Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\Data\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Time: May 18 13:14:39 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	143139	20.00	ng		-0.01
21) Naphthalene-d8	7.88	136	563645	20.00	ng		-0.01
38) Acenaphthene-d10	9.63	164	251105	20.00	ng		-0.01
63) Phenanthrene-d10	11.11	188	387406	20.00	ng		-0.01
75) Chrysene-d12	13.74	240	257848	20.00	ng		-0.02
86) Perylene-d12	15.11	264	308951	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	774077	90.90	ng		-0.01
7) Phenol-d6	6.26	99	1049500	91.89	ng		-0.02
23) Nitrobenzene-d5	7.16	82	688882	60.91	ng		-0.02
41) 2,4,6-Tribromophenol	10.42	330	208840	75.26	ng		-0.02
44) 2-Fluorobiphenyl	8.96	172	923176	60.89	ng		-0.02
78) Terphenyl-d14	12.70	244	582080	51.07	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.10	77	780	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.16	70	96559	11.12	ng	#	73
31) Naphthalene	7.90	128	146101	5.30	ng		98
37) 2-Methylnaphthalene	8.59	142	79607	4.52	ng		98
48) Acenaphthylene	9.48	152	316382	12.96	ng		97
49) Dimethylphthalate	9.36	163	104176	5.44	ng		99
53) 2,4-Dinitrophenol	9.91	184	217	4.82	ng	#	1
54) Dibenzofuran	9.84	168	70923	3.60	ng	#	94
55) 4-Nitrophenol	9.83	139	29949	19.03	ng	#	19
57) Fluorene	10.17	166	74735	4.72	ng	#	97
66) 4-Bromophenyl-phenylether	10.42	248	12725	3.19	ng	#	1
70) Phenanthrene	11.13	178	688819	32.78	ng		99
71) Anthracene	11.18	178	306889	14.44	ng		98
72) Carbazole	11.35	167	101878	5.25	ng		99
74) Fluoranthene	12.32	202	1368653	65.01	ng		96
77) Pyrene	12.55	202	1409442	75.66	ng		100
80) Benzo(a)anthracene	13.74	228	975646	65.44	ng	#	92
82) Chrysene	13.74	228	975646	67.64	ng		94
85) Indeno(1,2,3-cd)pyrene	16.21	276	82776	6.54	ng		92
87) Benzo(b)fluoranthene	14.74	252	1732138	84.51	ng		96
88) Benzo(k)fluoranthene	14.74	252	1732138	113.52	ng		99
89) Benzo(a)pyrene	15.05	252	669395	39.07	ng		96
90) Dibenzo(a,h)anthracene	16.49	278	78239	5.42	ng		94
91) Benzo(g,h,i)perylene	16.72	276	291640	20.02	ng	#	92

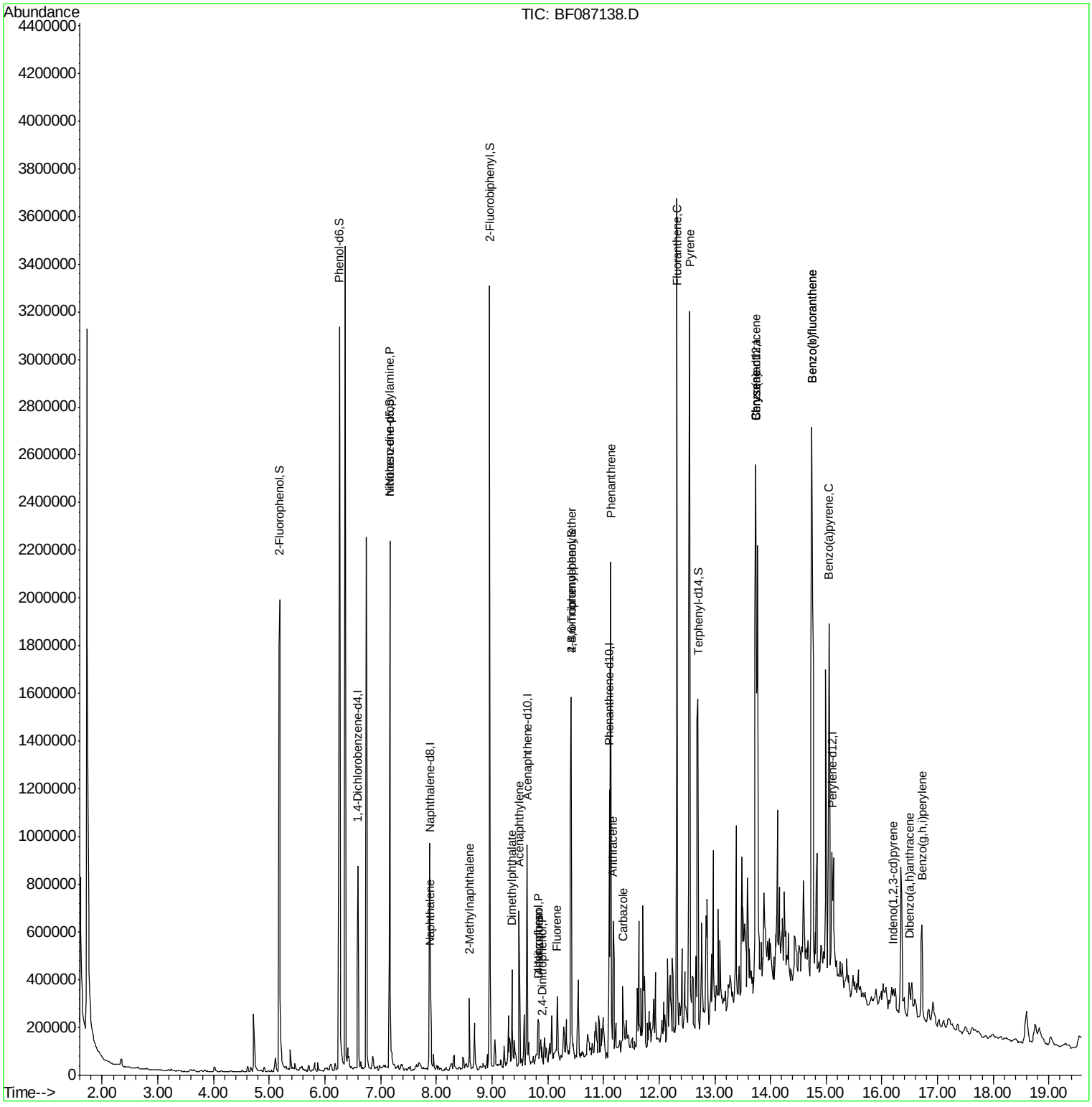
(#) = qualifier out of range (m) = manual integration (+) = signals summed

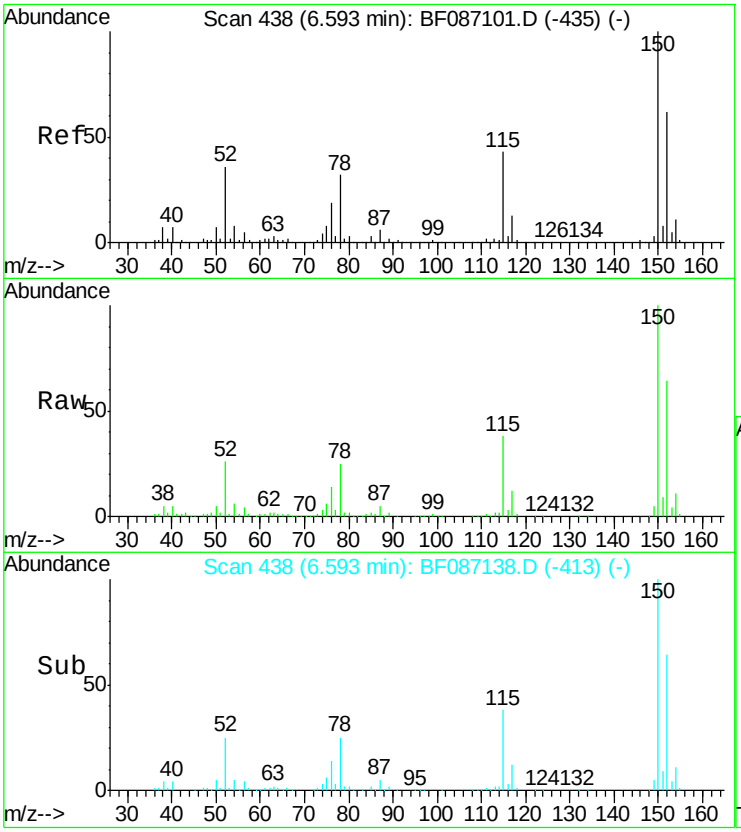
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\Data\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Quant Time: May 18 13:14:39 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration



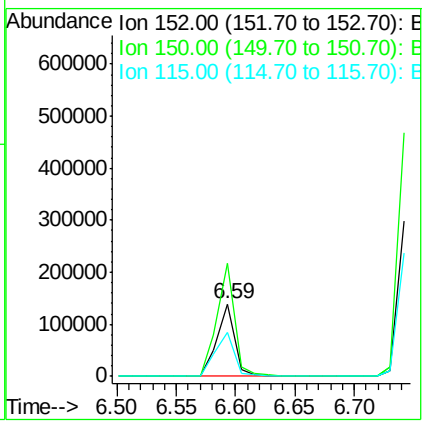


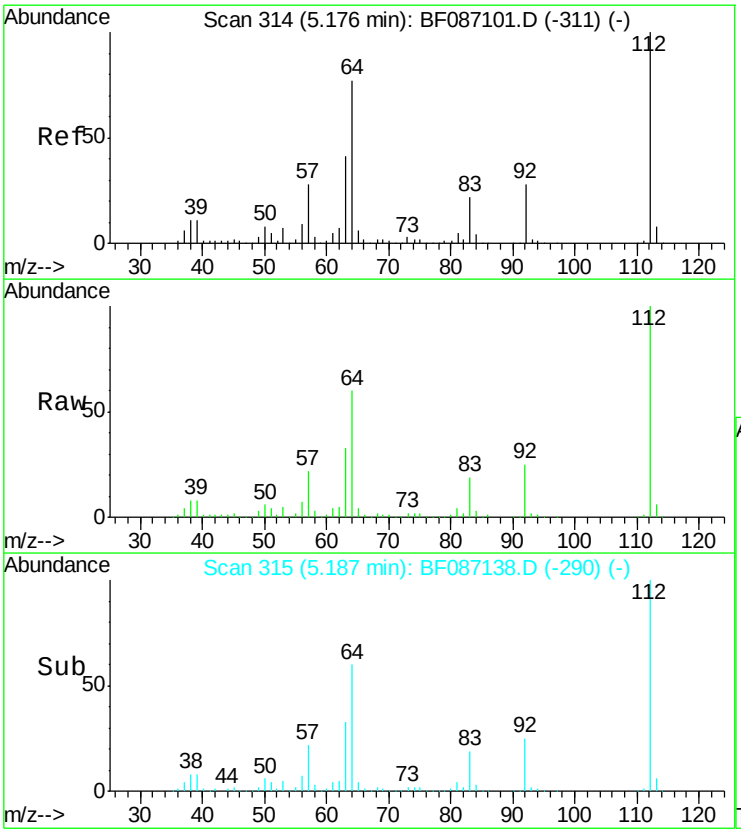
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:152 Resp: 143139

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.8	188.6
115	60.2	51.5	77.3

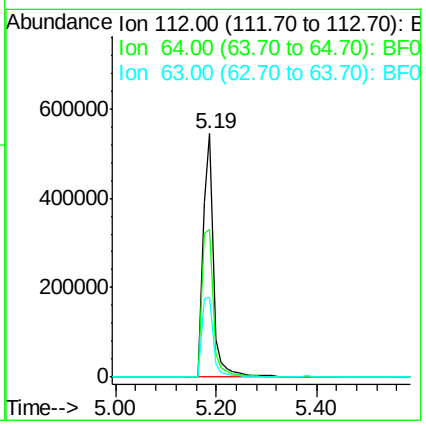


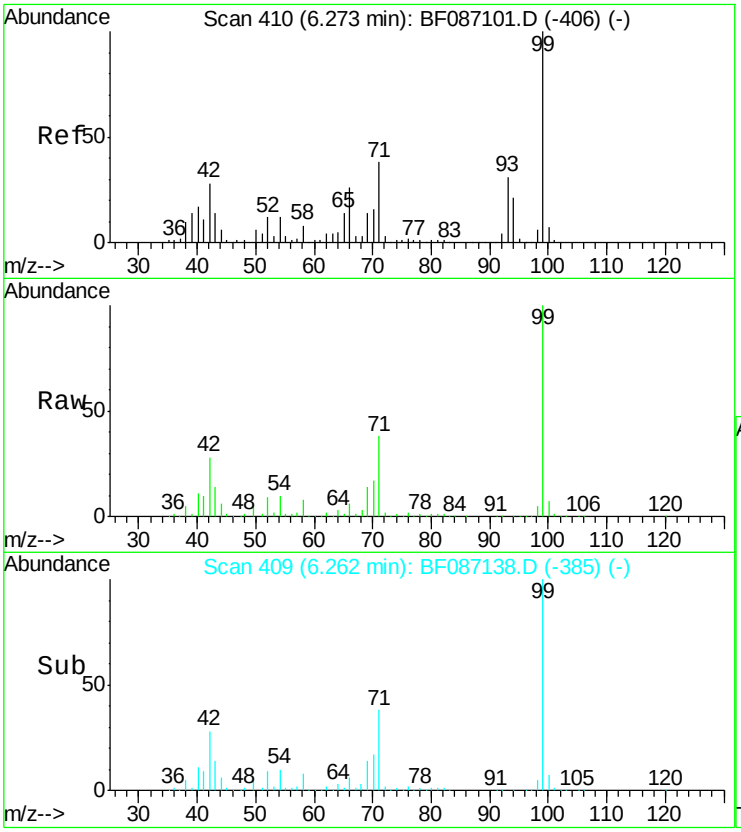


#5
2-Fluorophenol
Concen: 90.90 ng
RT: 5.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:112 Resp: 774077

