Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042716\
Data File : BF086432.D
Acq On : 27 Apr 2016 19:06
Operator : UM/SJ
Sample : H2660-02 25X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DPA2-PRE-B10

Quant Time: Apr 28 00:56:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102532	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	478685	20.00	ng		-0.01
38) Acenaphthene-d10	9.84	164	199896	20.00	ng		-0.01
63) Phenanthrene-d10	11.32	188	318846	20.00	ng		0.00
75) Chrysene-d12	13.95	240	242664	20.00	ng		-0.01
86) Perylene-d12	15.37	264	257150	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	3467	0.58	ng		0.00
7) Phenol-d6	6.43	99	7073	0.85	ng		-0.01
23) Nitrobenzene-d5	7.37	82	4520	0.51	ng		-0.01
41) 2,4,6-Tribromophenol	10.66	330	1173	0.56	ng		0.02
44) 2-Fluorobiphenyl	9.16	172	11526	-1.00	ng		-0.01
78) Terphenyl-d14	12.91	244	7068	0.64	ng		0.00
Target Compounds							Qvalue
6) Aniline	6.46	93	426607	42.49	ng	#	84
10) Phenol	6.46	94	26934	2.91	ng	#	1
11) bis(2-Chloroethyl)ether	6.46	93	435310	54.40	ng	#	24
24) Nitrobenzene	7.38	77	24773	2.71	ng		90
50) 2,6-Dinitrotoluene	9.84	165	24530	7.89	ng	#	20
56) 2,4-Dinitrotoluene	9.84	165	24531	6.19	ng	#	16
57) Fluorene	10.57	166	511218	36.93	ng	#	1
61) 4-Nitroaniline	10.57	138	20514	5.94	ng	#	1
62) Azobenzene	10.57	77	1069914	68.57	ng	#	1
65) n-Nitrosodiphenylamine	10.57	169	8542501	857.25	ng		97
70) Phenanthrene	11.44	178	228366	13.65	ng	#	1
71) Anthracene	11.44	178	228366	12.79	ng	#	1
72) Carbazole	11.57	167	2333173	147.42	ng		98
76) Benzidine	12.67	184	53687	6.44	ng	#	88

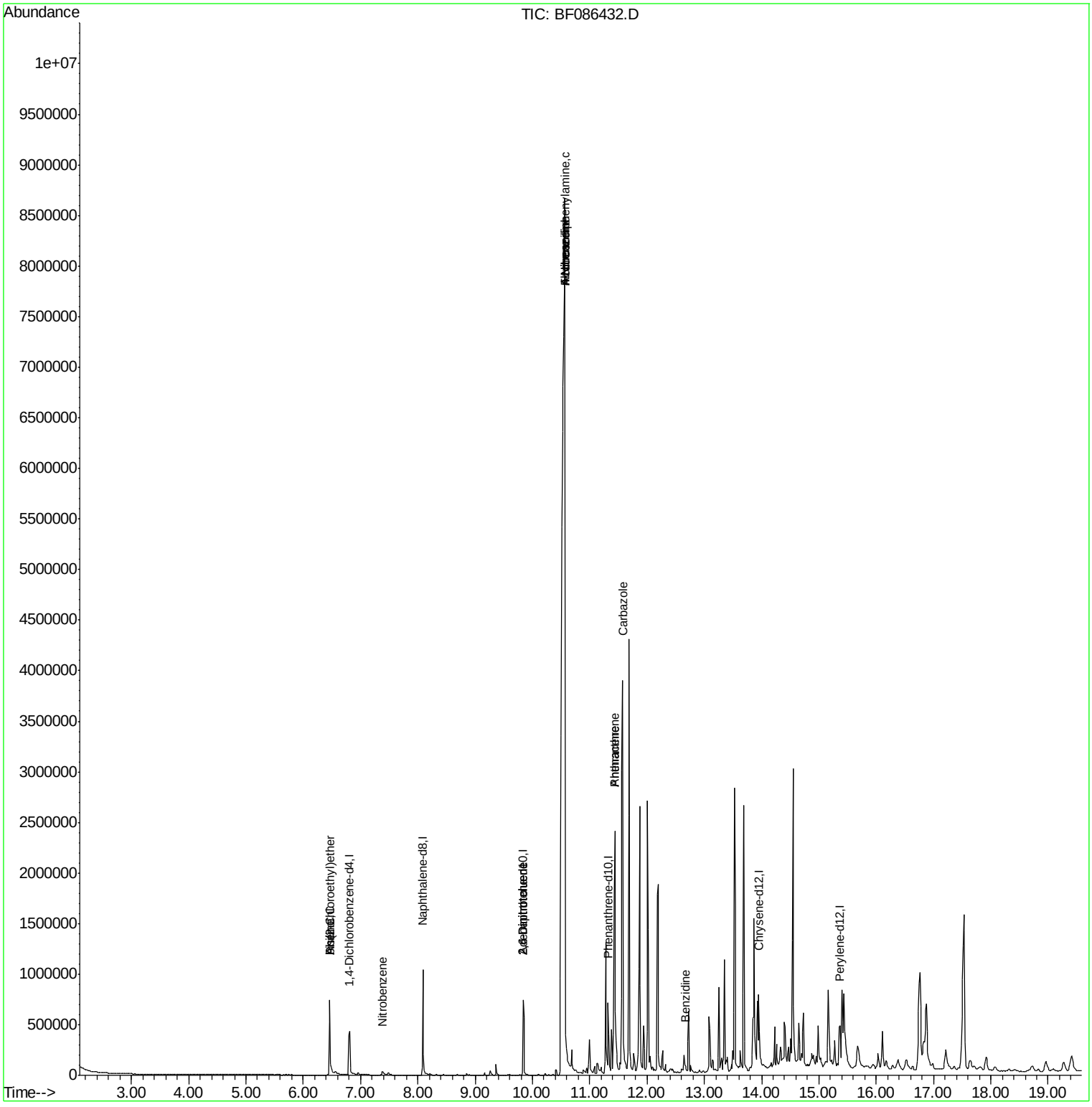
(#) = qualifier out of range (m) = manual integration (+) = signals summed

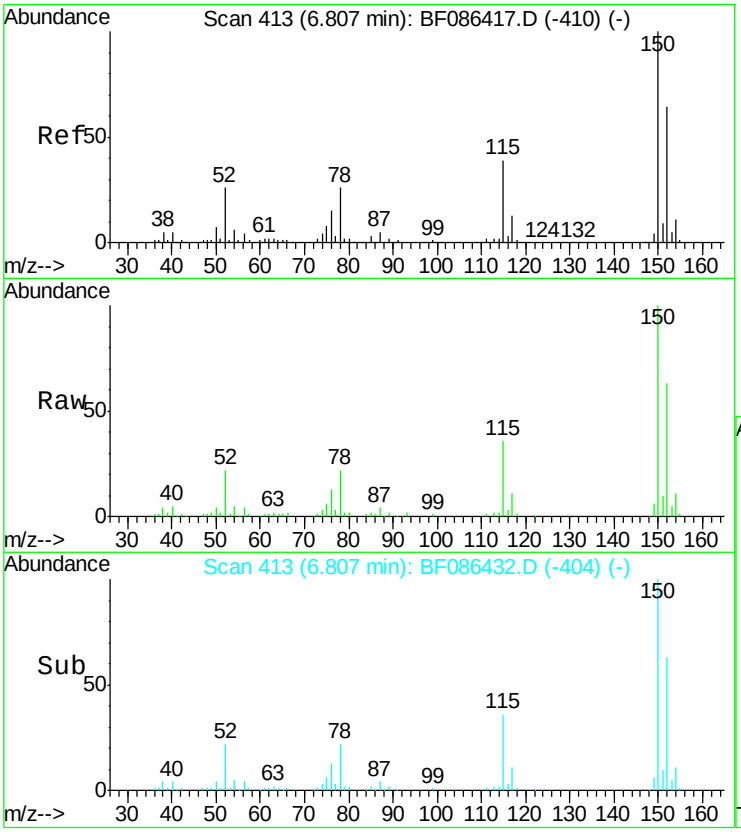
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042716\
Data File : BF086432.D
Acq On : 27 Apr 2016 19:06
Operator : UM/SJ
Sample : H2660-02 25X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Quant Time: Apr 28 00:56:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration



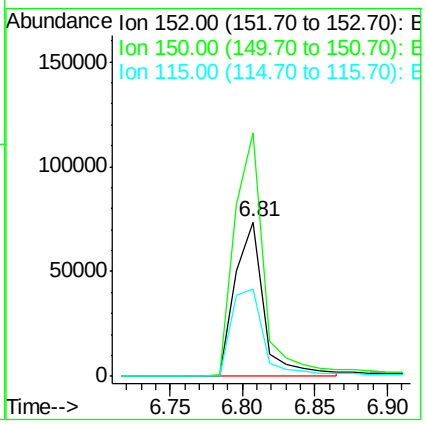


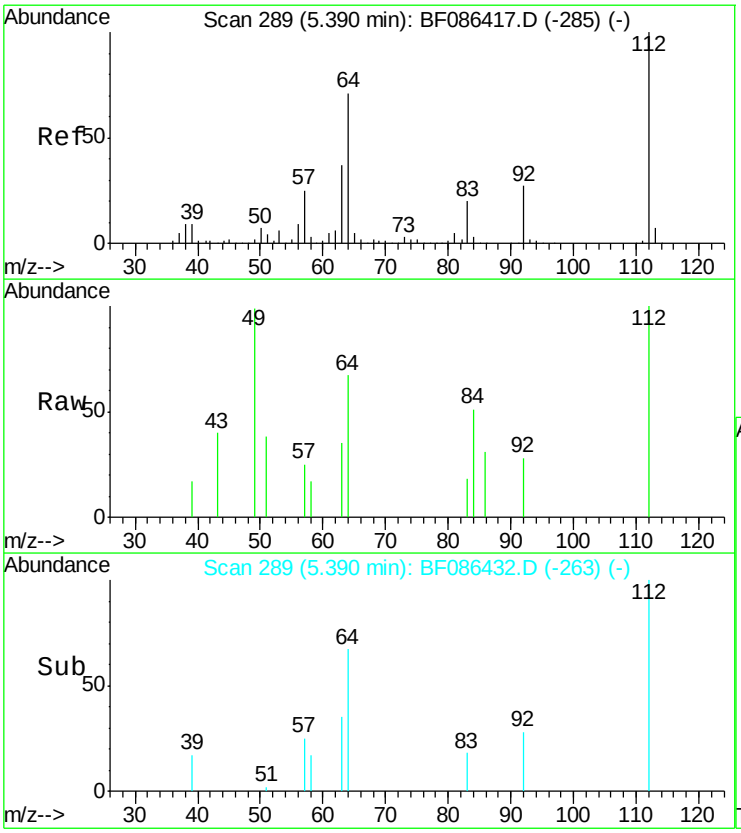
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:152 Resp: 102532

