Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086114.D
Acq On : 6 Apr 2016 22:55
Operator : UM/SJ
Sample : H2074-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB04

Quant Time: Apr 07 01:15:15 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	93639	20.00	ng		-0.03
21) Naphthalene-d8	8.03	136	323134	20.00	ng		-0.03
38) Acenaphthene-d10	9.78	164	118191	20.00	ng		-0.03
63) Phenanthrene-d10	11.27	188	206212	20.00	ng		-0.03
75) Chrysene-d12	13.91	240	221434	20.00	ng		-0.02
86) Perylene-d12	15.30	264	166466	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	663680	121.15	ng		-0.02
7) Phenol-d6	6.40	99	857366	123.21	ng		-0.02
23) Nitrobenzene-d5	7.31	82	433131	79.05	ng		-0.03
41) 2,4,6-Tribromophenol	10.57	330	110216	99.35	ng		-0.03
44) 2-Fluorobiphenyl	9.10	172	620478	87.29	ng		-0.03
78) Terphenyl-d14	12.84	244	557742	59.21	ng		-0.03
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	55898	12.96	ng	#	79
25) Isophorone	7.31	82	406484	37.58	ng	#	68
31) Naphthalene	8.05	128	52587	3.24	ng		97
49) Dimethylphthalate	9.50	163	133242	15.21	ng		99
51) Acenaphthene	9.81	154	26689	3.79	ng		97
54) Dibenzofuran	9.98	168	29010	3.12	ng		97
55) 4-Nitrophenol	9.98	139	11524	8.75	ng	#	12
56) 2,4-Dinitrotoluene	9.78	165	15417	6.58	ng	#	37
57) Fluorene	10.33	166	25891	3.26	ng		98
66) 4-Bromophenyl-phenylether	10.57	248	7156	3.40	ng	#	1
70) Phenanthrene	11.29	178	356401	31.68	ng		99
71) Anthracene	11.33	178	85583	7.26	ng		97
72) Carbazole	11.51	167	35018	3.46	ng		99
74) Fluoranthene	12.48	202	440703	37.66	ng		93
77) Pyrene	12.71	202	403591	25.86	ng		99
80) Benzo(a)anthracene	13.89	228	193894	14.85	ng		97
82) Chrysene	13.89	228	193894	15.42	ng		98
87) Benzo(b)fluoranthene	14.91	252	247011	23.59	ng		97
88) Benzo(k)fluoranthene	14.91	252	247011	26.64	ng	#	95
89) Benzo(a)pyrene	15.24	252	125729	13.55	ng		96
90) Dibenzo(a,h)anthracene	16.65	278	15318	2.05	ng	#	79
91) Benzo(g,h,i)perylene	17.05	276	61066	8.45	ng		100

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

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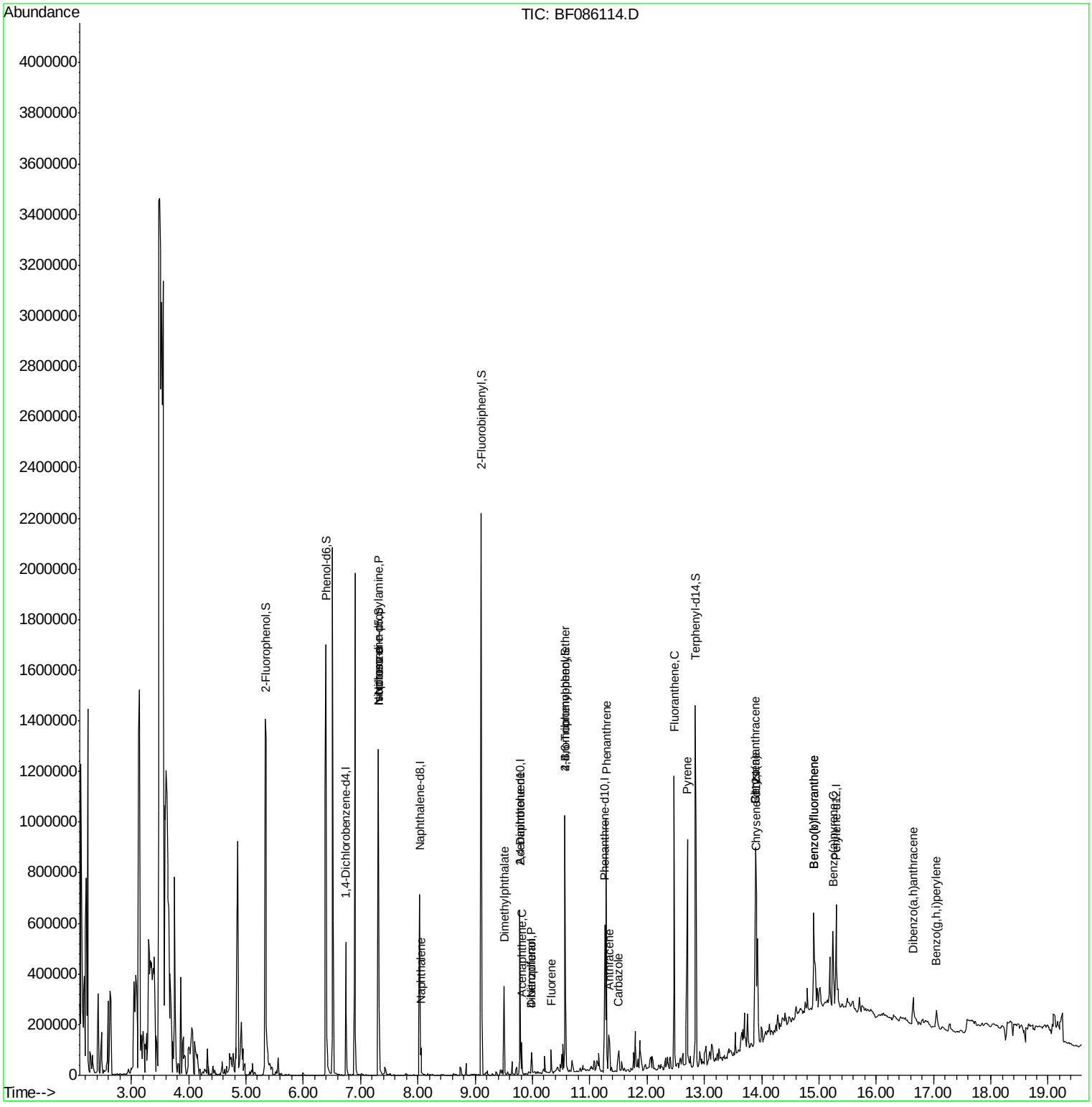
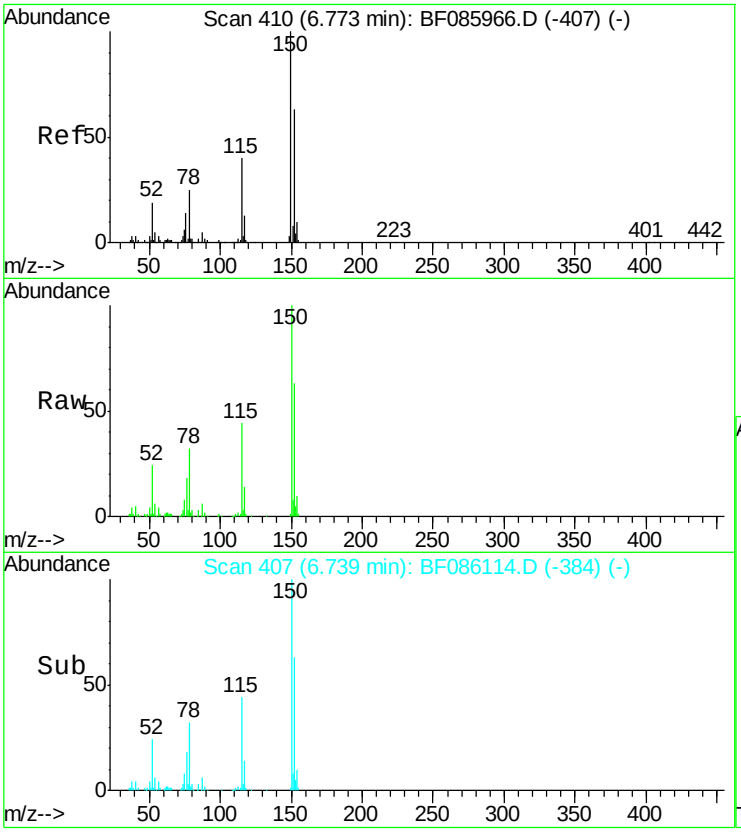


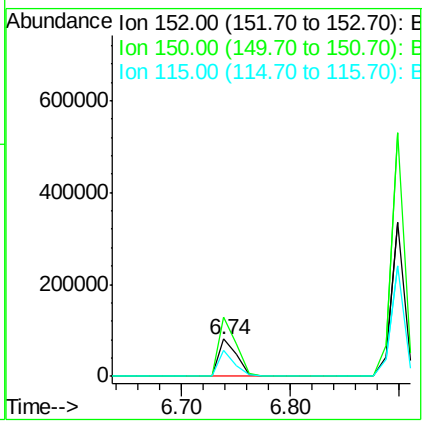


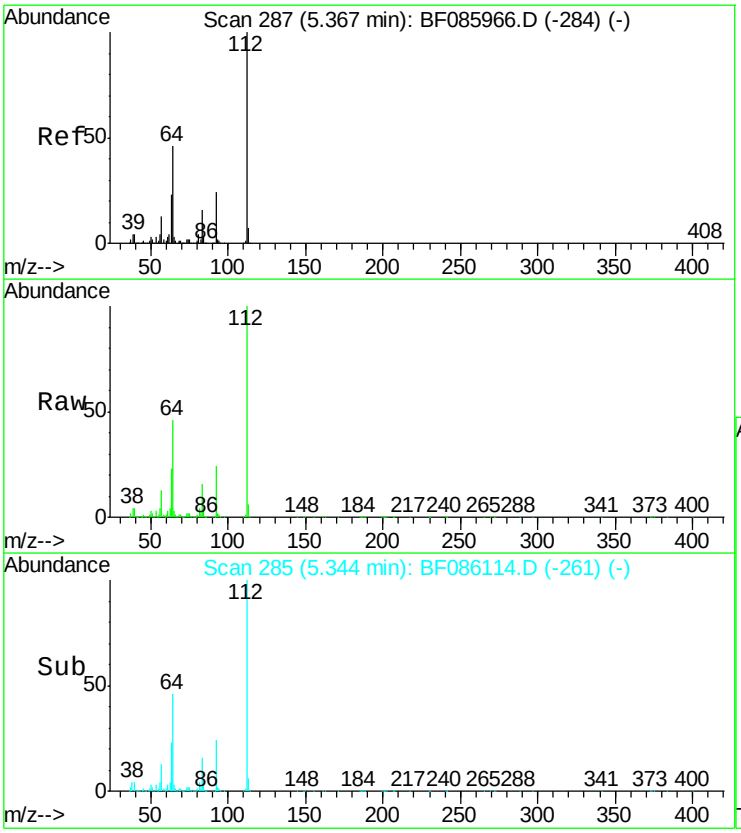
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:152 Resp: 93639

Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.2	186.2
115	70.0	47.0	70.6

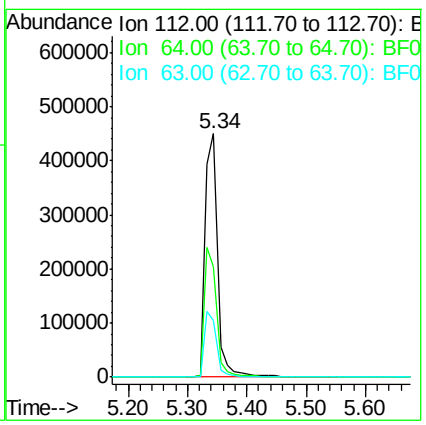


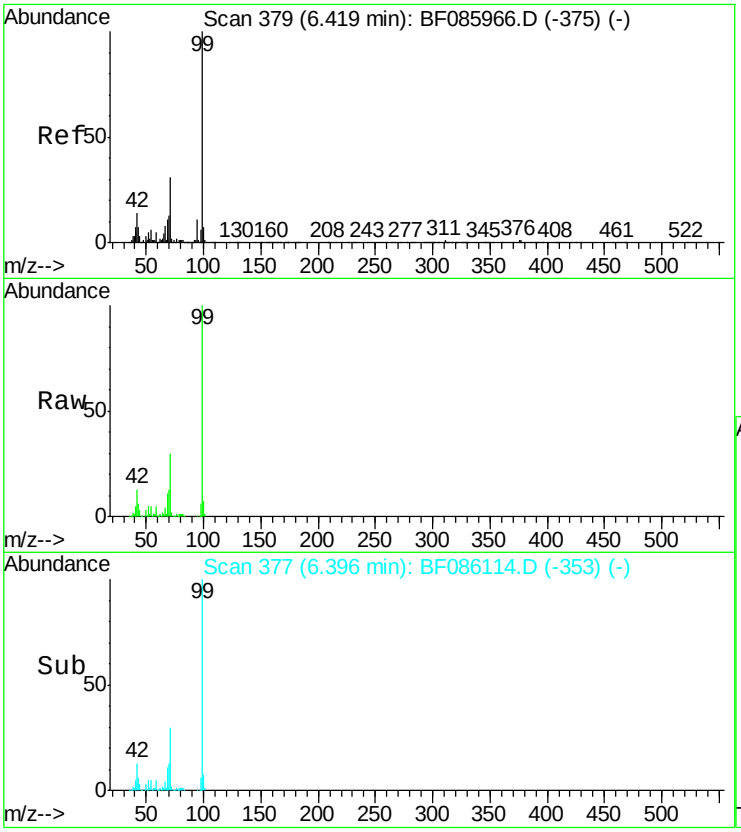


#5
2-Fluorophenol
Concen: 121.15 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:112 Resp: 663680

Ion	Ratio	Lower	Upper
112	100		
64	45.5	39.9	59.9
63	23.1	20.2	30.2



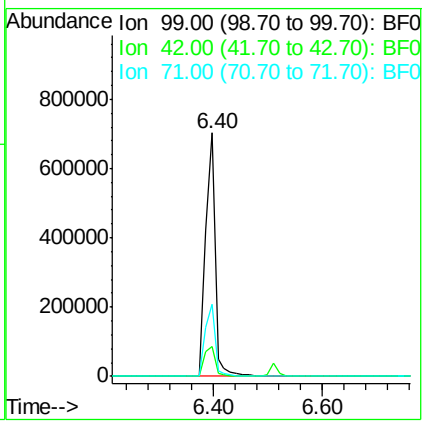


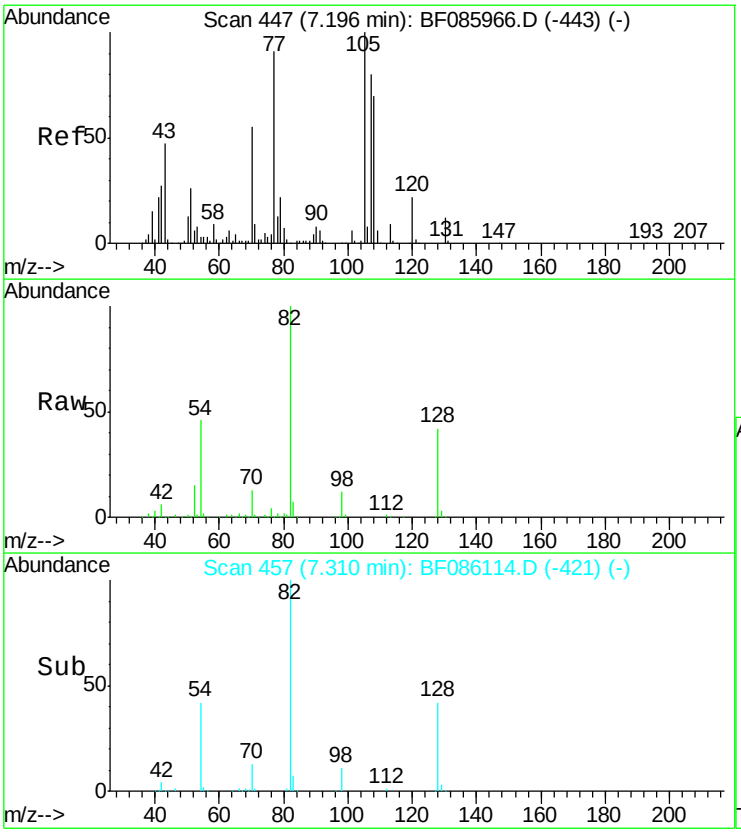
#7
Phenol-d6
Concen: 123.21 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion: 99 Resp: 857366

Ion	Ratio	Lower	Upper
99	100		
42	12.5	11.1	16.7
71	29.8	24.9	37.3

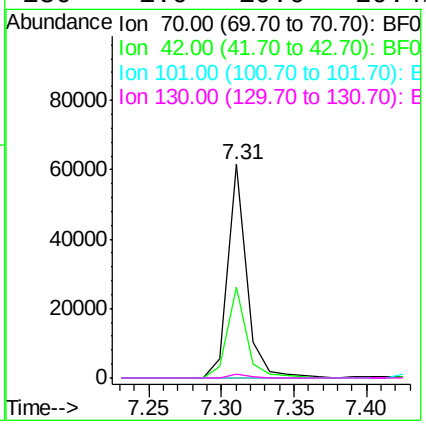


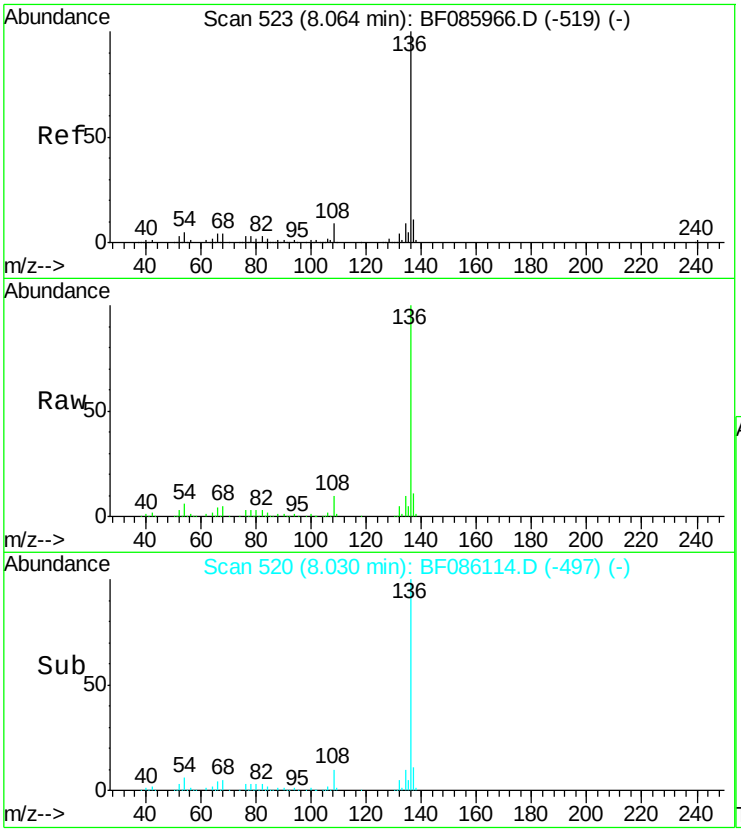


#19
n-Nitroso-di-n-propylamine
Concen: 12.96 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.11 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion: 70 Resp: 55898

Ion	Ratio	Lower	Upper
70	100		
42	42.7	37.1	55.7
101	0.0	8.6	12.8#
130	1.9	19.6	29.4#



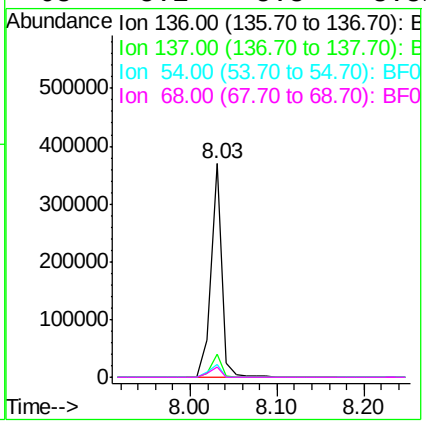


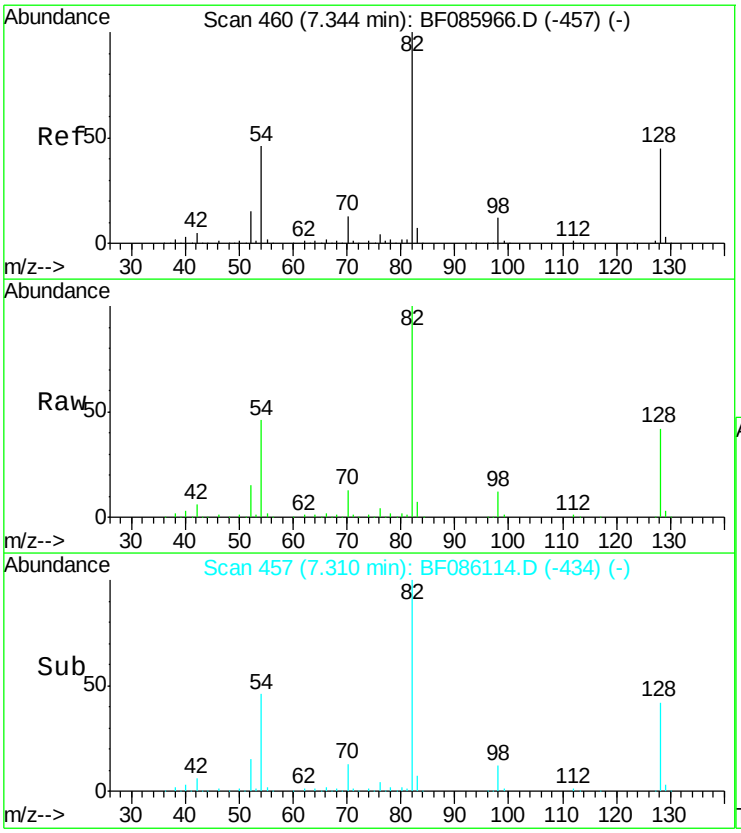
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:136 Resp: 323134

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.7	7.4	11.0#
68	5.1	5.8	8.8#

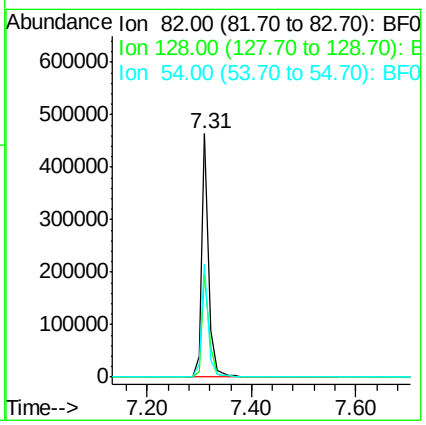


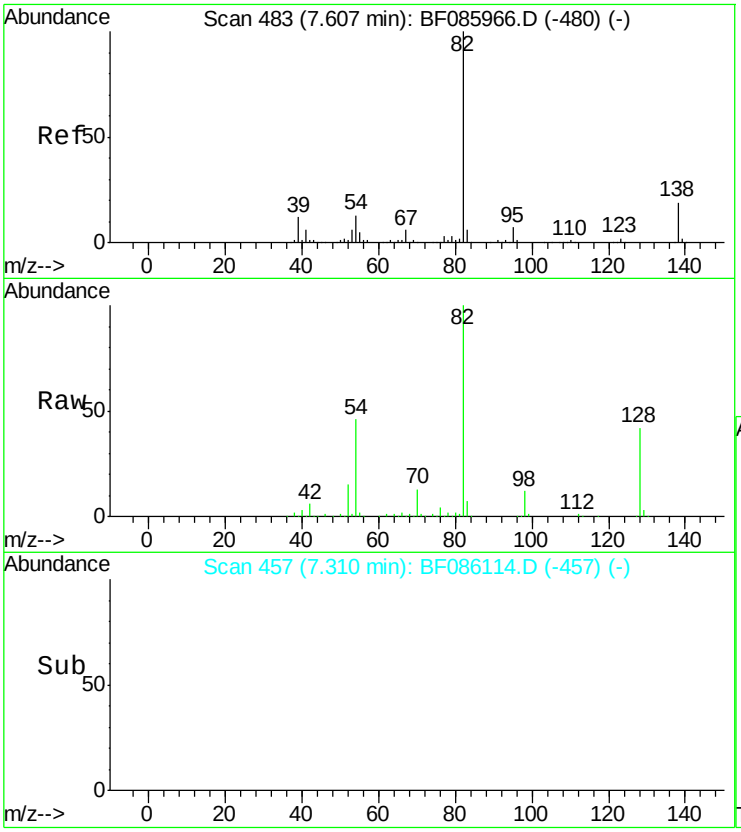


#23
Nitrobenzene-d5
Concen: 79.05 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion: 82 Resp: 433131