Ion	Ratio	Lower	Upper
112	100		
64	60.4	52.1	78.1
63	32.6	25.7	38.5



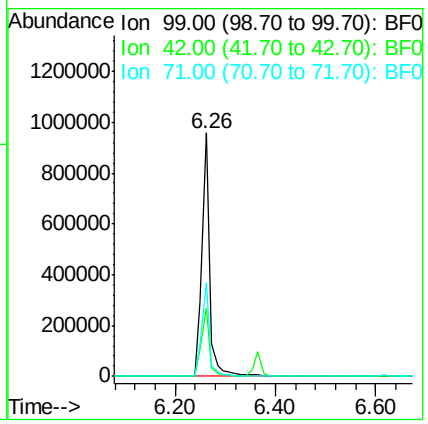


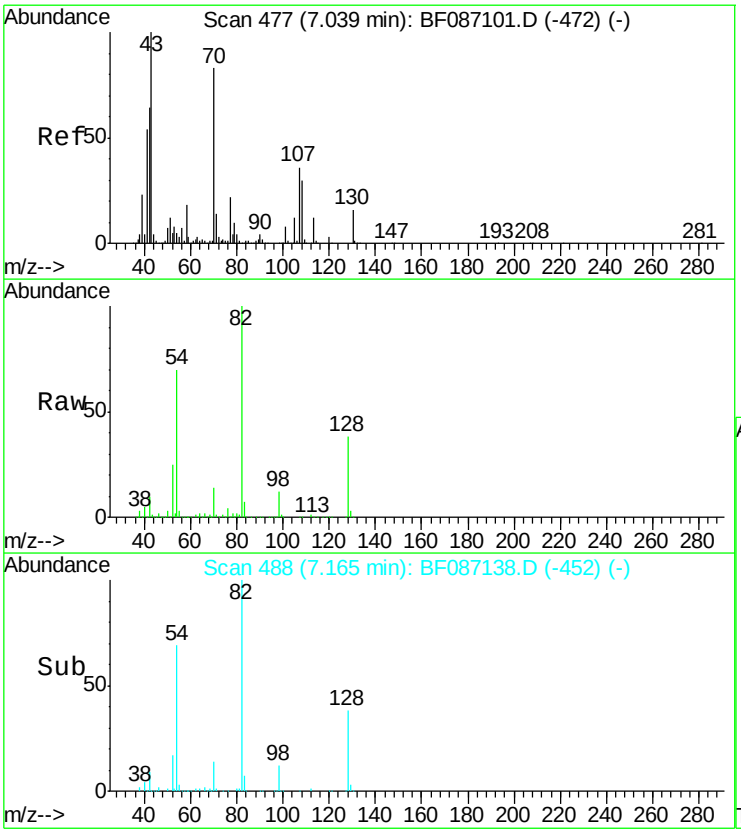
#7
Phenol-d6
Concen: 91.89 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion: 99 Resp: 1049500

Ion	Ratio	Lower	Upper
99	100		
42	27.9	13.6	20.4#
71	38.3	24.6	36.8#

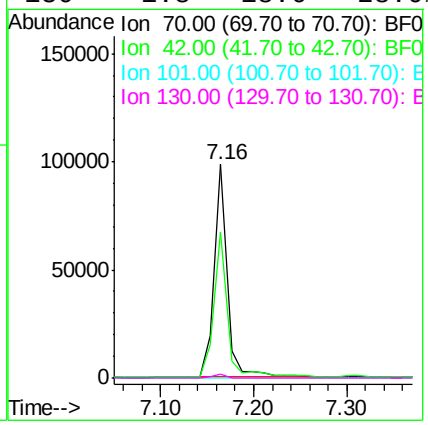


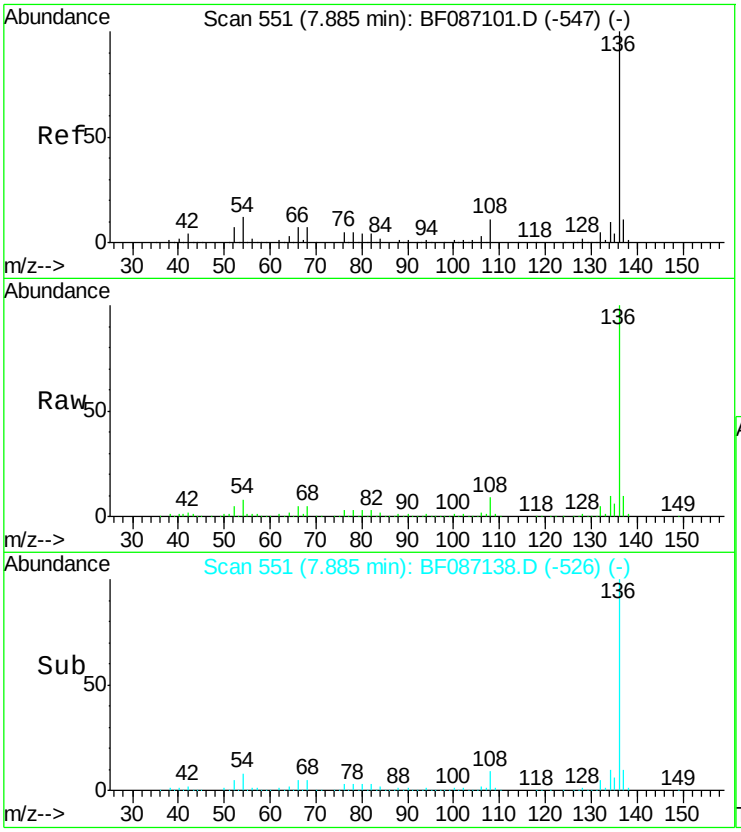


#19
n-Nitroso-di-n-propylamine
Concen: 11.12 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.11 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion: 70 Resp: 96559

Ion	Ratio	Lower	Upper
70	100		
42	68.1	43.1	64.7#
101	0.0	8.1	12.1#
130	1.8	18.6	28.0#



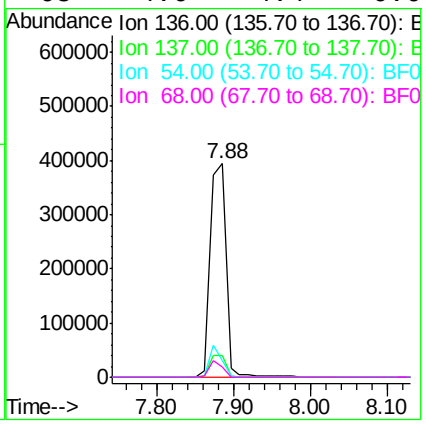


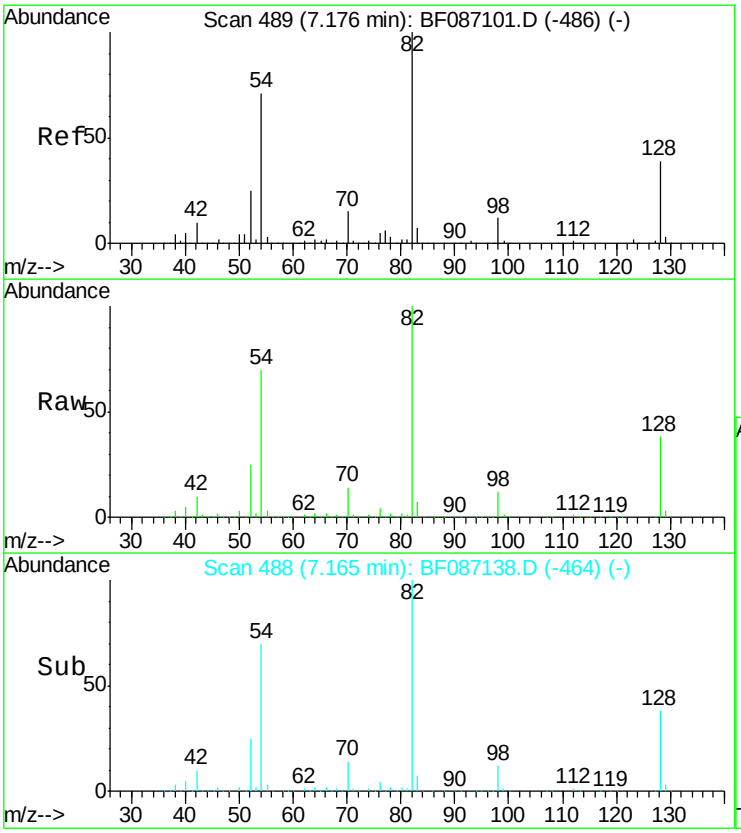
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:136 Resp: 563645

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.9	5.0	7.4#
68	4.6	4.4	6.6

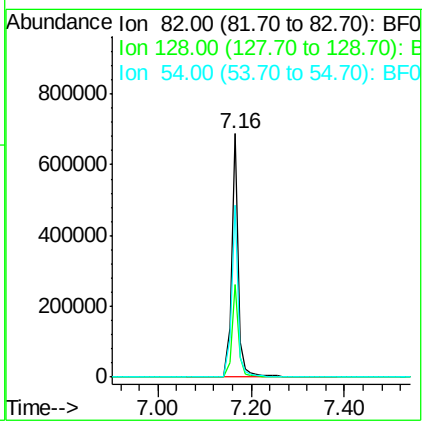


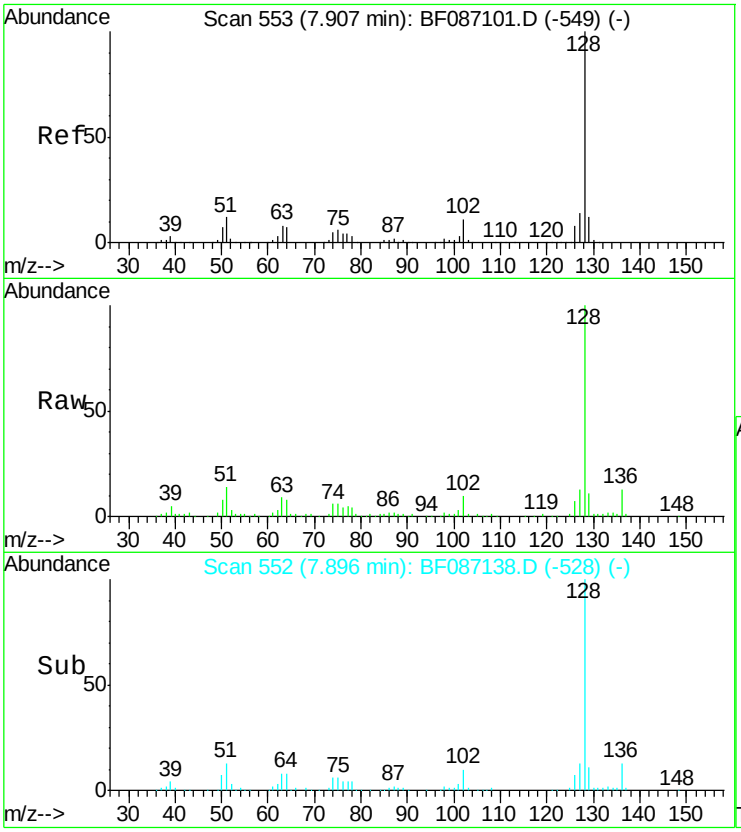


#23
Nitrobenzene-d5
Concen: 60.91 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion: 82 Resp: 688882

