Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093793.D
Acq On : 21 Mar 2017 12:57
Operator : SJ/MA
Sample : I2280-03DL 250X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTMIX-2DL

Quant Time: Mar 21 14:43:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	195468	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	791734	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	376772	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	651055	20.00	ng		0.00
75) Chrysene-d12	13.97	240	487046	20.00	ng		0.00
86) Perylene-d12	15.37	264	333476	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	5862	0.52	ng		-0.01
7) Phenol-d6	6.45	99	7342	0.53	ng		-0.01
23) Nitrobenzene-d5	7.37	82	4054	0.29	ng		-0.02
41) 2,4,6-Tribromophenol	10.64	330	959	0.33	ng		-0.01
44) 2-Fluorobiphenyl	9.19	172	8544	0.38	ng		0.00
78) Terphenyl-d14	12.92	244	8959	0.38	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.14	128	1416321	38.54	ng		99
37) 2-Methylnaphthalene	8.82	142	159361	6.64	ng		97
48) Acenaphthylene	9.72	152	141755	3.71	ng		98
54) Dibenzofuran	10.06	168	141523	4.61	ng		96
57) Fluorene	10.40	166	161221	6.85	ng		99
70) Phenanthrene	11.36	178	639504	18.44	ng		99
71) Anthracene	11.41	178	178432	5.00	ng		98
72) Carbazole	11.57	167	72409	2.05	ng	#	95
74) Fluoranthene	12.54	202	404301	11.34	ng		94
77) Pyrene	12.77	202	332851	8.21	ng		99
80) Benzo(a)anthracene	13.96	228	120695m	3.96	ng		
82) Chrysene	13.99	228	92623m	3.04	ng		
87) Benzo(b)fluoranthene	14.97	252	82451m	3.67	ng		
89) Benzo(a)pyrene	15.31	252	65734	3.61	ng		96
91) Benzo(g,h,i)perylene	17.12	276	31923	2.12	ng		95

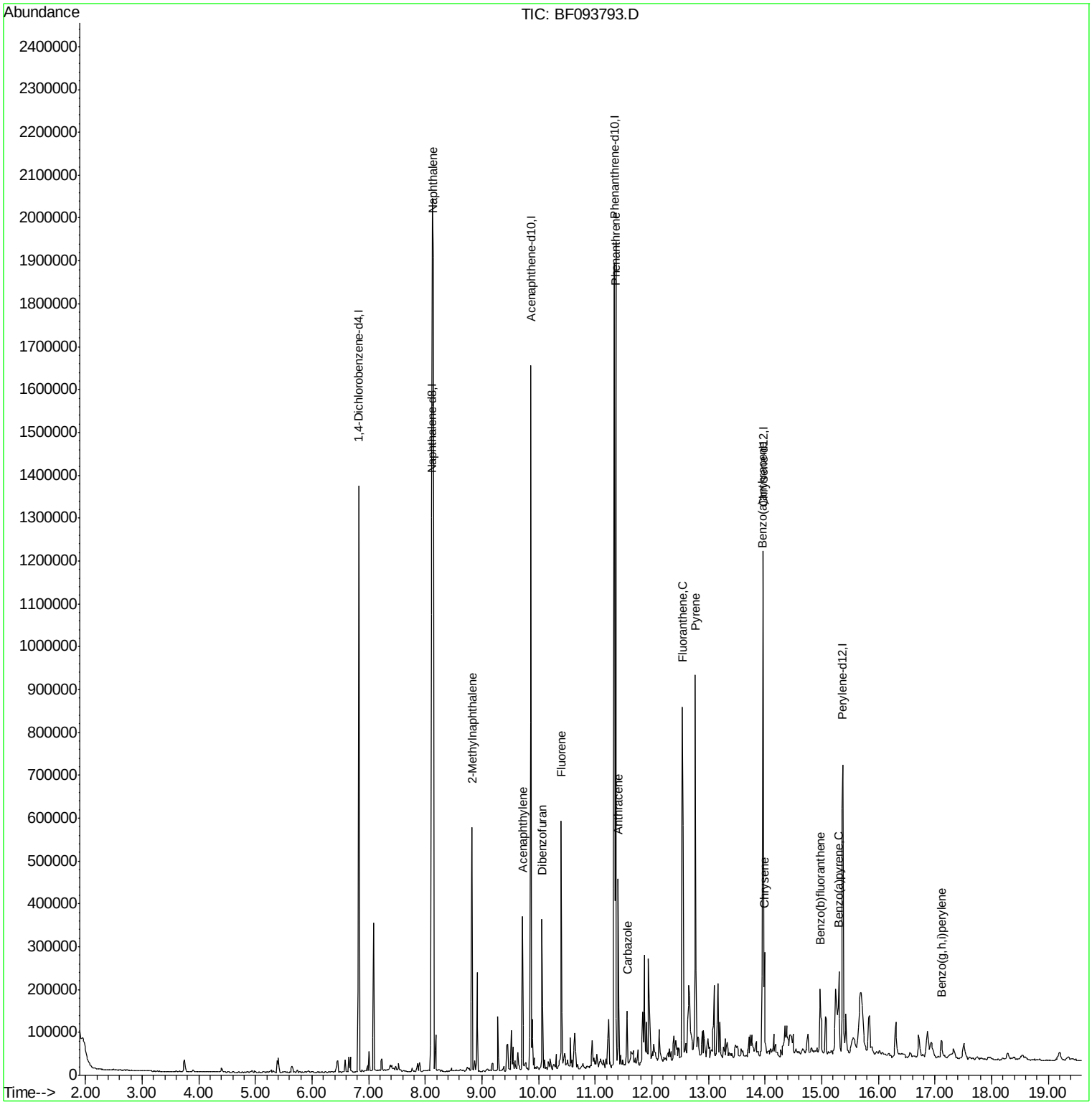
(#) = qualifier out of range (m) = manual integration (+) = signals summed

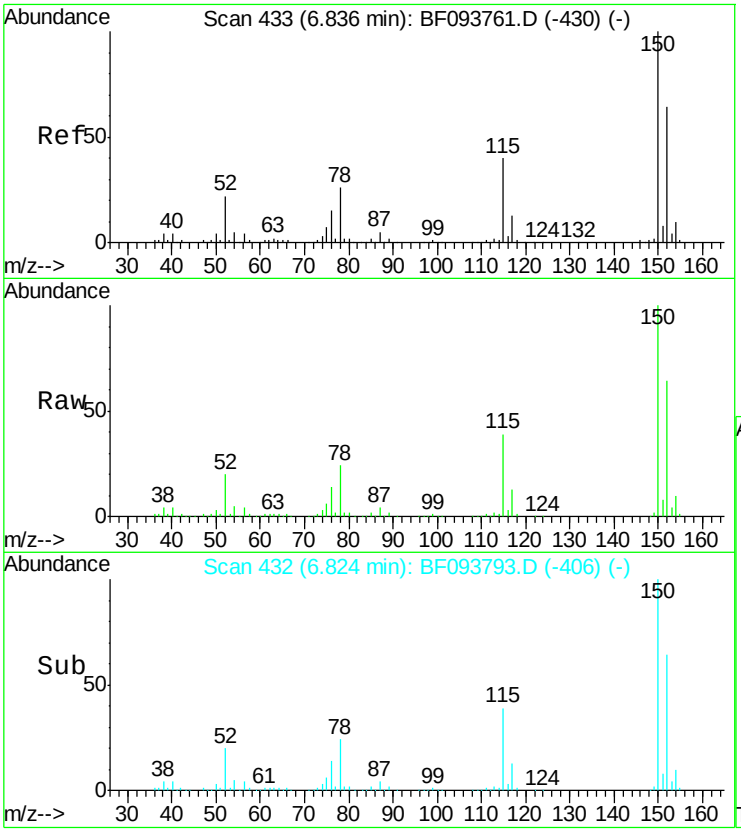
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093793.D
Acq On : 21 Mar 2017 12:57
Operator : SJ/MA
Sample : I2280-03DL 250X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Quant Time: Mar 21 14:43:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration



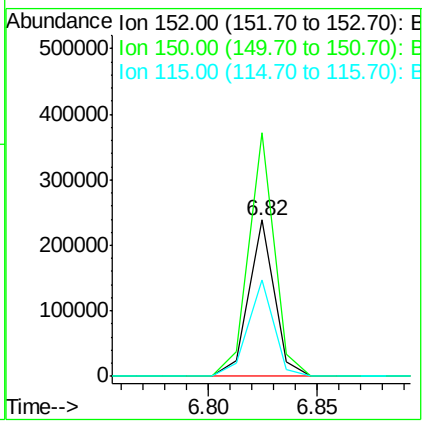


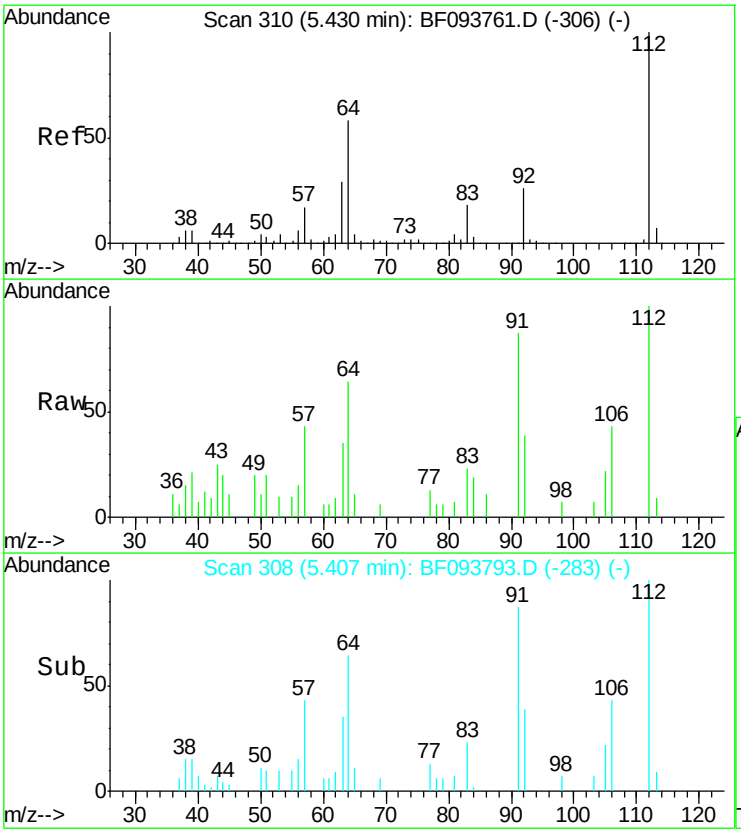
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:152 Resp: 195468

Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	61.2	52.2	78.2

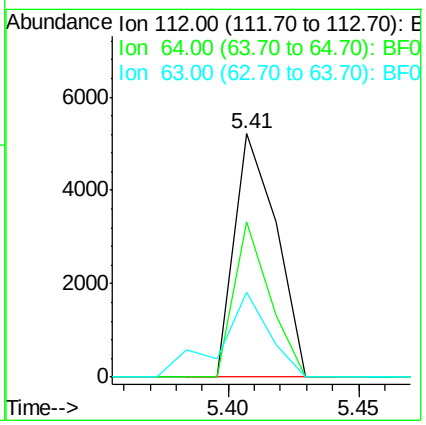


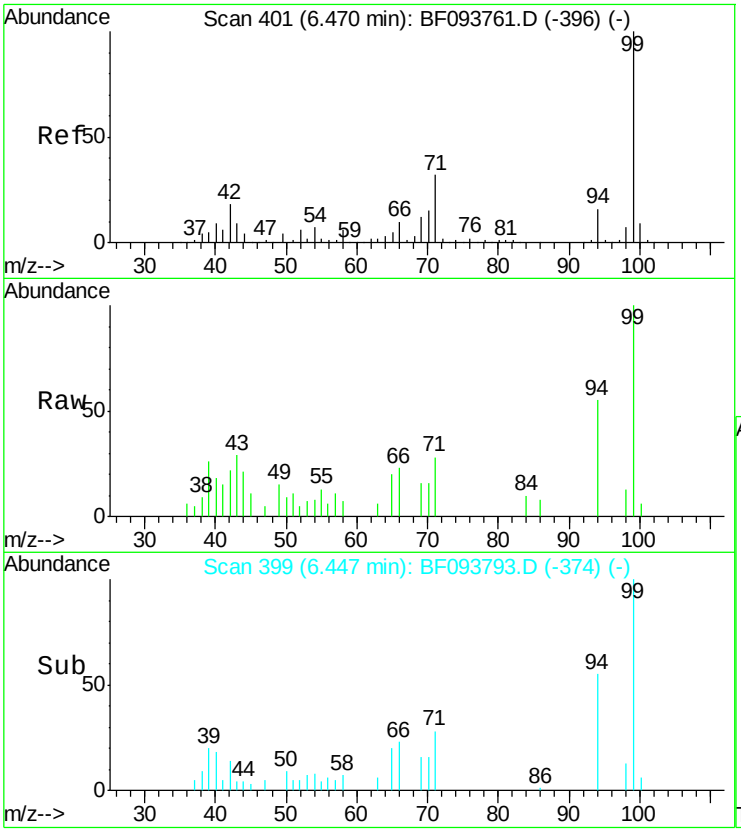


#5
2-Fluorophenol
Concen: 0.52 ng
RT: 5.41 min Scan# 308
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:112 Resp: 5862

Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.0	69.0
63	34.7	23.4	35.0



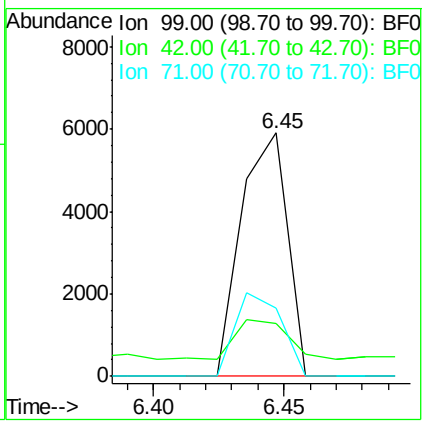


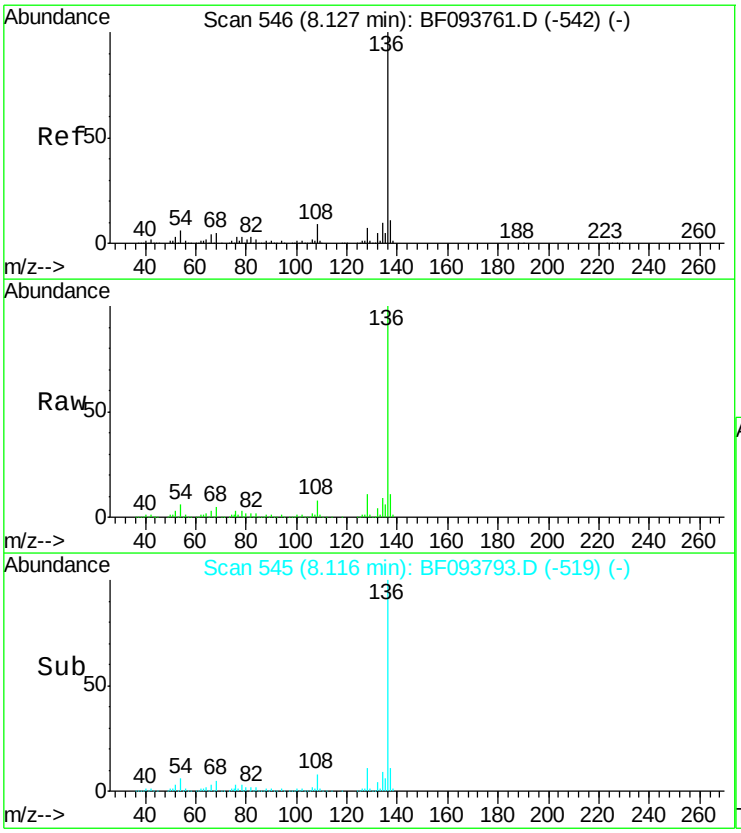
#7
Phenol-d6
Concen: 0.53 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion: 99 Resp: 7342