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.6
115	56.3	51.5	77.3

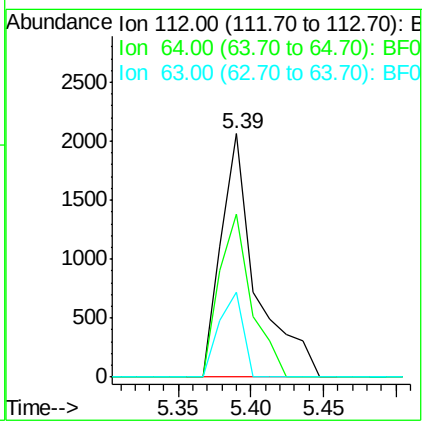


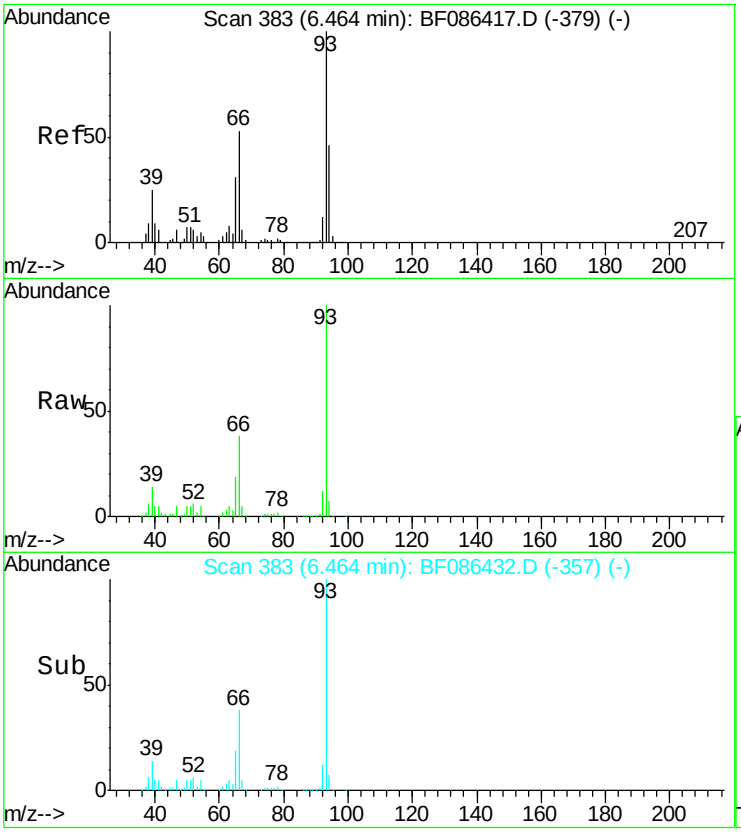


#5
2-Fluorophenol
Concen: 0.58 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:112 Resp: 3467

Ion	Ratio	Lower	Upper
112	100		
64	66.7	52.1	78.1
63	35.0	25.7	38.5



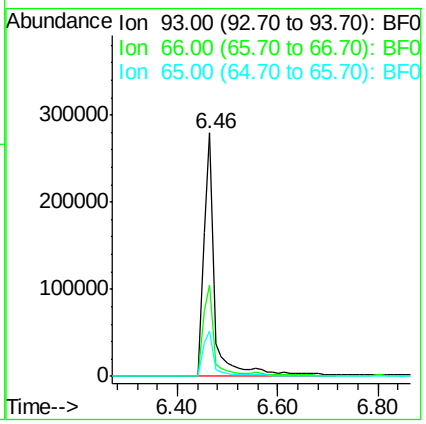


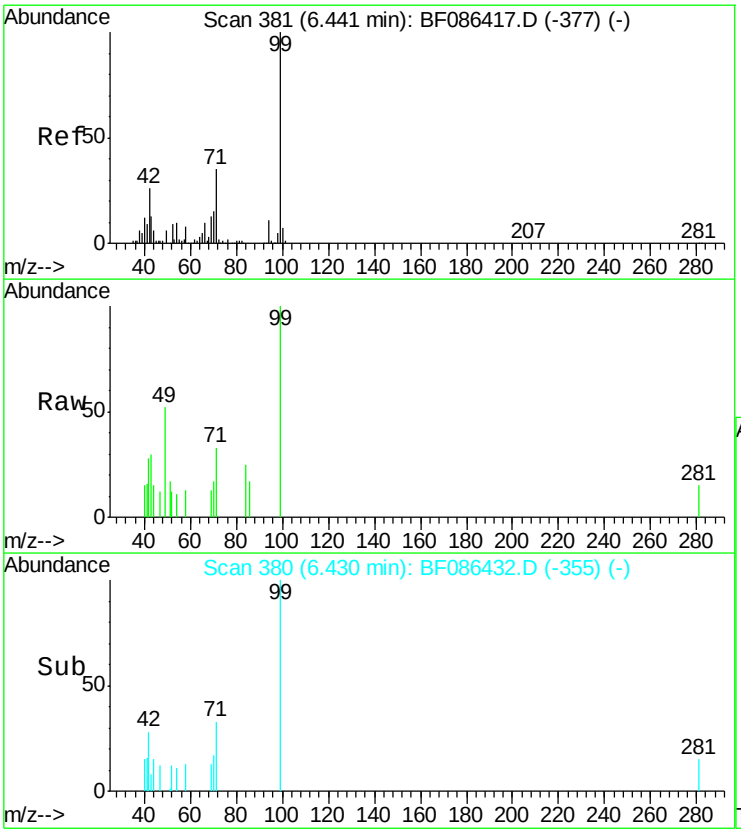
#6
Aniline
Concen: 42.49 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.00 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion: 93 Resp: 426607

Ion	Ratio	Lower	Upper
93	100		
66	37.5	39.0	58.6#
65	18.6	20.6	31.0#

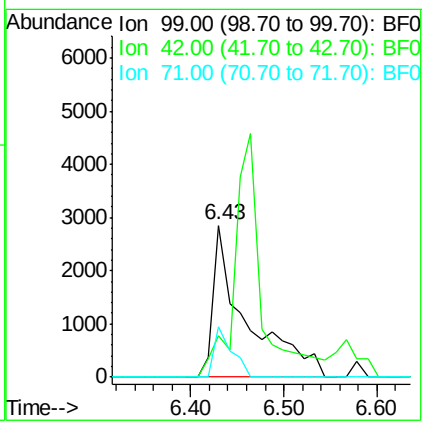


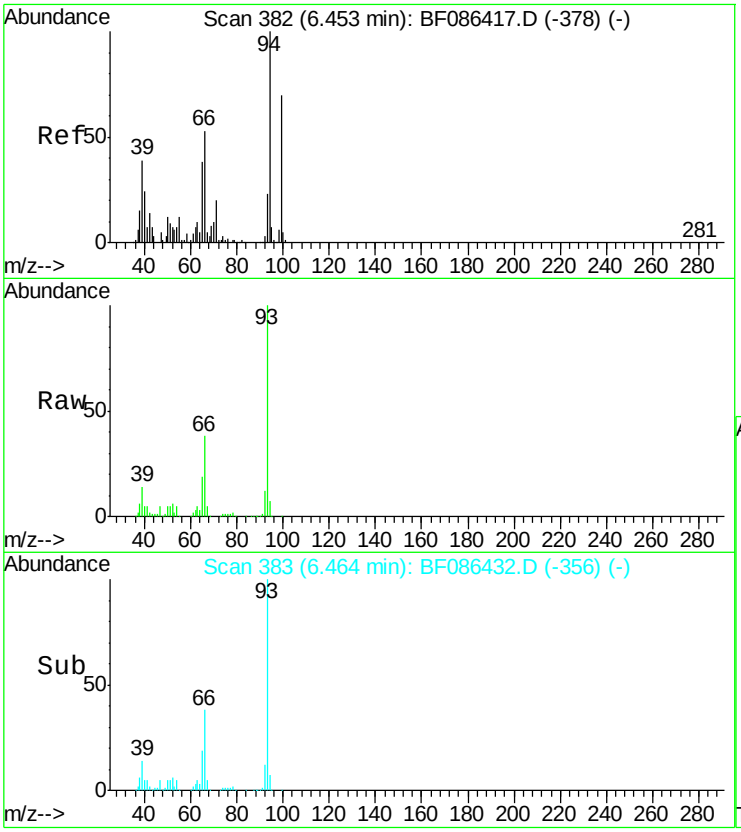


#7
Phenol-d6
Concen: 0.85 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion: 99 Resp: 7073

