Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
Data File : BF093860.D
Acq On : 23 Mar 2017 4:30
Operator : SJ/MA
Sample : I2337-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q14-BASE

Quant Time: Mar 23 07:02:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	196204	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	788265	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	359923	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	619629	20.00	ng	0.00
75) Chrysene-d12	14.71	240	434685	20.00	ng	0.00
86) Perylene-d12	16.34	264	321559	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.52	112	1254491	107.99	ng	0.01
7) Phenol-d6	5.57	99	1608720	111.94	ng	0.00
23) Nitrobenzene-d5	6.63	82	1003346	72.64	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	321251	112.95	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1751762	74.24	ng	0.00
78) Terphenyl-d14	13.44	244	1359903	70.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.58	94	67823	4.15	ng	89
49) Dimethylphthalate	9.30	163	153530	6.00	ng	98
51) Acenaphthene	9.67	154	78847	3.58	ng	99
57) Fluorene	10.30	166	73877m	2.97	ng	
70) Phenanthrene	11.49	178	1163268	33.75	ng	99
71) Anthracene	11.54	178	246294	6.94	ng	99
74) Fluoranthene	12.96	202	1133122	32.10	ng	98
77) Pyrene	13.23	202	1291623	40.94	ng	99
80) Benzo(a)anthracene	14.70	228	466649	18.41	ng	99
82) Chrysene	14.74	228	462439	19.66	ng	97
85) Indeno(1,2,3-cd)pyrene	17.73	276	125681	6.17	ng	97
87) Benzo(b)fluoranthene	15.93	252	346417m	17.58	ng	
88) Benzo(k)fluoranthene	15.96	252	92858m	4.81	ng	
89) Benzo(a)pyrene	16.28	252	261101	14.38	ng	97
91) Benzo(g,h,i)perylene	18.14	276	133453	8.61	ng	98

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

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Misc :
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Instrument :
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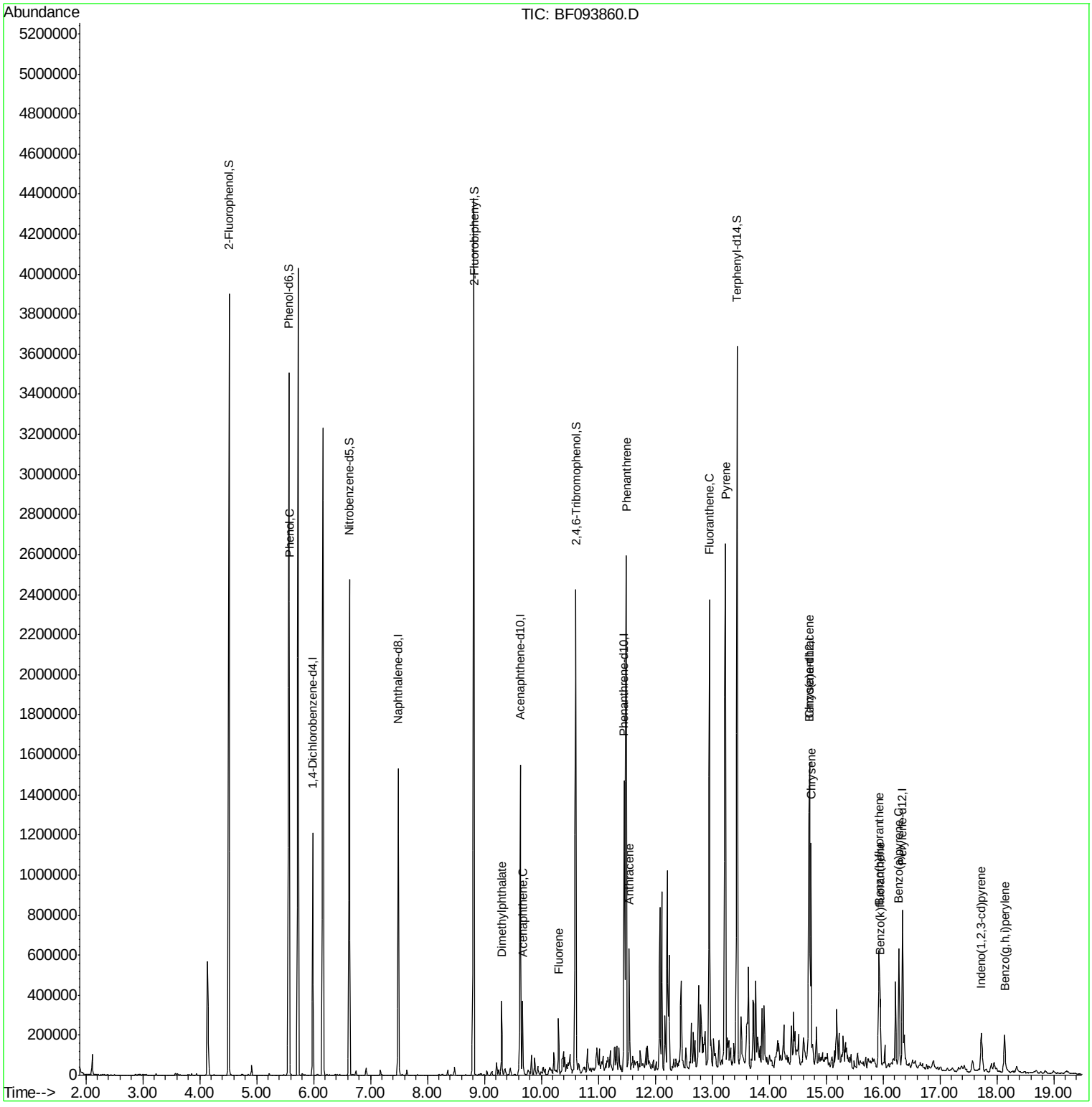
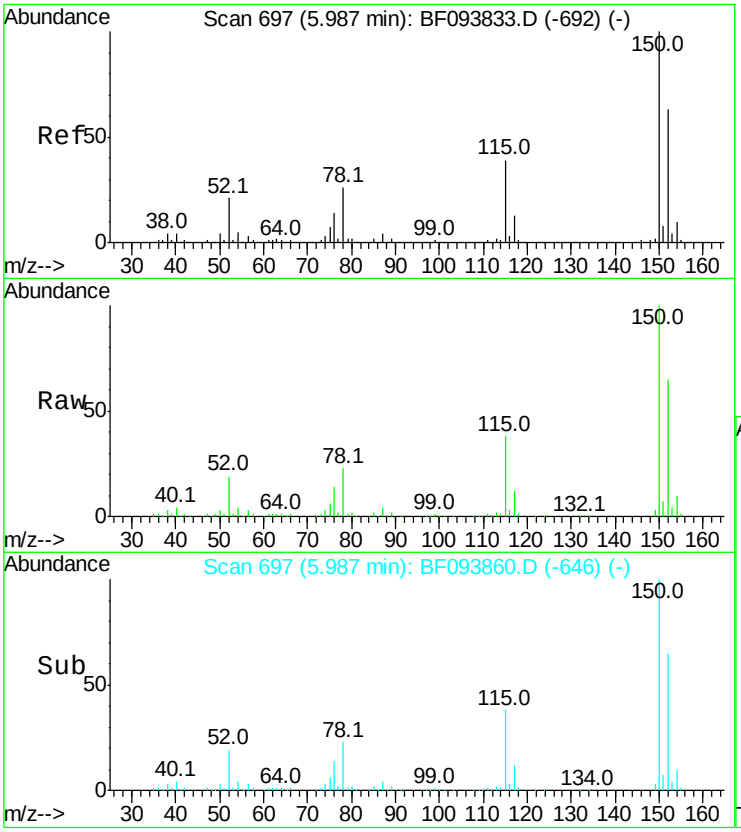


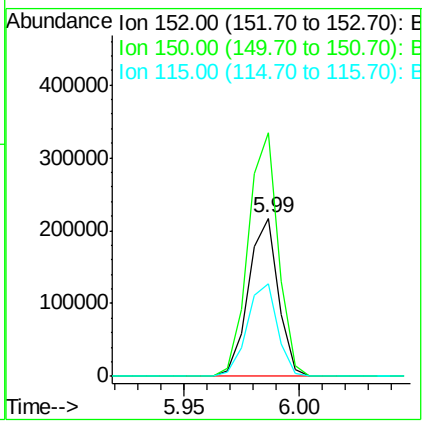


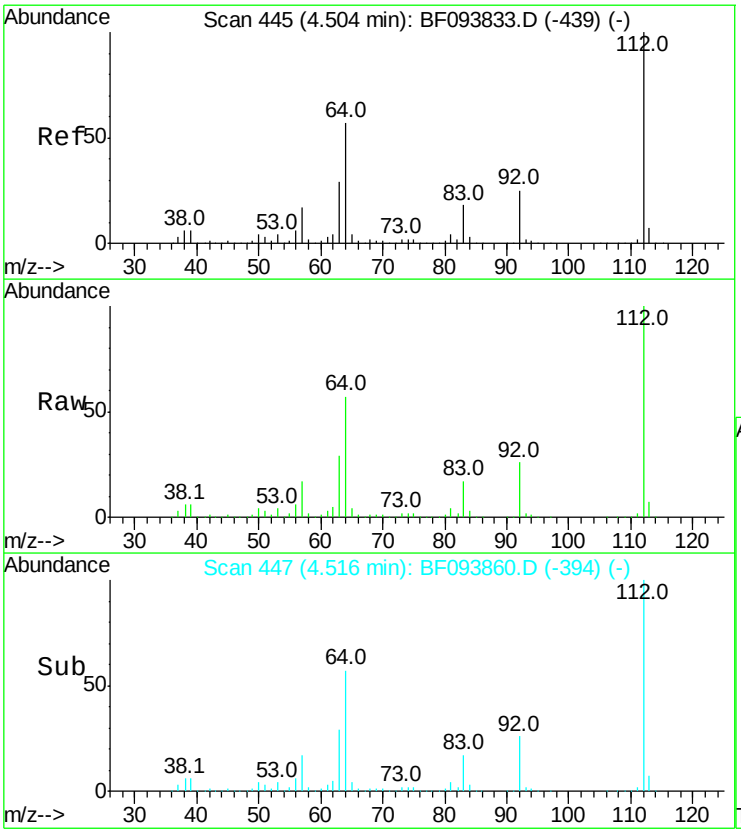
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:152 Resp: 196204

Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	58.6	52.2	78.2

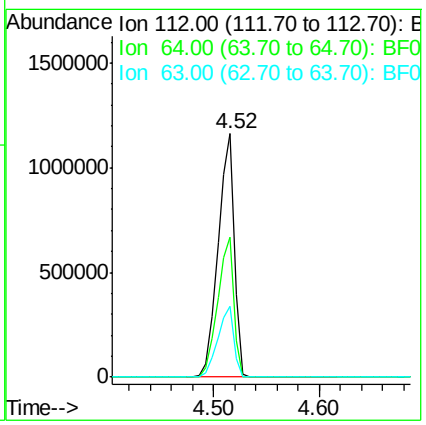


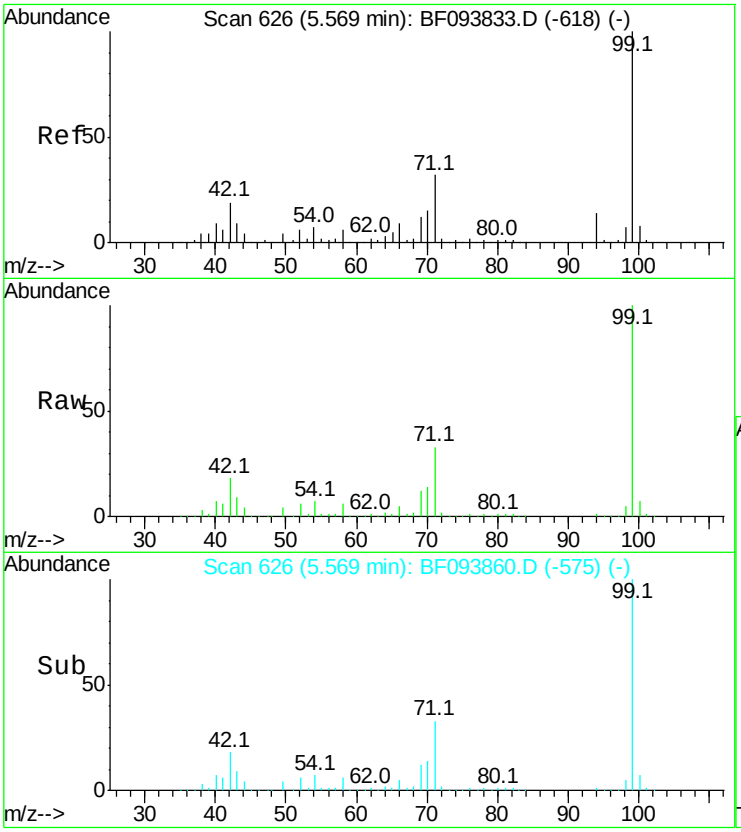


#5
2-Fluorophenol
Concen: 107.99 ng
RT: 4.52 min Scan# 447
Delta R.T. 0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:112 Resp: 1254491

Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.0	69.0
63	28.8	23.4	35.0



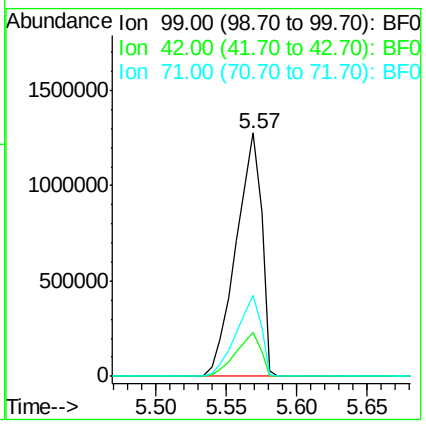


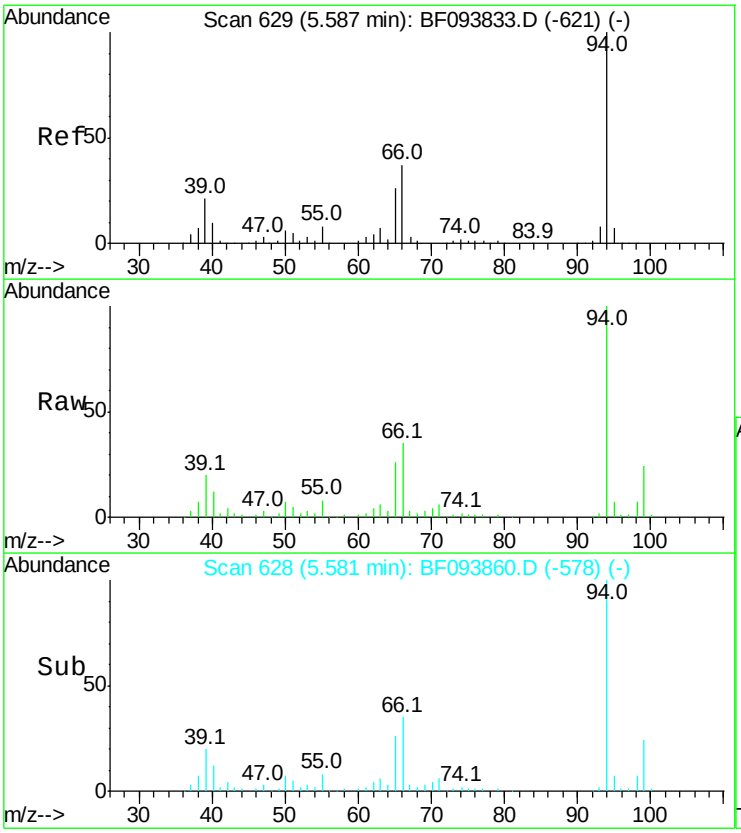
#7
Phenol-d6
Concen: 111.94 ng
RT: 5.57 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion: 99 Resp: 1608720

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.5	20.3
71	33.4	24.5	36.7

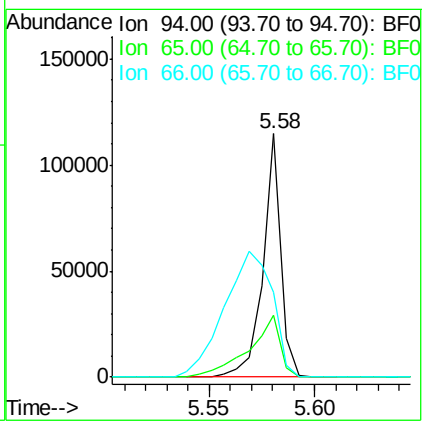


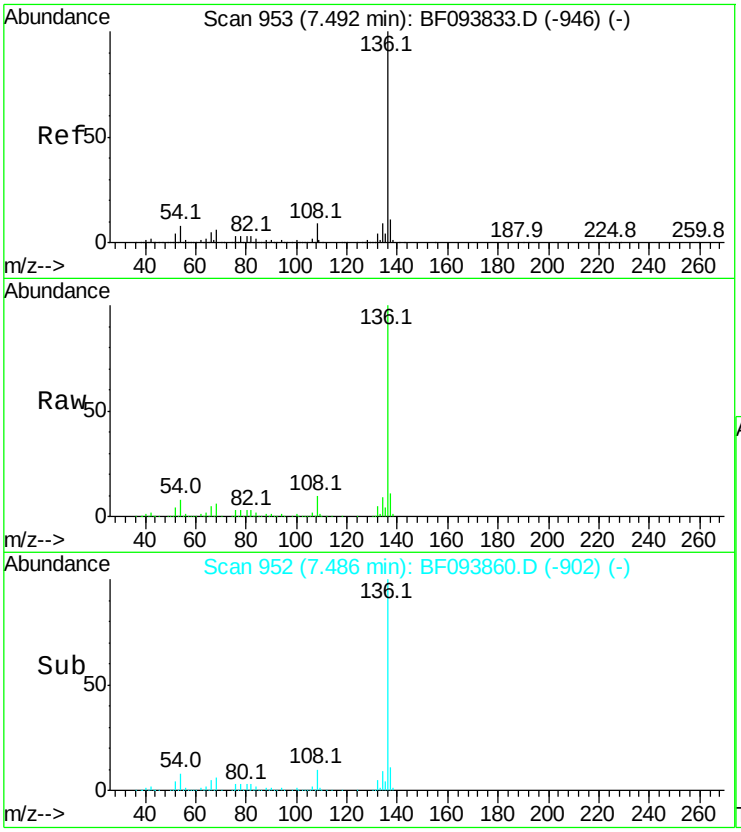


#10
Phenol
Concen: 4.15 ng
RT: 5.58 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion: 94 Resp: 67823

