Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087081.D
Acq On : 16 May 2016 15:07
Operator : UM/SJ
Sample : H2994-03RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1335-00(0-3)RE

Quant Time: May 17 00:52:54 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	462184	20.00	ng		0.07
21) Naphthalene-d8	7.90	136	555053	20.00	ng		-0.09
38) Acenaphthene-d10	9.64	164	222273	20.00	ng		-0.09
63) Phenanthrene-d10	11.12	188	335145	20.00	ng		-0.09
75) Chrysene-d12	13.76	240	251689	20.00	ng		-0.08
86) Perylene-d12	15.13	264	235015	20.00	ng		-0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	939325	34.42	ng		-0.09
7) Phenol-d6	6.28	99	1388947	38.08	ng		-0.08
23) Nitrobenzene-d5	7.19	82	886084	80.16	ng		-0.08
41) 2,4,6-Tribromophenol	10.43	330	216712	92.10	ng		-0.09
44) 2-Fluorobiphenyl	8.98	172	1258735	95.18	ng		-0.08
78) Terphenyl-d14	12.71	244	882409	74.39	ng		-0.09
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	130899	5.14	ng	#	79
25) Isophorone	7.19	82	837911	40.85	ng	#	68
31) Naphthalene	7.92	128	190244	6.84	ng		99
33) 4-Chloroaniline	7.92	127	24610	2.28	ng	#	38
37) 2-Methylnaphthalene	8.71	142	88485	5.44	ng		96
48) Acenaphthylene	9.51	152	547375	26.87	ng		99
49) Dimethylphthalate	9.38	163	83228	4.91	ng		98
51) Acenaphthene	9.68	154	25991	2.05	ng		99
53) 2,4-Dinitrophenol	9.93	184	757	8.07	ng	#	35
54) Dibenzofuran	9.85	168	67378	4.14	ng	#	95
55) 4-Nitrophenol	9.96	139	4219	6.15	ng		84
60) 4-Chlorophenyl-phenylether	10.02	204	226	Below Cal		#	5
66) 4-Bromophenyl-phenylether	10.43	248	13931	4.10	ng	#	1
70) Phenanthrene	11.15	178	887623	49.63	ng		99
71) Anthracene	11.20	178	457456	25.01	ng		99
72) Carbazole	11.36	167	133710	8.50	ng		97
74) Fluoranthene	12.34	202	1893597	102.94	ng		96
77) Pyrene	12.57	202	1724429	89.49	ng		100
79) Butylbenzylphthalate	13.19	149	73260	8.99	ng	#	74
80) Benzo(a)anthracene	13.79	228	922681	65.30	ng		94
82) Chrysene	13.79	228	923434	64.25	ng		96
83) Bis(2-ethylhexyl)phthalate	13.75	149	23322	2.38	ng	#	92
85) Indeno(1,2,3-cd)pyrene	16.39	276	390608	32.66	ng	#	91
87) Benzo(b)fluoranthene	14.77	252	1447953	94.80	ng		96
88) Benzo(k)fluoranthene	14.77	252	1447953	115.78	ng		97
89) Benzo(a)pyrene	15.07	252	633776	48.11	ng		94
90) Dibenzo(a,h)anthracene	16.45	278	48230	4.34	ng	#	84
91) Benzo(g,h,i)perylene	16.77	276	310569	27.53	ng	#	91

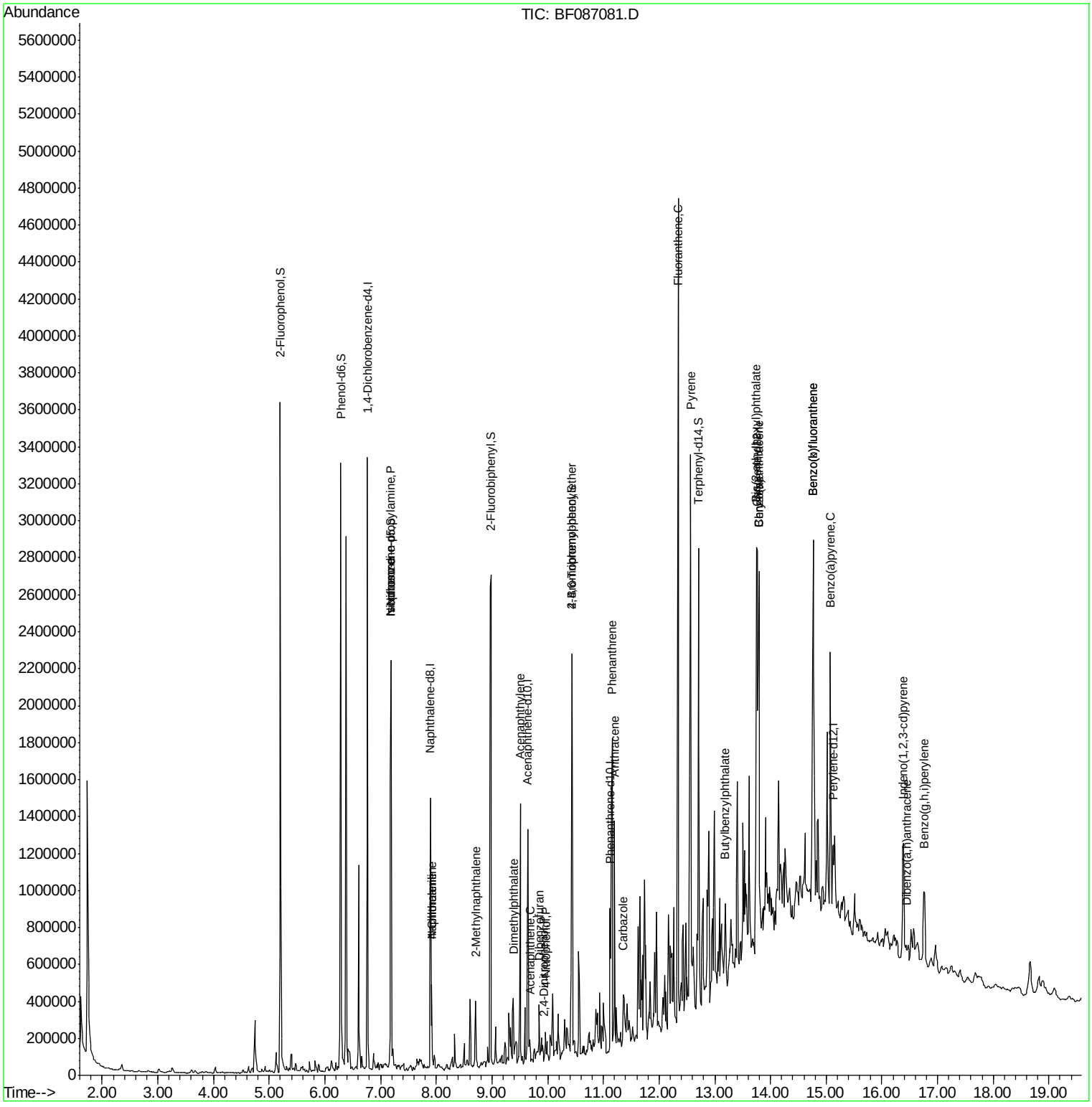
(#) = qualifier out of range (m) = manual integration (+) = signals summed

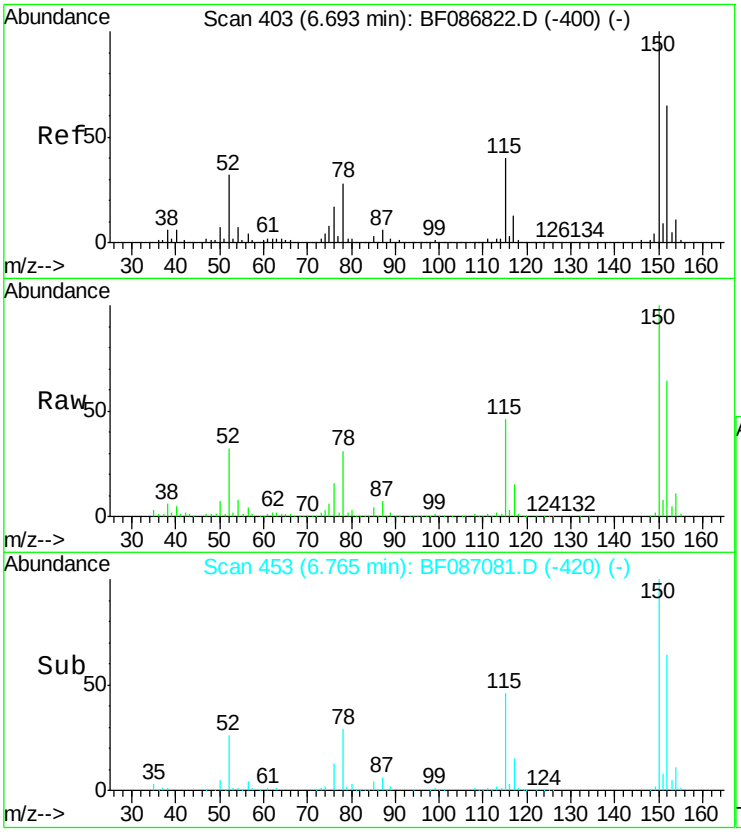
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087081.D
Acq On : 16 May 2016 15:07
Operator : UM/SJ
Sample : H2994-03RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Quant Time: May 17 00:52:54 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration



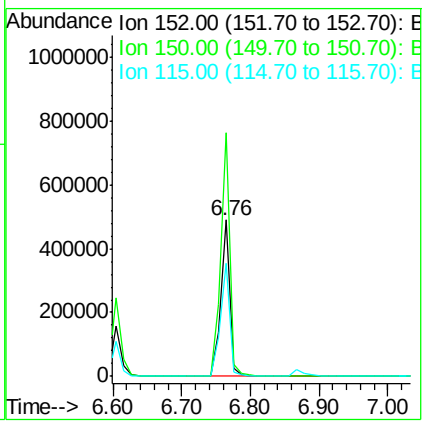


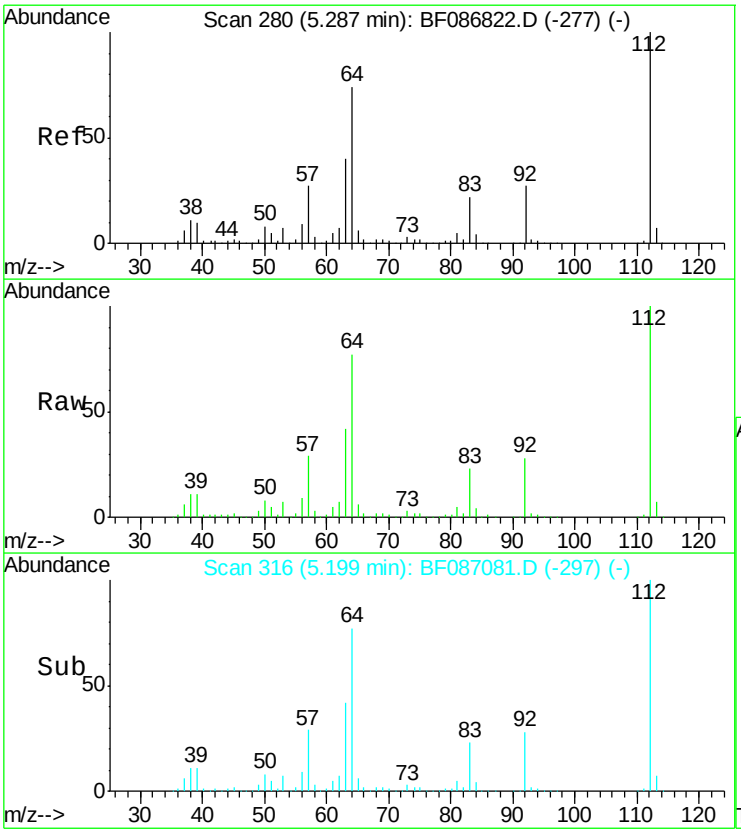
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:152 Resp: 462184

Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.8	188.6
115	71.9	51.5	77.3

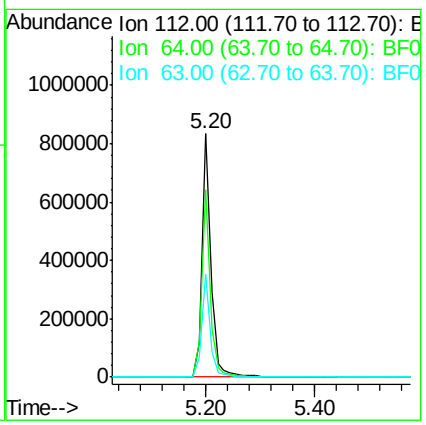


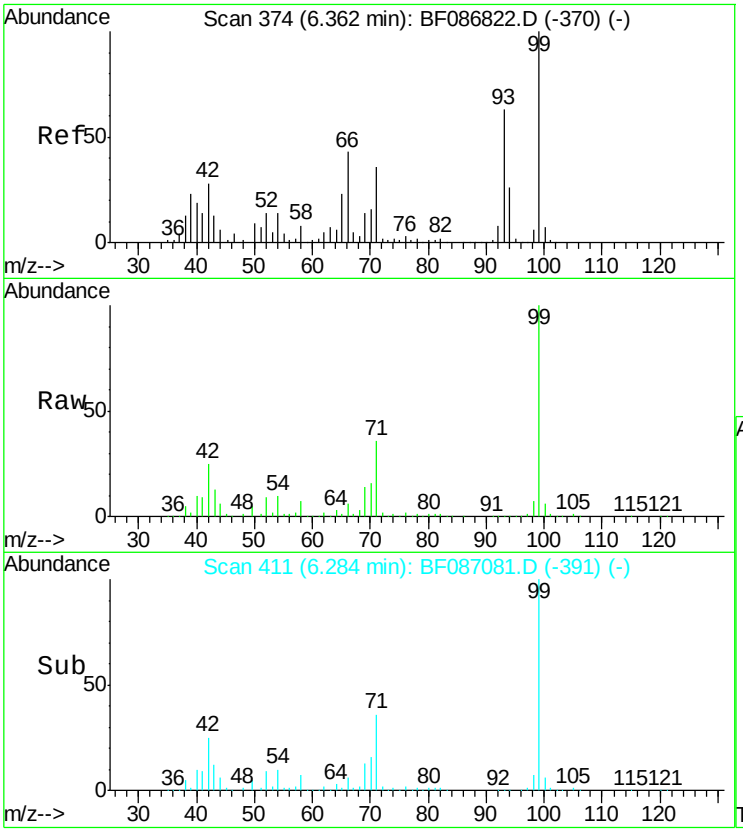


#5
2-Fluorophenol
Concen: 34.42 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:112 Resp: 939325