Ion	Ratio	Lower	Upper
99	100		
42	27.7	13.6	20.4#
71	33.0	24.6	36.8



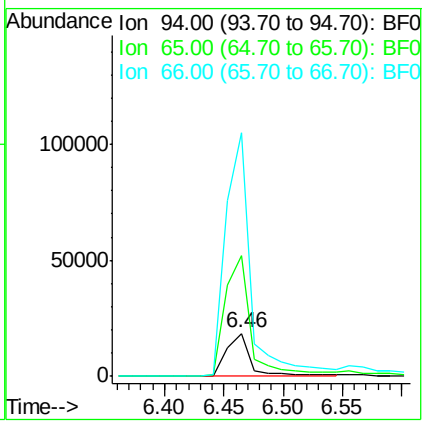


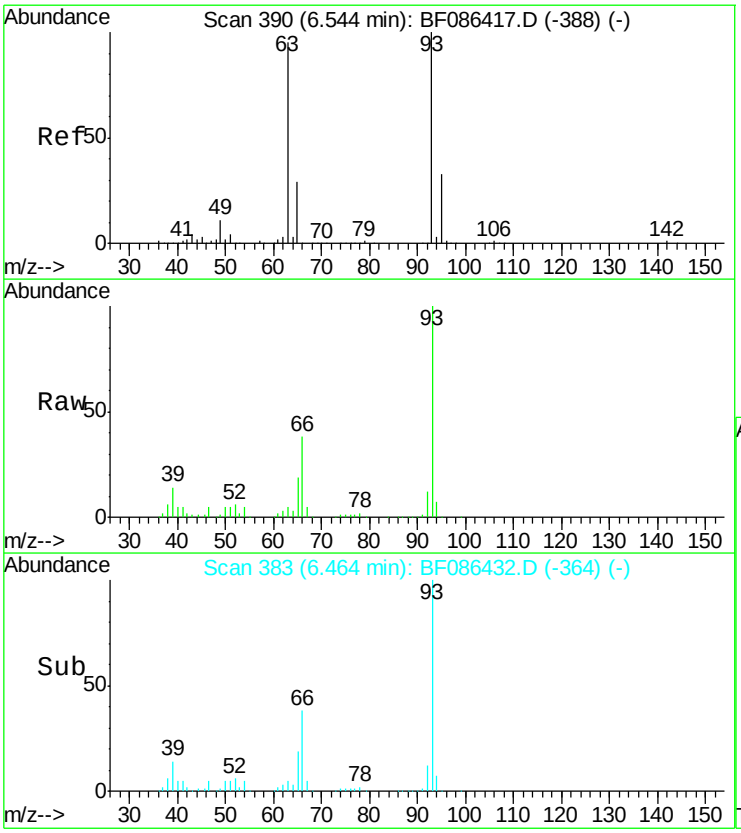
#10
Phenol
Concen: 2.91 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion: 94 Resp: 26934

Ion	Ratio	Lower	Upper
94	100		
65	279.2	7.2	47.2#
66	563.4	14.9	54.9#

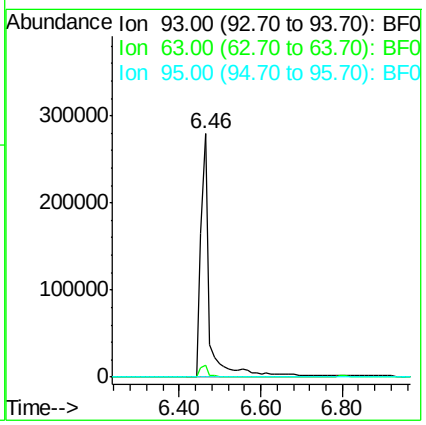


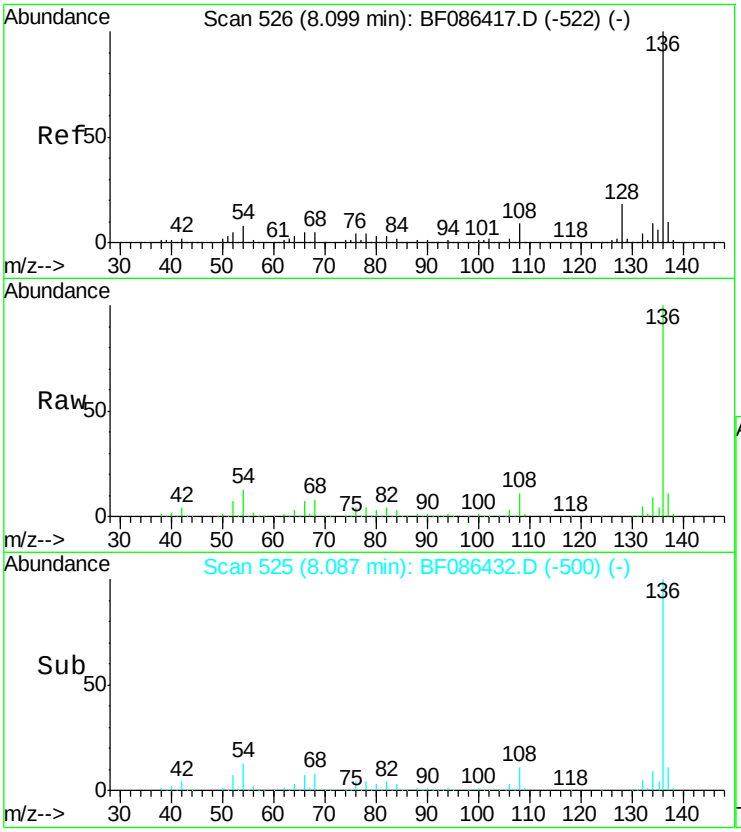


#11
bis(2-Chloroethyl)ether
Concen: 54.40 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.08 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion: 93 Resp: 435310

Ion	Ratio	Lower	Upper
93	100		
63	5.2	58.0	98.0#
95	0.2	11.9	51.9#



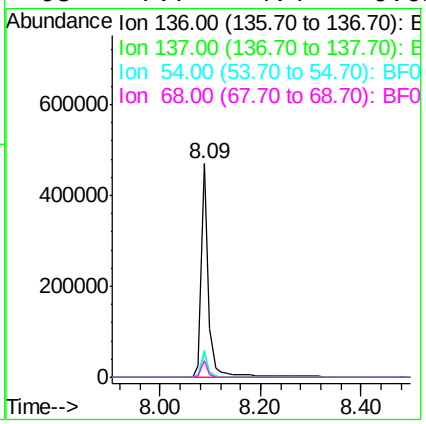


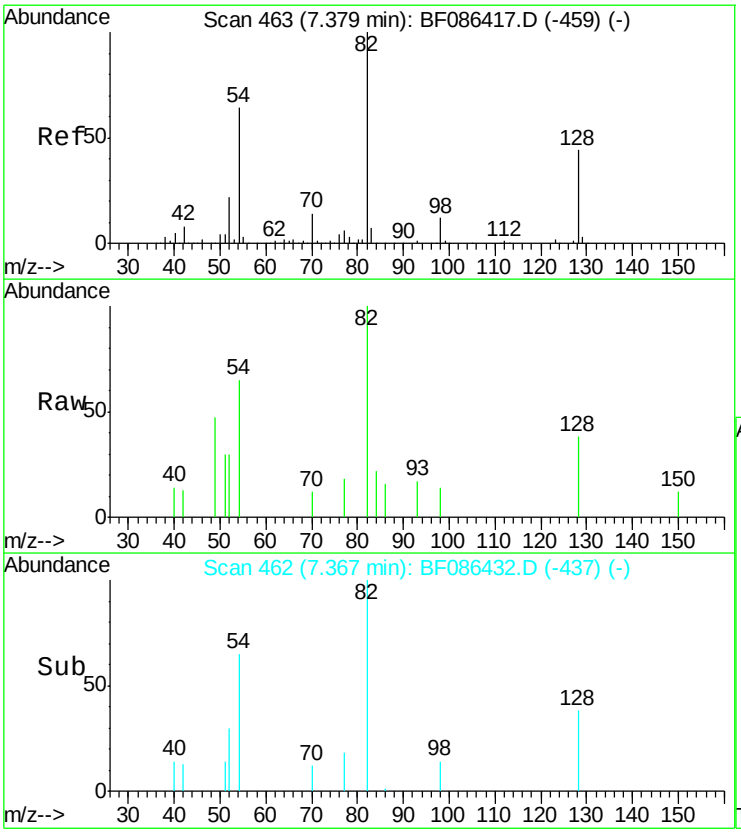
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:136 Resp: 478685

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.8	5.0	7.4#
68	7.7	4.4	6.6#

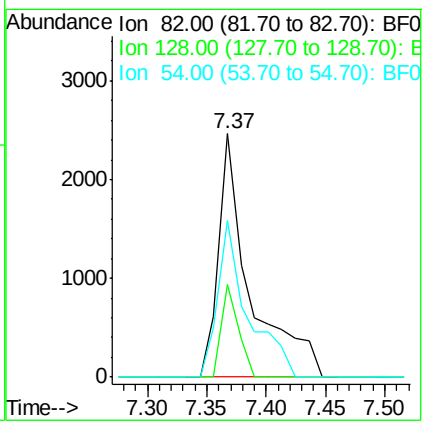


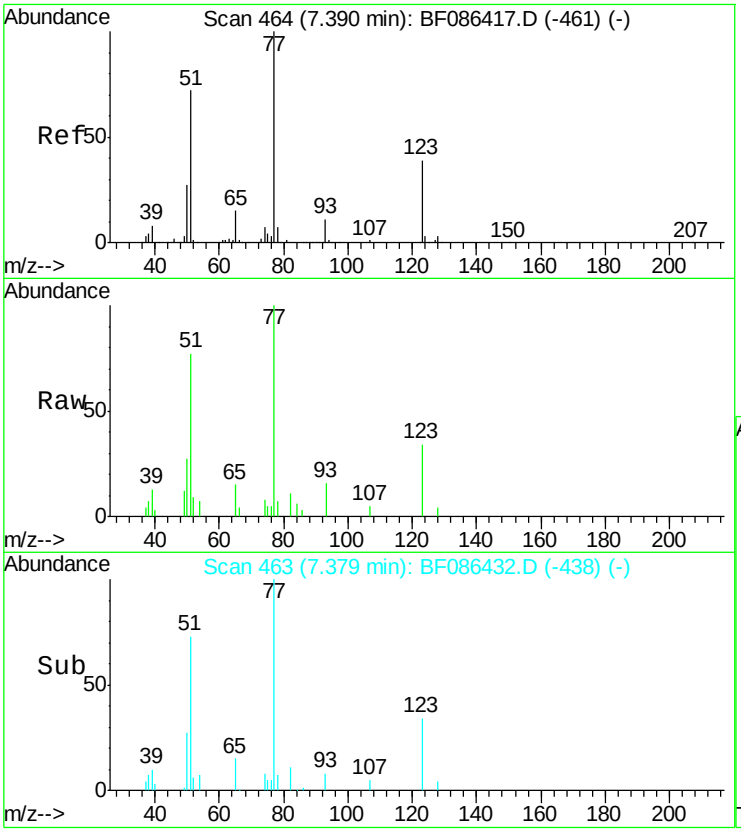


#23
Nitrobenzene-d5
Concen: 0.51 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion: 82 Resp: 4520

