Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097301.D
Acq On : 3 Aug 2017 5:58
Operator : SJ/JU
Sample : I4471-22DL 20X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 03 06:31:36 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	88609	20.00	ng		-0.05
21) Naphthalene-d8	7.73	136	388594	20.00	ng		-0.05
38) Acenaphthene-d10	9.47	164	191816	20.00	ng		-0.06
63) Phenanthrene-d10	10.95	188	292252	20.00	ng		-0.05
75) Chrysene-d12	13.57	240	176562	20.00	ng		-0.05
86) Perylene-d12	14.92	264	164456	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.06	112	36427	6.20	ng		-0.04
7) Phenol-d6	6.13	99	48216	7.19	ng		-0.04
23) Nitrobenzene-d5	7.02	82	32385	4.89	ng		-0.05
41) 2,4,6-Tribromophenol	10.27	330	9156	6.04	ng		-0.05
44) 2-Fluorobiphenyl	8.81	172	53356	4.72	ng		-0.06
78) Terphenyl-d14	12.53	244	34462	3.98	ng		-0.06
Target Compounds							Qvalue
25) Isophorone	7.02	82	32385	2.50	ng	#	67
50) 2,6-Dinitrotoluene	9.47	165	25803	8.35	ng	#	35
51) Acenaphthene	9.51	154	86046	7.89	ng		97
54) Dibenzofuran	9.68	168	64625	4.45	ng		99
57) Fluorene	10.02	166	105969	9.71	ng		98
70) Phenanthrene	10.98	178	1016628	64.92	ng		100
71) Anthracene	11.03	178	307113	19.15	ng		98
72) Carbazole	11.19	167	60302	3.82	ng		99
74) Fluoranthene	12.16	202	877030	57.17	ng		99
77) Pyrene	12.39	202	869935	60.18	ng		99
80) Benzo(a)anthracene	13.56	228	315609	27.63	ng		99
82) Chrysene	13.60	228	269524	24.16	ng		98
85) Indeno(1,2,3-cd)pyrene	16.12	276	103261	10.80	ng		99
87) Benzo(b)fluoranthene	14.56	252	354324	35.84	ng	#	97
88) Benzo(k)fluoranthene	14.56	252	354324	37.61	ng		98
89) Benzo(a)pyrene	14.86	252	231955	25.64	ng	#	96
91) Benzo(g,h,i)perylene	16.47	276	116230	14.94	ng		98

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

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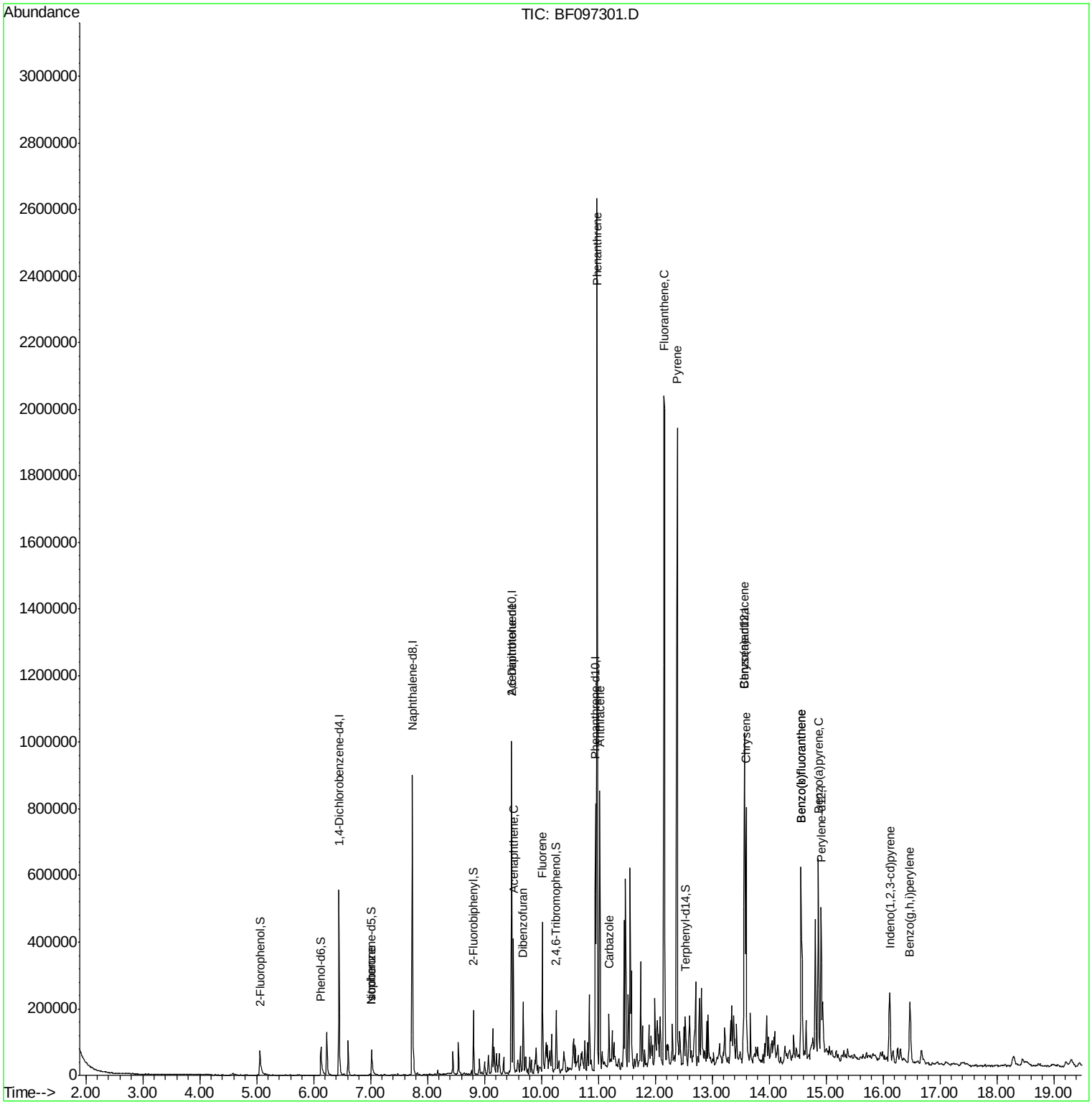
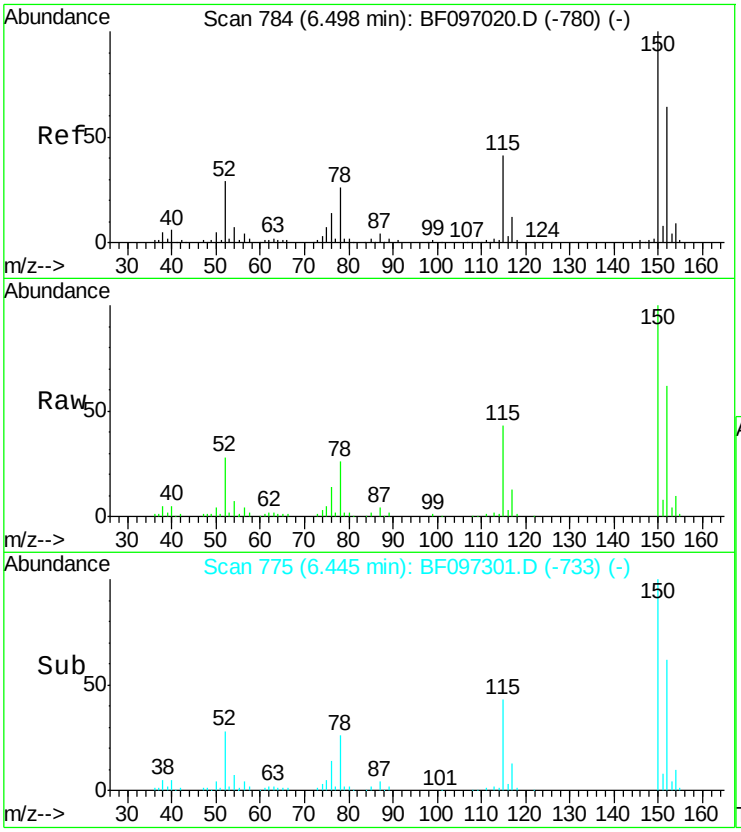


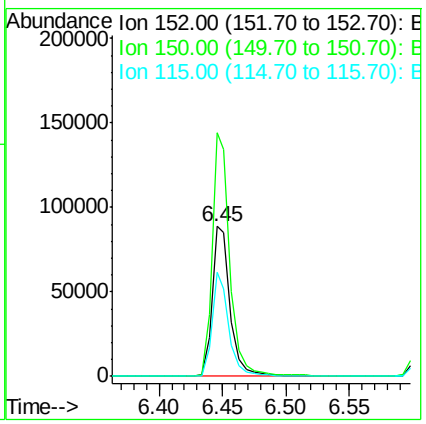


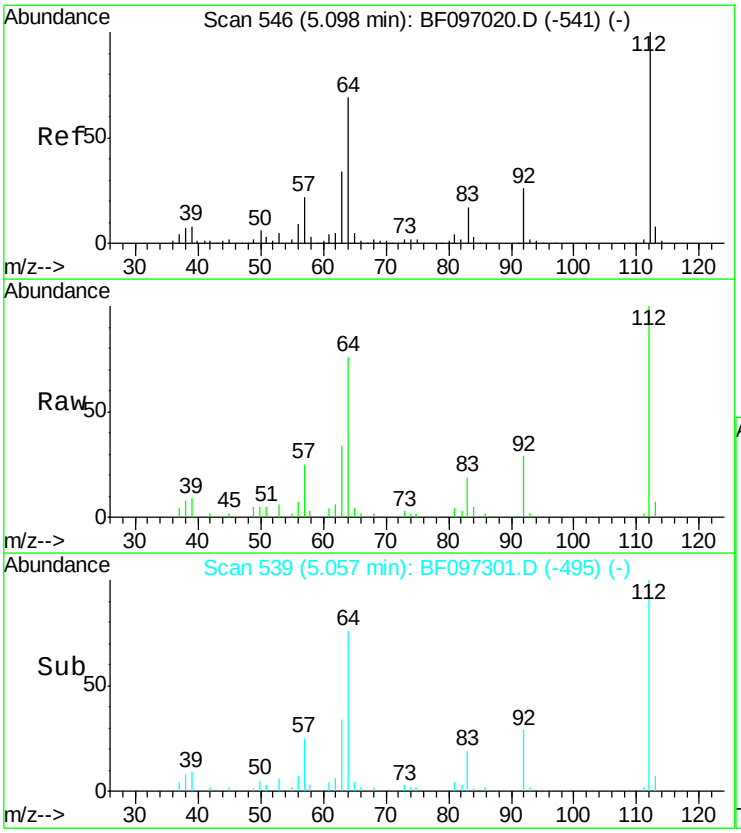
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 88609

