Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087863.D
Acq On : 9 Jun 2016 20:22
Operator : UM/SJ
Sample : H3380-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T5-B1(0-12)C

Quant Time: Jun 10 11:08:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	118117	20.00	ng		-0.02
21) Naphthalene-d8	8.11	136	441562	20.00	ng		-0.01
38) Acenaphthene-d10	9.85	164	175427	20.00	ng		-0.03
63) Phenanthrene-d10	11.34	188	258617	20.00	ng		-0.02
75) Chrysene-d12	13.95	240	226159	20.00	ng		-0.03
86) Perylene-d12	15.36	264	197090	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	177510	25.69	ng		-0.02
7) Phenol-d6	6.44	99	226797	27.09	ng		-0.03
23) Nitrobenzene-d5	7.38	82	124732	16.50	ng		-0.03
41) 2,4,6-Tribromophenol	10.64	330	35549	19.19	ng		-0.03
44) 2-Fluorobiphenyl	9.18	172	234480	16.54	ng		-0.03
78) Terphenyl-d14	12.91	244	157304	15.83	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.14	128	1854160	84.85	ng		98
37) 2-Methylnaphthalene	8.82	142	728825	50.60	ng		98
45) 1,1'-Biphenyl	9.28	154	239590	13.91	ng		97
48) Acenaphthylene	9.71	152	70027	3.88	ng	#	97
51) Acenaphthene	9.90	154	862796	76.59	ng		98
54) Dibenzofuran	10.06	168	774948	49.95	ng	#	88
57) Fluorene	10.40	166	725589	72.13	ng		100
70) Phenanthrene	11.37	178	1938601	142.85	ng		98
71) Anthracene	11.42	178	573962	41.93	ng		98
72) Carbazole	11.56	167	246206	19.22	ng		97
74) Fluoranthene	12.55	202	1358975	94.89	ng		99
77) Pyrene	12.78	202	1145361	68.25	ng		100
80) Benzo(a)anthracene	13.94	228	319060	24.76	ng		98
82) Chrysene	13.99	228	227457m	18.76	ng		
85) Indeno(1,2,3-cd)pyrene	16.72	276	27779	2.47	ng	#	100
87) Benzo(b)fluoranthene	14.96	252	184626m	13.44	ng		
88) Benzo(k)fluoranthene	14.98	252	35983m	3.47	ng		
89) Benzo(a)pyrene	15.30	252	87616	7.88	ng		98
91) Benzo(g,h,i)perylene	17.13	276	25350	2.39	ng		96

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

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T5-B1(0-12)C

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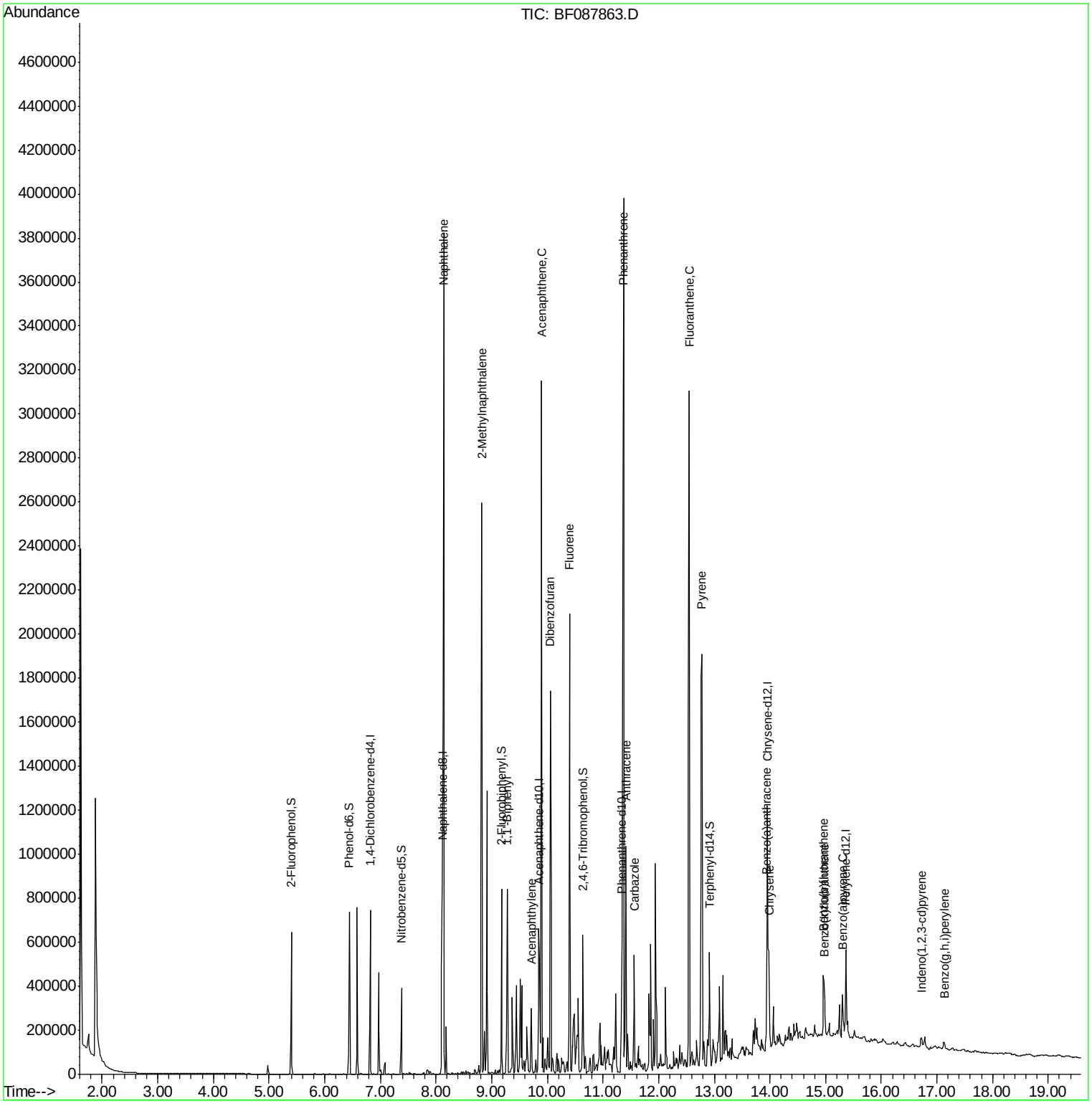
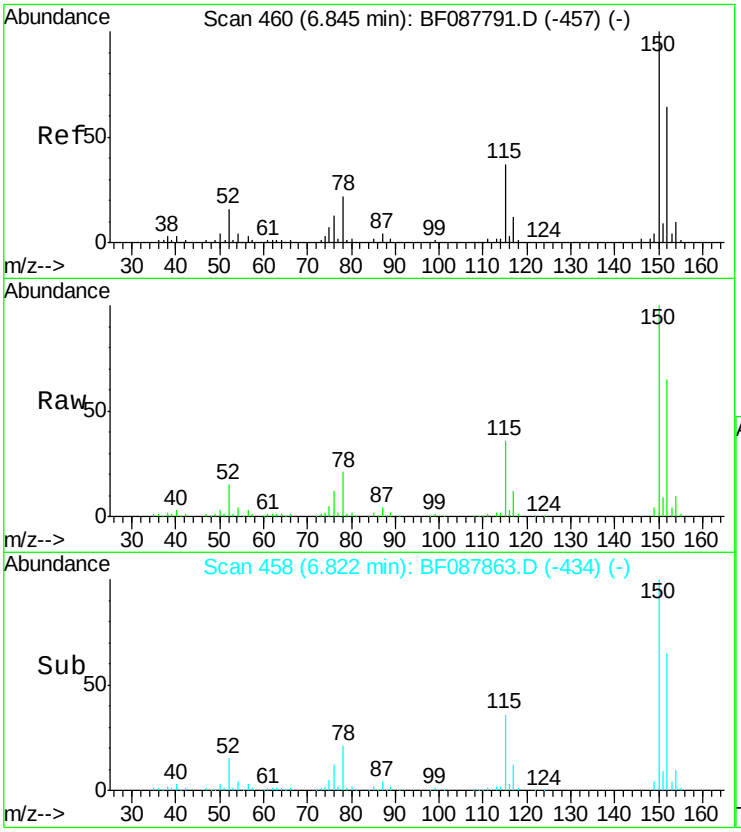


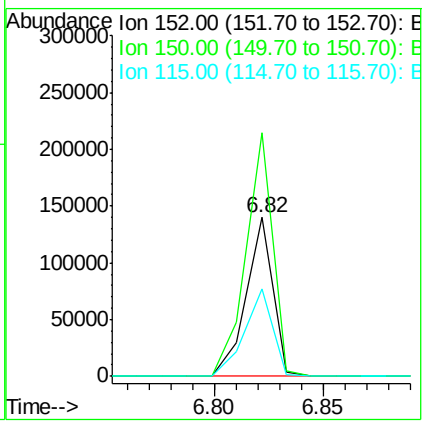


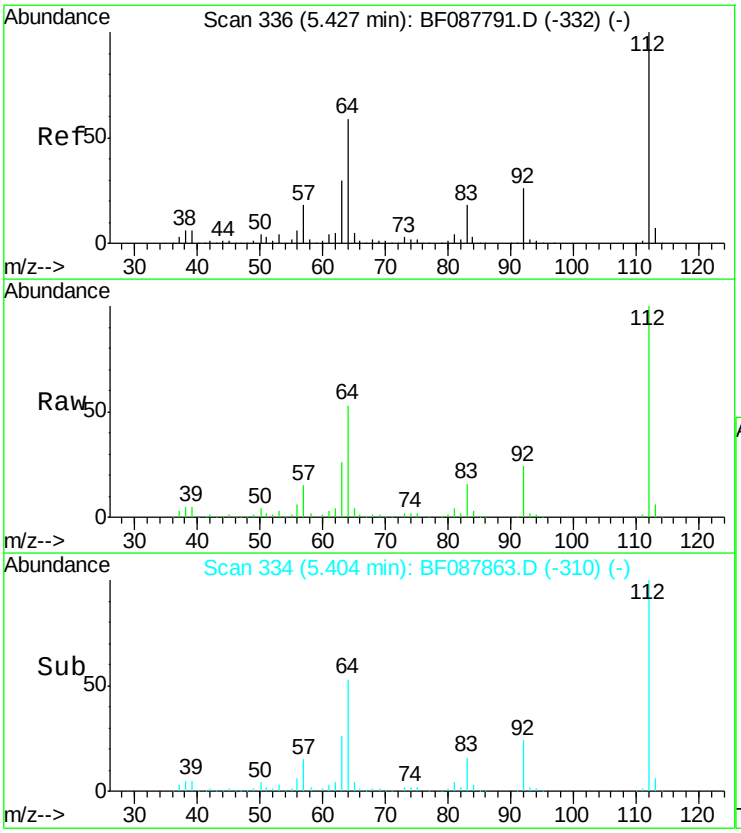
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:152 Resp: 118117