Ion	Ratio	Lower	Upper
82	100		
128	38.2	40.6	61.0#
54	64.5	38.1	57.1#



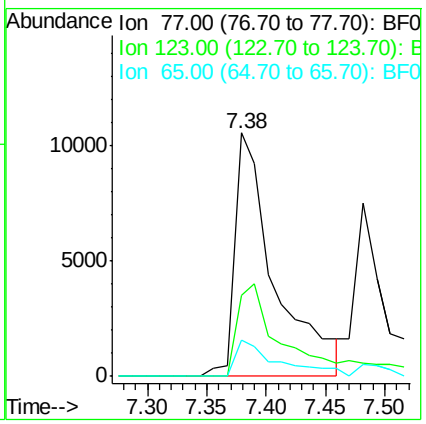


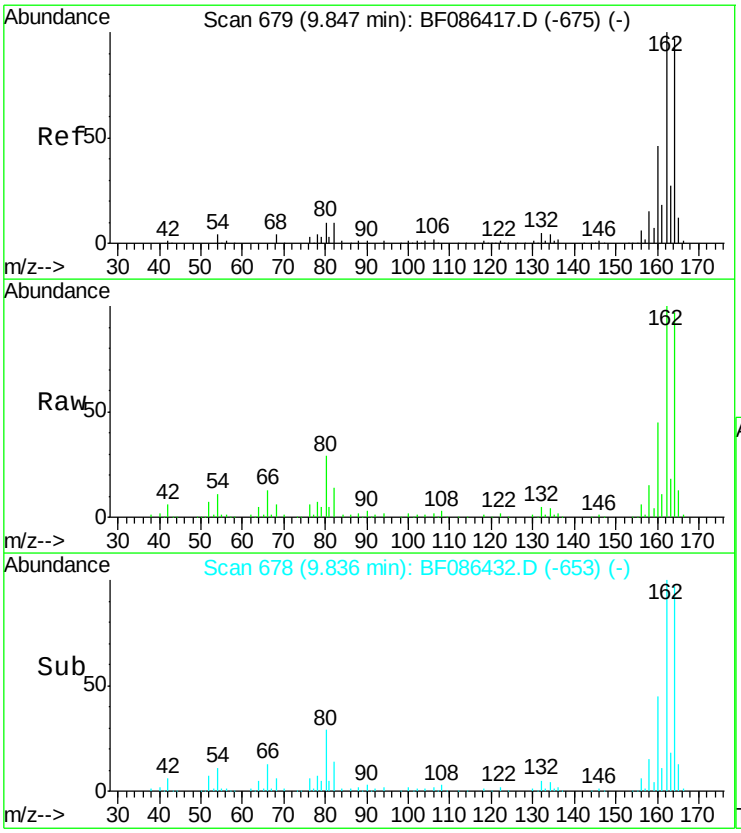
#24
Nitrobenzene
Concen: 2.71 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion: 77 Resp: 24773

Ion	Ratio	Lower	Upper
77	100		
123	33.5	33.0	49.4
65	14.8	10.8	16.2

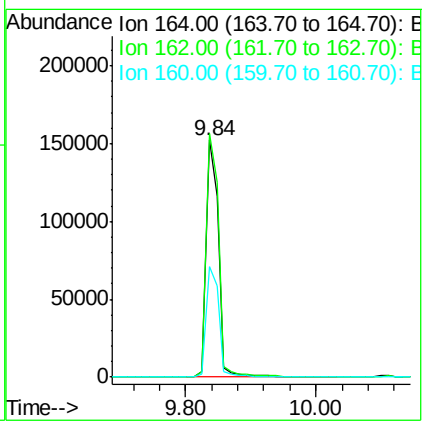


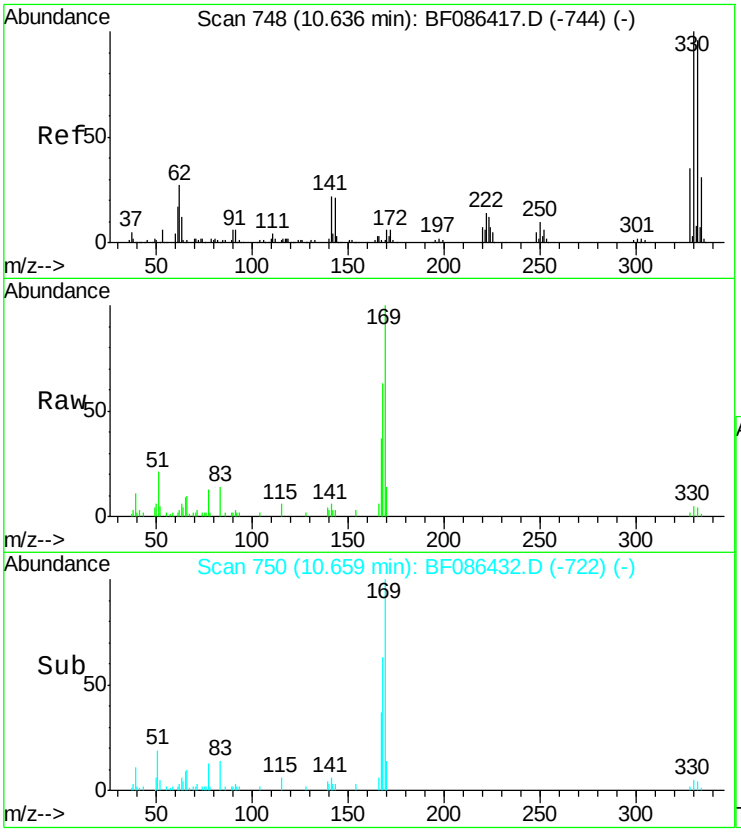


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:164 Resp: 199896

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.8	124.2
160	46.8	36.9	55.3



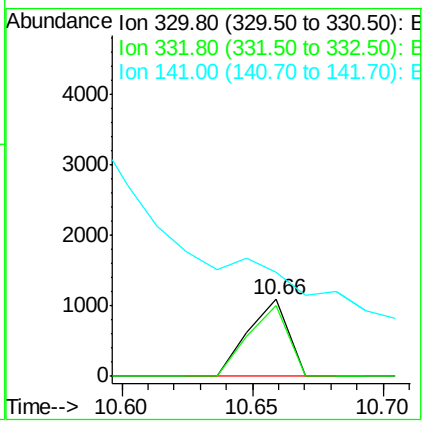


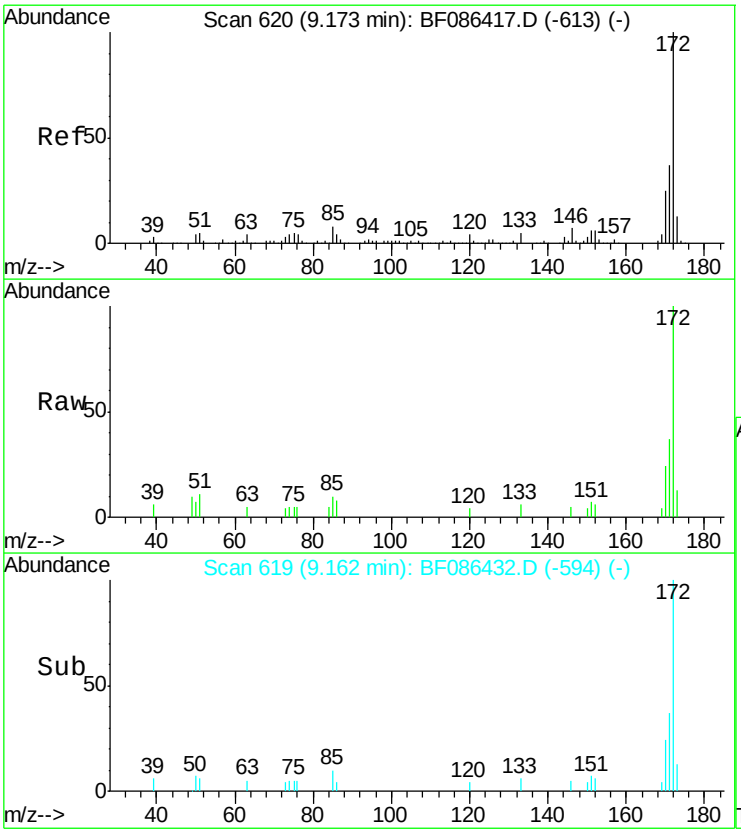
#41
2,4,6-Tribromophenol
Concen: 0.56 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.02 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:330 Resp: 1173

