Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097288.D
Acq On : 2 Aug 2017 22:07
Operator : SJ/JU
Sample : I4540-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 02 23:12:12 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	110536	20.00	ng		-0.05
21) Naphthalene-d8	7.73	136	460439	20.00	ng		-0.05
38) Acenaphthene-d10	9.47	164	208106	20.00	ng		-0.06
63) Phenanthrene-d10	10.95	188	323390	20.00	ng		-0.05
75) Chrysene-d12	13.58	240	184221	20.00	ng		-0.05
86) Perylene-d12	14.92	264	182063	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.05	112	92858	12.66	ng		-0.05
7) Phenol-d6	6.12	99	114350	13.66	ng		-0.05
23) Nitrobenzene-d5	7.02	82	61708	7.86	ng		-0.06
41) 2,4,6-Tribromophenol	10.26	330	16741	10.18	ng		-0.06
44) 2-Fluorobiphenyl	8.81	172	106708	8.70	ng		-0.06
78) Terphenyl-d14	12.53	244	65504	7.25	ng		-0.05
Target Compounds							Qvalue
25) Isophorone	7.02	82	61708	4.01	ng	#	67
31) Naphthalene	7.76	128	500453	23.06	ng		99
33) 4-Chloroaniline	7.76	127	65980	7.47	ng	#	34
37) 2-Methylnaphthalene	8.45	142	117674	8.56	ng		98
45) 1,1'-Biphenyl	8.91	154	35611	2.00	ng		97
48) Acenaphthylene	9.51	152	224414	11.18	ng	#	1
50) 2,6-Dinitrotoluene	9.47	165	29779	8.88	ng	#	34
51) Acenaphthene	9.51	154	411205	34.77	ng		97
54) Dibenzofuran	9.68	168	284135	18.04	ng		99
55) 4-Nitrophenol	9.68	139	108173	43.72	ng	#	27
57) Fluorene	10.02	166	368839	31.15	ng		97
70) Phenanthrene	10.99	178	1908950	110.17	ng		100
71) Anthracene	11.03	178	889451	50.12	ng		100
72) Carbazole	11.19	167	365160	20.92	ng		97
74) Fluoranthene	12.17	202	1616630	95.24	ng		99
77) Pyrene	12.39	202	1339564	88.82	ng		99
80) Benzo(a)anthracene	13.57	228	735304	61.69	ng		99
82) Chrysene	13.60	228	599073	51.47	ng		96
85) Indeno(1,2,3-cd)pyrene	16.13	276	249283	24.98	ng		98
87) Benzo(b)fluoranthene	14.57	252	947386	86.56	ng	#	97
88) Benzo(k)fluoranthene	14.57	252	947386	90.84	ng		99
89) Benzo(a)pyrene	14.87	252	527244	52.64	ng		98
90) Dibenzo(a,h)anthracene	16.26	278	60617	7.38	ng		95
91) Benzo(g,h,i)perylene	16.49	276	230071	26.71	ng		98

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

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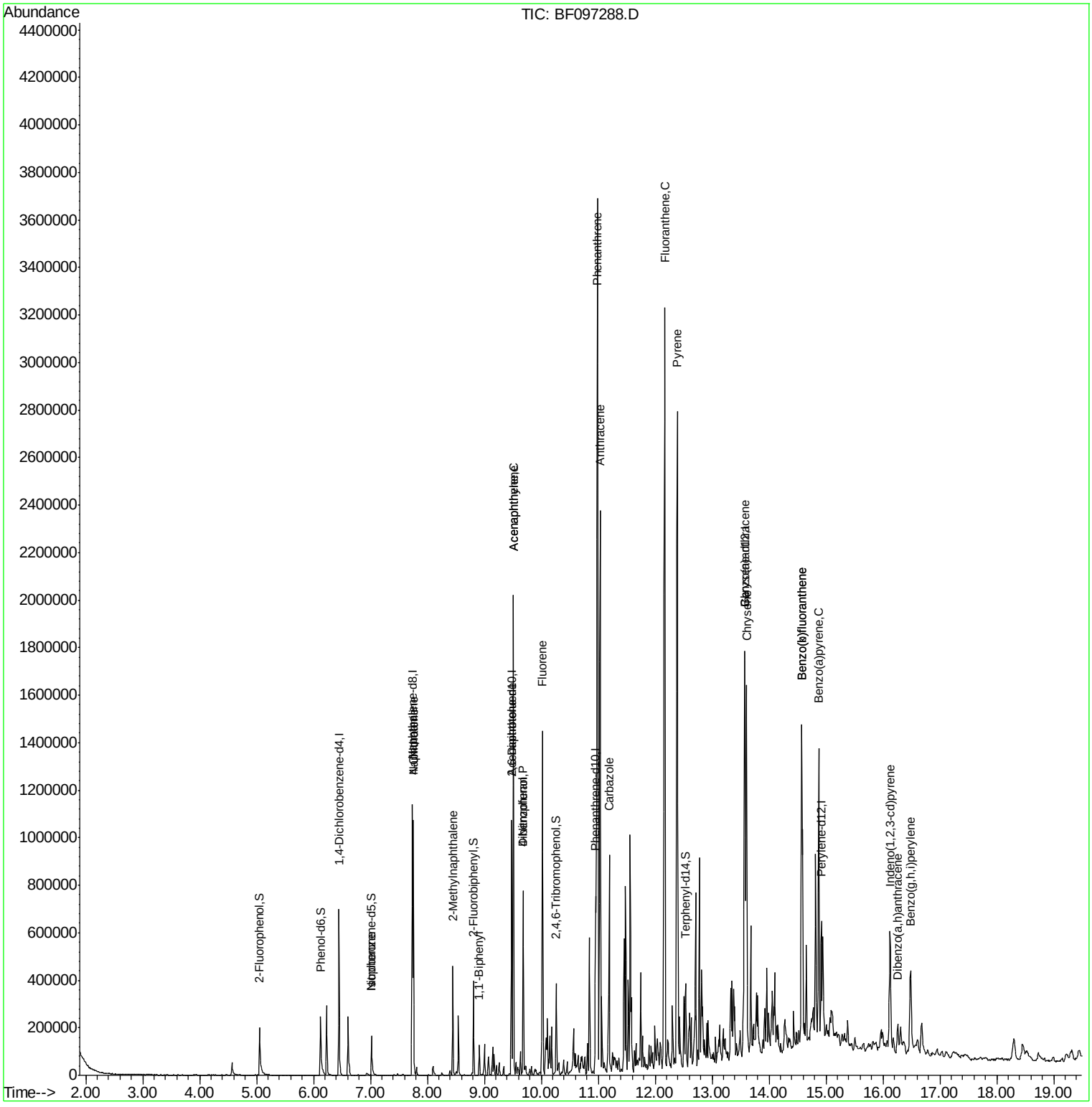
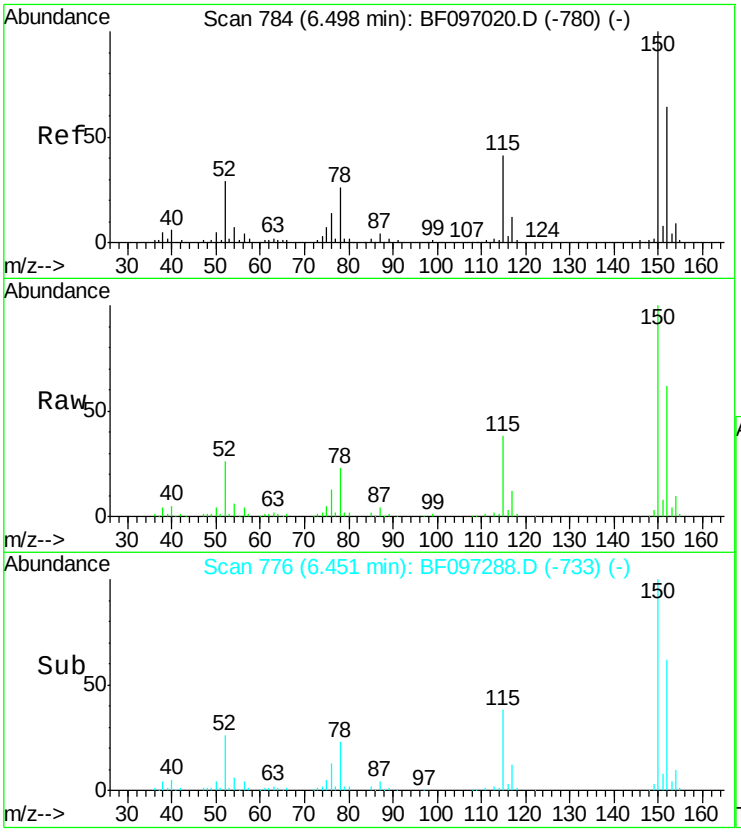


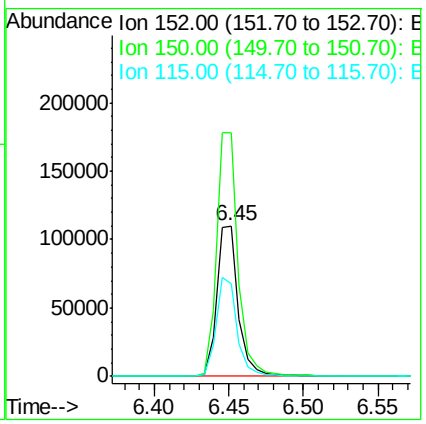


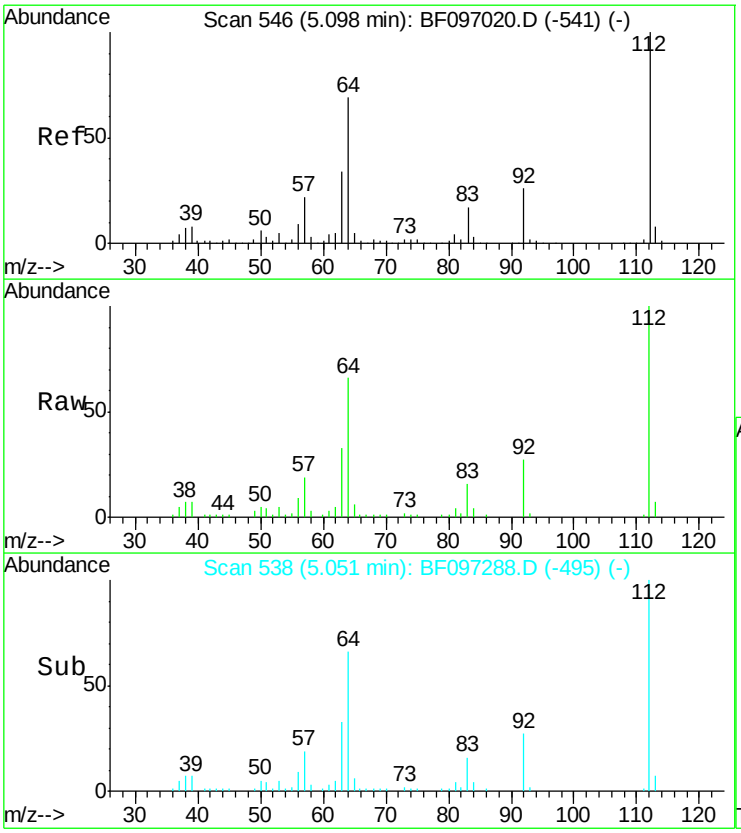
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 110536

Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.2	189.2
115	61.5	52.2	78.2

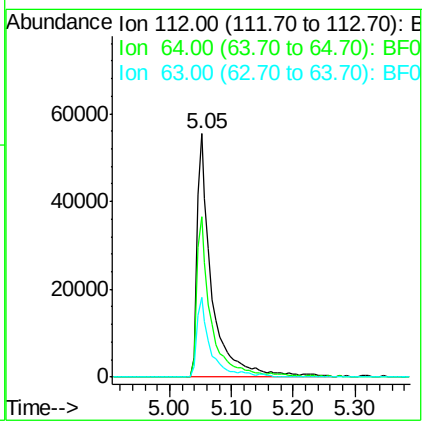


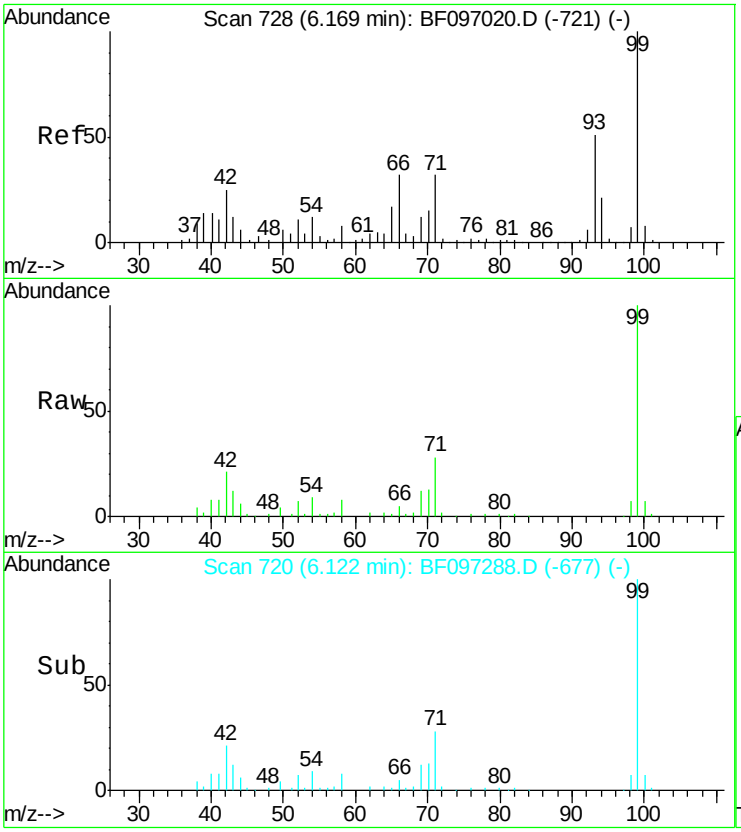


#5
2-Fluorophenol
Concen: 12.66 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:112 Resp: 92858

Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	32.8	23.4	35.0



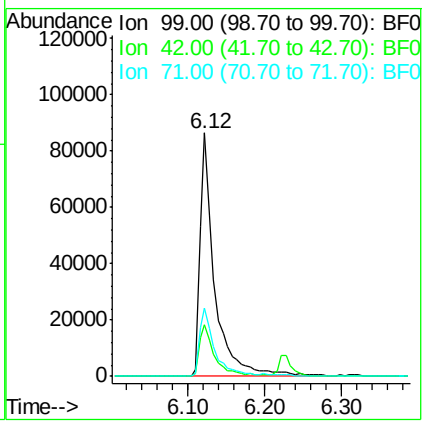


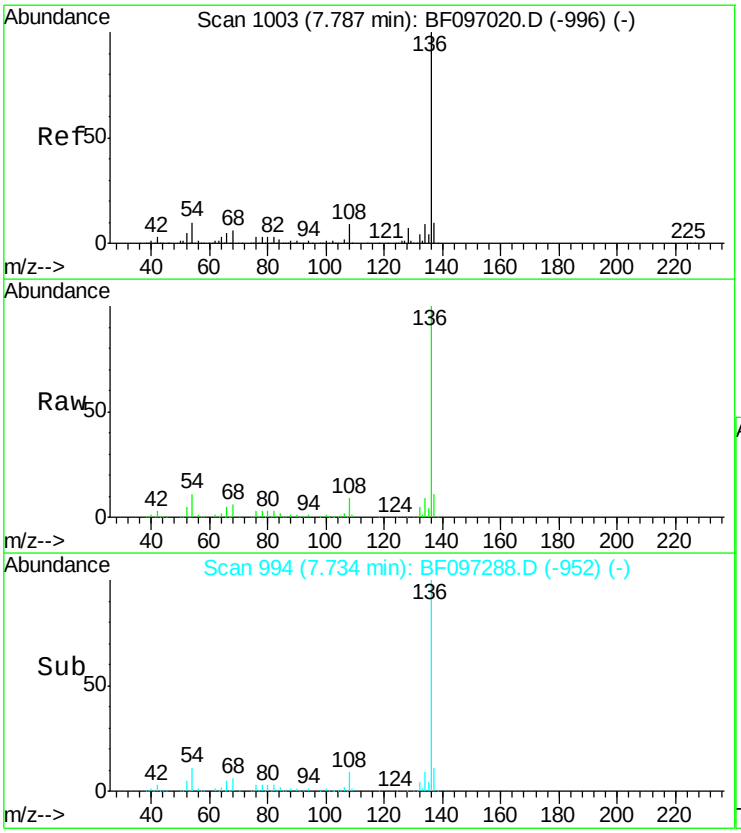
#7
Phenol-d6
Concen: 13.66 ng
RT: 6.12 min Scan# 720
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 114350

Ion	Ratio	Lower	Upper
99	100		
42	21.4	13.5	20.3#
71	28.3	24.5	36.7

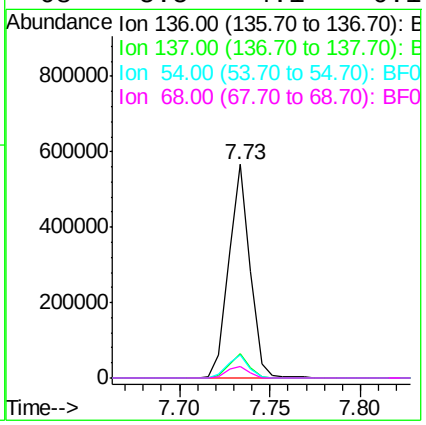


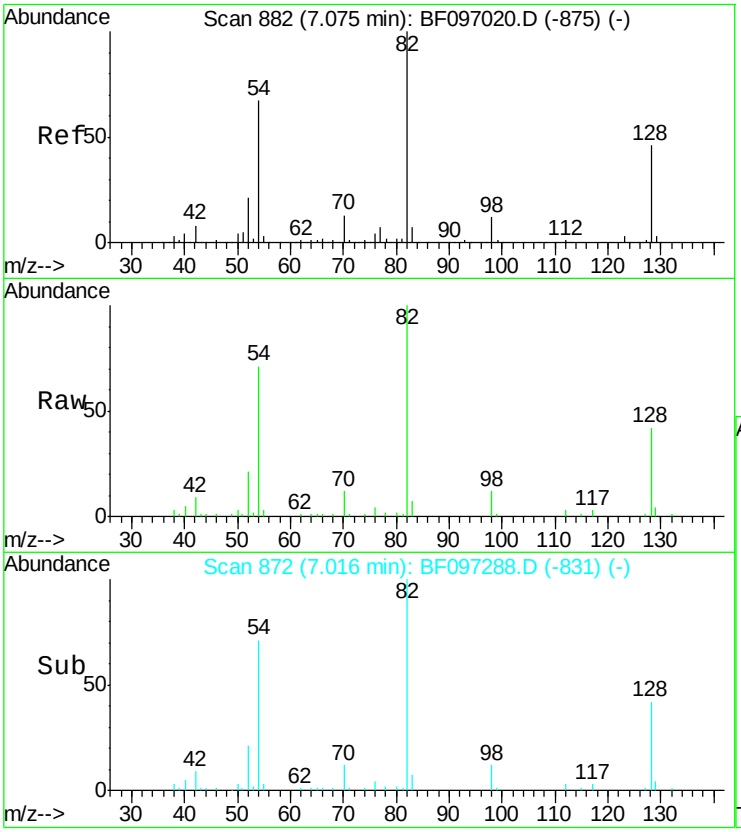


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:136 Resp: 460439

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	5.5	4.1	6.1



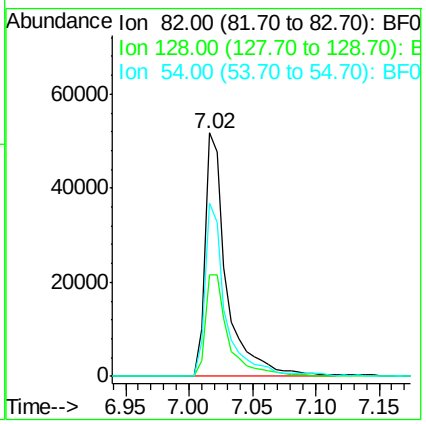


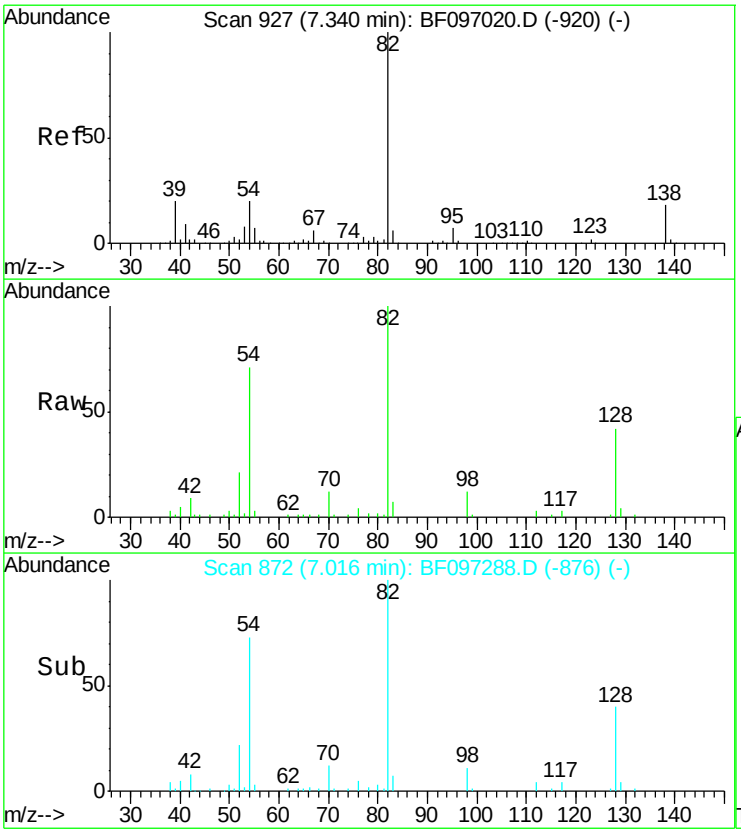
#23
Nitrobenzene-d5
Concen: 7.86 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 61708

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	71.4	42.2	63.2#

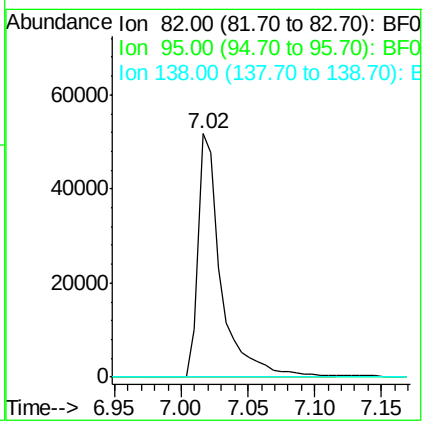


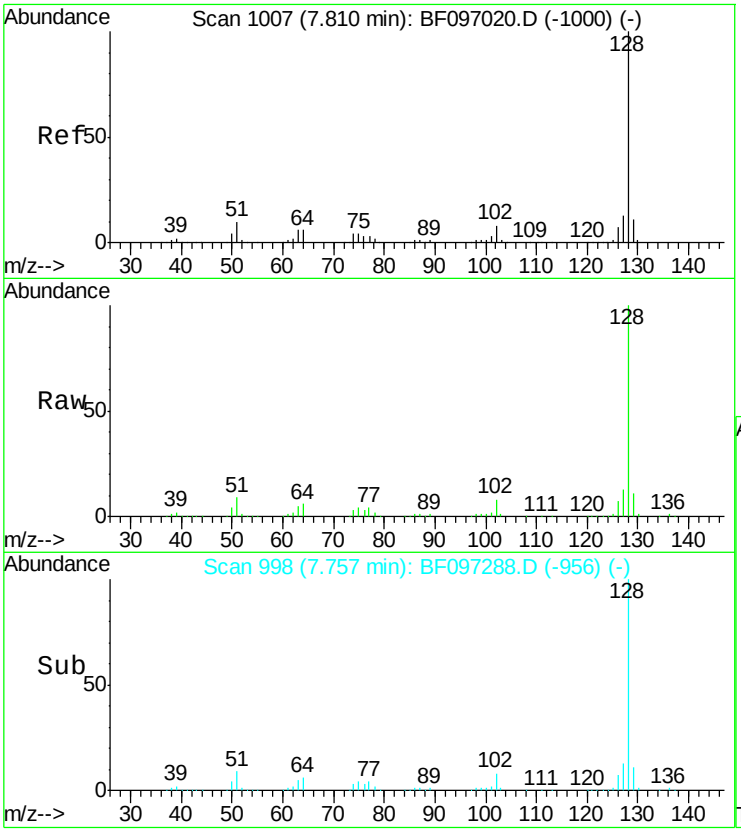


#25
Isophorone
Concen: 4.01 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.32 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion: 82 Resp: 61708

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

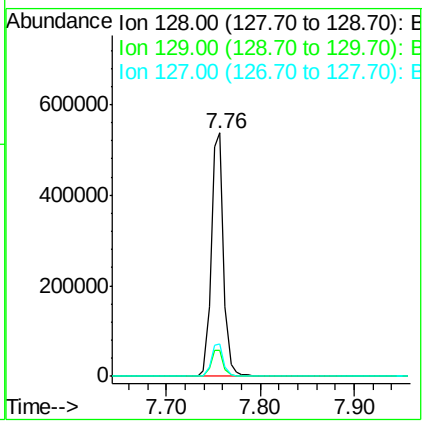




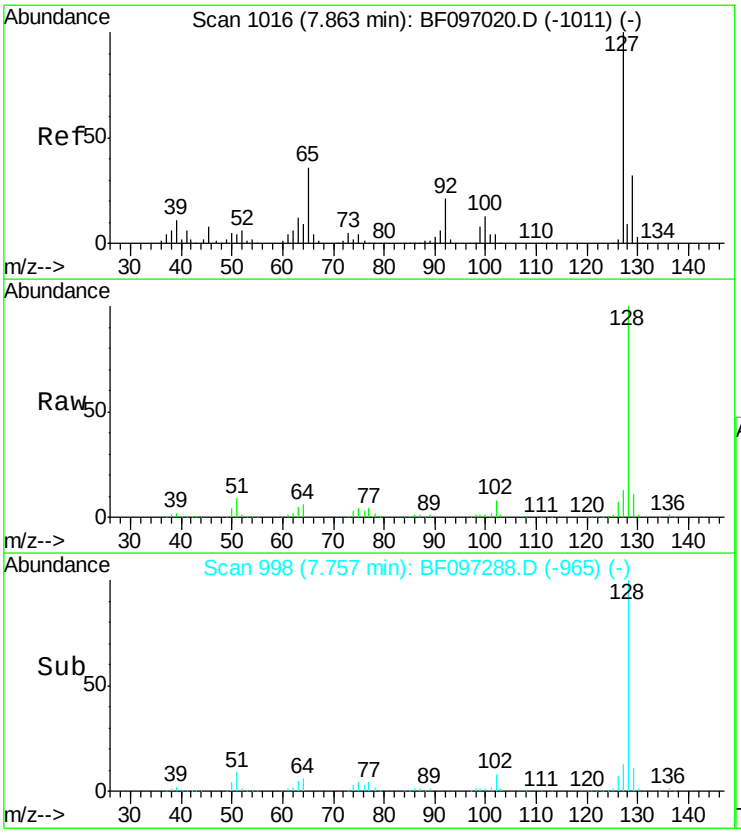
#31
Naphthalene
Concen: 23.06 ng
RT: 7.76 min Scan# 998
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:128 Resp: 500453

