Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
Data File : BF089107.D
Acq On : 19 Jul 2016 4:37
Operator : UM/SJ
Sample : H4017-11DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14DL

Quant Time: Jul 19 05:38:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 03:29:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	51623	20.00	ng		0.00
21) Naphthalene-d8	7.93	136	198157	20.00	ng		0.00
38) Acenaphthene-d10	9.68	164	71818	20.00	ng		0.00
63) Phenanthrene-d10	11.15	188	120351	20.00	ng		0.00
75) Chrysene-d12	13.78	240	99091	20.00	ng		0.01
86) Perylene-d12	15.14	264	74658	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	201661	58.55	ng		0.01
7) Phenol-d6	6.30	99	259930	58.40	ng		0.00
23) Nitrobenzene-d5	7.21	82	160586	42.47	ng		0.00
41) 2,4,6-Tribromophenol	10.46	330	30564	45.83	ng		-0.01
44) 2-Fluorobiphenyl	9.00	172	250503	55.10	ng		0.00
78) Terphenyl-d14	12.73	244	150765	33.89	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.40	163	135432	26.47	ng		98
51) Acenaphthene	9.70	154	9174	2.01	ng		98
57) Fluorene	10.22	166	9304	2.03	ng	#	93
70) Phenanthrene	11.18	178	185998	28.27	ng		97
71) Anthracene	11.22	178	48935	7.48	ng		99
72) Carbazole	11.38	167	28020	4.55	ng		99
74) Fluoranthene	12.36	202	527933	79.16	ng		94
77) Pyrene	12.58	202	411760	49.01	ng		97
80) Benzo(a)anthracene	13.77	228	242828m	38.06	ng		
82) Chrysene	13.81	228	231426m	36.66	ng		
83) Bis(2-ethylhexyl)phthalate	13.78	149	13158	3.08	ng	#	97
85) Indeno(1,2,3-cd)pyrene	16.40	276	82668	17.02	ng	#	100
87) Benzo(b)fluoranthene	14.78	252	281027m	60.01	ng		
88) Benzo(k)fluoranthene	14.79	252	75725m	18.57	ng		
89) Benzo(a)pyrene	15.09	252	146389	36.92	ng		99
90) Dibenzo(a,h)anthracene	16.40	278	28134m	8.50	ng		
91) Benzo(g,h,i)perylene	16.78	276	74542	21.76	ng		96

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

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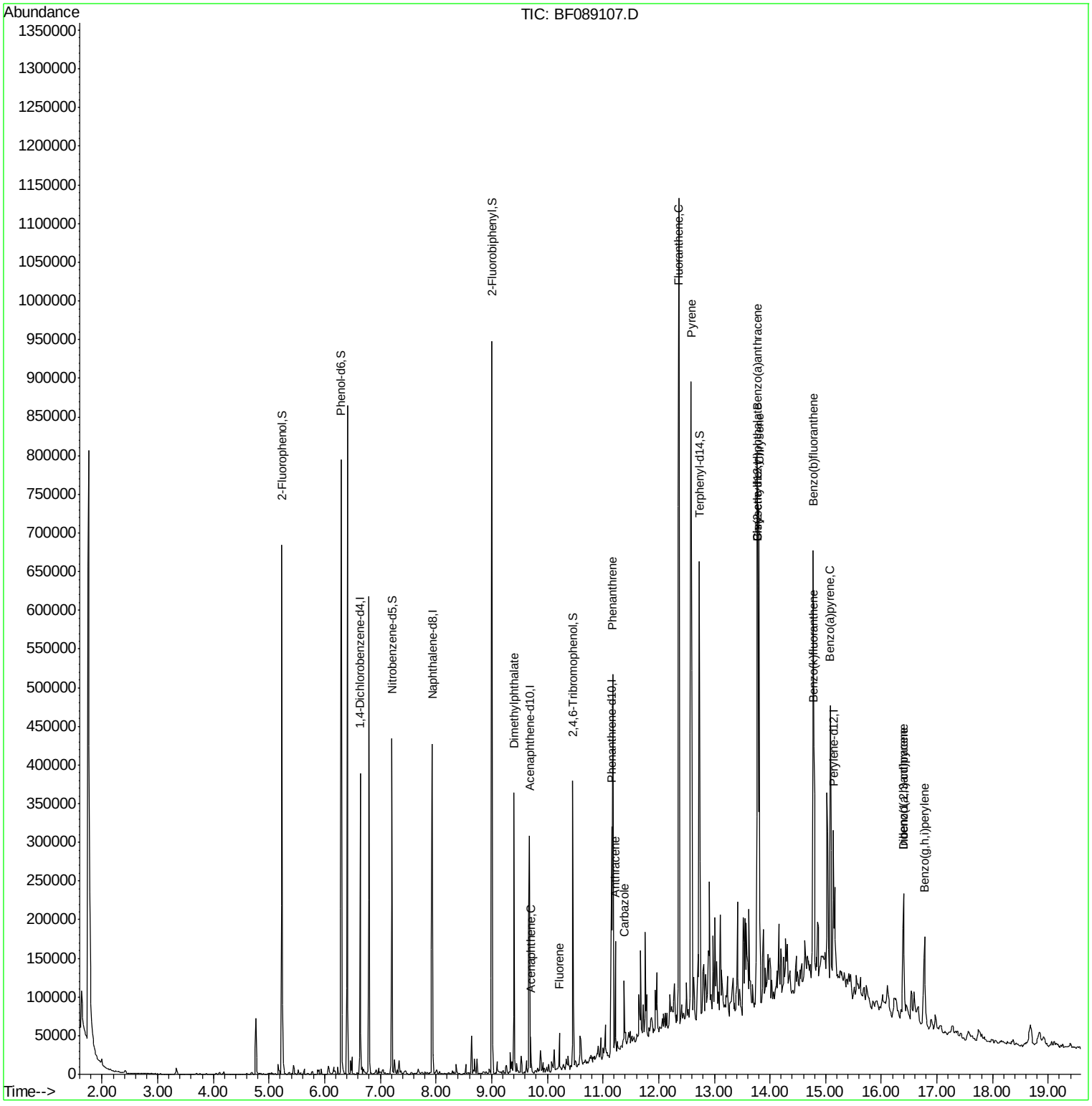
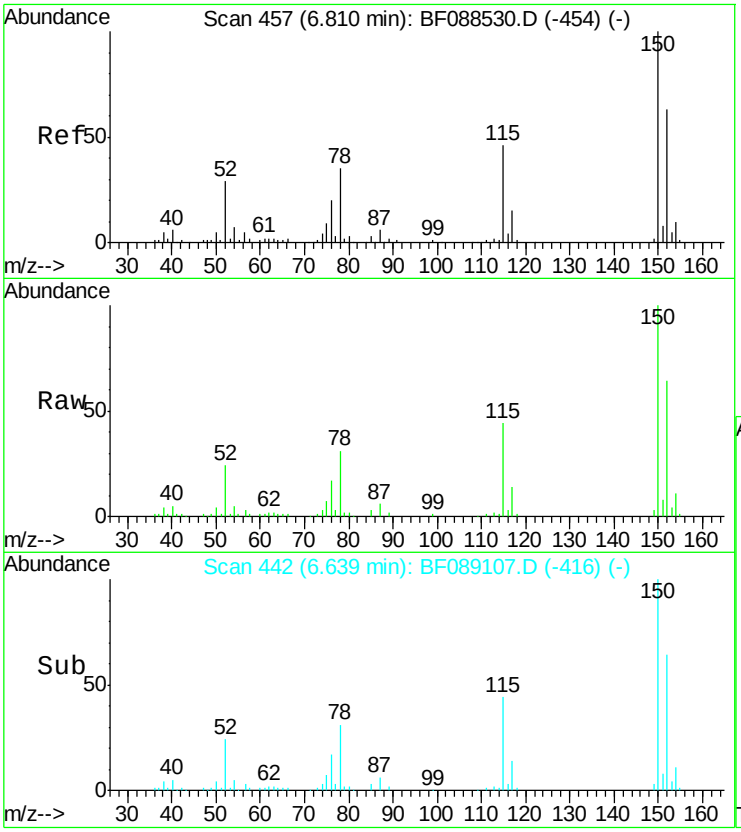


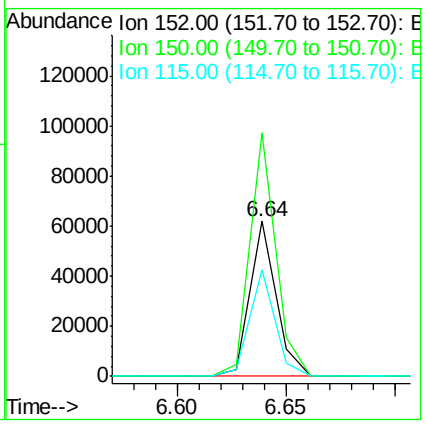


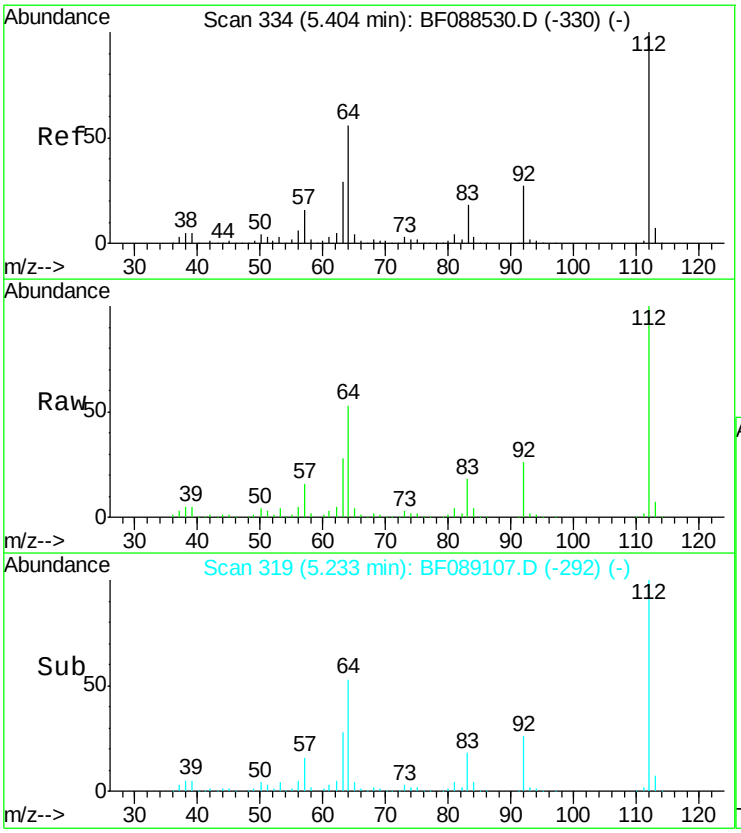
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:152 Resp: 51623

Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.8	185.6
115	69.3	39.6	59.4#

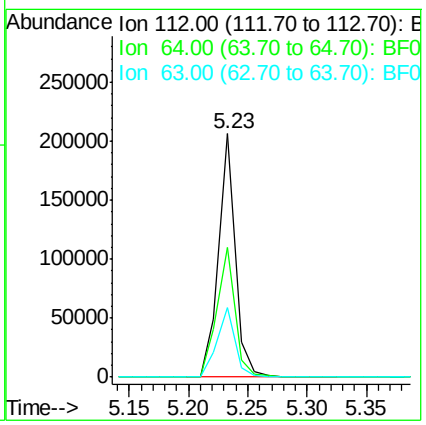


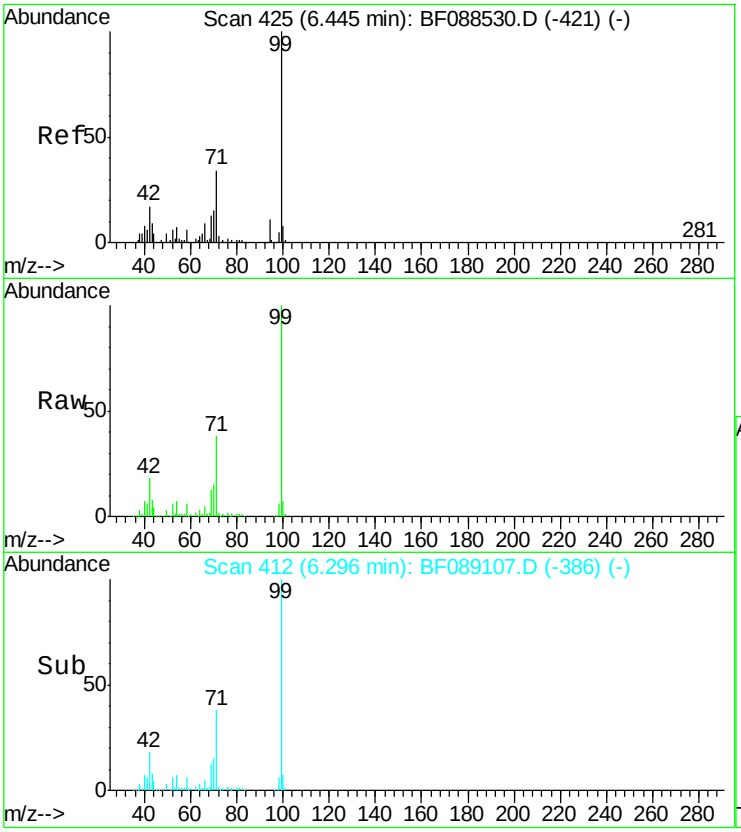


#5
2-Fluorophenol
Concen: 58.55 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:112 Resp: 201661

Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.2	63.2
63	28.5	21.8	32.8



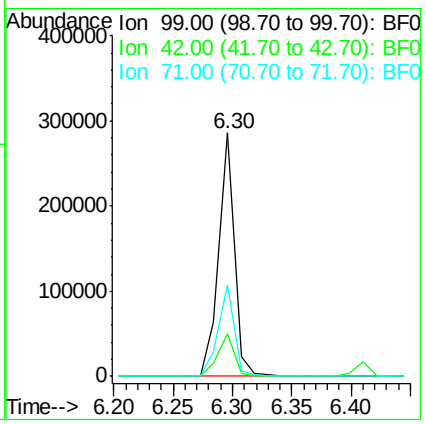


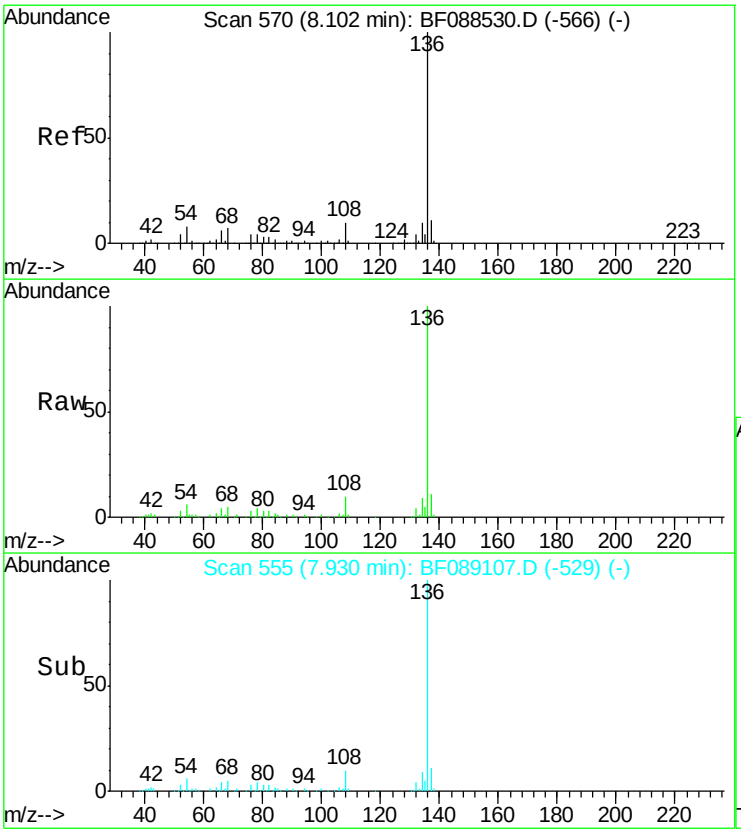
#7
Phenol-d6
Concen: 58.40 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion: 99 Resp: 259930

Ion	Ratio	Lower	Upper
99	100		
42	17.7	12.2	18.2
71	37.6	23.4	35.0#

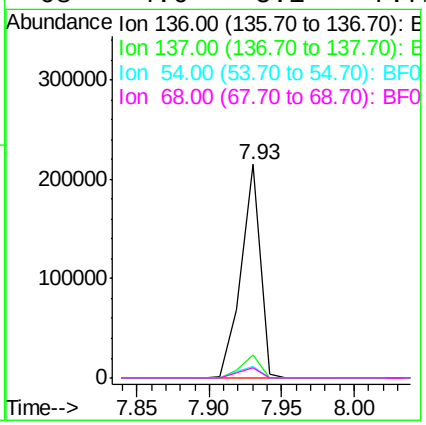


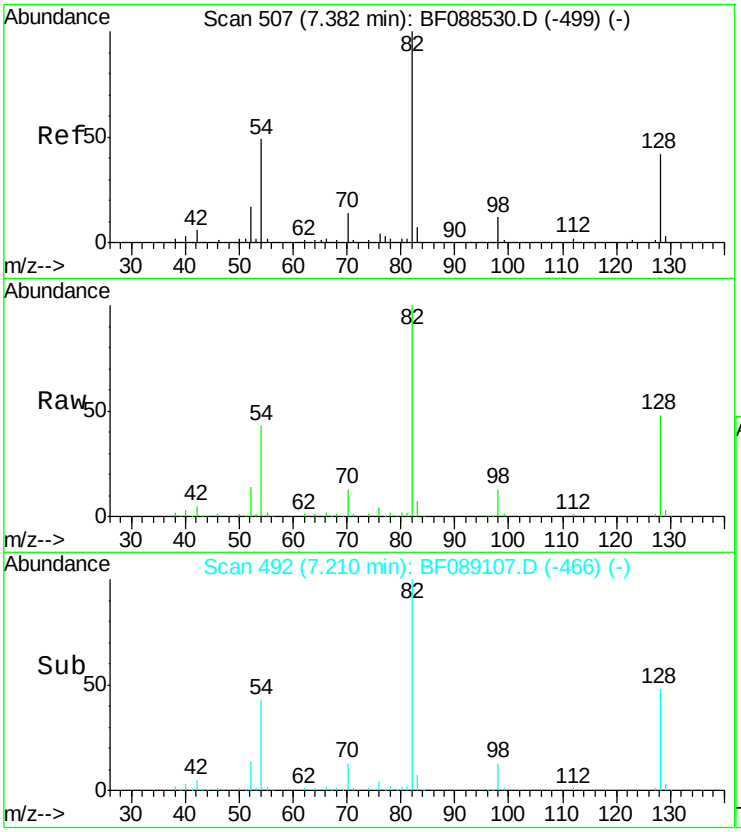


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:136 Resp: 198157

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.7	6.6	10.0#
68	4.6	5.1	7.7#



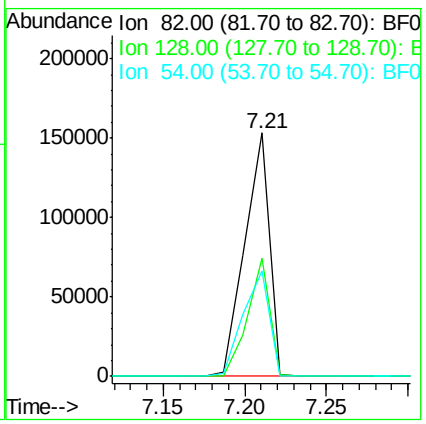


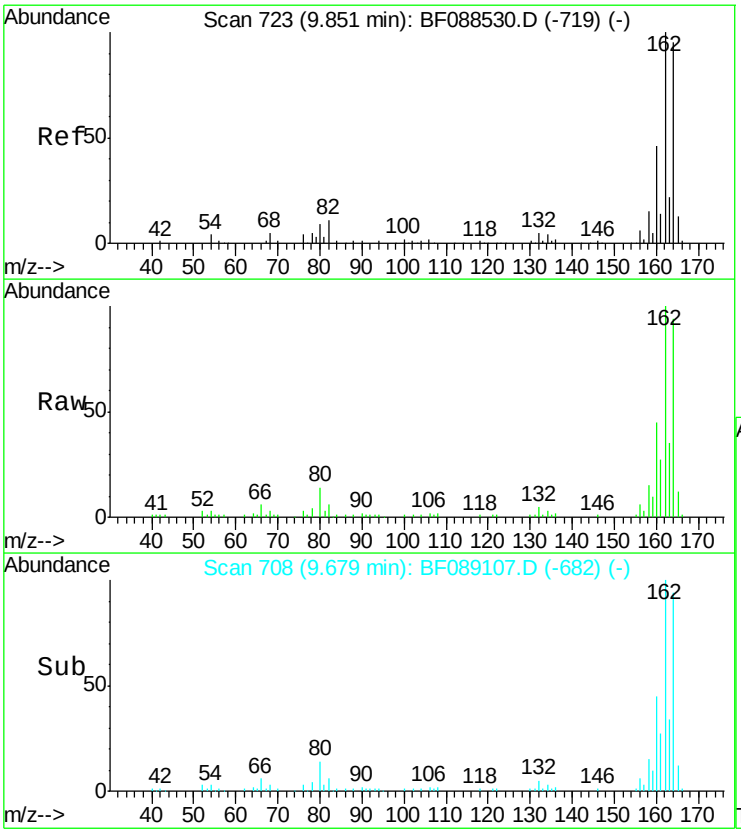
#23
Nitrobenzene-d5
Concen: 42.47 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion: 82 Resp: 160586

Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	43.2	40.9	61.3

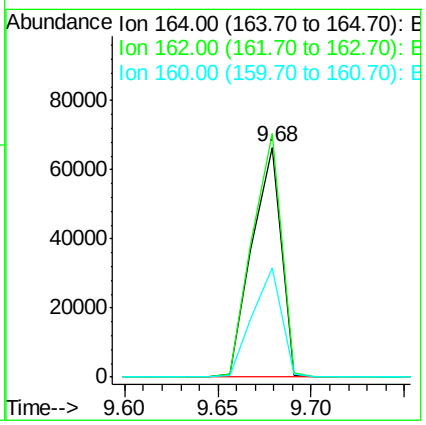


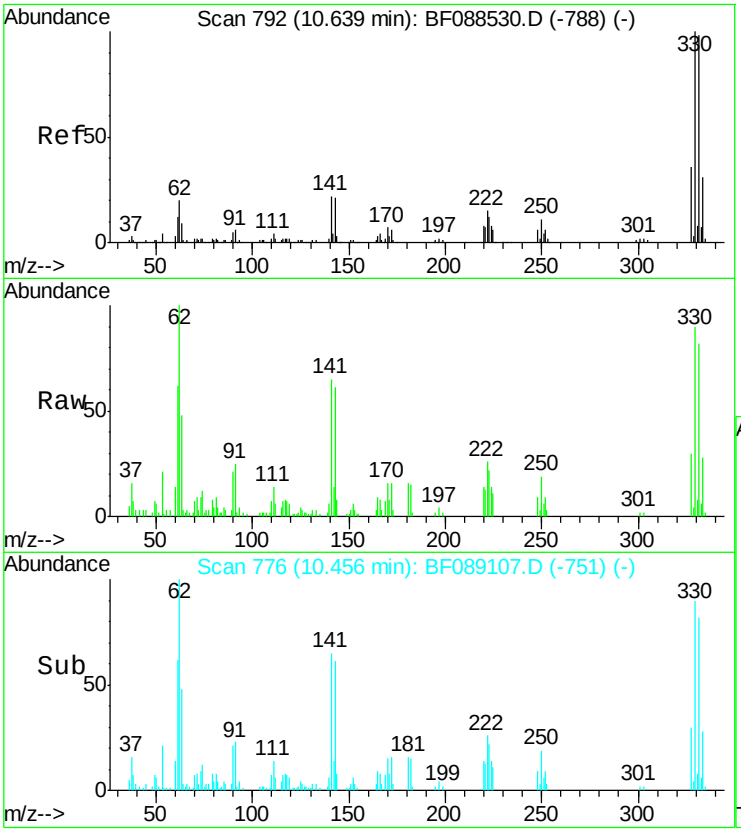


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:164 Resp: 71818

Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.4	128.2
160	47.3	39.5	59.3



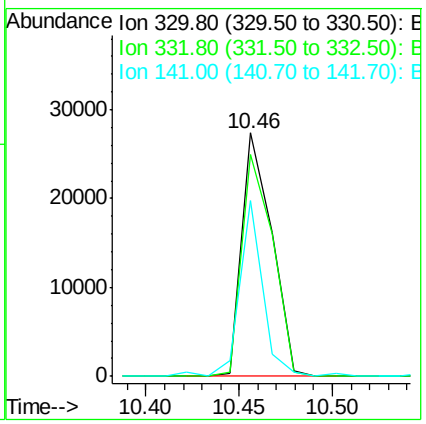


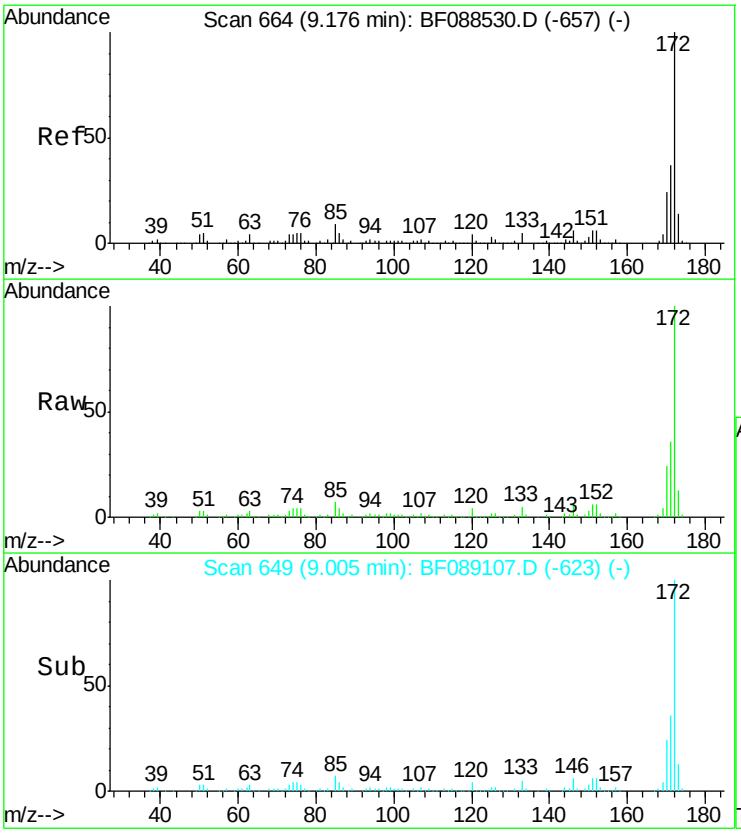
#41
2,4,6-Tribromophenol
Concen: 45.83 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:330 Resp: 30564

Ion	Ratio	Lower	Upper
330	100		
332	94.1	0.0	0.0#
141	56.7	0.0	0.0#

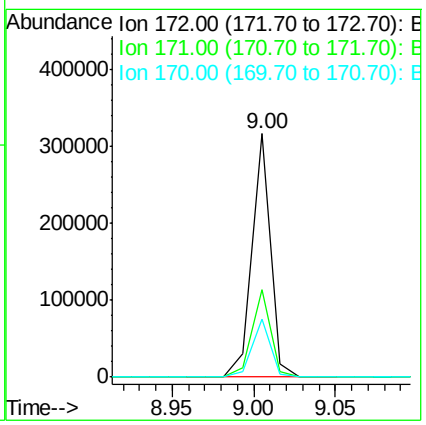


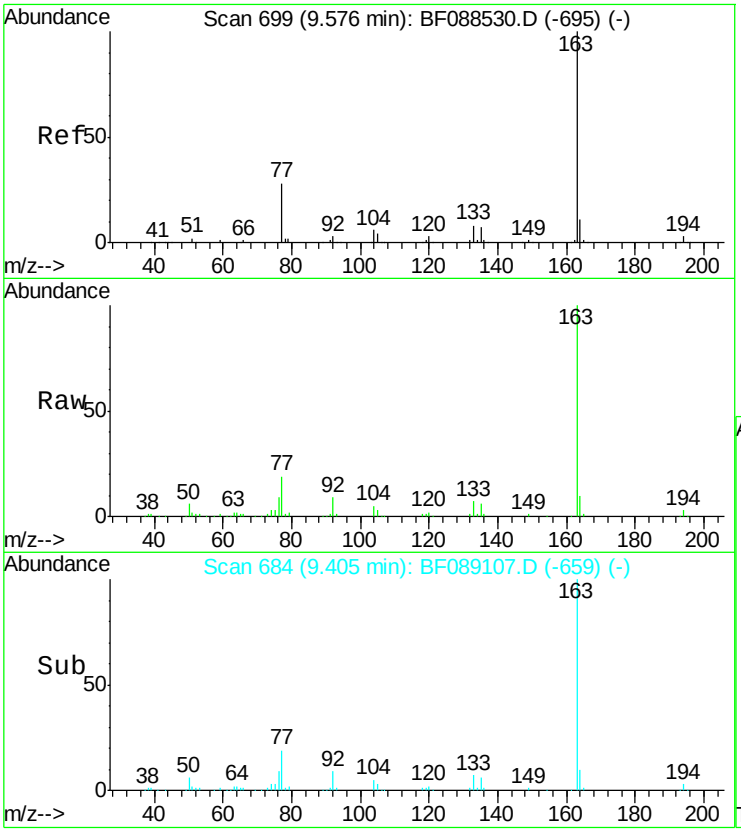


#44
2-Fluorobiphenyl
Concen: 55.10 ng
RT: 9.00 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:172 Resp: 250503

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.6	19.2	28.8



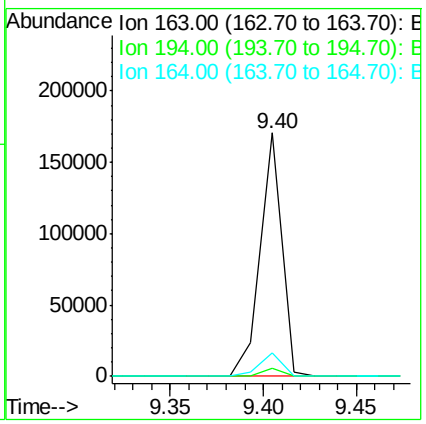


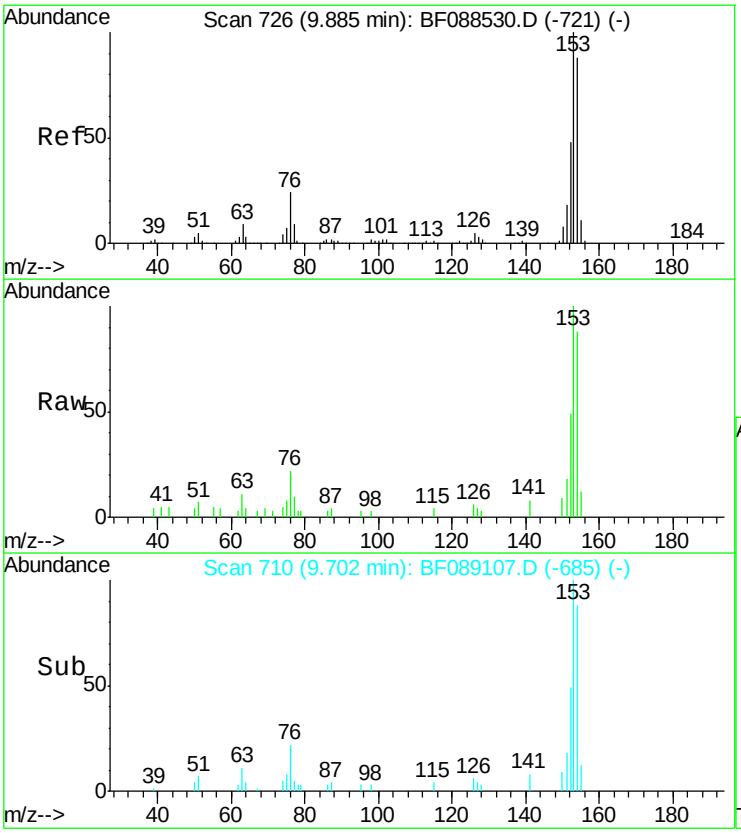
#49
Dimethylphthalate
Concen: 26.47 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:163 Resp: 135432

