Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
Data File : BF087256.D
Acq On : 21 May 2016 7:12
Operator : UM/SJ
Sample : H3167-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-RMW-3

Quant Time: May 23 00:56:21 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	6.56	152	125919	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	543569	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	276119	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	501850	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	373843	20.00	ng	-0.07
86) Perylene-d12	15.04	264	272864	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	507872	67.79	ng	-0.06
7) Phenol-d6	6.23	99	420182	41.82	ng	-0.06
23) Nitrobenzene-d5	7.13	82	894063	81.97	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	308683	101.17	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1676017	100.53	ng	-0.06
78) Terphenyl-d14	12.65	244	1460314	88.36	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.33	77	23765	3.25	ng	# 79
15) Benzyl Alcohol	6.71	79	15876	2.12	ng	# 43
19) n-Nitroso-di-n-propylamine	7.13	70	125763	16.47	ng	# 74
25) Isophorone	7.13	82	796643	39.90	ng	# 68
49) Dimethylphthalate	9.32	163	59291	2.81	ng	99
50) 2,6-Dinitrotoluene	9.59	165	35563	7.78	ng	# 20
56) 2,4-Dinitrotoluene	9.59	165	35563	6.07	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	20144	3.90	ng	# 1
76) Benzidine	12.65	184	22812	2.58	ng	97

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

Quantitation Report (Not Reviewed)