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.8	185.6
115	55.4	39.6	59.4

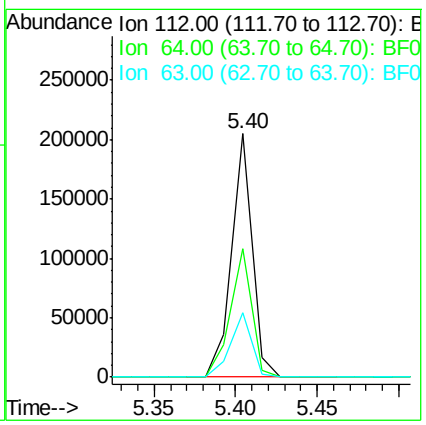


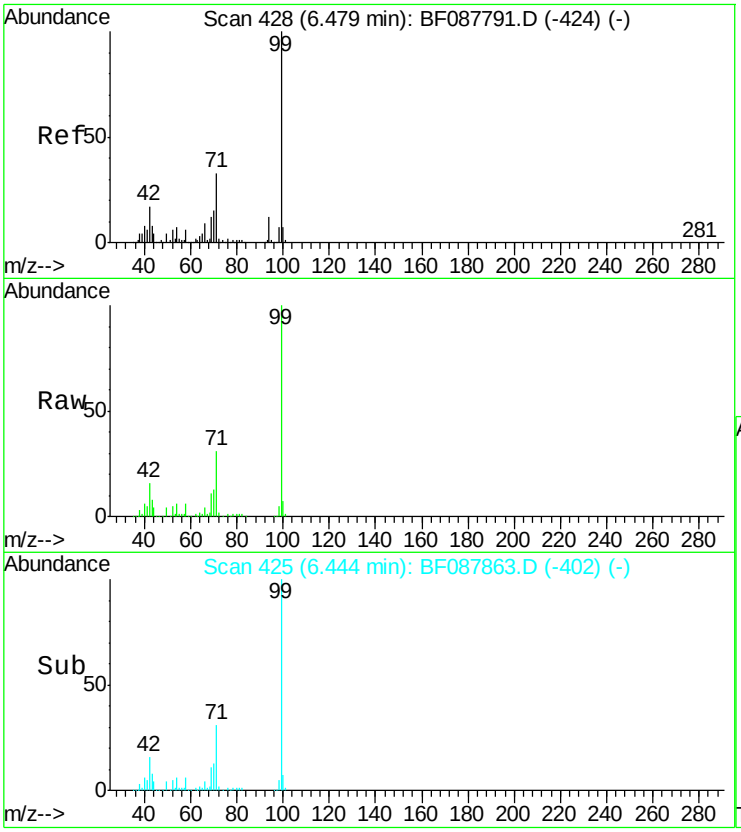


#5
2-Fluorophenol
Concen: 25.69 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:112 Resp: 177510

Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.2	63.2
63	26.4	21.8	32.8



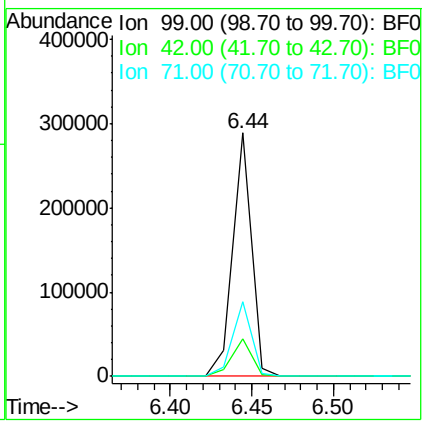


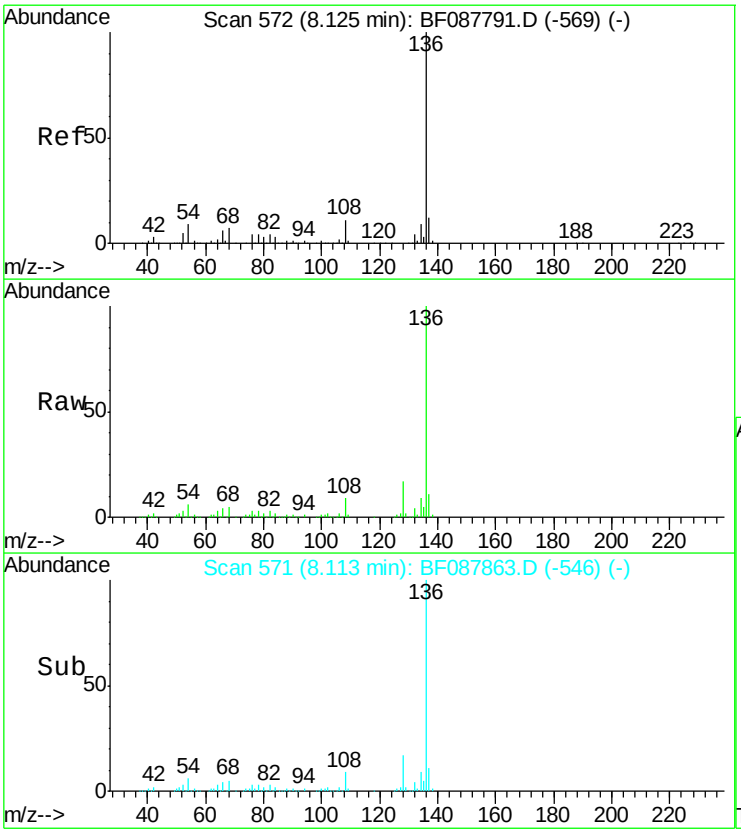
#7
Phenol-d6
Concen: 27.09 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion: 99 Resp: 226797

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	30.7	23.4	35.0

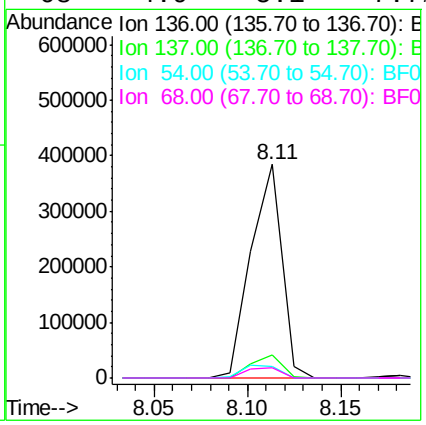


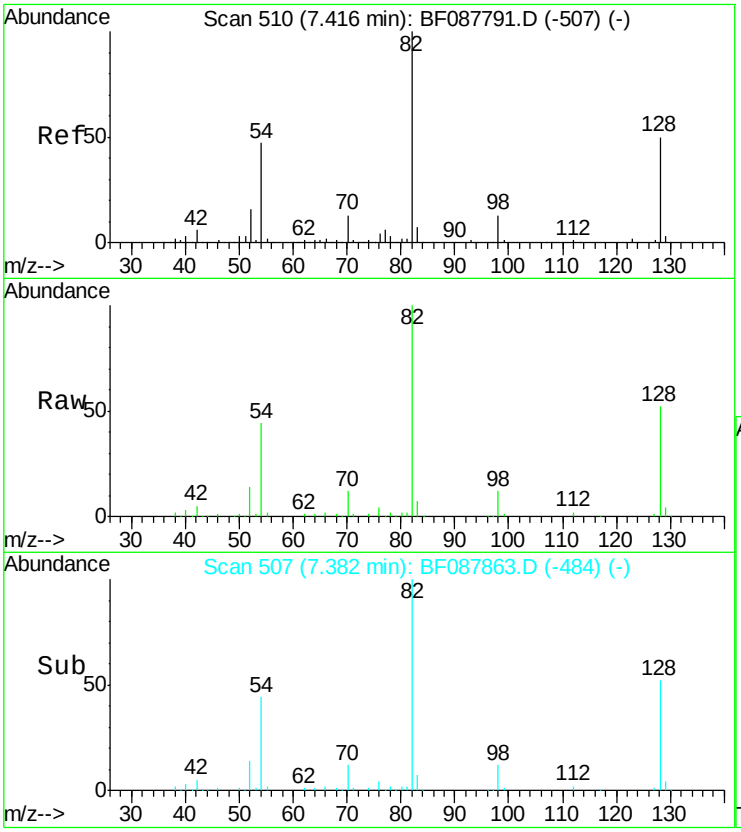


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:136 Resp: 441562

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.6	6.6	10.0#
68	4.9	5.1	7.7#



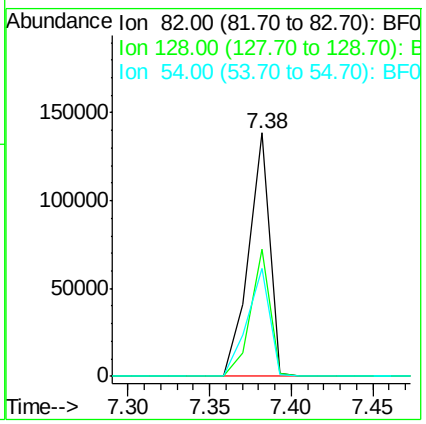


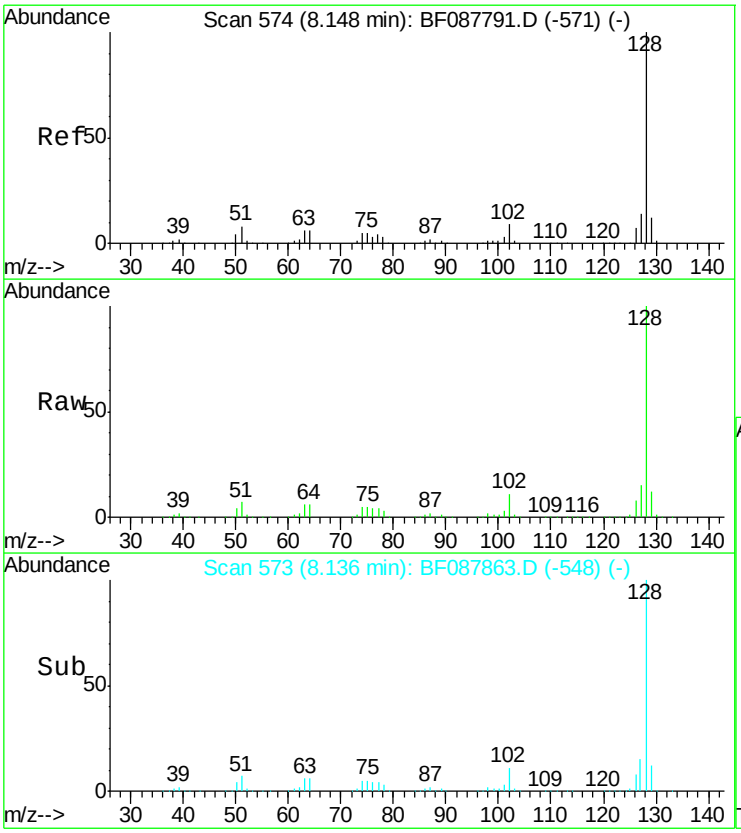
#23
Nitrobenzene-d5
Concen: 16.50 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion: 82 Resp: 124732