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.7	8.3	12.5

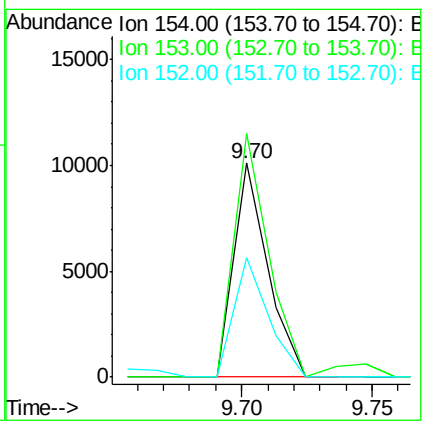


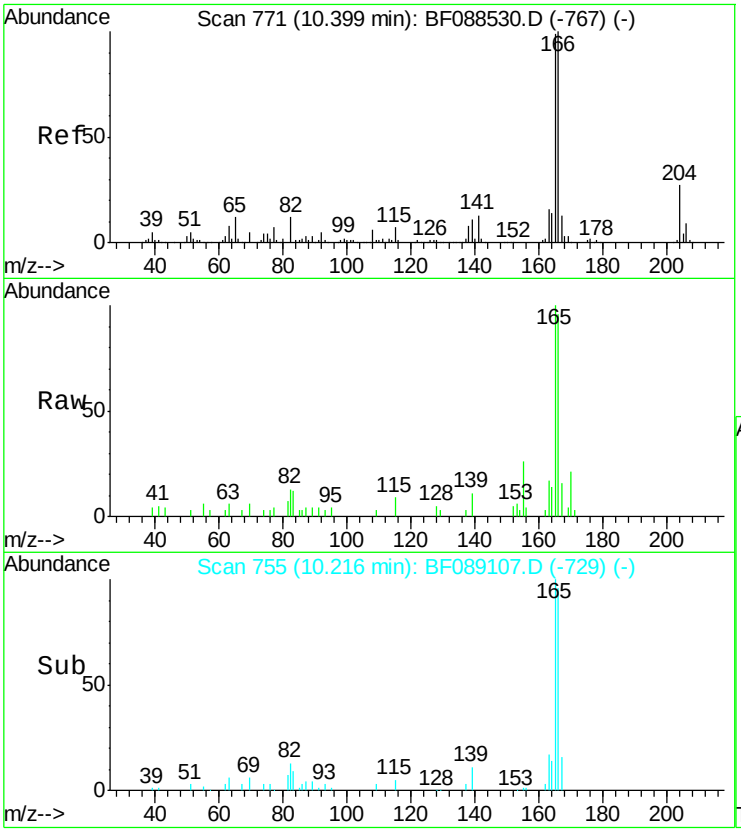


#51
Acenaphthene
Concen: 2.01 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:154 Resp: 9174

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.5	134.3
152	56.0	42.7	64.1



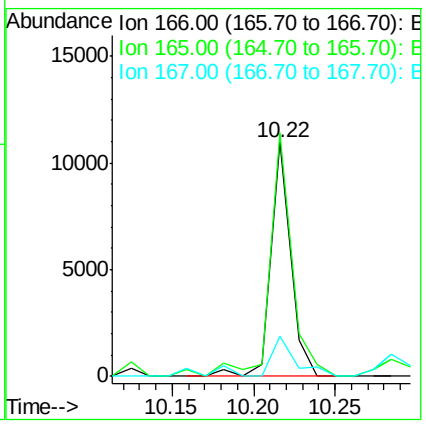


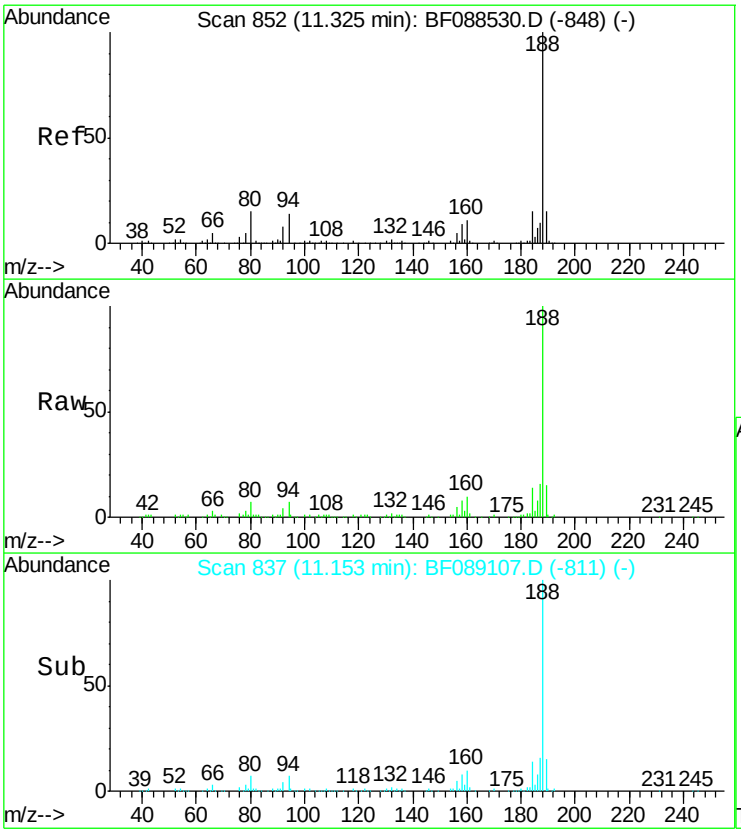
#57
Fluorene
Concen: 2.03 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:166 Resp: 9304

Ion	Ratio	Lower	Upper
166	100		
165	103.8	77.8	116.8
167	17.1	11.2	16.8#

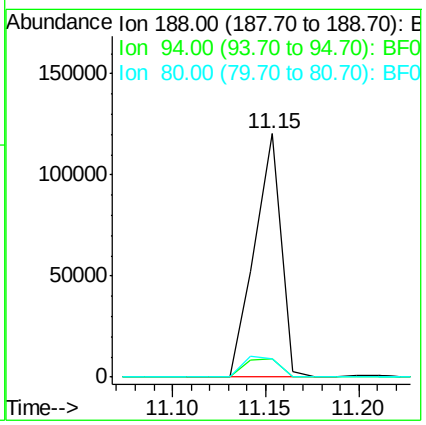


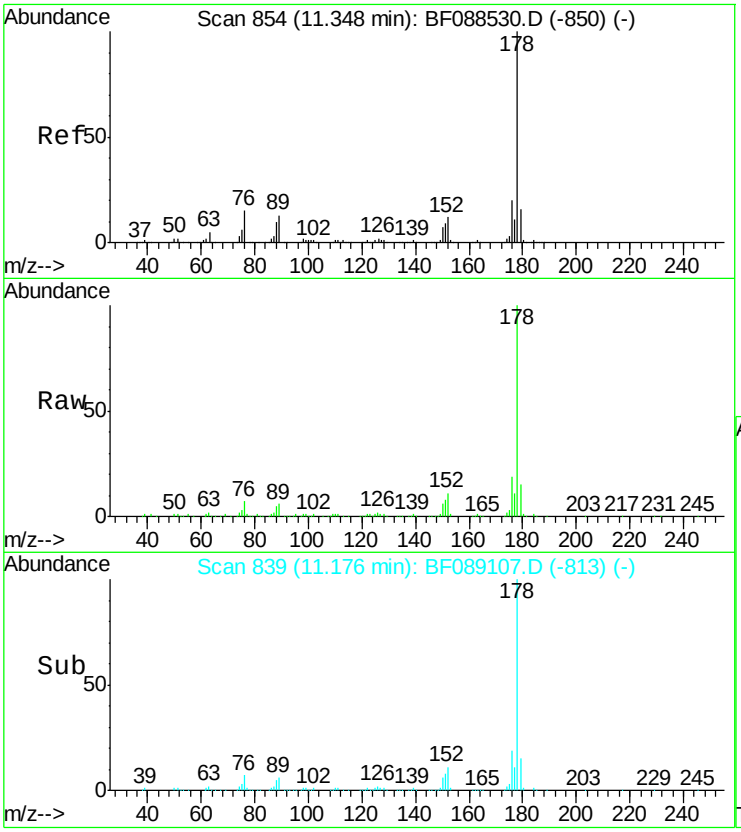


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:188 Resp: 120351

Ion	Ratio	Lower	Upper
188	100		
94	7.3	9.0	13.6#
80	7.5	10.0	15.0#



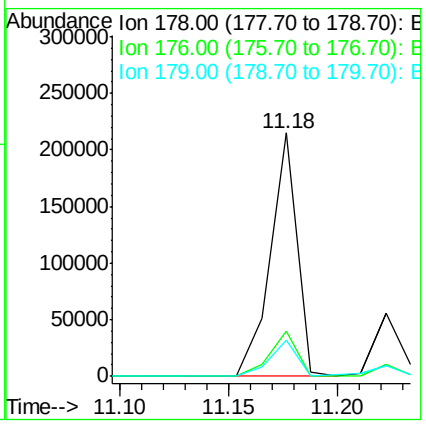


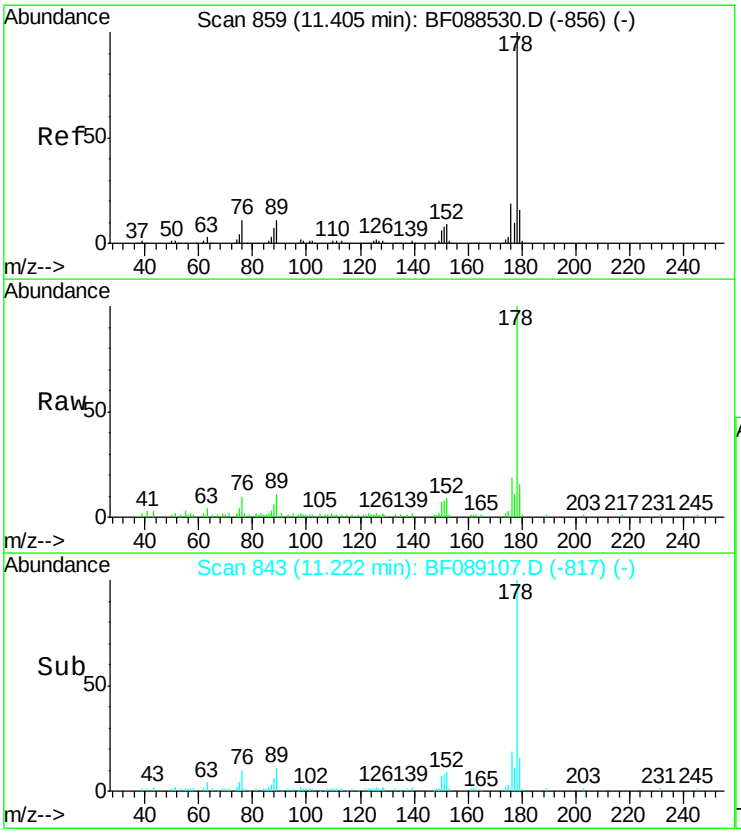
#70
Phenanthrene
Concen: 28.27 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:178 Resp: 185998