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.3	10.8	16.2



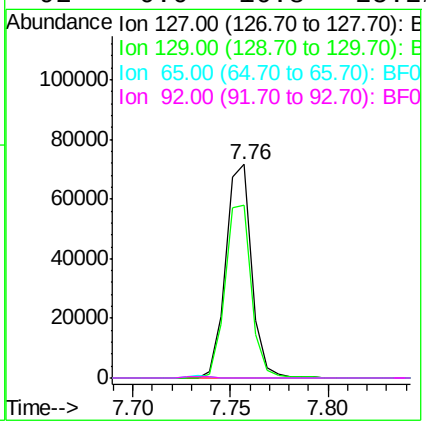
Instrument :
BNA_F
ClientSampleId :

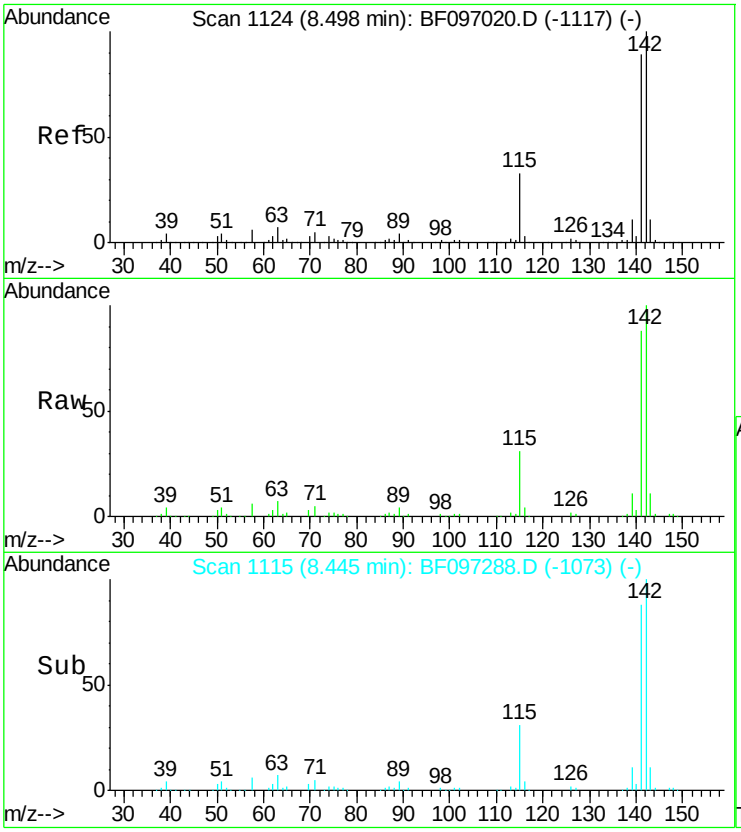


#33
4-Chloroaniline
Concen: 7.47 ng
RT: 7.76 min Scan# 998
Delta R.T. -0.11 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:127 Resp: 65980

Ion	Ratio	Lower	Upper
127	100		
129	80.9	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

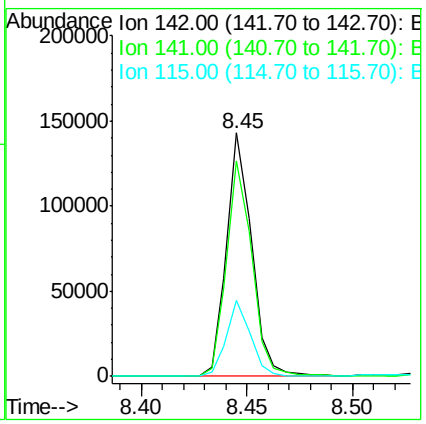




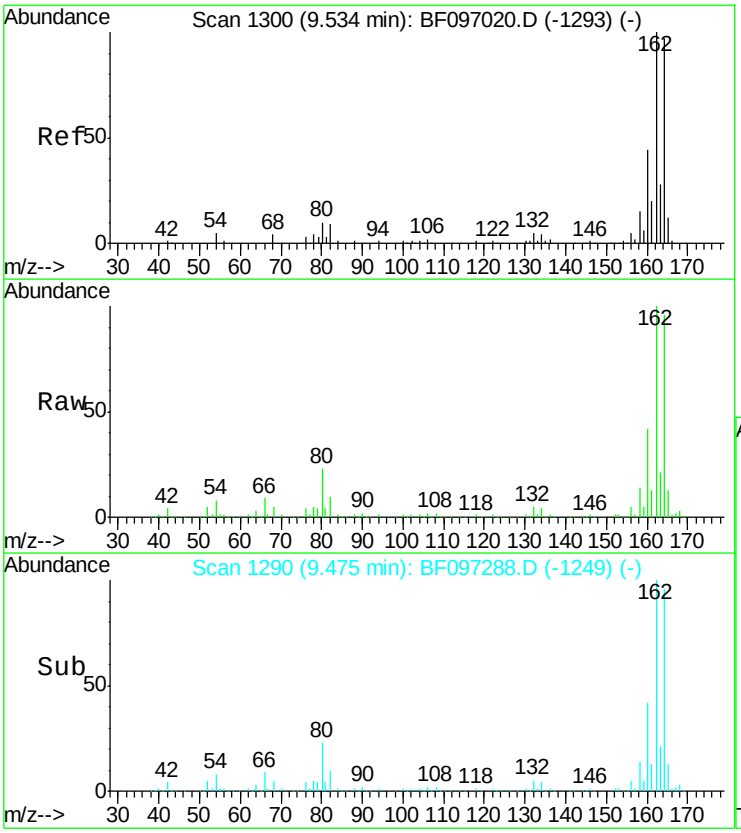
#37
2-Methylnaphthalene
Concen: 8.56 ng
RT: 8.45 min Scan# 1115
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:142 Resp: 117674

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	31.0	27.1	40.7



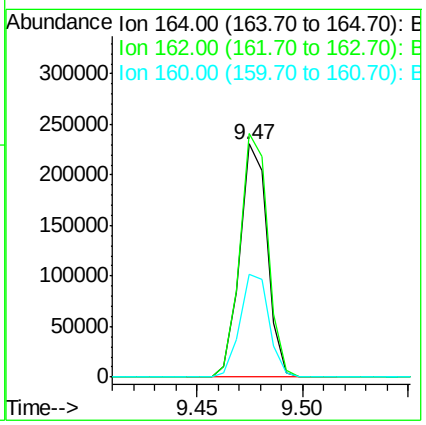
Instrument :
BNA_F
ClientSampleId :

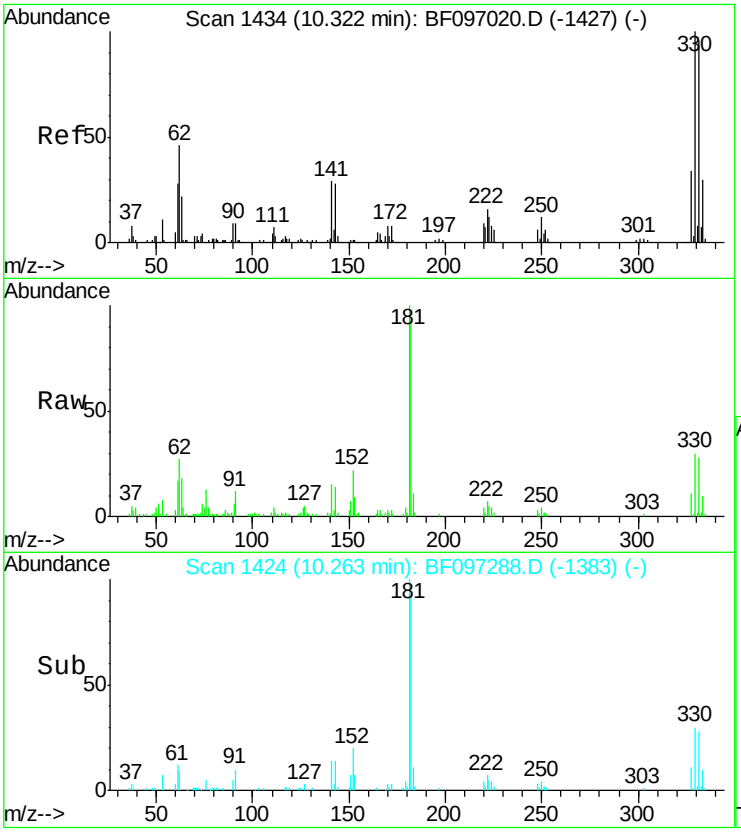


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:164 Resp: 208106

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	44.0	36.2	54.2



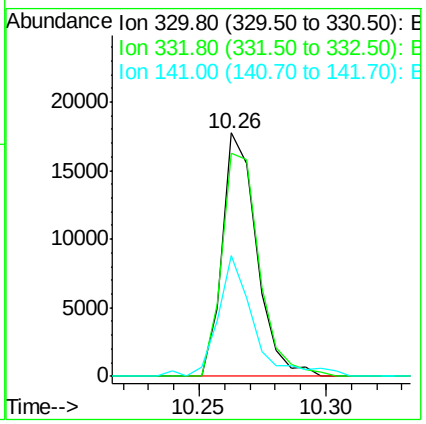


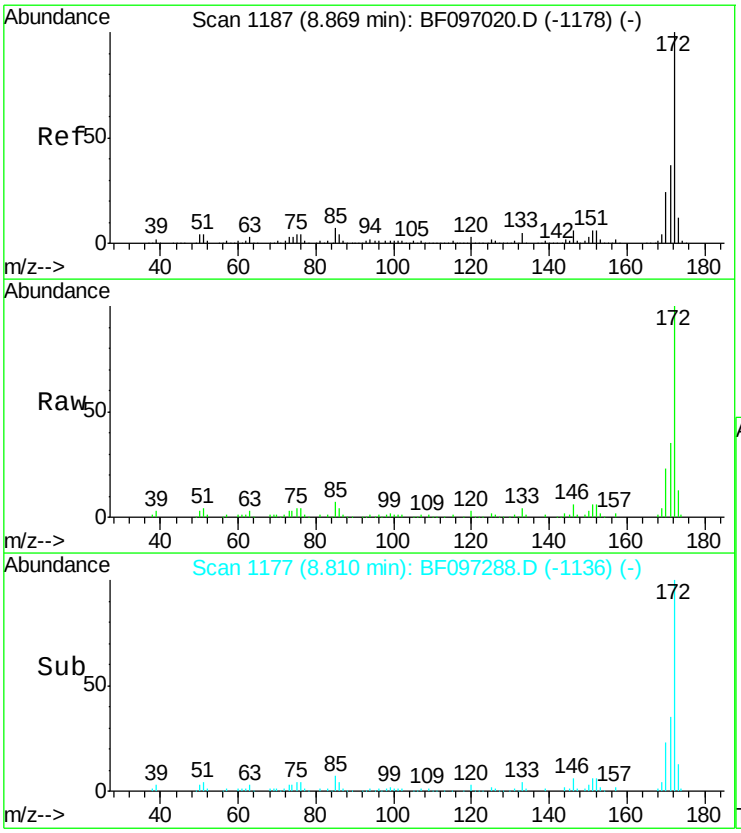
#41
2,4,6-Tribromophenol
Concen: 10.18 ng
RT: 10.26 min Scan# 1424
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 16741

Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.6	115.0
141	51.6	31.4	47.2#