Ion	Ratio	Lower	Upper
112	100		
64	76.9	52.1	78.1
63	42.0	25.7	38.5#



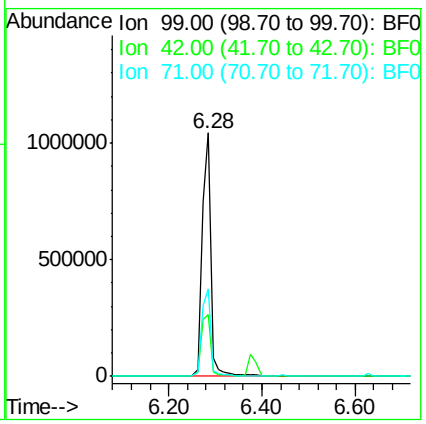


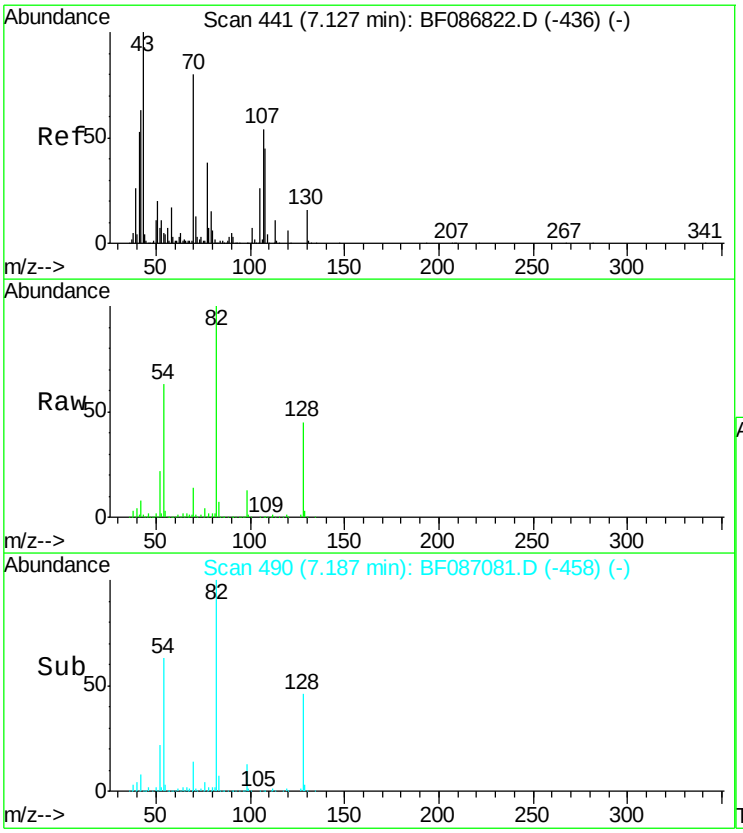
#7
Phenol-d6
Concen: 38.08 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion: 99 Resp: 1388947

Ion	Ratio	Lower	Upper
99	100		
42	25.2	13.6	20.4#
71	35.9	24.6	36.8

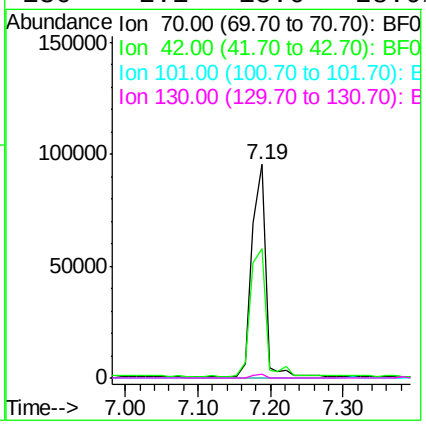


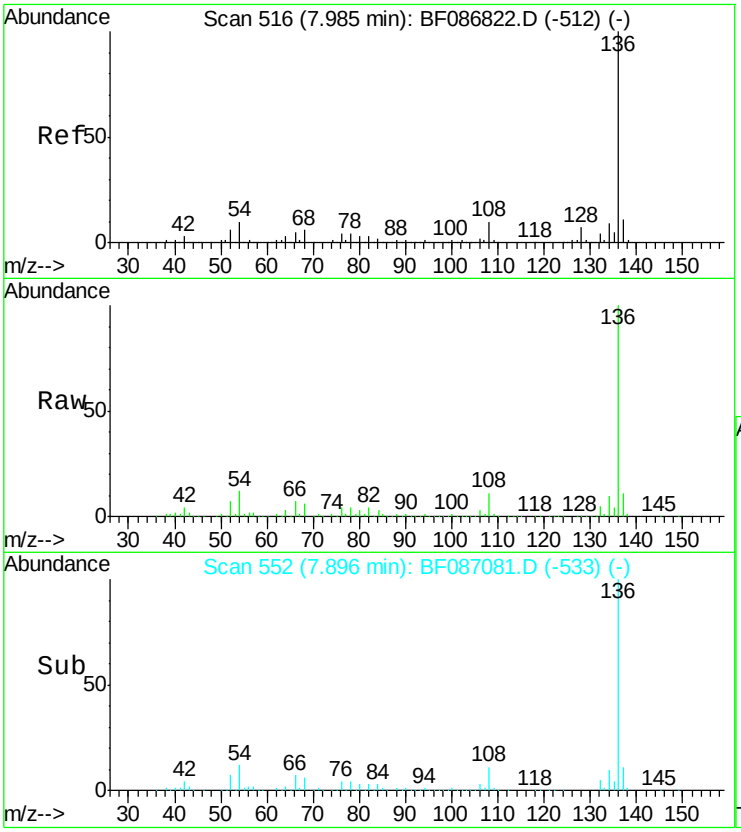


#19
n-Nitroso-di-n-propylamine
Concen: 5.14 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.06 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion: 70 Resp: 130899

Ion	Ratio	Lower	Upper
70	100		
42	60.7	43.1	64.7
101	0.0	8.1	12.1#
130	2.1	18.6	28.0#



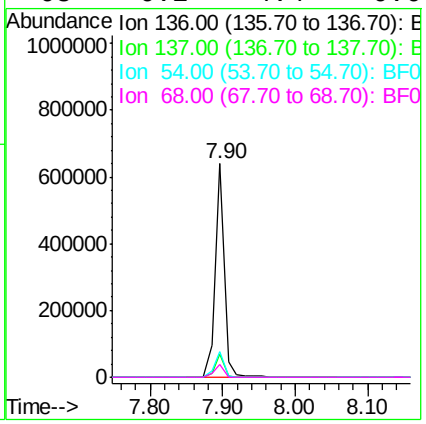


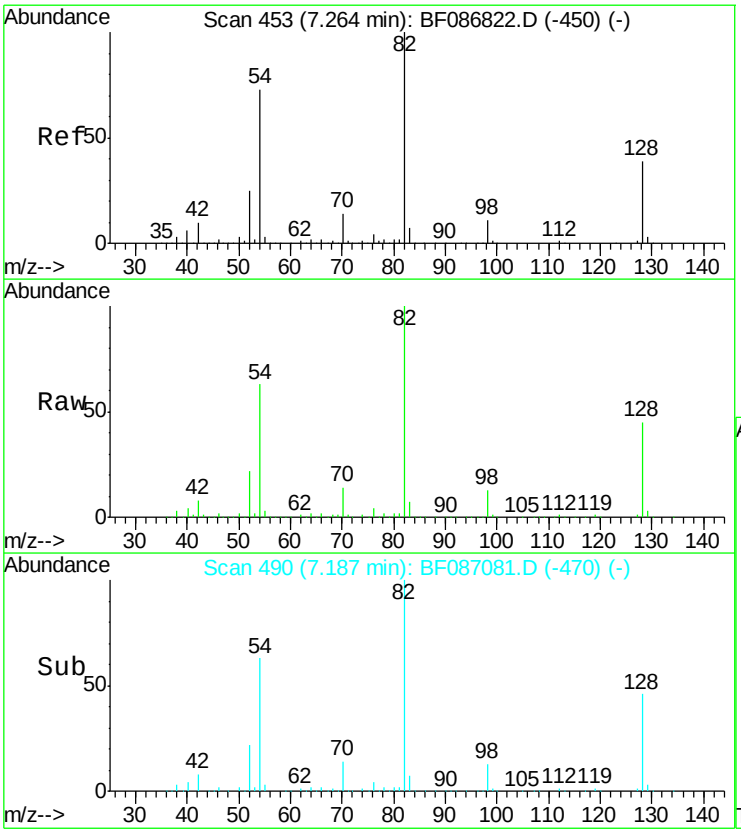
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:136 Resp: 555053

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	11.8	5.0	7.4#
68	6.2	4.4	6.6

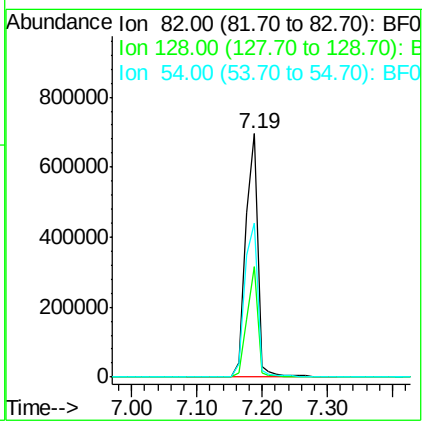


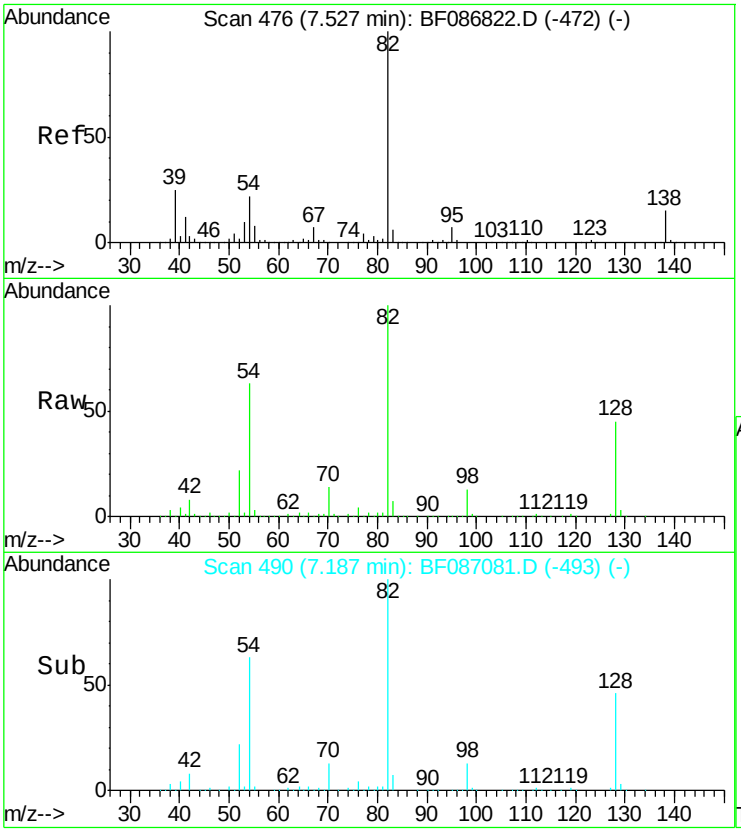


#23
Nitrobenzene-d5
Concen: 80.16 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion: 82 Resp: 886084

Ion	Ratio	Lower	Upper
82	100		
128	45.5	40.6	61.0
54	63.0	38.1	57.1#



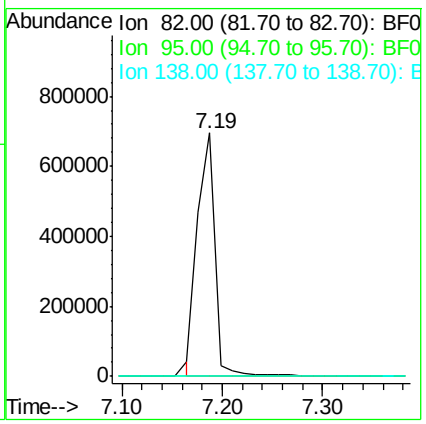


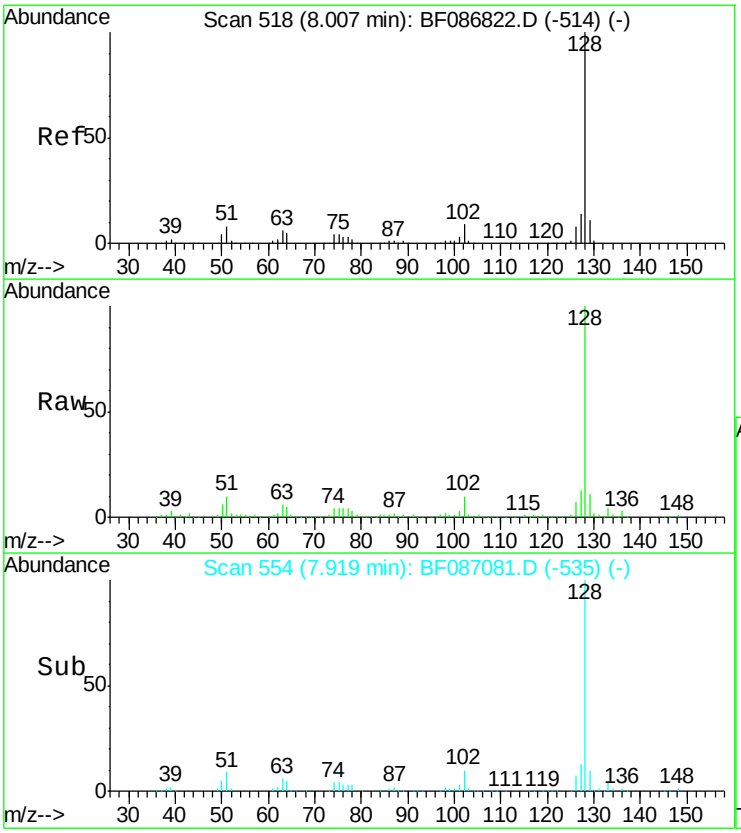
#25
Isophorone
Concen: 40.85 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion: 82 Resp: 837911

