Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089424.D
Acq On : 29 Jul 2016 22:39
Operator : UM/SJ
Sample : H4221-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48-14.0-15.0

Quant Time: Jul 29 23:34:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45054	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	179918	20.00	ng		-0.02
38) Acenaphthene-d10	9.54	164	86318	20.00	ng		-0.03
63) Phenanthrene-d10	11.02	188	133660	20.00	ng		-0.03
75) Chrysene-d12	13.63	240	93832	20.00	ng		-0.03
86) Perylene-d12	14.96	264	94419	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	362903	128.61	ng		-0.01
7) Phenol-d6	6.18	99	481871	129.22	ng		-0.02
23) Nitrobenzene-d5	7.08	82	284614	93.37	ng		-0.03
41) 2,4,6-Tribromophenol	10.33	330	77888	108.95	ng		-0.03
44) 2-Fluorobiphenyl	8.88	172	480482	81.69	ng		-0.03
78) Terphenyl-d14	12.59	244	305085	76.10	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	50900	39.80	ng	#	26
6) Aniline	6.28	93	387	0.10	ng	#	1
9) Benzaldehyde	6.18	77	632	0.35	ng	#	1
10) Phenol	6.19	94	2002	0.49	ng	#	1
11) bis(2-Chloroethyl)ether	6.28	93	387	0.11	ng	#	1
15) Benzyl Alcohol	6.66	79	4444	1.92	ng	#	51
19) n-Nitroso-di-n-propylamine	7.08	70	36168	16.08	ng	#	82
24) Nitrobenzene	7.08	77	682	0.20	ng	#	38
45) 1,1'-Biphenyl	8.88	154	726	0.10	ng	#	1
47) 2-Nitroaniline	9.28	65	1922	1.18	ng	#	1
49) Dimethylphthalate	9.28	163	192658	29.33	ng		99
50) 2,6-Dinitrotoluene	9.28	165	1777	1.32	ng	#	1
51) Acenaphthene	9.54	154	211	0.04	ng	#	4
56) 2,4-Dinitrotoluene	9.54	165	10545	5.93	ng	#	7
57) Fluorene	10.33	166	4014	0.66	ng	#	93
59) Diethylphthalate	9.98	149	545	0.08	ng	#	62
62) Azobenzene	10.32	77	281	0.04	ng	#	21
65) n-Nitrosodiphenylamine	10.33	169	3087	0.74	ng	#	42
66) 4-Bromophenyl-phenylether	10.33	248	5740	4.50	ng	#	1
76) Benzidine	12.59	184	4750	1.37	ng		99
77) Pyrene	12.59	202	815	0.11	ng	#	49

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

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BNA_F
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SB-48-14.0-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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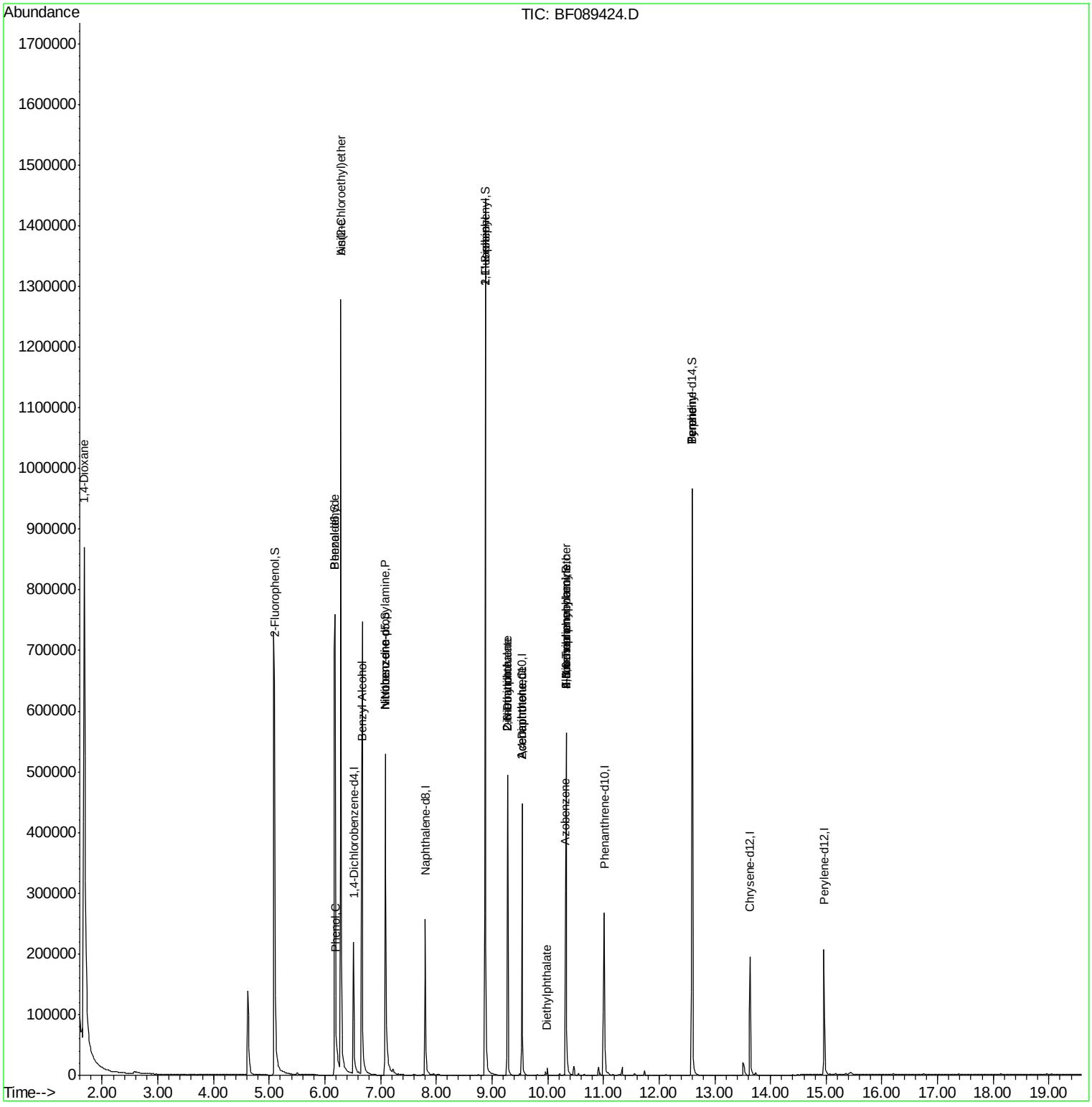
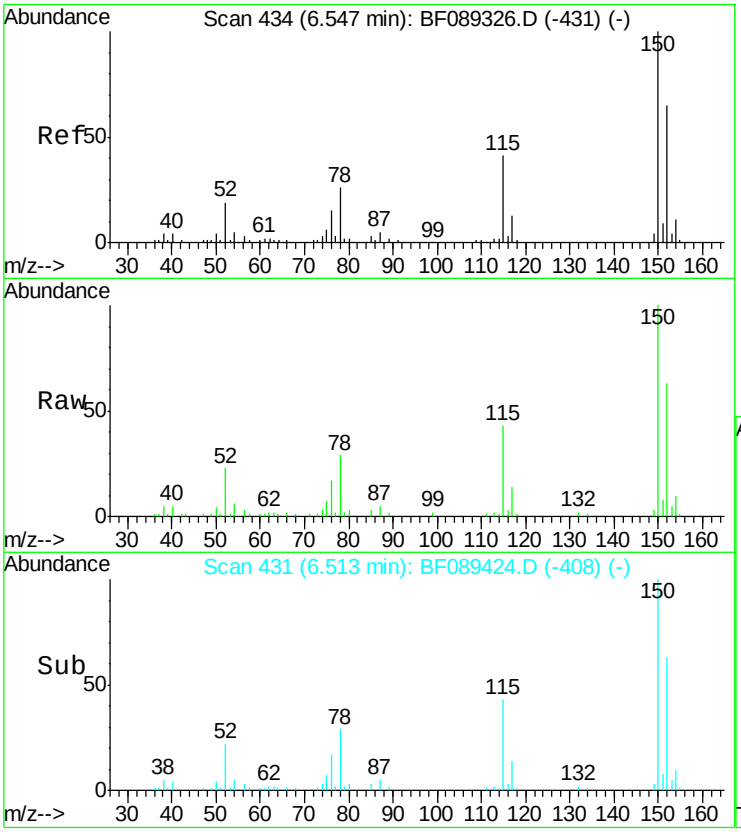


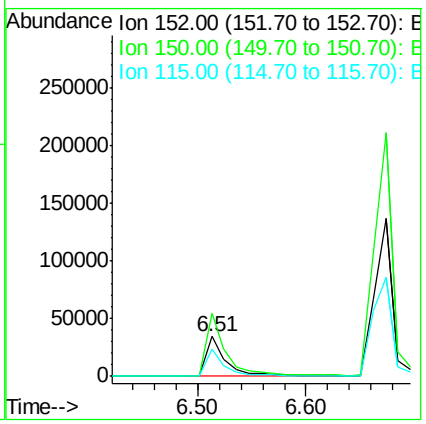


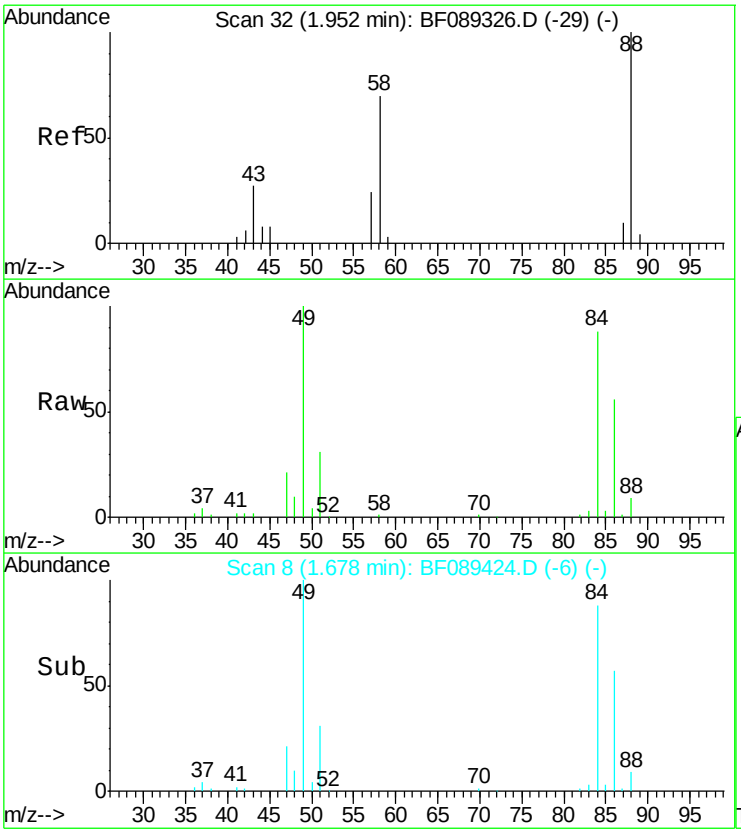
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:152 Resp: 45054