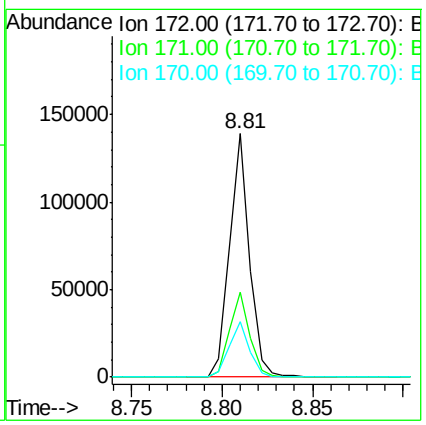


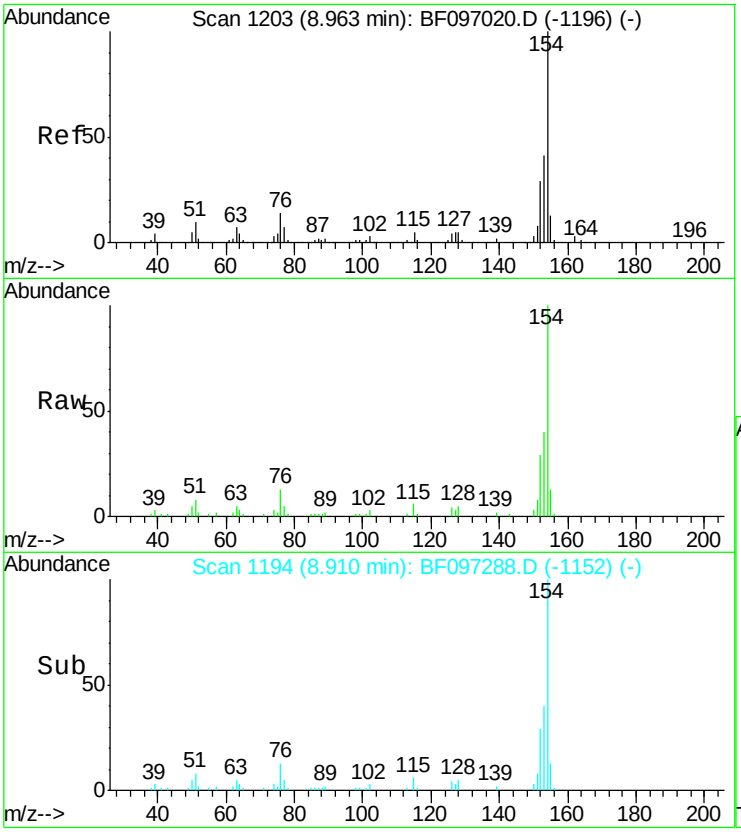


#44
2-Fluorobiphenyl
Concen: 8.70 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:172 Resp: 106708

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	23.0	19.8	29.8



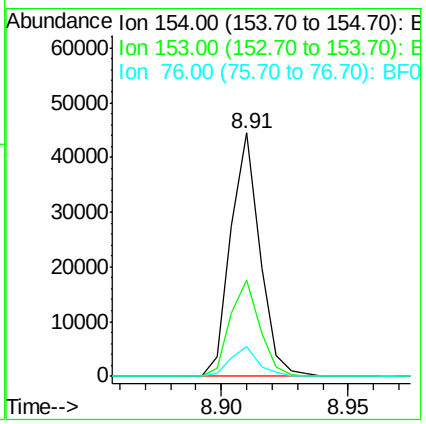


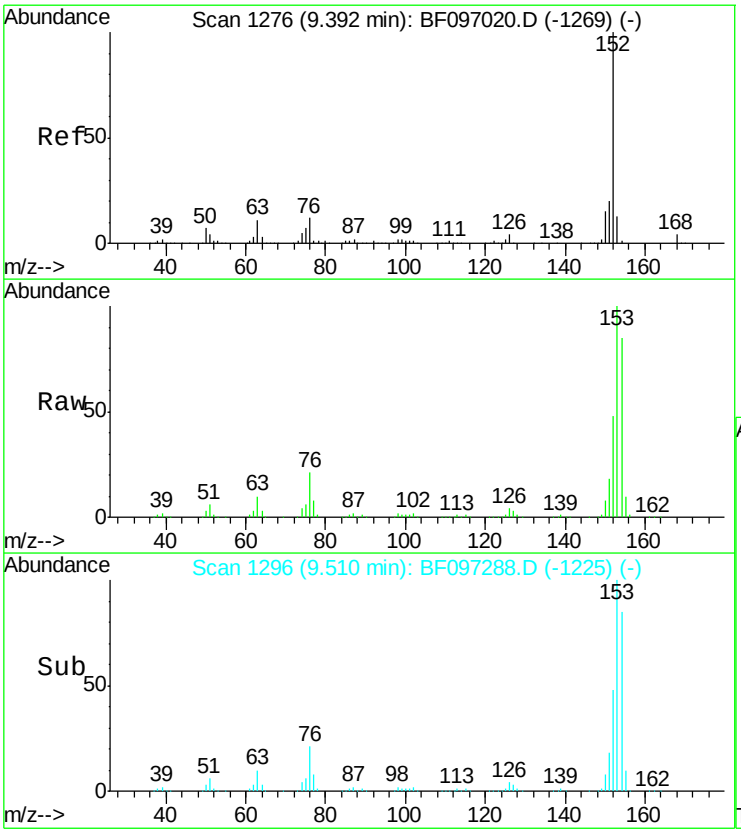
#45
1,1'-Biphenyl
Concen: 2.00 ng
RT: 8.91 min Scan# 1194
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 35611

Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.2	61.2
76	12.5	0.0	29.9

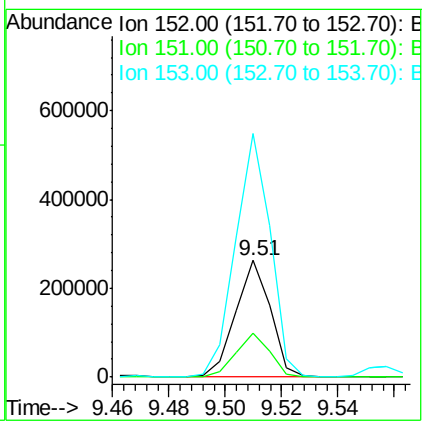


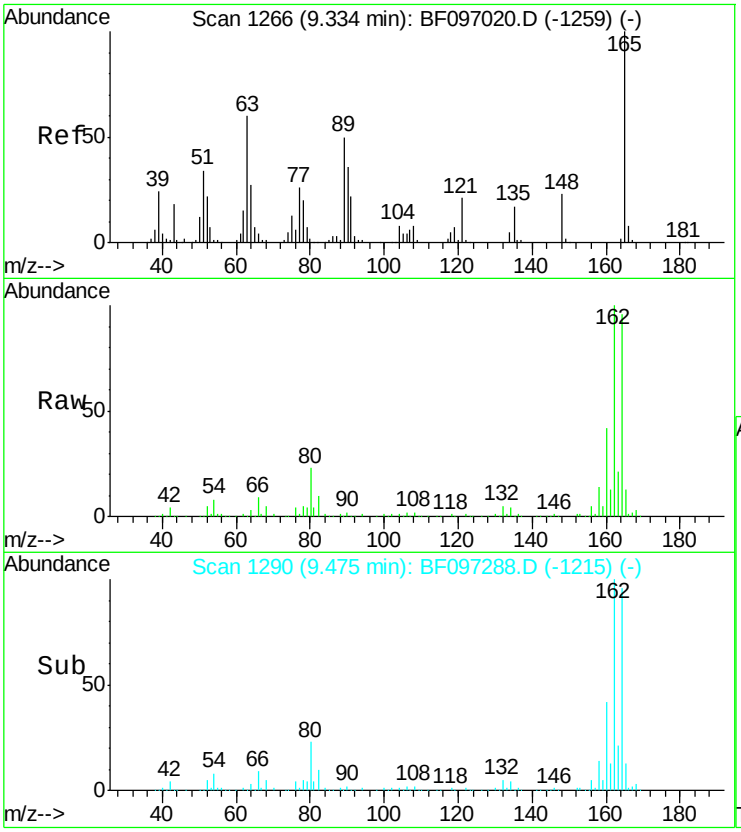


#48
Acenaphthylene
Concen: 11.18 ng
RT: 9.51 min Scan# 1296
Delta R.T. 0.12 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:152 Resp: 224414

Ion	Ratio	Lower	Upper
152	100		
151	37.8	16.8	25.2#
153	209.2	10.8	16.2#



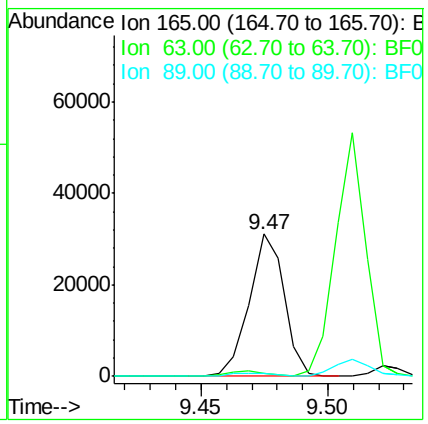


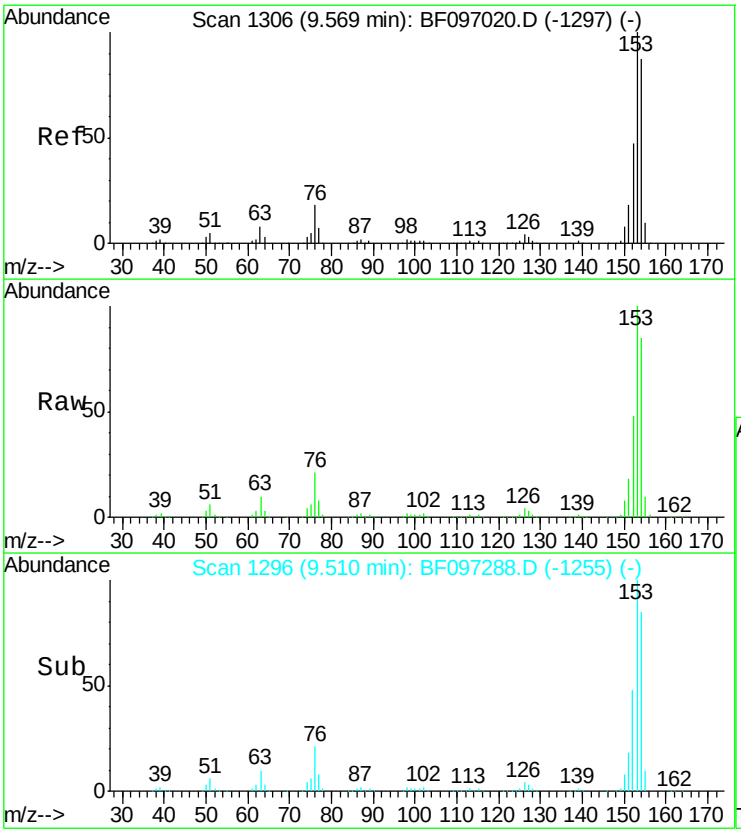
#50
2,6-Dinitrotoluene
Concen: 8.88 ng
RT: 9.47 min Scan# 1290
Delta R.T. 0.14 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29779

Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	1.9	37.1	55.7#

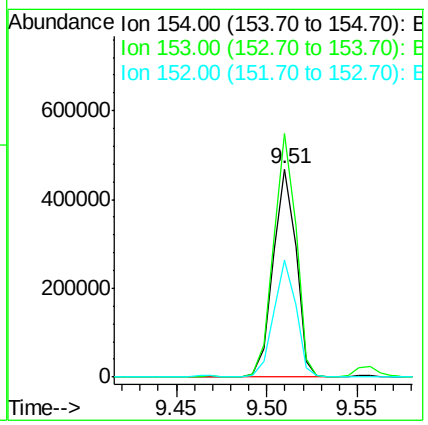


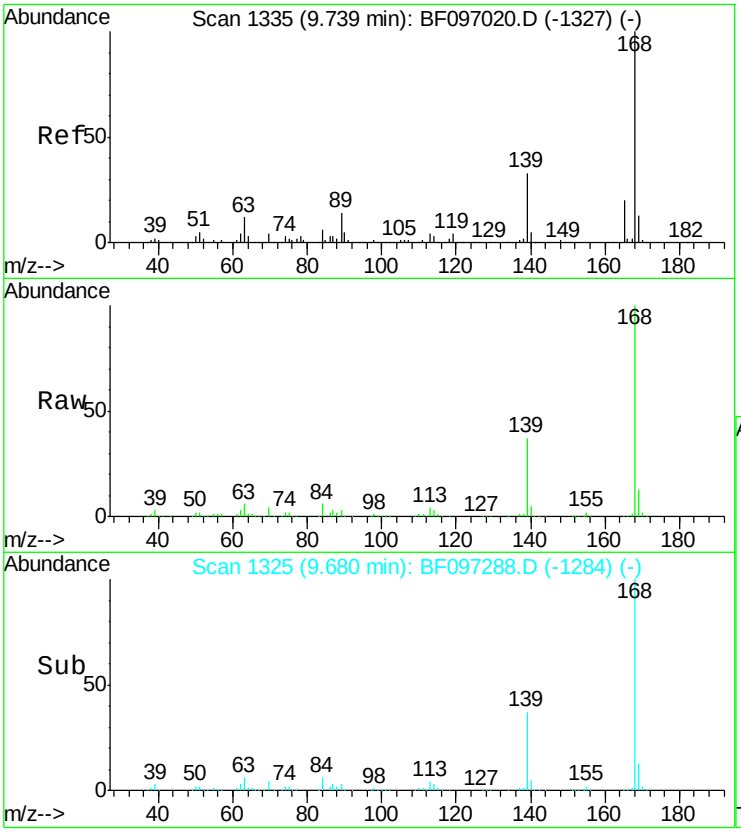


#51
Acenaphthene
Concen: 34.77 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:154 Resp: 411205

