Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087083.D
Acq On : 16 May 2016 16:04
Operator : UM/SJ
Sample : H2994-07RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 17 00:53:35 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	386647	20.00	ng		0.07
21) Naphthalene-d8	7.90	136	574150	20.00	ng		-0.09
38) Acenaphthene-d10	9.64	164	229915	20.00	ng		-0.09
63) Phenanthrene-d10	11.12	188	343151	20.00	ng		-0.09
75) Chrysene-d12	13.76	240	279307	20.00	ng		-0.08
86) Perylene-d12	15.12	264	242138	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	720265	31.55	ng		-0.09
7) Phenol-d6	6.27	99	974777	31.95	ng		-0.09
23) Nitrobenzene-d5	7.18	82	657316	57.49	ng		-0.09
41) 2,4,6-Tribromophenol	10.43	330	163252	67.07	ng		-0.09
44) 2-Fluorobiphenyl	8.97	172	890884	65.12	ng		-0.09
78) Terphenyl-d14	12.71	244	595143	45.21	ng		-0.09
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	94705	4.44	ng	#	70
25) Isophorone	7.18	82	608552	28.68	ng	#	69
31) Naphthalene	7.92	128	142646	4.96	ng		99
37) 2-Methylnaphthalene	8.60	142	70182	4.17	ng		95
48) Acenaphthylene	9.51	152	360885	17.12	ng		99
49) Dimethylphthalate	9.37	163	91641	5.22	ng		99
53) 2,4-Dinitrophenol	9.93	184	450	7.91	ng	#	12
54) Dibenzofuran	9.85	168	65326	3.88	ng	#	96
55) 4-Nitrophenol	9.85	139	27176	14.45	ng	#	17
57) Fluorene	10.19	166	69113	4.82	ng		93
60) 4-Chlorophenyl-phenylether	10.00	204	366	Below Cal		#	27
66) 4-Bromophenyl-phenylether	10.43	248	10397	2.99	ng	#	1
70) Phenanthrene	11.14	178	608561	33.23	ng		99
71) Anthracene	11.20	178	395915	21.14	ng		99
72) Carbazole	11.36	167	92004	5.71	ng		98
74) Fluoranthene	12.33	202	1422226	75.51	ng		100
77) Pyrene	12.56	202	1263166	59.07	ng		99
80) Benzo(a)anthracene	13.75	228	984279	62.77	ng	#	90
82) Chrysene	13.75	228	984279	61.71	ng	#	92
85) Indeno(1,2,3-cd)pyrene	16.38	276	342629	25.82	ng	#	88
87) Benzo(b)fluoranthene	14.75	252	1345155	85.48	ng		97
88) Benzo(k)fluoranthene	14.75	252	1345155	104.39	ng		98
89) Benzo(a)pyrene	14.85	252	222179	16.37	ng		93
90) Dibenzo(a,h)anthracene	16.38	278	113178	9.89	ng		95
91) Benzo(g,h,i)perylene	16.75	276	270223	23.25	ng	#	90

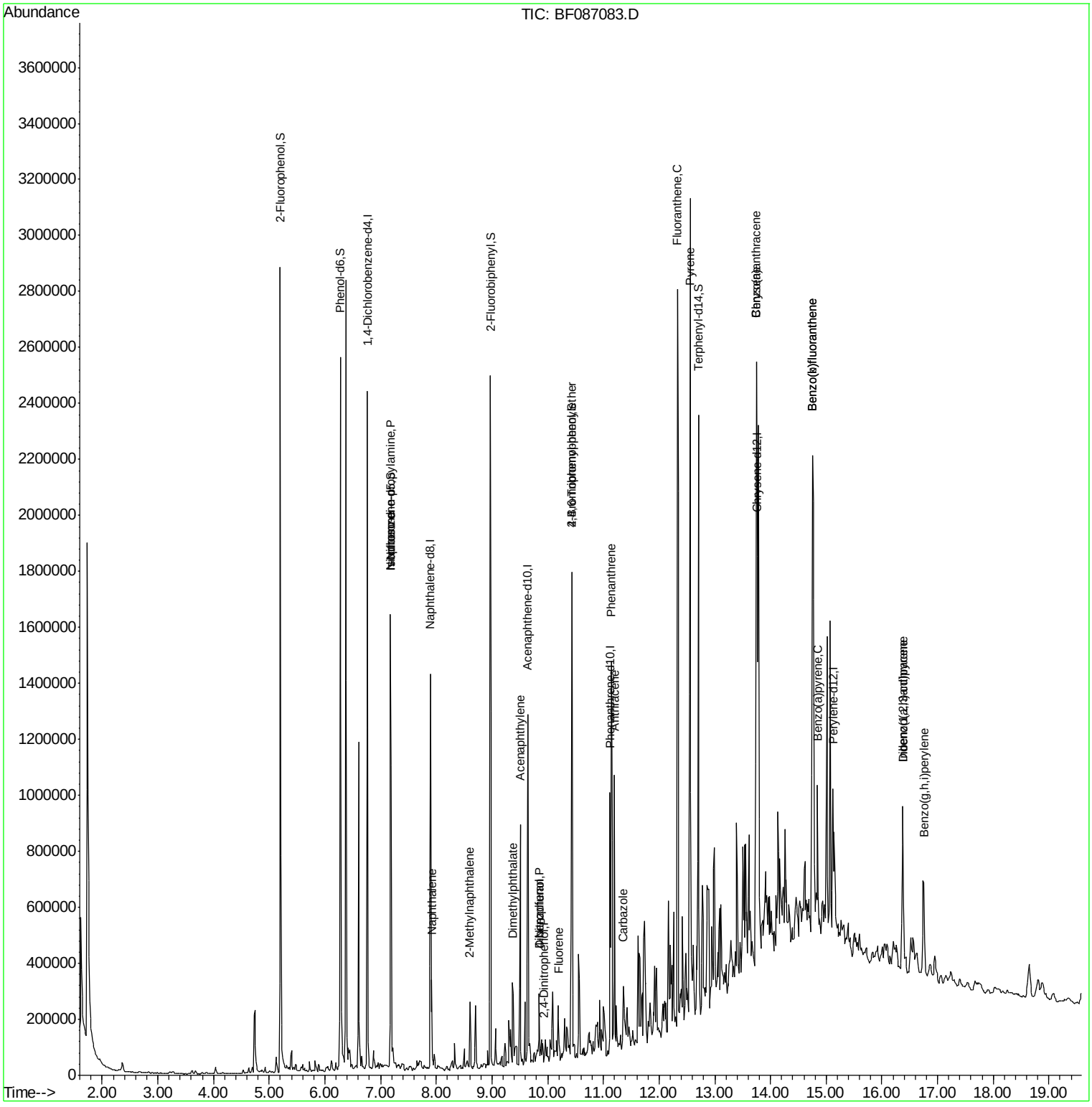
(#) = qualifier out of range (m) = manual integration (+) = signals summed

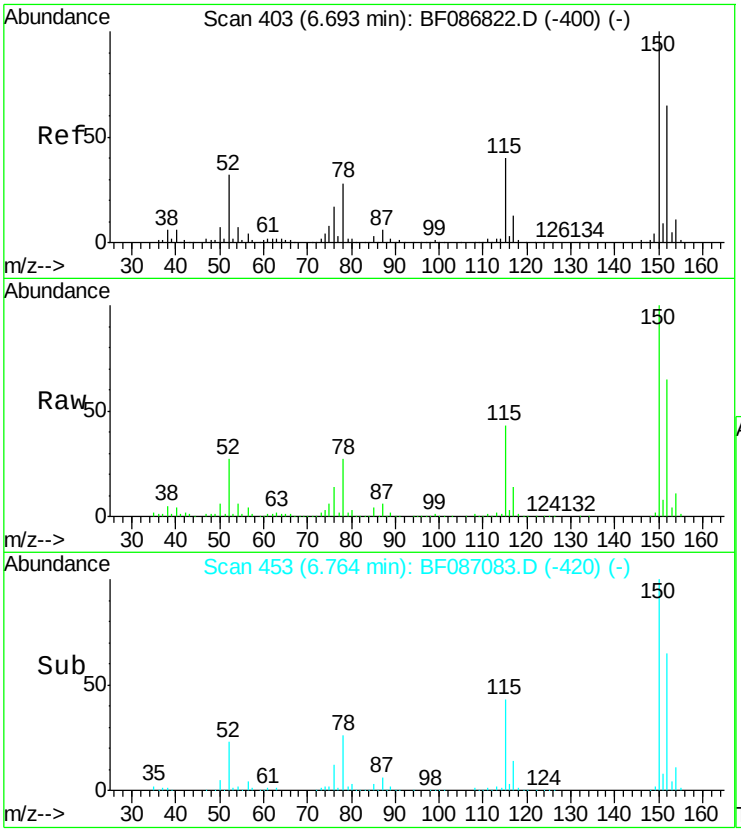
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087083.D
Acq On : 16 May 2016 16:04
Operator : UM/SJ
Sample : H2994-07RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 17 00:53:35 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



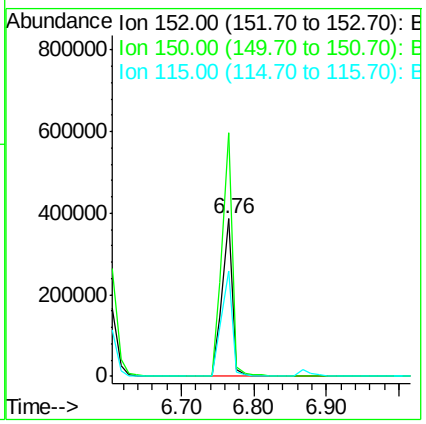


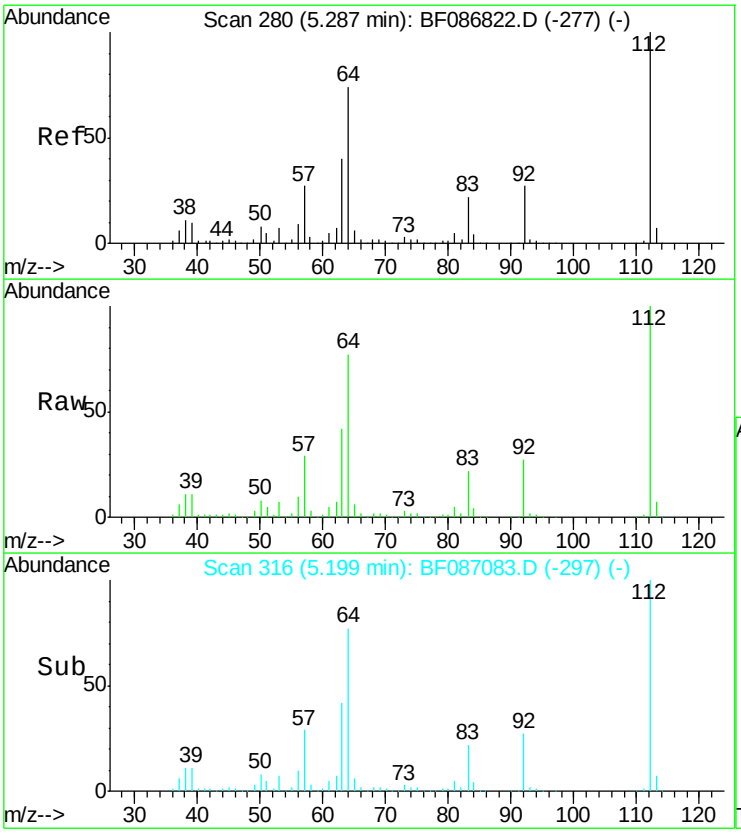
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:152 Resp: 386647

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.8	188.6
115	67.0	51.5	77.3

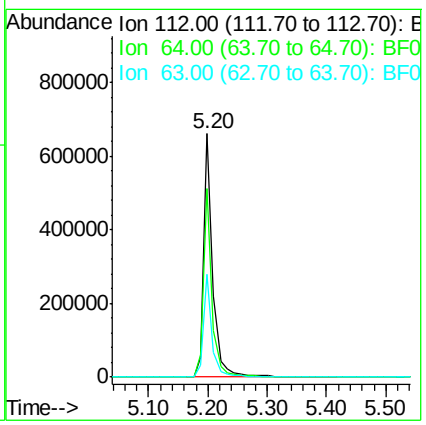


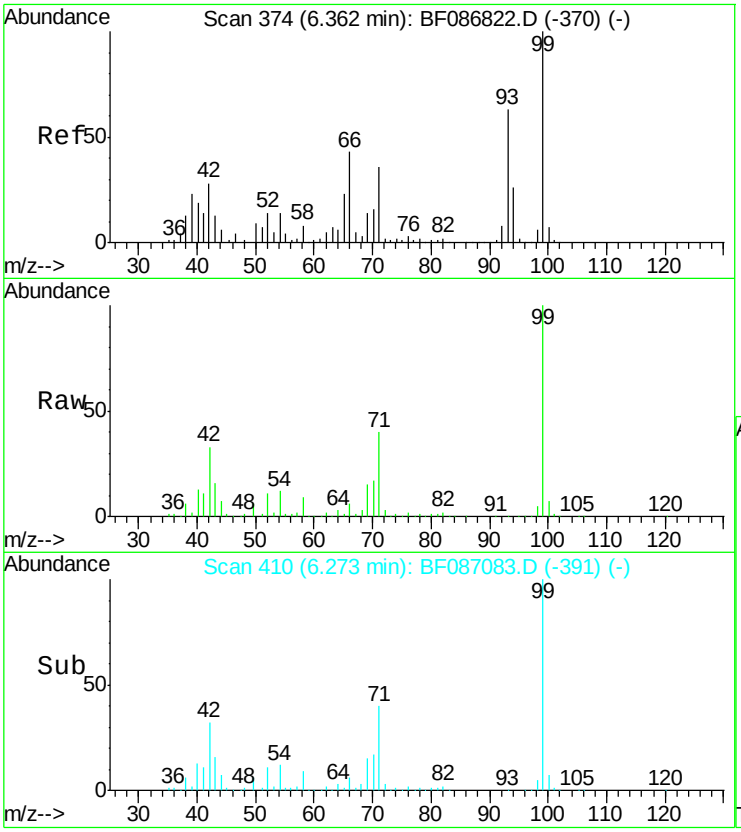


#5
2-Fluorophenol
Concen: 31.55 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:112 Resp: 720265