Ion	Ratio	Lower	Upper
152	100		
150	159.3	129.5	194.3
115	68.6	51.4	77.2

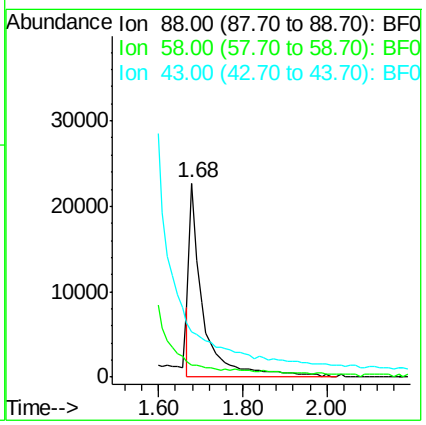


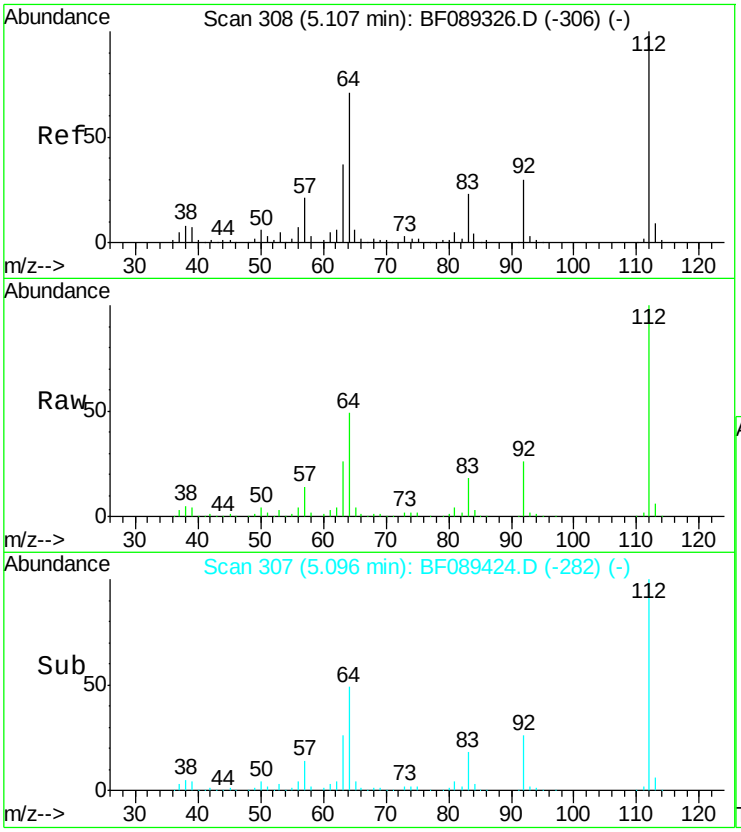


#2
1,4-Dioxane
Concen: 39.80 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 88 Resp: 50900

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.2	79.8#
43	0.0	20.6	31.0#



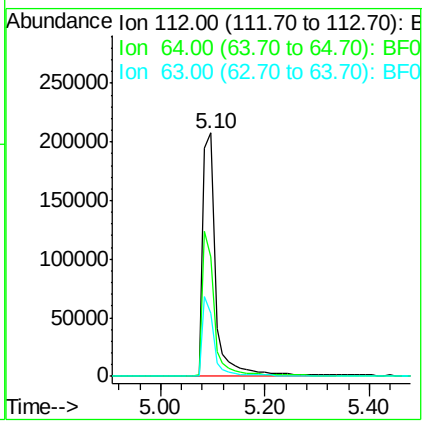


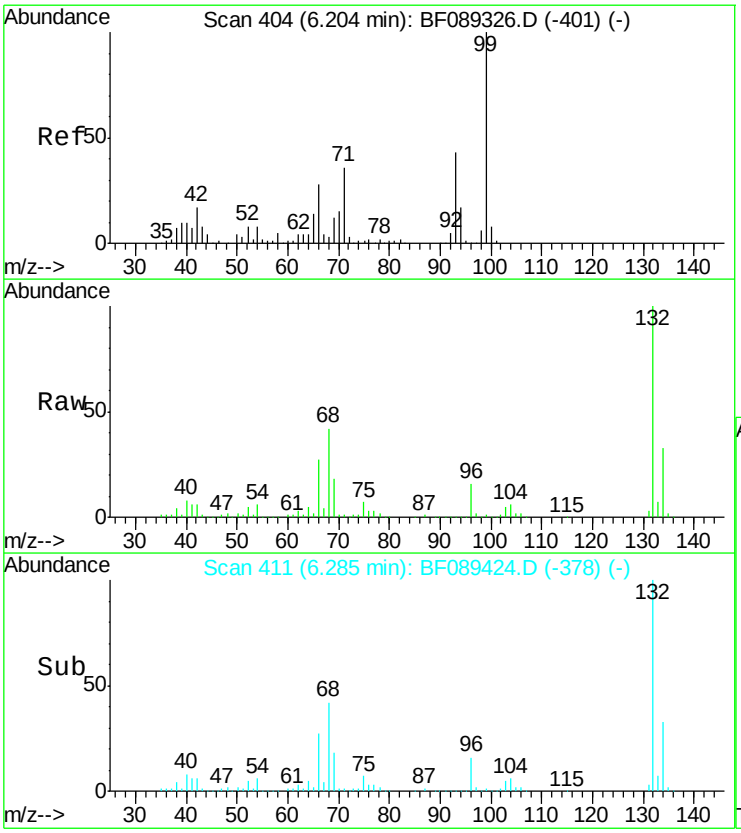
#5
2-Fluorophenol
Concen: 128.61 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:112 Resp: 362903

Ion	Ratio	Lower	Upper
112	100		
64	48.8	55.0	82.6#
63	25.7	29.4	44.2#

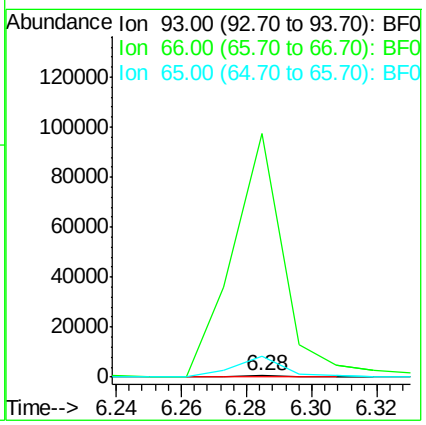


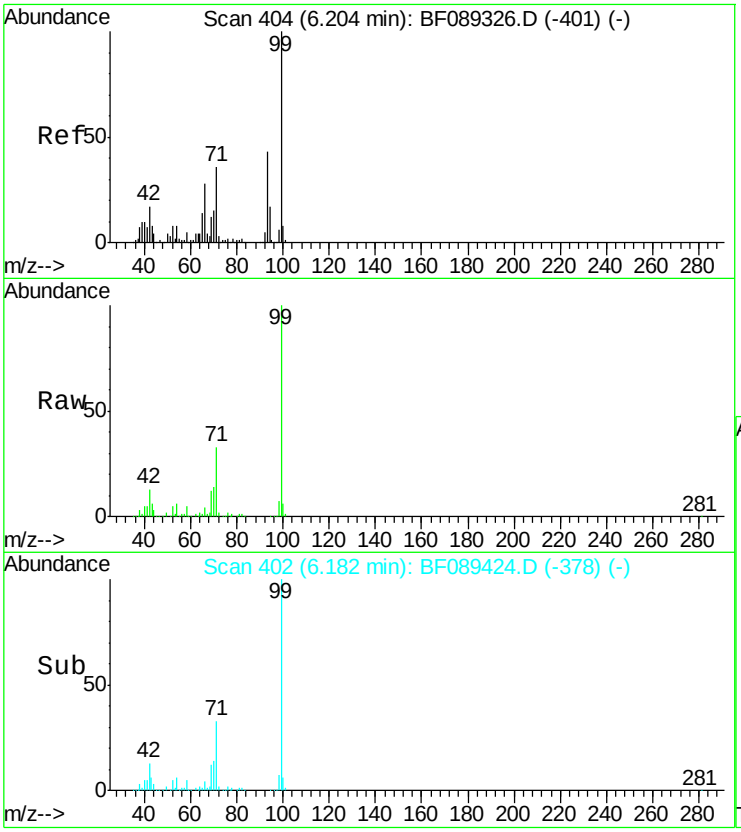


#6
Aniline
Concen: 0.10 ng
RT: 6.28 min Scan# 411
Delta R.T. 0.08 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 93 Resp: 387

Ion	Ratio	Lower	Upper
93	100		
66	17243.2	51.6	77.4#
65	1468.5	24.7	37.1#



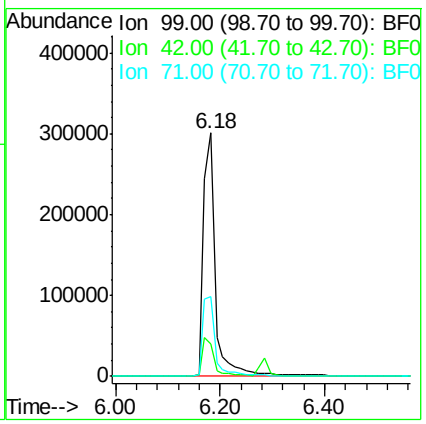


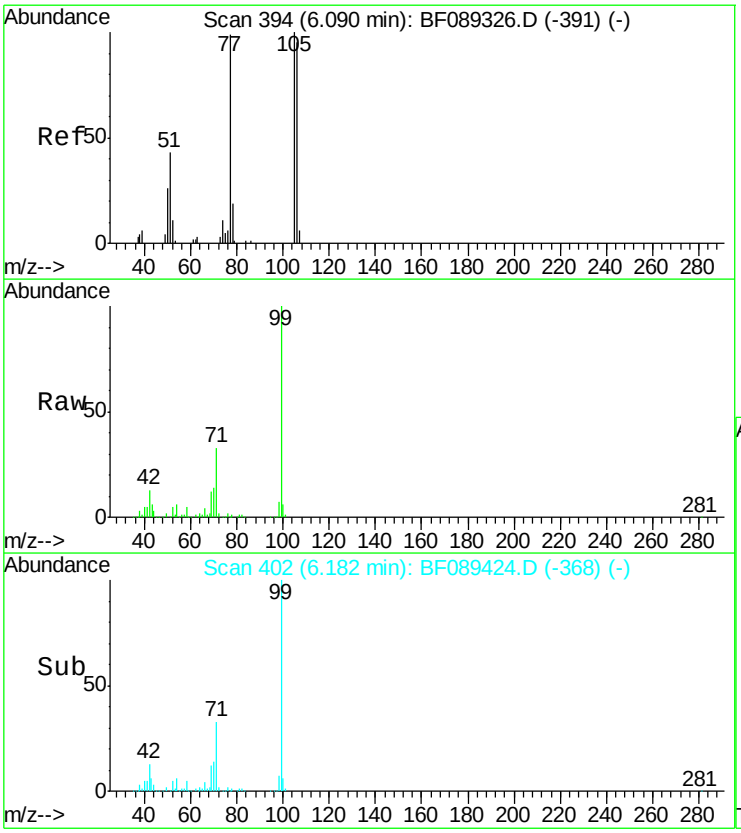
#7
Phenol-d6
Concen: 129.22 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion: 99 Resp: 481871

Ion	Ratio	Lower	Upper
99	100		
42	13.4	13.6	20.4#
71	32.9	29.4	44.2

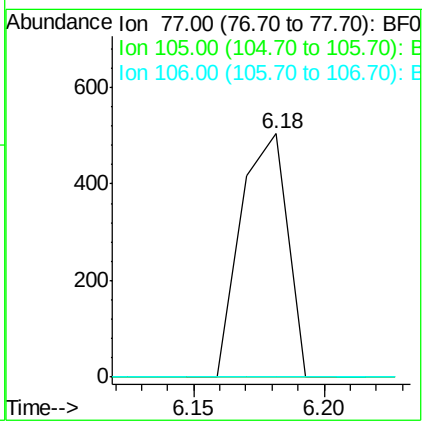


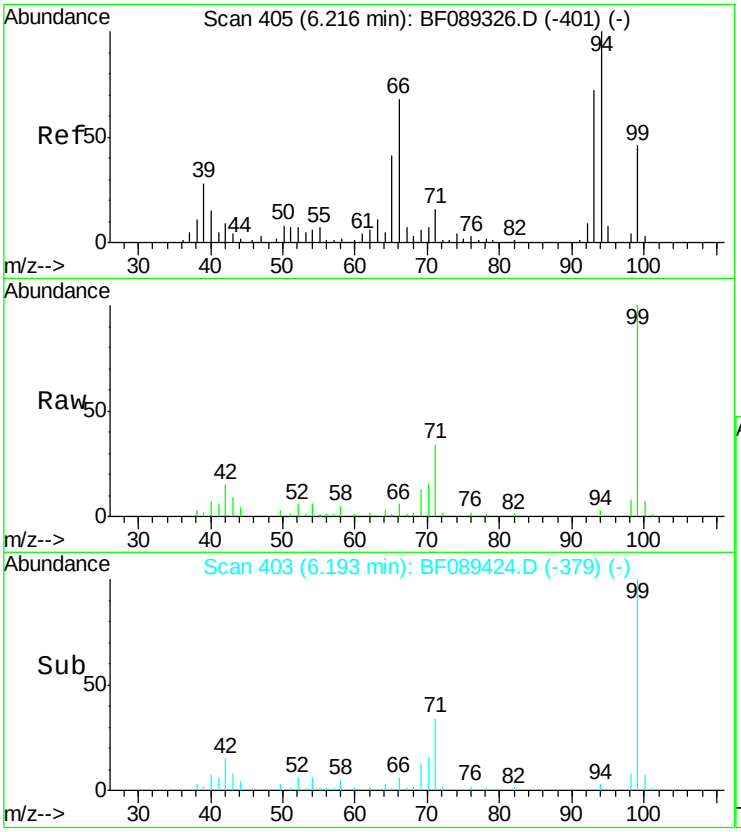


#9
Benzaldehyde
Concen: 0.35 ng
RT: 6.18 min Scan# 402
Delta R.T. 0.09 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 77 Resp: 632