Ion	Ratio	Lower	Upper
330	100		
332	91.3	79.0	118.4
141	0.0	31.2	46.8#

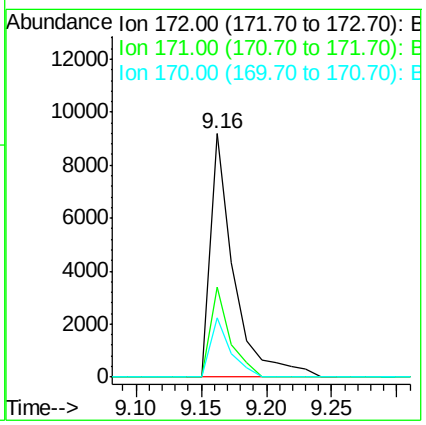


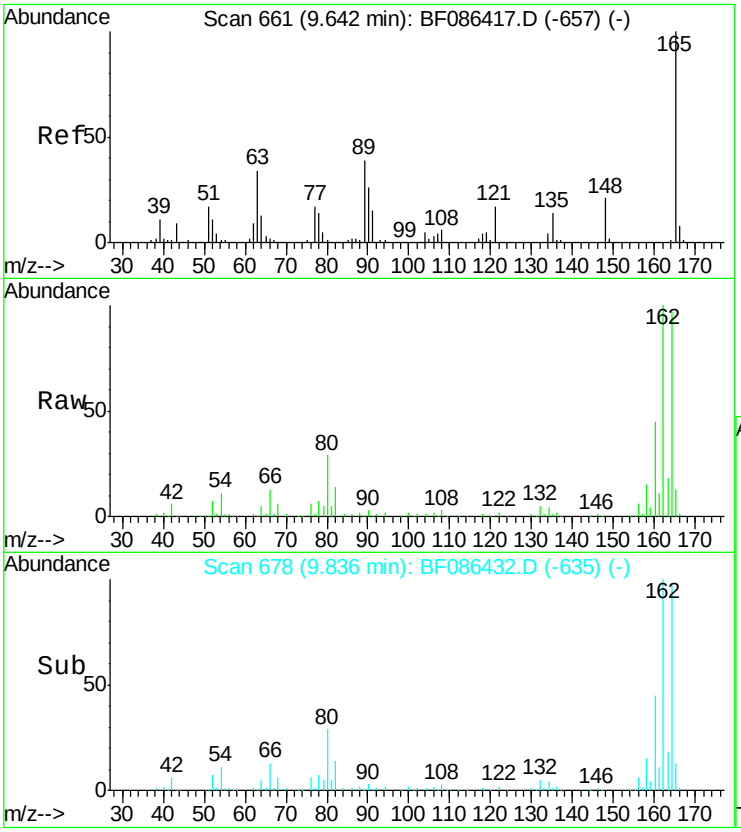


#44
2-Fluorobiphenyl
Concen: -1.00 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:172 Resp: 11526

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	24.4	19.8	29.8



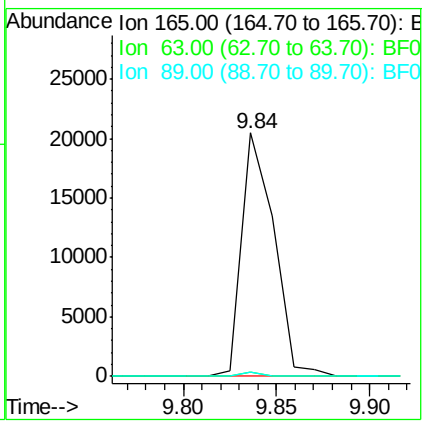


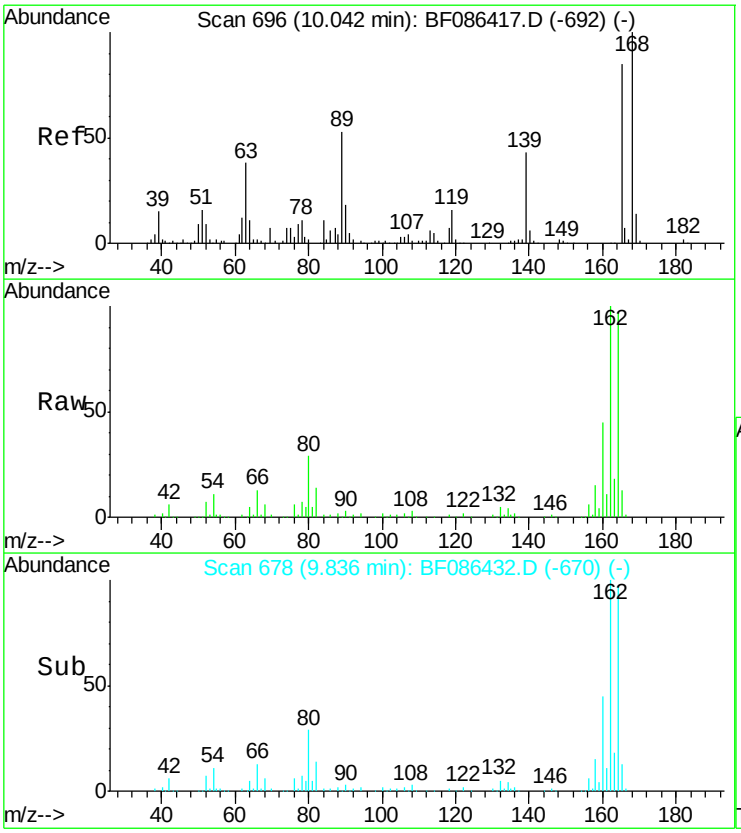
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.19 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:165 Resp: 24530

Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.8	77.8#
89	1.5	50.7	76.1#

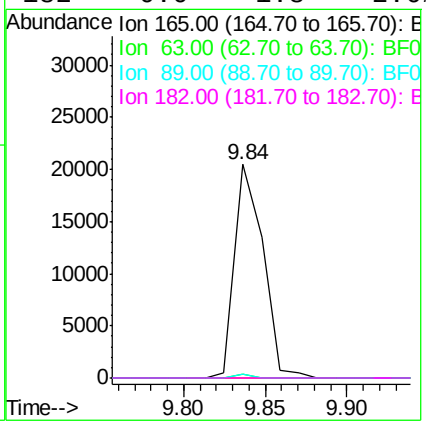


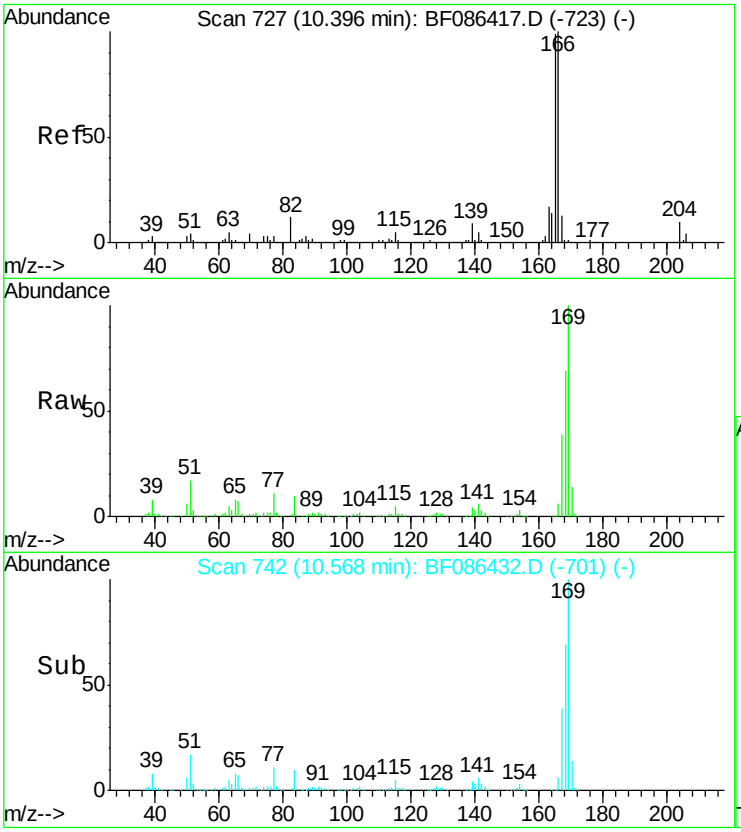


#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.21 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:165 Resp: 24531

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.3	66.5#
89	1.5	70.0	105.0#
182	0.0	1.8	2.6#



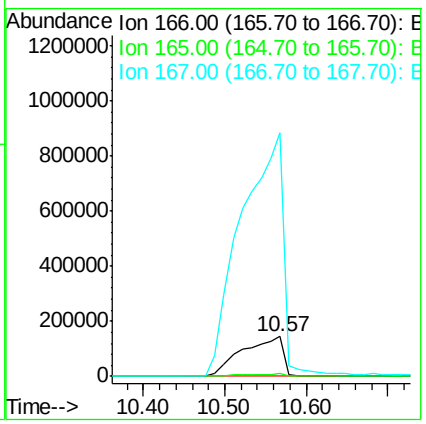


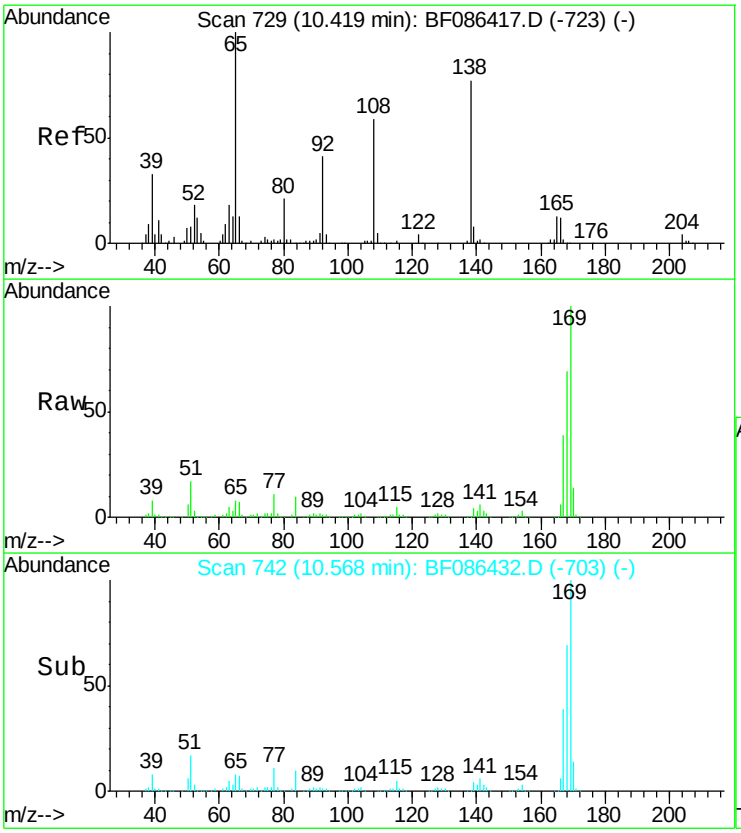
#57
Fluorene
Concen: 36.93 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.17 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:166 Resp: 511218