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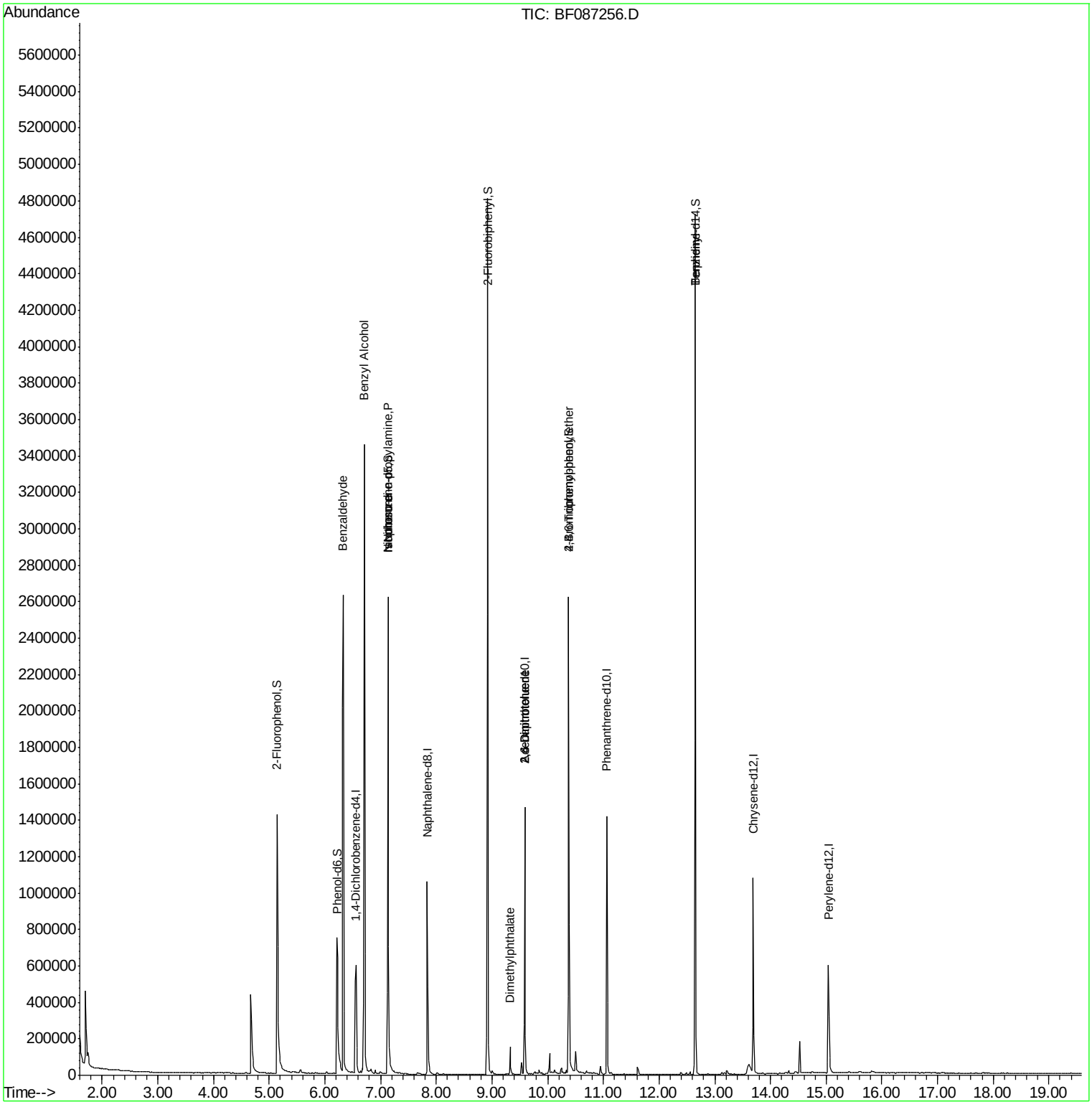
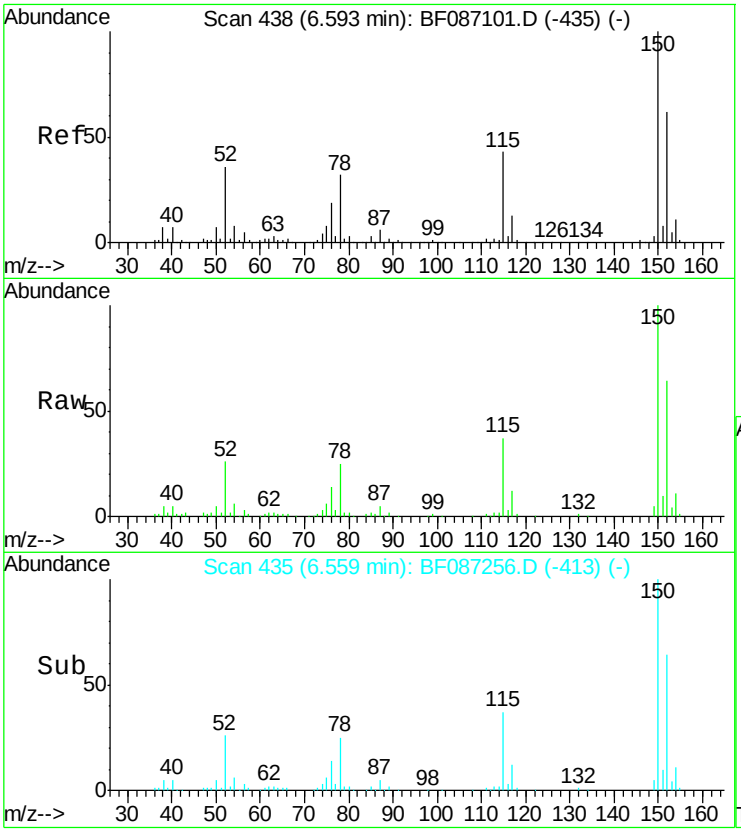