Ion	Ratio	Lower	Upper
99	100		
42	21.6	13.5	20.3#
71	28.0	24.5	36.7

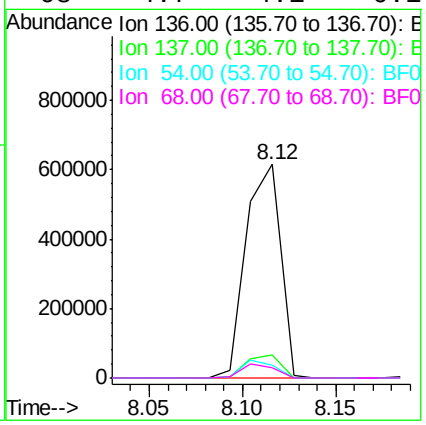


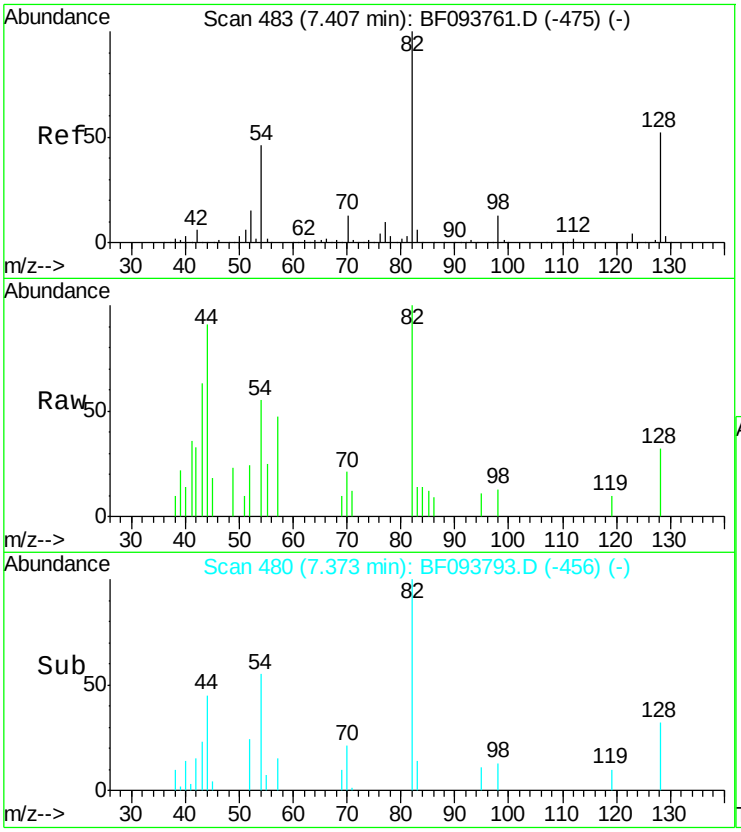


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:136 Resp: 791734

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	5.7	4.9	7.3
68	4.7	4.1	6.1



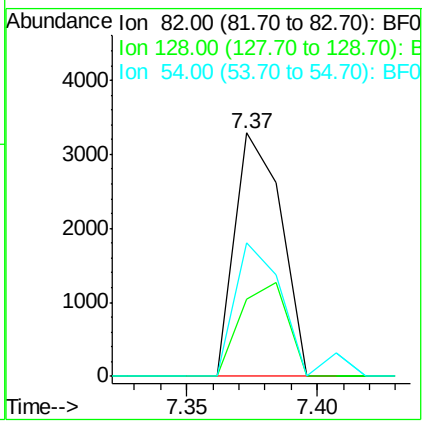


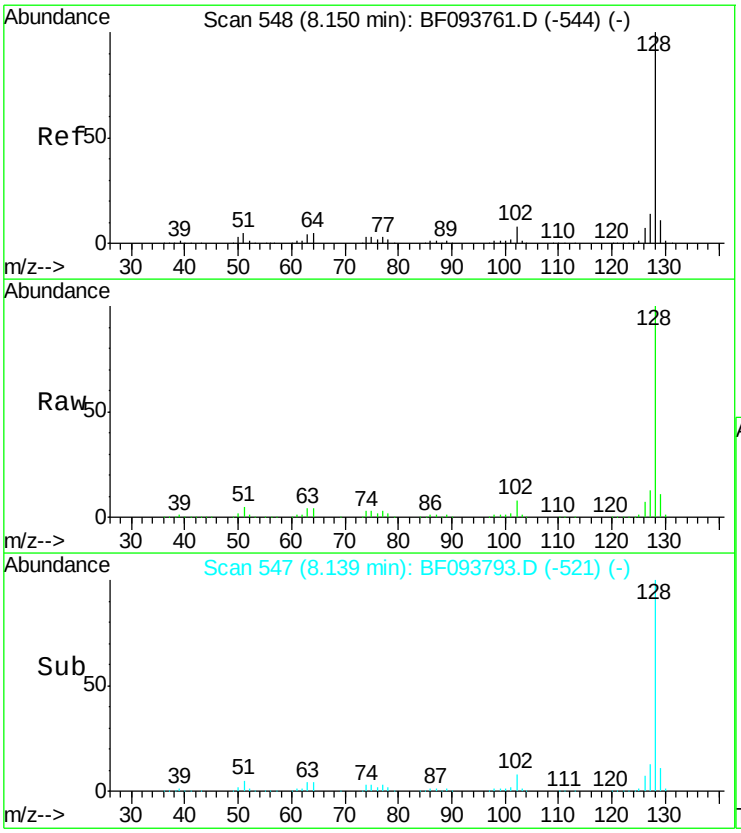
#23
Nitrobenzene-d5
Concen: 0.29 ng
RT: 7.37 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion: 82 Resp: 4054

Ion	Ratio	Lower	Upper
82	100		
128	31.5	34.0	51.0#
54	54.6	42.2	63.2

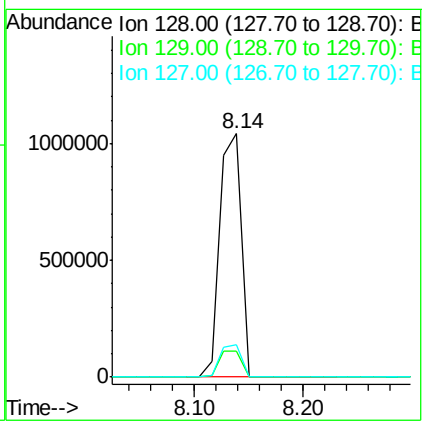


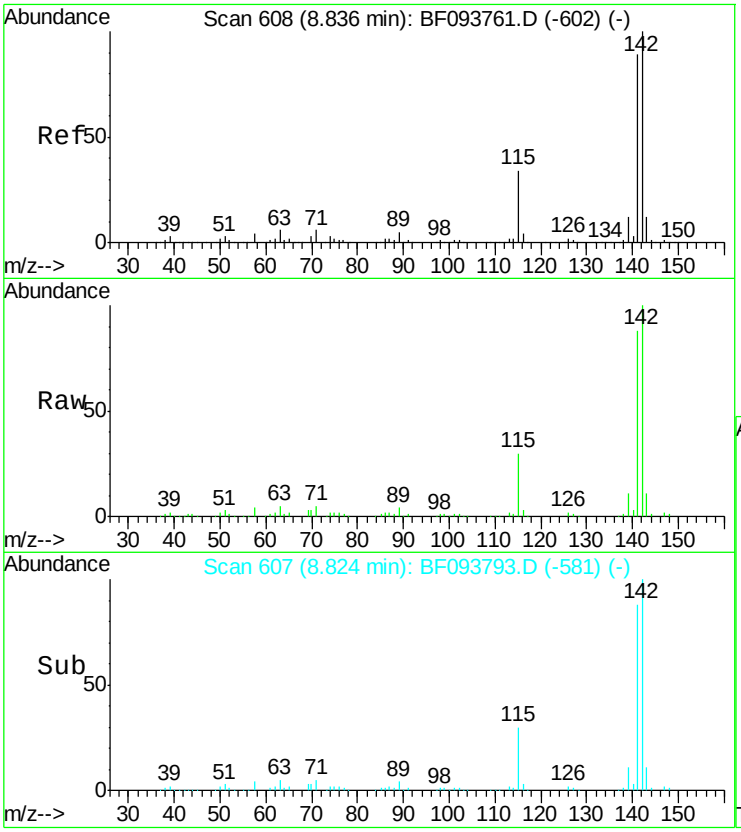


#31
Naphthalene
Concen: 38.54 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:128 Resp: 1416321

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.3	10.8	16.2



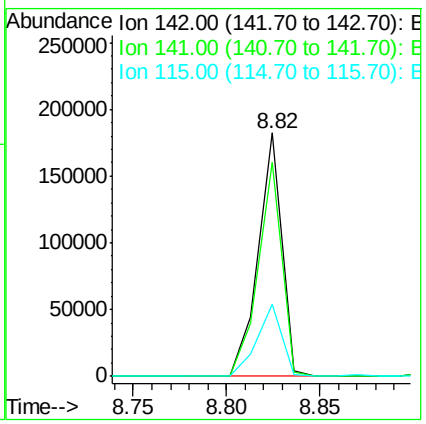


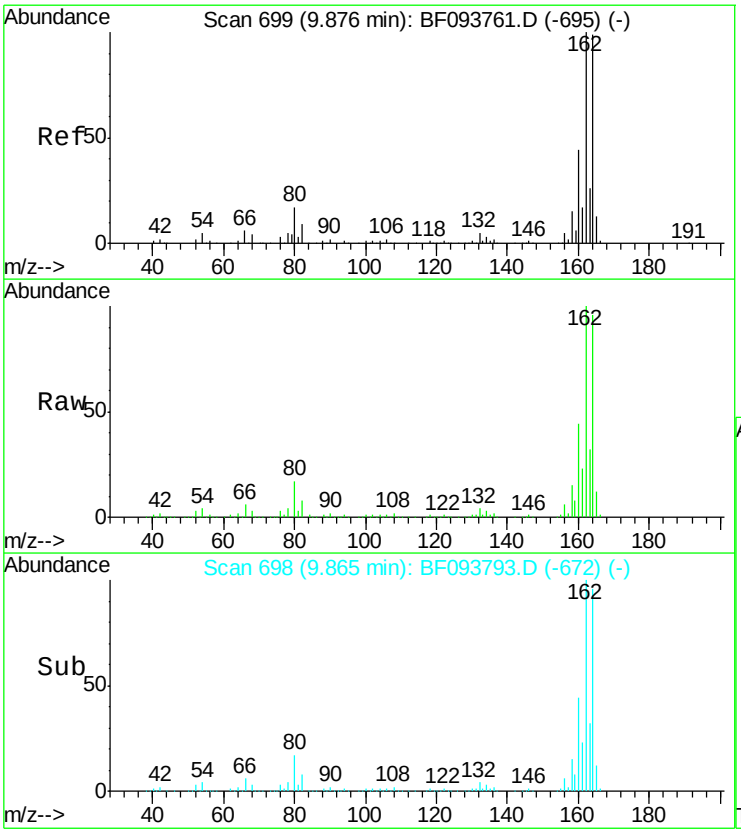
#37
2-Methylnaphthalene
Concen: 6.64 ng
RT: 8.82 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:142 Resp: 159361