Ion	Ratio	Lower	Upper
112	100		
64	77.3	52.1	78.1
63	42.2	25.7	38.5#



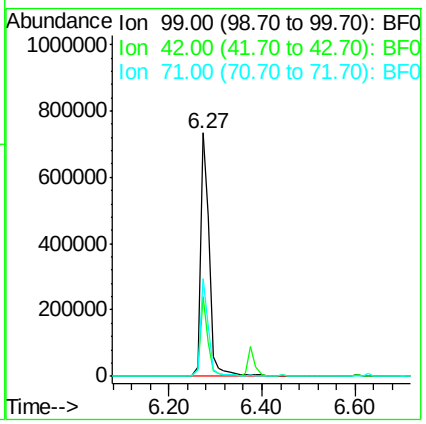


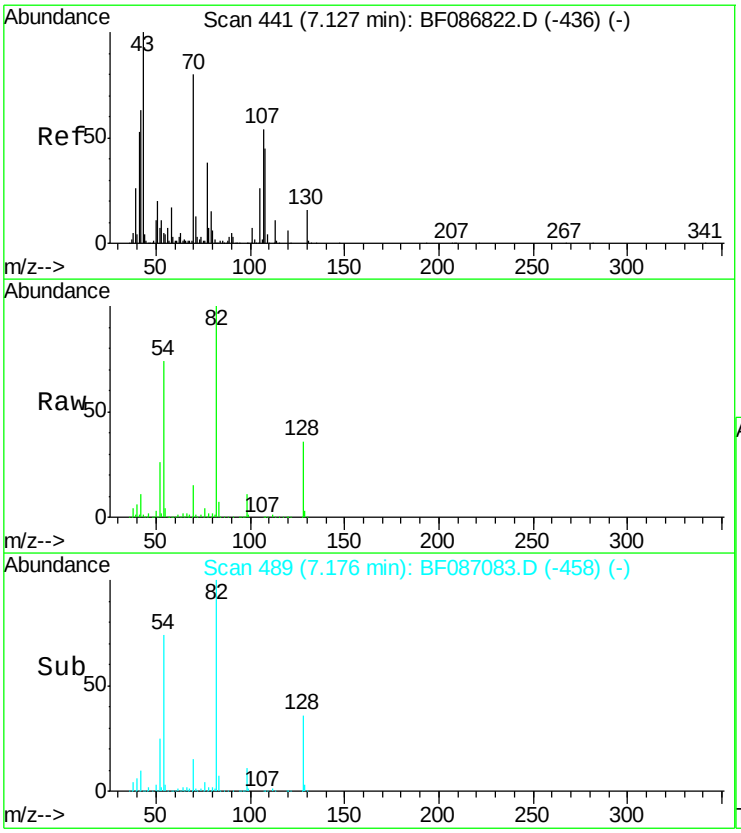
#7
Phenol-d6
Concen: 31.95 ng
RT: 6.27 min Scan# 410
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion: 99 Resp: 974777

Ion	Ratio	Lower	Upper
99	100		
42	32.6	13.6	20.4#
71	40.2	24.6	36.8#

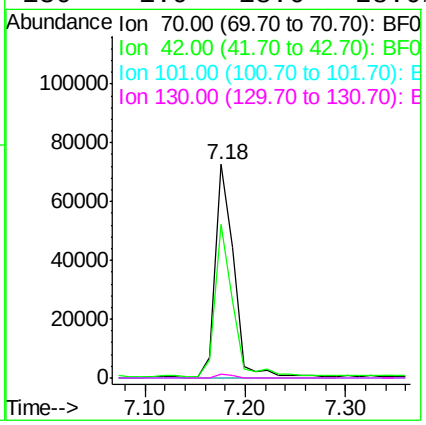


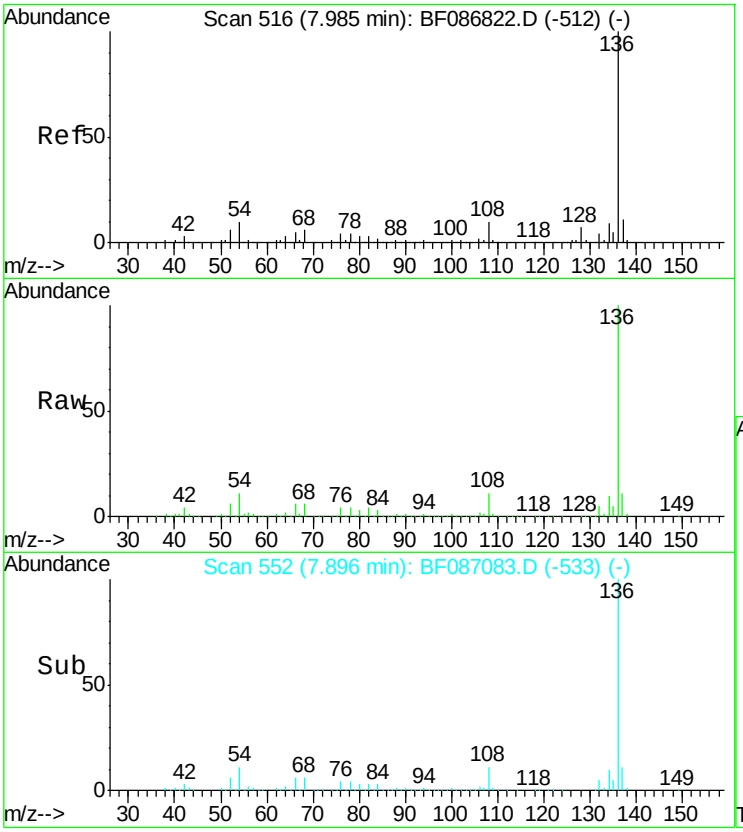


#19
n-Nitroso-di-n-propylamine
Concen: 4.44 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.05 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion: 70 Resp: 94705

Ion	Ratio	Lower	Upper
70	100		
42	72.0	43.1	64.7#
101	0.0	8.1	12.1#
130	1.9	18.6	28.0#



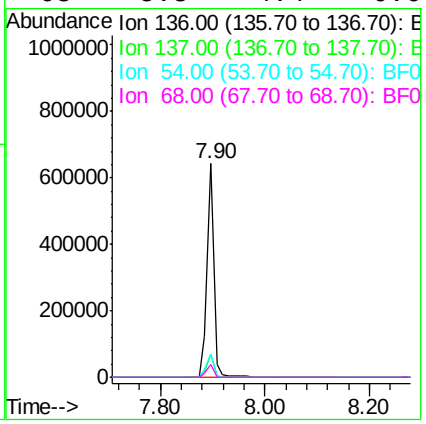


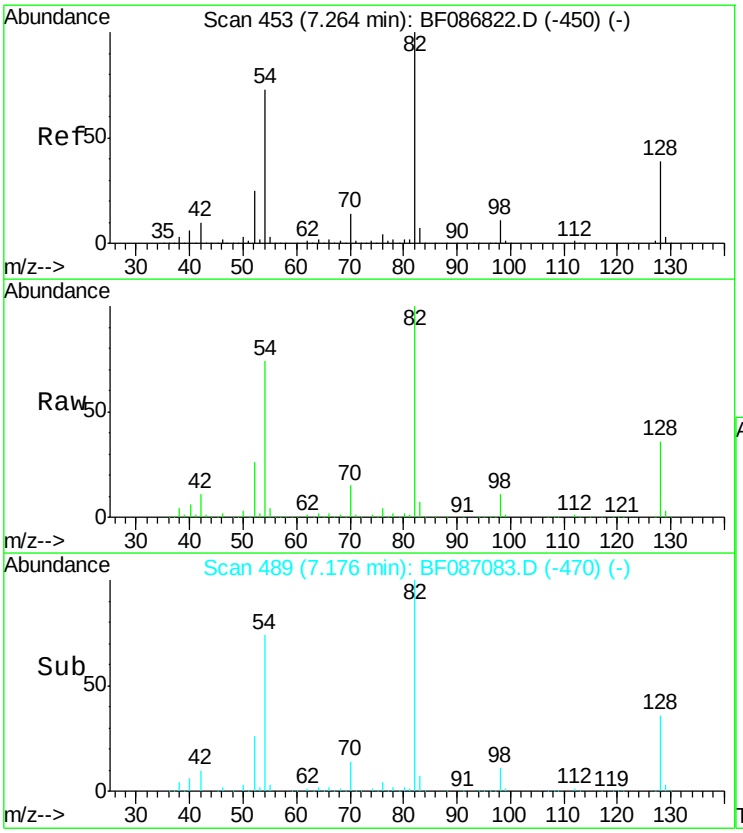
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:136 Resp: 574150

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	10.9	5.0	7.4#
68	5.8	4.4	6.6

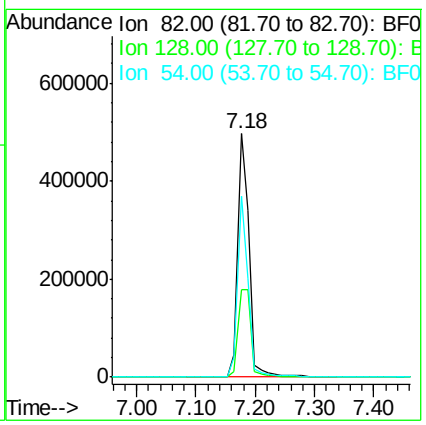


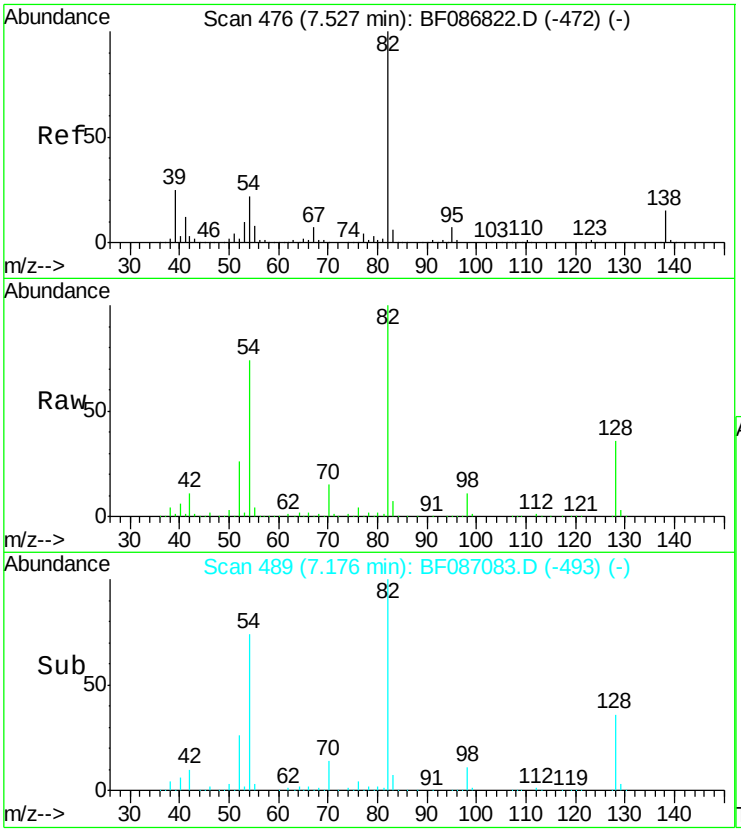


#23
Nitrobenzene-d5
Concen: 57.49 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion: 82 Resp: 657316