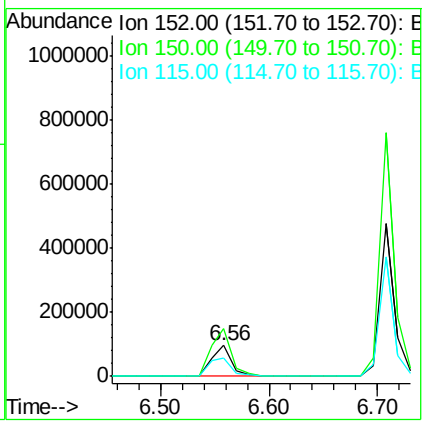


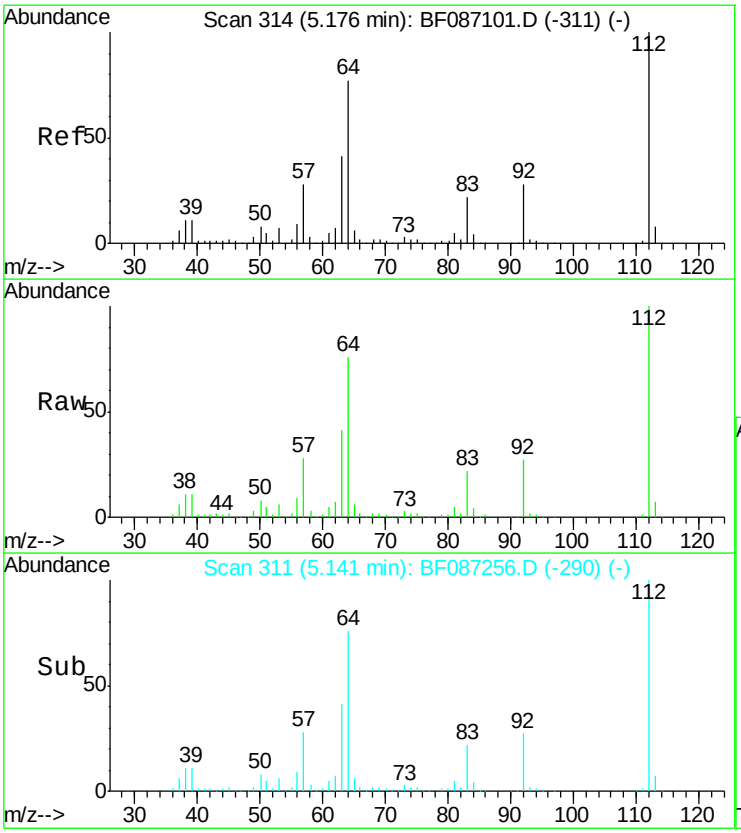
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:152 Resp: 125919

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.8	188.6
115	58.5	51.5	77.3

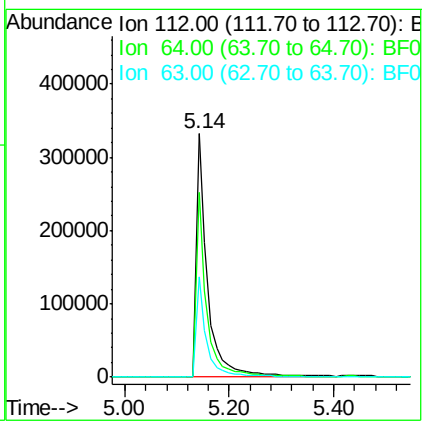


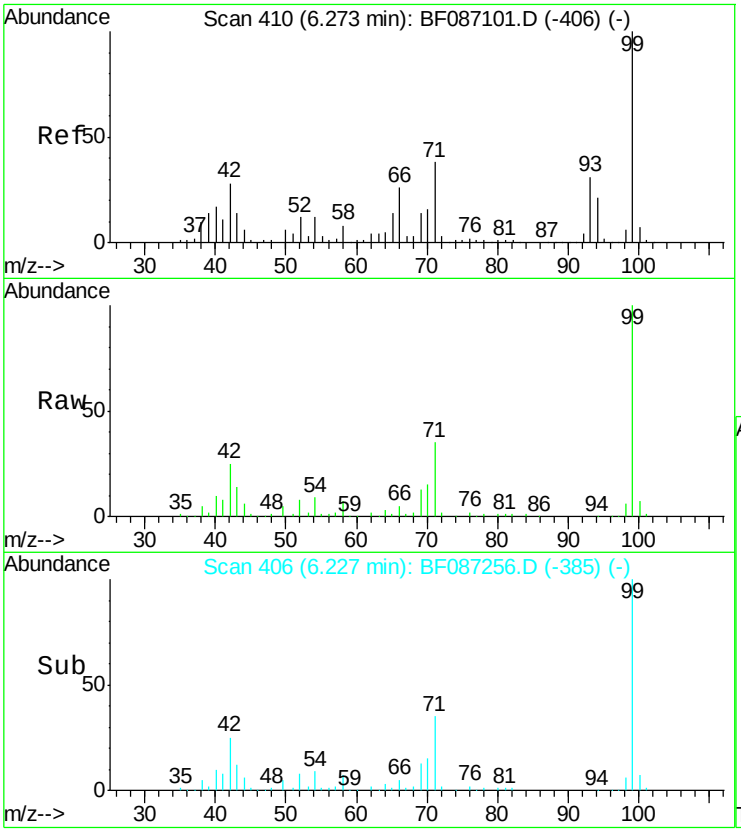


#5
2-Fluorophenol
Concen: 67.79 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:112 Resp: 507872

