Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
Data File : BF096453.D
Acq On : 3 Jul 2017 20:48
Operator : SJ/MA
Sample : I3991-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 04 01:16:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	117538	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	388597	20.00	ng		-0.01
38) Acenaphthene-d10	9.76	164	143266	20.00	ng		0.00
63) Phenanthrene-d10	11.24	188	238781	20.00	ng		-0.01
75) Chrysene-d12	13.87	240	171833	20.00	ng		0.00
86) Perylene-d12	15.30	264	114898	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	765268	96.10	ng		0.00
7) Phenol-d6	6.37	99	904876	92.43	ng		0.00
23) Nitrobenzene-d5	7.29	82	426462	65.95	ng		-0.02
41) 2,4,6-Tribromophenol	10.55	330	110749	98.96	ng		0.00
44) 2-Fluorobiphenyl	9.09	172	693691	82.79	ng		0.00
78) Terphenyl-d14	12.83	244	551431	68.57	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.38	94	44369	3.98	ng		89
22) Acetophenone	7.13	105	44883	5.29	ng	#	47
25) Isophorone	7.55	82	25345	2.02	ng	#	1
35) Caprolactam	8.45	113	24289	13.35	ng	#	1
49) Dimethylphthalate	9.48	163	212015	19.82	ng	#	98
66) 4-Bromophenyl-phenylether	10.55	248	7481	3.22	ng	#	1
70) Phenanthrene	11.26	178	68128	5.28	ng		98
71) Anthracene	11.26	178	68128	5.18	ng		98
74) Fluoranthene	12.45	202	163454	12.92	ng		98
77) Pyrene	12.68	202	169565	12.29	ng		98
80) Benzo(a)anthracene	13.86	228	63332	6.36	ng	#	88
82) Chrysene	13.90	228	69706	6.69	ng	#	91
85) Indeno(1,2,3-cd)pyrene	16.68	276	25704	3.13	ng	#	86
87) Benzo(b)fluoranthene	14.89	252	81015	11.25	ng	#	61
88) Benzo(k)fluoranthene	14.89	252	81015	12.58	ng	#	65
89) Benzo(a)pyrene	15.23	252	42313	6.58	ng	#	58
91) Benzo(g,h,i)perylene	17.09	276	27019	5.16	ng	#	78

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

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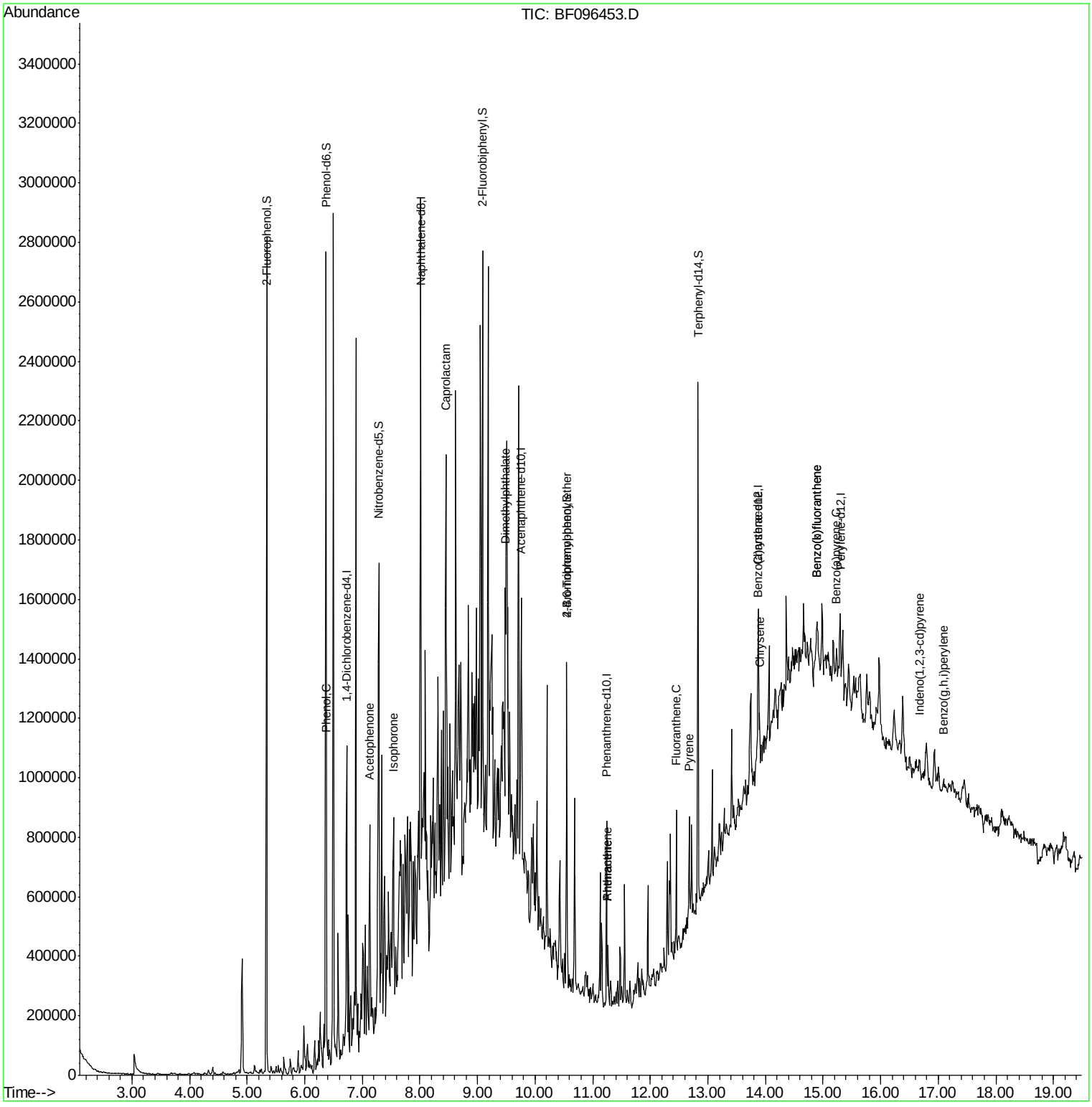
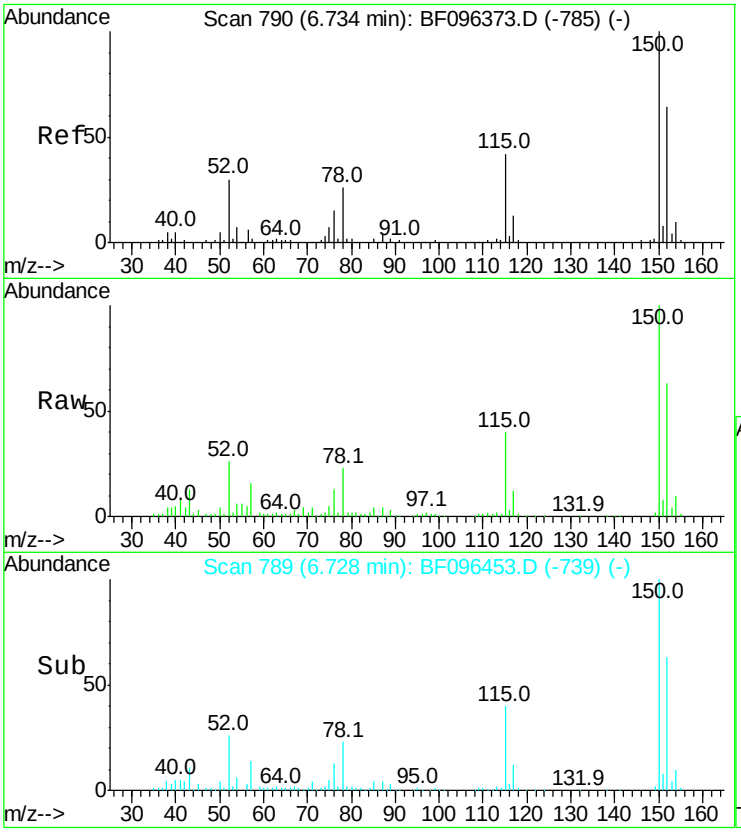


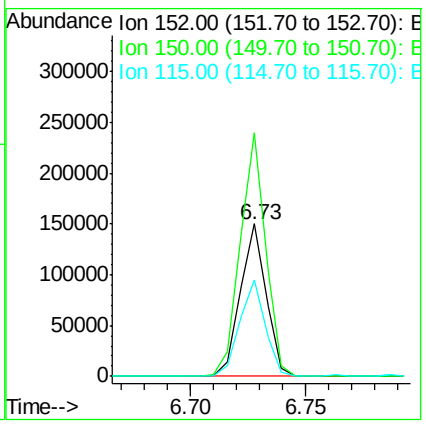


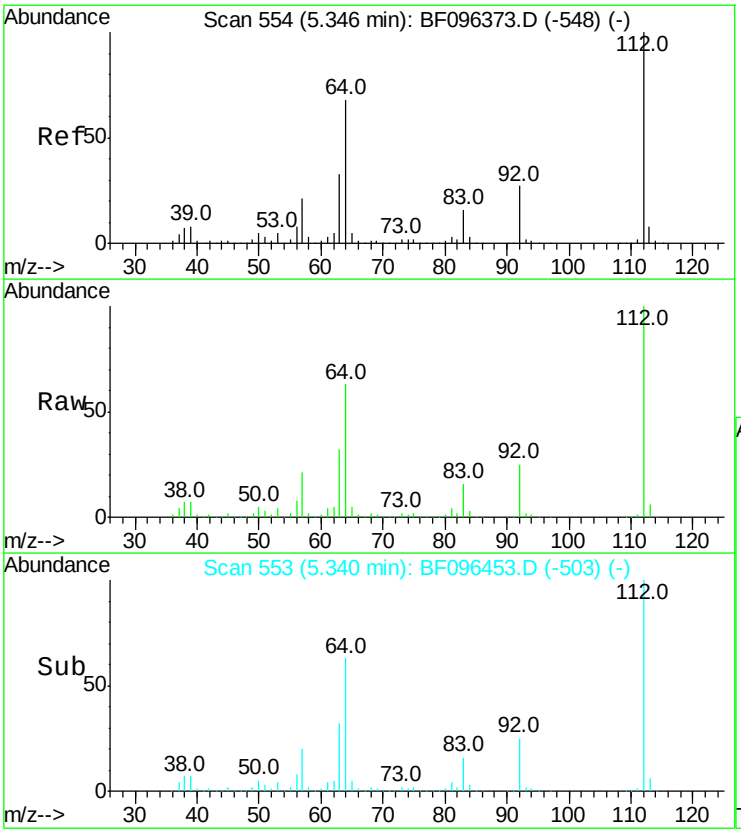
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 117538

Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	63.4	52.2	78.2

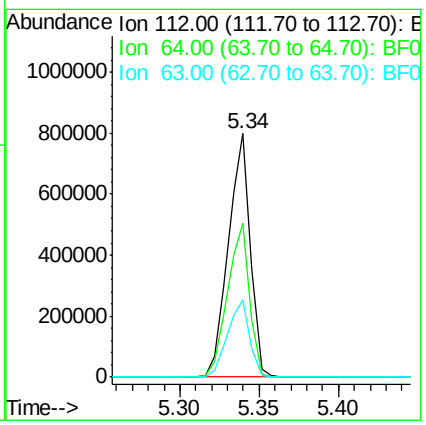


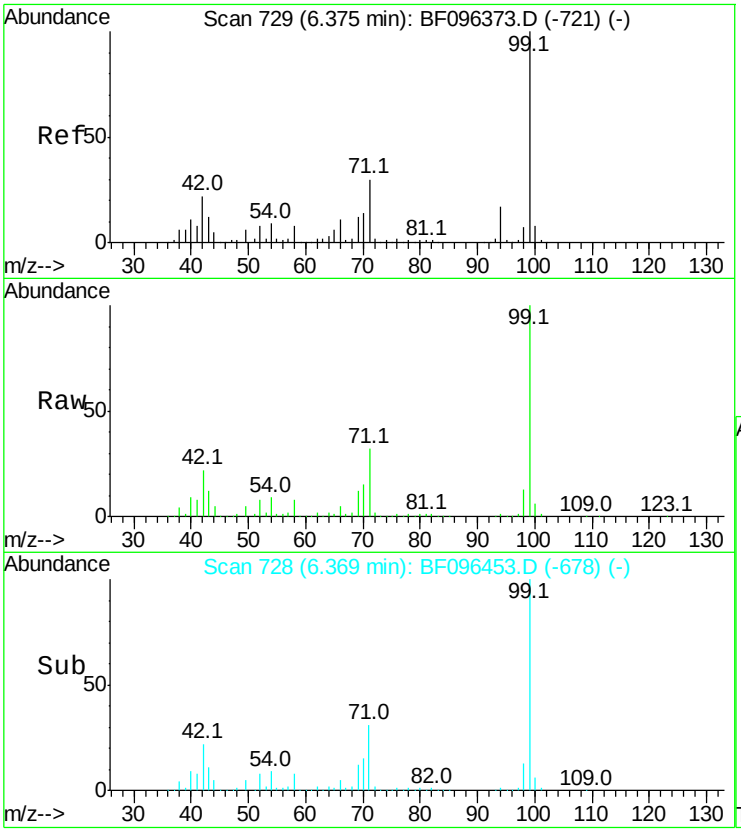


#5
2-Fluorophenol
Concen: 96.10 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:112 Resp: 765268

Ion	Ratio	Lower	Upper
112	100		
64	63.1	46.0	69.0
63	31.9	23.4	35.0



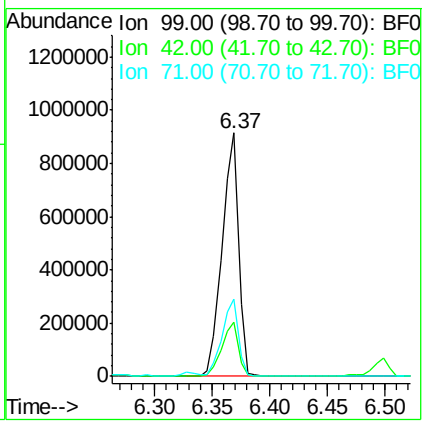


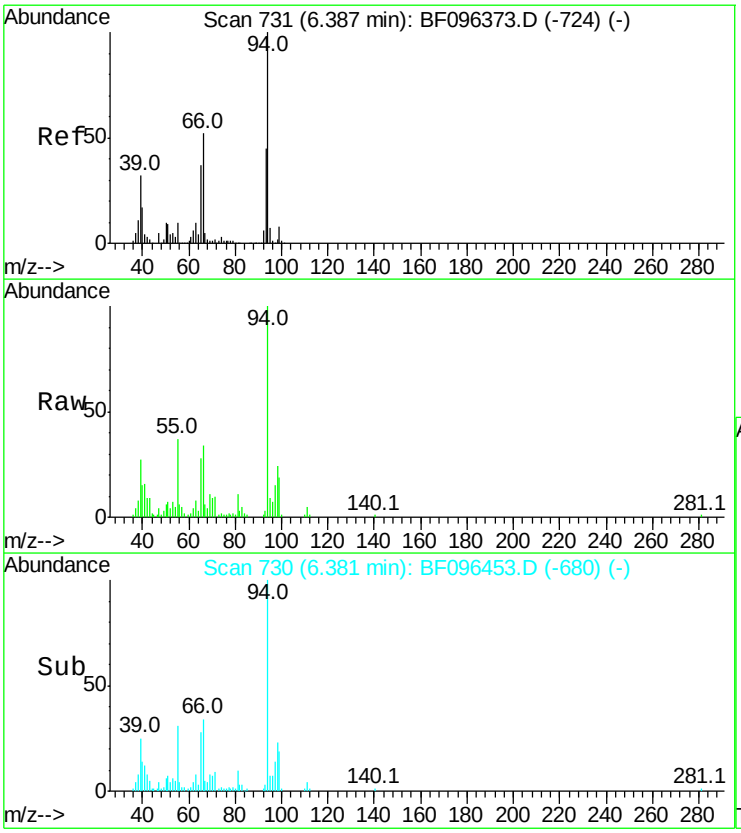
#7
Phenol-d6
Concen: 92.43 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 904876

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.5	20.3#
71	31.5	24.5	36.7

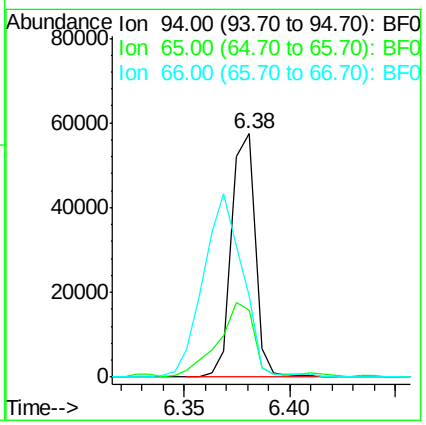


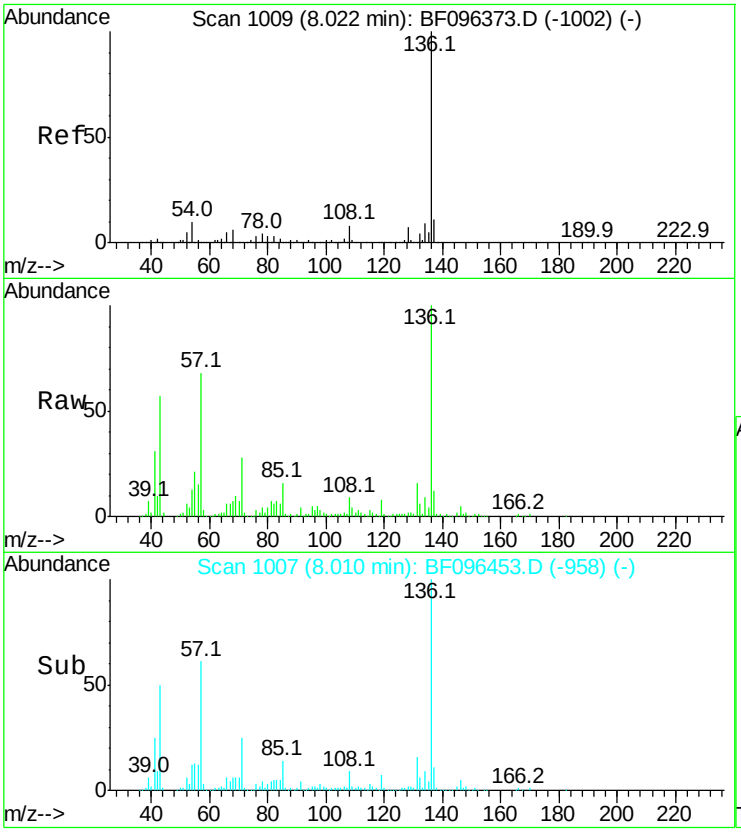


#10
Phenol
Concen: 3.98 ng
RT: 6.38 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion: 94 Resp: 44369

Ion	Ratio	Lower	Upper
94	100		
65	27.6	9.9	49.9
66	33.5	23.1	63.1



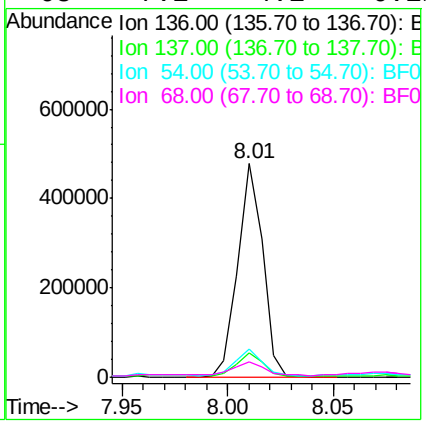


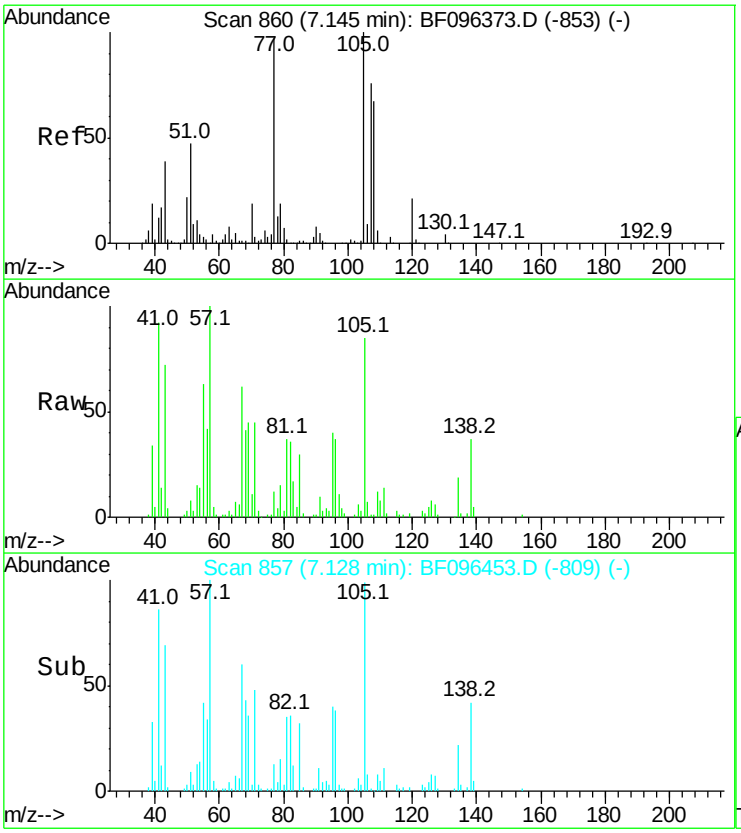
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 388597