Ion	Ratio	Lower	Upper
82	100		
128	52.0	35.9	53.9
54	44.5	40.9	61.3

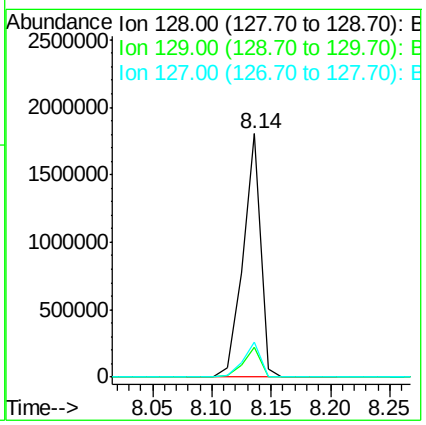


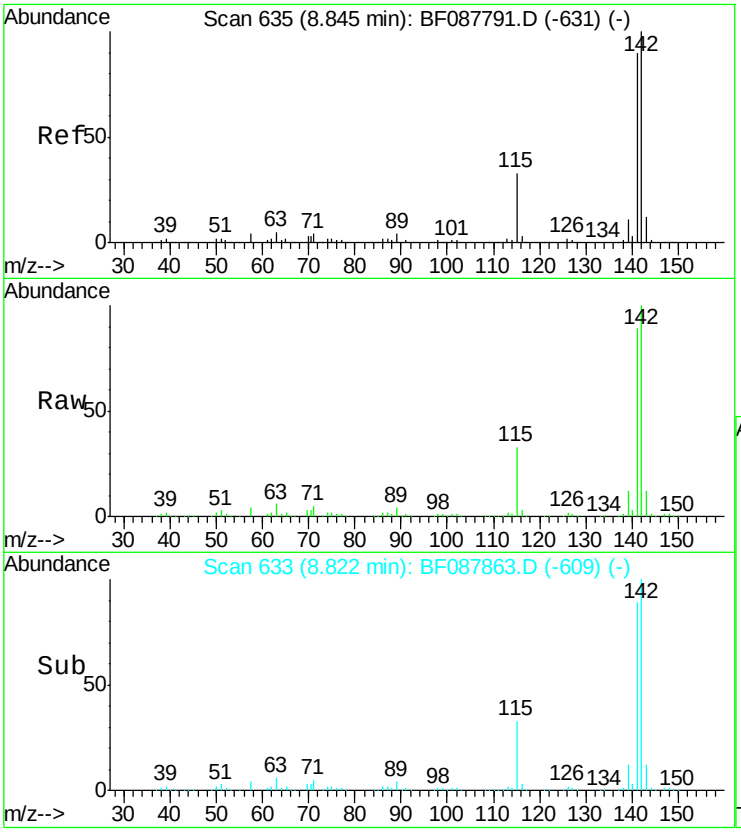


#31
Naphthalene
Concen: 84.85 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:128 Resp: 1854160

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.2
127	14.6	10.9	16.3



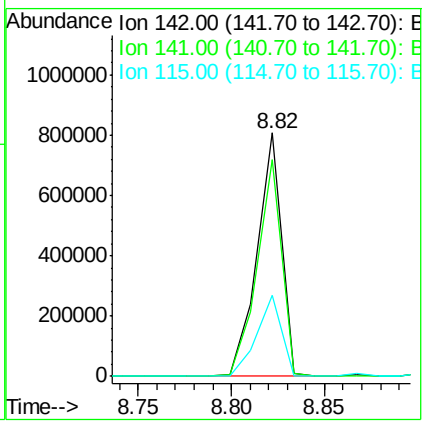


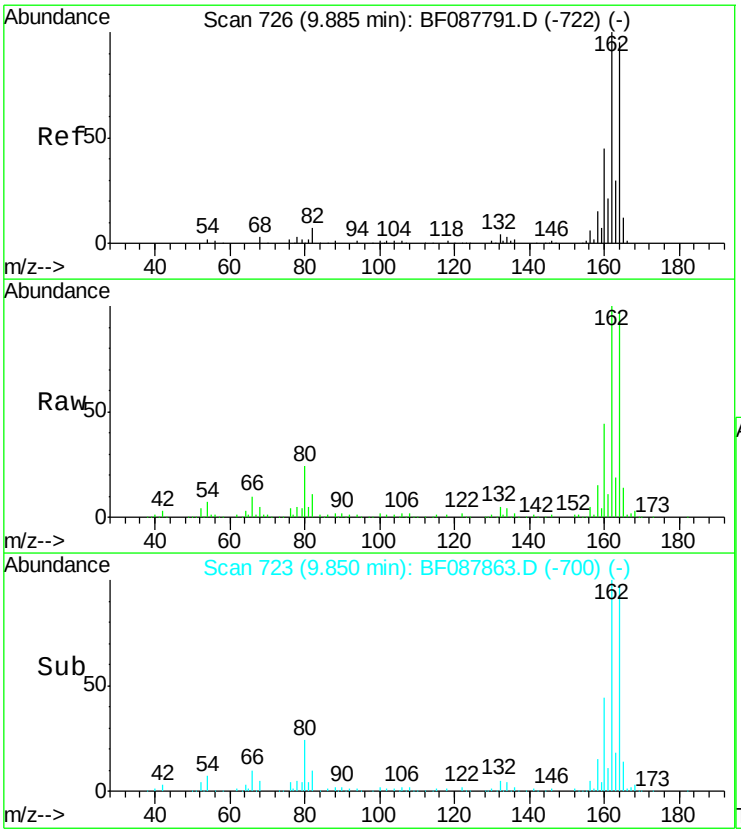
#37
2-Methylnaphthalene
Concen: 50.60 ng
RT: 8.82 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:142 Resp: 728825

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	33.4	22.6	33.8

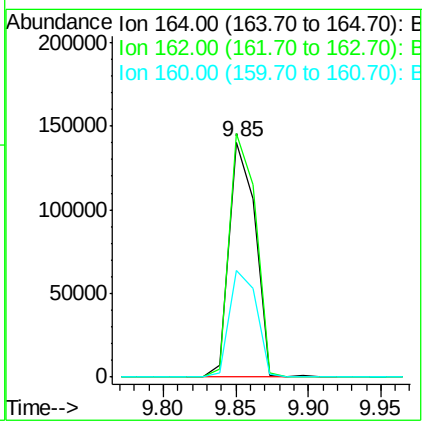


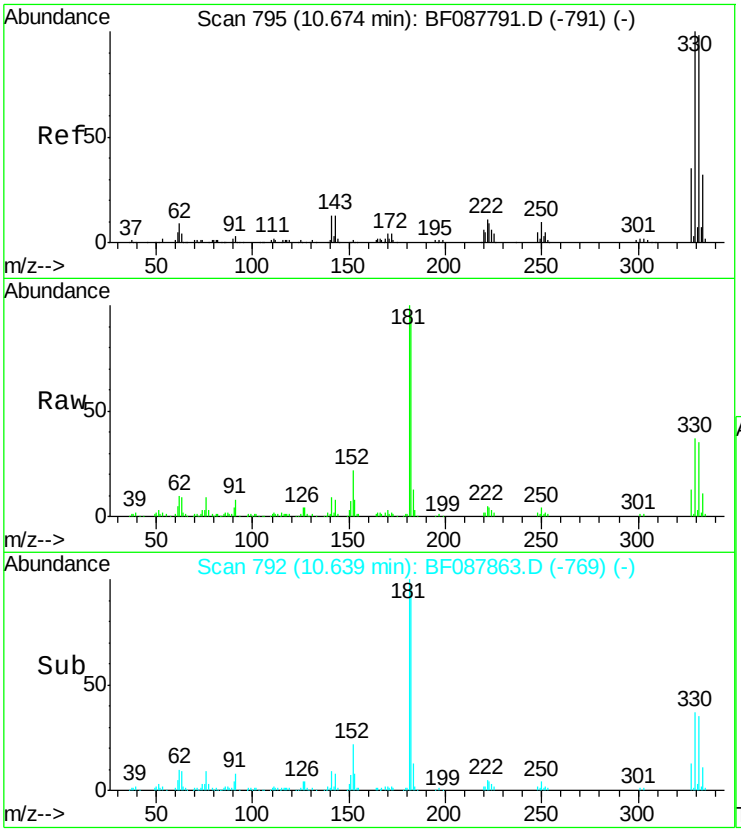


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:164 Resp: 175427

Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.4	128.2
160	45.5	39.5	59.3



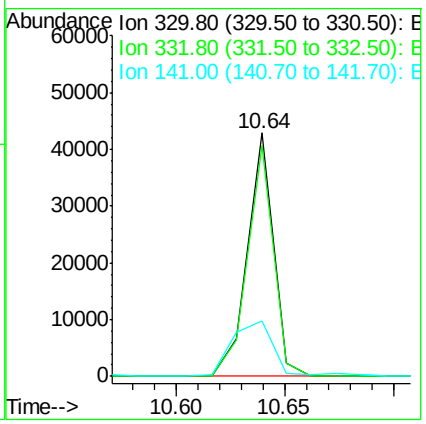


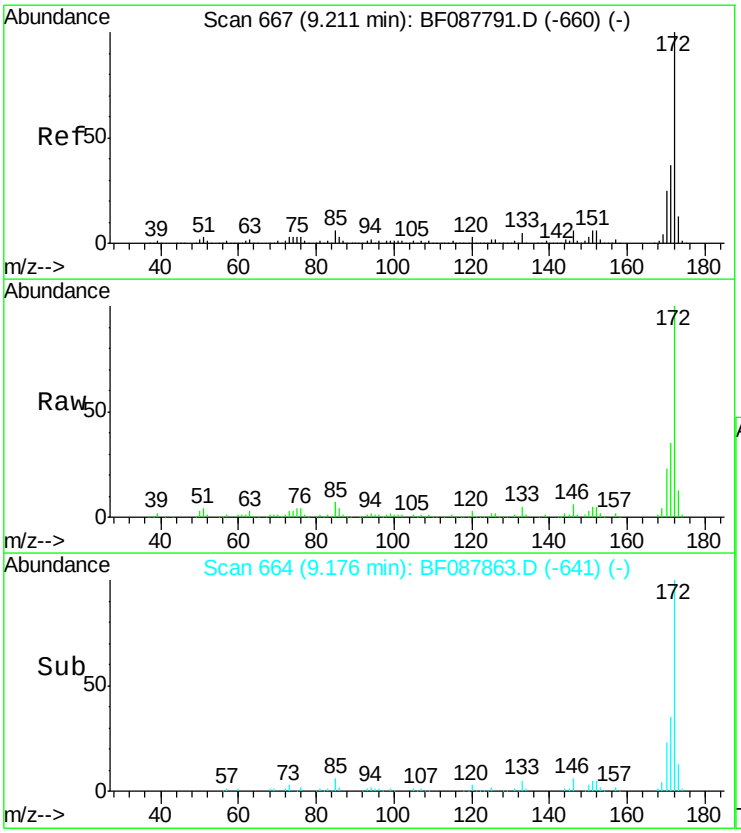
#41
2,4,6-Tribromophenol
Concen: 19.19 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:330 Resp: 35549