Ion	Ratio	Lower	Upper
112	100		
64	75.7	52.1	78.1
63	40.9	25.7	38.5#



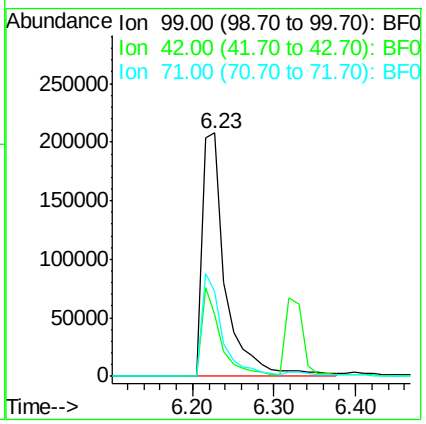


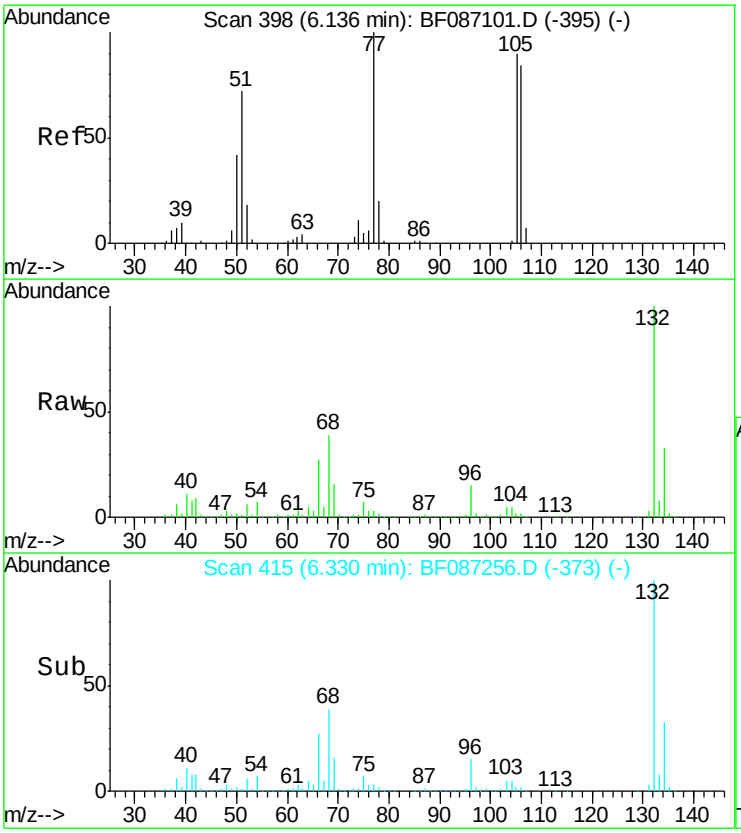
#7
Phenol-d6
Concen: 41.82 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion: 99 Resp: 420182

