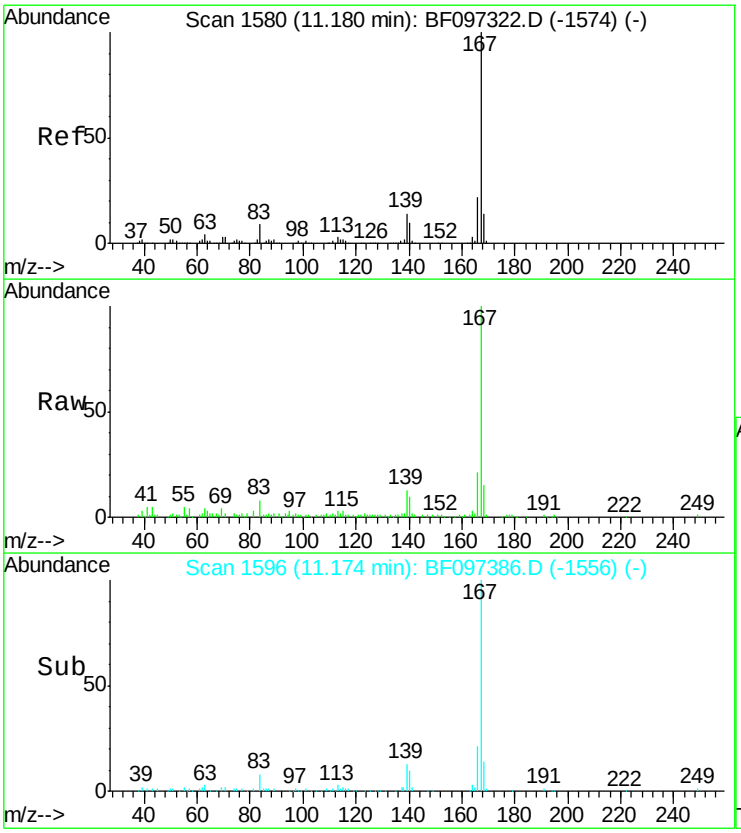
#71
Anthracene
Concen: 11.37 ng
RT: 11.01 min Scan# 1568
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 139861

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.1	12.7	19.1

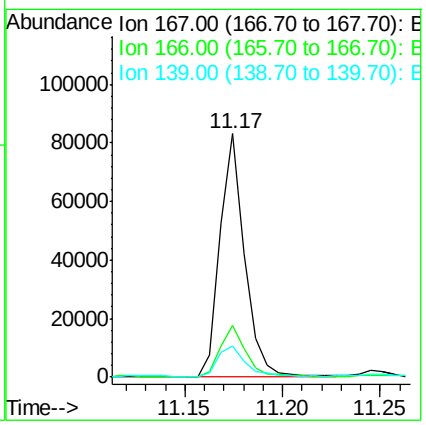


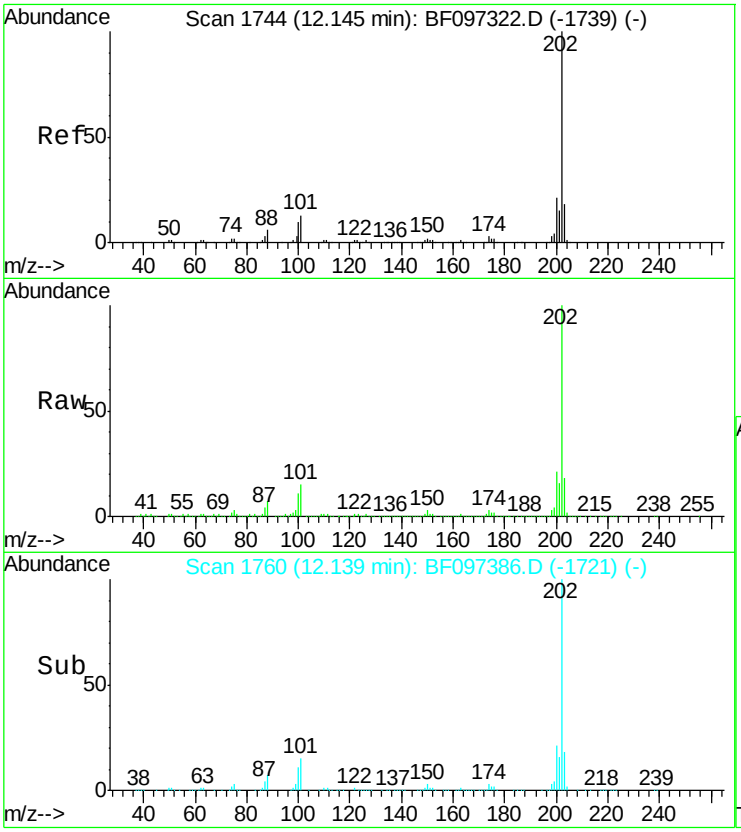


#72
Carbazole
Concen: 6.06 ng
RT: 11.17 min Scan# 1596
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:167 Resp: 73296

Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	13.0	11.7	17.5



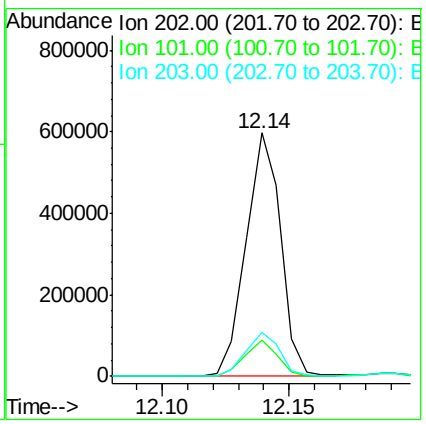


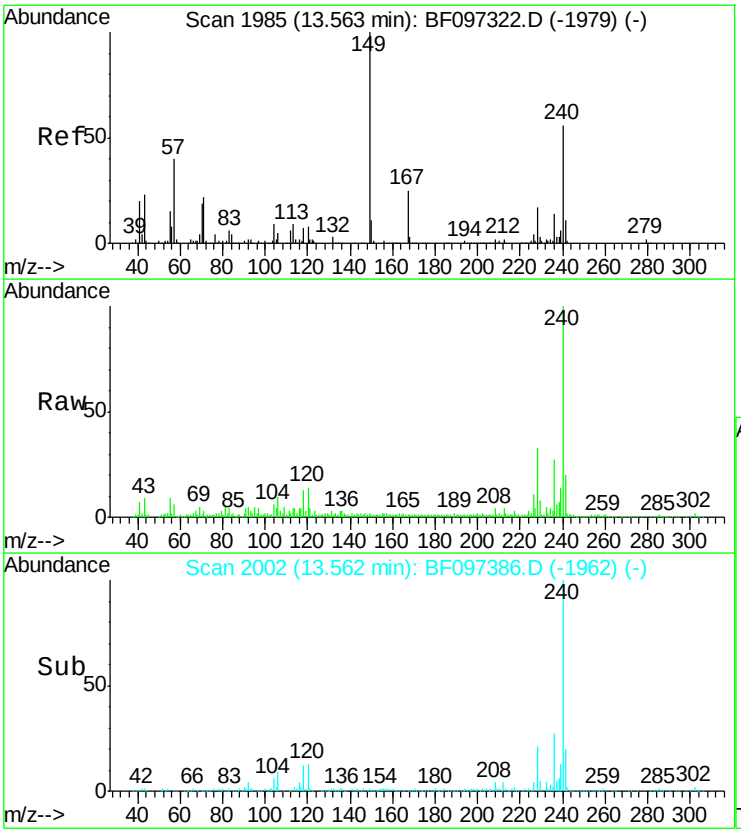
#74
Fluoranthene
Concen: 48.03 ng
RT: 12.14 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 565117

