Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086810.D
Acq On : 8 May 2016 8:38
Operator : UM/SJ
Sample : H2662-02DL 100X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-B1COMPDL2

Quant Time: May 09 00:57:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	162408	40.00	ng		-0.03
21) Naphthalene-d8	7.98	136	666712	40.00	ng		-0.05
38) Acenaphthene-d10	9.73	164	282297	40.00	ng		-0.05
63) Phenanthrene-d10	11.22	188	486567	40.00	ng		-0.03
75) Chrysene-d12	13.85	240	335463	40.00	ng		-0.03
86) Perylene-d12	15.22	264	297052	40.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	11753	1.20	ng		0.00
7) Phenol-d6	6.38	99	20619	1.56	ng		0.01
23) Nitrobenzene-d5	7.28	82	13170	1.02	ng		-0.03
41) 2,4,6-Tribromophenol	10.53	330	3577	1.30	ng		-0.03
44) 2-Fluorobiphenyl	9.07	172	24764	1.44	ng		-0.03
78) Terphenyl-d14	12.80	244	18283	1.10	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	8.02	128	1941375	56.99	ng		100
33) 4-Chloroaniline	8.02	127	261328	19.80	ng	#	36
37) 2-Methylnaphthalene	8.70	142	486466	24.21	ng		98
45) 1,1'-Biphenyl	9.16	154	67741	2.94	ng		95
48) Acenaphthylene	9.60	152	81991	3.10	ng	#	92
50) 2,6-Dinitrotoluene	9.73	165	42668	9.45	ng	#	22
51) Acenaphthene	9.77	154	216741	12.43	ng		98
57) Fluorene	10.28	166	170511	9.73	ng		98
70) Phenanthrene	11.24	178	560896	21.46	ng		100
71) Anthracene	11.29	178	156618	5.72	ng		99
74) Fluoranthene	12.42	202	164979	6.30	ng		97
76) Benzidine	12.80	184	256	7.12	ng	#	64
77) Pyrene	12.65	202	228942	8.56	ng		99
80) Benzo(a)anthracene	13.84	228	74400	3.92	ng	#	78
82) Chrysene	13.84	228	74400	3.68	ng	#	81
87) Benzo(b)fluoranthene	14.84	252	49236	2.76	ng		97
88) Benzo(k)fluoranthene	14.84	252	49236	2.93	ng	#	94
89) Benzo(a)pyrene	15.17	252	42782	2.60	ng		96

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

Quantitation Report (Not Reviewed)

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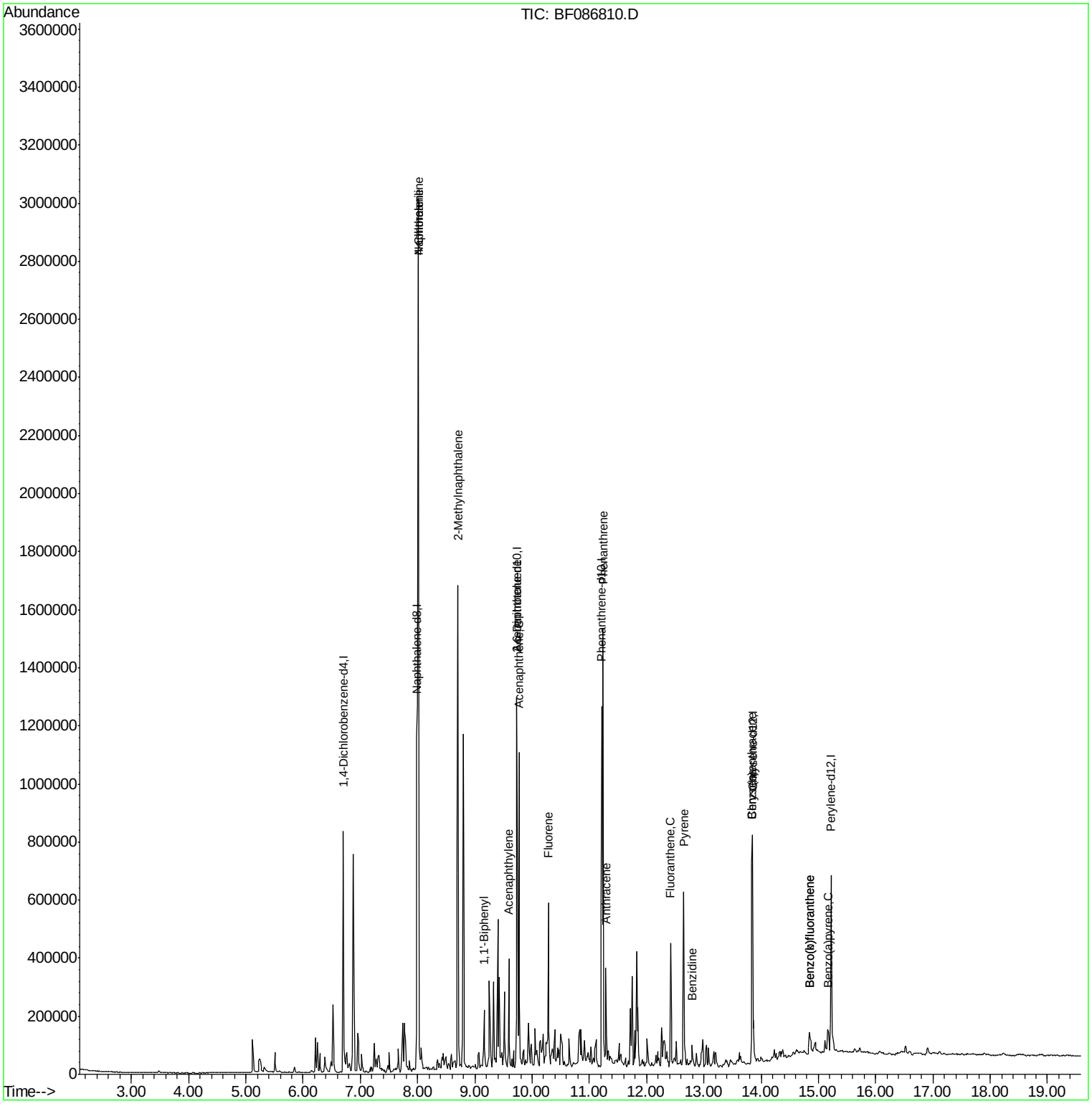
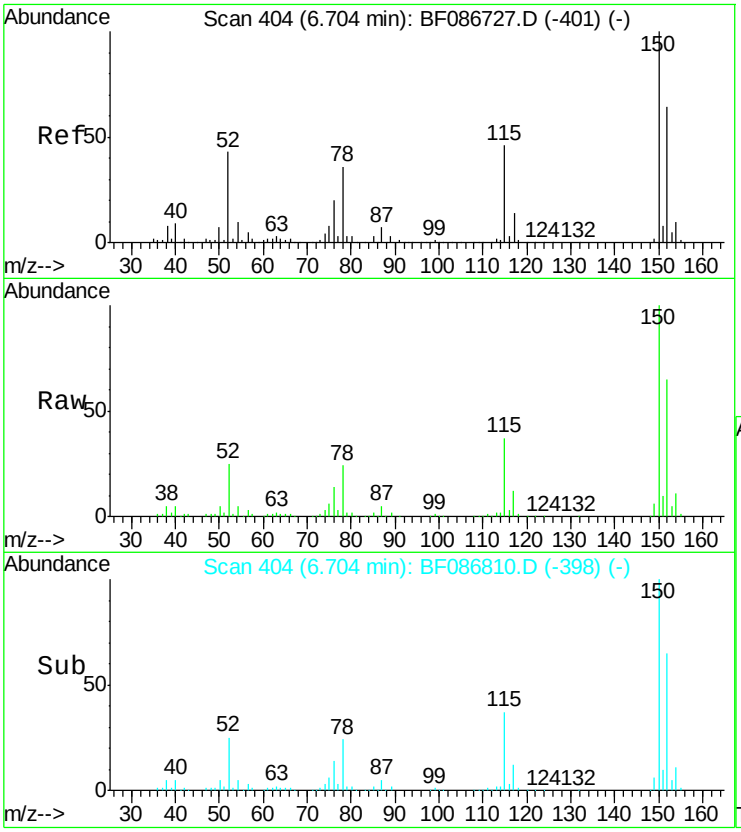


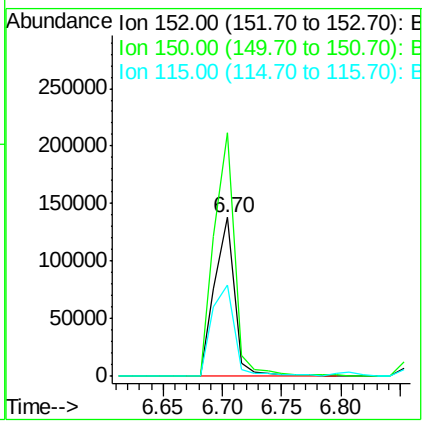


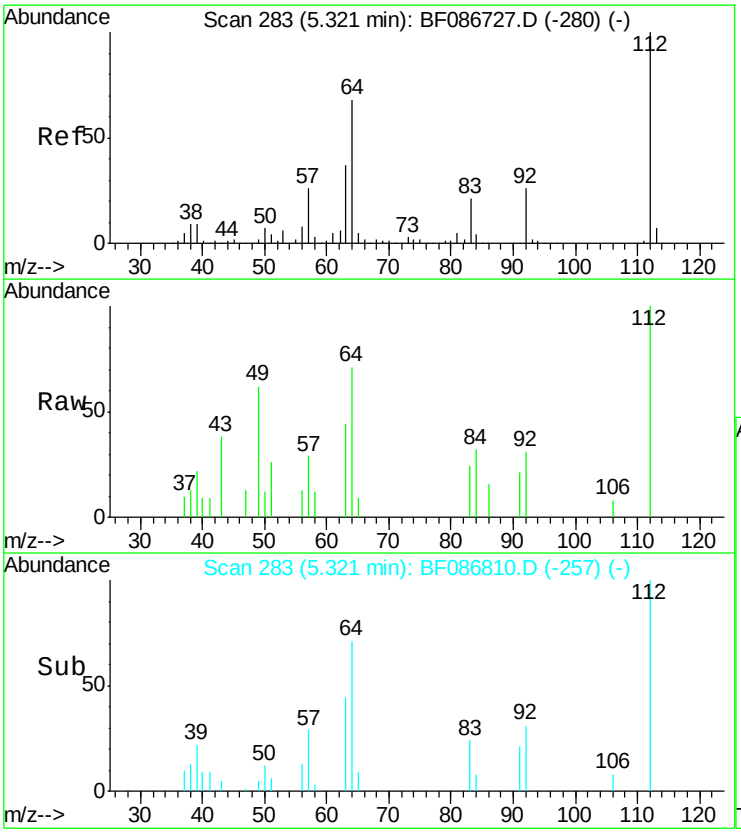
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:152 Resp: 162408

Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.8	188.6
115	57.4	51.5	77.3

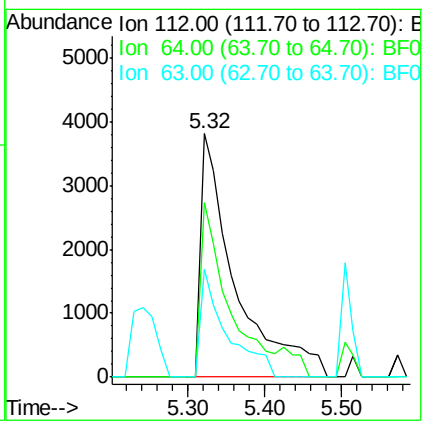


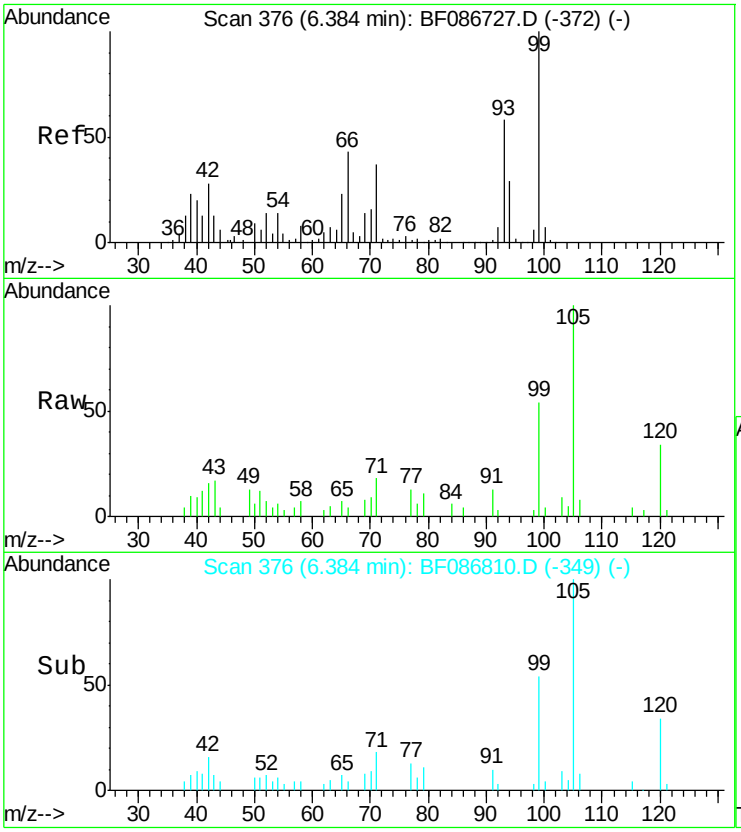


#5
2-Fluorophenol
Concen: 1.20 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:112 Resp: 11753

Ion	Ratio	Lower	Upper
112	100		
64	71.4	52.1	78.1
63	44.4	25.7	38.5#



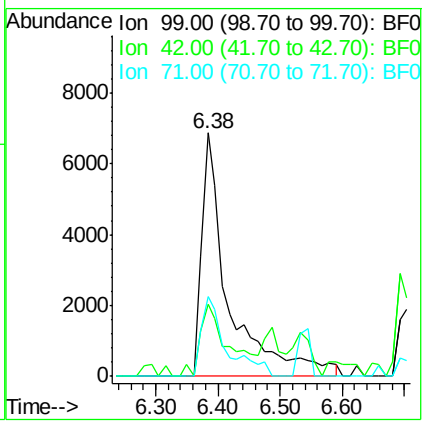


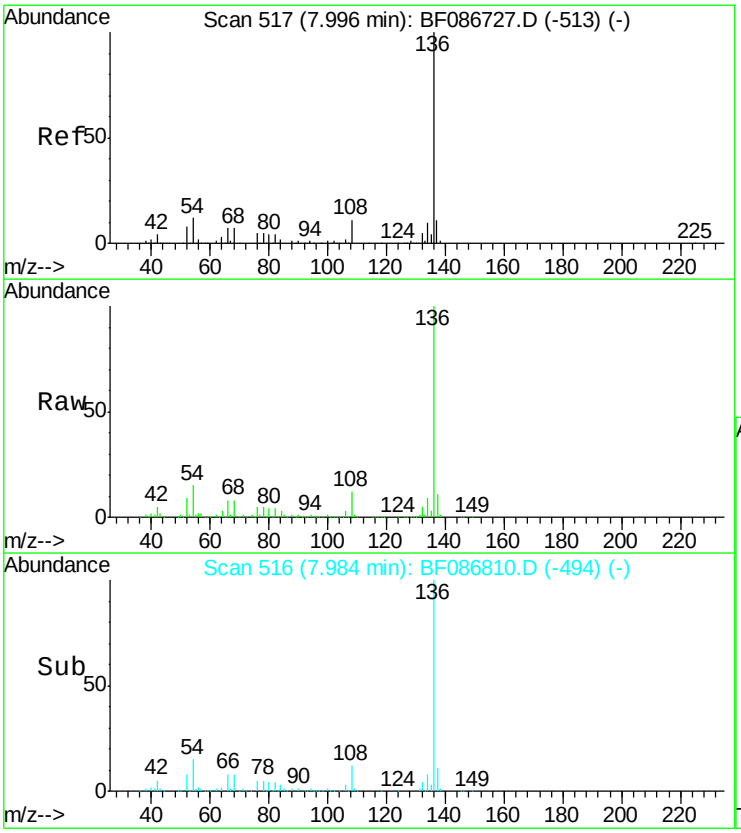
#7
Phenol-d6
Concen: 1.56 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion: 99 Resp: 20619

Ion	Ratio	Lower	Upper
99	100		
42	29.6	13.6	20.4#
71	32.6	24.6	36.8

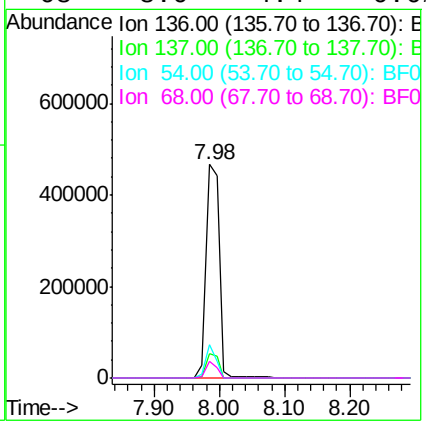


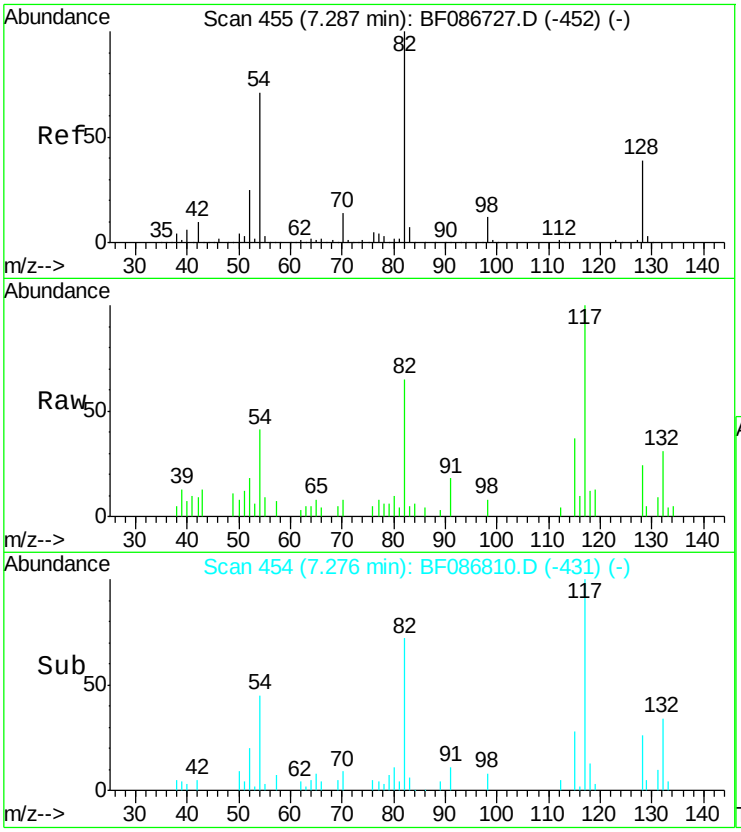


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:136 Resp: 666712

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.4	5.0	7.4#
68	8.0	4.4	6.6#



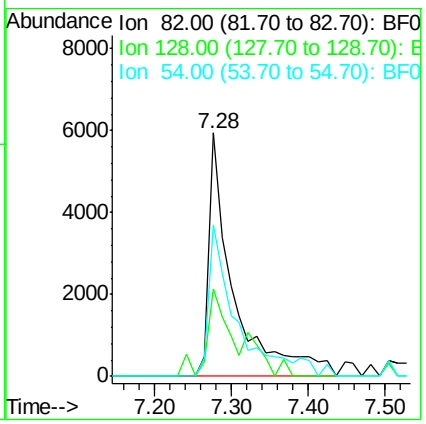


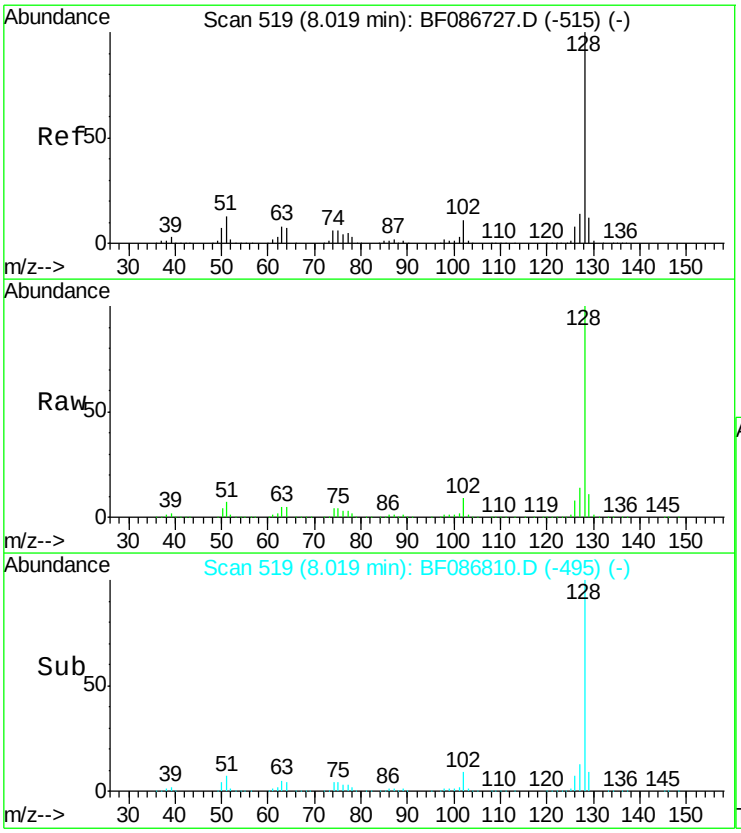
#23
Nitrobenzene-d5
Concen: 1.02 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion: 82 Resp: 13170