Ion	Ratio	Lower	Upper
82	100		
128	42.4	41.8	62.8
54	46.4	33.4	50.0



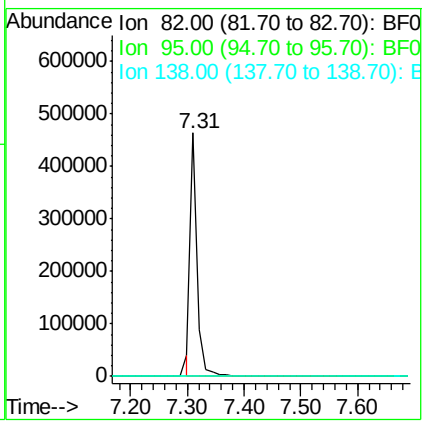


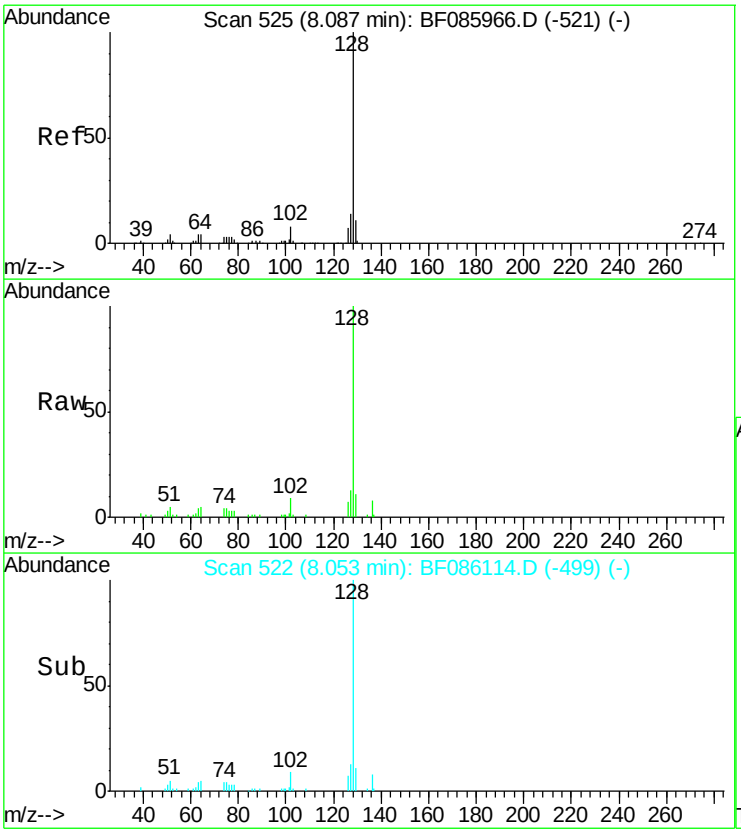
#25
Isophorone
Concen: 37.58 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.30 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion: 82 Resp: 406484

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	12.9	19.3#

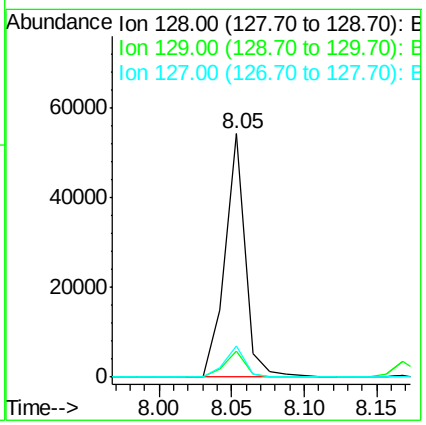


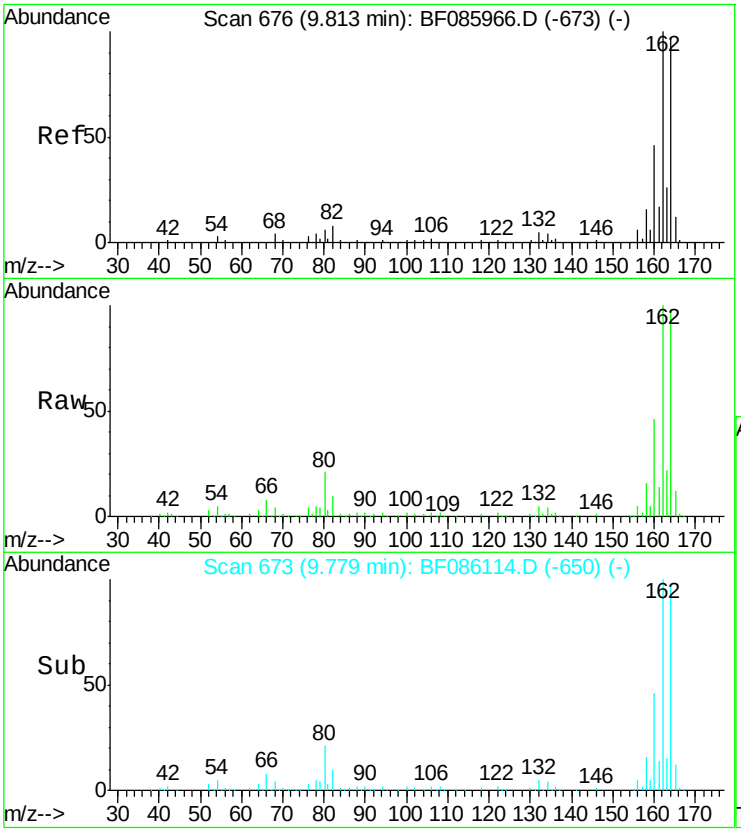


#31
Naphthalene
Concen: 3.24 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:128 Resp: 52587

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	12.5	11.0	16.6



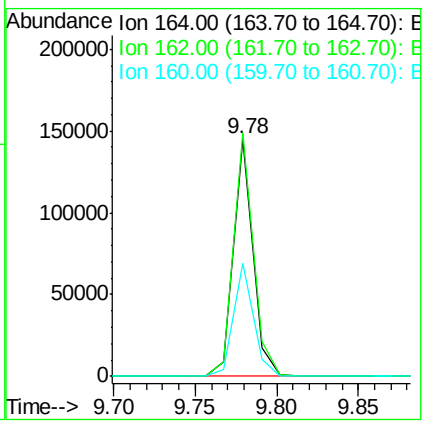


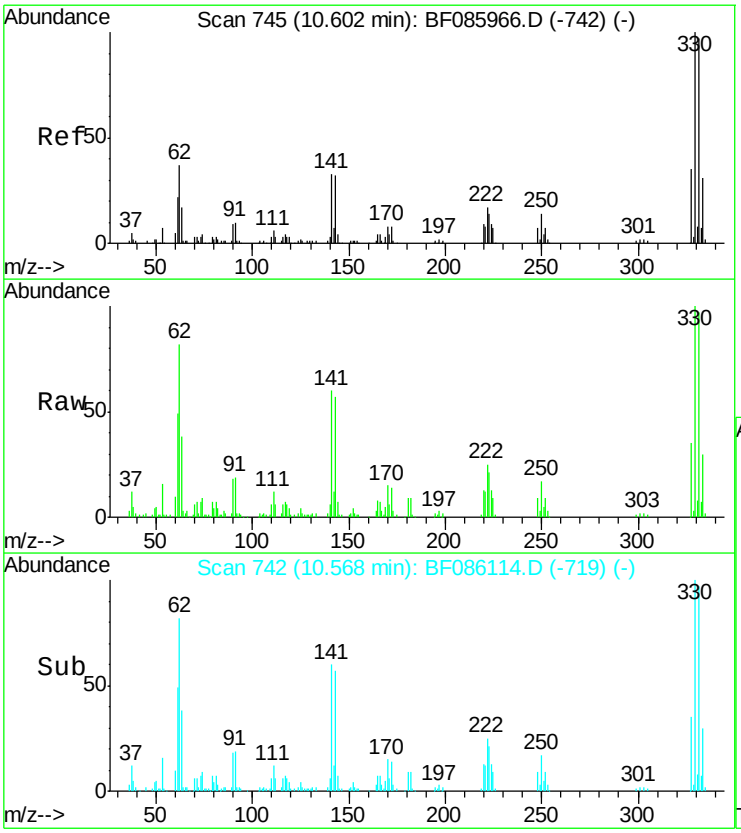
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:164 Resp: 118191

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.1	123.1
160	47.6	37.4	56.2

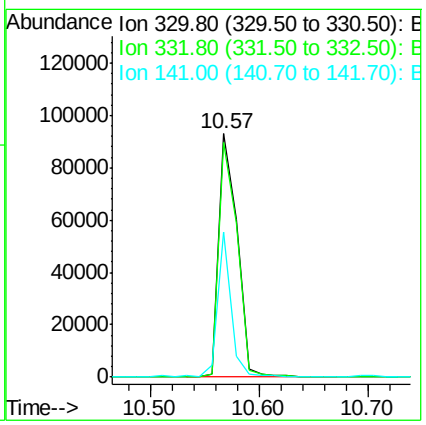


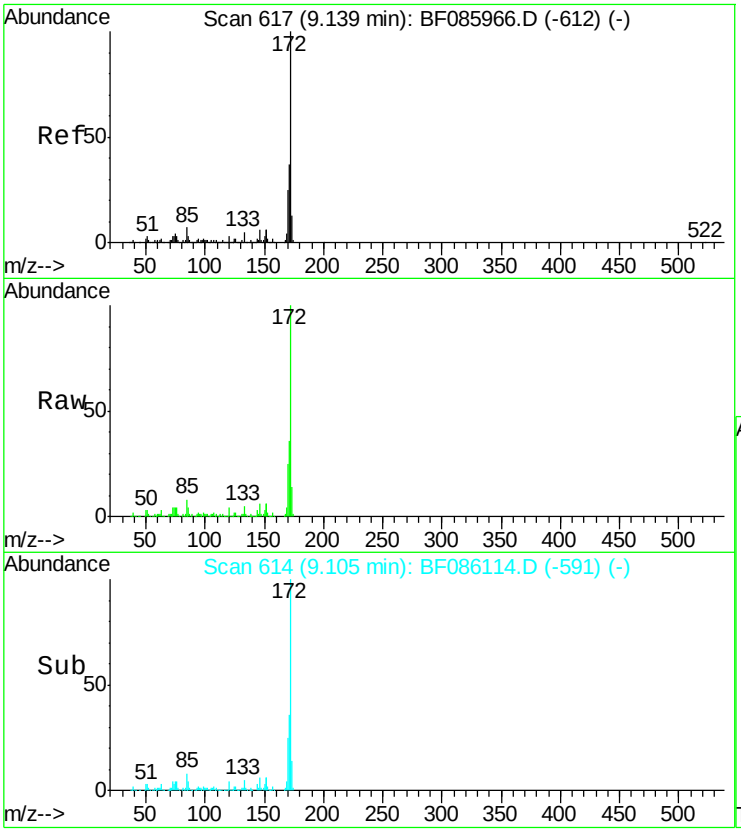


#41
2,4,6-Tribromophenol
Concen: 99.35 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:330 Resp: 110216