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	17.8	0.0	38.1

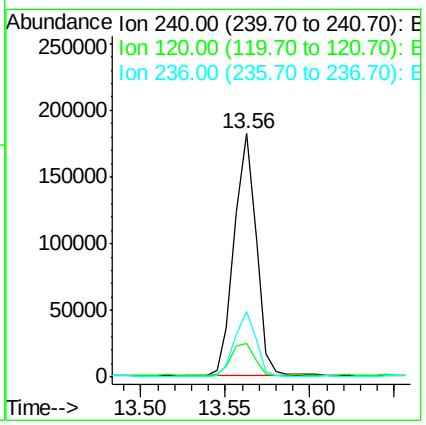


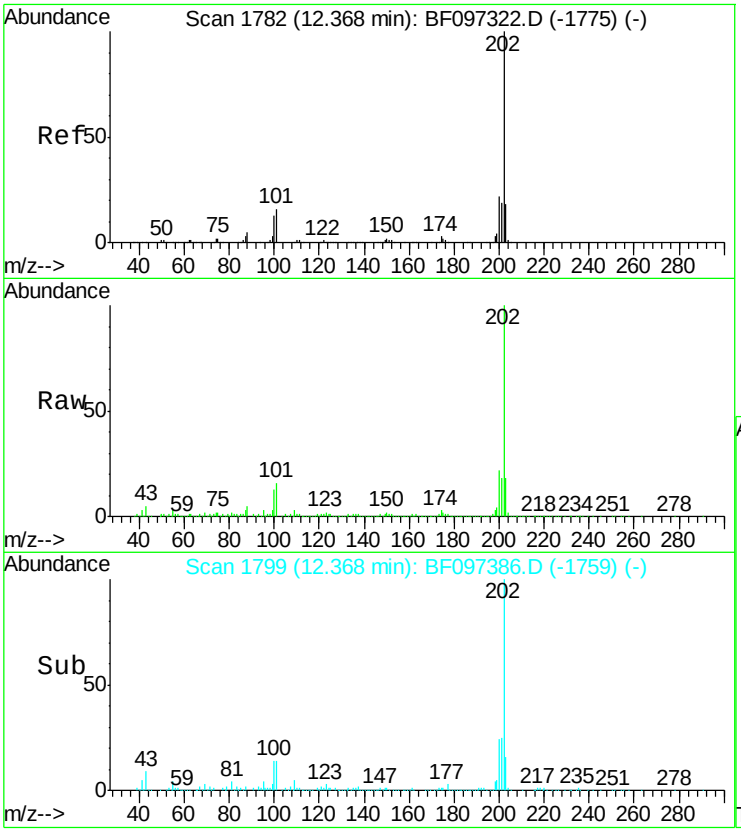


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.56 min Scan# 2002
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:240 Resp: 164841

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	26.9	20.5	30.7



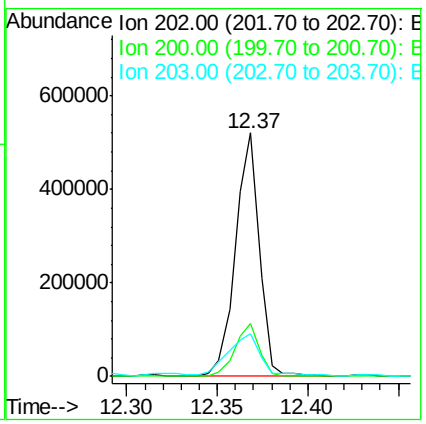


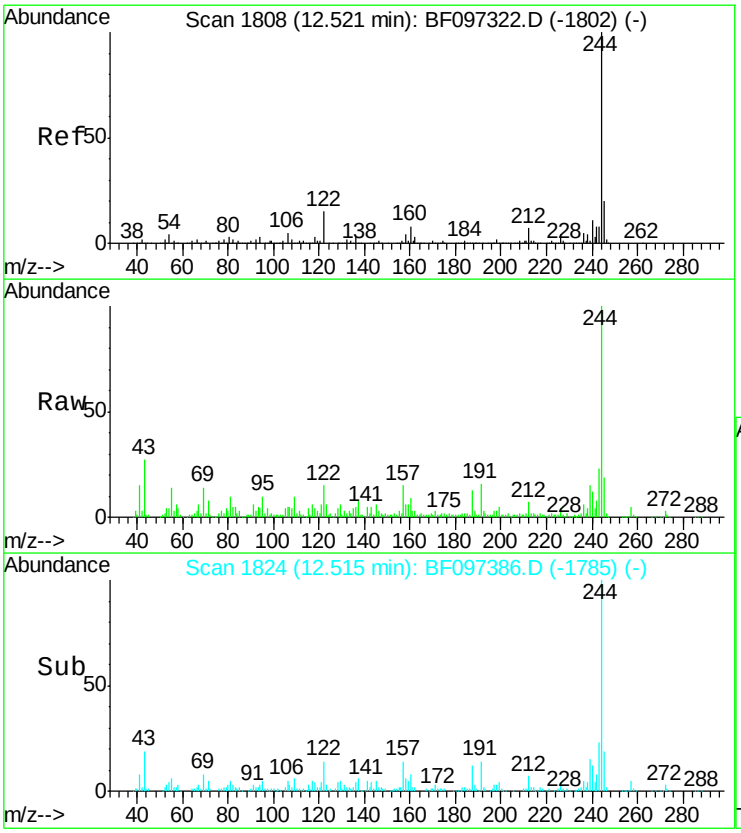
#77
Pyrene
Concen: 34.83 ng
RT: 12.37 min Scan# 1799
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 470051

