Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\

Quantitation Report (Not Reviewed)

Data File : BF093191.D
Acq On : 25 Feb 2017 14:28
Operator : SJ/MA
Sample : I1972-20
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-HH5-SW-2

Quant Time: Feb 26 23:43:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	144381	20.00	ng		-0.02
21) Naphthalene-d8	8.12	136	543196	20.00	ng		-0.02
38) Acenaphthene-d10	9.88	164	202064	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	317180	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	298039	20.00	ng		-0.01
86) Perylene-d12	15.45	264	238904	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	857378	101.88	ng		-0.02
7) Phenol-d6	6.49	99	1134272	104.75	ng		0.00
23) Nitrobenzene-d5	7.40	82	594950	60.99	ng		-0.02
41) 2,4,6-Tribromophenol	10.67	330	142473	97.49	ng		-0.01
44) 2-Fluorobiphenyl	9.20	172	951863	85.34	ng		-0.02
78) Terphenyl-d14	12.96	244	702618	55.39	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.50	94	52285	4.13	ng	#	70
19) n-Nitroso-di-n-propylamine	7.40	70	81338	11.80	ng	#	83
25) Isophorone	7.40	82	545152	29.99	ng	#	65
31) Naphthalene	8.14	128	102725	3.73	ng		97
32) Benzoic acid	7.93	122	4865	8.04	ng	#	33
37) 2-Methylnaphthalene	8.83	142	62569	3.54	ng		97
48) Acenaphthylene	9.73	152	65785	3.33	ng		99
49) Dimethylphthalate	9.60	163	79309	5.83	ng		98
51) Acenaphthene	9.90	154	74077	6.27	ng		97
54) Dibenzofuran	10.09	168	79774	5.05	ng	#	90
57) Fluorene	10.42	166	85381	7.02	ng	#	99
64) 4,6-Dinitro-2-methylphenol	10.67	198	555	2.94	ng	#	1
66) 4-Bromophenyl-phenylether	10.67	248	10487	3.16	ng	#	1
69) Pentachlorophenol	11.18	266	1715	8.12	ng		91
70) Phenanthrene	11.39	178	1053414	57.97	ng		99
71) Anthracene	11.44	178	297958	16.33	ng		96
72) Carbazole	11.60	167	122076	7.00	ng		98
74) Fluoranthene	12.58	202	1258901	67.16	ng		98
77) Pyrene	12.81	202	1193926	53.53	ng		99
80) Benzo(a)anthracene	14.00	228	707467	38.81	ng		97
82) Chrysene	14.04	228	565439	33.13	ng		97
83) Bis(2-ethylhexyl)phthalate	13.99	149	51638	4.17	ng	#	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	241242	18.25	ng		96
87) Benzo(b)fluoranthene	15.04	252	868736	55.25	ng	#	97
88) Benzo(k)fluoranthene	15.04	252	868736	63.99	ng	#	97
89) Benzo(a)pyrene	15.39	252	444546	32.68	ng		99
90) Dibenzo(a,h)anthracene	16.87	278	64522	5.87	ng	#	83
91) Benzo(g,h,i)perylene	17.29	276	227744	20.51	ng	#	87

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

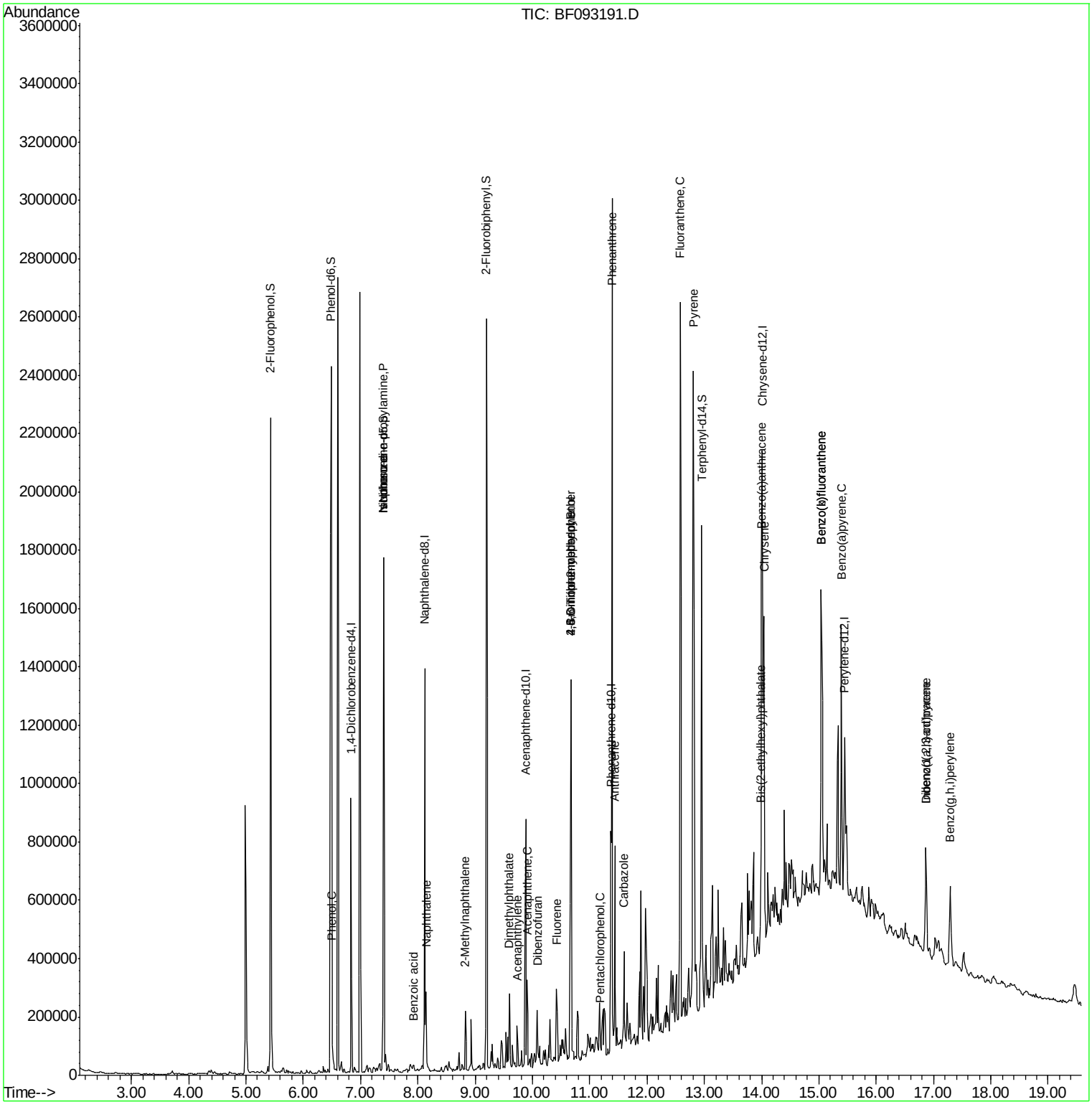
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\

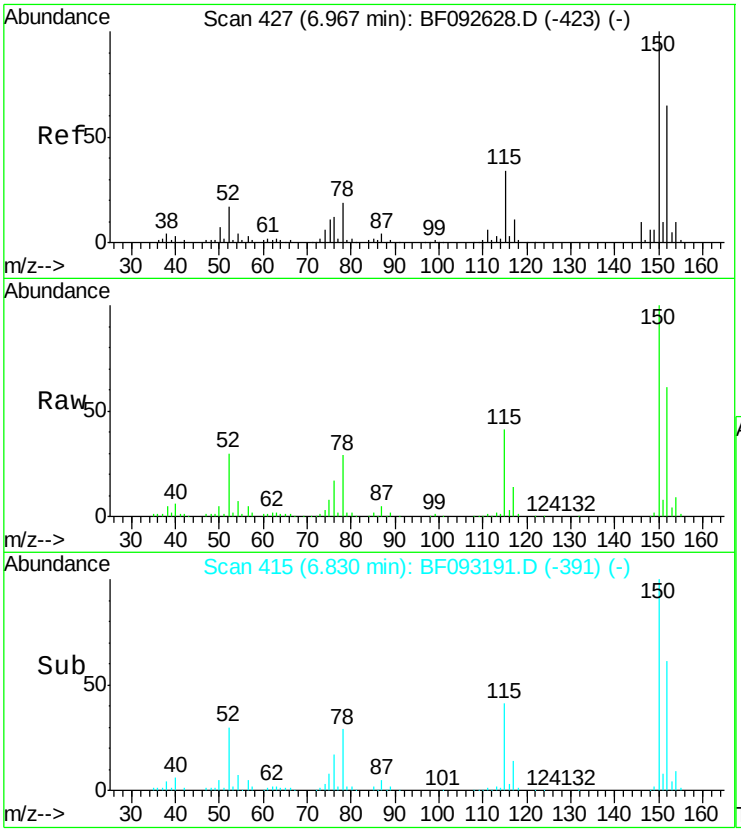
Quantitation Report (Not Reviewed)

Data File : BF093191.D
Acq On : 25 Feb 2017 14:28
Operator : SJ/MA
Sample : I1972-20
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Quant Time: Feb 26 23:43:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration



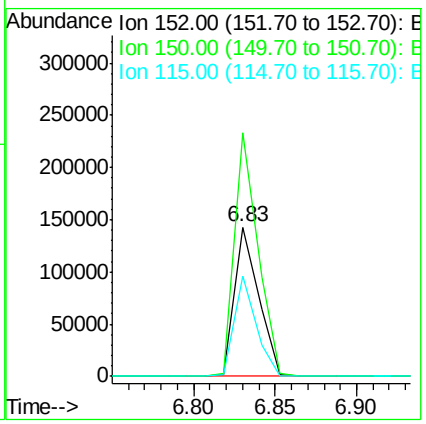


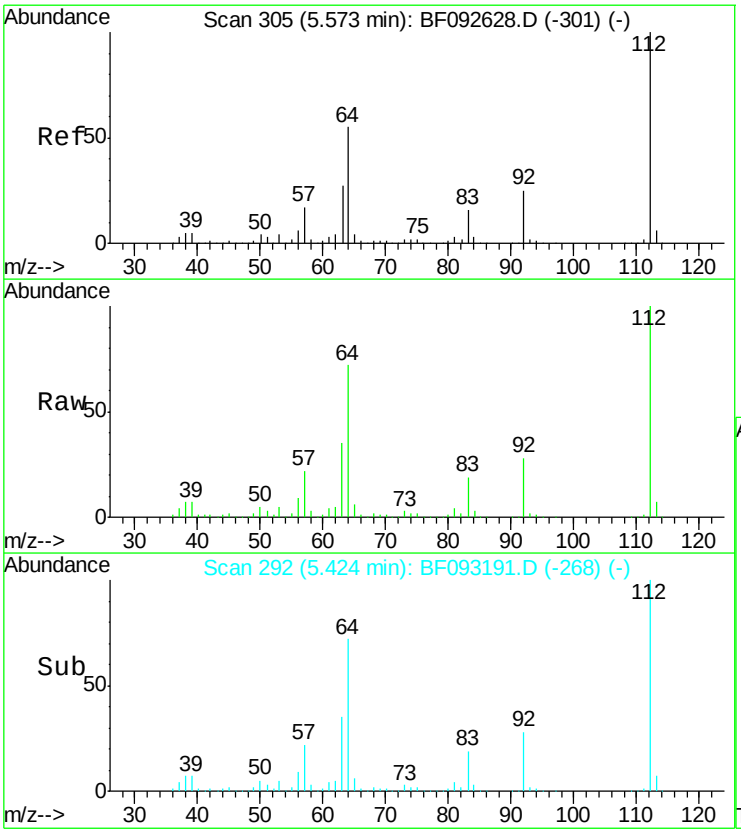
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:152 Resp: 144381

Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.9	187.3
115	67.4	46.0	69.0

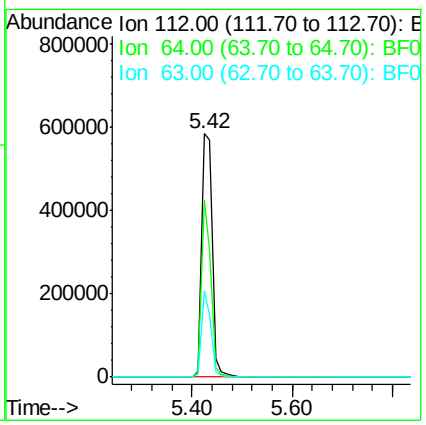


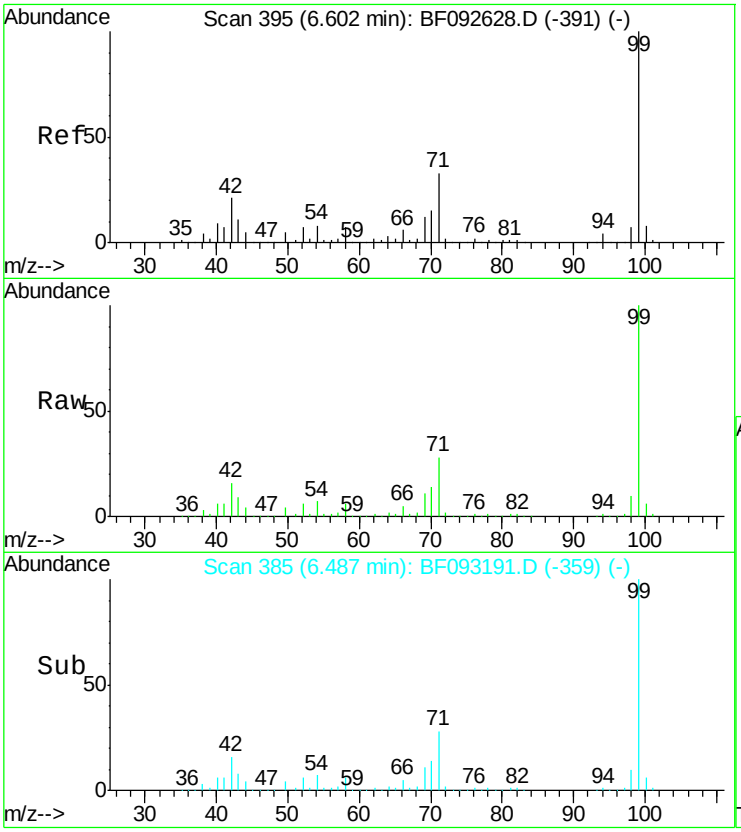


#5
2-Fluorophenol
Concen: 101.88 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:112 Resp: 857378