Ion	Ratio	Lower	Upper
330	100		
332	95.6	0.0	0.0#
141	37.8	0.0	0.0#

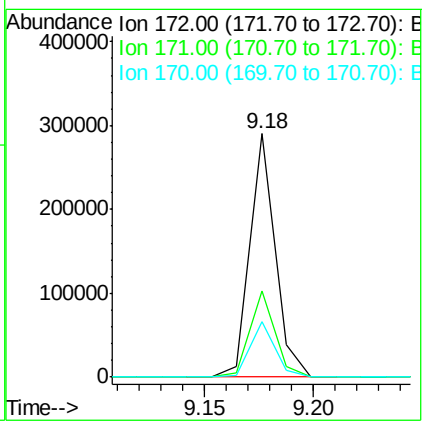


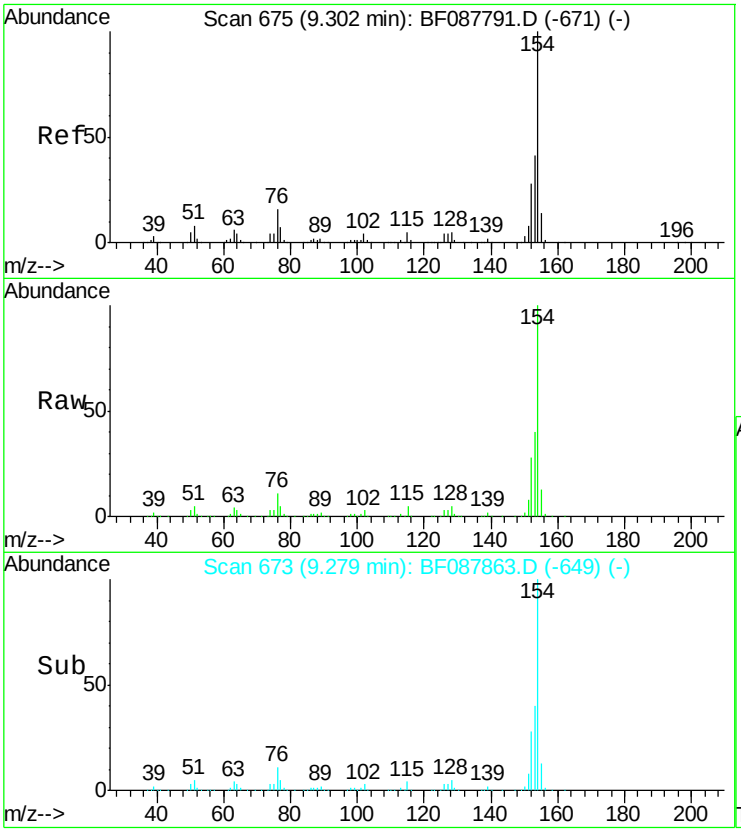


#44
2-Fluorobiphenyl
Concen: 16.54 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:172 Resp: 234480

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.0	19.2	28.8



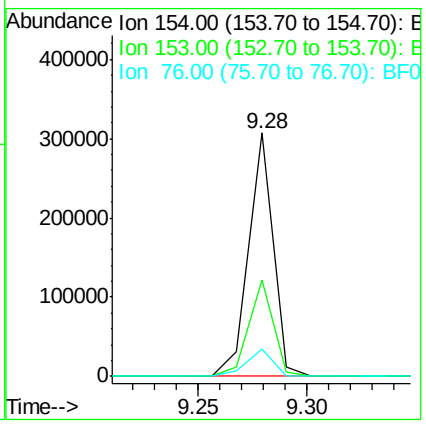


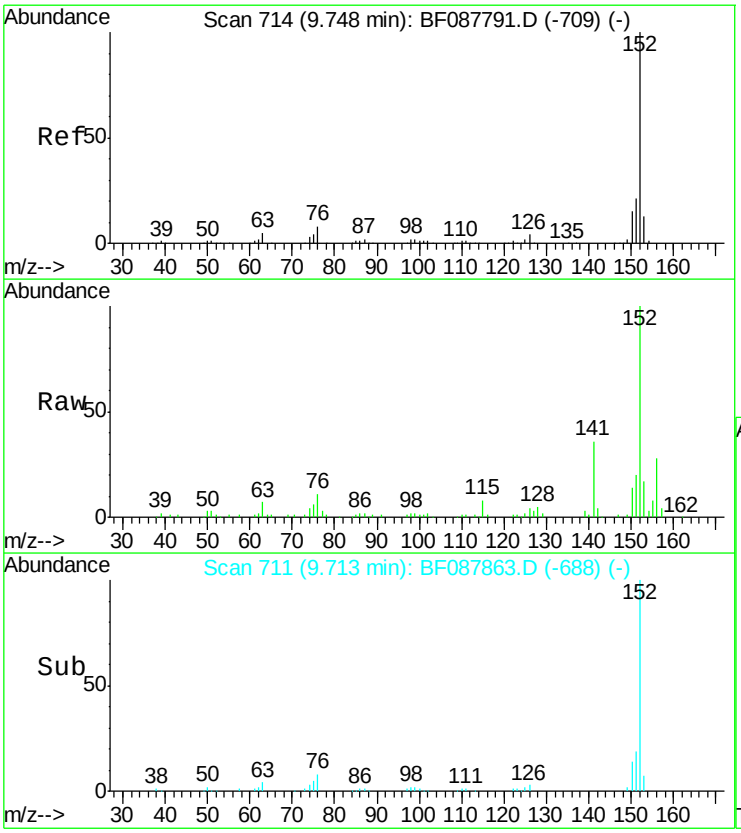
#45
1,1'-Biphenyl
Concen: 13.91 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:154 Resp: 239590

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.6	60.6
76	11.4	0.0	35.1

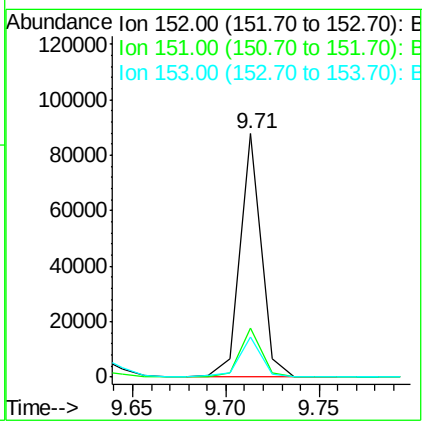


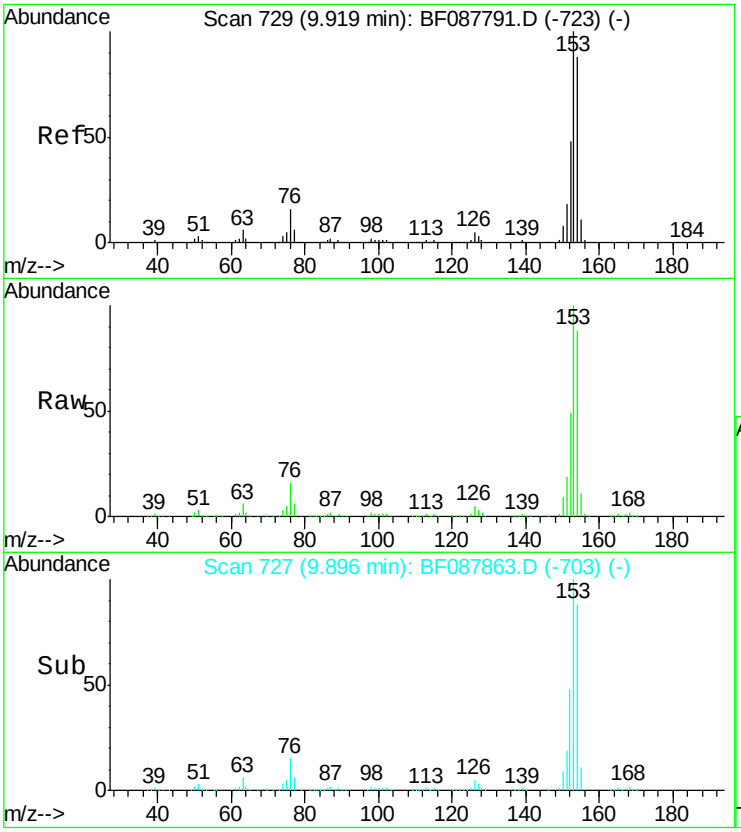


#48
Acenaphthylene
Concen: 3.88 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:152 Resp: 70027

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	16.7	11.0	16.6#



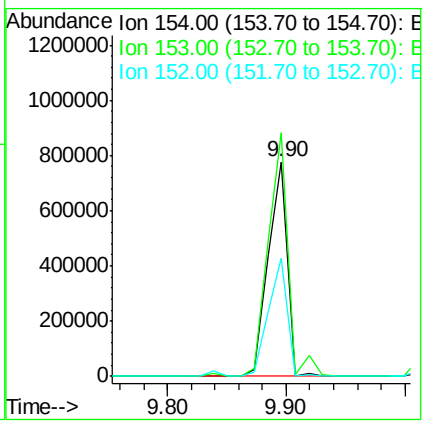


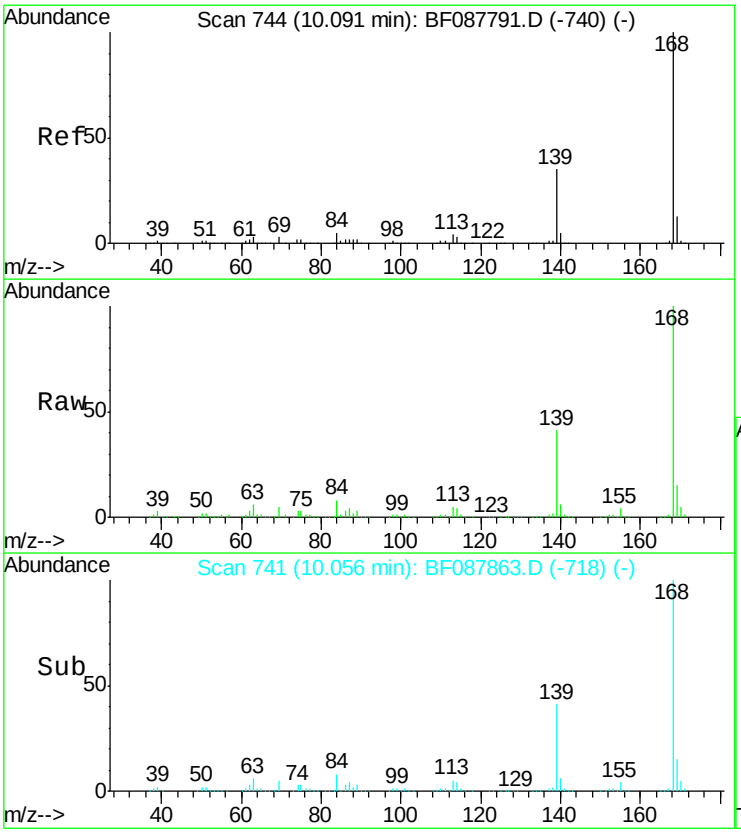
#51
Acenaphthene
Concen: 76.59 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:154 Resp: 862796

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.5	134.3
152	55.2	42.7	64.1

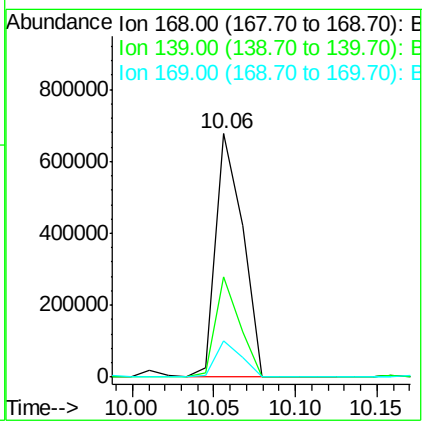


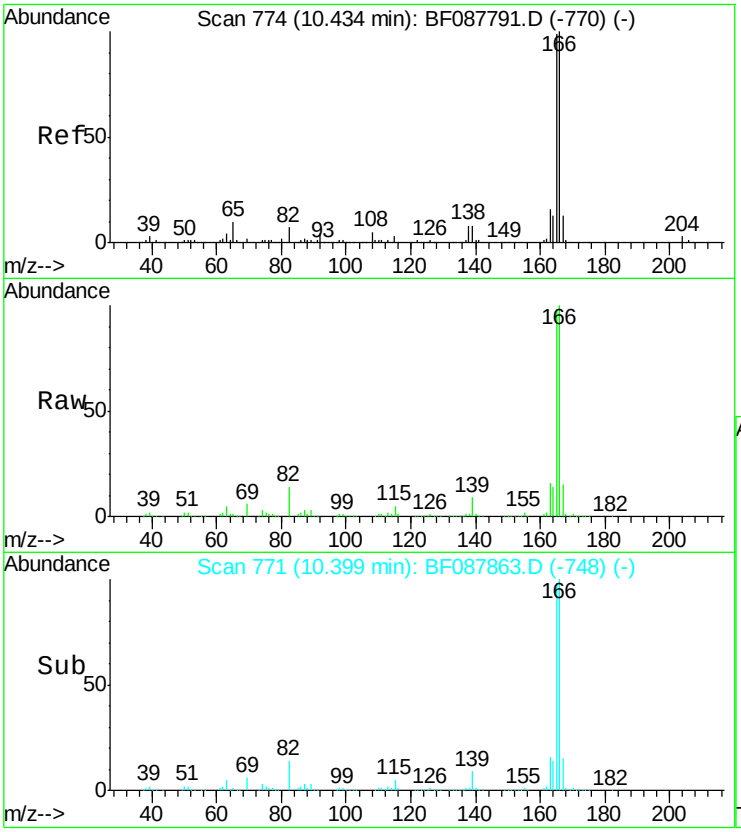


#54
Dibenzofuran
Concen: 49.95 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:168 Resp: 774948