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.0	13.0	19.4

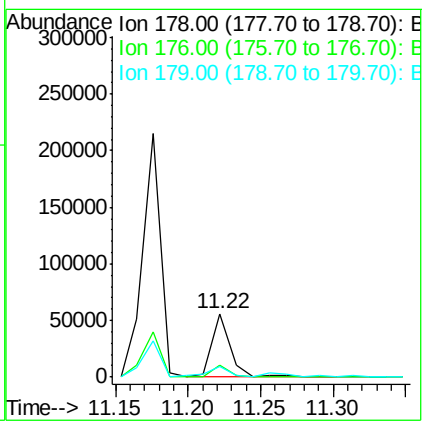


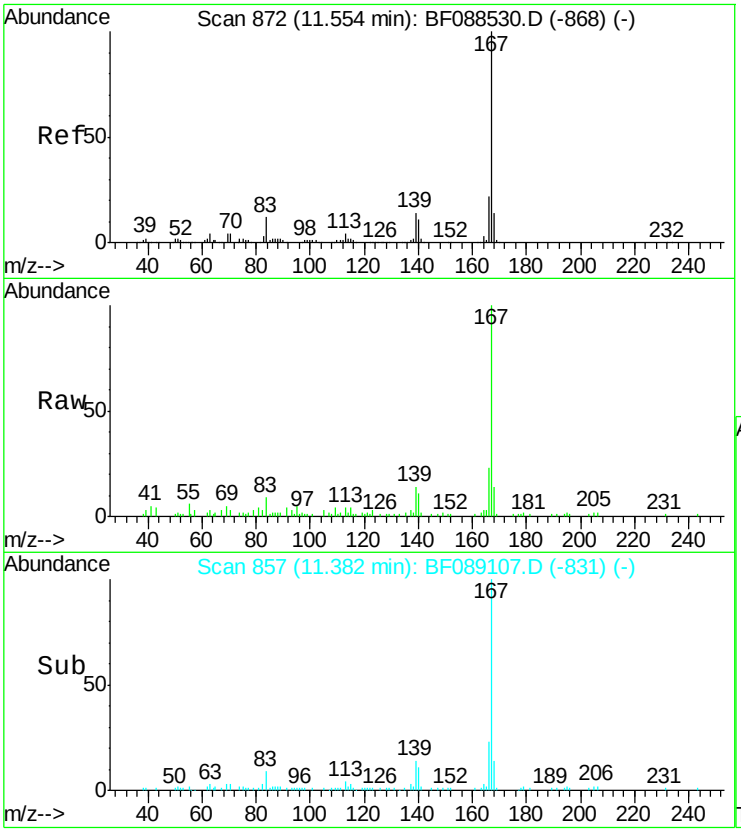


#71
Anthracene
Concen: 7.48 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:178 Resp: 48935

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.0	12.8	19.2



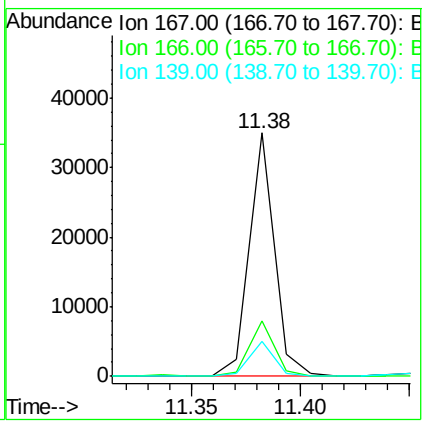


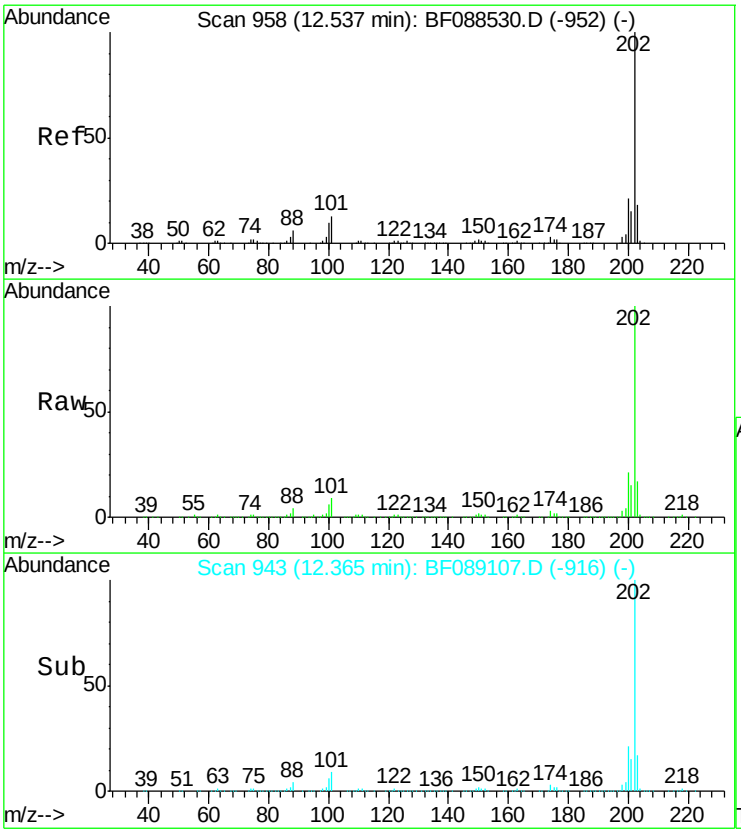
#72
Carbazole
Concen: 4.55 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:167 Resp: 28020

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.8	26.6
139	14.2	11.2	16.8

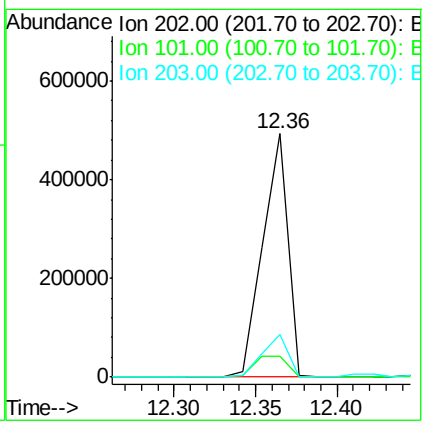


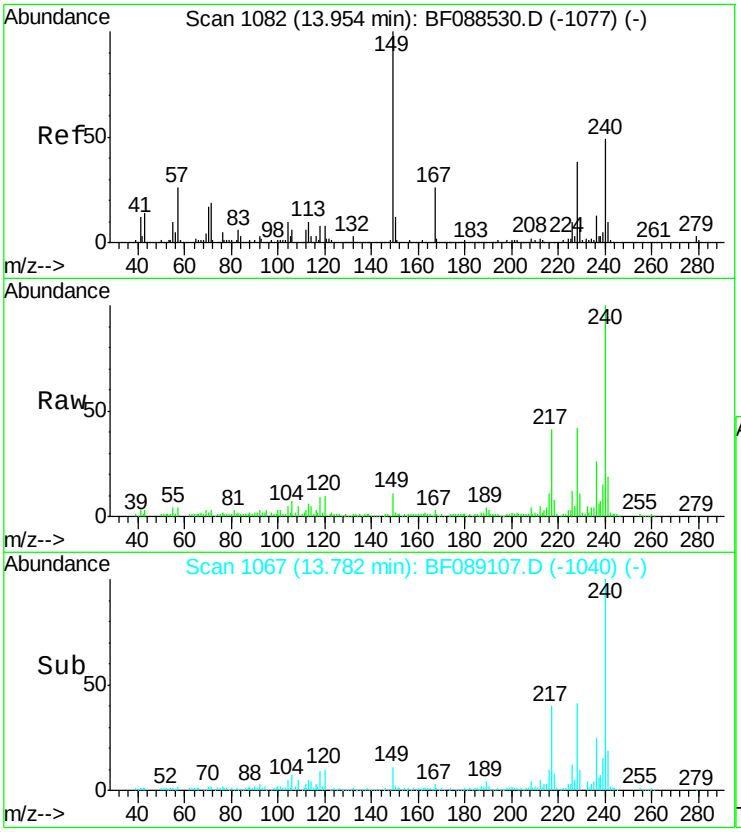


#74
Fluoranthene
Concen: 79.16 ng
RT: 12.36 min Scan# 943
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:202 Resp: 527933

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	33.1
203	17.5	0.0	38.1



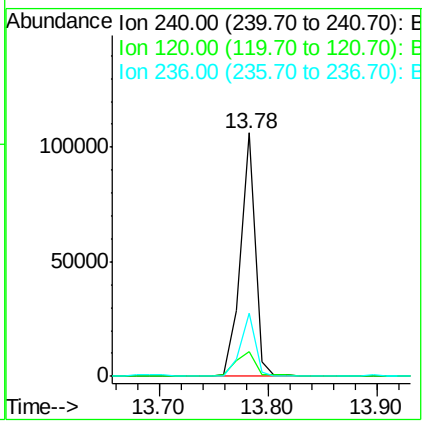


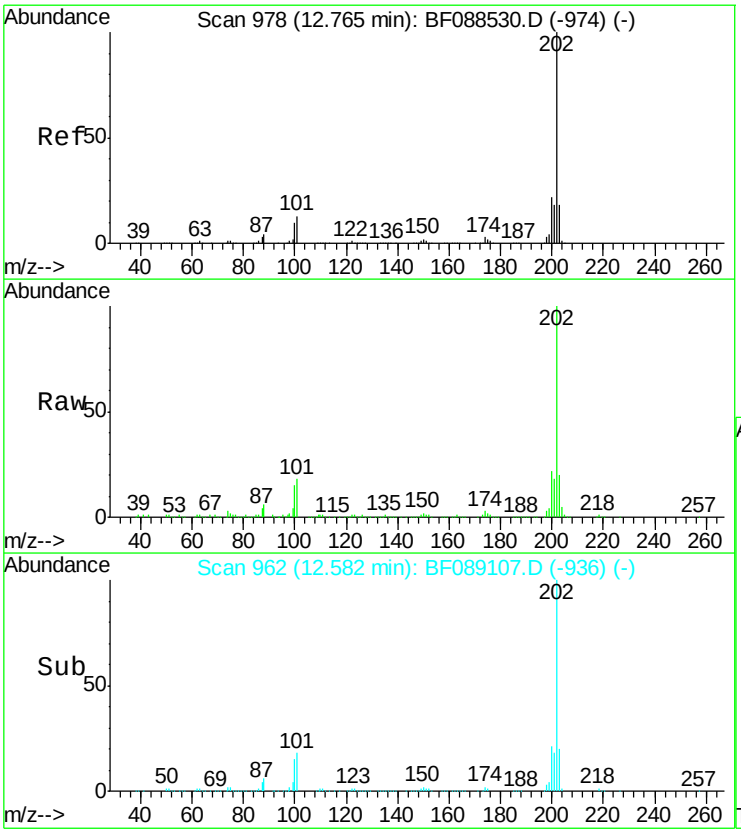
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.78 min Scan# 1067
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:240 Resp: 99091