Ion	Ratio	Lower	Upper
112	100		
64	72.5	46.1	69.1#
63	35.2	23.8	35.6



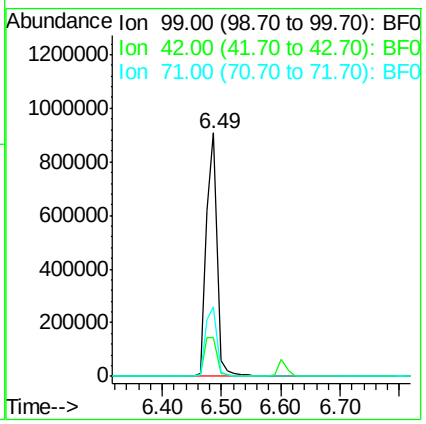


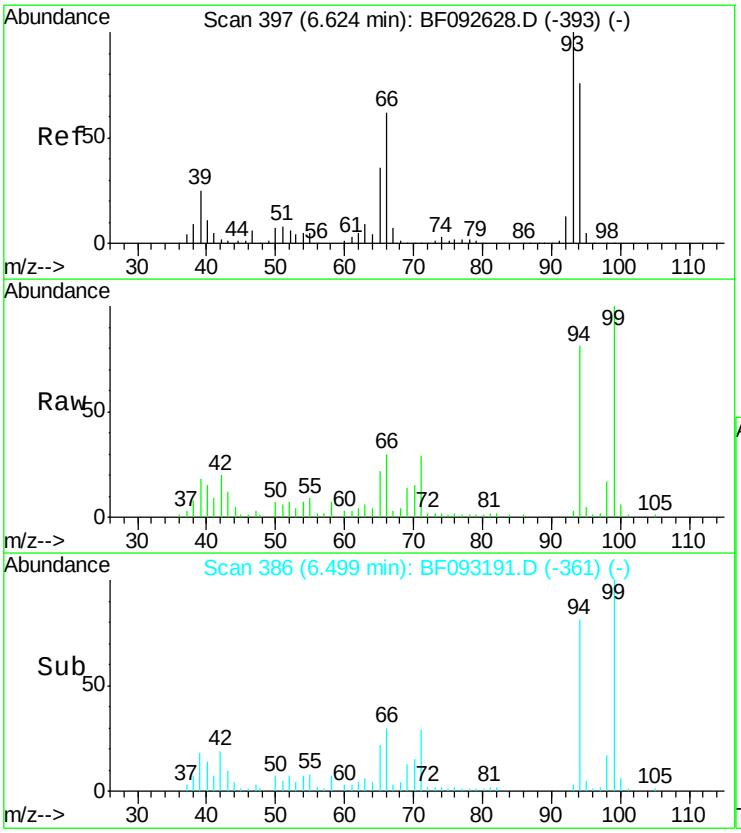
#7
Phenol-d6
Concen: 104.75 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion: 99 Resp: 1134272

Ion	Ratio	Lower	Upper
99	100		
42	16.1	15.6	23.4
71	28.5	27.5	41.3

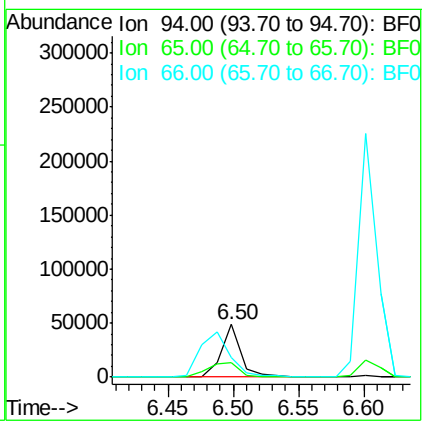


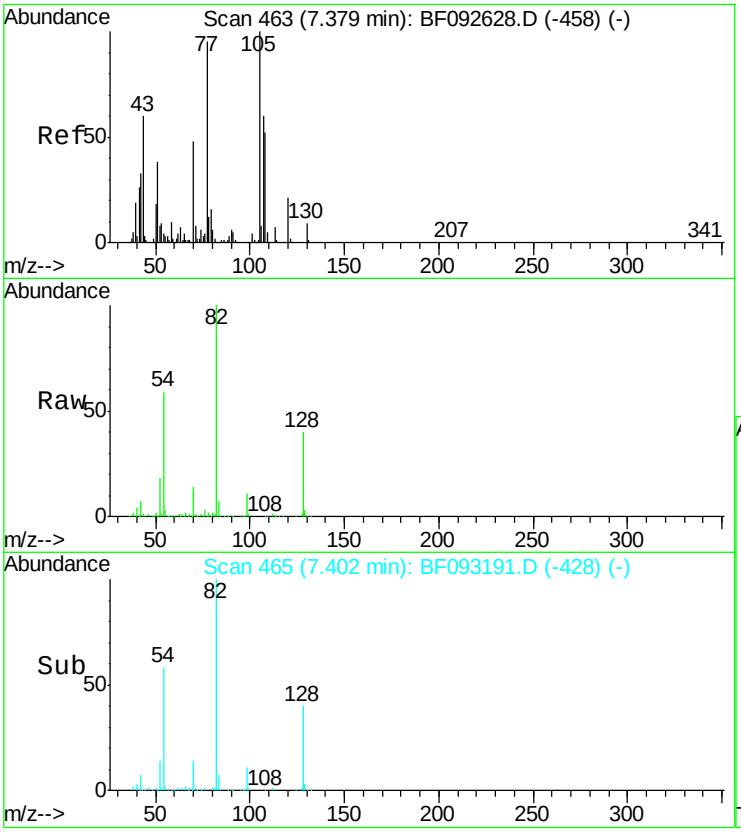


#10
Phenol
Concen: 4.13 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion: 94 Resp: 52285

Ion	Ratio	Lower	Upper
94	100		
65	27.5	21.4	61.4
66	36.5	44.0	84.0#



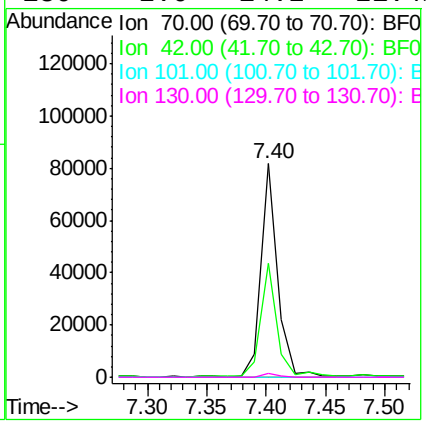


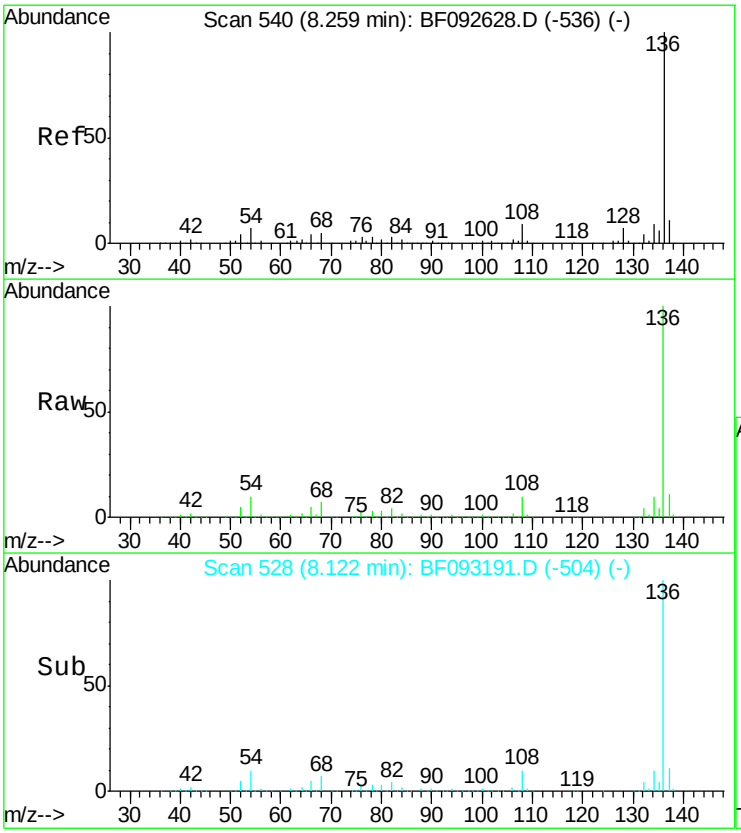
#19
n-Nitroso-di-n-propylamine
Concen: 11.80 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion: 70 Resp: 81338

Ion	Ratio	Lower	Upper
70	100		
42	53.6	49.4	74.0
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#

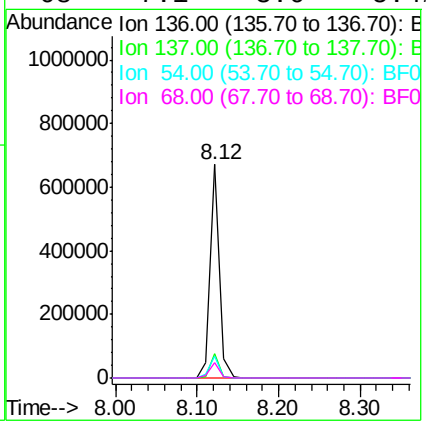


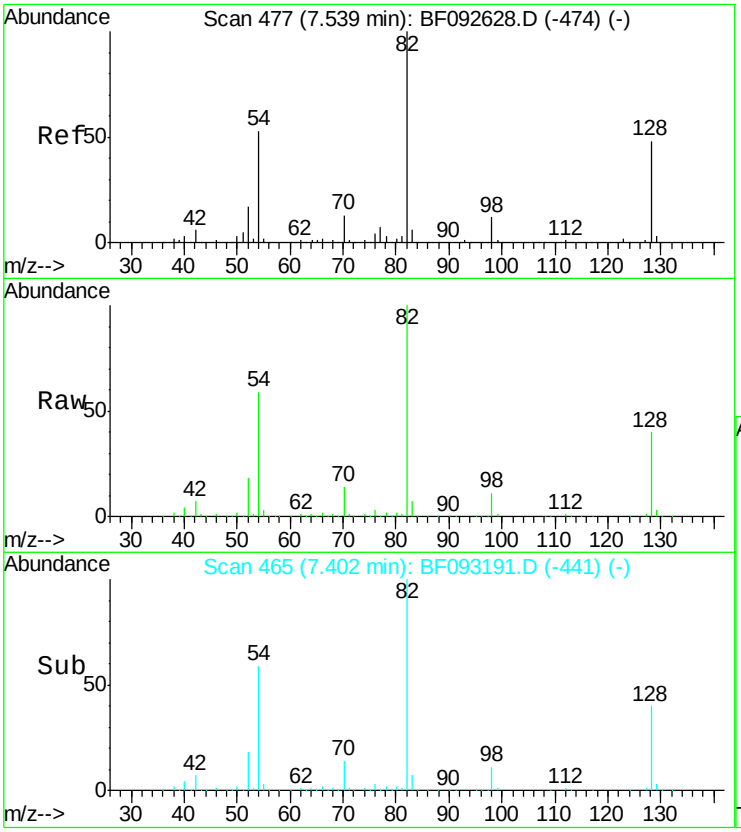


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:136 Resp: 543196

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.1	4.5	6.7#
68	7.1	3.6	5.4#



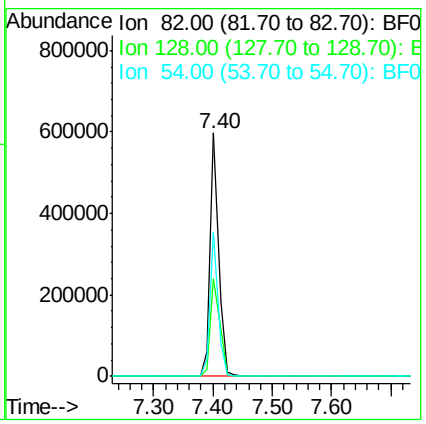


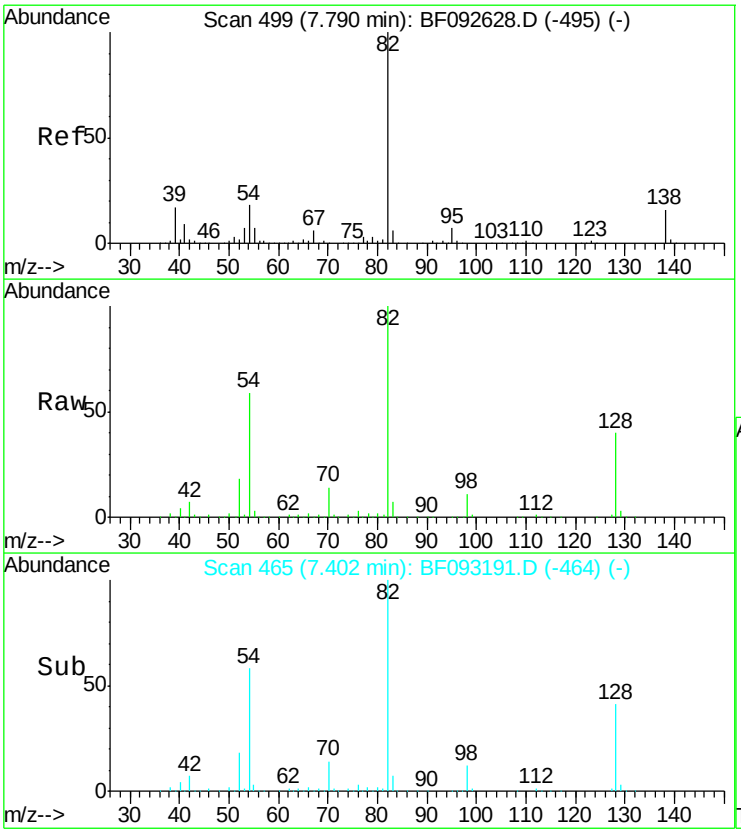
#23
Nitrobenzene-d5
Concen: 60.99 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion: 82 Resp: 594950