Ion	Ratio	Lower	Upper
168	100		
139	41.1	26.4	39.6#
169	14.9	10.4	15.6



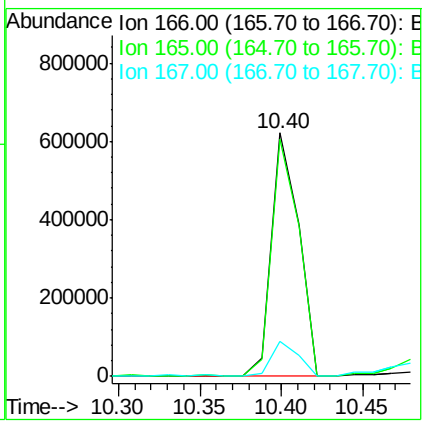


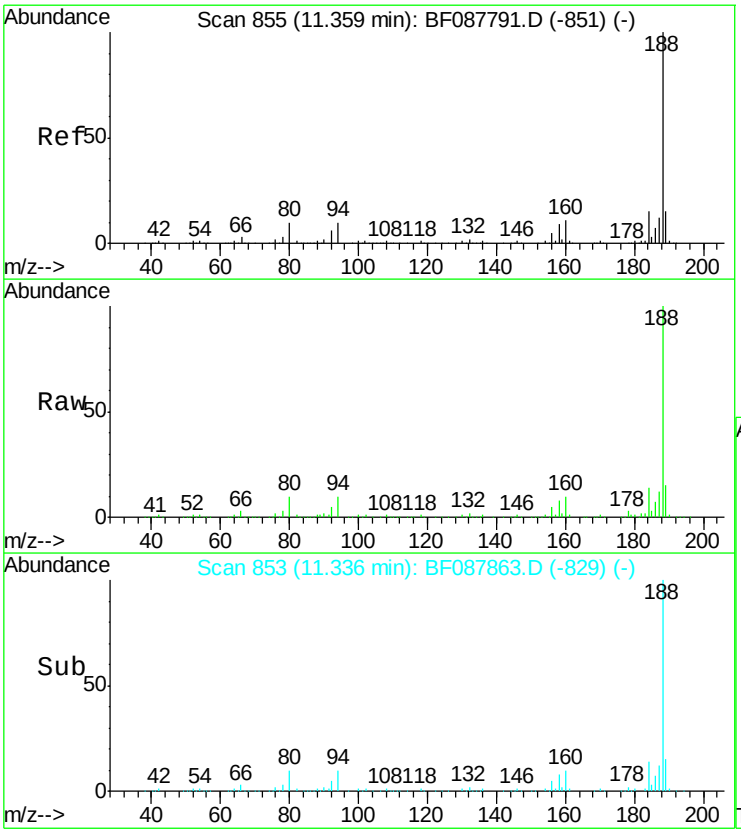
#57
Fluorene
Concen: 72.13 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:166 Resp: 725589

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	14.6	11.2	16.8

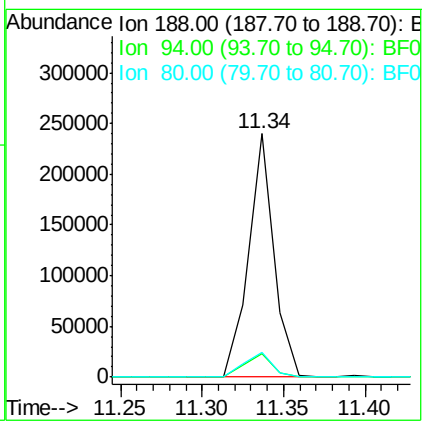


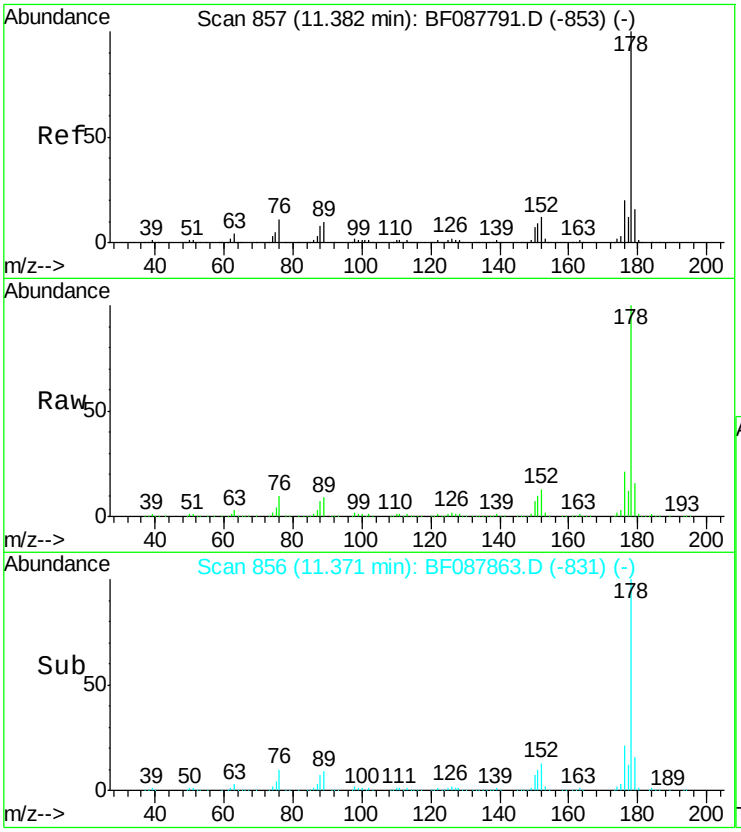


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:188 Resp: 258617

Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.6
80	9.9	10.0	15.0#



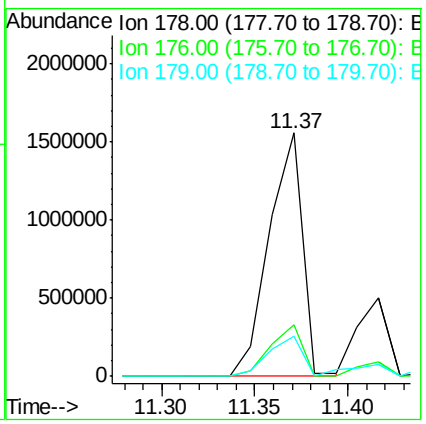


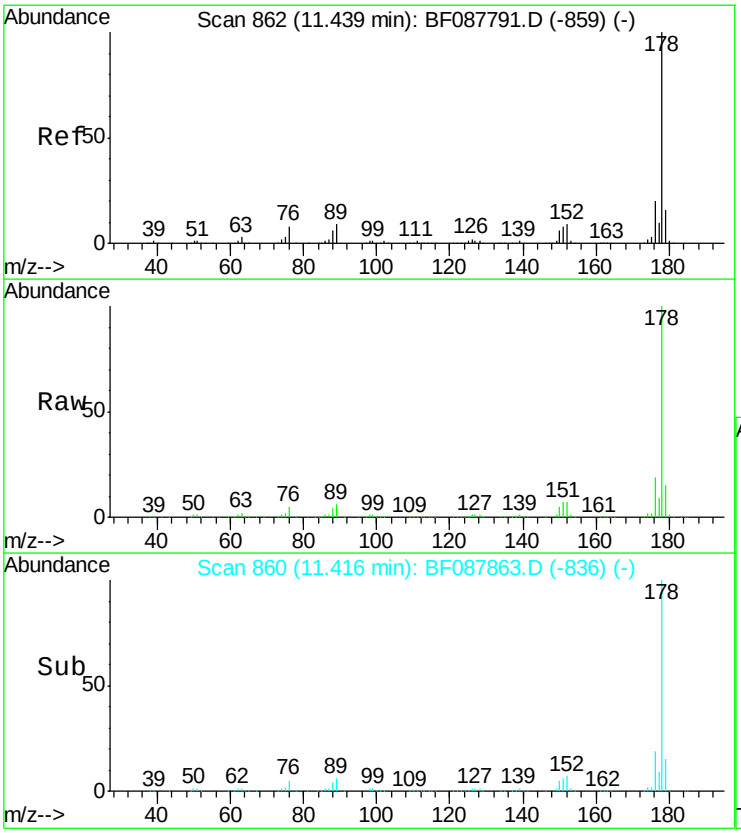
#70
Phenanthrene
Concen: 142.85 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:178 Resp: 1938601

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.6
179	16.5	13.0	19.4

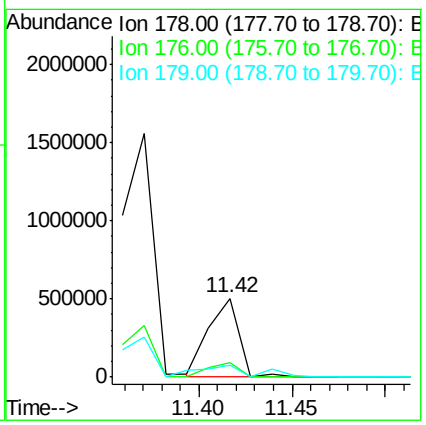


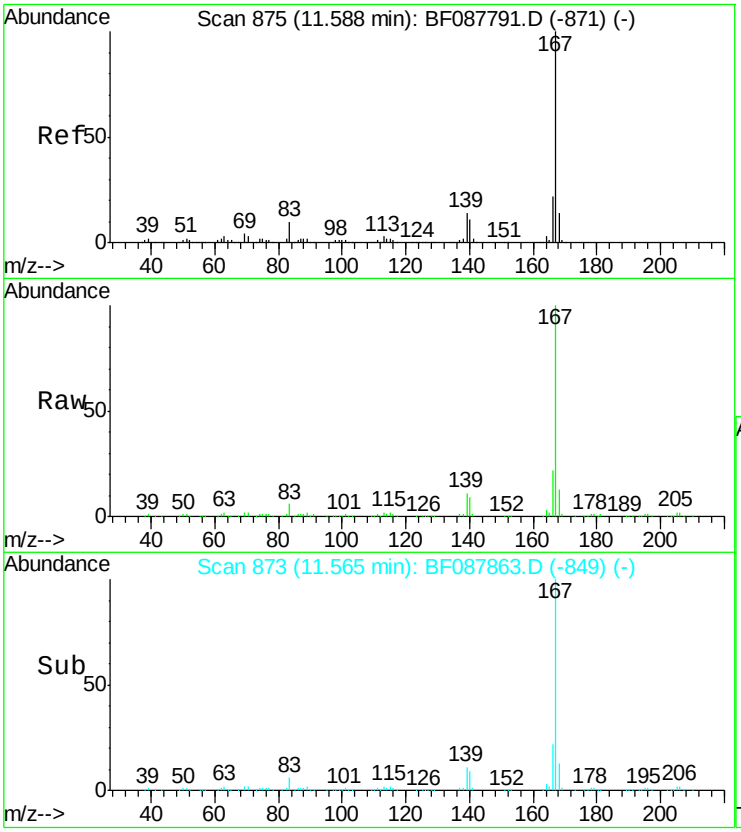


#71
Anthracene
Concen: 41.93 ng
RT: 11.42 min Scan# 860
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:178 Resp: 573962