Ion	Ratio	Lower	Upper
82	100		
128	36.0	40.6	61.0#
54	74.3	38.1	57.1#



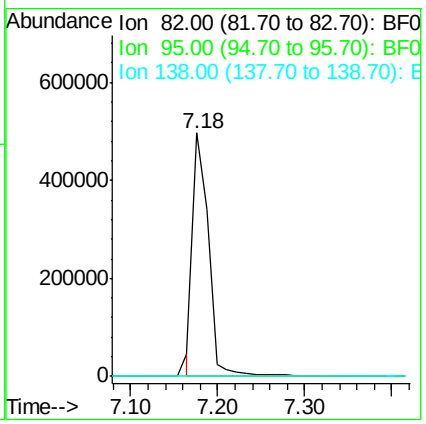


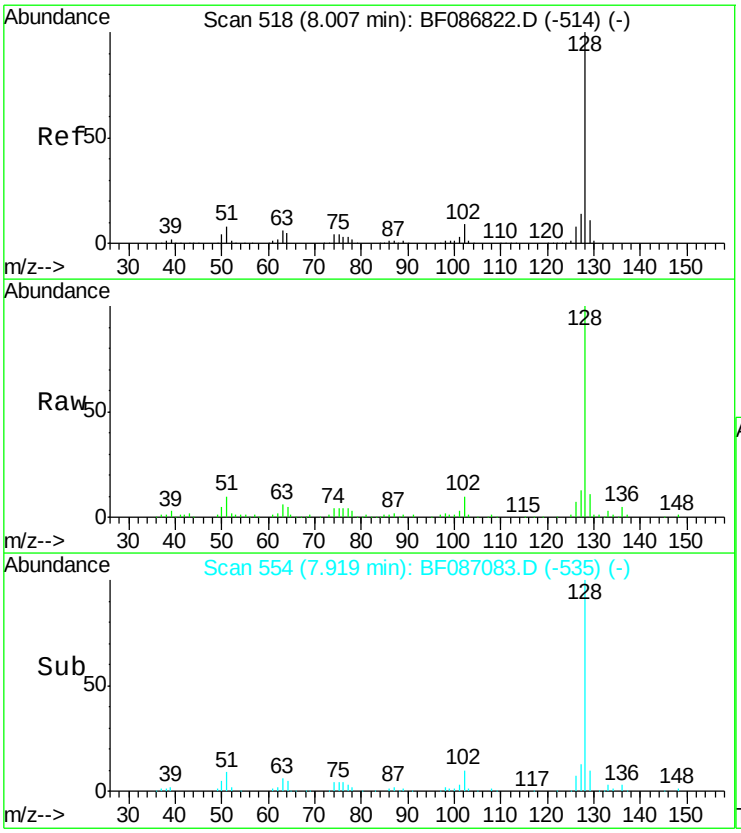
#25
Isophorone
Concen: 28.68 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.35 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion: 82 Resp: 608552

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

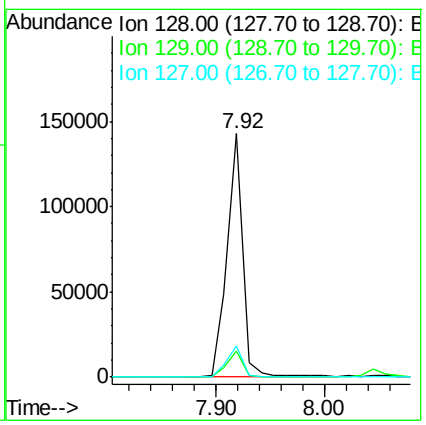


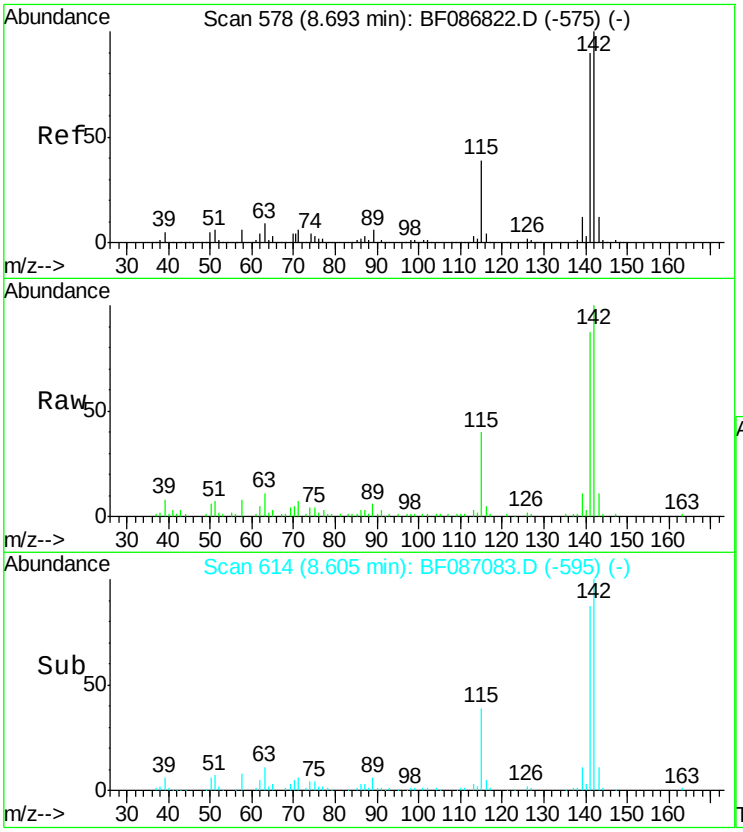


#31
Naphthalene
Concen: 4.96 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:128 Resp: 142646

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.8	16.2



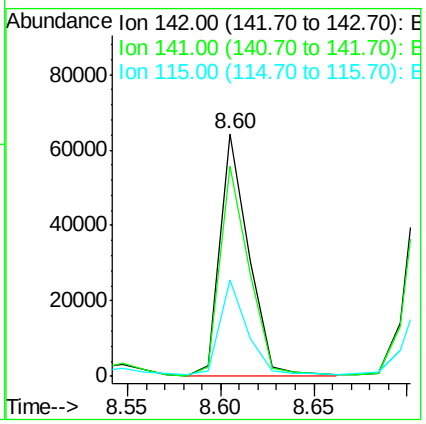


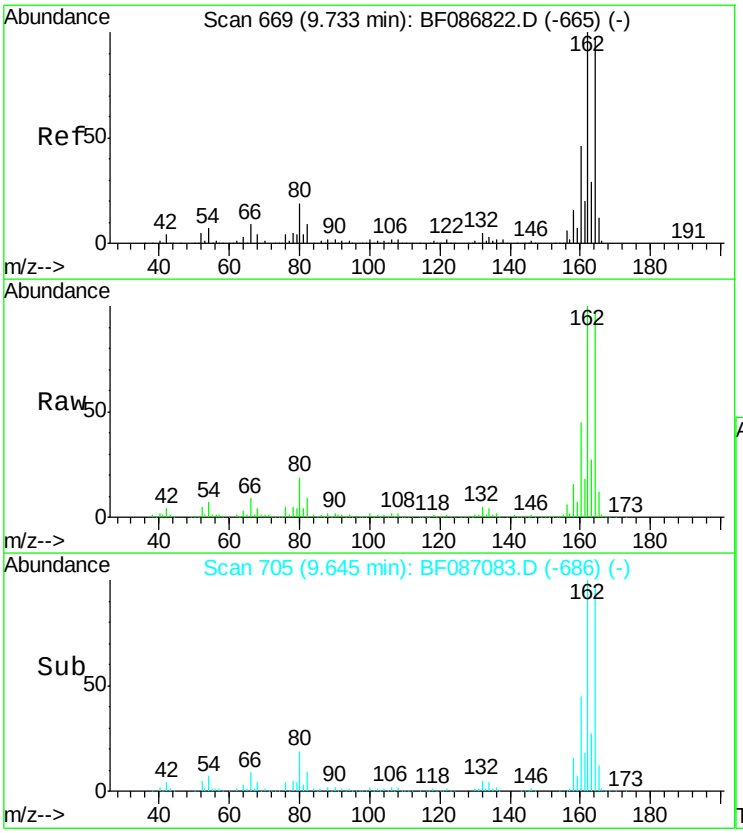
#37
2-Methylnaphthalene
Concen: 4.17 ng
RT: 8.60 min Scan# 614
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:142 Resp: 70182

Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.0	106.6
115	39.6	26.6	39.8

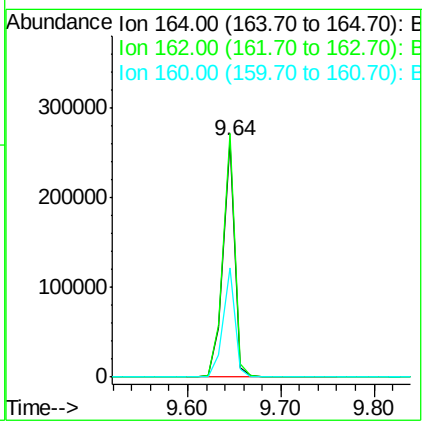


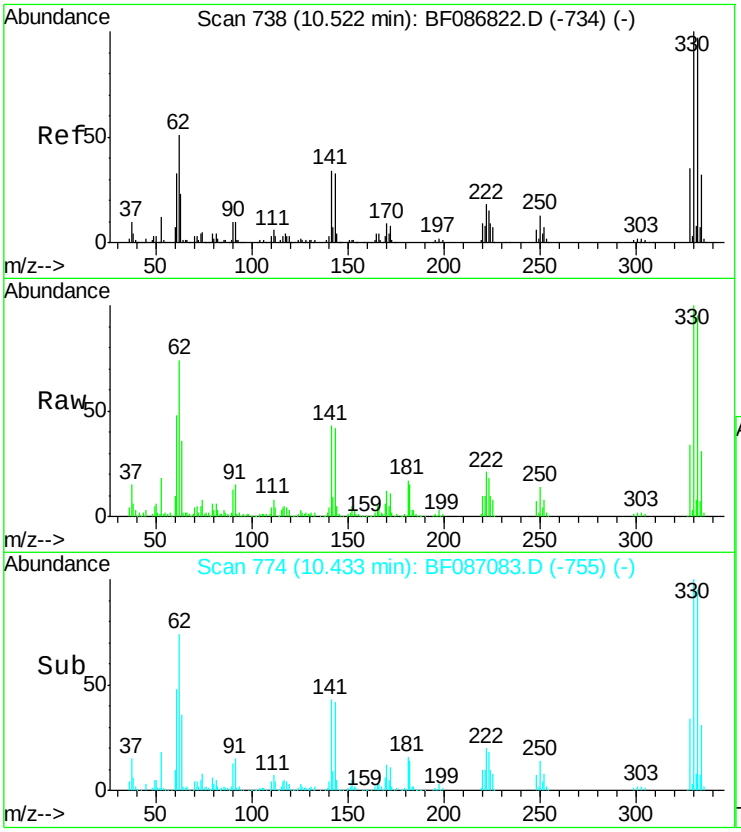


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:164 Resp: 229915

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.8	124.2
160	46.2	36.9	55.3



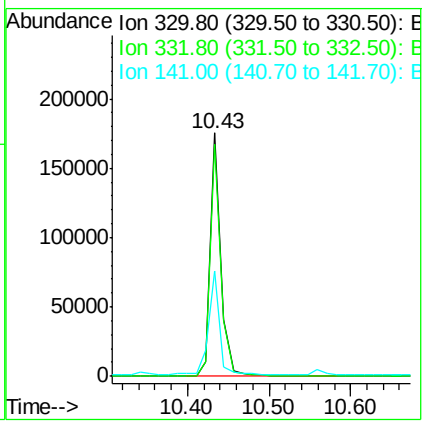


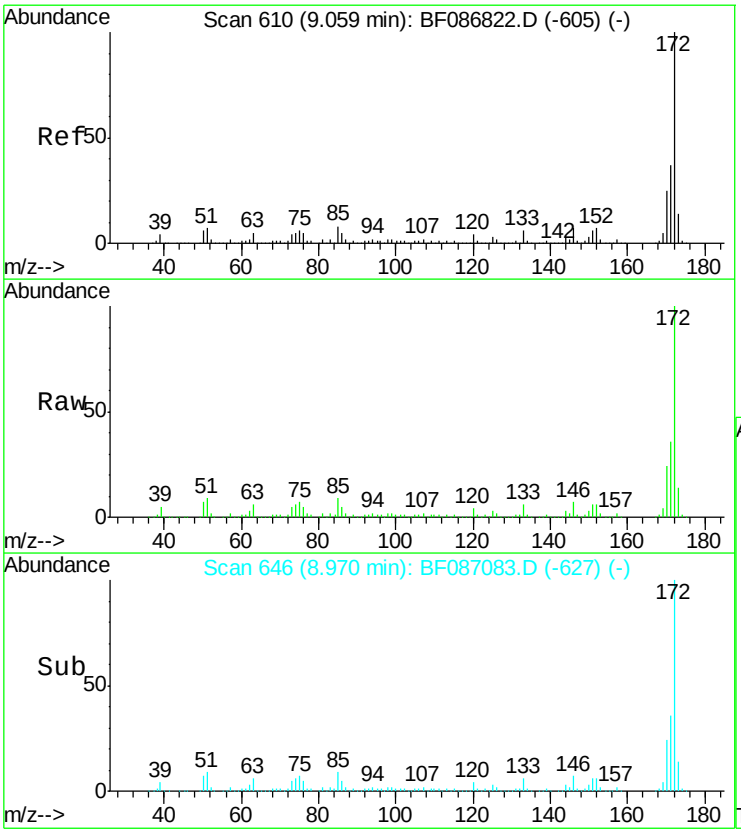
#41
2,4,6-Tribromophenol
Concen: 67.07 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:330 Resp: 163252