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9
115	29.7	27.1	40.7

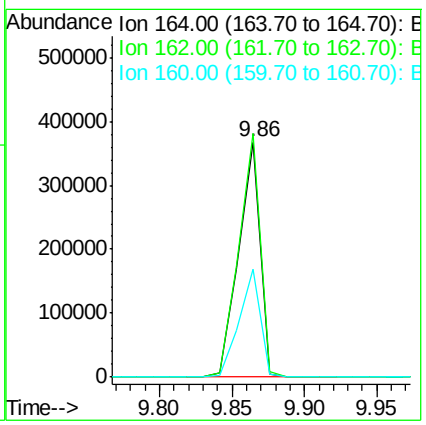


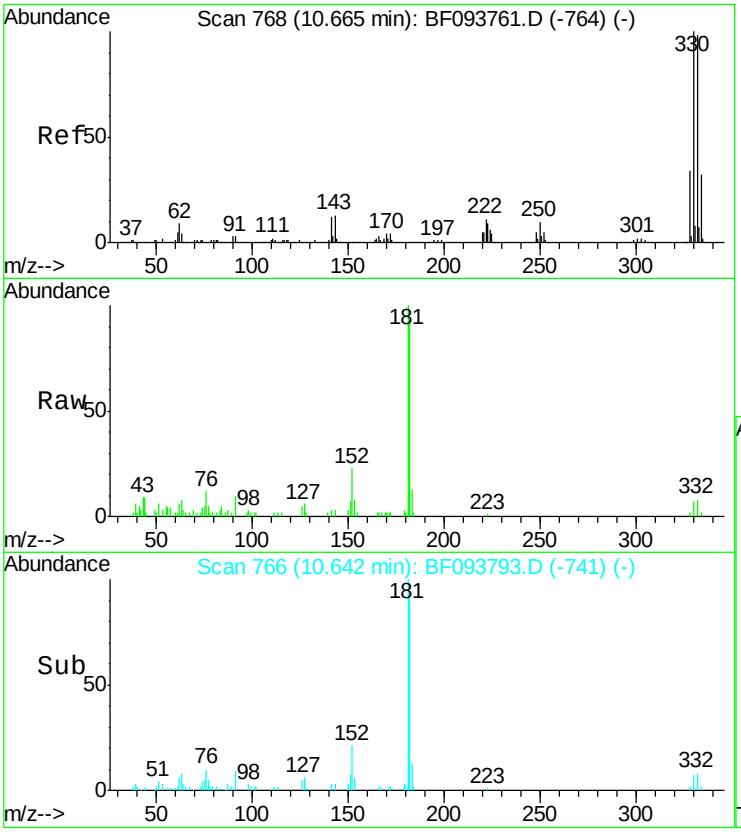


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:164 Resp: 376772

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	46.0	36.2	54.2



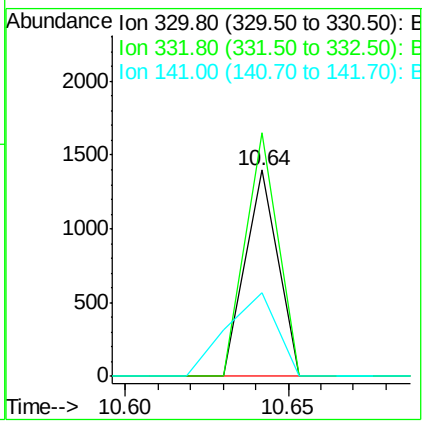


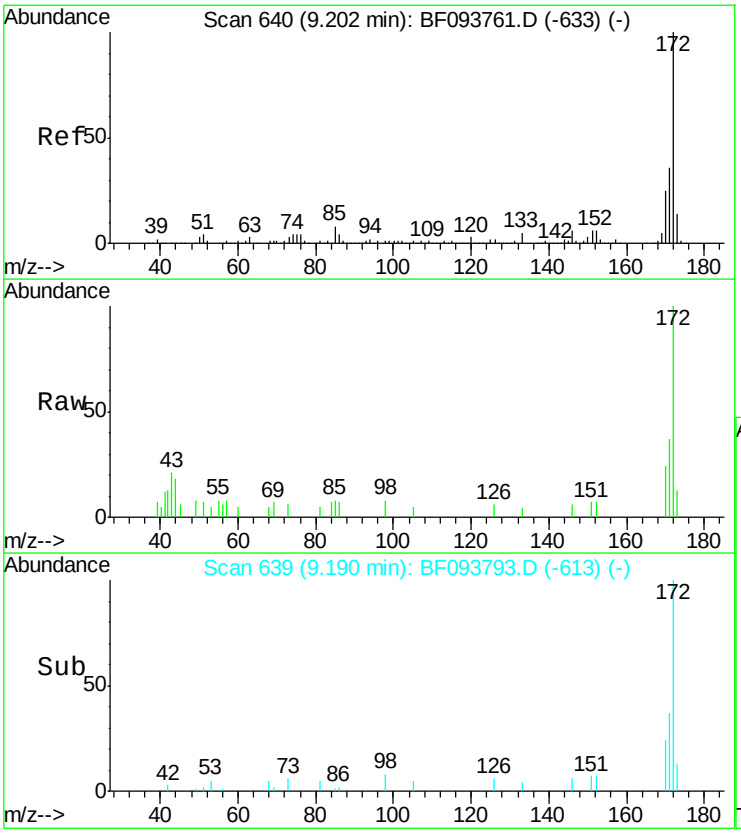
#41
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:330 Resp: 959

Ion	Ratio	Lower	Upper
330	100		
332	118.0	76.6	115.0#
141	63.2	31.4	47.2#

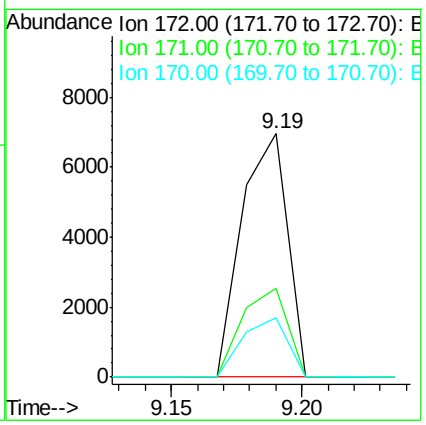


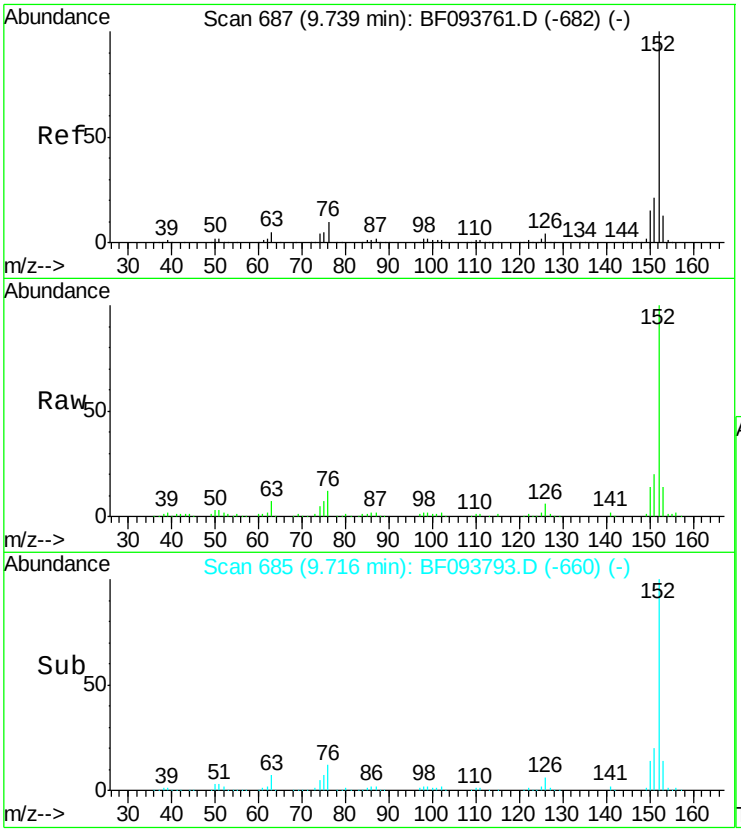


#44
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:172 Resp: 8544

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.4	19.8	29.8



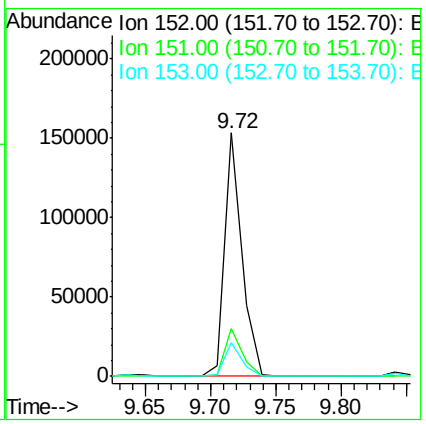


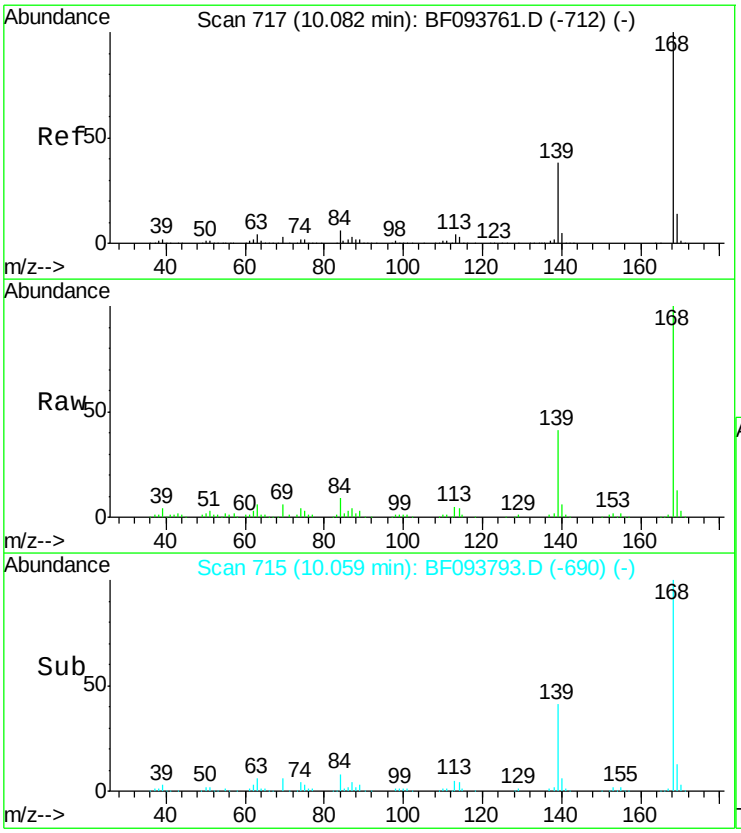
#48
Acenaphthylene
Concen: 3.71 ng
RT: 9.72 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:152 Resp: 141755

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	13.8	10.8	16.2

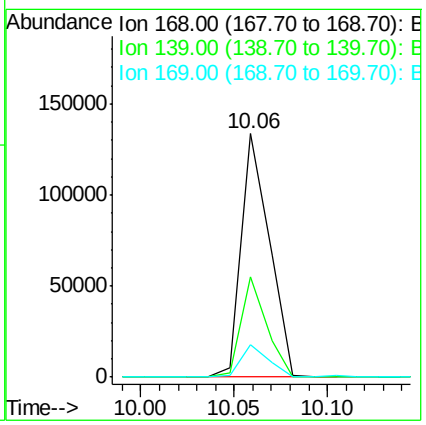


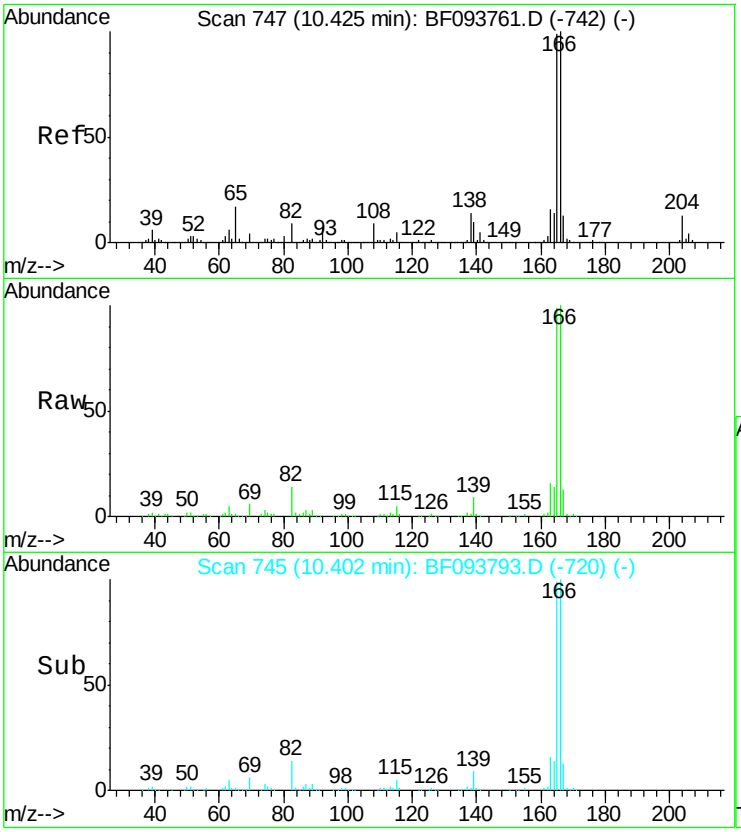


#54
Dibenzofuran
Concen: 4.61 ng
RT: 10.06 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:168 Resp: 141523