Ion	Ratio	Lower	Upper
166	100		
165	6.3	79.0	118.6#
167	609.6	10.6	15.8#

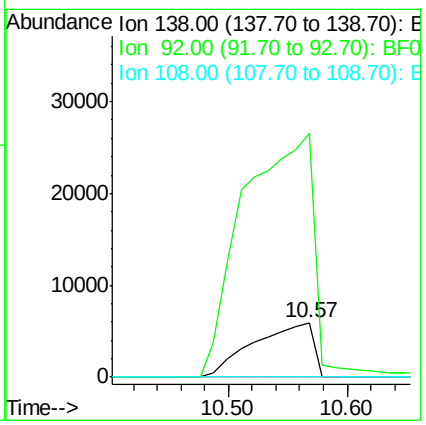


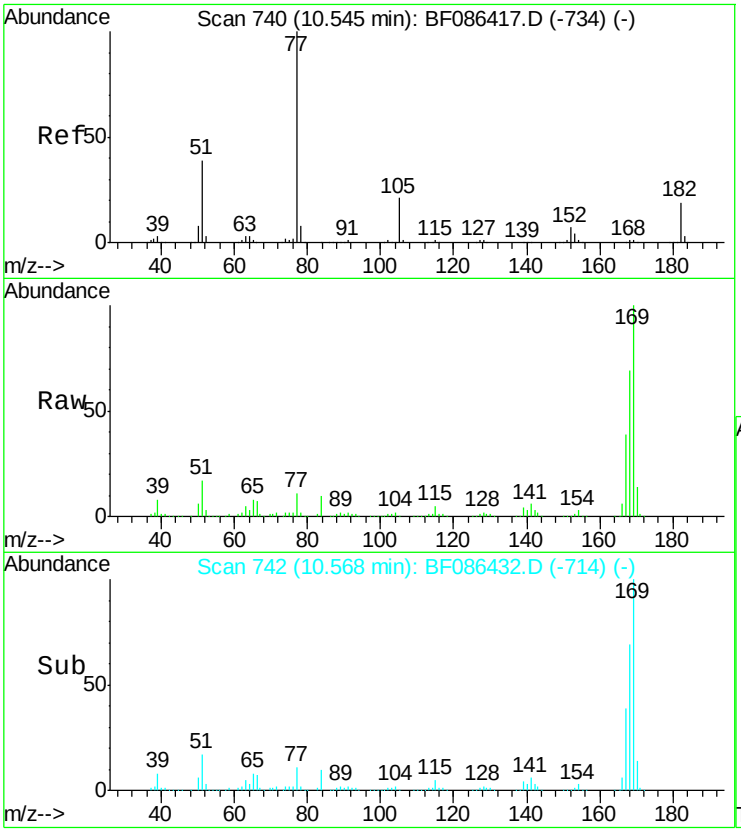


#61
4-Nitroaniline
Concen: 5.94 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.15 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:138 Resp: 20514

Ion	Ratio	Lower	Upper
138	100		
92	445.9	24.7	64.7#
108	0.0	37.4	77.4#



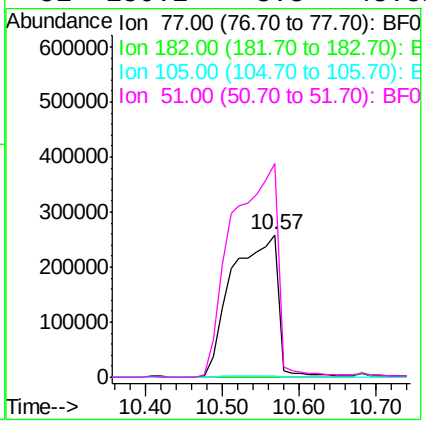


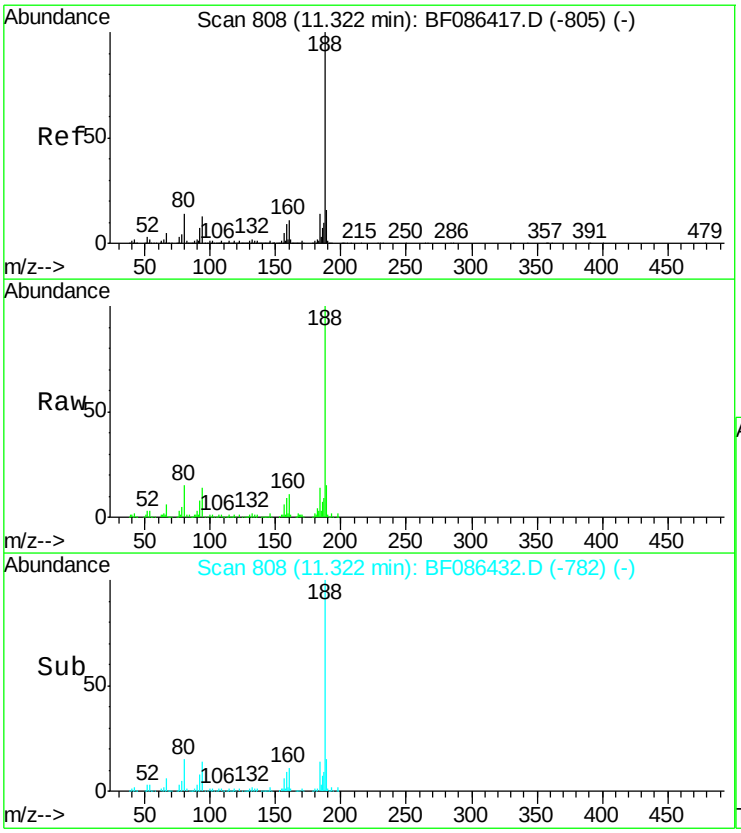
#62
Azobenzene
Concen: 68.57 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion: 77 Resp: 1069914

Ion	Ratio	Lower	Upper
77	100		
182	0.0	0.0	38.8
105	1.1	3.2	43.2#
51	150.2	8.8	48.8#