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	44.7	31.5	47.3



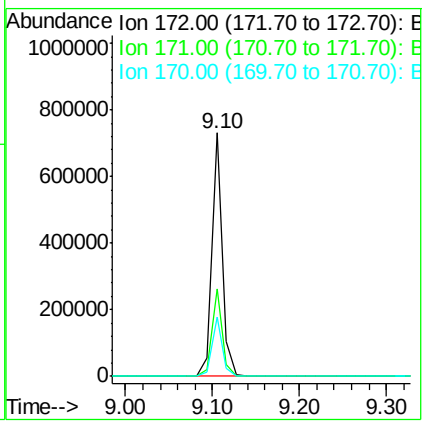


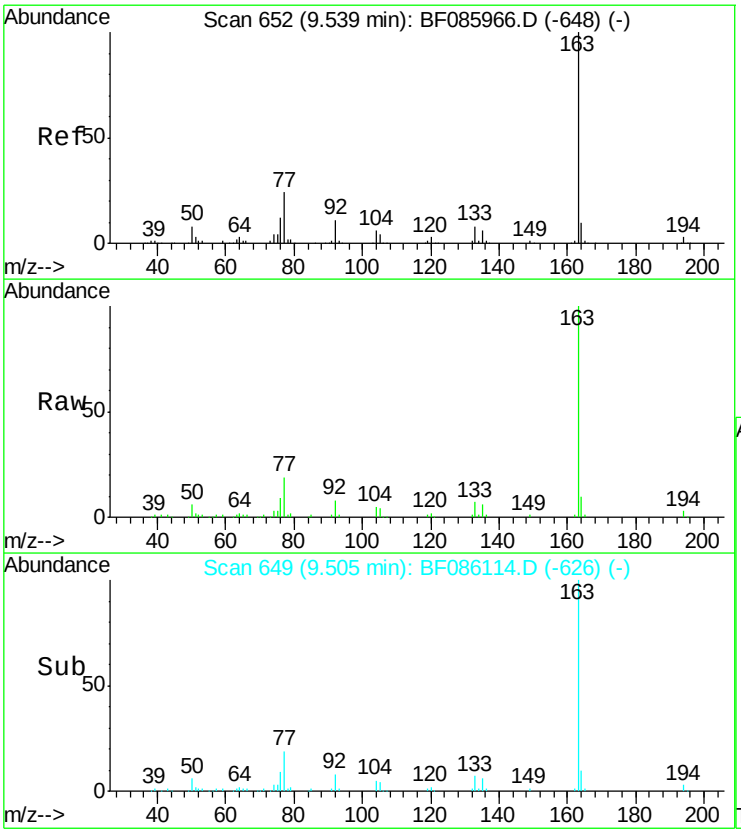
#44
2-Fluorobiphenyl
Concen: 87.29 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:172 Resp: 620478

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.5	19.8	29.6

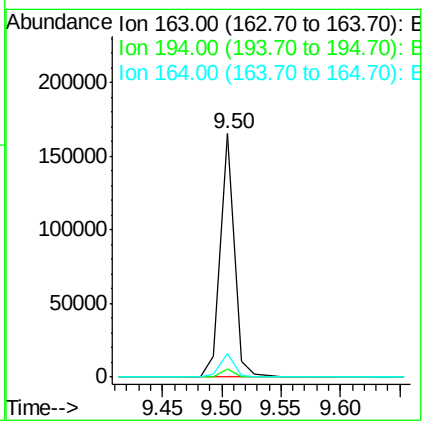


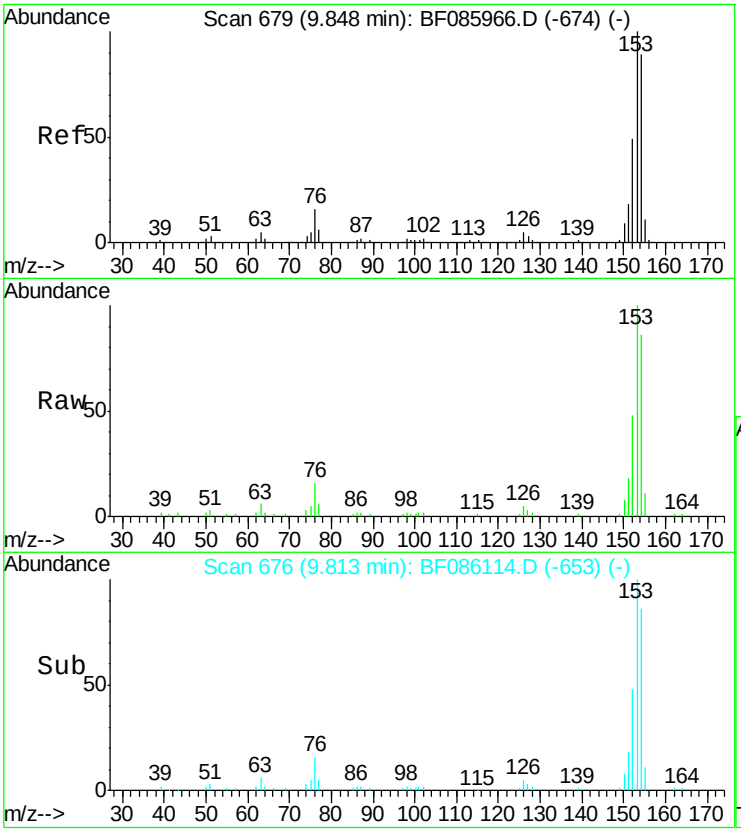


#49
Dimethylphthalate
Concen: 15.21 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:163 Resp: 133242

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	9.9	8.3	12.5



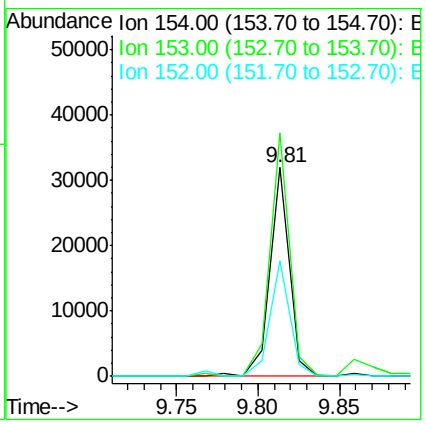


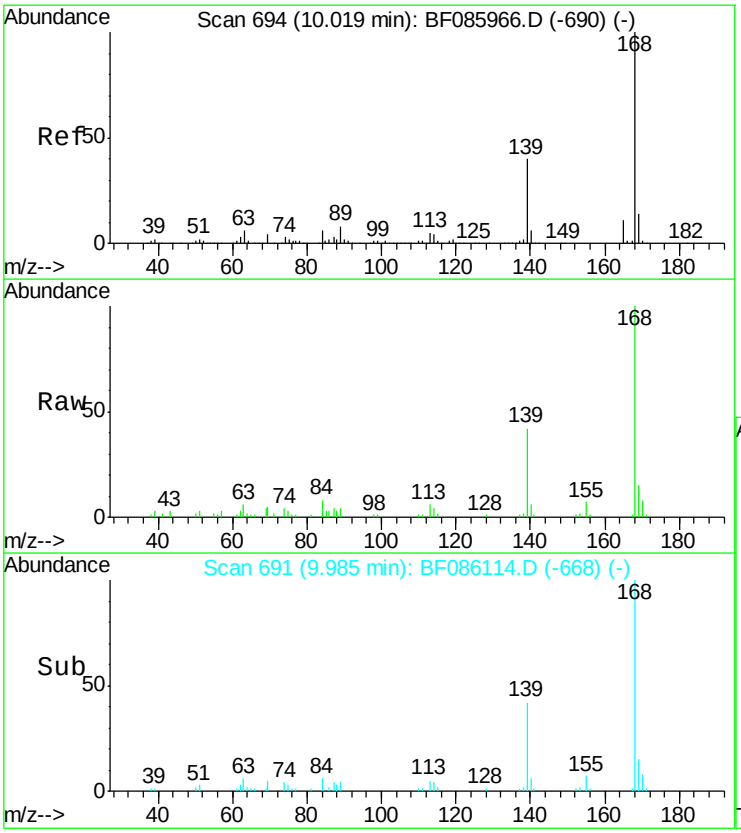
#51
Acenaphthene
Concen: 3.79 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:154 Resp: 26689

Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.1	135.1
152	55.7	44.2	66.2

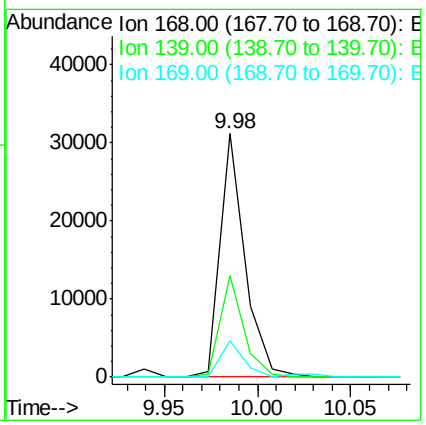


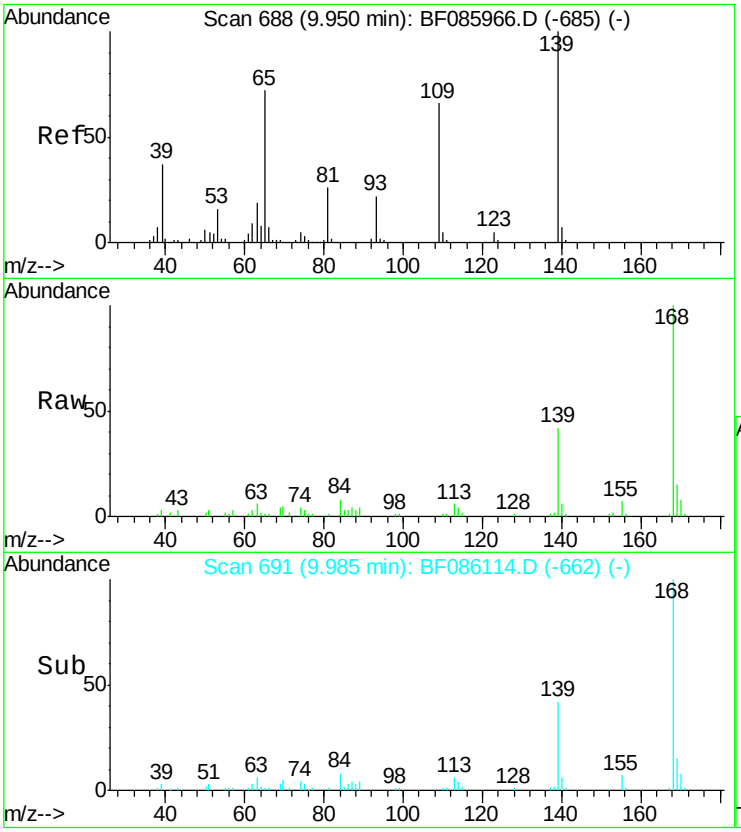


#54
Dibenzofuran
Concen: 3.12 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:168 Resp: 29010

Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.9	47.9
169	15.0	11.0	16.6



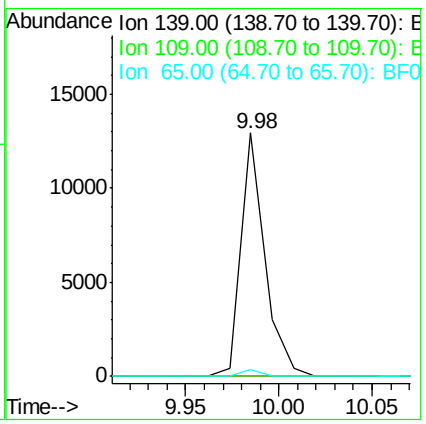


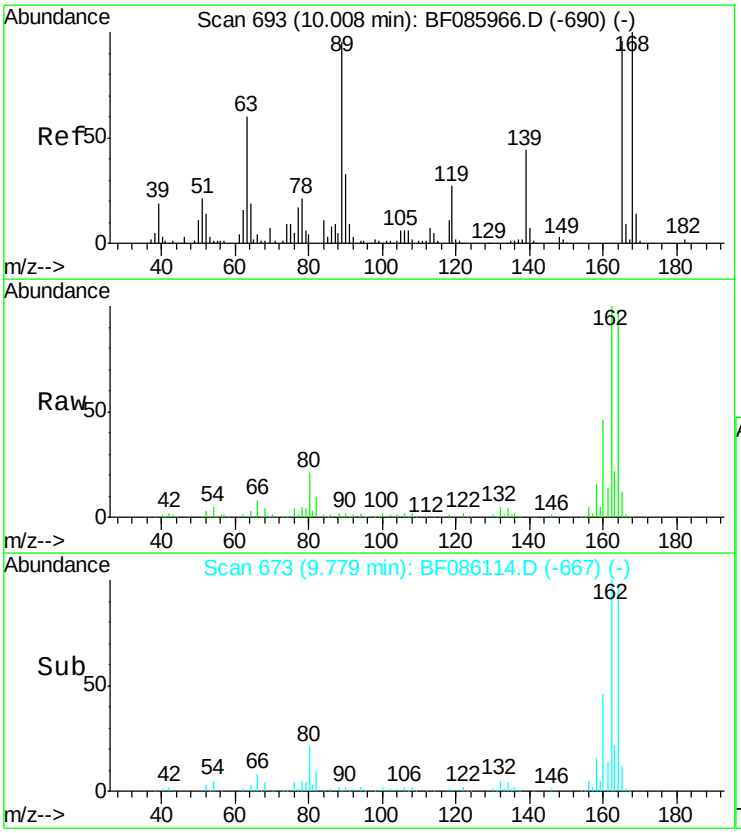
#55
4-Nitrophenol
Concen: 8.75 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:139 Resp: 11524