Ion	Ratio	Lower	Upper
168	100		
139	41.4	30.6	45.8
169	13.4	10.8	16.2



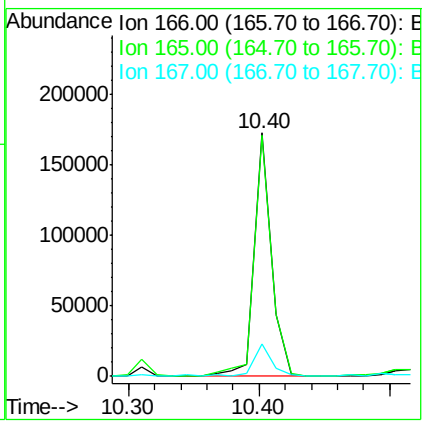


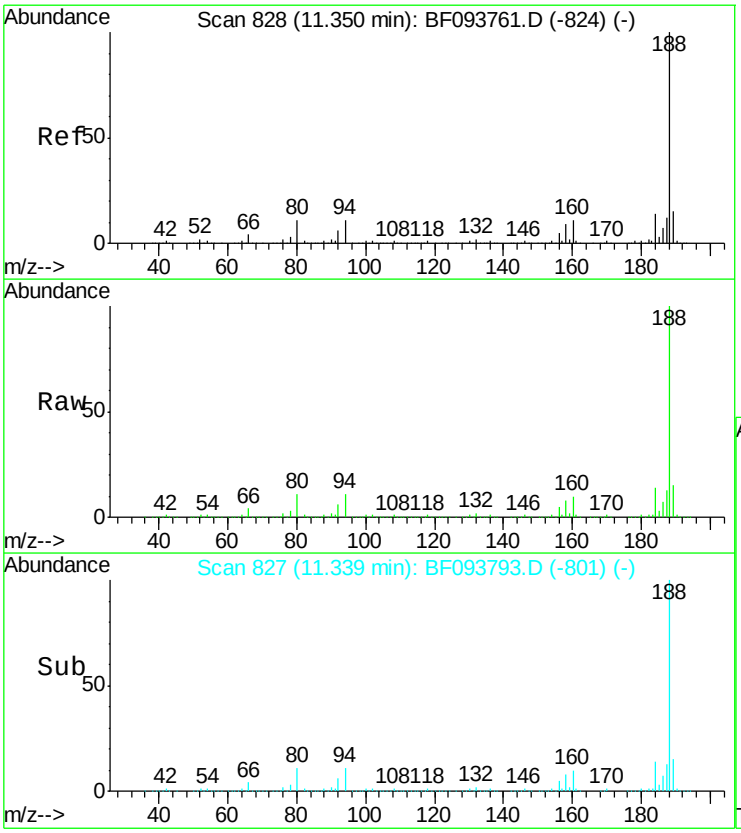
#57
Fluorene
Concen: 6.85 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:166 Resp: 161221

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	13.3	10.6	16.0

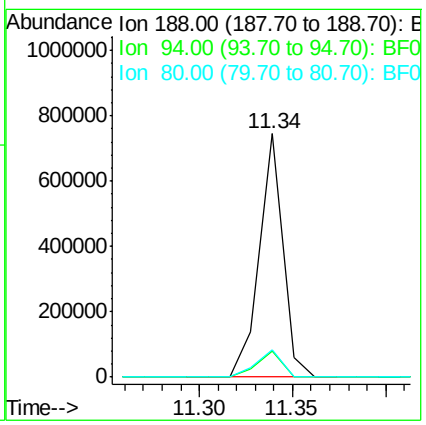


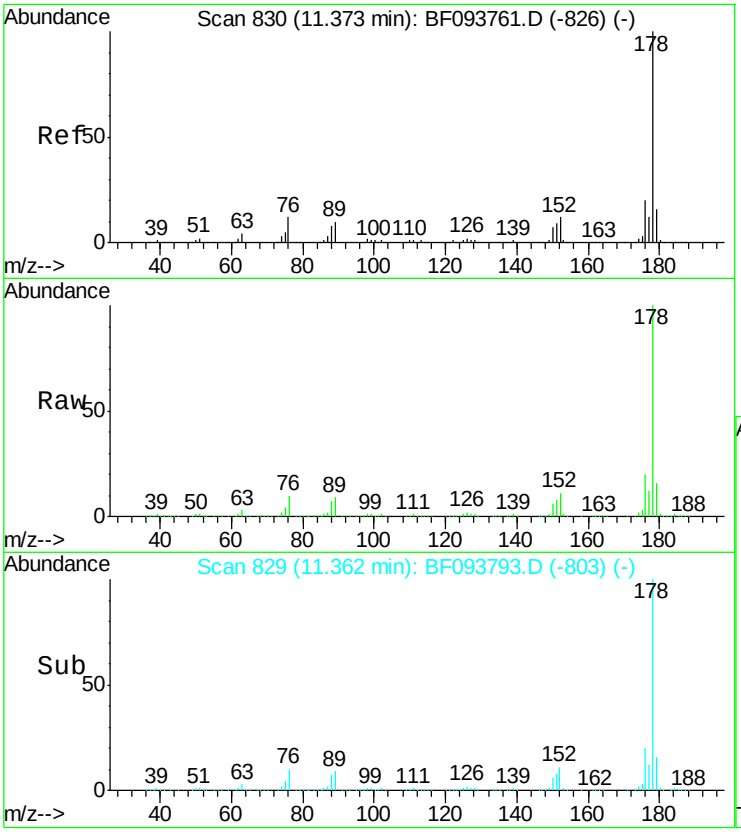


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:188 Resp: 651055

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.1	10.2	15.2



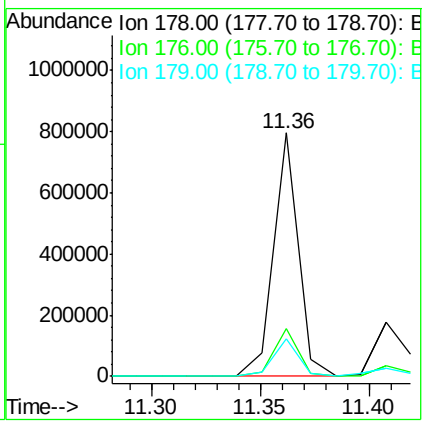


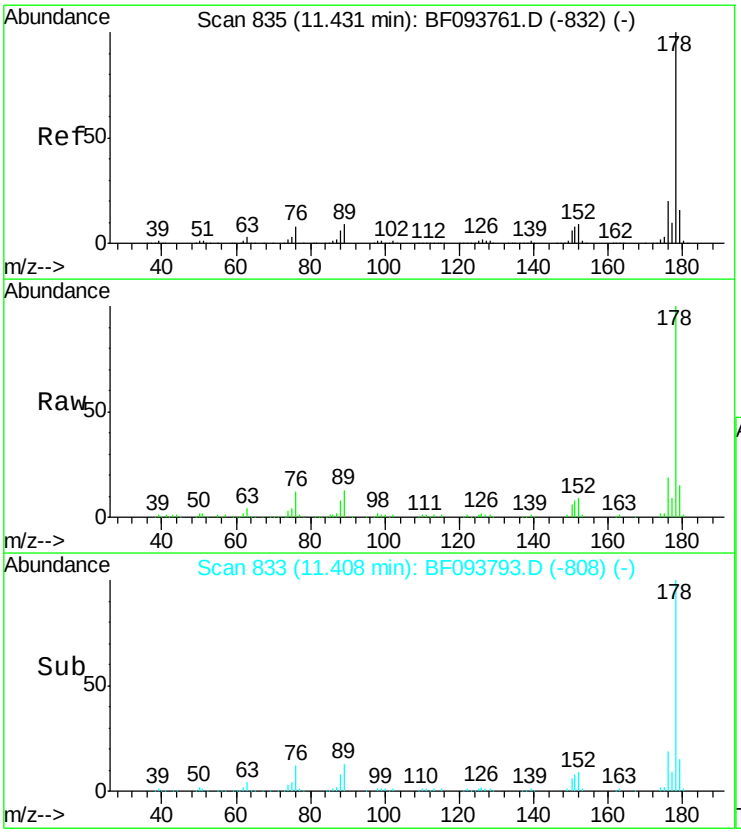
#70
Phenanthrene
Concen: 18.44 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:178 Resp: 639504

