Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF032117\
Data File : BF093825.D
Acq On : 22 Mar 2017 9:08
Operator : SJ/MA
Sample : I2318-03DL 100X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Mar 22 14:40:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	201536	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	832458	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	376549	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	570063	20.00	ng		0.00
75) Chrysene-d12	13.97	240	377560	20.00	ng		0.00
86) Perylene-d12	15.37	264	358981	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	11579	1.00	ng		-0.01
7) Phenol-d6	6.45	99	16524	1.16	ng		-0.01
23) Nitrobenzene-d5	7.38	82	9019	0.61	ng		-0.01
41) 2,4,6-Tribromophenol	10.64	330	2038	0.70	ng		-0.01
44) 2-Fluorobiphenyl	9.19	172	21716	0.97	ng		0.00
78) Terphenyl-d14	12.92	244	14083	0.76	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.14	128	1661186	42.99	ng		100
33) 4-Chloroaniline	8.14	127	225060	13.55	ng	#	34
37) 2-Methylnaphthalene	8.82	142	420910	16.69	ng		98
45) 1,1'-Biphenyl	9.28	154	99216	3.24	ng		94
48) Acenaphthylene	9.72	152	321462	8.42	ng		98
50) 2,6-Dinitrotoluene	9.86	165	58521	9.95	ng	#	34
51) Acenaphthene	9.90	154	107476	4.71	ng		95
54) Dibenzofuran	10.07	168	109874	3.58	ng	#	88
57) Fluorene	10.40	166	333077	14.17	ng		99
70) Phenanthrene	11.36	178	1182685	38.96	ng		99
71) Anthracene	11.42	178	345680	11.06	ng		97
72) Carbazole	11.57	167	61957	2.00	ng		99
74) Fluoranthene	12.55	202	574118	18.40	ng		96
77) Pyrene	12.78	202	748959	23.84	ng		99
80) Benzo(a)anthracene	13.99	228	153366	6.48	ng		94
82) Chrysene	13.99	228	151890	6.43	ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.72	276	60255	3.11	ng		98
87) Benzo(b)fluoranthene	14.97	252	218603	9.03	ng	#	96
88) Benzo(k)fluoranthene	14.97	252	218603	12.23	ng		98
89) Benzo(a)pyrene	15.32	252	170397	8.68	ng		97
91) Benzo(g,h,i)perylene	17.12	276	71443	4.42	ng		99

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

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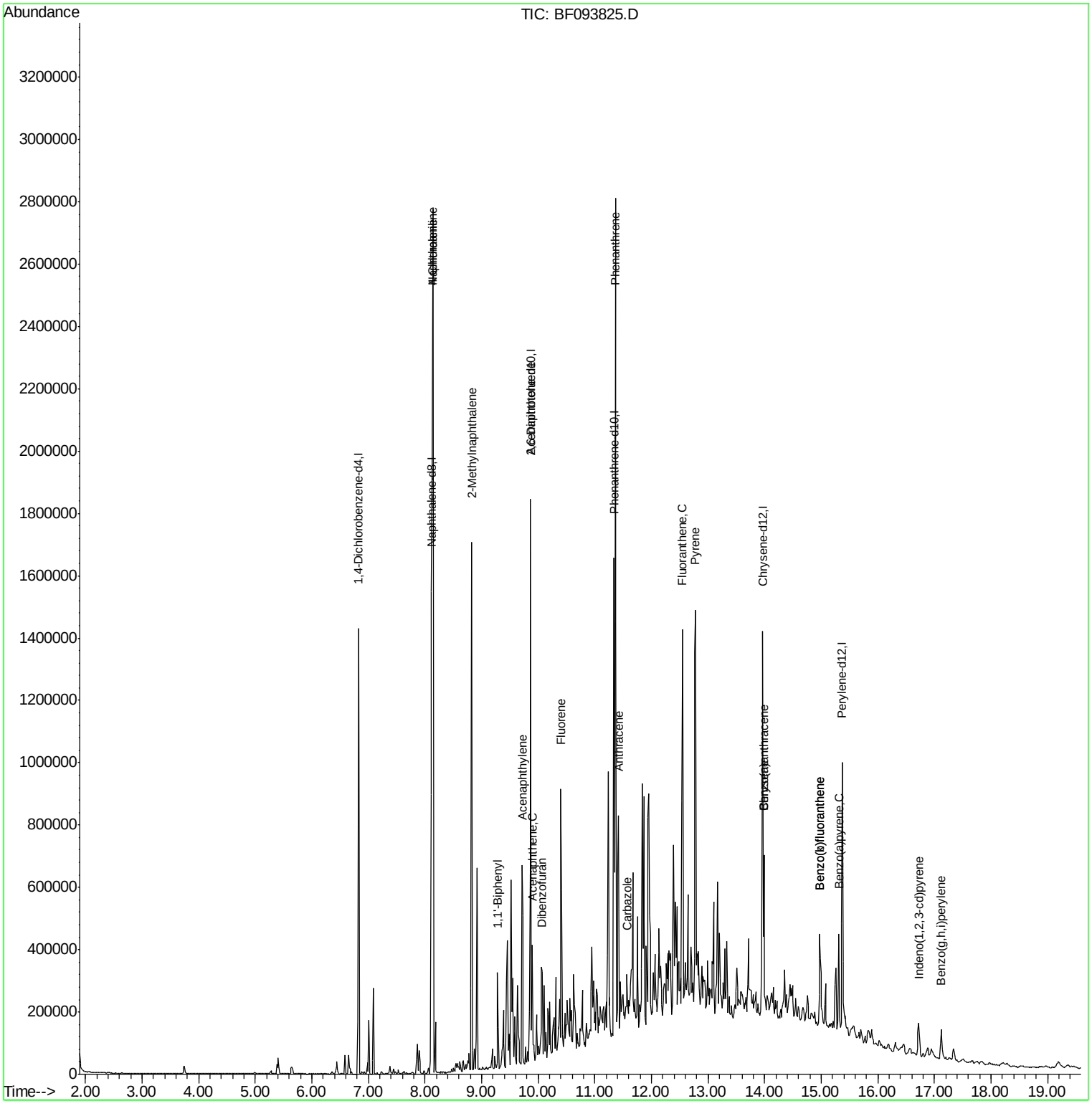
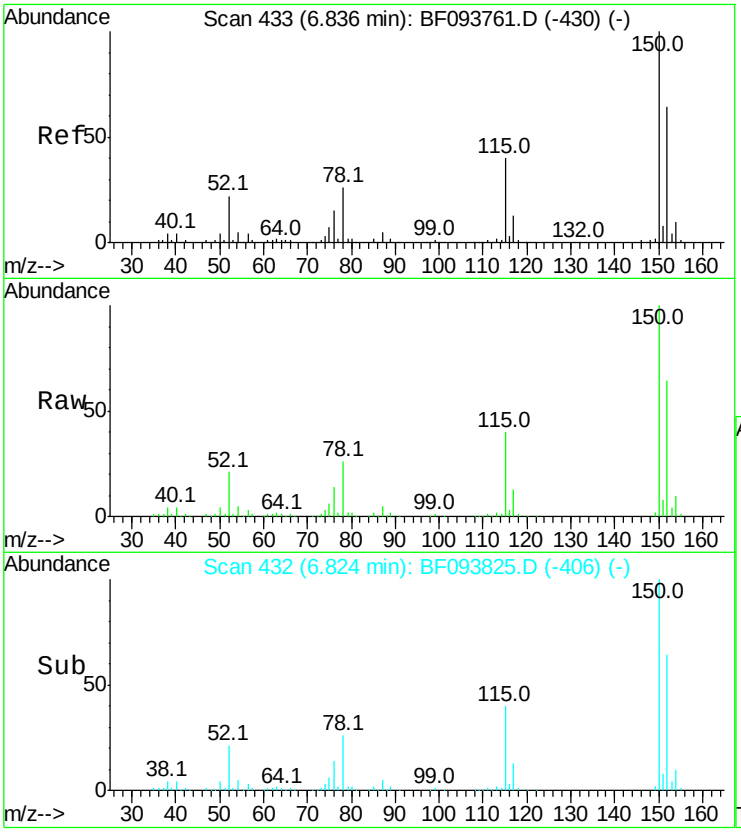


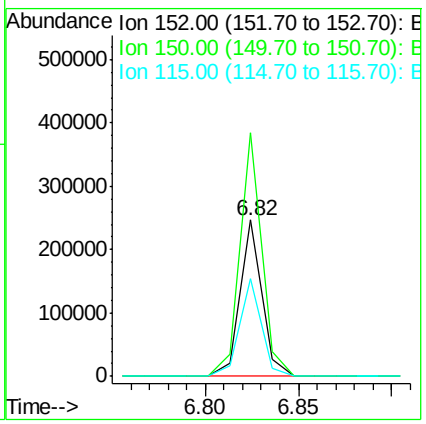


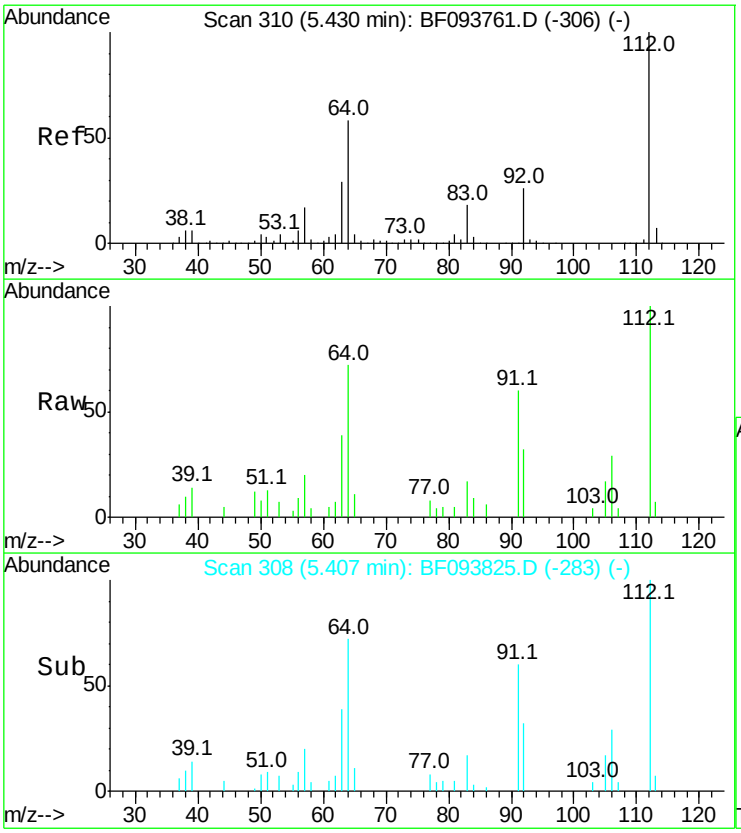
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 201536

Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	62.8	52.2	78.2

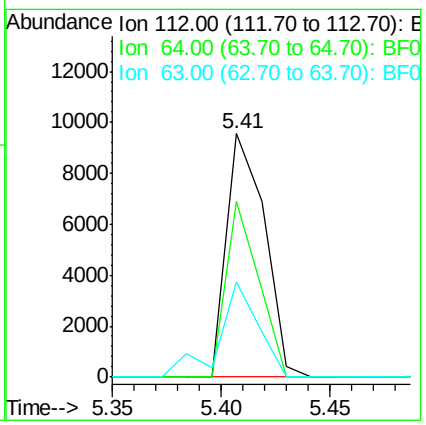


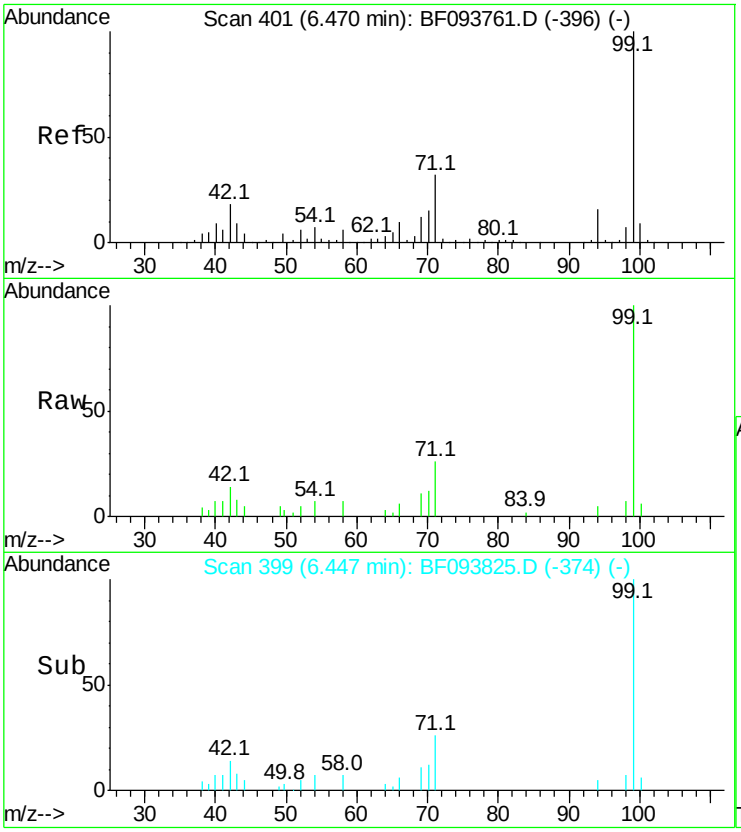


#5
2-Fluorophenol
Concen: 1.00 ng
RT: 5.41 min Scan# 308
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:112 Resp: 11579

Ion	Ratio	Lower	Upper
112	100		
64	72.1	46.0	69.0#
63	39.1	23.4	35.0#



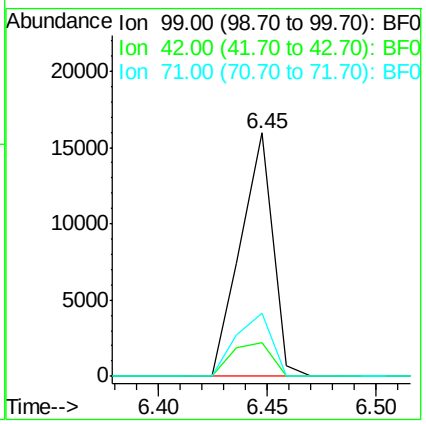


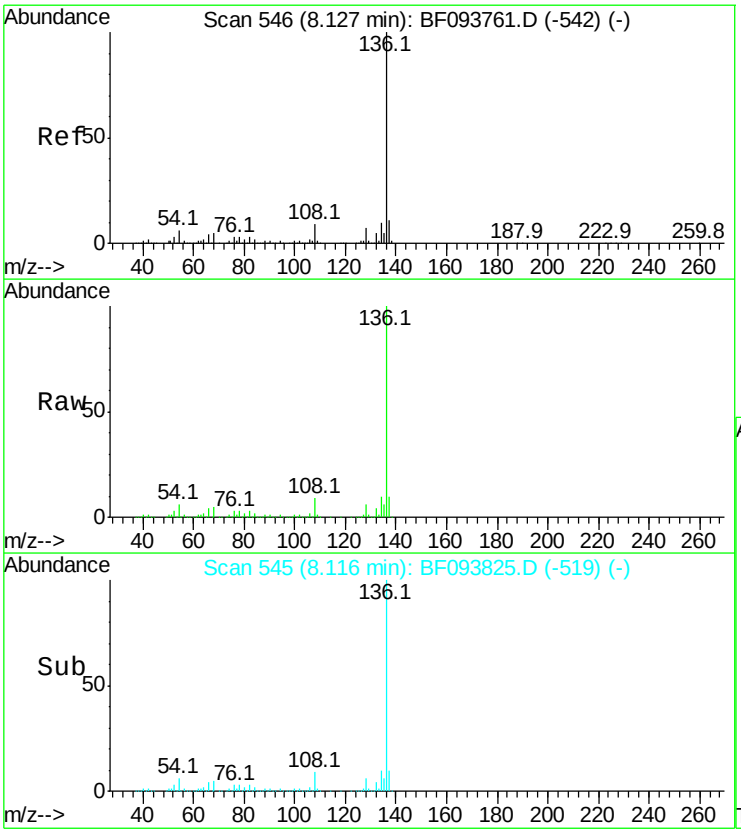
#7
Phenol-d6
Concen: 1.16 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 16524

Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.5	20.3
71	25.9	24.5	36.7

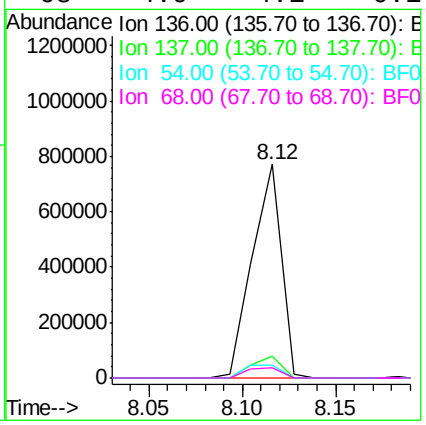


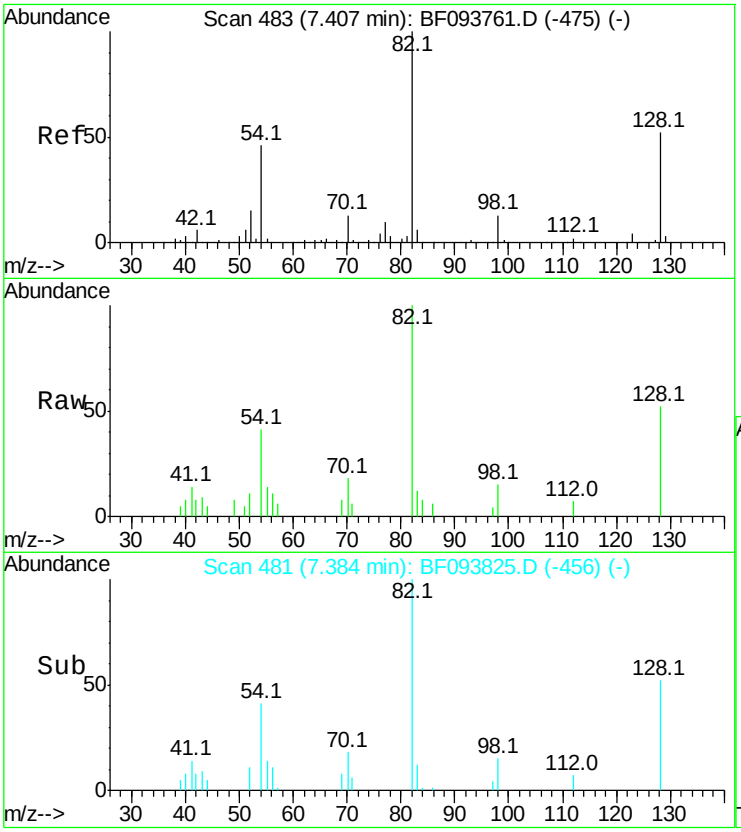


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:136 Resp: 832458

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	5.8	4.9	7.3
68	4.9	4.1	6.1



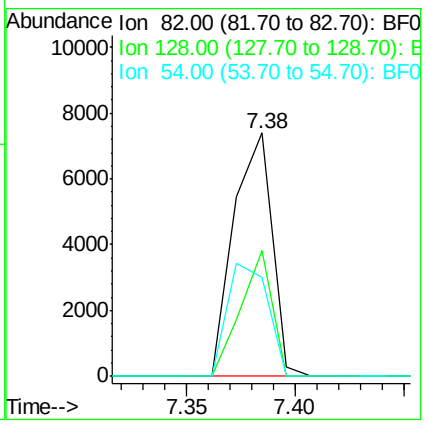


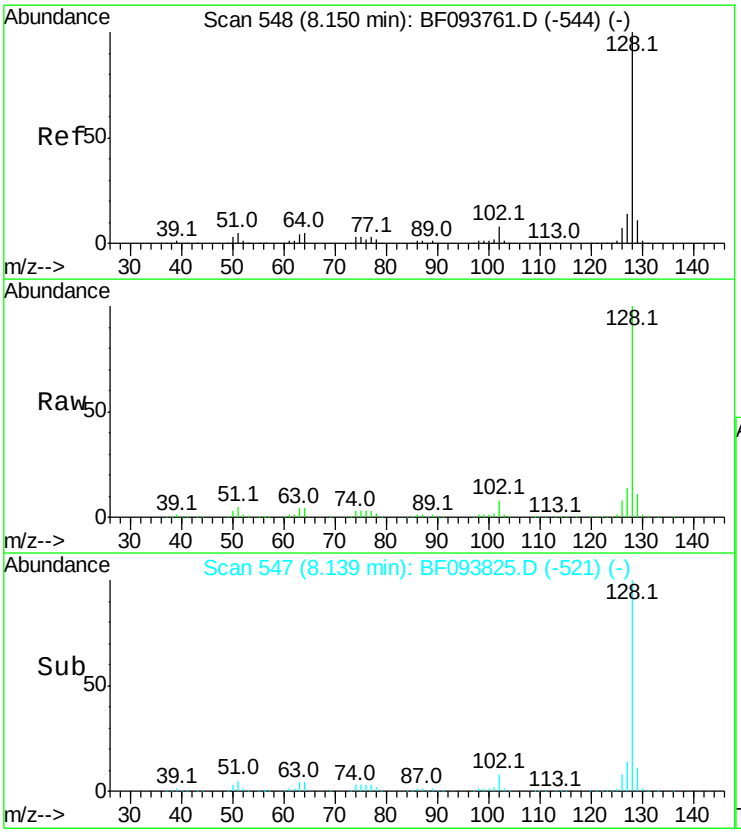
#23
Nitrobenzene-d5
Concen: 0.61 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 9019

Ion	Ratio	Lower	Upper
82	100		
128	51.8	34.0	51.0#
54	40.7	42.2	63.2#

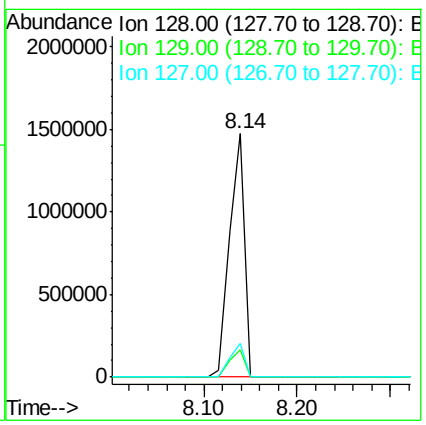


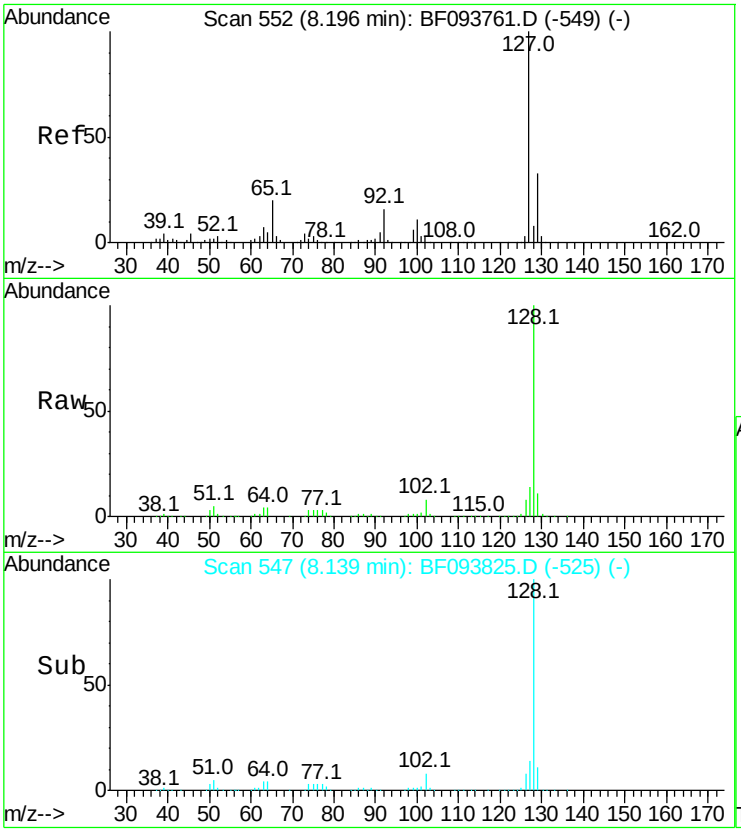


#31
Naphthalene
Concen: 42.99 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:128 Resp: 1661186