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.5	14.4	21.6

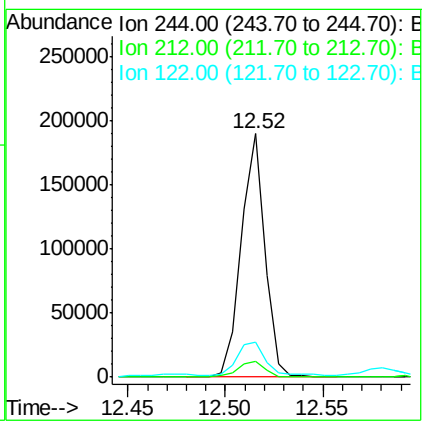


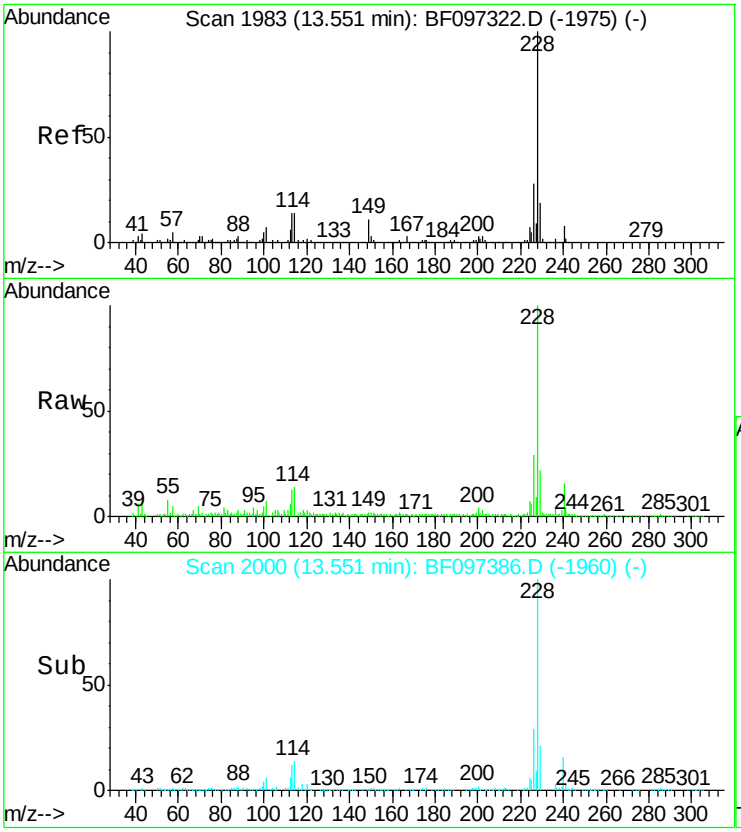


#78
Terphenyl-d14
Concen: 19.81 ng
RT: 12.52 min Scan# 1824
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:244 Resp: 160164

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.5	10.3	15.5



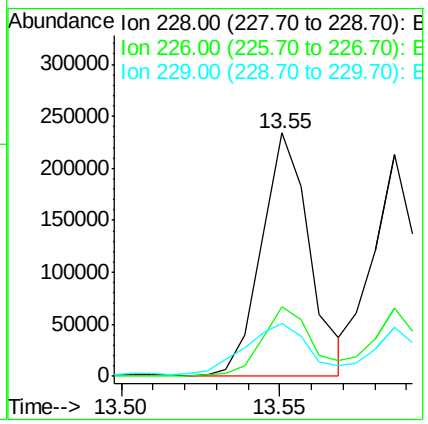


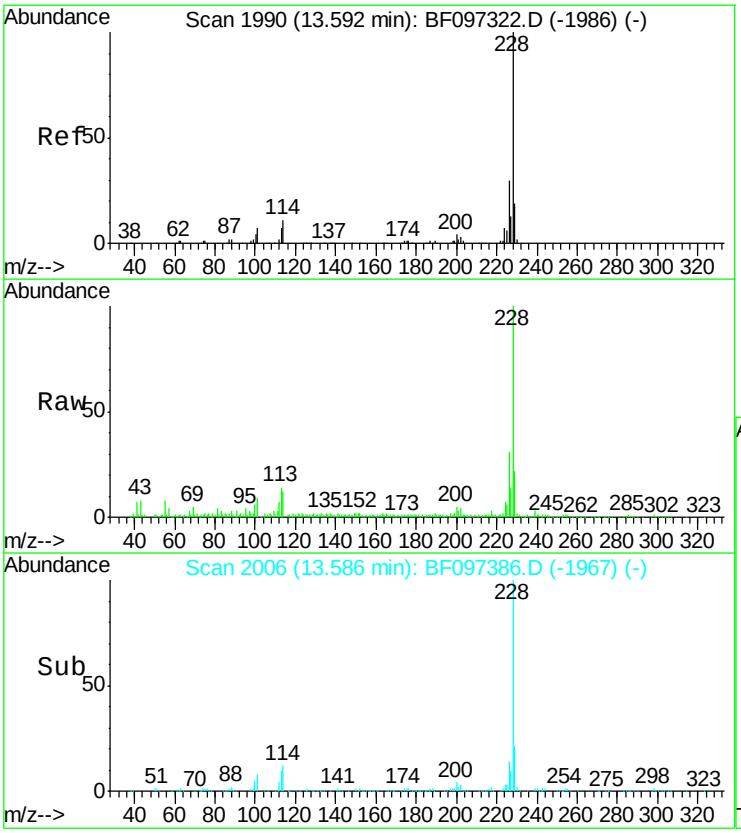
#80
Benzo(a)anthracene
Concen: 22.99 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 245259