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.1	12.8	19.2



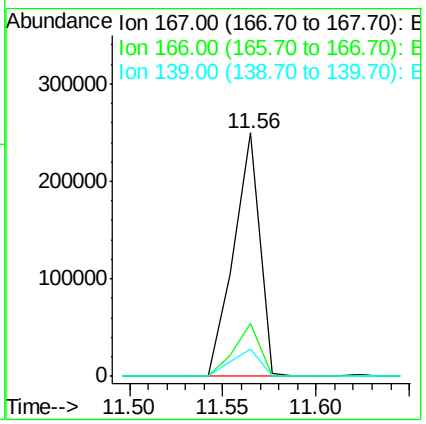


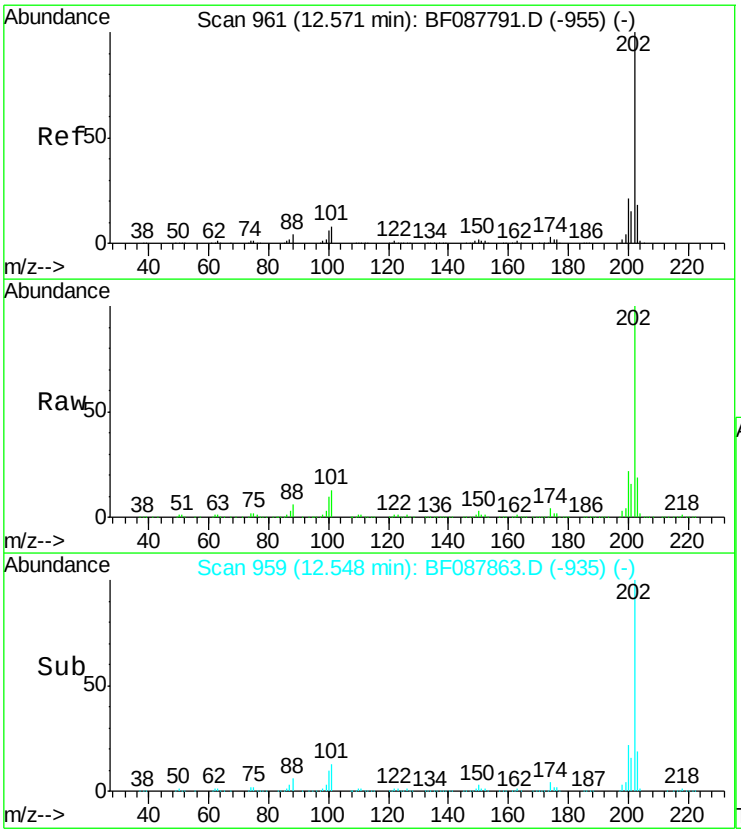
#72
Carbazole
Concen: 19.22 ng
RT: 11.56 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:167 Resp: 246206

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	11.3	11.2	16.8

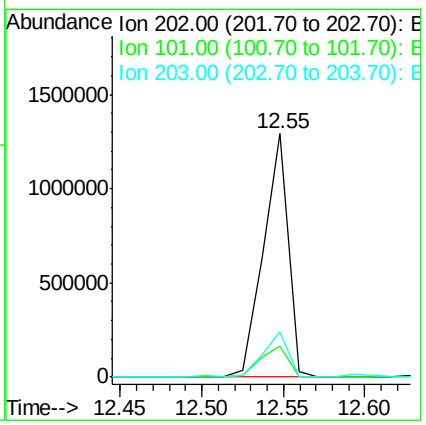


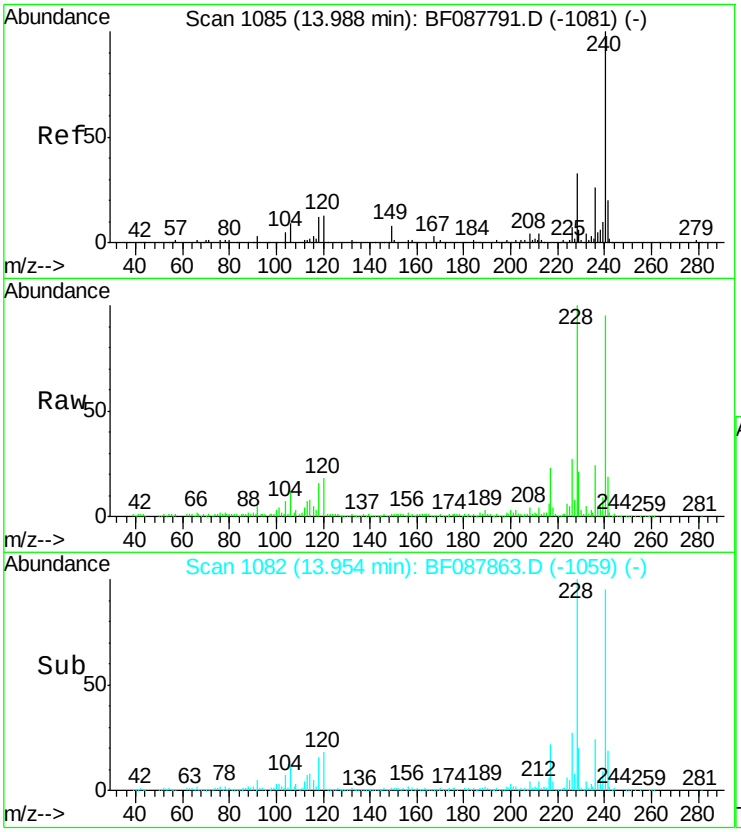


#74
Fluoranthene
Concen: 94.89 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:202 Resp: 1358975

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.1
203	18.6	0.0	38.1



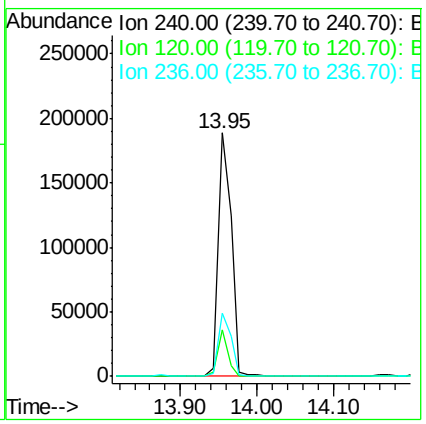


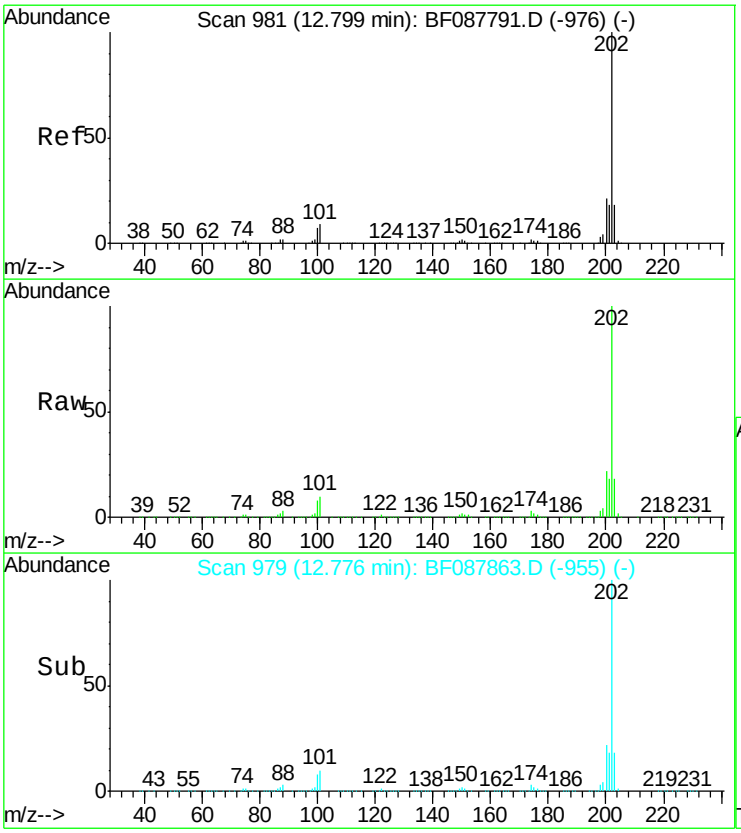
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:240 Resp: 226159

Ion	Ratio	Lower	Upper
240	100		
120	19.0	6.8	10.2#
236	25.8	20.2	30.2

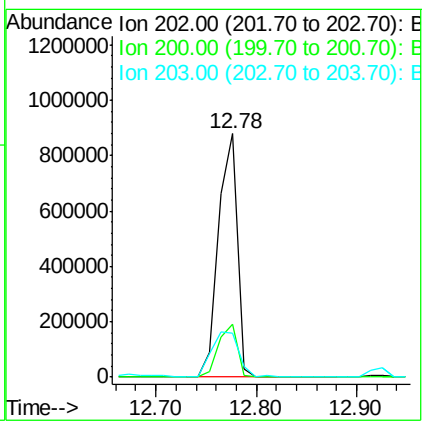


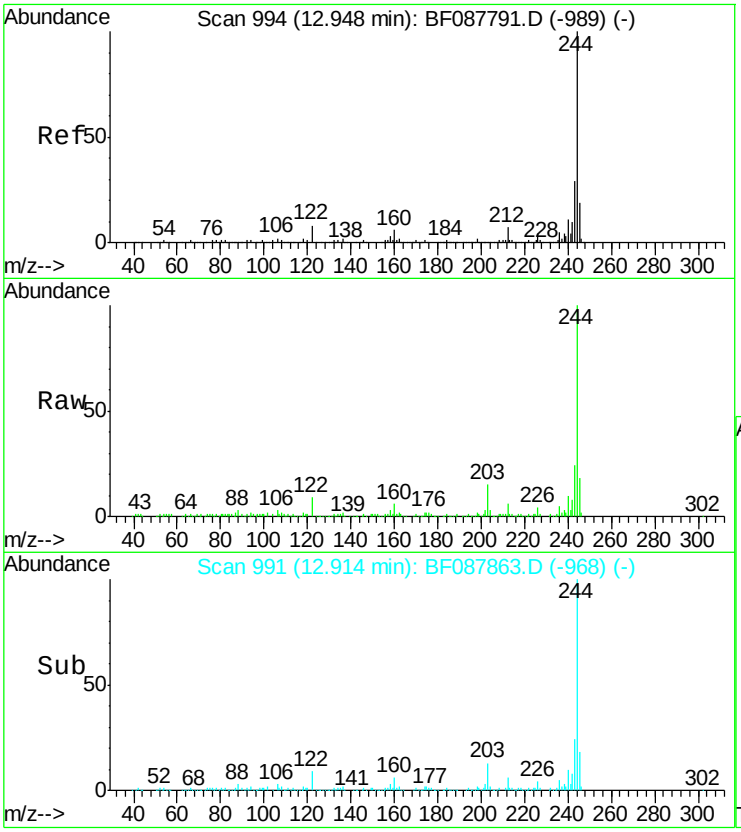


#77
Pyrene
Concen: 68.25 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:202 Resp: 1145361