Ion	Ratio	Lower	Upper
99	100		
42	25.4	13.6	20.4#
71	34.9	24.6	36.8

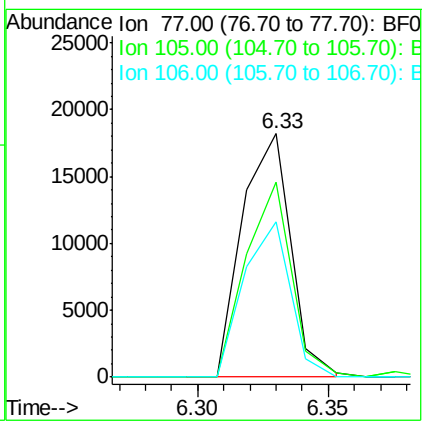


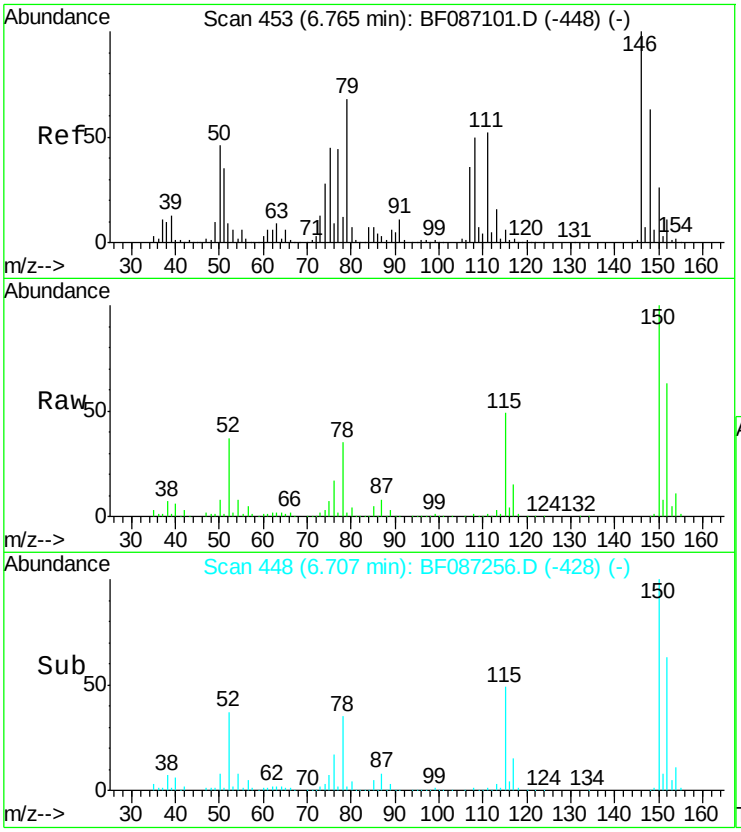


#9
Benzaldehyde
Concen: 3.25 ng
RT: 6.33 min Scan# 415
Delta R.T. 0.18 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion: 77 Resp: 23765

Ion	Ratio	Lower	Upper
77	100		
105	79.9	72.7	112.7
106	63.6	70.8	110.8#



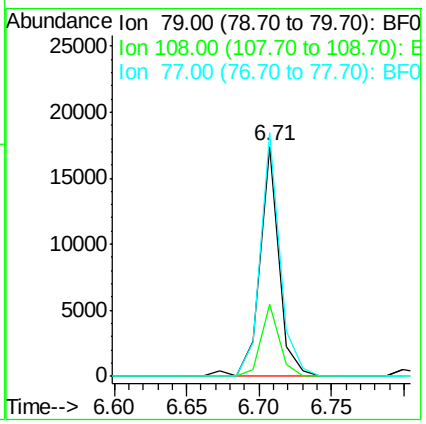


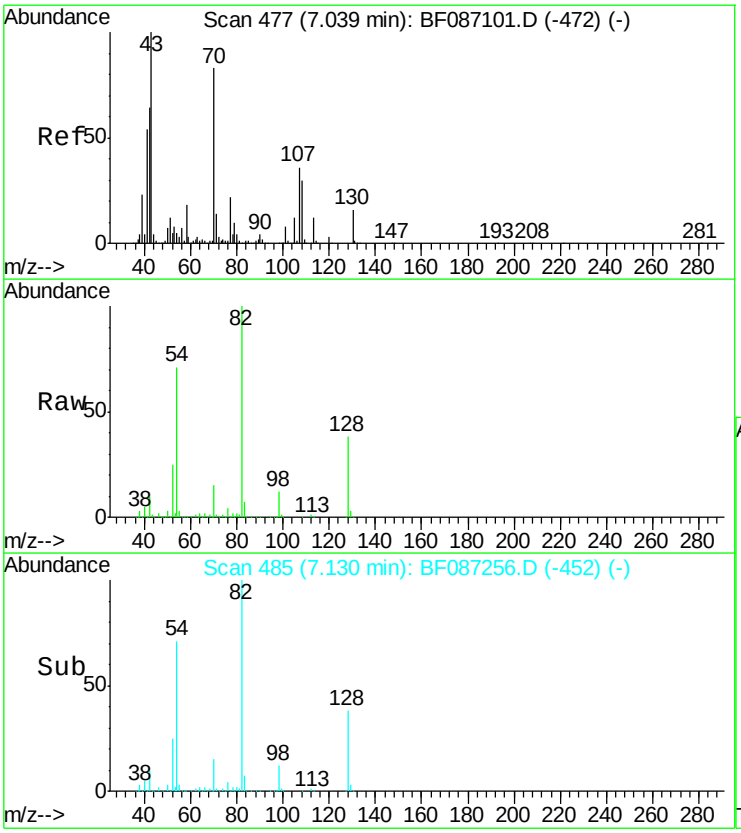
#15
Benzyl Alcohol
Concen: 2.12 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion: 79 Resp: 15876