Ion	Ratio	Lower	Upper
154	100		
153	117.1	90.5	135.7
152	56.0	43.6	65.4



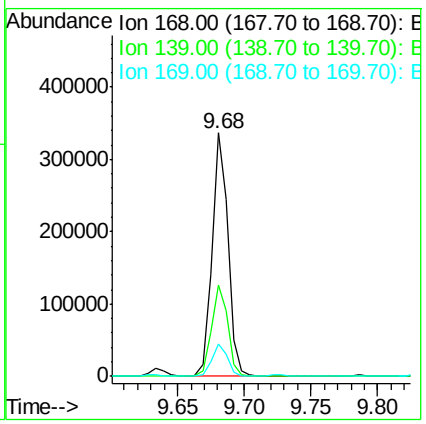


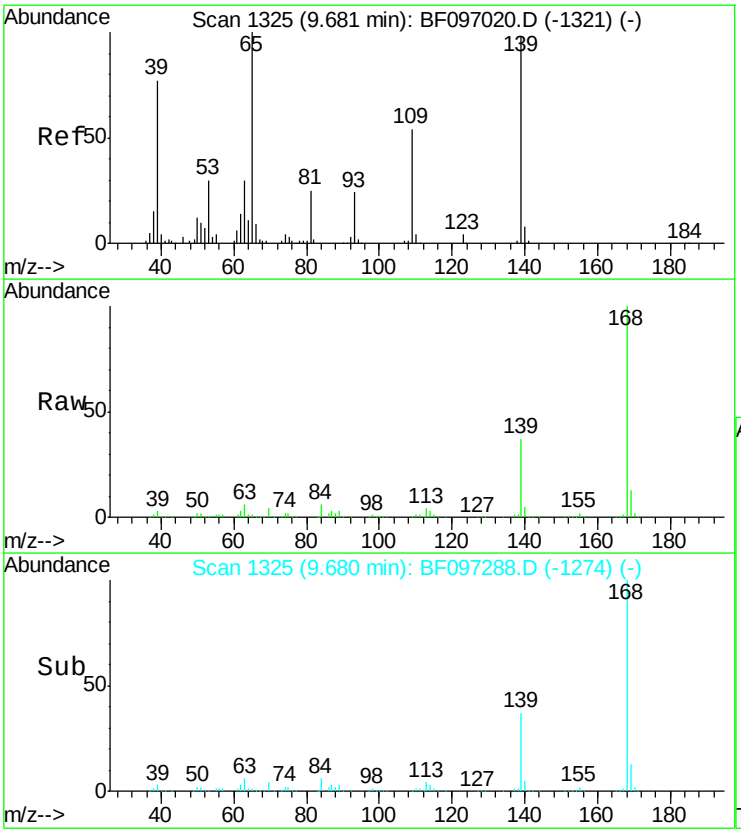
#54
Dibenzofuran
Concen: 18.04 ng
RT: 9.68 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 284135

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	45.8
169	13.2	10.8	16.2

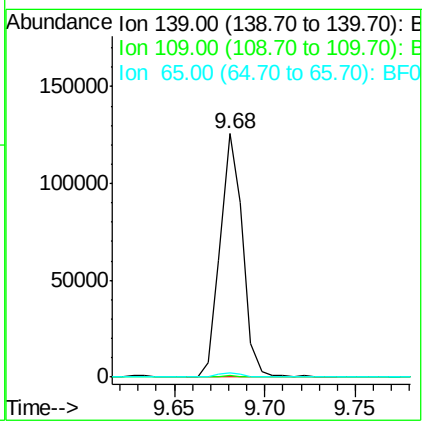


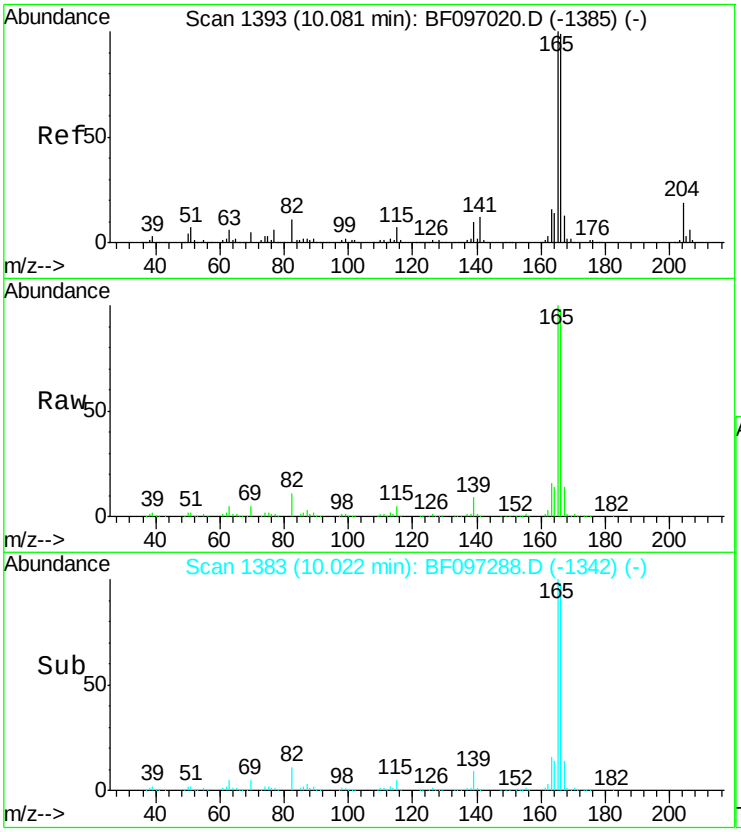


#55
4-Nitrophenol
Concen: 43.72 ng
RT: 9.68 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:139 Resp: 108173

Ion	Ratio	Lower	Upper
139	100		
109	0.6	34.1	74.1#
65	1.6	31.4	71.4#



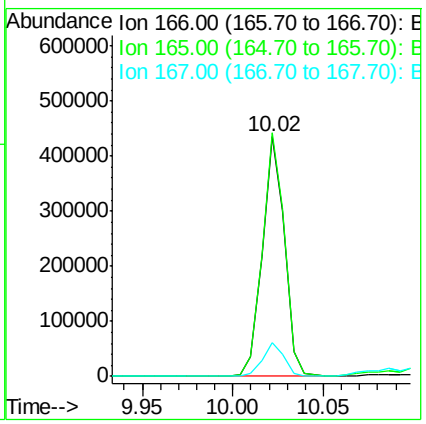


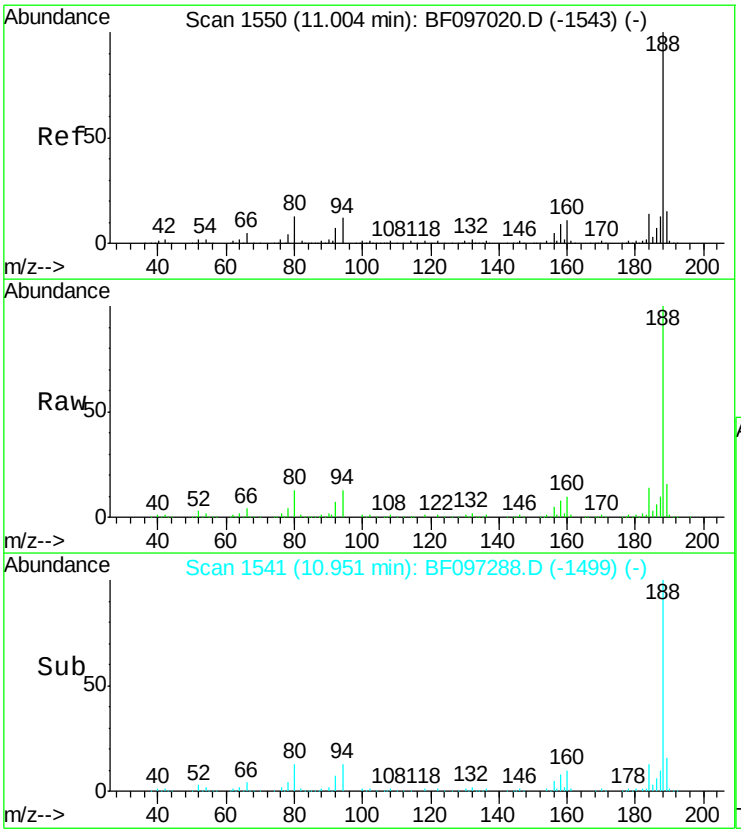
#57
Fluorene
Concen: 31.15 ng
RT: 10.02 min Scan# 1383
Delta R.T. -0.06 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 368839

Ion	Ratio	Lower	Upper
166	100		
165	101.8	78.8	118.2
167	14.1	10.6	16.0

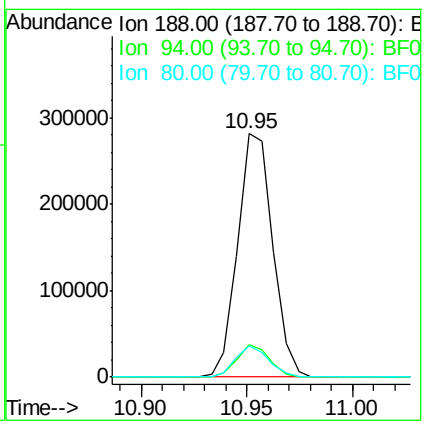


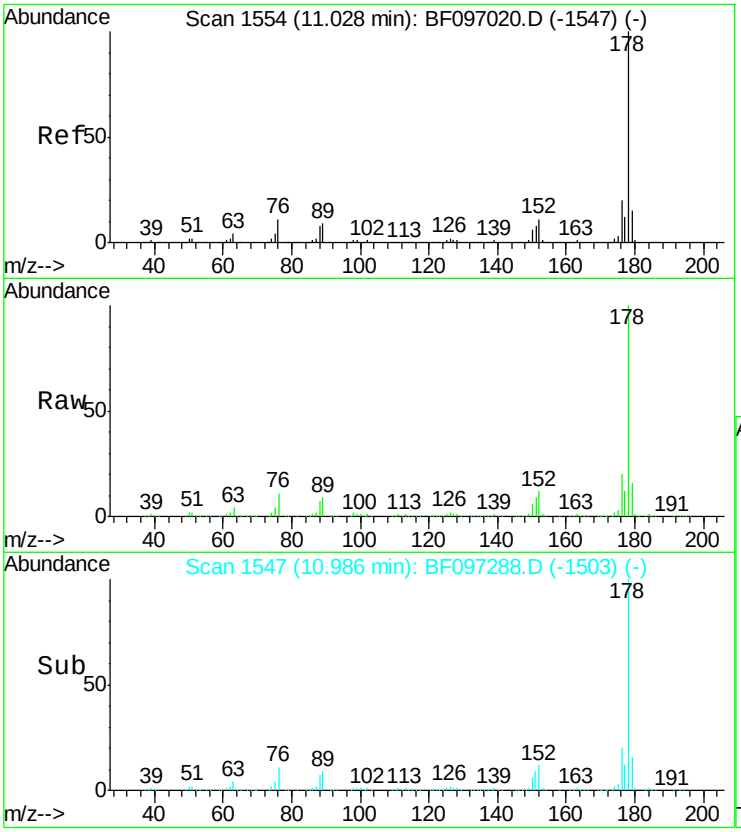


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:188 Resp: 323390

Ion	Ratio	Lower	Upper
188	100		
94	13.1	9.4	14.2
80	12.5	10.2	15.2



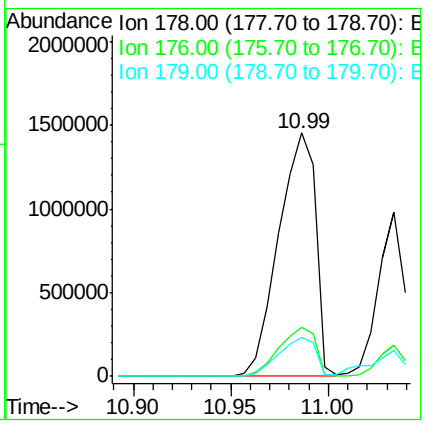


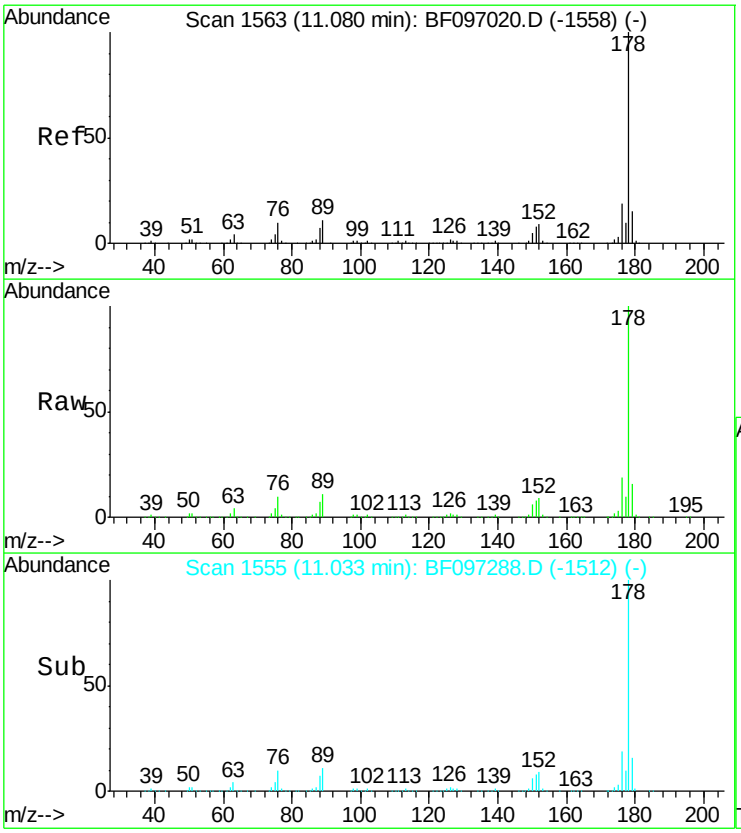
#70
Phenanthrene
Concen: 110.17 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.04 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1908950