Ion	Ratio	Lower	Upper
82	100		
128	36.1	40.6	61.0#
54	62.3	38.1	57.1#

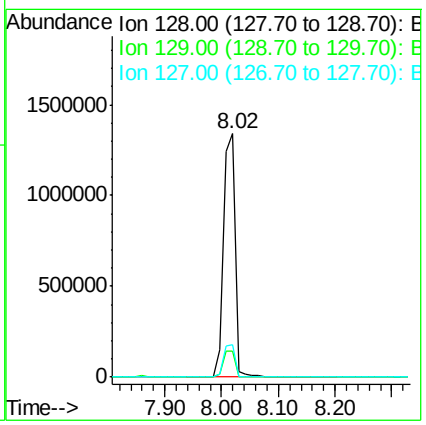


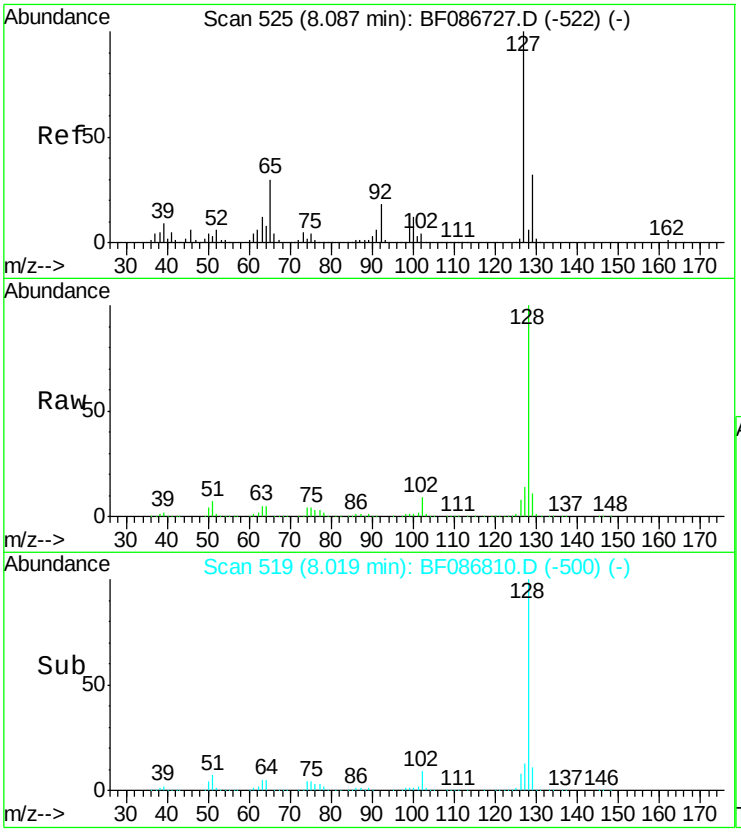


#31
Naphthalene
Concen: 56.99 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:128 Resp: 1941375

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.5	10.8	16.2



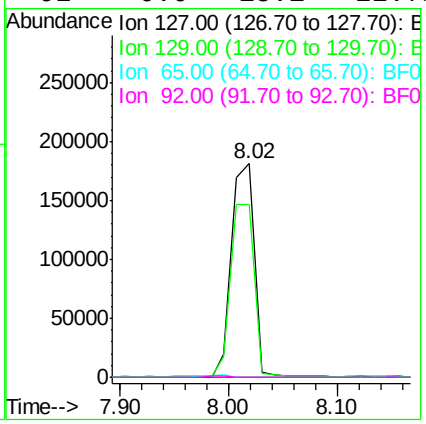


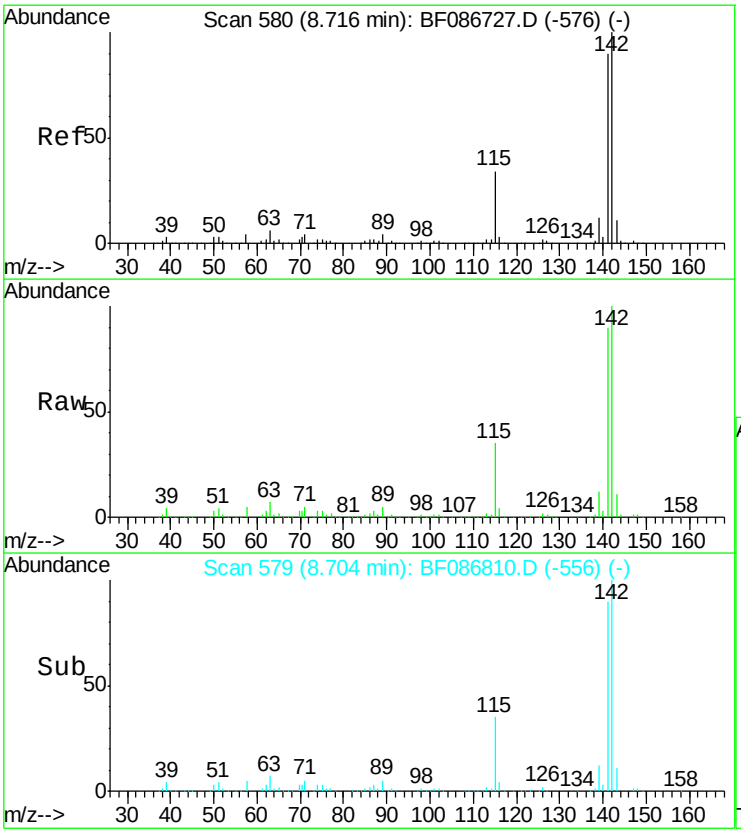
#33
4-Chloroaniline
Concen: 19.80 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.08 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:127 Resp: 261328

Ion	Ratio	Lower	Upper
127	100		
129	80.8	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#

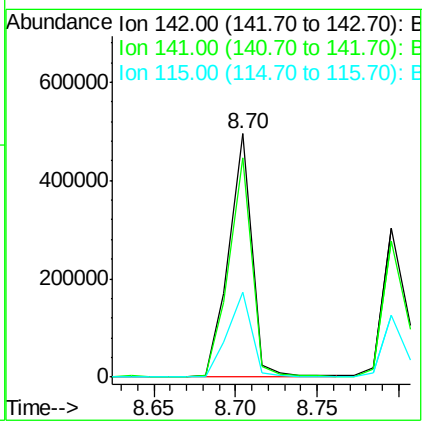


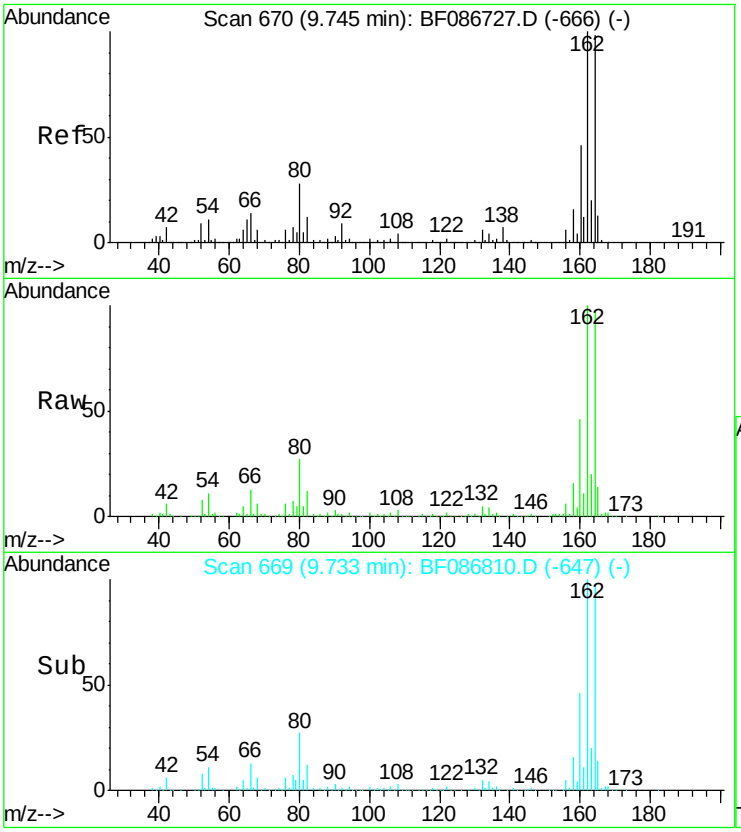


#37
2-Methylnaphthalene
Concen: 24.21 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:142 Resp: 486466

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.0	106.6
115	34.9	26.6	39.8



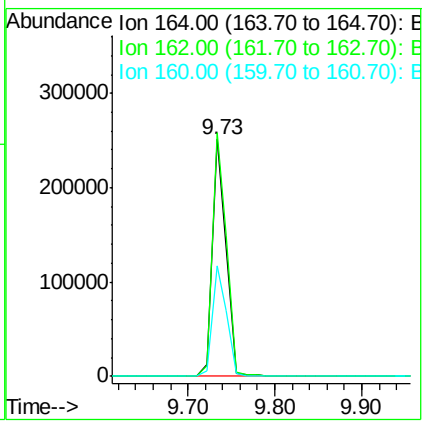


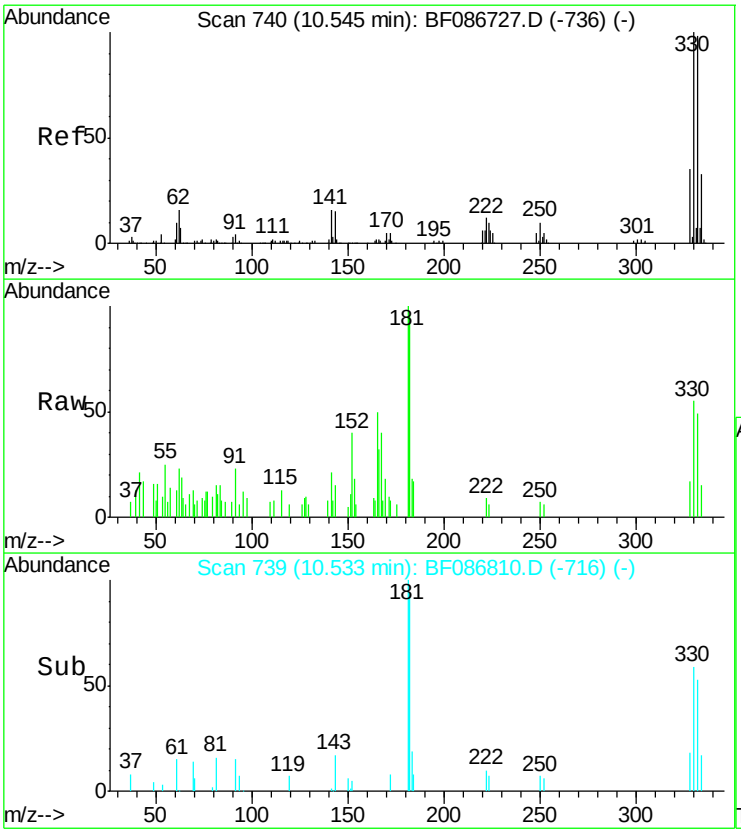
#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:164 Resp: 282297