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.6	10.8	16.2



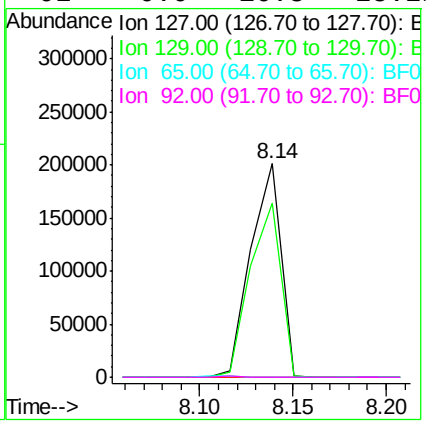


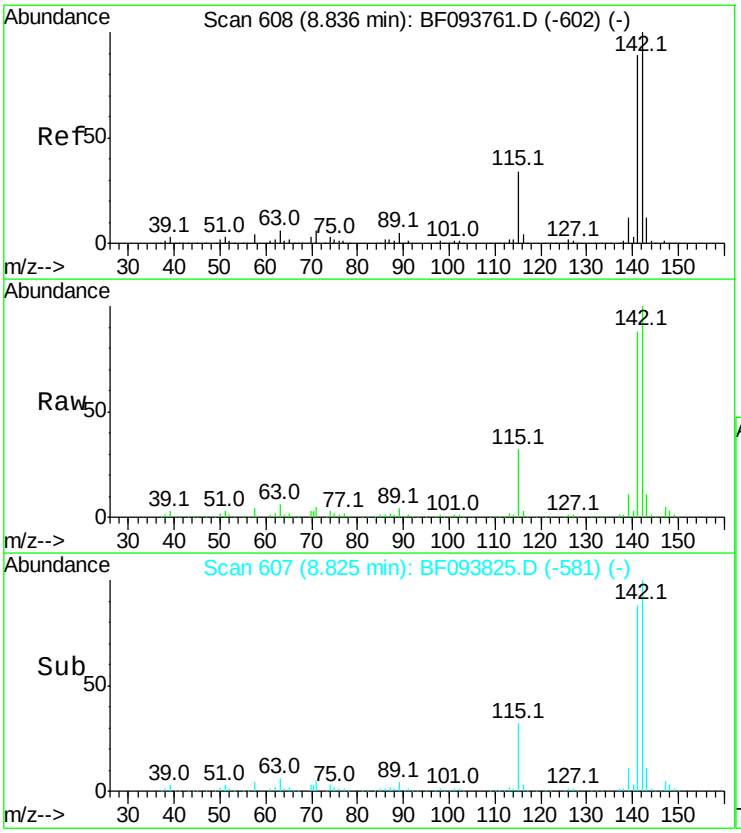
#33
4-Chloroaniline
Concen: 13.55 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.05 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 225060

Ion	Ratio	Lower	Upper
127	100		
129	81.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

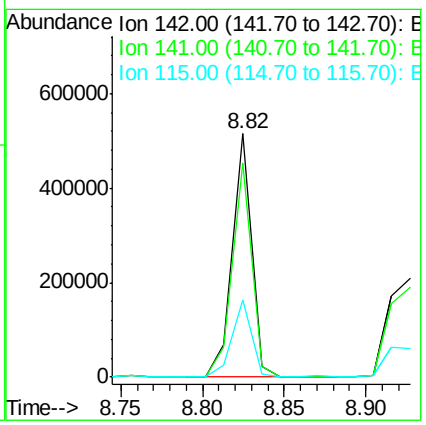


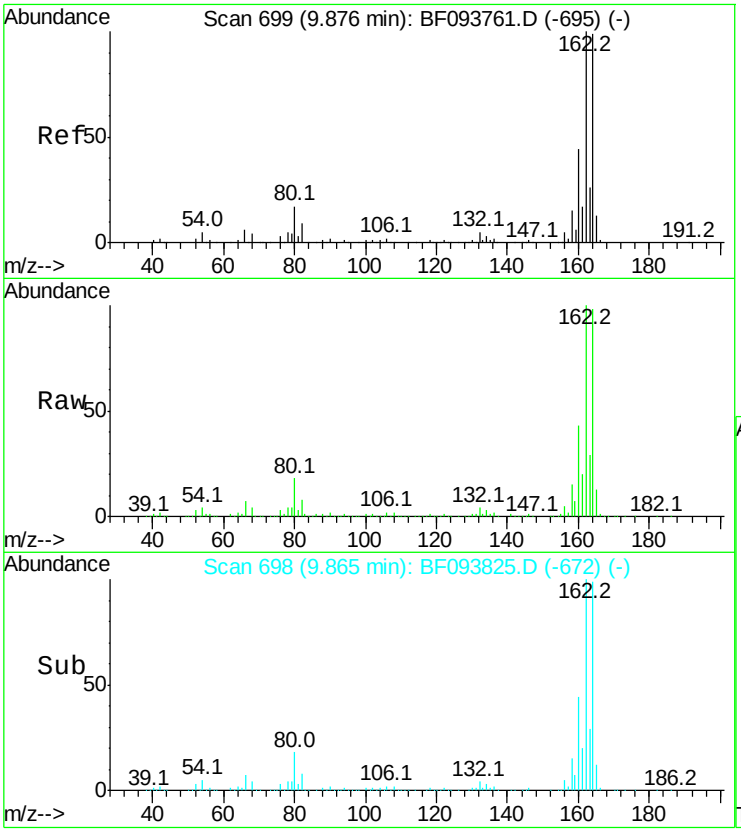


#37
2-Methylnaphthalene
Concen: 16.69 ng
RT: 8.82 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:142 Resp: 420910

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	31.7	27.1	40.7



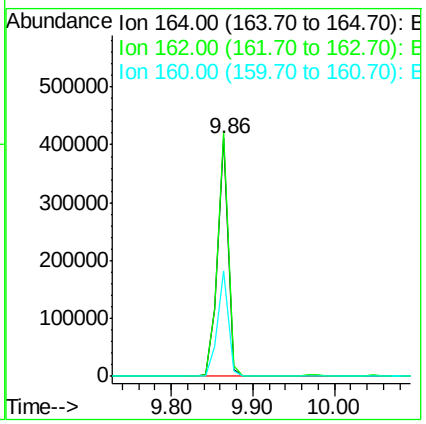


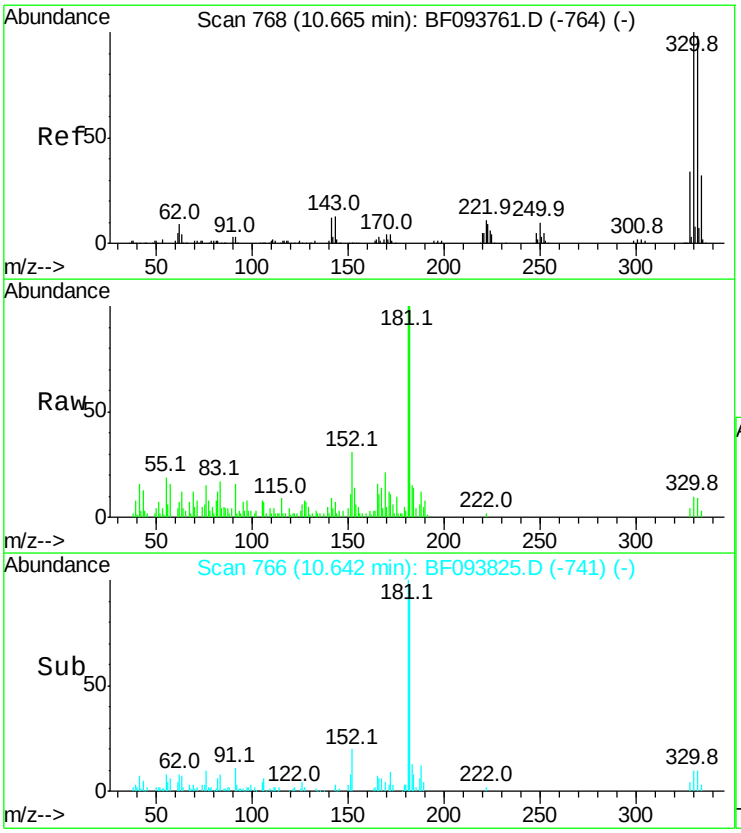
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 376549

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	44.4	36.2	54.2

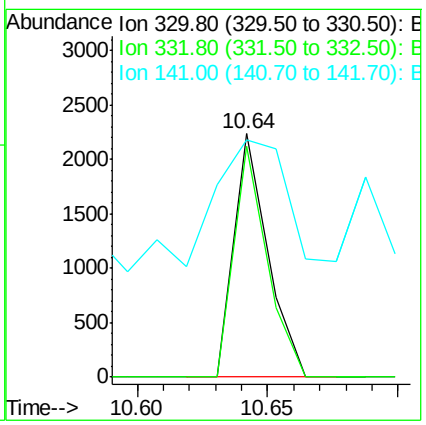


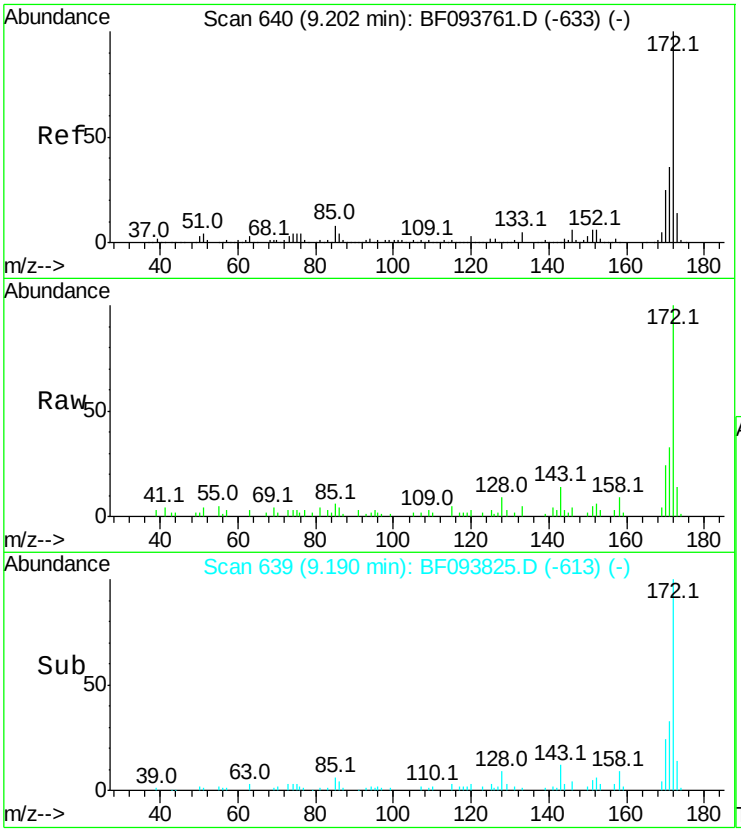


#41
2,4,6-Tribromophenol
Concen: 0.70 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:330 Resp: 2038

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.6	115.0
141	127.6	31.4	47.2#