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.8	12.6	19.0

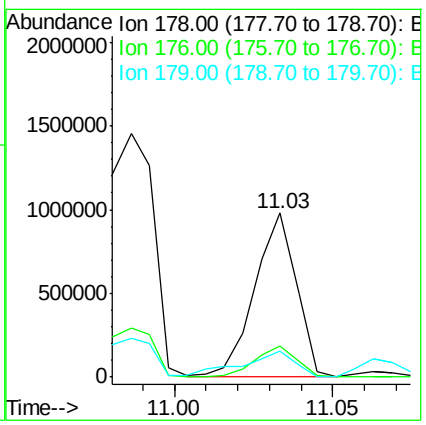


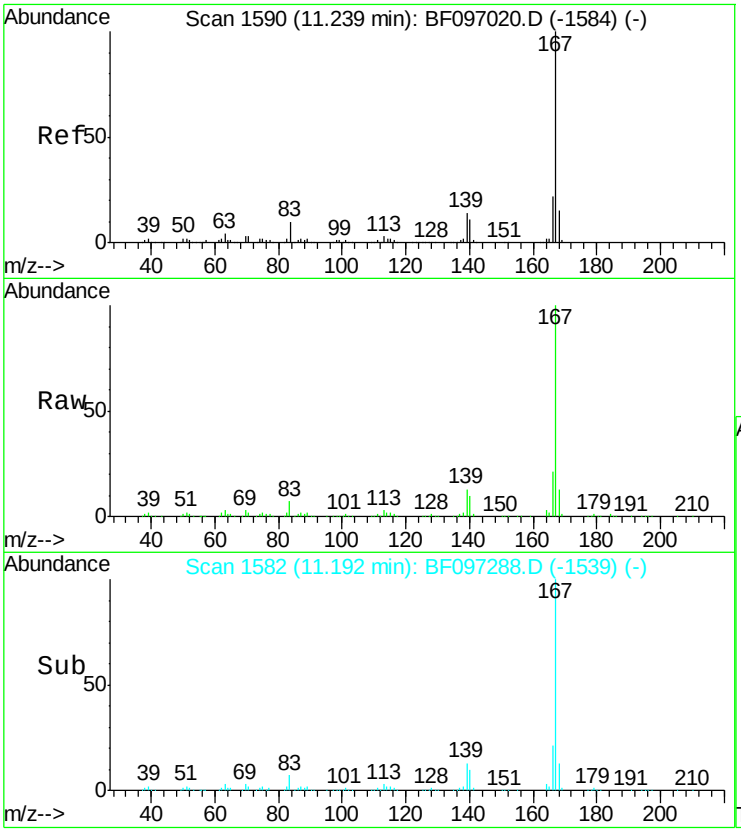


#71
Anthracene
Concen: 50.12 ng
RT: 11.03 min Scan# 1555
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:178 Resp: 889451

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	12.7	19.1



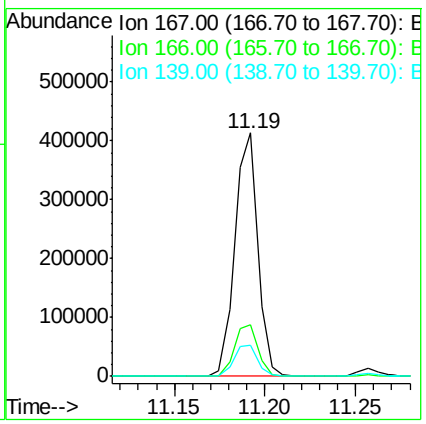


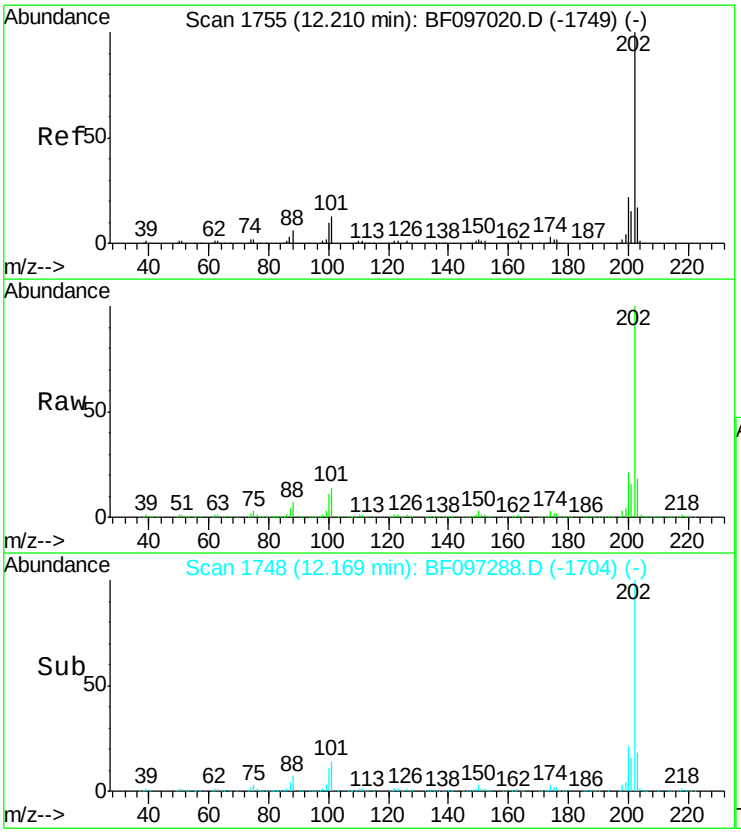
#72
Carbazole
Concen: 20.92 ng
RT: 11.19 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 365160

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.9	11.7	17.5

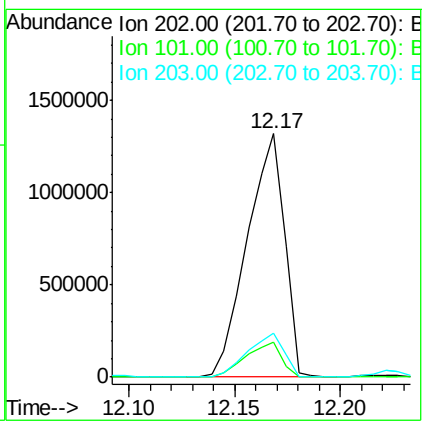


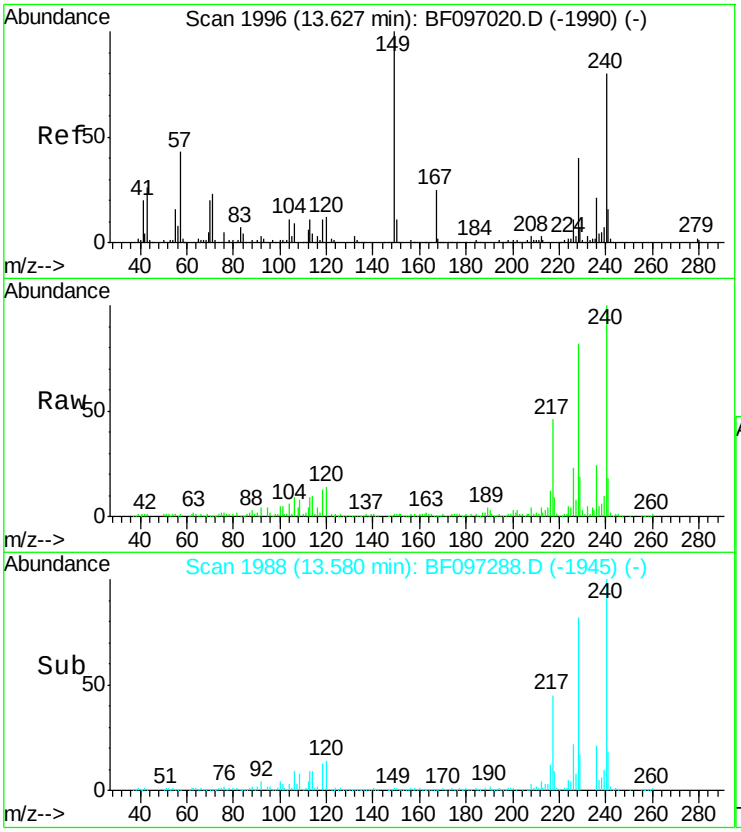


#74
Fluoranthene
Concen: 95.24 ng
RT: 12.17 min Scan# 1748
Delta R.T. -0.04 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:202 Resp: 1616630

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.8	0.0	38.1



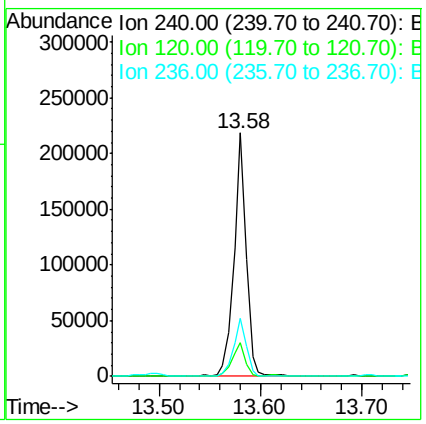


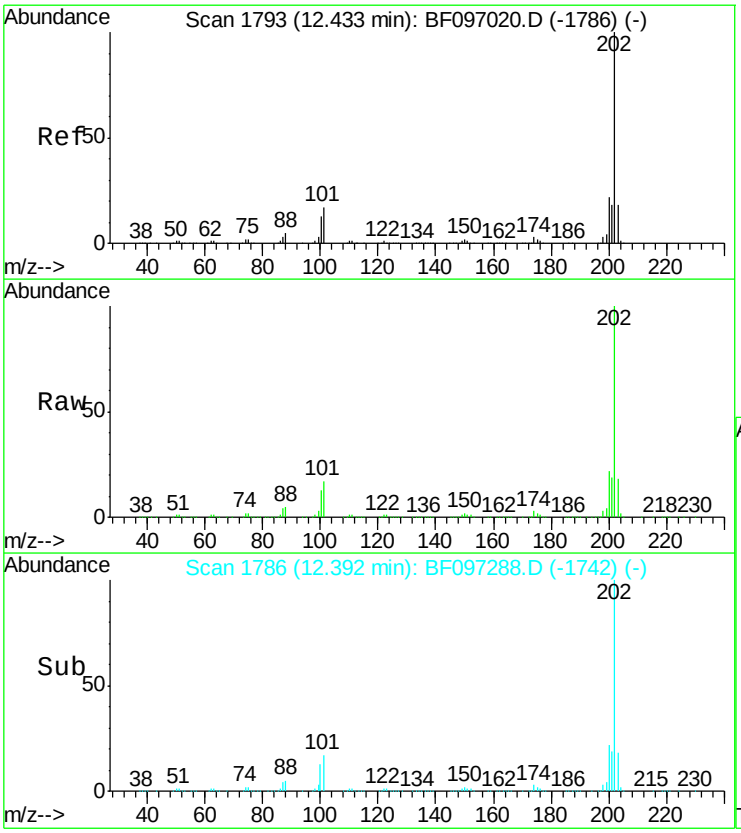
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.58 min Scan# 1988
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 184221

Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	23.8	20.5	30.7

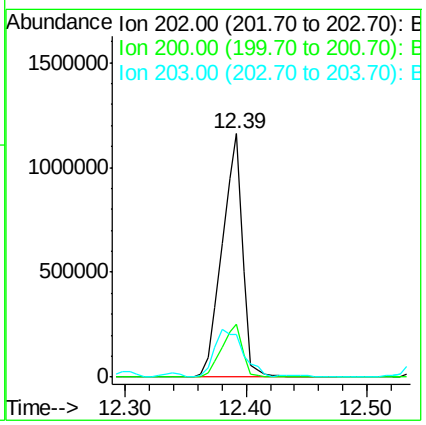


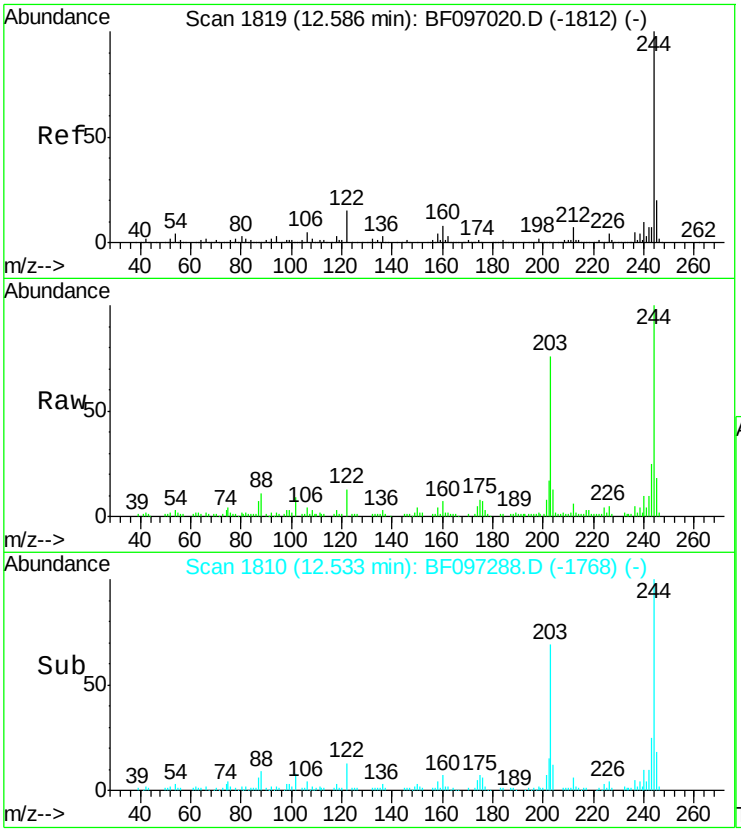


#77
Pyrene
Concen: 88.82 ng
RT: 12.39 min Scan# 1786
Delta R.T. -0.04 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:202 Resp: 1339564