Ion	Ratio	Lower	Upper
77	100		
105	0.0	82.9	122.9#
106	0.0	75.9	115.9#



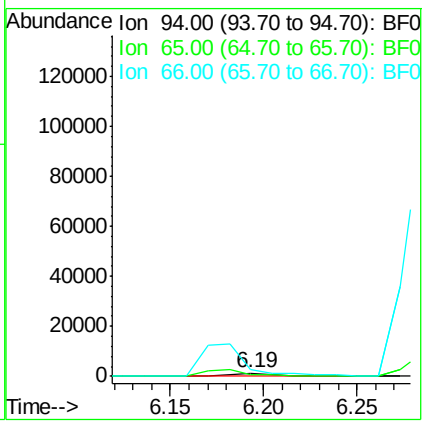


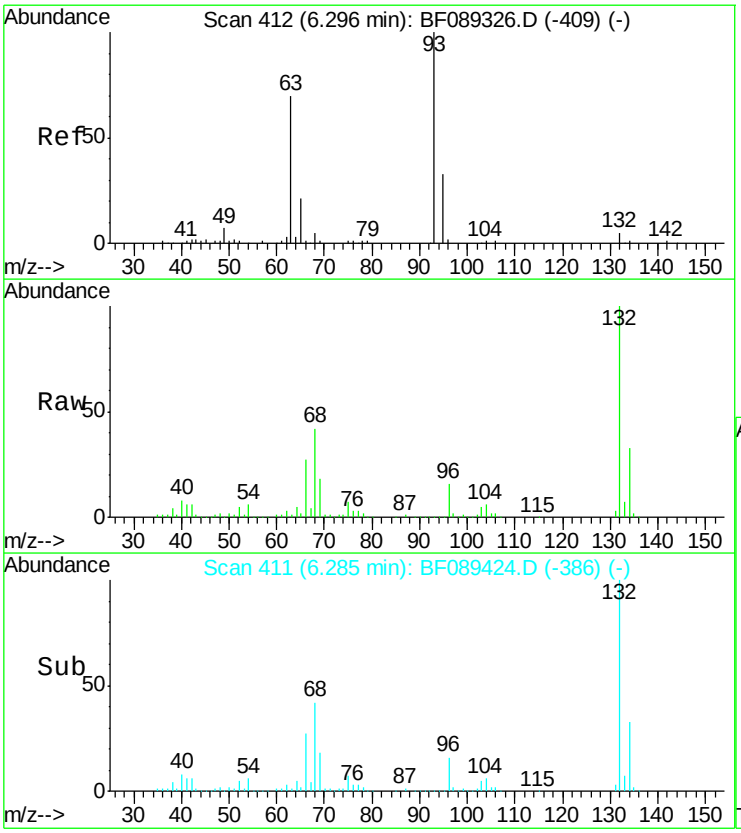
#10
Phenol
Concen: 0.49 ng
RT: 6.19 min Scan# 403
Delta R.T. -0.02 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion: 94 Resp: 2002

Ion	Ratio	Lower	Upper
94	100		
65	59.1	19.1	59.1#
66	220.8	44.4	84.4#

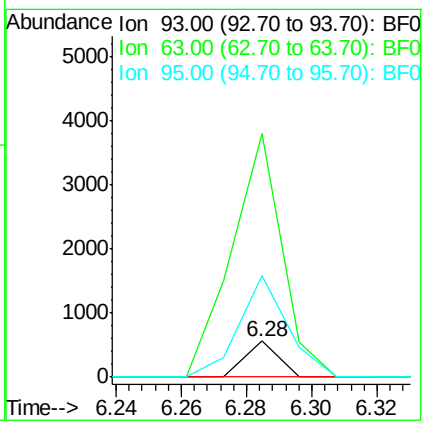


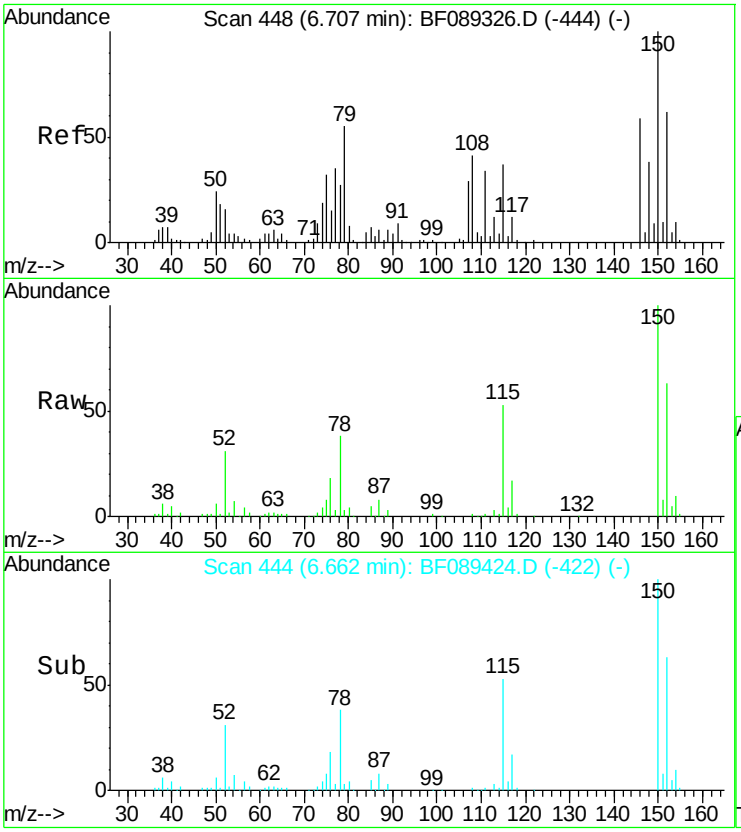


#11
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 93 Resp: 387

Ion	Ratio	Lower	Upper
93	100		
63	673.5	45.6	85.6#
95	280.7	11.1	51.1#



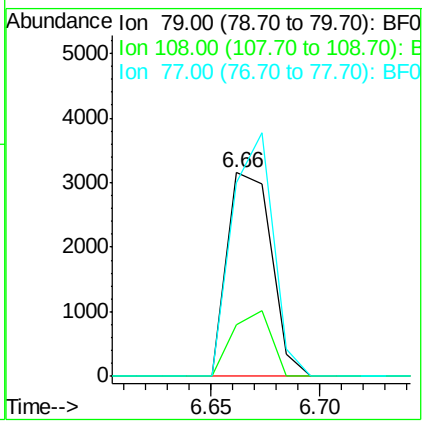


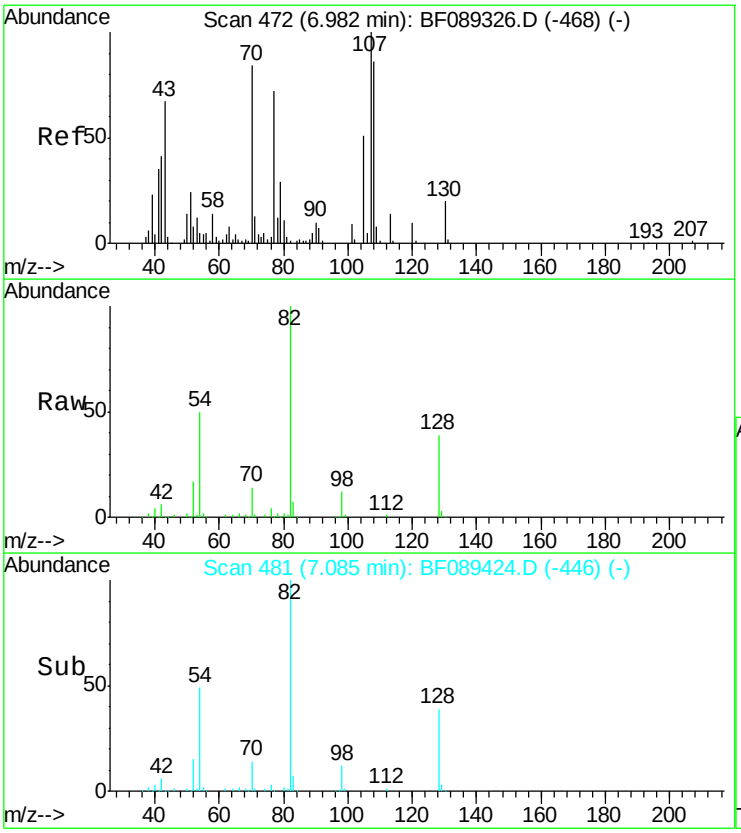
#15
Benzyl Alcohol
Concen: 1.92 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion: 79 Resp: 4444

Ion	Ratio	Lower	Upper
79	100		
108	25.1	59.8	89.6#
77	95.1	51.7	77.5#

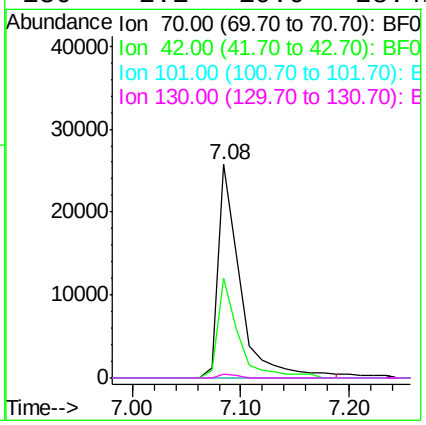


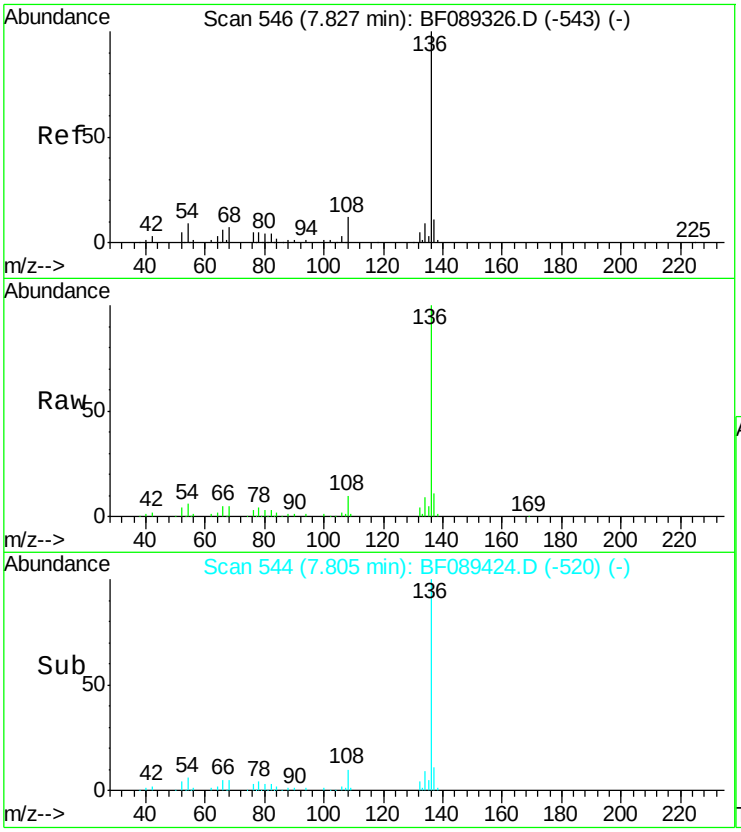


#19
n-Nitroso-di-n-propylamine
Concen: 16.08 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.10 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 70 Resp: 36168

Ion	Ratio	Lower	Upper
70	100		
42	46.5	38.6	57.8
101	0.0	8.3	12.5#
130	2.1	19.0	28.4#