Ion	Ratio	Lower	Upper
152	100		
150	162.3	126.2	189.2
115	69.3	52.2	78.2

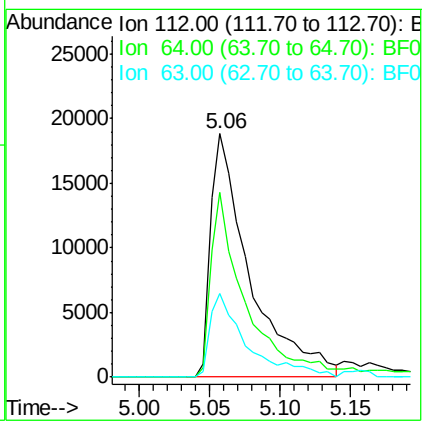


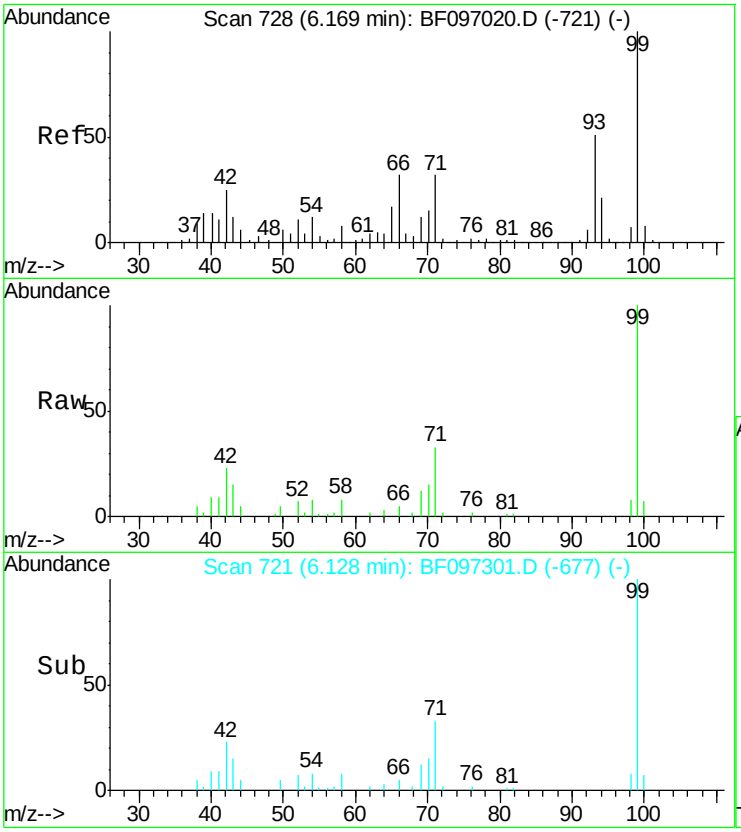


#5
2-Fluorophenol
Concen: 6.20 ng
RT: 5.06 min Scan# 539
Delta R.T. -0.04 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:112 Resp: 36427

Ion	Ratio	Lower	Upper
112	100		
64	75.9	46.0	69.0#
63	34.3	23.4	35.0



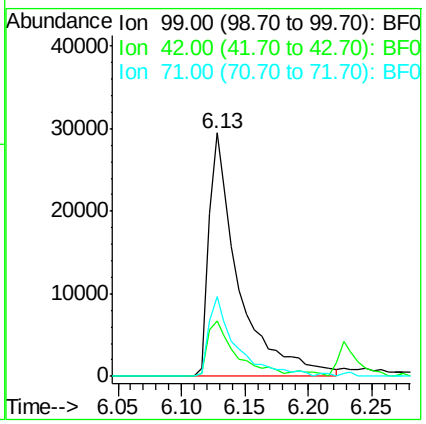


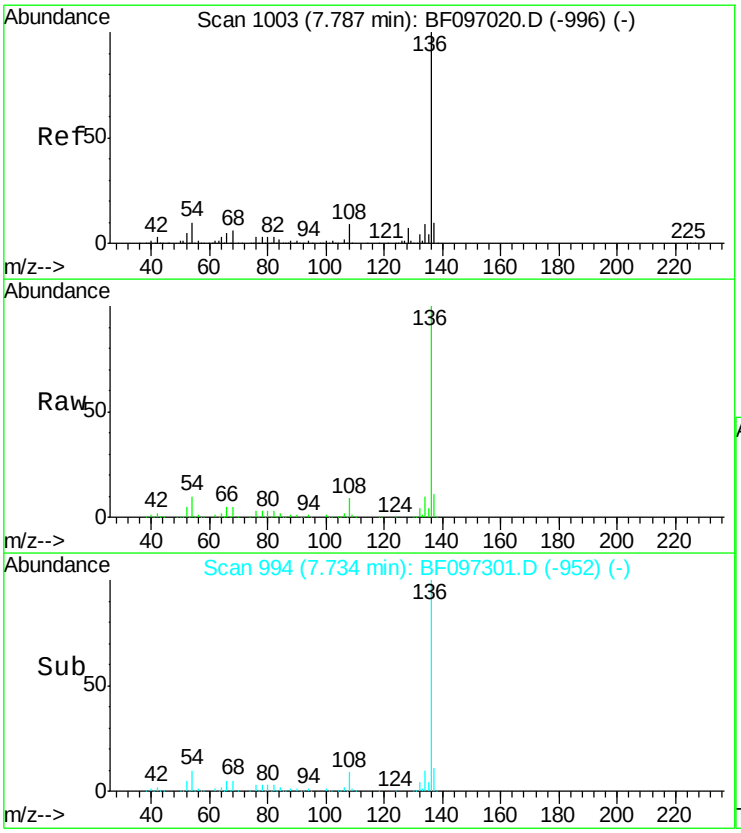
#7
Phenol-d6
Concen: 7.19 ng
RT: 6.13 min Scan# 721
Delta R.T. -0.04 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 48216

Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	32.6	24.5	36.7

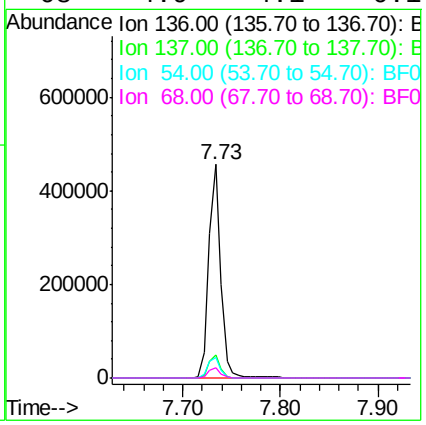


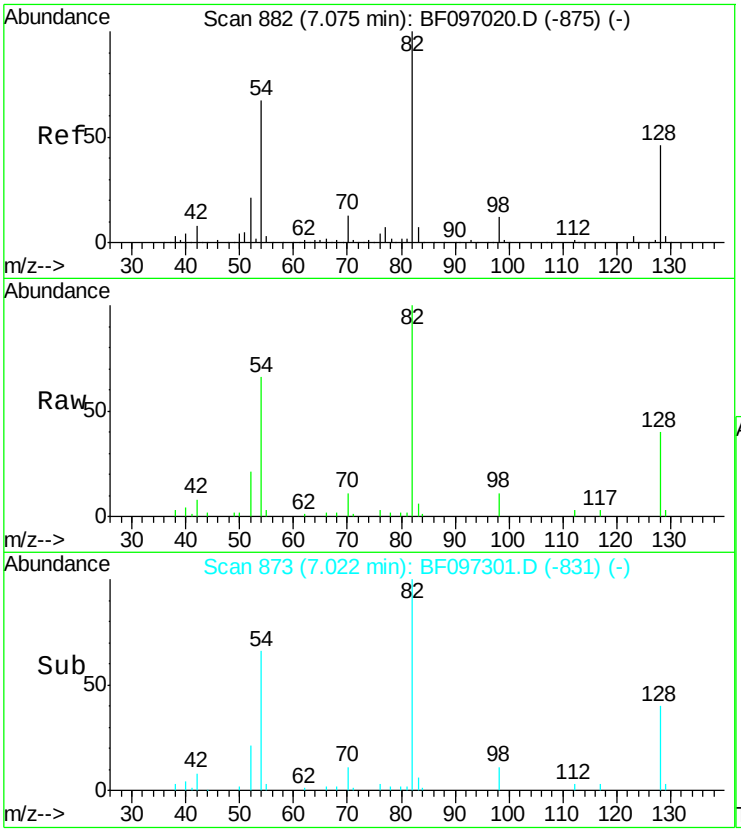


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:136 Resp: 388594

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.9	4.9	7.3#
68	4.9	4.1	6.1



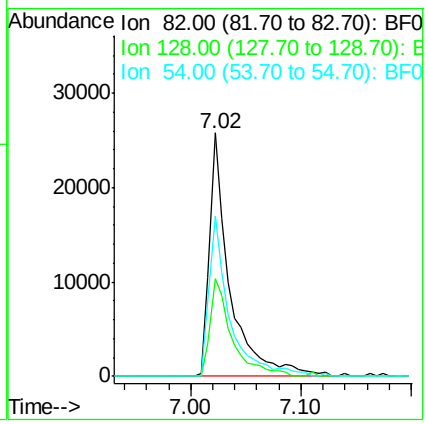


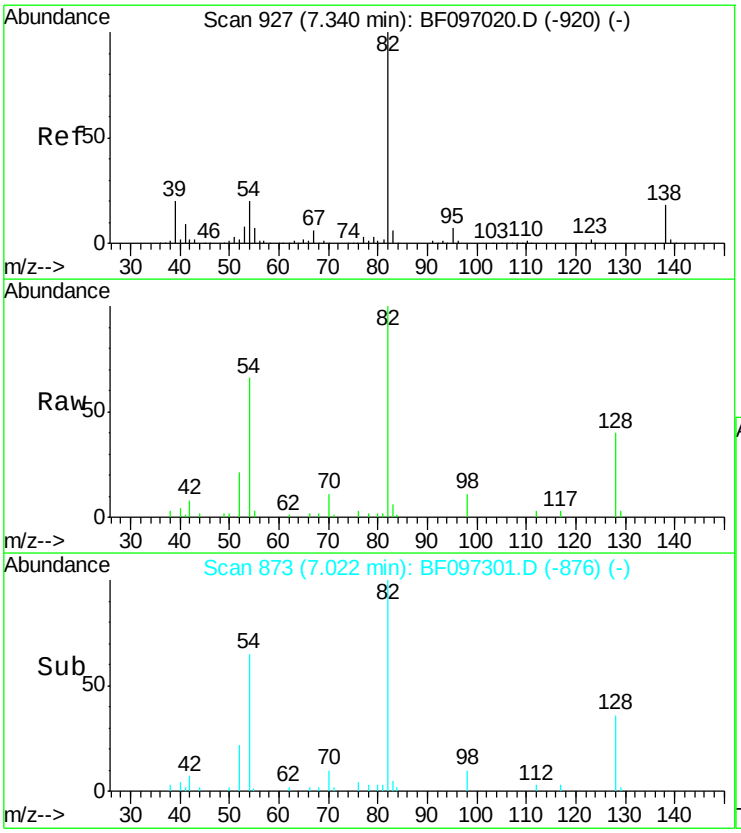
#23
Nitrobenzene-d5
Concen: 4.89 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 32385

Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.0	51.0
54	65.9	42.2	63.2#

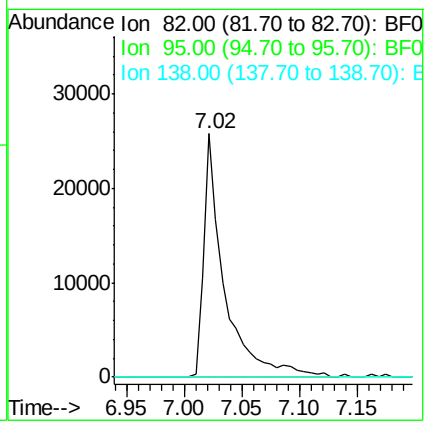


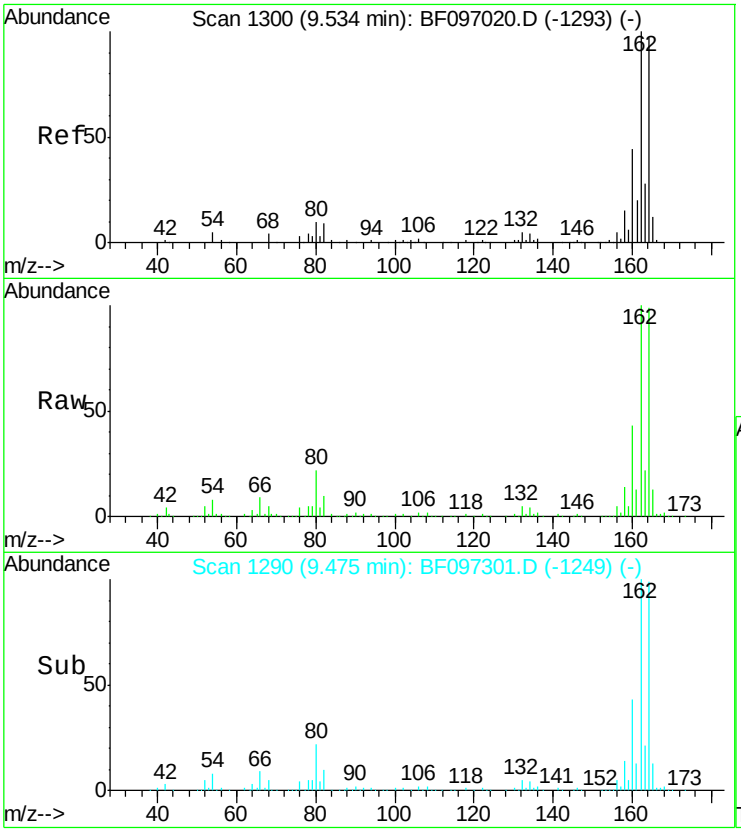


#25
Isophorone
Concen: 2.50 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.32 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion: 82 Resp: 32385

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



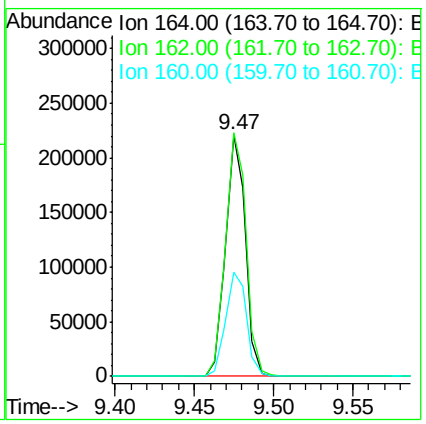


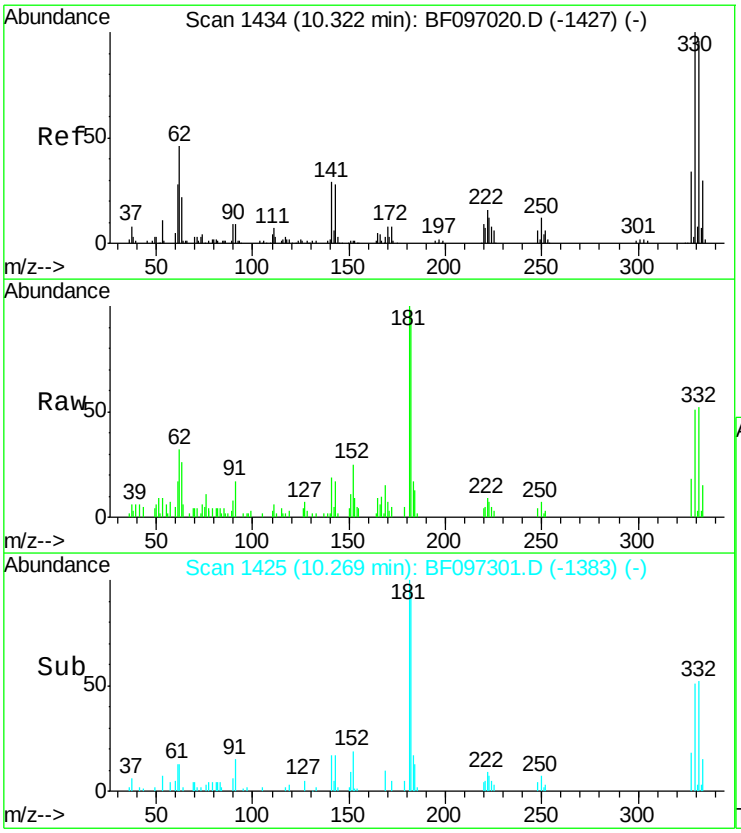
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 191816

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.1	36.2	54.2

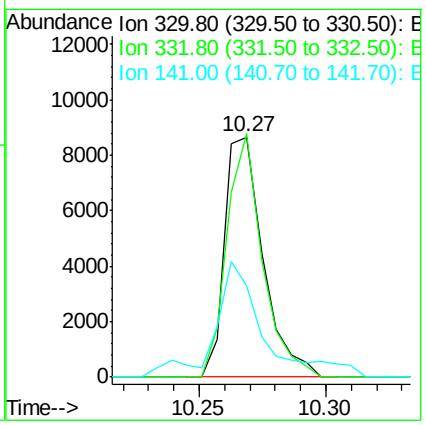


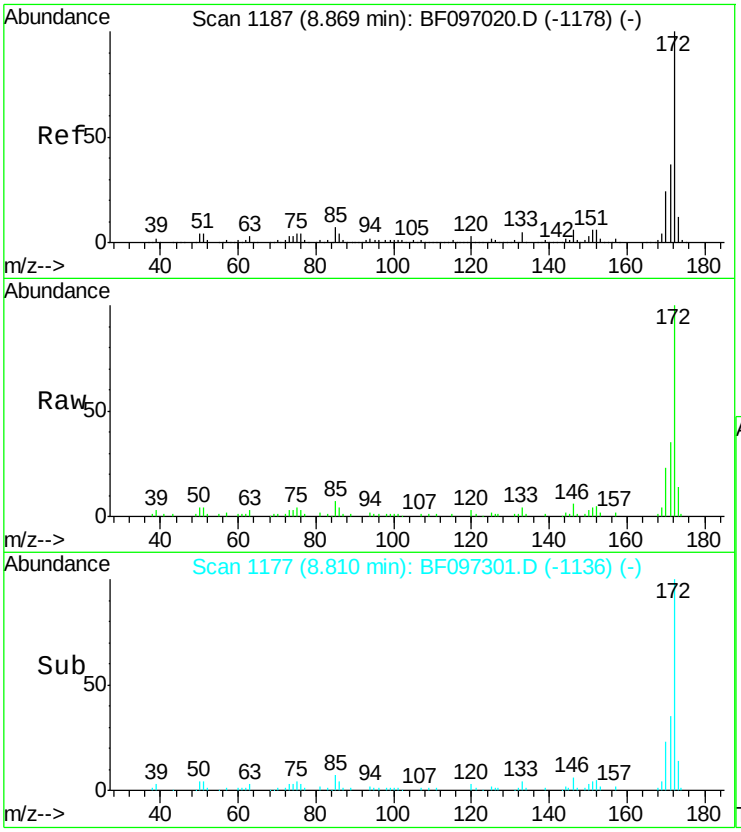


#41
2,4,6-Tribromophenol
Concen: 6.04 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:330 Resp: 9156

Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.6	115.0
141	61.2	31.4	47.2#



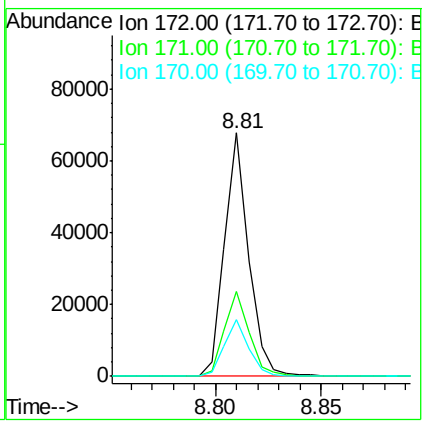


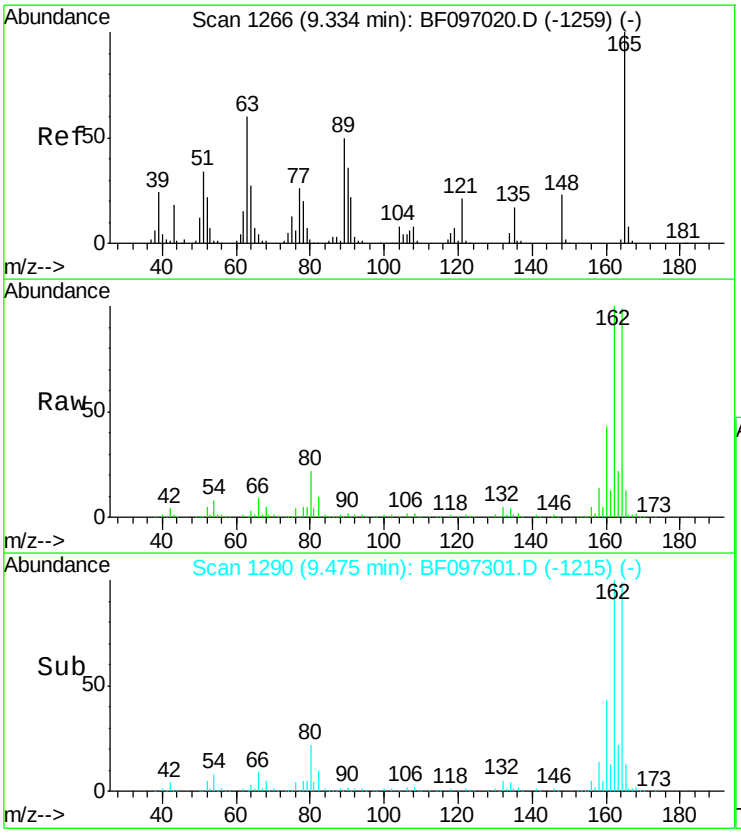
#44
2-Fluorobiphenyl
Concen: 4.72 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 53356