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.1	7.7#
138	0.0	12.4	18.6#

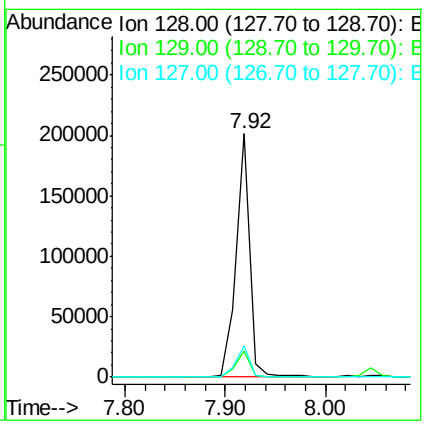


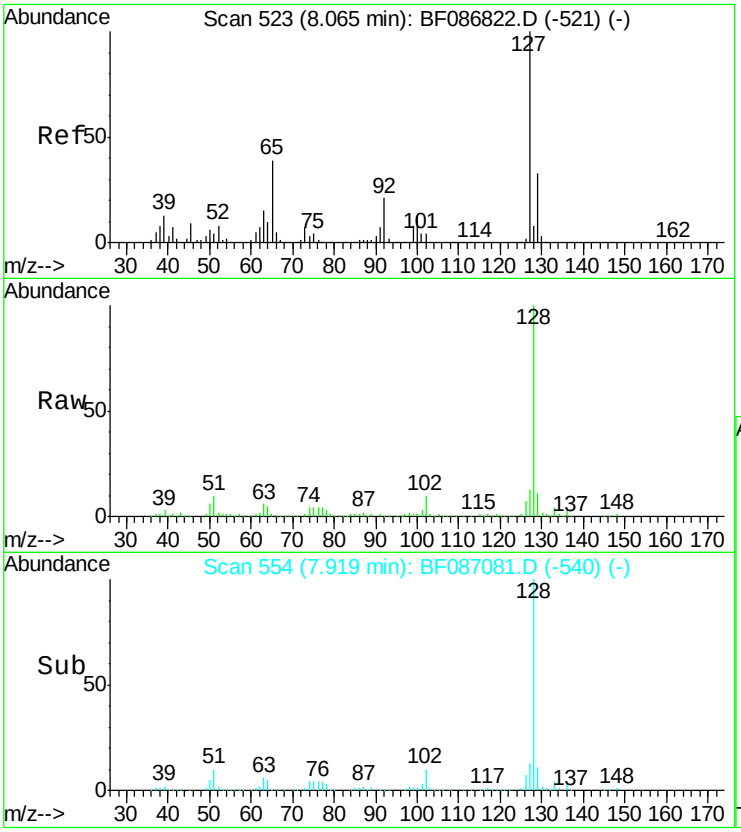


#31
Naphthalene
Concen: 6.84 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:128 Resp: 190244

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.8	16.2



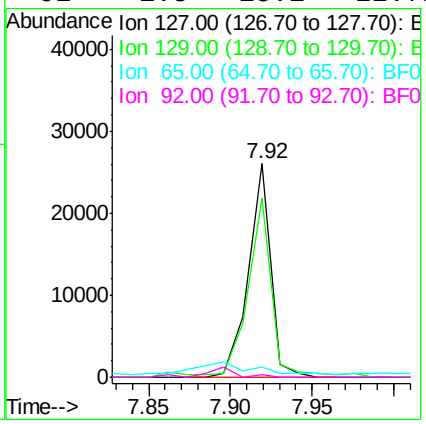


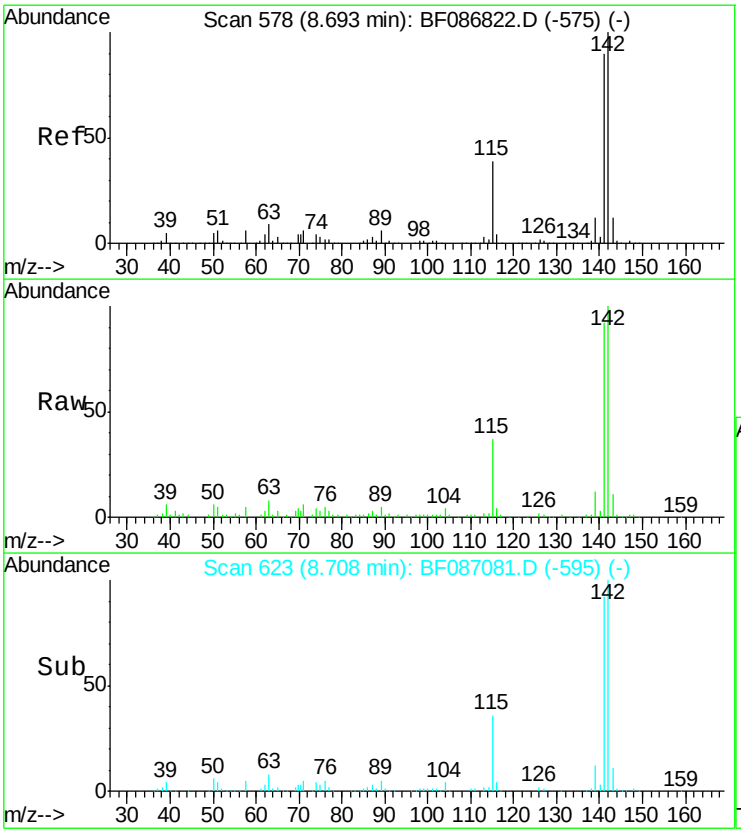
#33
4-Chloroaniline
Concen: 2.28 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.15 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:127 Resp: 24610

Ion	Ratio	Lower	Upper
127	100		
129	84.1	26.2	39.4#
65	5.1	23.0	34.4#
92	1.5	15.1	22.7#

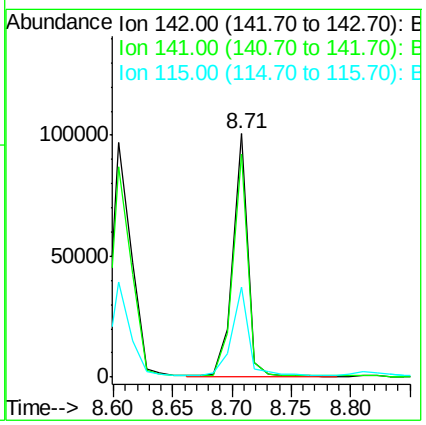


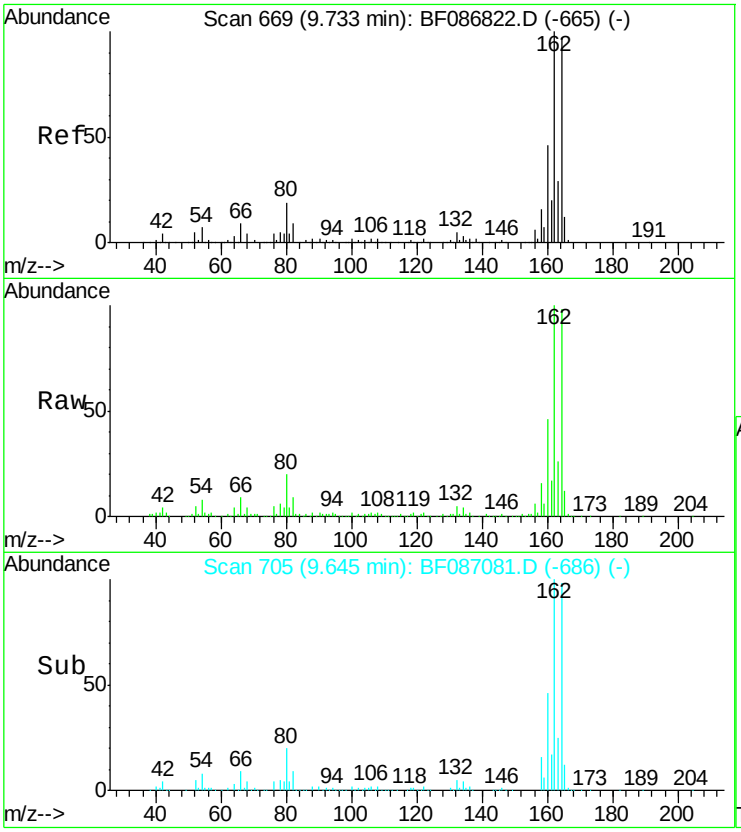


#37
2-Methylnaphthalene
Concen: 5.44 ng
RT: 8.71 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:142 Resp: 88485

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.0	106.6
115	36.9	26.6	39.8



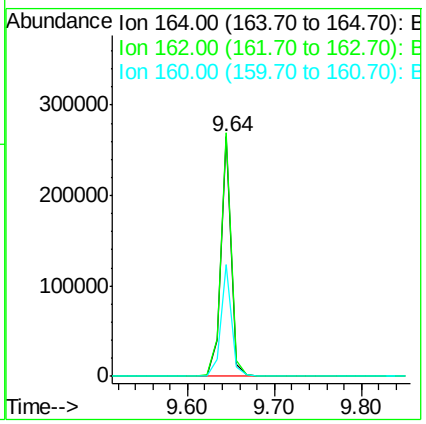


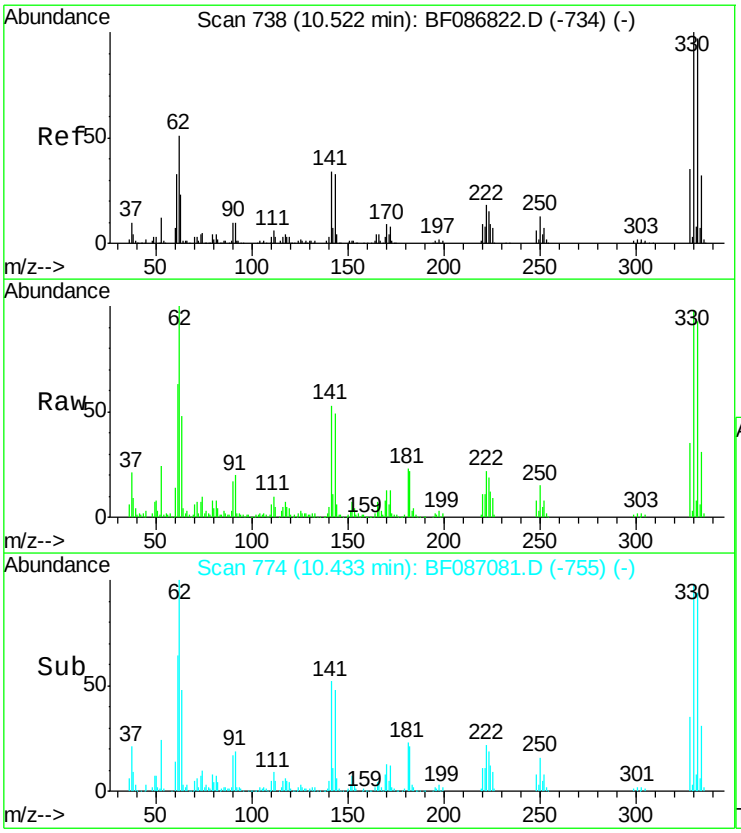
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:164 Resp: 222273

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.8	124.2
160	47.0	36.9	55.3

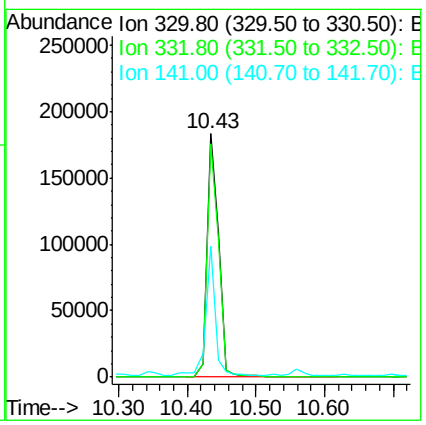


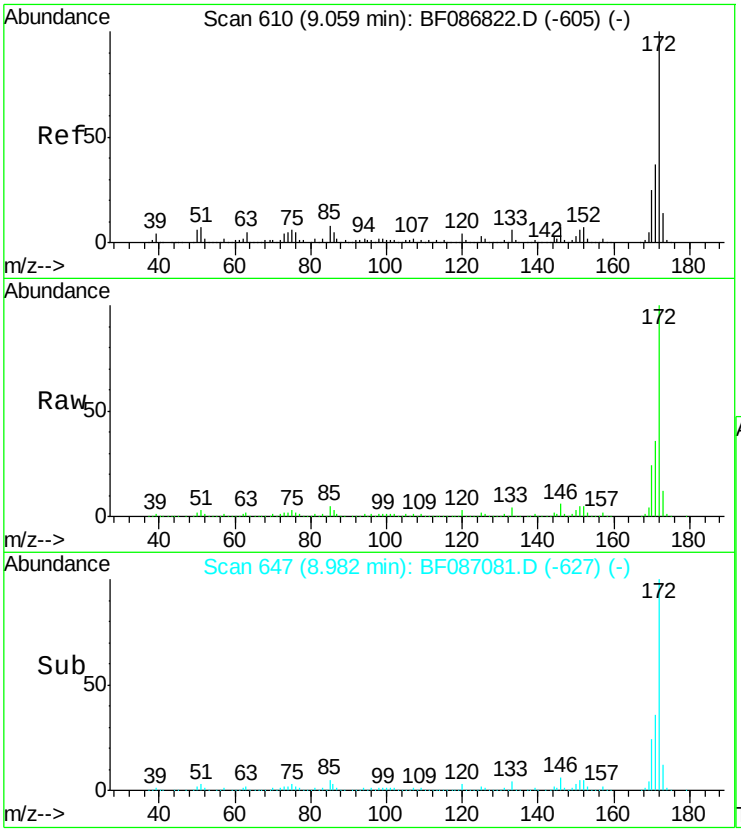


#41
2,4,6-Tribromophenol
Concen: 92.10 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:330 Resp: 216712