Ion	Ratio	Lower	Upper
240	100		
120	10.0	6.8	10.2
236	25.7	20.2	30.2

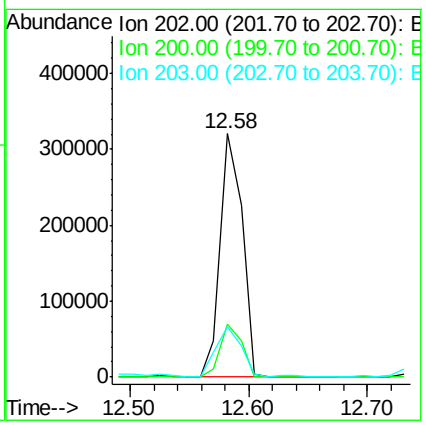


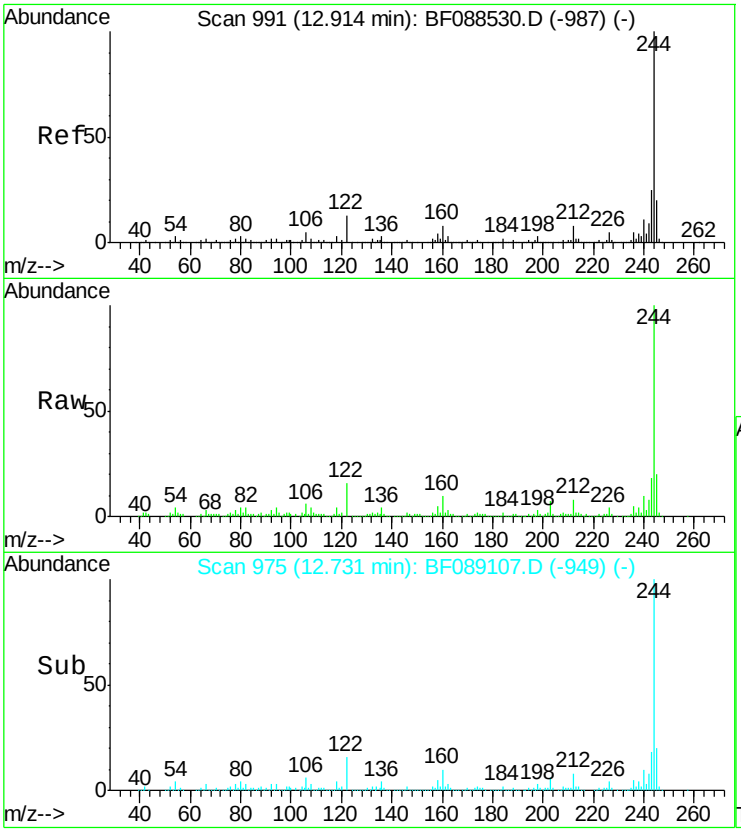


#77
Pyrene
Concen: 49.01 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:202 Resp: 411760

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	20.5	14.5	21.7



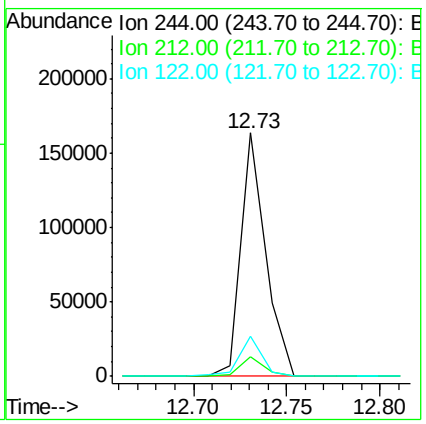


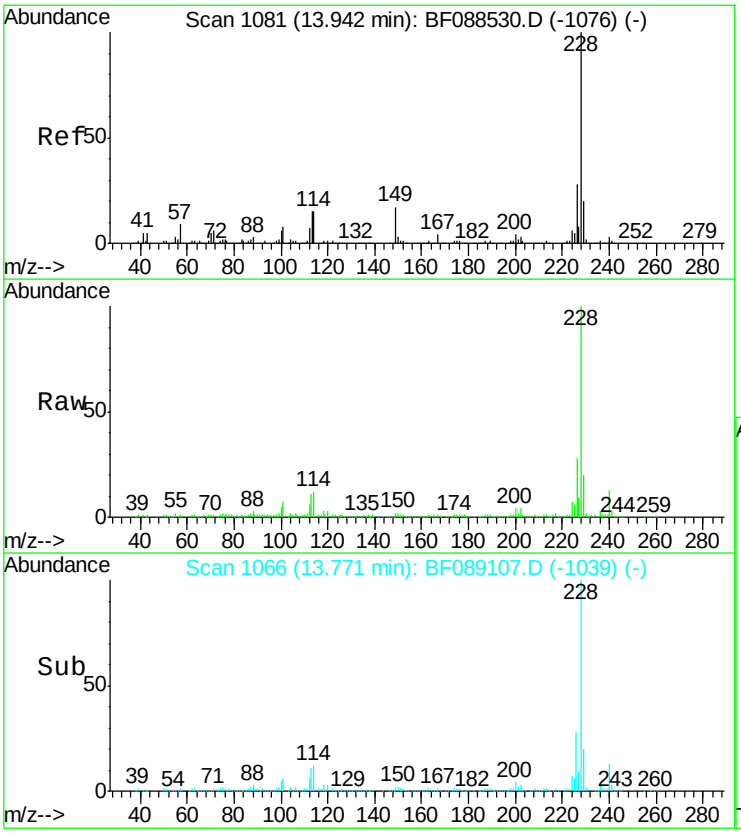
#78
Terphenyl-d14
Concen: 33.89 ng
RT: 12.73 min Scan# 975
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:244 Resp: 150765

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.0	9.0
122	16.3	11.2	16.8

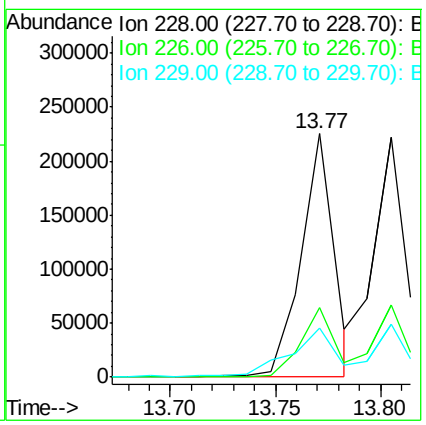


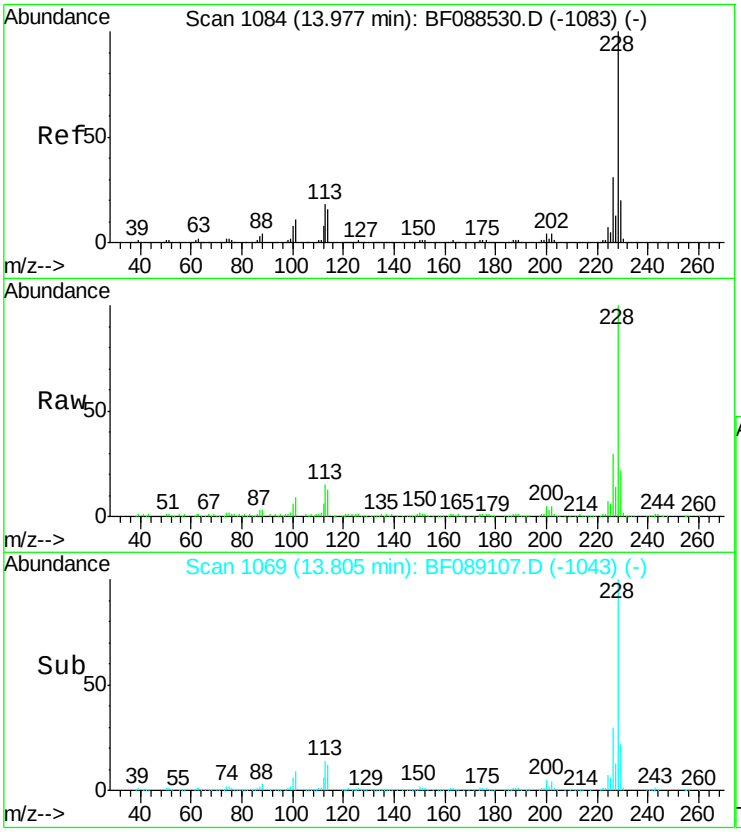


#80
Benzo(a)anthracene
Concen: 38.06 ng m
RT: 13.77 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:228 Resp: 242828