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.2	19.8	29.8

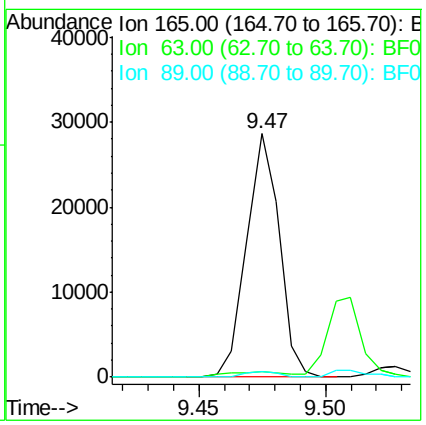


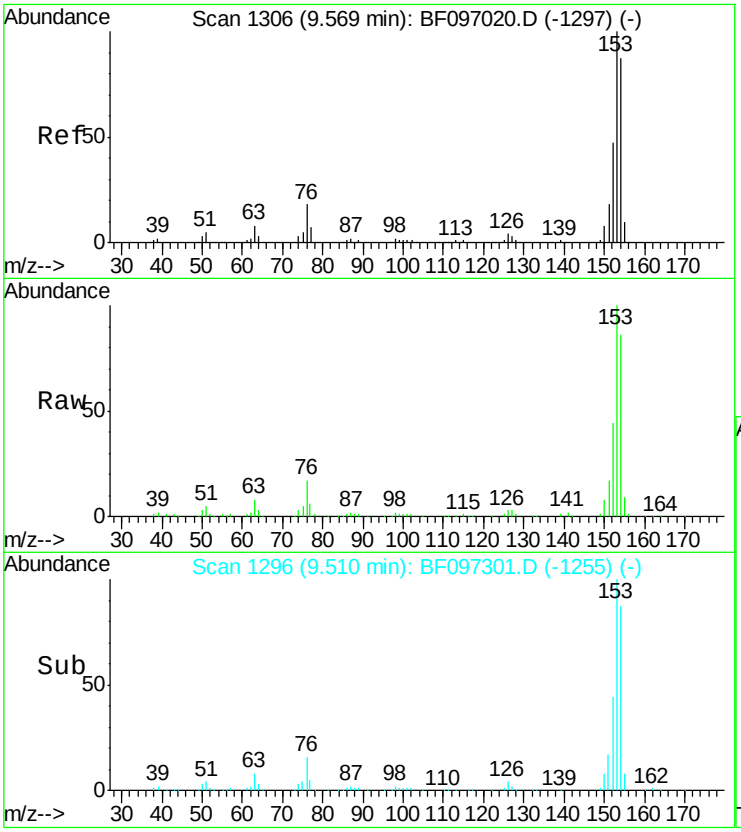


#50
2,6-Dinitrotoluene
Concen: 8.35 ng
RT: 9.47 min Scan# 1290
Delta R.T. 0.14 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:165 Resp: 25803

Ion	Ratio	Lower	Upper
165	100		
63	2.1	34.3	51.5#
89	2.1	37.1	55.7#



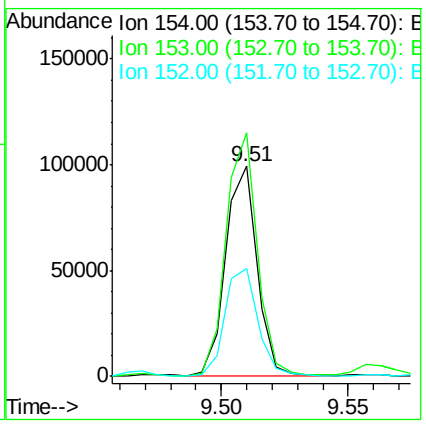


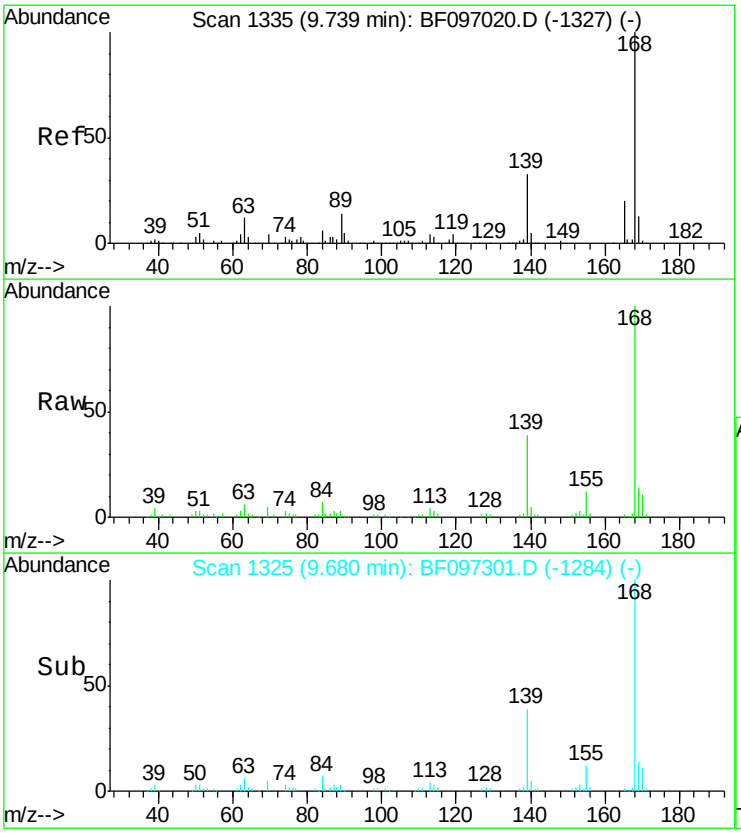
#51
Acenaphthene
Concen: 7.89 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 86046

Ion	Ratio	Lower	Upper
154	100		
153	116.0	90.5	135.7
152	51.4	43.6	65.4

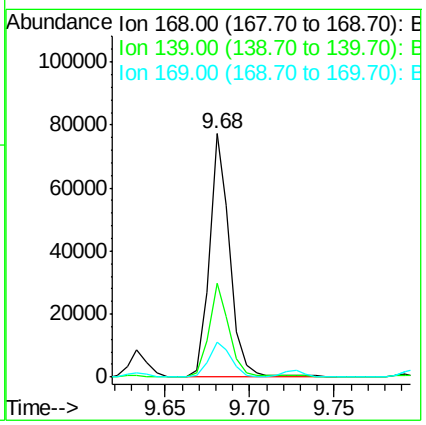


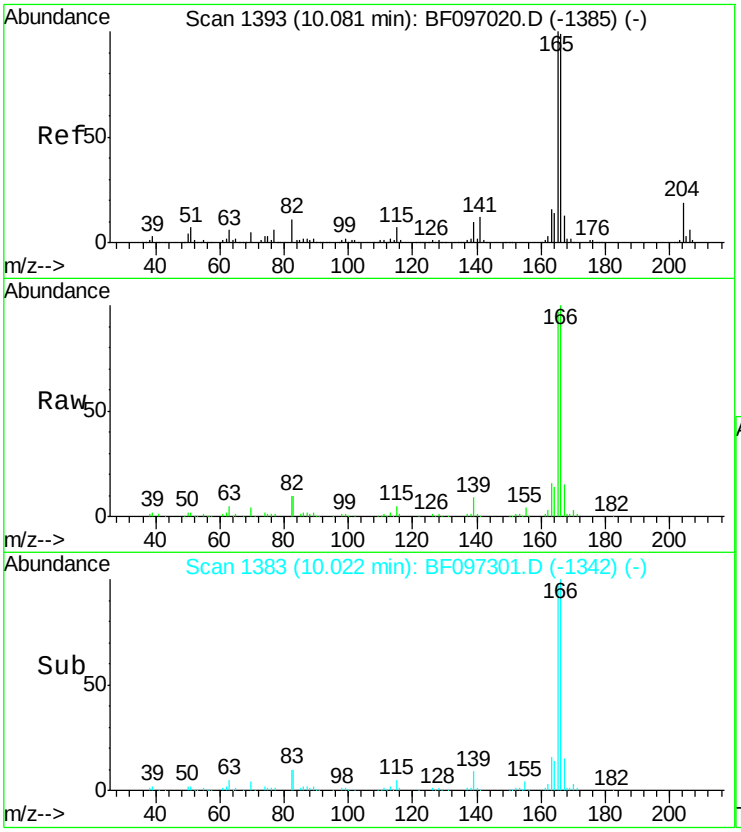


#54
Dibenzofuran
Concen: 4.45 ng
RT: 9.68 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:168 Resp: 64625