Ion	Ratio	Lower	Upper
330	100		
332	95.8	79.0	118.4
141	44.0	31.2	46.8



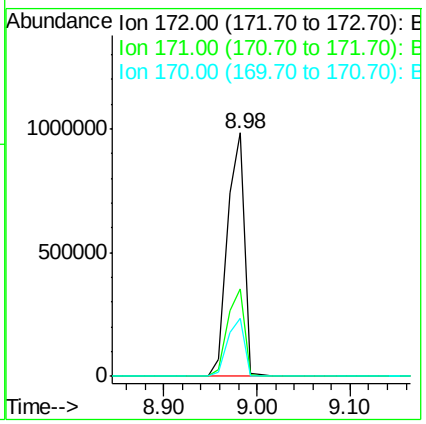


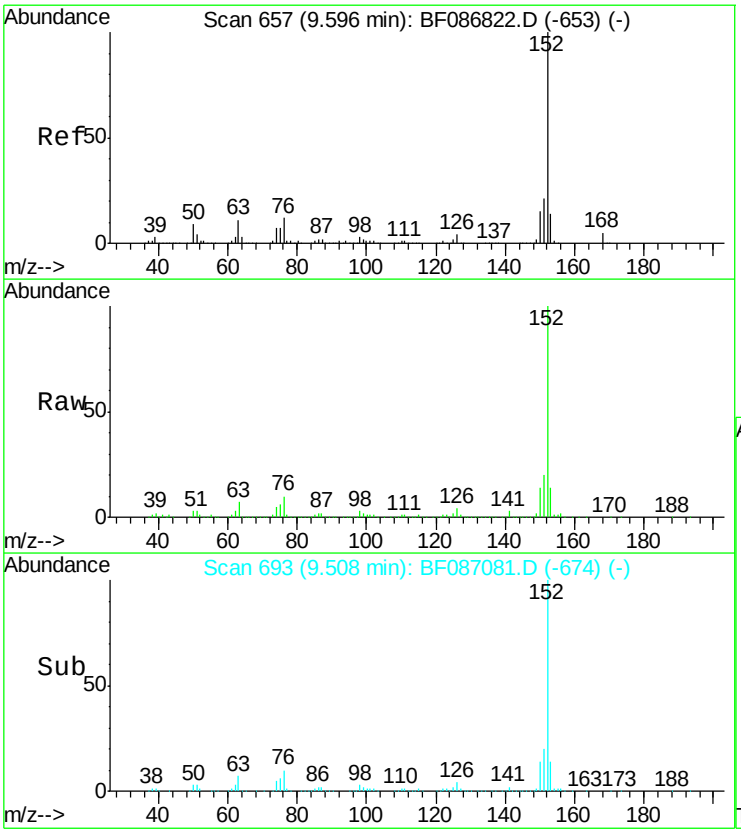
#44
2-Fluorobiphenyl
Concen: 95.18 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:172 Resp: 1258735

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.9	19.8	29.8

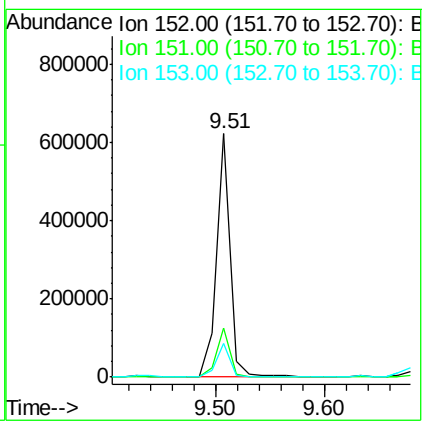


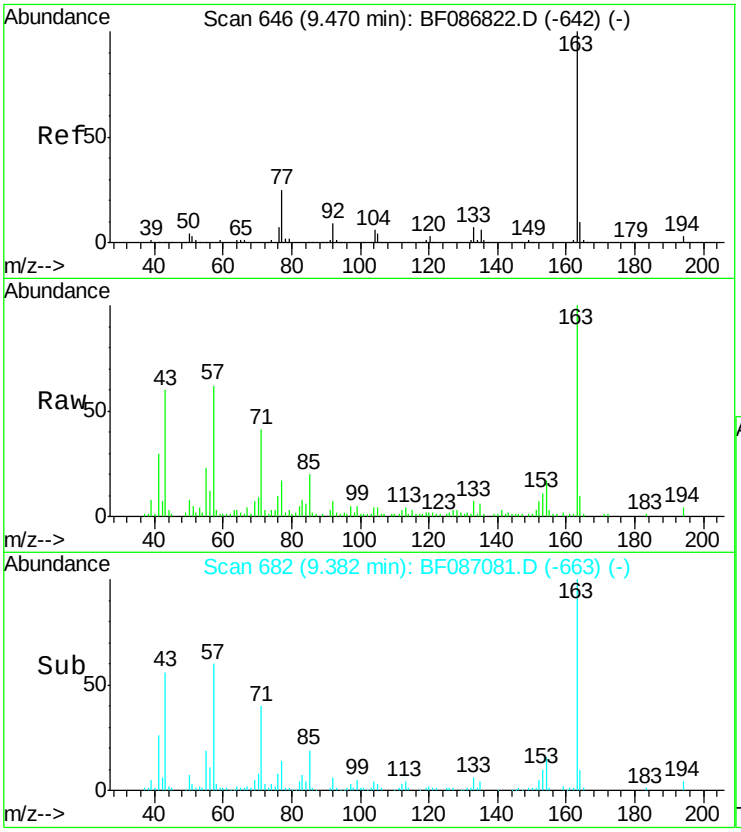


#48
Acenaphthylene
Concen: 26.87 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:152 Resp: 547375

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	14.1	10.9	16.3



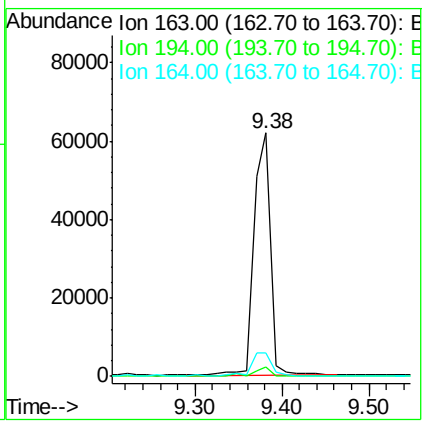


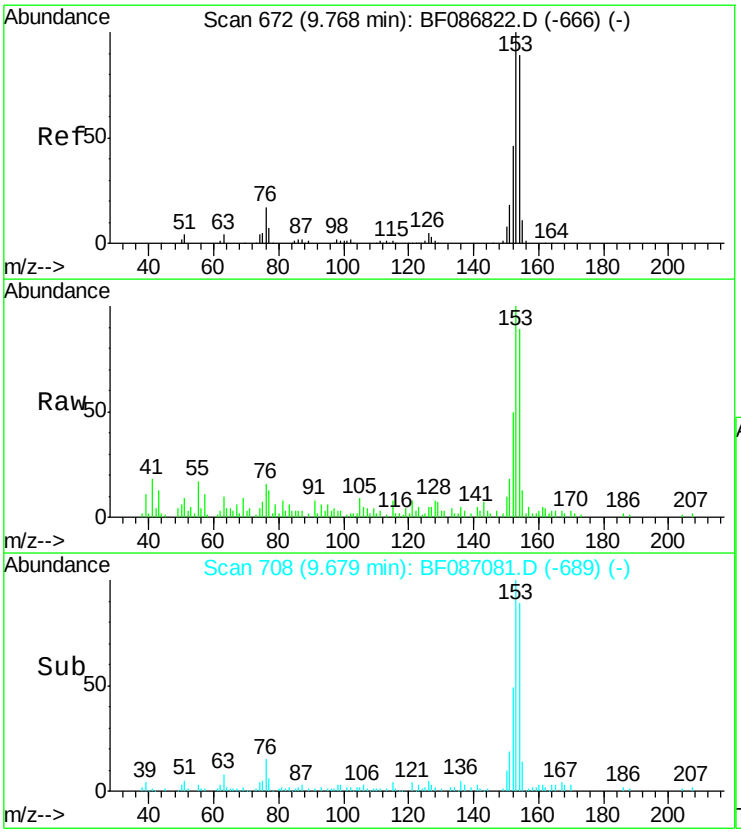
#49
Dimethylphthalate
Concen: 4.91 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:163 Resp: 83228

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.7	8.2	12.4

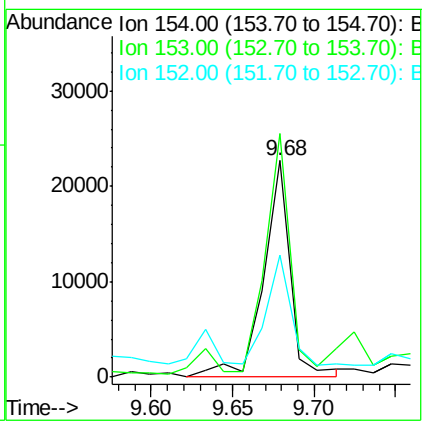


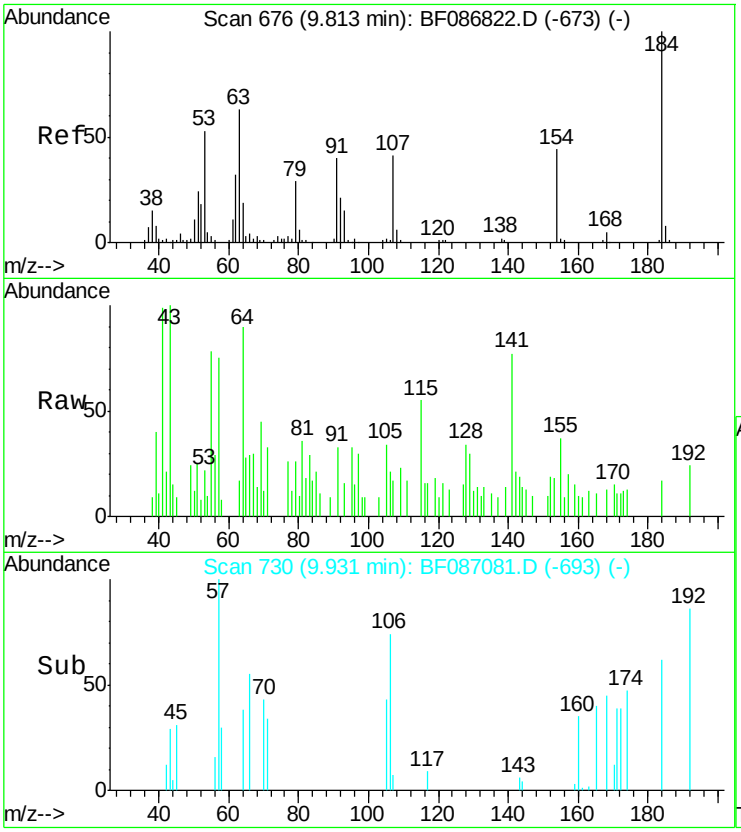


#51
Acenaphthene
Concen: 2.05 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:154 Resp: 25991

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.8	134.6
152	56.4	43.4	65.0



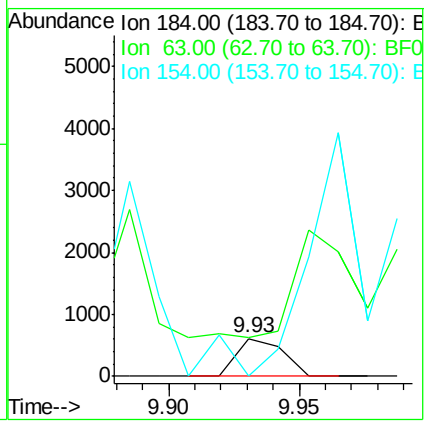


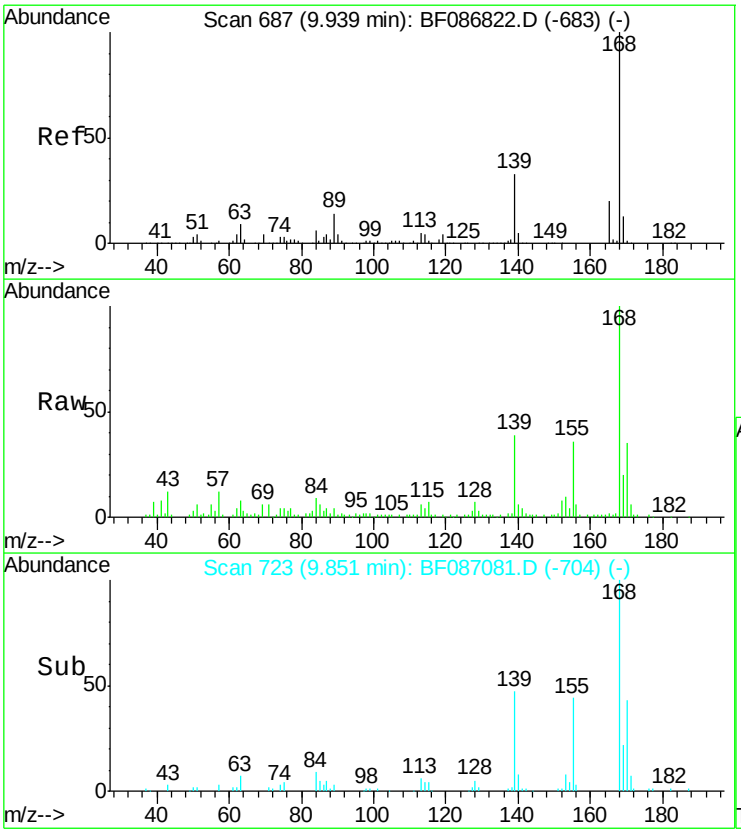
#53
2,4-Dinitrophenol
Concen: 8.07 ng
RT: 9.93 min Scan# 730
Delta R.T. 0.12 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:184 Resp: 757