Ion	Ratio	Lower	Upper
82	100		
128	38.1	40.6	61.0#
54	70.4	38.1	57.1#



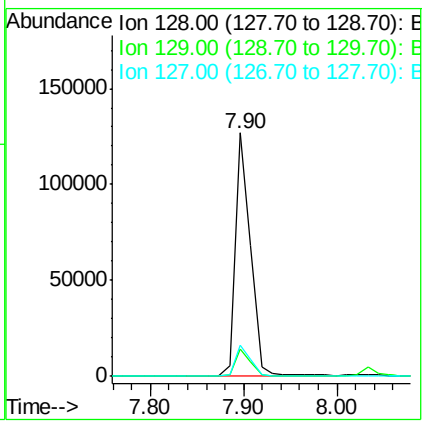


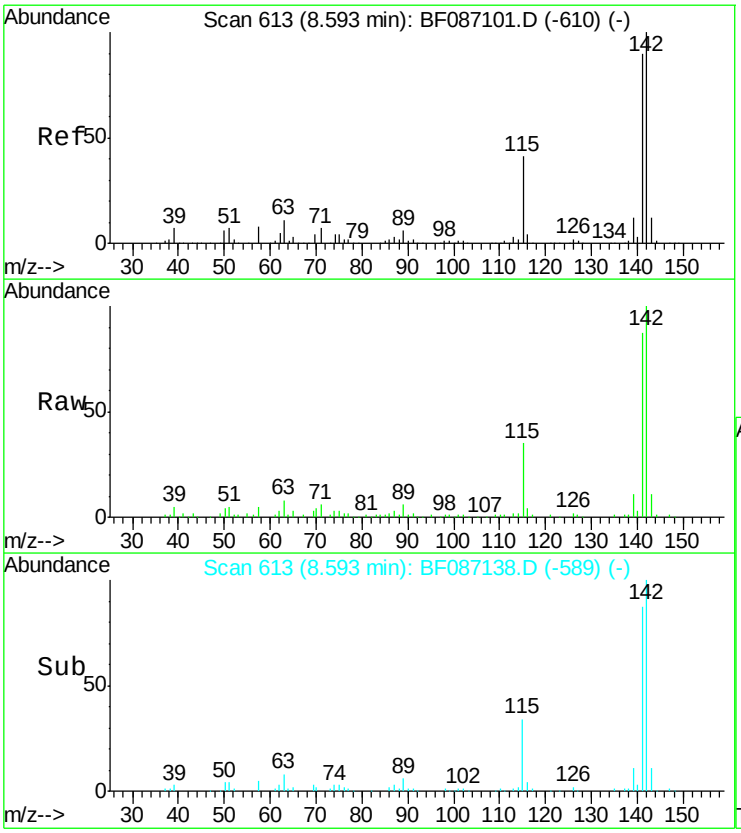
#31
Naphthalene
Concen: 5.30 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:128 Resp: 146101

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	12.6	10.8	16.2

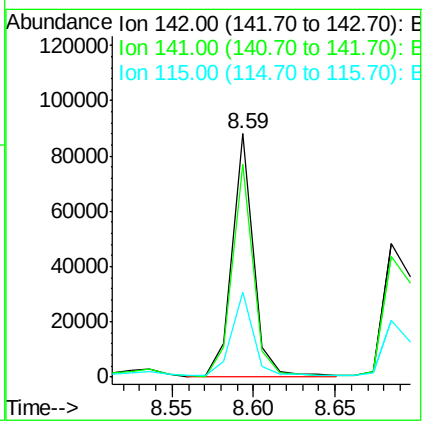


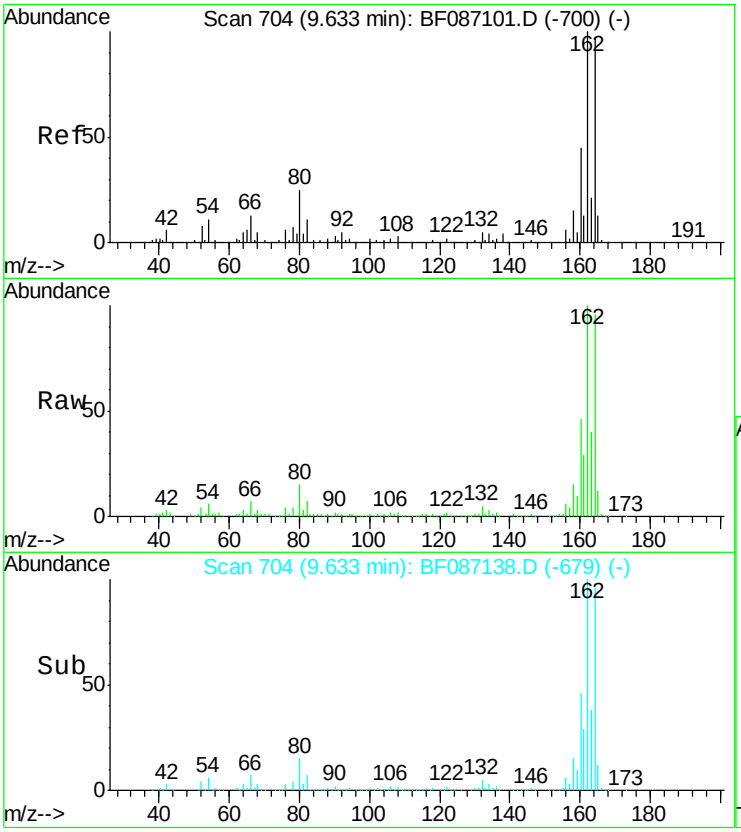


#37
2-Methylnaphthalene
Concen: 4.52 ng
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:142 Resp: 79607

Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.0	106.6
115	34.7	26.6	39.8



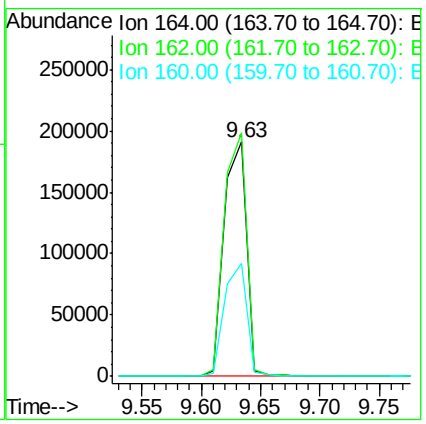


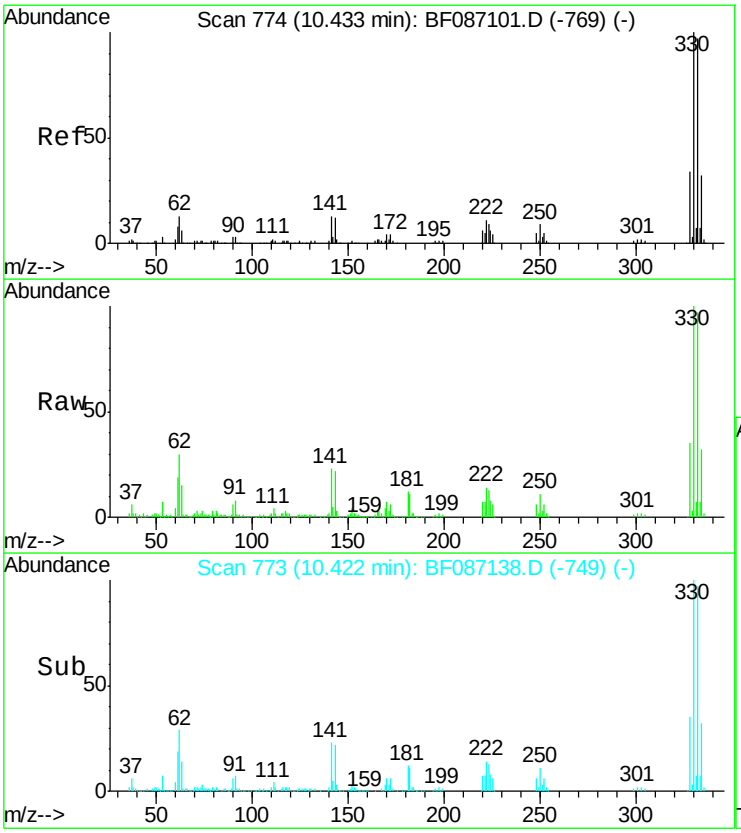
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:164 Resp: 251105

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.8	124.2
160	48.3	36.9	55.3

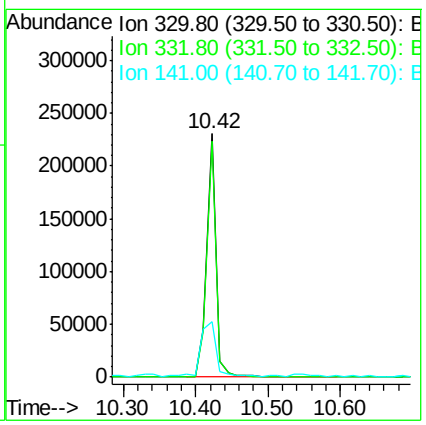


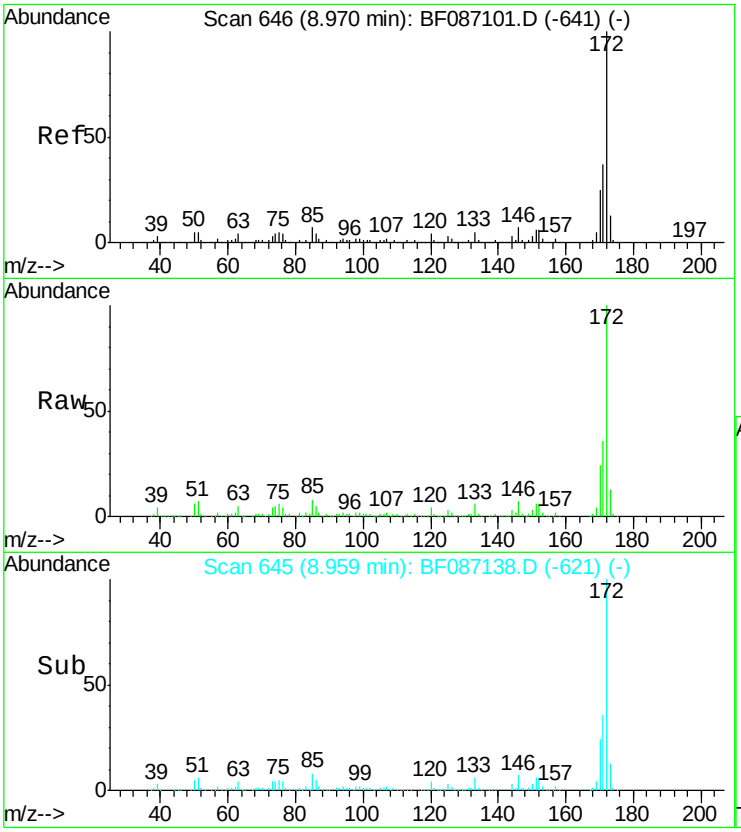


#41
2,4,6-Tribromophenol
Concen: 75.26 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:330 Resp: 208840

Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.0	118.4
141	37.4	31.2	46.8



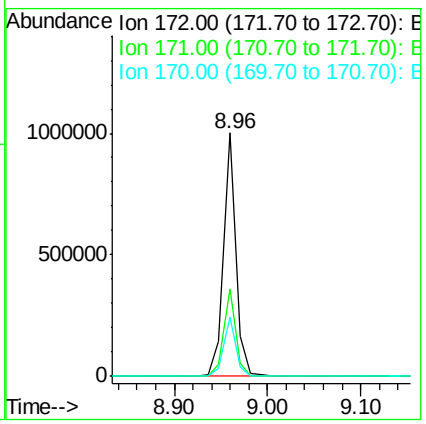


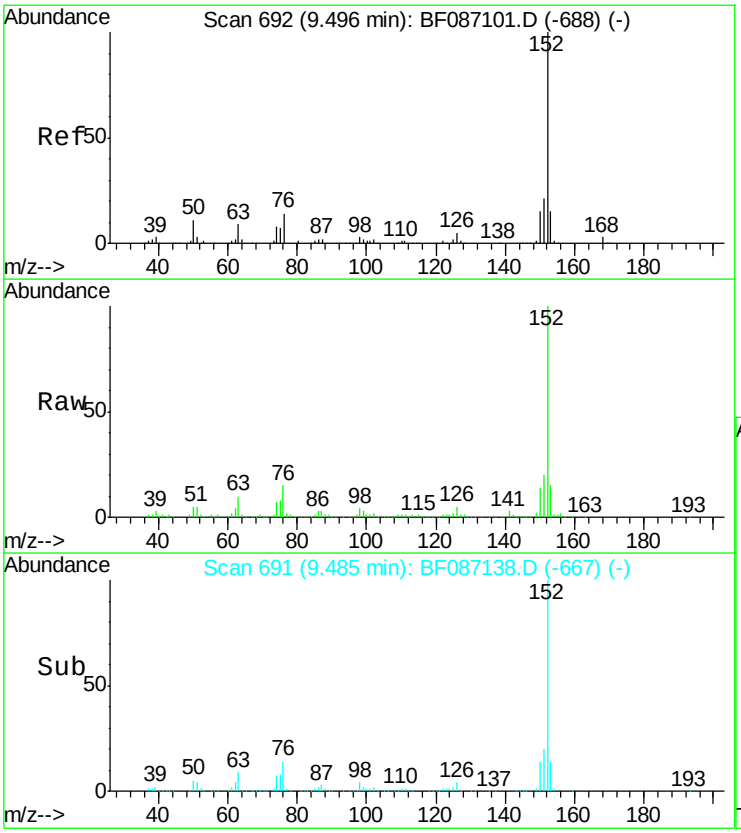
#44
2-Fluorobiphenyl
Concen: 60.89 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:172 Resp: 923176