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.6	12.6	19.0

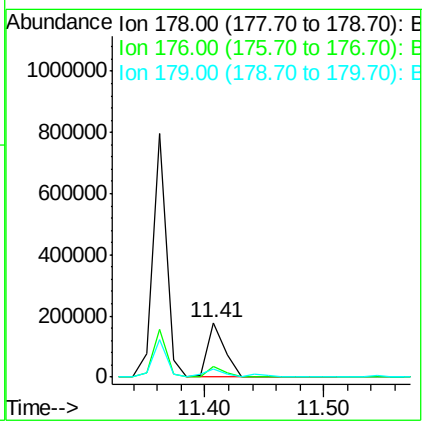


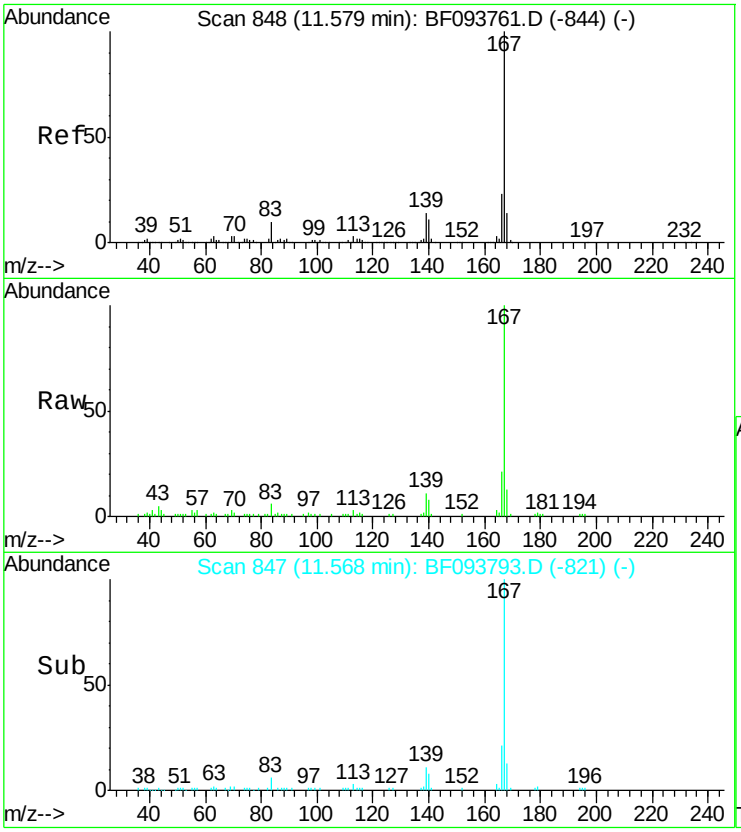


#71
Anthracene
Concen: 5.00 ng
RT: 11.41 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:178 Resp: 178432

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.0	12.7	19.1



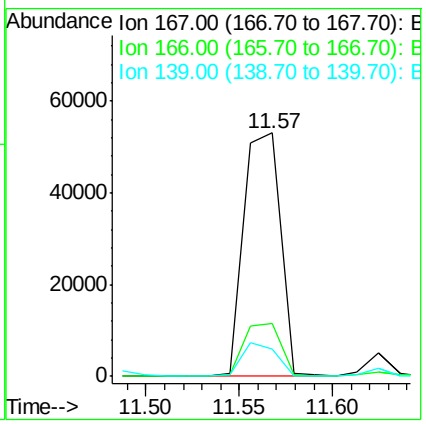


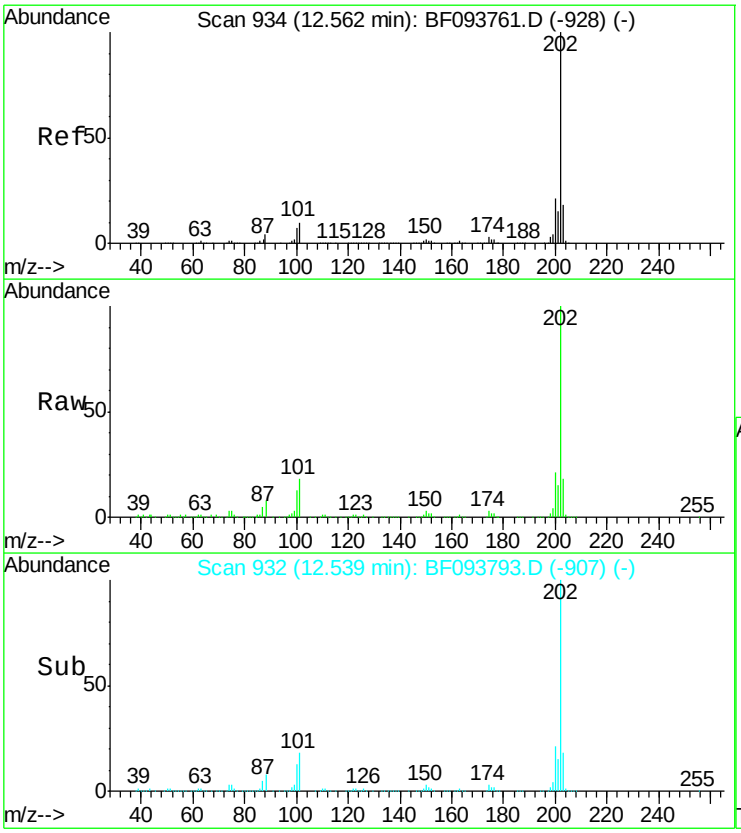
#72
Carbazole
Concen: 2.05 ng
RT: 11.57 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:167 Resp: 72409

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.1	27.1
139	11.1	11.7	17.5#

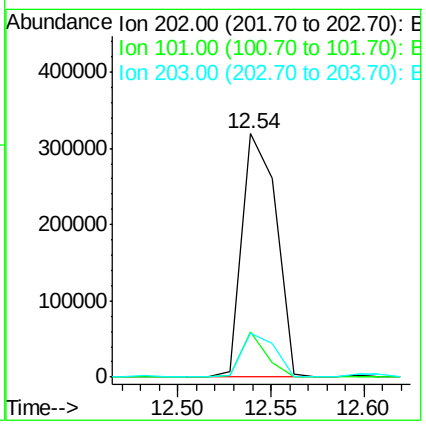


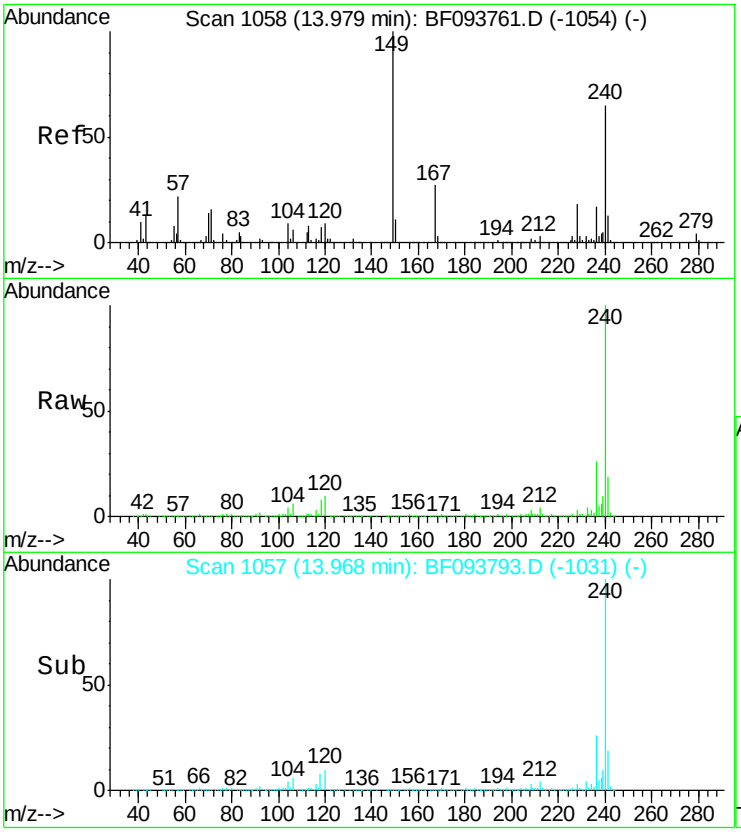


#74
Fluoranthene
Concen: 11.34 ng
RT: 12.54 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:202 Resp: 404301

Ion	Ratio	Lower	Upper
202	100		
101	18.4	0.0	33.2
203	18.0	0.0	38.1



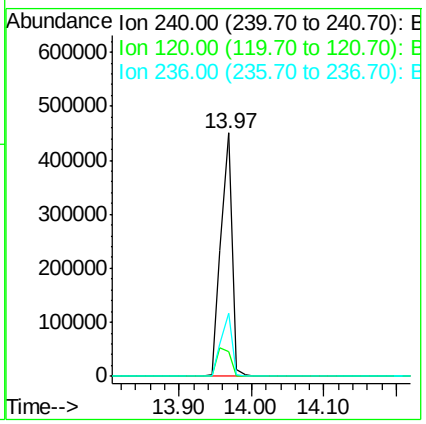


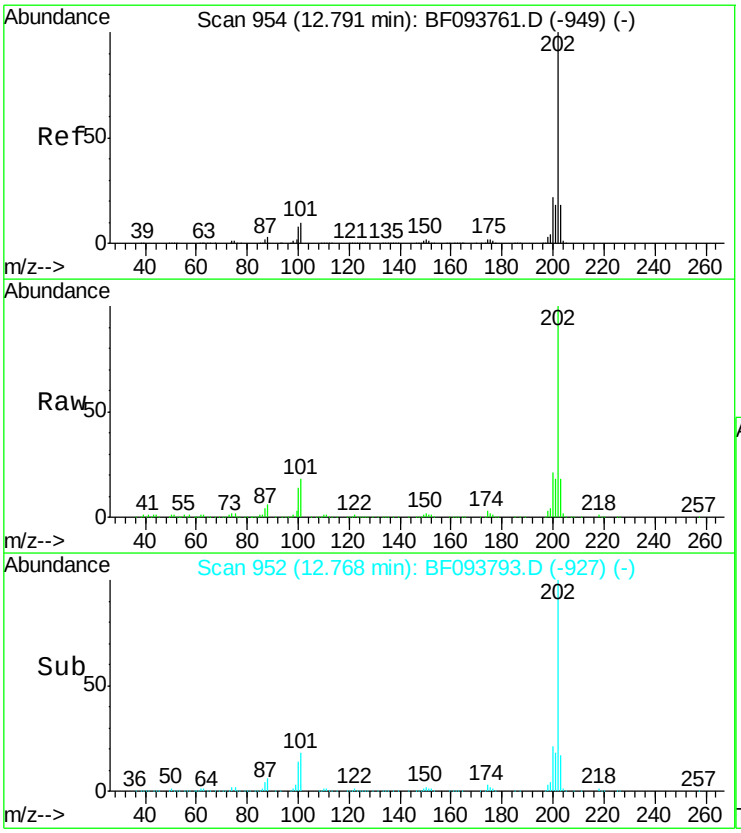
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:240 Resp: 487046