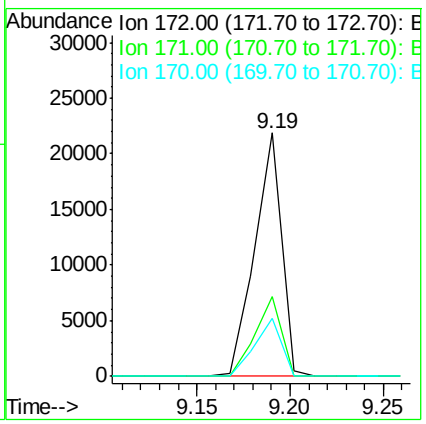


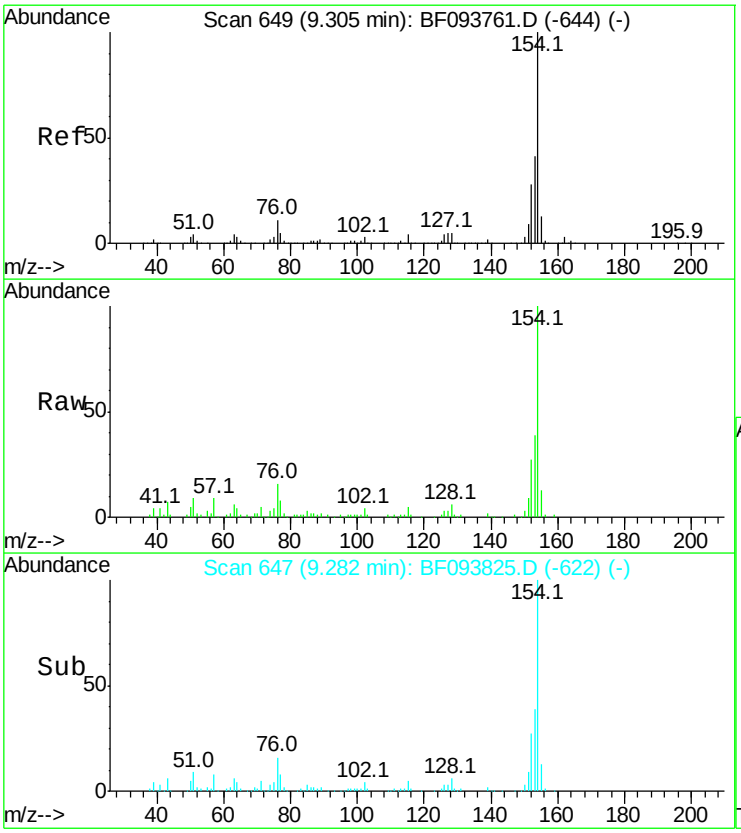
#44
2-Fluorobiphenyl
Concen: 0.97 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 21716

Ion	Ratio	Lower	Upper
172	100		
171	32.8	29.6	44.4
170	23.9	19.8	29.8

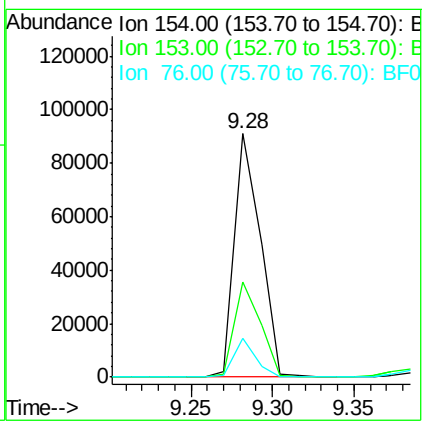


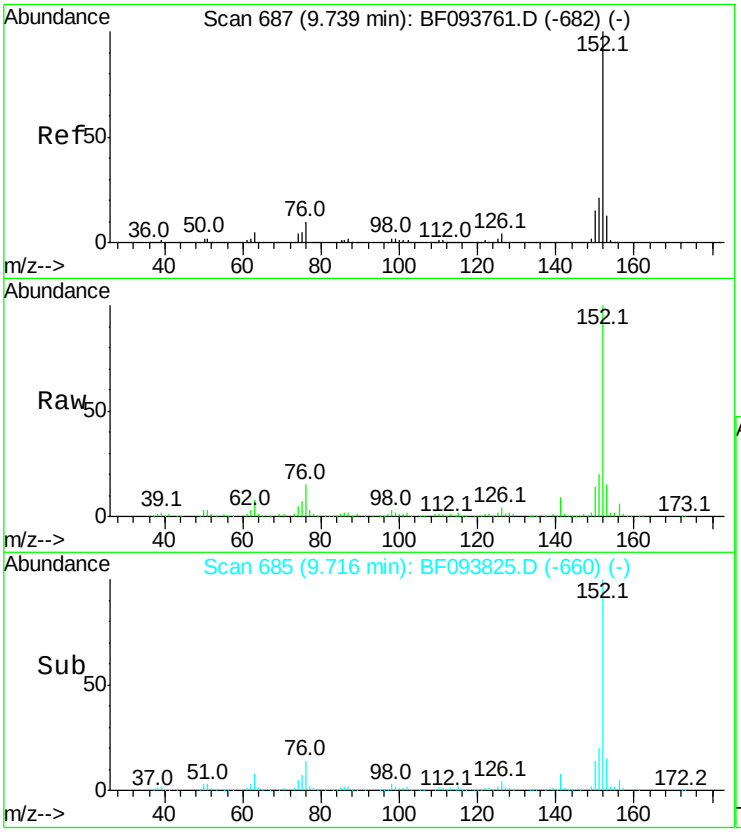


#45
1,1'-Biphenyl
Concen: 3.24 ng
RT: 9.28 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:154 Resp: 99216

Ion	Ratio	Lower	Upper
154	100		
153	39.1	21.2	61.2
76	16.2	0.0	29.9



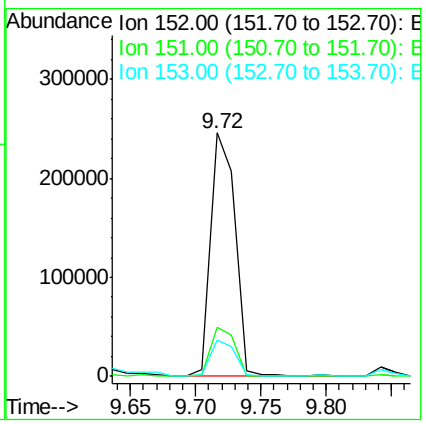


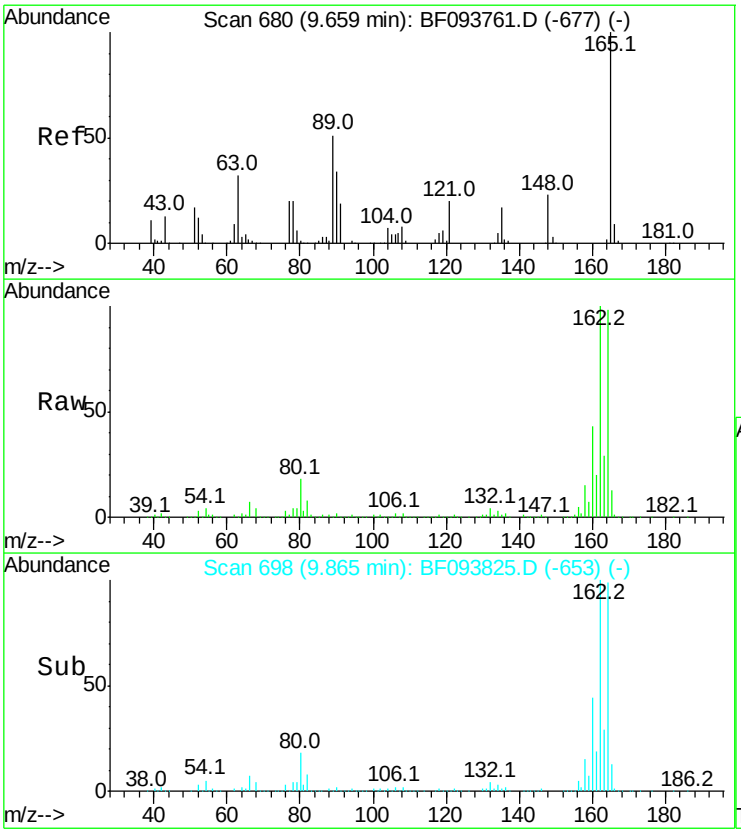
#48
Acenaphthylene
Concen: 8.42 ng
RT: 9.72 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 321462

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	14.9	10.8	16.2

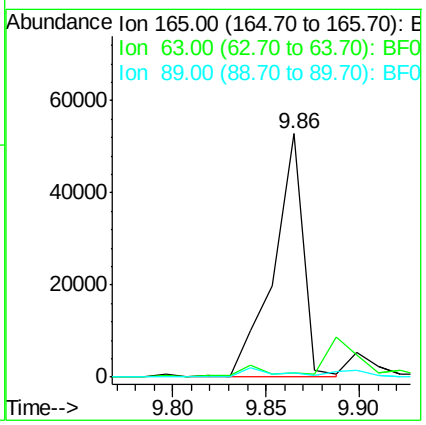


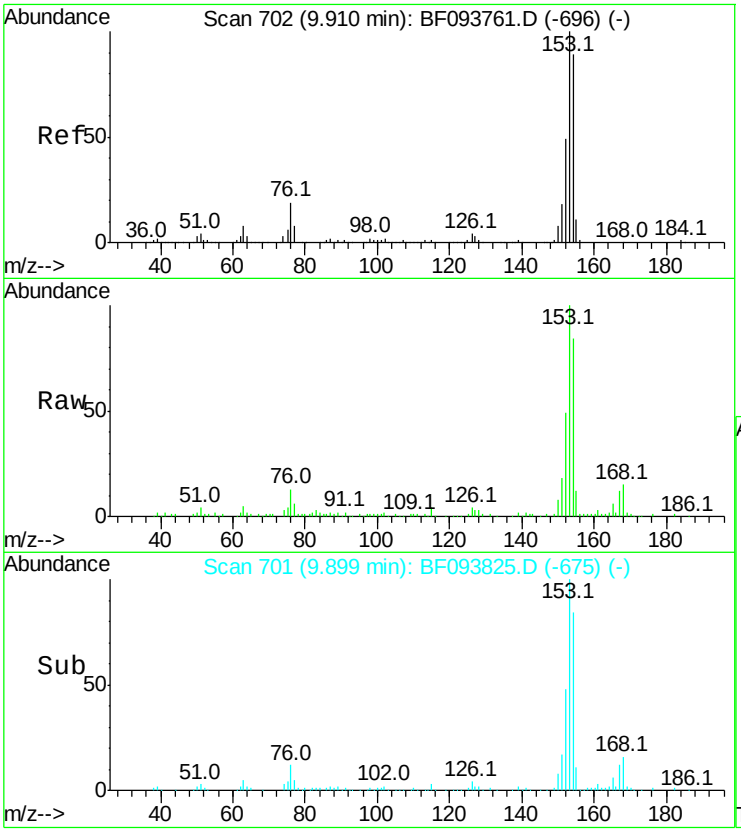


#50
2,6-Dinitrotoluene
Concen: 9.95 ng
RT: 9.86 min Scan# 698
Delta R.T. 0.22 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:165 Resp: 58521

Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.6	37.1	55.7#



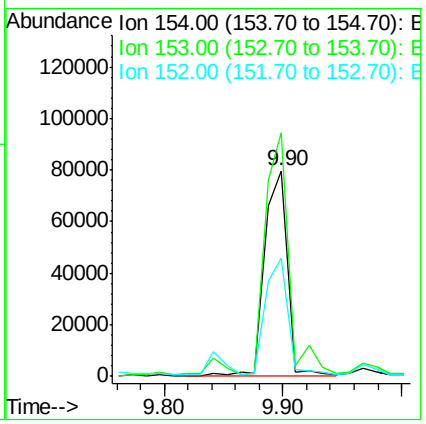


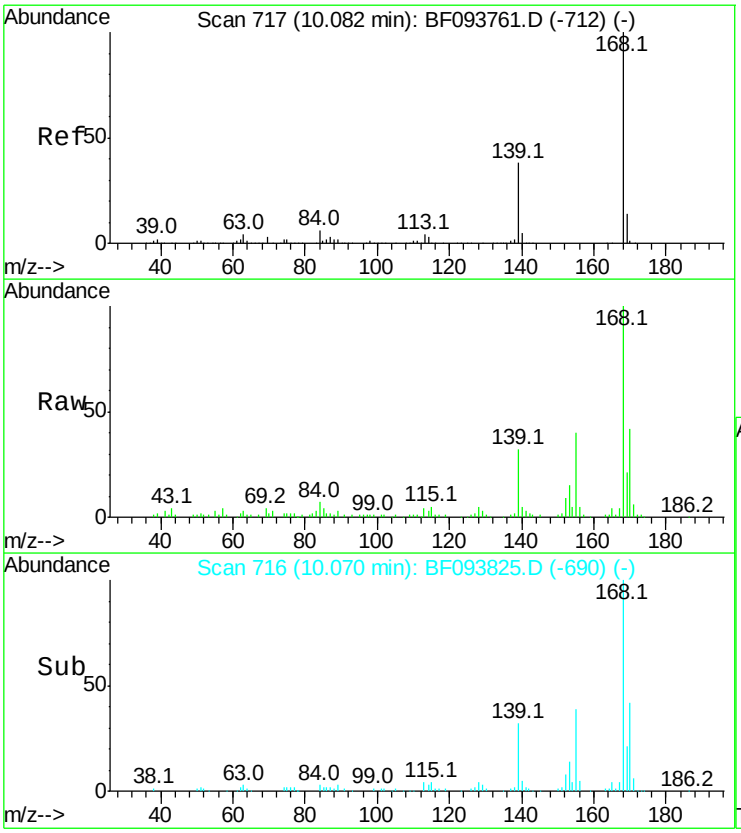
#51
Acenaphthene
Concen: 4.71 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 107476