Ion	Ratio	Lower	Upper
330	100		
332	95.4	79.0	118.4
141	44.8	31.2	46.8

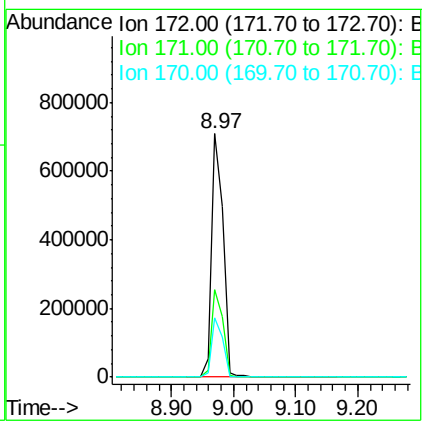


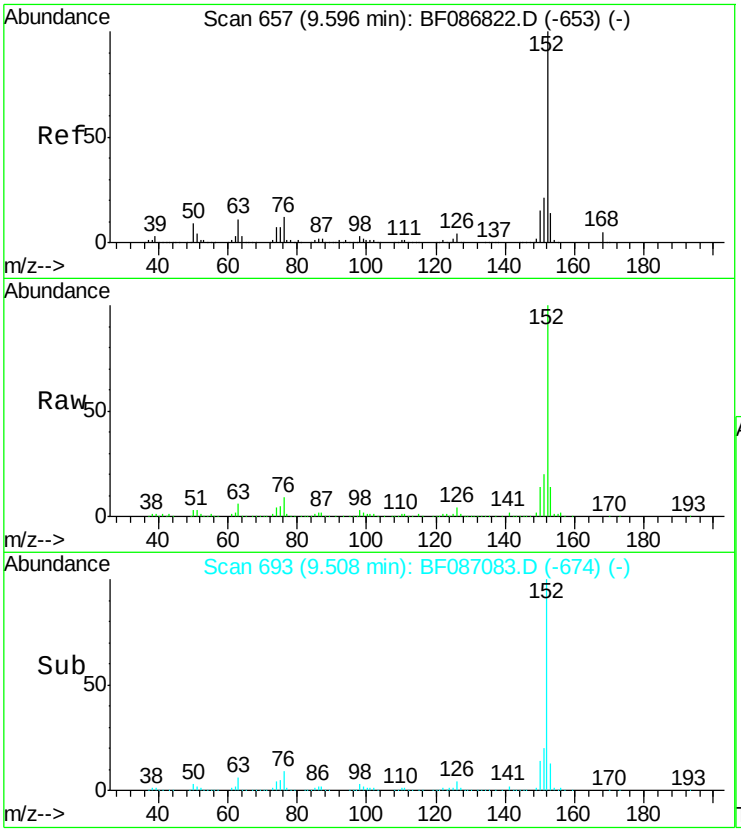


#44
2-Fluorobiphenyl
Concen: 65.12 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:172 Resp: 890884

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.2	19.8	29.8



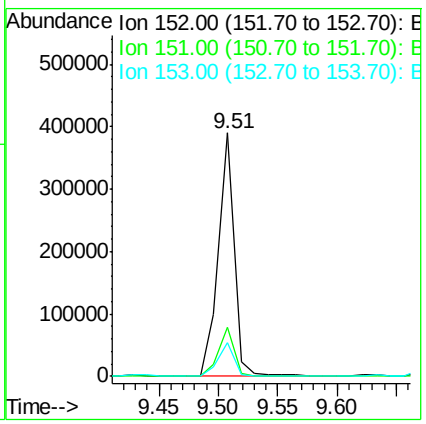


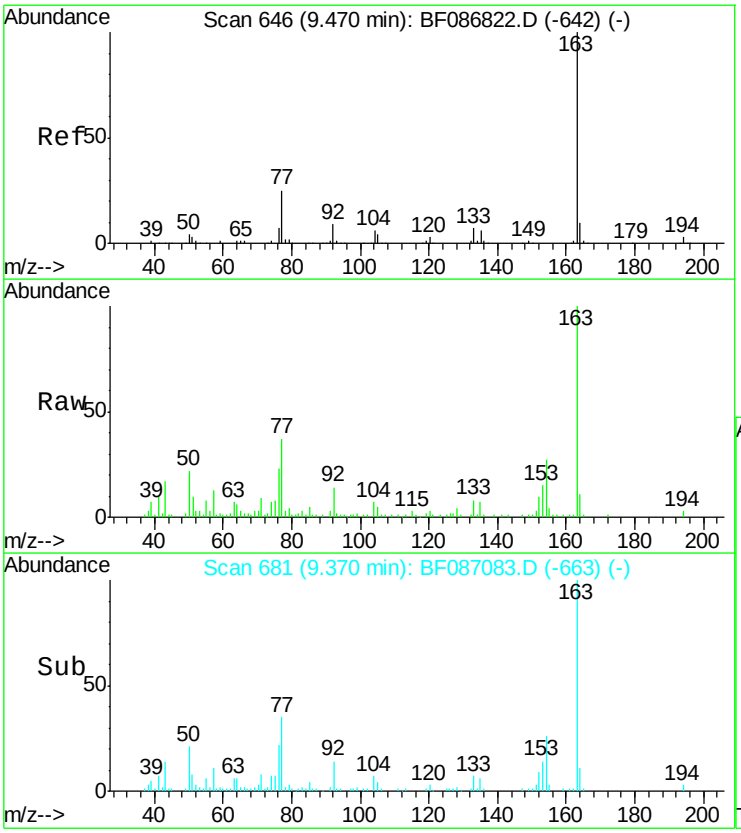
#48
Acenaphthylene
Concen: 17.12 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:152 Resp: 360885

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.8	25.2
153	13.7	10.9	16.3

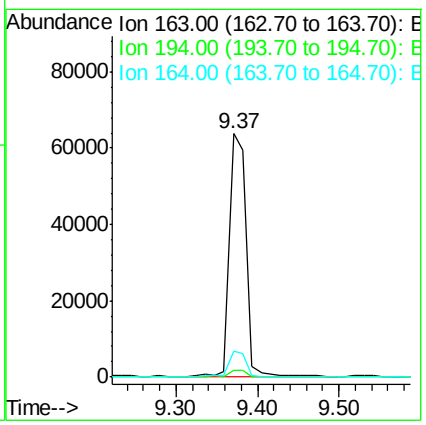


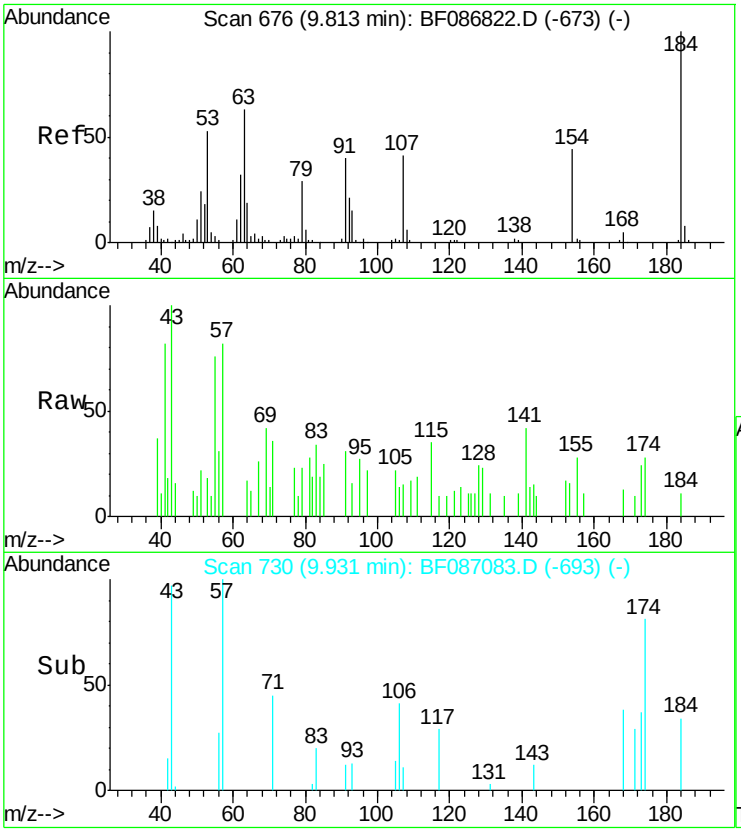


#49
Dimethylphthalate
Concen: 5.22 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.10 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:163 Resp: 91641

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.6	4.0
164	10.7	8.2	12.4



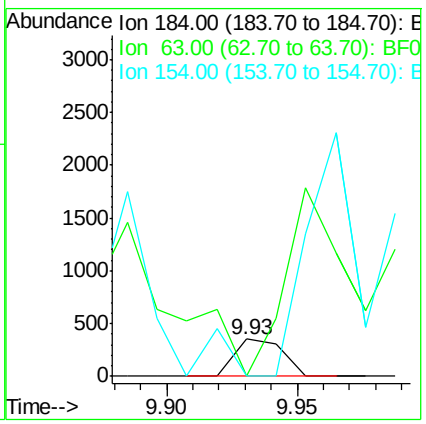


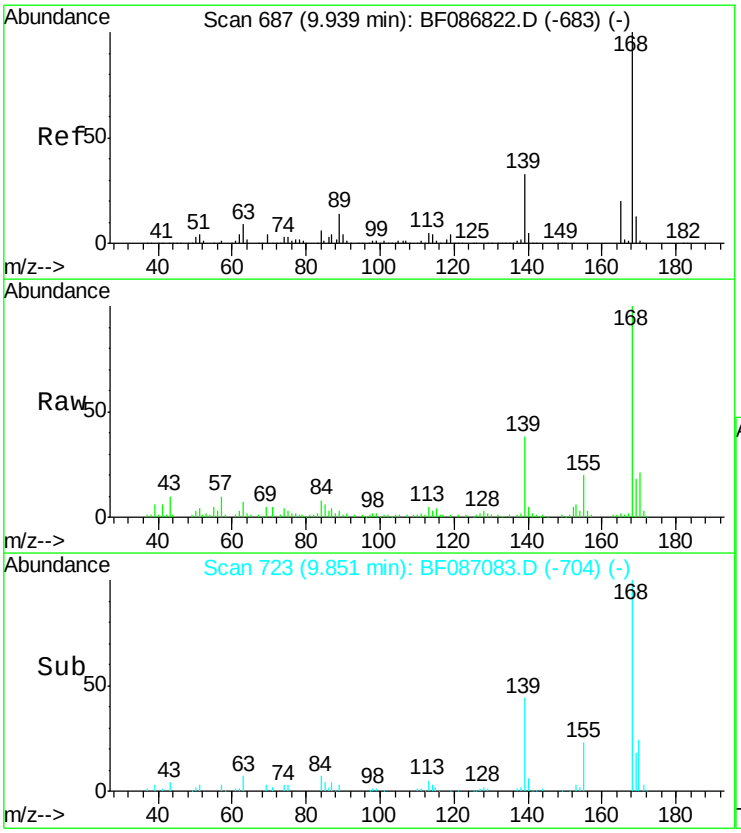
#53
2,4-Dinitrophenol
Concen: 7.91 ng
RT: 9.93 min Scan# 730
Delta R.T. 0.12 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:184 Resp: 450

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

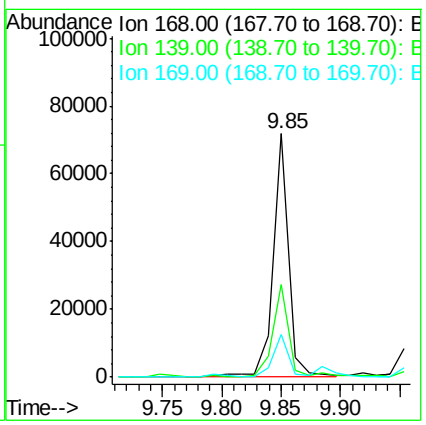


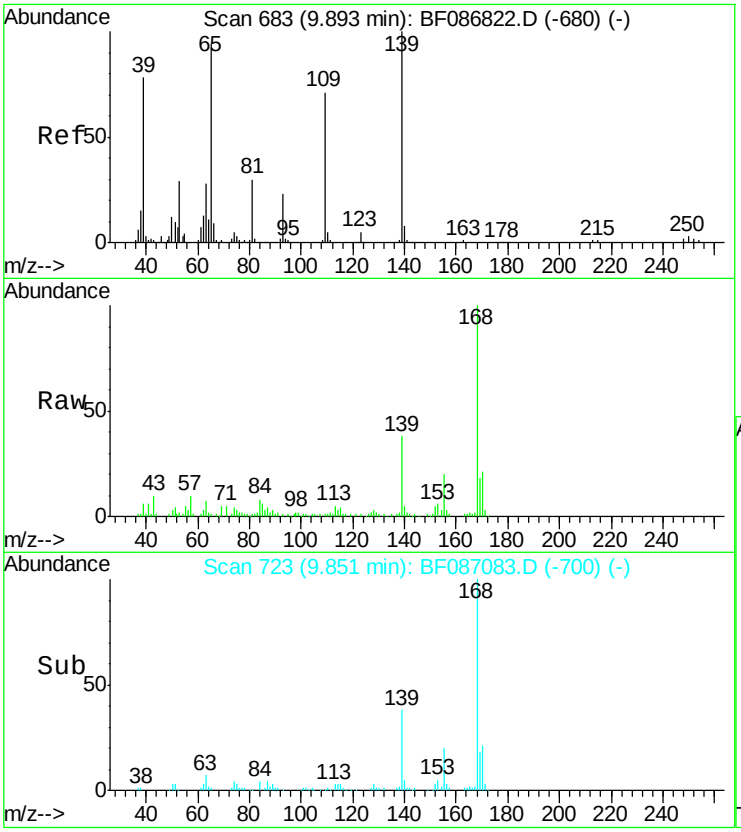


#54
Dibenzofuran
Concen: 3.88 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:168 Resp: 65326

Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.4	47.0
169	17.7	10.7	16.1#



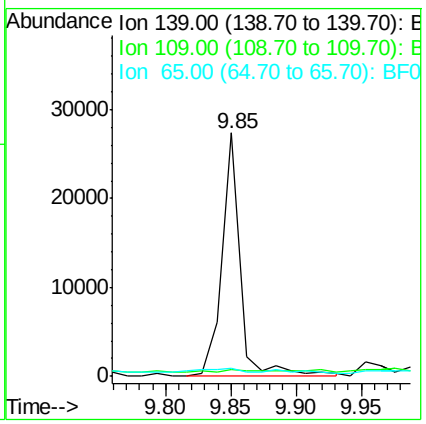


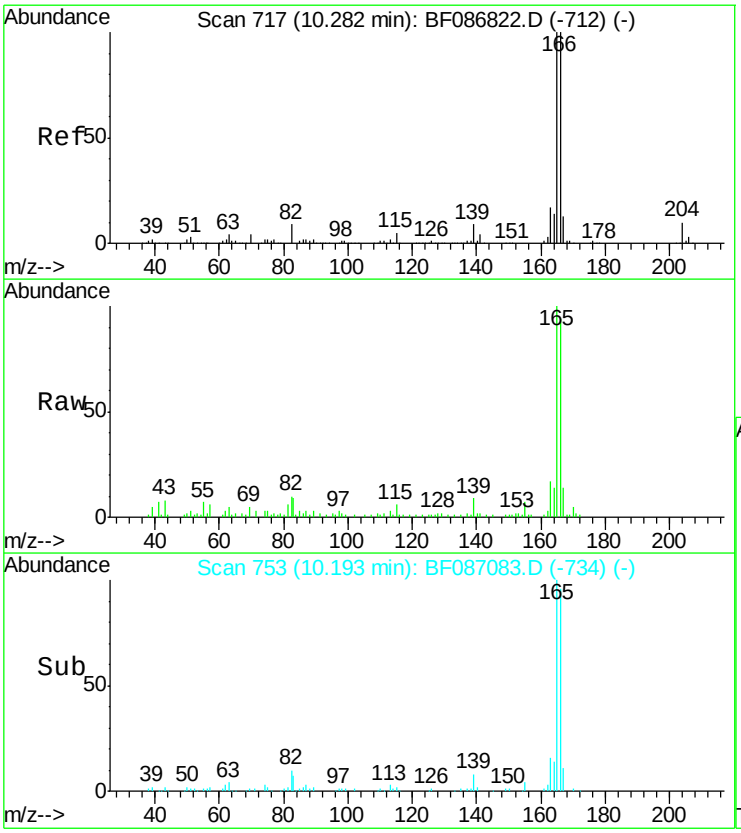
#55
4-Nitrophenol
Concen: 14.45 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:139 Resp: 27176

Ion	Ratio	Lower	Upper
139	100		
109	3.0	36.9	76.9#
65	3.3	64.0	104.0#

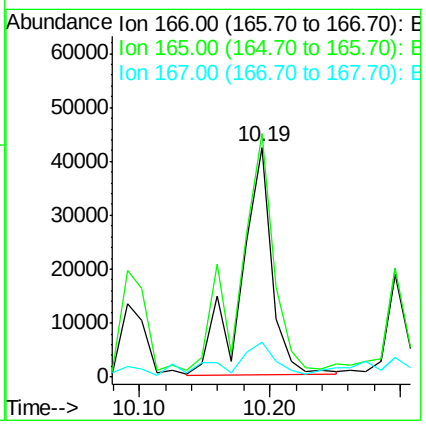


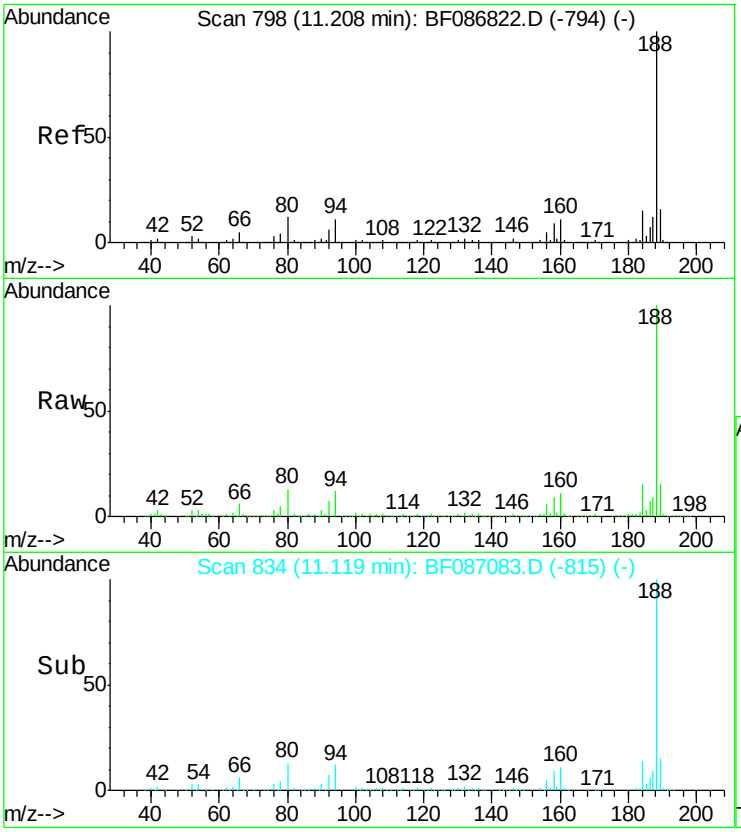


#57
Fluorene
Concen: 4.82 ng
RT: 10.19 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:166 Resp: 69113

Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.0	118.6
167	15.0	10.6	15.8



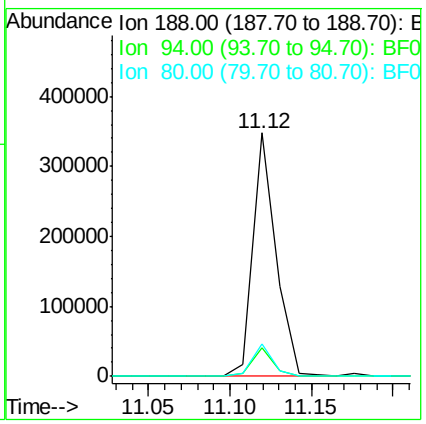


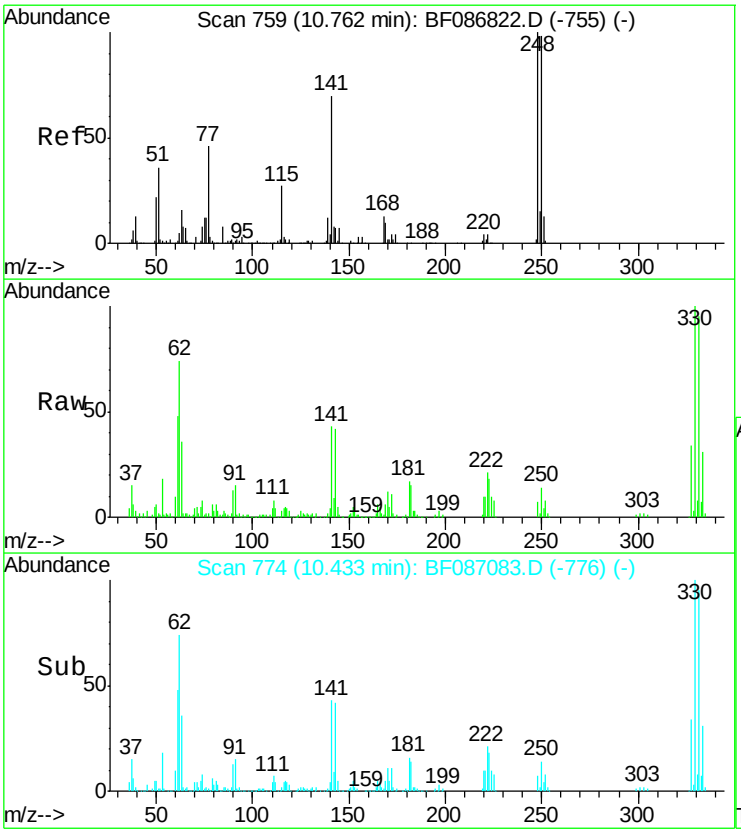
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:188 Resp: 343151

Ion	Ratio	Lower	Upper
188	100		
94	11.8	6.8	10.2#
80	13.2	7.1	10.7#

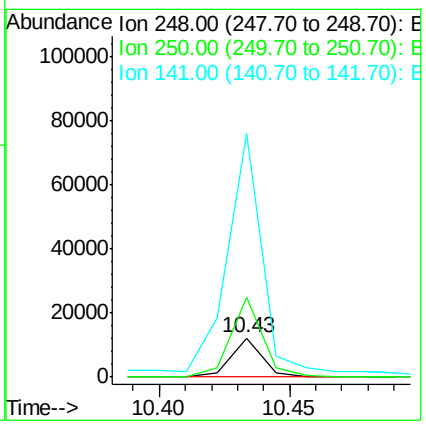


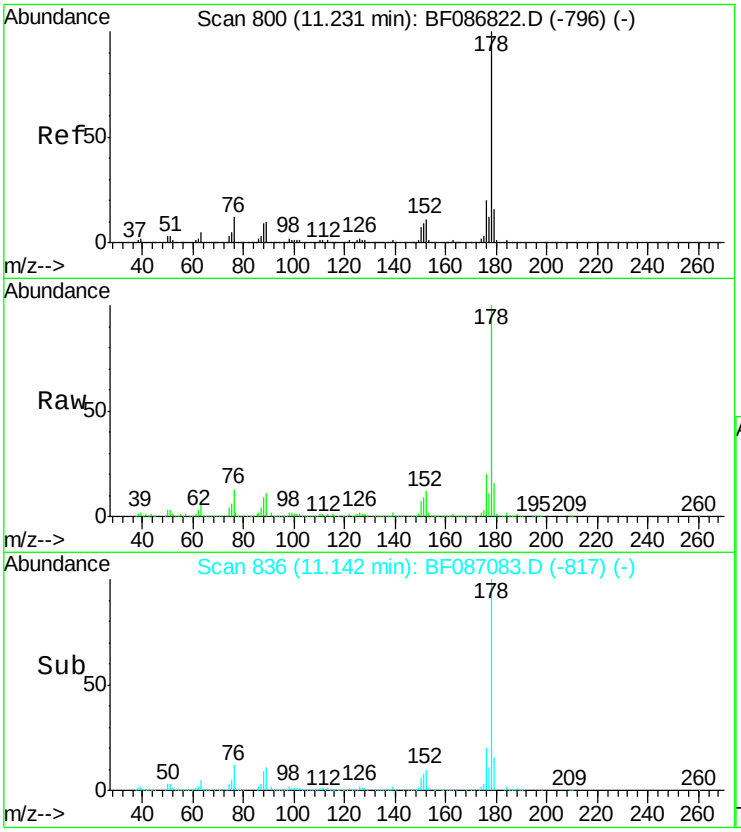


#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:248 Resp: 10397

Ion	Ratio	Lower	Upper
248	100		
250	201.7	78.6	117.8#
141	618.7	76.0	114.0#



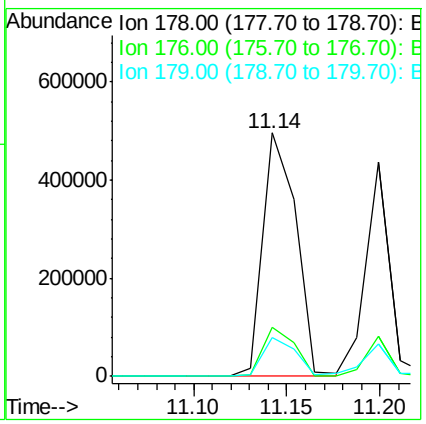


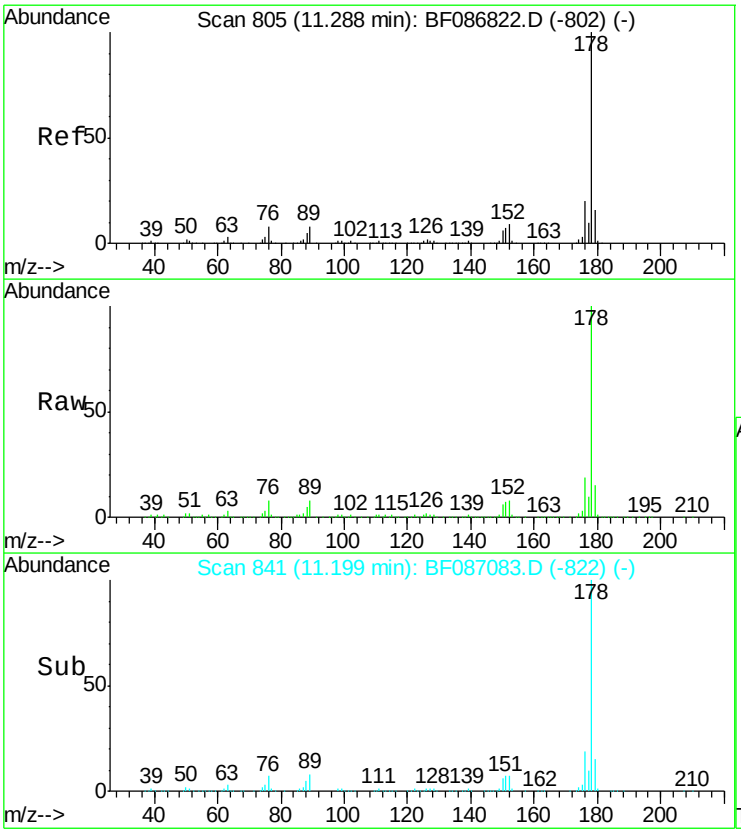
#70
Phenanthrene
Concen: 33.23 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:178 Resp: 608561