Ion	Ratio	Lower	Upper
240	100		
120	9.9	5.8	8.8#
236	25.8	20.5	30.7

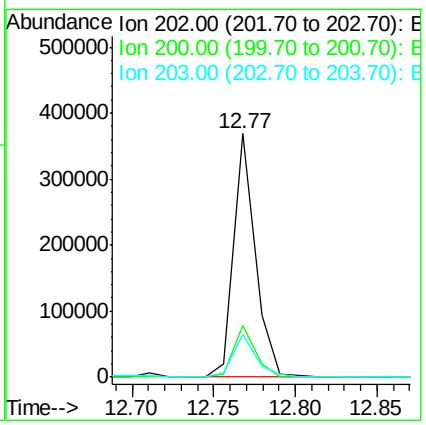


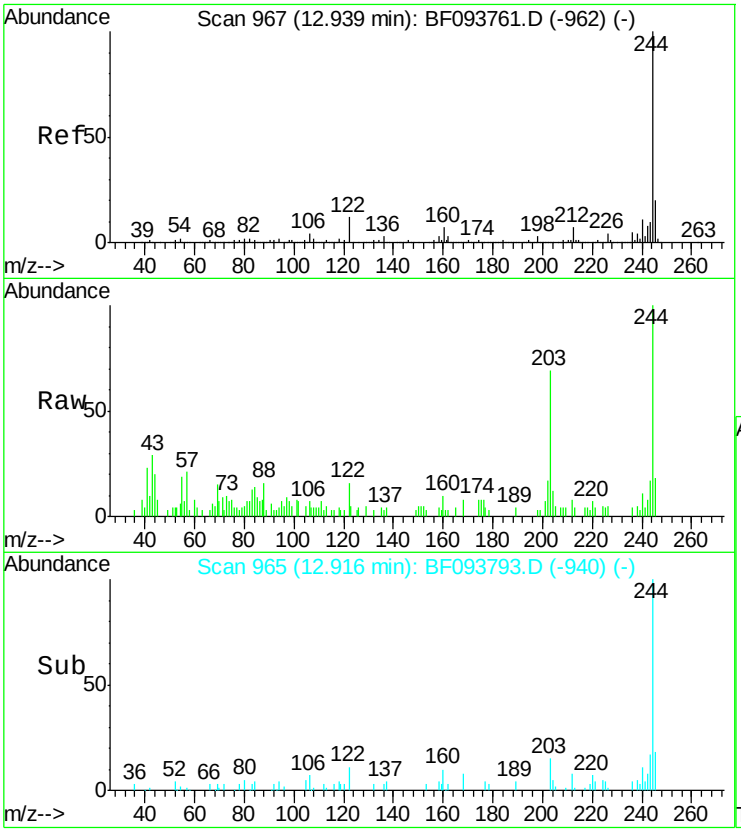


#77
Pyrene
Concen: 8.21 ng
RT: 12.77 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:202 Resp: 332851

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.6	14.4	21.6



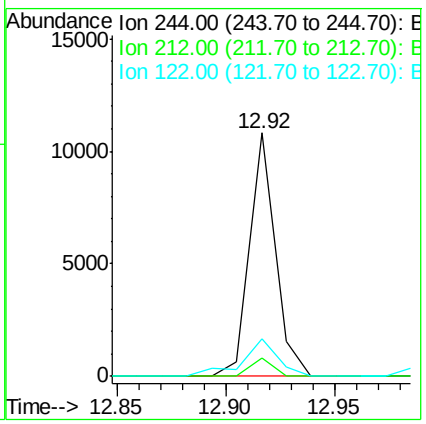


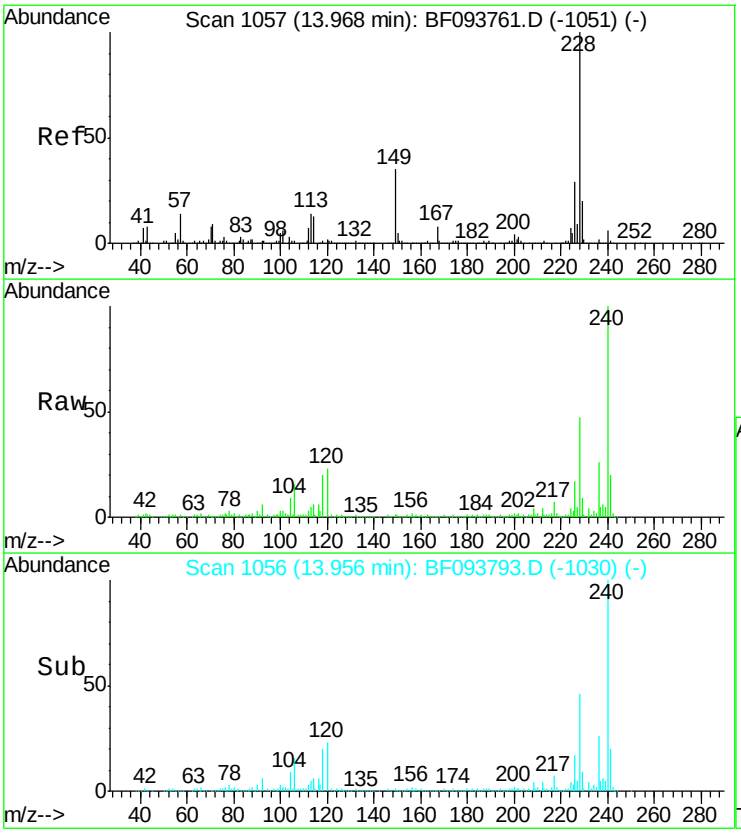
#78
Terphenyl-d14
Concen: 0.38 ng
RT: 12.92 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:244 Resp: 8959

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.6	10.3	15.5#

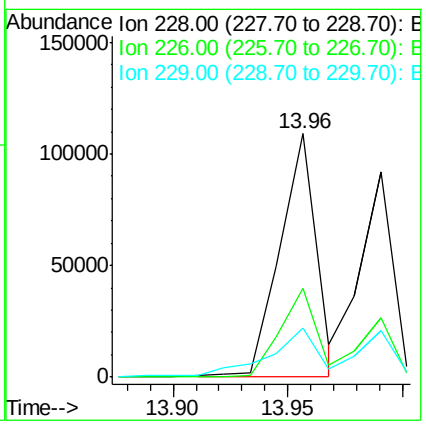


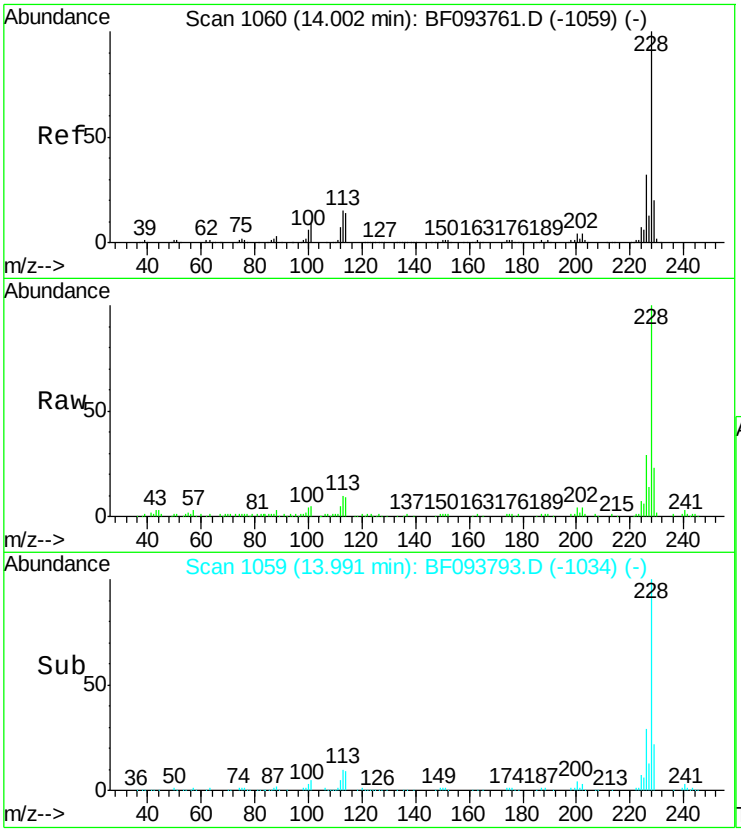


#80
Benzo(a)anthracene
Concen: 3.96 ng m
RT: 13.96 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:228 Resp: 120695