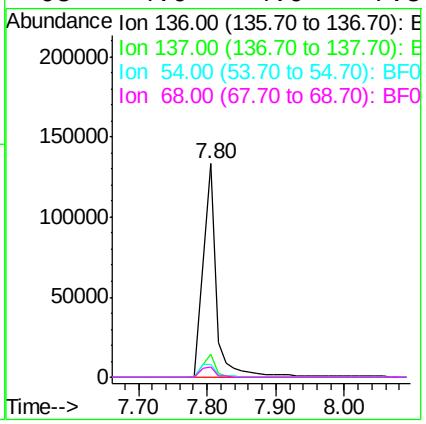


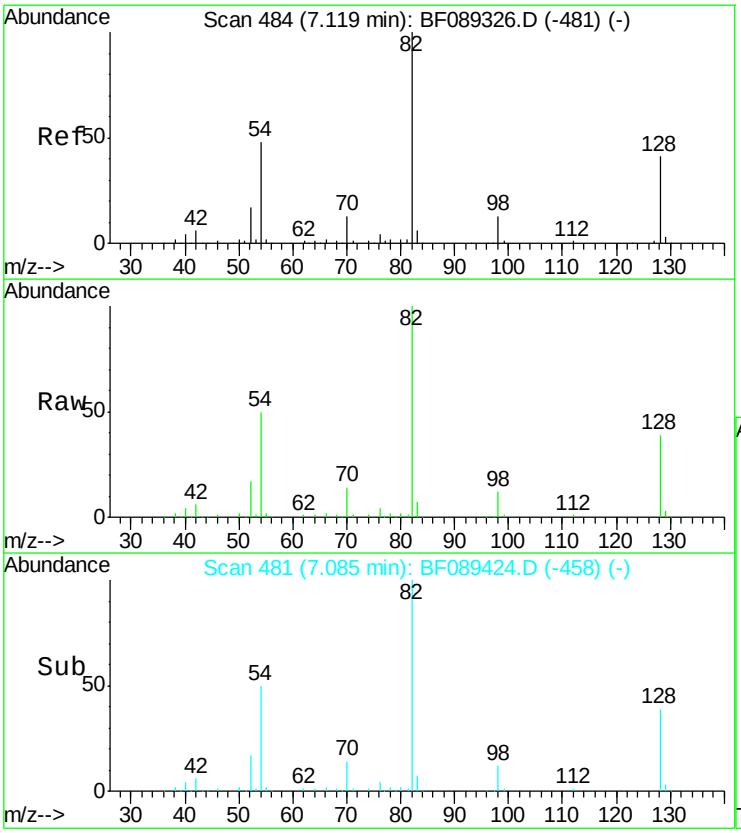
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:136 Resp: 179918

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.0	7.0	10.4#
68	4.9	4.9	7.3

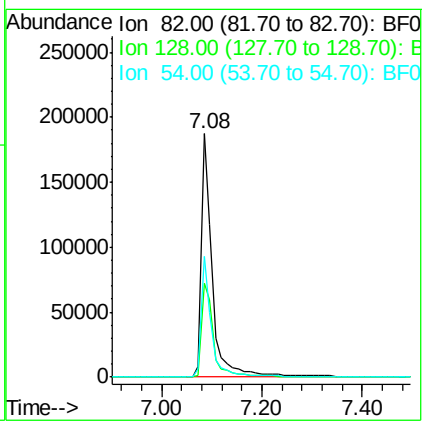


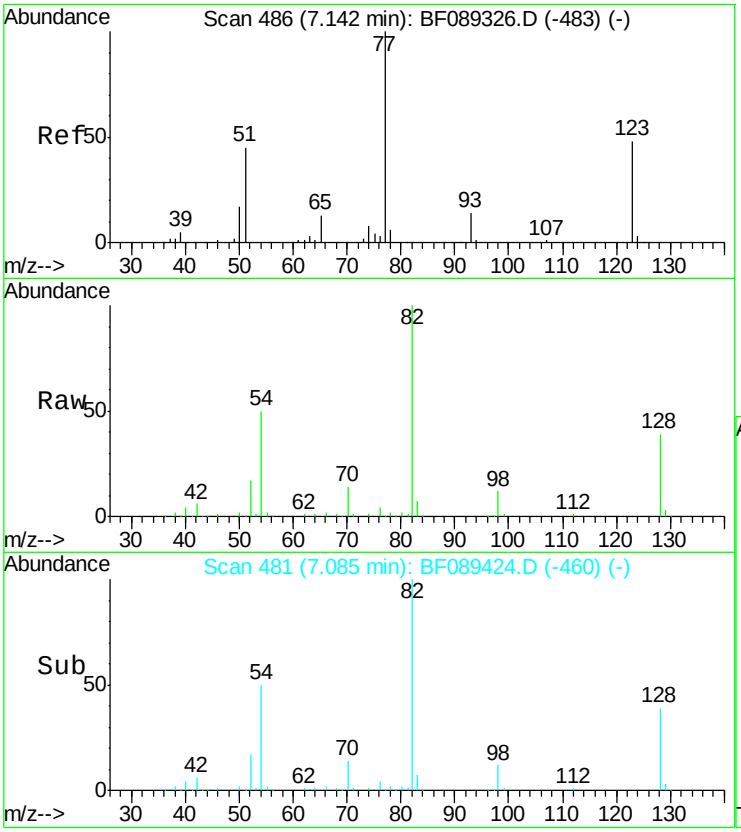


#23
Nitrobenzene-d5
Concen: 93.37 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 82 Resp: 284614

Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.5	48.7
54	49.7	38.8	58.2



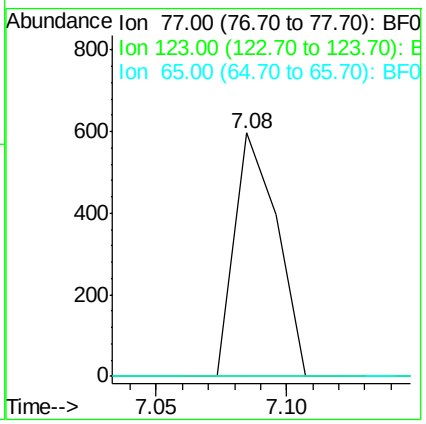


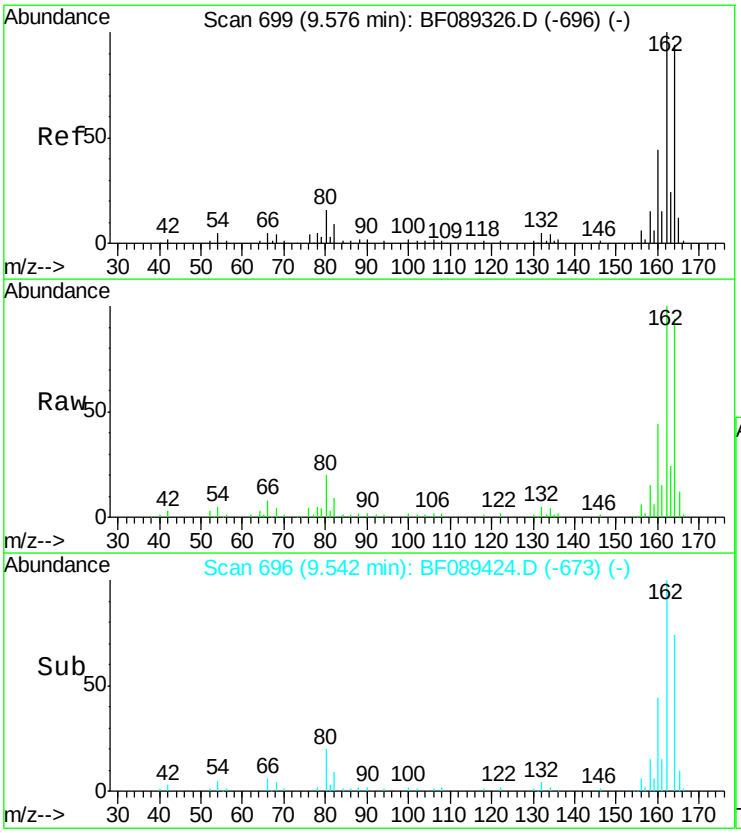
#24
Nitrobenzene
Concen: 0.20 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.06 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion: 77 Resp: 682

Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.2	55.8#
65	0.0	10.2	15.4#

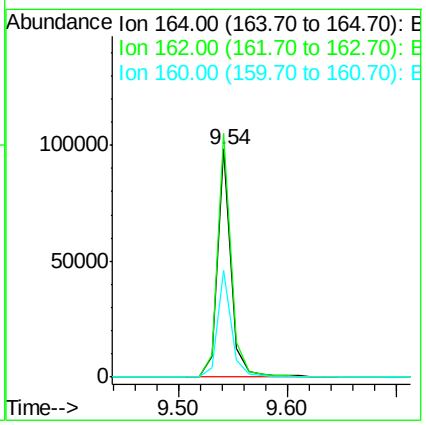


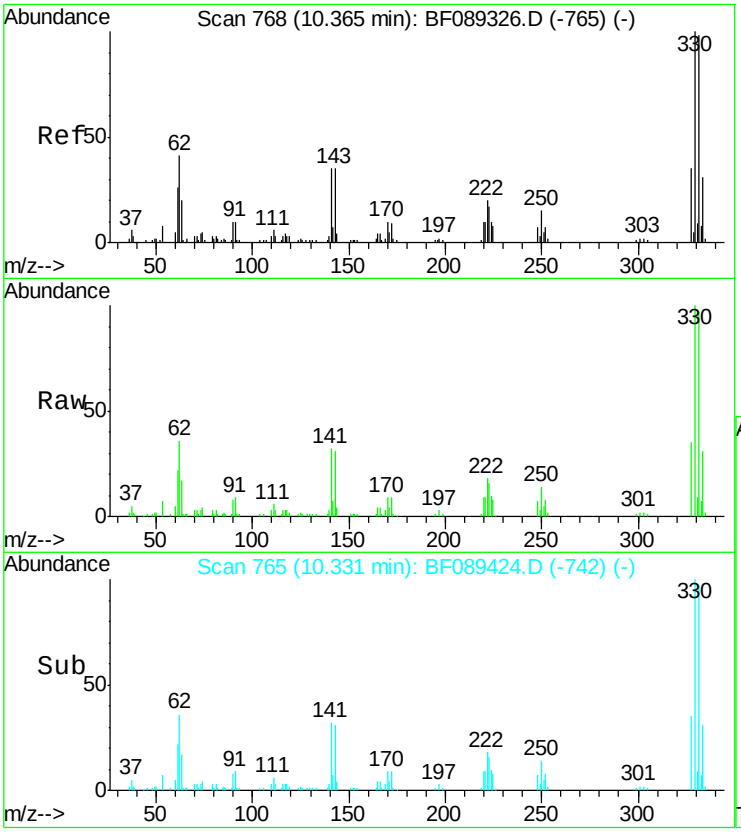


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:164 Resp: 86318

Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.7	125.5
160	46.7	37.8	56.6



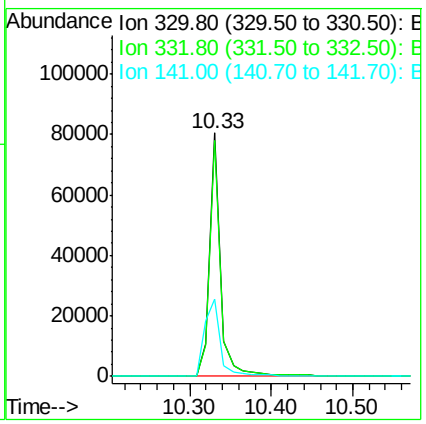


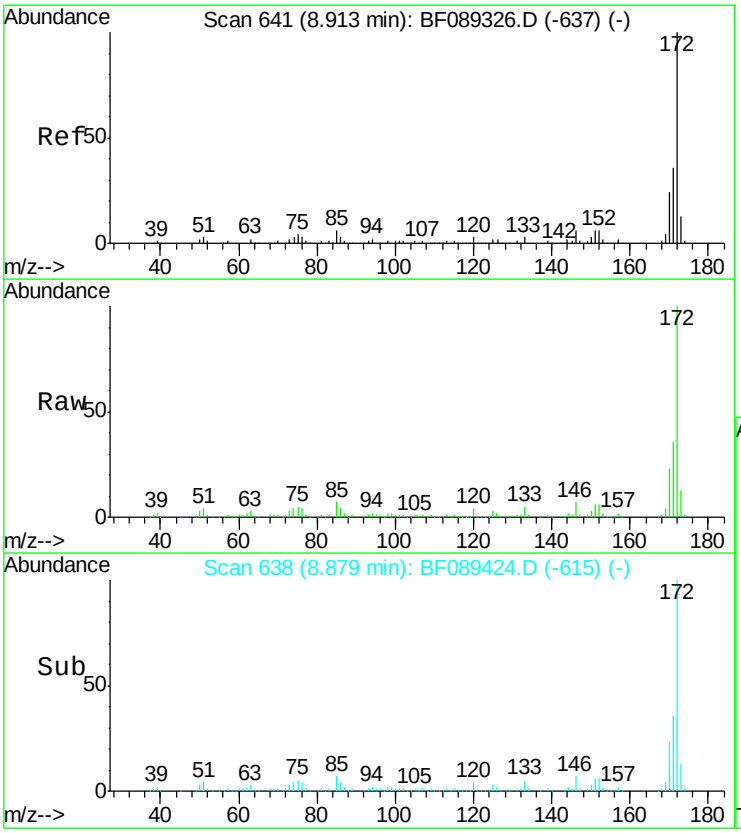
#41
2,4,6-Tribromophenol
Concen: 108.95 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:330 Resp: 77888