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	13.1	4.9	7.3#
68	7.1	4.1	6.1#

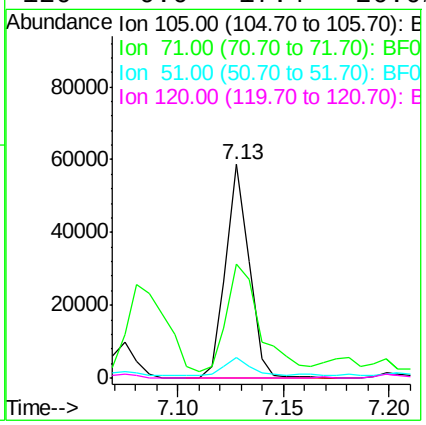


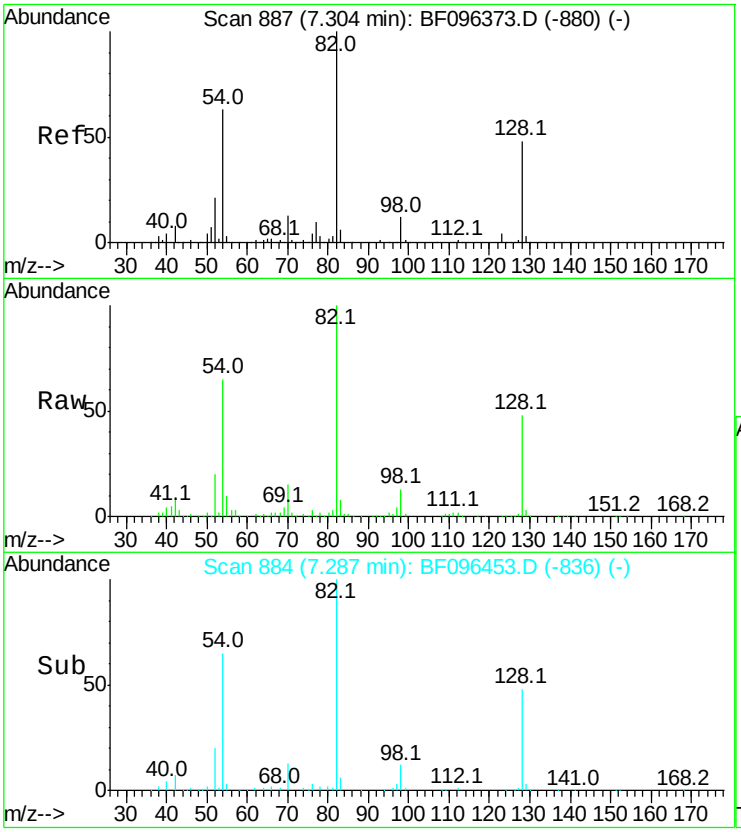


#22
Acetophenone
Concen: 5.29 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:105 Resp: 44883

Ion	Ratio	Lower	Upper
105	100		
71	53.6	2.8	4.2#
51	9.7	30.7	46.1#
120	0.0	17.4	26.0#



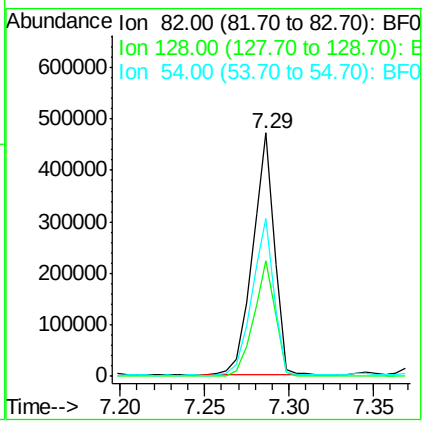


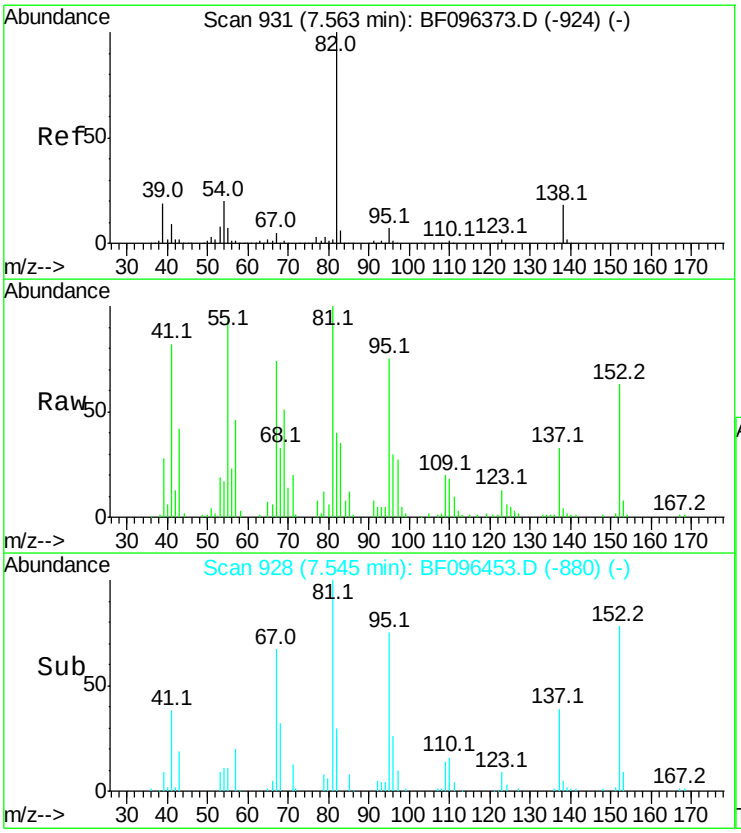
#23
Nitrobenzene-d5
Concen: 65.95 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 426462

Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	65.0	42.2	63.2#

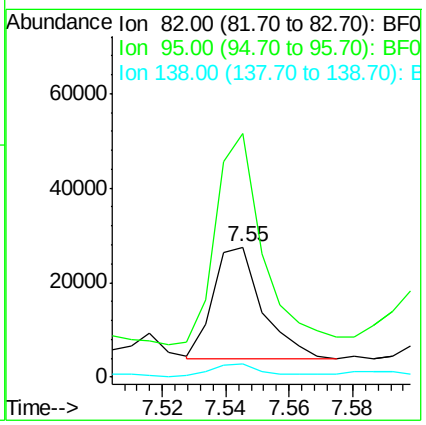


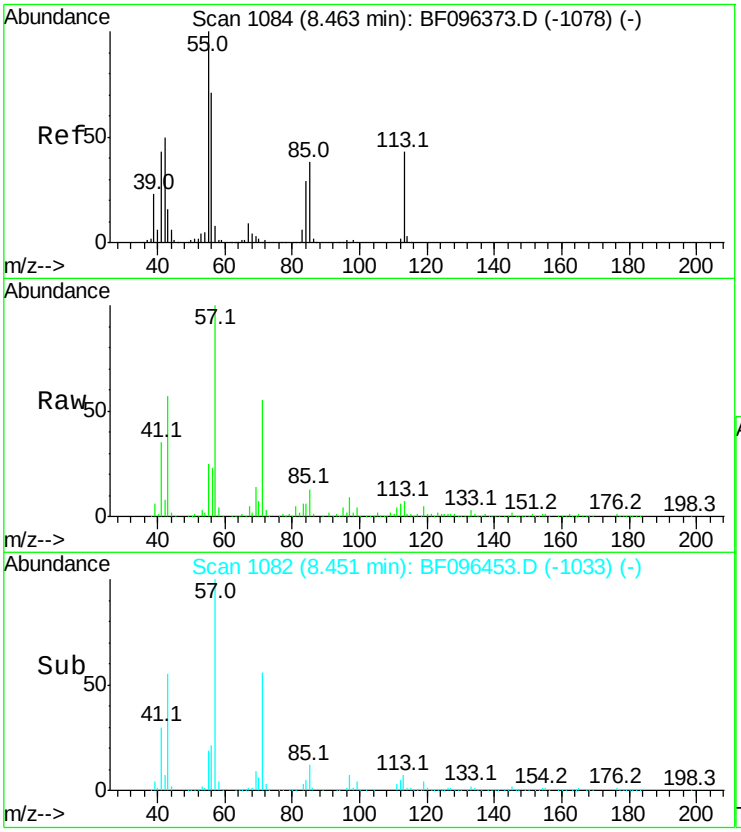


#25
Isophorone
Concen: 2.02 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion: 82 Resp: 25345

Ion	Ratio	Lower	Upper
82	100		
95	187.7	5.3	7.9#
138	9.8	13.1	19.7#



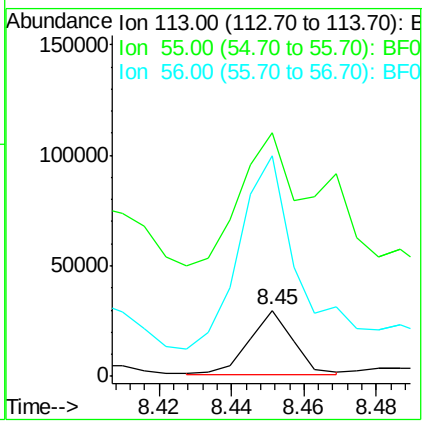


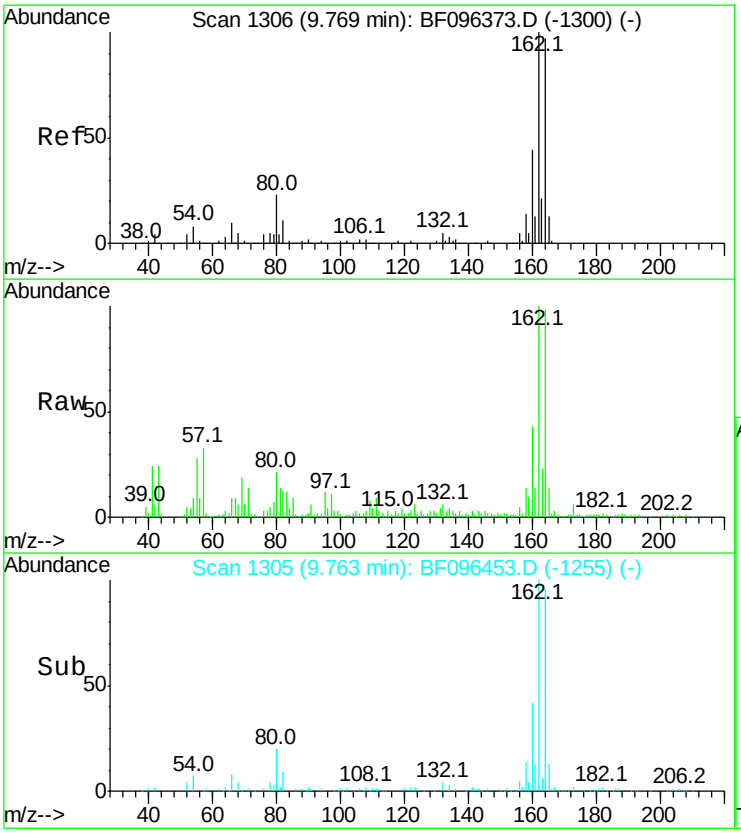
#35
Caprolactam
Concen: 13.35 ng
RT: 8.45 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 24289