Ion	Ratio	Lower	Upper
154	100		
153	118.5	90.5	135.7
152	57.5	43.6	65.4

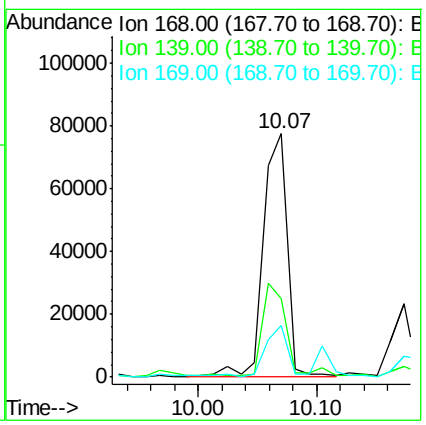


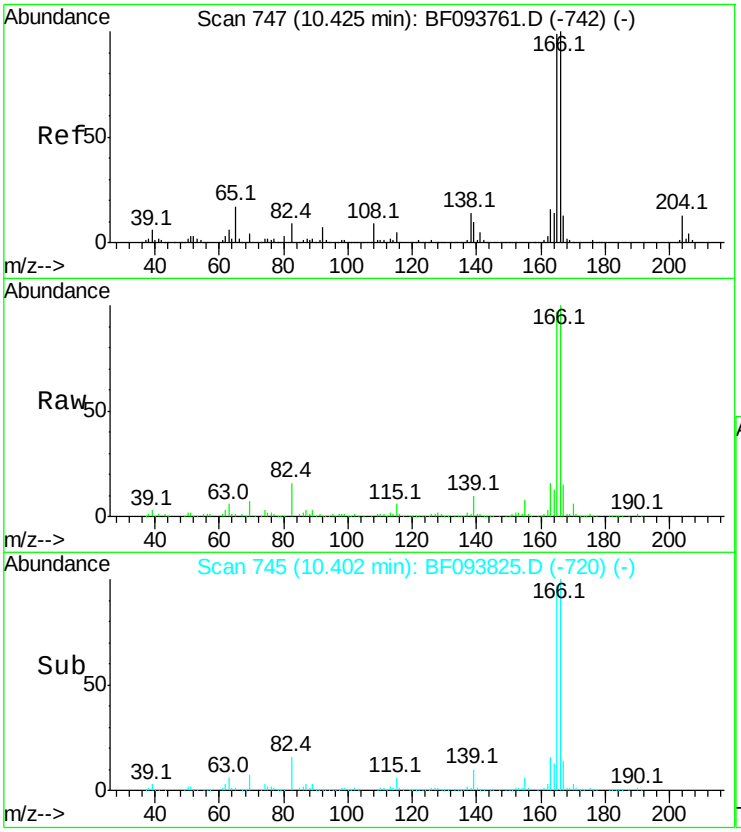


#54
Dibenzofuran
Concen: 3.58 ng
RT: 10.07 min Scan# 716
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:168 Resp: 109874

Ion	Ratio	Lower	Upper
168	100		
139	32.2	30.6	45.8
169	21.1	10.8	16.2#



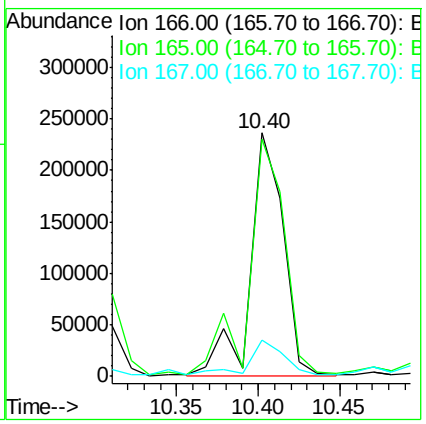


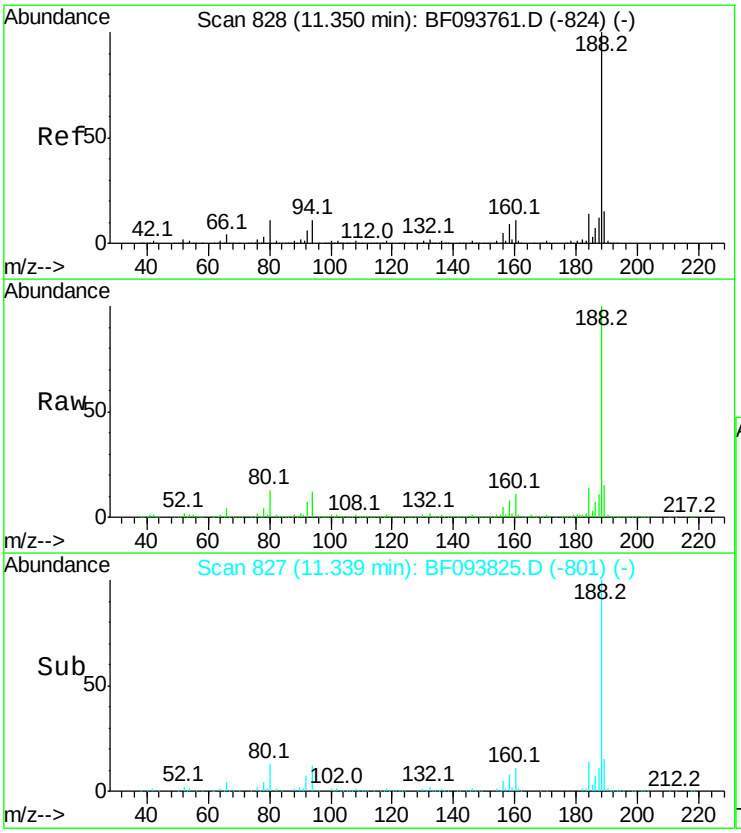
#57
Fluorene
Concen: 14.17 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 333077

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	14.8	10.6	16.0

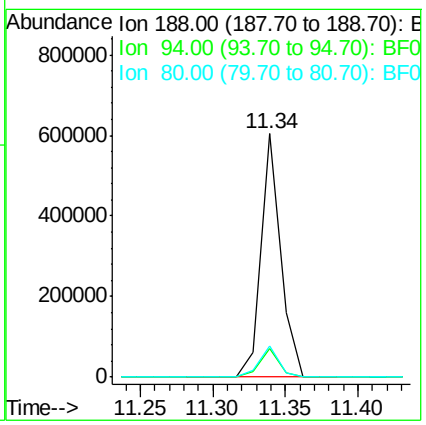


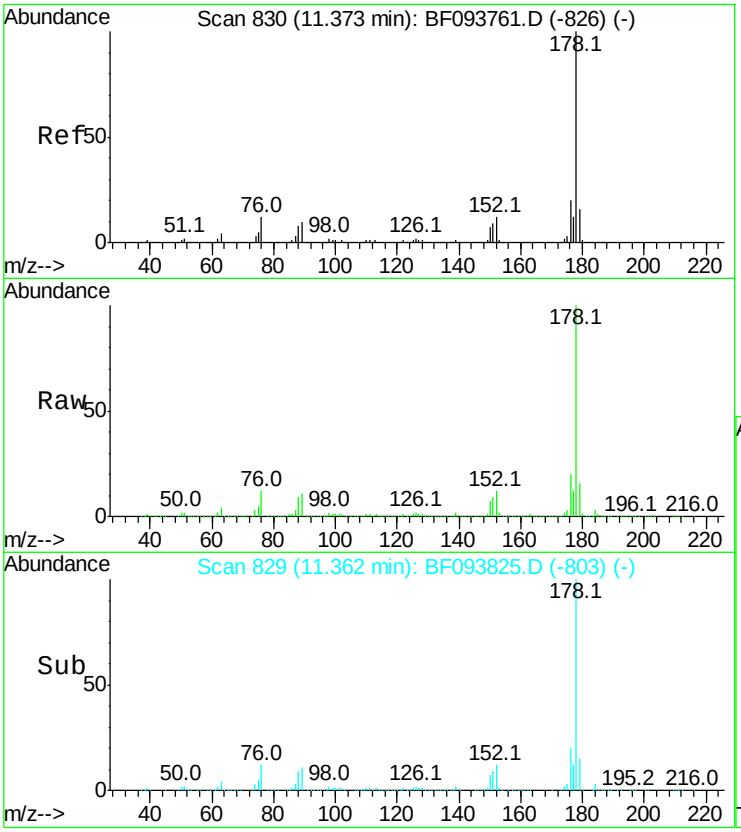


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:188 Resp: 570063

Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.7	10.2	15.2



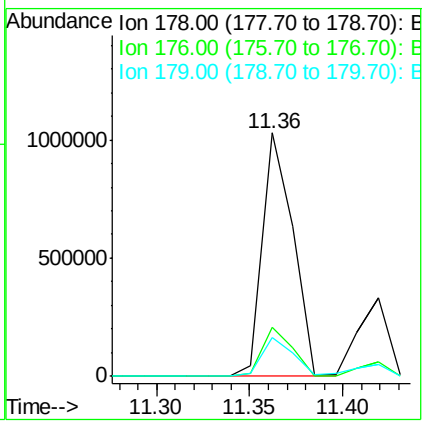


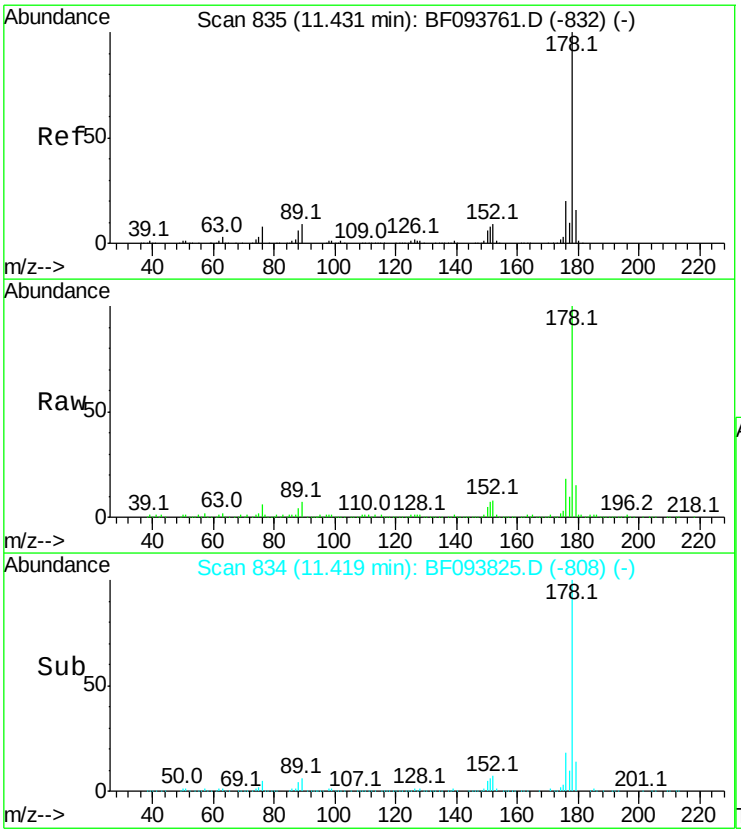
#70
Phenanthrene
Concen: 38.96 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1182685