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.8	124.2
160	46.8	36.9	55.3

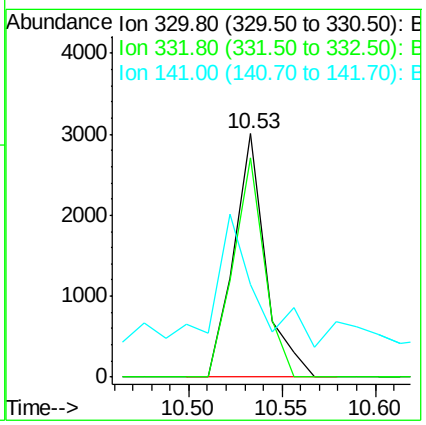


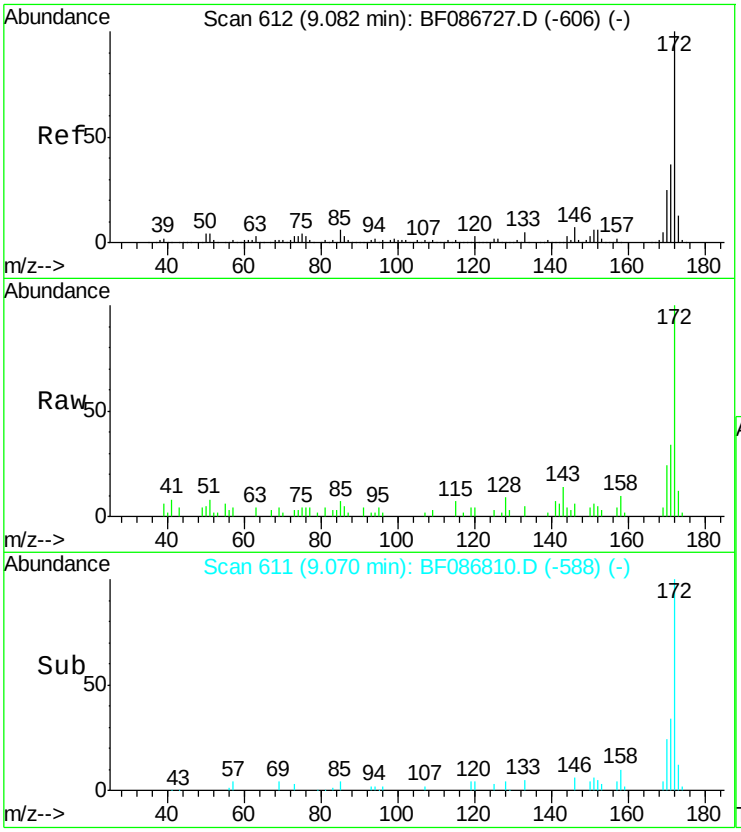


#41
2,4,6-Tribromophenol
Concen: 1.30 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:330 Resp: 3577

Ion	Ratio	Lower	Upper
330	100		
332	88.3	79.0	118.4
141	68.1	31.2	46.8#



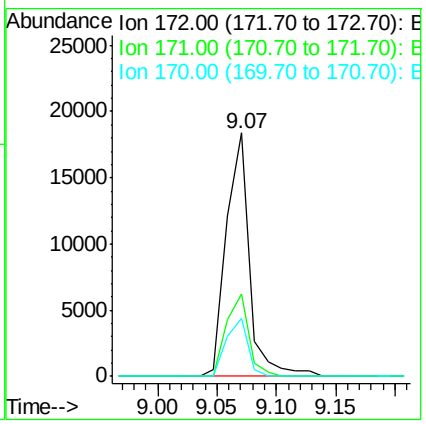


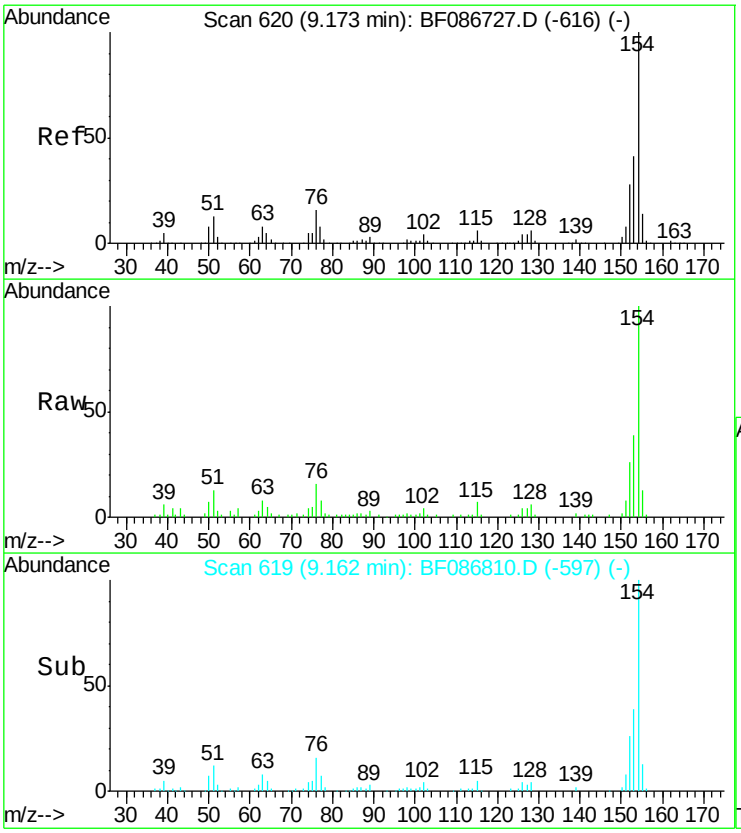
#44
2-Fluorobiphenyl
Concen: 1.44 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:172 Resp: 24764

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.0	43.6
170	23.6	19.8	29.8

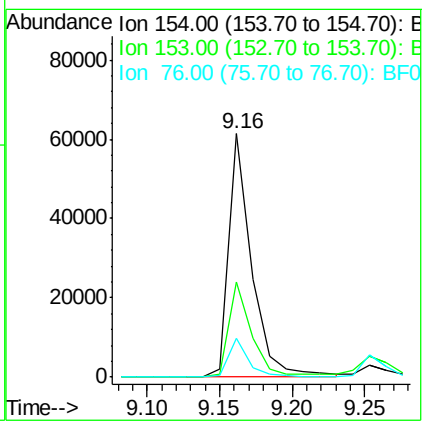


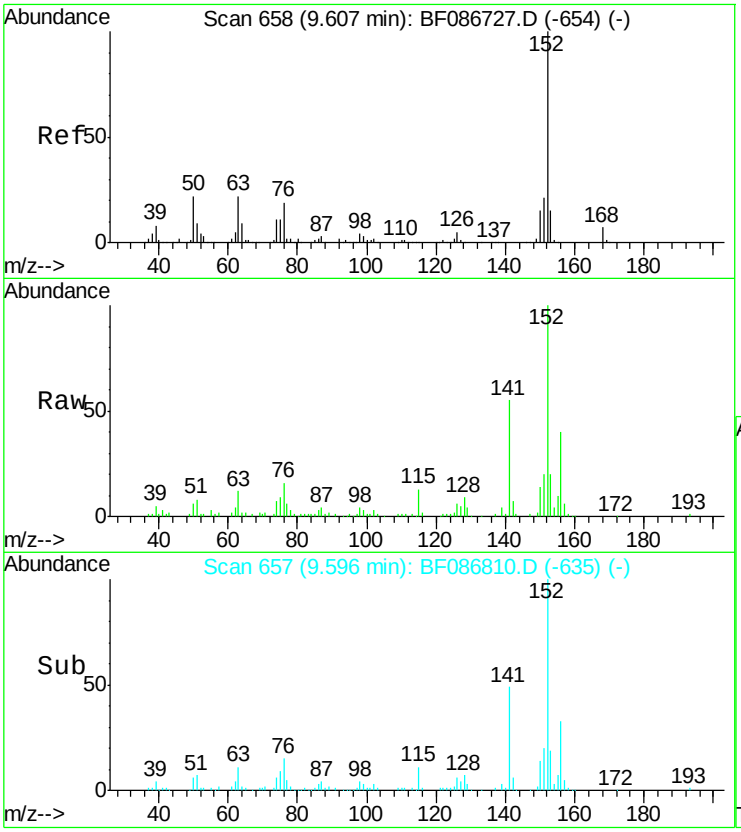


#45
1,1'-Biphenyl
Concen: 2.94 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:154 Resp: 67741

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.3	60.3
76	15.7	0.0	30.2



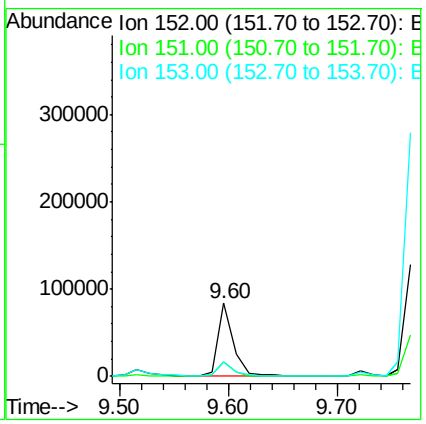


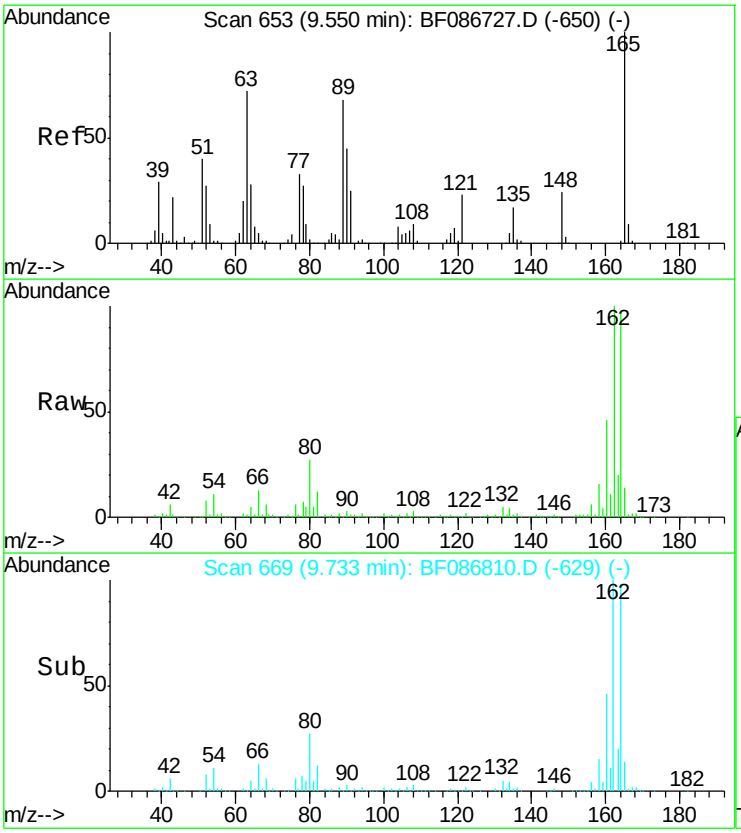
#48
Acenaphthylene
Concen: 3.10 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:152 Resp: 81991