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	45.8
169	14.4	10.8	16.2



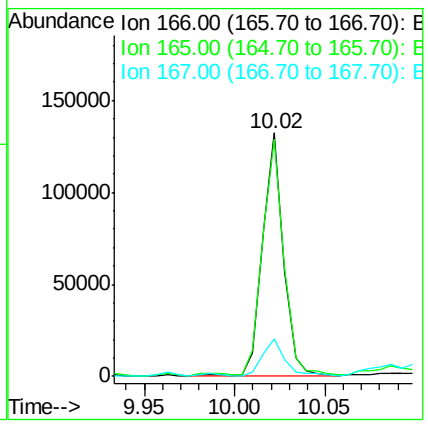


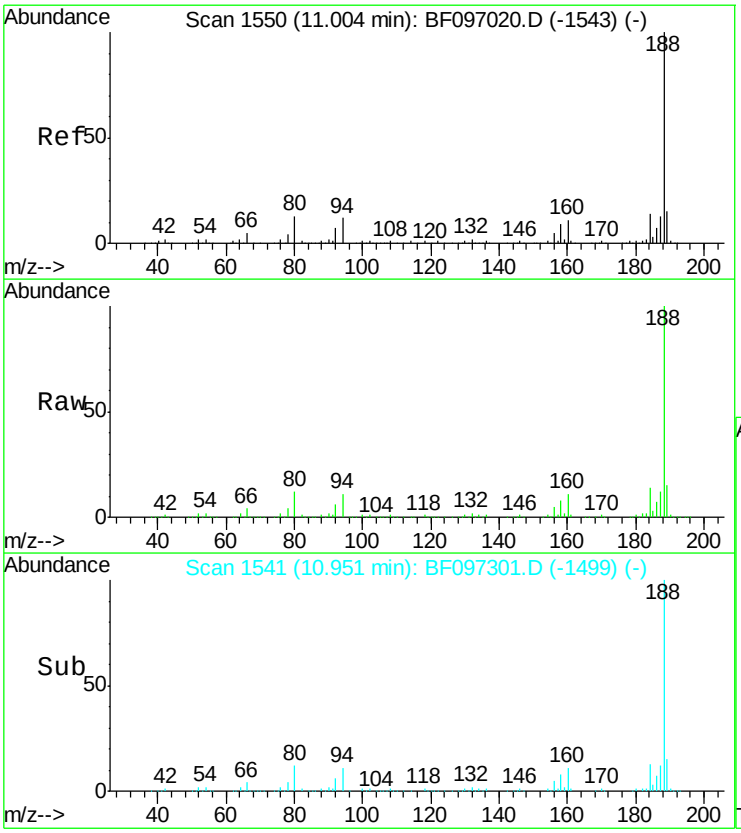
#57
Fluorene
Concen: 9.71 ng
RT: 10.02 min Scan# 1383
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 105969

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.8	118.2
167	15.4	10.6	16.0

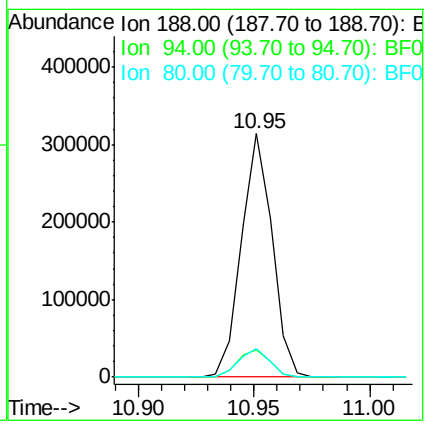


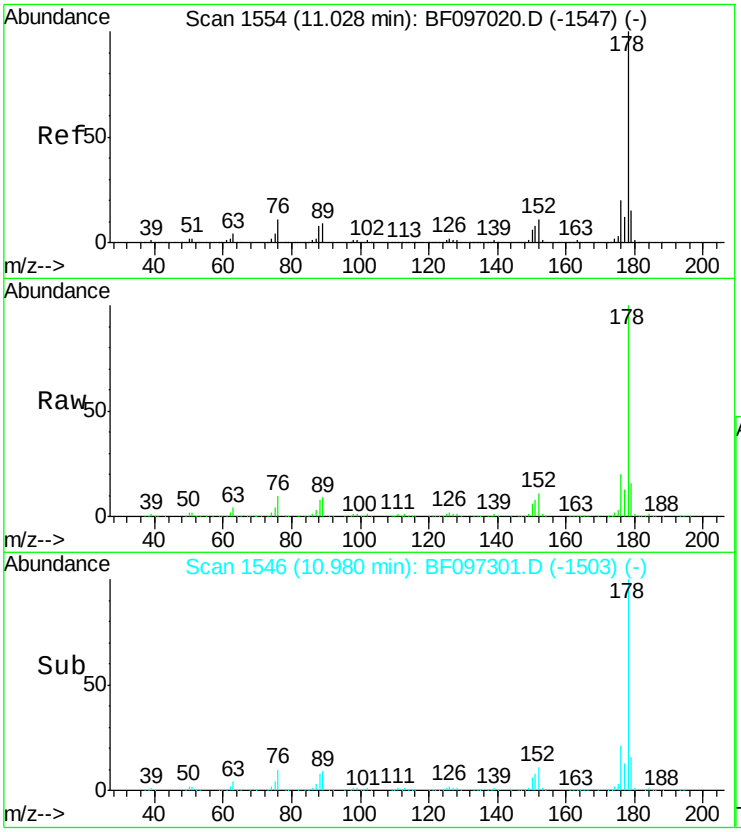


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:188 Resp: 292252

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.0	10.2	15.2



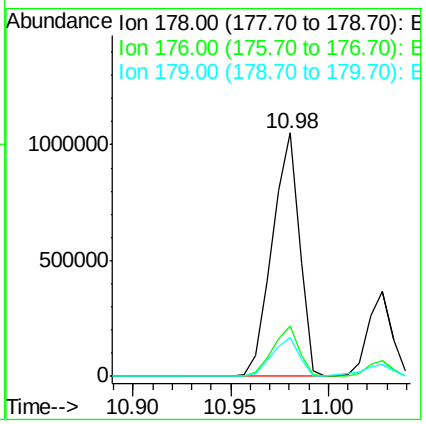


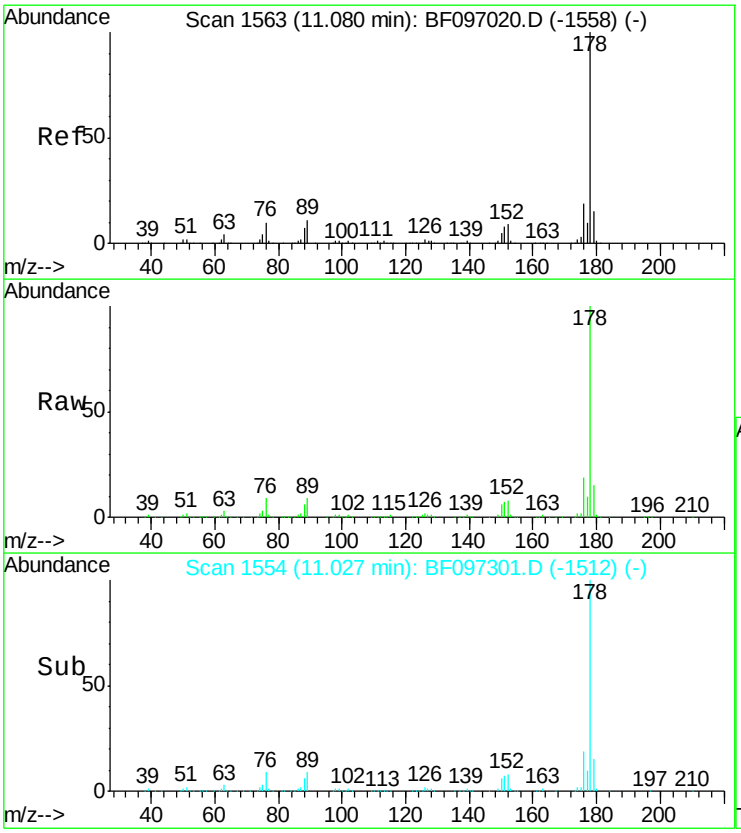
#70
Phenanthrene
Concen: 64.92 ng
RT: 10.98 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1016628

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	16.0	12.6	19.0

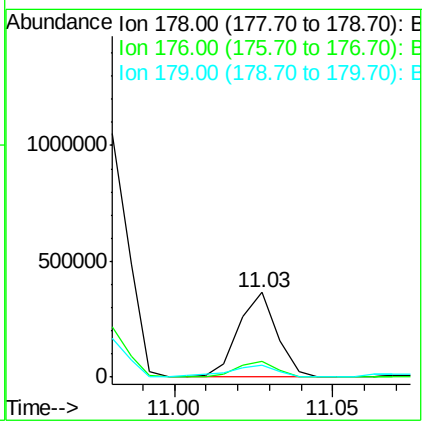


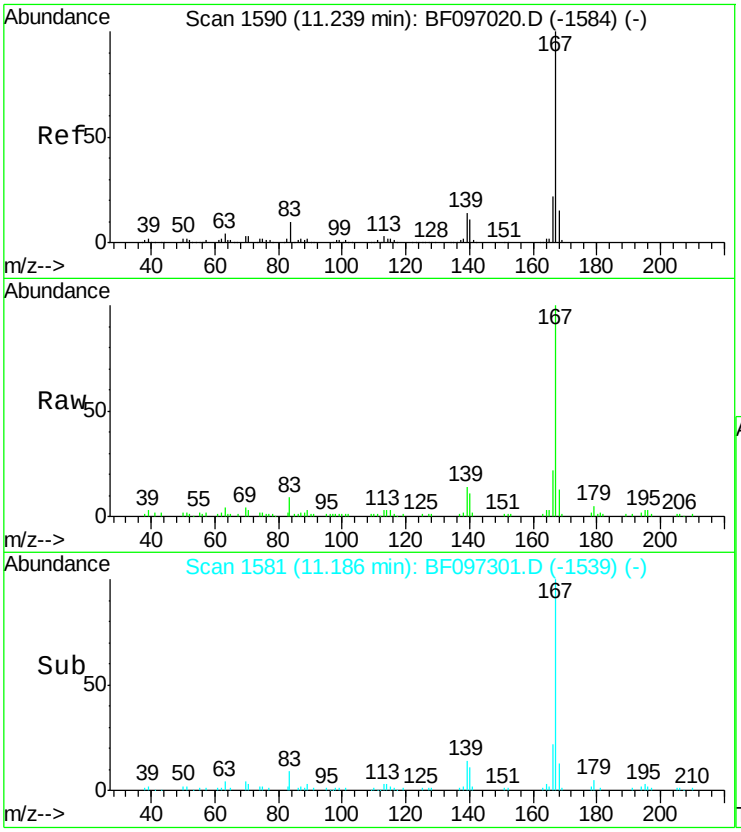


#71
Anthracene
Concen: 19.15 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:178 Resp: 307113