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.8	115.2
141	45.7	37.3	55.9

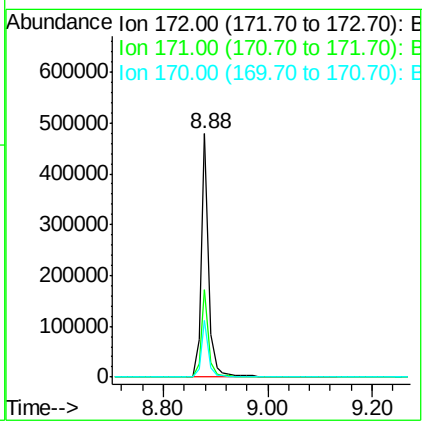


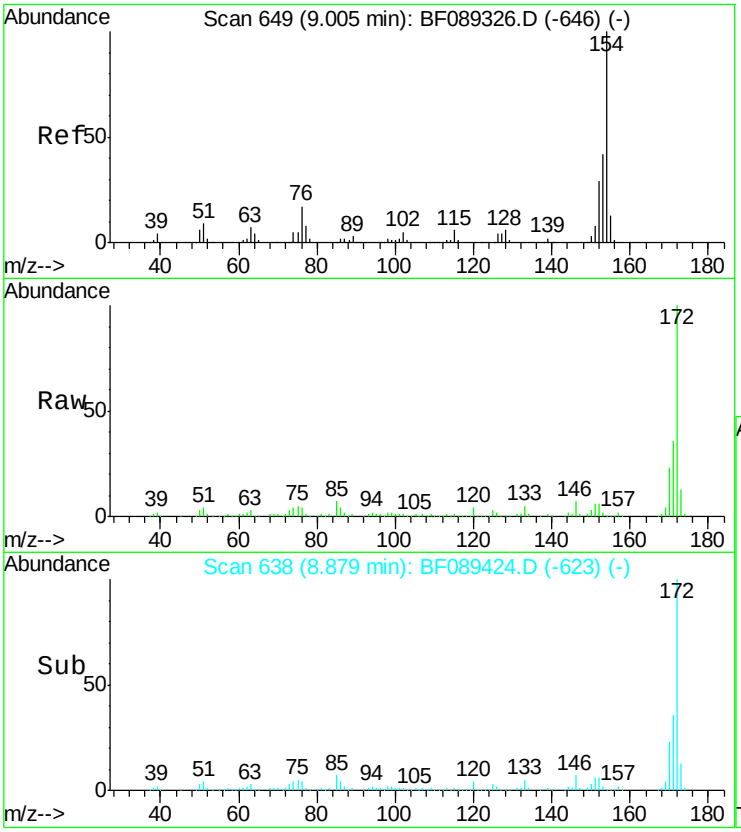


#44
2-Fluorobiphenyl
Concen: 81.69 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:172 Resp: 480482

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.3	19.2	28.8



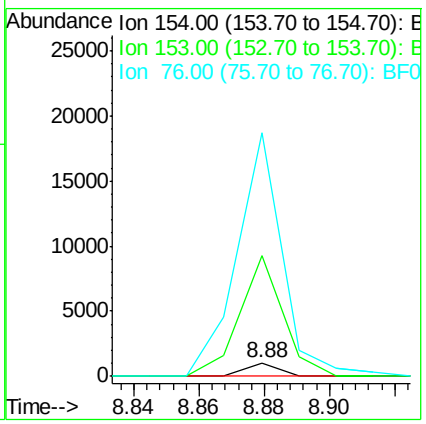


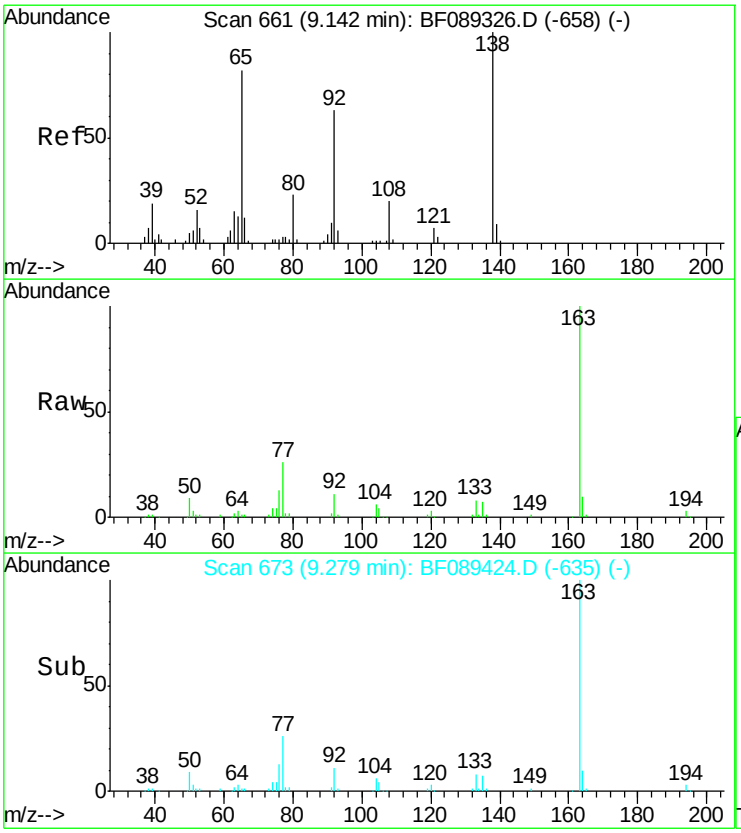
#45
1,1'-Biphenyl
Concen: 0.10 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.13 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:154 Resp: 726

Ion	Ratio	Lower	Upper
154	100		
153	875.5	21.0	61.0#
76	1766.2	0.0	36.6#

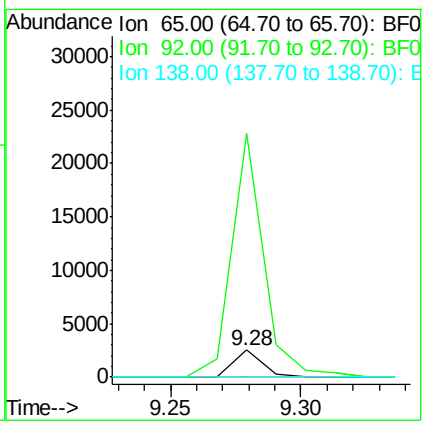


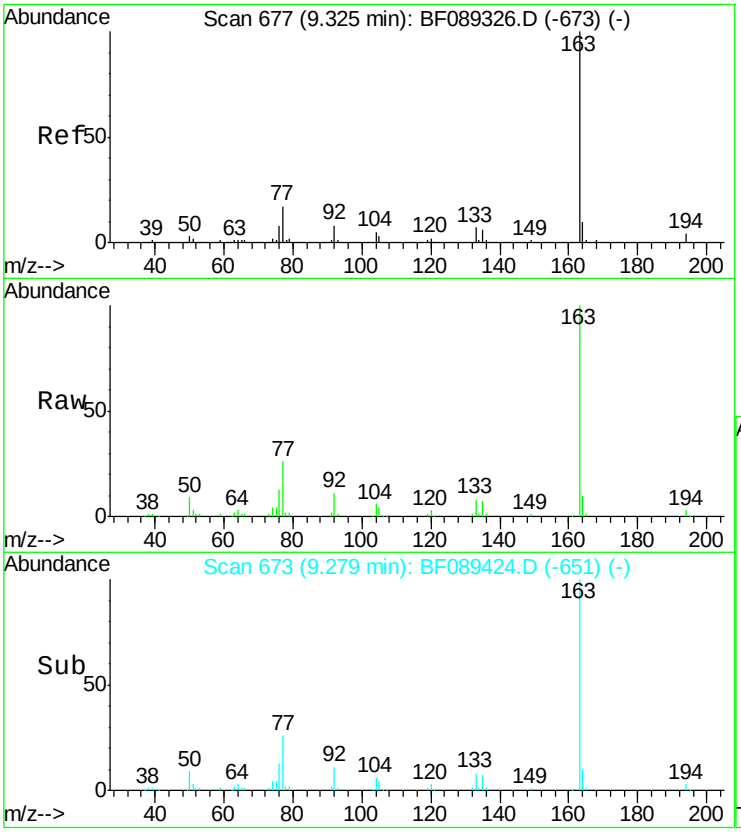


#47
2-Nitroaniline
Concen: 1.18 ng
RT: 9.28 min Scan# 673
Delta R.T. 0.14 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion: 65 Resp: 1922

Ion	Ratio	Lower	Upper
65	100		
92	912.0	61.0	91.4#
138	0.0	99.1	148.7#



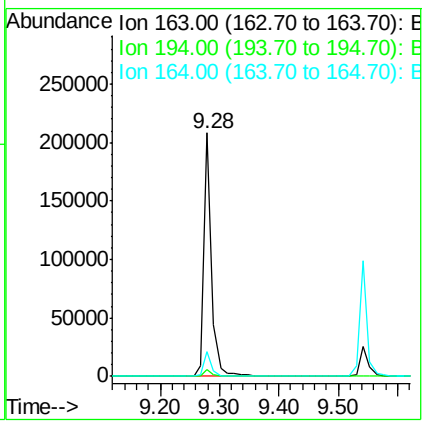


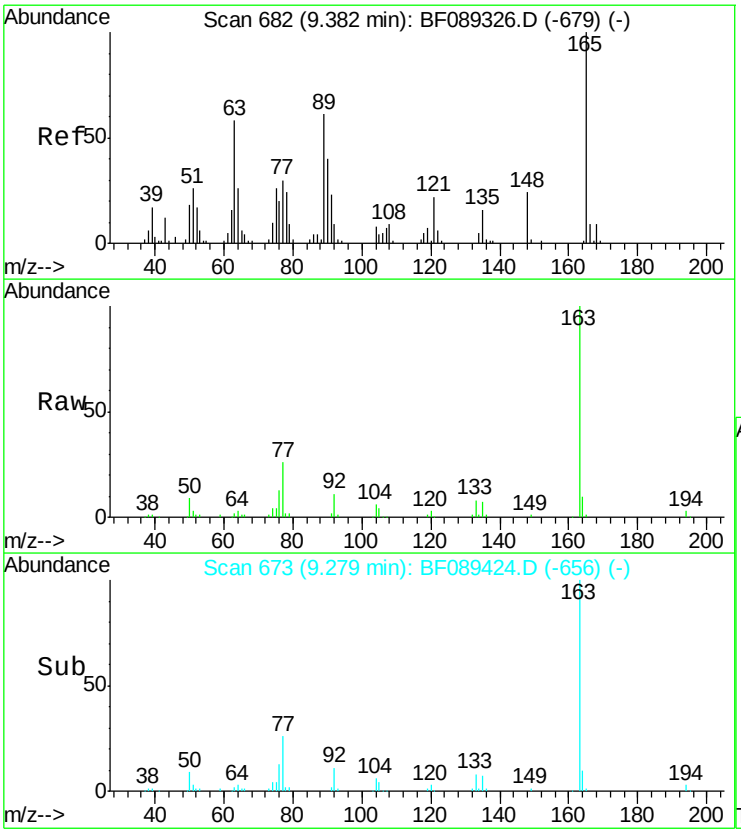
#49
Dimethylphthalate
Concen: 29.33 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:163 Resp: 192658