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	16.1	12.6	18.8

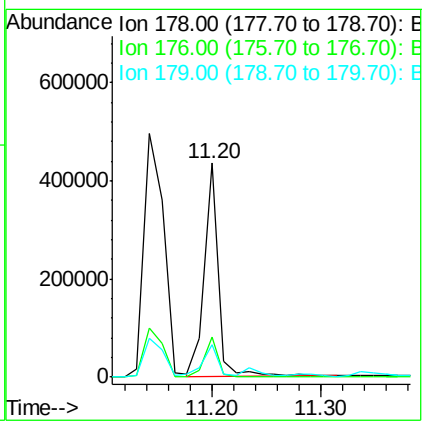


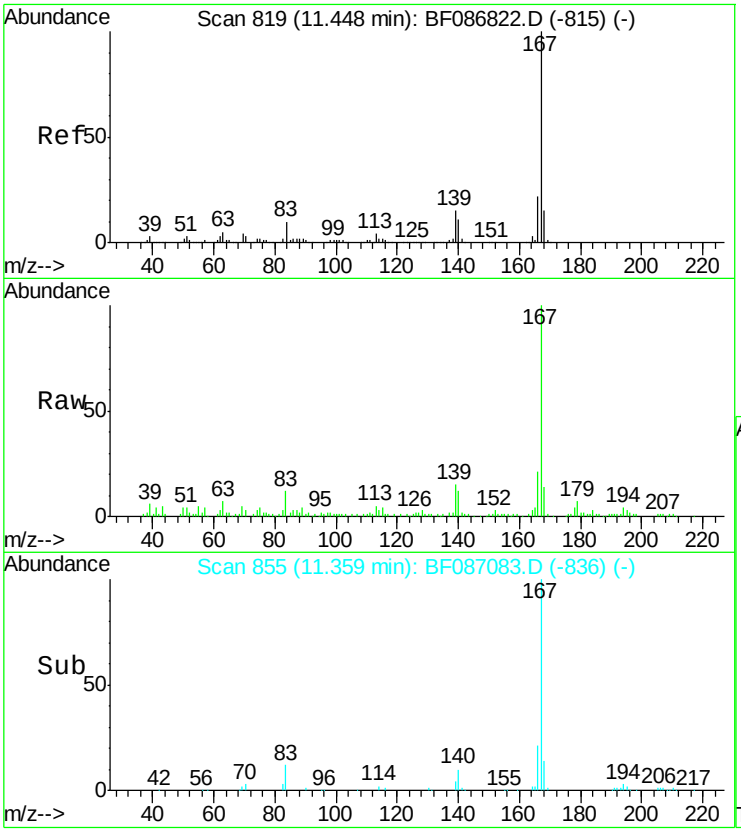


#71
Anthracene
Concen: 21.14 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:178 Resp: 395915

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.3	12.7	19.1



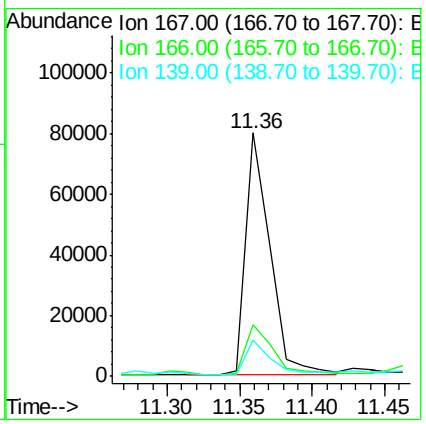


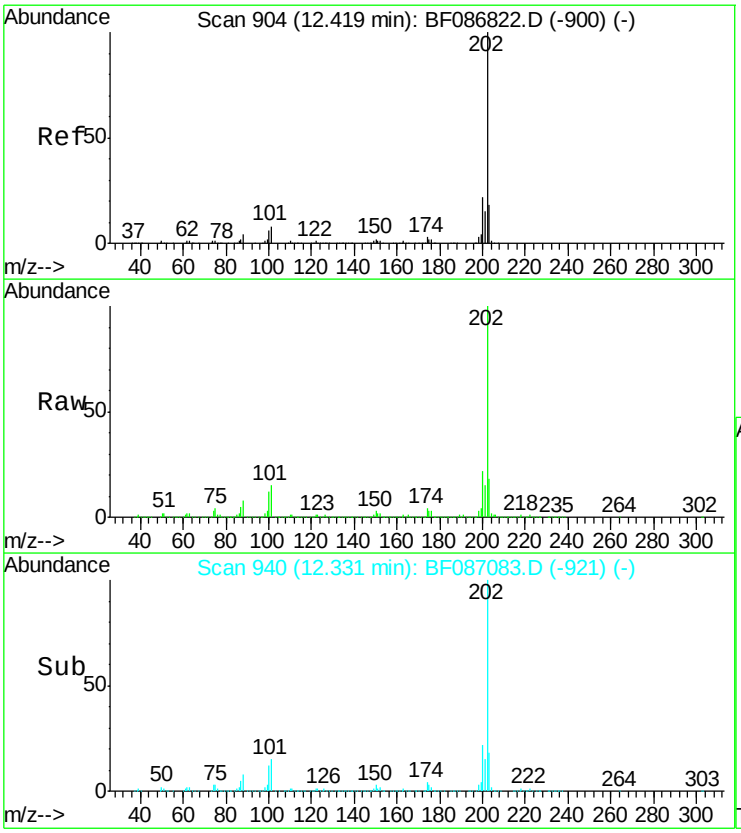
#72
Carbazole
Concen: 5.71 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:167 Resp: 92004

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.7	26.5
139	14.9	10.8	16.2

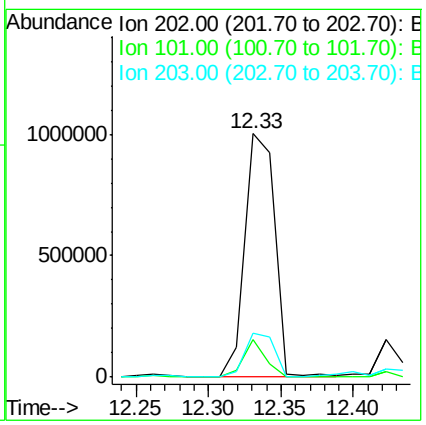


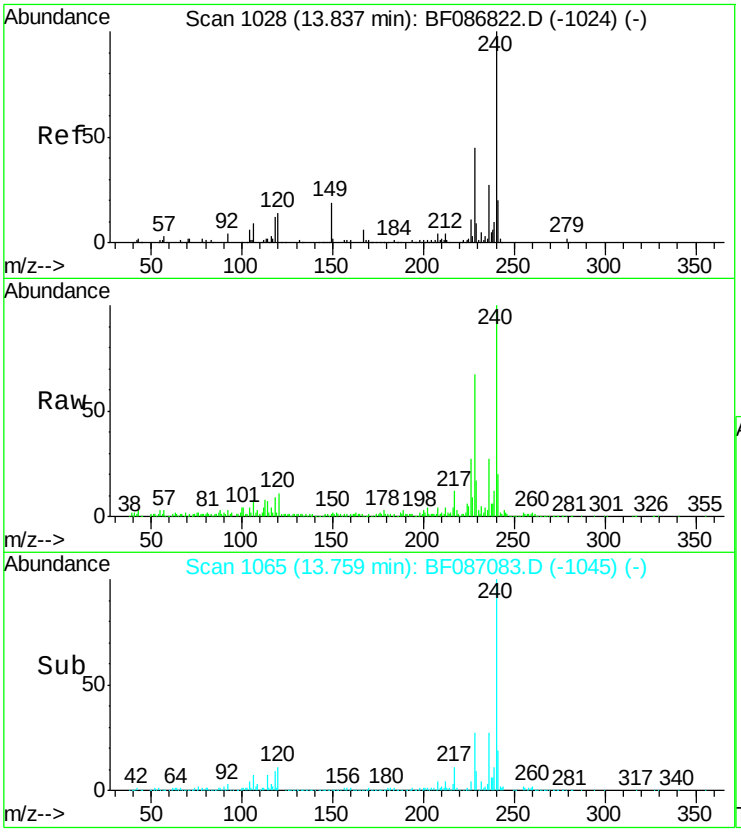


#74
Fluoranthene
Concen: 75.51 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:202 Resp: 1422226

Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	35.4
203	18.2	0.0	38.1



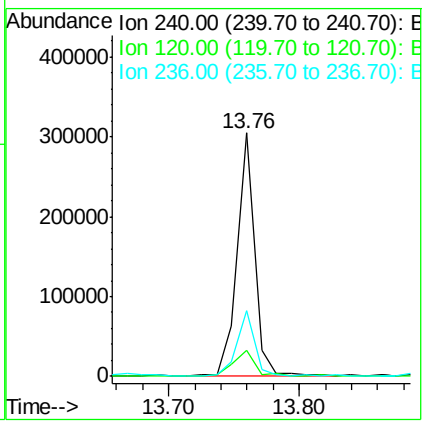


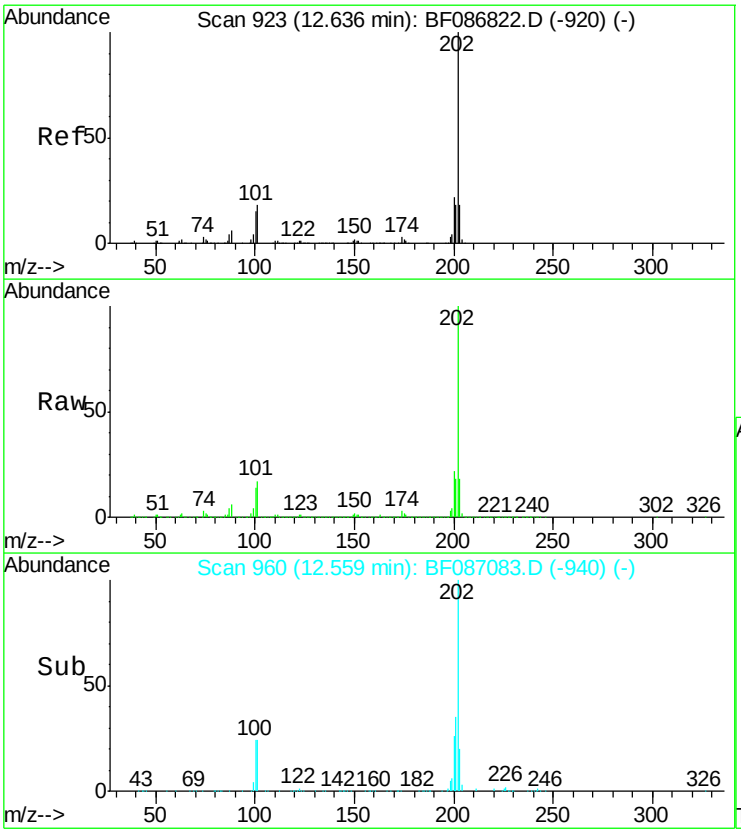
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:240 Resp: 279307

Ion	Ratio	Lower	Upper
240	100		
120	10.8	11.2	16.8#
236	26.8	21.2	31.8

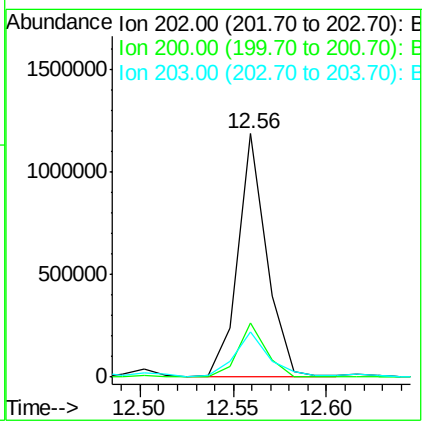


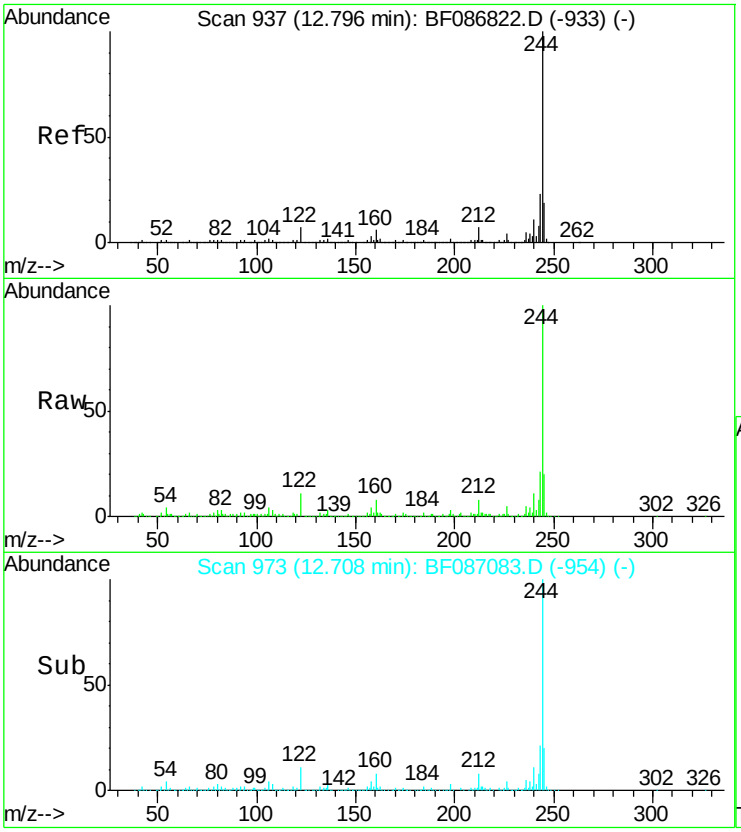


#77
Pyrene
Concen: 59.07 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.08 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:202 Resp: 1263166