Ion	Ratio	Lower	Upper
82	100		
128	40.0	34.6	52.0
54	59.3	39.5	59.3#

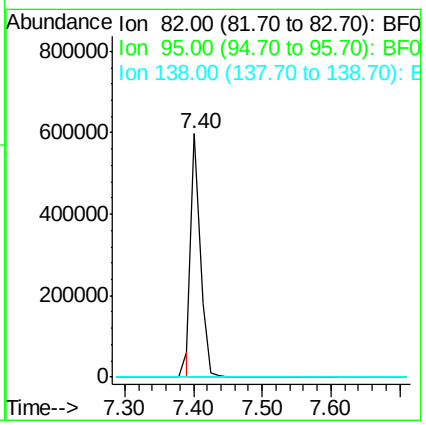


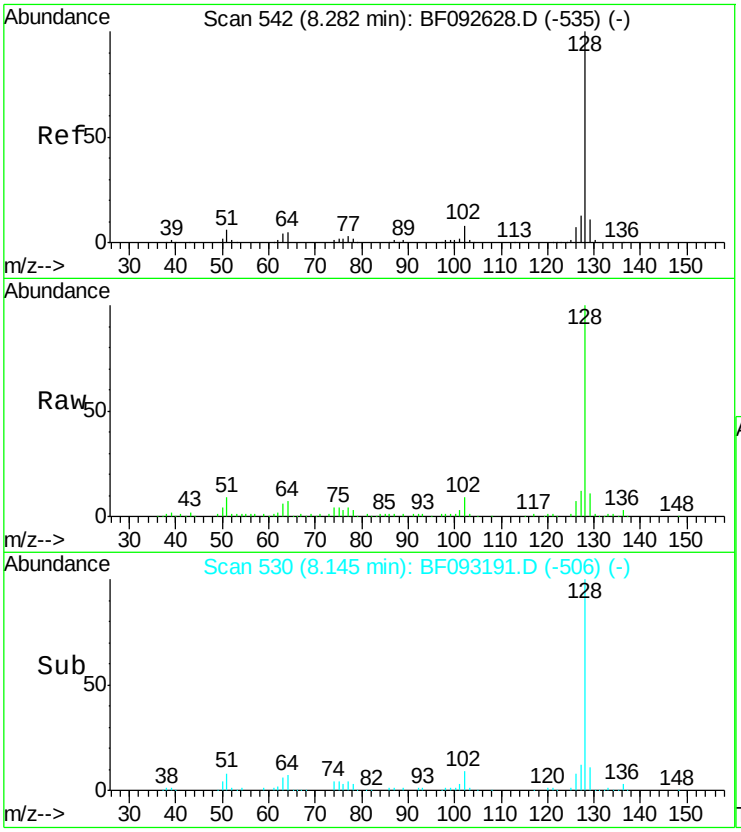


#25
Isophorone
Concen: 29.99 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.29 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion: 82 Resp: 545152

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.6	22.0#



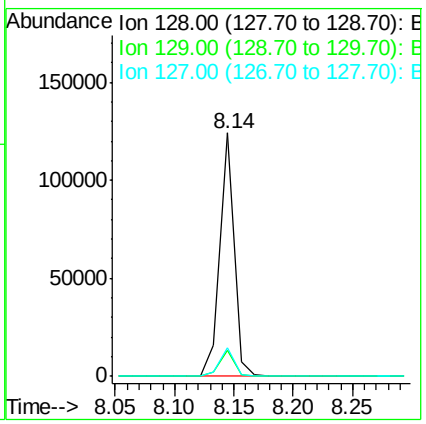


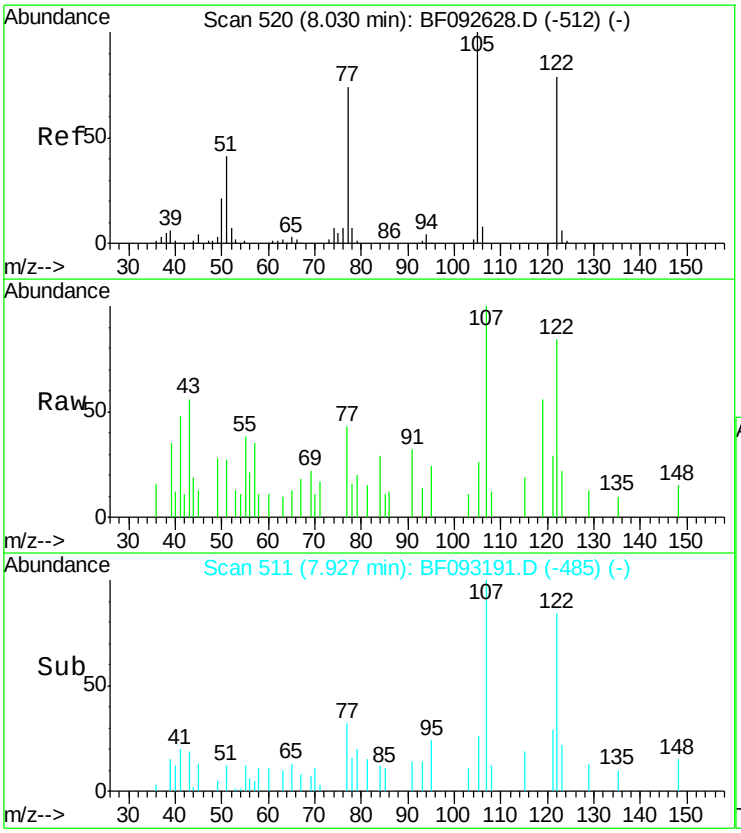
#31
Naphthalene
Concen: 3.73 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:128 Resp: 102725

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.5	14.3
127	11.9	10.8	16.2

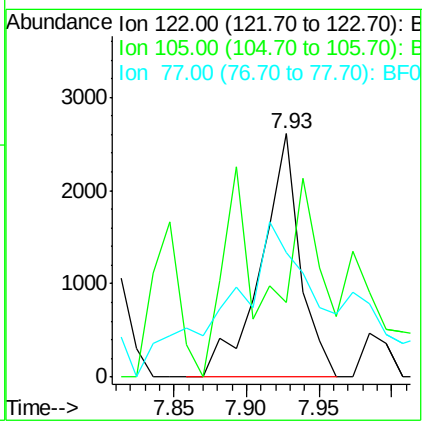


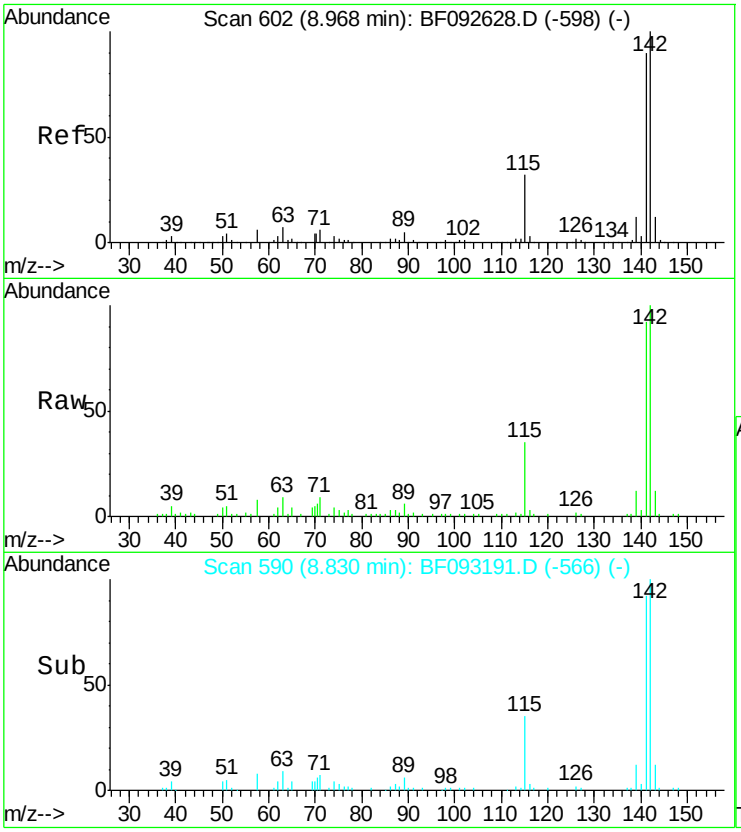


#32
Benzoic acid
Concen: 8.04 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:122 Resp: 4865

Ion	Ratio	Lower	Upper
122	100		
105	30.6	107.2	147.2#
77	51.1	74.5	114.5#



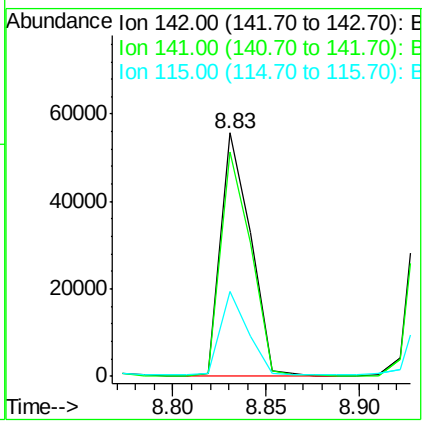


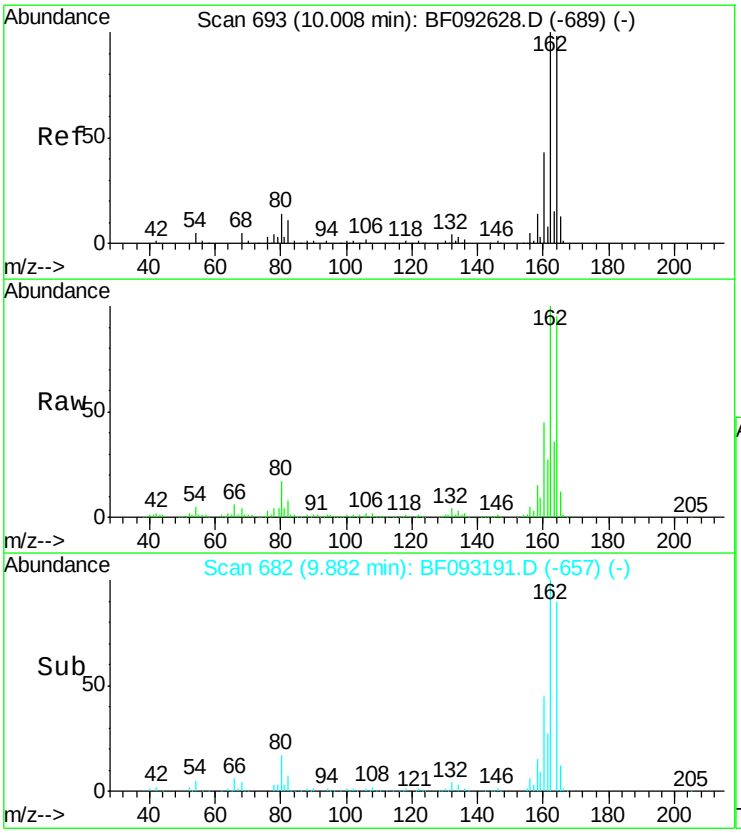
#37
2-Methylnaphthalene
Concen: 3.54 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:142 Resp: 62569

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.0	106.6
115	34.8	28.3	42.5

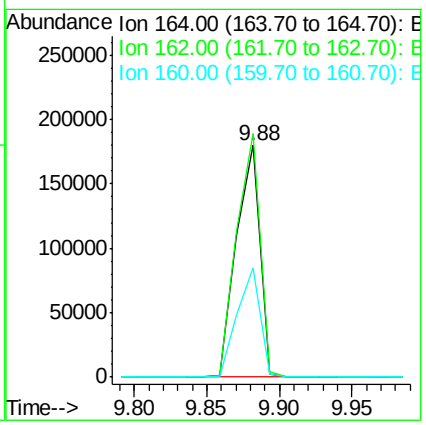


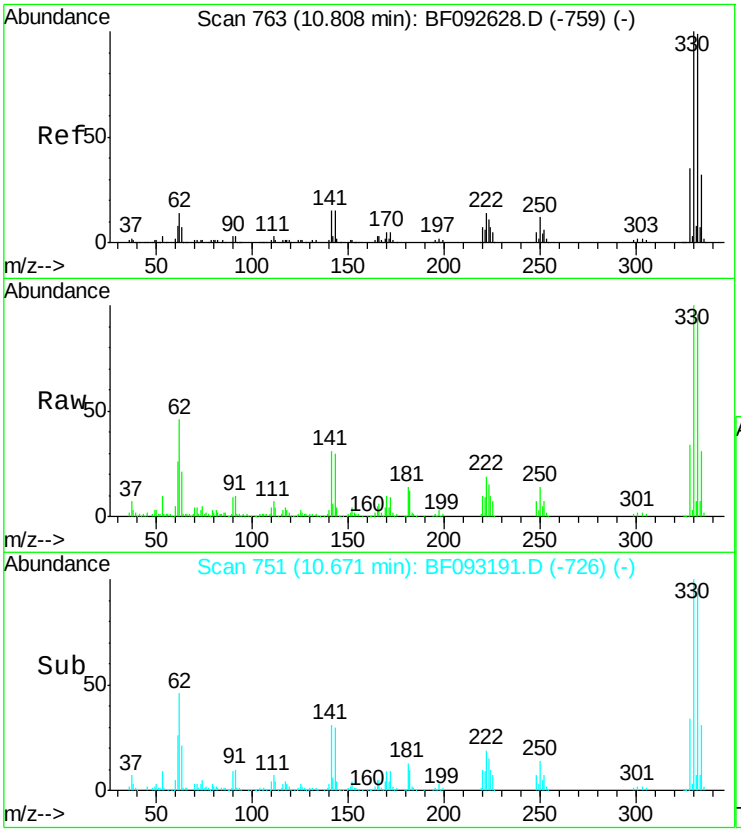


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:164 Resp: 202064

Ion	Ratio	Lower	Upper
164	100		
162	105.1	80.2	120.2
160	47.1	36.9	55.3



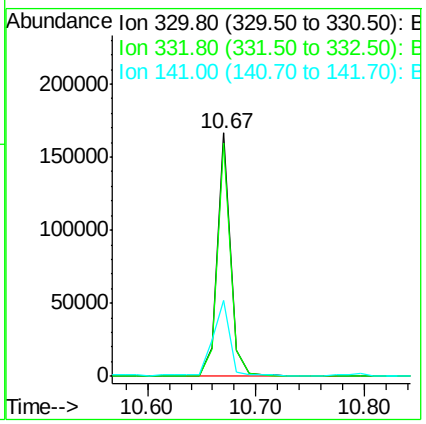


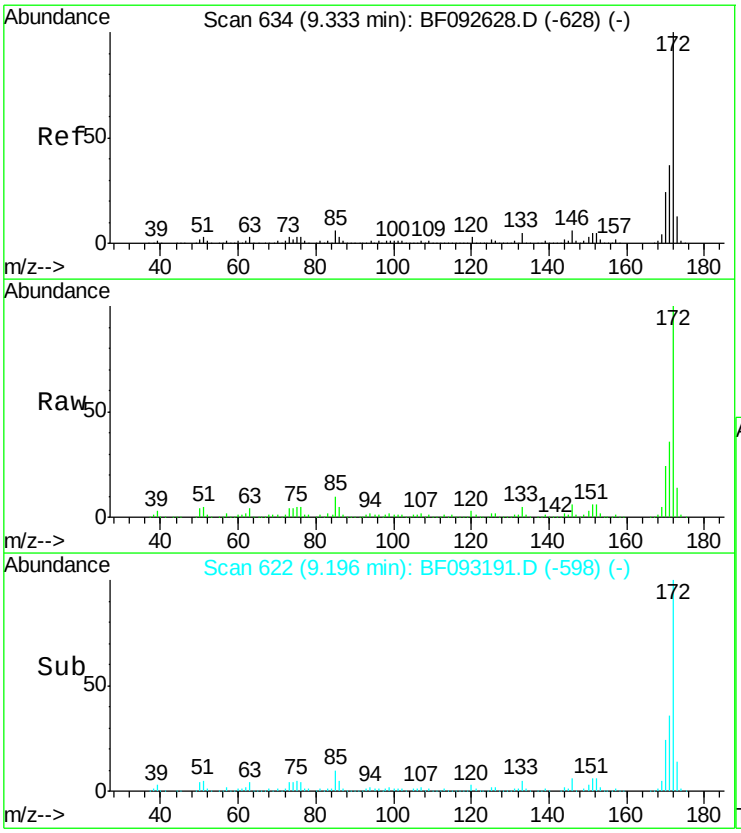
#41
2,4,6-Tribromophenol
Concen: 97.49 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:330 Resp: 142473

