Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\

Quantitation Report (Not Reviewed)

Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

Quant Time: Feb 28 04:17:13 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171842	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	613224	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	270980	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	409800	20.00	ng		0.00
75) Chrysene-d12	14.00	240	321358	20.00	ng		0.01
86) Perylene-d12	15.43	264	262181	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	288761	28.83	ng		0.00
7) Phenol-d6	6.46	99	368612	28.60	ng		-0.01
23) Nitrobenzene-d5	7.38	82	191912	17.43	ng		-0.01
41) 2,4,6-Tribromophenol	10.65	330	45301	23.11	ng		-0.01
44) 2-Fluorobiphenyl	9.18	172	281312	18.81	ng		0.00
78) Terphenyl-d14	12.93	244	181468	13.27	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	29682	3.62	ng	#	88
31) Naphthalene	8.12	128	376566	12.11	ng		99
32) Benzoic acid	7.92	122	309	7.22	ng	#	1
33) 4-Chloroaniline	8.12	127	49139	4.03	ng	#	32
37) 2-Methylnaphthalene	8.82	142	116702	5.85	ng		97
45) 1,1'-Biphenyl	9.28	154	72352	3.69	ng		94
48) Acenaphthylene	9.72	152	425974	16.06	ng		97
51) Acenaphthene	9.89	154	100167	6.32	ng		96
53) 2,4-Dinitrophenol	9.97	184	279	4.87	ng	#	1
57) Fluorene	10.41	166	215855	13.23	ng		98
64) 4,6-Dinitro-2-methylphenol	10.59	198	207	2.75	ng	#	1
70) Phenanthrene	11.37	178	962235	40.98	ng		99
71) Anthracene	11.42	178	387014	16.41	ng		97
74) Fluoranthene	12.57	202	1061996	43.85	ng		93
77) Pyrene	12.80	202	1895911	78.83	ng		99
80) Benzo(a)anthracene	13.99	228	791635	40.28	ng	#	81
82) Chrysene	13.99	228	791635	43.02	ng	#	85
85) Indeno(1,2,3-cd)pyrene	16.84	276	577775	40.53	ng		97
87) Benzo(b)fluoranthene	15.03	252	1138372	65.97	ng		98
88) Benzo(k)fluoranthene	15.03	252	1138372	76.40	ng	#	97
89) Benzo(a)pyrene	15.38	252	1082408	72.51	ng		99
90) Dibenzo(a,h)anthracene	17.05	278	69517	5.76	ng		96
91) Benzo(g,h,i)perylene	17.27	276	813437	66.74	ng	#	89

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

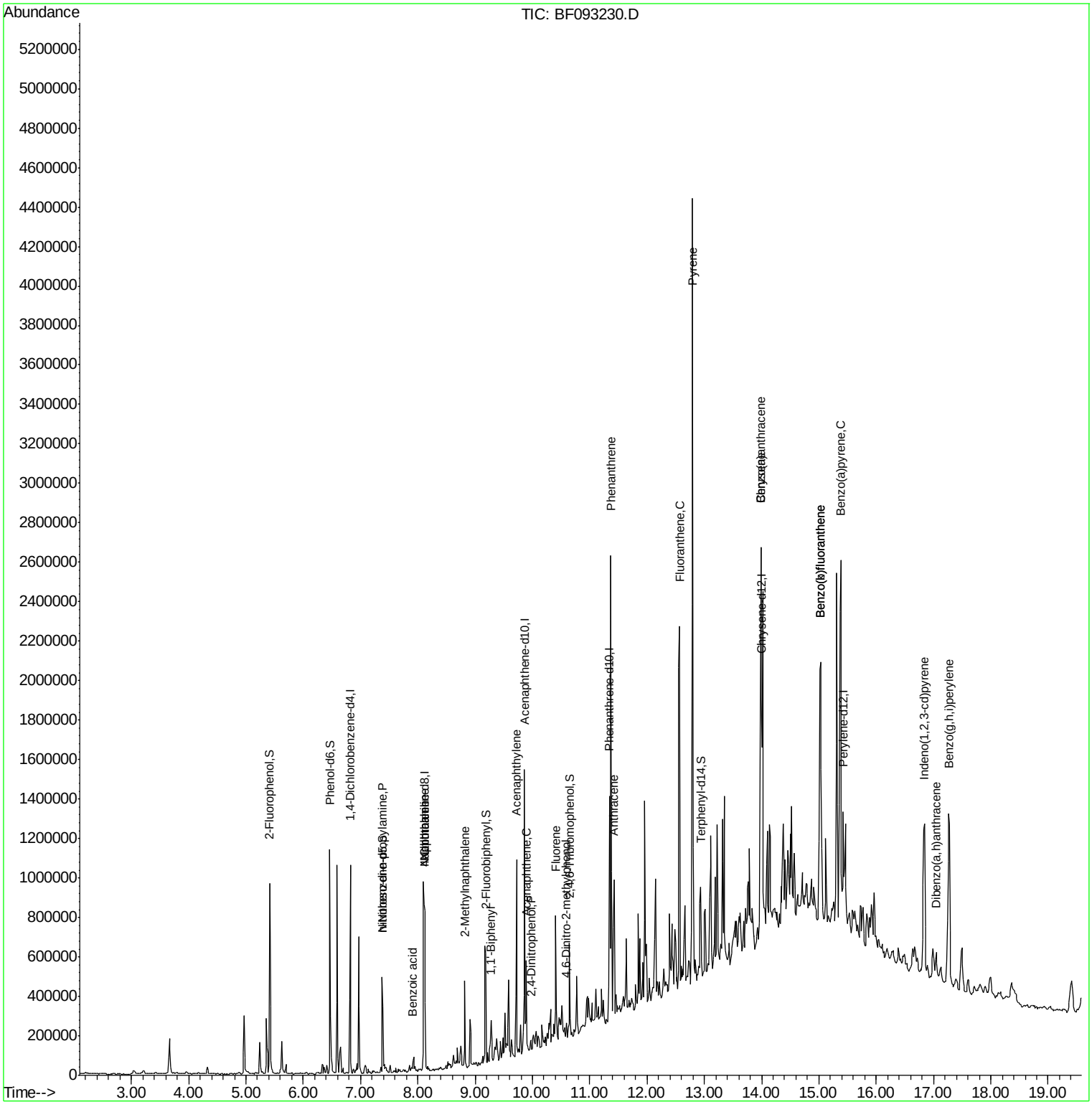
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\

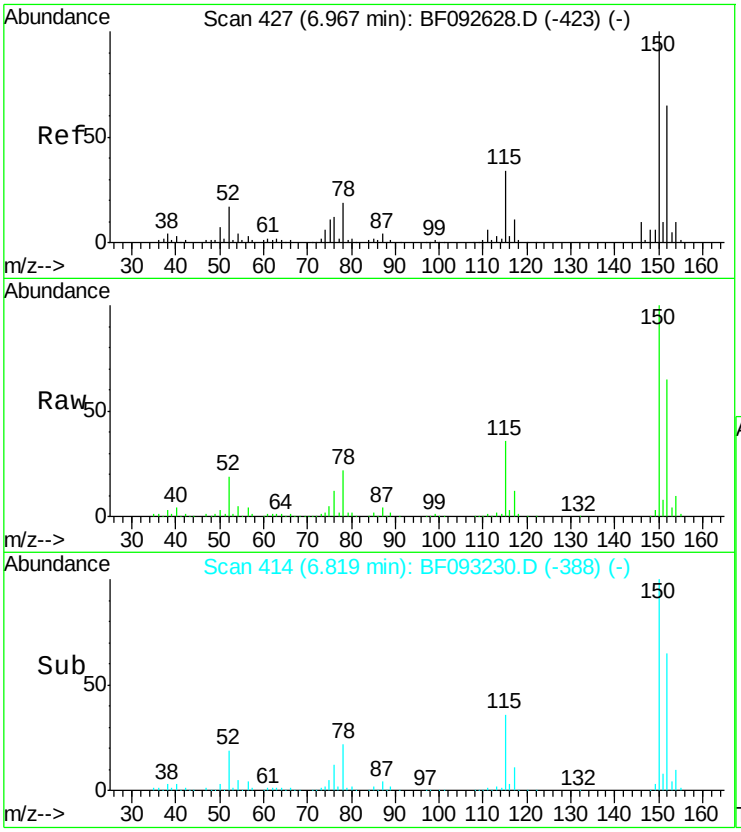
Quantitation Report (Not Reviewed)

Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Quant Time: Feb 28 04:17:13 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration



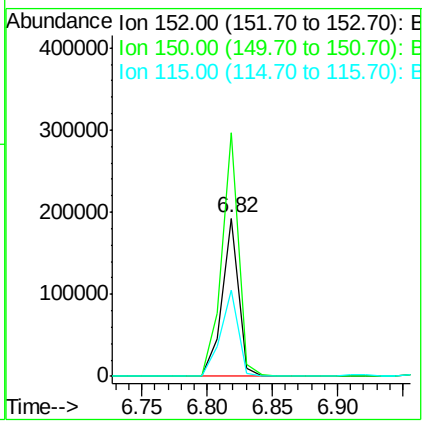


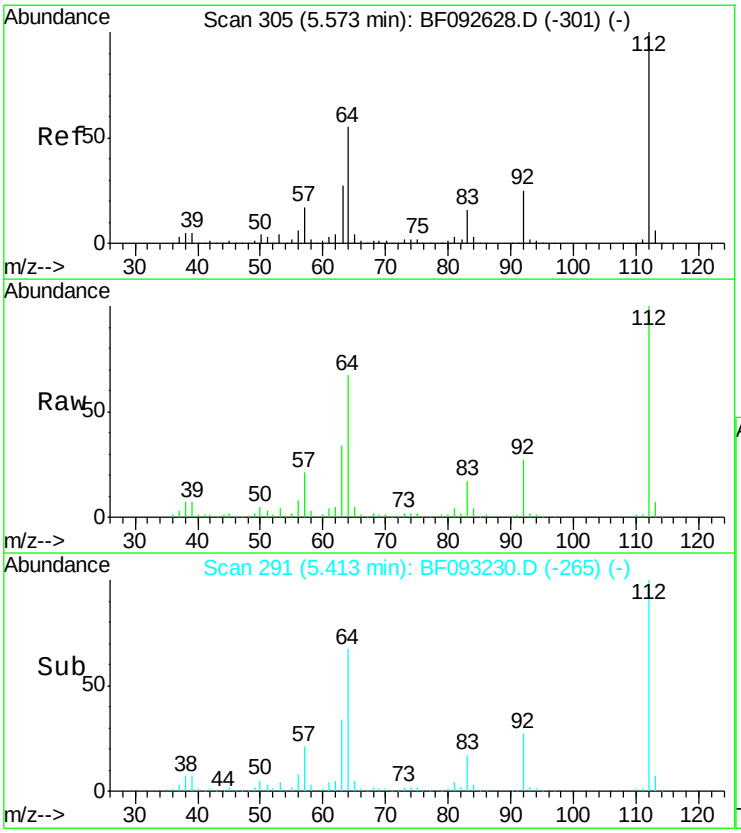
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:152 Resp: 171842

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.9	187.3
115	54.9	46.0	69.0

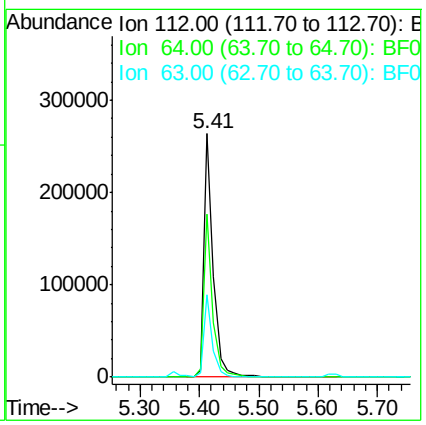


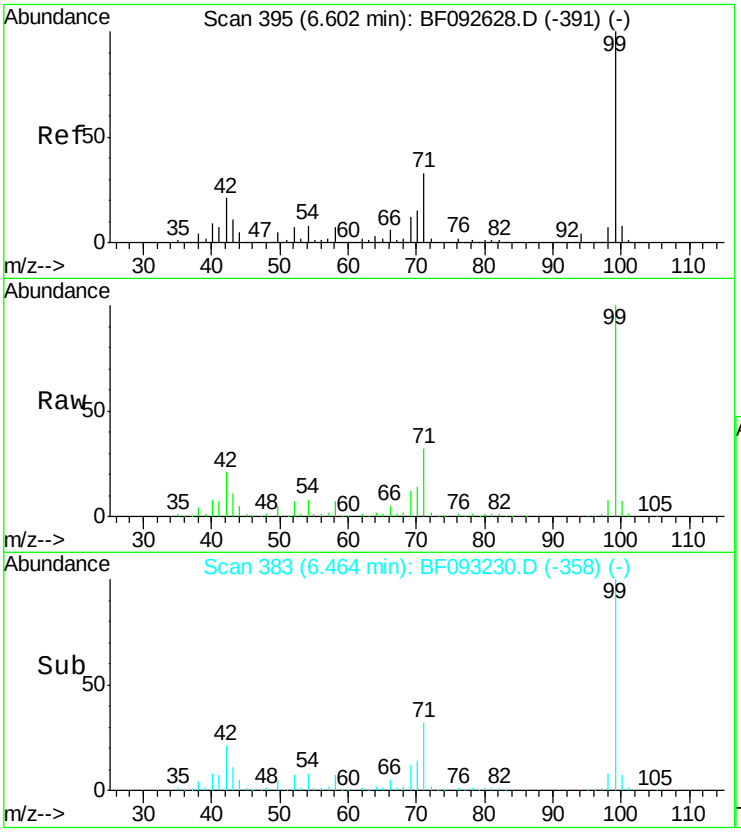


#5
2-Fluorophenol
Concen: 28.83 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:112 Resp: 288761

Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.1	69.1
63	33.6	23.8	35.6



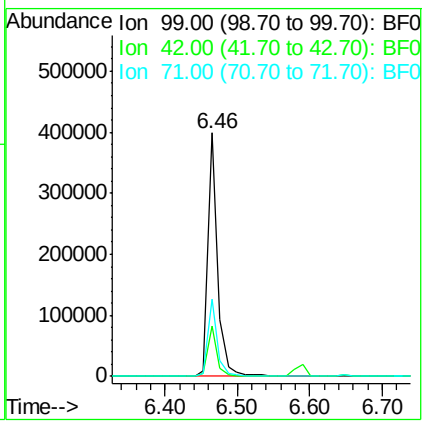


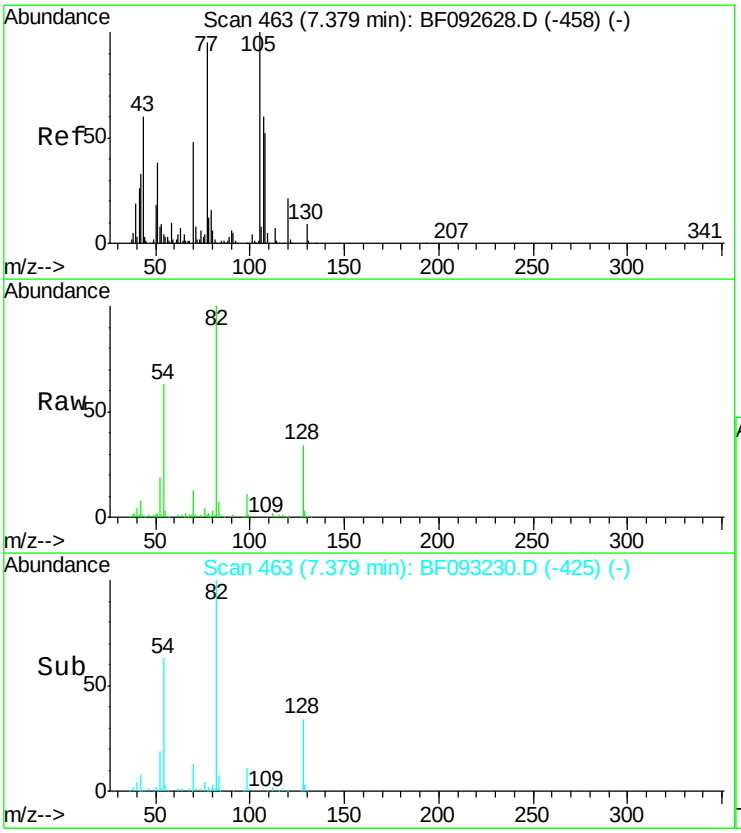
#7
Phenol-d6
Concen: 28.60 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion: 99 Resp: 368612

Ion	Ratio	Lower	Upper
99	100		
42	20.9	15.6	23.4
71	31.8	27.5	41.3

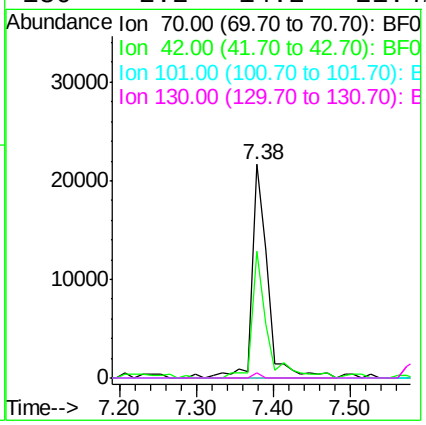


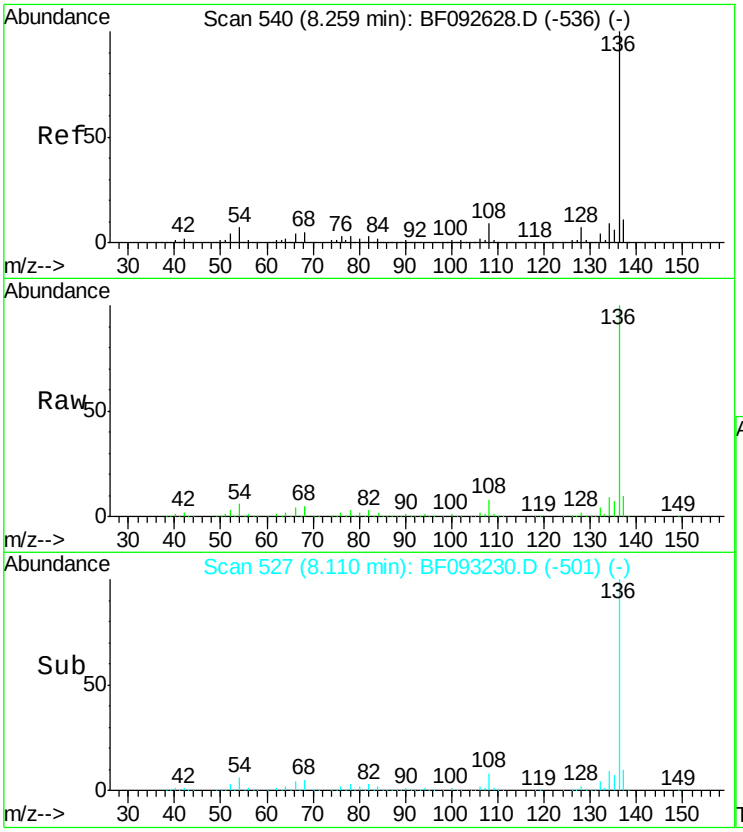


#19
n-Nitroso-di-n-propylamine
Concen: 3.62 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.14 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion: 70 Resp: 29682

Ion	Ratio	Lower	Upper
70	100		
42	59.2	49.4	74.0
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



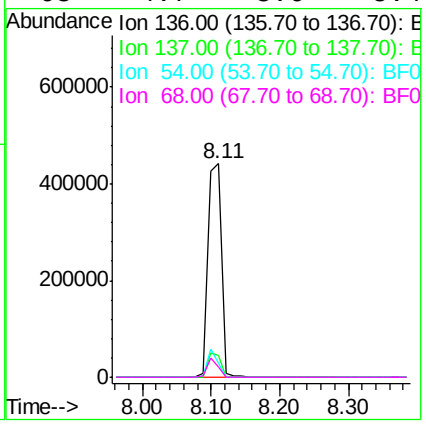


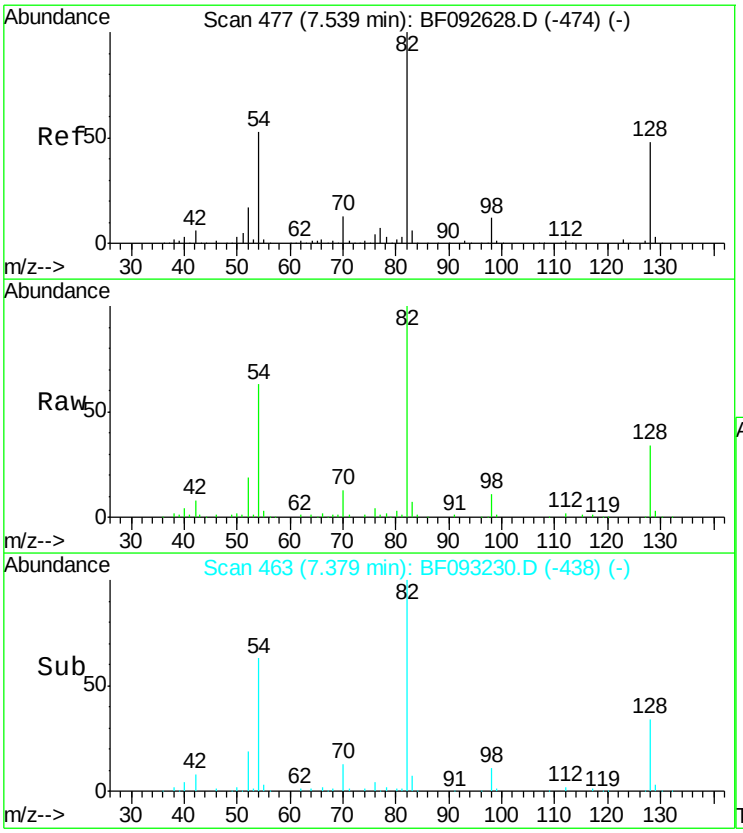
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:136 Resp: 613224

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	6.5	4.5	6.7
68	4.7	3.6	5.4

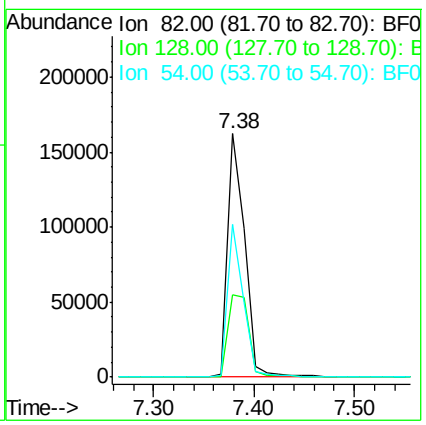


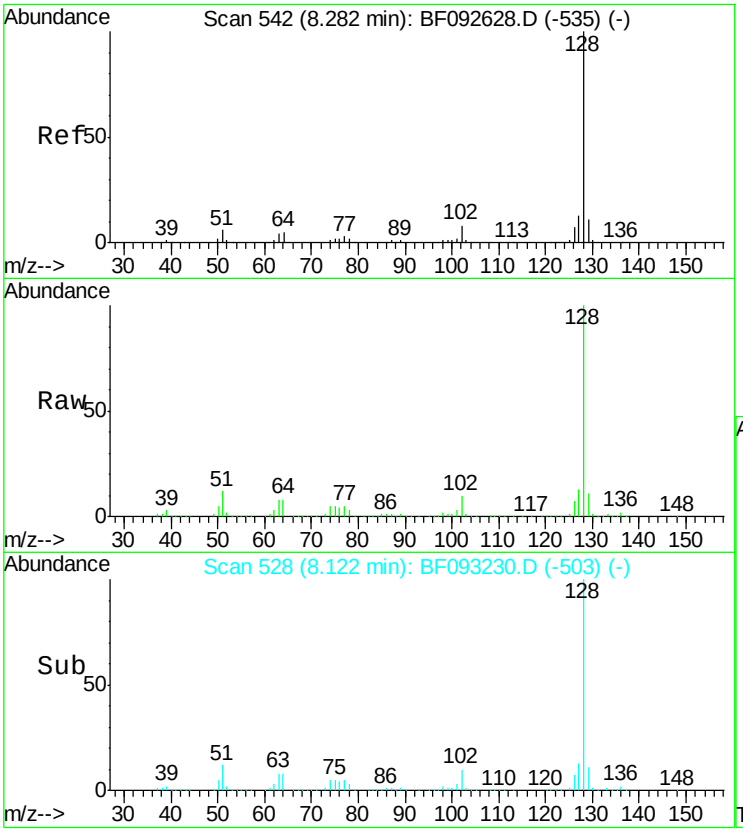


#23
Nitrobenzene-d5
Concen: 17.43 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion: 82 Resp: 191912