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.7	26.5
203	18.5	14.2	21.4



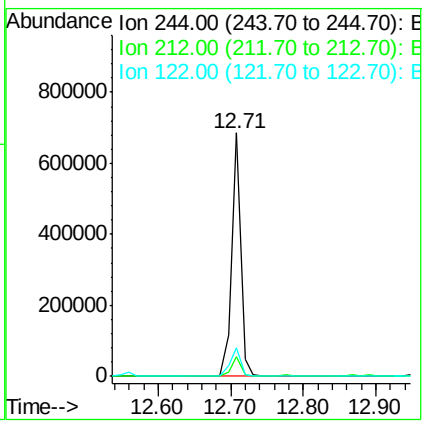


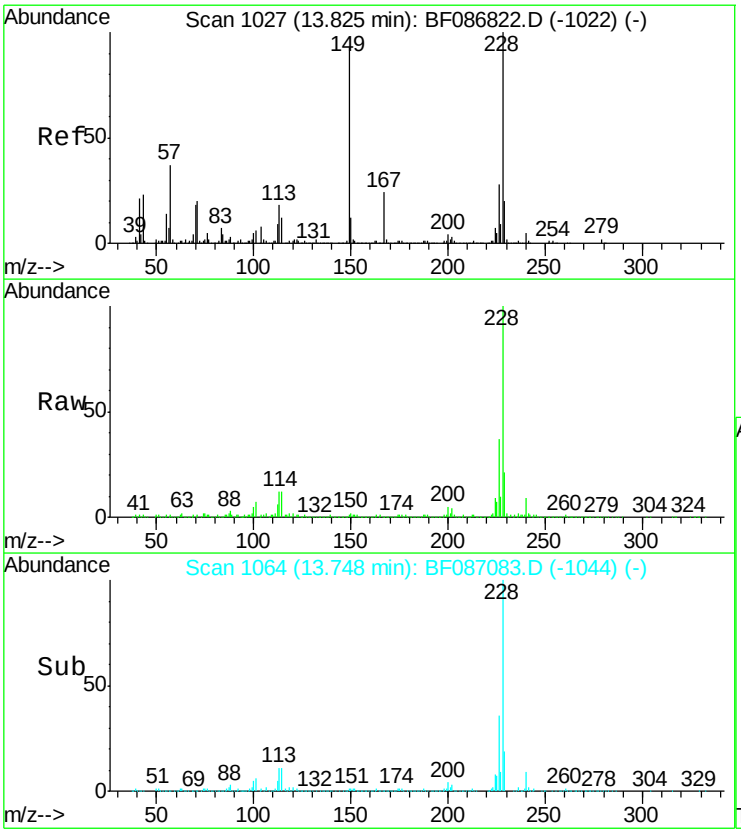
#78
Terphenyl-d14
Concen: 45.21 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:244 Resp: 595143

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.5	12.0	18.0#

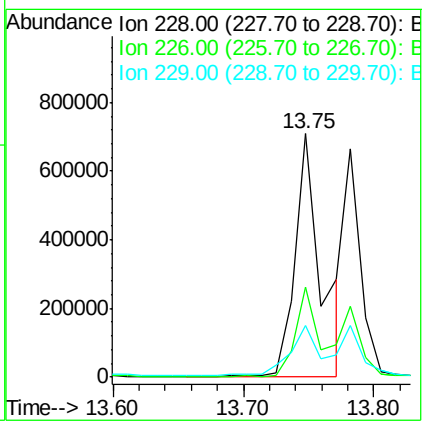


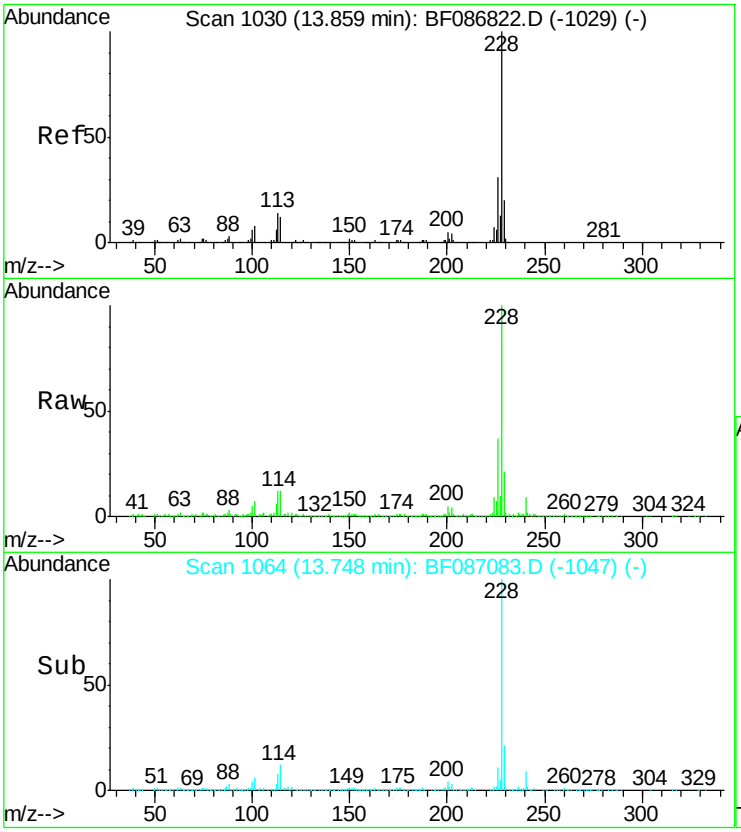


#80
Benzo(a)anthracene
Concen: 62.77 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.08 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:228 Resp: 984279

Ion	Ratio	Lower	Upper
228	100		
226	36.8	22.5	33.7#
229	21.0	16.6	25.0



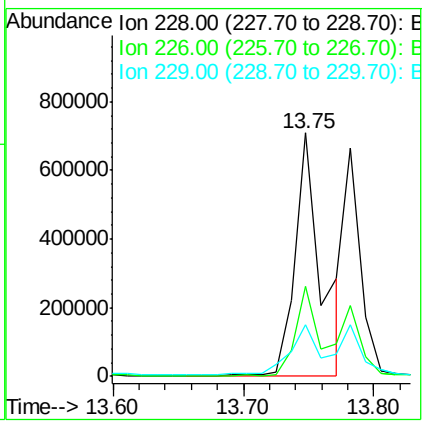


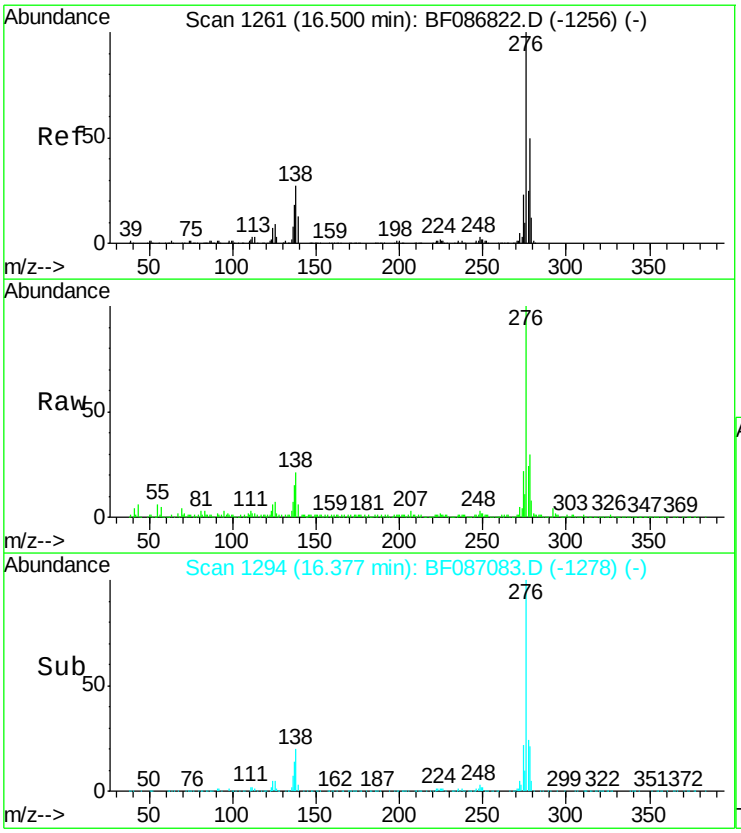
#82
Chrysene
Concen: 61.71 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.11 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:228 Resp: 984279

Ion	Ratio	Lower	Upper
228	100		
226	36.8	24.4	36.6#
229	21.0	15.8	23.8

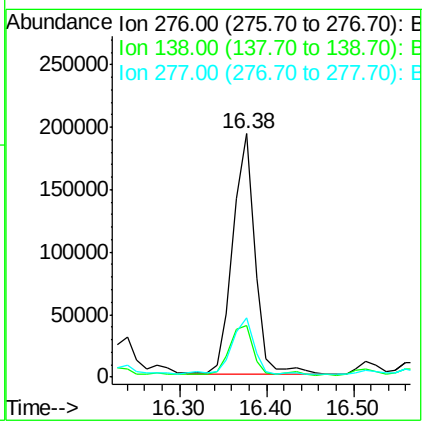


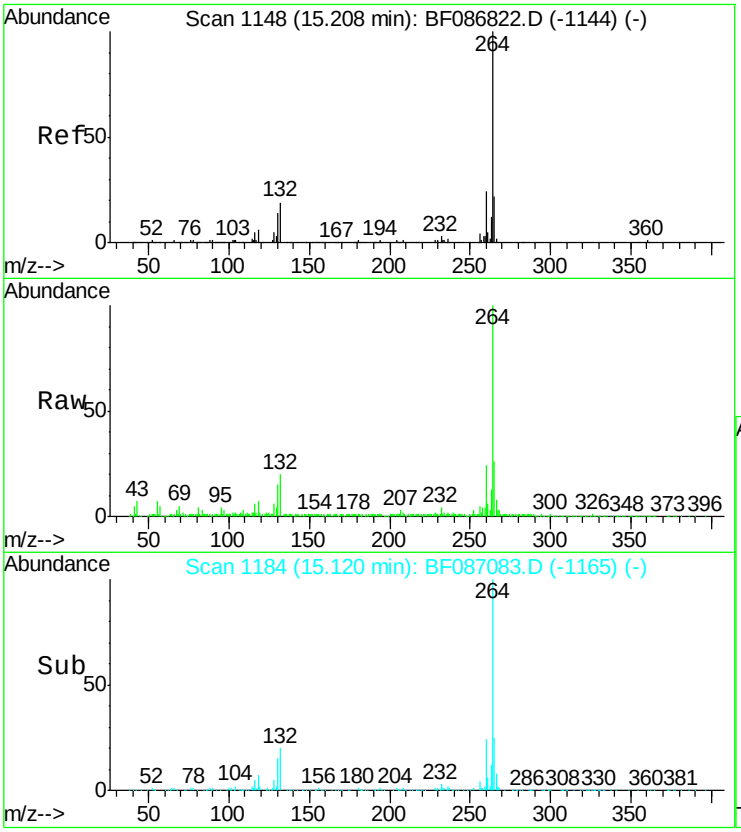


#85
Indeno(1,2,3-cd)pyrene
Concen: 25.82 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.12 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:276 Resp: 342629