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.1	7.8	11.8

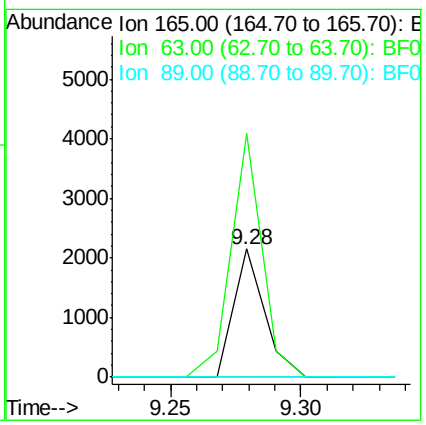


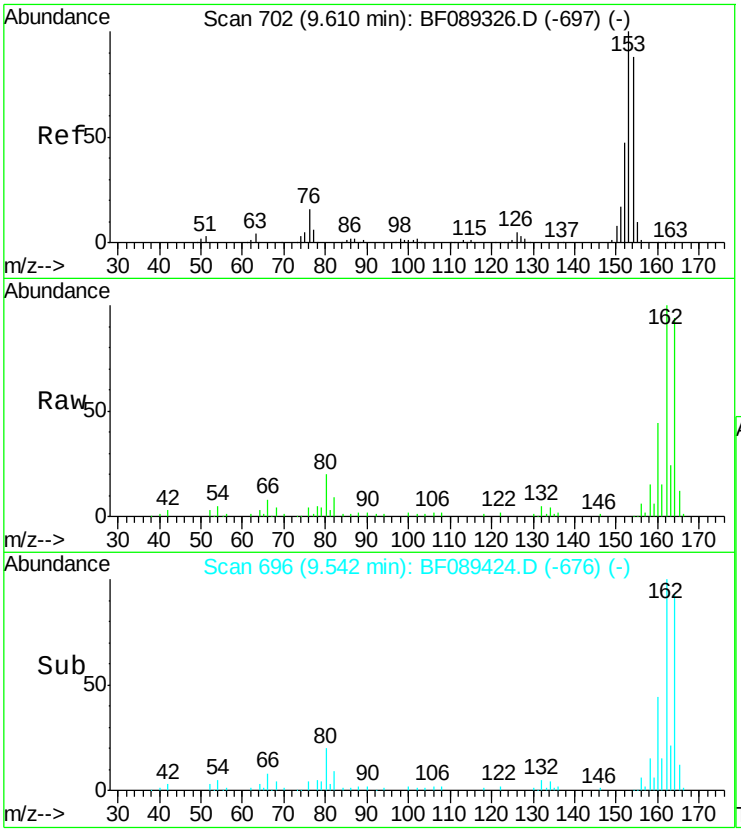


#50
2,6-Dinitrotoluene
Concen: 1.32 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.10 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:165 Resp: 1777

Ion	Ratio	Lower	Upper
165	100		
63	189.7	43.5	65.3#
89	0.0	45.0	67.4#



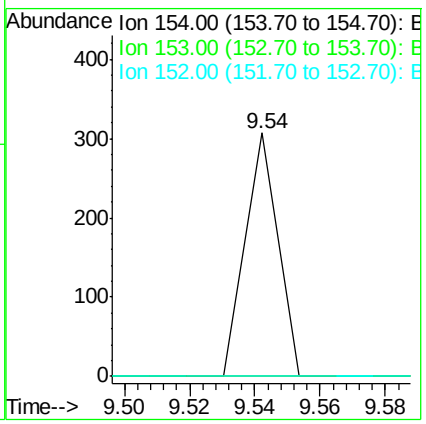


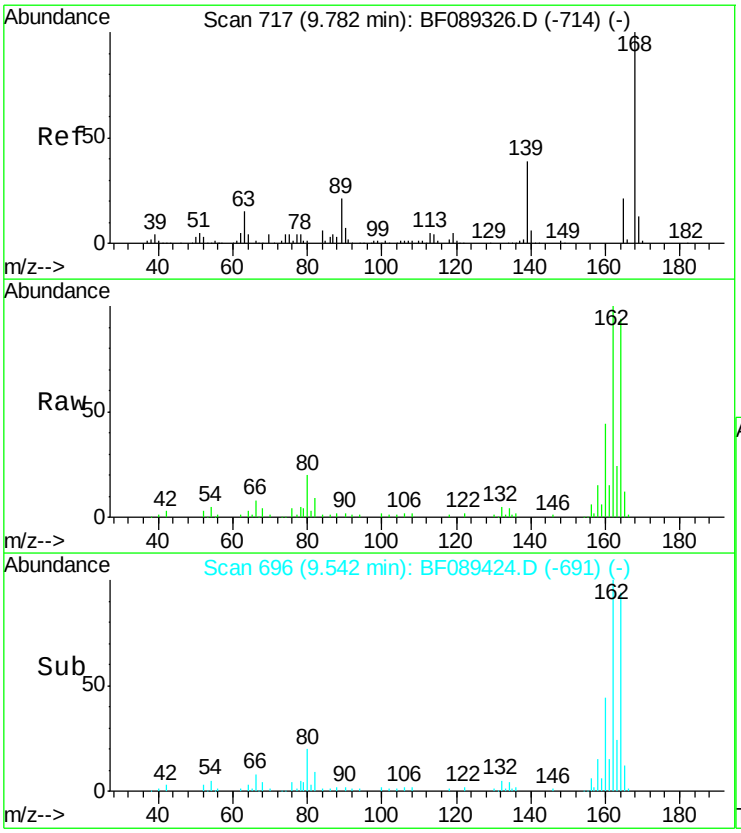
#51
Acenaphthene
Concen: 0.04 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.07 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:154 Resp: 211

Ion	Ratio	Lower	Upper
154	100		
153	0.0	91.4	137.2#
152	0.0	43.8	65.6#

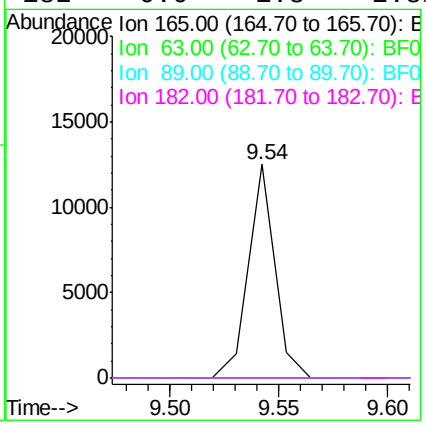


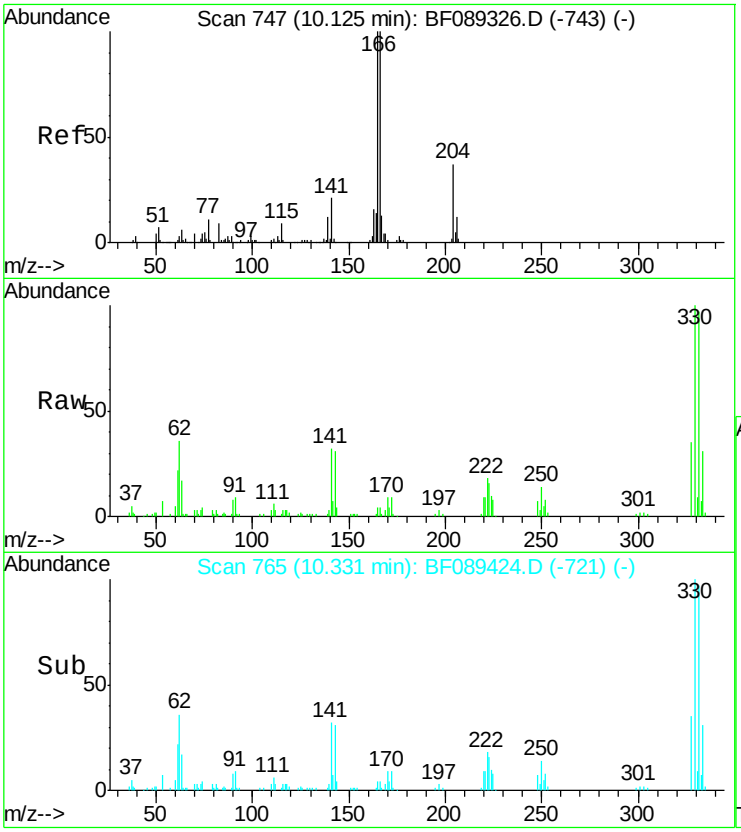


#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.24 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:165 Resp: 10545

Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#



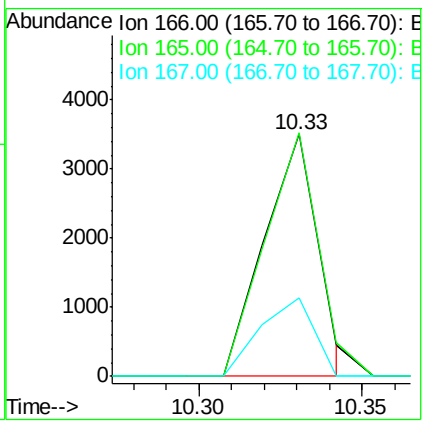


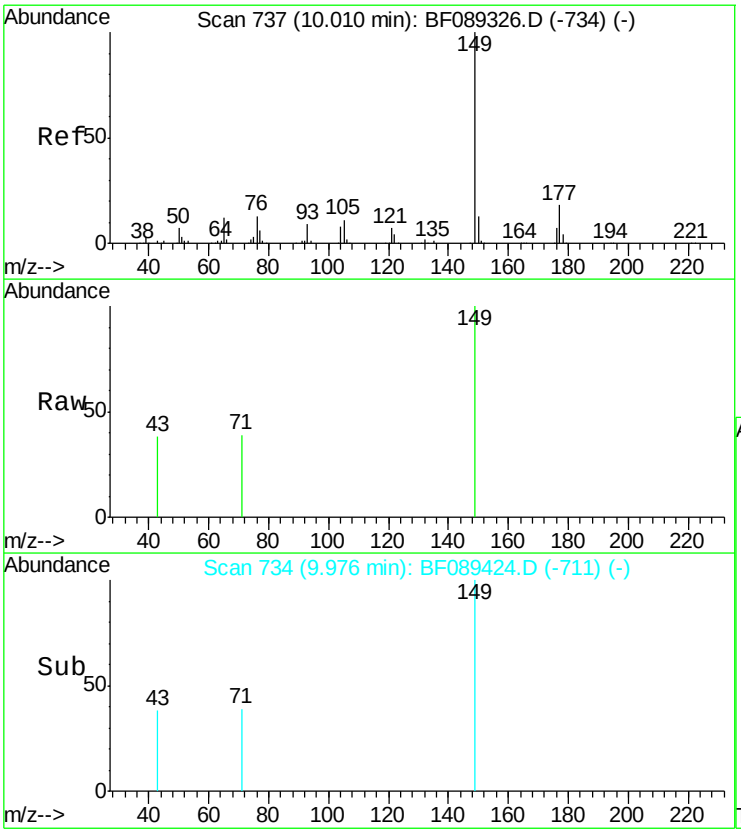
#57
Fluorene
Concen: 0.66 ng
RT: 10.33 min Scan# 765
Delta R.T. 0.21 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:166 Resp: 4014

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.0	118.4
167	32.4	10.2	15.2#