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.2	14.5	21.7



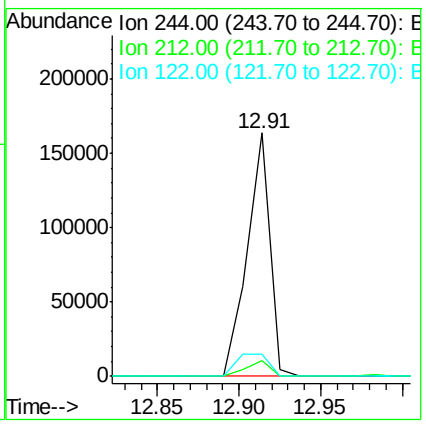


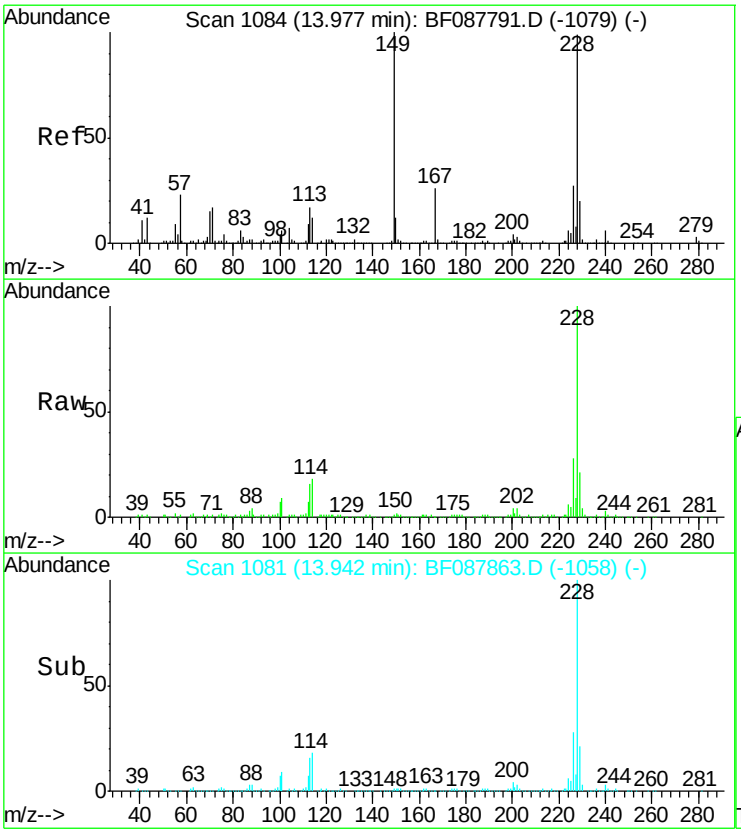
#78
Terphenyl-d14
Concen: 15.83 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:244 Resp: 157304

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	9.0	11.2	16.8#

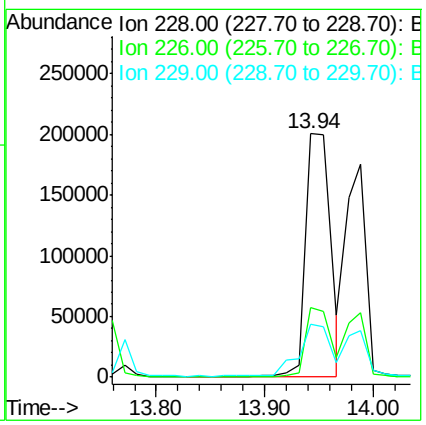


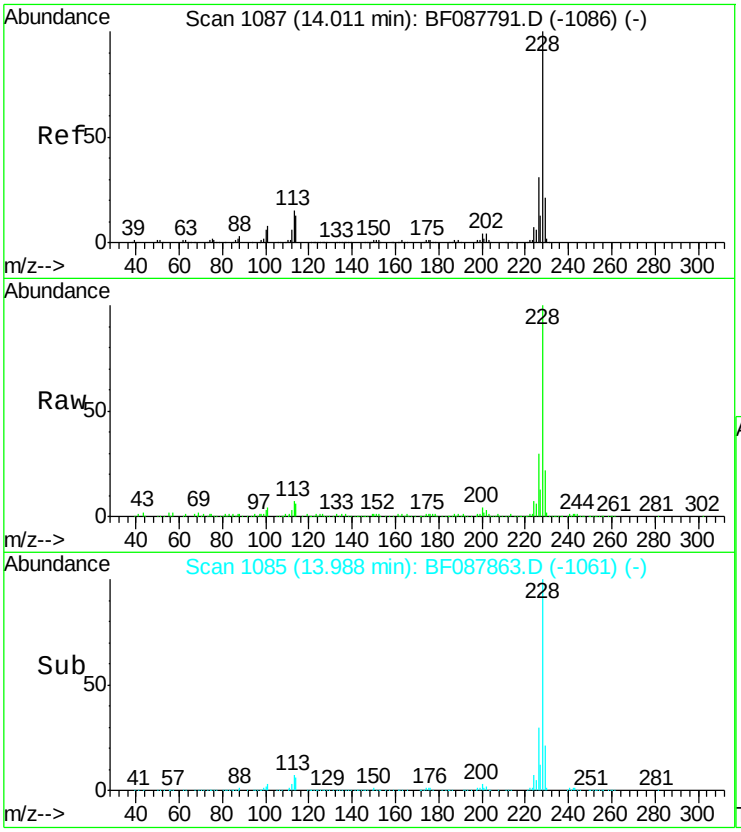


#80
Benzo(a)anthracene
Concen: 24.76 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:228 Resp: 319060

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	21.5	16.0	24.0



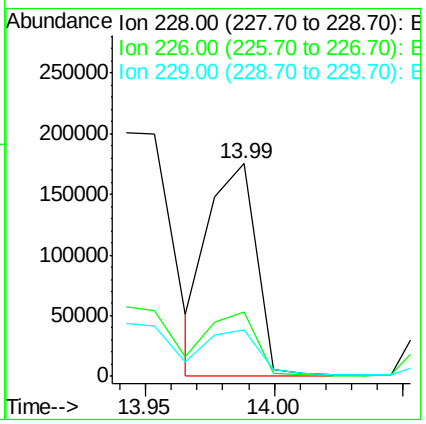


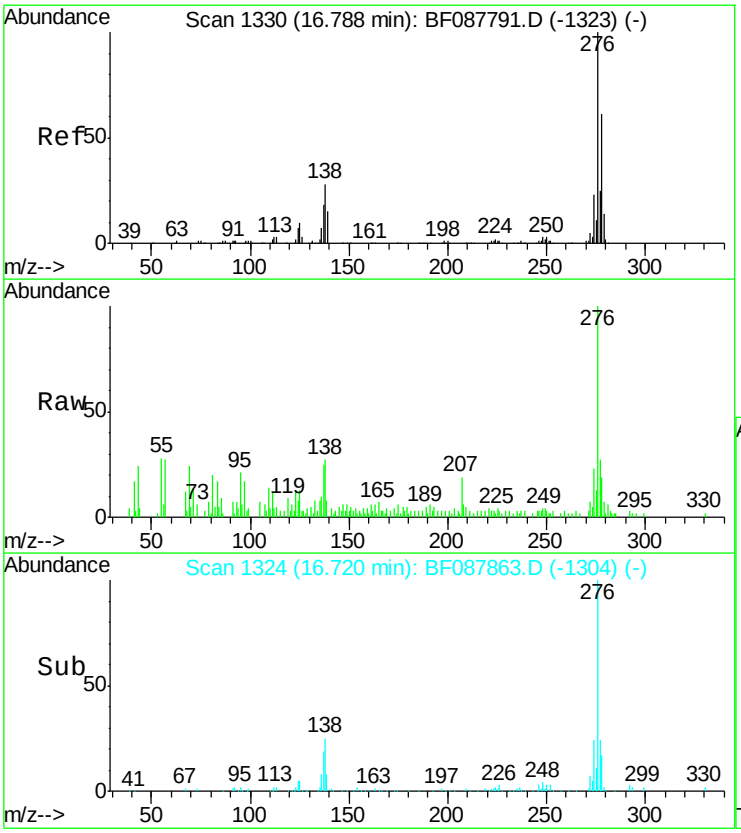
#82
Chrysene
Concen: 18.76 ng m
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:228 Resp: 227457

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	22.1	16.3	24.5

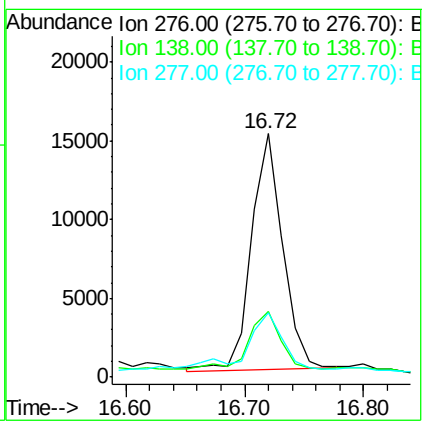


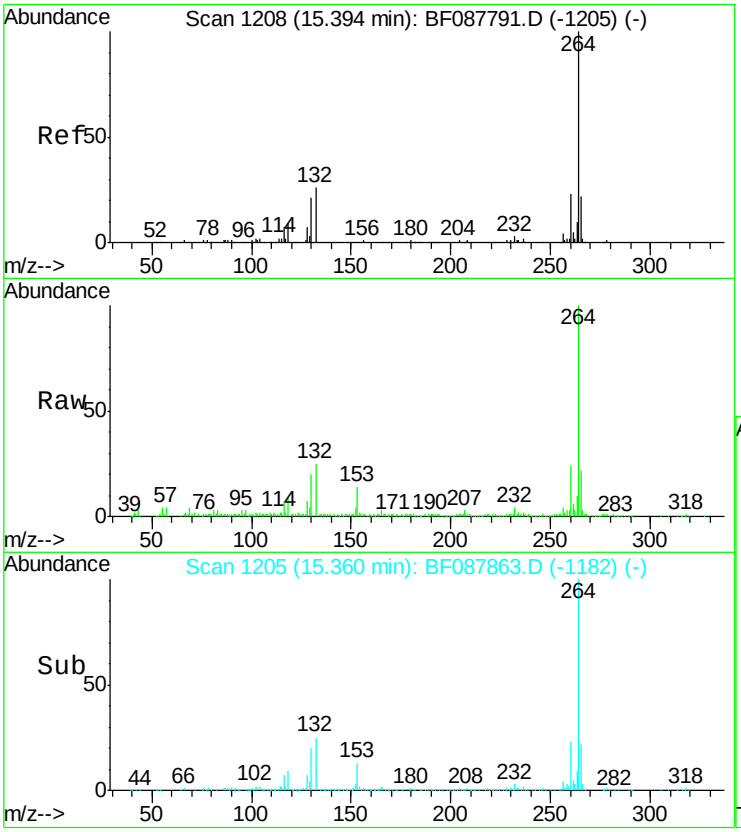


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.47 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.07 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:276 Resp: 27779