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.8	12.7	19.1



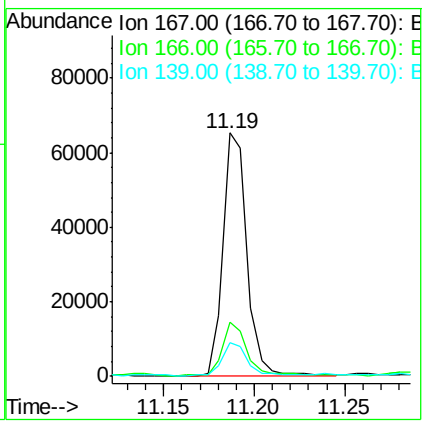


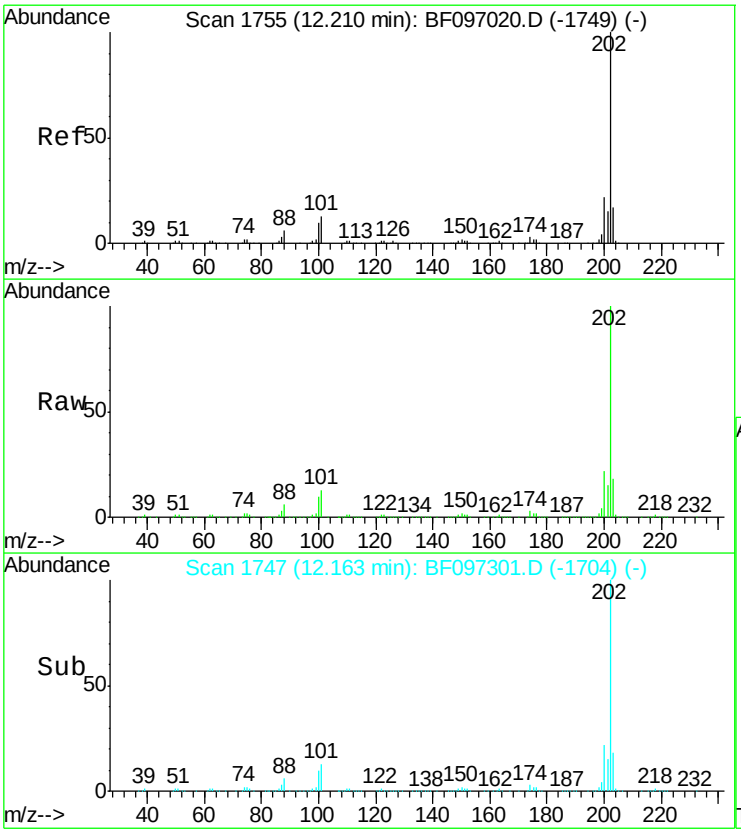
#72
Carbazole
Concen: 3.82 ng
RT: 11.19 min Scan# 1581
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 60302

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.9	11.7	17.5

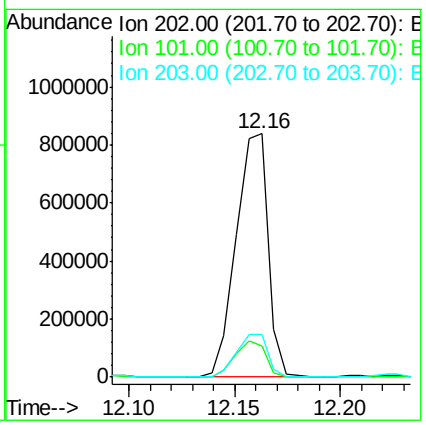


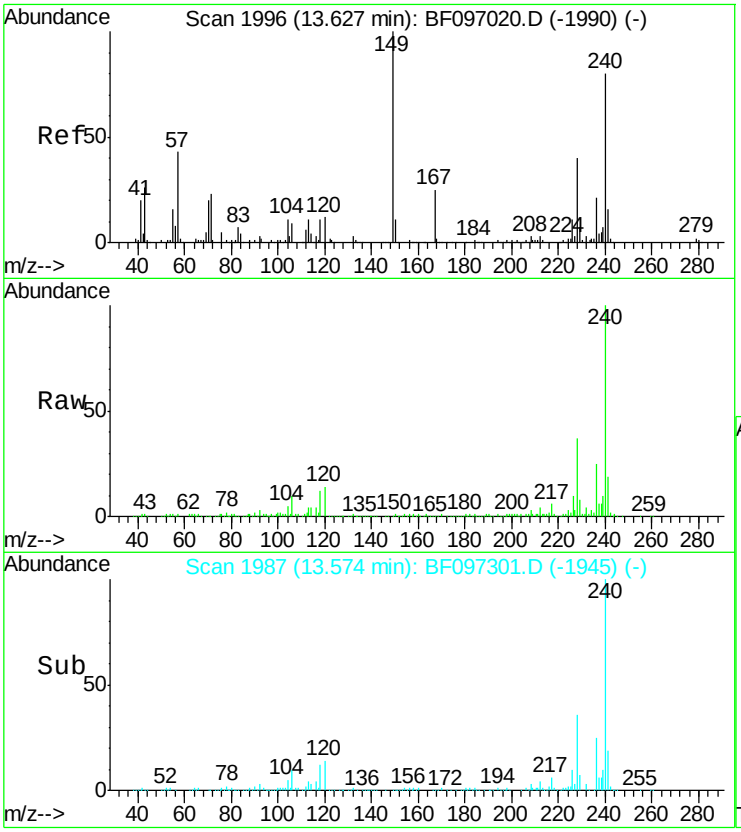


#74
Fluoranthene
Concen: 57.17 ng
RT: 12.16 min Scan# 1747
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:202 Resp: 877030

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.7	0.0	38.1



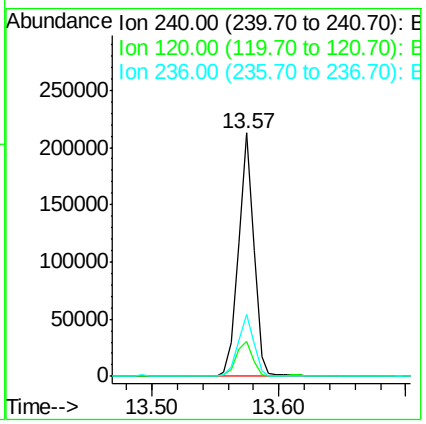


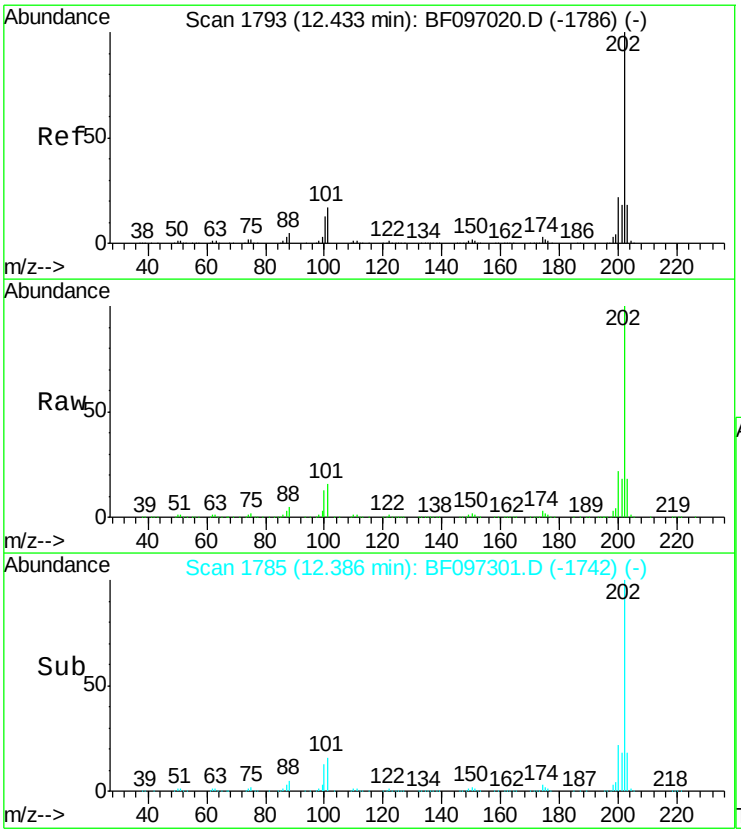
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.57 min Scan# 1987
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 176562

Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.2	20.5	30.7

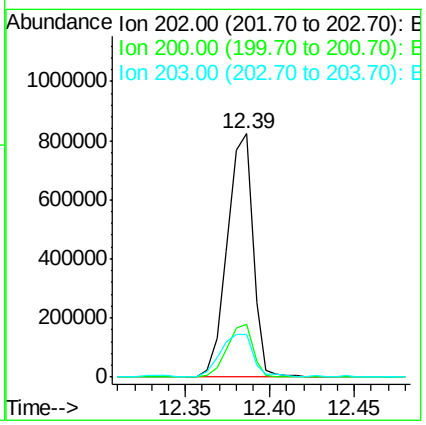


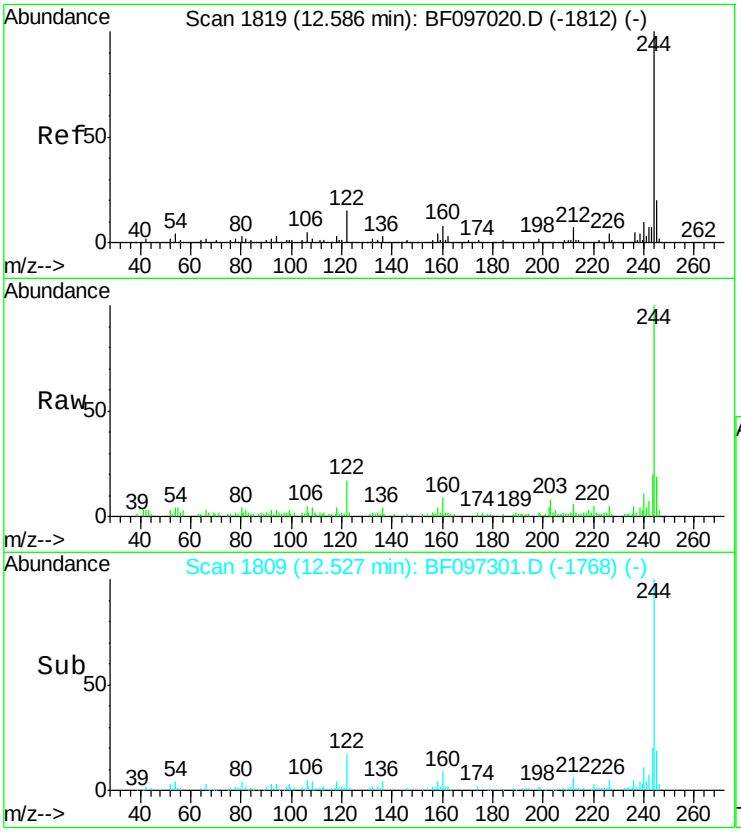


#77
Pyrene
Concen: 60.18 ng
RT: 12.39 min Scan# 1785
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:202 Resp: 869935