Ion	Ratio	Lower	Upper
113	100		
55	370.0	150.2	190.2#
56	335.4	107.8	147.8#

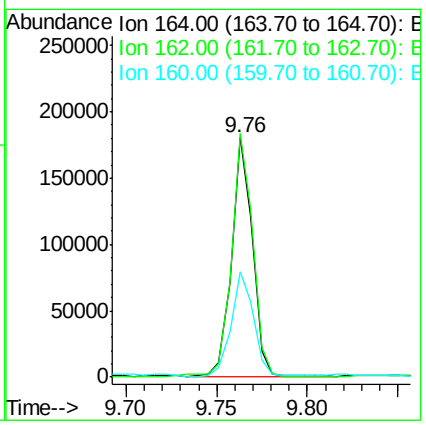


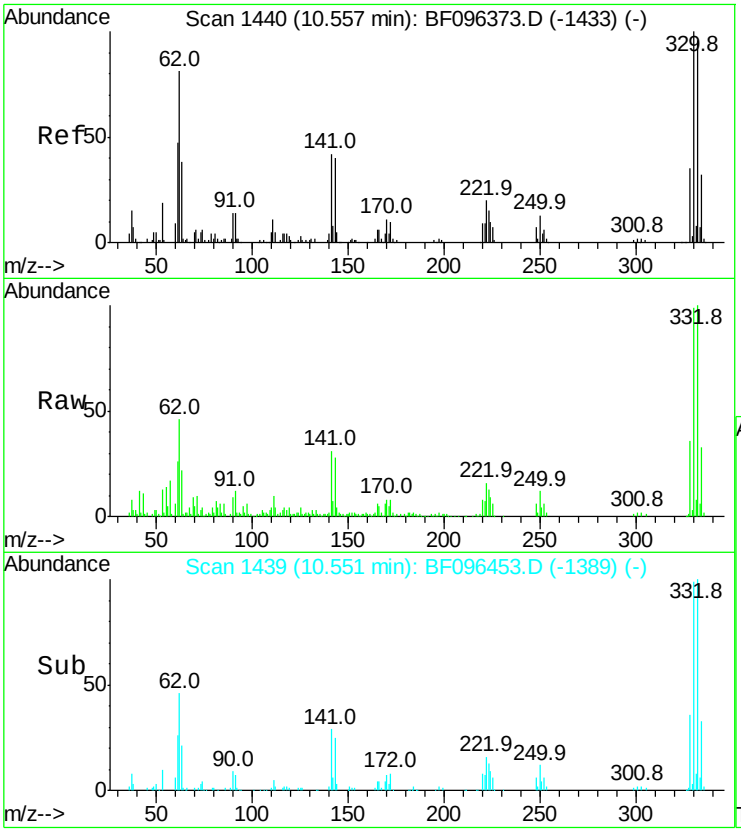


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:164 Resp: 143266

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	43.8	36.2	54.2



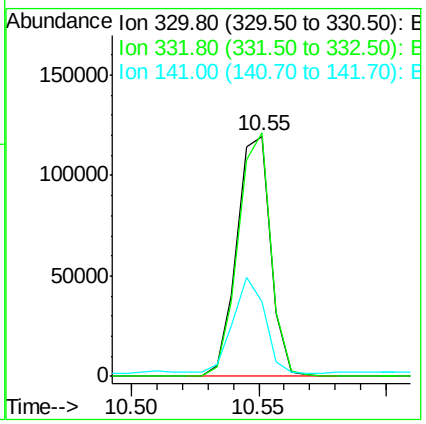


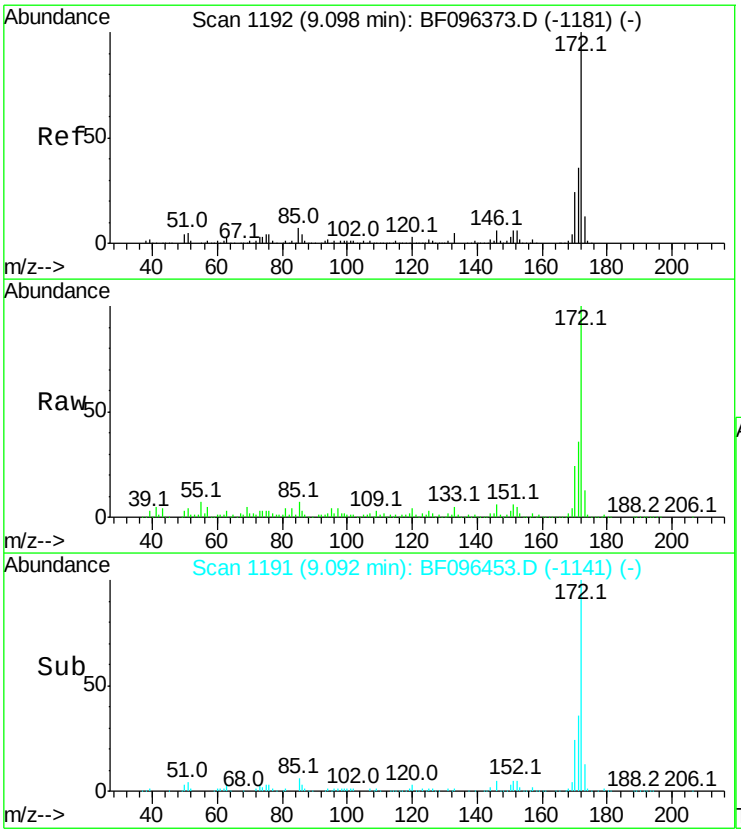
#41
2,4,6-Tribromophenol
Concen: 98.96 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 110749

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	37.4	31.4	47.2

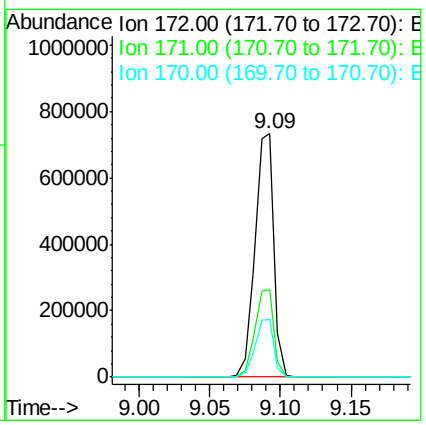


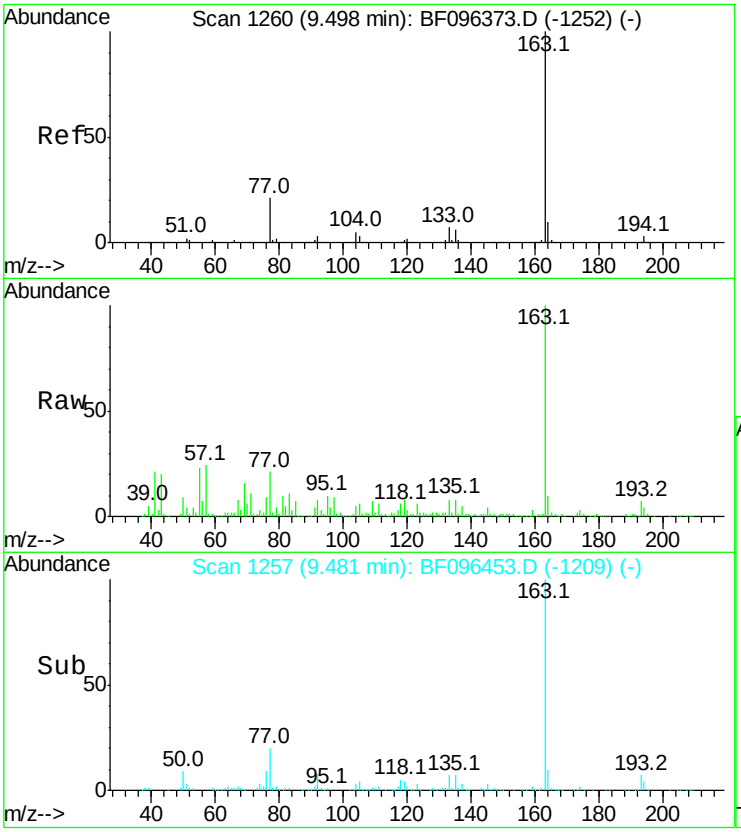


#44
2-Fluorobiphenyl
Concen: 82.79 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:172 Resp: 693691

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8



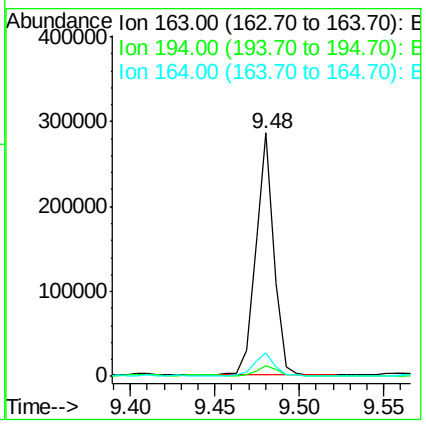


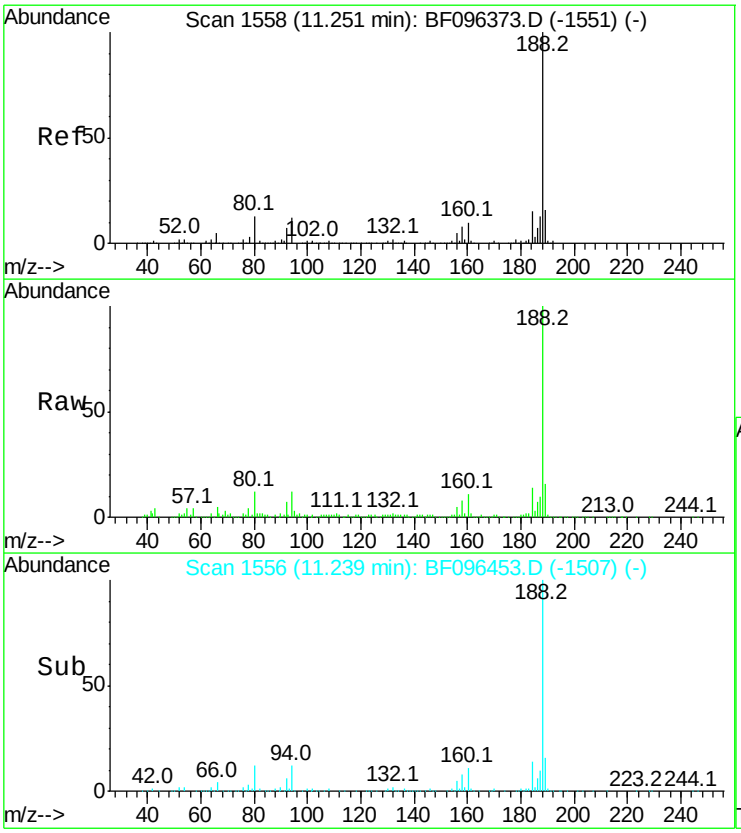
#49
Dimethylphthalate
Concen: 19.82 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 212015

Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.6	4.0#
164	9.9	8.4	12.6

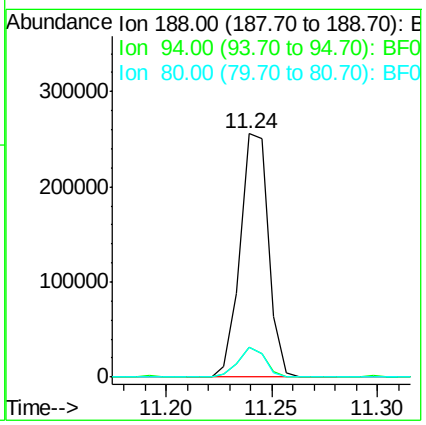


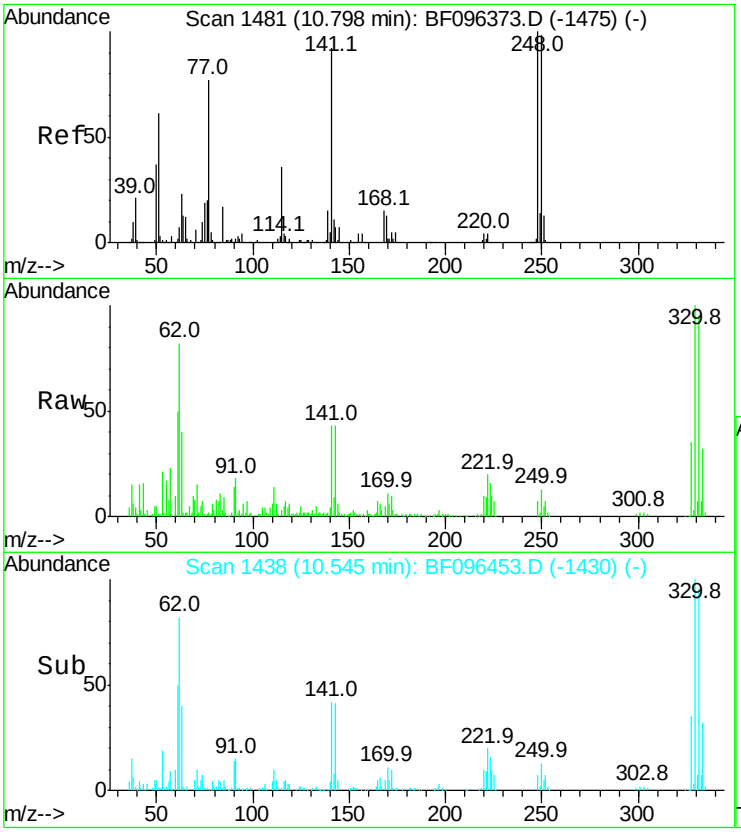


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:188 Resp: 238781

Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	12.2	10.2	15.2



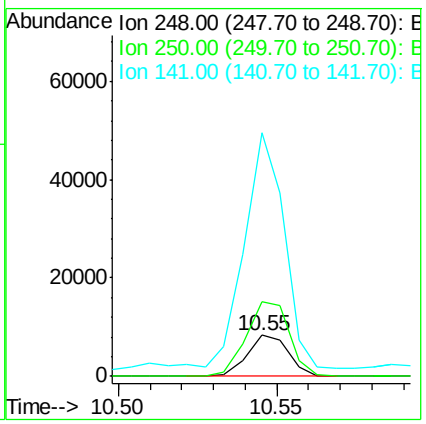


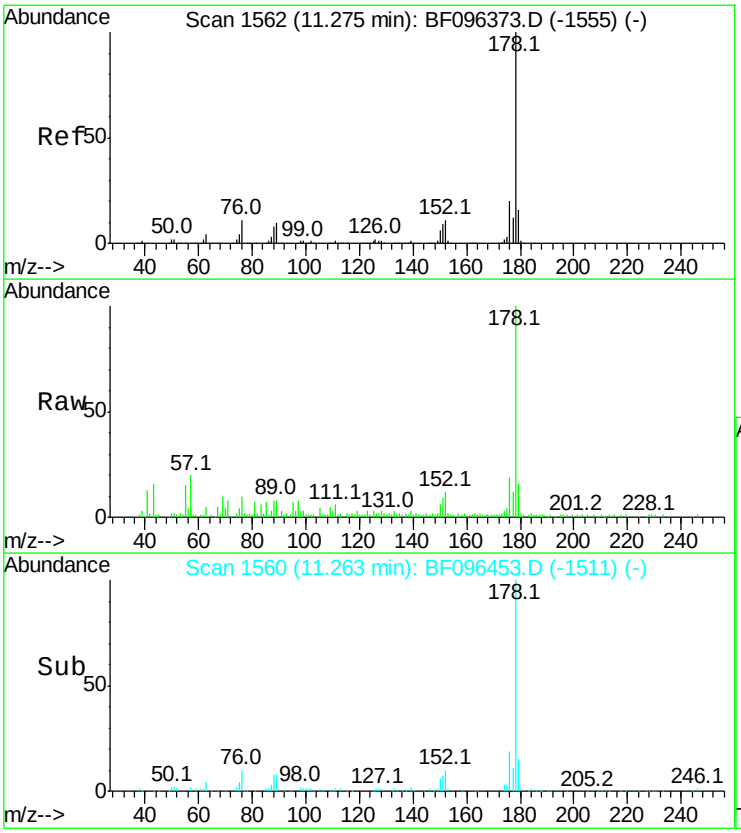
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 7481

Ion	Ratio	Lower	Upper
248	100		
250	180.8	76.8	115.2#
141	594.1	68.6	103.0#

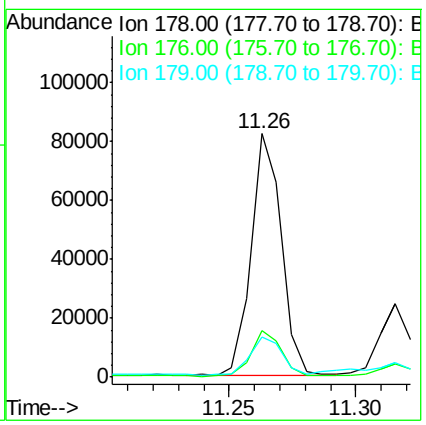


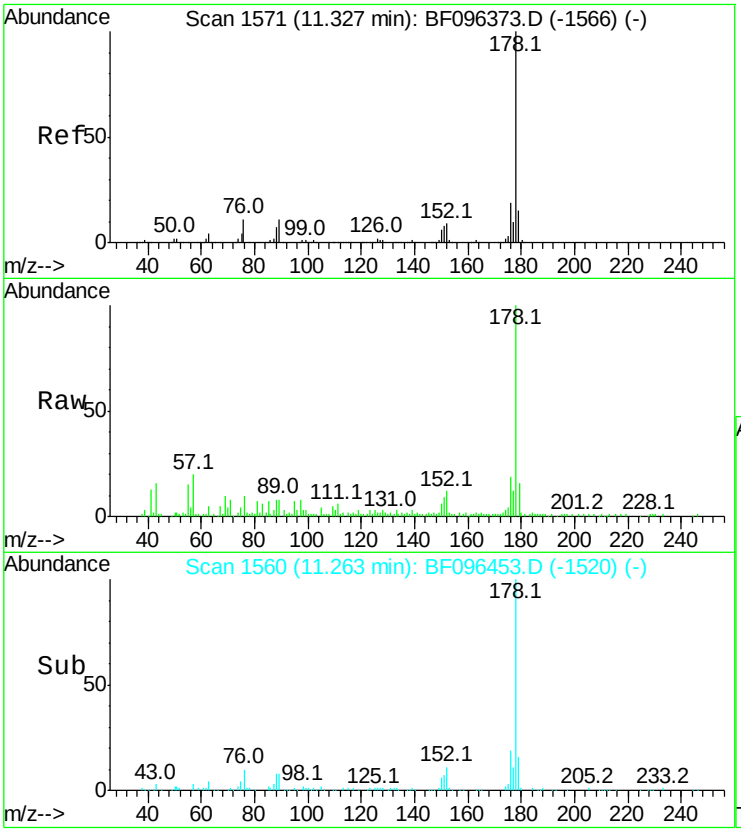


#70
Phenanthrene
Concen: 5.28 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:178 Resp: 68128

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	16.4	12.6	19.0



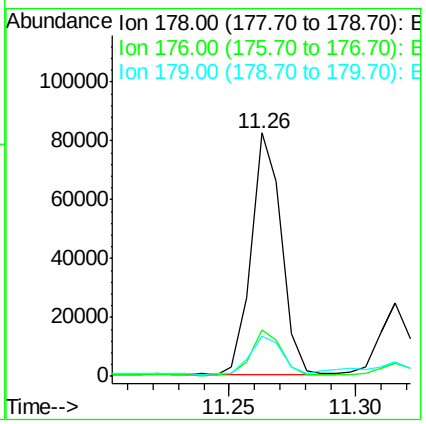


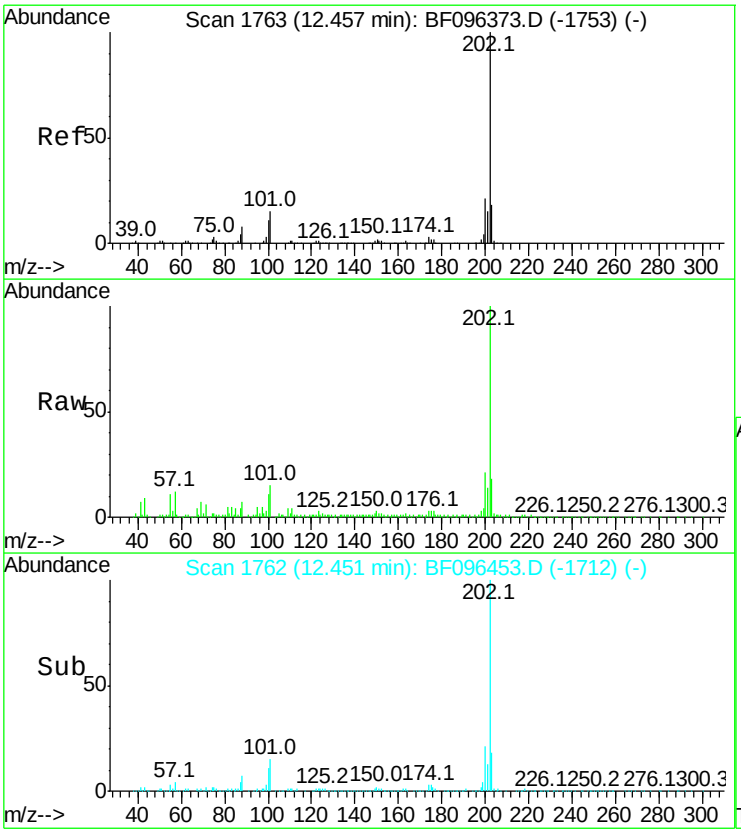
#71
Anthracene
Concen: 5.18 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 68128