Ion	Ratio	Lower	Upper
82	100		
128	34.0	34.6	52.0#
54	62.7	39.5	59.3#



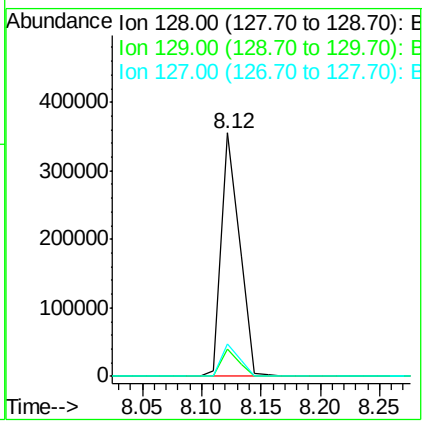


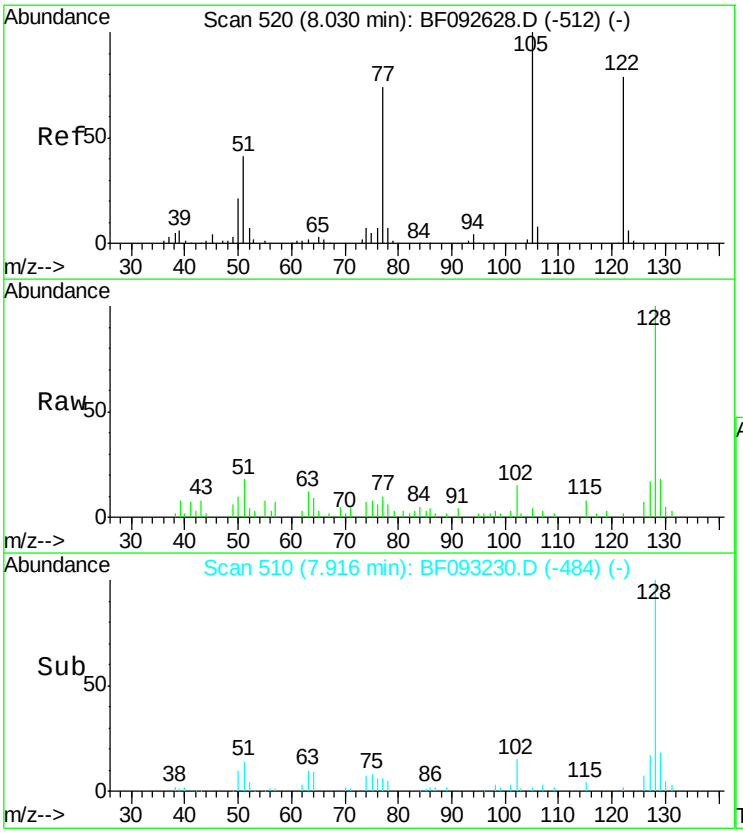
#31
Naphthalene
Concen: 12.11 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:128 Resp: 376566

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.2	10.8	16.2

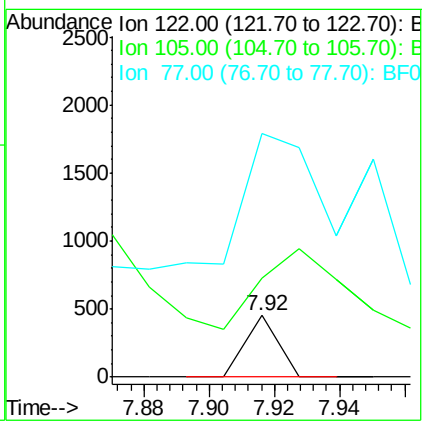


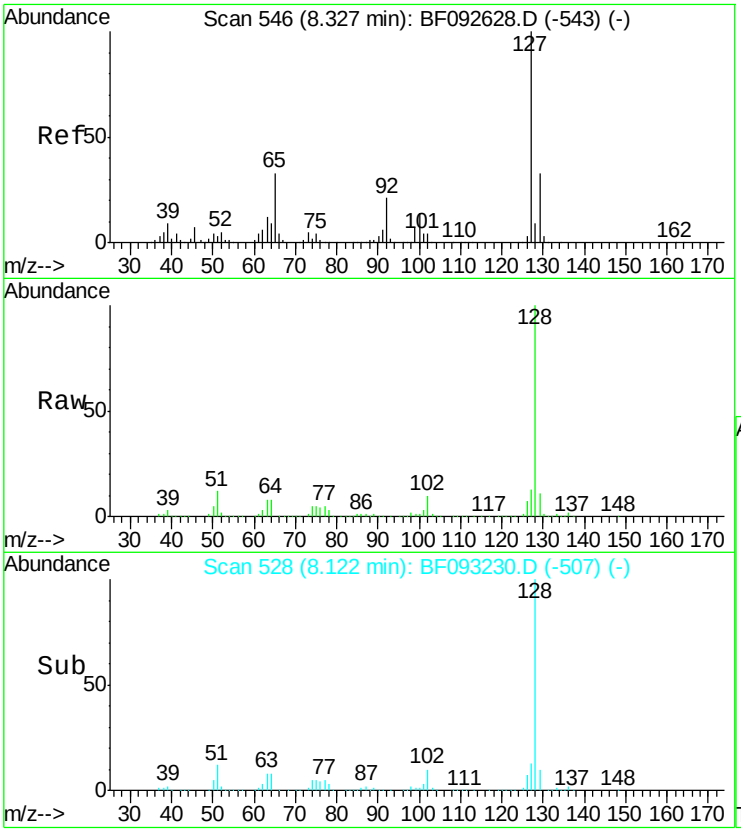


#32
Benzoic acid
Concen: 7.22 ng
RT: 7.92 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:122 Resp: 309

Ion	Ratio	Lower	Upper
122	100		
105	161.0	107.2	147.2#
77	396.7	74.5	114.5#



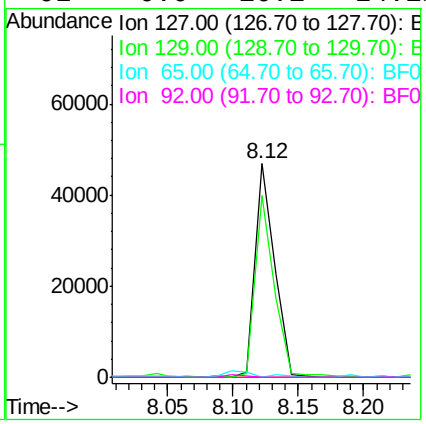


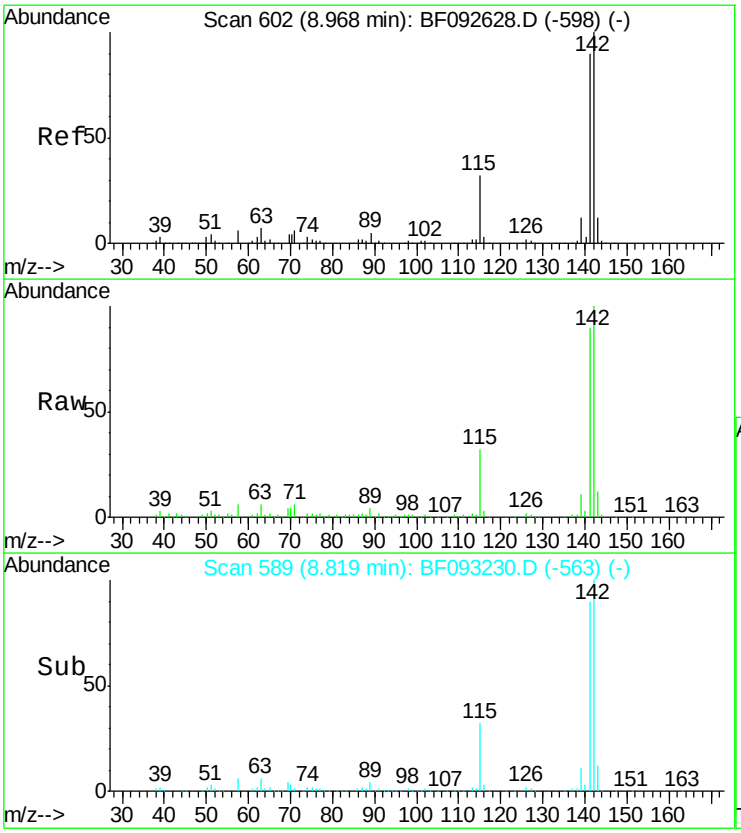
#33
4-Chloroaniline
Concen: 4.03 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.06 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:127 Resp: 49139

Ion	Ratio	Lower	Upper
127	100		
129	84.9	26.3	39.5#
65	0.0	25.8	38.8#
92	0.0	16.1	24.1#

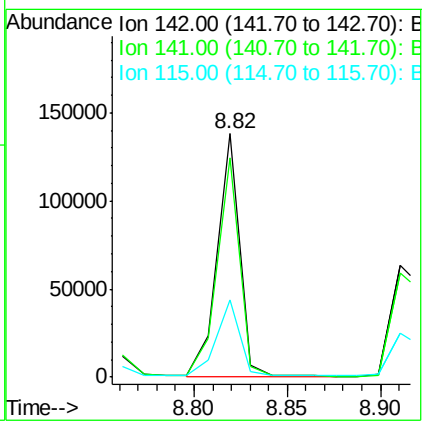


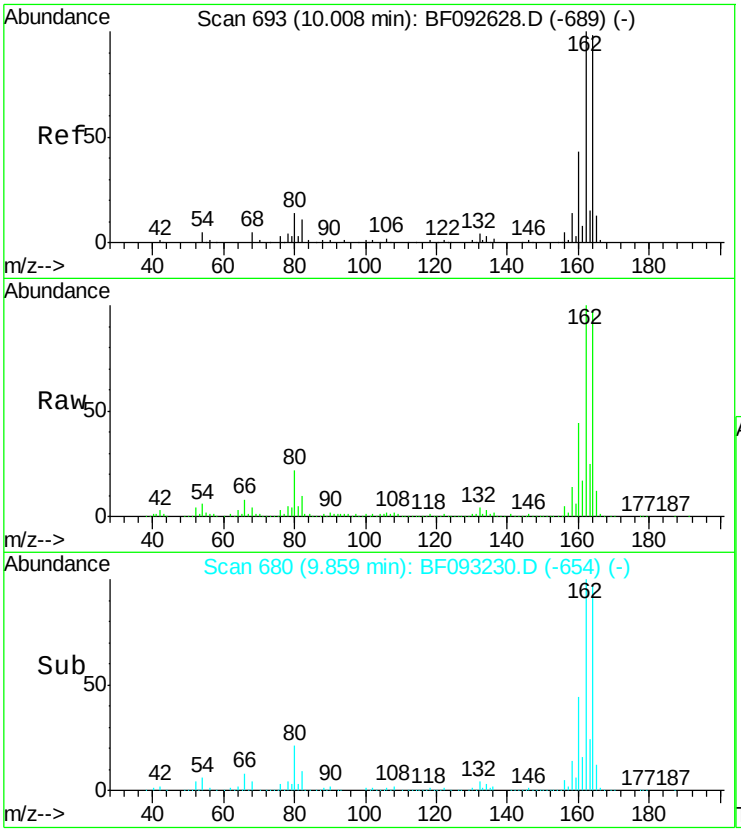


#37
2-Methylnaphthalene
Concen: 5.85 ng
RT: 8.82 min Scan# 589
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:142 Resp: 116702

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	31.9	28.3	42.5



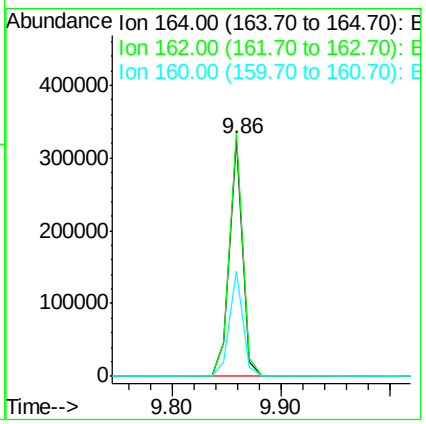


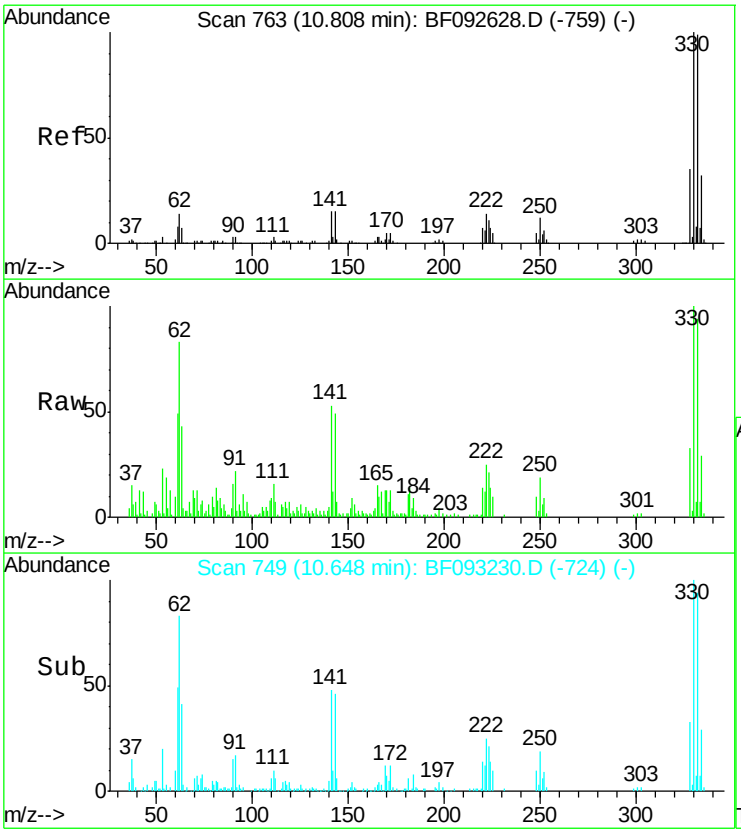
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:164 Resp: 270980

Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.2	120.2
160	44.7	36.9	55.3

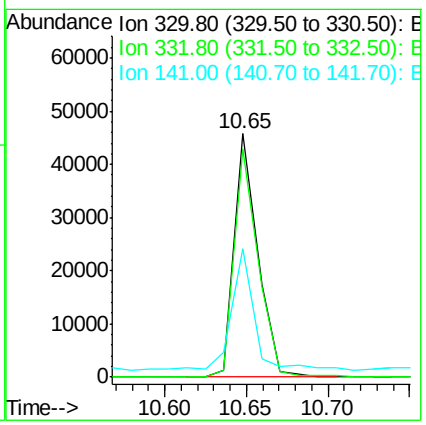


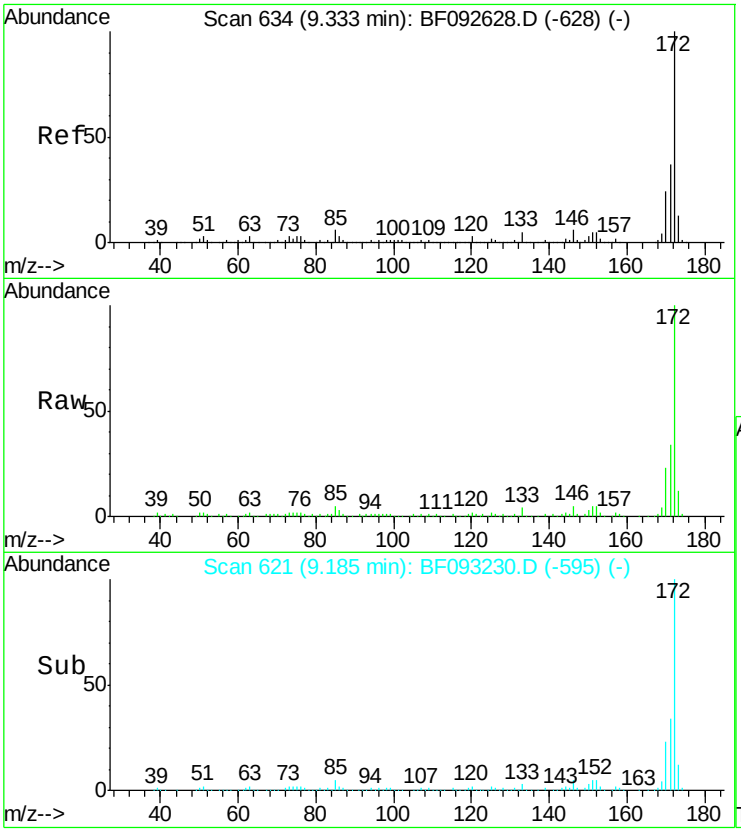


#41
2,4,6-Tribromophenol
Concen: 23.11 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:330 Resp: 45301

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.4	116.2
141	49.3	34.1	51.1



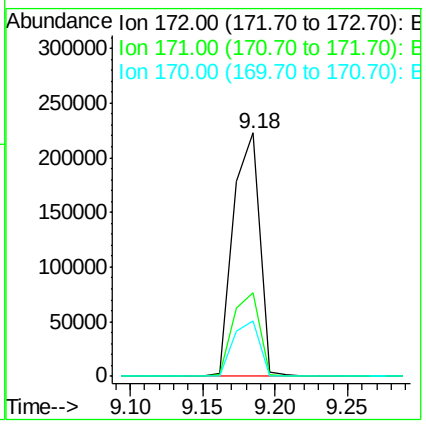


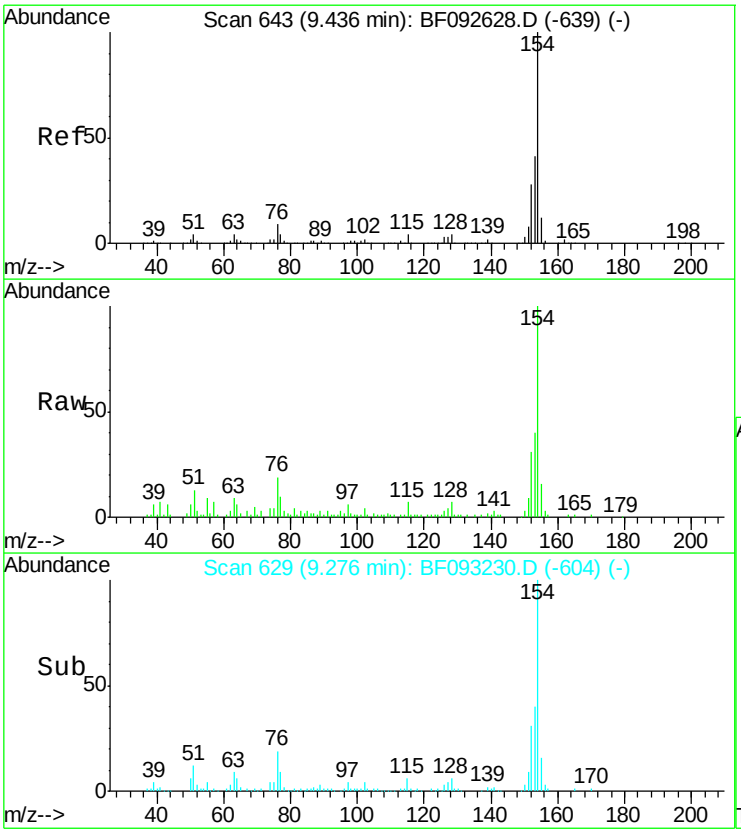
#44
2-Fluorobiphenyl
Concen: 18.81 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:172 Resp: 281312

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.4	44.0
170	22.8	20.2	30.4

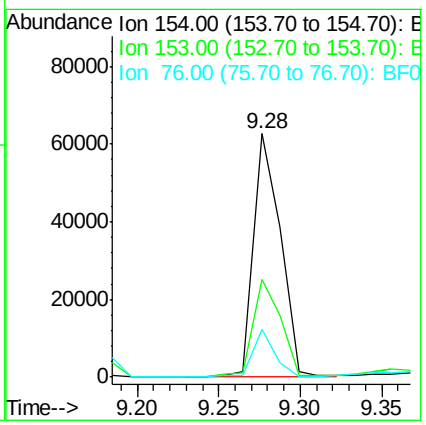


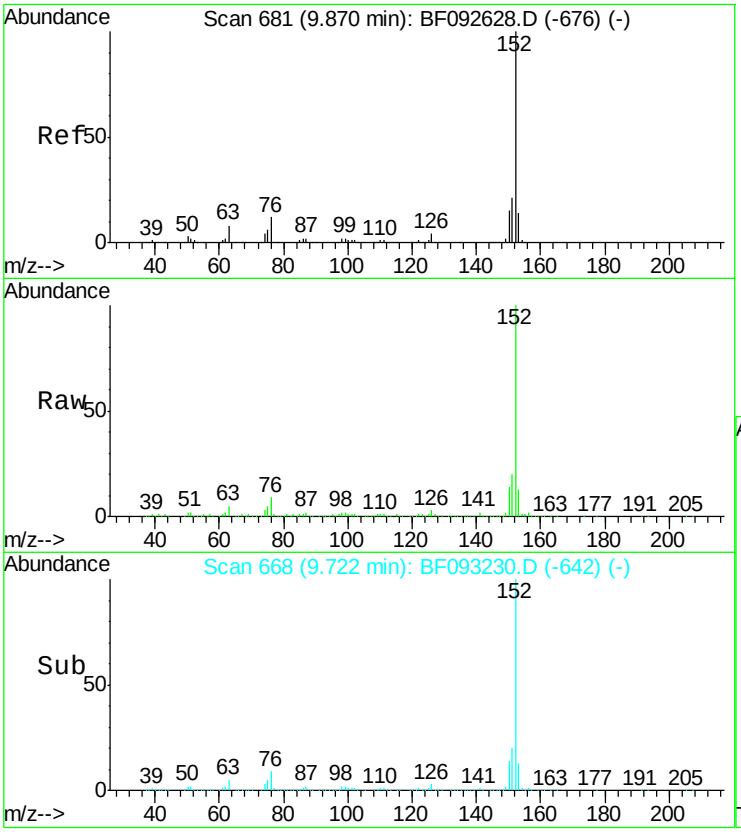


#45
1,1'-Biphenyl
Concen: 3.69 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:154 Resp: 72352

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.9	60.9
76	19.4	0.0	30.5



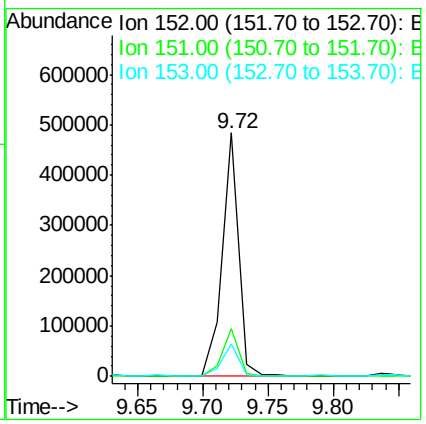


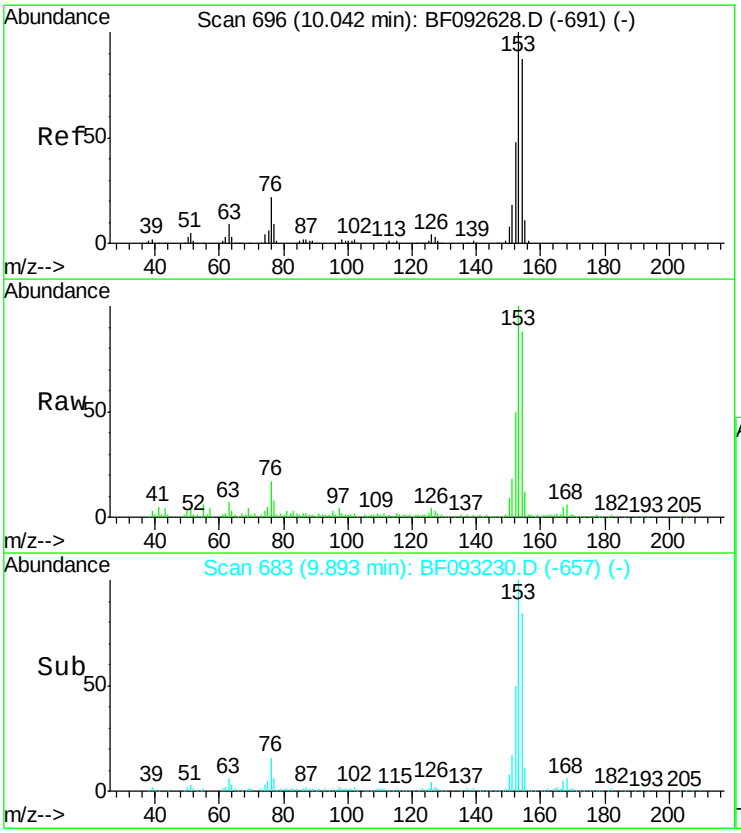
#48
Acenaphthylene
Concen: 16.06 ng
RT: 9.72 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:152 Resp: 425974

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.9	25.3
153	13.1	11.4	17.2

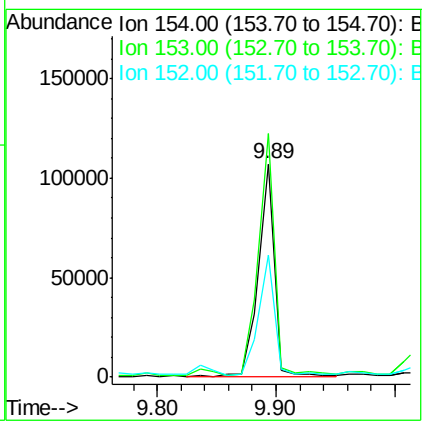


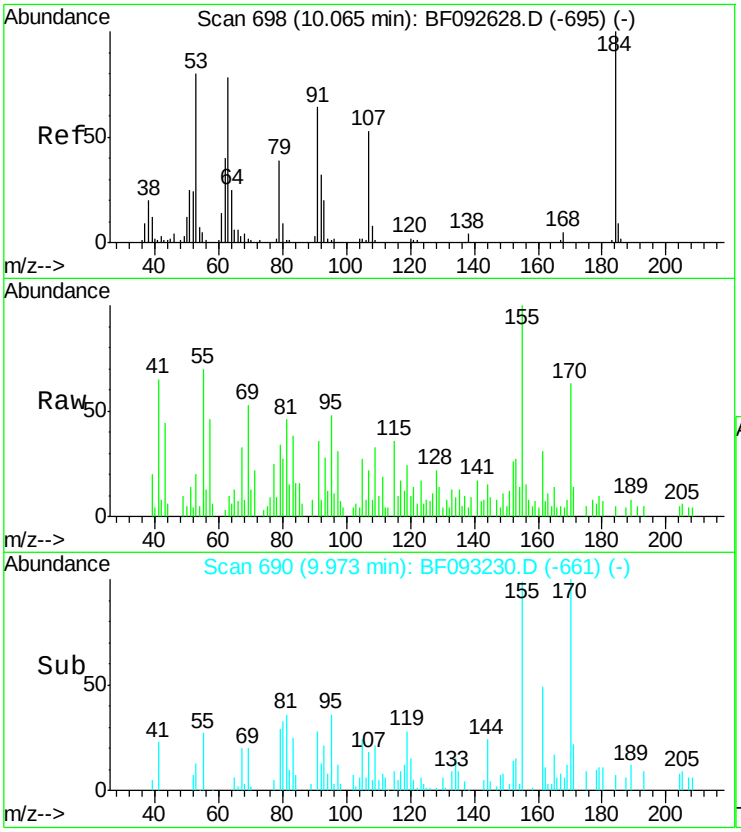


#51
Acenaphthene
Concen: 6.32 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:154 Resp: 100167