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	39.9	34.1	51.1

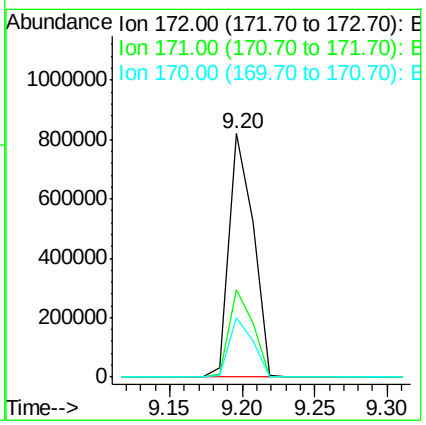


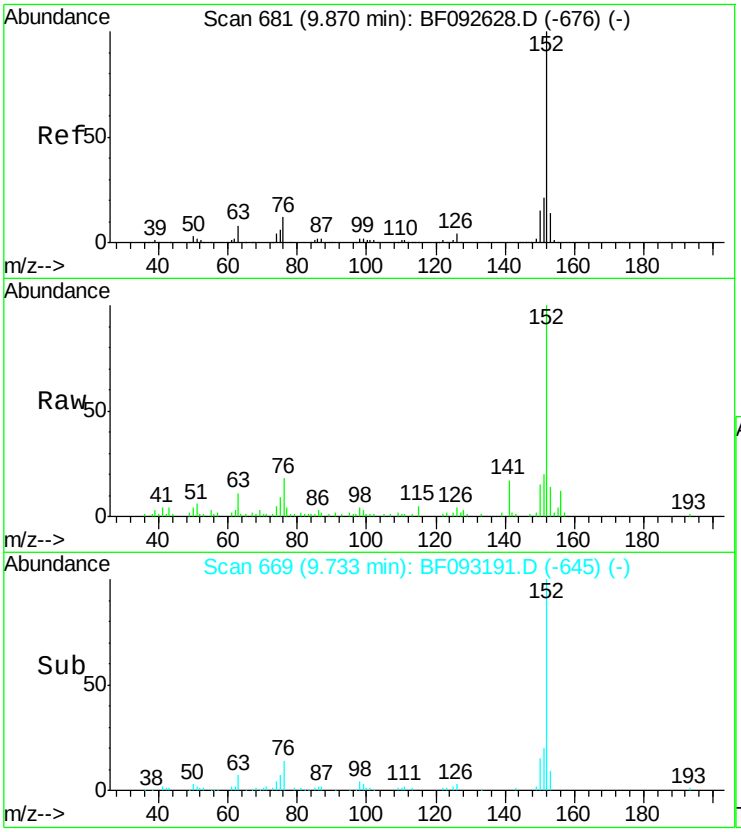


#44
2-Fluorobiphenyl
Concen: 85.34 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:172 Resp: 951863

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.2	20.2	30.4



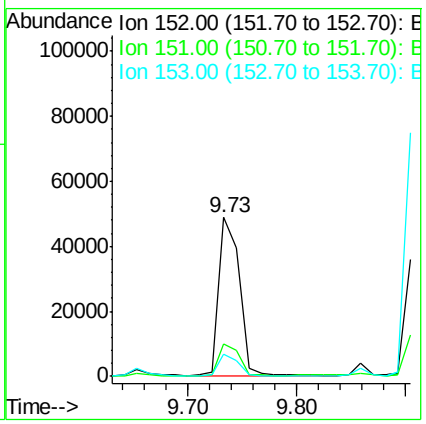


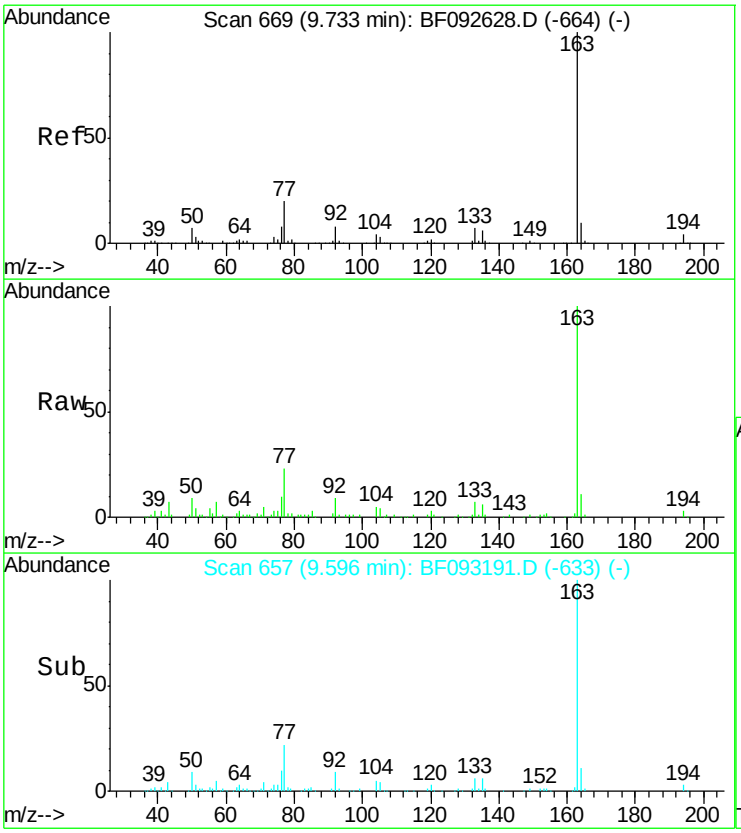
#48
Acenaphthylene
Concen: 3.33 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:152 Resp: 65785

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.9	25.3
153	14.4	11.4	17.2

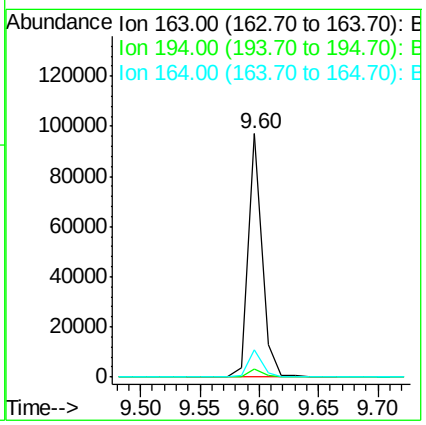


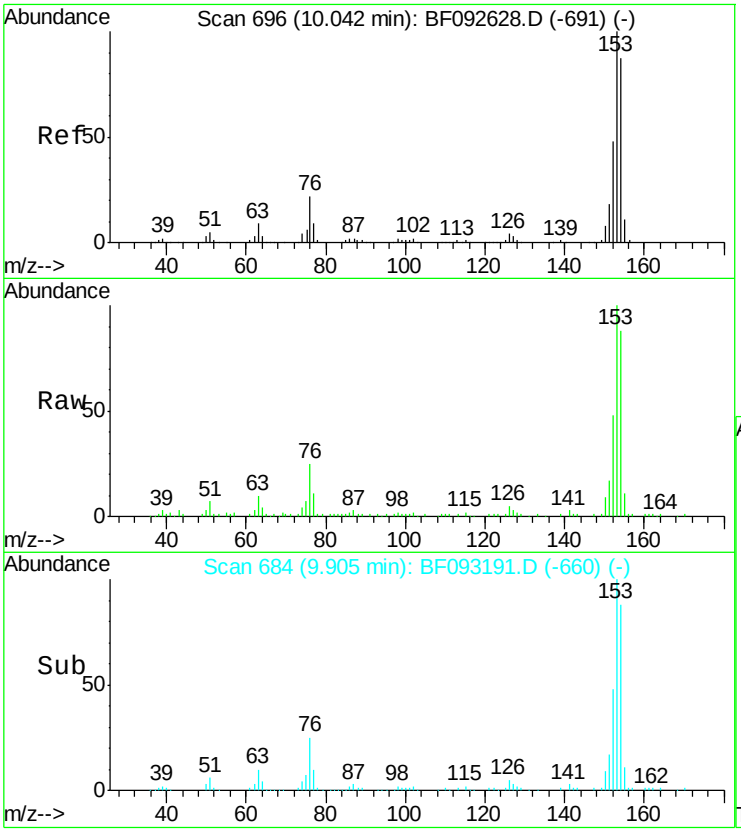


#49
Dimethylphthalate
Concen: 5.83 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:163 Resp: 79309

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	11.0	8.0	12.0



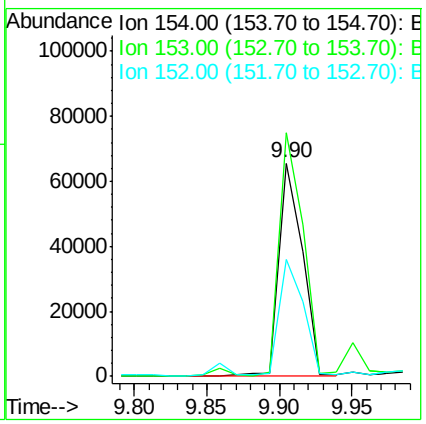


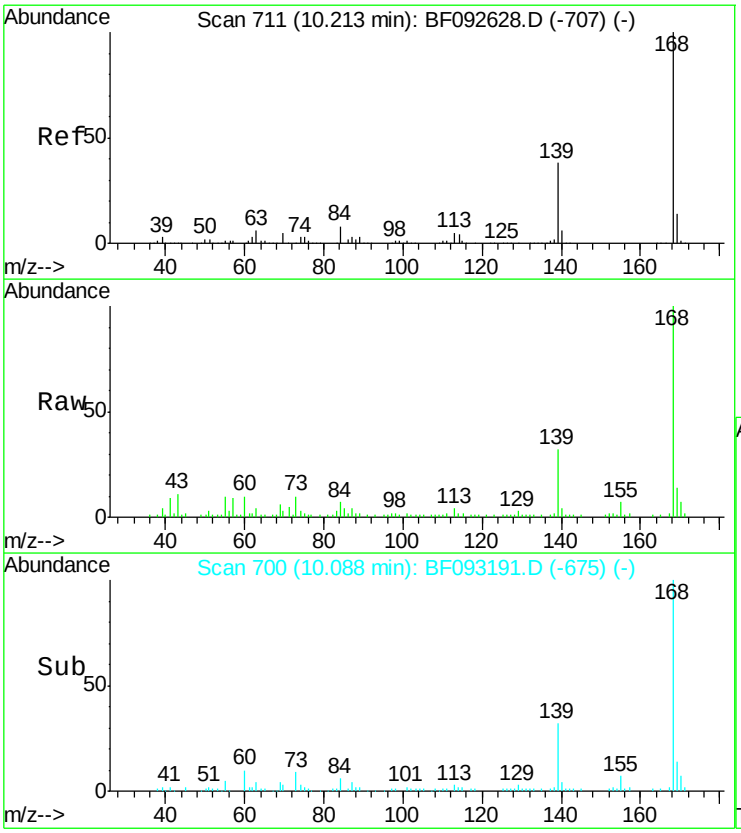
#51
Acenaphthene
Concen: 6.27 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:154 Resp: 74077

Ion	Ratio	Lower	Upper
154	100		
153	114.1	88.6	133.0
152	54.7	41.6	62.4

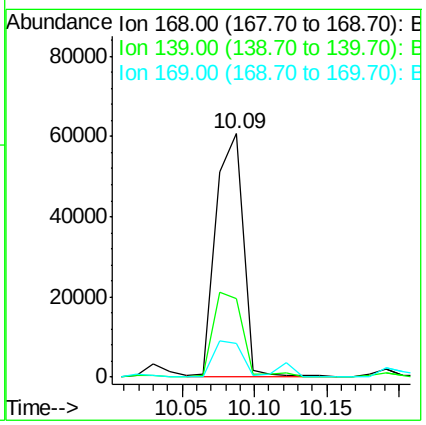


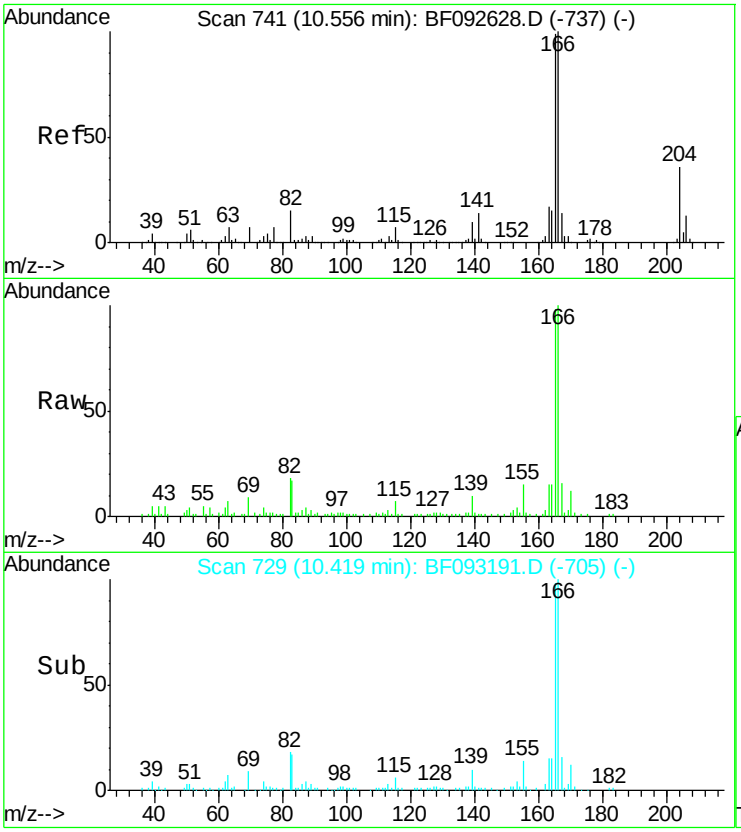


#54
Dibenzofuran
Concen: 5.05 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:168 Resp: 79774