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	20.0	10.9	16.3#

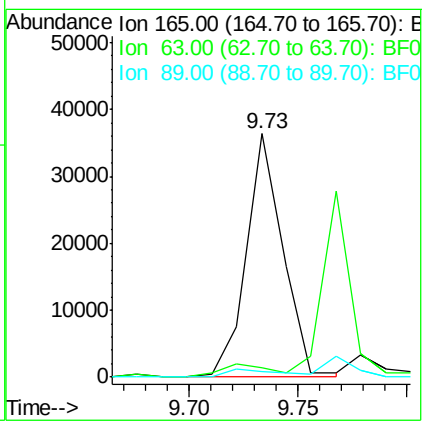


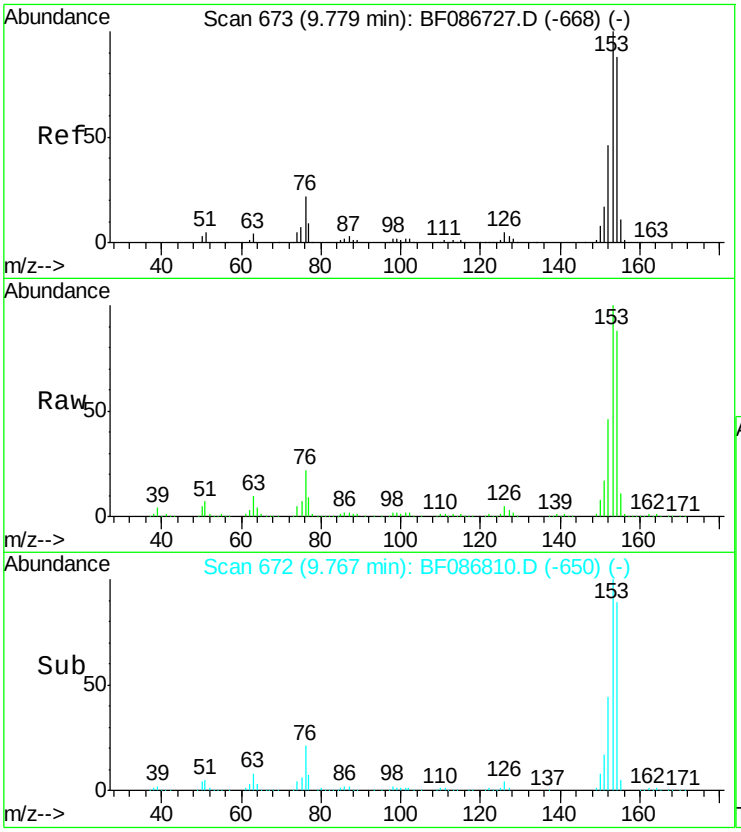


#50
2,6-Dinitrotoluene
Concen: 9.45 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.16 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:165 Resp: 42668

Ion	Ratio	Lower	Upper
165	100		
63	3.6	51.8	77.8#
89	2.4	50.7	76.1#



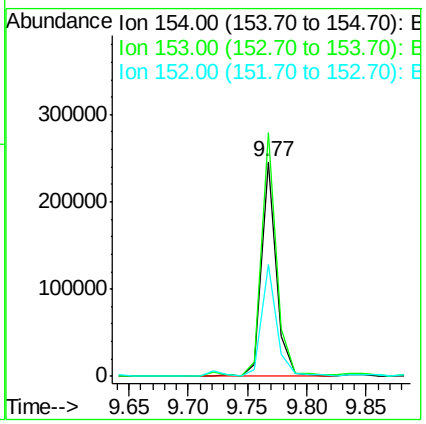


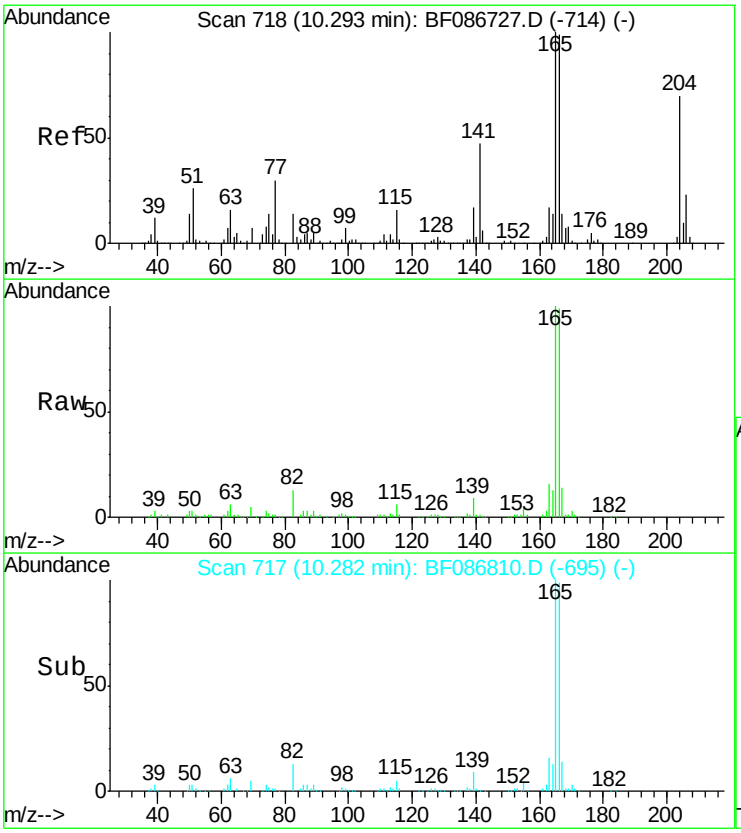
#51
Acenaphthene
Concen: 12.43 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:154 Resp: 216741

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.8	134.6
152	52.1	43.4	65.0

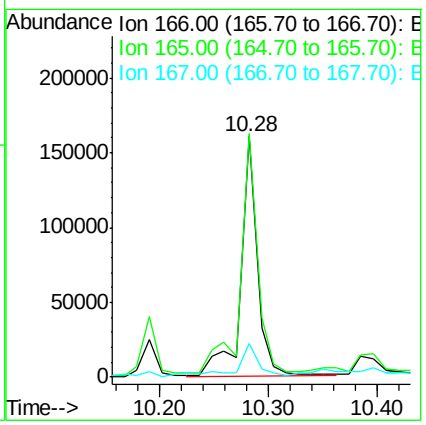


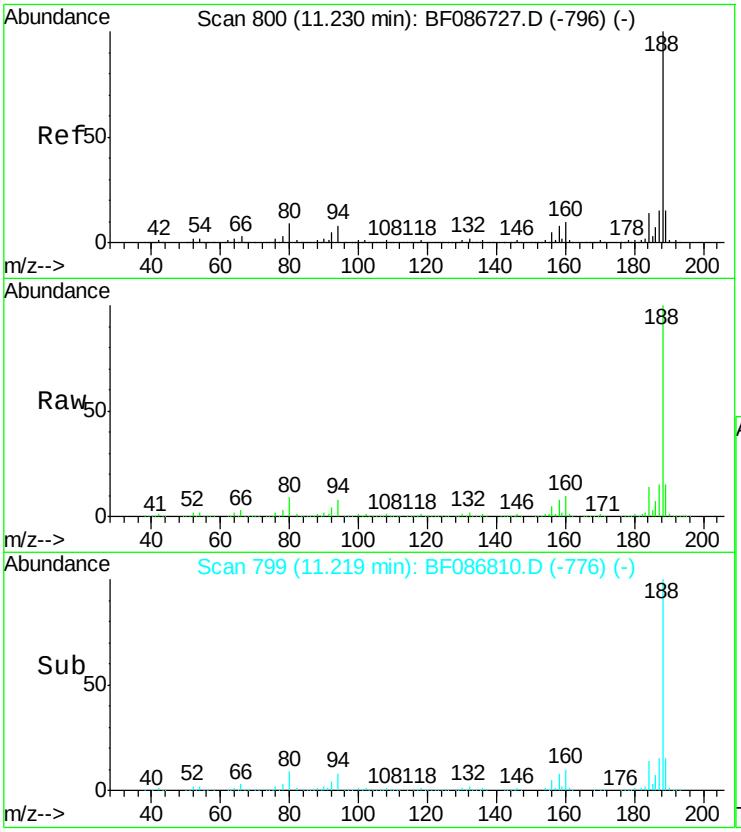


#57
Fluorene
Concen: 9.73 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:166 Resp: 170511

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.0	118.6
167	14.1	10.6	15.8



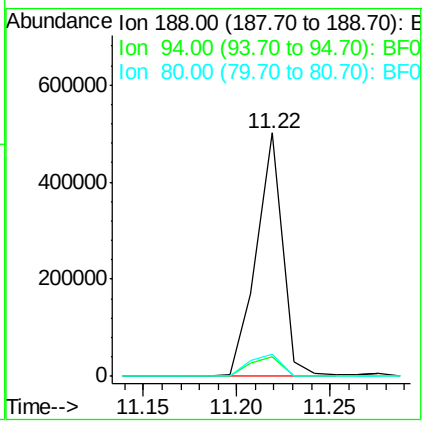


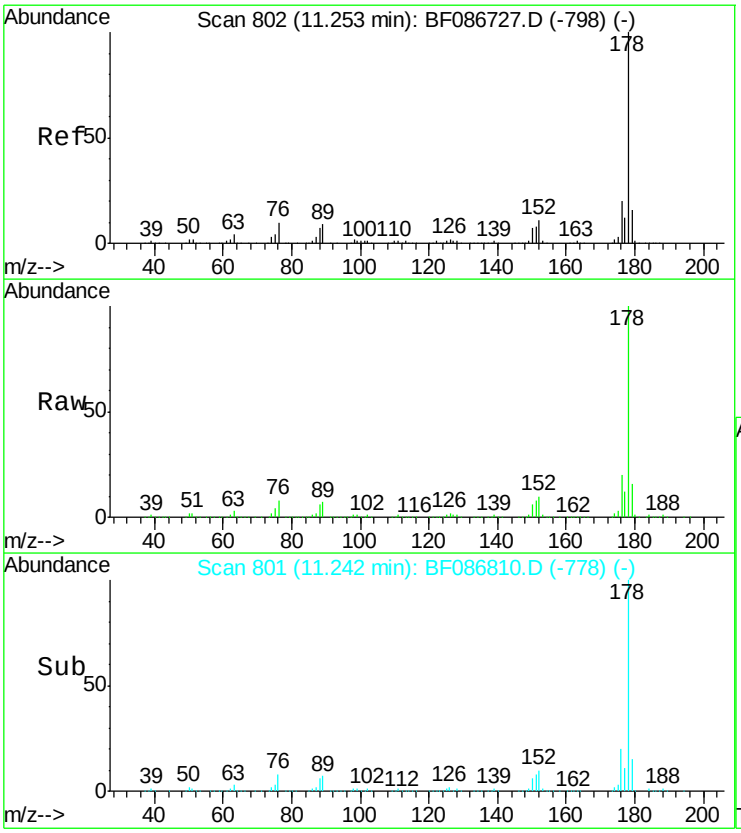
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:188 Resp: 486567