Ion	Ratio	Lower	Upper
276	100		
138	21.9	25.6	38.4#
277	23.4	20.5	30.7



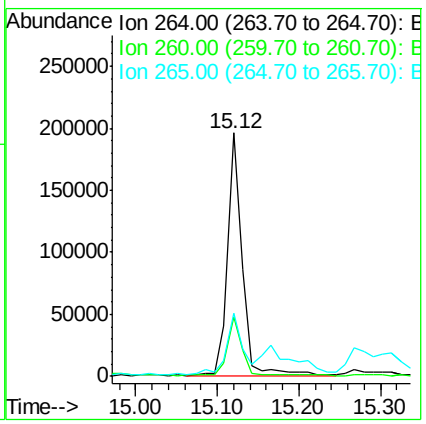


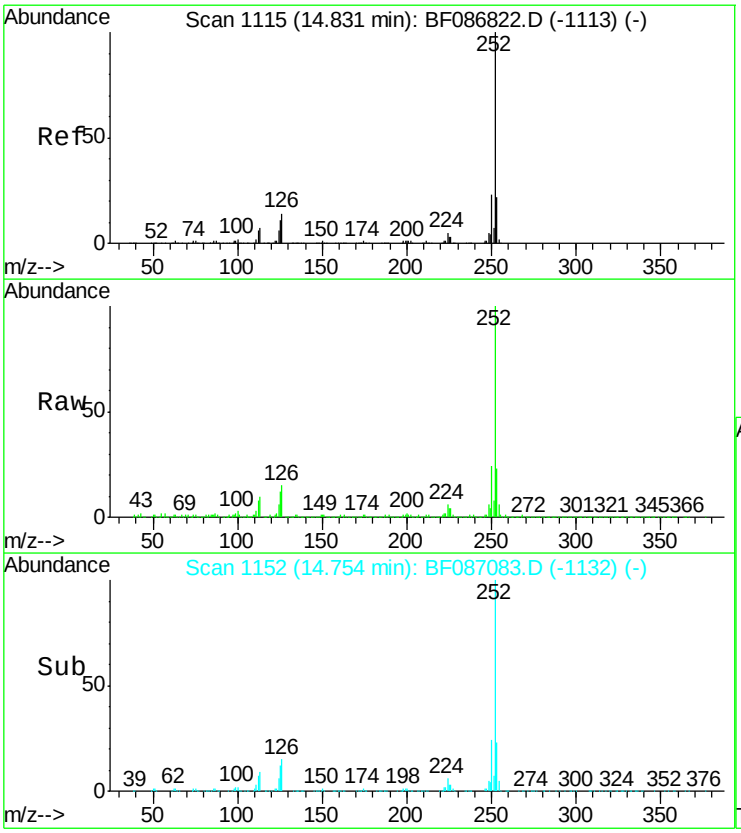
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:264 Resp: 242138

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	25.8	17.3	25.9

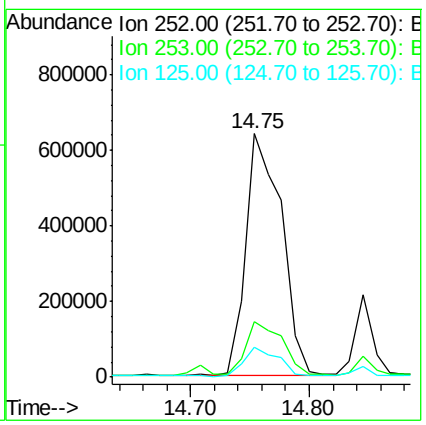


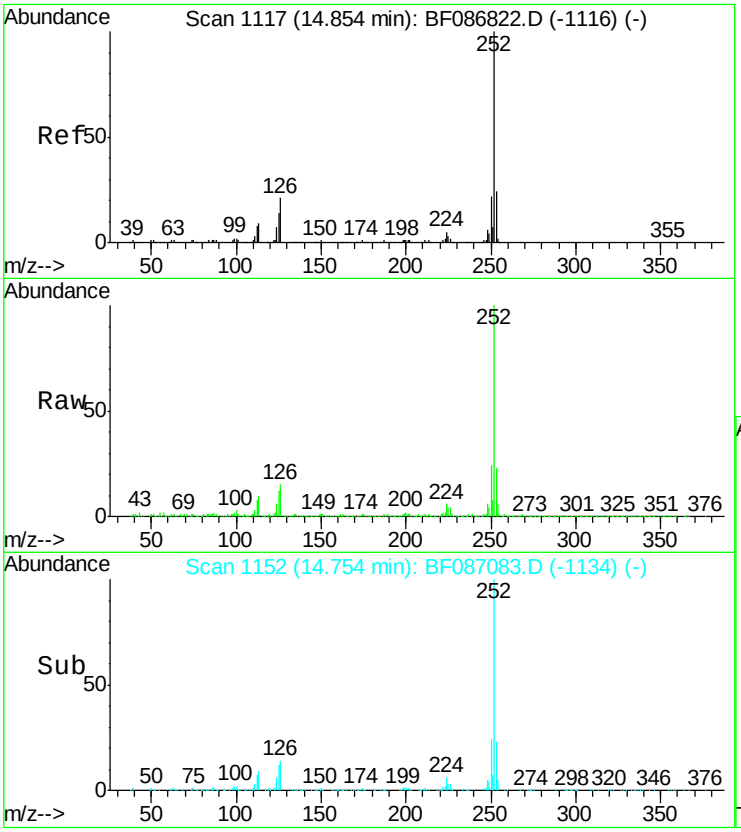


#87
Benzo(b)fluoranthene
Concen: 85.48 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:252 Resp: 1345155

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	11.4	17.0



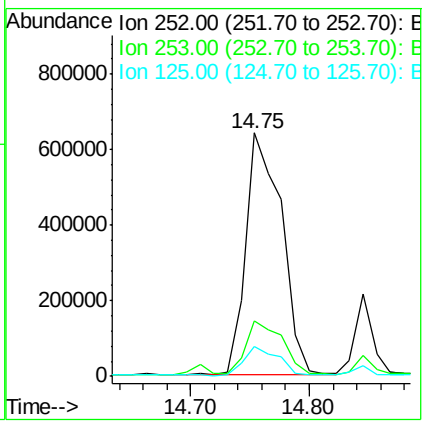


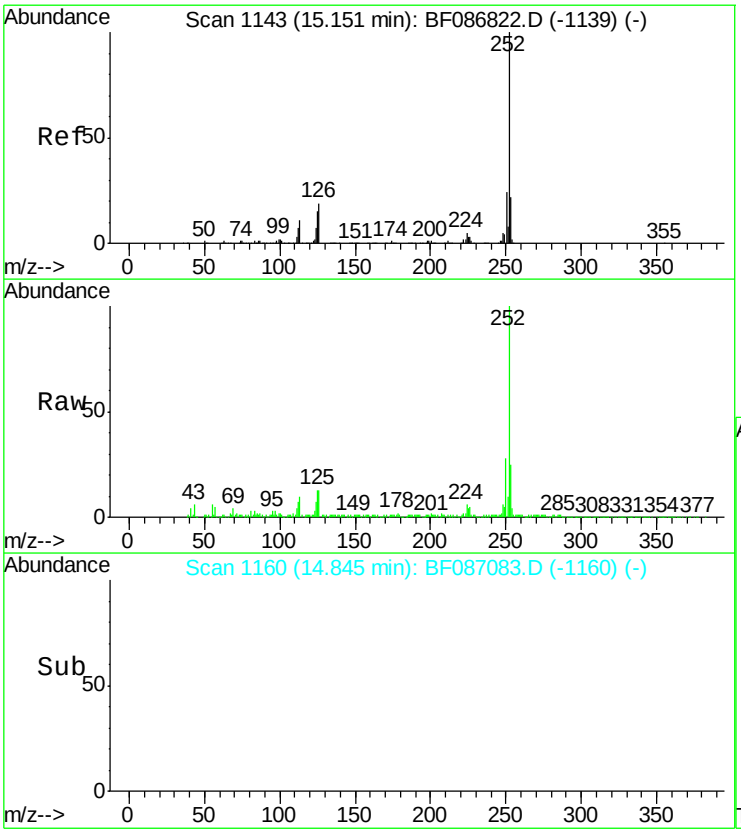
#88
Benzo(k)fluoranthene
Concen: 104.39 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:252 Resp: 1345155

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	9.1	13.7

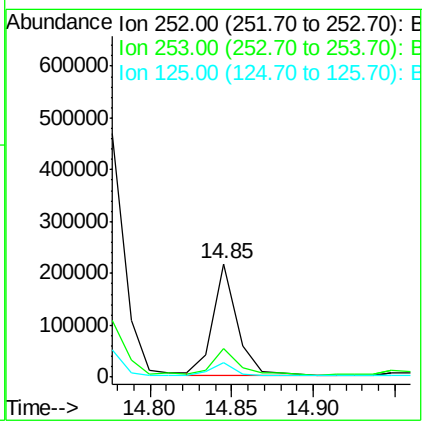


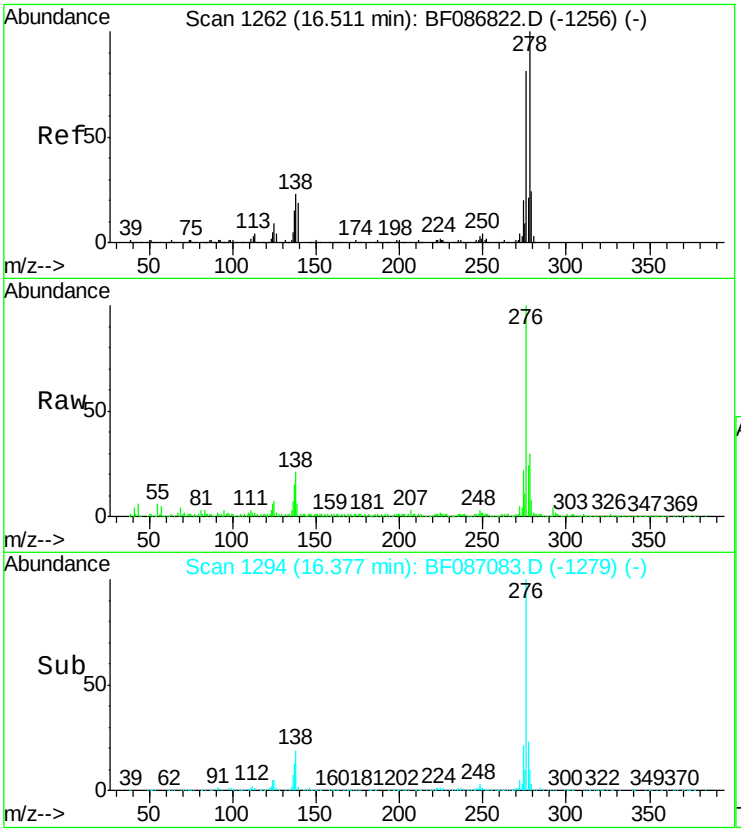


#89
Benzo(a)pyrene
Concen: 16.37 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.31 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:252 Resp: 222179

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	13.1	9.0	13.6



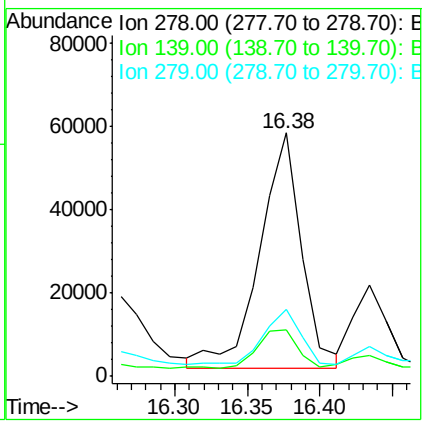


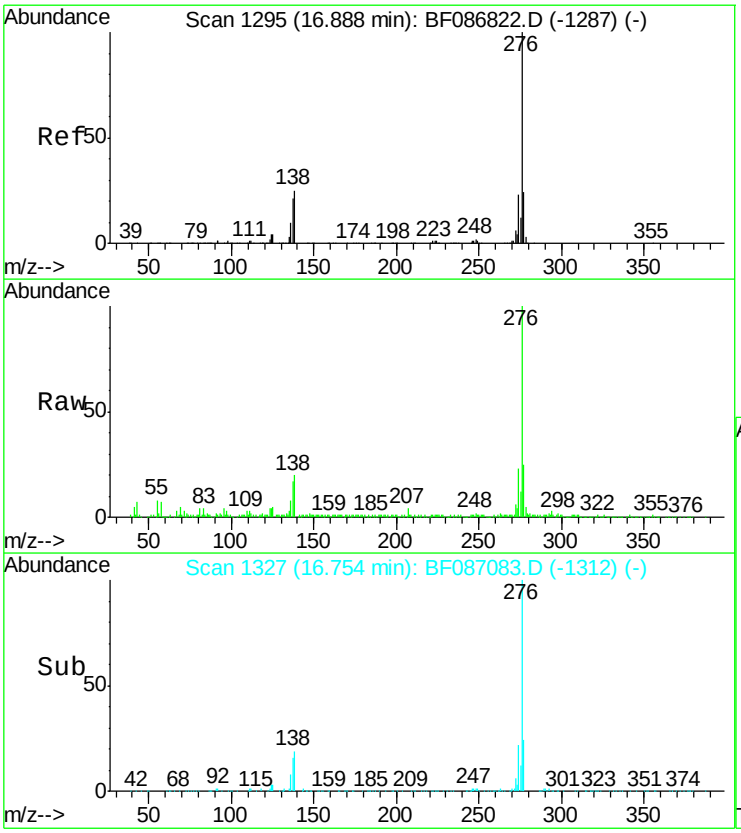
#90
Dibenzo(a,h)anthracene
Concen: 9.89 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.13 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

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

Tgt Ion:278 Resp: 113178

Ion	Ratio	Lower	Upper
278	100		
139	19.2	16.6	24.8
279	27.3	19.6	29.4





#91
Benzo(g,h,i)perylene
Concen: 23.25 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.13 min
Lab File: BF087083.D
Acq: 16 May 2016 16:04

Tgt Ion:276 Resp: 270223

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	20.2	23.6	35.4#