Ion	Ratio	Lower	Upper
184	100		
63	101.1	55.8	83.8#
154	0.0	62.4	93.6#

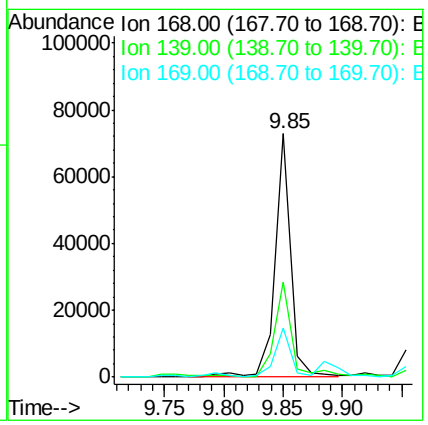


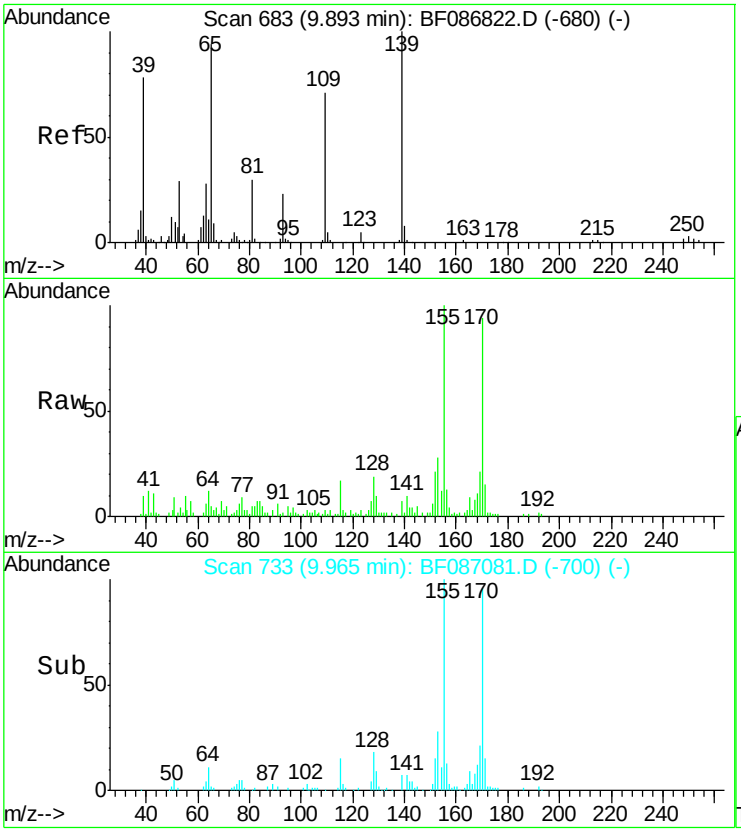


#54
Dibenzofuran
Concen: 4.14 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:168 Resp: 67378

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.4	47.0
169	20.2	10.7	16.1#



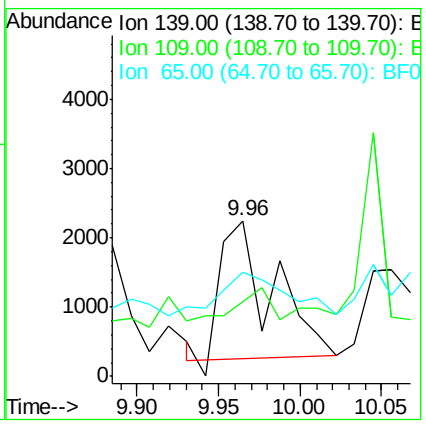


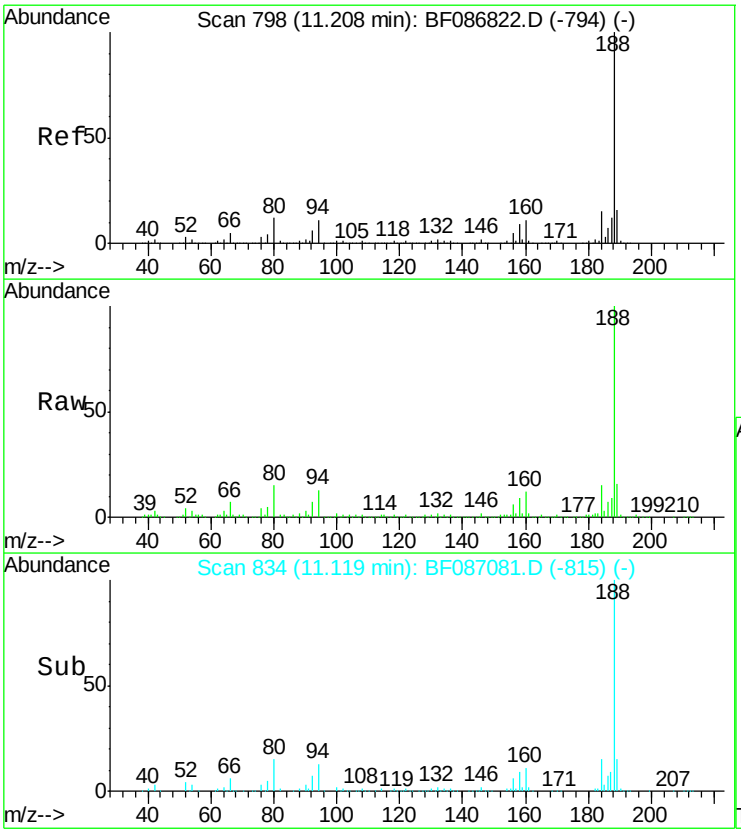
#55
4-Nitrophenol
Concen: 6.15 ng
RT: 9.96 min Scan# 733
Delta R.T. 0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:139 Resp: 4219

Ion	Ratio	Lower	Upper
139	100		
109	48.4	36.9	76.9
65	66.9	64.0	104.0

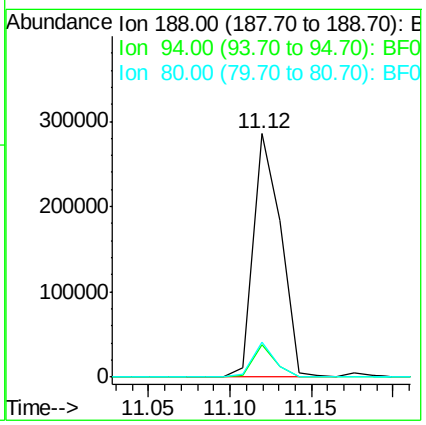


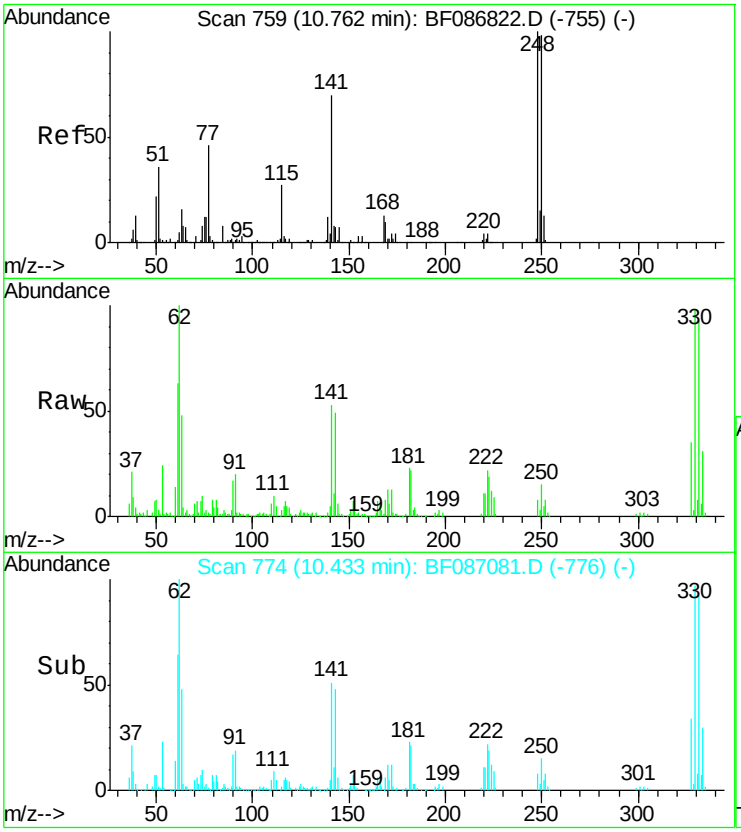


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:188 Resp: 335145

Ion	Ratio	Lower	Upper
188	100		
94	13.3	6.8	10.2#
80	14.6	7.1	10.7#



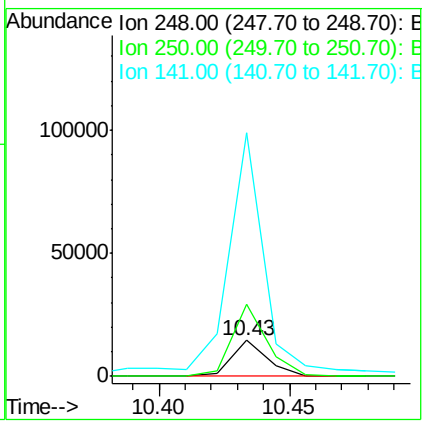


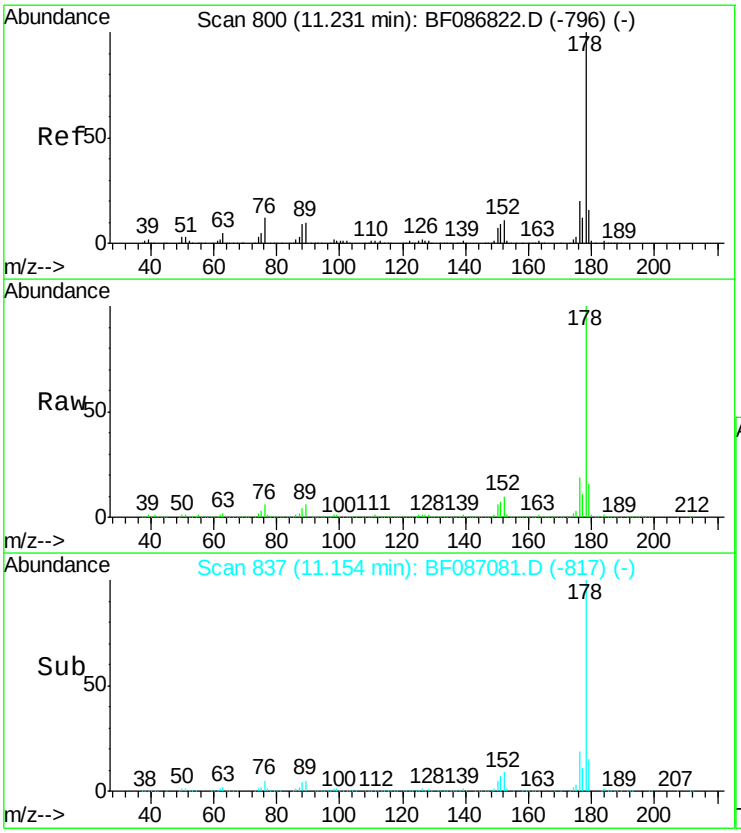
#66
4-Bromophenyl-phenylether
Concen: 4.10 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:248 Resp: 13931

Ion	Ratio	Lower	Upper
248	100		
250	197.9	78.6	117.8#
141	672.9	76.0	114.0#

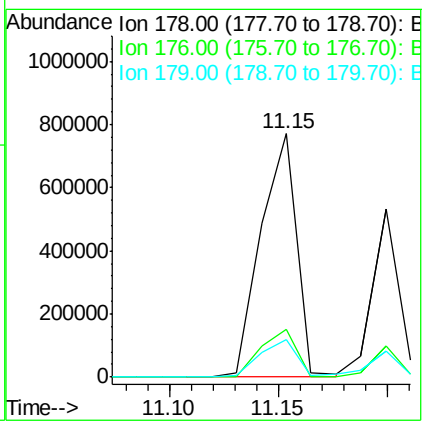


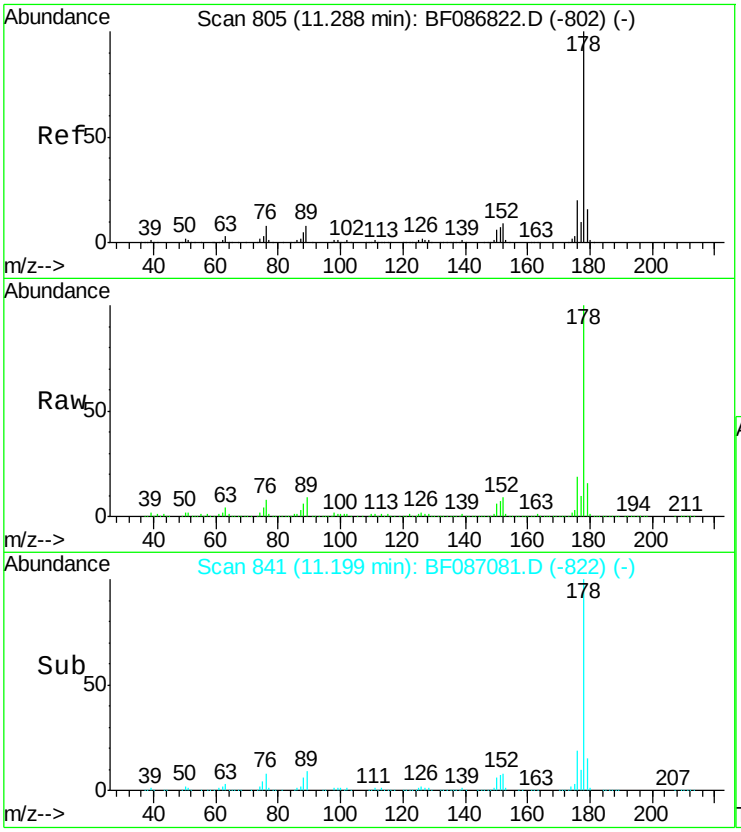


#70
Phenanthrene
Concen: 49.63 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:178 Resp: 887623