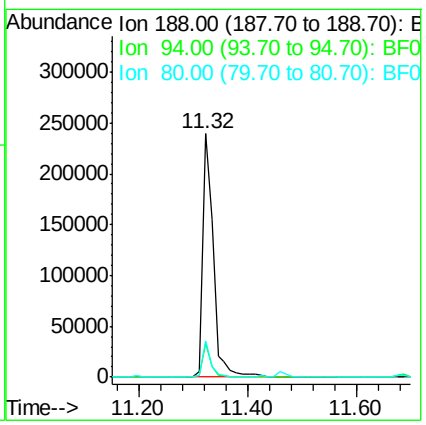


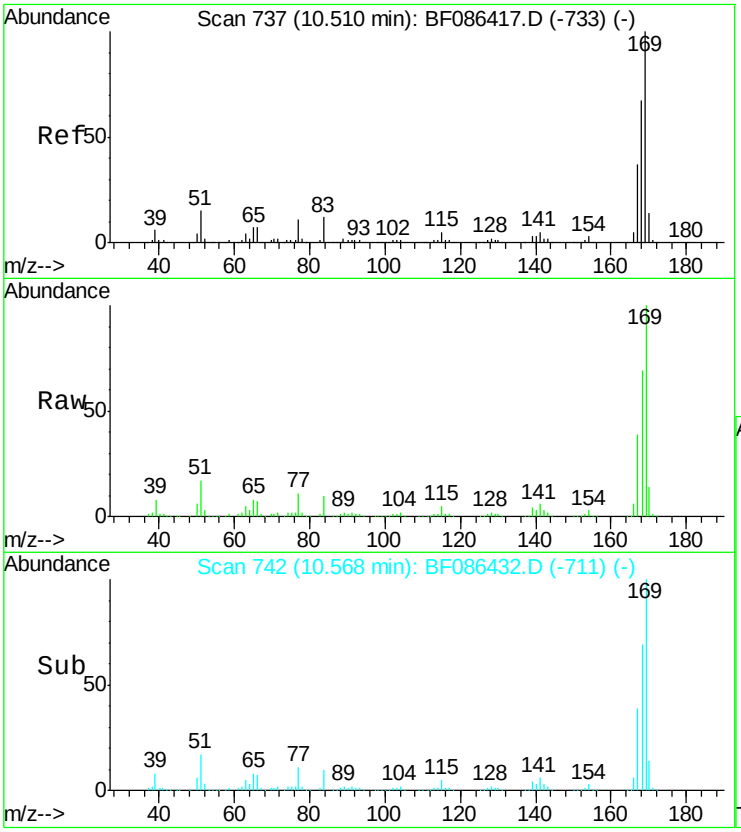


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:188 Resp: 318846

Ion	Ratio	Lower	Upper
188	100		
94	14.1	6.8	10.2#
80	15.0	7.1	10.7#



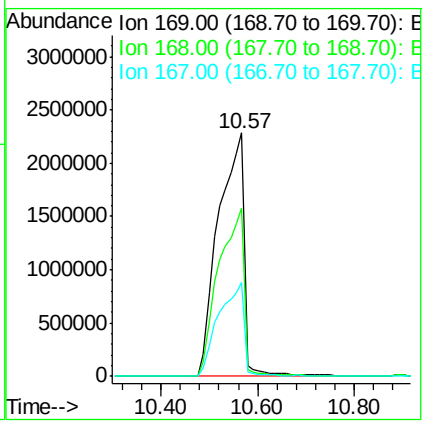


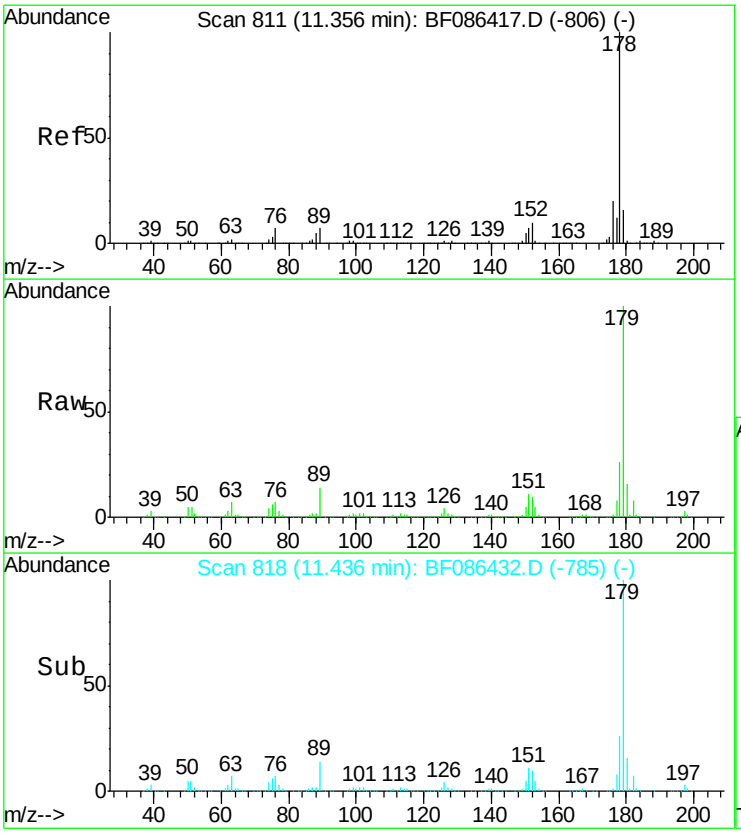
#65
n-Nitrosodiphenylamine
Concen: 857.25 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.06 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:169 Resp: 8542501

Ion	Ratio	Lower	Upper
169	100		
168	69.2	53.8	80.6
167	38.7	29.5	44.3

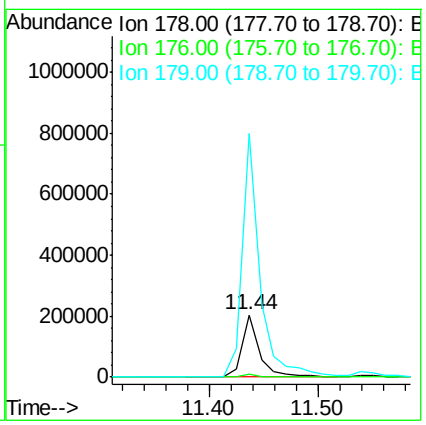


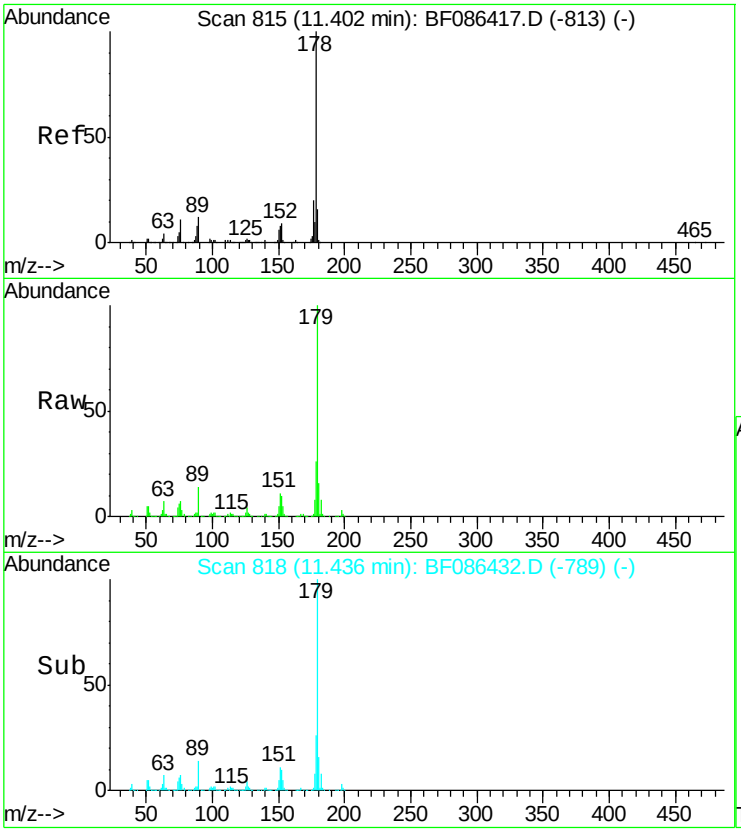


#70
Phenanthrene
Concen: 13.65 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.08 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:178 Resp: 228366

Ion	Ratio	Lower	Upper
178	100		
176	5.8	16.0	24.0#
179	390.7	12.6	18.8#



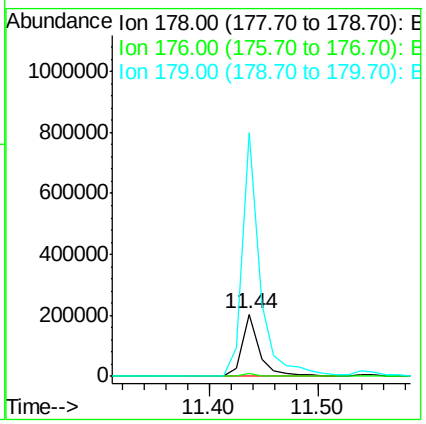


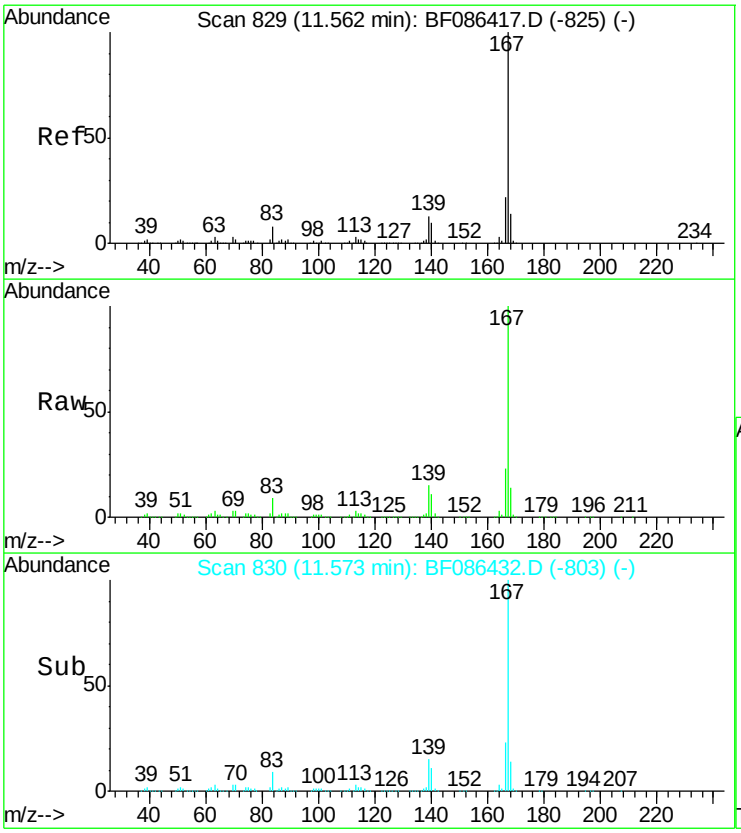
#71
Anthracene
Concen: 12.79 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.03 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:178 Resp: 228366

Ion	Ratio	Lower	Upper
178	100		
176	5.8	15.6	23.4#
179	390.7	12.7	19.1#

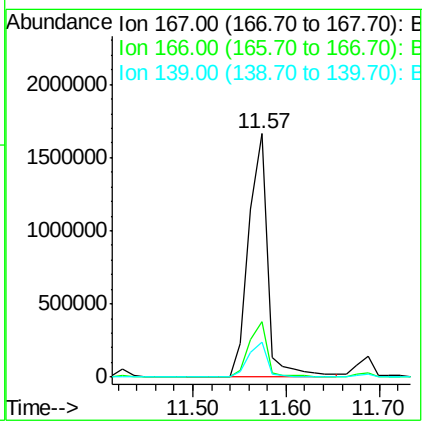


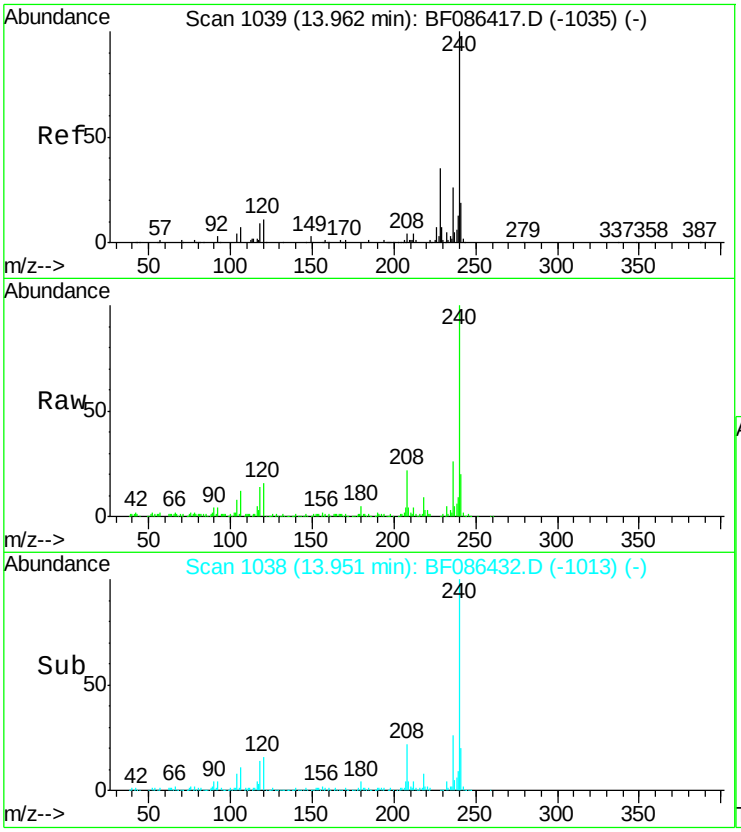


#72
Carbazole
Concen: 147.42 ng
RT: 11.57 min Scan# 830
Delta R.T. 0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:167 Resp: 2333173