Ion	Ratio	Lower	Upper
154	100		
153	114.0	88.6	133.0
152	57.3	41.6	62.4



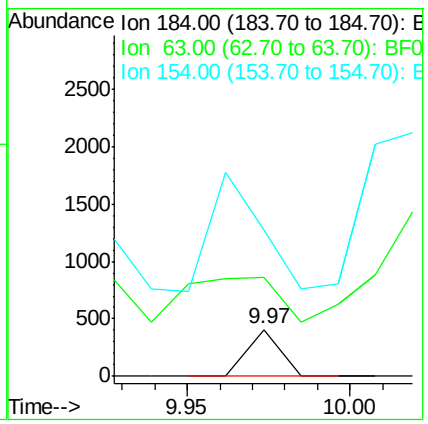


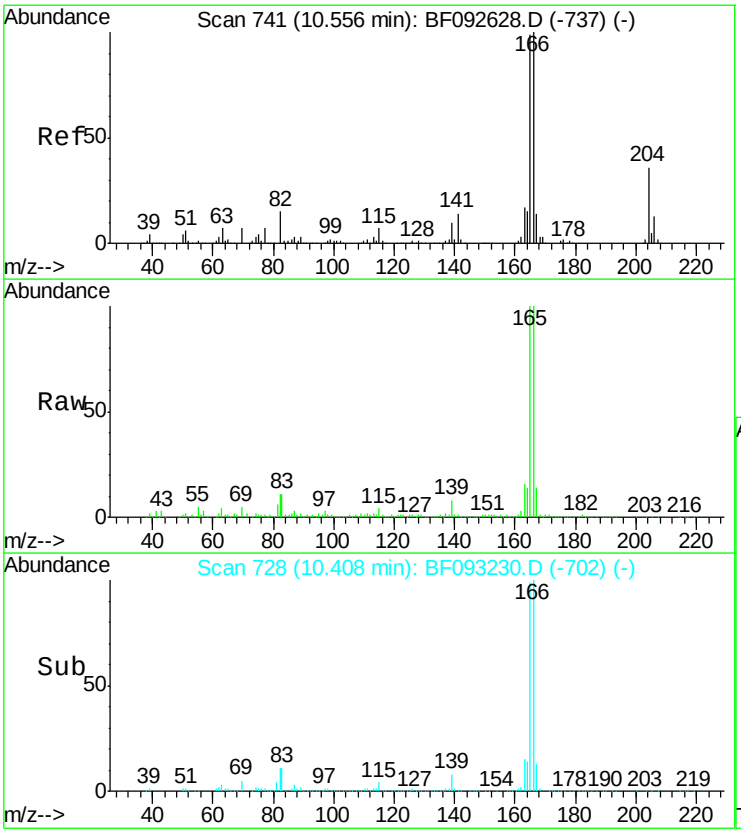
#53
2,4-Dinitrophenol
Concen: 4.87 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.03 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:184 Resp: 279

Ion	Ratio	Lower	Upper
184	100		
63	212.8	28.4	42.6#
154	312.3	44.3	66.5#

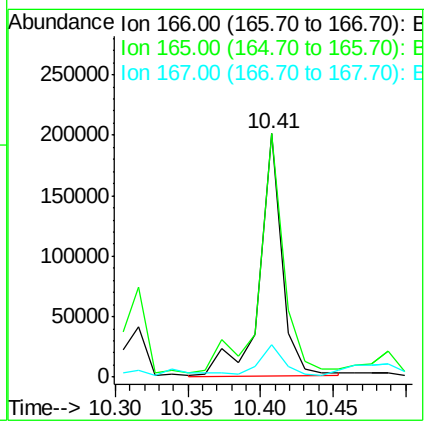


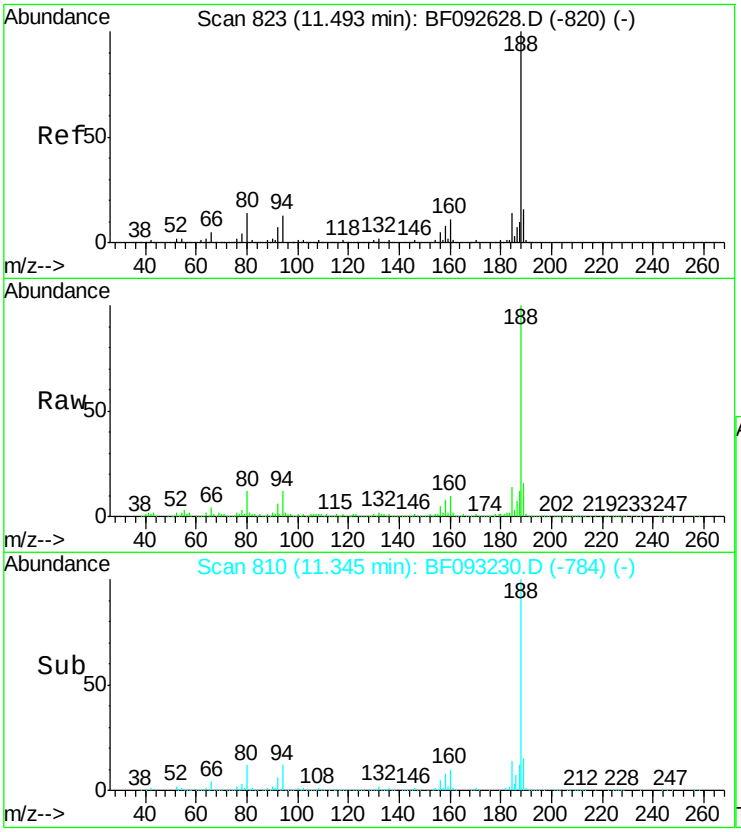


#57
Fluorene
Concen: 13.23 ng
RT: 10.41 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:166 Resp: 215855

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.8	116.8
167	13.6	10.8	16.2



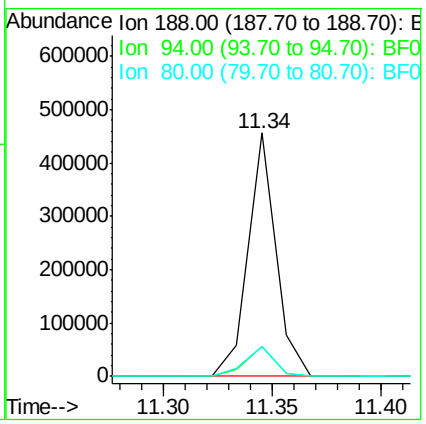


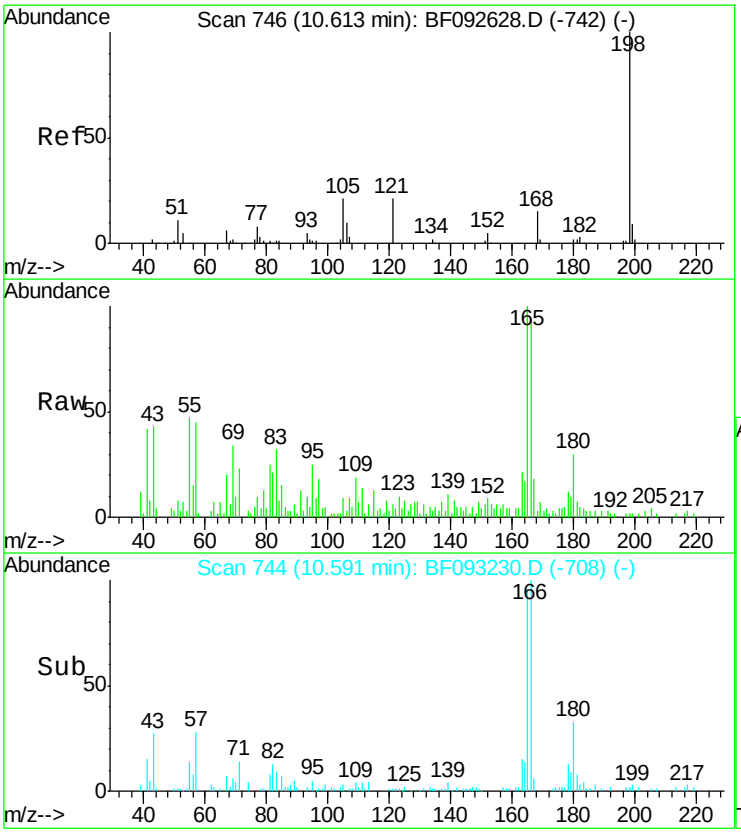
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:188 Resp: 409800

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.0	15.0
80	12.4	11.2	16.8

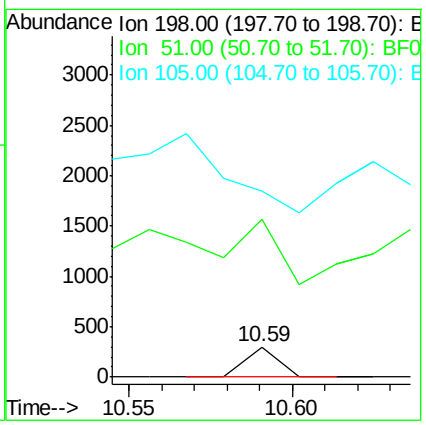


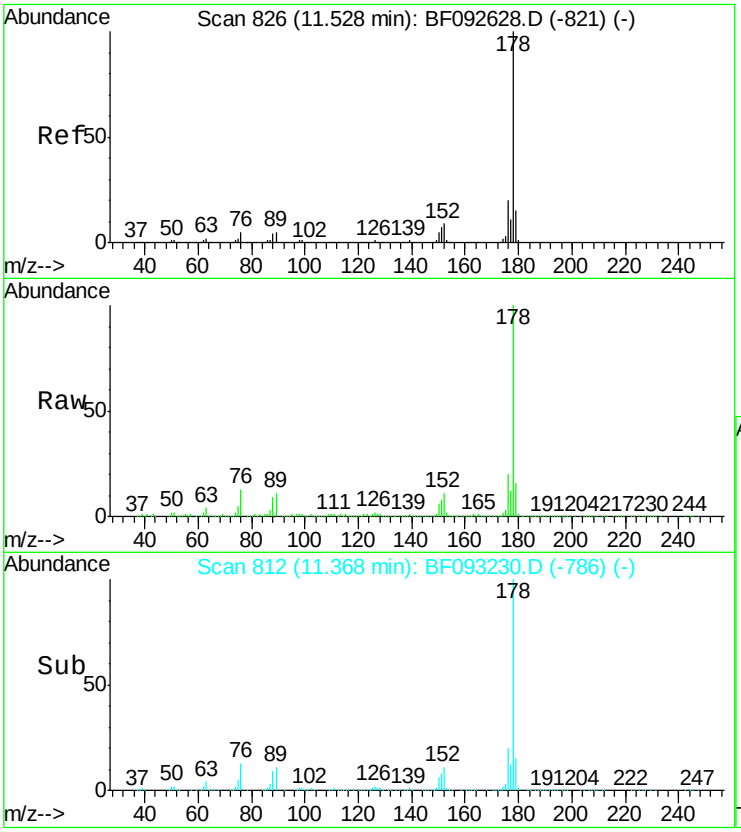


#64
4,6-Dinitro-2-methylphenol
Concen: 2.75 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.11 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:198 Resp: 207