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.5	12.6	18.8



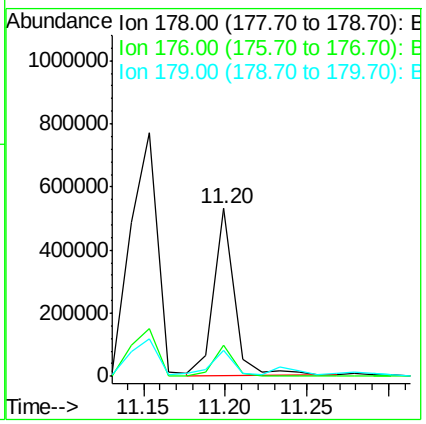


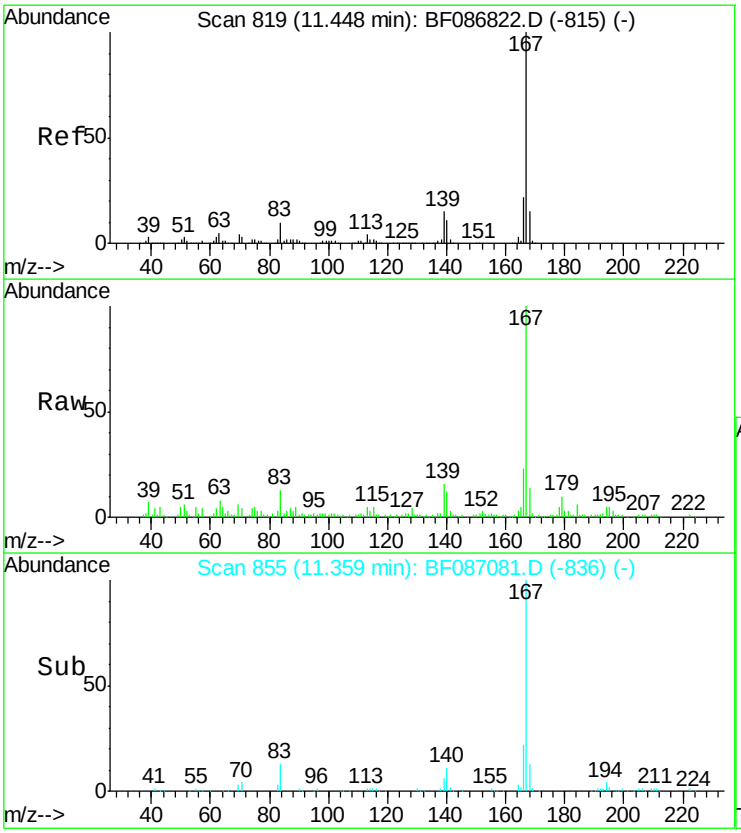
#71
Anthracene
Concen: 25.01 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:178 Resp: 457456

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.7	12.7	19.1

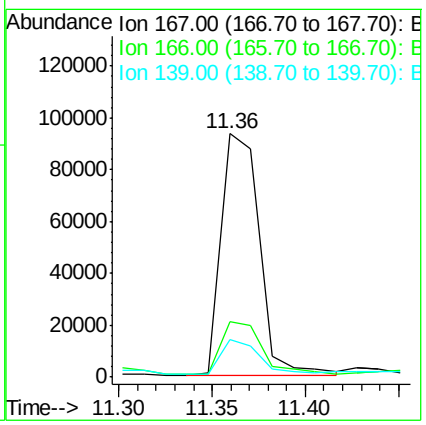


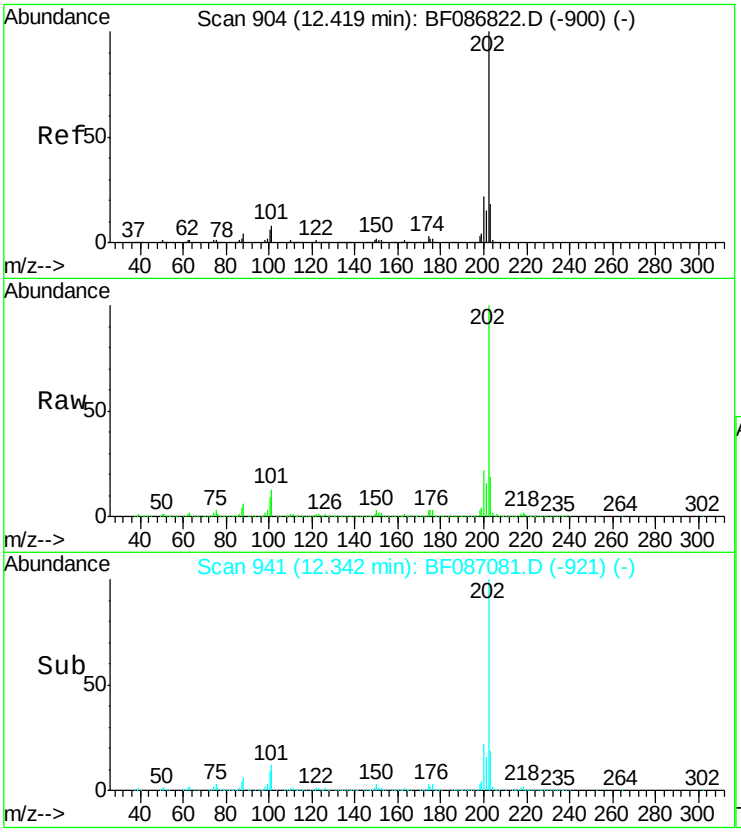


#72
Carbazole
Concen: 8.50 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:167 Resp: 133710

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.7	26.5
139	15.5	10.8	16.2



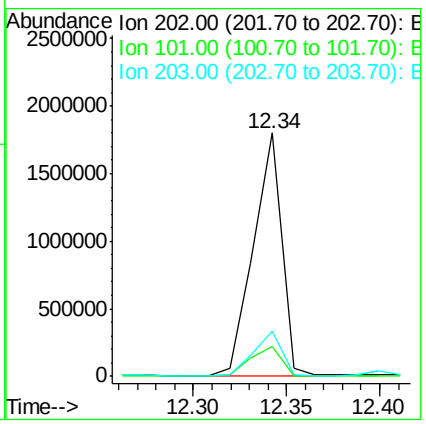


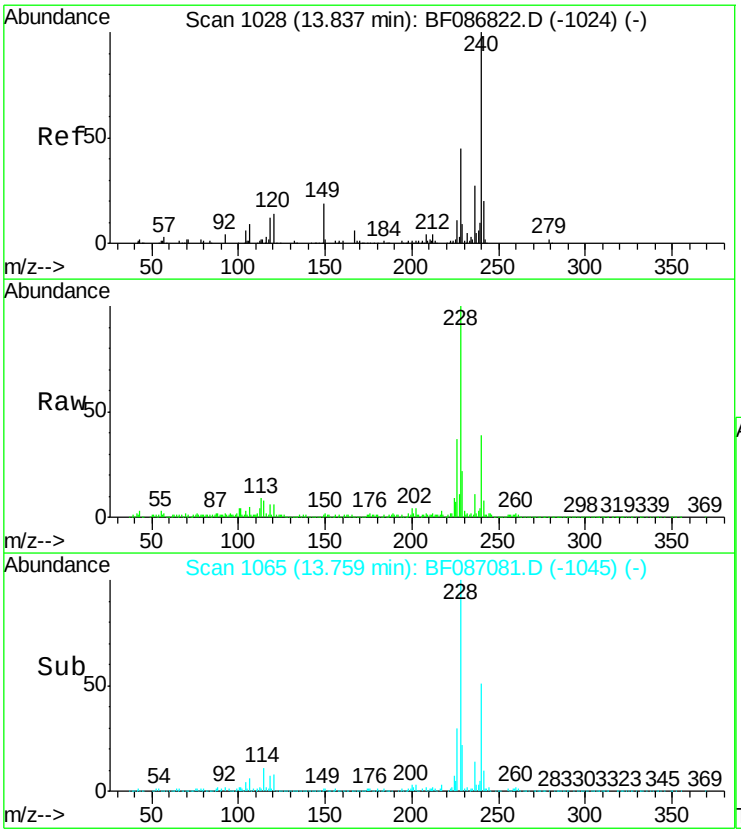
#74
Fluoranthene
Concen: 102.94 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:202 Resp: 1893597

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	35.4
203	18.6	0.0	38.1

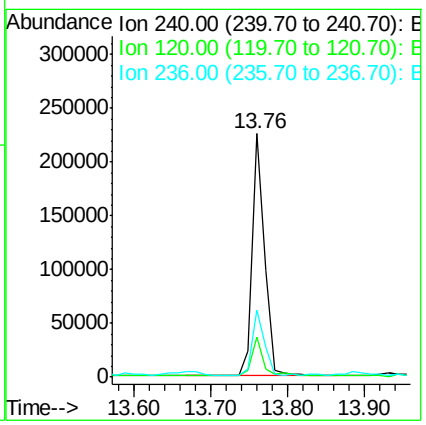


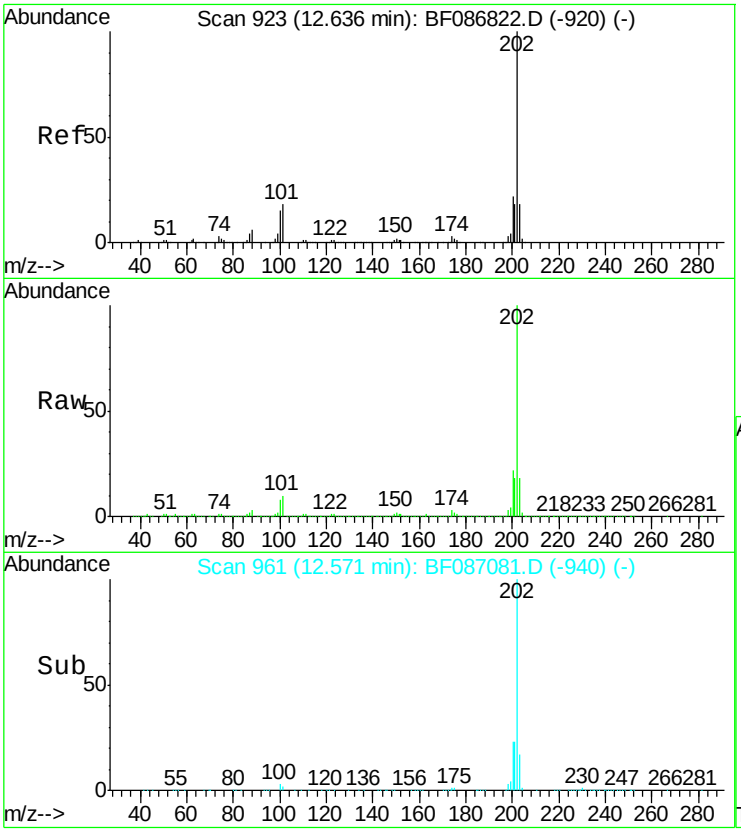


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:240 Resp: 251689

Ion	Ratio	Lower	Upper
240	100		
120	16.5	11.2	16.8
236	27.3	21.2	31.8



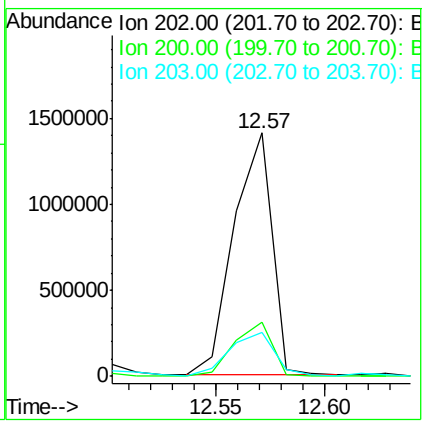


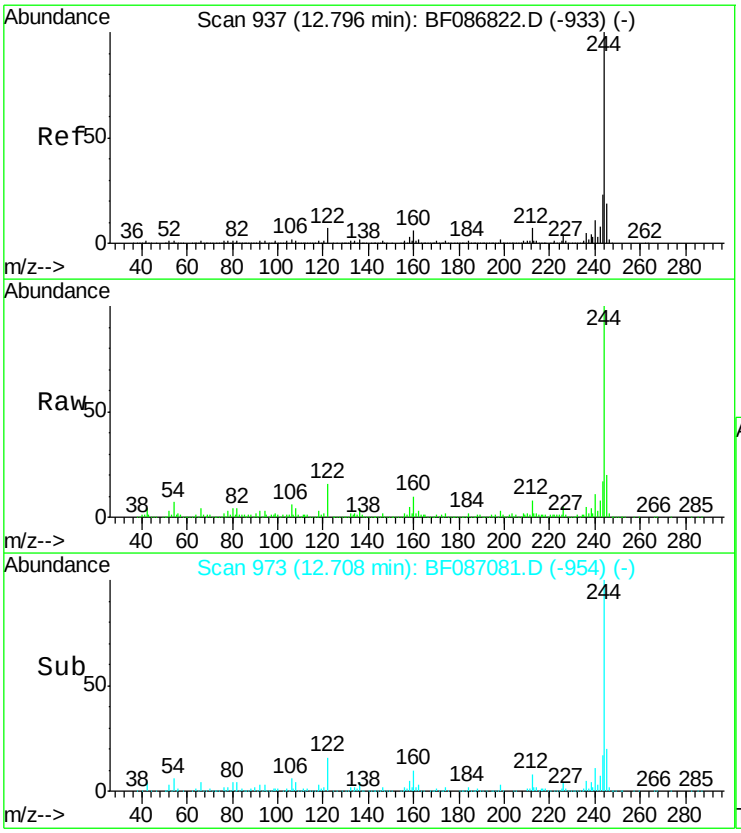
#77
Pyrene
Concen: 89.49 ng
RT: 12.57 min Scan# 961
Delta R.T. -0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:202 Resp: 1724429

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.0	14.2	21.4

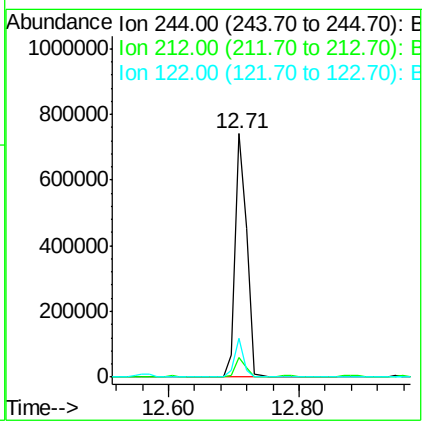


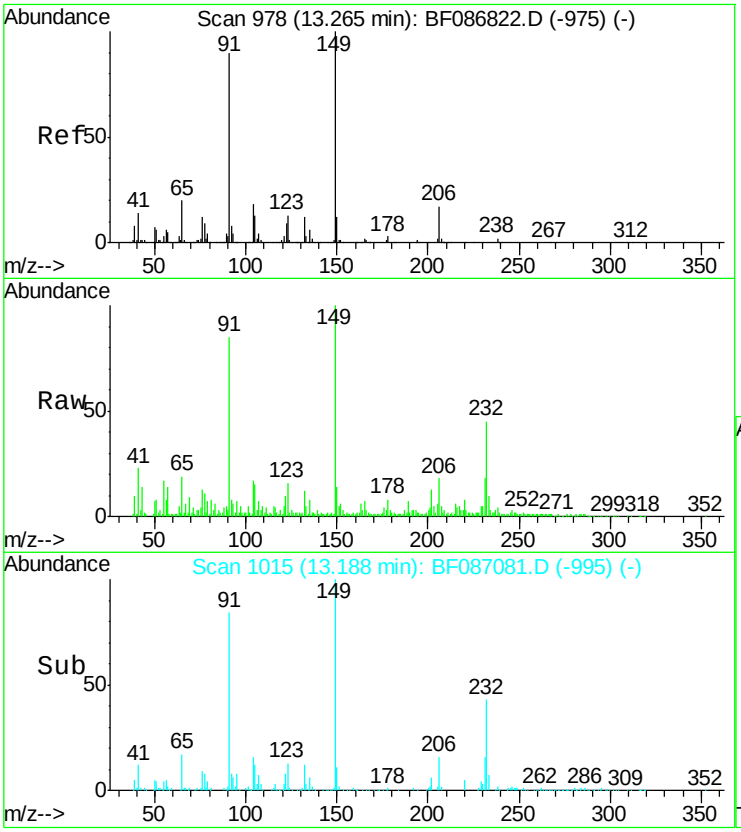


#78
Terphenyl-d14
Concen: 74.39 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:244 Resp: 882409

