Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

Quant Time: Jun 10 11:11:02 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	115887	20.00	ng		-0.02
21) Naphthalene-d8	8.10	136	406981	20.00	ng		-0.02
38) Acenaphthene-d10	9.85	164	181838	20.00	ng		-0.03
63) Phenanthrene-d10	11.34	188	287862	20.00	ng		-0.02
75) Chrysene-d12	13.97	240	233808	20.00	ng		-0.02
86) Perylene-d12	15.37	264	186053	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	172149	25.40	ng		-0.02
7) Phenol-d6	6.44	99	221569	26.97	ng		-0.03
23) Nitrobenzene-d5	7.38	82	118345	16.98	ng		-0.03
41) 2,4,6-Tribromophenol	10.64	330	39566	20.61	ng		-0.03
44) 2-Fluorobiphenyl	9.18	172	186728	11.33	ng		-0.03
78) Terphenyl-d14	12.91	244	106468	10.36	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.12	128	318933	15.84	ng		99
37) 2-Methylnaphthalene	8.81	142	57097m	4.30	ng		
49) Dimethylphthalate	9.58	163	34044	2.58	ng		98
51) Acenaphthene	9.88	154	134342	11.51	ng		99
54) Dibenzofuran	10.06	168	173403	10.78	ng		96
57) Fluorene	10.40	166	149121	9.96	ng		99
70) Phenanthrene	11.36	178	1076046	71.24	ng		99
71) Anthracene	11.40	178	288207	18.91	ng		99
72) Carbazole	11.57	167	162526	11.40	ng	#	96
74) Fluoranthene	12.55	202	1252064	78.54	ng		97
77) Pyrene	12.78	202	1051597	60.61	ng		100
80) Benzo(a)anthracene	13.95	228	511095	38.36	ng		99
82) Chrysene	13.99	228	440896	35.17	ng		97
85) Indeno(1,2,3-cd)pyrene	16.73	276	166281	14.28	ng	#	100
87) Benzo(b)fluoranthene	14.97	252	445744m	34.37	ng		
88) Benzo(k)fluoranthene	14.99	252	156978m	16.05	ng		
89) Benzo(a)pyrene	15.31	252	305150	29.08	ng	#	94
90) Dibenzo(a,h)anthracene	16.73	278	39767m	4.08	ng		
91) Benzo(g,h,i)perylene	17.13	276	148898	14.85	ng		98

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

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

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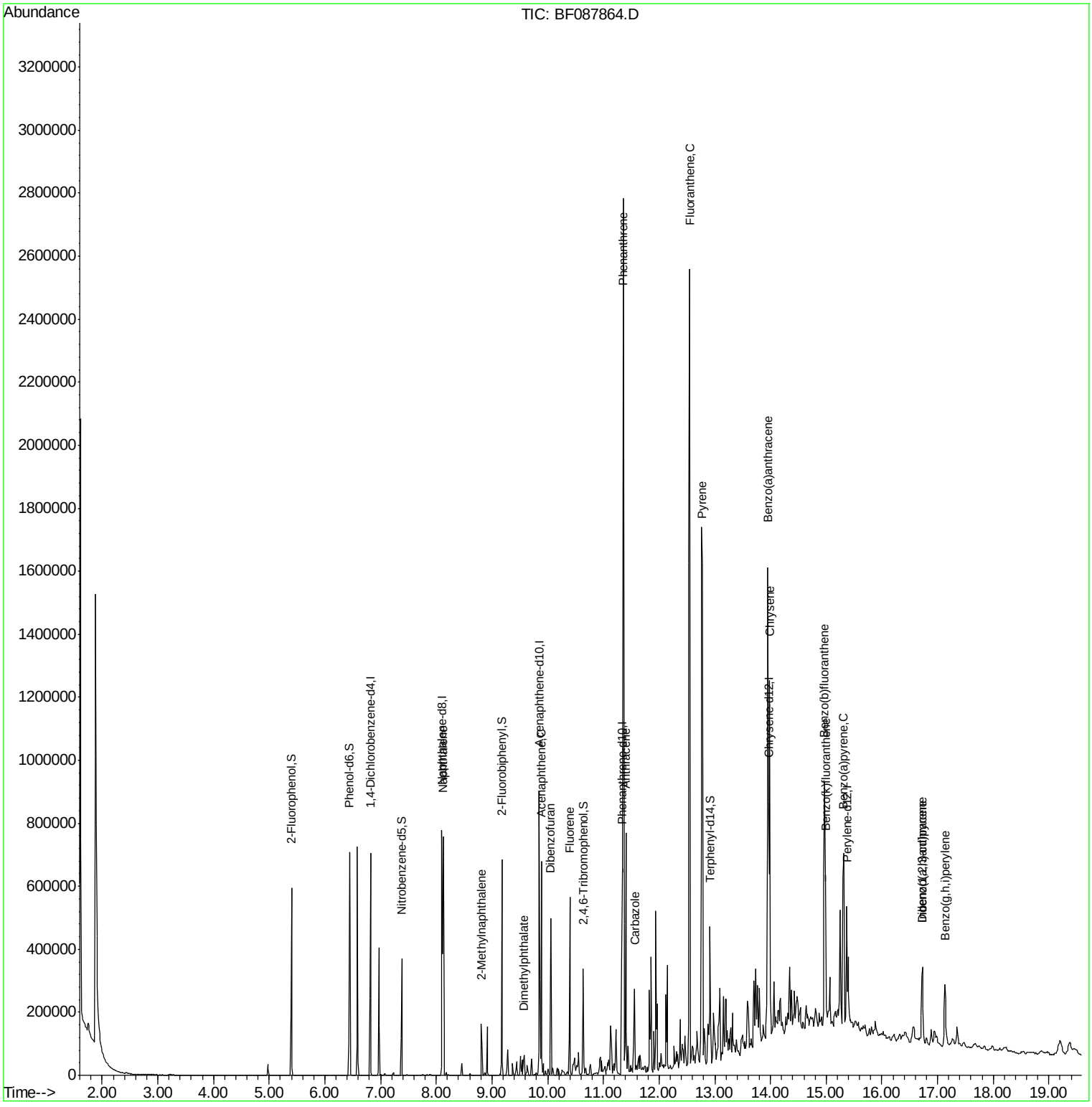
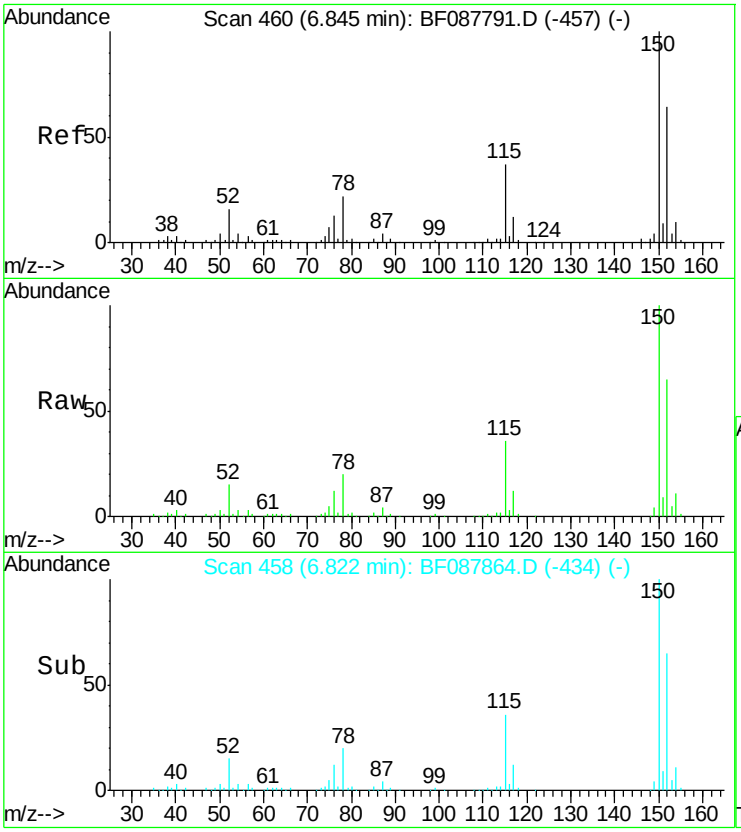


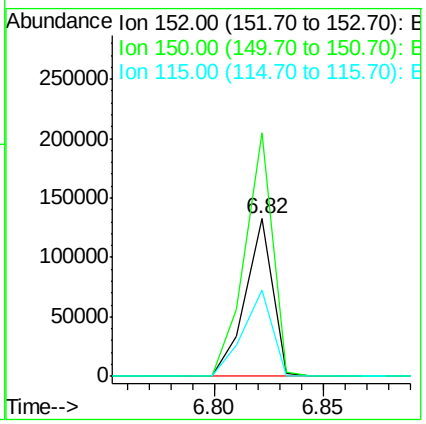


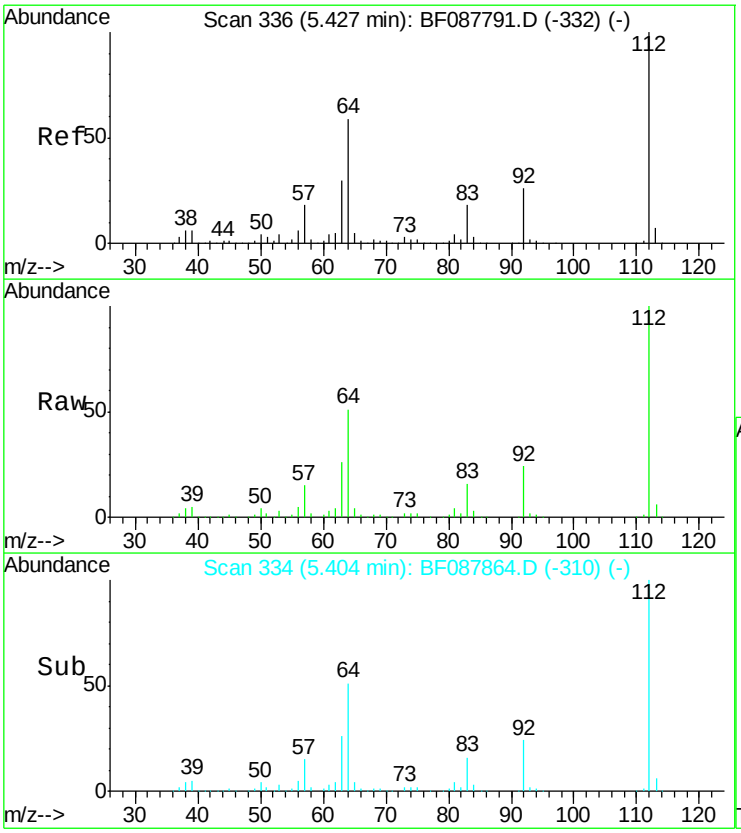
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:152 Resp: 115887

Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.8	185.6
115	55.1	39.6	59.4

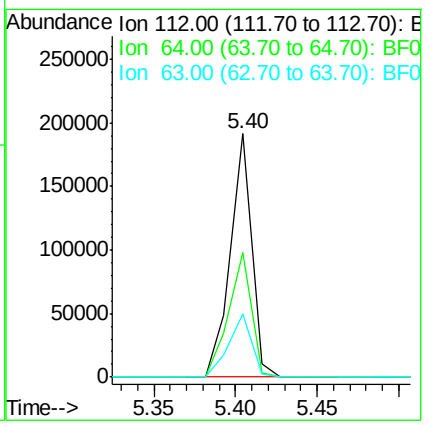


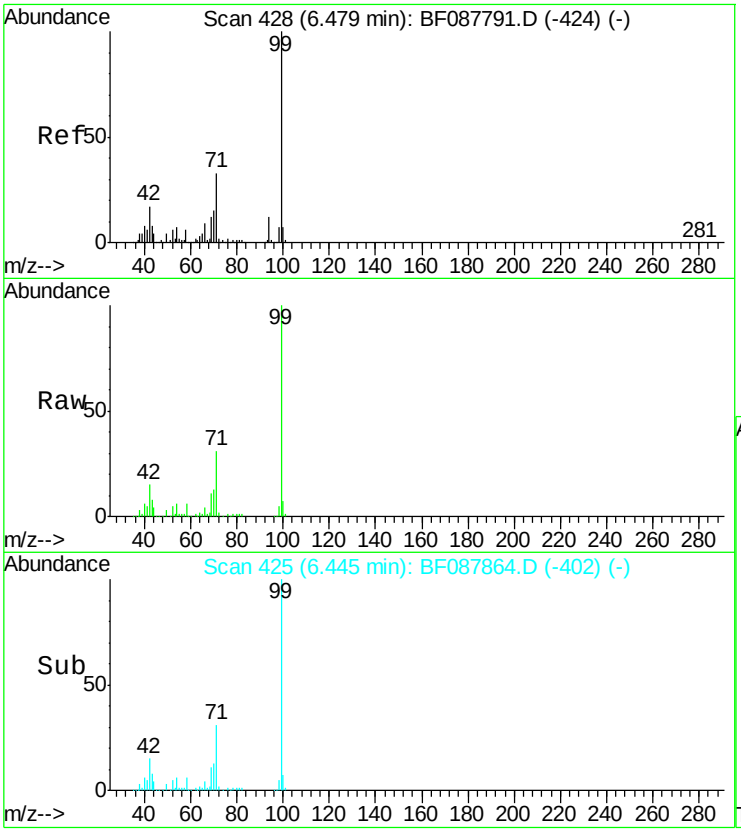


#5
2-Fluorophenol
Concen: 25.40 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:112 Resp: 172149

Ion	Ratio	Lower	Upper
112	100		
64	51.1	42.2	63.2
63	26.0	21.8	32.8



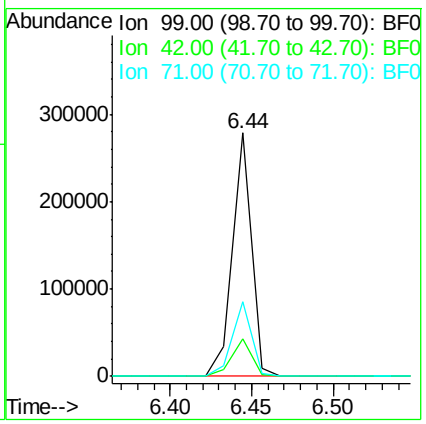


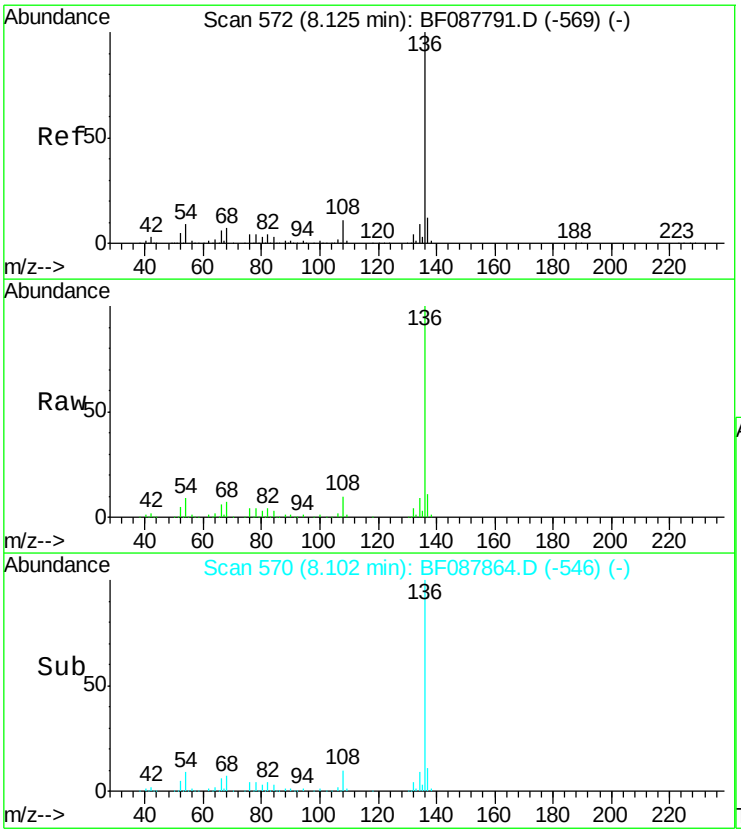
#7
Phenol-d6
Concen: 26.97 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion: 99 Resp: 221569

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	30.7	23.4	35.0

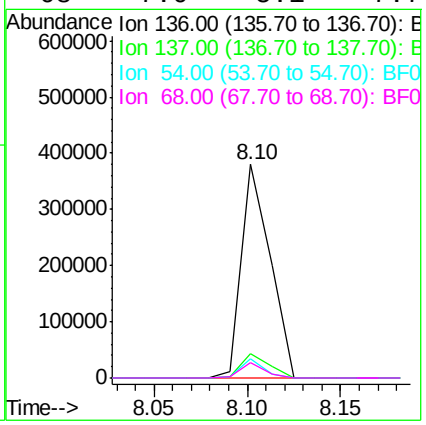


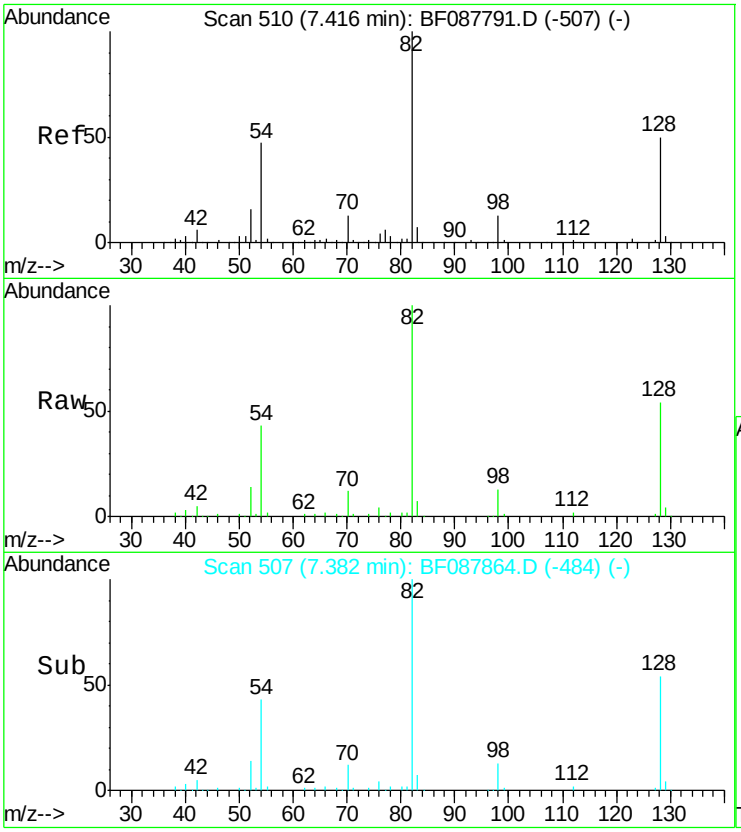


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:136 Resp: 406981

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	9.0	6.6	10.0
68	7.0	5.1	7.7



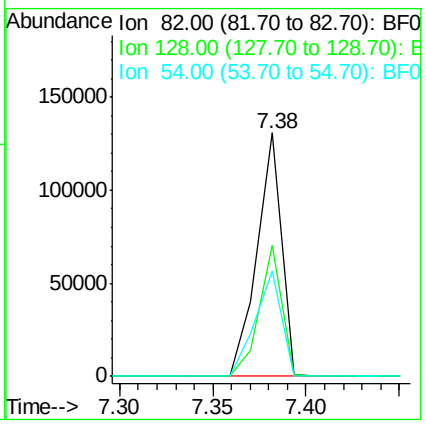


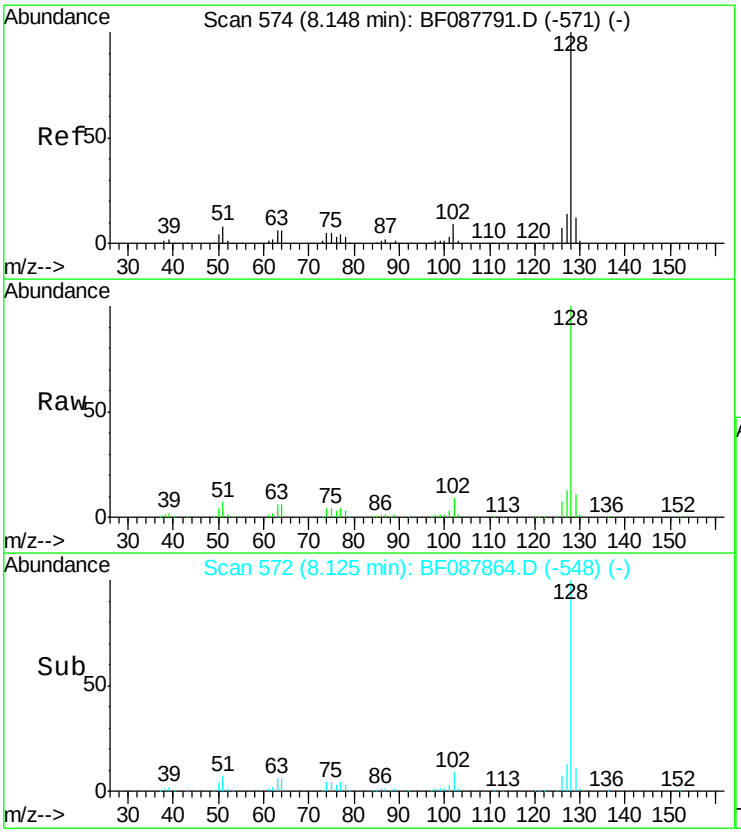
#23
Nitrobenzene-d5
Concen: 16.98 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion: 82 Resp: 118345