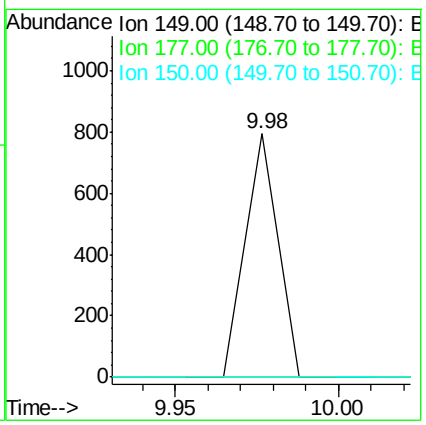


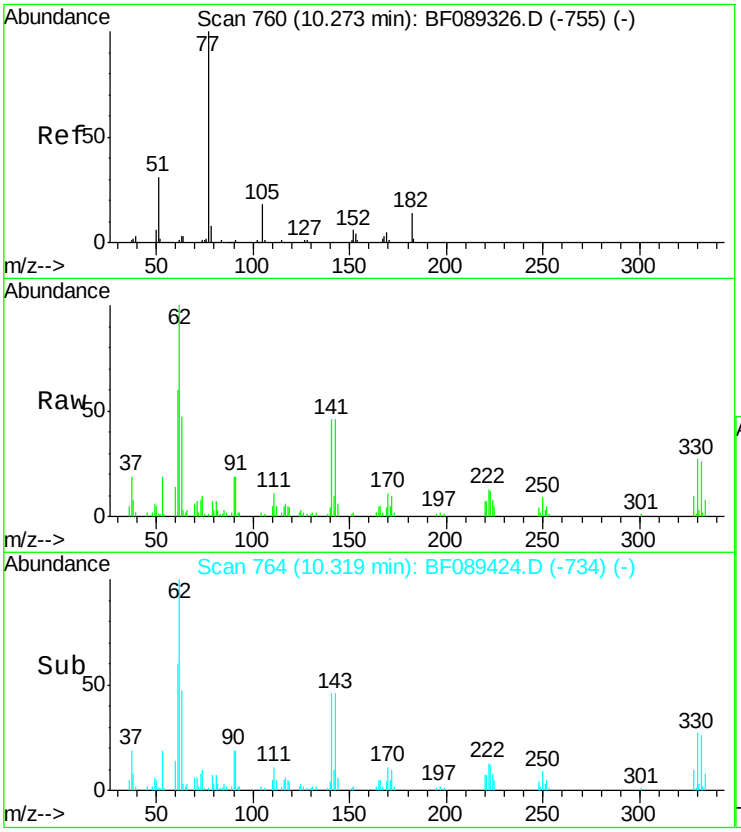


#59
Diethylphthalate
Concen: 0.08 ng
RT: 9.98 min Scan# 734
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:149 Resp: 545

Ion	Ratio	Lower	Upper
149	100		
177	0.0	15.1	22.7#
150	0.0	10.2	15.4#



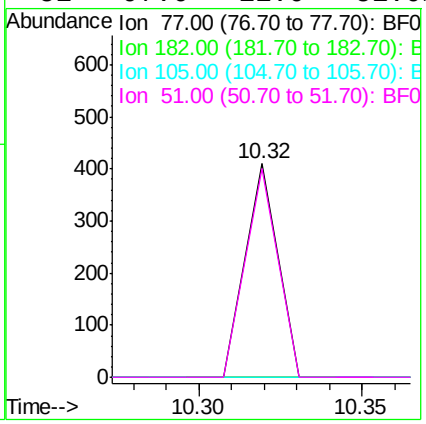


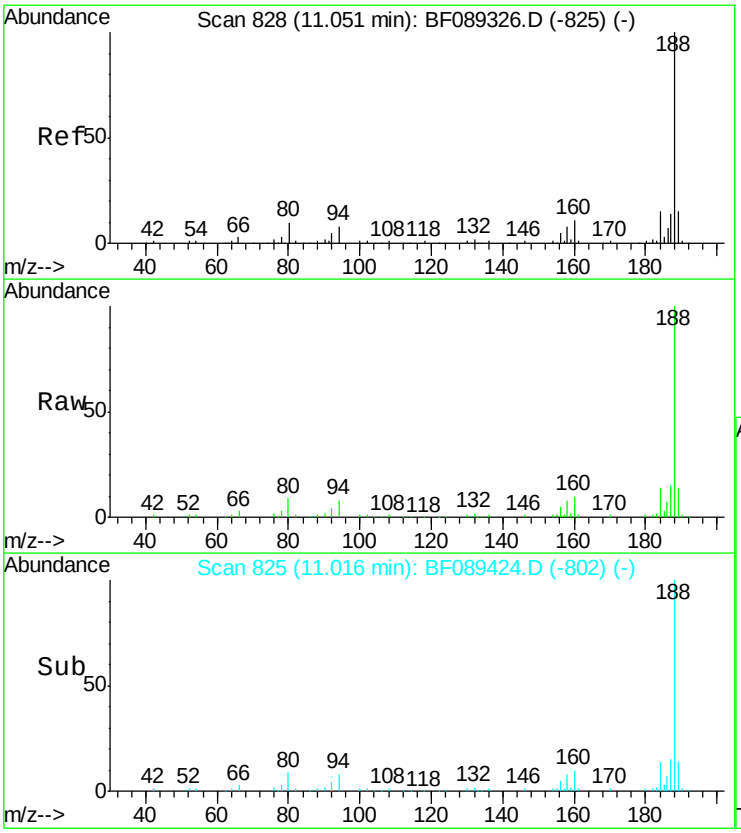
#62
Azobenzene
Concen: 0.04 ng
RT: 10.32 min Scan# 764
Delta R.T. 0.05 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion: 77 Resp: 281

Ion	Ratio	Lower	Upper
77	100		
182	0.0	0.0	33.8
105	0.0	0.0	39.8
51	97.6	11.0	51.0#

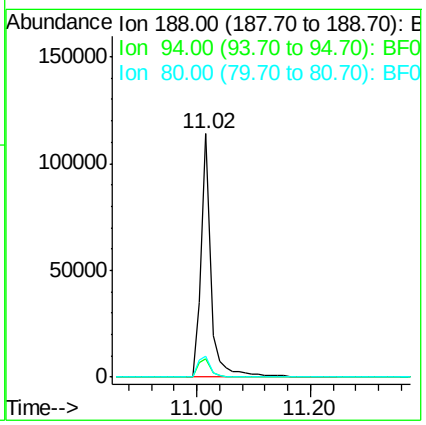


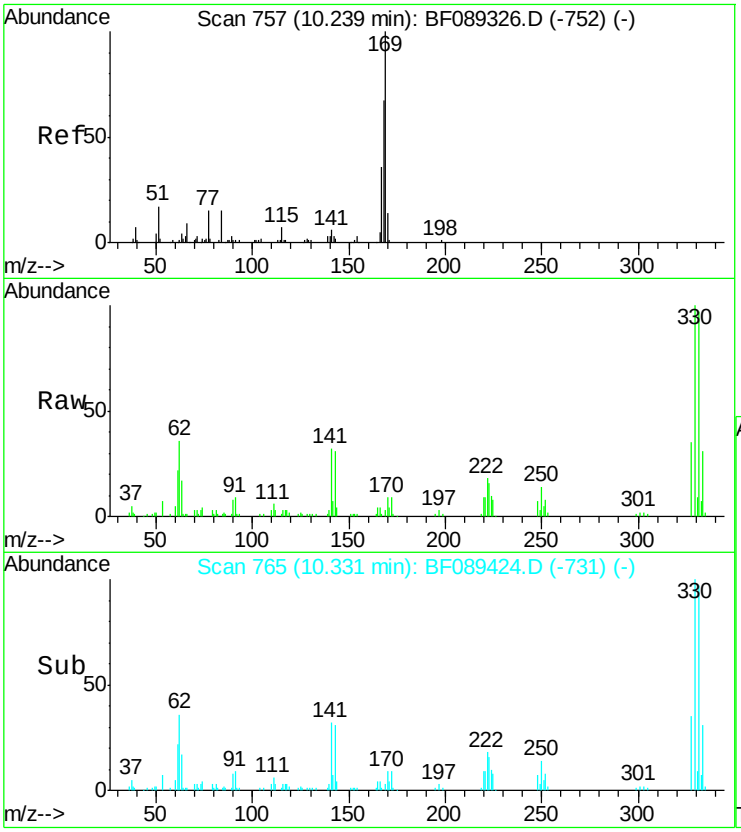


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:188 Resp: 133660

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.5	9.7
80	8.5	7.2	10.8



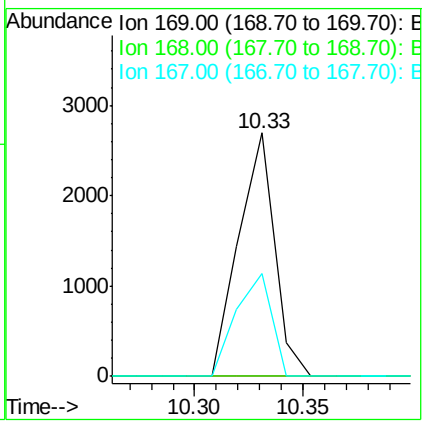


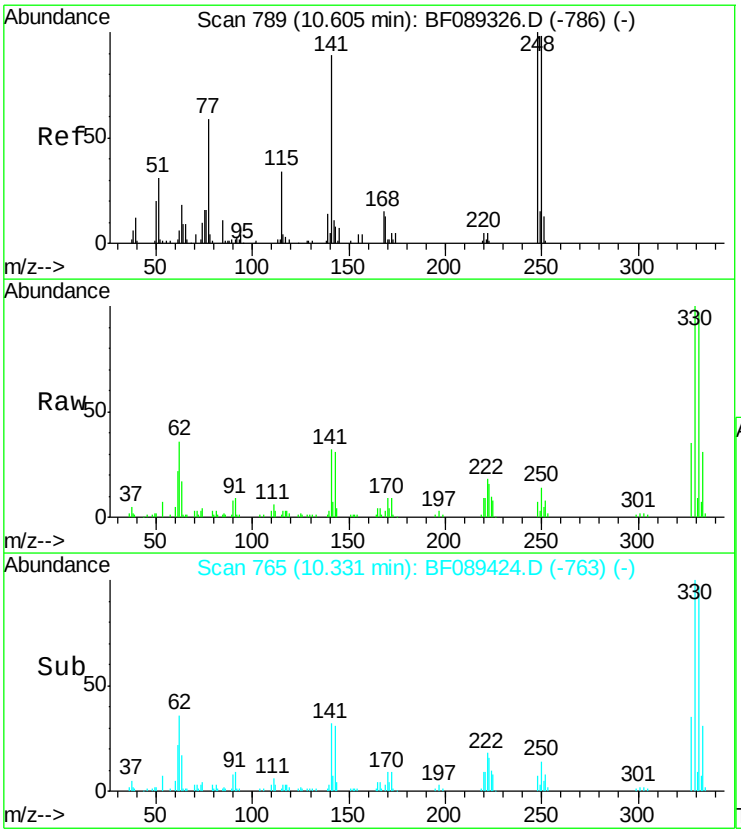
#65
n-Nitrosodiphenylamine
Concen: 0.74 ng
RT: 10.33 min Scan# 765
Delta R.T. 0.09 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:169 Resp: 3087

Ion	Ratio	Lower	Upper
169	100		
168	0.0	55.4	83.0#
167	42.0	29.7	44.5

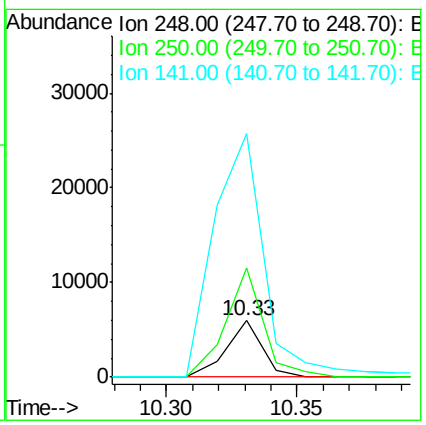


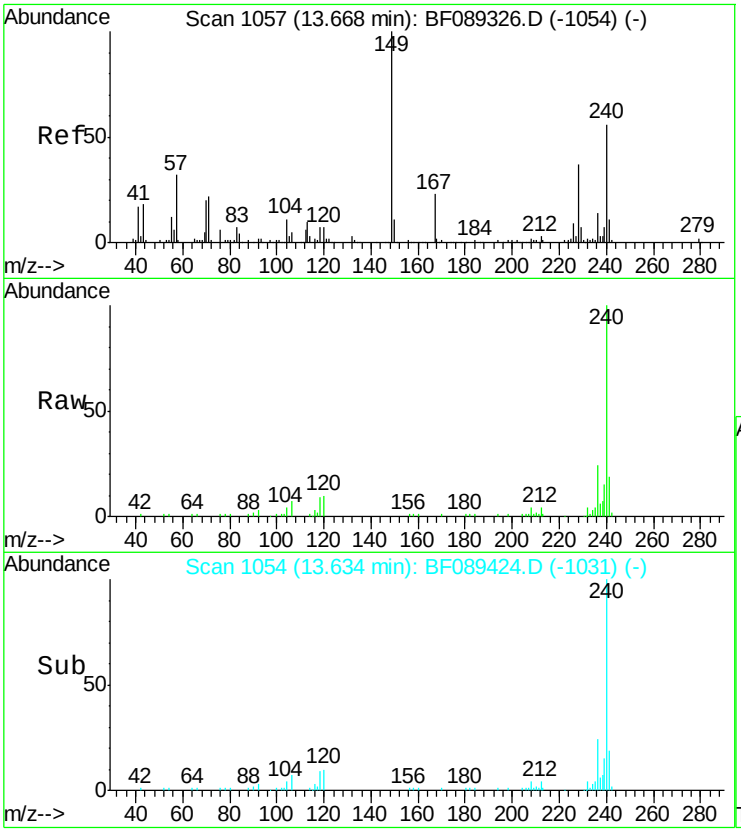


#66
4-Bromophenyl-phenylether
Concen: 4.50 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.27 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:248 Resp: 5740