Ion	Ratio	Lower	Upper
168	100		
139	32.3	32.6	49.0#
169	13.8	11.3	16.9



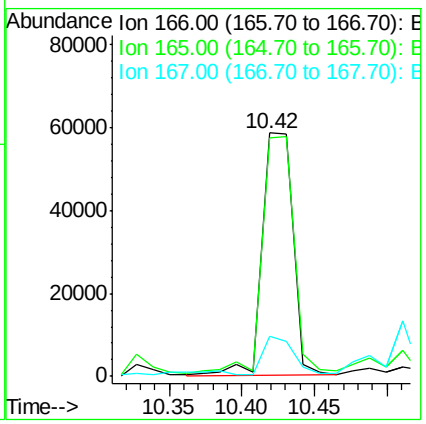


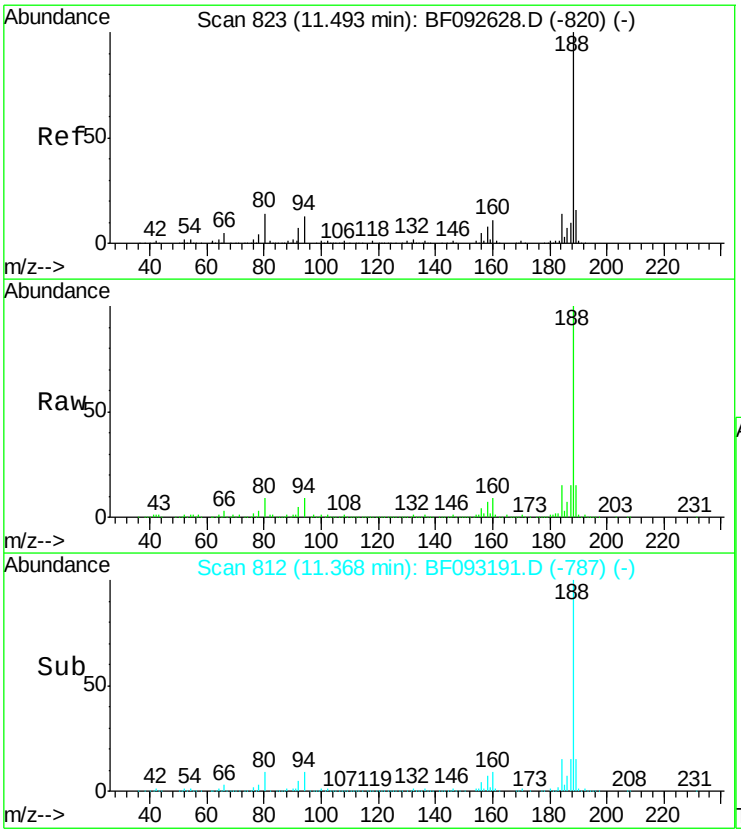
#57
Fluorene
Concen: 7.02 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:166 Resp: 85381

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.8
167	16.5	10.8	16.2#

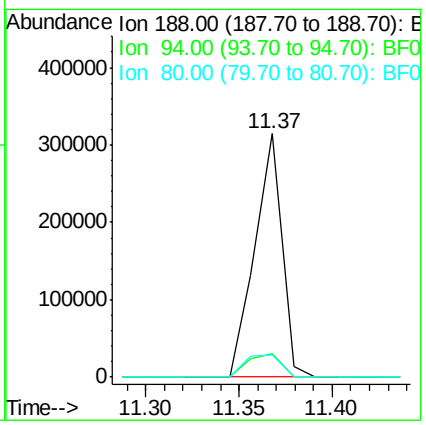


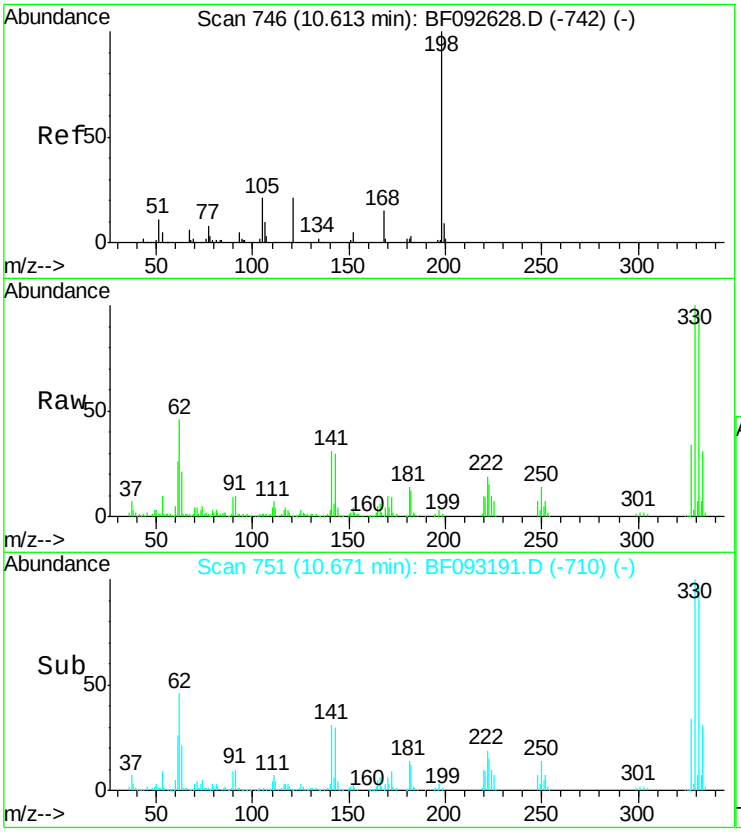


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:188 Resp: 317180

Ion	Ratio	Lower	Upper
188	100		
94	9.4	10.0	15.0#
80	9.1	11.2	16.8#



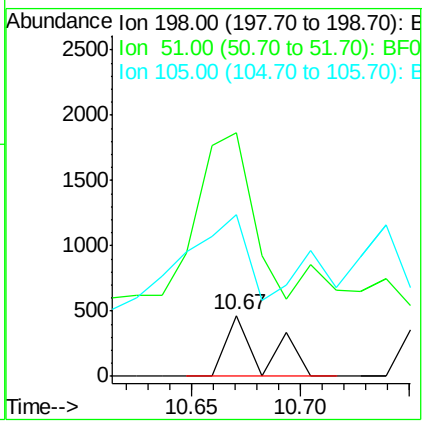


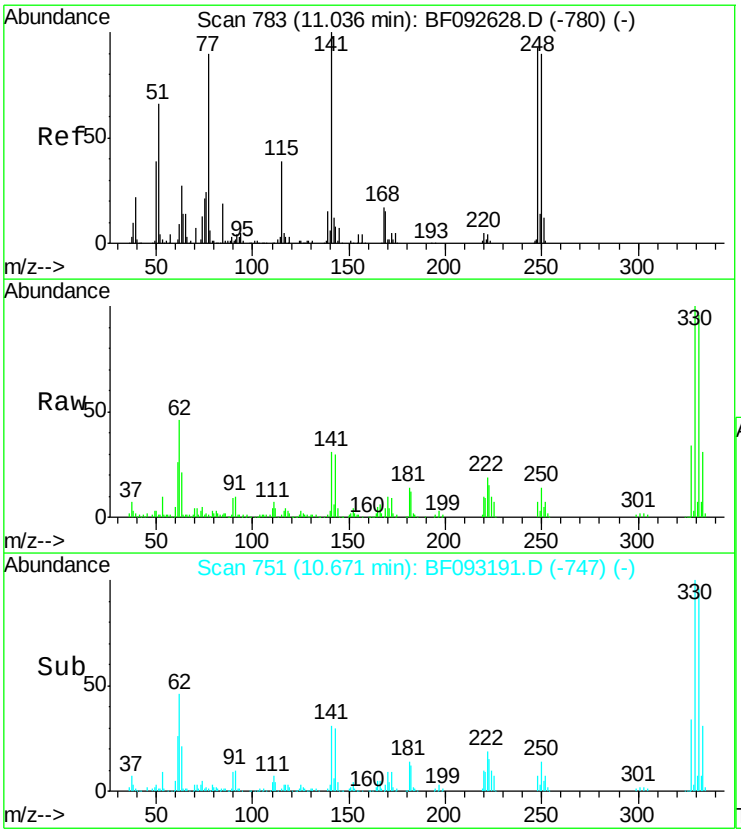
#64
4,6-Dinitro-2-methylphenol
Concen: 2.94 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:198 Resp: 555

Ion	Ratio	Lower	Upper
198	100		
51	398.5	6.7	46.7#
105	263.9	16.6	56.6#

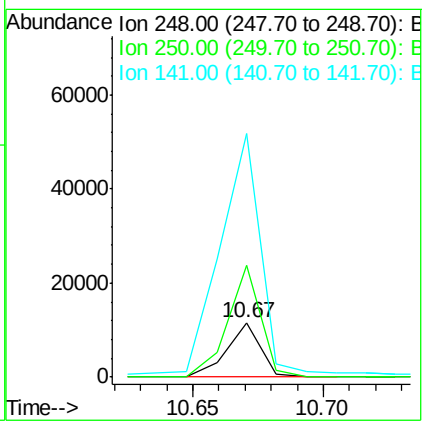


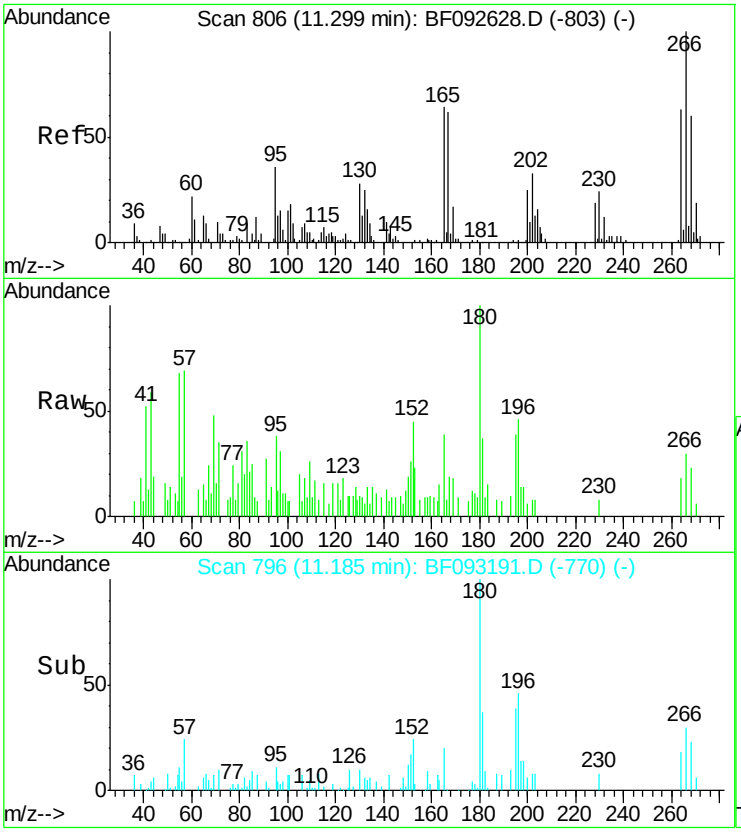


#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:248 Resp: 10487

Ion	Ratio	Lower	Upper
248	100		
250	203.9	76.9	115.3#
141	446.3	68.2	102.4#



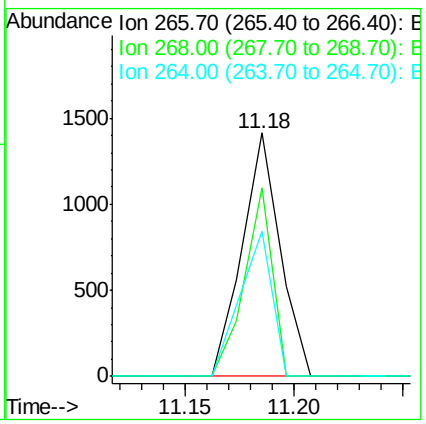


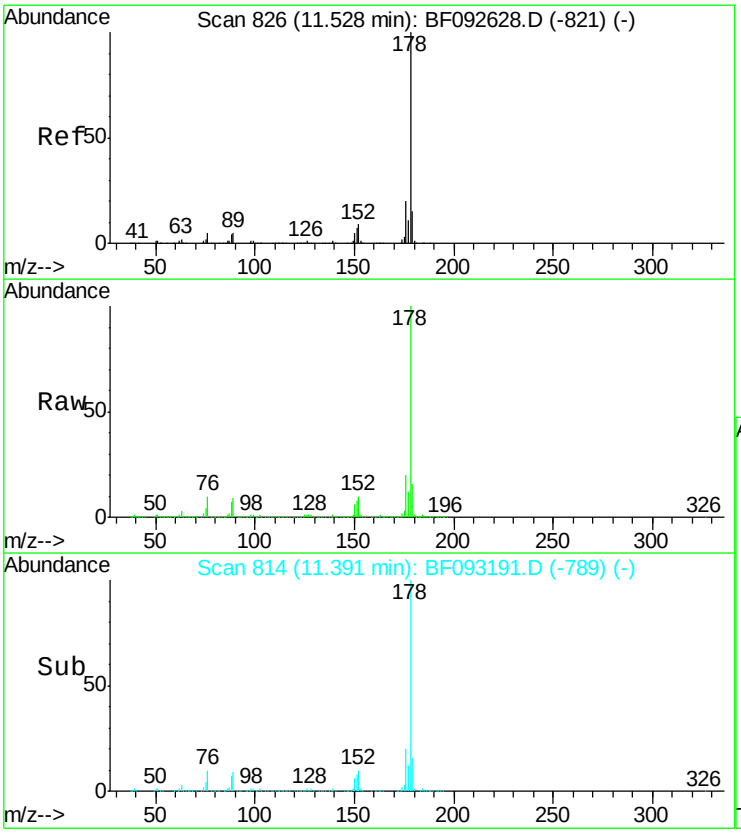
#69
Pentachlorophenol
Concen: 8.12 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:266 Resp: 1715