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.2	19.8	29.8

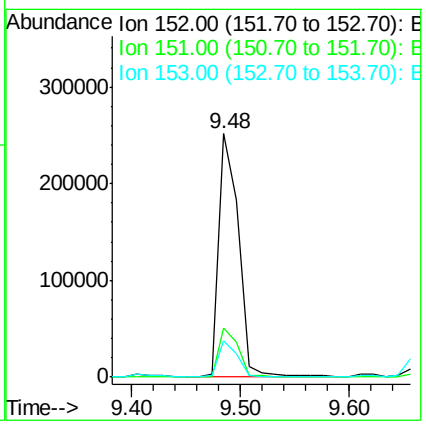


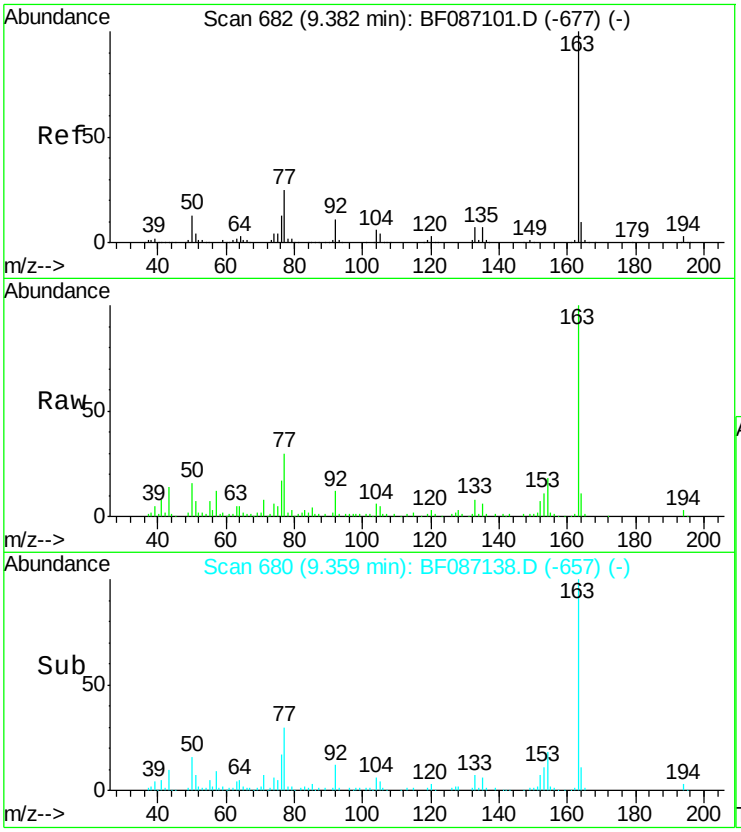


#48
Acenaphthylene
Concen: 12.96 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:152 Resp: 316382

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	14.8	10.9	16.3



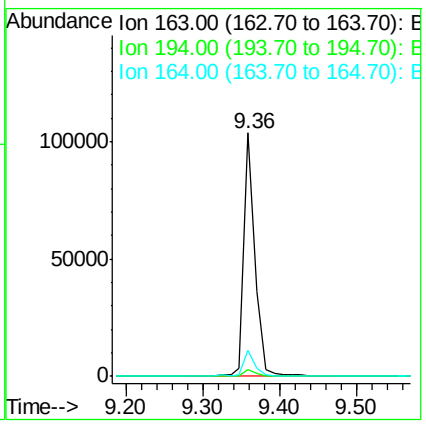


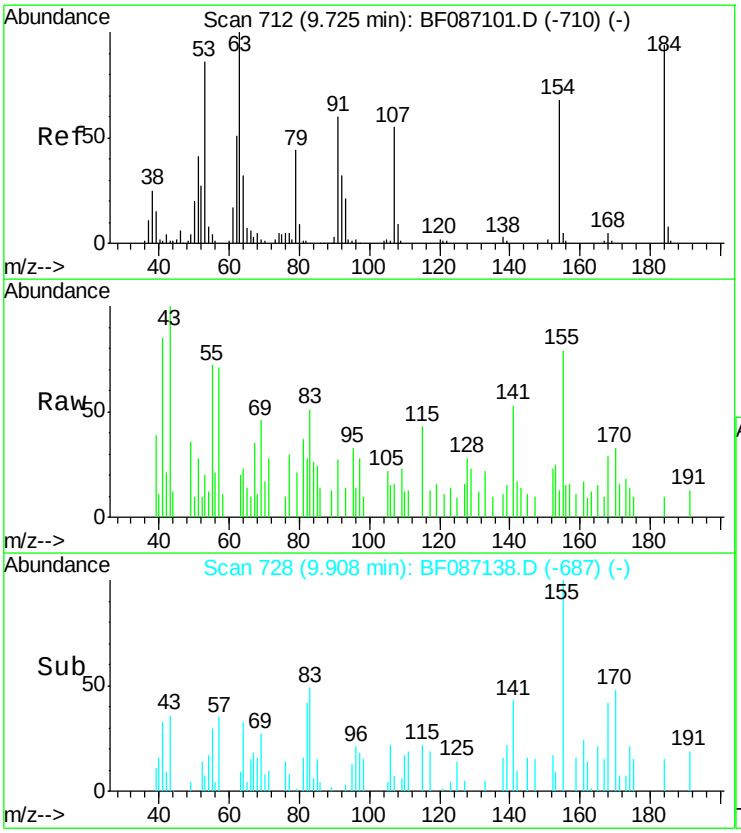
#49
Dimethylphthalate
Concen: 5.44 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:163 Resp: 104176

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.5	8.2	12.4

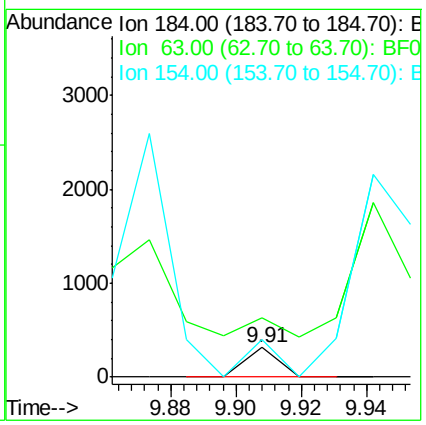


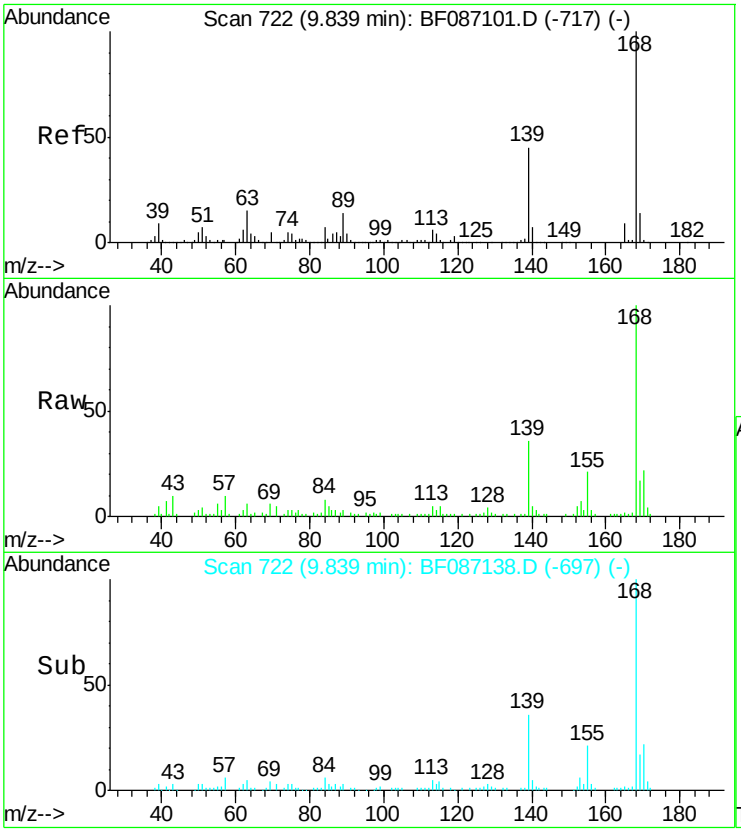


#53
2,4-Dinitrophenol
Concen: 4.82 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.17 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:184 Resp: 217

Ion	Ratio	Lower	Upper
184	100		
63	201.3	55.8	83.8#
154	127.4	62.4	93.6#



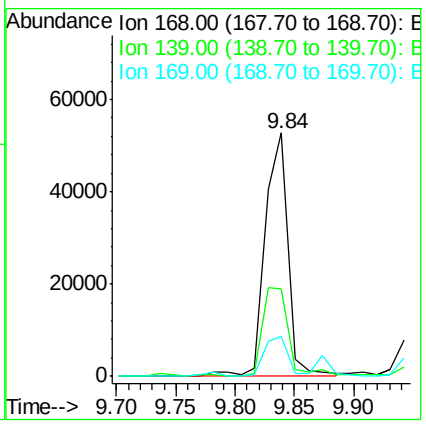


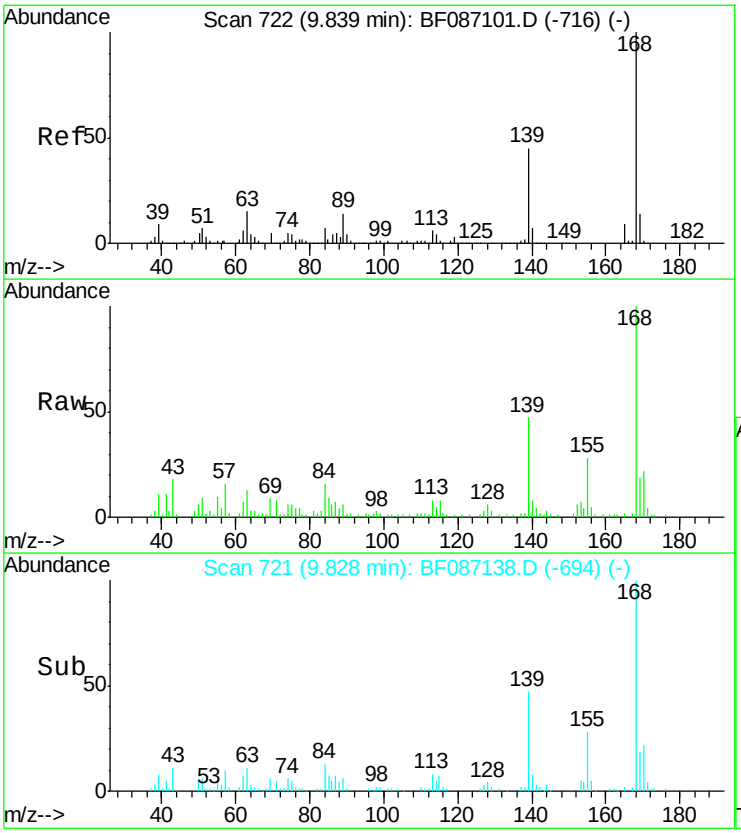
#54
Dibenzofuran
Concen: 3.60 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:168 Resp: 70923