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



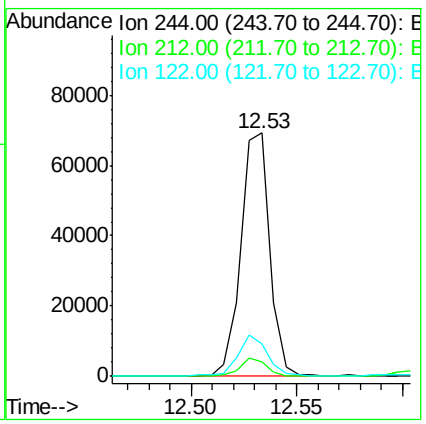


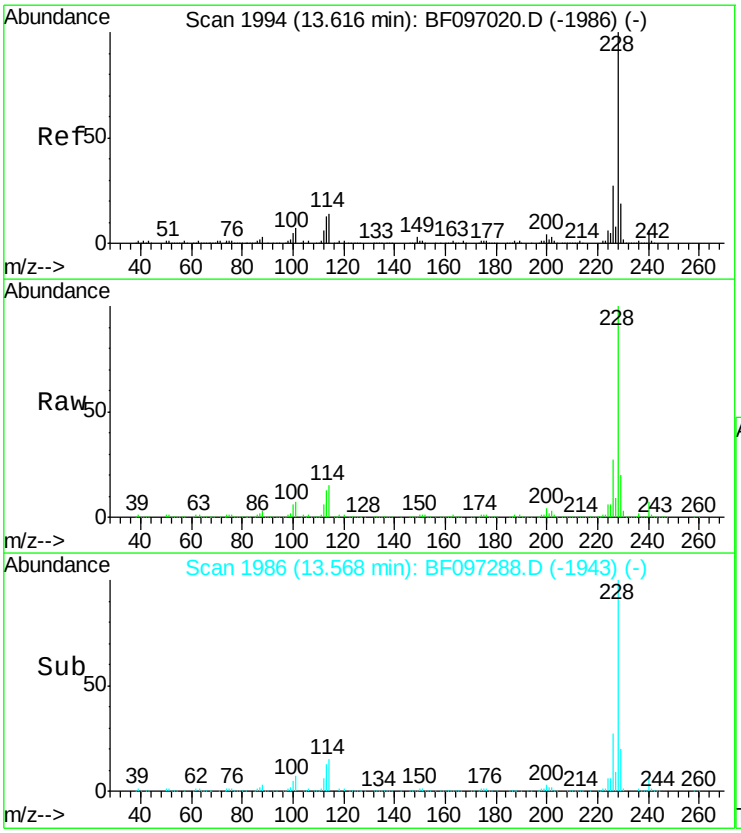
#78
Terphenyl-d14
Concen: 7.25 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 65504

Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.0	9.0
122	13.1	10.3	15.5

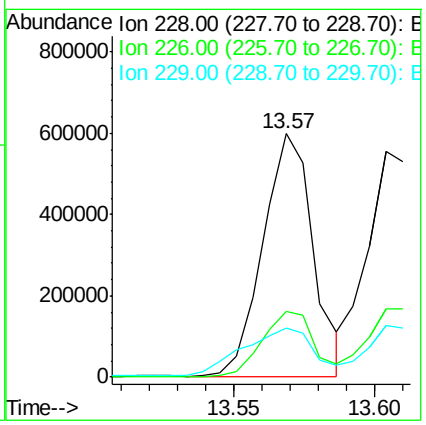


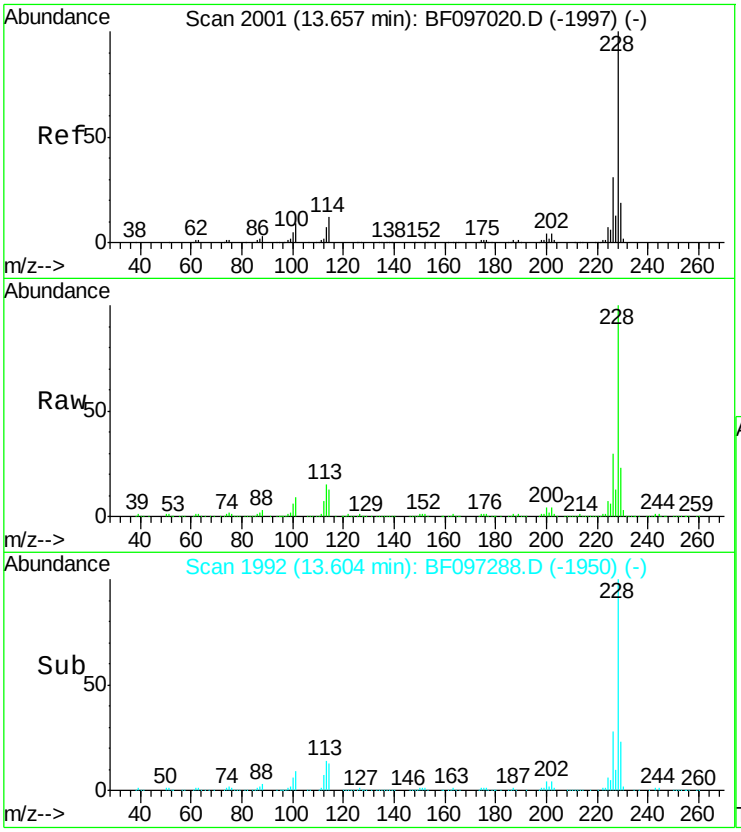


#80
Benzo(a)anthracene
Concen: 61.69 ng
RT: 13.57 min Scan# 1986
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:228 Resp: 735304

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.2	16.3	24.5



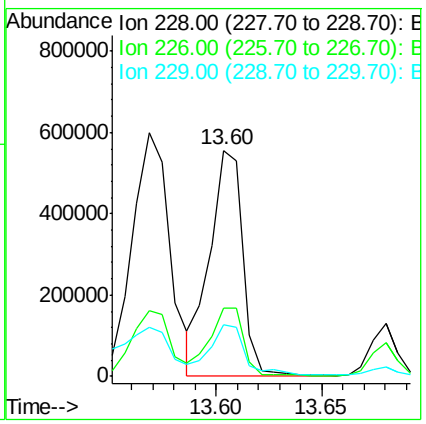


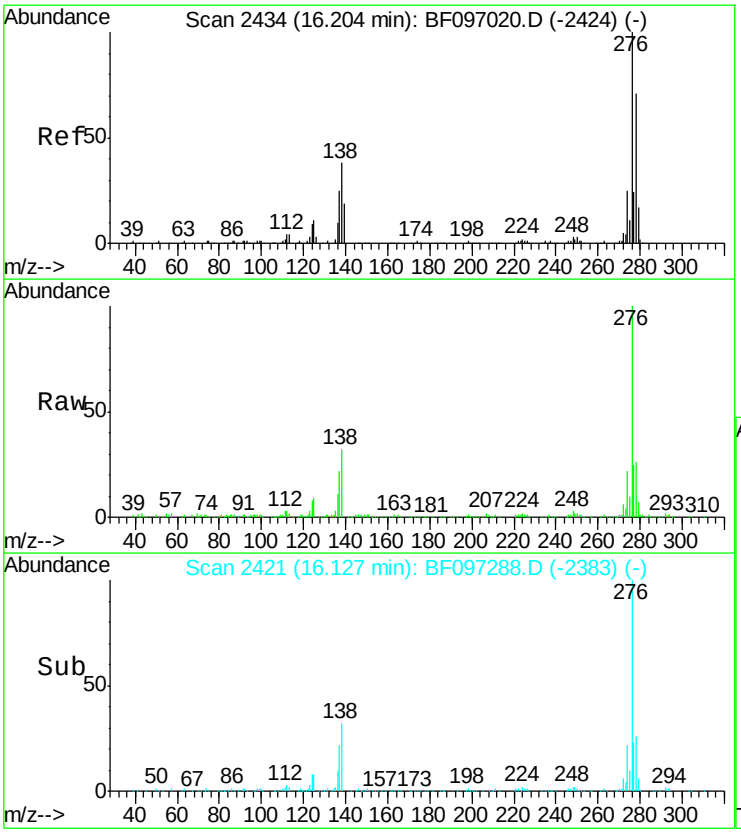
#82
Chrysene
Concen: 51.47 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 599073

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.9	15.8	23.6

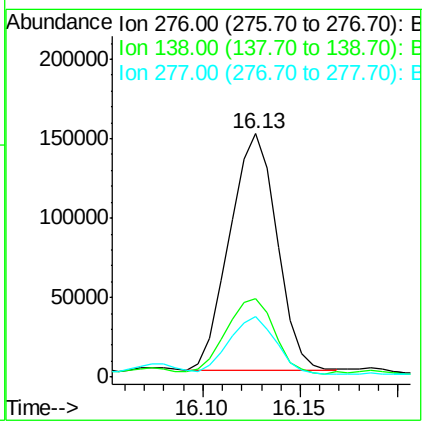


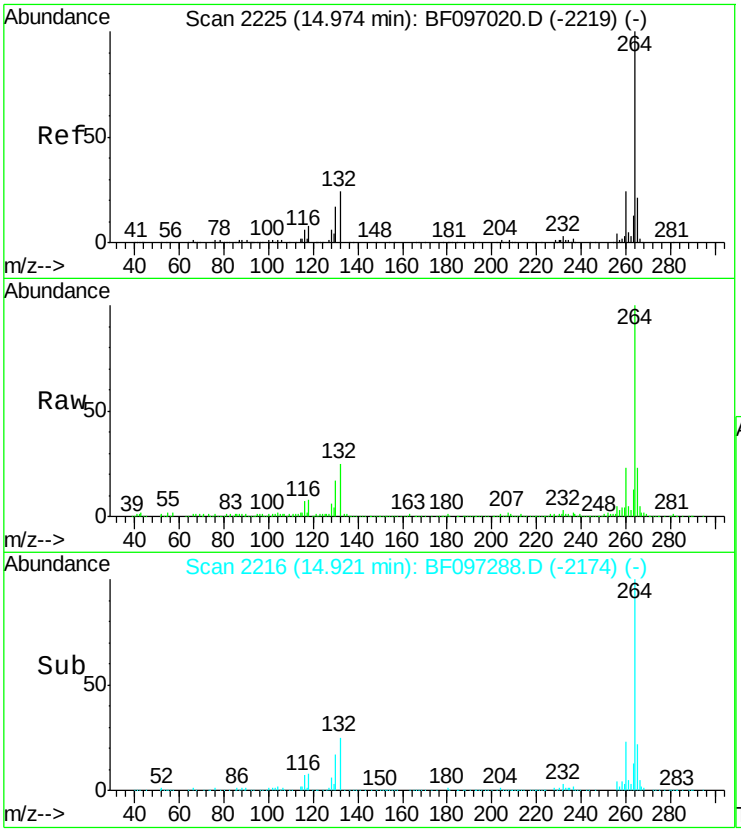


#85
Indeno(1,2,3-cd)pyrene
Concen: 24.98 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.08 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:276 Resp: 249283