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	20.1	16.0	24.0



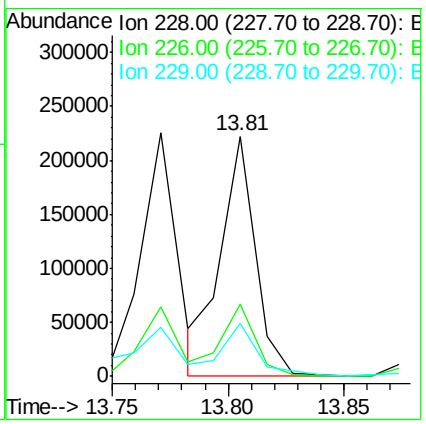


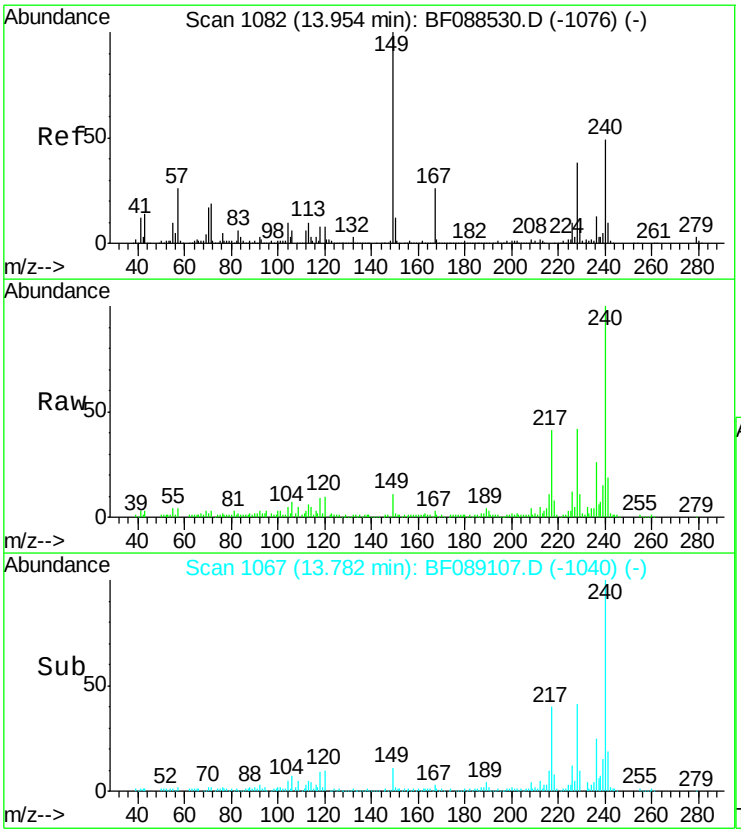
#82
Chrysene
Concen: 36.66 ng m
RT: 13.81 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:228 Resp: 231426

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	22.1	16.3	24.5

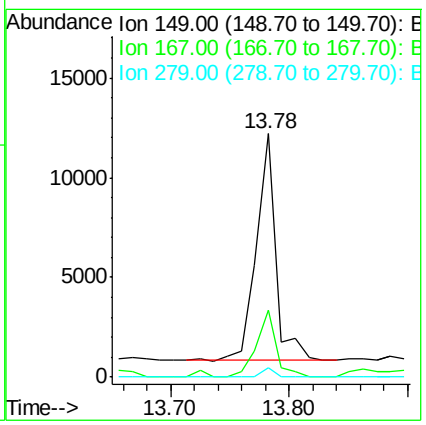


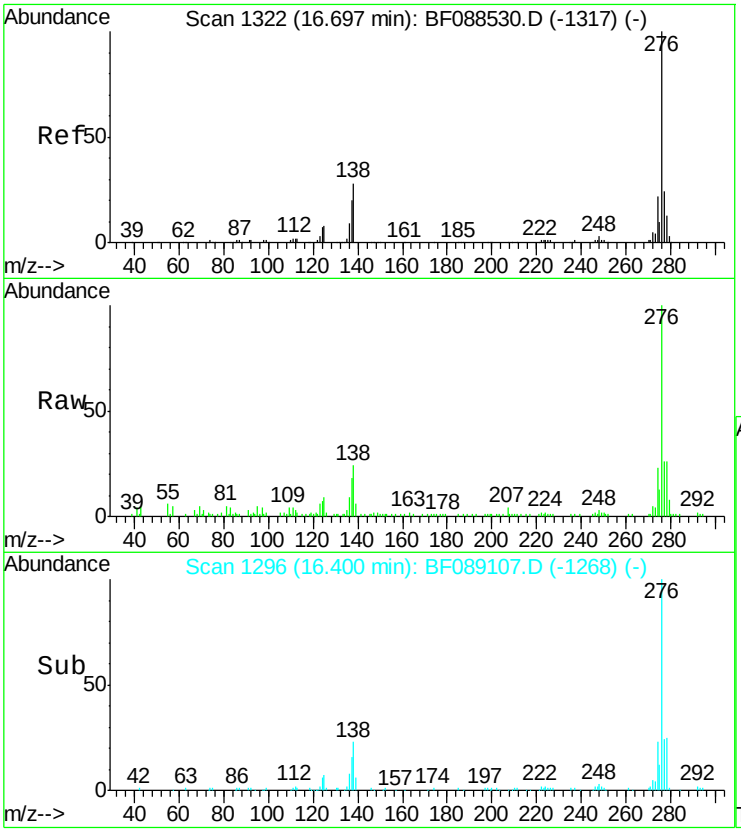


#83
Bis(2-ethylhexyl)phthalate
Concen: 3.08 ng
RT: 13.78 min Scan# 1067
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:149 Resp: 13158

Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.5	30.7
279	3.9	2.0	3.0#



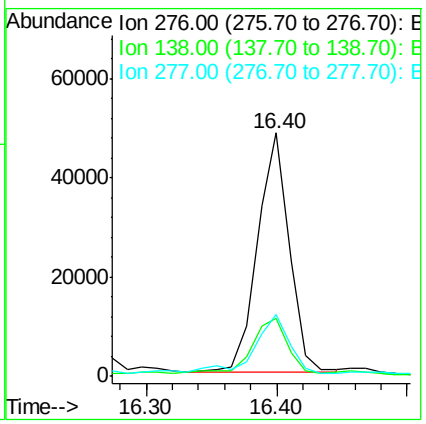


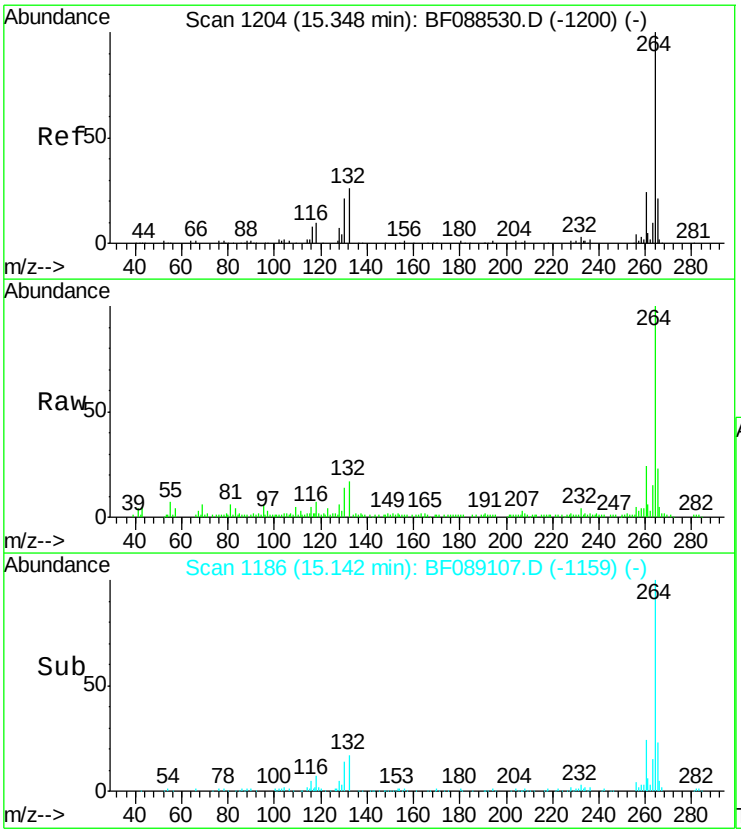
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.02 ng
RT: 16.40 min Scan# 1296
Delta R.T. 0.02 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:276 Resp: 82668