Ion	Ratio	Lower	Upper
168	100		
139	35.7	31.4	47.0
169	16.7	10.7	16.1#

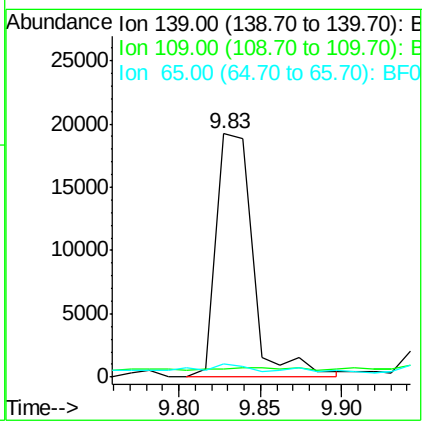


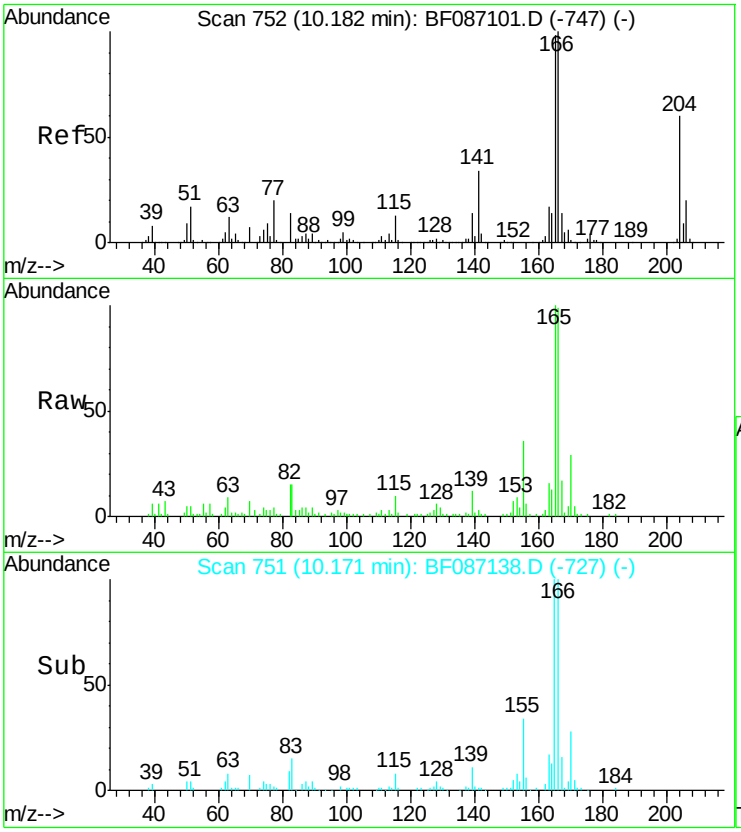


#55
4-Nitrophenol
Concen: 19.03 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:139 Resp: 29949

Ion	Ratio	Lower	Upper
139	100		
109	3.5	36.9	76.9#
65	5.7	64.0	104.0#



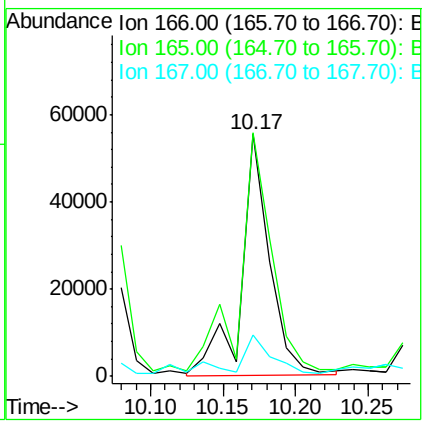


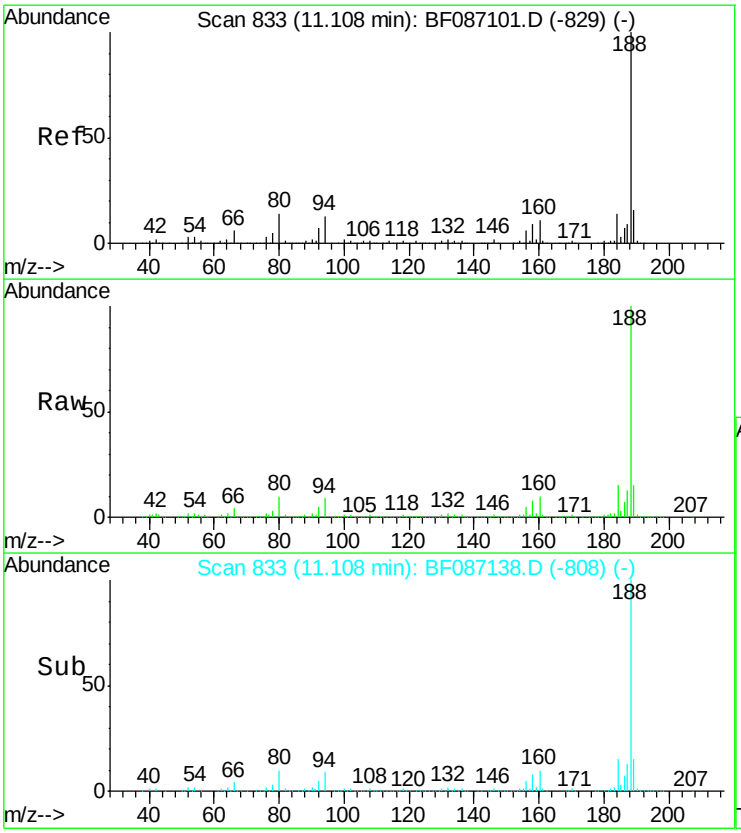
#57
Fluorene
Concen: 4.72 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:166 Resp: 74735

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.0	118.6
167	17.0	10.6	15.8#

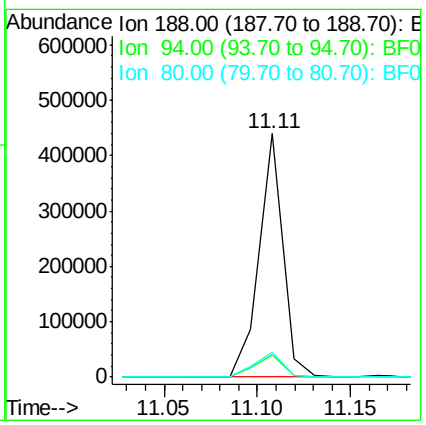


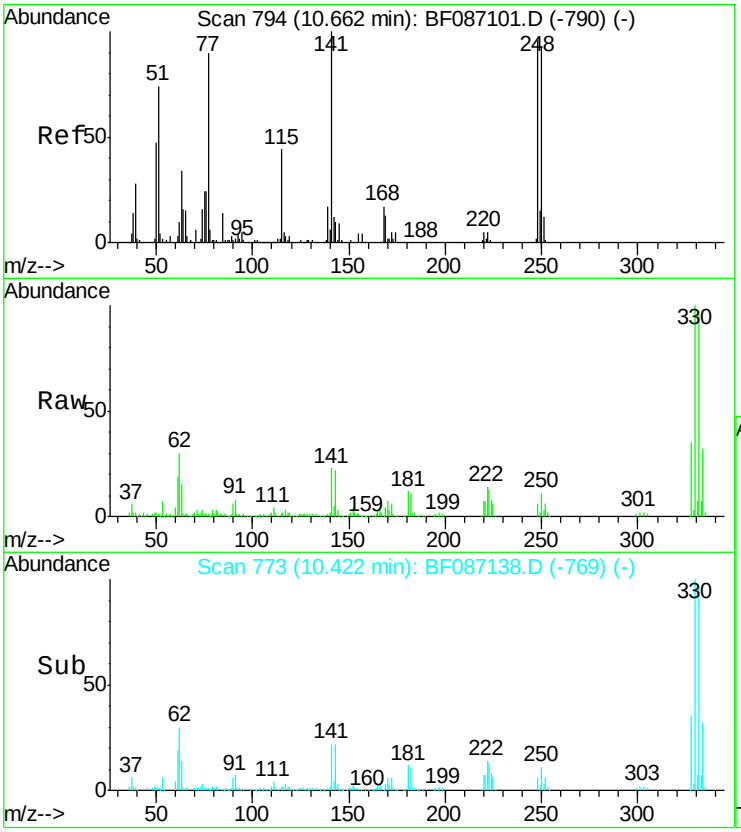


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:188 Resp: 387406

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.8	10.2
80	10.0	7.1	10.7



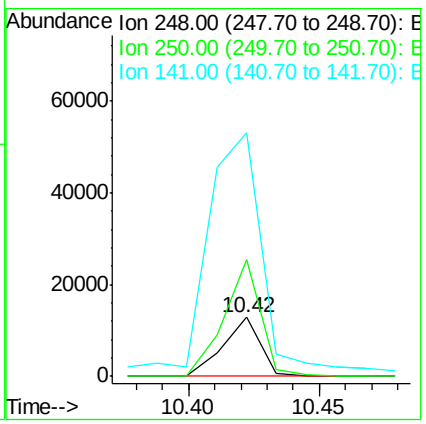


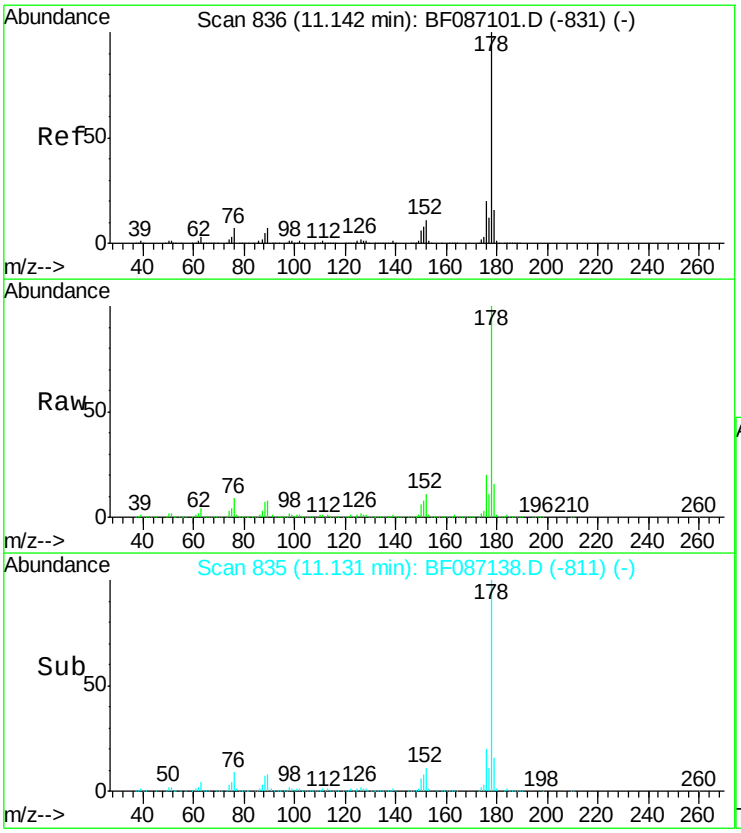
#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:248 Resp: 12725

Ion	Ratio	Lower	Upper
248	100		
250	198.4	78.6	117.8#
141	411.6	76.0	114.0#

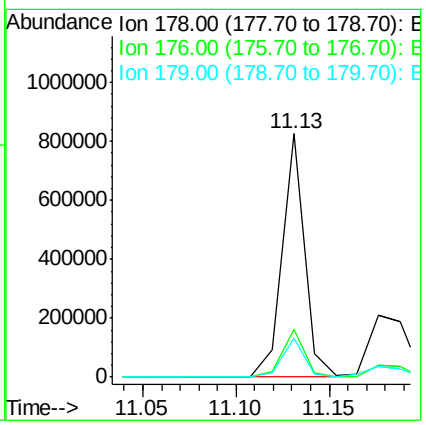


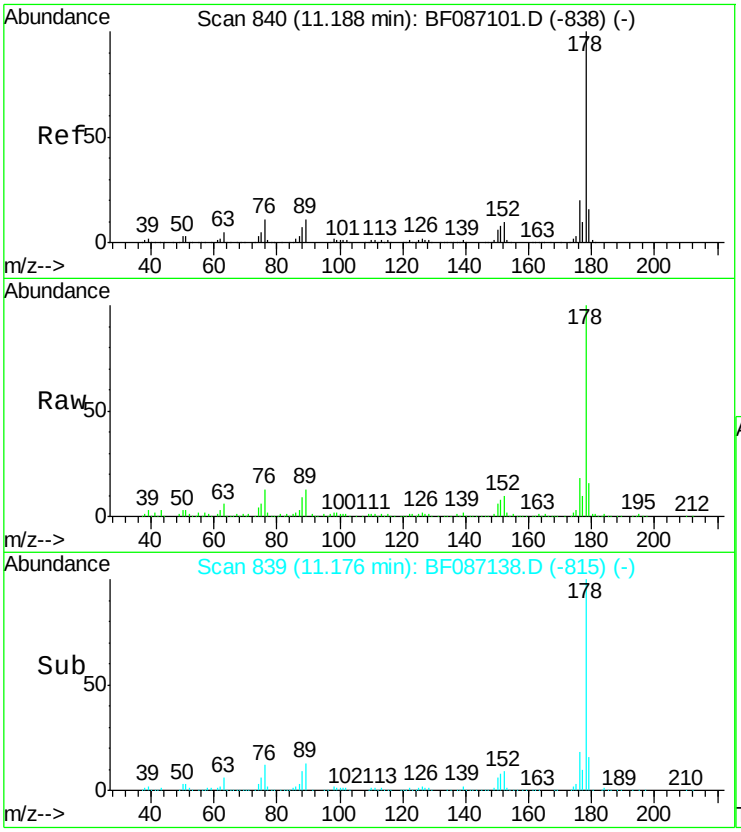


#70
Phenanthrene
Concen: 32.78 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:178 Resp: 688819