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	22.0	16.3	24.5

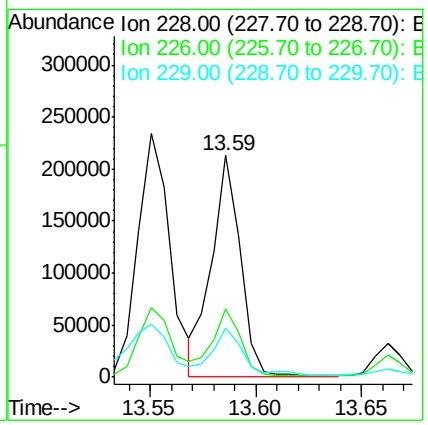


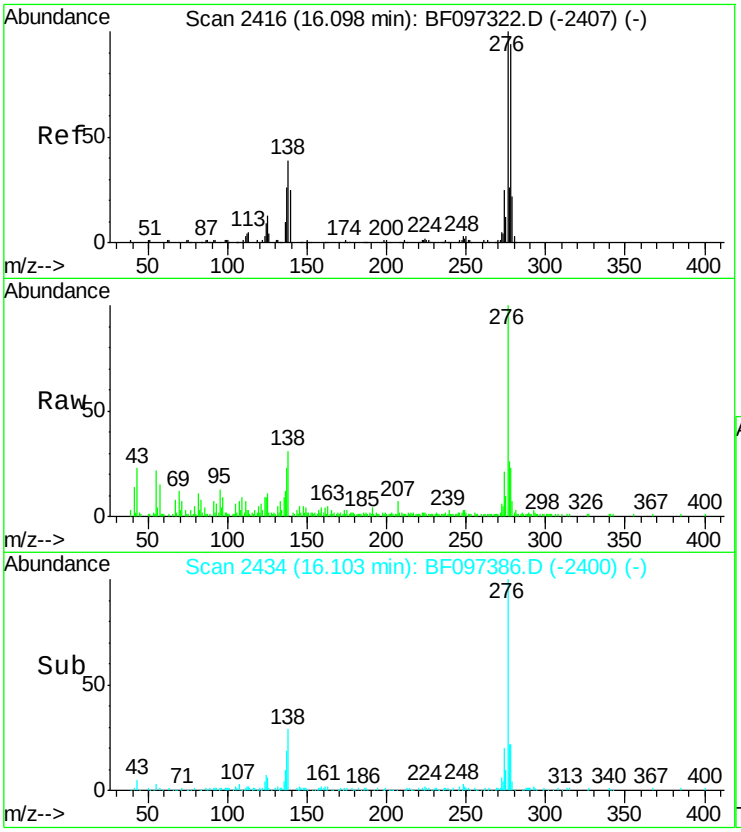


#82
Chrysene
Concen: 19.36 ng
RT: 13.59 min Scan# 2006
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:228 Resp: 201658