Ion	Ratio	Lower	Upper
228	100		
226	36.6	22.6	33.8#
229	19.9	16.3	24.5



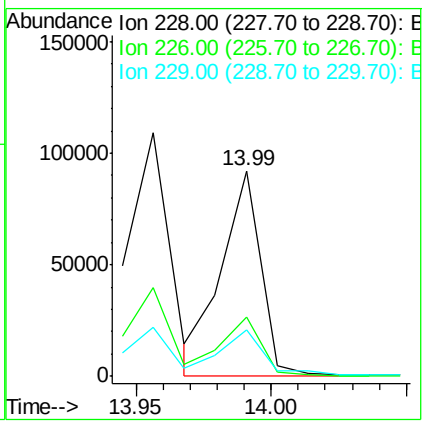


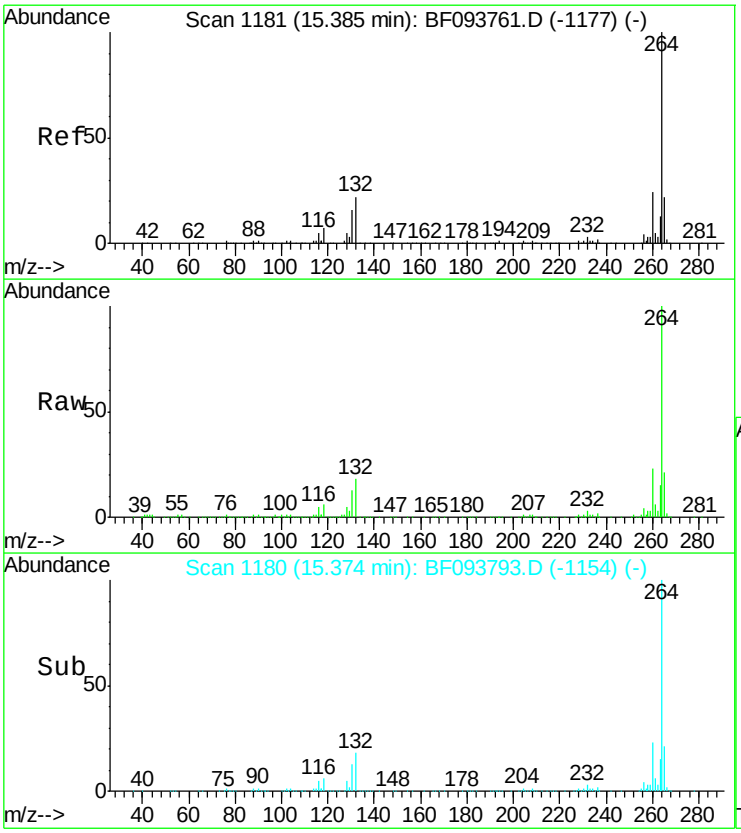
#82
Chrysene
Concen: 3.04 ng m
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:228 Resp: 92623

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	23.0	15.8	23.6

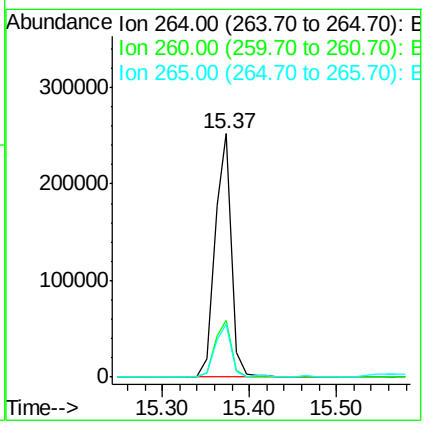


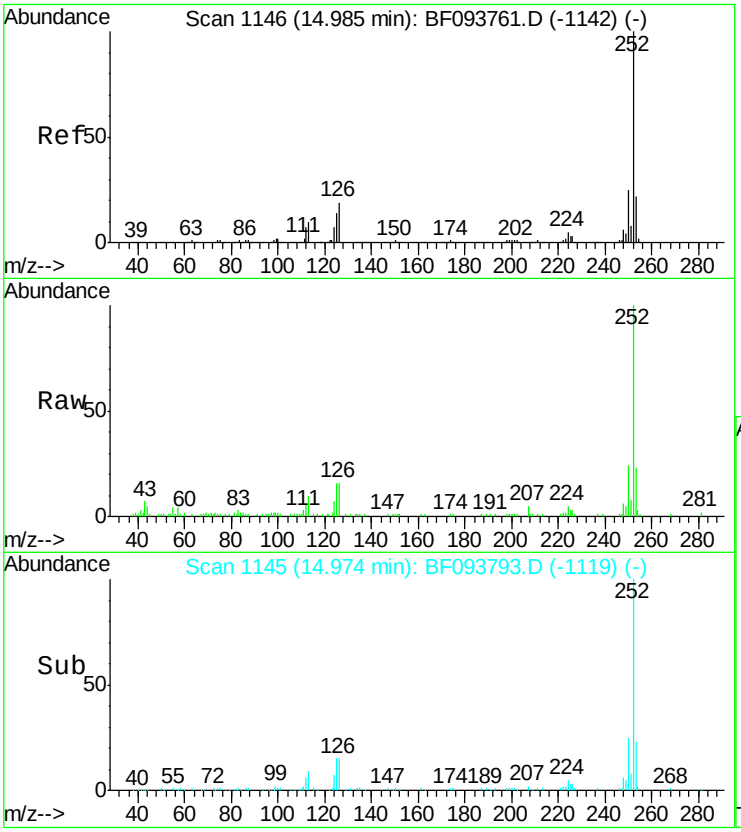


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:264 Resp: 333476

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.5	17.2	25.8



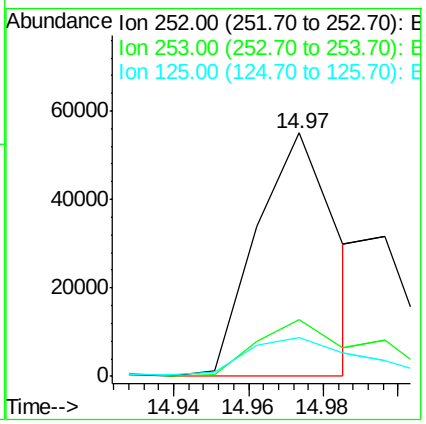


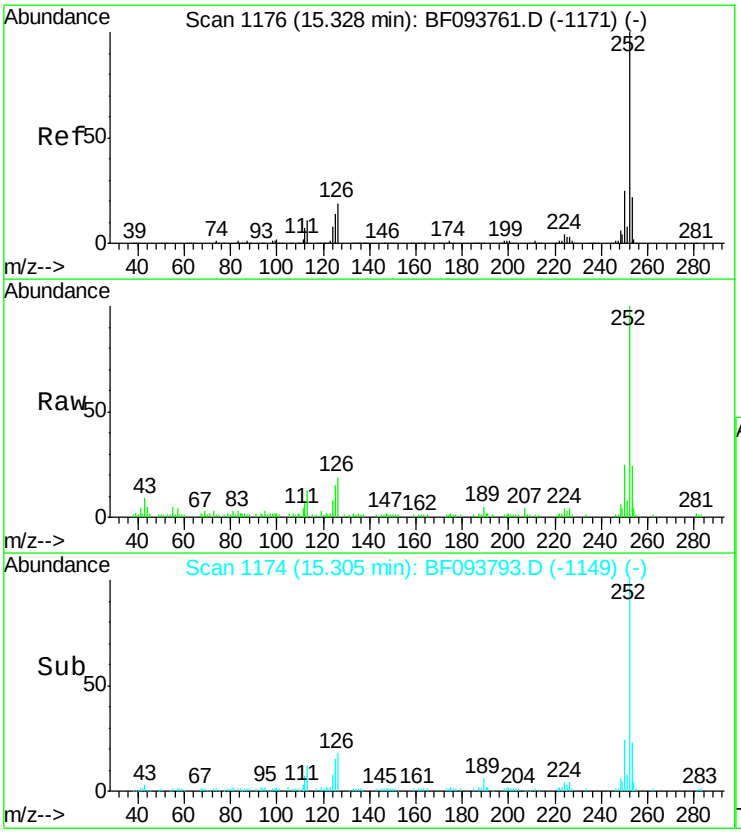
#87
Benzo(b)fluoranthene
Concen: 3.67 ng m
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:252 Resp: 82451

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	15.9	9.8	14.8#

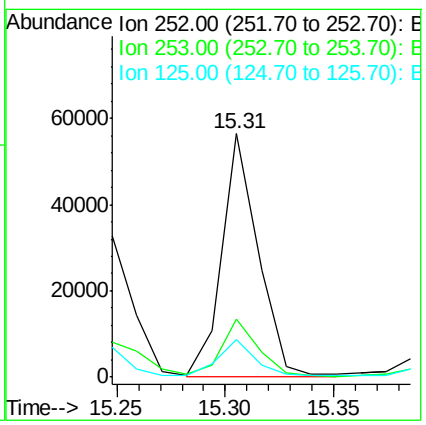


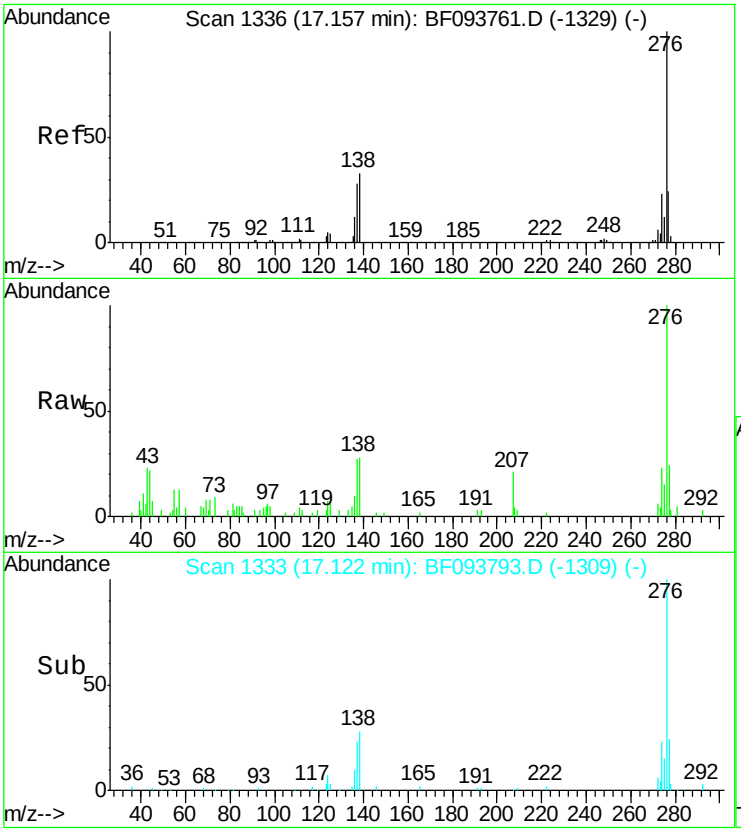


#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 15.31 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Tgt Ion:252 Resp: 65734

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.3	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 2.12 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093793.D
Acq: 21 Mar 2017 12:57

Instrument :
BNA_F
ClientSampleId :
CTMIX-2DL

Tgt Ion:276 Resp: 31923

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	27.6	25.4	38.0