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	8.9	7.1	10.7

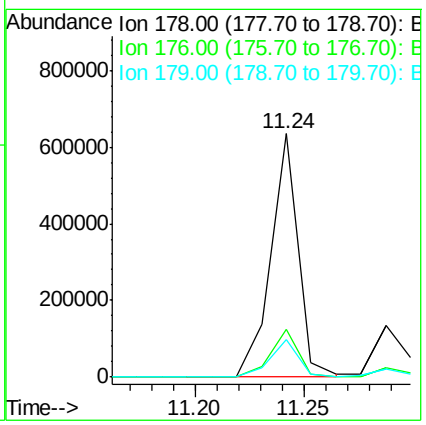


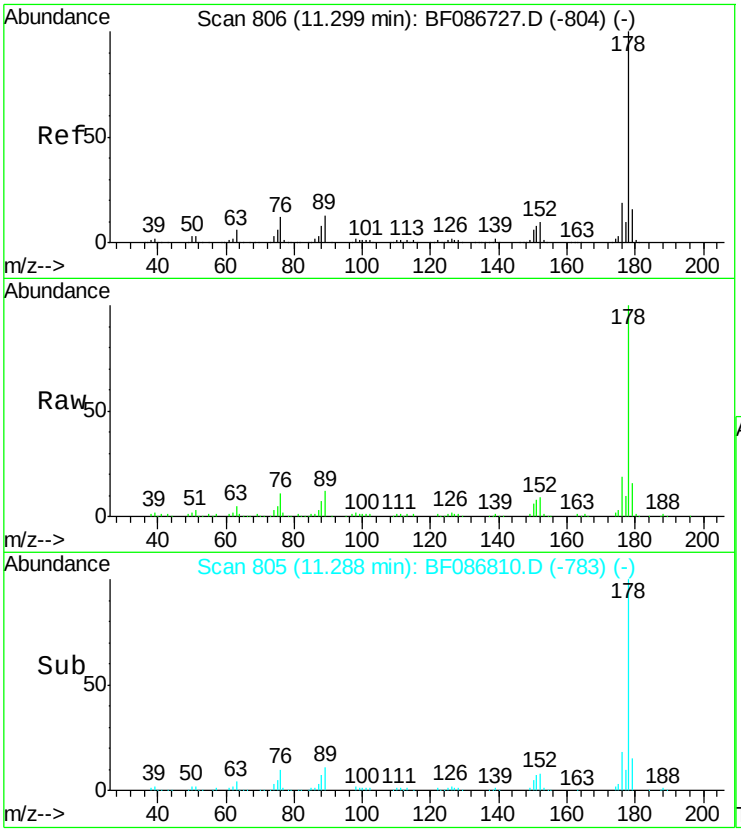


#70
Phenanthrene
Concen: 21.46 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:178 Resp: 560896

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.6	12.6	18.8



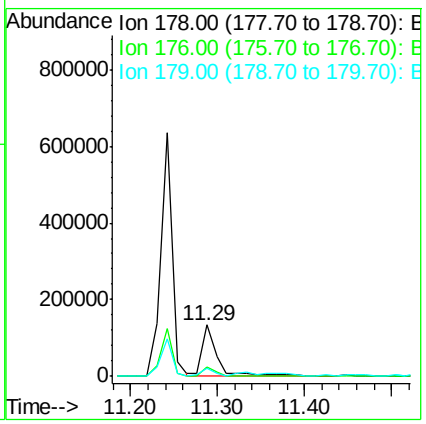


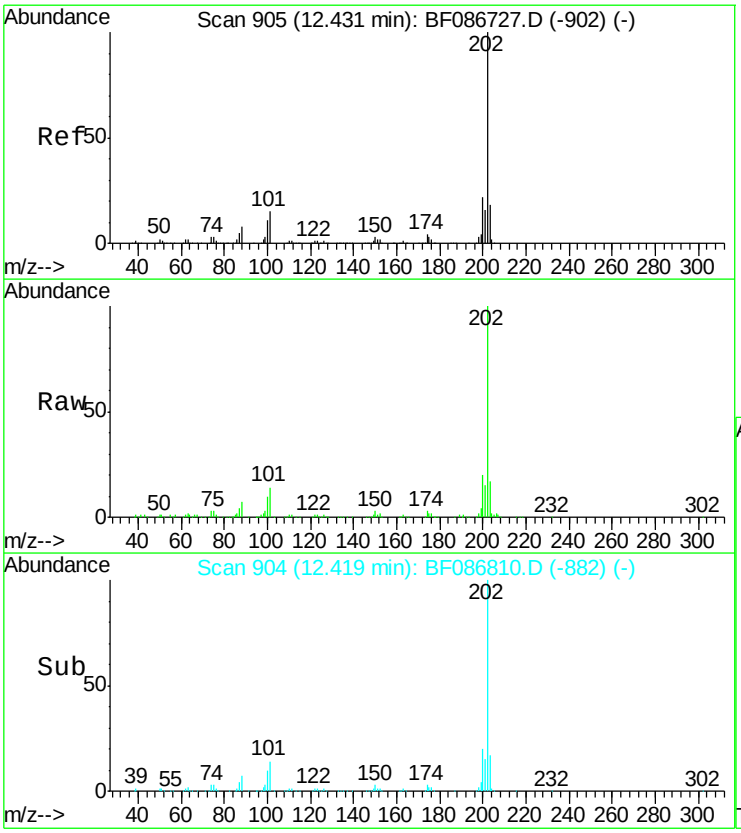
#71
Anthracene
Concen: 5.72 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:178 Resp: 156618

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.1	12.7	19.1

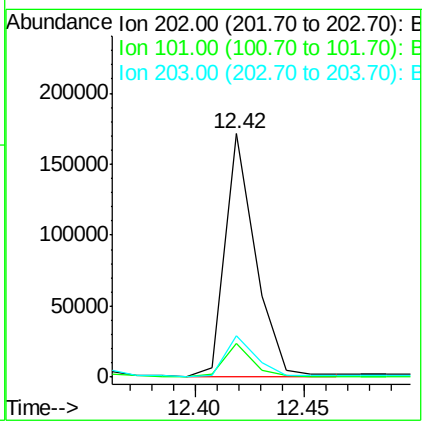


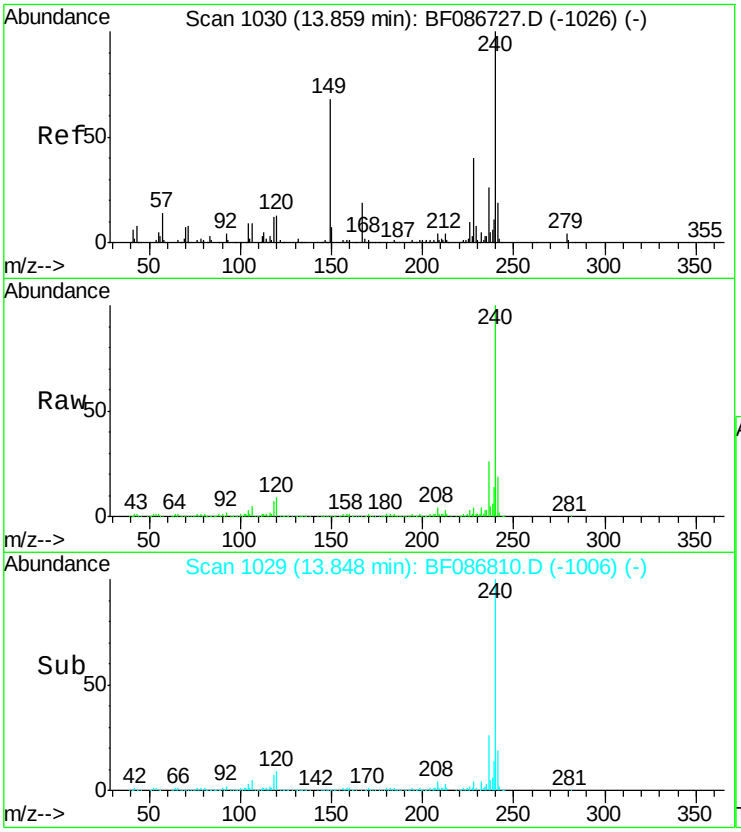


#74
Fluoranthene
Concen: 6.30 ng
RT: 12.42 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:202 Resp: 164979

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	35.4
203	17.2	0.0	38.1



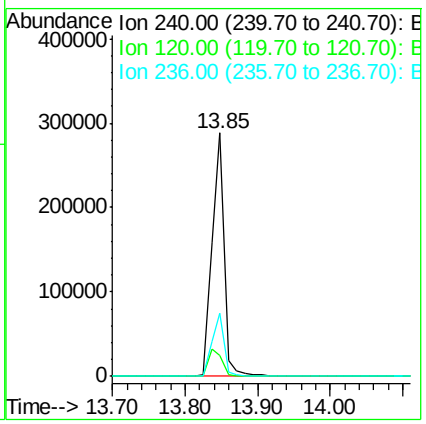


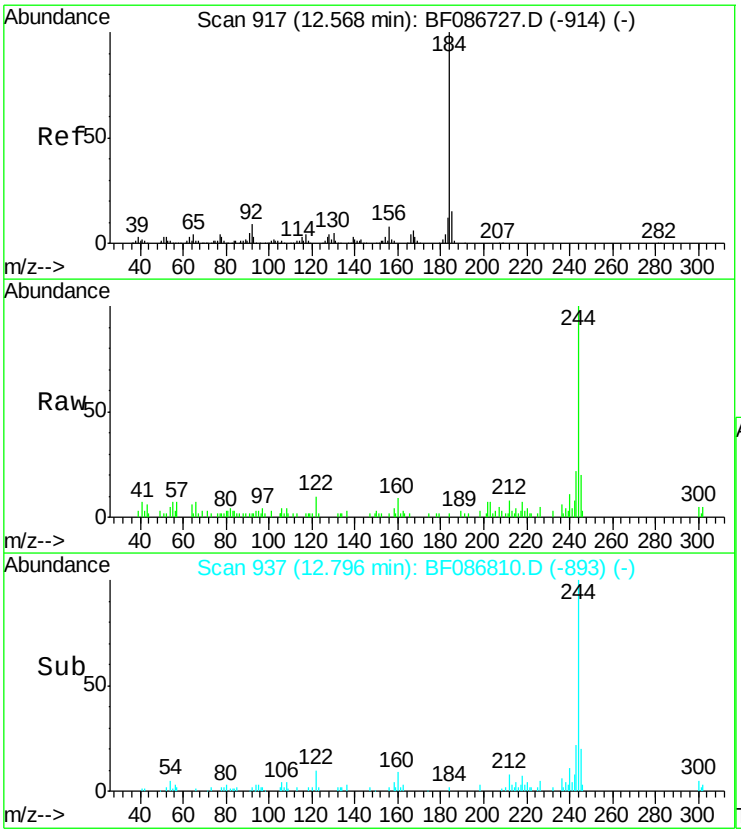
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:240 Resp: 335463