Ion	Ratio	Lower	Upper
198	100		
51	519.2	6.7	46.7#
105	609.9	16.6	56.6#



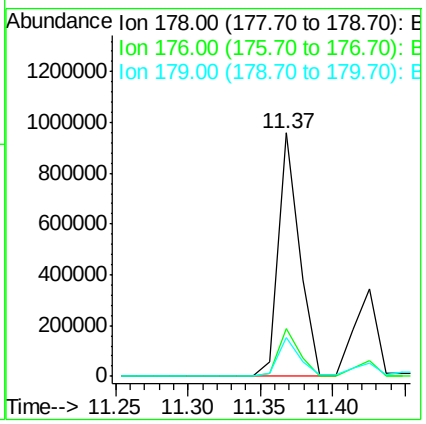


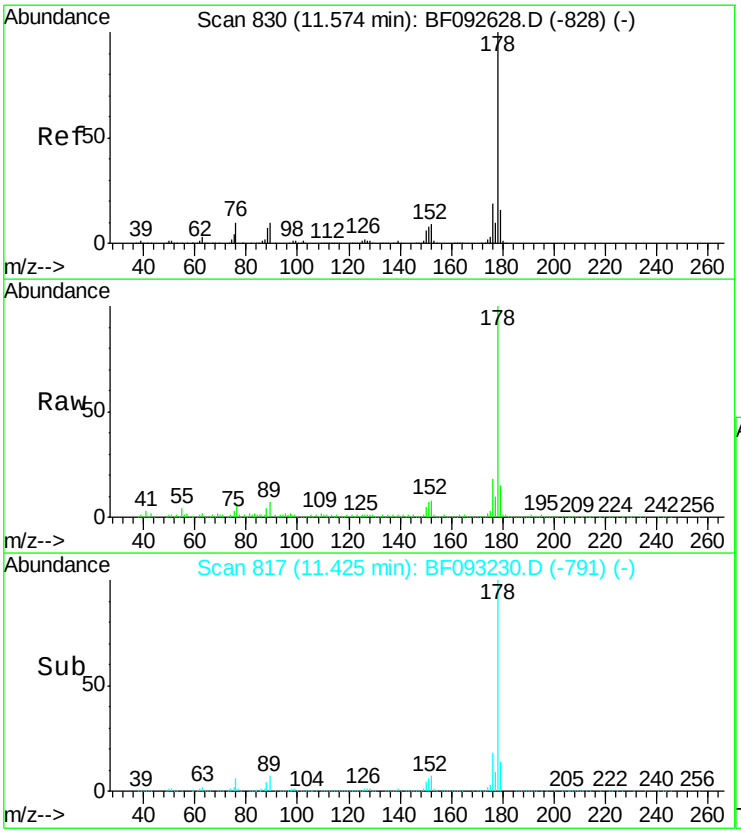
#70
Phenanthrene
Concen: 40.98 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:178 Resp: 962235

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	16.0	12.8	19.2

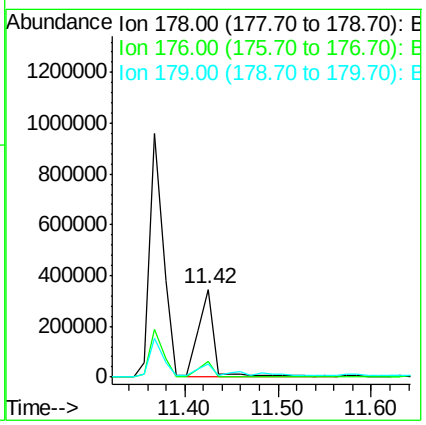


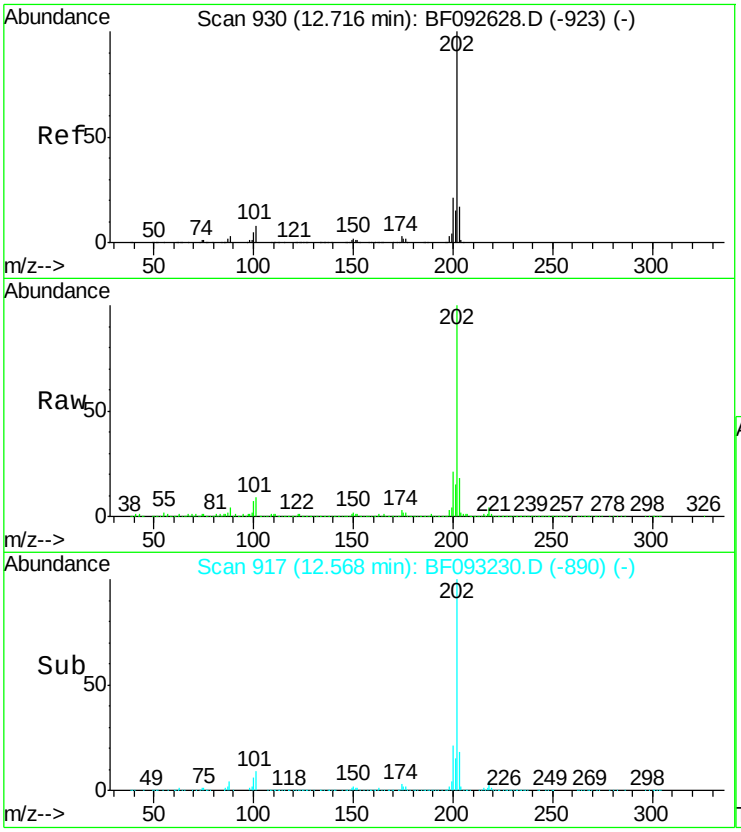


#71
Anthracene
Concen: 16.41 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:178 Resp: 387014

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.2	13.2	19.8



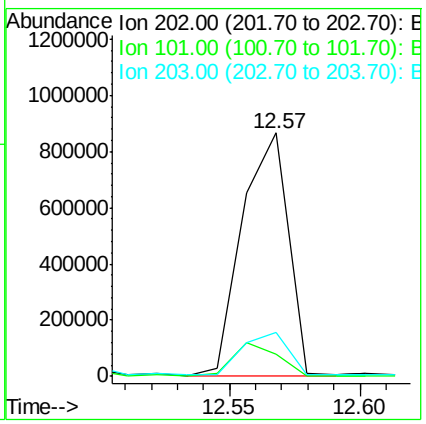


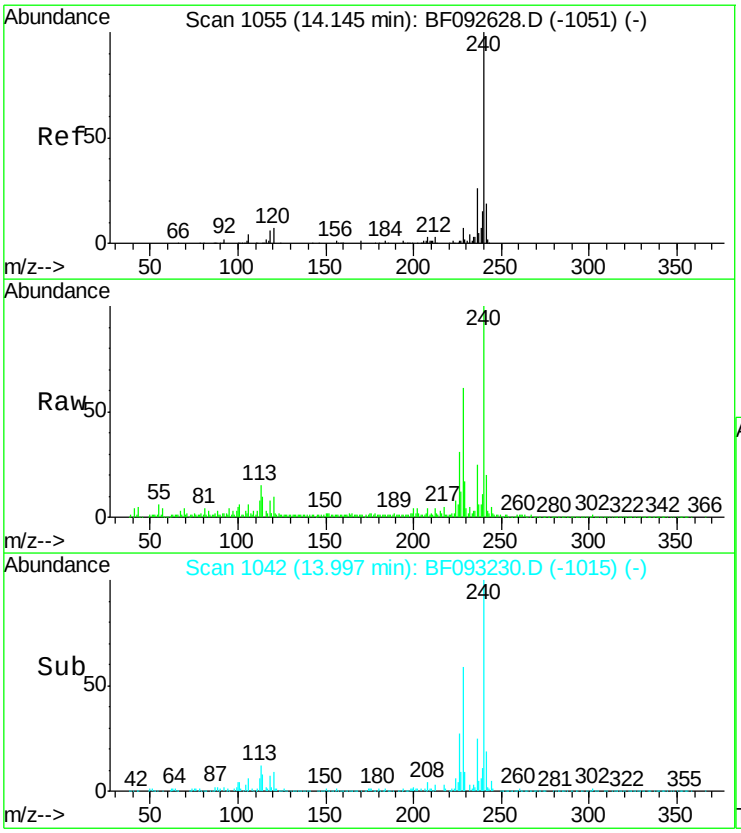
#74
Fluoranthene
Concen: 43.85 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:202 Resp: 1061996

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.6
203	17.9	0.0	38.7

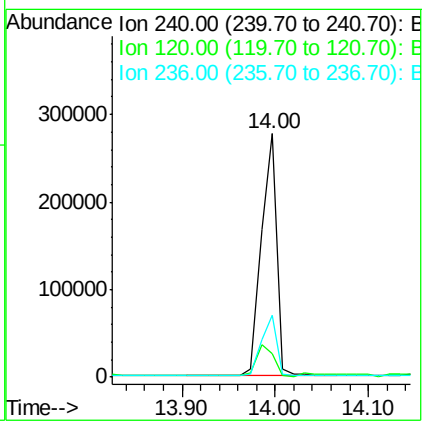


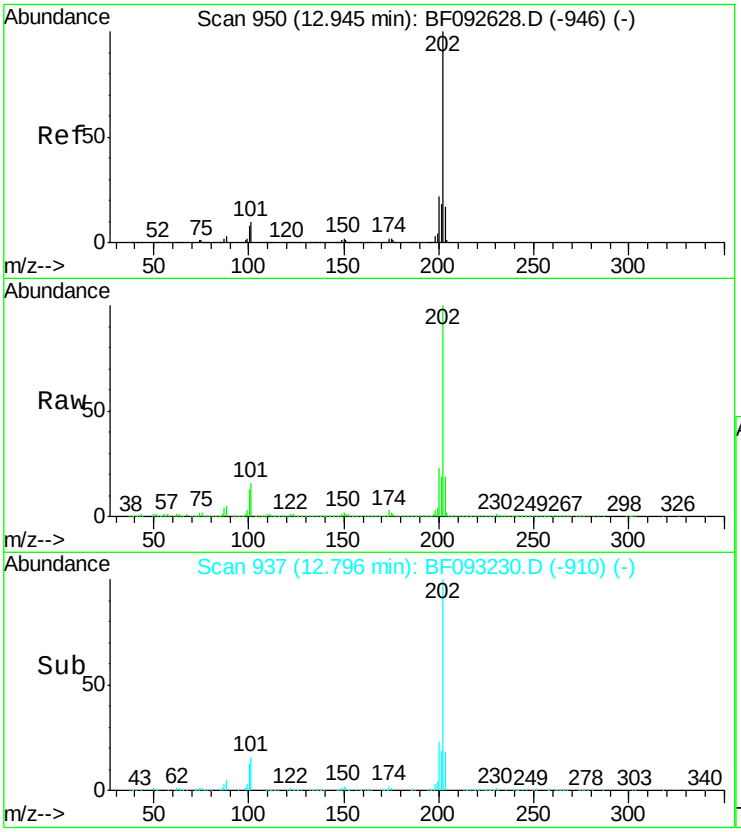


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:240 Resp: 321358

Ion	Ratio	Lower	Upper
240	100		
120	9.6	12.9	19.3#
236	25.3	20.9	31.3



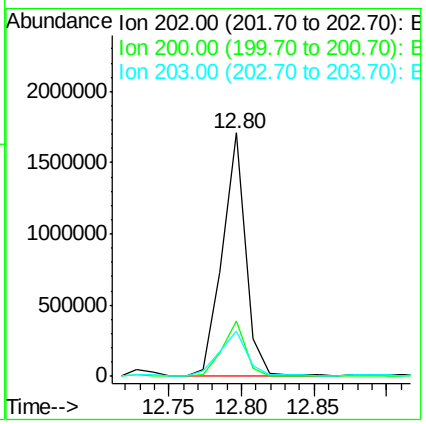


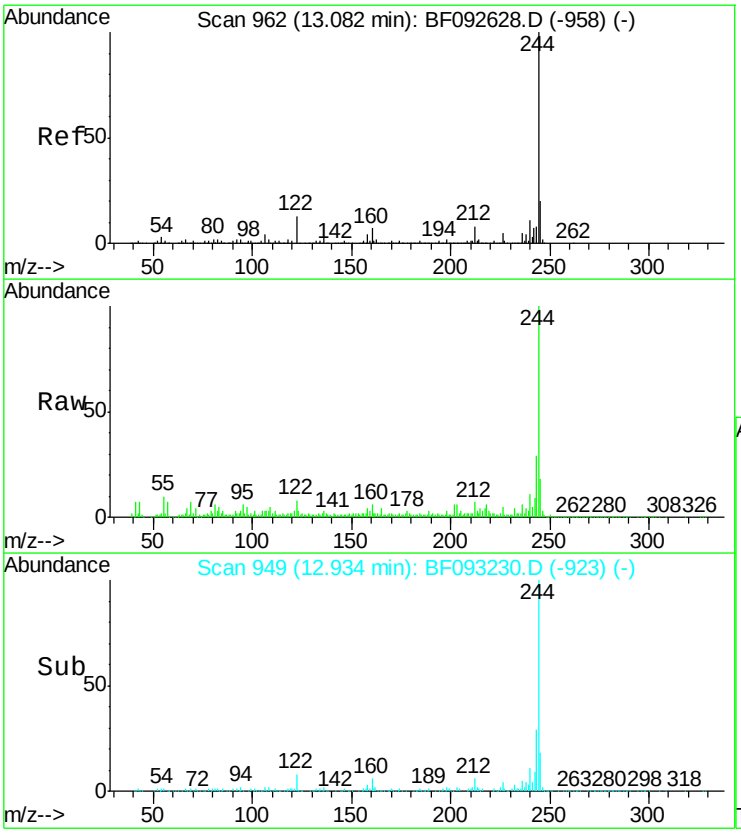
#77
Pyrene
Concen: 78.83 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:202 Resp: 1895911

Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.7	26.5
203	18.5	14.7	22.1

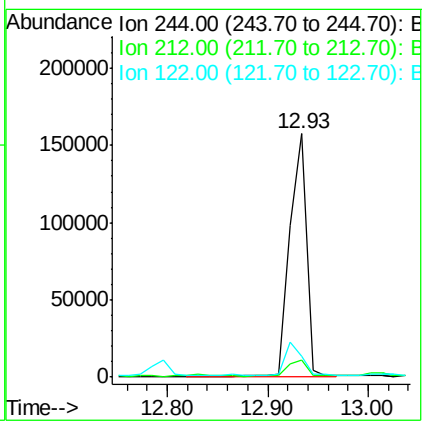


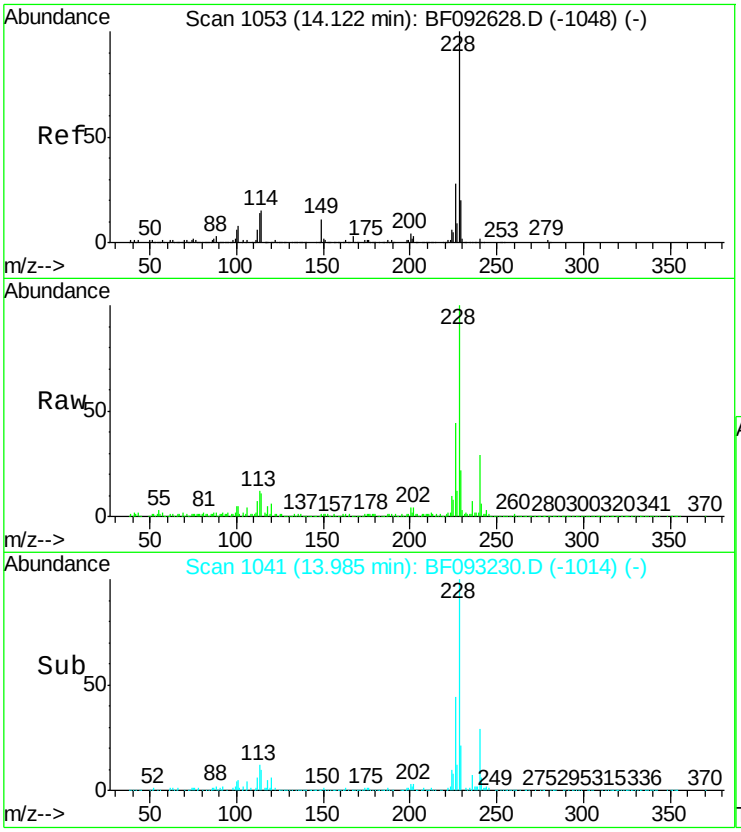


#78
Terphenyl-d14
Concen: 13.27 ng
RT: 12.93 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:244 Resp: 181468

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	8.4	11.4	17.2#



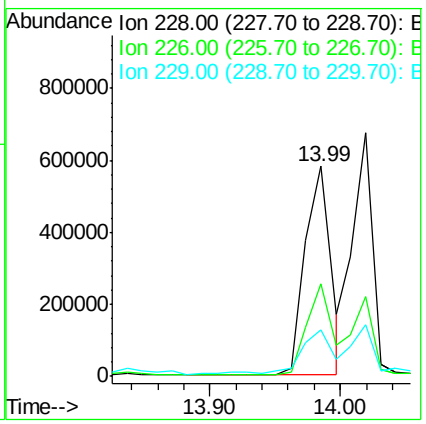


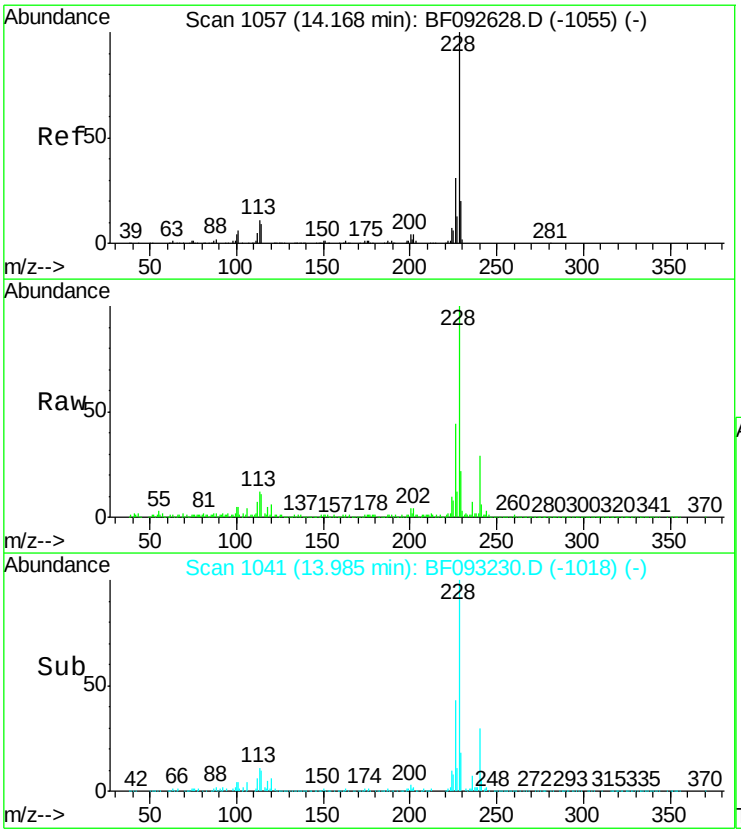
#80
Benzo(a)anthracene
Concen: 40.28 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:228 Resp: 791635

Ion	Ratio	Lower	Upper
228	100		
226	44.1	22.4	33.6#
229	21.9	16.2	24.4

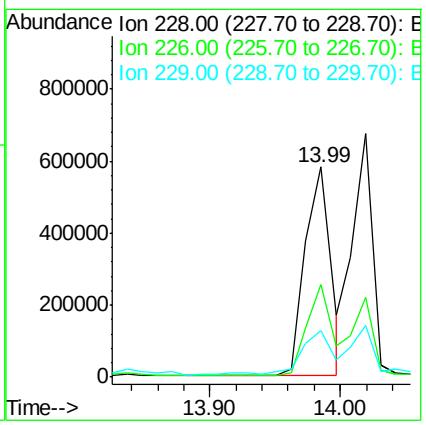


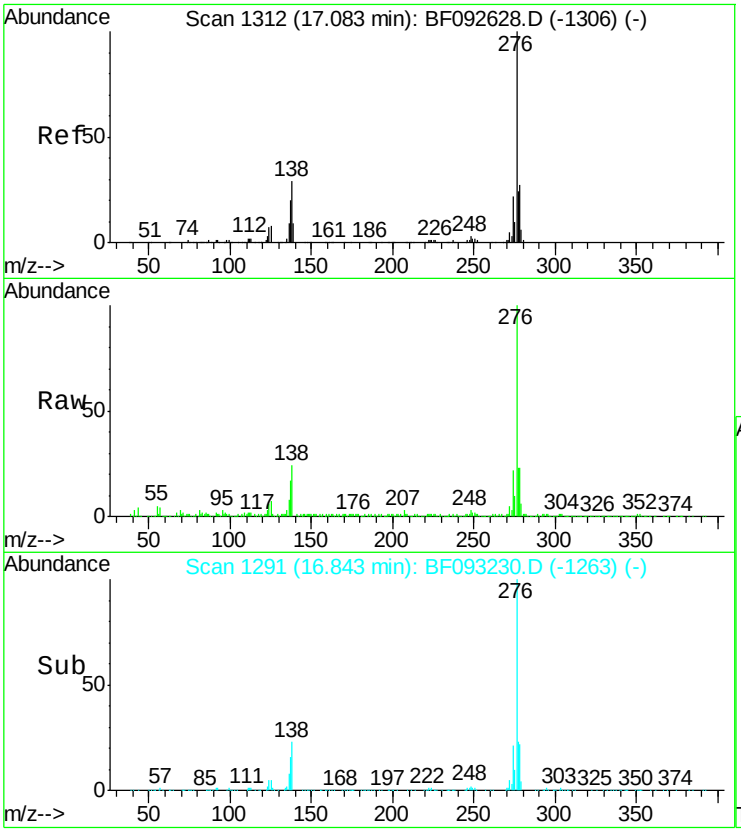


#82
Chrysene
Concen: 43.02 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:228 Resp: 791635

Ion	Ratio	Lower	Upper
228	100		
226	44.1	25.4	38.0#
229	21.9	16.2	24.2



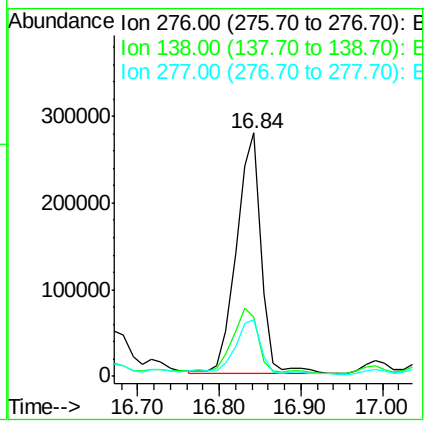


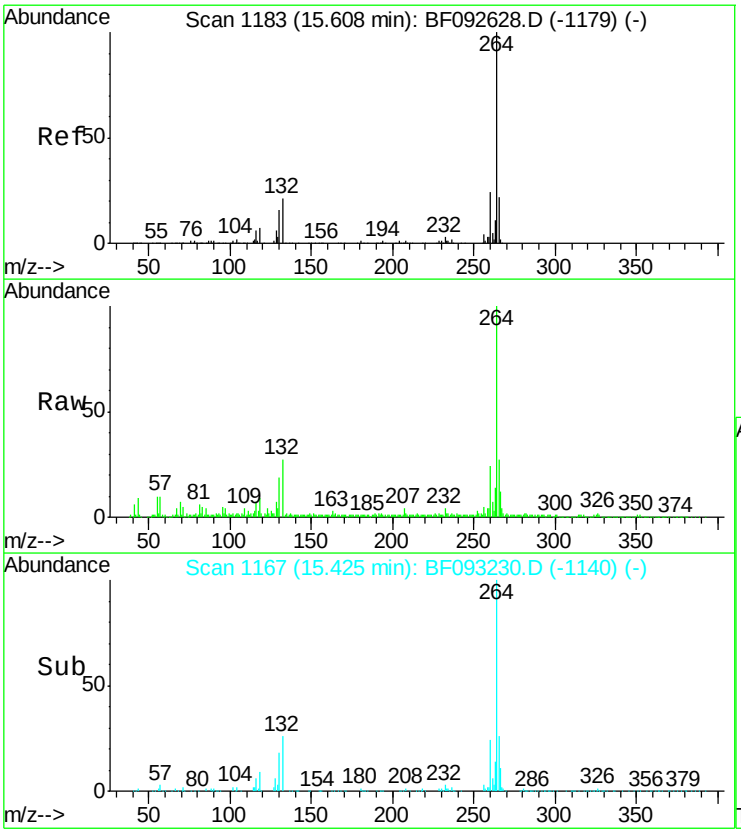
#85
Indeno(1,2,3-cd)pyrene
Concen: 40.53 ng
RT: 16.84 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:276 Resp: 577775

Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.6
277	23.6	20.2	30.4

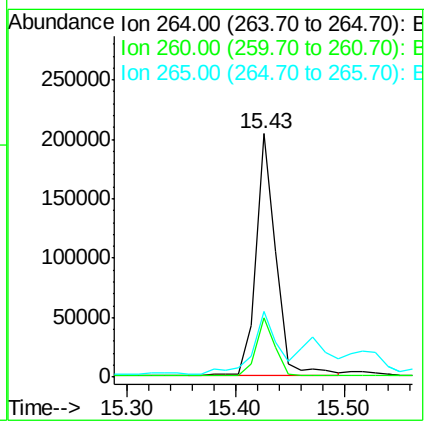


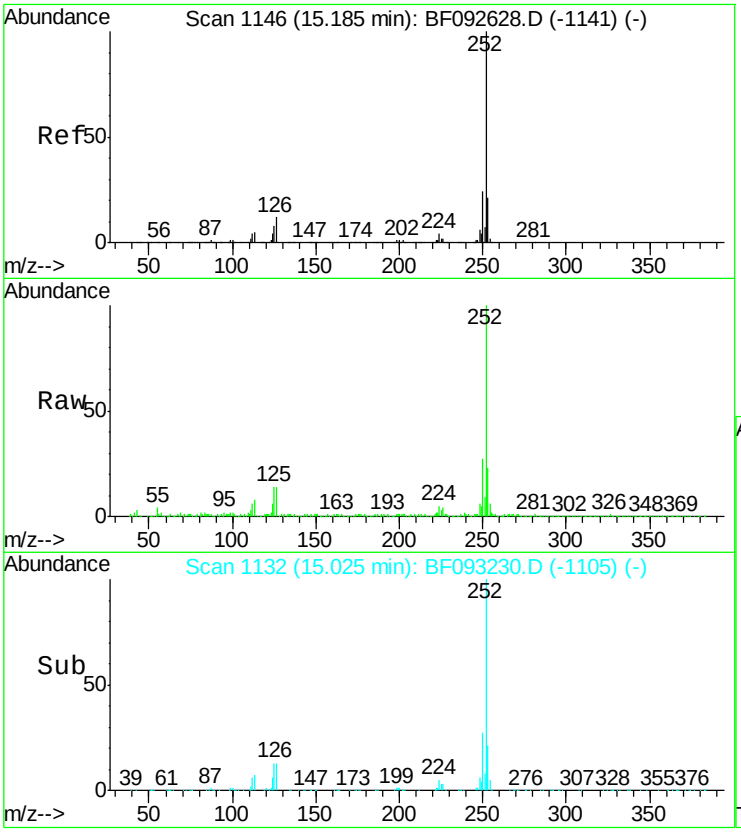


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:264 Resp: 262181

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	27.1	17.4	26.0#



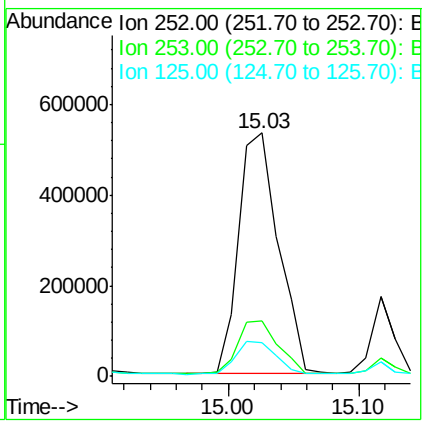


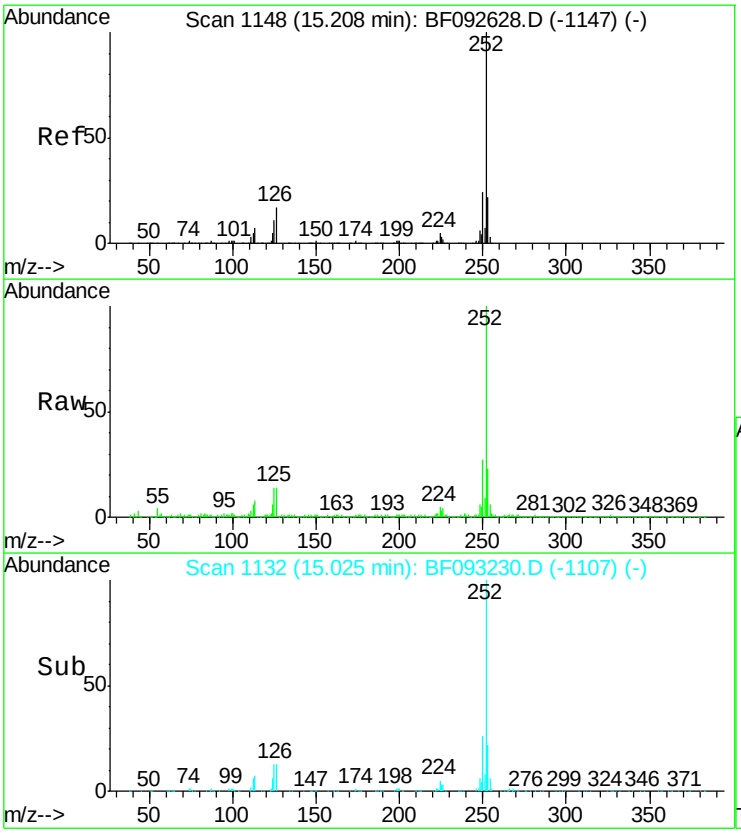
#87
Benzo(b)fluoranthene
Concen: 65.97 ng
RT: 15.03 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:252 Resp: 1138372

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.0	9.8	14.6

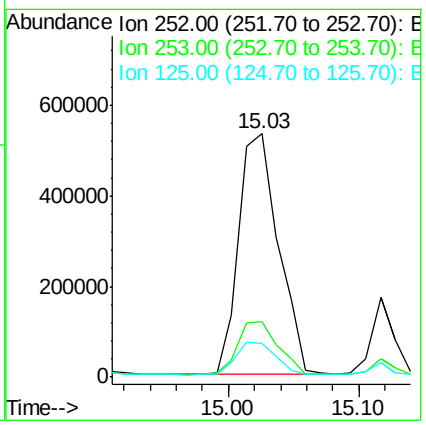


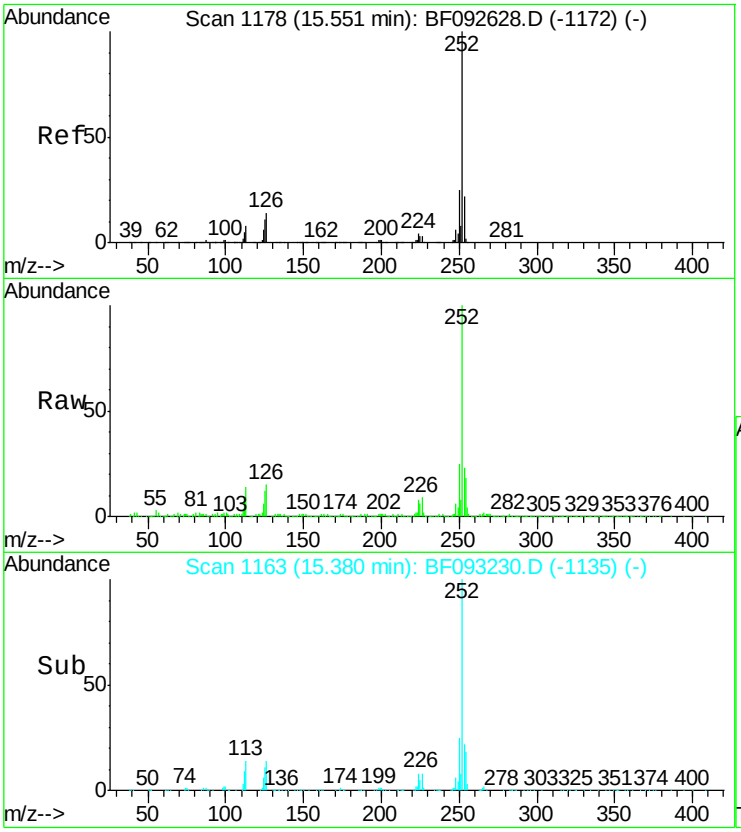


#88
Benzo(k)fluoranthene
Concen: 76.40 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:252 Resp: 1138372

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	14.0	8.9	13.3#



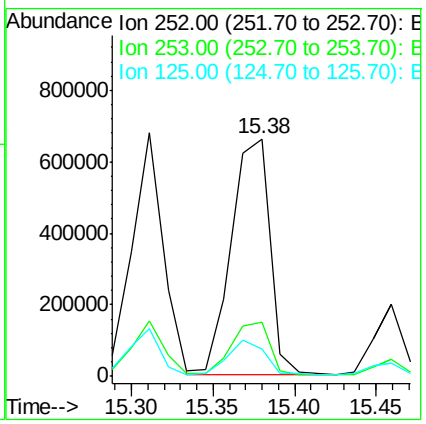


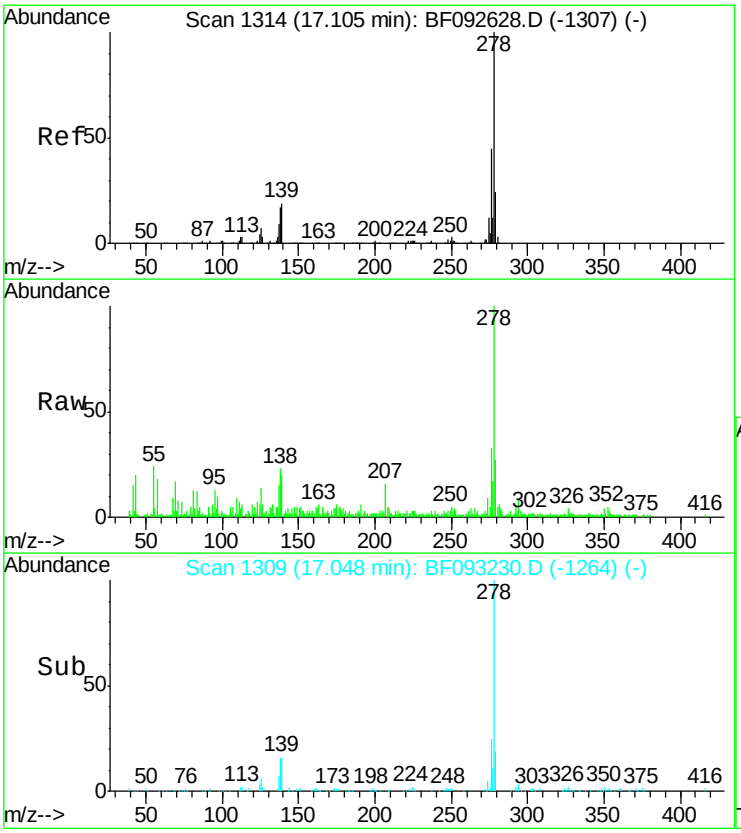
#89
Benzo(a)pyrene
Concen: 72.51 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.02 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:252 Resp: 1082408

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.6	10.0	15.0

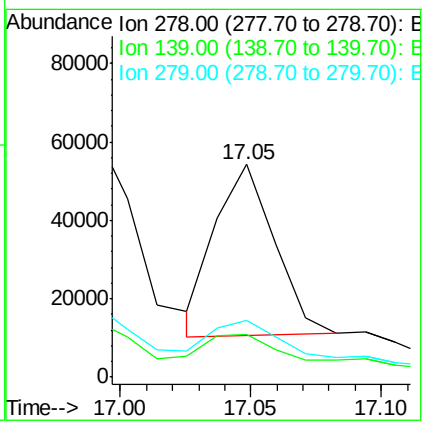


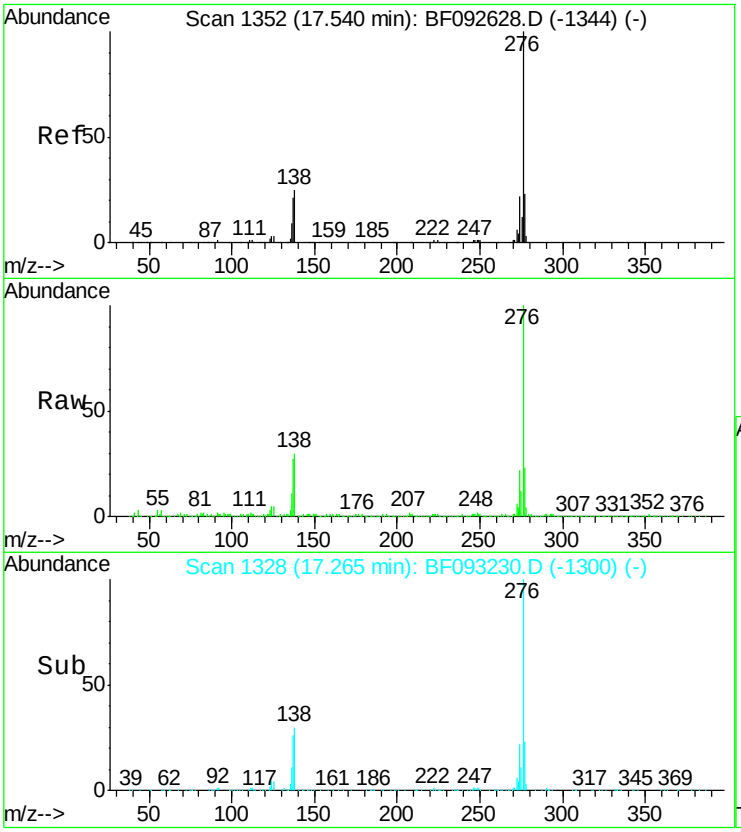


#90
Dibenzo(a,h)anthracene
Concen: 5.76 ng
RT: 17.05 min Scan# 1309
Delta R.T. 0.22 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Tgt Ion:278 Resp: 69517

Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.8	22.2
279	26.8	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 66.74 ng
RT: 17.27 min Scan# 1328
Delta R.T. 0.02 min
Lab File: BF093230.D
Acq: 28 Feb 2017 3:05

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-1

Tgt Ion:276 Resp: 813437

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	30.2	16.0	24.0#