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.7	14.4	21.6



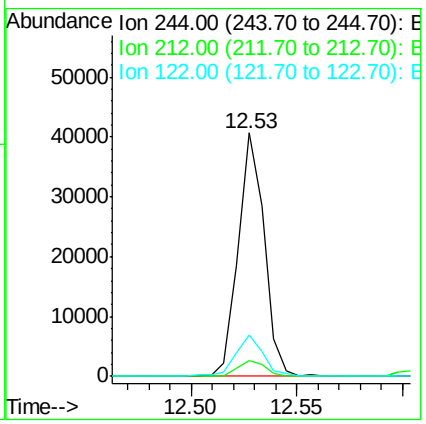


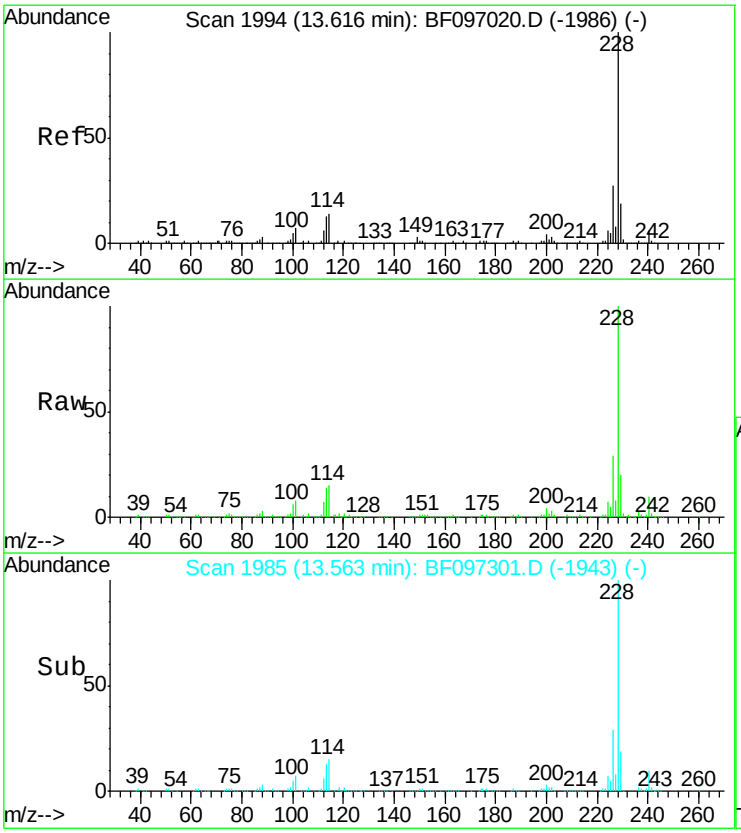
#78
Terphenyl-d14
Concen: 3.98 ng
RT: 12.53 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 34462

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	16.9	10.3	15.5#

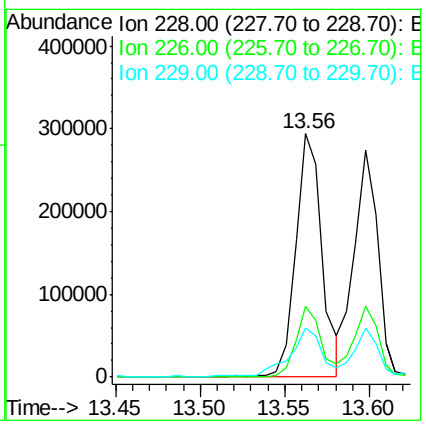


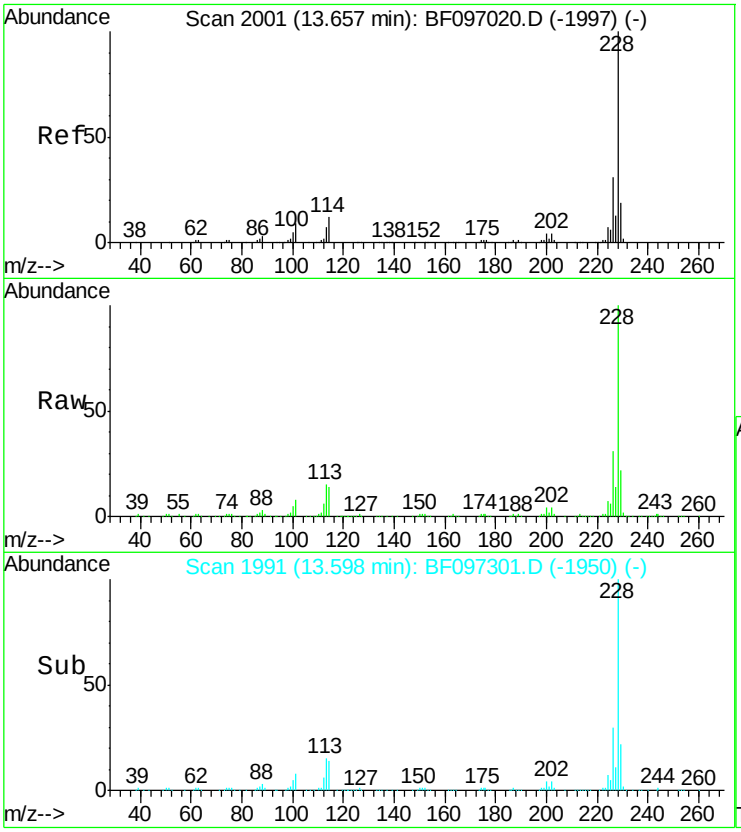


#80
Benzo(a)anthracene
Concen: 27.63 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:228 Resp: 315609

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.9	16.3	24.5



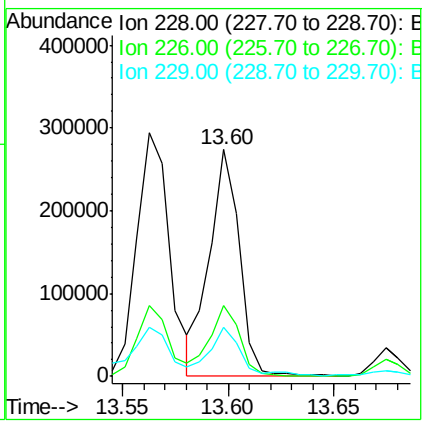


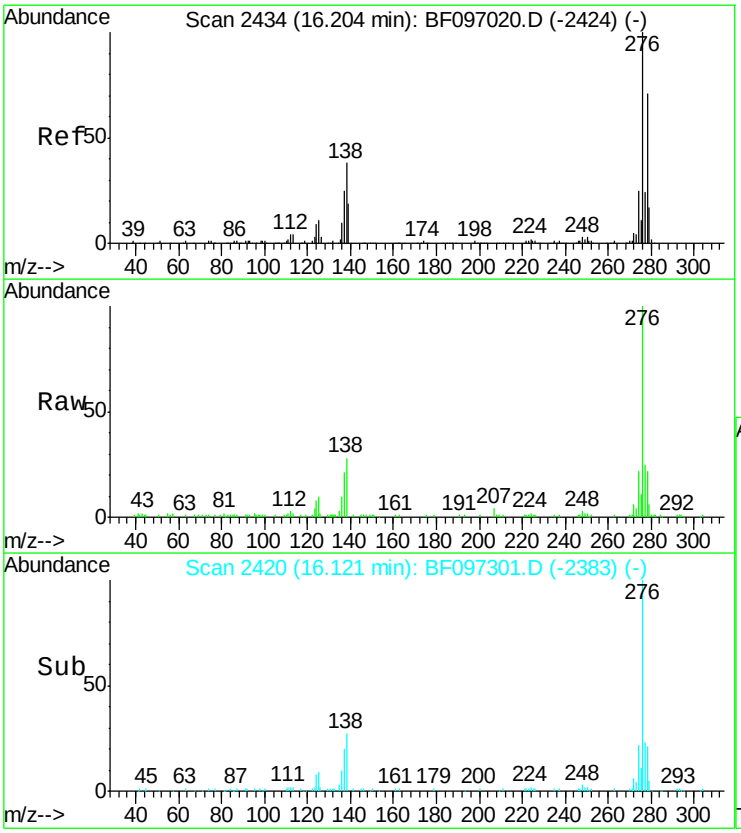
#82
Chrysene
Concen: 24.16 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 269524

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	21.8	15.8	23.6

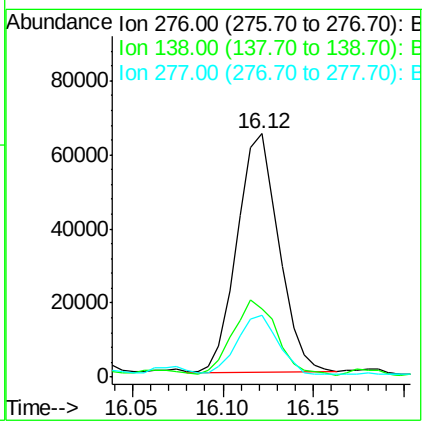


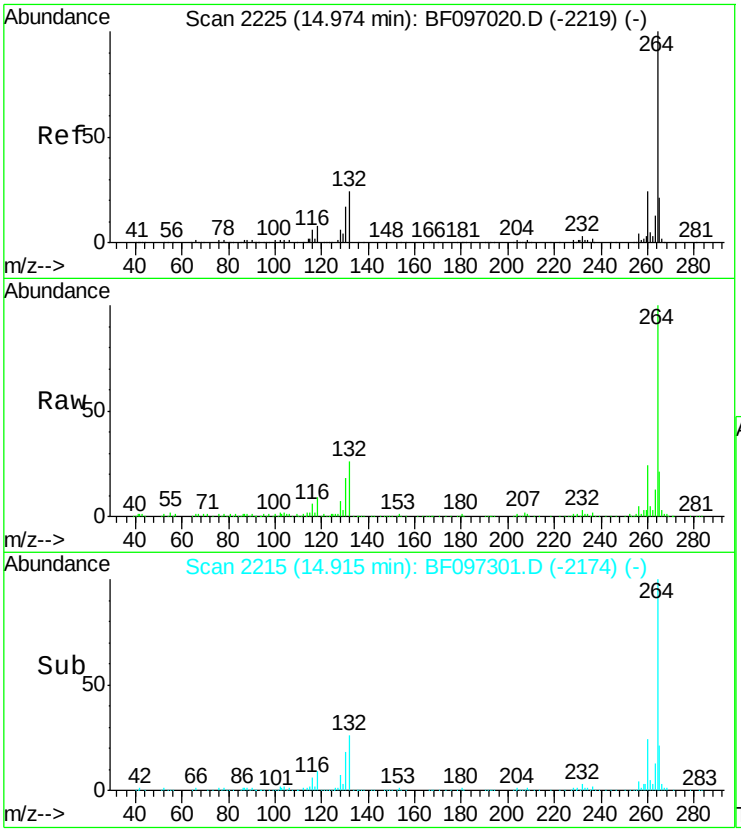


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.80 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.08 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:276 Resp: 103261