Ion	Ratio	Lower	Upper
82	100		
128	53.6	35.9	53.9
54	43.3	40.9	61.3

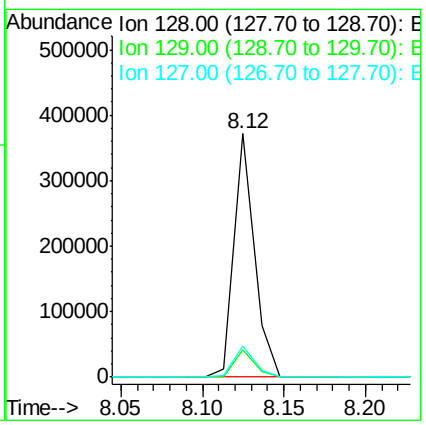


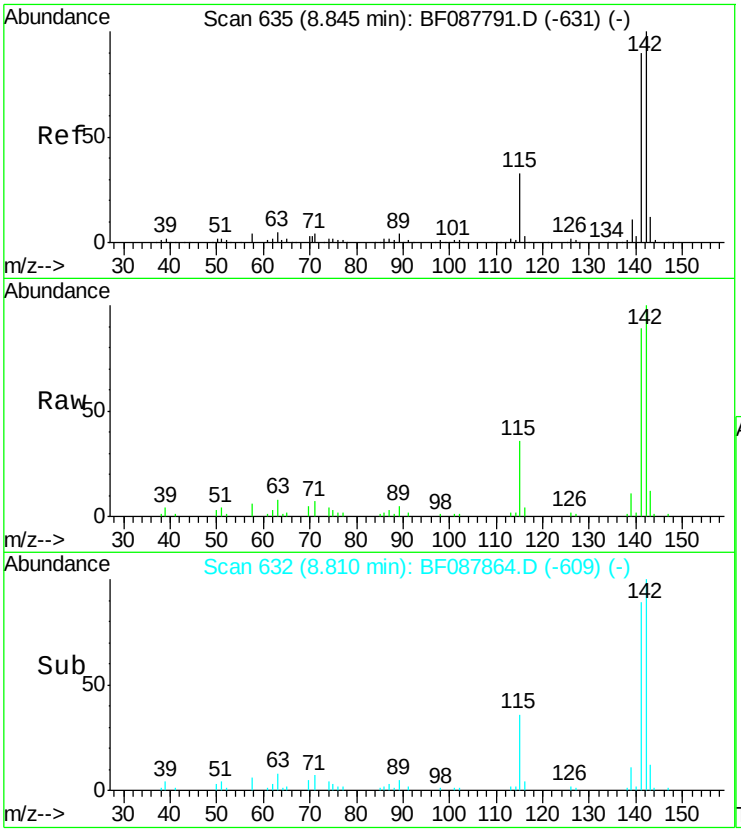


#31
Naphthalene
Concen: 15.84 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:128 Resp: 318933

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	13.0	10.9	16.3



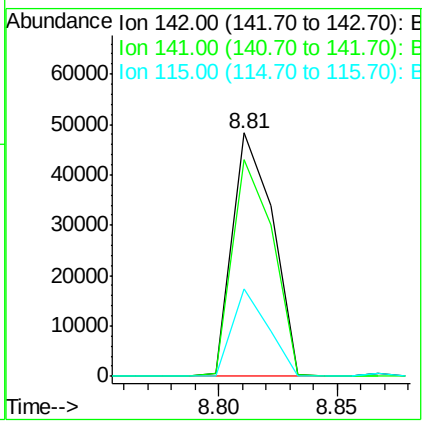


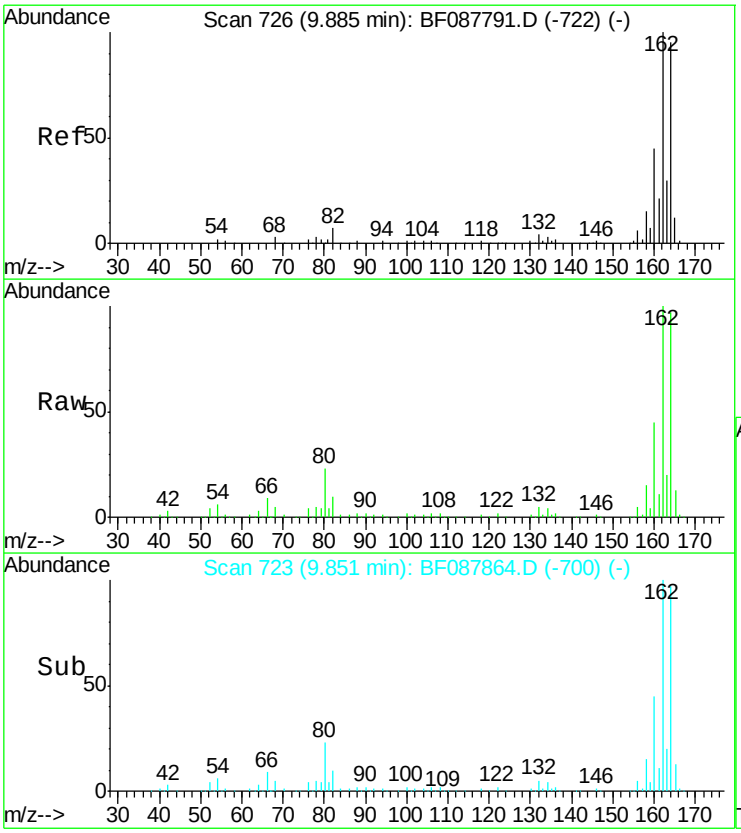
#37
2-Methylnaphthalene
Concen: 4.30 ng m
RT: 8.81 min Scan# 632
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:142 Resp: 57097

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.0	106.6
115	35.8	22.6	33.8#

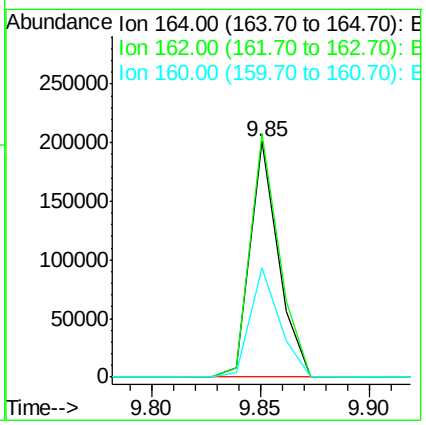


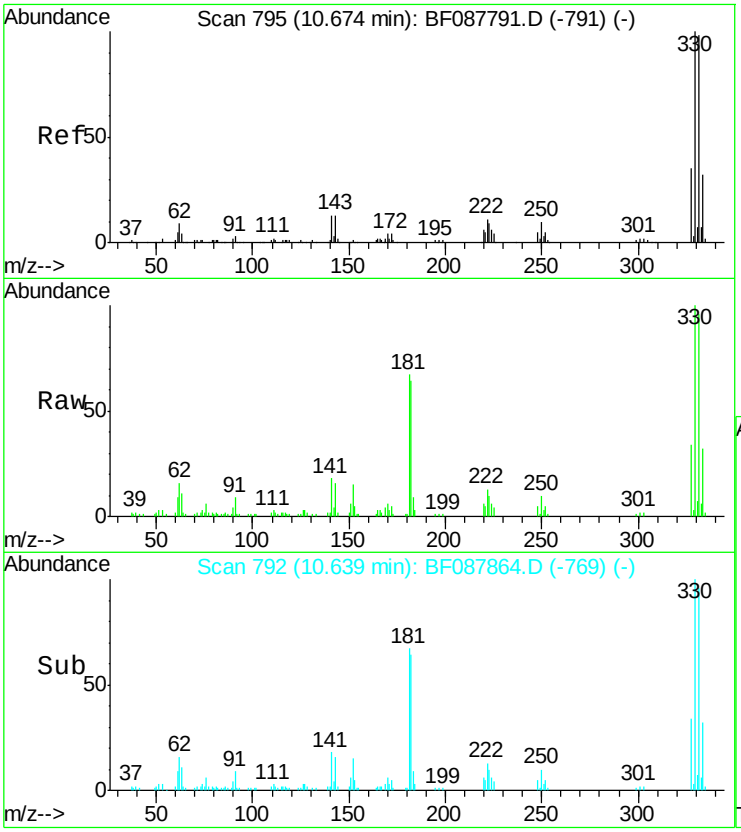


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:164 Resp: 181838

Ion	Ratio	Lower	Upper
164	100		
162	103.4	85.4	128.2
160	46.5	39.5	59.3



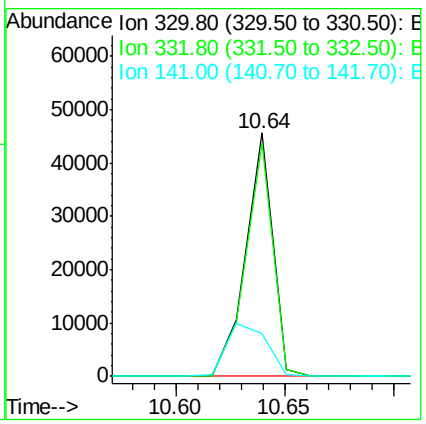


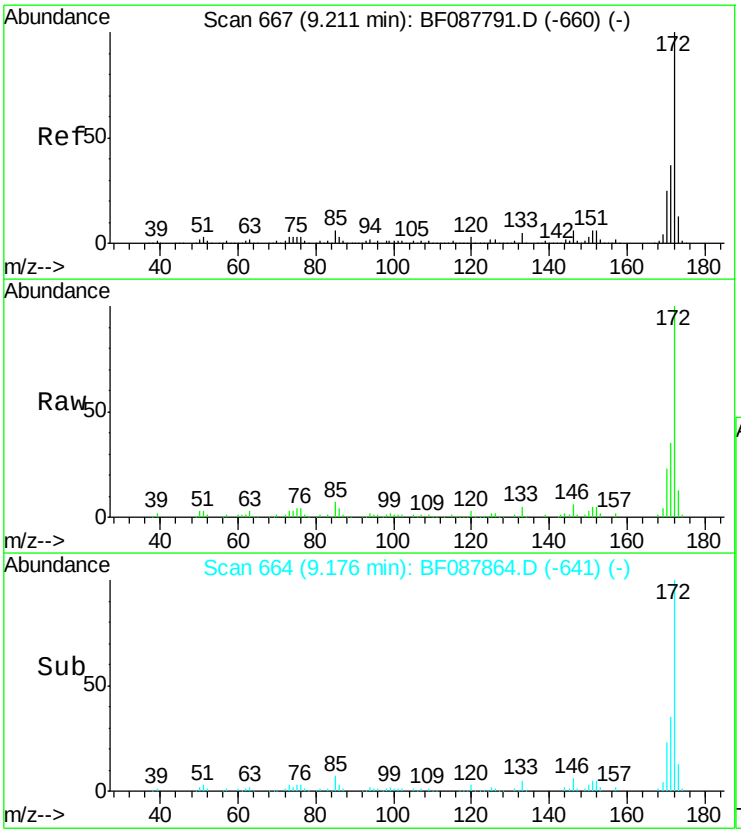
#41
2,4,6-Tribromophenol
Concen: 20.61 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:330 Resp: 39566

Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	32.4	0.0	0.0#

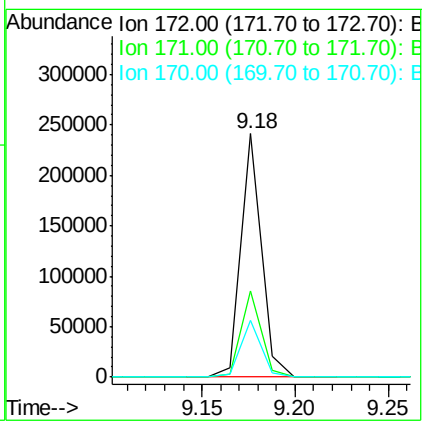


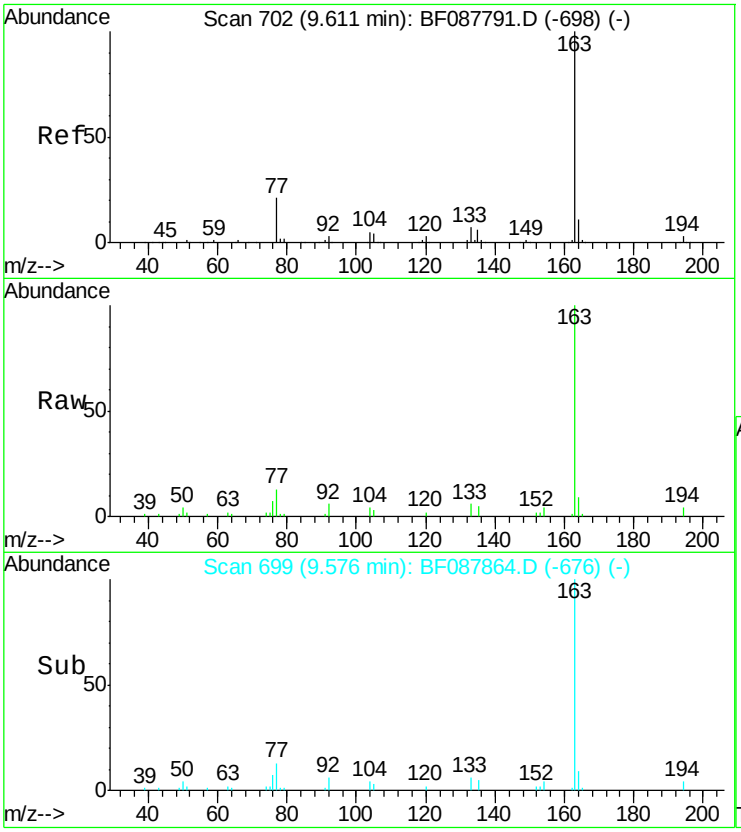


#44
2-Fluorobiphenyl
Concen: 11.33 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:172 Resp: 186728

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.3	19.2	28.8



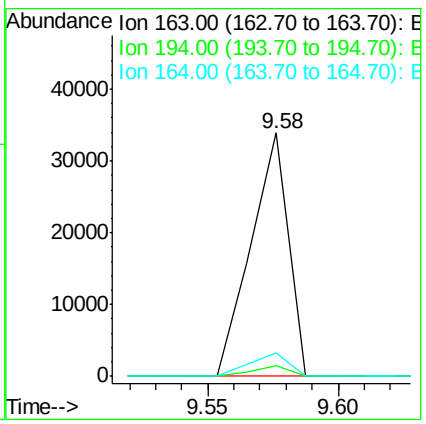


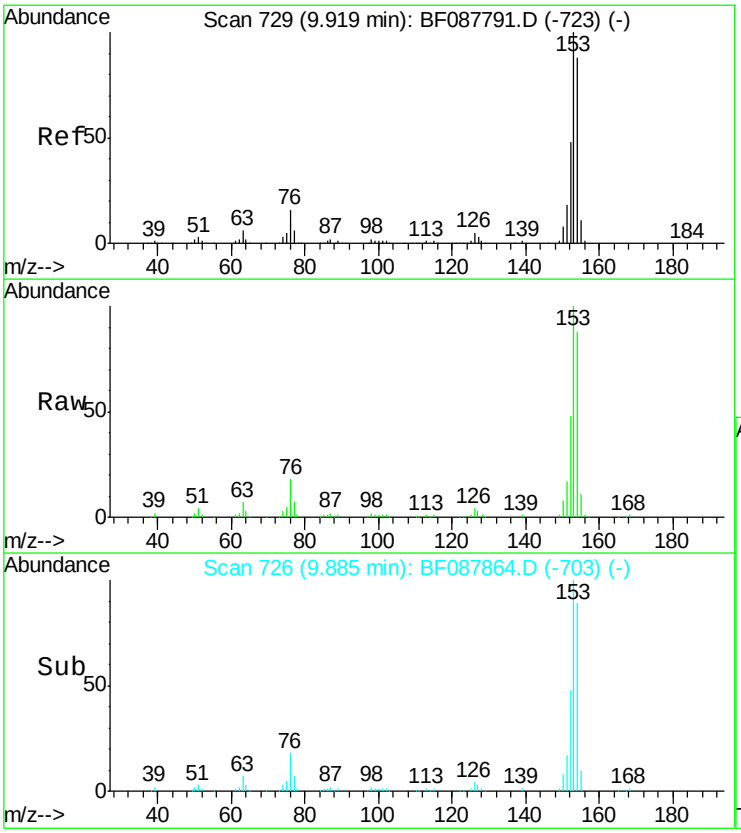
#49
Dimethylphthalate
Concen: 2.58 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:163 Resp: 34044

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	9.5	8.3	12.5

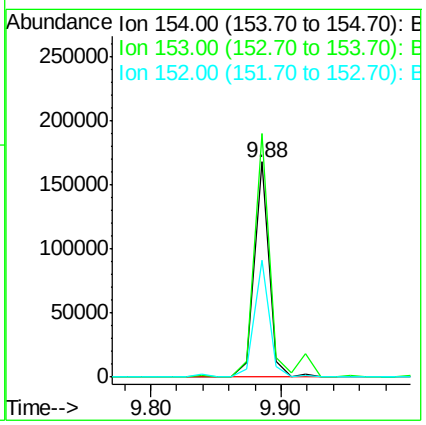


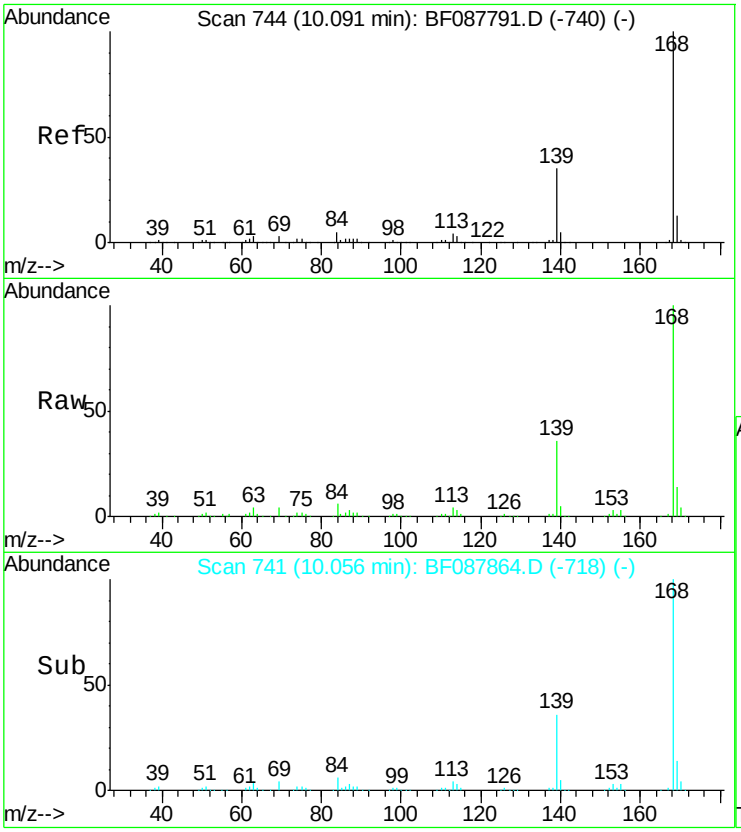


#51
Acenaphthene
Concen: 11.51 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:154 Resp: 134342

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.5	134.3
152	54.1	42.7	64.1



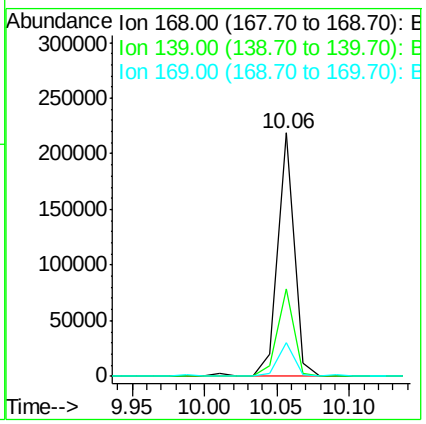


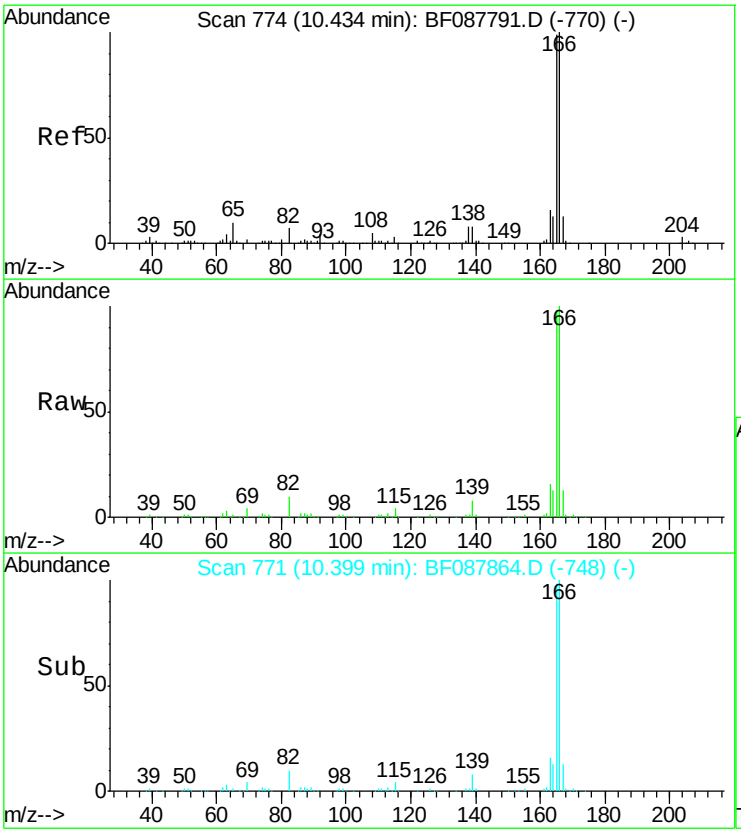
#54
Dibenzofuran
Concen: 10.78 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:168 Resp: 173403

Ion	Ratio	Lower	Upper
168	100		
139	36.1	26.4	39.6
169	13.6	10.4	15.6

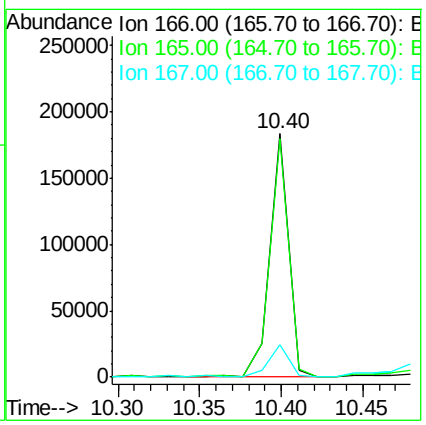


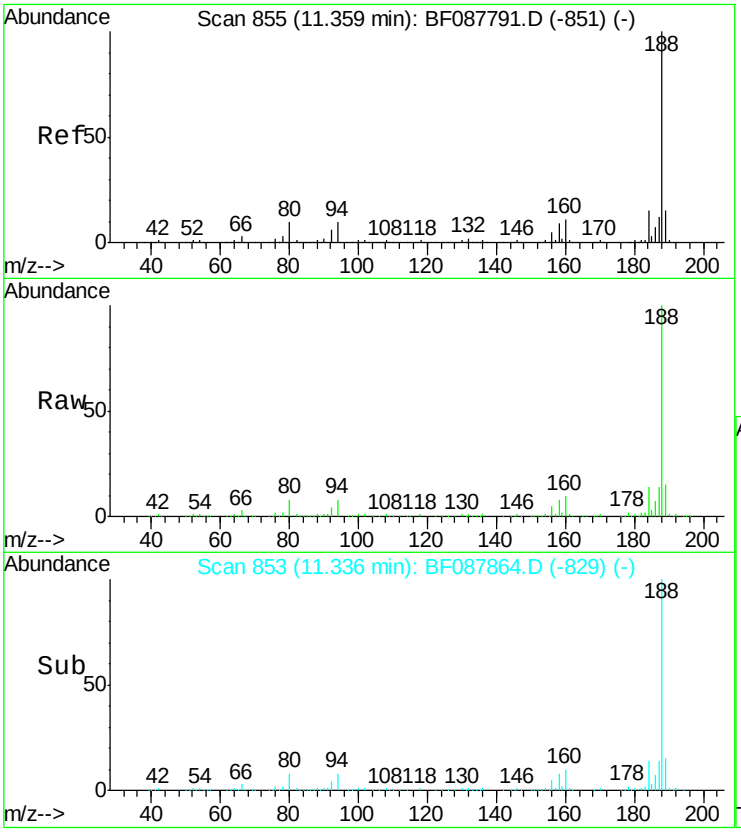


#57
Fluorene
Concen: 9.96 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:166 Resp: 149121