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.7	26.5
139	14.5	10.8	16.2



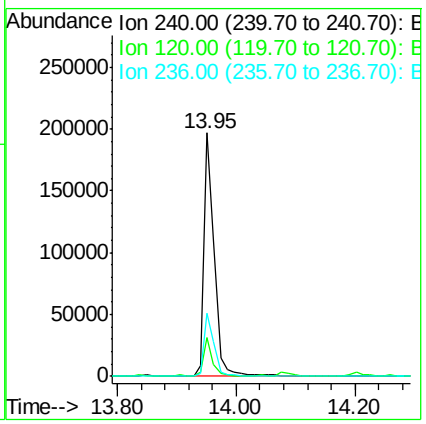


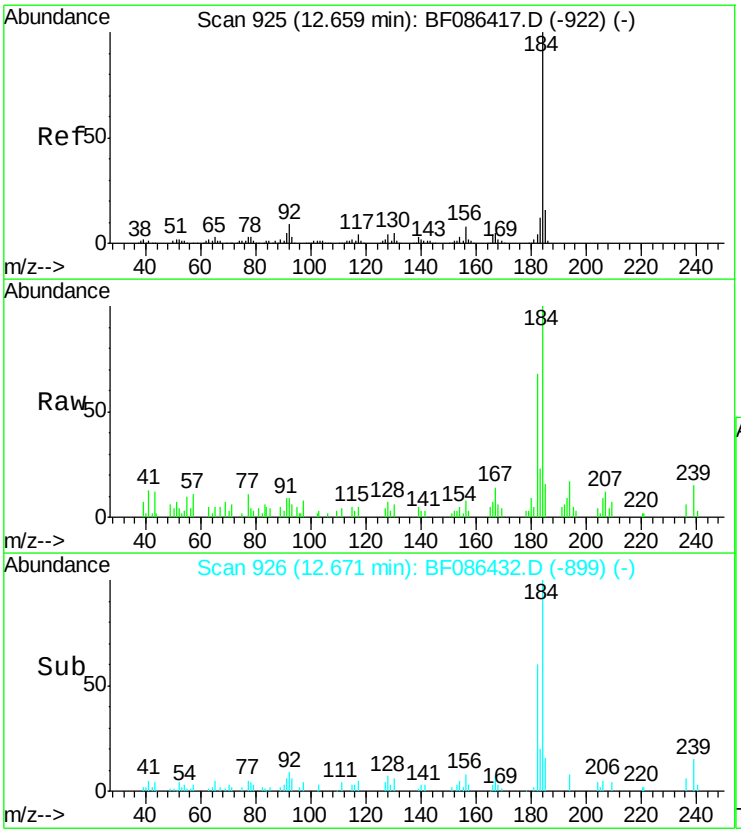
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:240 Resp: 242664

Ion	Ratio	Lower	Upper
240	100		
120	16.1	11.2	16.8
236	25.7	21.2	31.8

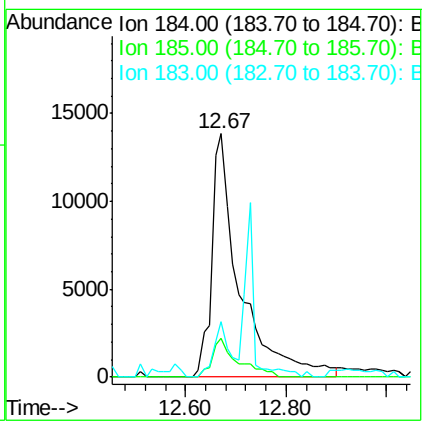


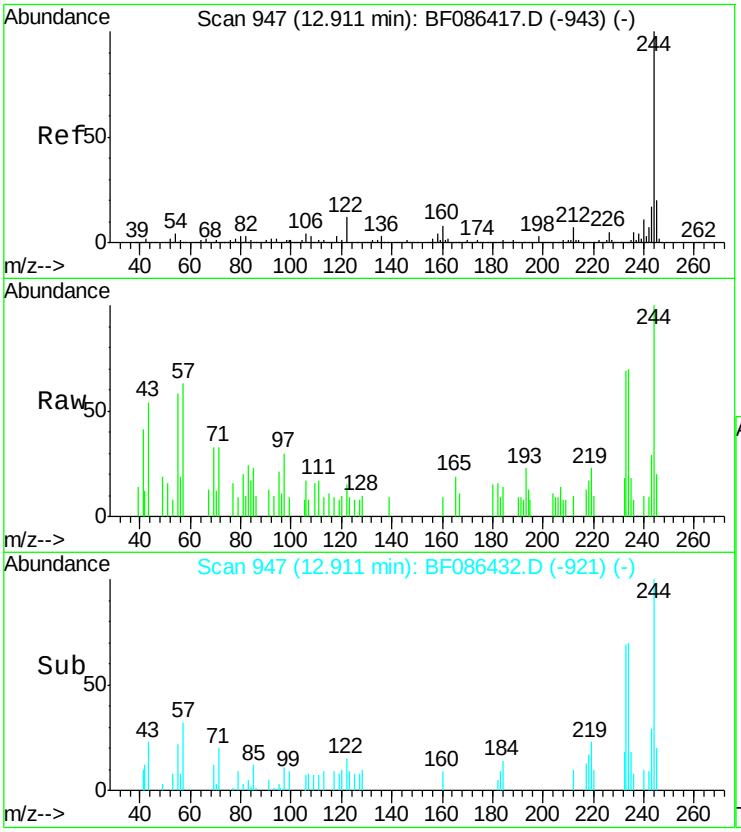


#76
Benzidine
Concen: 6.44 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:184 Resp: 53687

Ion	Ratio	Lower	Upper
184	100		
185	16.2	13.6	20.4
183	22.9	9.8	14.6#



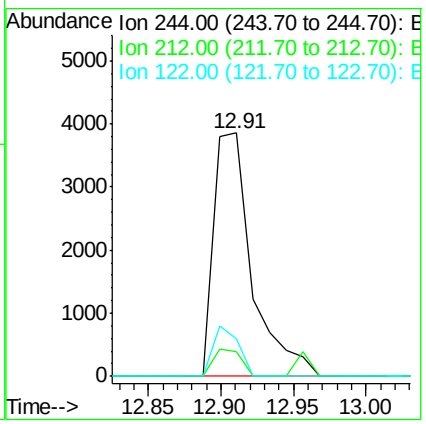


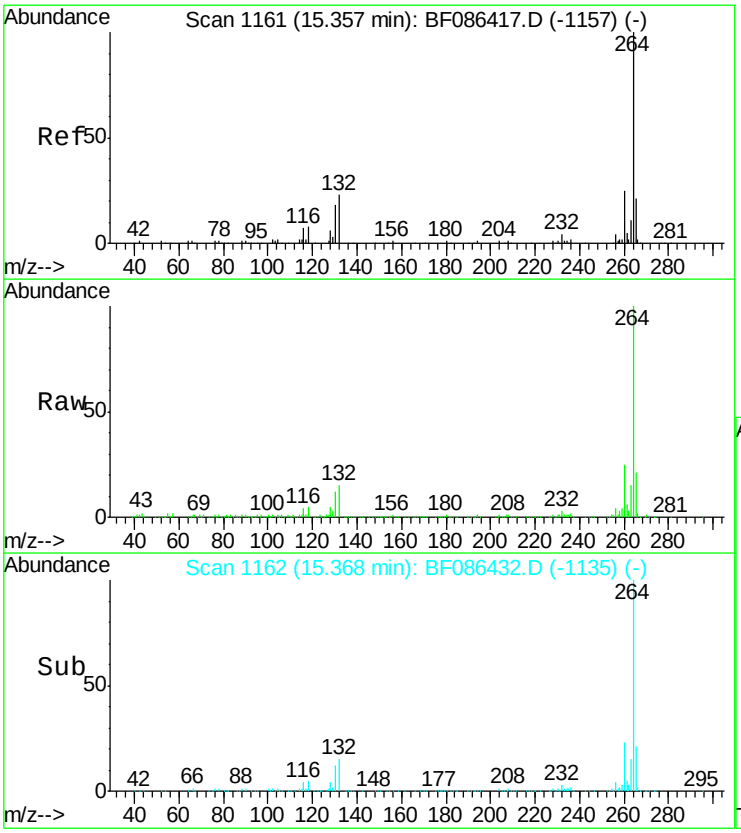
#78
Terphenyl-d14
Concen: 0.64 ng
RT: 12.91 min Scan# 947
Delta R.T. 0.00 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
DPA2-PRE-B10

Tgt Ion:244 Resp: 7068

Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.2	9.2#
122	15.3	12.0	18.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086432.D
Acq: 27 Apr 2016 19:06

Tgt Ion:264 Resp: 257150

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.2	17.3	25.9