Ion	Ratio	Lower	Upper
139	100		
109	0.0	49.2	89.2#
65	2.7	66.9	106.9#

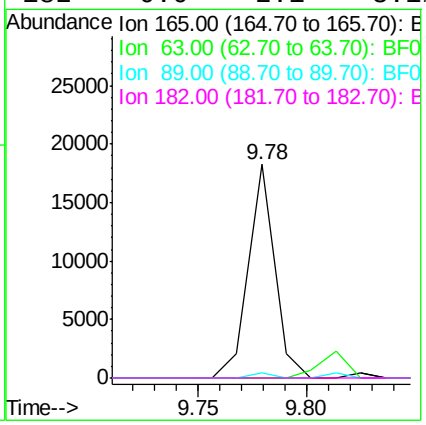


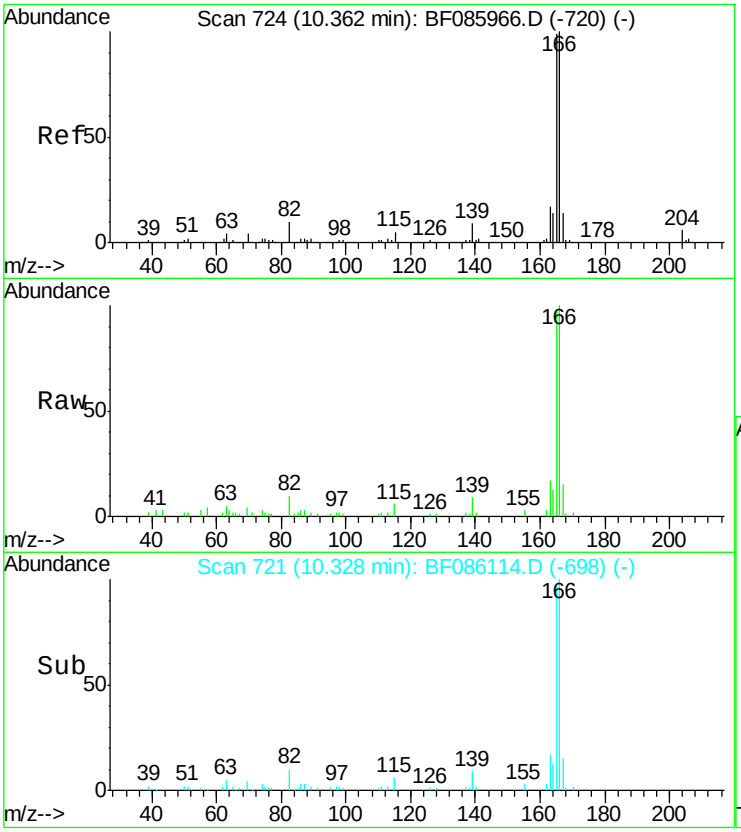


#56
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.23 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:165 Resp: 15417

Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	2.3	41.0	61.6#
182	0.0	2.1	3.1#



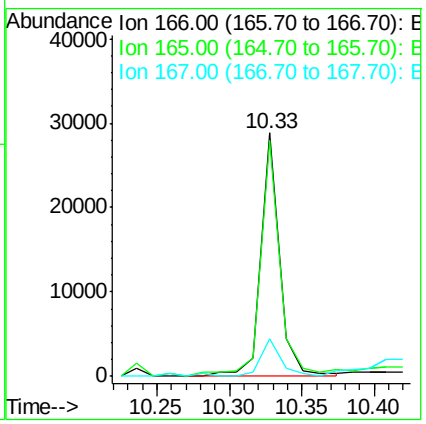


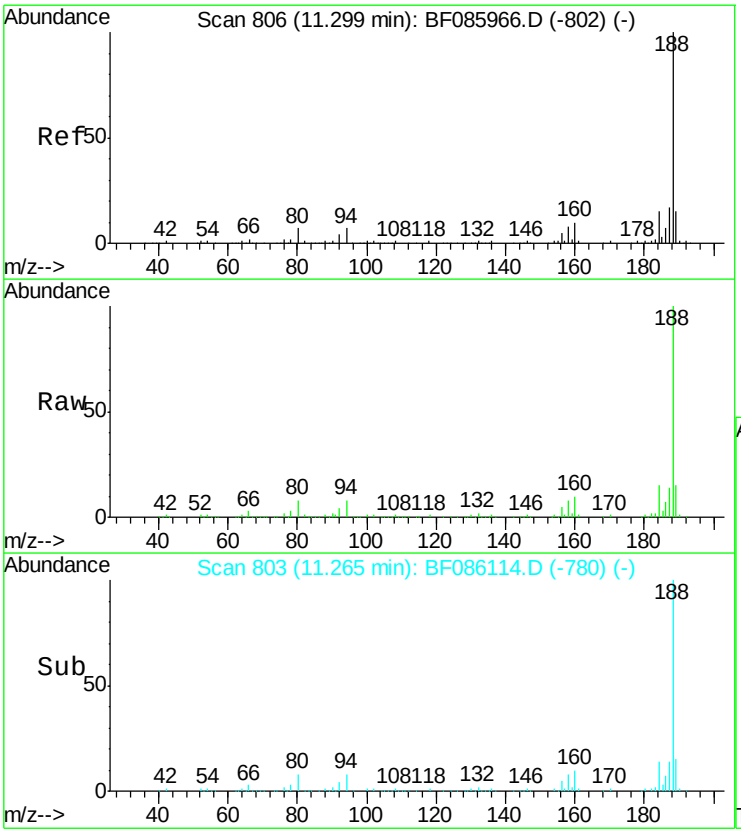
#57
Fluorene
Concen: 3.26 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:166 Resp: 25891

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.4	119.0
167	15.5	11.0	16.4

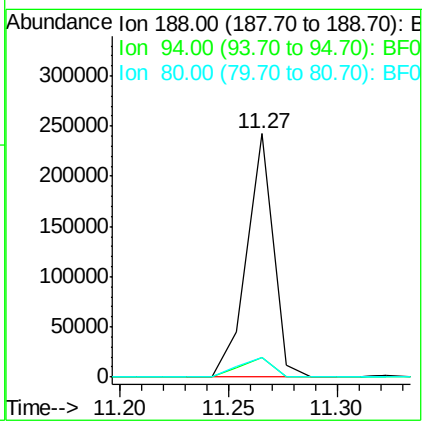


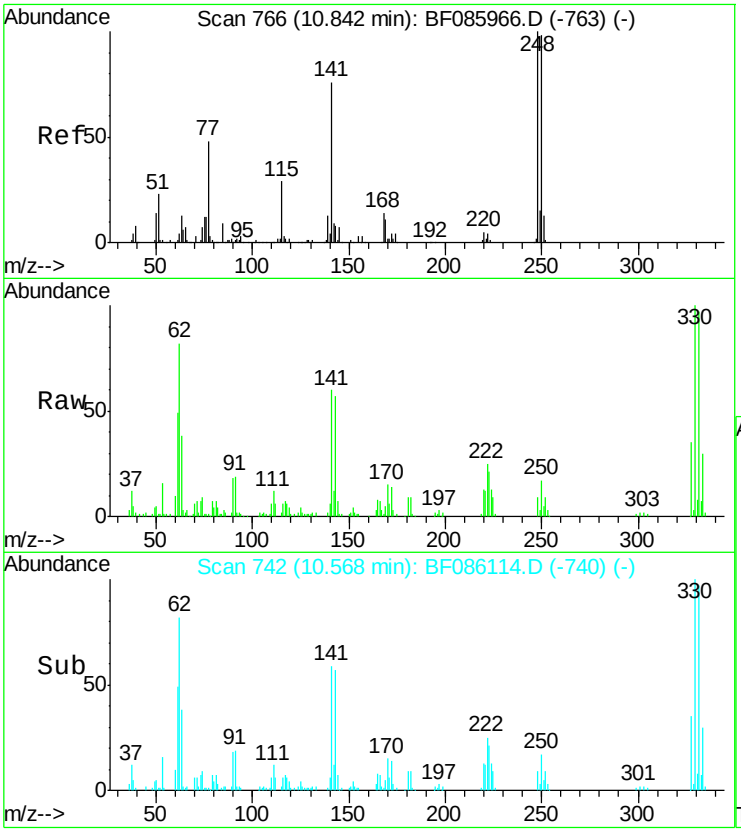


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:188 Resp: 206212

Ion	Ratio	Lower	Upper
188	100		
94	8.2	5.4	8.0#
80	8.2	5.5	8.3



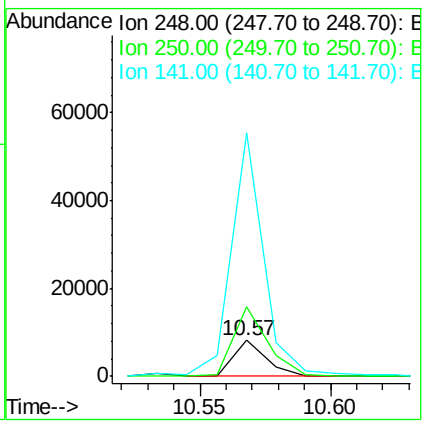


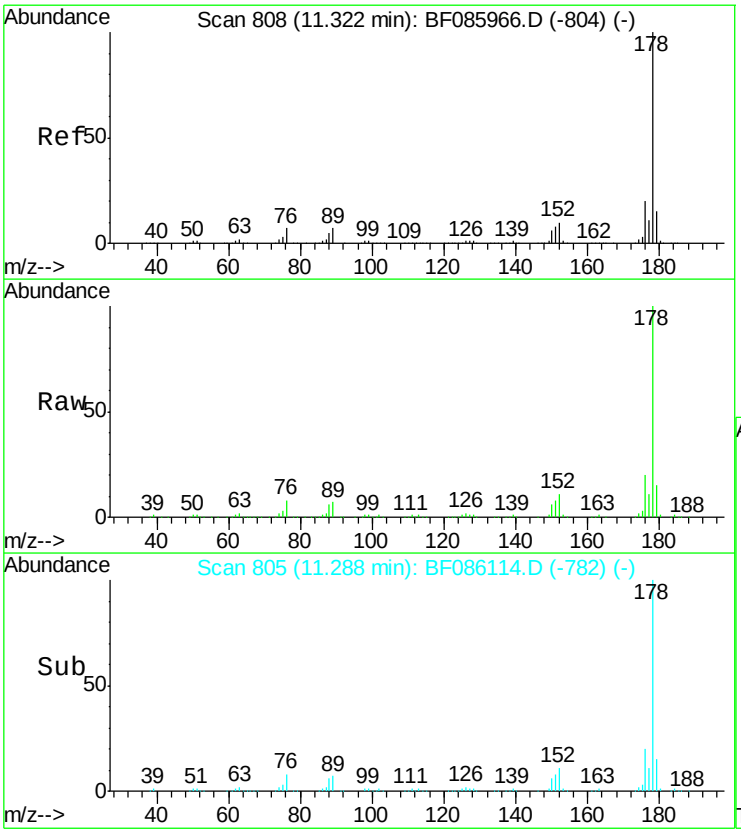
#66
4-Bromophenyl-phenylether
Concen: 3.40 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.27 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:248 Resp: 7156