Ion	Ratio	Lower	Upper
94	100		
65	25.5	9.9	49.9
66	34.7	23.1	63.1



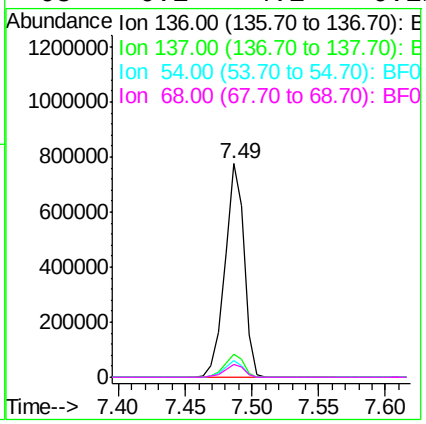


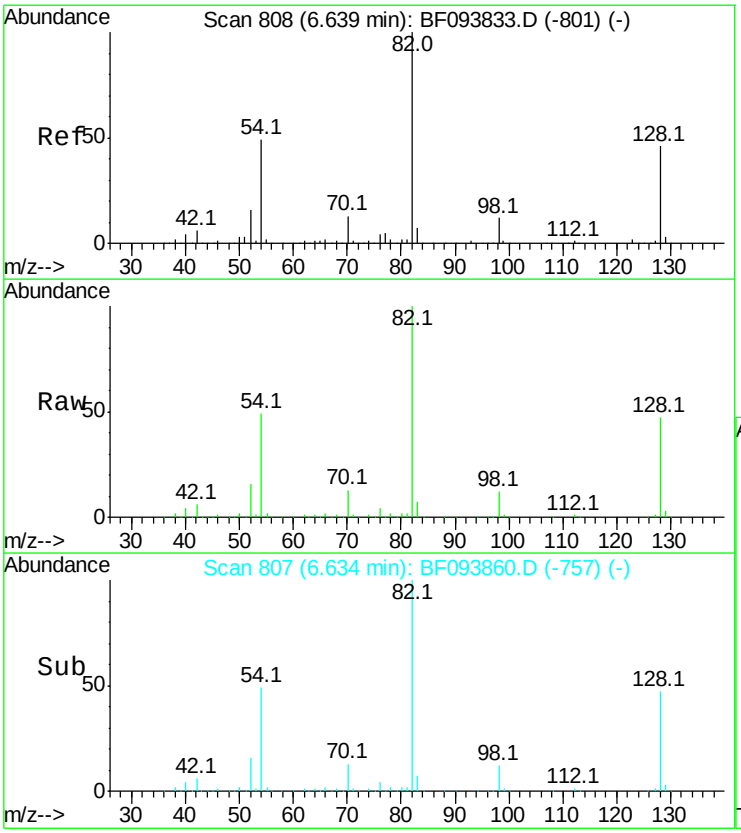
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:136 Resp: 788265

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.9	4.9	7.3#
68	6.1	4.1	6.1#

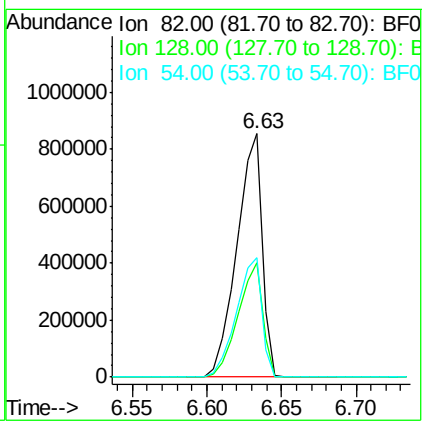


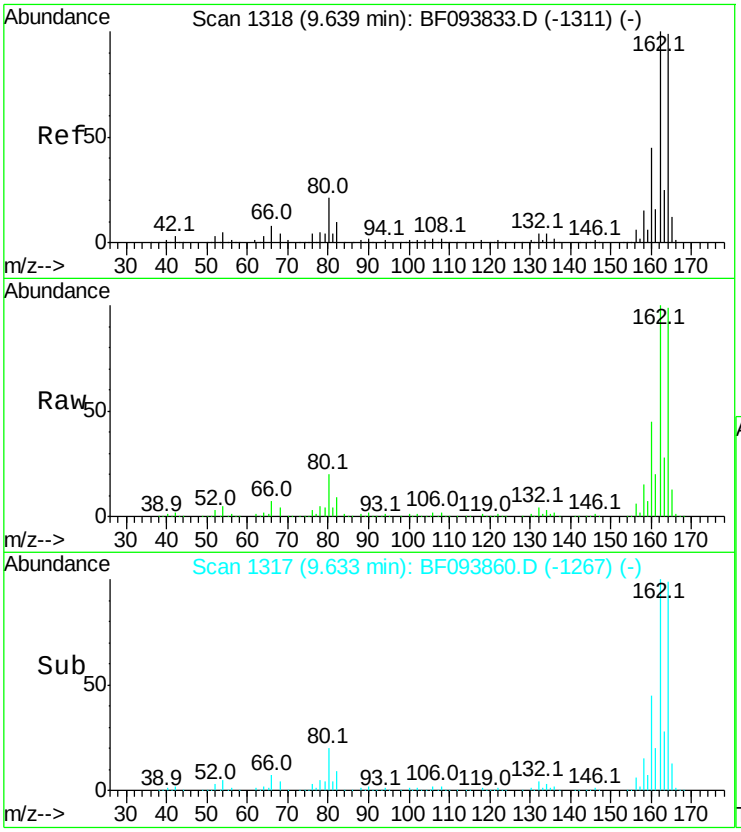


#23
Nitrobenzene-d5
Concen: 72.64 ng
RT: 6.63 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion: 82 Resp: 1003346

Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	49.3	42.2	63.2



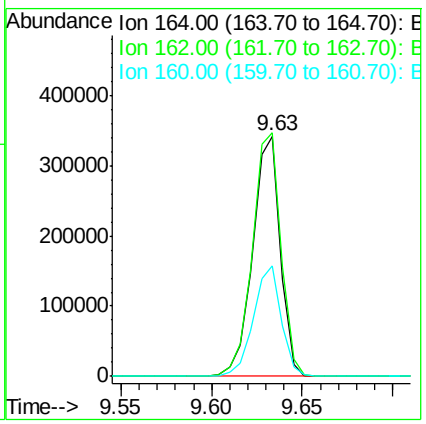


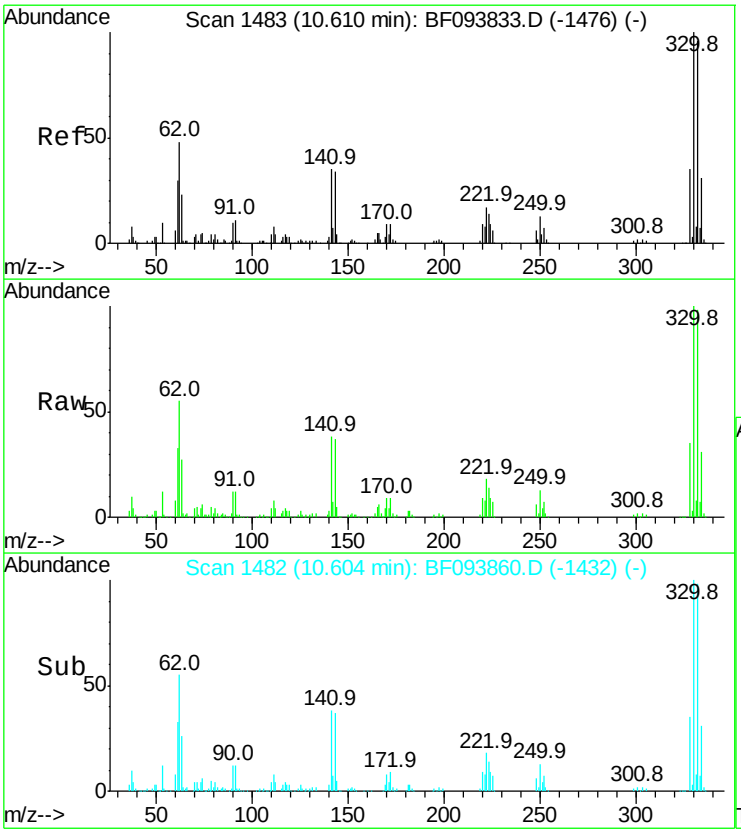
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:164 Resp: 359923

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	46.1	36.2	54.2

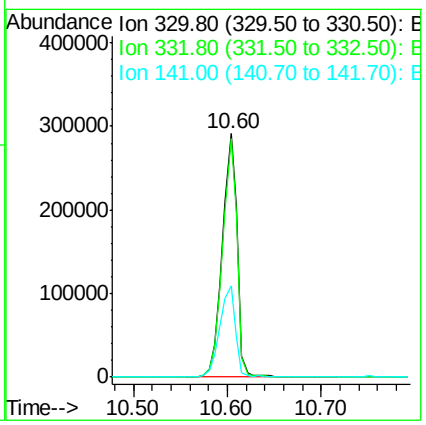


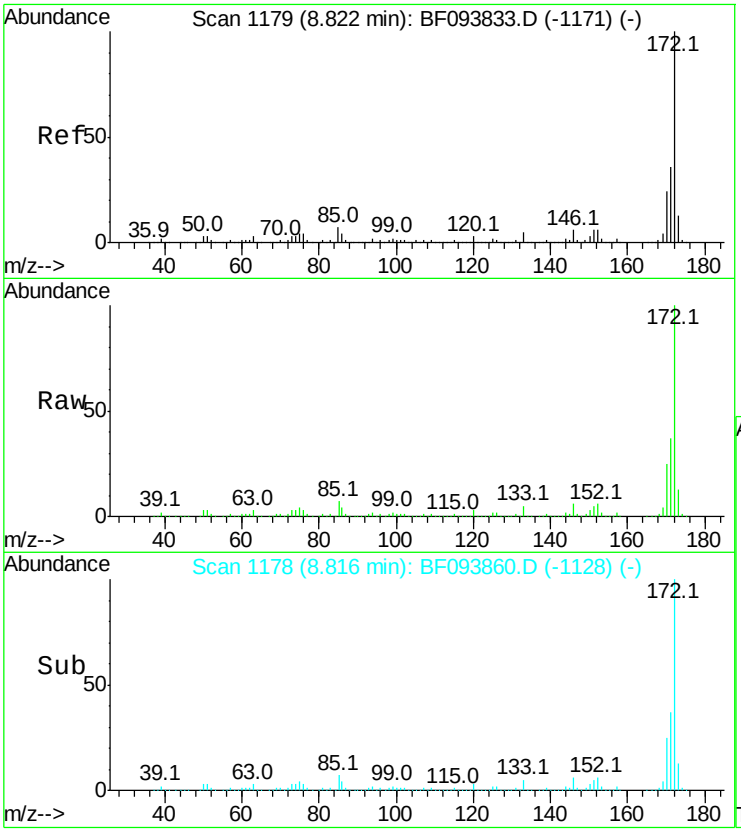


#41
2,4,6-Tribromophenol
Concen: 112.95 ng
RT: 10.60 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:330 Resp: 321251