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.9	12.6	19.0

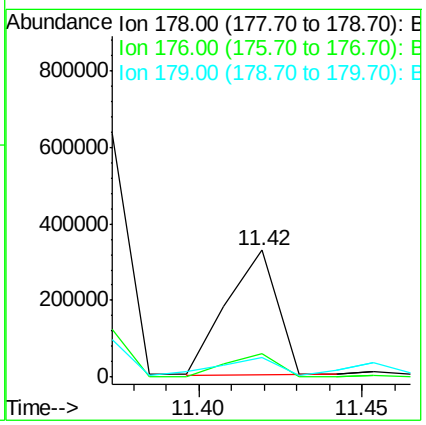


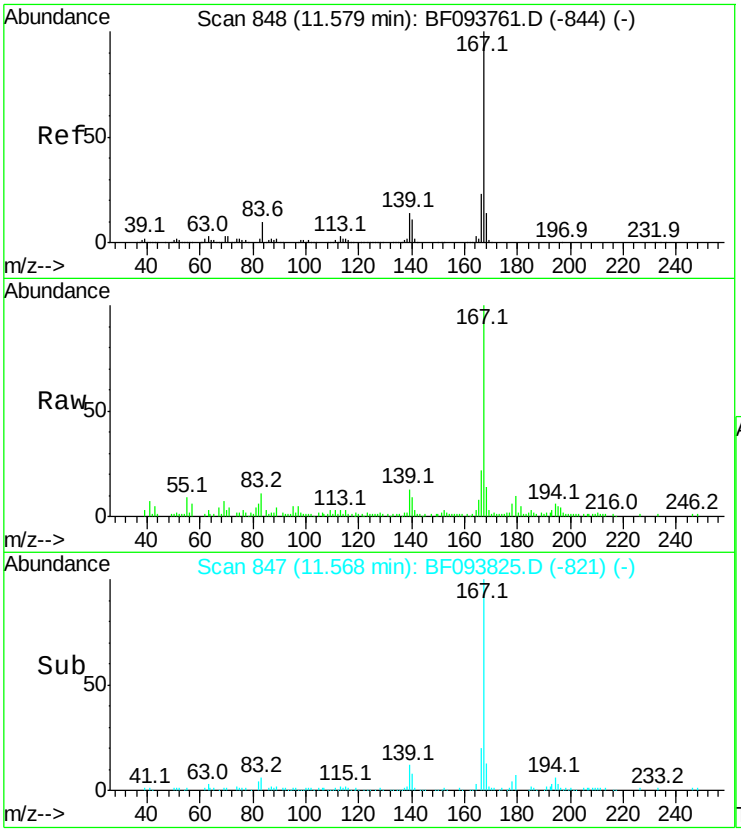


#71
Anthracene
Concen: 11.06 ng
RT: 11.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:178 Resp: 345680

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.2	12.7	19.1

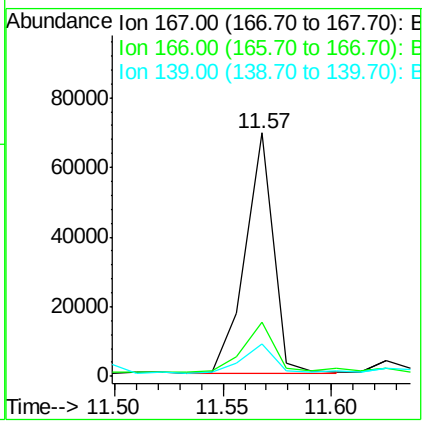




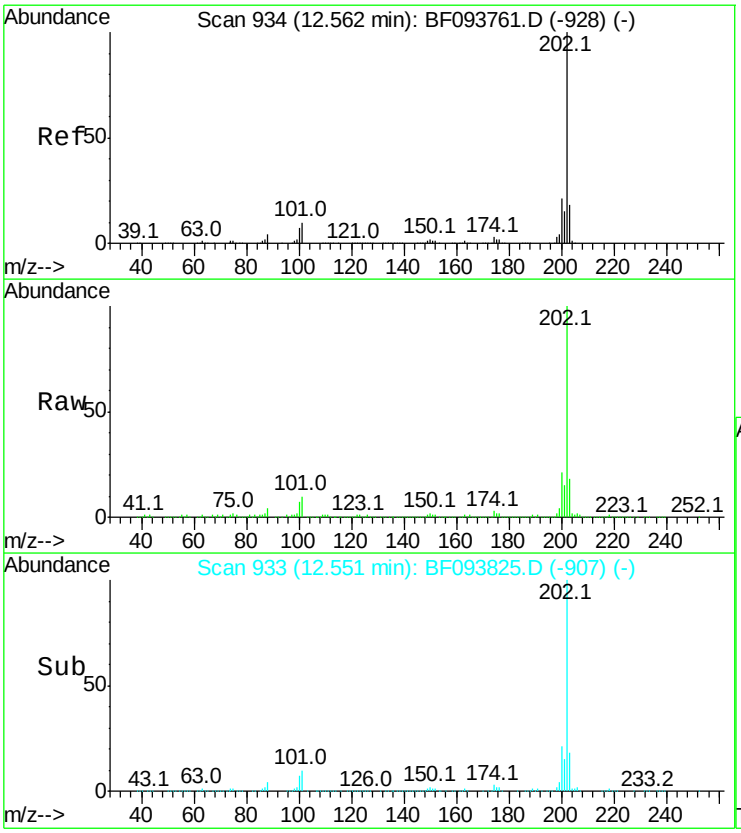
#72
Carbazole
Concen: 2.00 ng
RT: 11.57 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:167 Resp: 61957

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.1	27.1
139	13.2	11.7	17.5



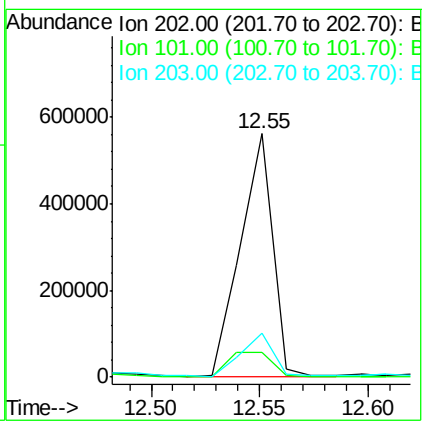
Instrument :
BNA_F
ClientSampleId :

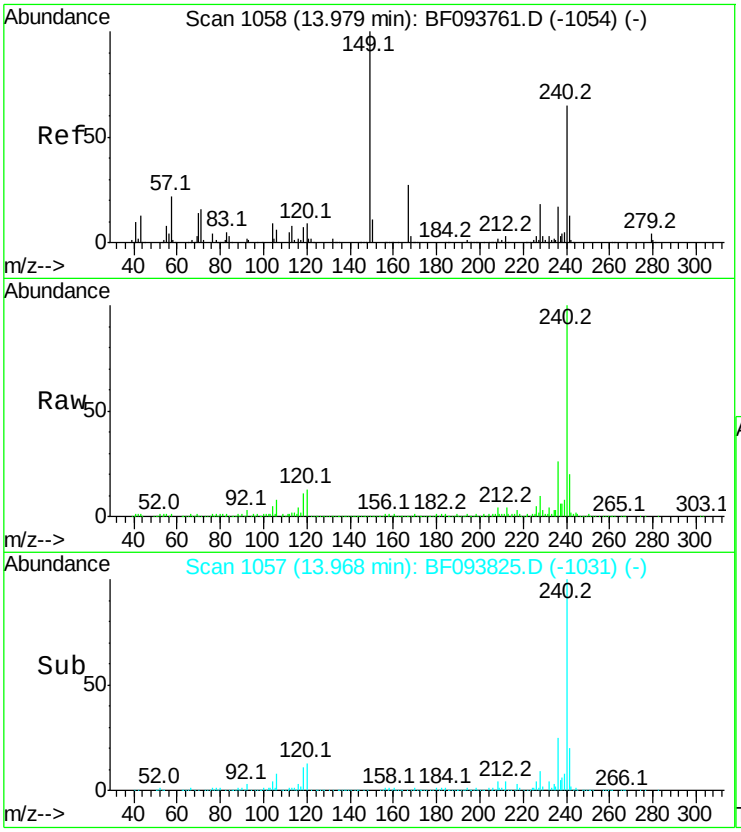


#74
Fluoranthene
Concen: 18.40 ng
RT: 12.55 min Scan# 933
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:202 Resp: 574118

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	33.2
203	17.8	0.0	38.1



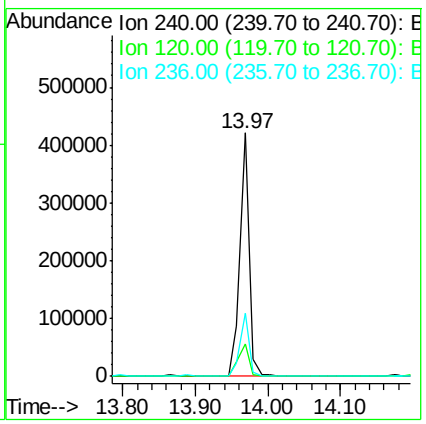


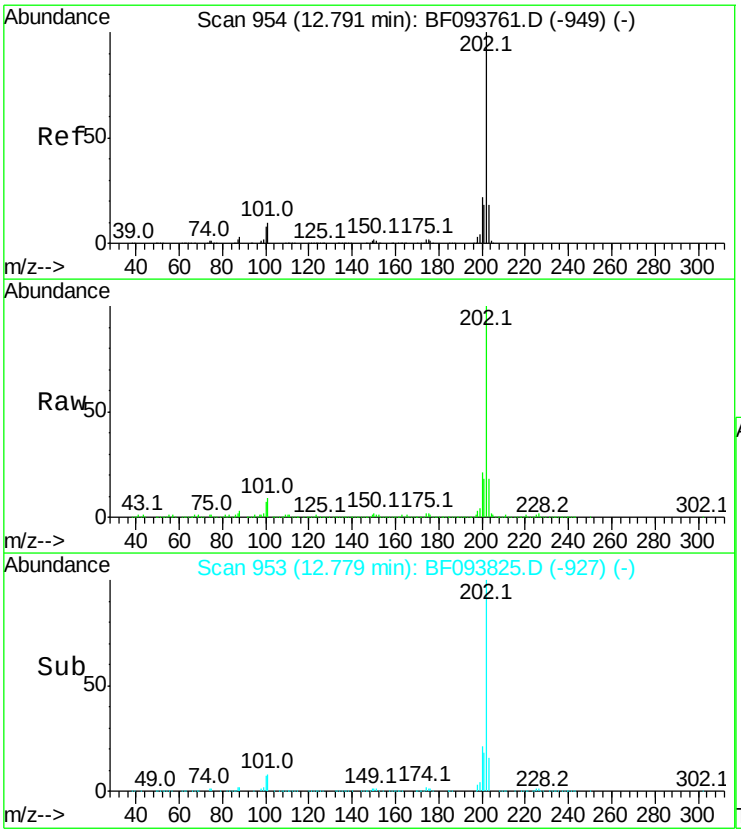
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 377560

Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	25.9	20.5	30.7

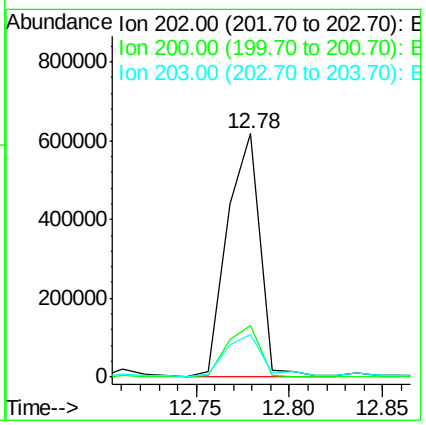


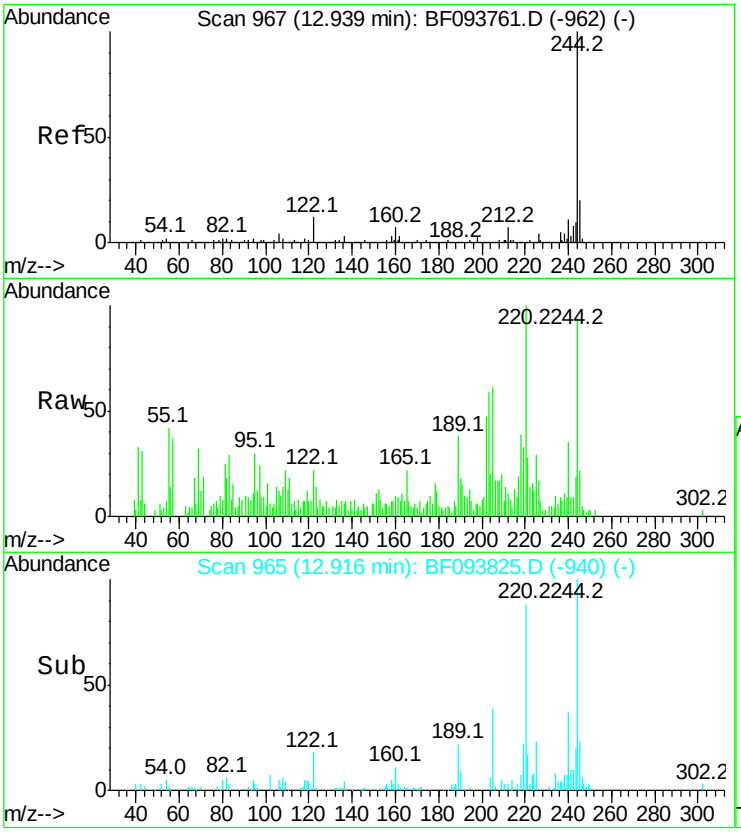


#77
Pyrene
Concen: 23.84 ng
RT: 12.78 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:202 Resp: 748959

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.6	14.4	21.6



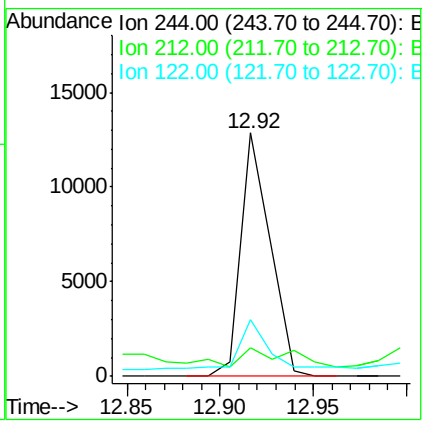


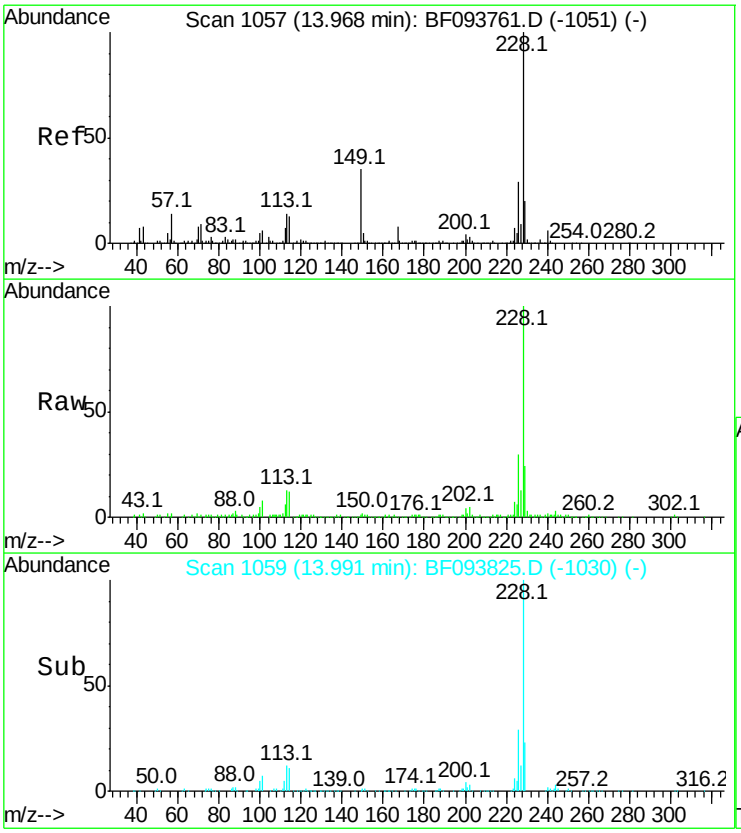
#78
Terphenyl-d14
Concen: 0.76 ng
RT: 12.92 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 14083

Ion	Ratio	Lower	Upper
244	100		
212	11.8	6.0	9.0#
122	23.4	10.3	15.5#

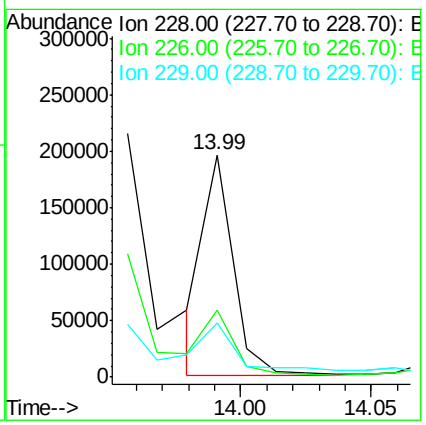


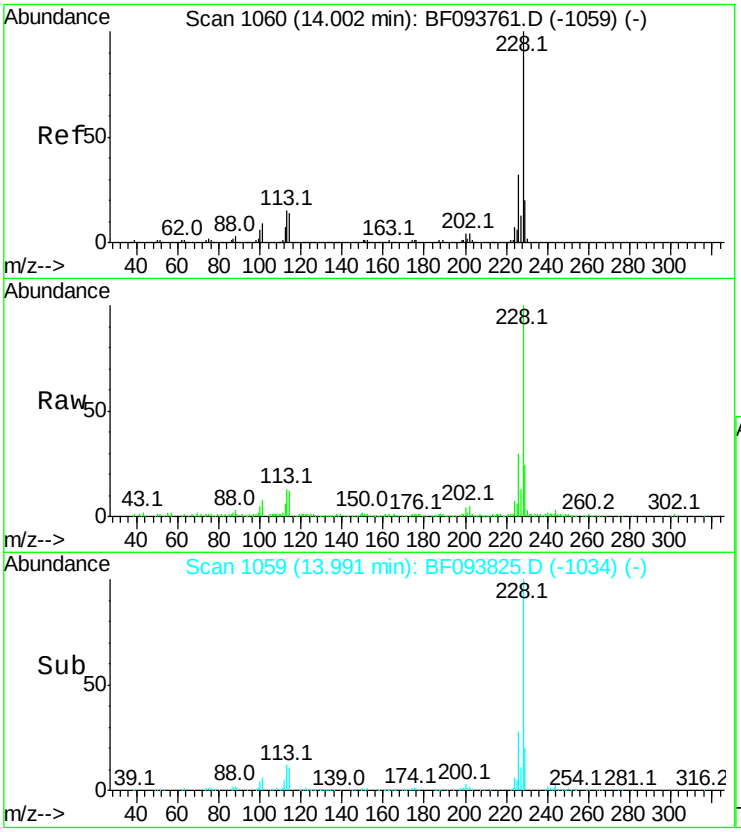


#80
Benzo(a)anthracene
Concen: 6.48 ng
RT: 13.99 min Scan# 1059
Delta R.T. 0.03 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:228 Resp: 153366

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	24.2	16.3	24.5



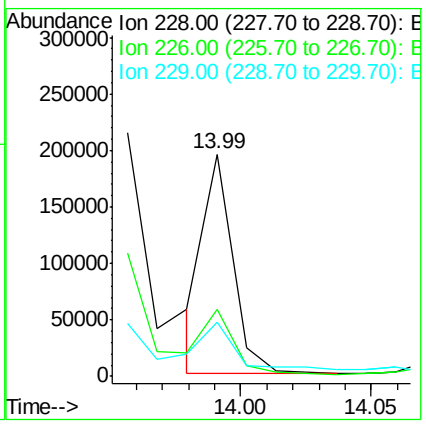


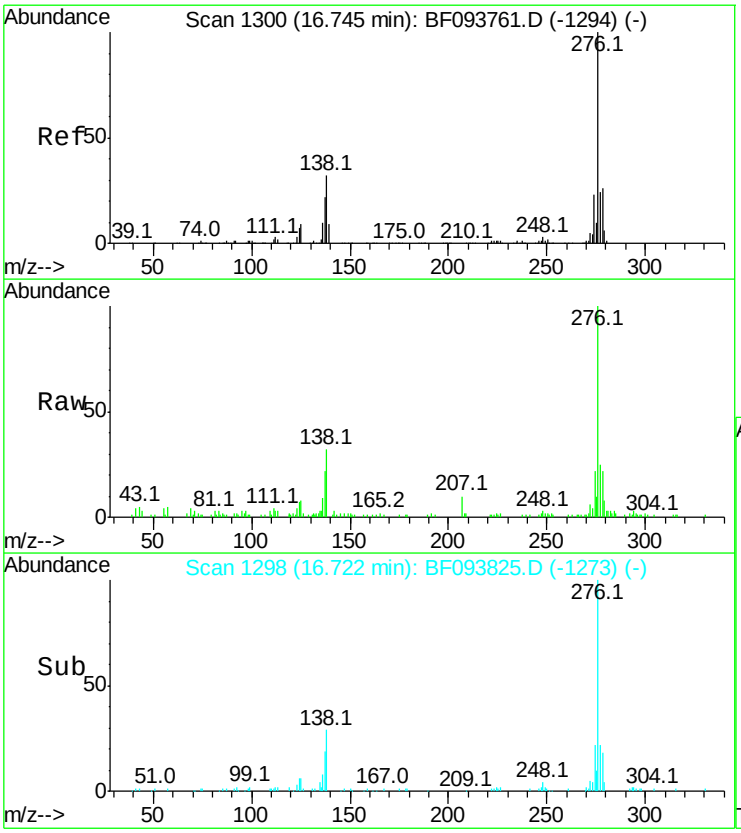
#82
Chrysene
Concen: 6.43 ng
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 151890

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	24.2	15.8	23.6#

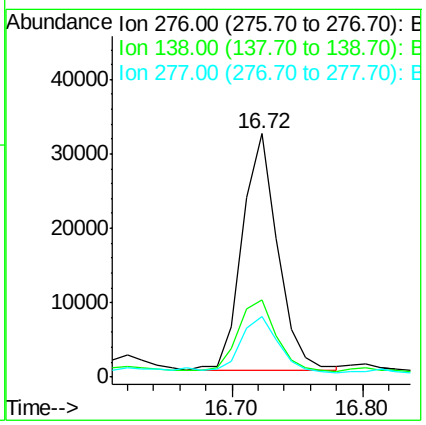


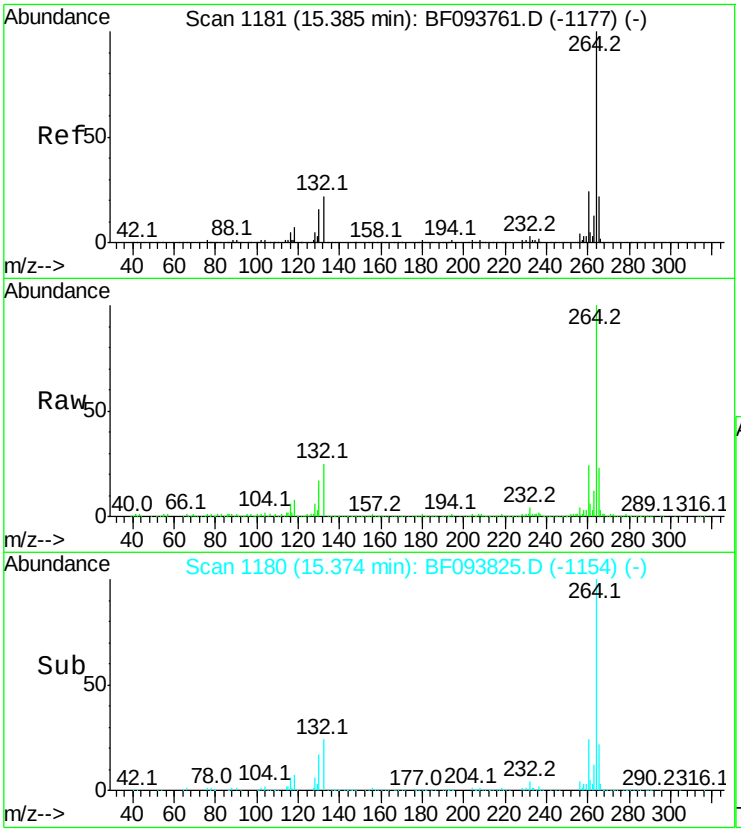


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 16.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:276 Resp: 60255

Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.8	41.6
277	24.9	20.2	30.4



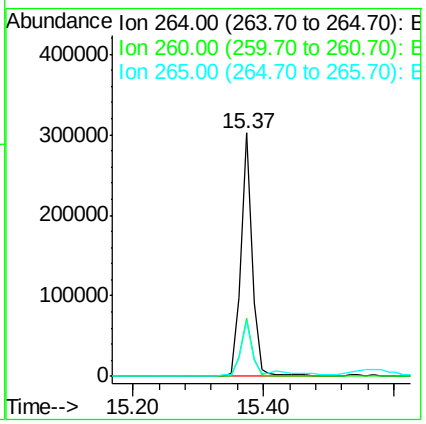


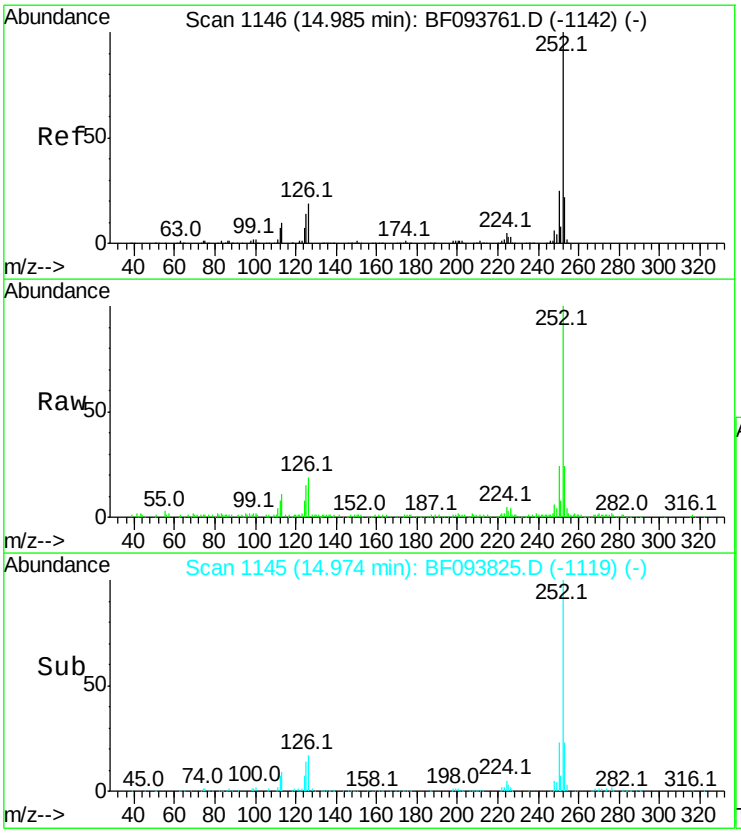
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 358981

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.6	17.2	25.8

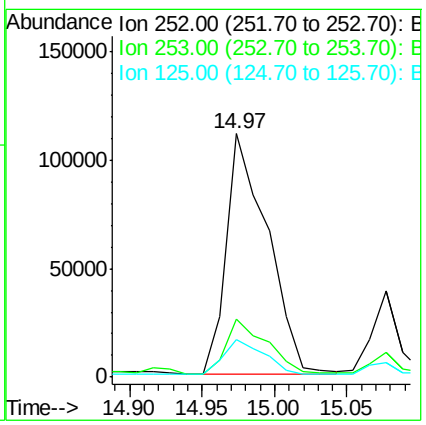


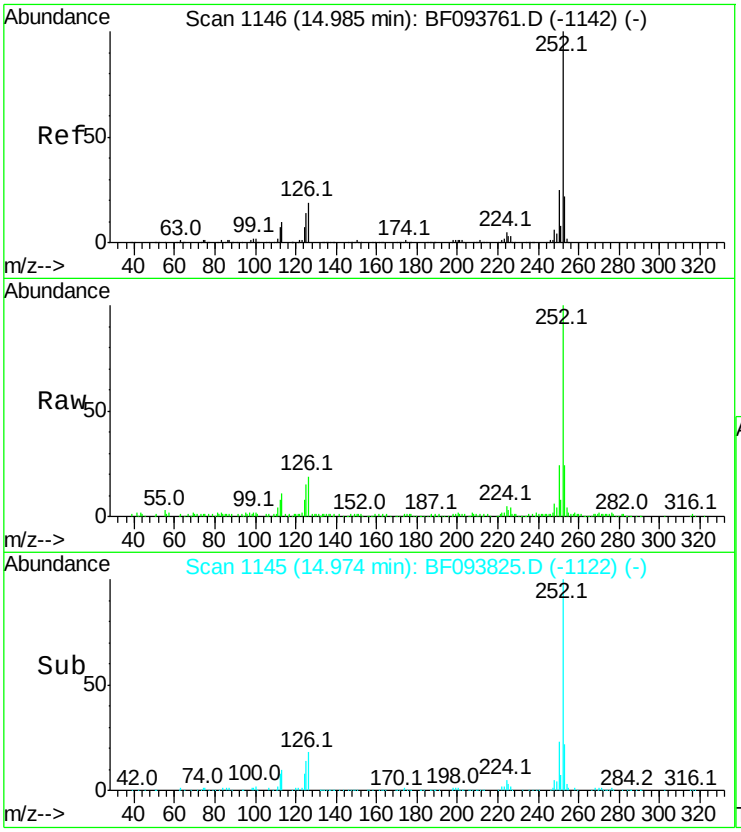


#87
Benzo(b)fluoranthene
Concen: 9.03 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:252 Resp: 218603

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	15.3	9.8	14.8#



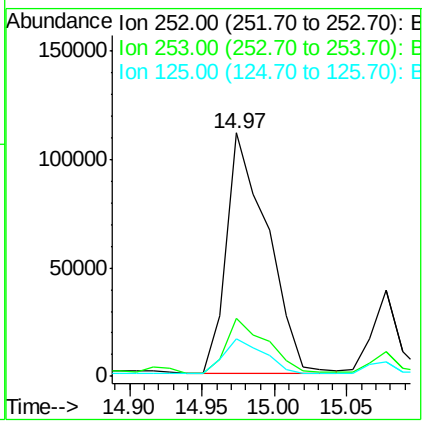


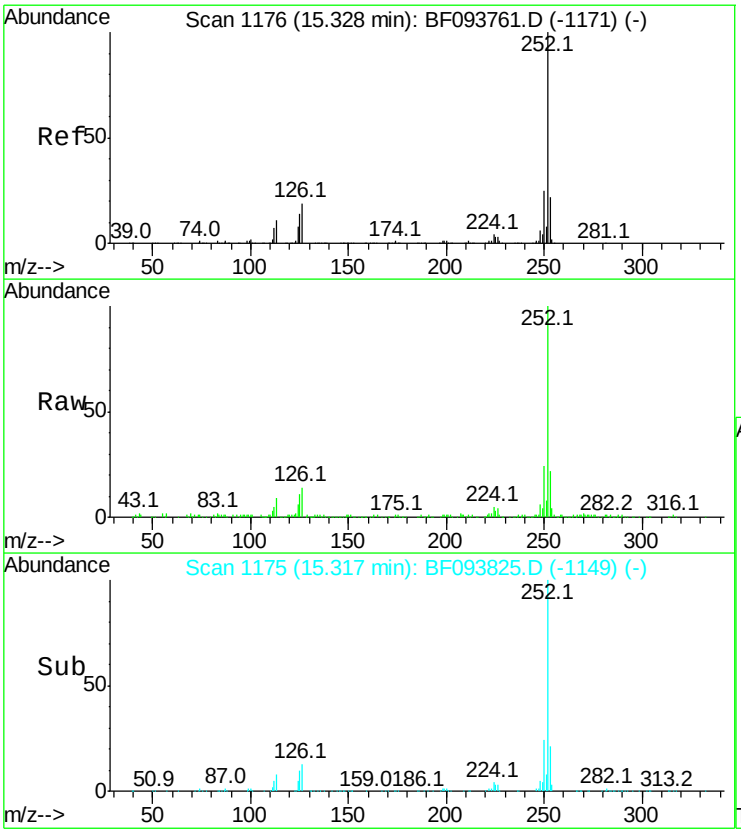
#88
Benzo(k)fluoranthene
Concen: 12.23 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 218603

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	15.3	13.1	19.7

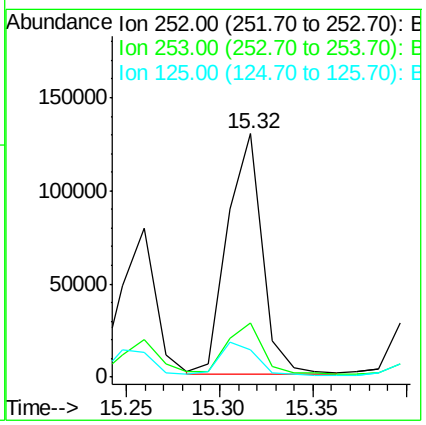


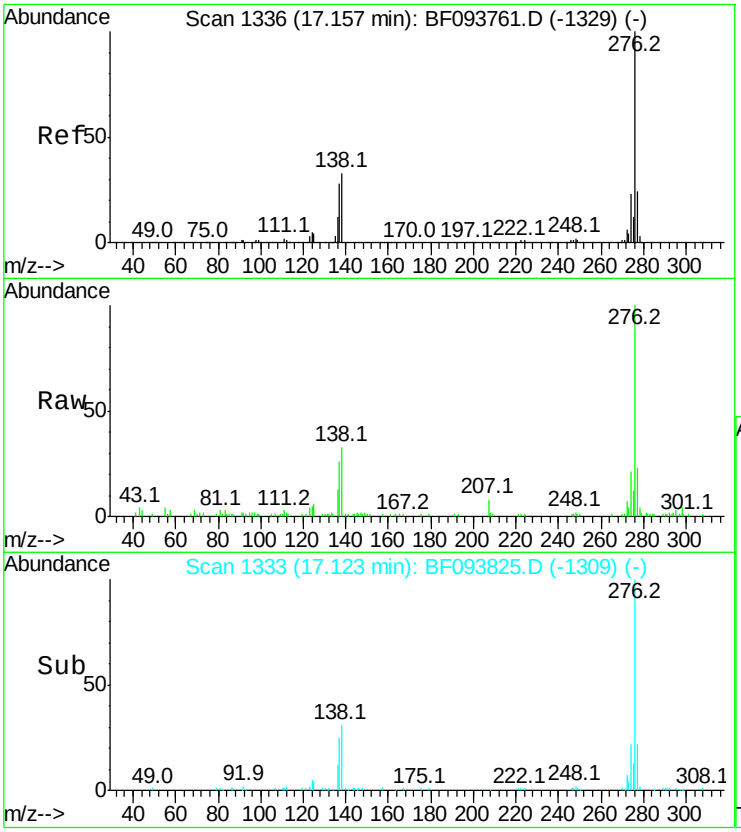


#89
Benzo(a)pyrene
Concen: 8.68 ng
RT: 15.32 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Tgt Ion:252 Resp: 170397

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.1	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 4.42 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093825.D
Acq: 22 Mar 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 71443

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	32.7	25.4	38.0