Ion	Ratio	Lower	Upper
248	100		
250	194.4	77.4	116.0#
141	675.5	63.6	95.4#

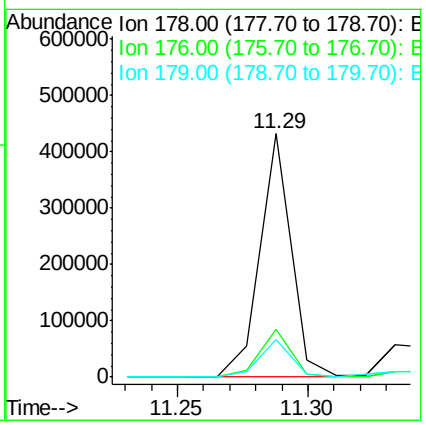


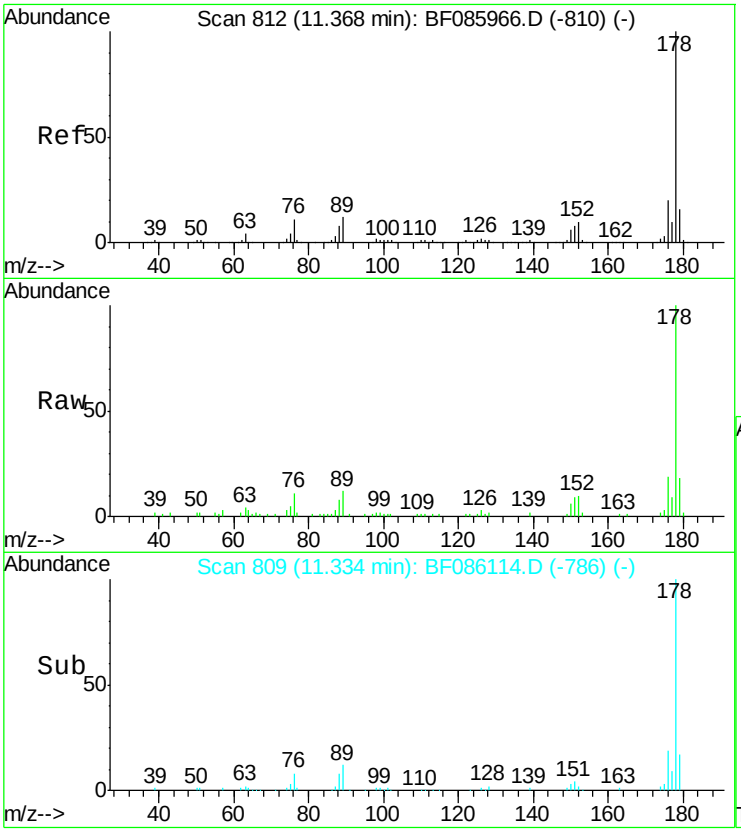


#70
Phenanthrene
Concen: 31.68 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:178 Resp: 356401

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.3	12.6	18.8



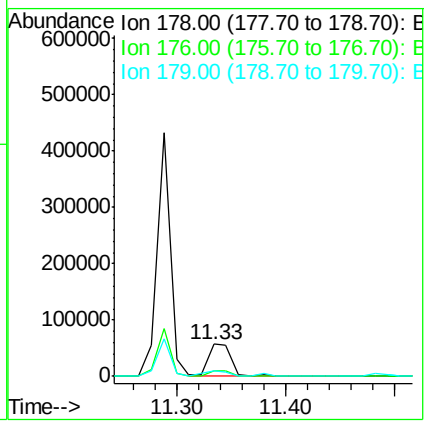


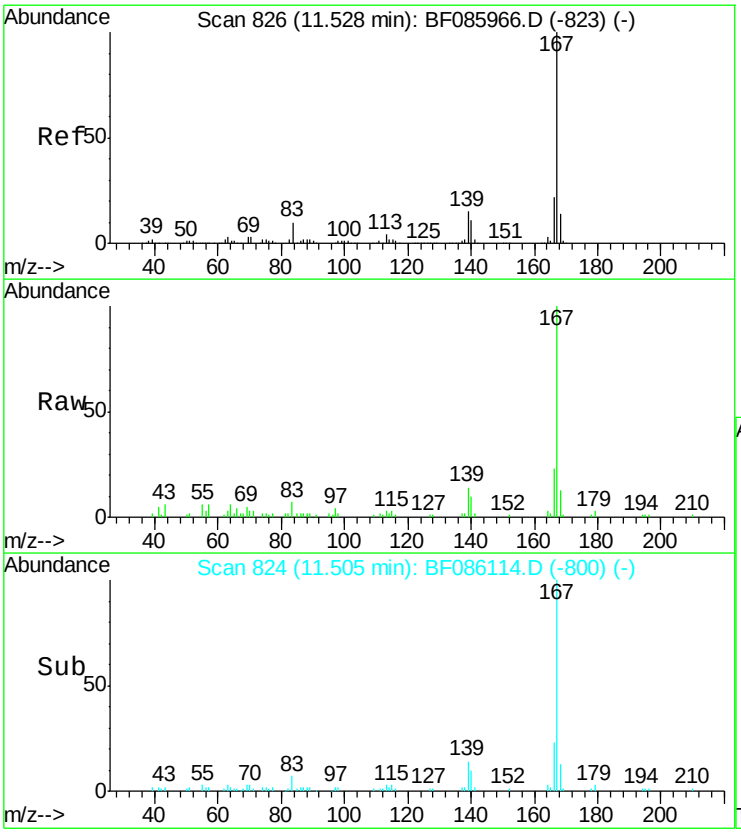
#71
Anthracene
Concen: 7.26 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:178 Resp: 85583

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	17.9	13.0	19.4

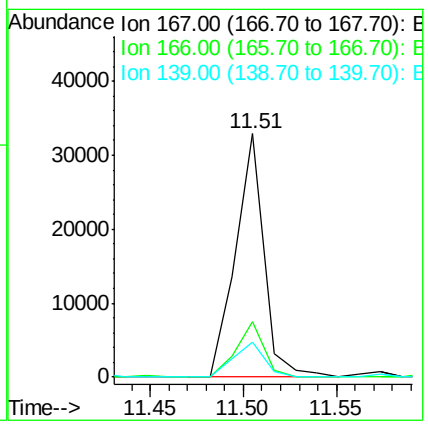


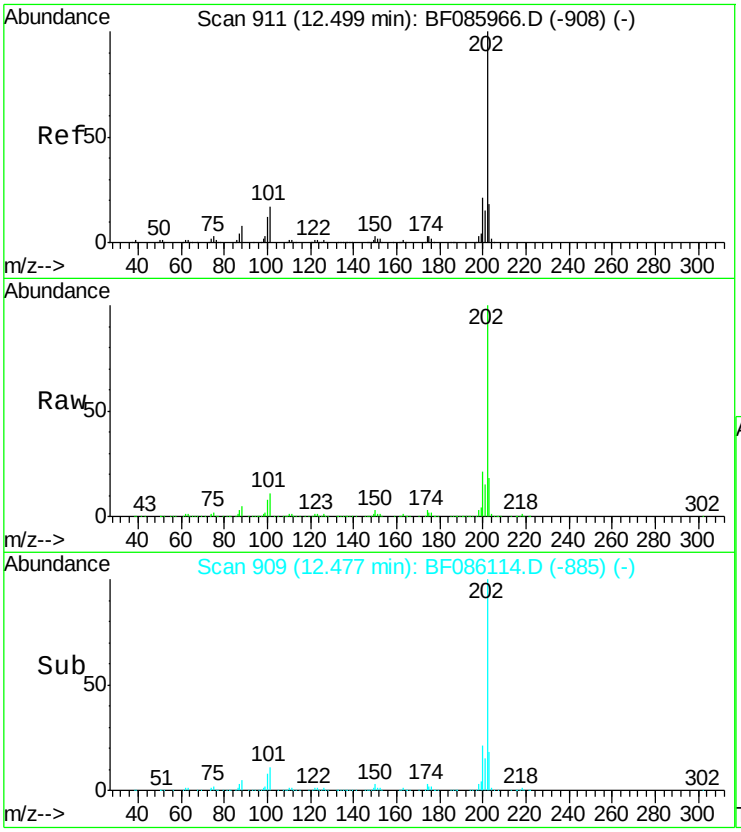


#72
Carbazole
Concen: 3.46 ng
RT: 11.51 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:167 Resp: 35018

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.8
139	14.3	11.6	17.4



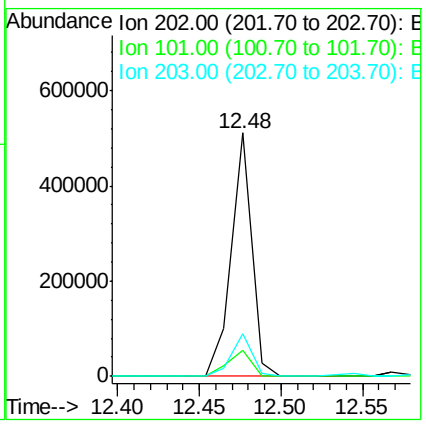


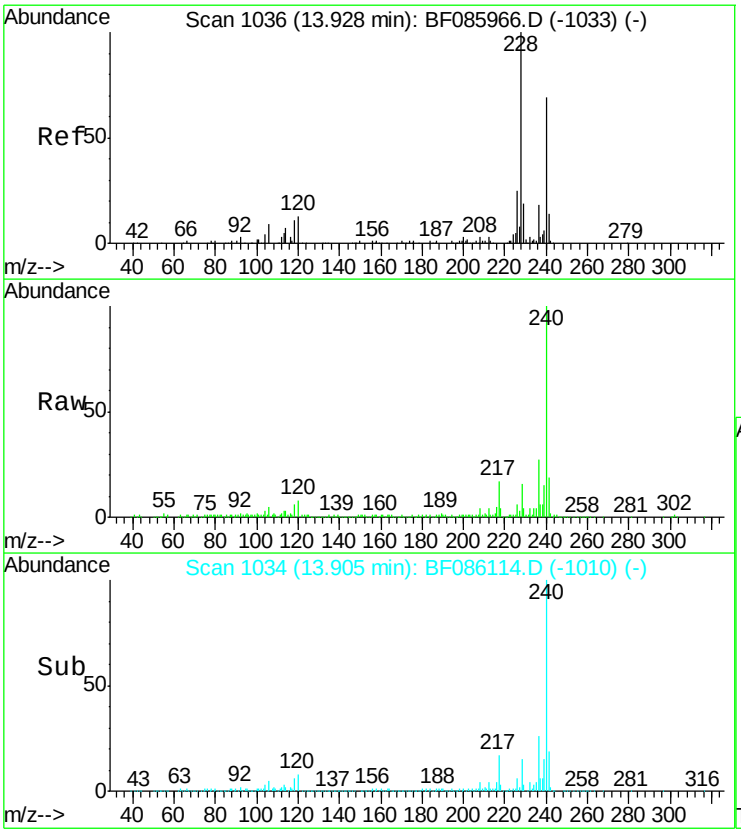
#74
Fluoranthene
Concen: 37.66 ng
RT: 12.48 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:202 Resp: 440703