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.1	15.8	23.6



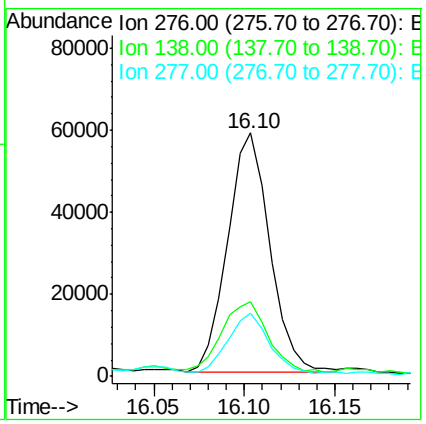


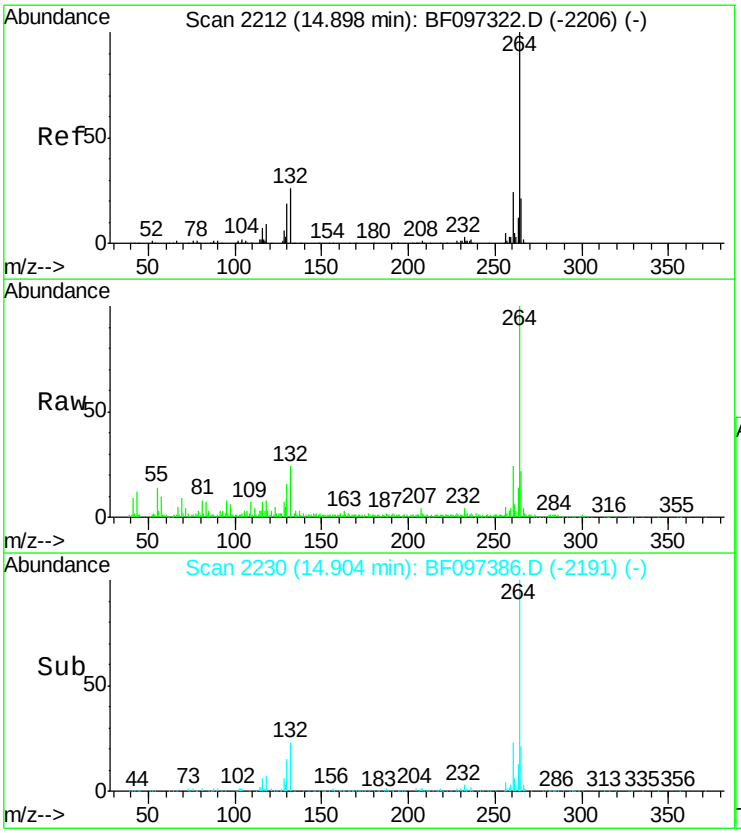
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.61 ng
RT: 16.10 min Scan# 2434
Delta R.T. -0.10 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 94744

Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	24.1	20.2	30.4

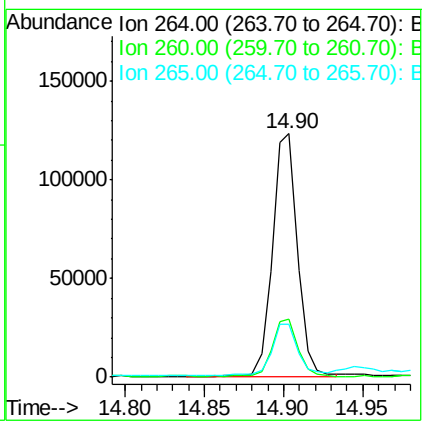


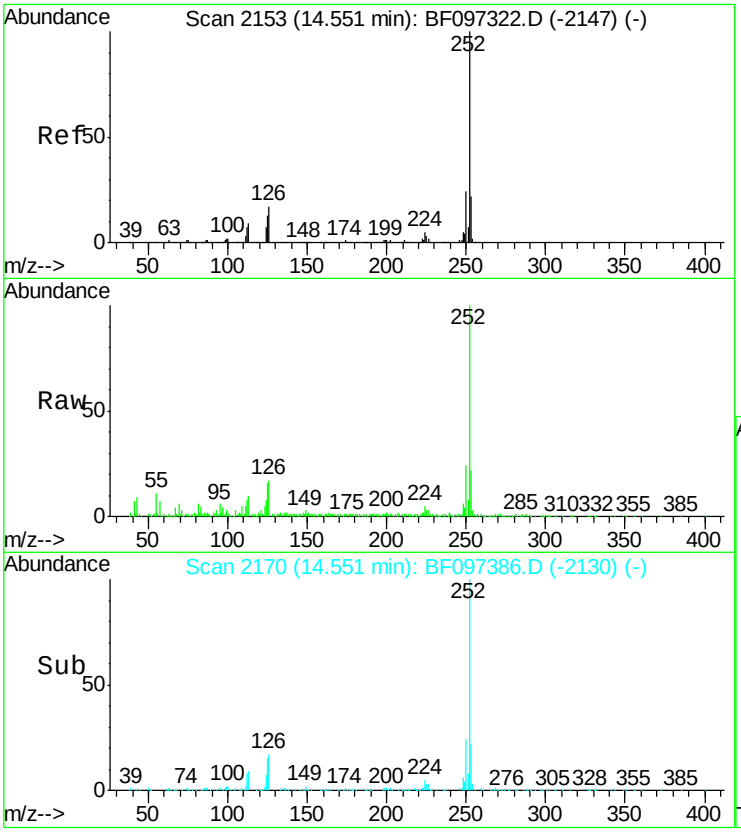


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 2230
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:264 Resp: 136172