Ion	Ratio	Lower	Upper
266	100		
268	77.6	53.3	79.9
264	59.8	50.3	75.5

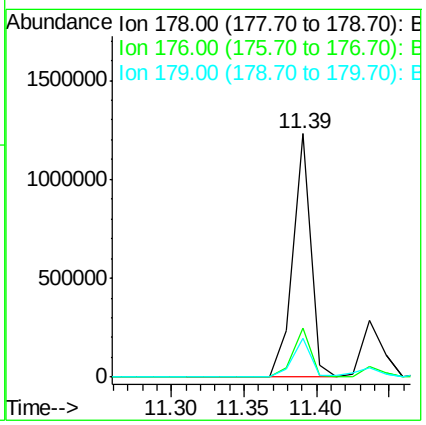


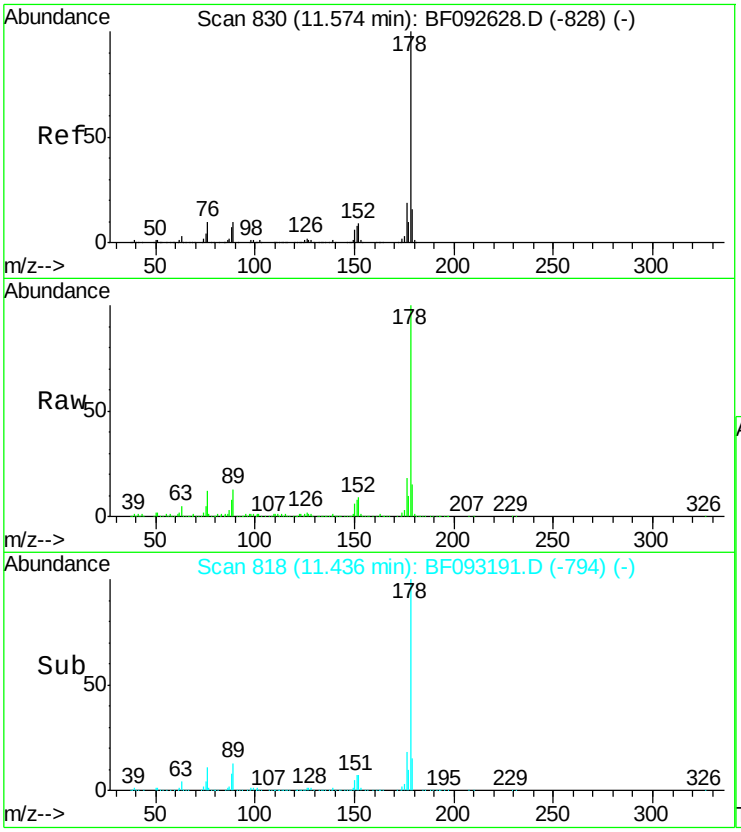


#70
Phenanthrene
Concen: 57.97 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:178 Resp: 1053414

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.9	12.8	19.2



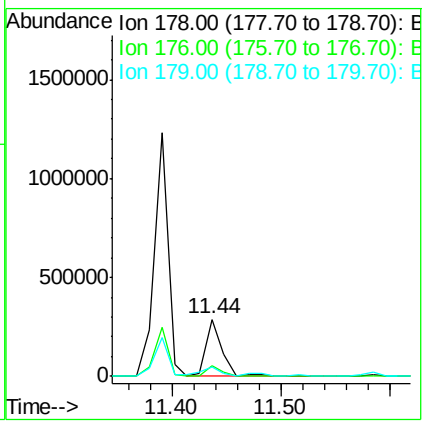


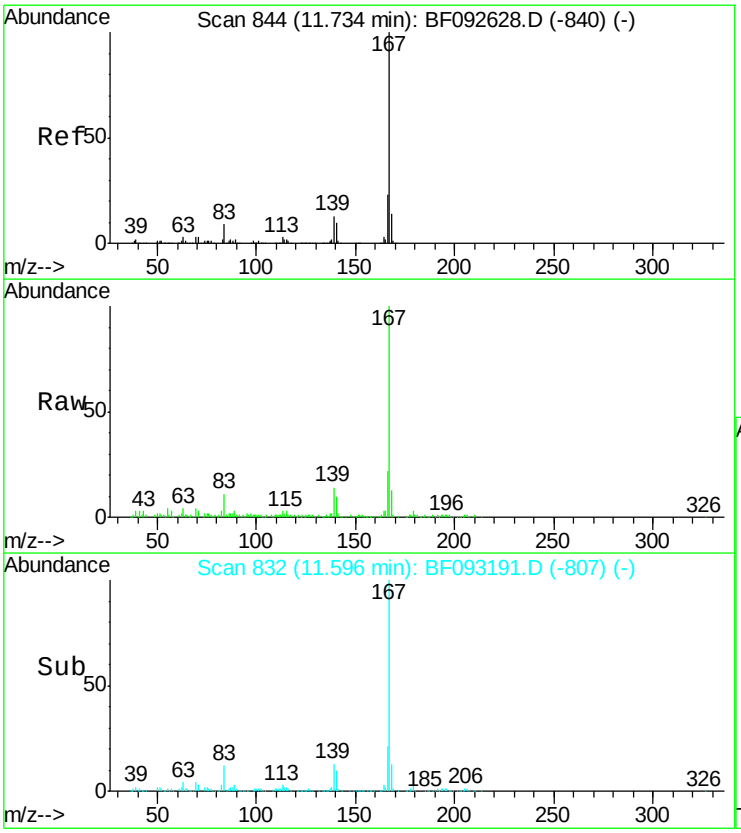
#71
Anthracene
Concen: 16.33 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:178 Resp: 297958

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	15.4	13.2	19.8

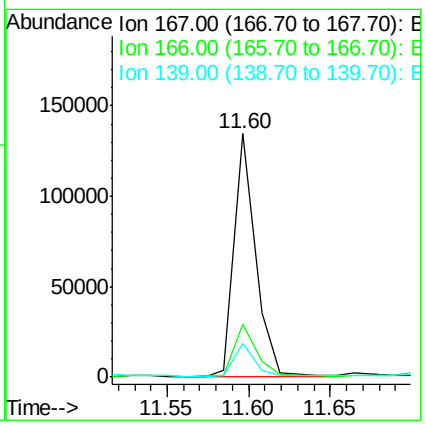


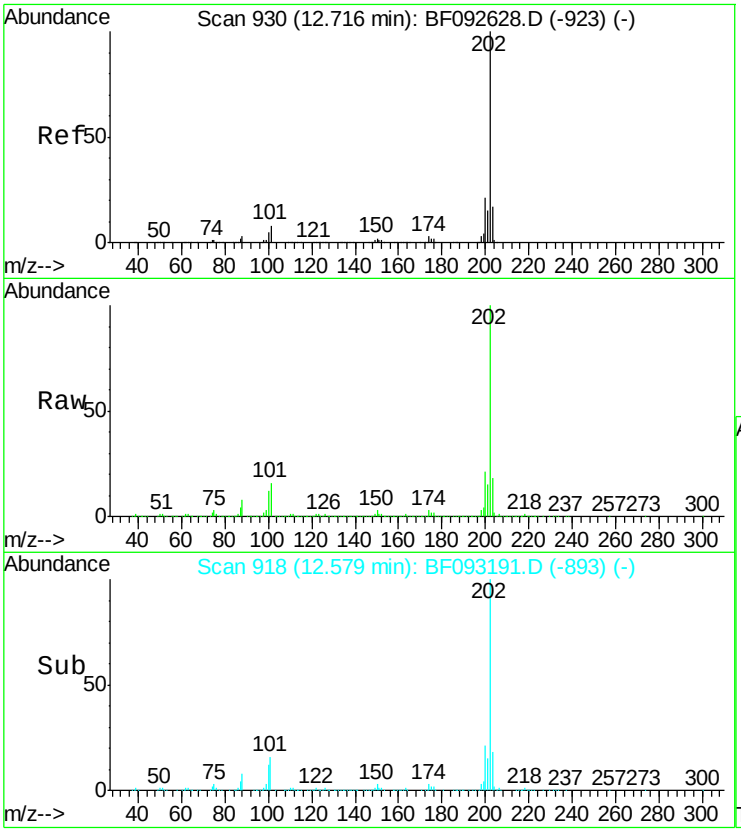


#72
Carbazole
Concen: 7.00 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:167 Resp: 122076

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	13.7	11.4	17.2



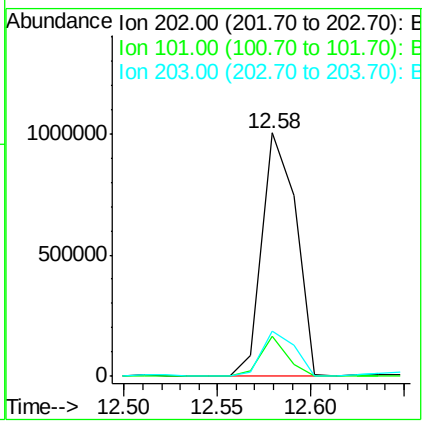


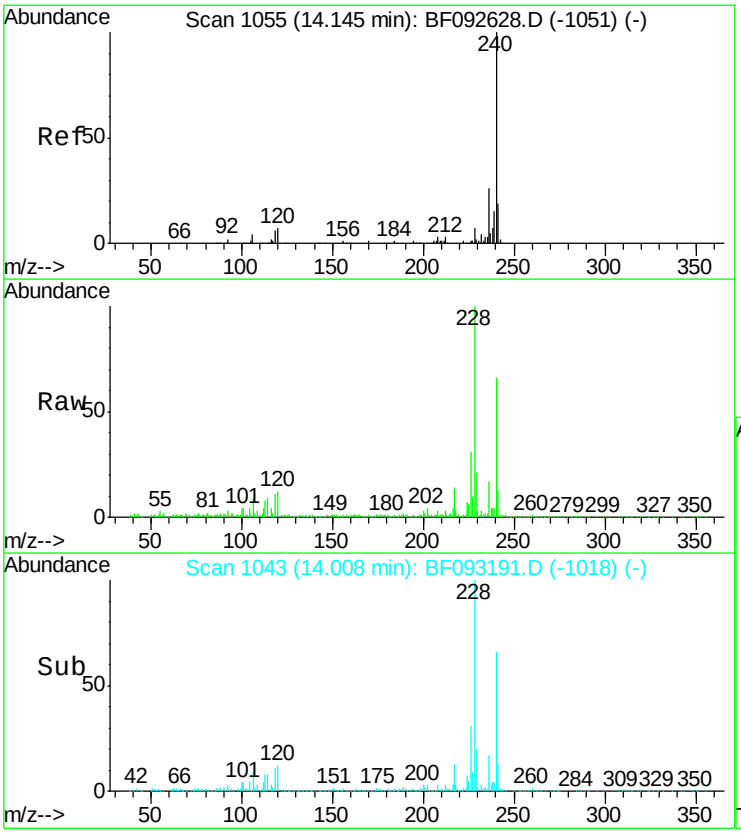
#74
Fluoranthene
Concen: 67.16 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:202 Resp: 1258901

Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	34.6
203	18.4	0.0	38.7

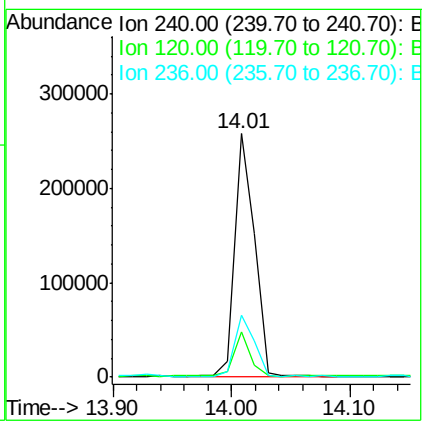


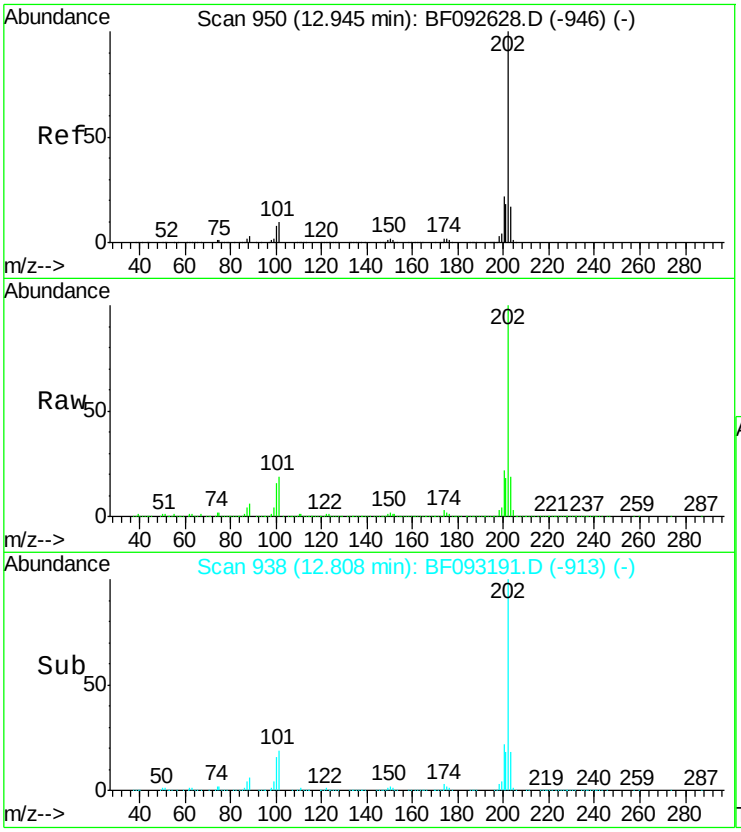


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:240 Resp: 298039

Ion	Ratio	Lower	Upper
240	100		
120	18.5	12.9	19.3
236	25.3	20.9	31.3



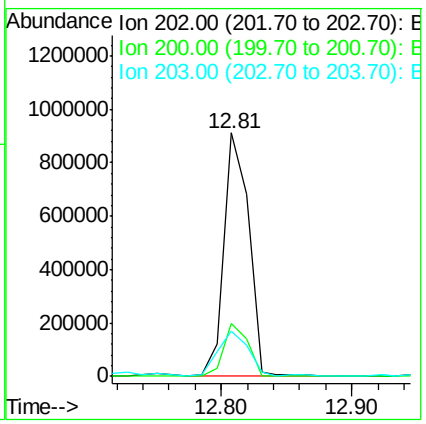


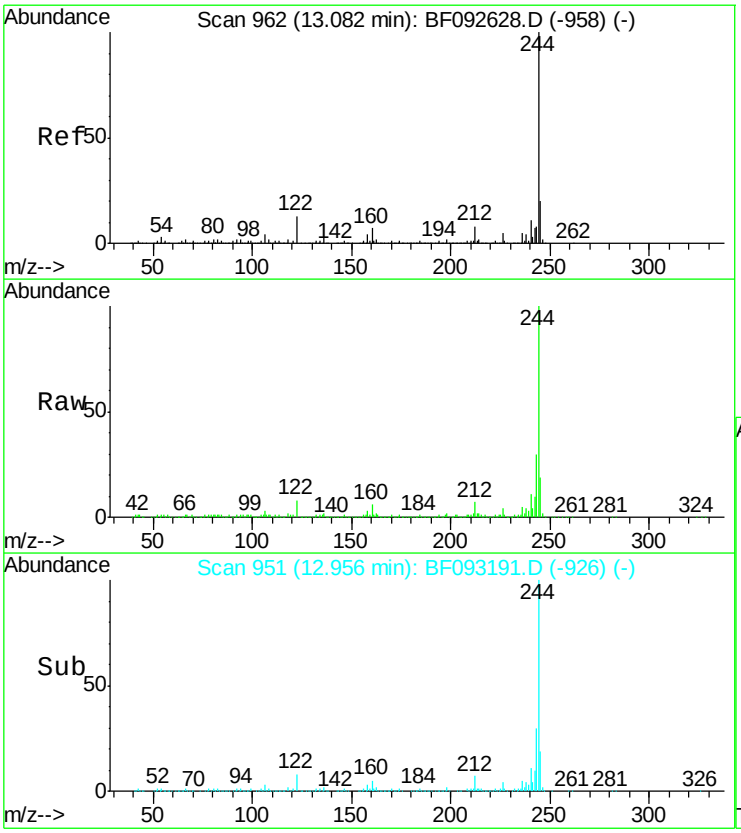
#77
Pyrene
Concen: 53.53 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:202 Resp: 1193926