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	36.6
203	17.6	0.0	38.1

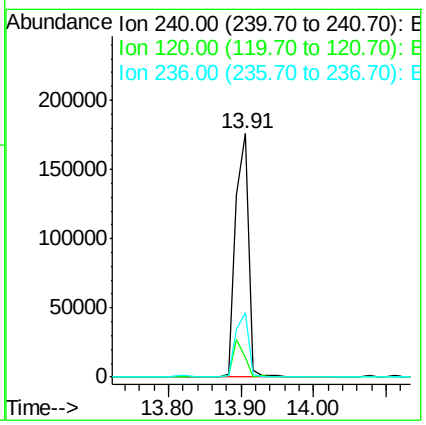


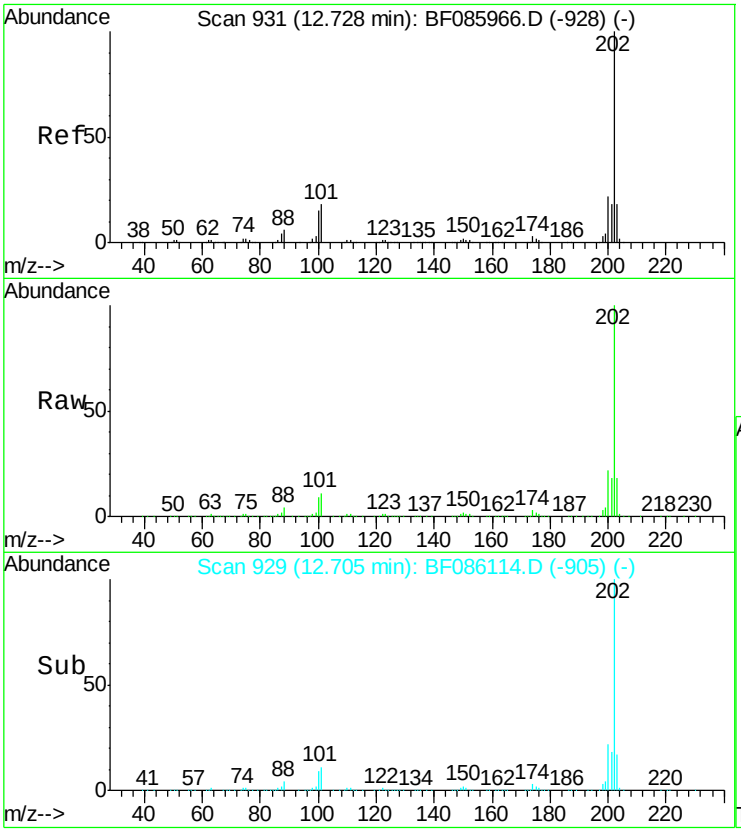


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:240 Resp: 221434

Ion	Ratio	Lower	Upper
240	100		
120	7.9	13.8	20.8#
236	26.5	20.6	30.8



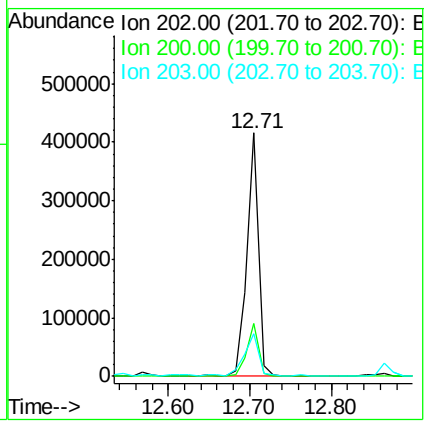


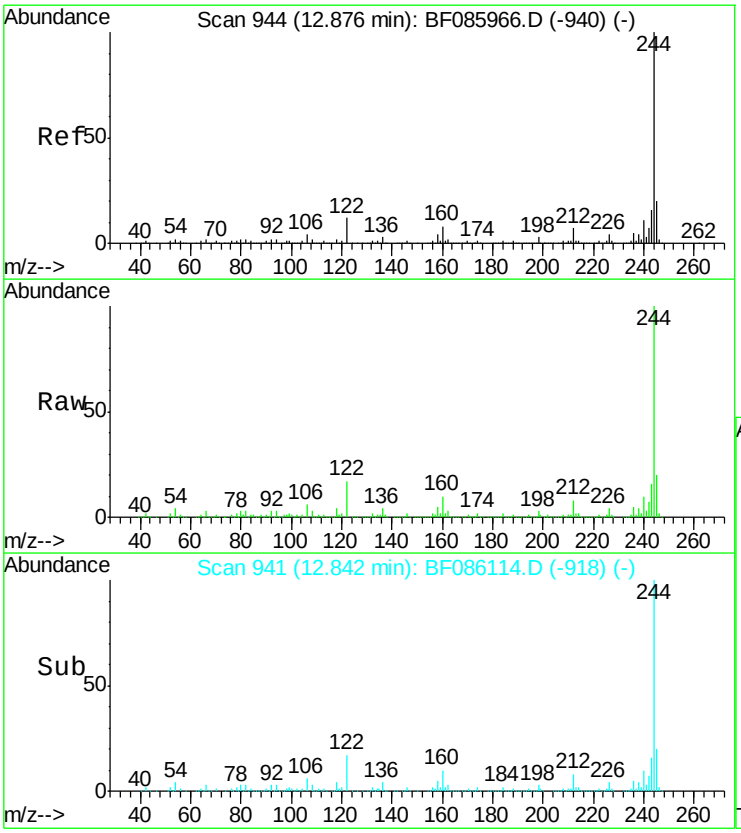
#77
Pyrene
Concen: 25.86 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:202 Resp: 403591

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.6	14.0	21.0

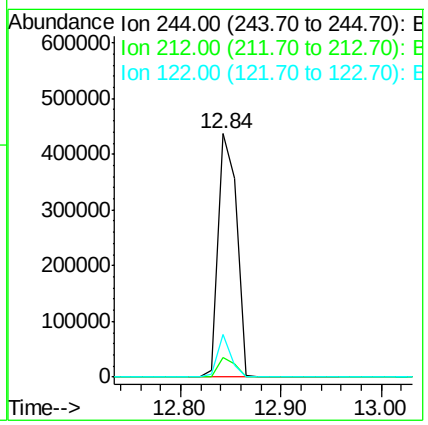


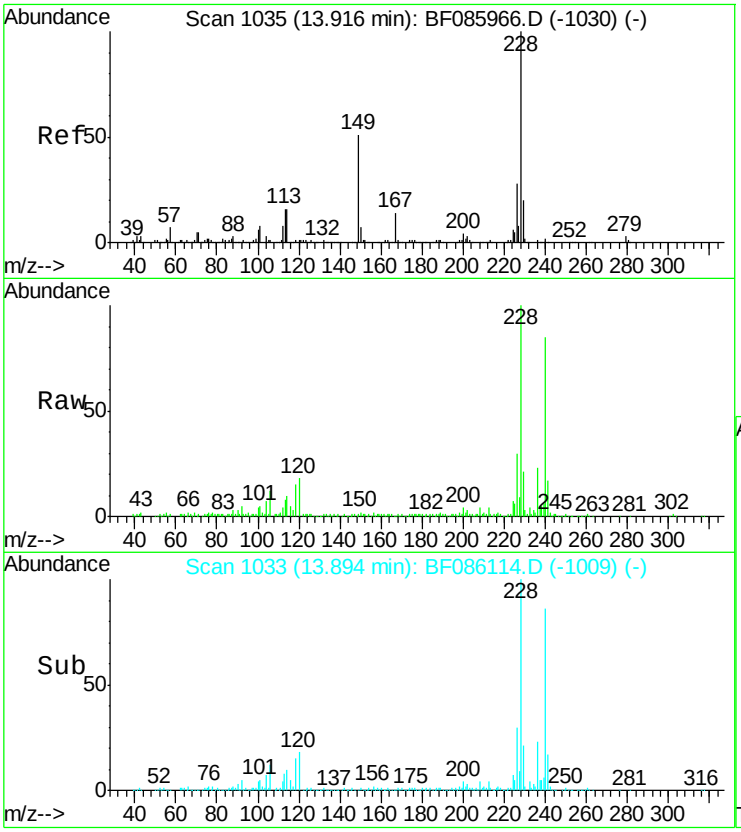


#78
Terphenyl-d14
Concen: 59.21 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:244 Resp: 557742

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	17.4	10.2	15.4#



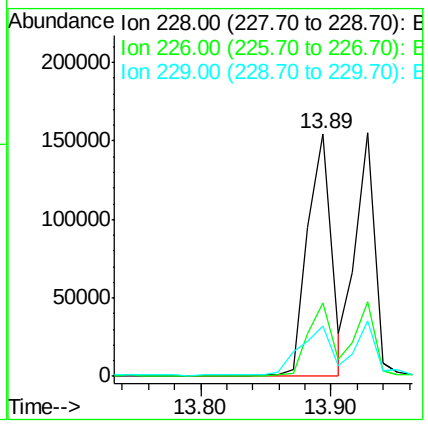


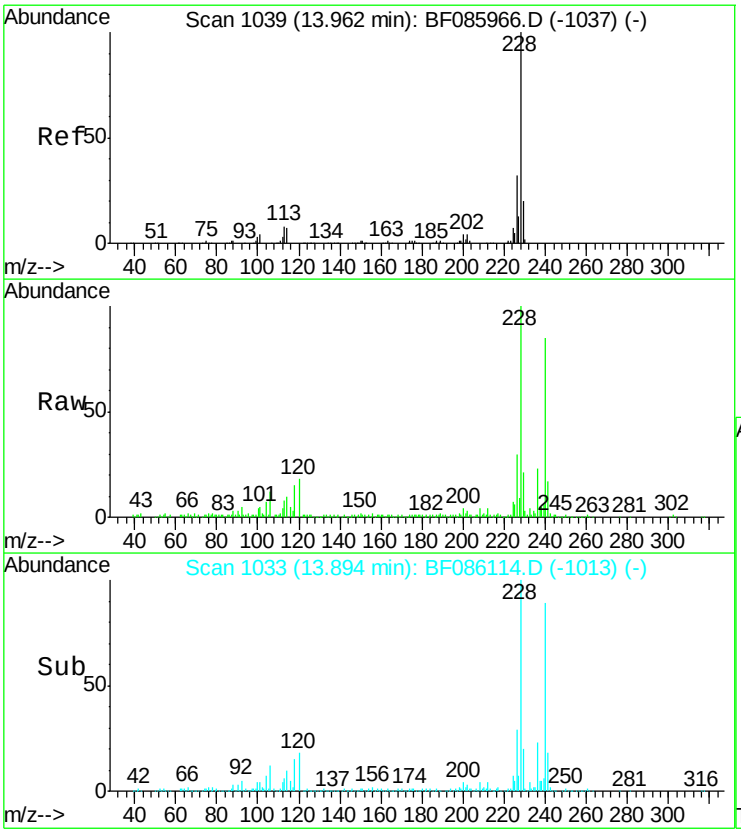
#80
Benzo(a)anthracene
Concen: 14.85 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:228 Resp: 193894

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	21.0	16.2	24.4

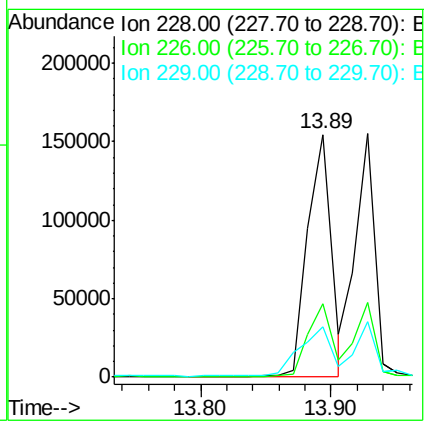


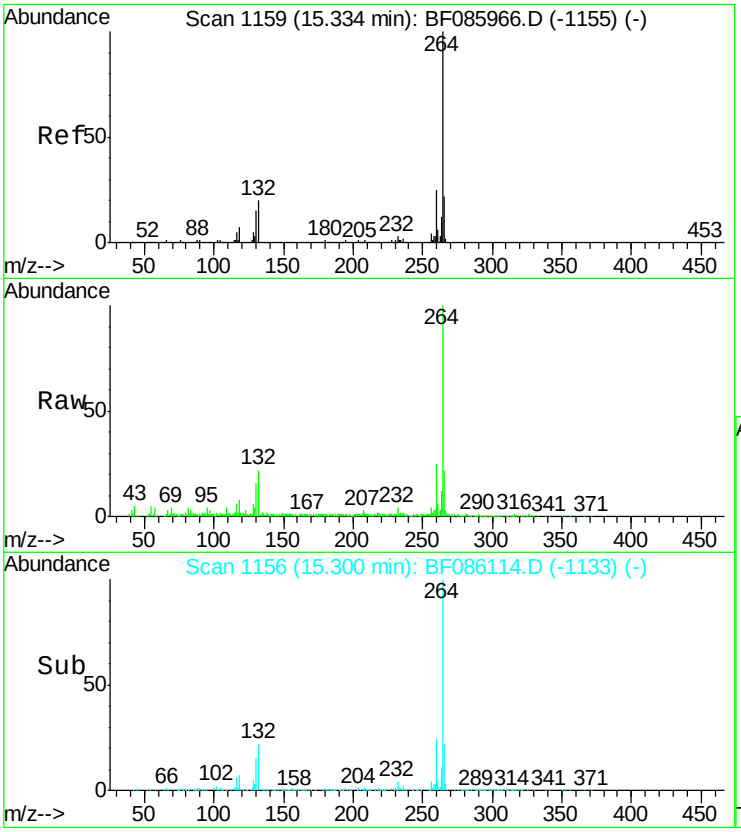


#82
Chrysene
Concen: 15.42 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:228 Resp: 193894

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.0	15.7	23.5



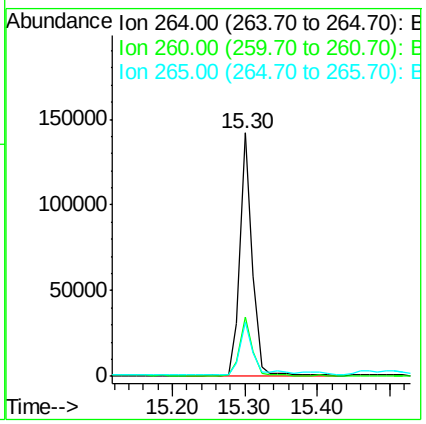


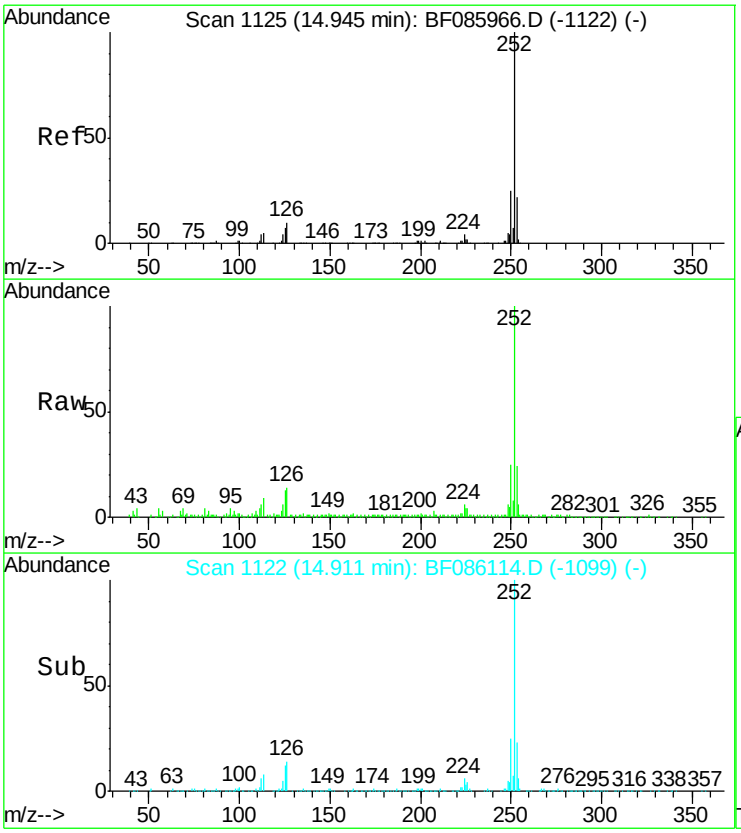
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:264 Resp: 166466