Ion	Ratio	Lower	Upper
276	100		
138	27.8	0.0	0.0#
277	31.9	0.0	0.0#



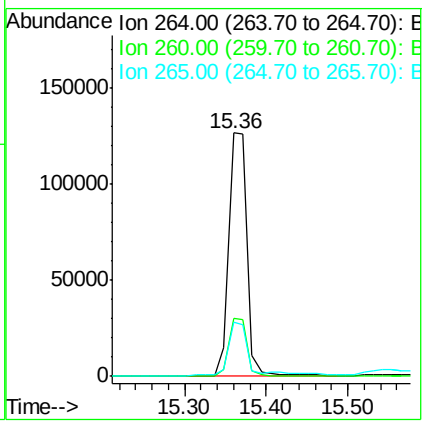


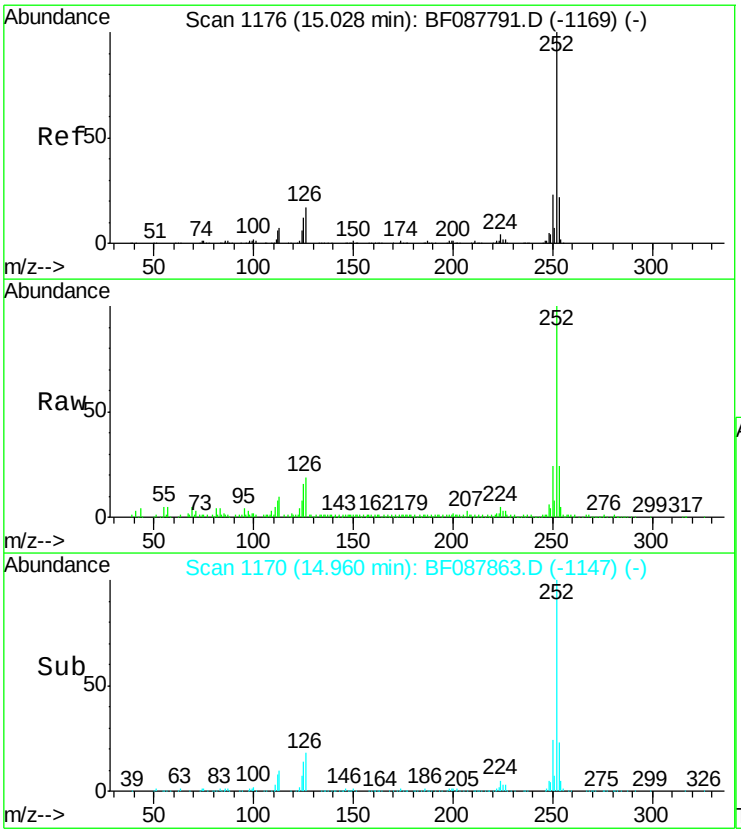
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:264 Resp: 197090

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	16.9	25.3

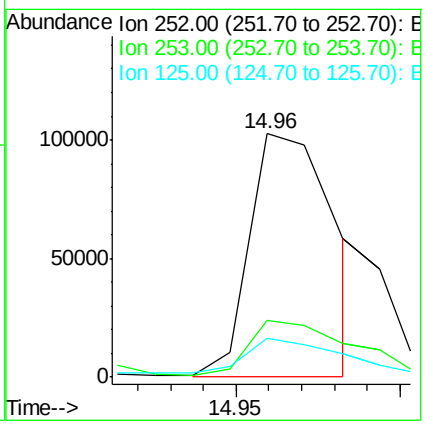


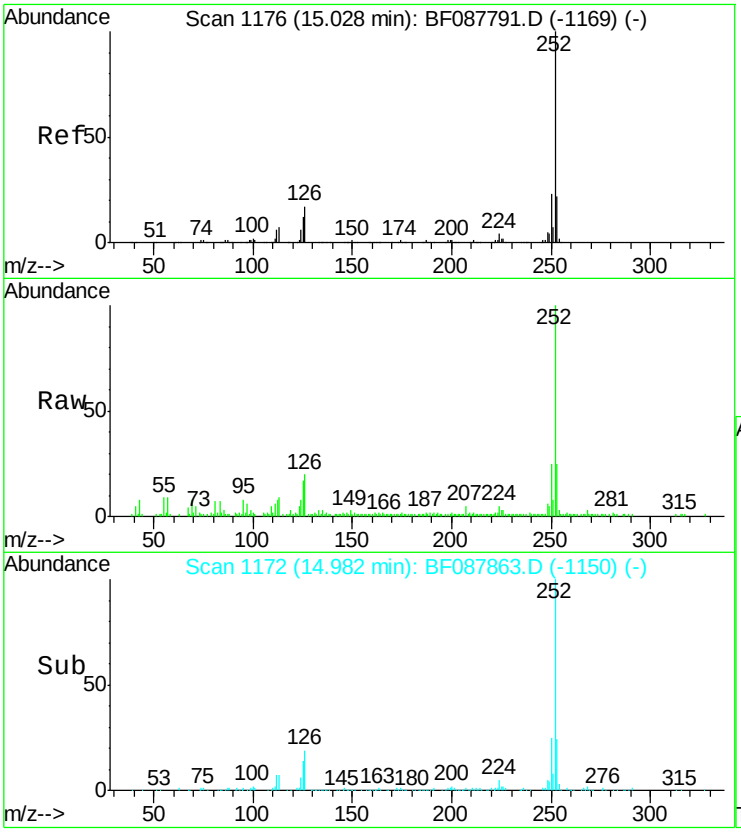


#87
Benzo(b)fluoranthene
Concen: 13.44 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:252 Resp: 184626

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	15.9	7.1	10.7#



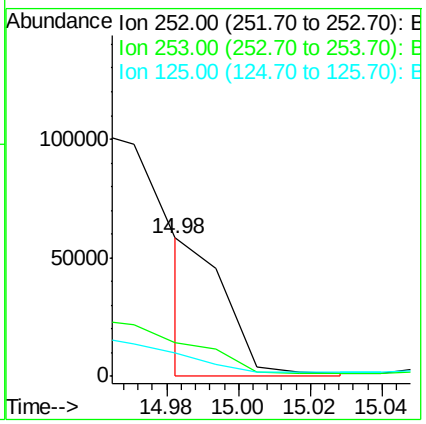


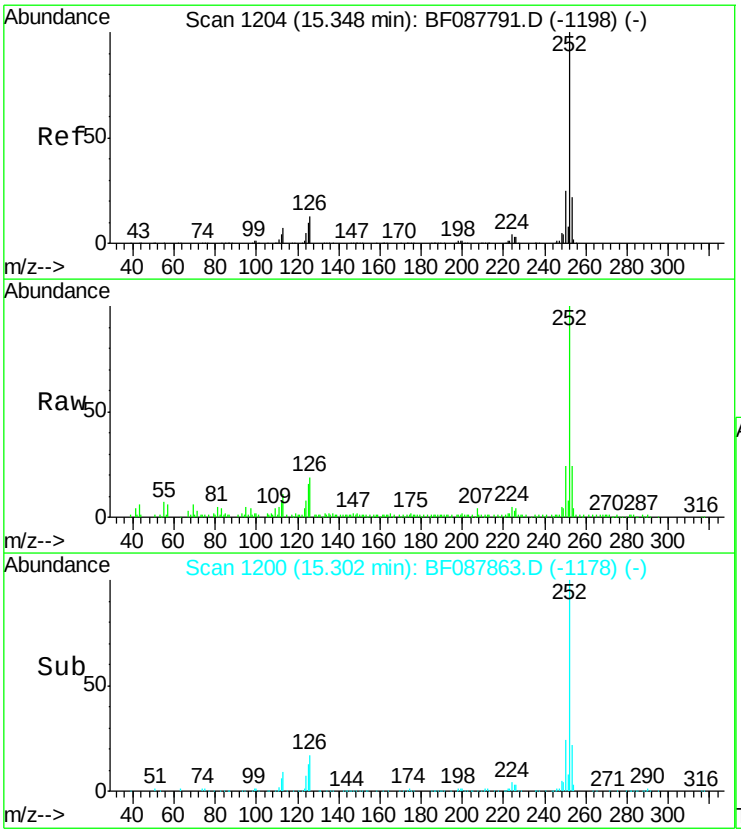
#88
Benzo(k)fluoranthene
Concen: 3.47 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:252 Resp: 35983

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	16.6	11.2	16.8

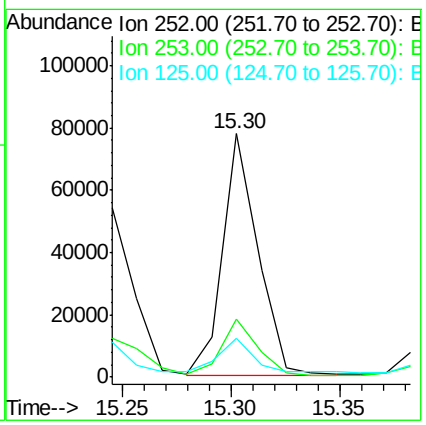


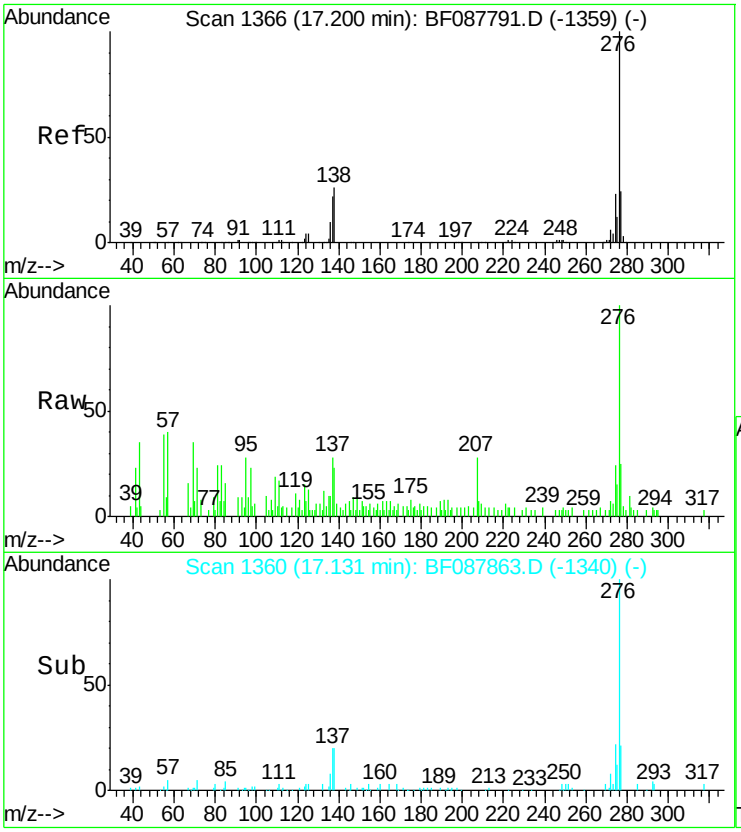


#89
Benzo(a)pyrene
Concen: 7.88 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Tgt Ion:252 Resp: 87616

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.9	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.07 min
Lab File: BF087863.D
Acq: 9 Jun 2016 20:22

Instrument :
BNA_F
ClientSampleId :
T5-B1(0-12)C

Tgt Ion:276 Resp: 25350

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.9	28.3
138	23.5	21.4	32.2