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.9	12.6	18.8



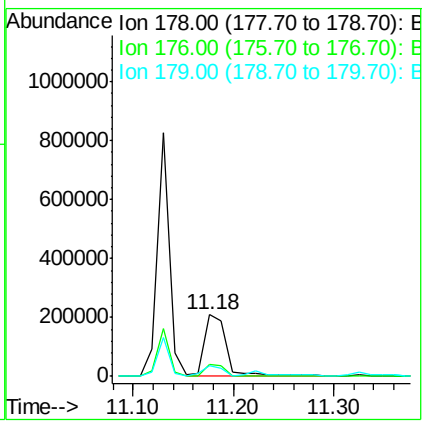


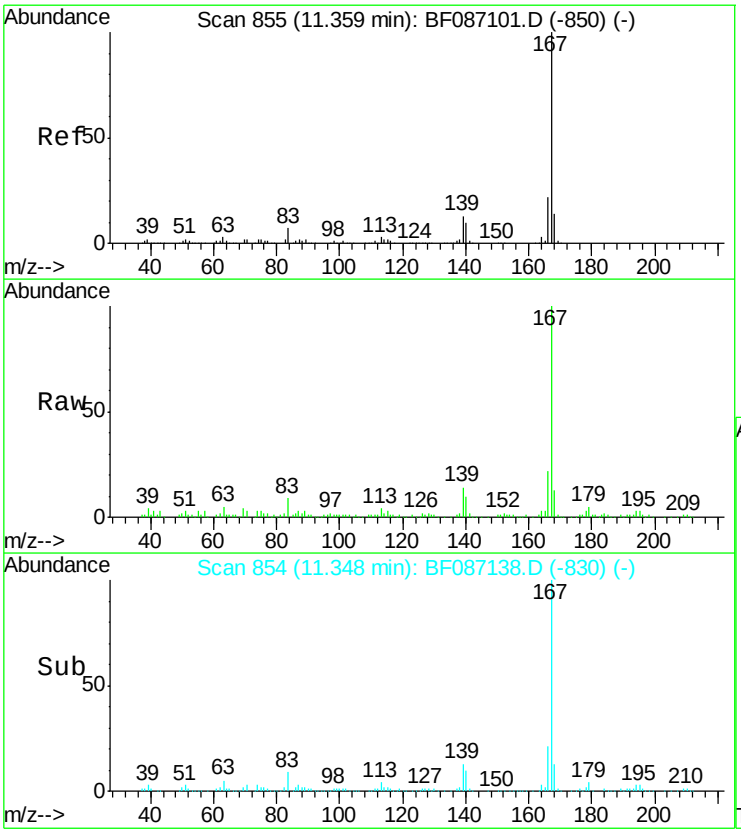
#71
Anthracene
Concen: 14.44 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:178 Resp: 306889

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	16.3	12.7	19.1

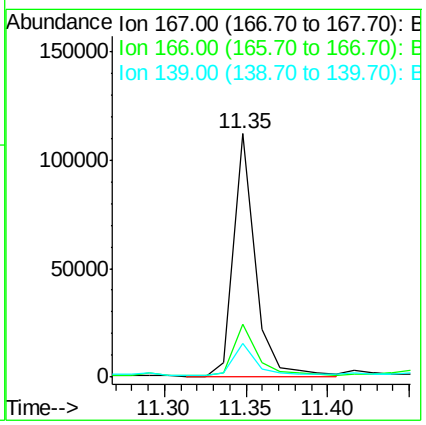


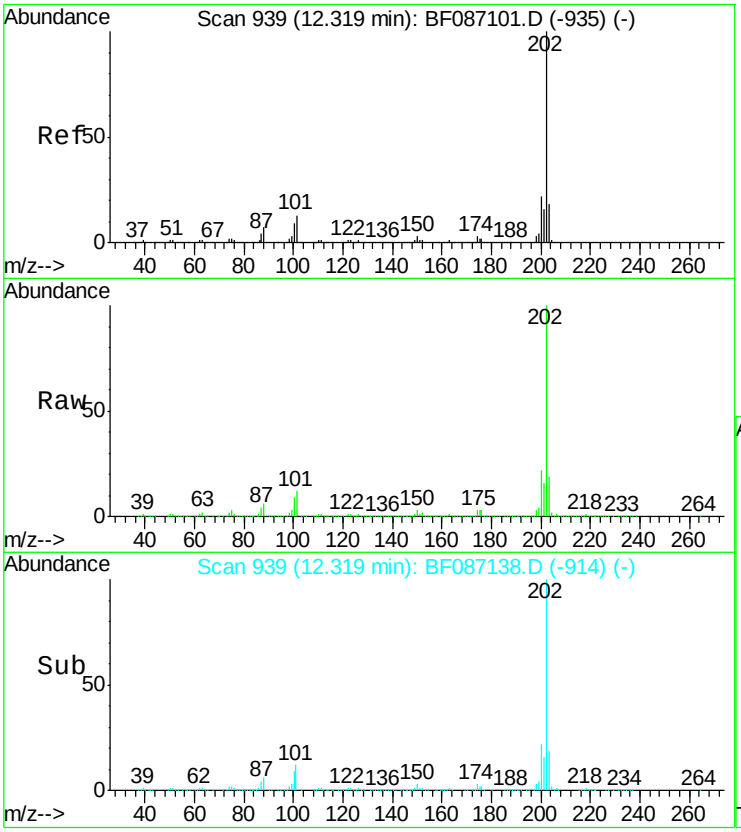


#72
Carbazole
Concen: 5.25 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:167 Resp: 101878

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	13.9	10.8	16.2



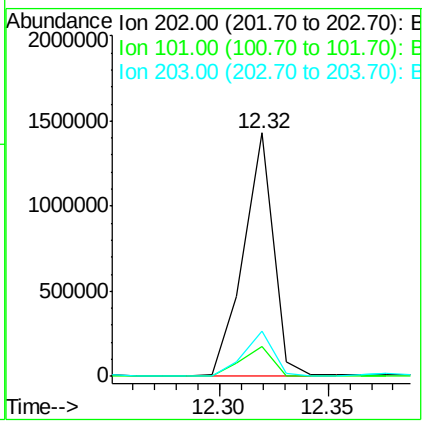


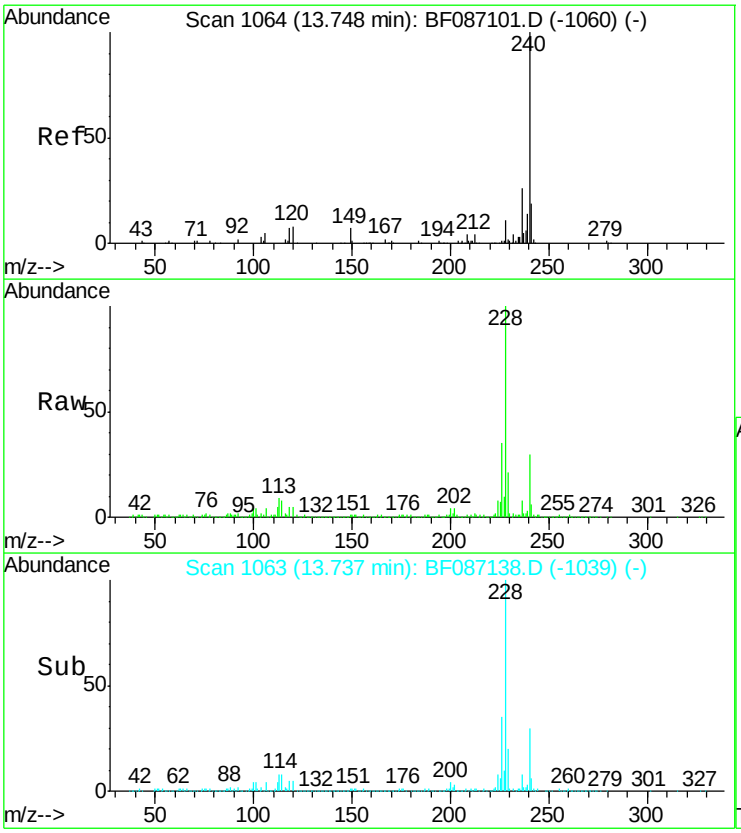
#74
Fluoranthene
Concen: 65.01 ng
RT: 12.32 min Scan# 939
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:202 Resp: 1368653

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	35.4
203	18.5	0.0	38.1

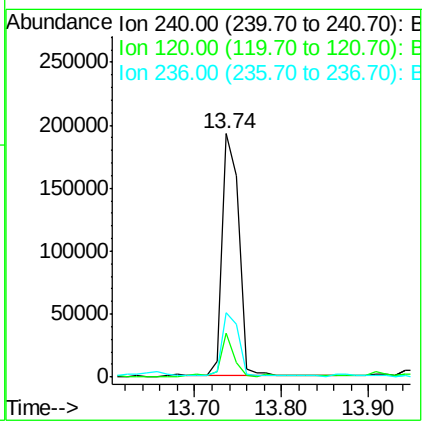


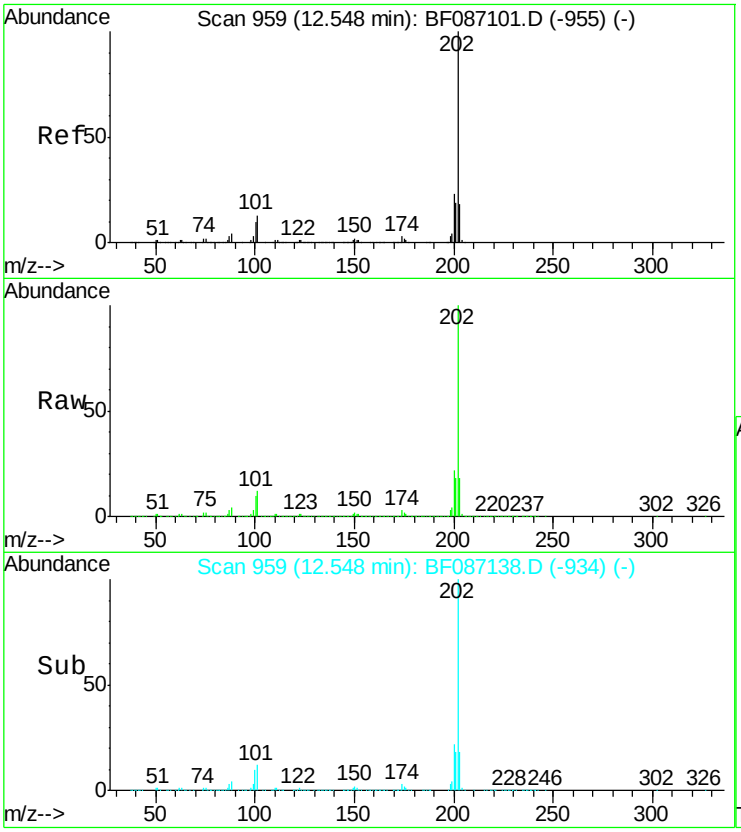


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:240 Resp: 257848

Ion	Ratio	Lower	Upper
240	100		
120	18.1	11.2	16.8#
236	26.4	21.2	31.8



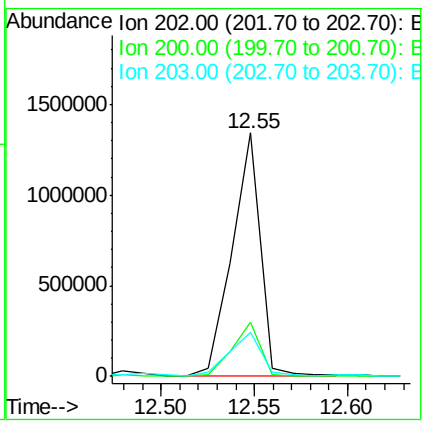


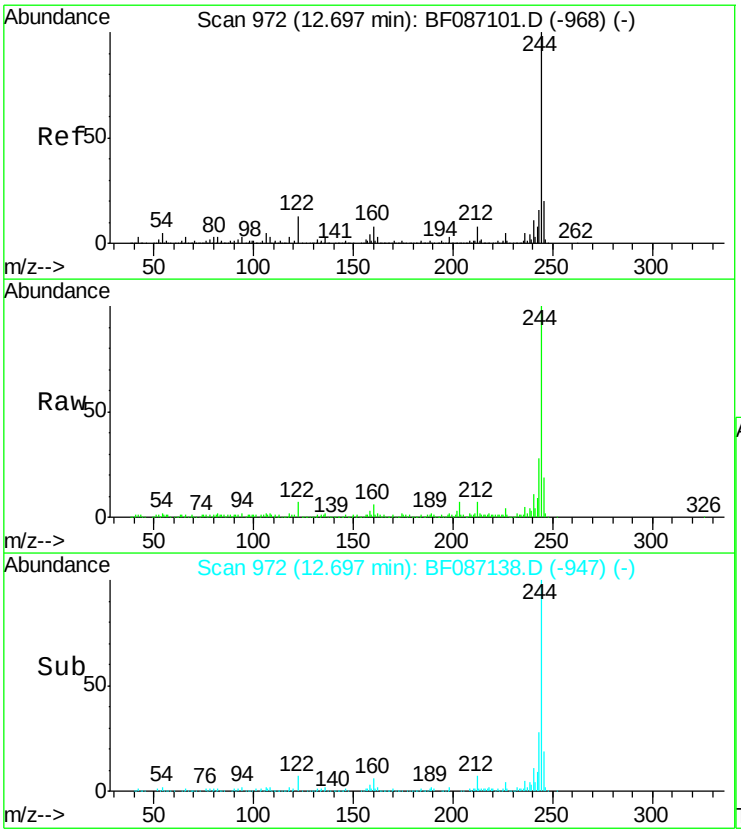
#77
Pyrene
Concen: 75.66 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:202 Resp: 1409442