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8



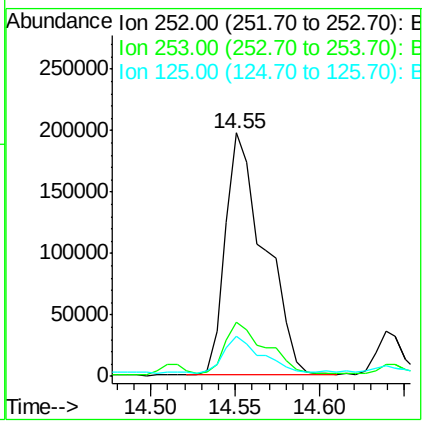


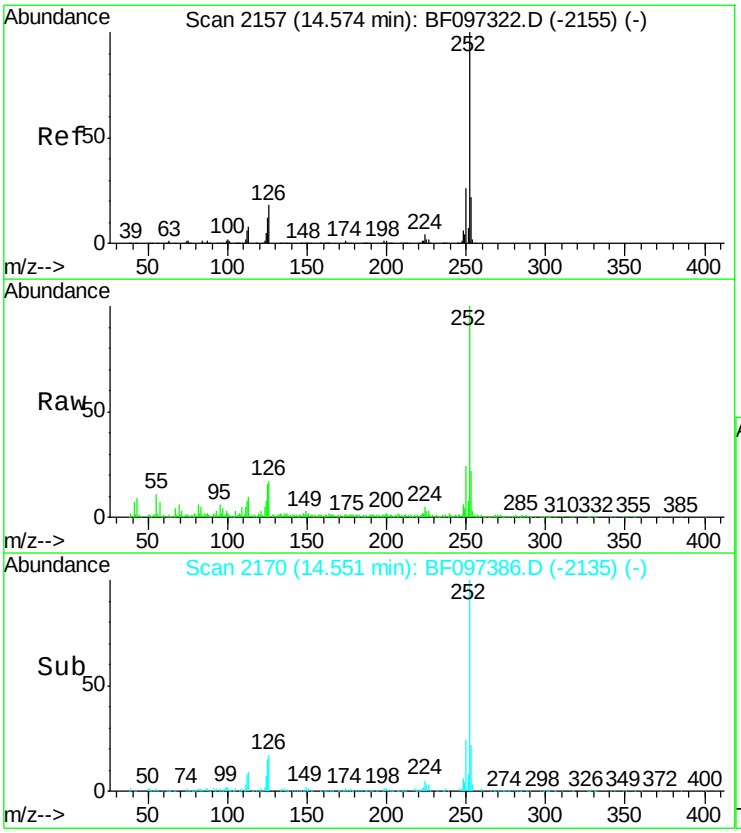
#87
Benzo(b)fluoranthene
Concen: 38.46 ng
RT: 14.55 min Scan# 2170
Delta R.T. -0.06 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 314779