Ion	Ratio	Lower	Upper
276	100		
138	26.7	0.0	0.0#
277	28.0	0.0	0.0#

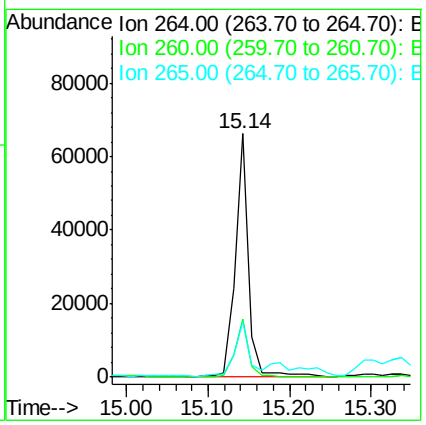


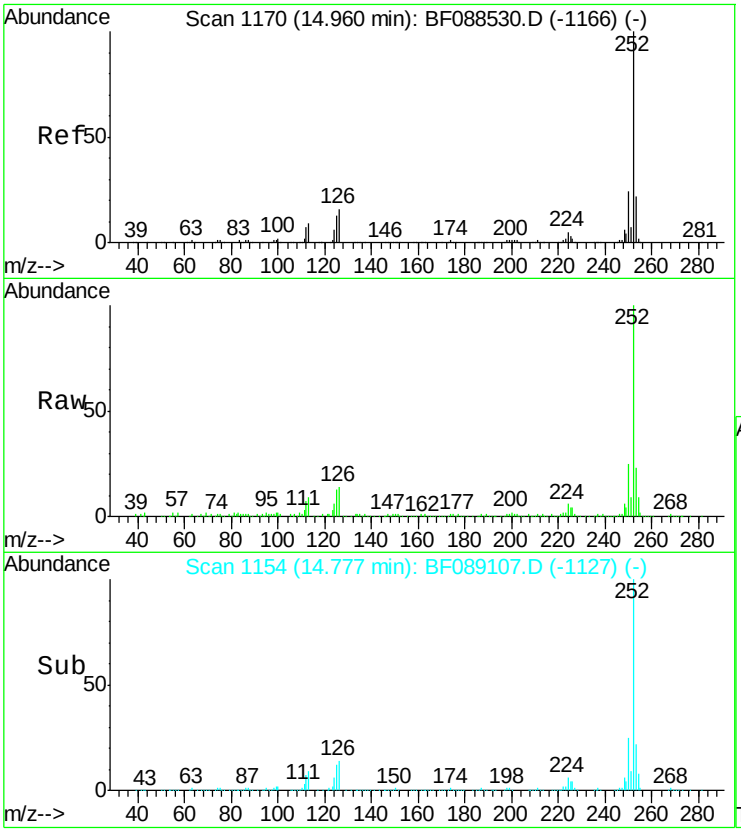


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:264 Resp: 74658

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.9	16.9	25.3



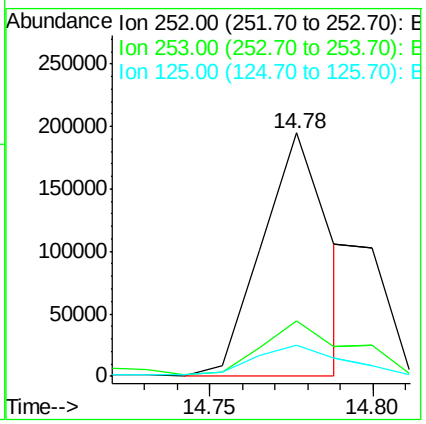


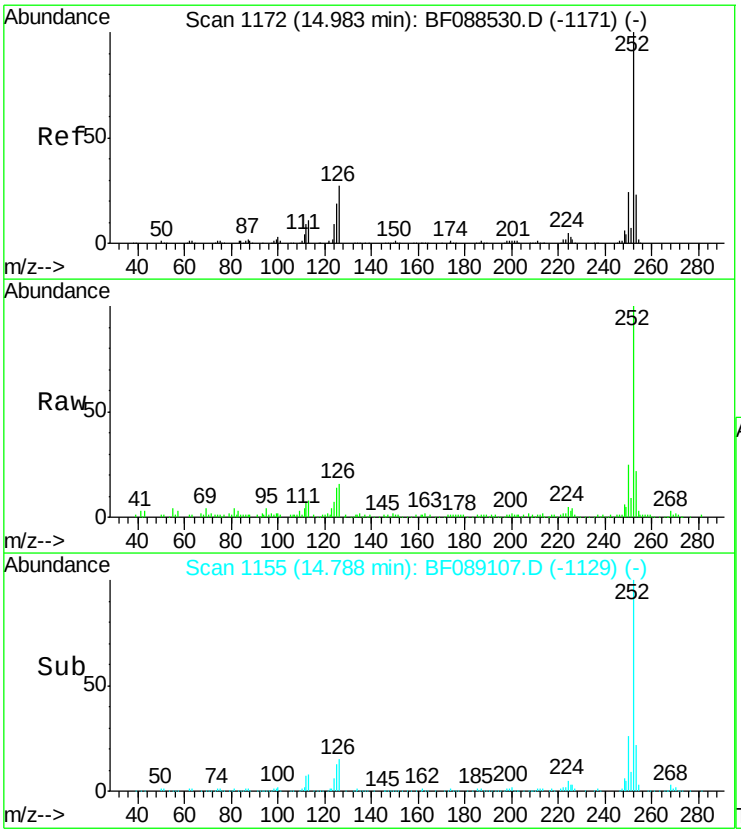
#87
Benzo(b)fluoranthene
Concen: 60.01 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:252 Resp: 281027

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.7	7.1	10.7#

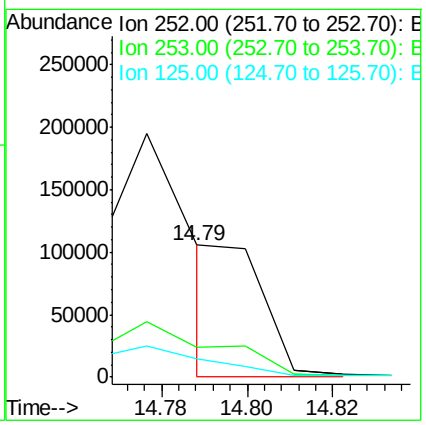


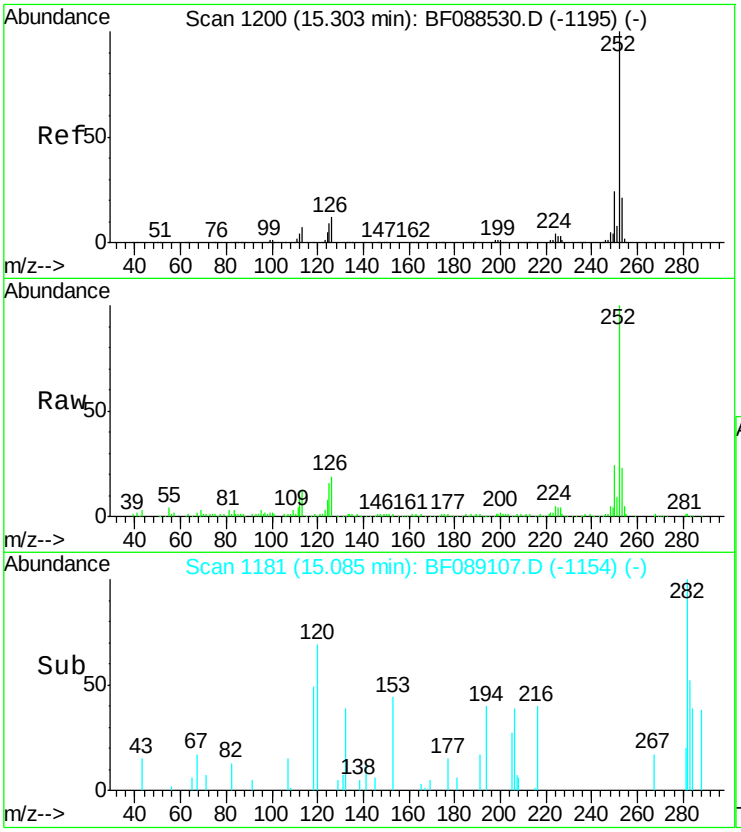


#88
Benzo(k)fluoranthene
Concen: 18.57 ng m
RT: 14.79 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:252 Resp: 75725

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	14.0	11.2	16.8



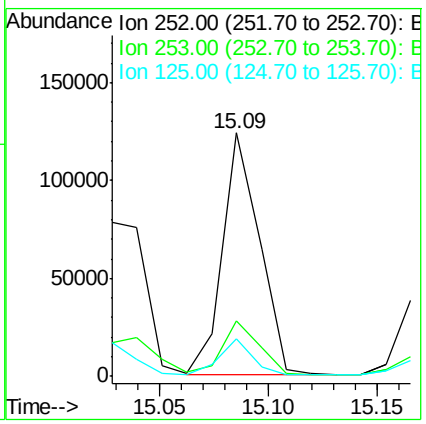


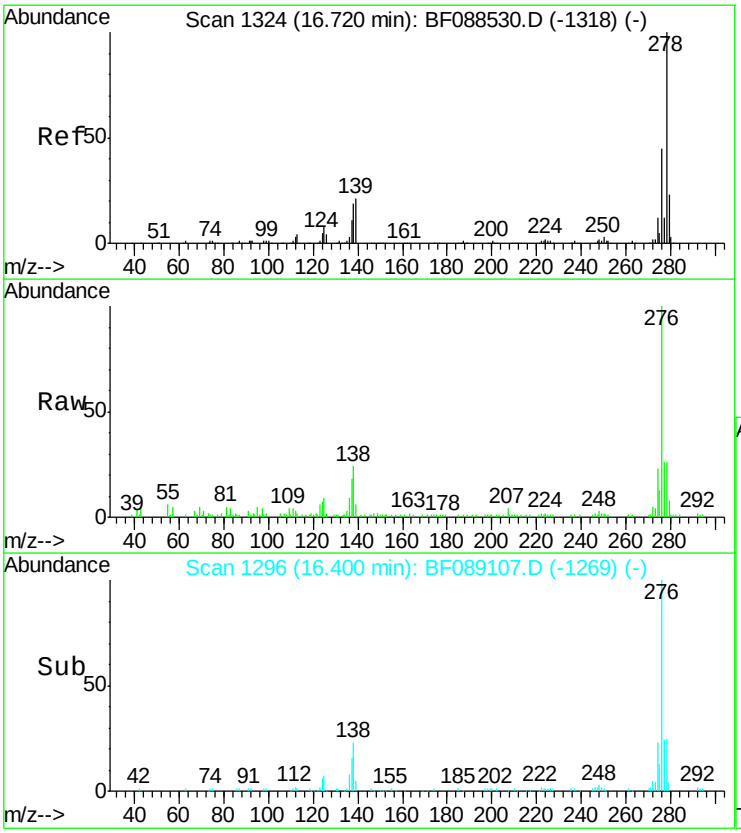
#89
Benzo(a)pyrene
Concen: 36.92 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:252 Resp: 146389

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	15.7	12.5	18.7

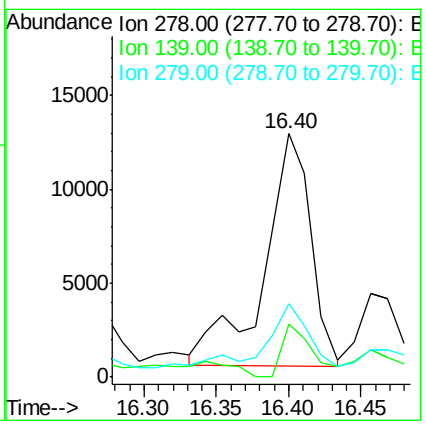


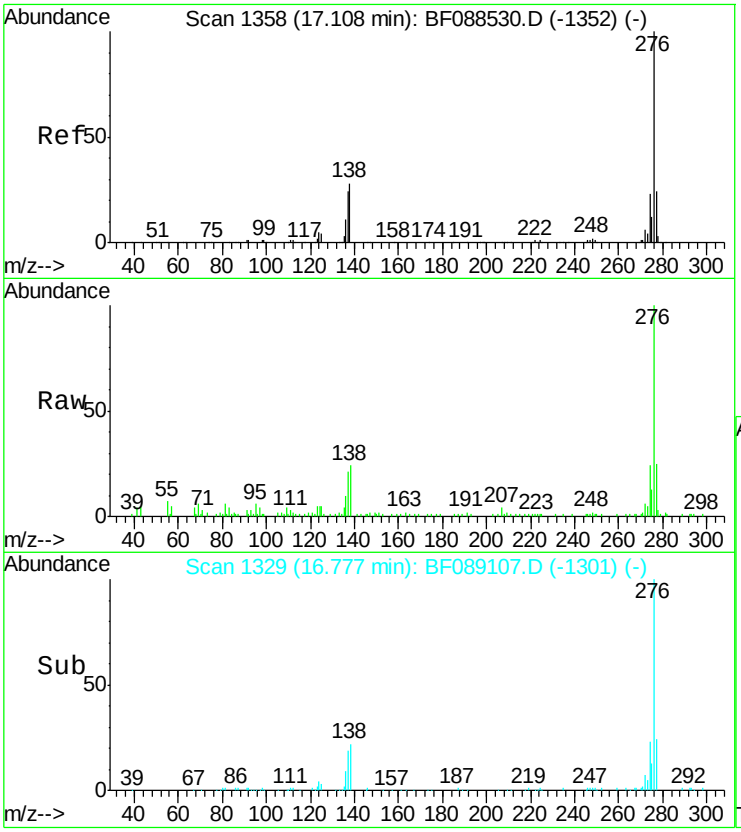


#90
Dibenzo(a,h)anthracene
Concen: 8.50 ng m
RT: 16.40 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Tgt Ion:278 Resp: 28134

Ion	Ratio	Lower	Upper
278	100		
139	21.7	15.7	23.5
279	29.9	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 21.76 ng
RT: 16.78 min Scan# 1329
Delta R.T. 0.02 min
Lab File: BF089107.D
Acq: 19 Jul 2016 4:37

Instrument :
BNA_F
ClientSampleId :
C5-14DL

Tgt Ion:276 Resp: 74542

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	23.5	21.4	32.2