Ion	Ratio	Lower	Upper
276	100		
138	33.4	27.8	41.6
277	24.4	20.2	30.4



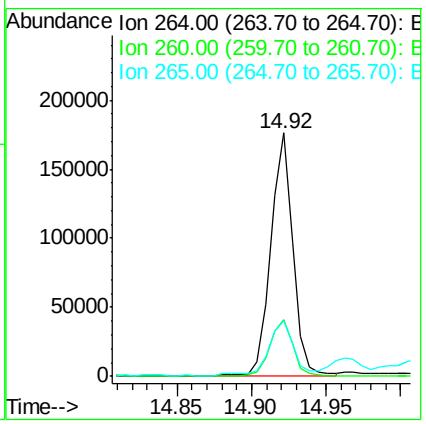


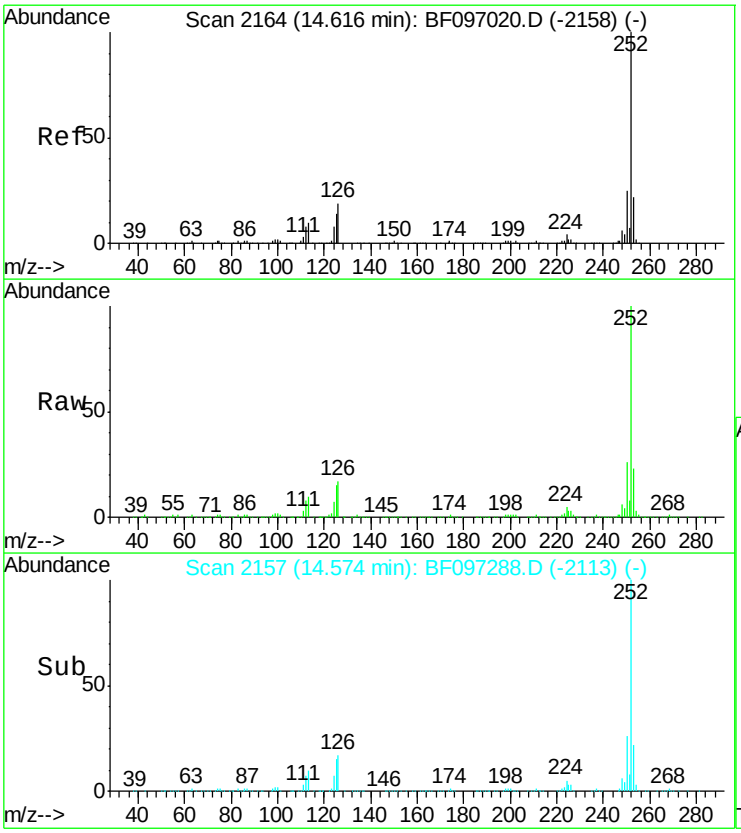
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 182063

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.8	17.2	25.8

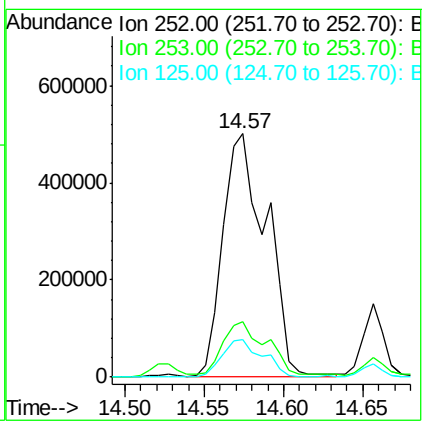


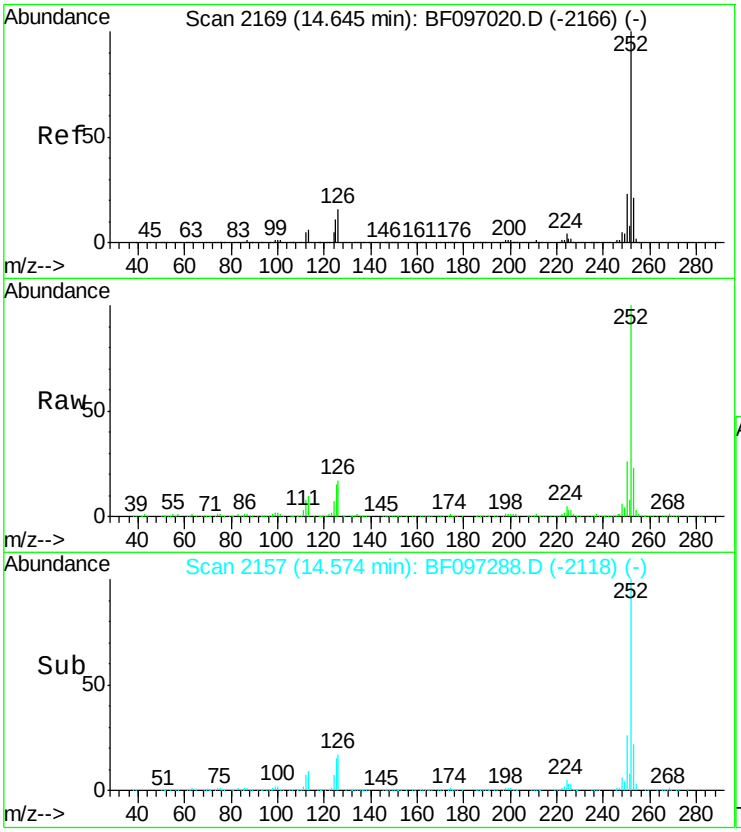


#87
Benzo(b)fluoranthene
Concen: 86.56 ng
RT: 14.57 min Scan# 2157
Delta R.T. -0.04 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:252 Resp: 947386

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.4	9.8	14.8#



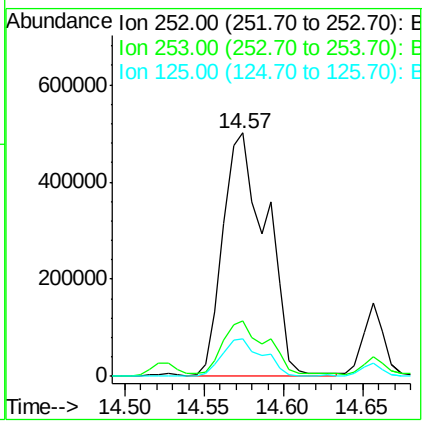


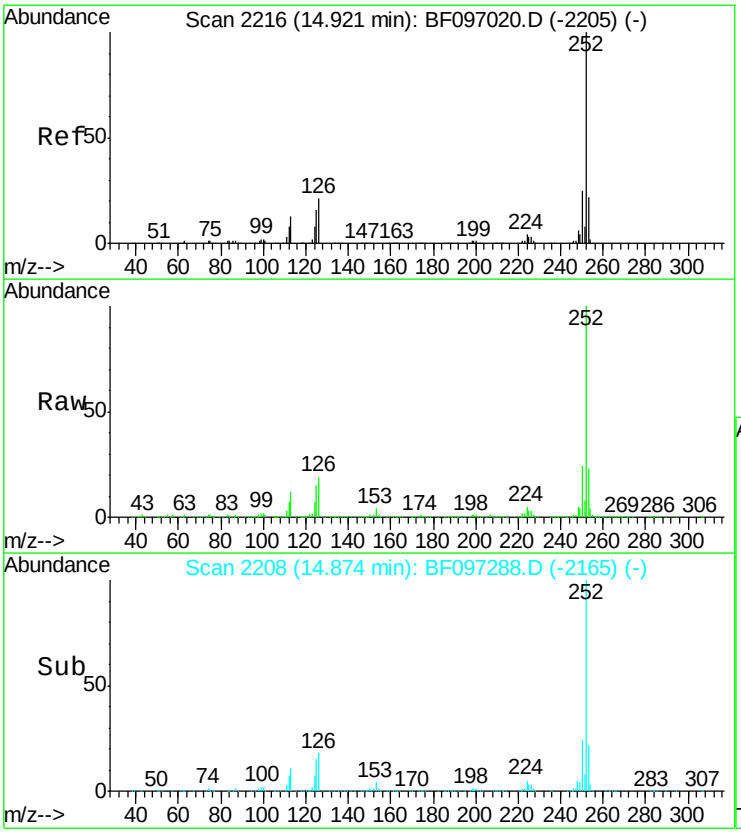
#88
Benzo(k)fluoranthene
Concen: 90.84 ng
RT: 14.57 min Scan# 2157
Delta R.T. -0.07 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 947386

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	15.4	13.1	19.7

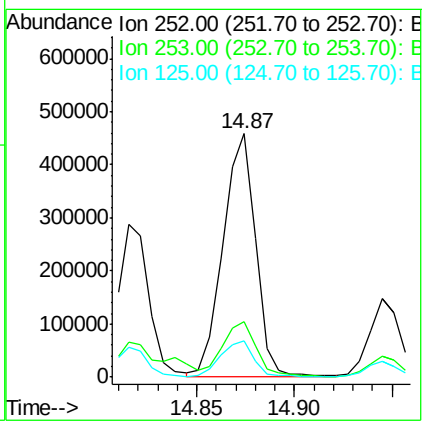


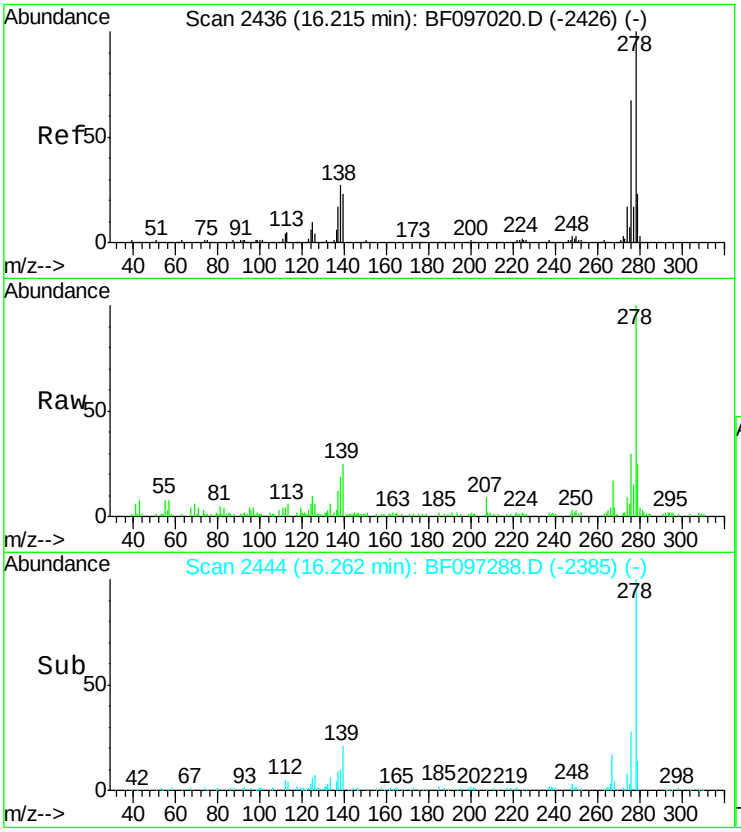


#89
Benzo(a)pyrene
Concen: 52.64 ng
RT: 14.87 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:252 Resp: 527244

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.9	11.0	16.4



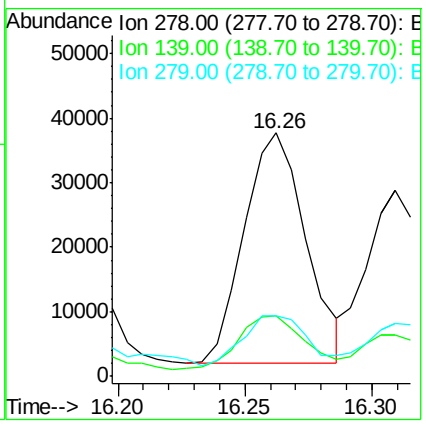


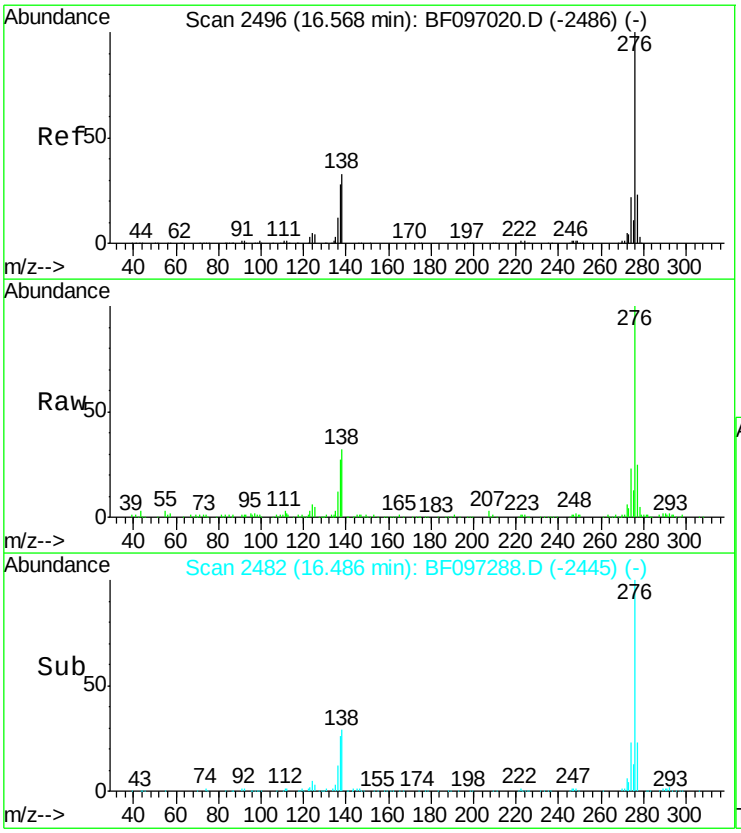
#90
Dibenzo(a,h)anthracene
Concen: 7.38 ng
RT: 16.26 min Scan# 2444
Delta R.T. 0.05 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 60617

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





#91
Benzo(g,h,i)perylene
Concen: 26.71 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097288.D
Acq: 2 Aug 2017 22:07

Tgt Ion:276 Resp: 230071

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	32.1	25.4	38.0