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.8
167	13.4	11.2	16.8



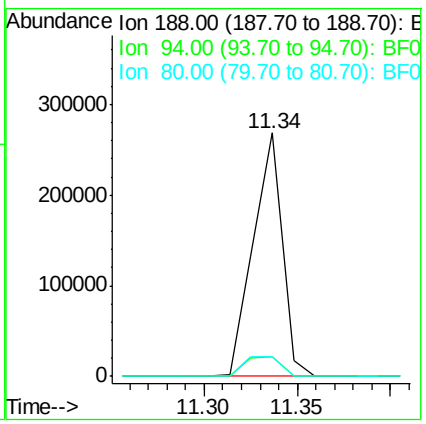


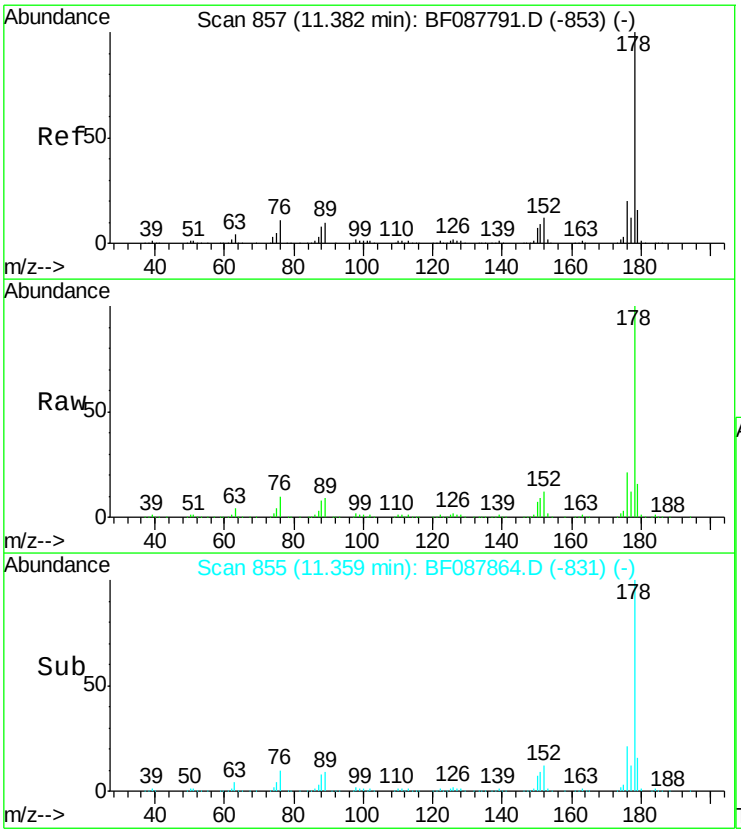
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:188 Resp: 287862

Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.0	13.6#
80	8.1	10.0	15.0#

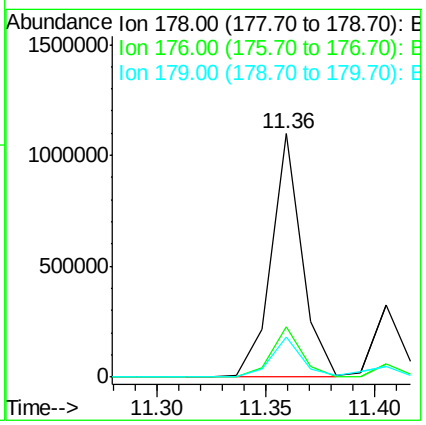


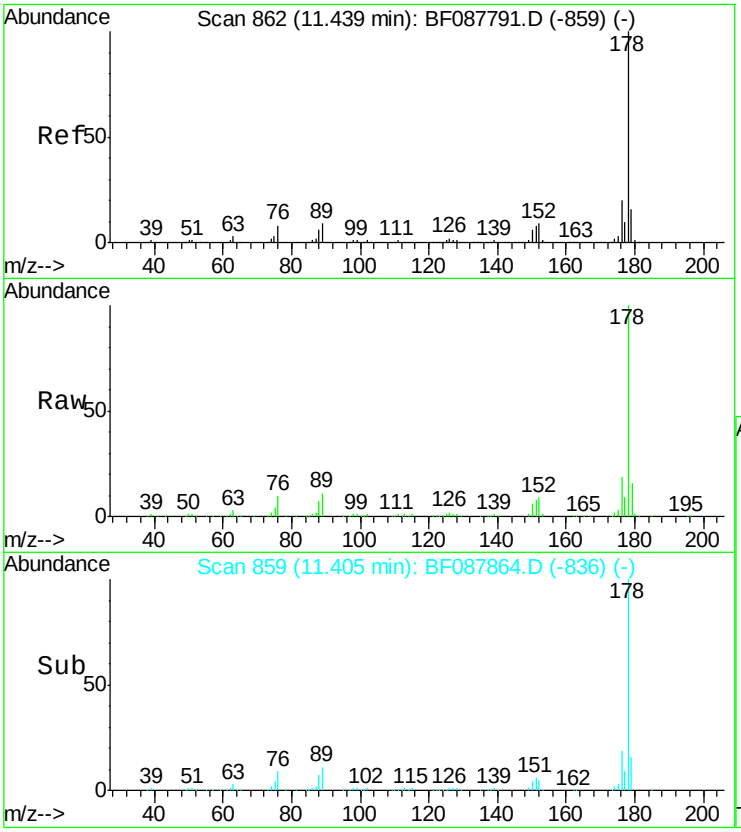


#70
Phenanthrene
Concen: 71.24 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:178 Resp: 1076046

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.6
179	16.4	13.0	19.4



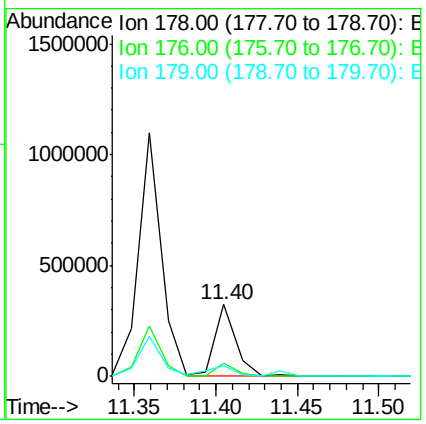


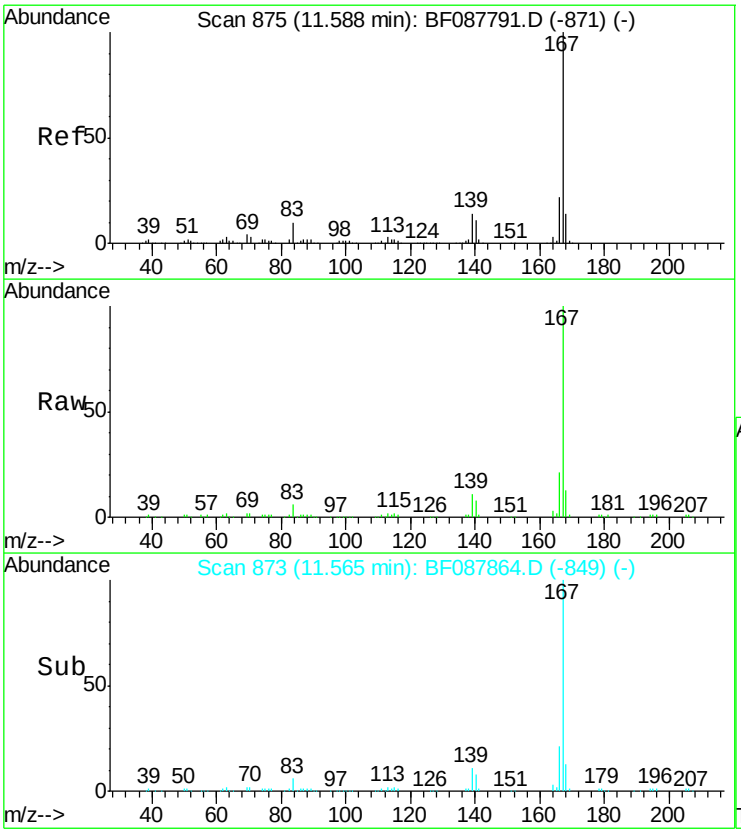
#71
Anthracene
Concen: 18.91 ng
RT: 11.40 min Scan# 859
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:178 Resp: 288207

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.7	12.8	19.2

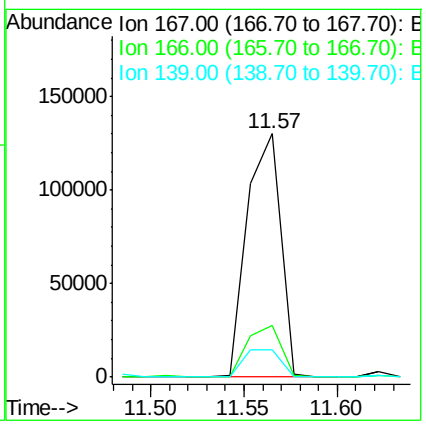


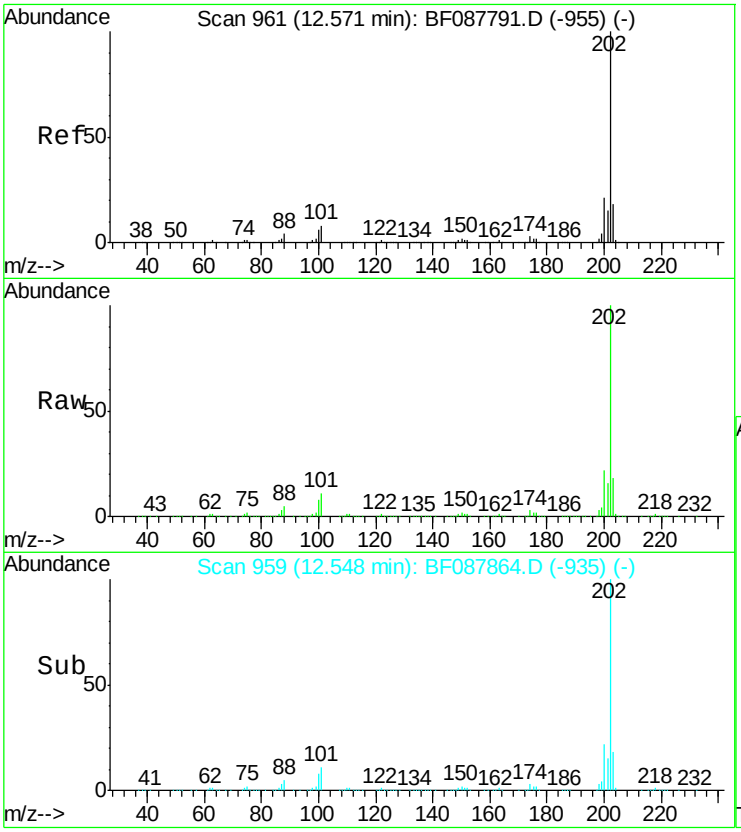


#72
Carbazole
Concen: 11.40 ng
RT: 11.57 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:167 Resp: 162526