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.4	12.7	19.1

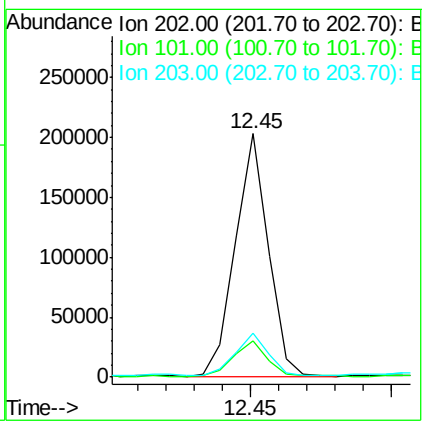


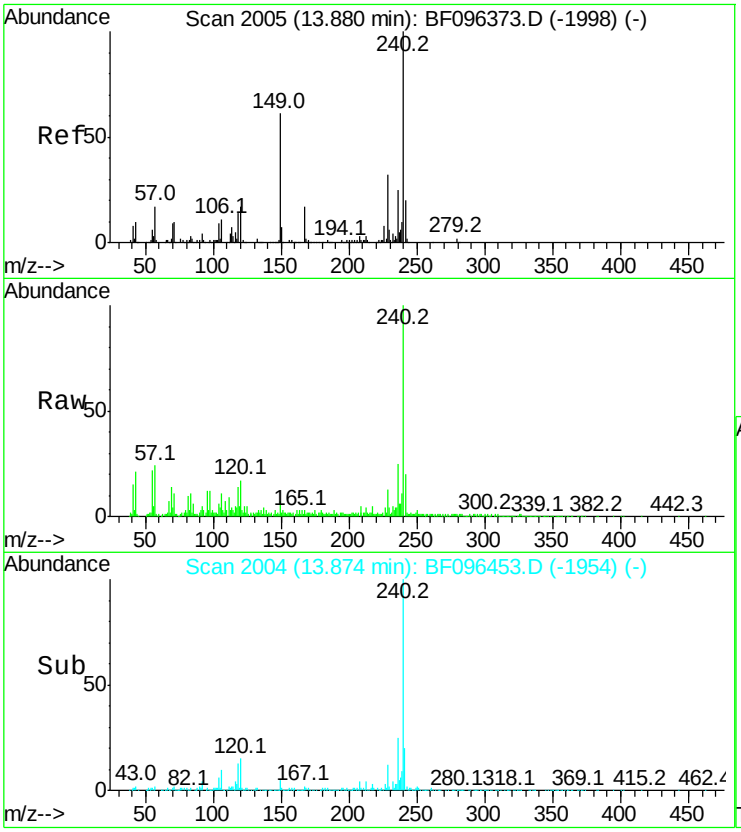


#74
Fluoranthene
Concen: 12.92 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:202 Resp: 163454

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	33.2
203	18.1	0.0	38.1



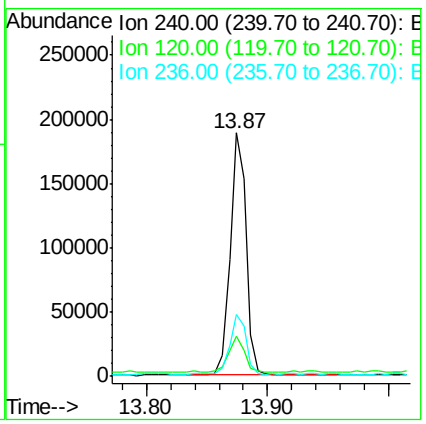


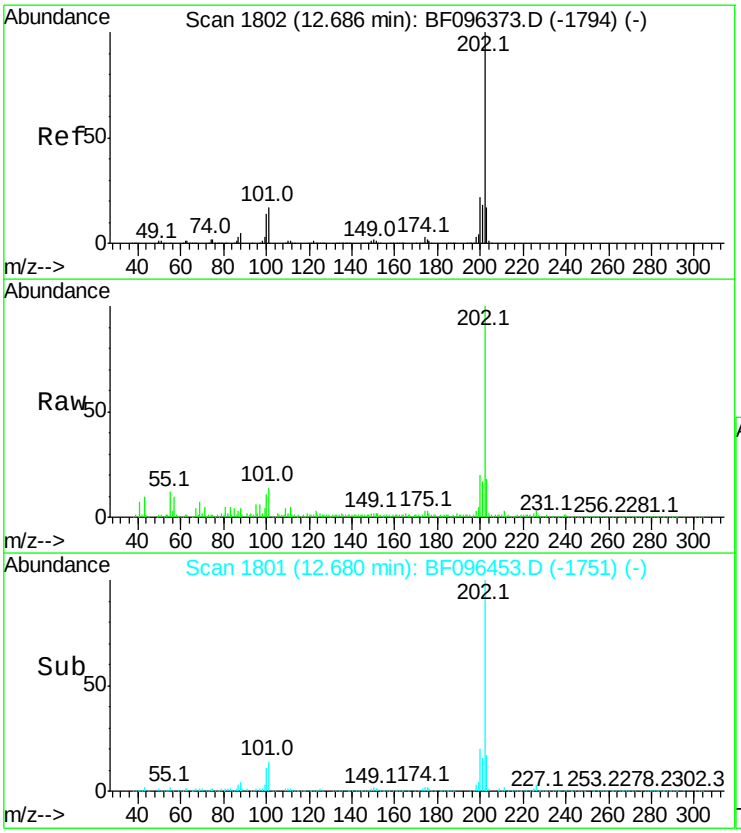
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 171833

Ion	Ratio	Lower	Upper
240	100		
120	16.6	5.8	8.8#
236	25.5	20.5	30.7

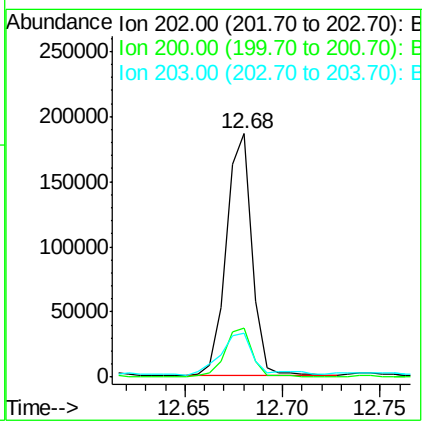


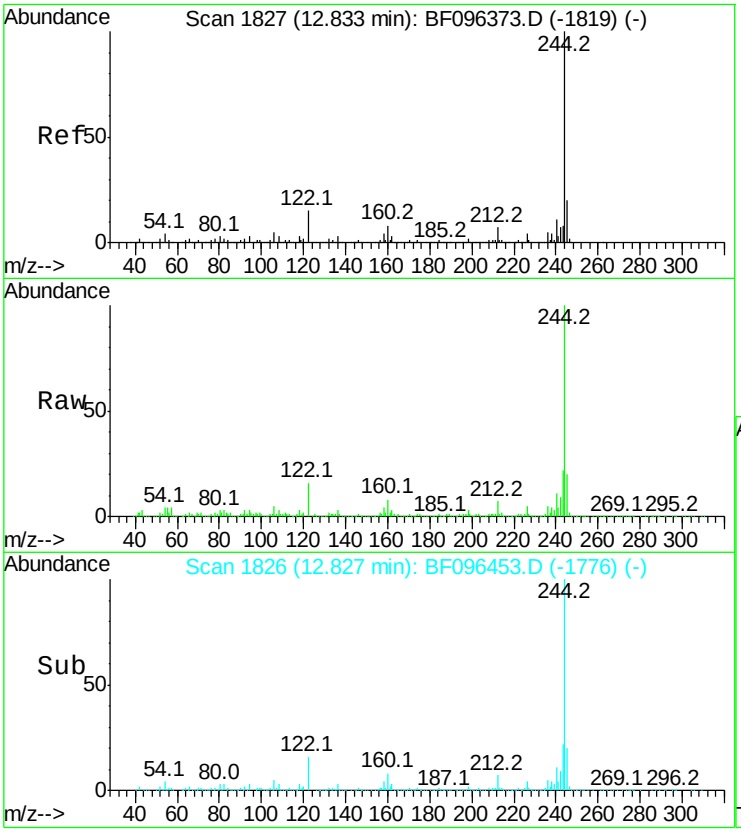


#77
Pyrene
Concen: 12.29 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:202 Resp: 169565