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.7	14.7	22.1

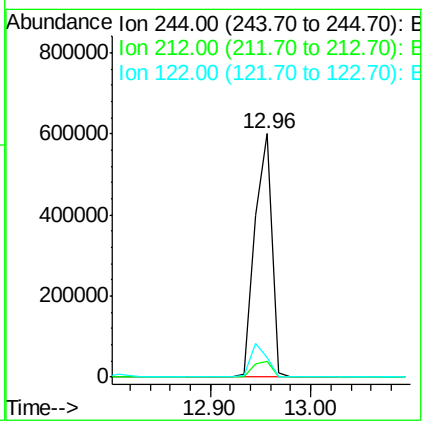


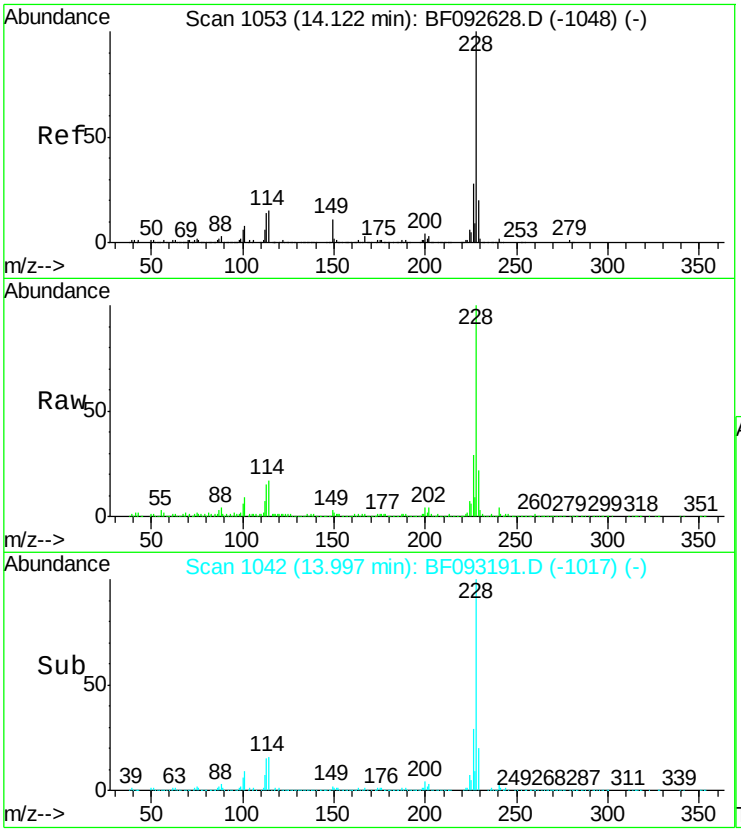


#78
Terphenyl-d14
Concen: 55.39 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:244 Resp: 702618

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	8.2	11.4	17.2#



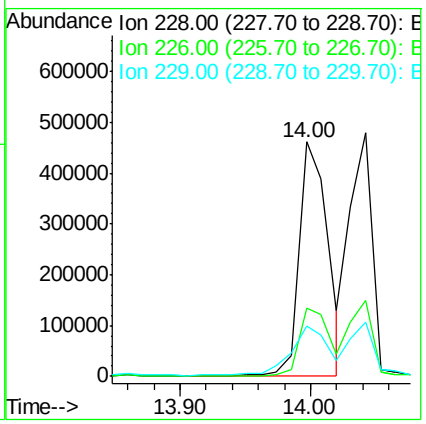


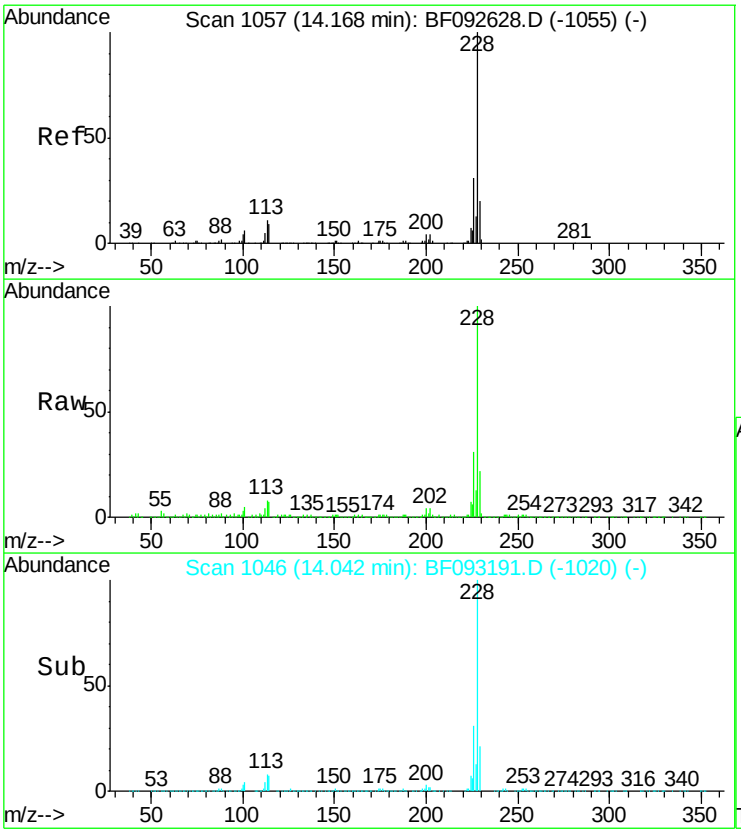
#80
Benzo(a)anthracene
Concen: 38.81 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:228 Resp: 707467

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.4	33.6
229	21.5	16.2	24.4

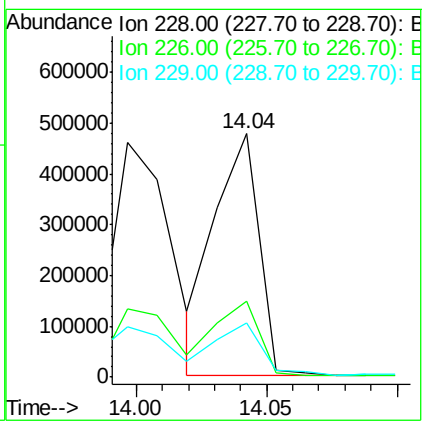


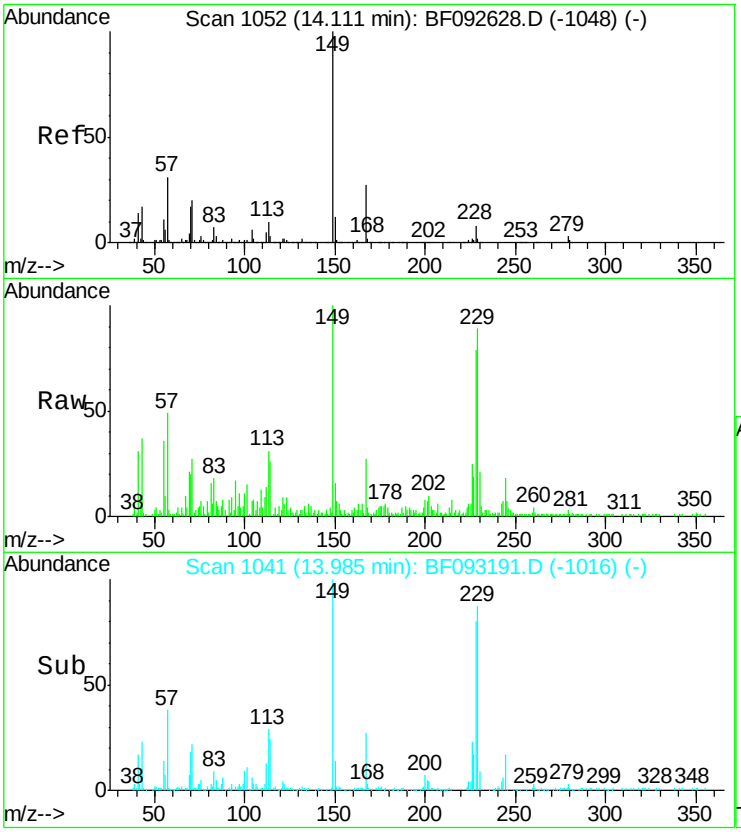


#82
Chrysene
Concen: 33.13 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:228 Resp: 565439

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	22.4	16.2	24.2



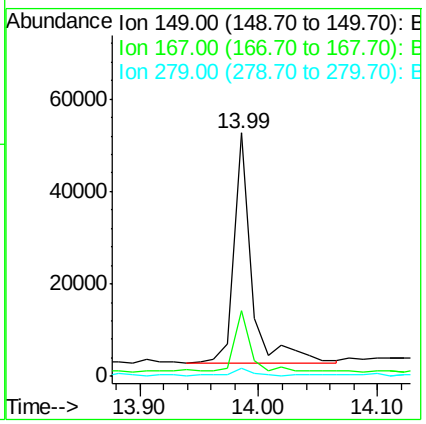


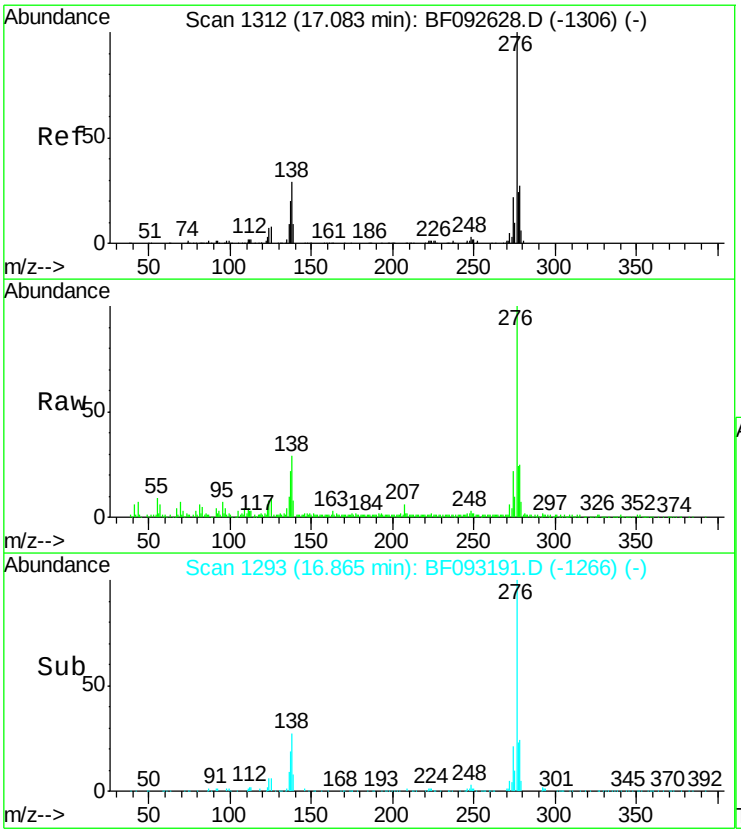
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.17 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:149 Resp: 51638

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.2	30.4
279	3.2	1.8	2.8#

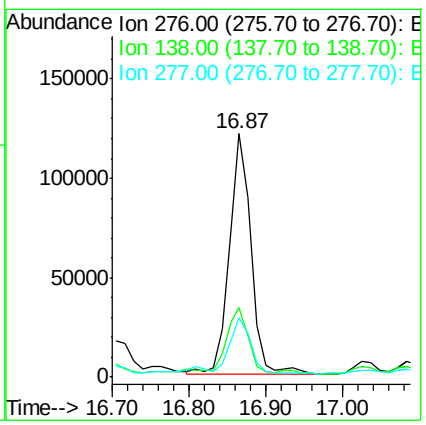


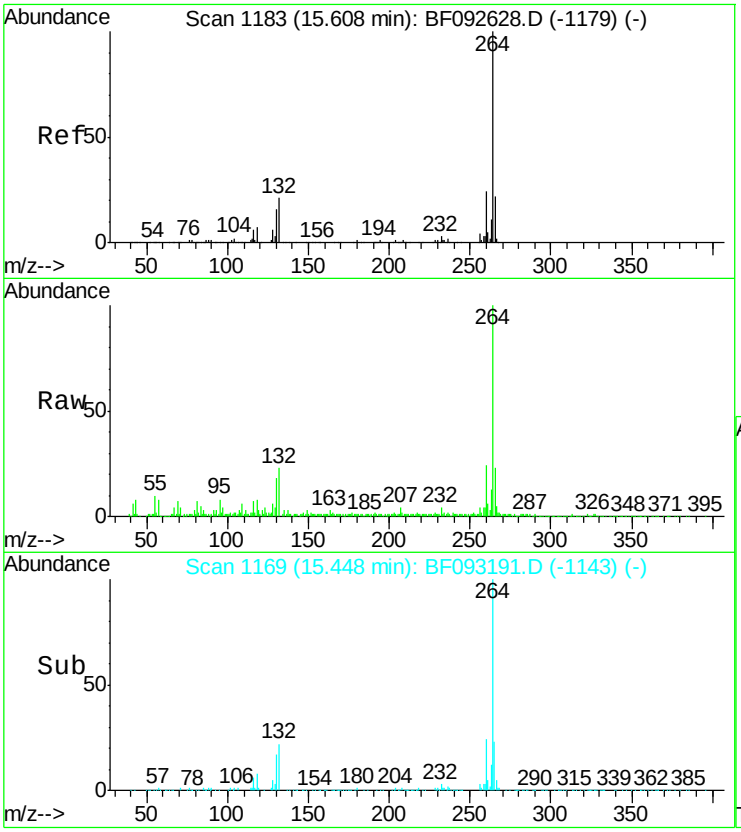


#85
Indeno(1,2,3-cd)pyrene
Concen: 18.25 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:276 Resp: 241242