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.6
139	11.0	11.2	16.8#



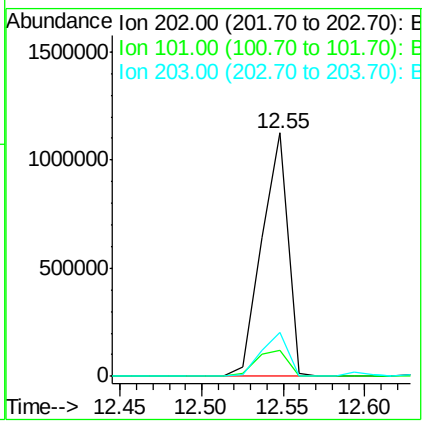


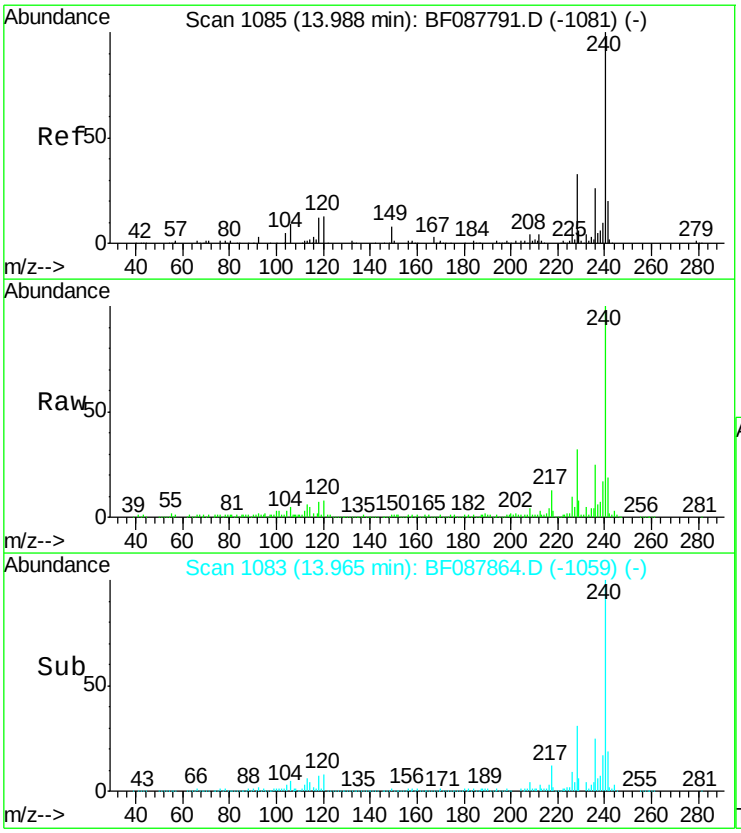
#74
Fluoranthene
Concen: 78.54 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:202 Resp: 1252064

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.1
203	18.0	0.0	38.1

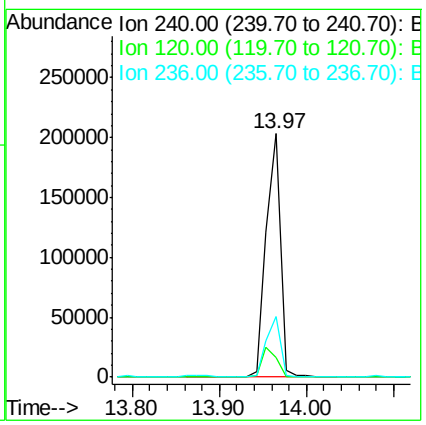


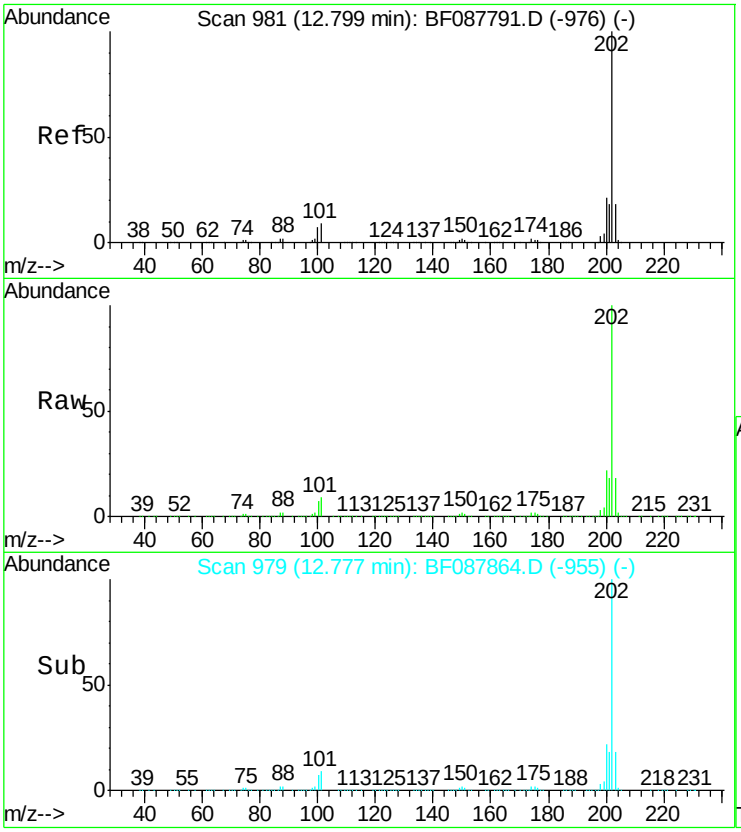


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:240 Resp: 233808

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.8	10.2
236	25.0	20.2	30.2



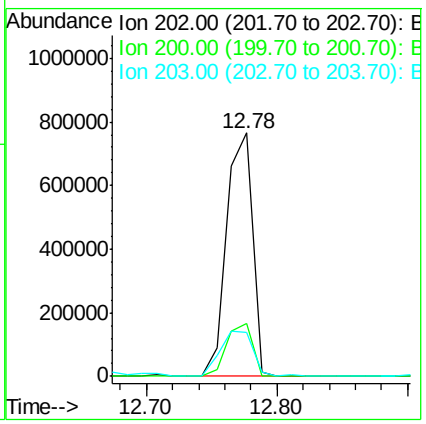


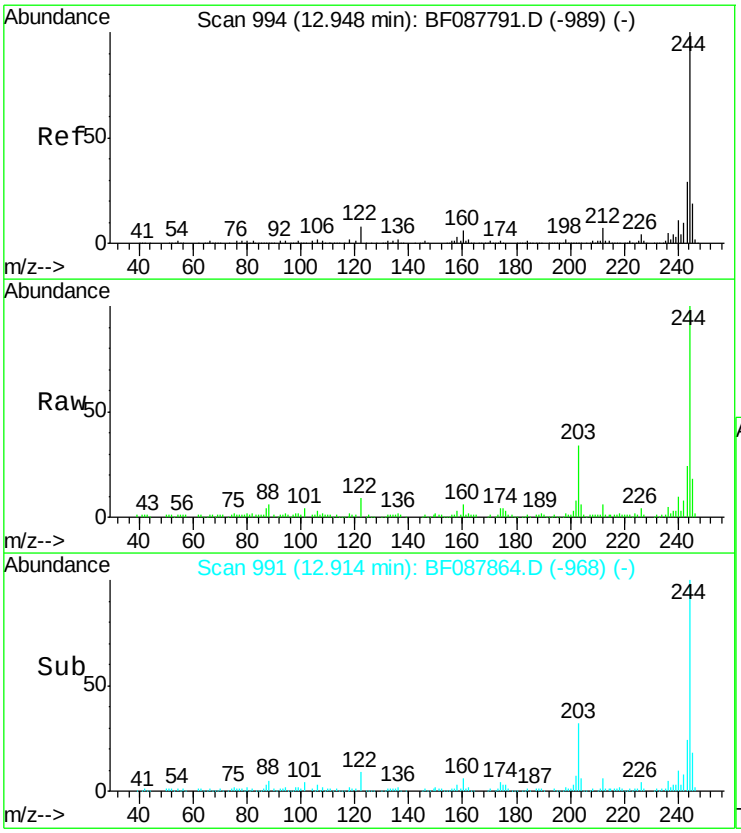
#77
Pyrene
Concen: 60.61 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:202 Resp: 1051597

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.5	21.7

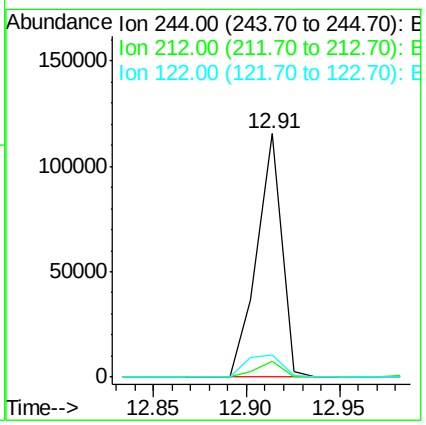


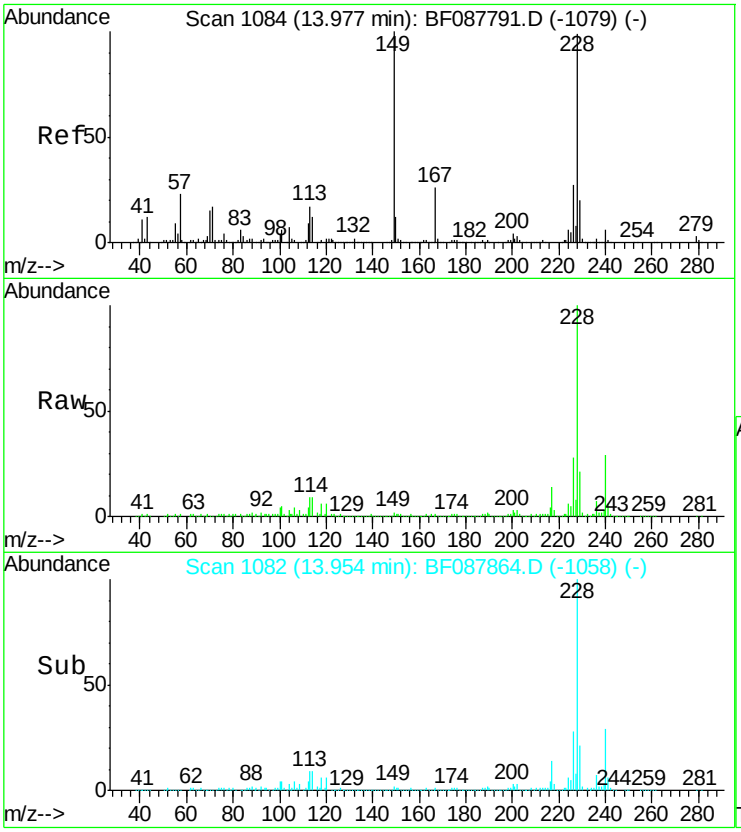


#78
Terphenyl-d14
Concen: 10.36 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:244 Resp: 106468