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.6	26.4
203	18.2	14.4	21.6



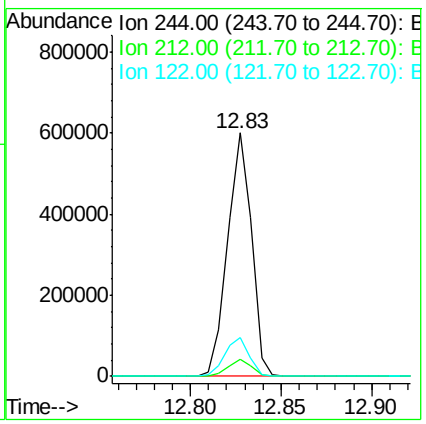


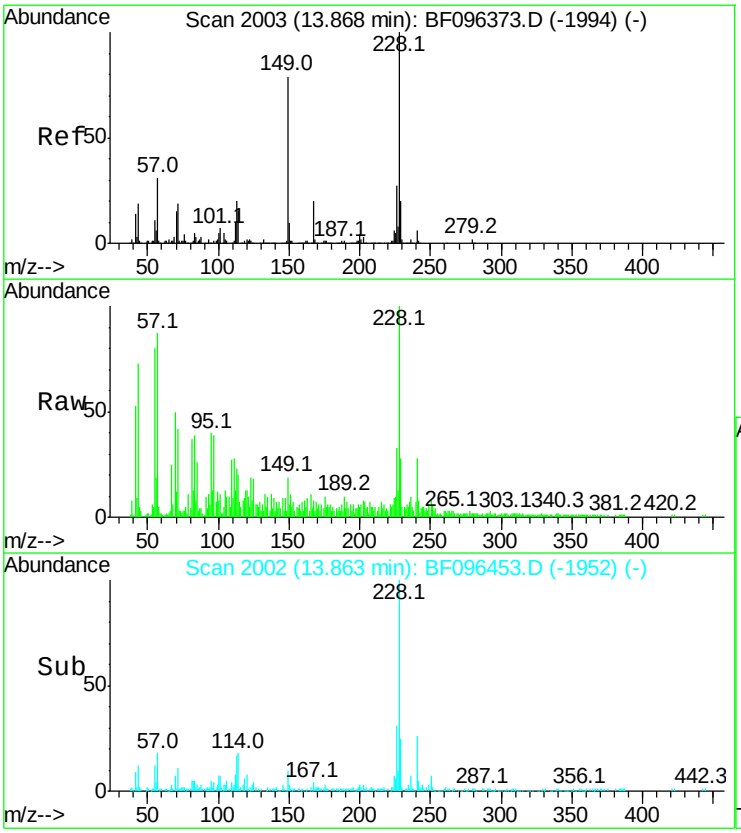
#78
Terphenyl-d14
Concen: 68.57 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 551431

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.8	10.3	15.5#

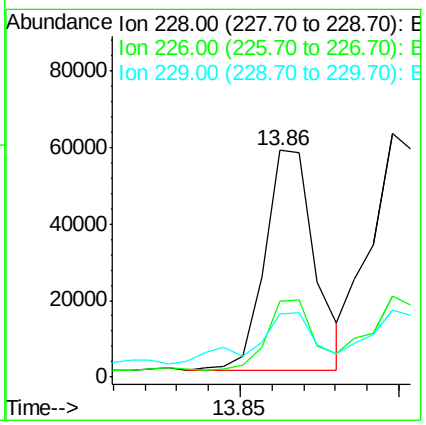


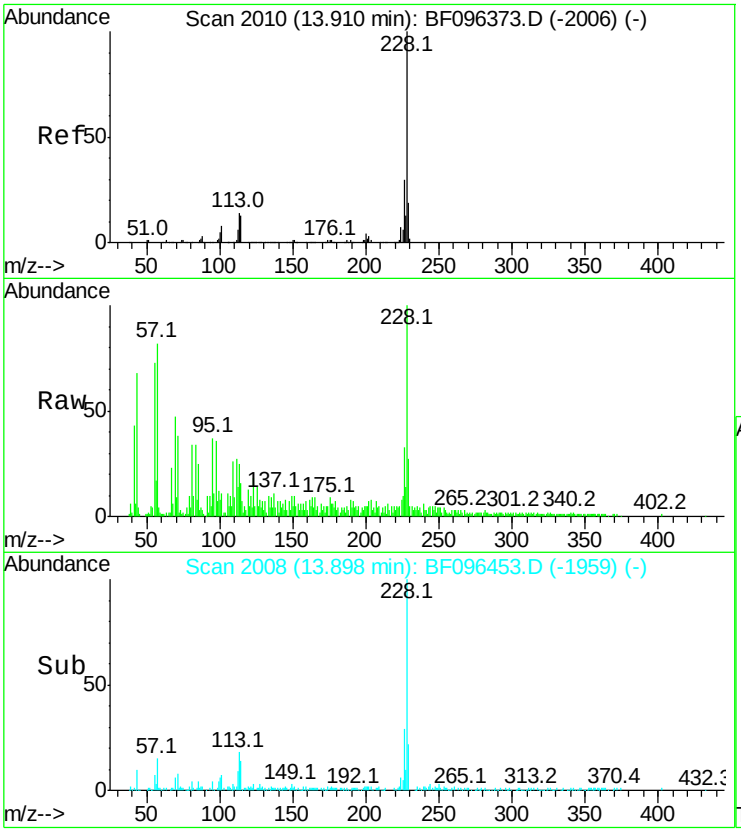


#80
Benzo(a)anthracene
Concen: 6.36 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:228 Resp: 63332

Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	27.7	16.3	24.5#



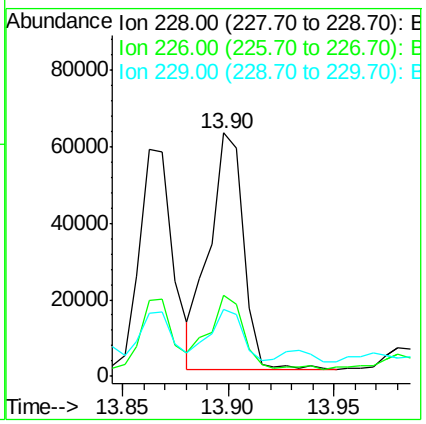


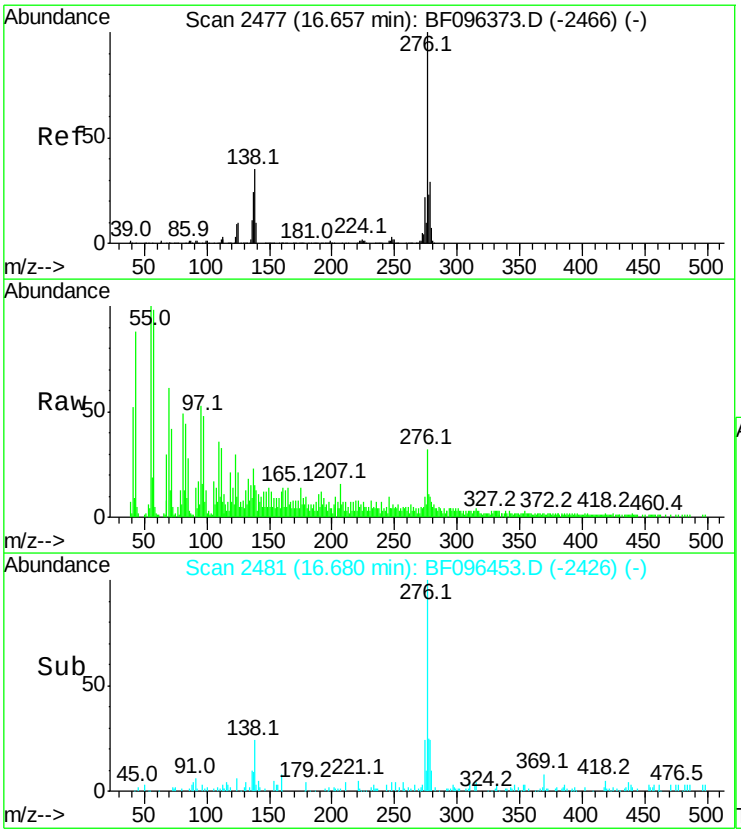
#82
Chrysene
Concen: 6.69 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 69706

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.9	37.3
229	27.4	15.8	23.6#

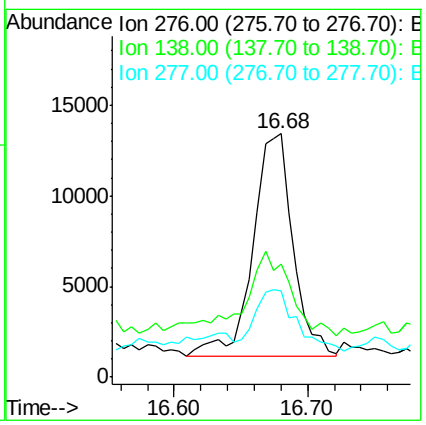


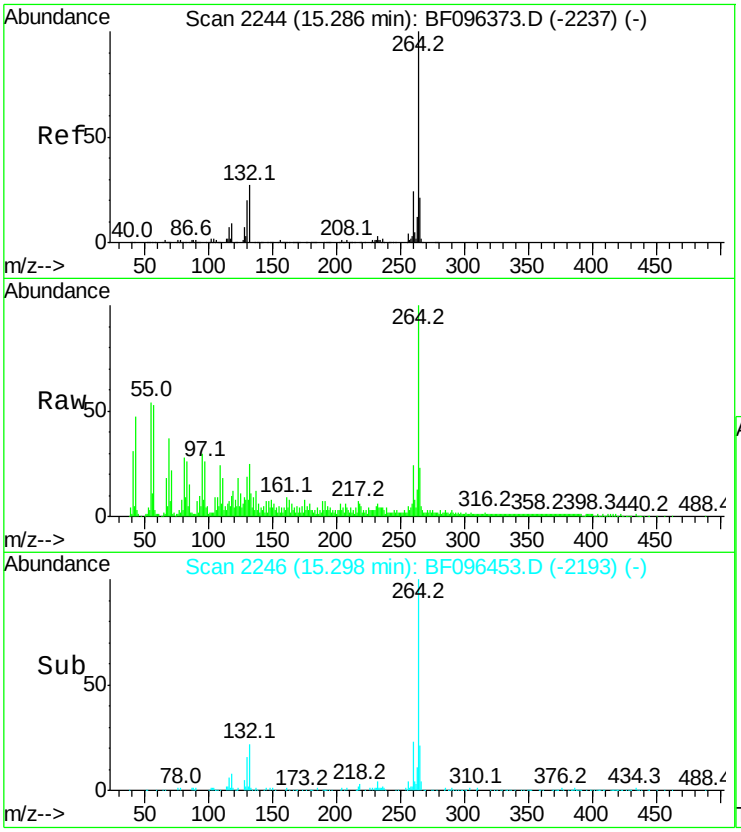


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.13 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:276 Resp: 25704