Ion	Ratio	Lower	Upper
240	100		
120	8.6	11.2	16.8#
236	26.1	21.2	31.8

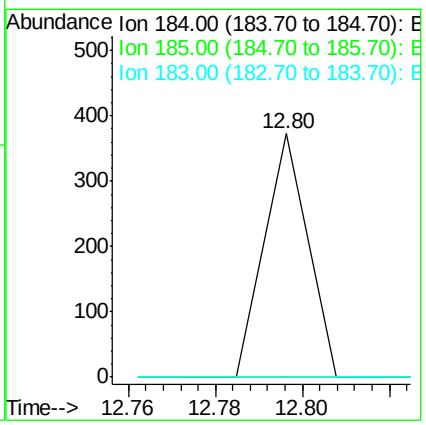


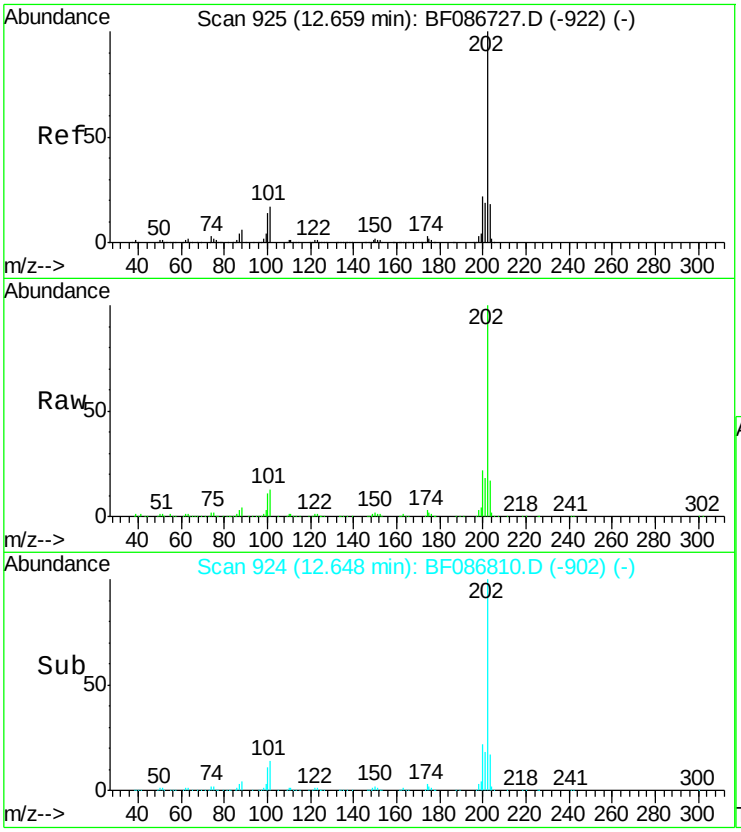


#76
Benzidine
Concen: 7.12 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.21 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:184 Resp: 256

Ion	Ratio	Lower	Upper
184	100		
185	0.0	13.6	20.4#
183	0.0	9.8	14.6#



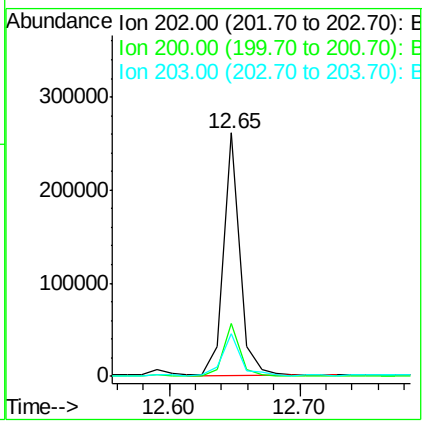


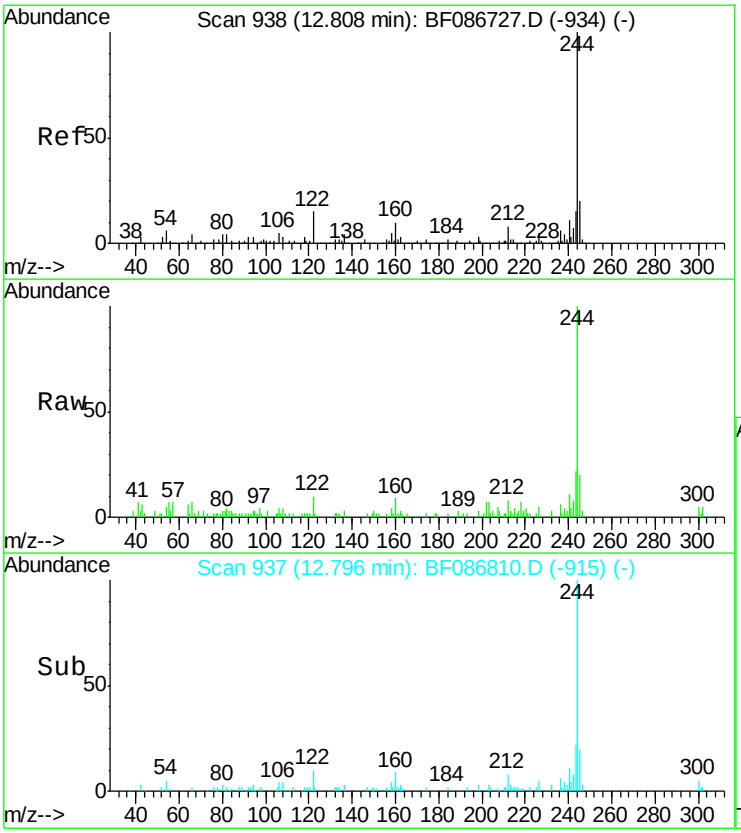
#77
Pyrene
Concen: 8.56 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:202 Resp: 228942

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.5	14.2	21.4

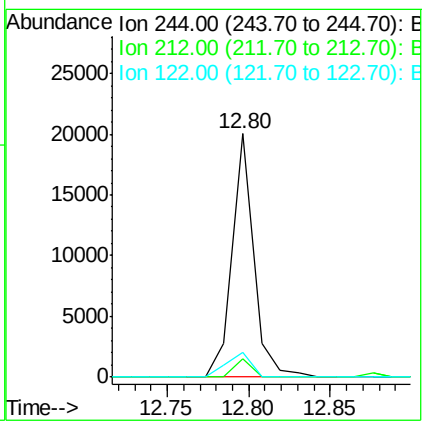


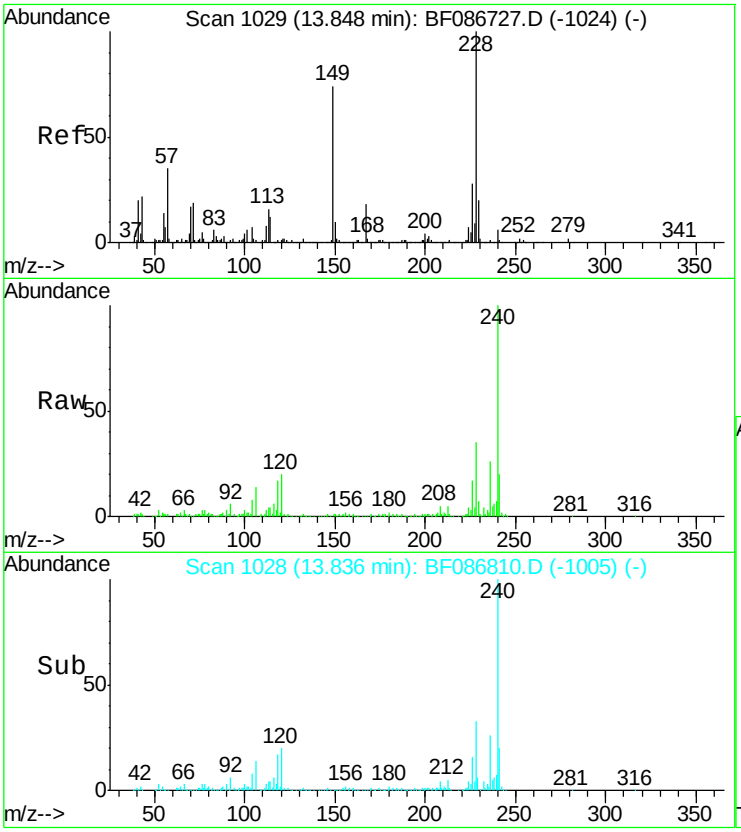


#78
Terphenyl-d14
Concen: 1.10 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:244 Resp: 18283

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	10.3	12.0	18.0#



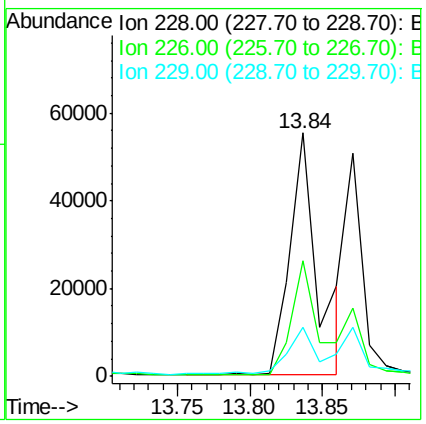


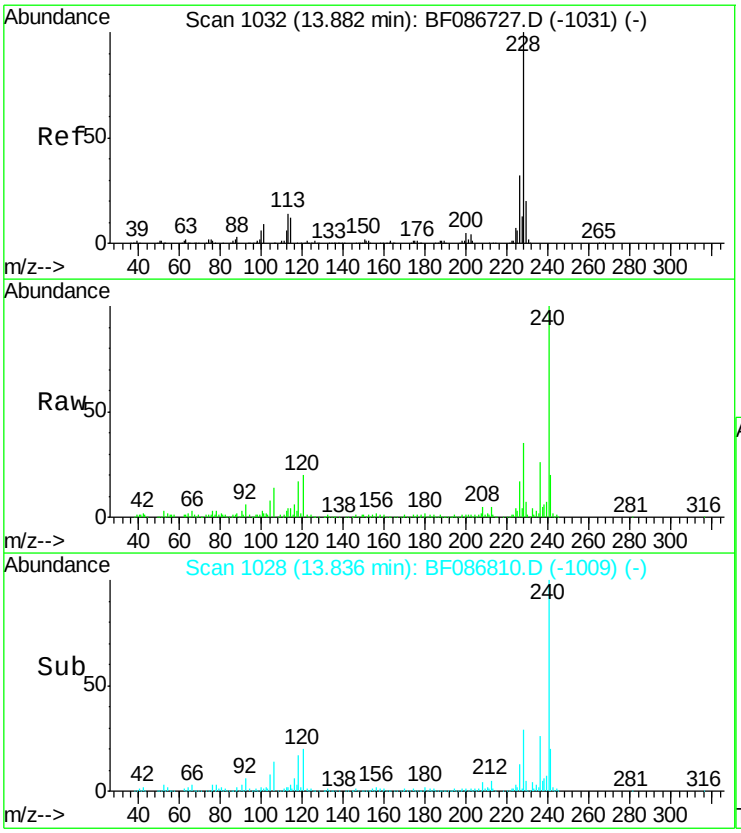
#80
Benzo(a)anthracene
Concen: 3.92 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:228 Resp: 74400