Ion	Ratio	Lower	Upper
276	100		
138	33.7	27.8	41.6
277	25.0	20.2	30.4



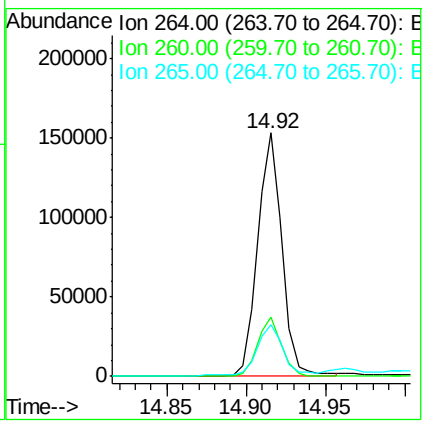


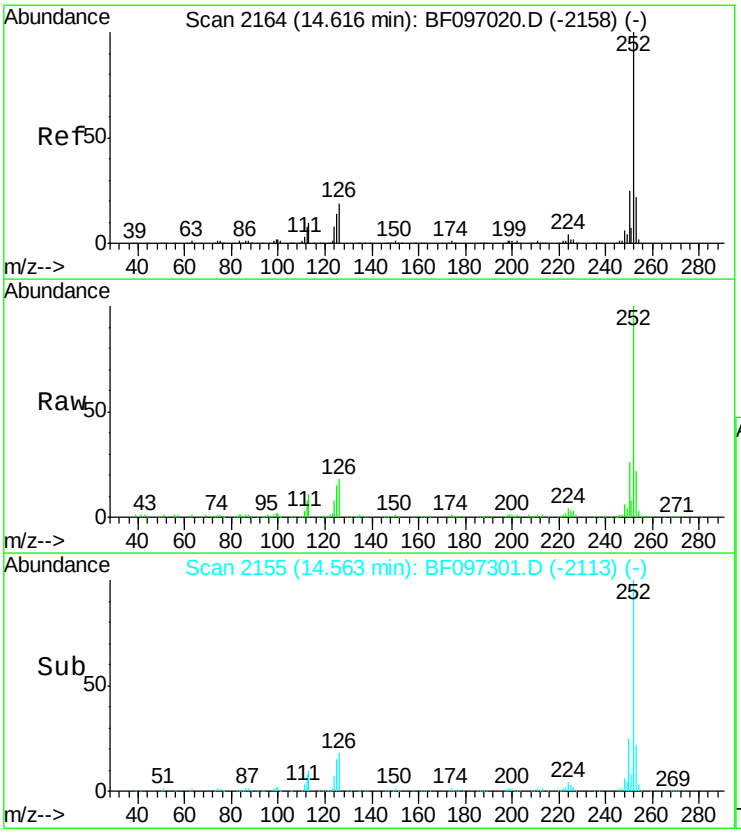
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 164456

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.2	17.2	25.8

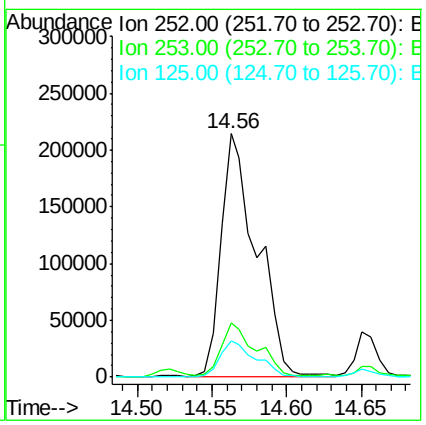


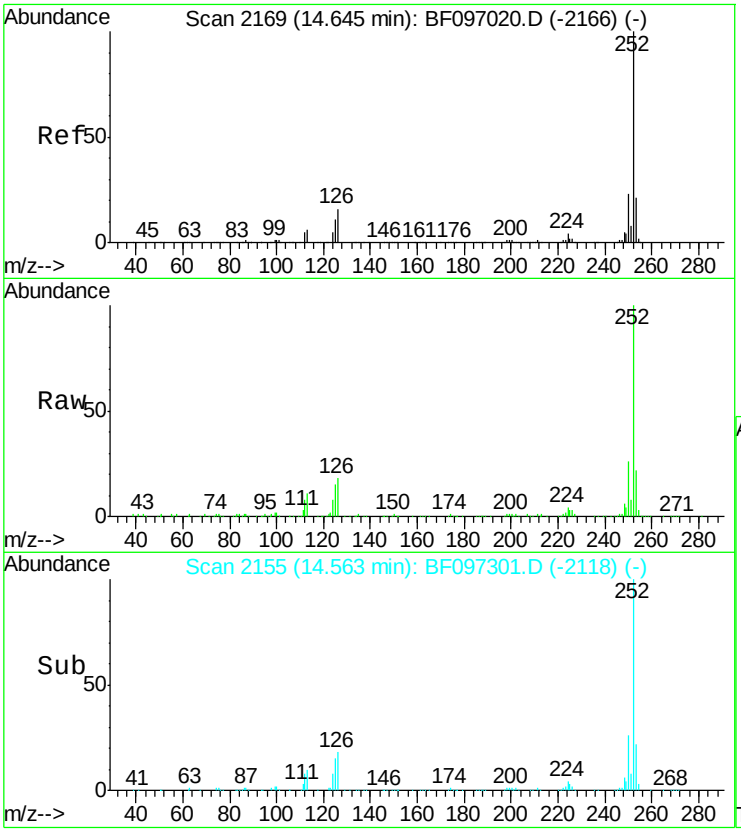


#87
Benzo(b)fluoranthene
Concen: 35.84 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:252 Resp: 354324

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.9	9.8	14.8#



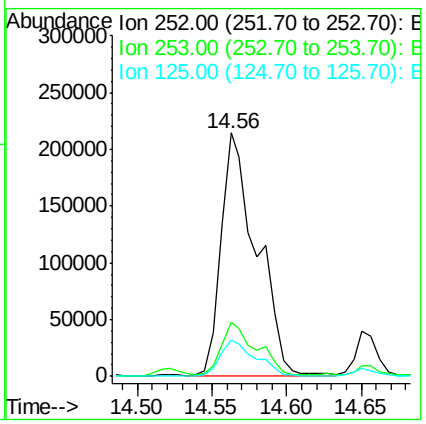


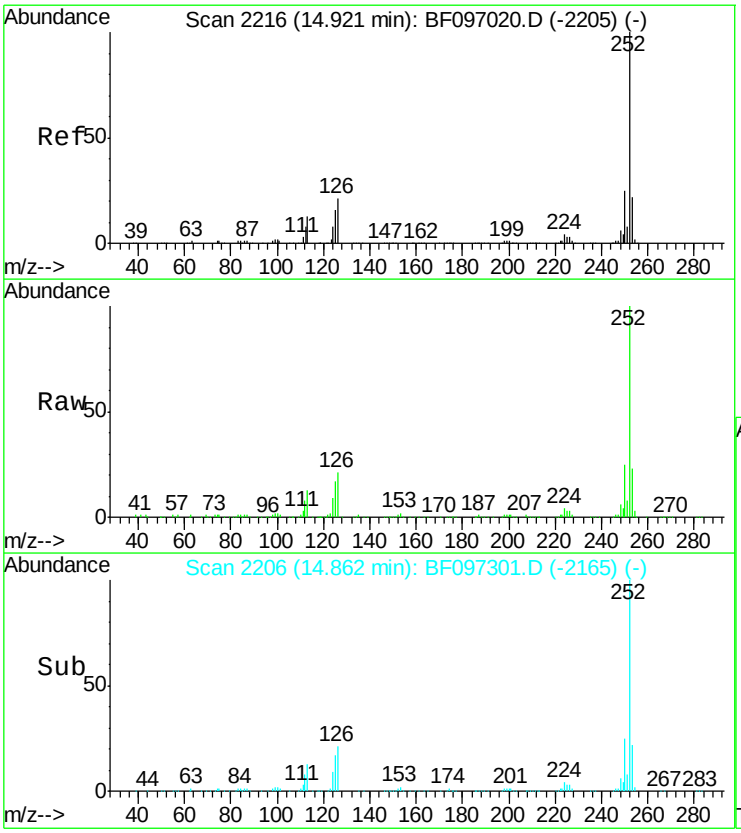
#88
Benzo(k)fluoranthene
Concen: 37.61 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.08 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 354324

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.9	13.1	19.7

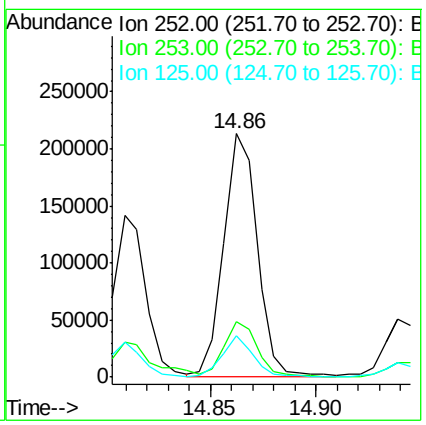


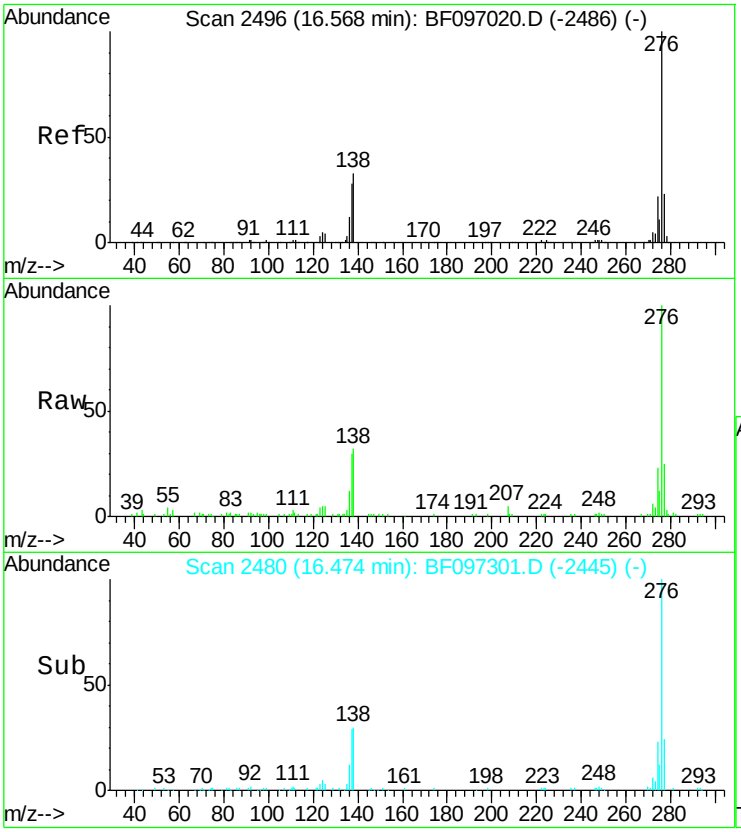


#89
Benzo(a)pyrene
Concen: 25.64 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.06 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Tgt Ion:252 Resp: 231955

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.9	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 14.94 ng
RT: 16.47 min Scan# 2480
Delta R.T. -0.09 min
Lab File: BF097301.D
Acq: 3 Aug 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 116230

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	31.6	25.4	38.0