Ion	Ratio	Lower	Upper
276	100		
138	46.9	27.8	41.6#
277	27.9	20.2	30.4



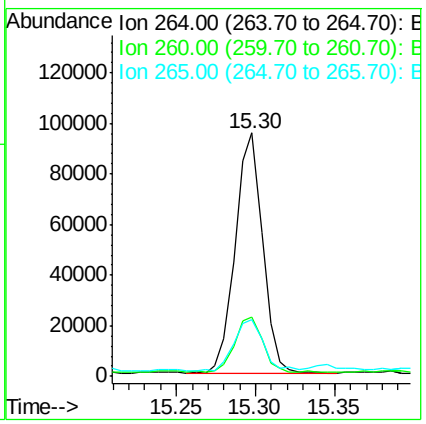


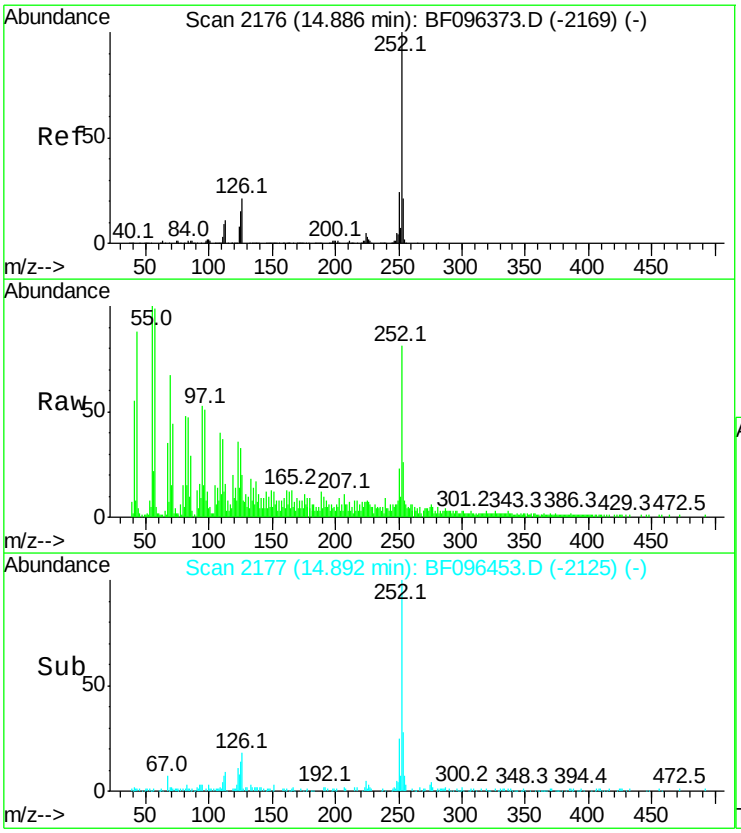
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 114898

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	23.1	17.2	25.8

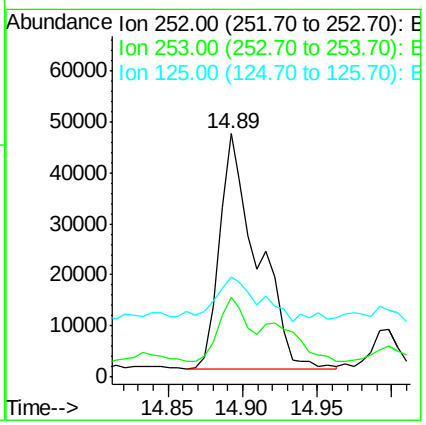


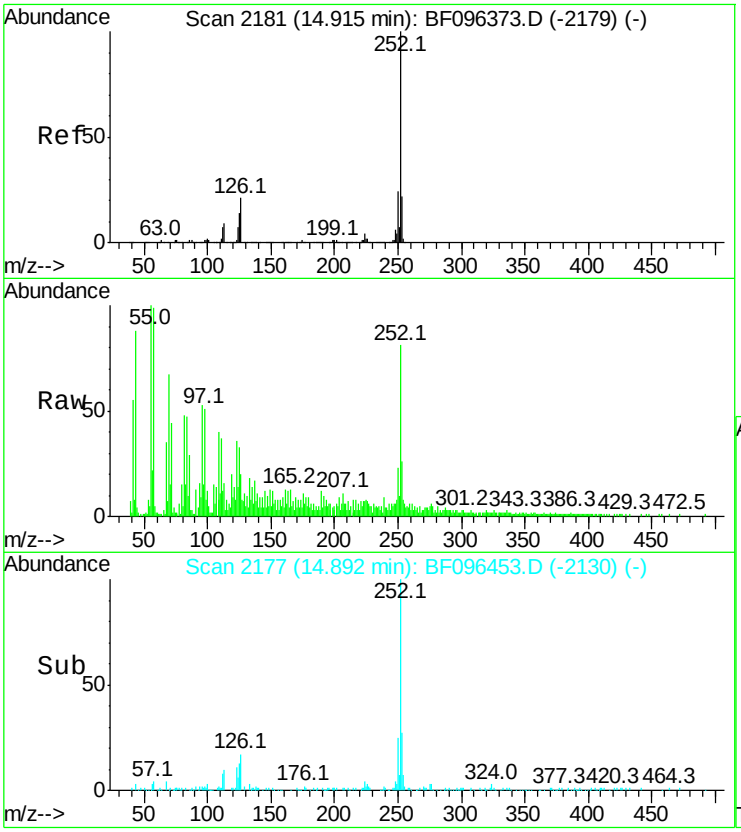


#87
Benzo(b)fluoranthene
Concen: 11.25 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:252 Resp: 81015

Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.1	27.1#
125	41.0	9.8	14.8#



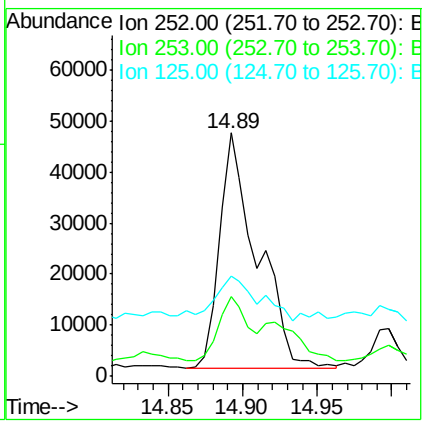


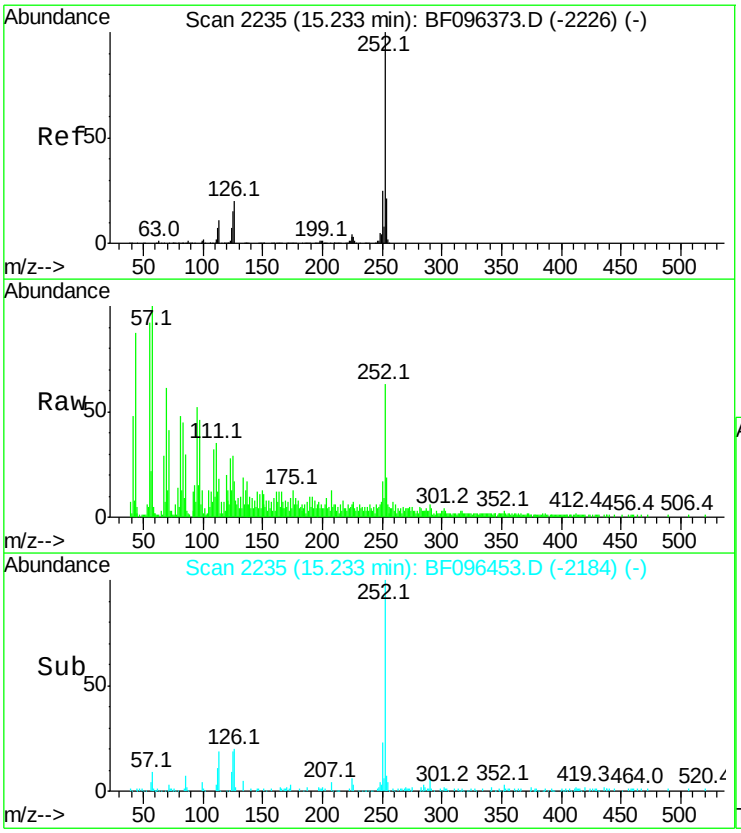
#88
Benzo(k)fluoranthene
Concen: 12.58 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 81015

Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.4	27.6#
125	41.0	13.1	19.7#

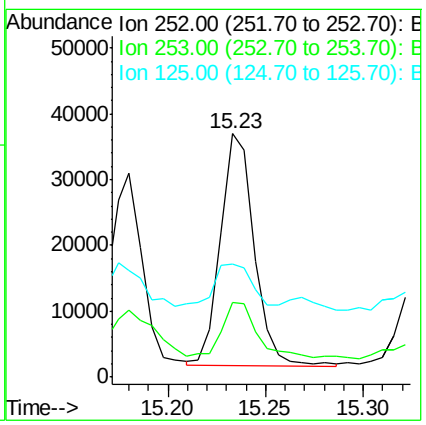


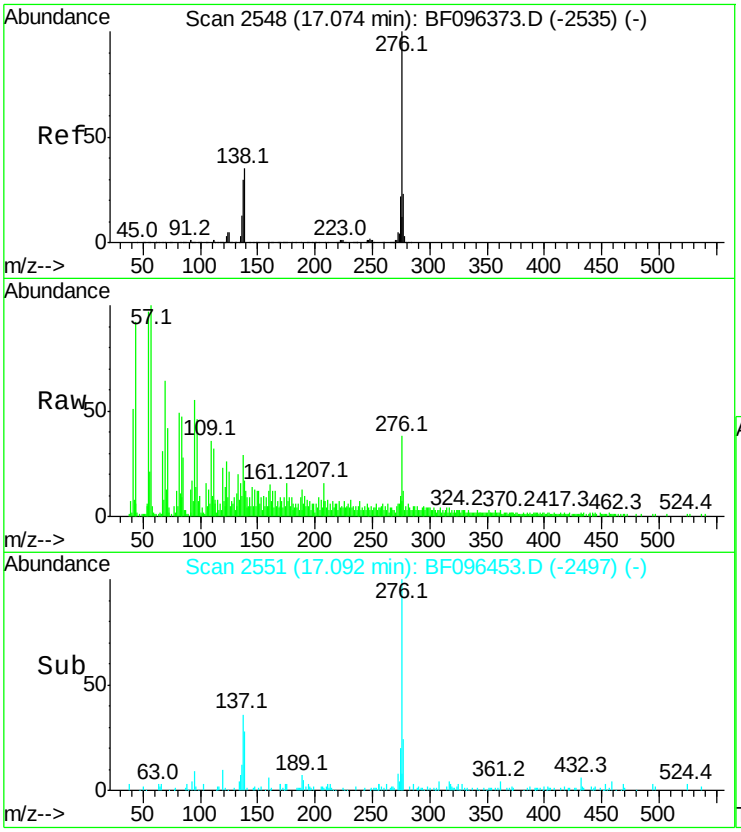


#89
Benzo(a)pyrene
Concen: 6.58 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion:252 Resp: 42313

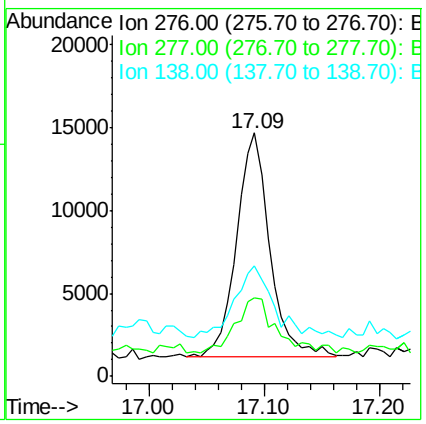
Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.5	26.3#
125	46.2	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 5.16 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 27019

Ion	Ratio	Lower	Upper
276	100		
277	32.4	18.6	28.0#
138	45.2	25.4	38.0#