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	22.1	20.2	30.4



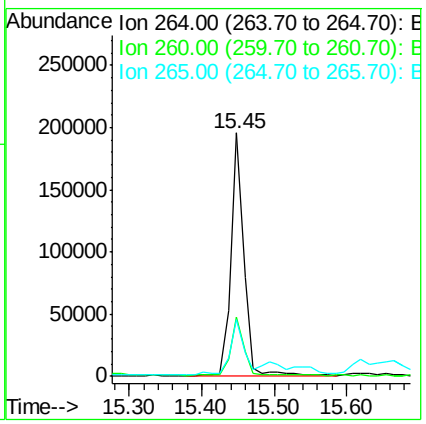


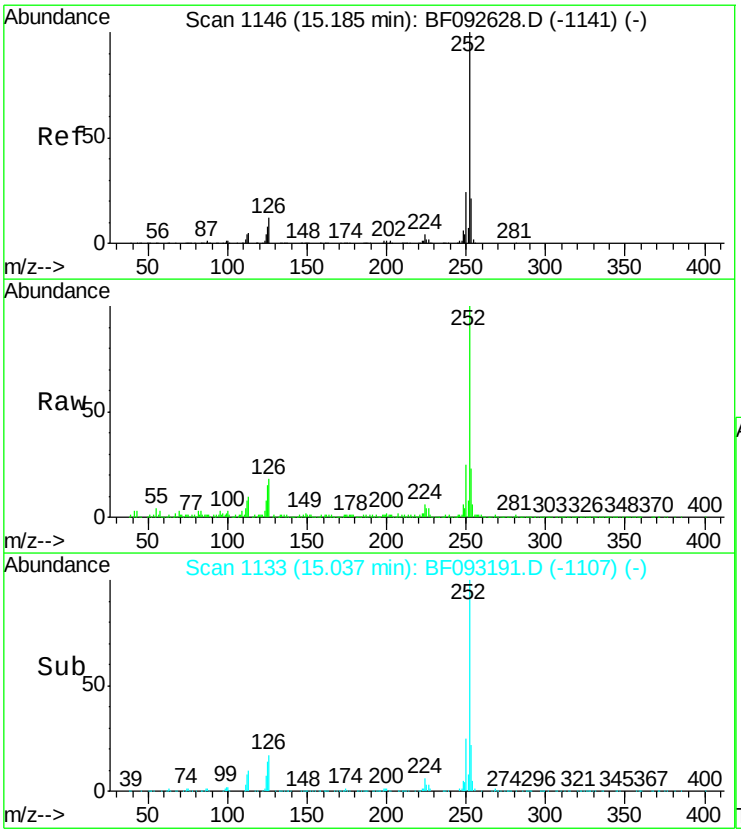
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:264 Resp: 238904

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.2	17.4	26.0

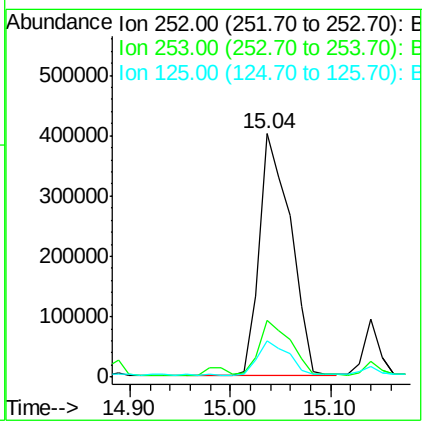


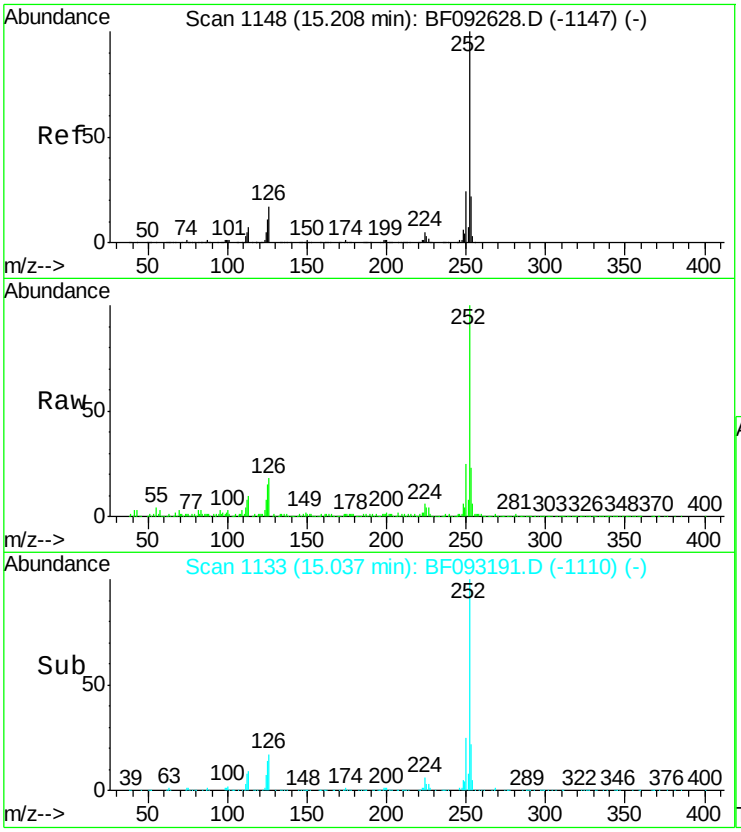


#87
Benzo(b)fluoranthene
Concen: 55.25 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:252 Resp: 868736

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	14.9	9.8	14.6#



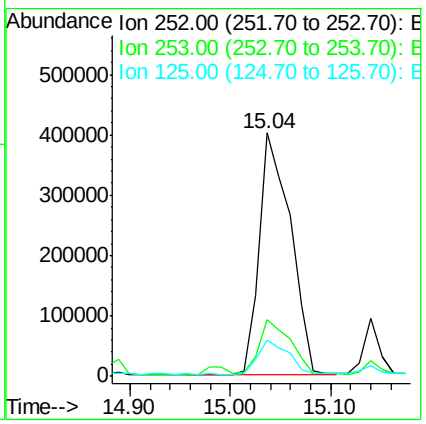


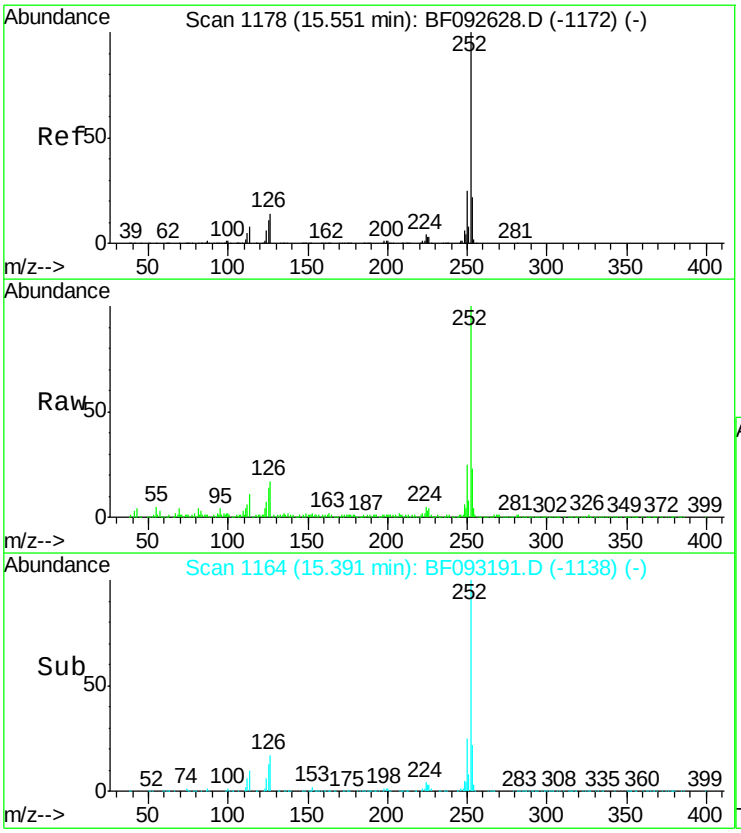
#88
Benzo(k)fluoranthene
Concen: 63.99 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:252 Resp: 868736

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	14.9	8.9	13.3#

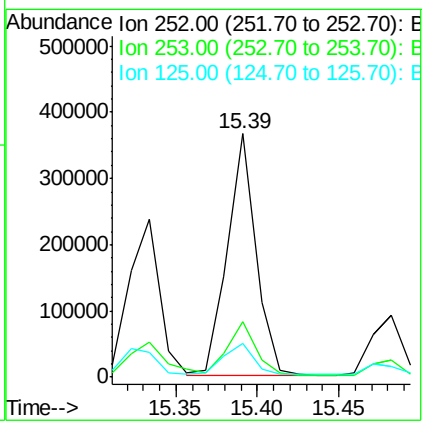


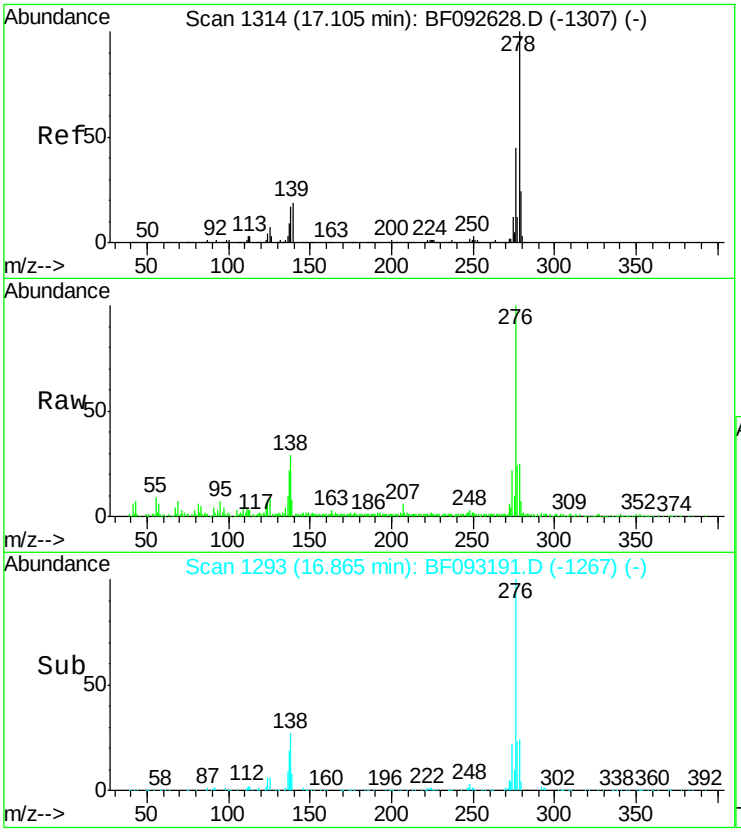


#89
Benzo(a)pyrene
Concen: 32.68 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:252 Resp: 444546

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	14.0	10.0	15.0



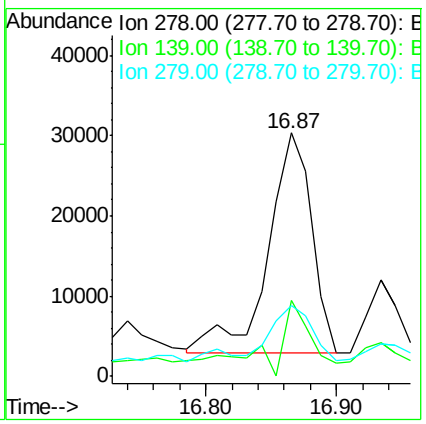


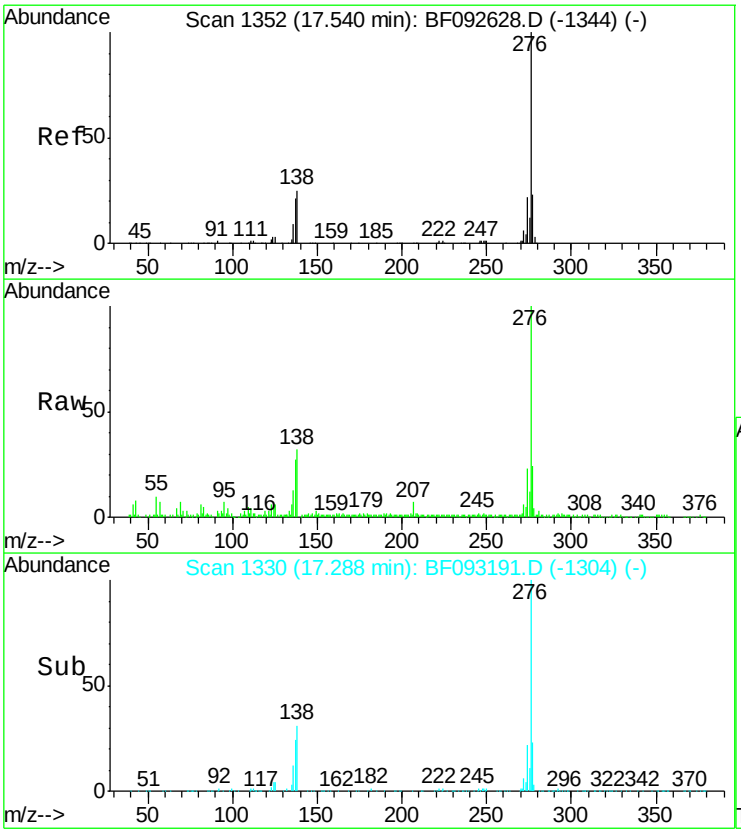
#90
Dibenzo(a,h)anthracene
Concen: 5.87 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-2

Tgt Ion:278 Resp: 64522

Ion	Ratio	Lower	Upper
278	100		
139	30.9	14.8	22.2#
279	29.3	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 20.51 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093191.D
Acq: 25 Feb 2017 14:28

Tgt Ion:276 Resp: 227744

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	32.3	16.0	24.0#