Ion	Ratio	Lower	Upper
228	100		
226	47.7	22.5	33.7#
229	20.2	16.6	25.0

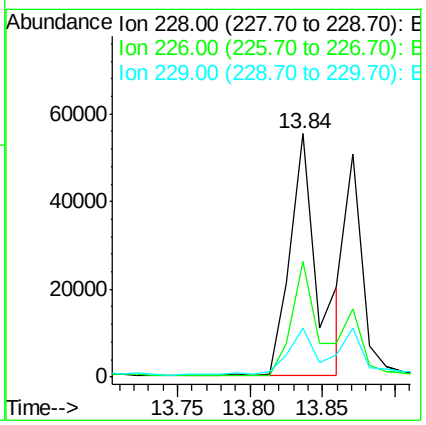


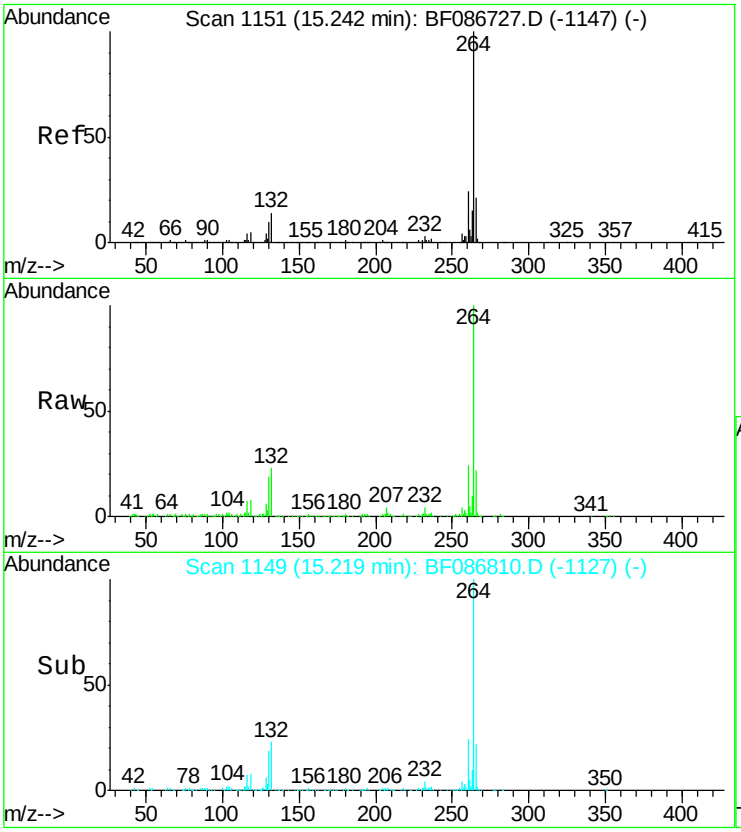


#82
Chrysene
Concen: 3.68 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.08 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:228 Resp: 74400

Ion	Ratio	Lower	Upper
228	100		
226	47.7	24.4	36.6#
229	20.2	15.8	23.8



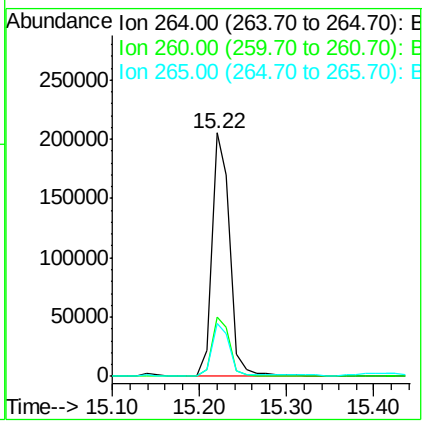


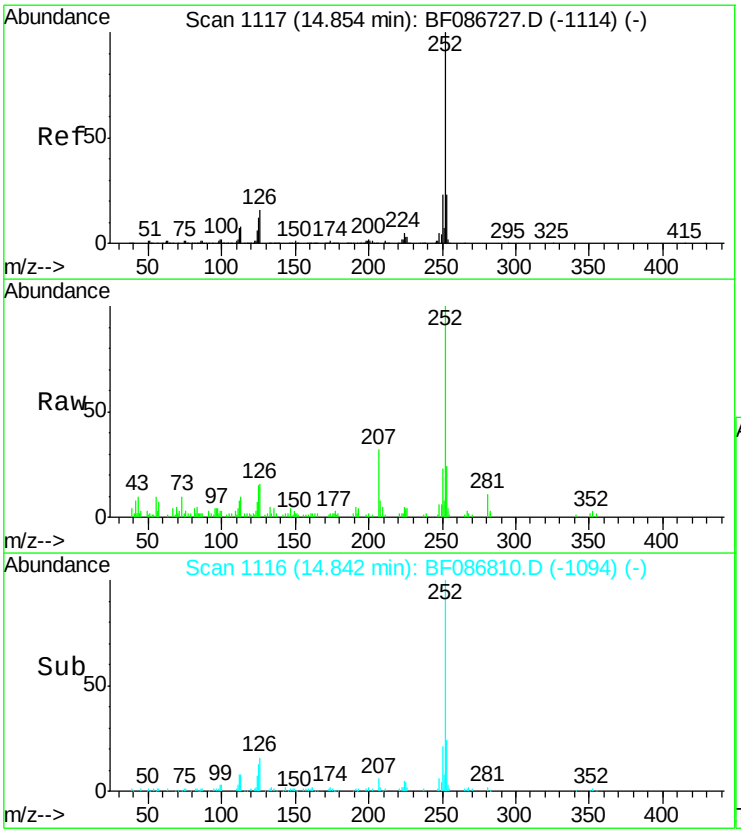
#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:264 Resp: 297052

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.9	17.3	25.9

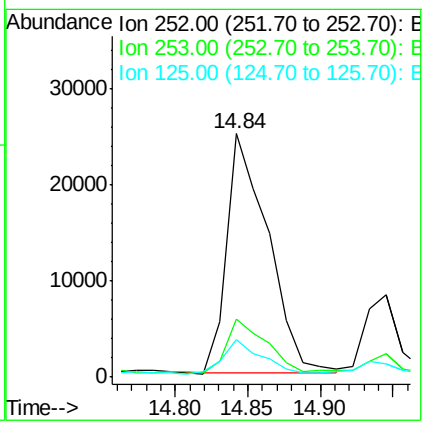


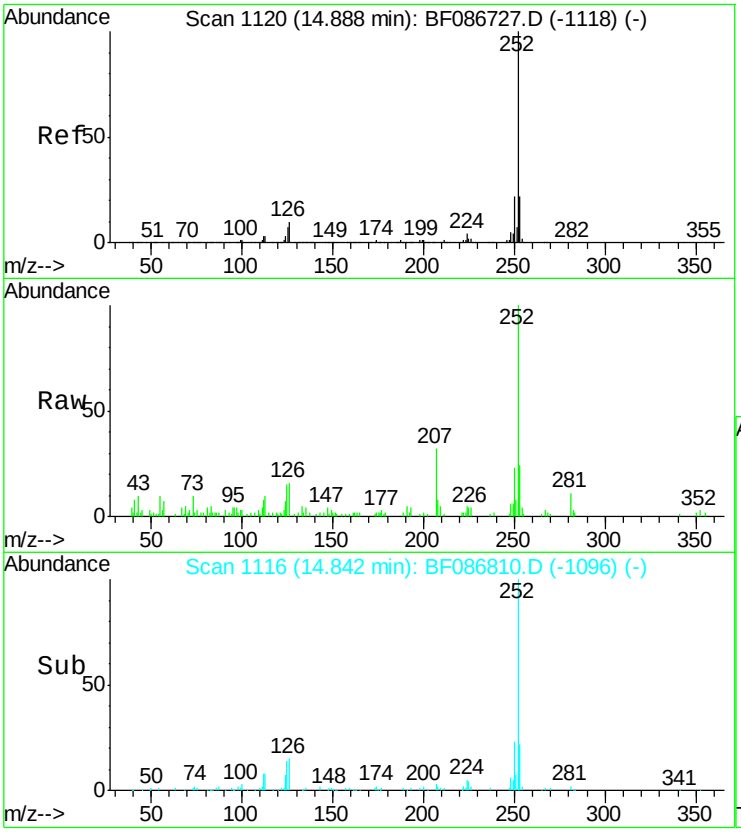


#87
Benzo(b)fluoranthene
Concen: 2.76 ng
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:252 Resp: 49236

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	15.2	11.4	17.0



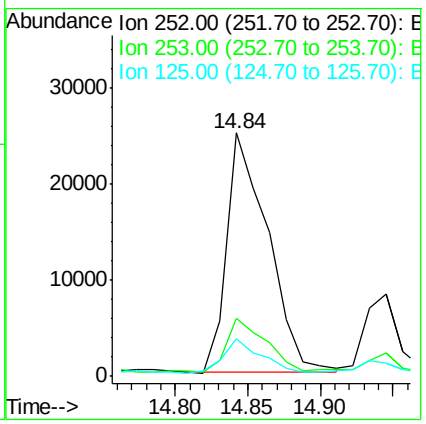


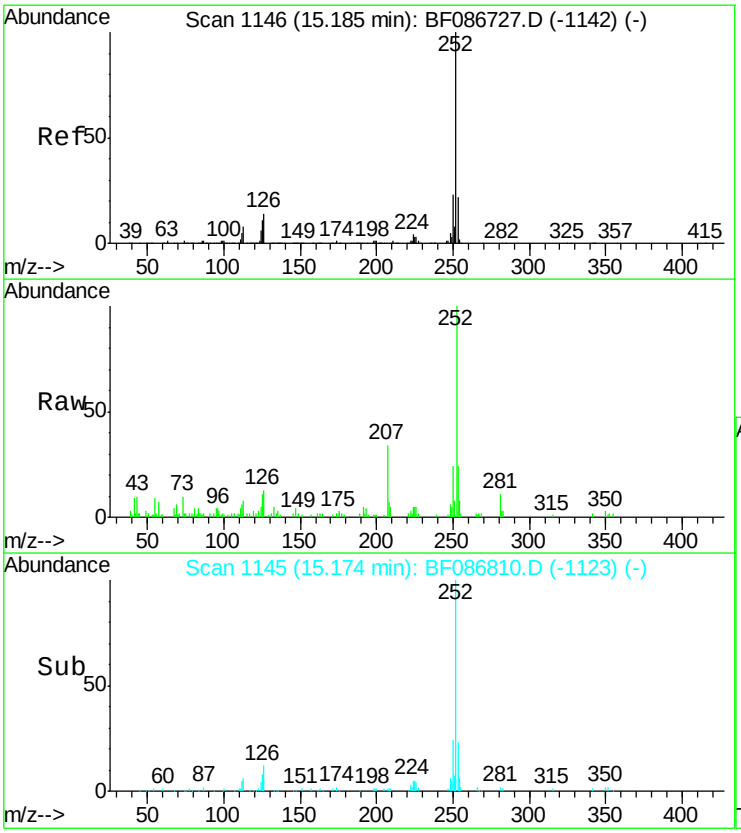
#88
Benzo(k)fluoranthene
Concen: 2.93 ng
RT: 14.84 min Scan# 1116
Delta R.T. -0.07 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL2

Tgt Ion:252 Resp: 49236

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	15.2	9.1	13.7#





#89
Benzo(a)pyrene
Concen: 2.60 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086810.D
Acq: 8 May 2016 8:38

Tgt Ion:252 Resp: 42782

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	10.6	9.0	13.6