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	39.8	31.4	47.2



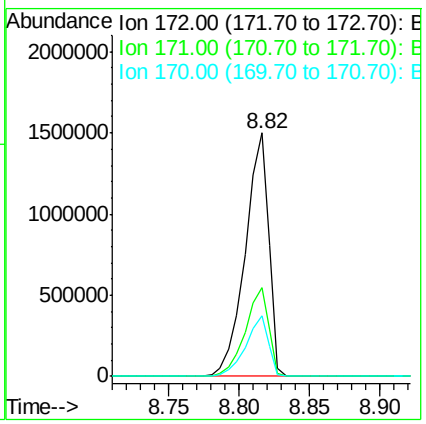


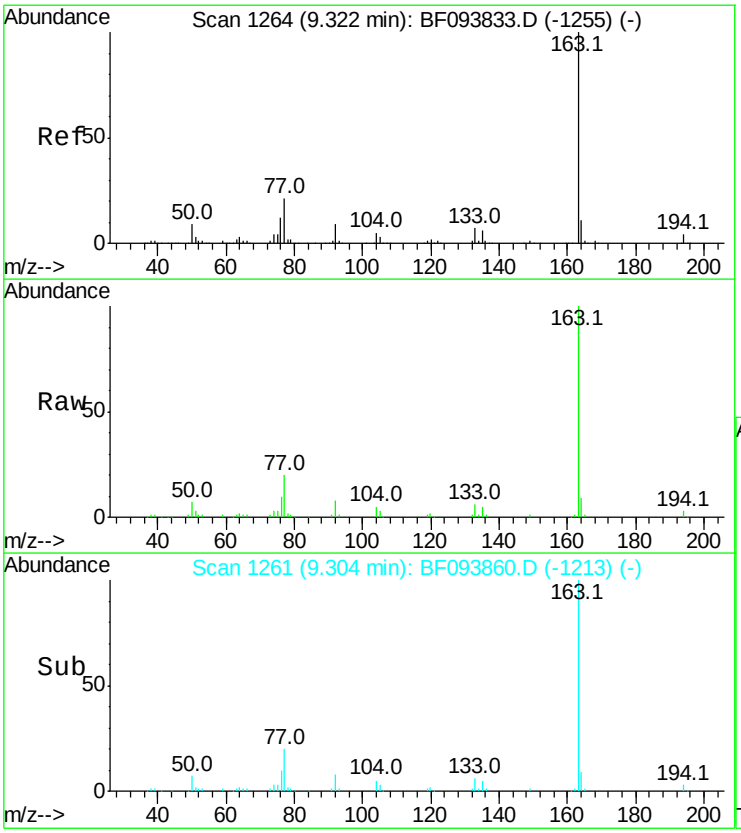
#44
2-Fluorobiphenyl
Concen: 74.24 ng
RT: 8.82 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:172 Resp: 1751762

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.7	19.8	29.8

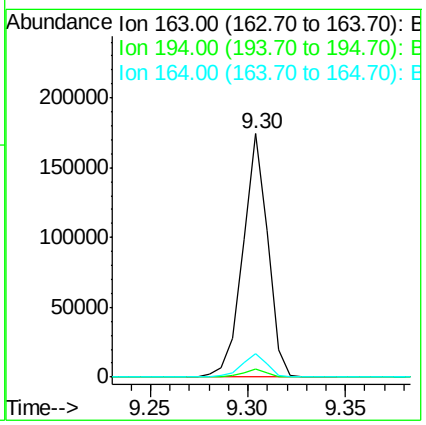


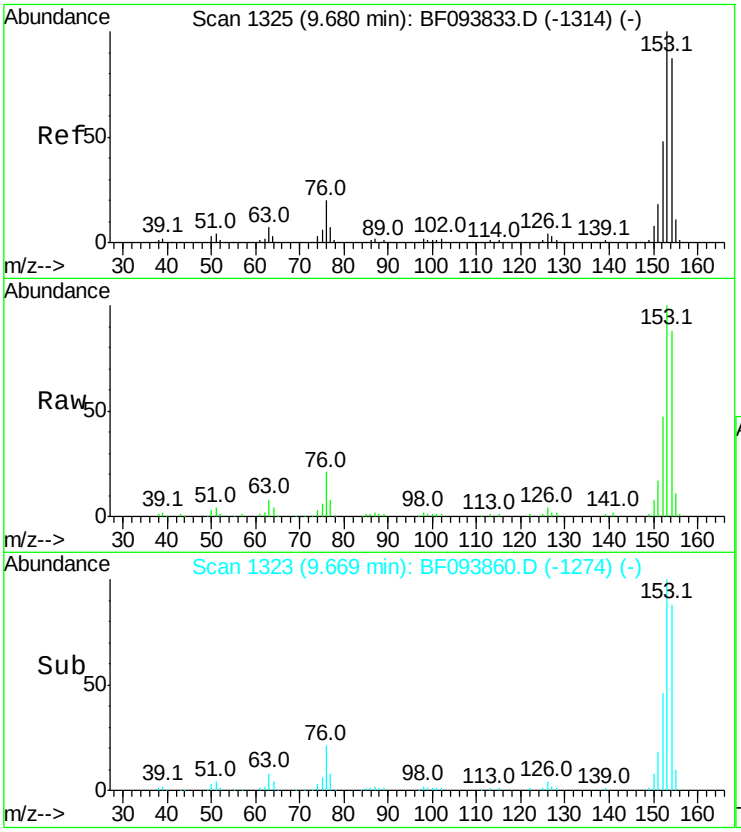


#49
Dimethylphthalate
Concen: 6.00 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:163 Resp: 153530

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.5	8.4	12.6



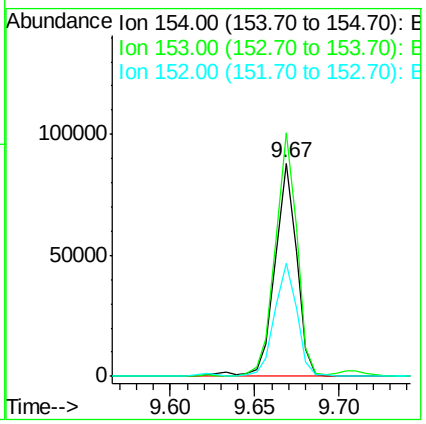


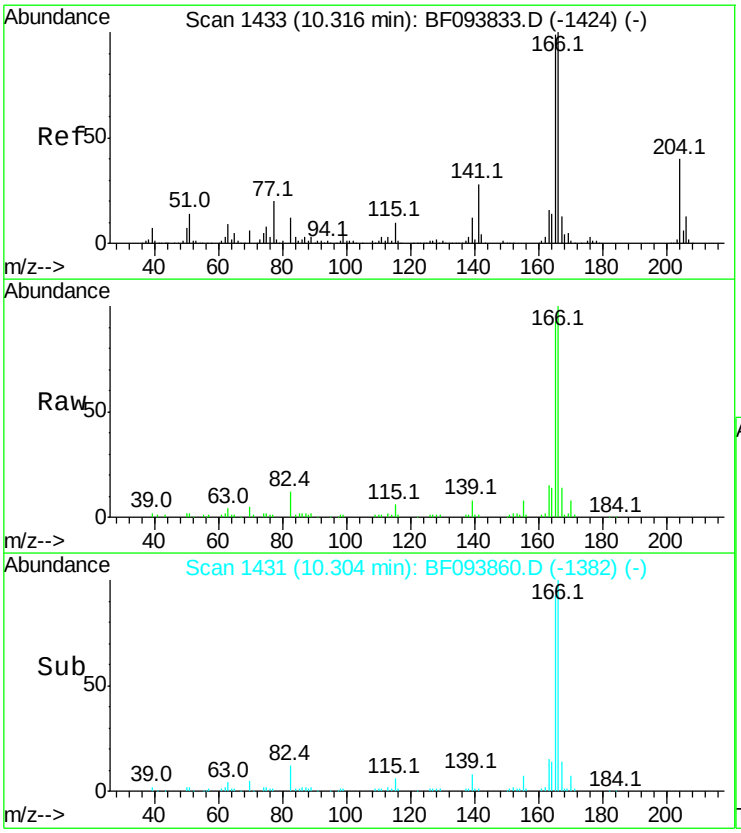
#51
Acenaphthene
Concen: 3.58 ng
RT: 9.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:154 Resp: 78847

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.5	135.7
152	53.1	43.6	65.4

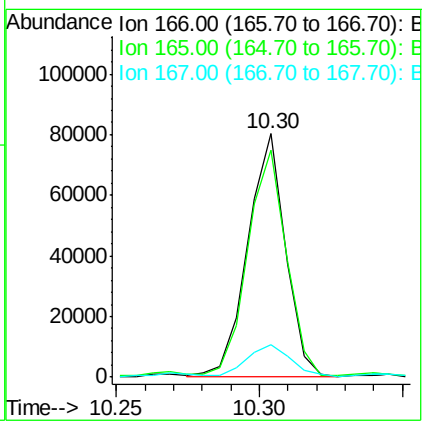


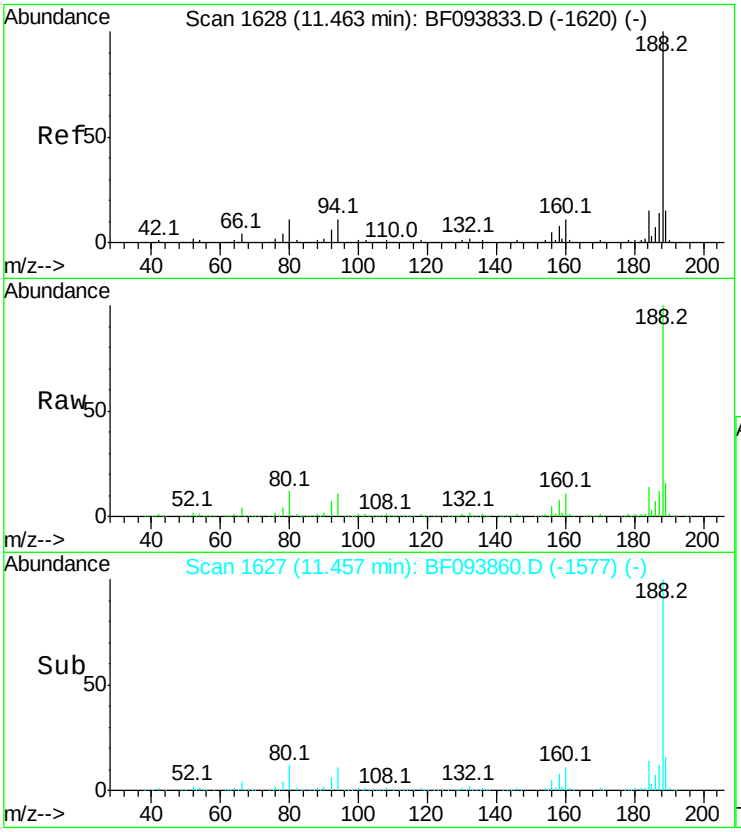


#57
Fluorene
Concen: 2.97 ng m
RT: 10.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:166 Resp: 73877