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	16.3	9.8	14.8#

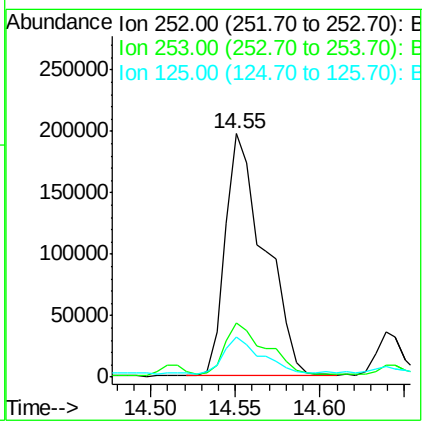


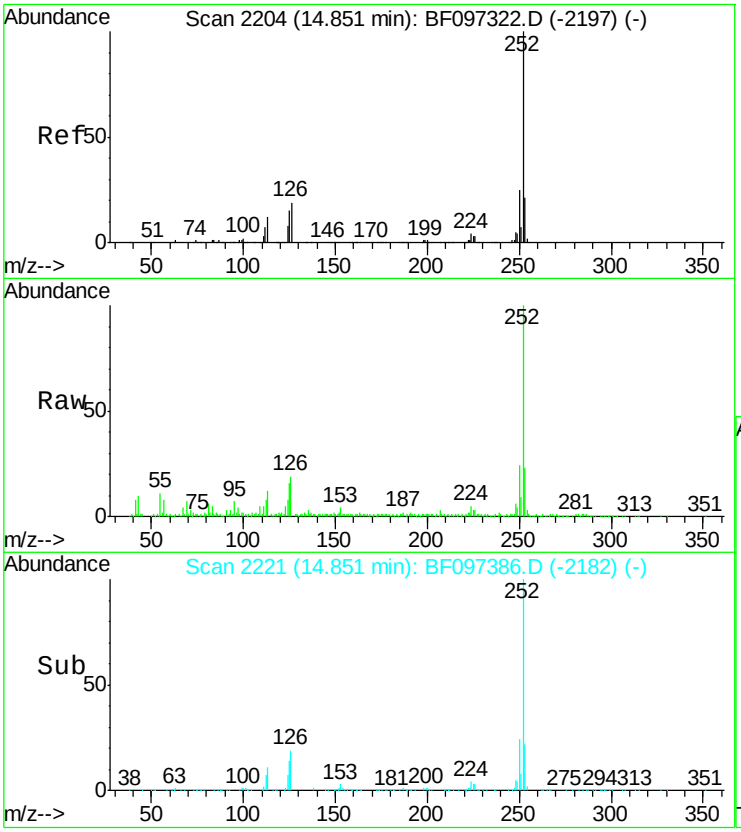


#88
Benzo(k)fluoranthene
Concen: 40.36 ng
RT: 14.55 min Scan# 2170
Delta R.T. -0.09 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:252 Resp: 314779

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	16.3	13.1	19.7



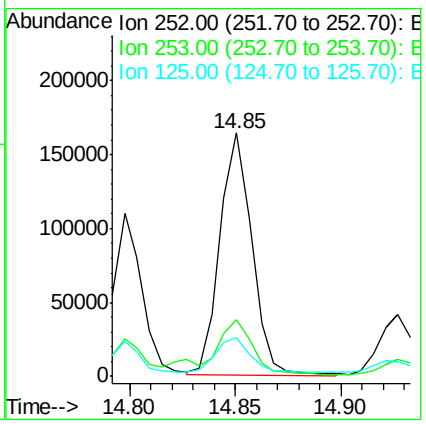


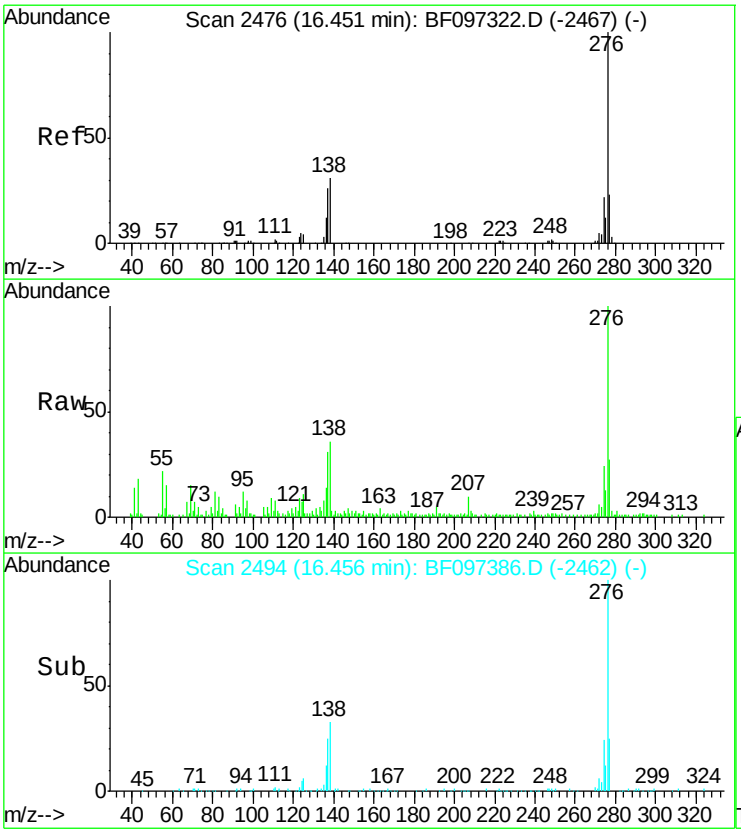
#89
Benzo(a)pyrene
Concen: 23.02 ng
RT: 14.85 min Scan# 2221
Delta R.T. -0.07 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 172421

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.8	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 13.47 ng
RT: 16.46 min Scan# 2494
Delta R.T. -0.11 min
Lab File: BF097386.D
Acq: 5 Aug 2017 5:57

Tgt Ion:276 Resp: 86801

Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.6	28.0
138	35.9	25.4	38.0