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	18.0	14.2	21.4

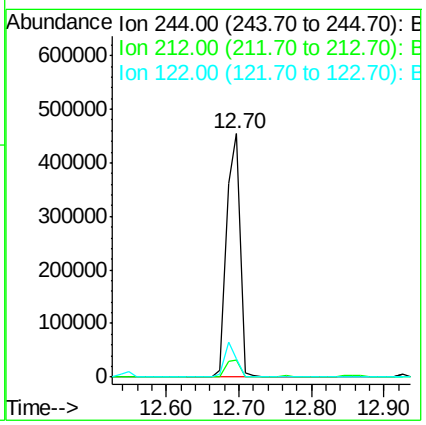


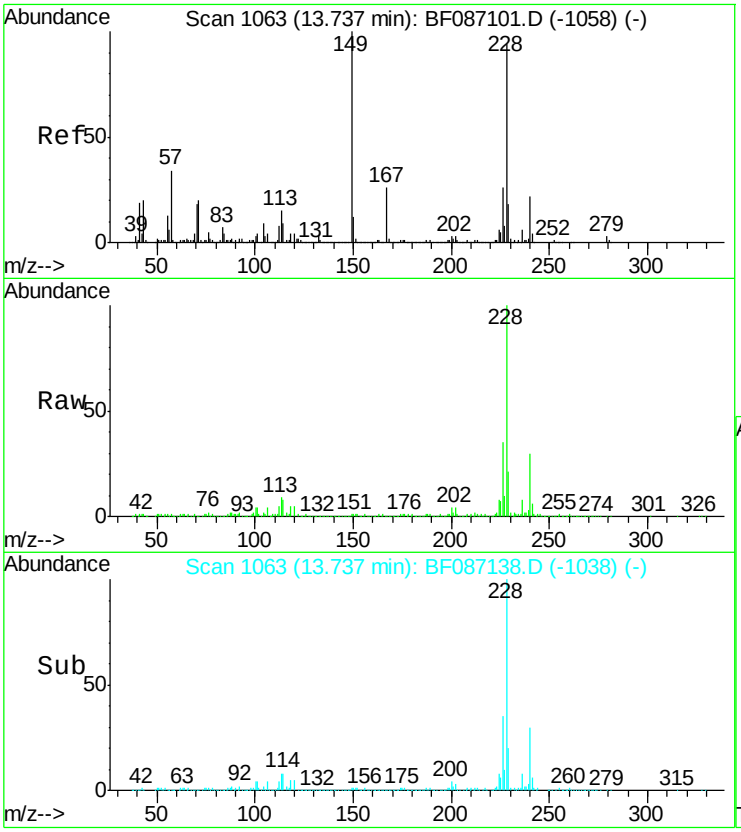


#78
Terphenyl-d14
Concen: 51.07 ng
RT: 12.70 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:244 Resp: 582080

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	7.3	12.0	18.0#



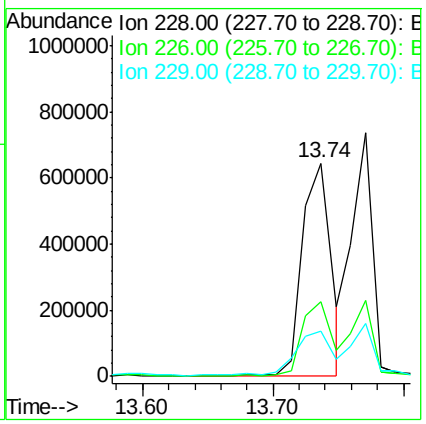


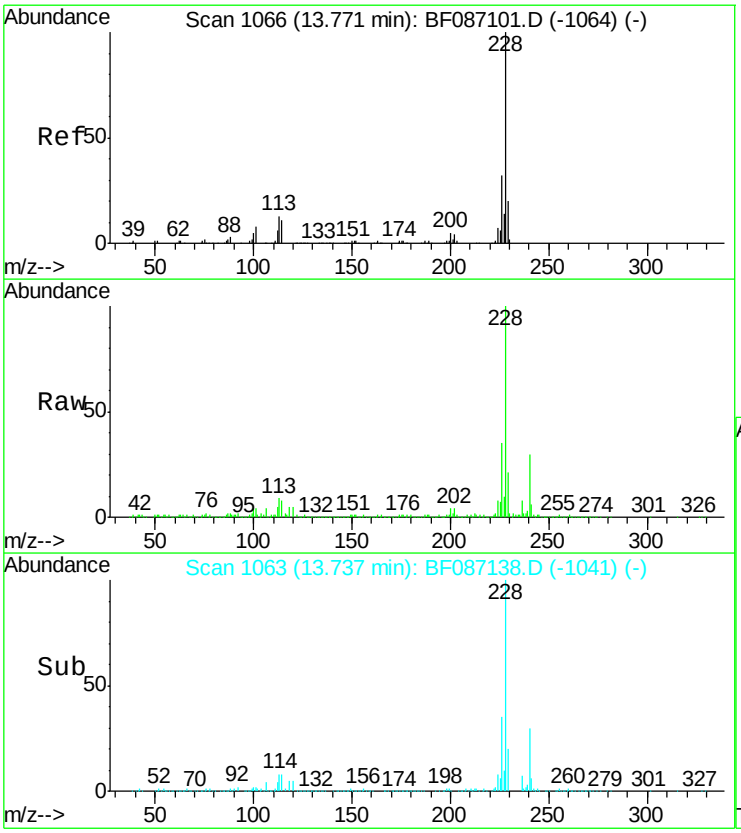
#80
Benzo(a)anthracene
Concen: 65.44 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:228 Resp: 975646

Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.5	33.7#
229	21.0	16.6	25.0

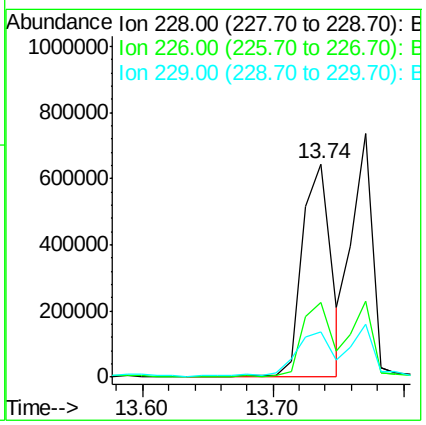


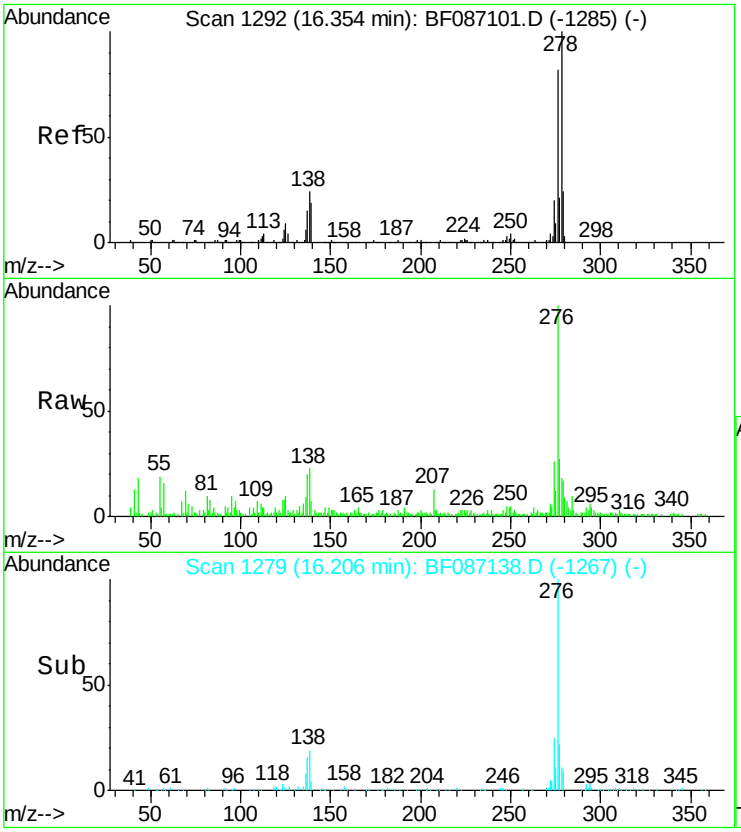


#82
Chrysene
Concen: 67.64 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.05 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:228 Resp: 975646

Ion	Ratio	Lower	Upper
228	100		
226	35.3	24.4	36.6
229	21.0	15.8	23.8



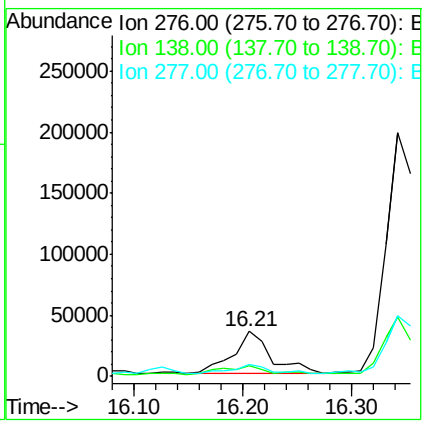


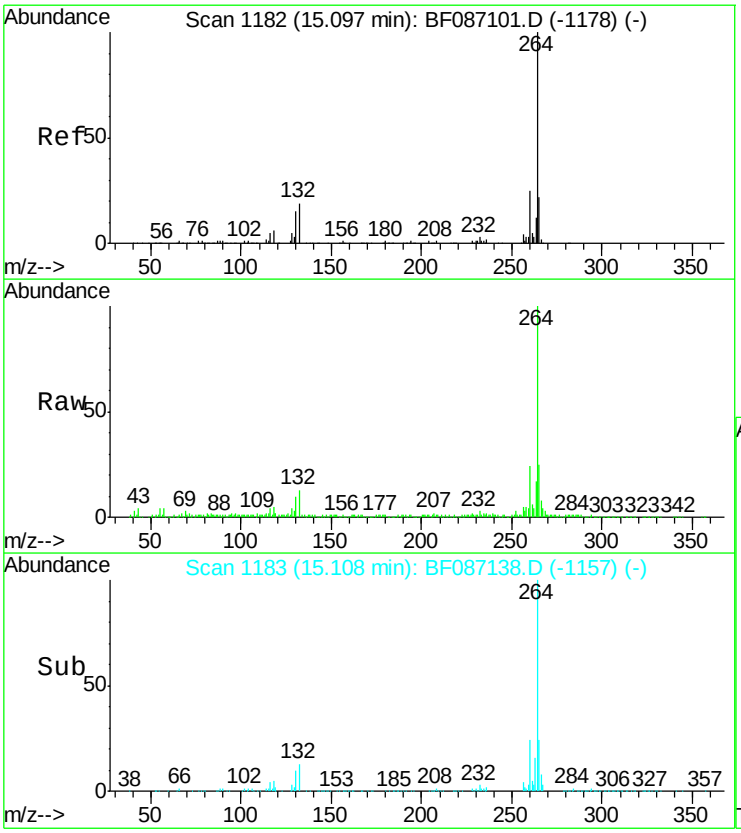
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng
RT: 16.21 min Scan# 1279
Delta R.T. -0.16 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:276 Resp: 82776

Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.6	38.4
277	24.0	20.5	30.7

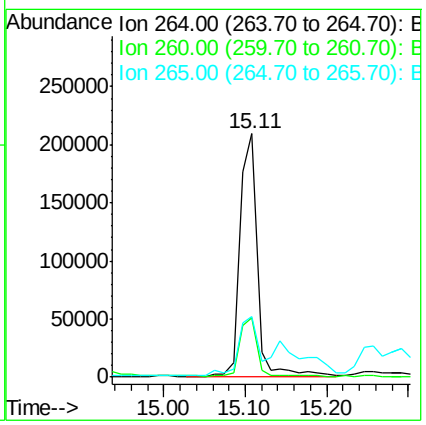


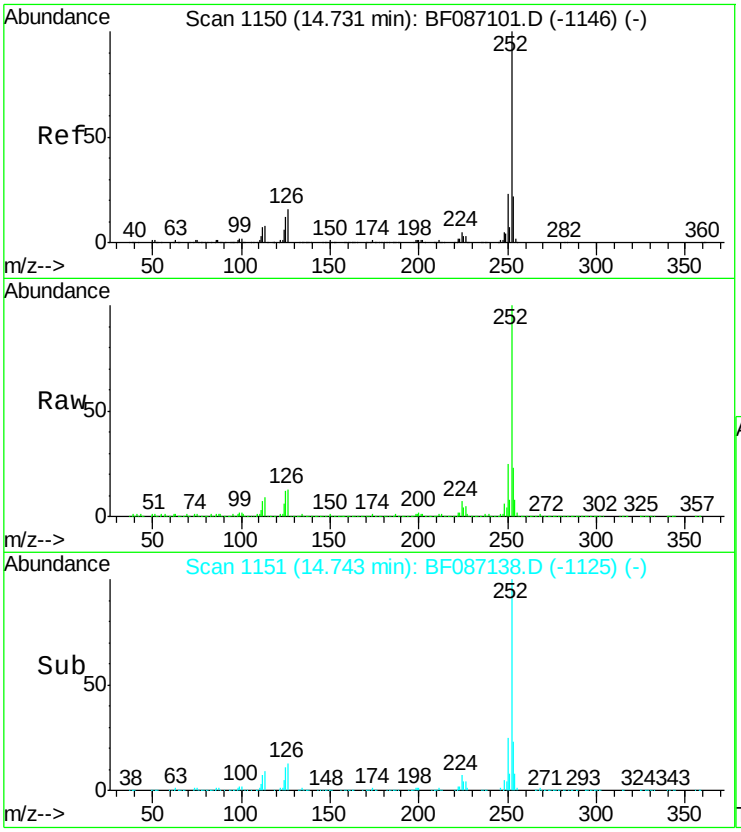


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:264 Resp: 308951

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	25.0	17.3	25.9



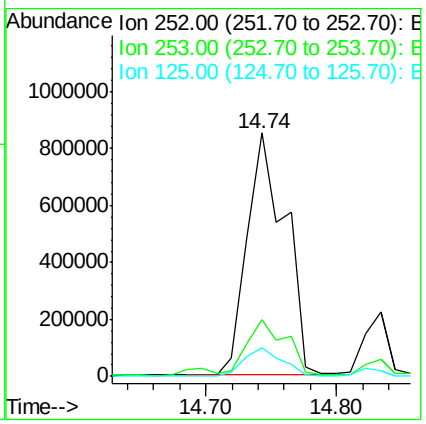


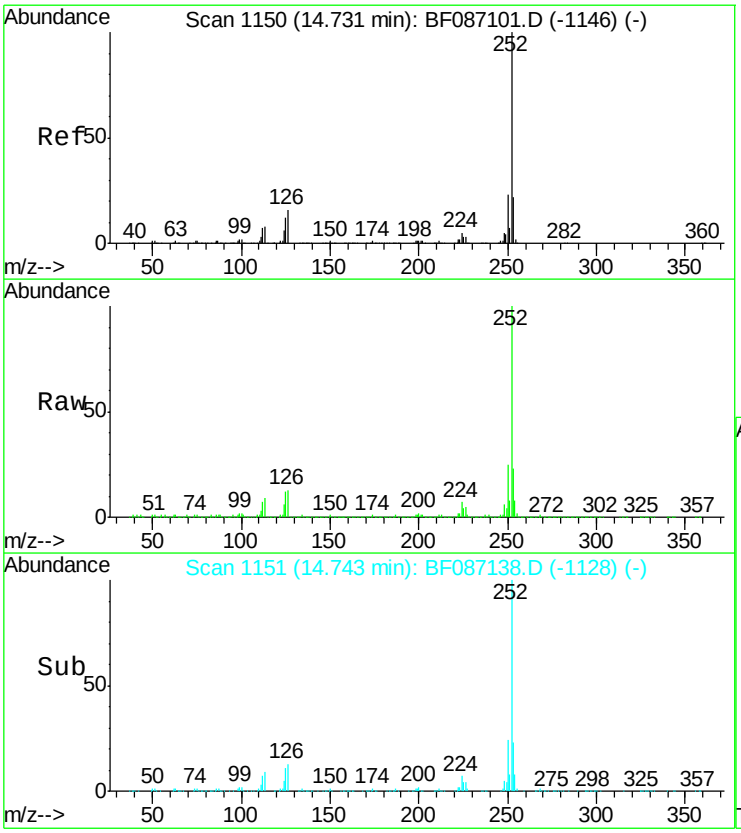
#87
Benzo(b)fluoranthene
Concen: 84.51 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:252 Resp: 1732138

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.6	11.4	17.0

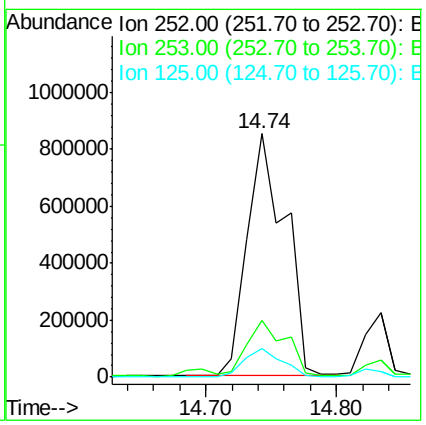


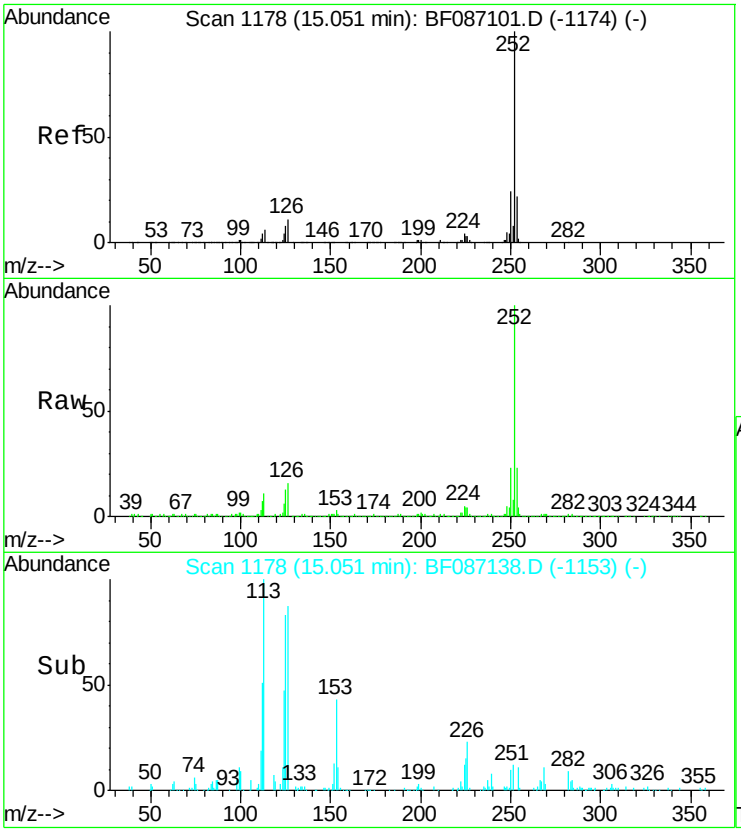


#88
Benzo(k)fluoranthene
Concen: 113.52 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:252 Resp: 1732138

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.6	9.1	13.7



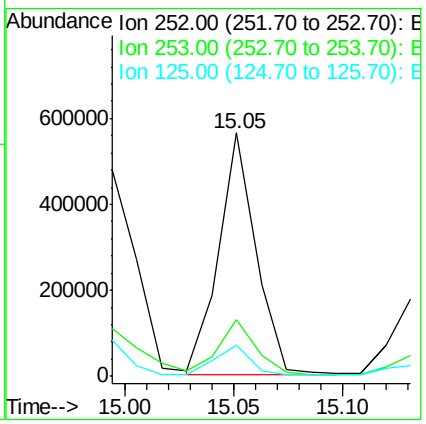


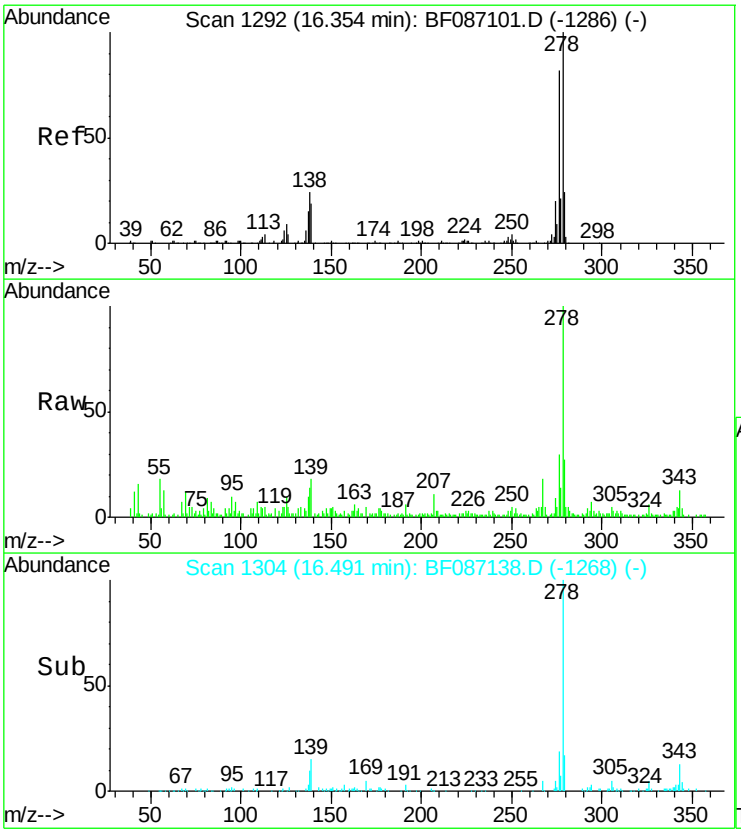
#89
Benzo(a)pyrene
Concen: 39.07 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:252 Resp: 669395

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.6	9.0	13.6

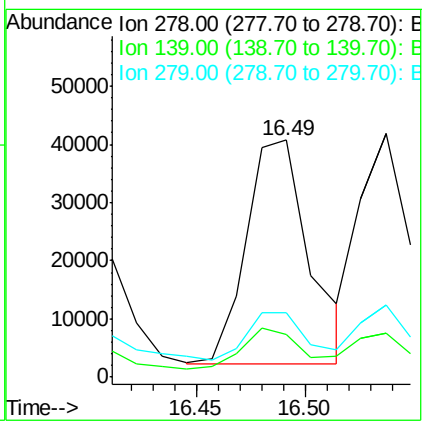


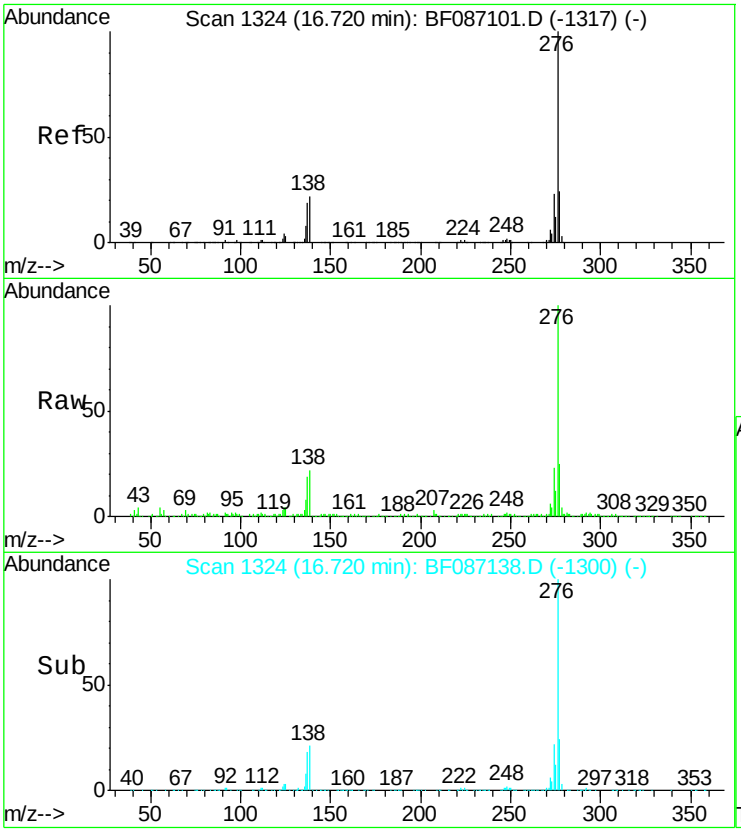


#90
Dibenzo(a,h)anthracene
Concen: 5.42 ng
RT: 16.49 min Scan# 1304
Delta R.T. 0.11 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Tgt Ion:278 Resp: 78239

Ion	Ratio	Lower	Upper
278	100		
139	17.9	16.6	24.8
279	27.4	19.6	29.4





#91
Benzo(g,h,i)perylene
Concen: 20.02 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF087138.D
Acq: 18 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)RE

Tgt Ion:276 Resp: 291640

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	21.6	23.6	35.4#