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.0	17.2	25.8

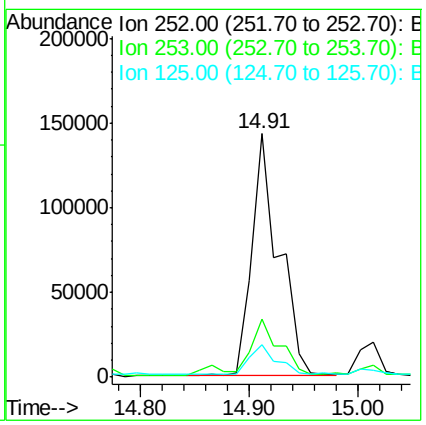


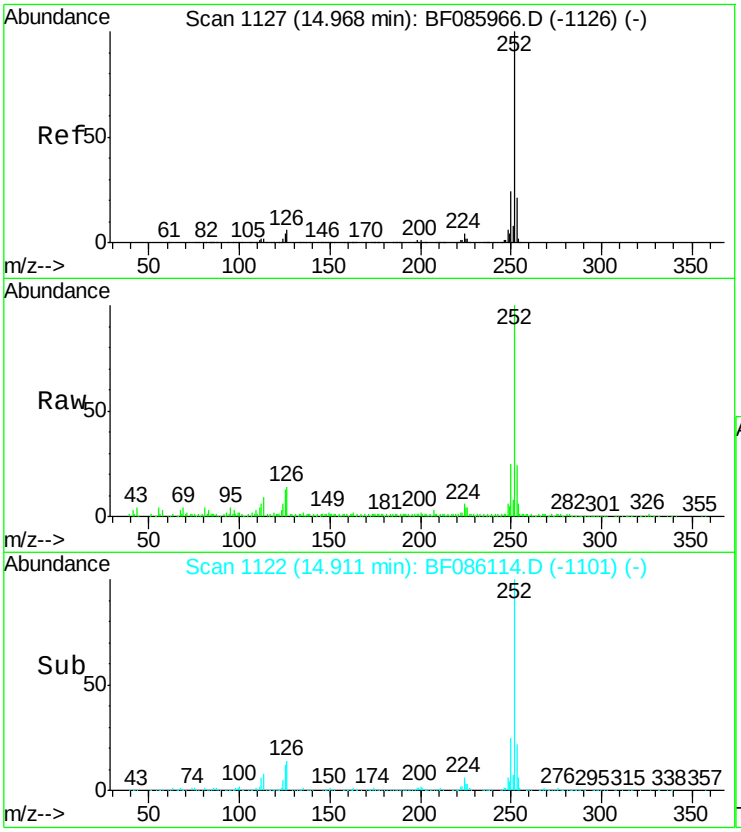


#87
Benzo(b)fluoranthene
Concen: 23.59 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:252 Resp: 247011

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	13.1	10.3	15.5



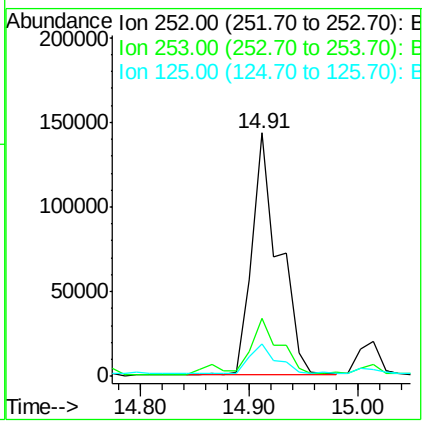


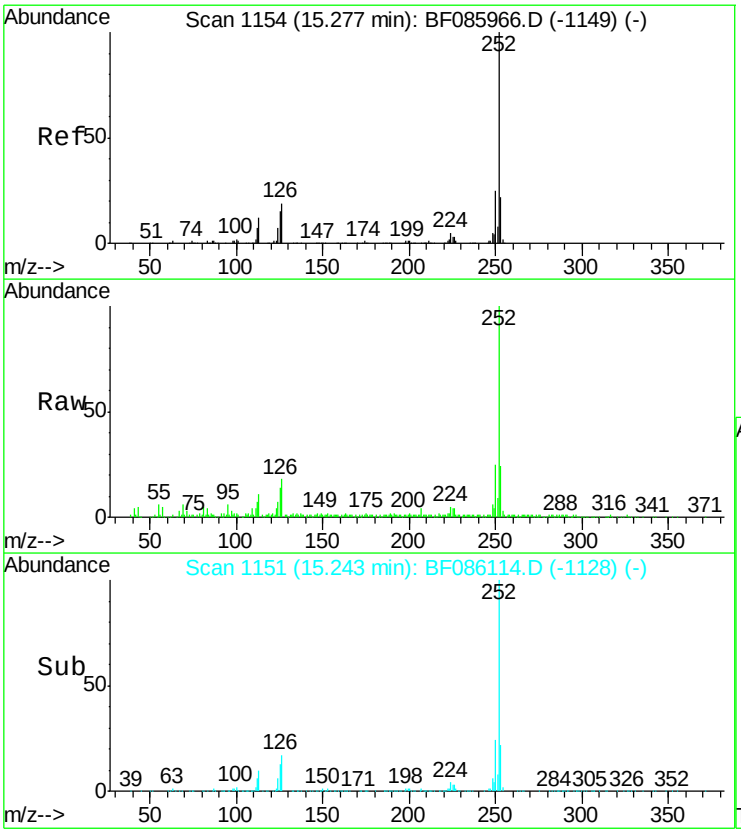
#88
Benzo(k)fluoranthene
Concen: 26.64 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:252 Resp: 247011

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	13.1	7.7	11.5#

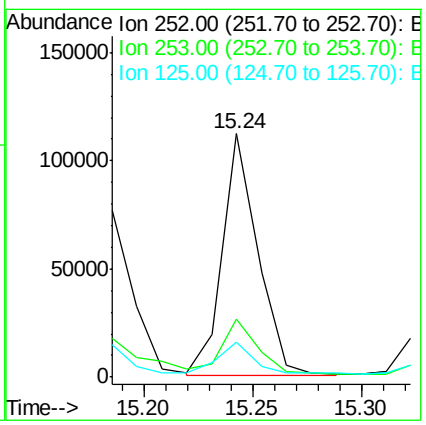


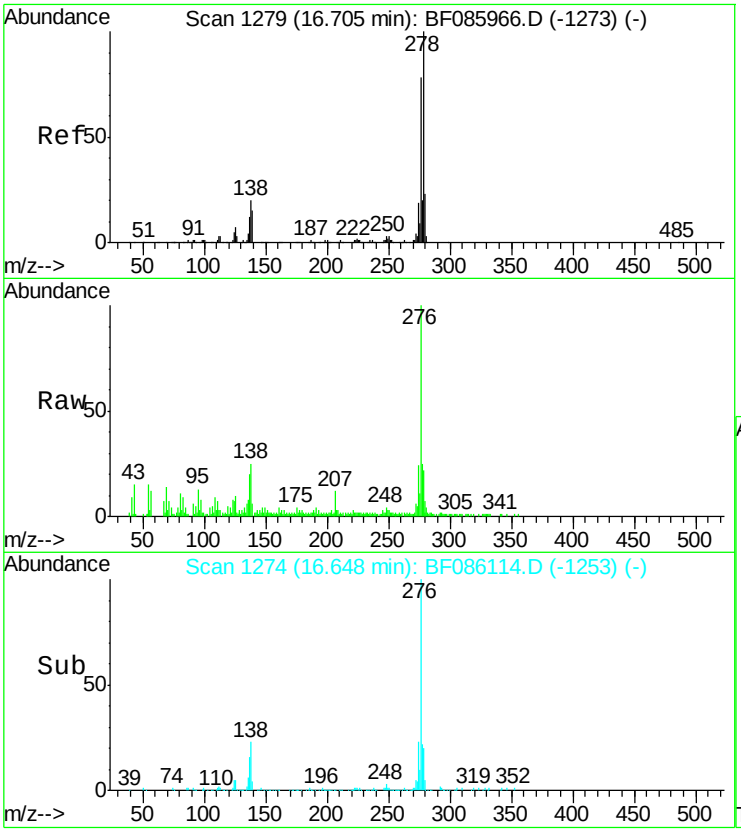


#89
Benzo(a)pyrene
Concen: 13.55 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:252 Resp: 125729

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	14.3	10.3	15.5



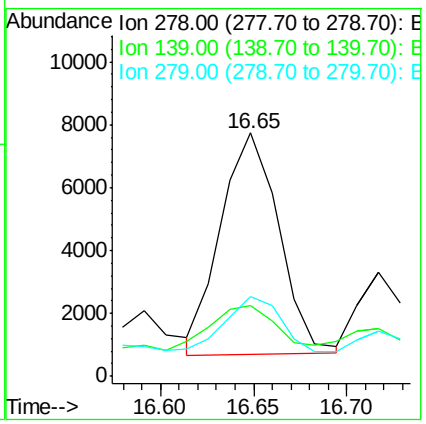


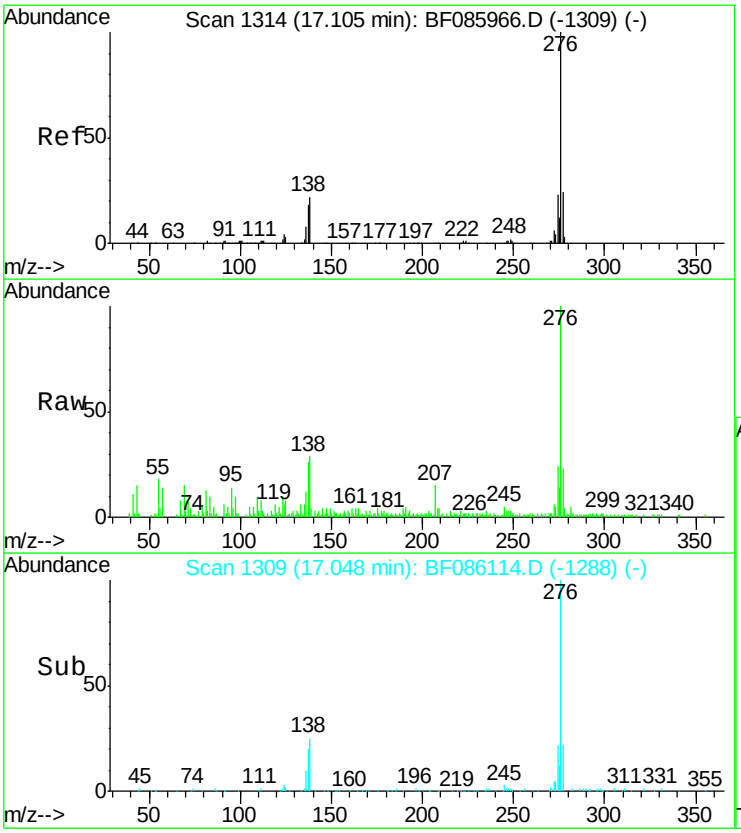
#90
Dibenzo(a,h)anthracene
Concen: 2.05 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.06 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion:278 Resp: 15318

Ion	Ratio	Lower	Upper
278	100		
139	29.2	14.4	21.6#
279	32.7	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 8.45 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion:276 Resp: 61066

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	28.5	22.6	34.0