Ion	Ratio	Lower	Upper
166	100		
165	93.5	78.8	118.2
167	13.5	10.6	16.0



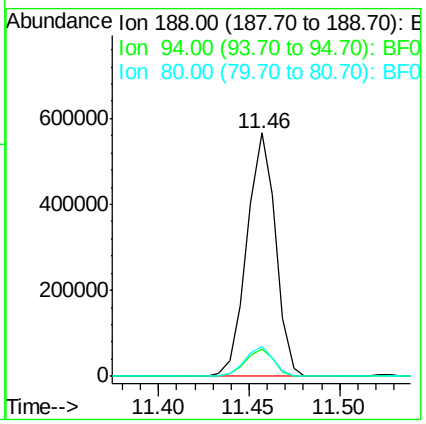


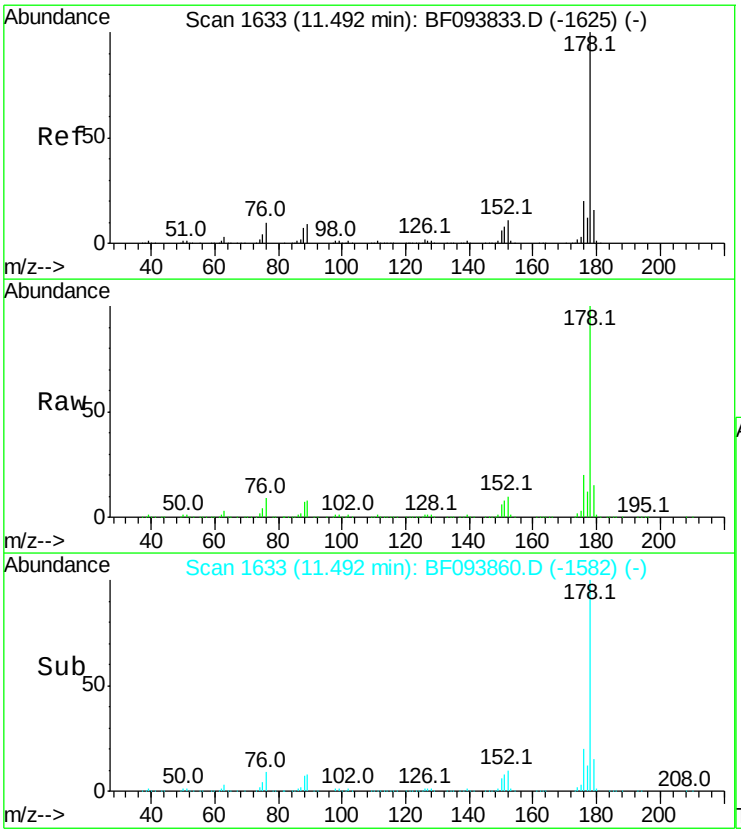
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:188 Resp: 619629

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.4	10.2	15.2

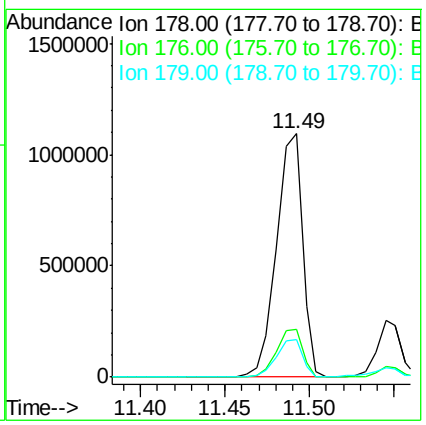


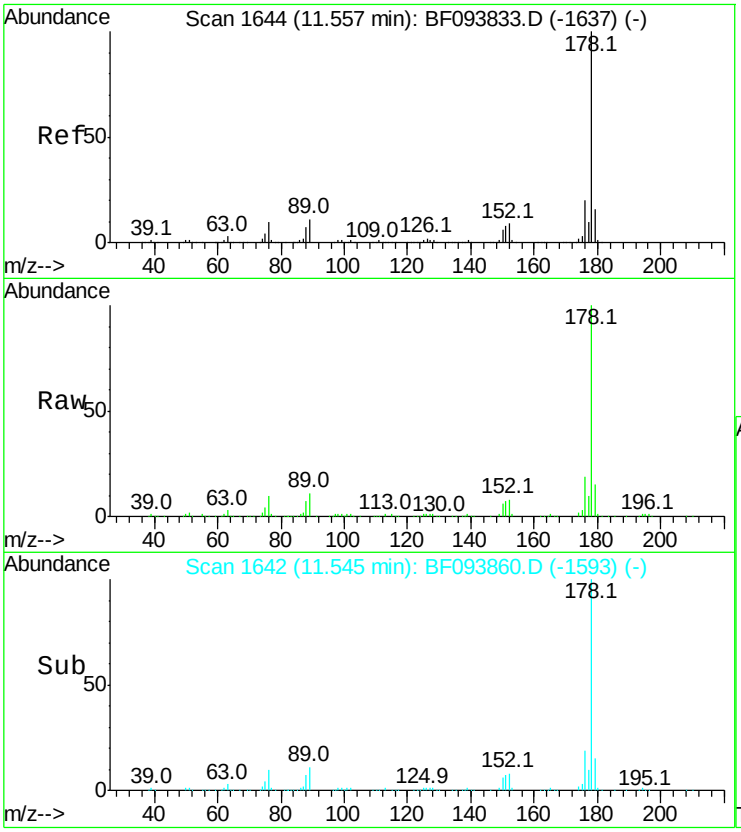


#70
Phenanthrene
Concen: 33.75 ng
RT: 11.49 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:178 Resp: 1163268

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.5	12.6	19.0



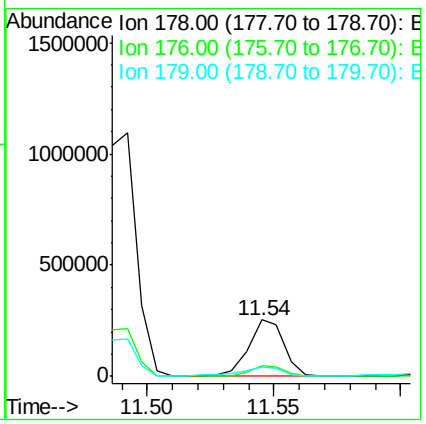


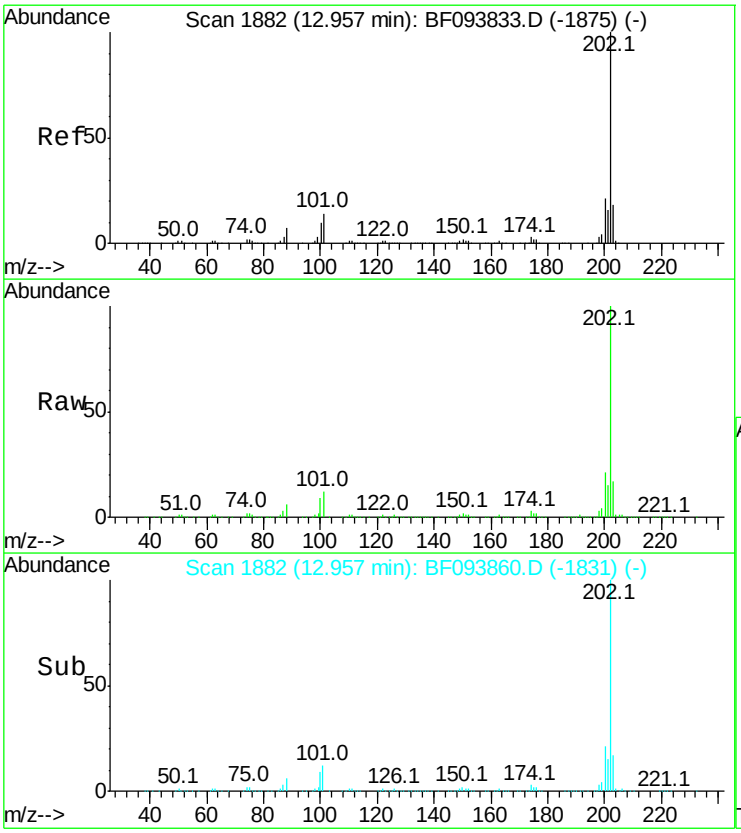
#71
Anthracene
Concen: 6.94 ng
RT: 11.54 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:178 Resp: 246294