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	9.4	11.2	16.8#



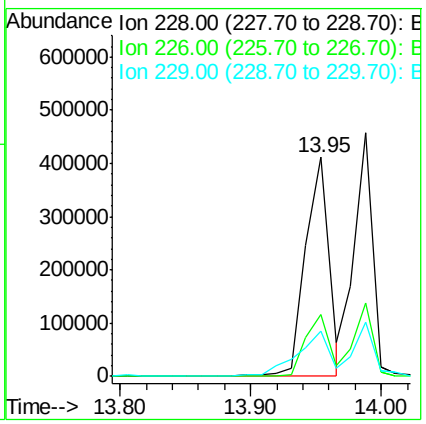


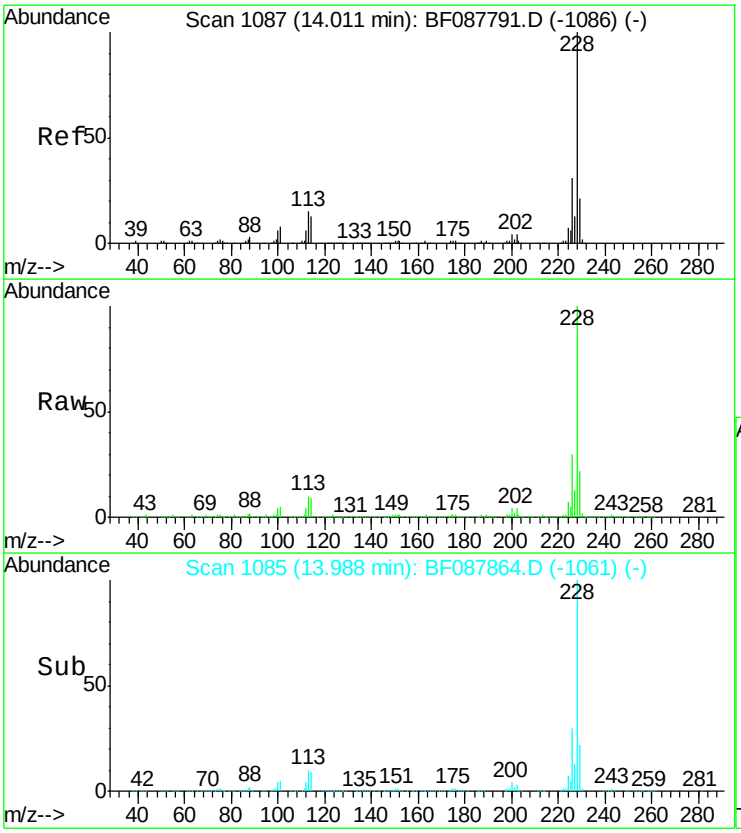
#80
Benzo(a)anthracene
Concen: 38.36 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:228 Resp: 511095

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.7	16.0	24.0

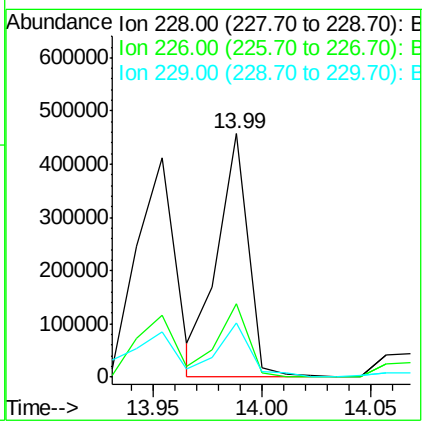


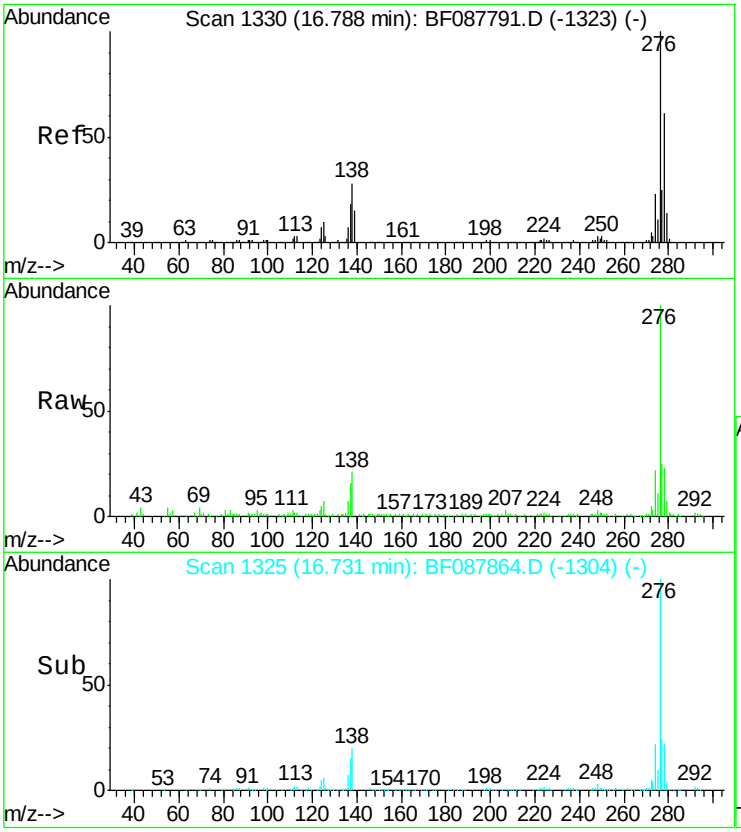


#82
Chrysene
Concen: 35.17 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:228 Resp: 440896

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	22.2	16.3	24.5



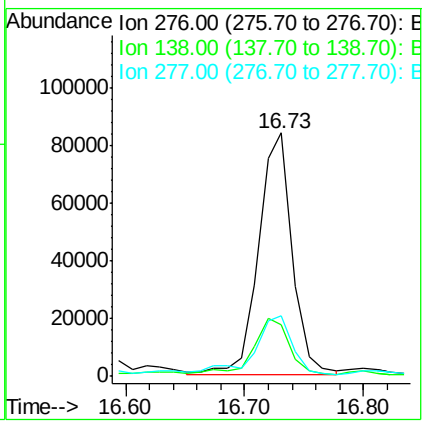


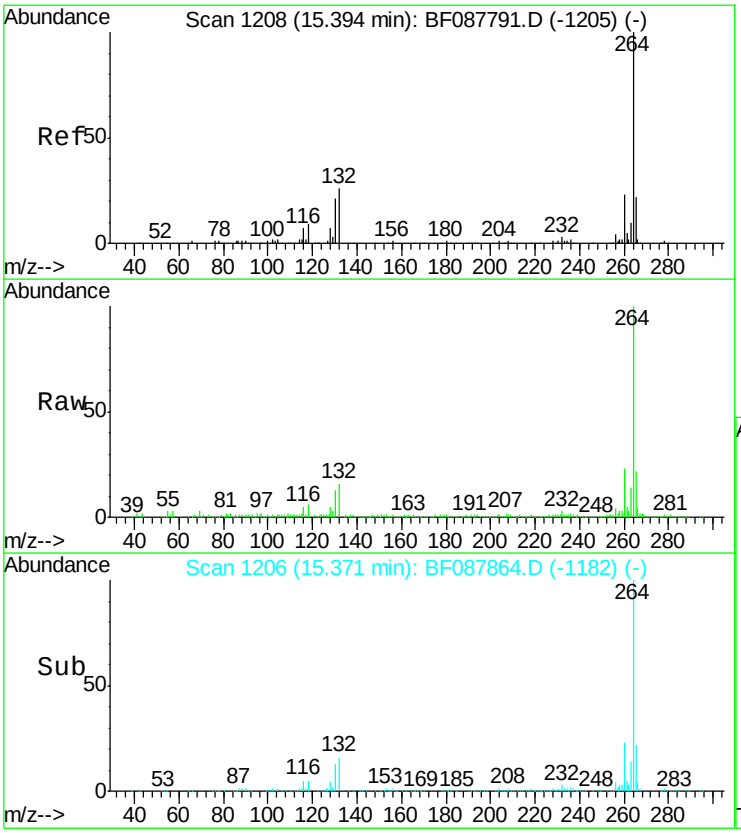
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.28 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:276 Resp: 166281

Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	29.5	0.0	0.0#

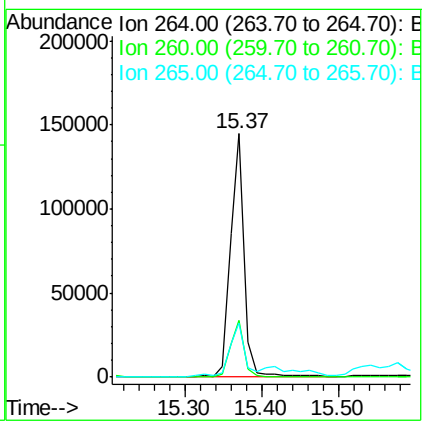


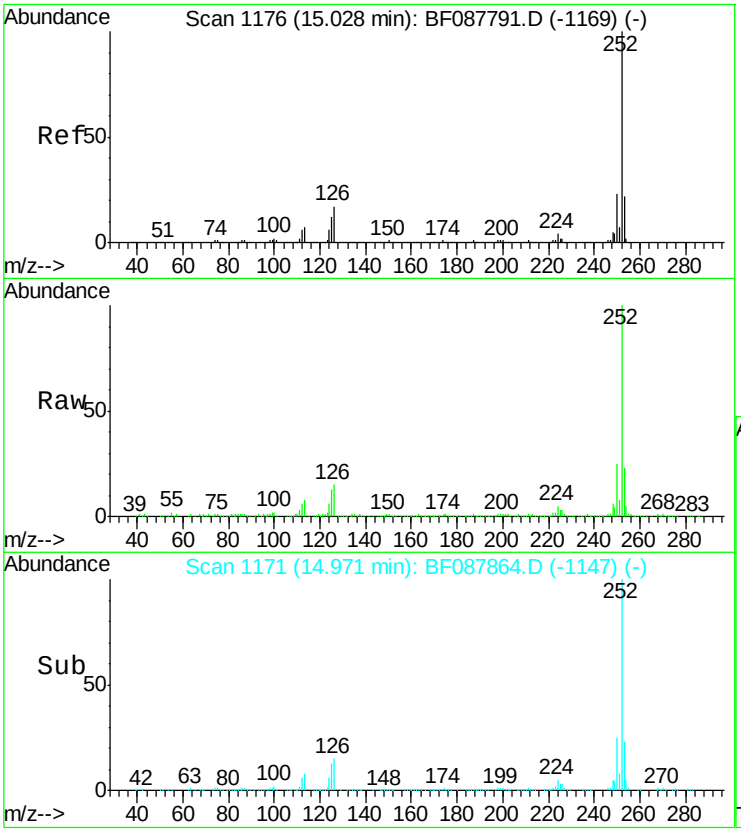


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:264 Resp: 186053

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.4	16.9	25.3



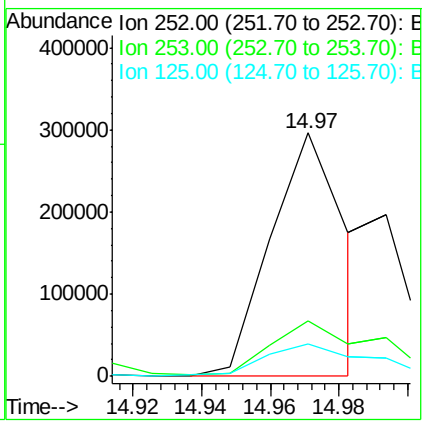


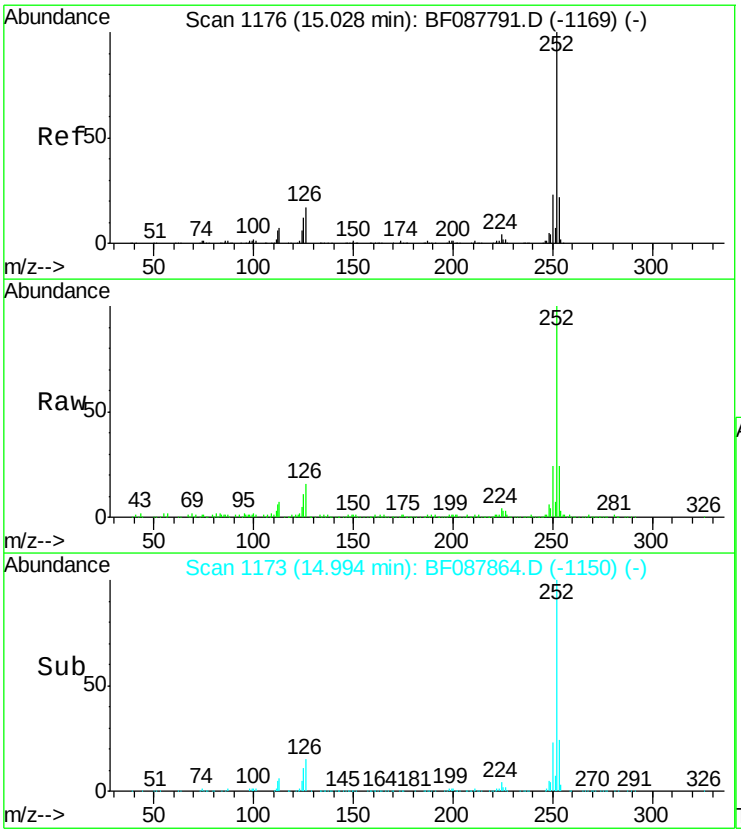
#87
Benzo(b)fluoranthene
Concen: 34.37 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:252 Resp: 445744

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	13.3	7.1	10.7#

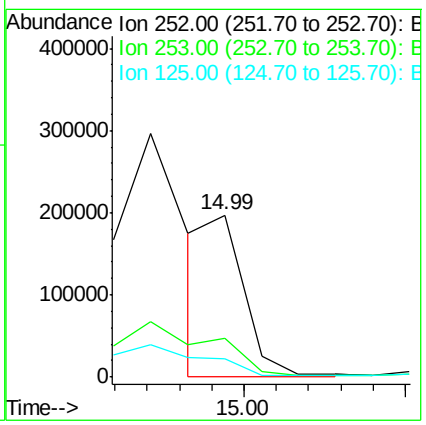


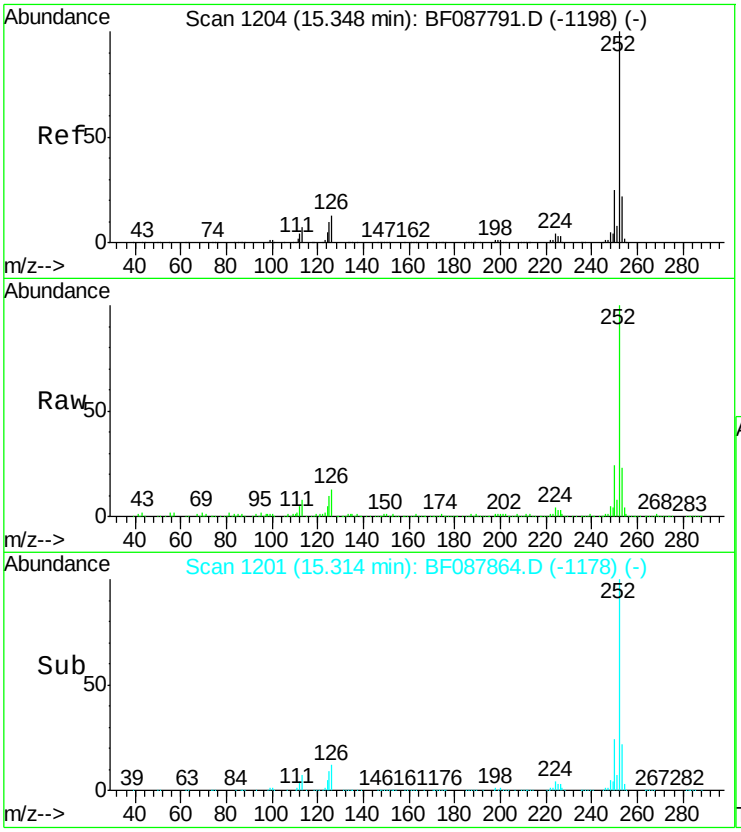


#88
Benzo(k)fluoranthene
Concen: 16.05 ng m
RT: 14.99 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:252 Resp: 156978

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	11.2	11.2	16.8



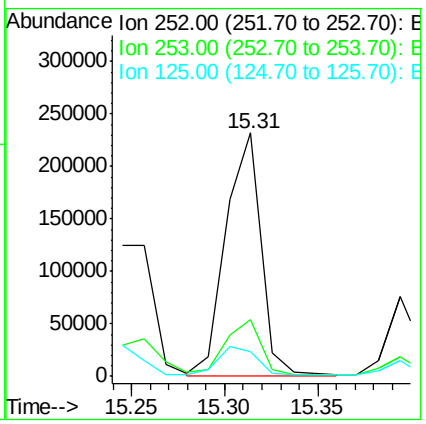


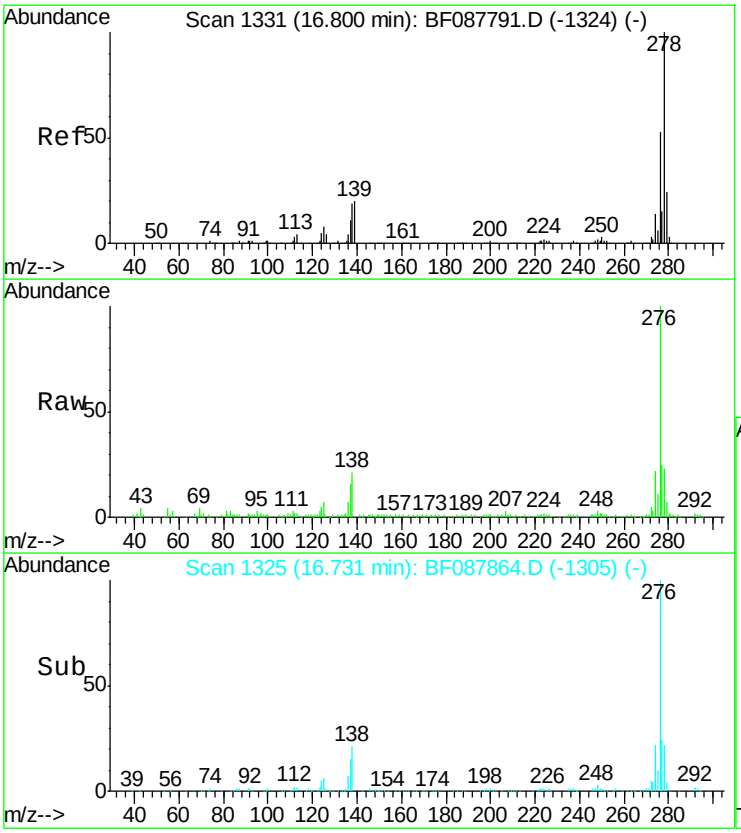
#89
Benzo(a)pyrene
Concen: 29.08 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:252 Resp: 305150

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.4	12.5	18.7#

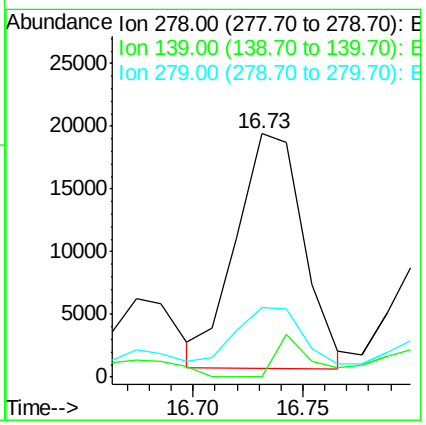


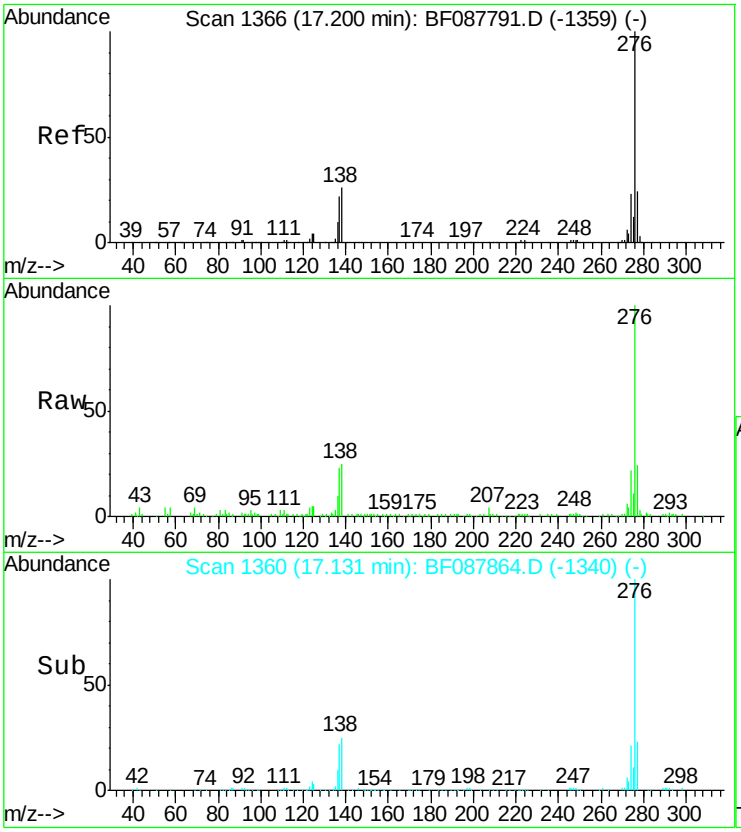


#90
Dibenzo(a,h)anthracene
Concen: 4.08 ng m
RT: 16.73 min Scan# 1325
Delta R.T. -0.07 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Tgt Ion:278 Resp: 39767

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.7	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 14.85 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.07 min
Lab File: BF087864.D
Acq: 9 Jun 2016 20:50

Instrument :
BNA_F
ClientSampleId :
SB-3B(0.5-1.0)

Tgt Ion:276 Resp: 148898

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	25.4	21.4	32.2