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	15.7	12.0	18.0



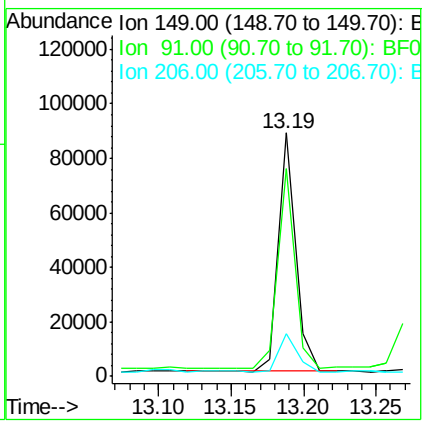


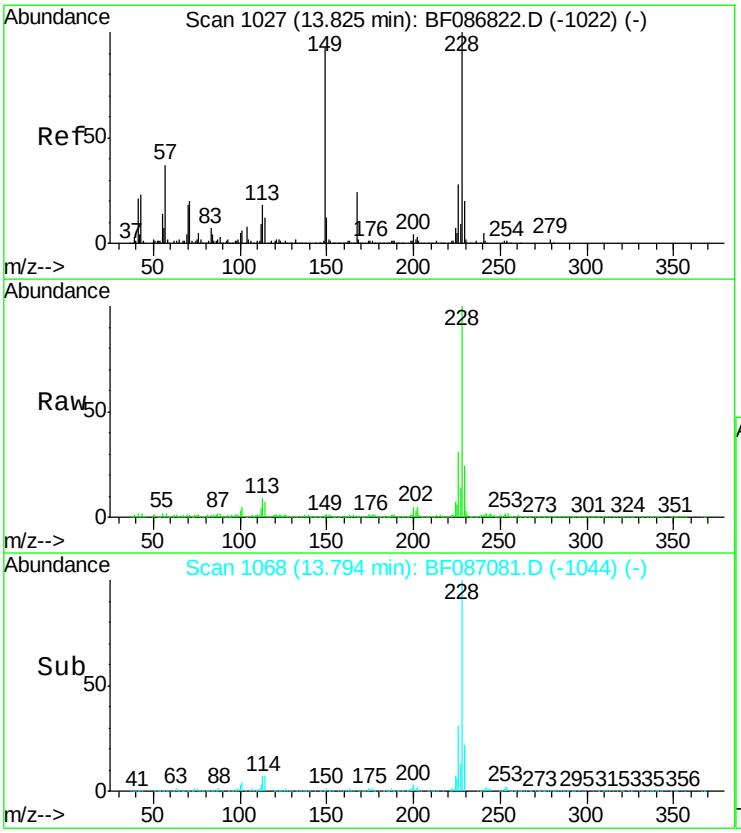
#79
Butylbenzylphthalate
Concen: 8.99 ng
RT: 13.19 min Scan# 1015
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:149 Resp: 73260

Ion	Ratio	Lower	Upper
149	100		
91	85.5	48.0	72.0#
206	17.8	15.8	23.6

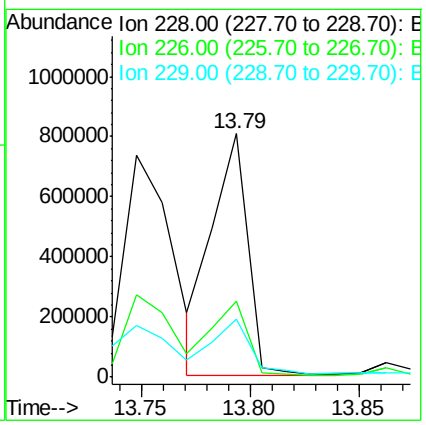


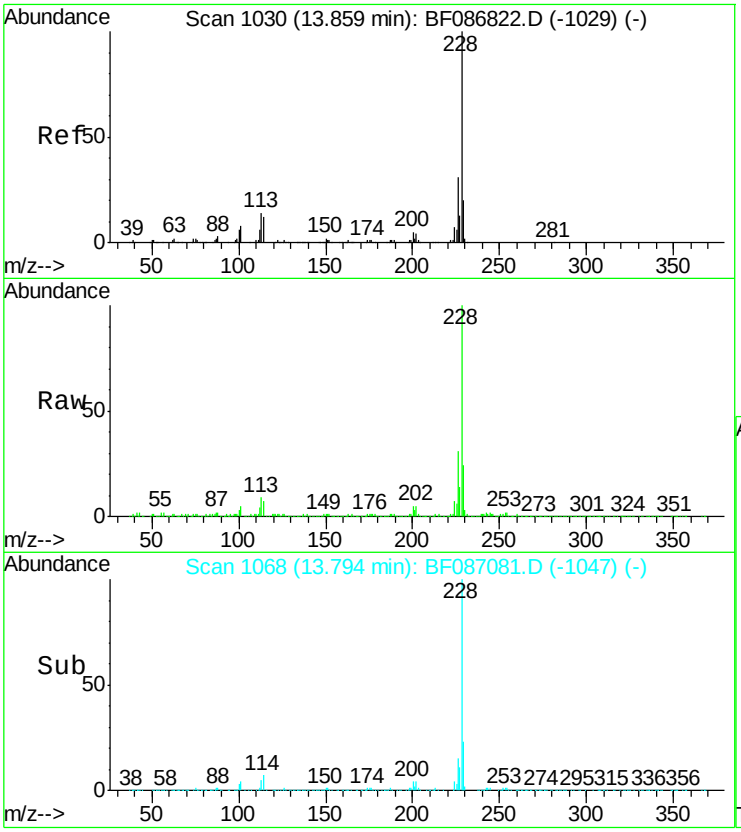


#80
Benzo(a)anthracene
Concen: 65.30 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.03 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:228 Resp: 922681

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.5	33.7
229	23.7	16.6	25.0



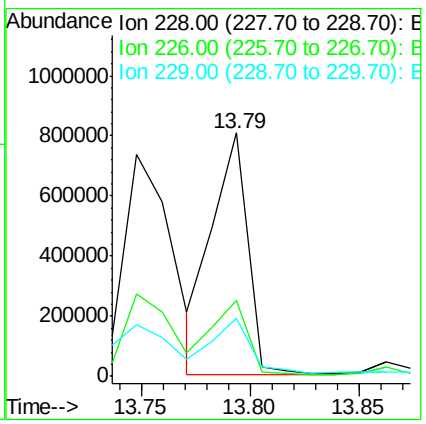


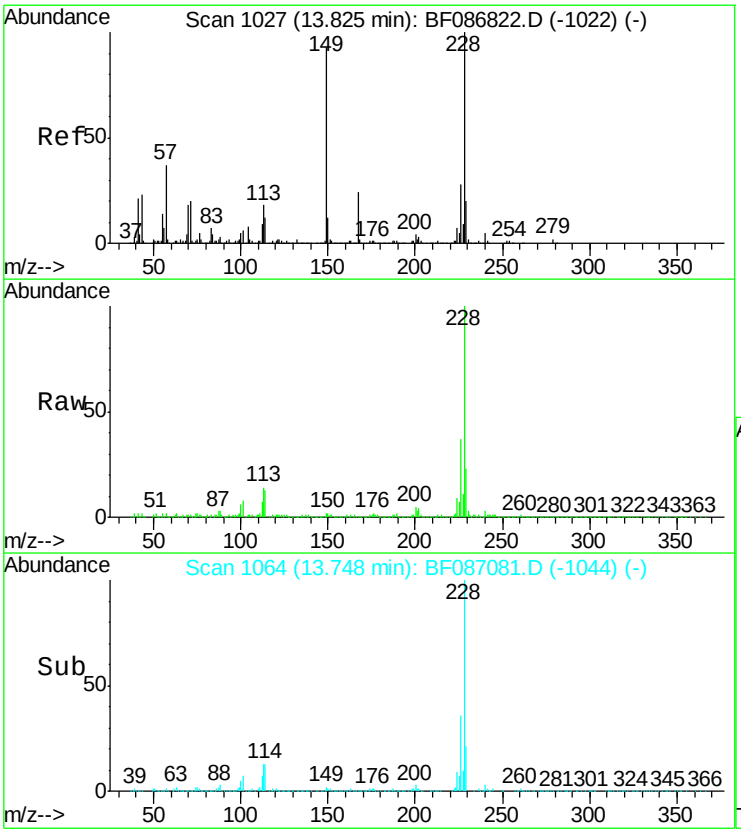
#82
Chrysene
Concen: 64.25 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:228 Resp: 923434

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	23.7	15.8	23.8

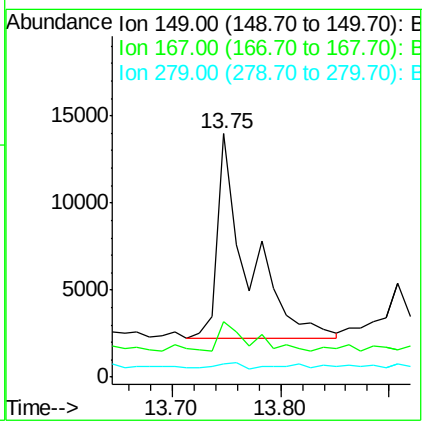


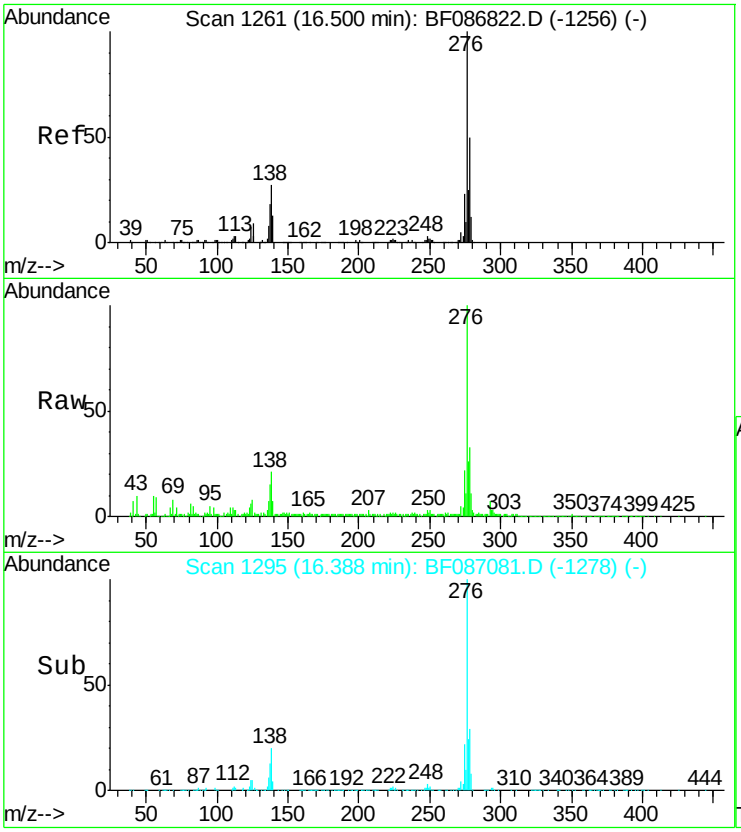


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.38 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:149 Resp: 23322

Ion	Ratio	Lower	Upper
149	100		
167	22.9	21.8	32.6
279	5.6	2.6	4.0#



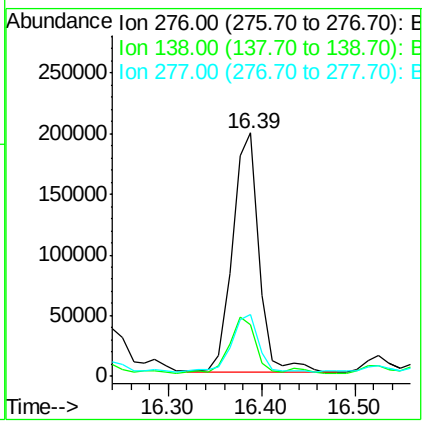


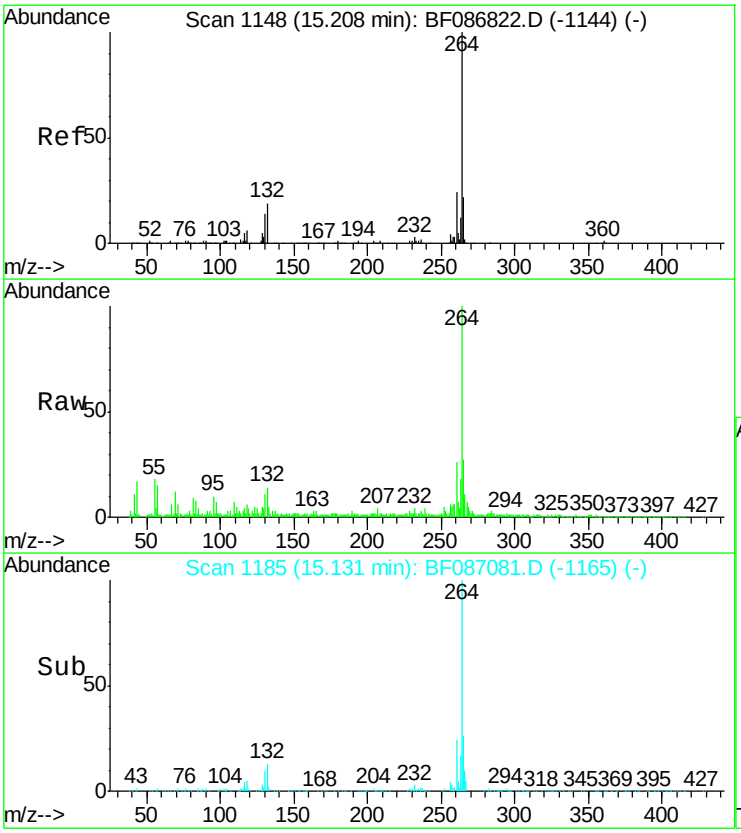
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.66 ng
RT: 16.39 min Scan# 1295
Delta R.T. -0.11 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:276 Resp: 390608

Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.6	38.4#
277	25.3	20.5	30.7

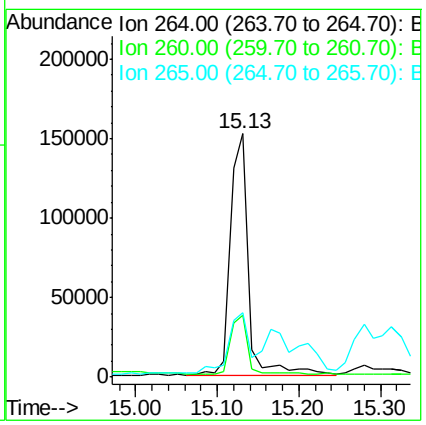


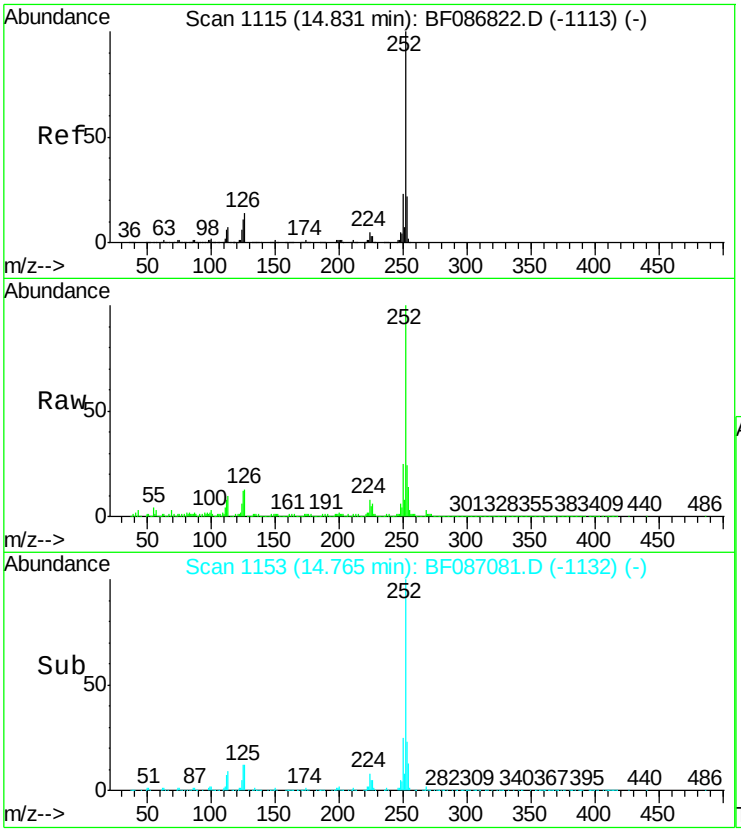


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:264 Resp: 235015

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	26.7	17.3	25.9#



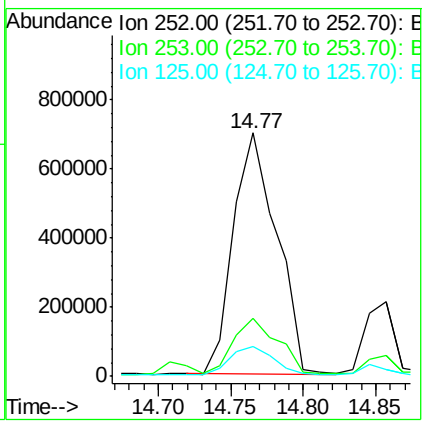


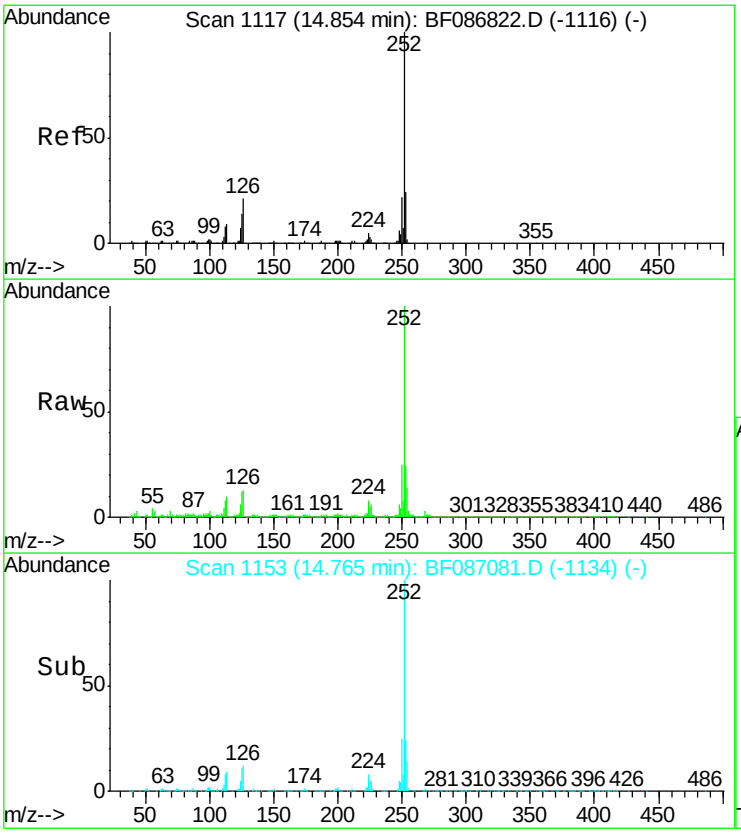
#87
Benzo(b)fluoranthene
Concen: 94.80 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:252 Resp: 1447953

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.2	11.4	17.0

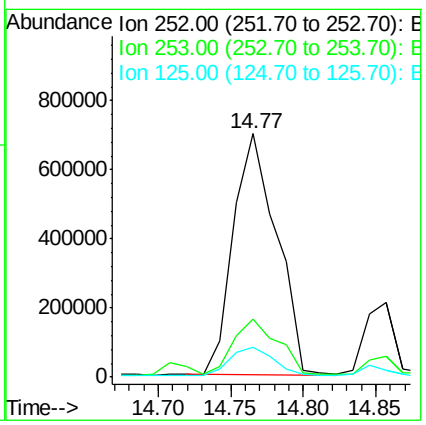


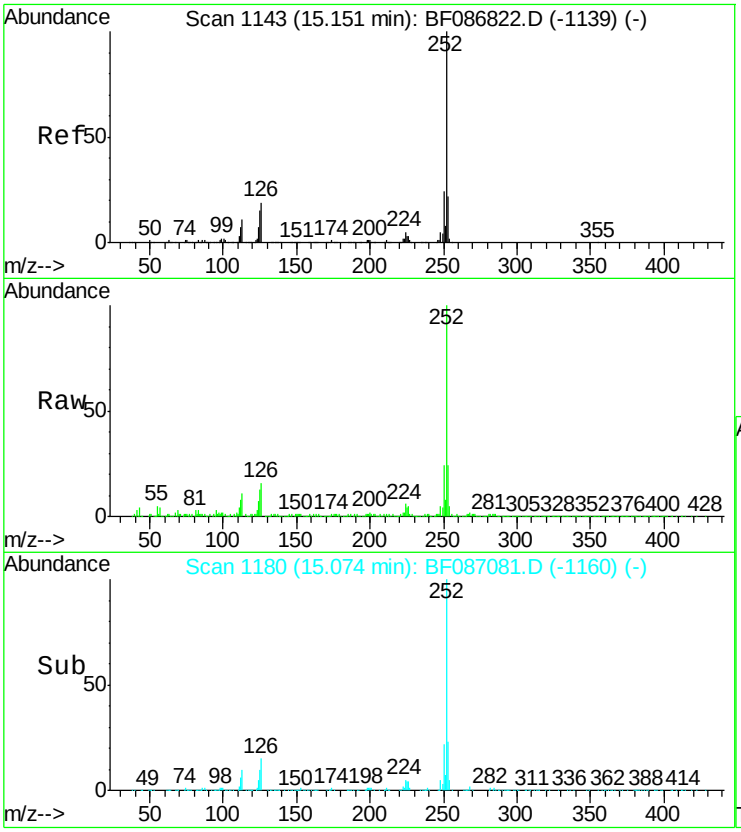


#88
Benzo(k)fluoranthene
Concen: 115.78 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:252 Resp: 1447953

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.2	9.1	13.7



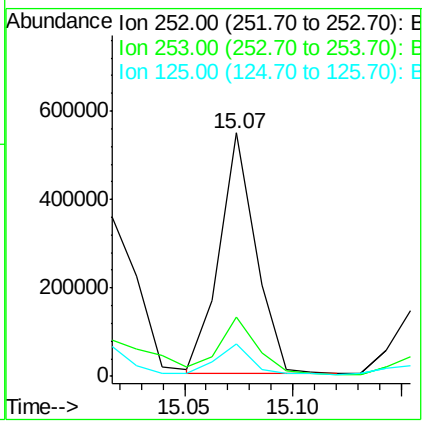


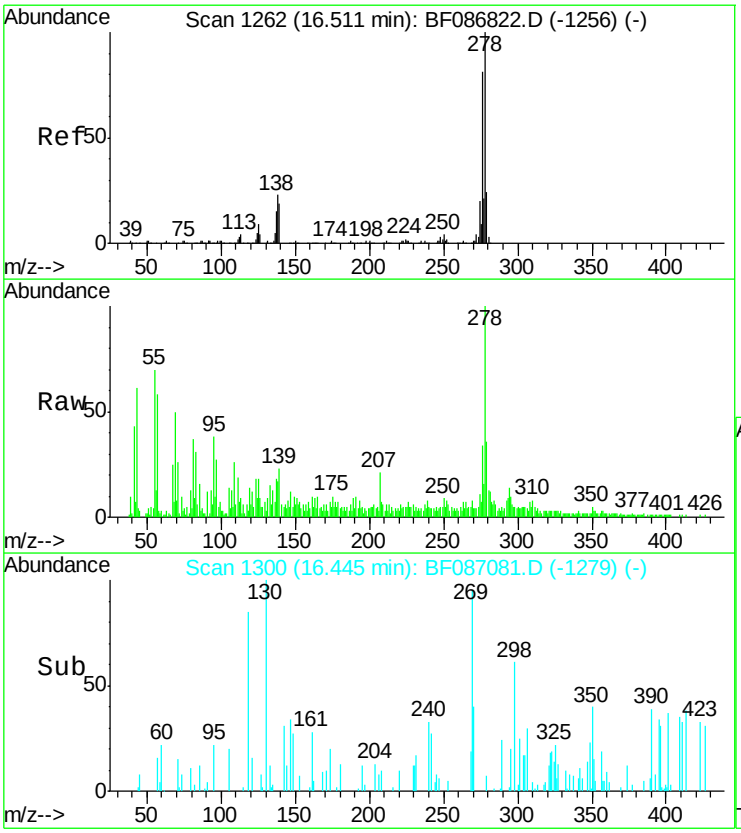
#89
Benzo(a)pyrene
Concen: 48.11 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:252 Resp: 633776

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	13.1	9.0	13.6

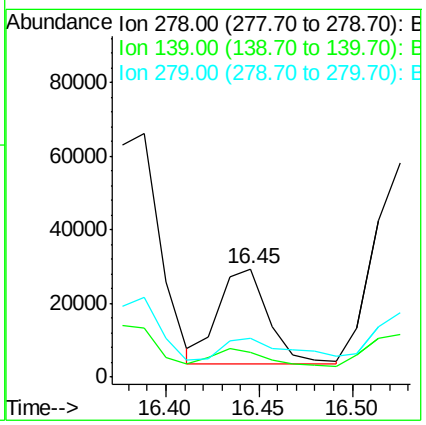


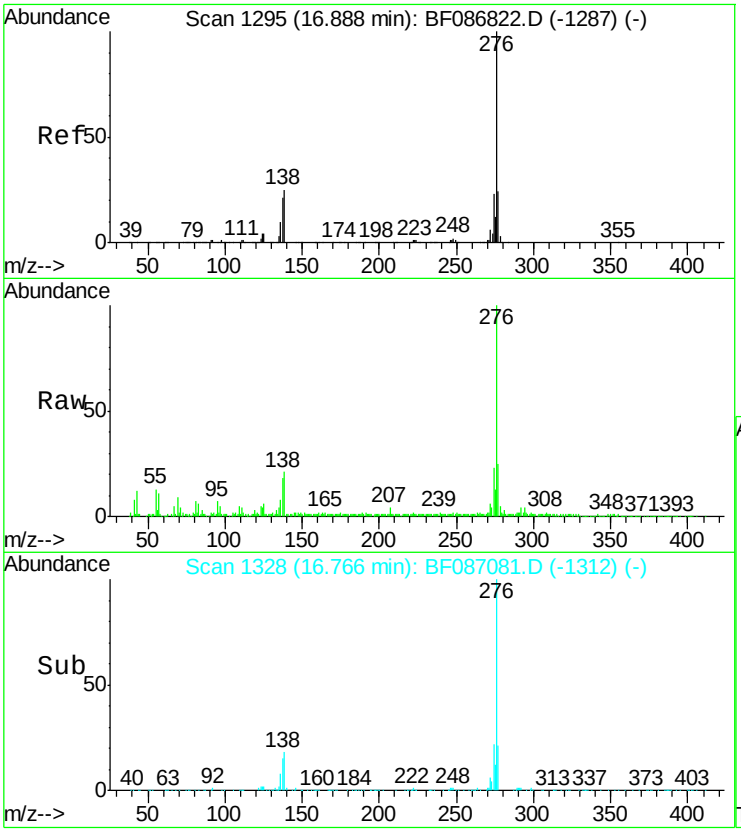


#90
Dibenzo(a,h)anthracene
Concen: 4.34 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.07 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Tgt Ion:278 Resp: 48230

Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	36.4	19.6	29.4#





#91
Benzo(g,h,i)perylene
Concen: 27.53 ng
RT: 16.77 min Scan# 1328
Delta R.T. -0.12 min
Lab File: BF087081.D
Acq: 16 May 2016 15:07

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:276 Resp: 310569

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	20.6	23.6	35.4#