Ion	Ratio	Lower	Upper
248	100		
250	193.3	78.2	117.2#
141	433.4	62.0	93.0#



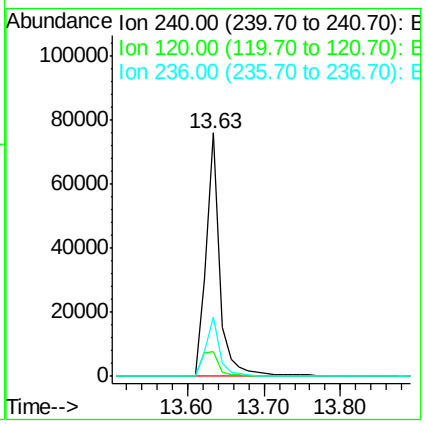


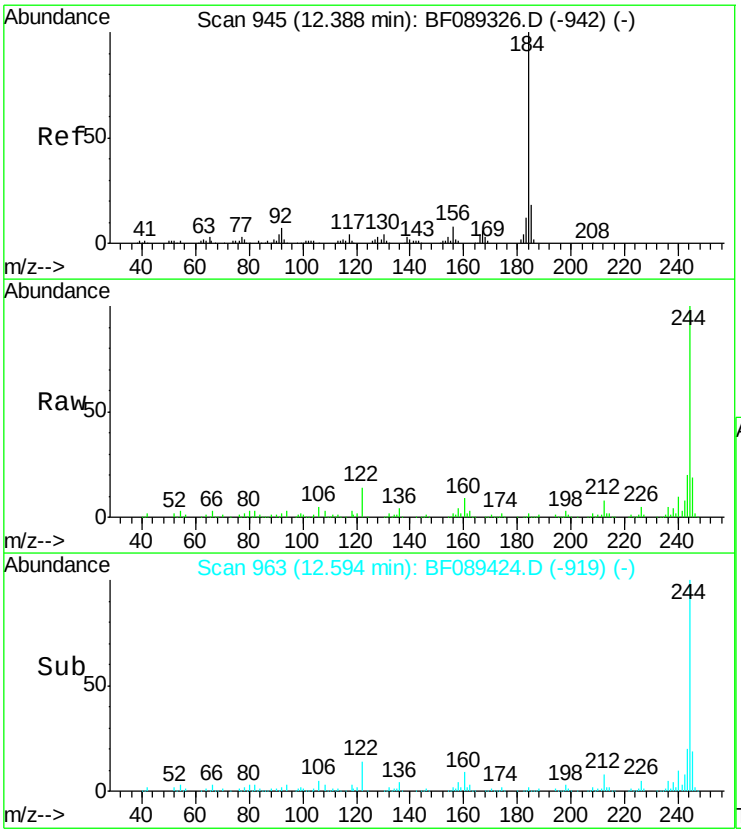
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:240 Resp: 93832

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.1	13.7
236	24.4	20.6	30.8

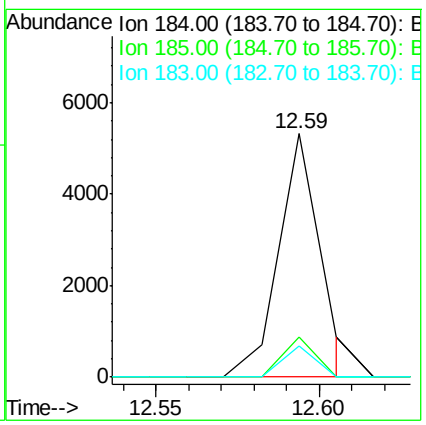


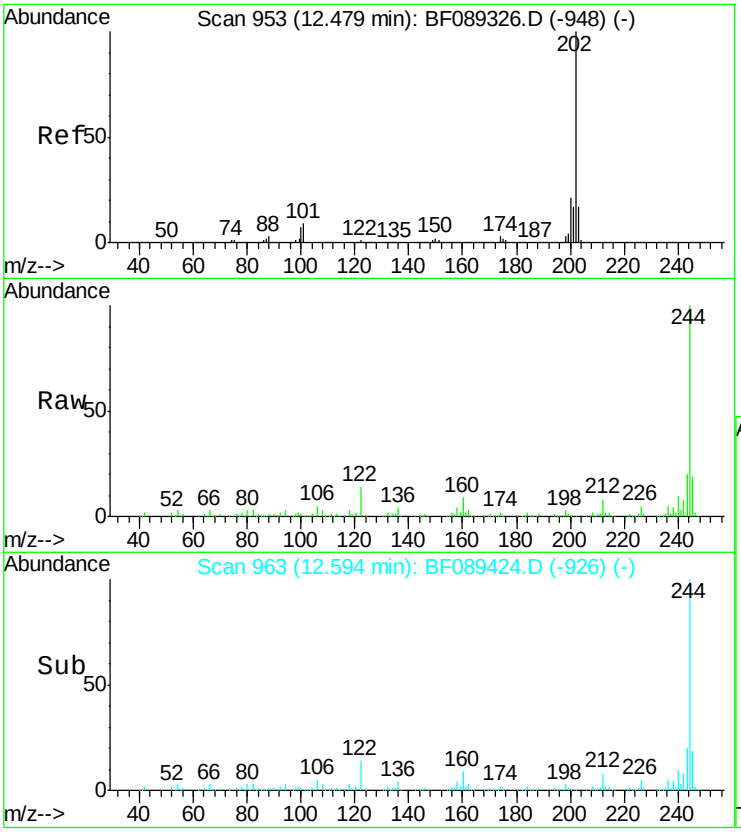


#76
Benzidine
Concen: 1.37 ng
RT: 12.59 min Scan# 963
Delta R.T. 0.21 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:184 Resp: 4750

Ion	Ratio	Lower	Upper
184	100		
185	16.5	13.5	20.3
183	12.7	9.8	14.6



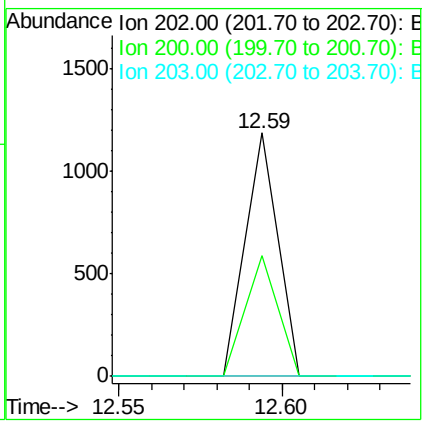


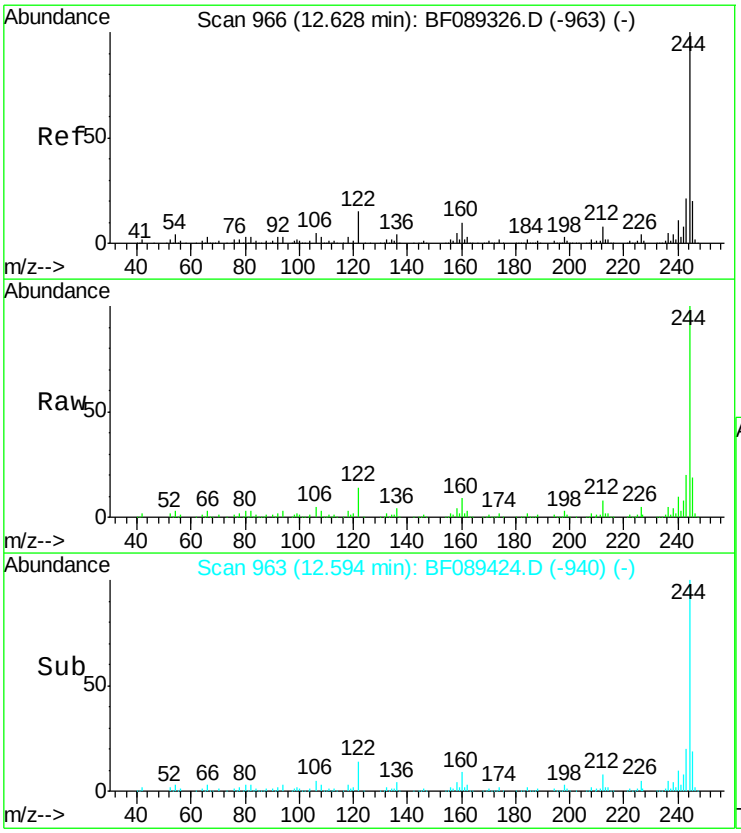
#77
Pyrene
Concen: 0.11 ng
RT: 12.59 min Scan# 963
Delta R.T. 0.13 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:202 Resp: 815

Ion	Ratio	Lower	Upper
202	100		
200	49.3	16.9	25.3#
203	0.0	14.0	21.0#

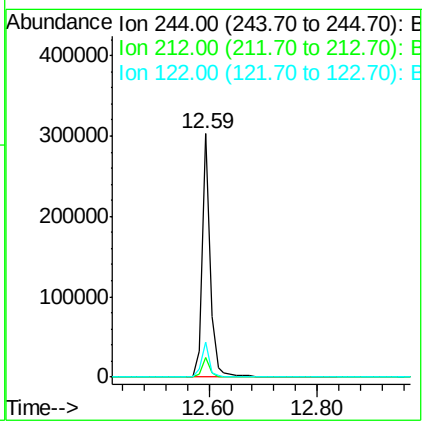


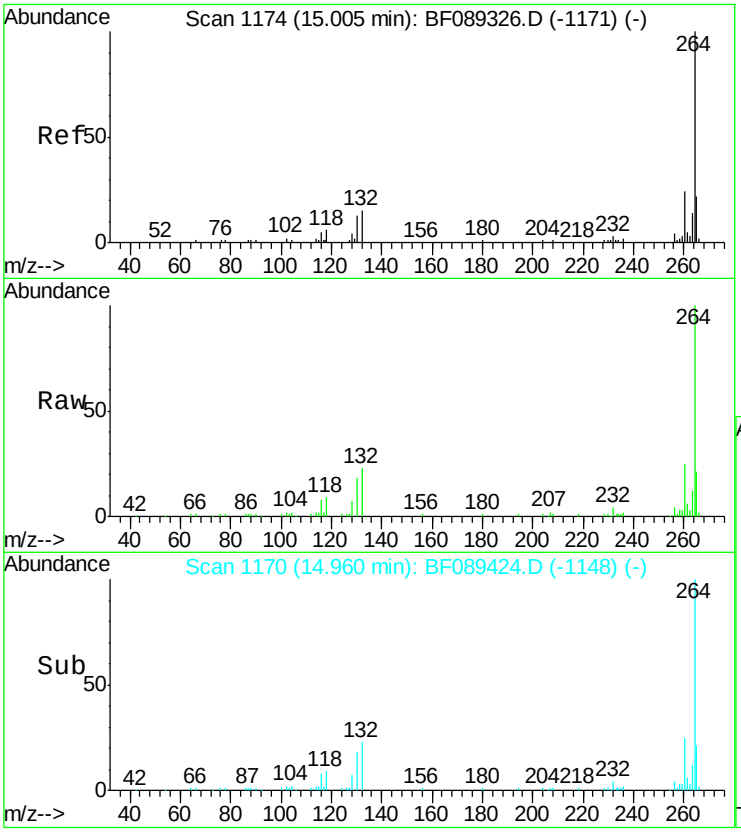


#78
Terphenyl-d14
Concen: 76.10 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.03 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Tgt Ion:244 Resp: 305085

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	14.5	11.4	17.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF089424.D
Acq: 29 Jul 2016 22:39

Instrument :
BNA_F
ClientSampleId :
SB-48-14.0-15.0

Tgt Ion:264 Resp: 94419

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	21.4	17.5	26.3