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	12.7	19.1

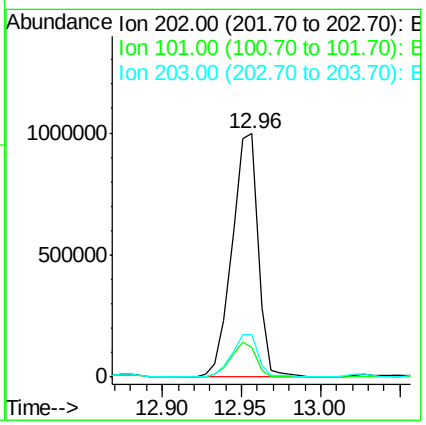


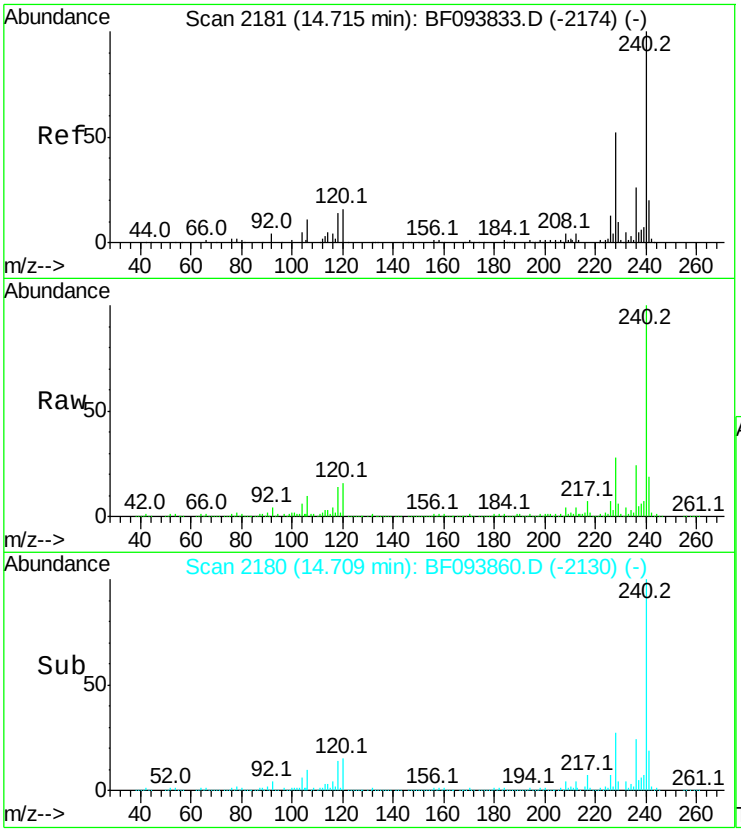


#74
Fluoranthene
Concen: 32.10 ng
RT: 12.96 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:202 Resp: 1133122

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.3	0.0	38.1



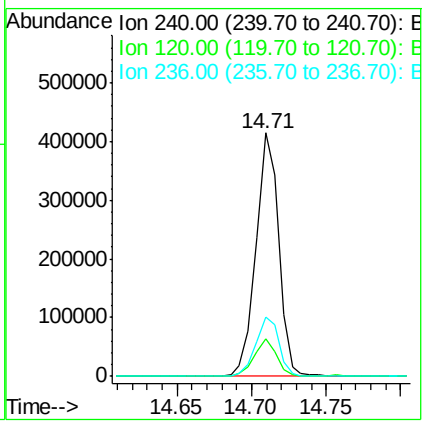


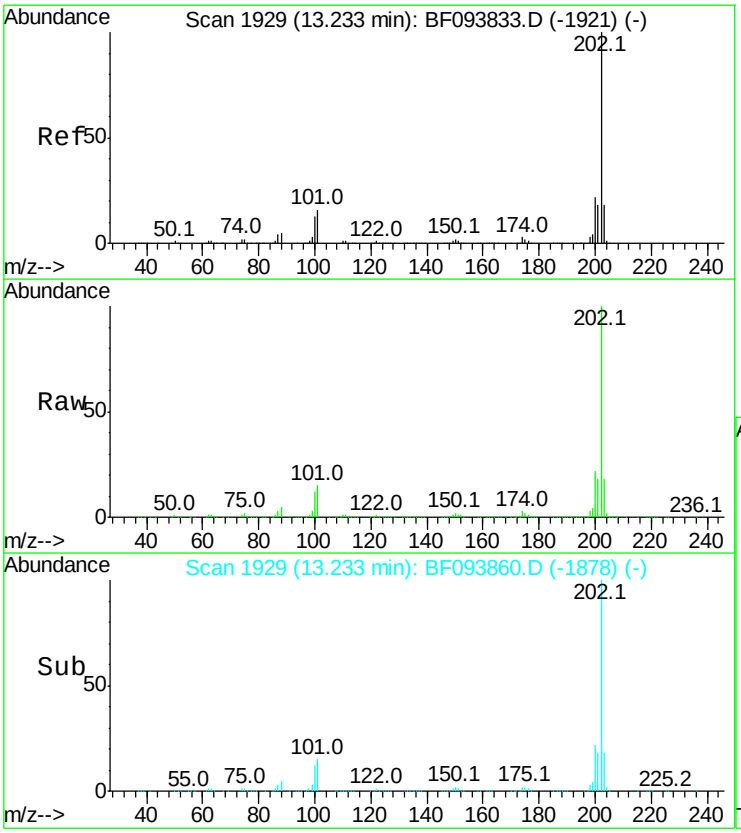
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:240 Resp: 434685

Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	24.3	20.5	30.7

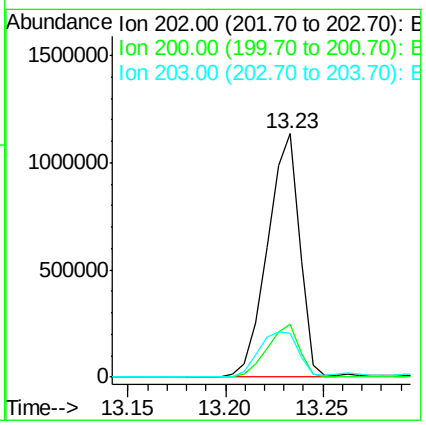


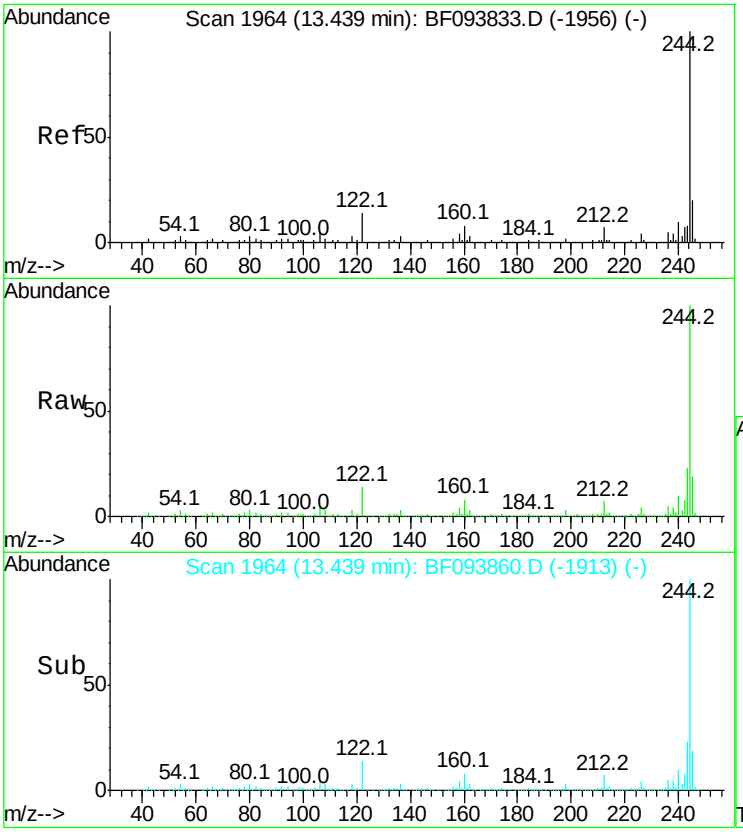


#77
Pyrene
Concen: 40.94 ng
RT: 13.23 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:202 Resp: 1291623

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.0	14.4	21.6



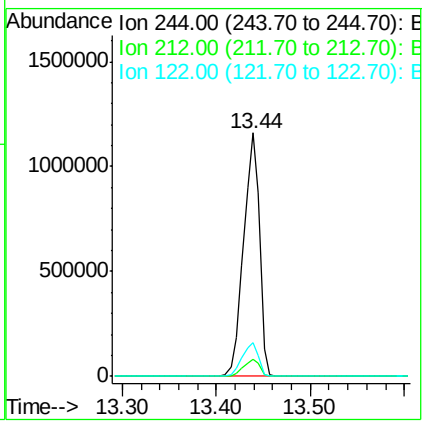


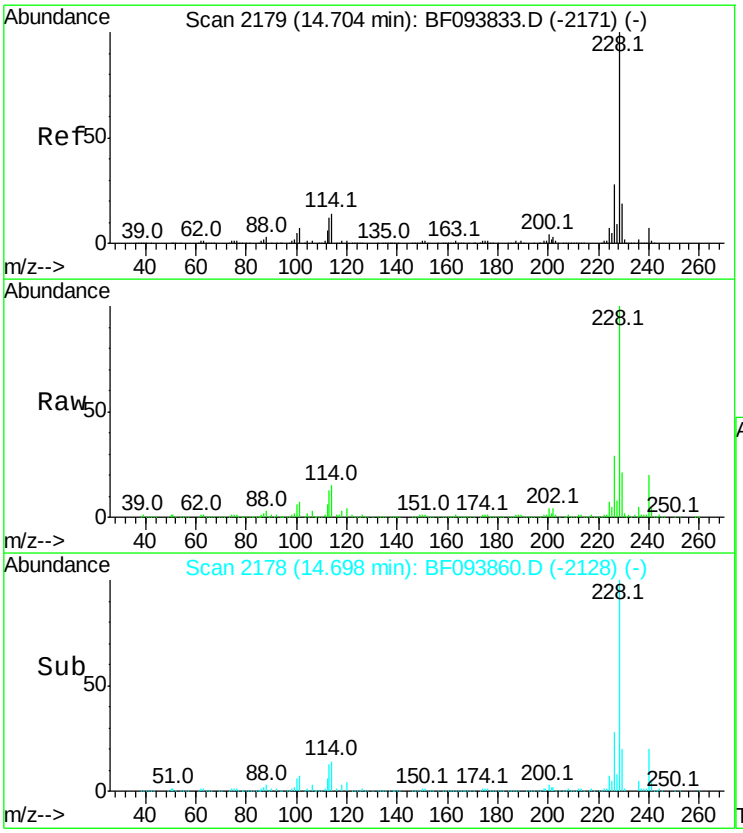
#78
Terphenyl-d14
Concen: 70.12 ng
RT: 13.44 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:244 Resp: 1359903

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.6	10.3	15.5

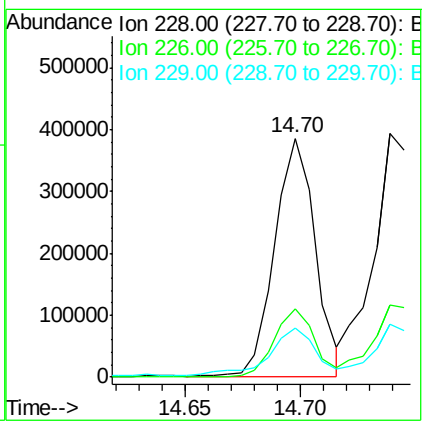


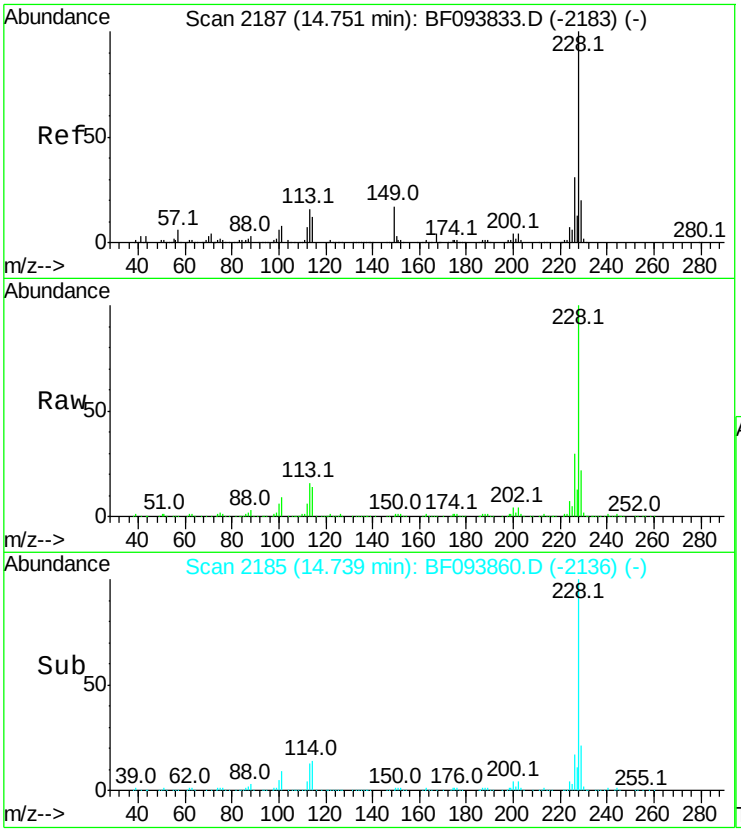


#80
Benzo(a)anthracene
Concen: 18.41 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:228 Resp: 466649

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.6	16.3	24.5



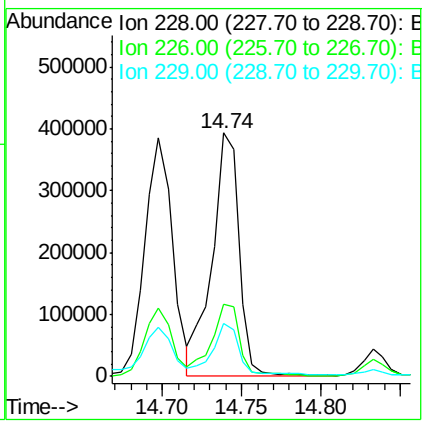


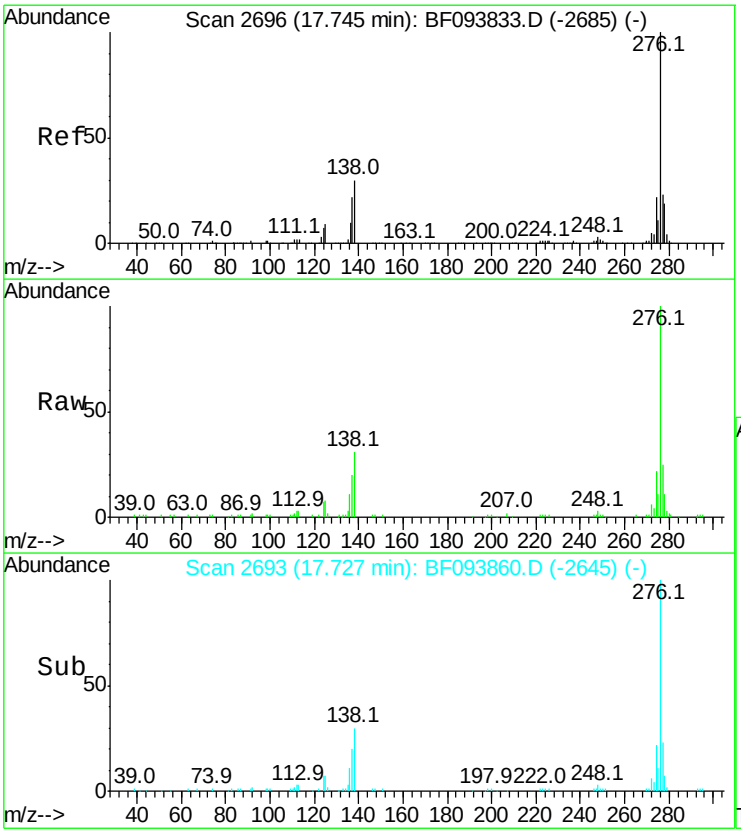
#82
Chrysene
Concen: 19.66 ng
RT: 14.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:228 Resp: 462439

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.6	15.8	23.6

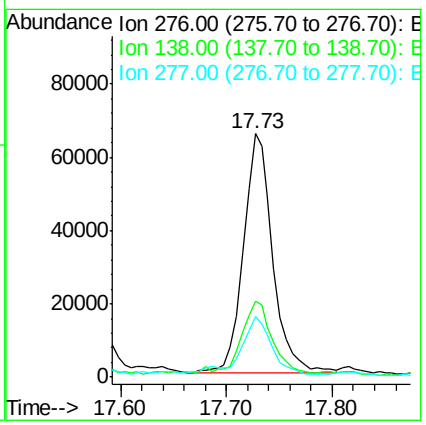


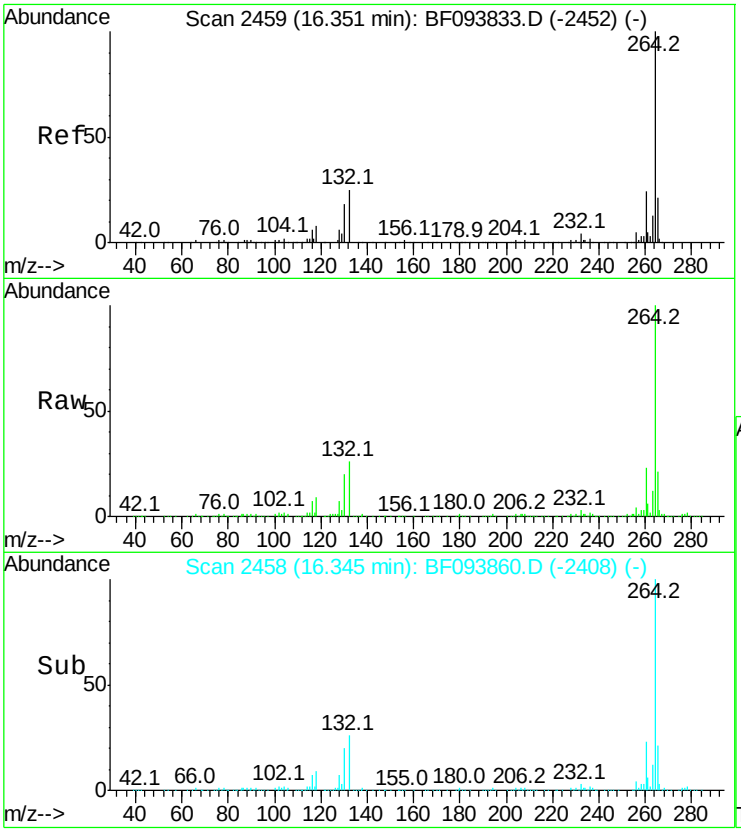


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.17 ng
RT: 17.73 min Scan# 2693
Delta R.T. -0.02 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:276 Resp: 125681

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	23.7	20.2	30.4



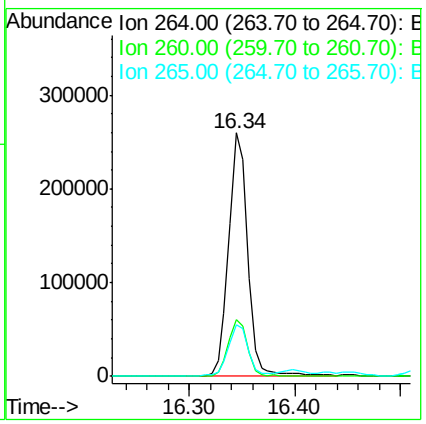


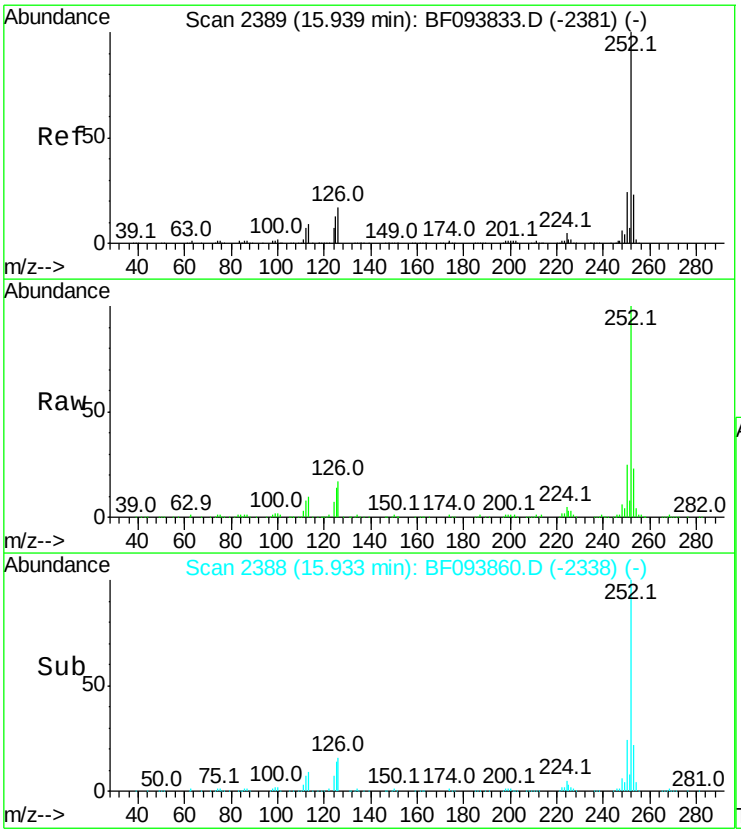
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:264 Resp: 321559

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.4	17.2	25.8

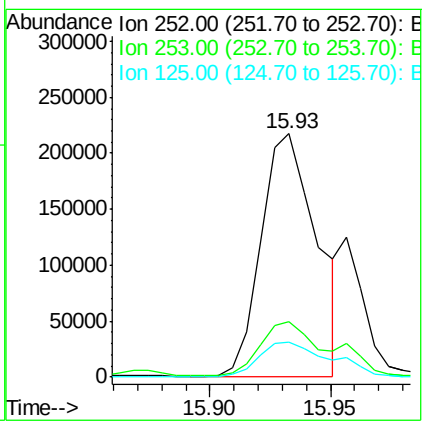


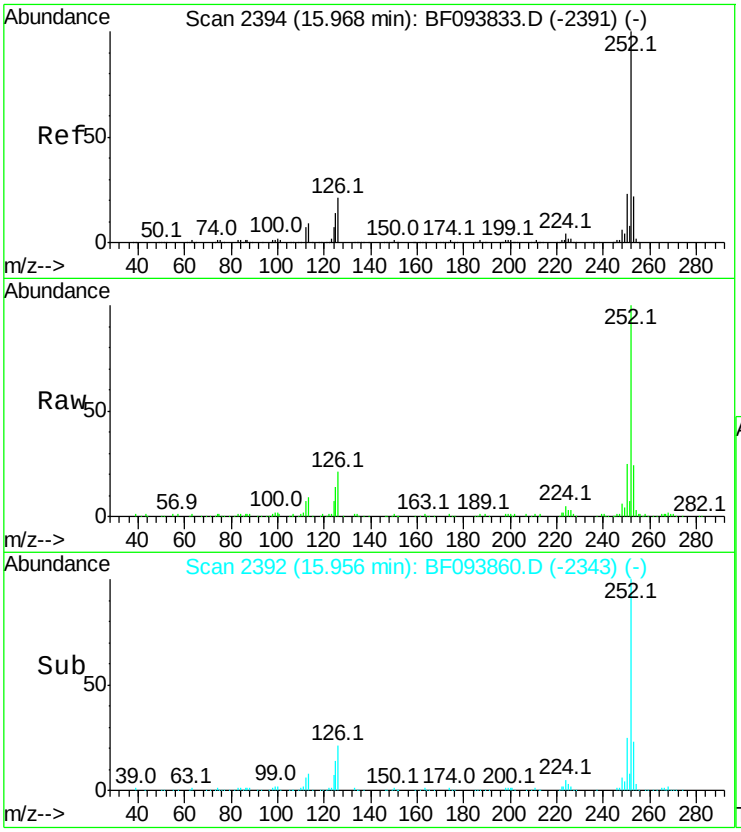


#87
Benzo(b)fluoranthene
Concen: 17.58 ng m
RT: 15.93 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:252 Resp: 346417

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.2	9.8	14.8



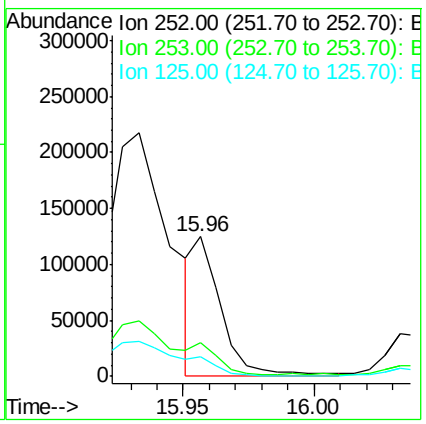


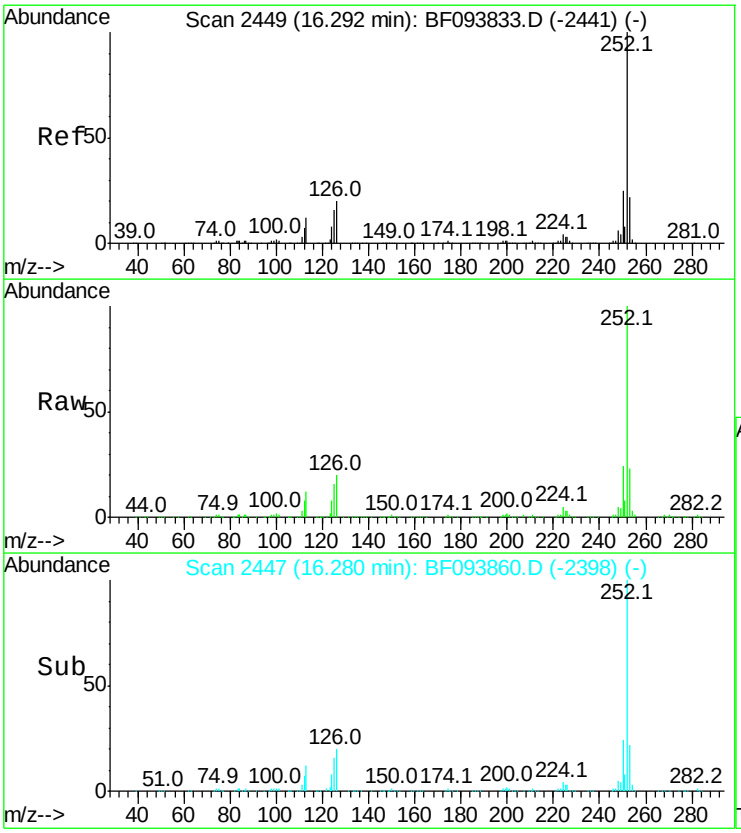
#88
Benzo(k)fluoranthene
Concen: 4.81 ng m
RT: 15.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:252 Resp: 92858

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	13.8	13.1	19.7

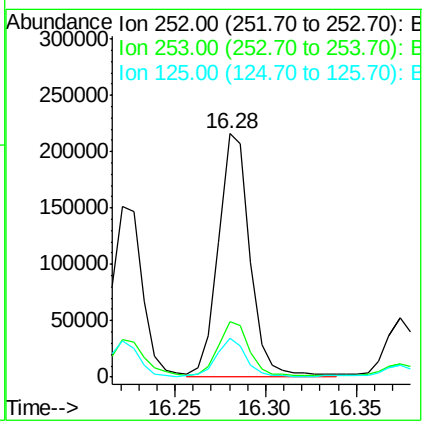


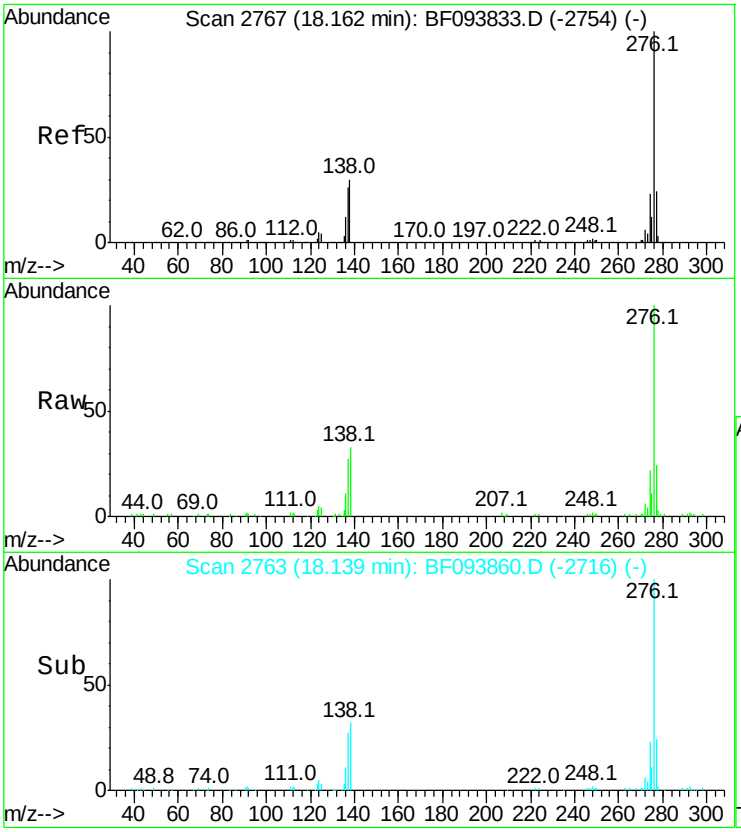


#89
Benzo(a)pyrene
Concen: 14.38 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Tgt Ion:252 Resp: 261101

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.1	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 8.61 ng
RT: 18.14 min Scan# 2763
Delta R.T. -0.02 min
Lab File: BF093860.D
Acq: 23 Mar 2017 4:30

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tgt Ion:276 Resp: 133453

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	32.6	25.4	38.0