Ion	Ratio	Lower	Upper
79	100		
108	31.4	68.4	102.6#
77	105.8	50.6	76.0#

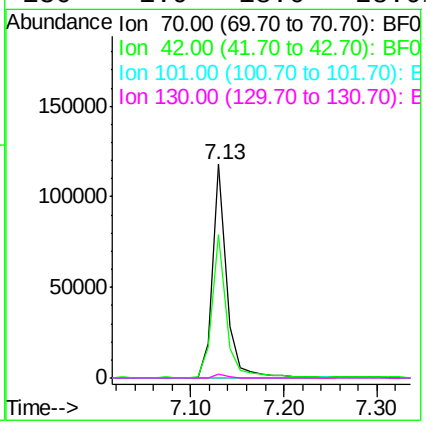


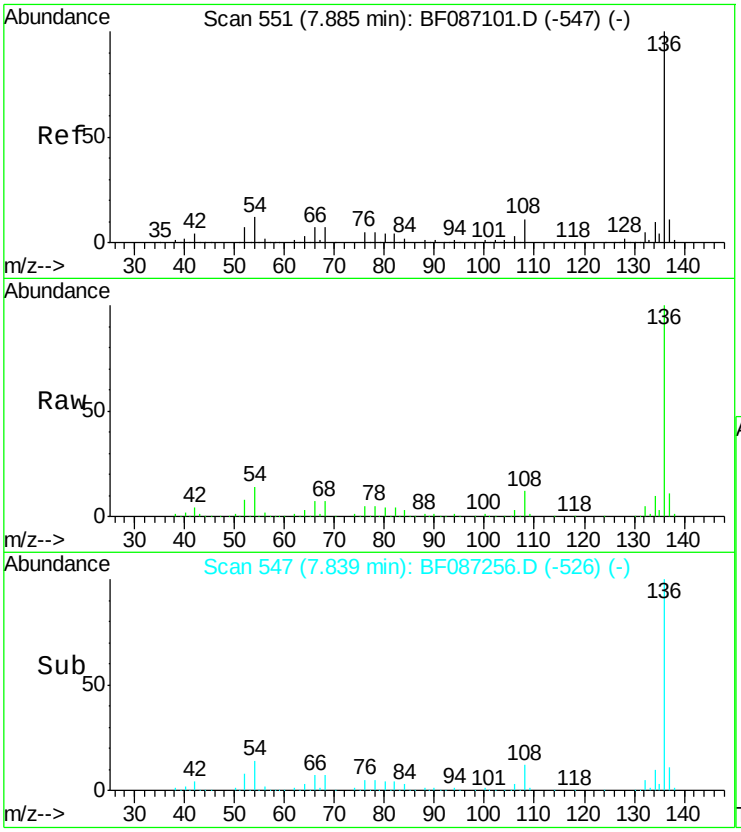


#19
n-Nitroso-di-n-propylamine
Concen: 16.47 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.08 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion: 70 Resp: 125763

Ion	Ratio	Lower	Upper
70	100		
42	67.1	43.1	64.7#
101	0.0	8.1	12.1#
130	1.9	18.6	28.0#



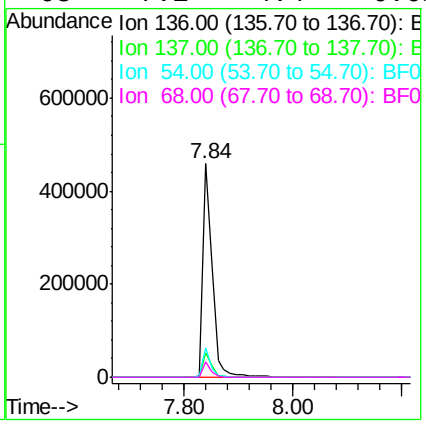


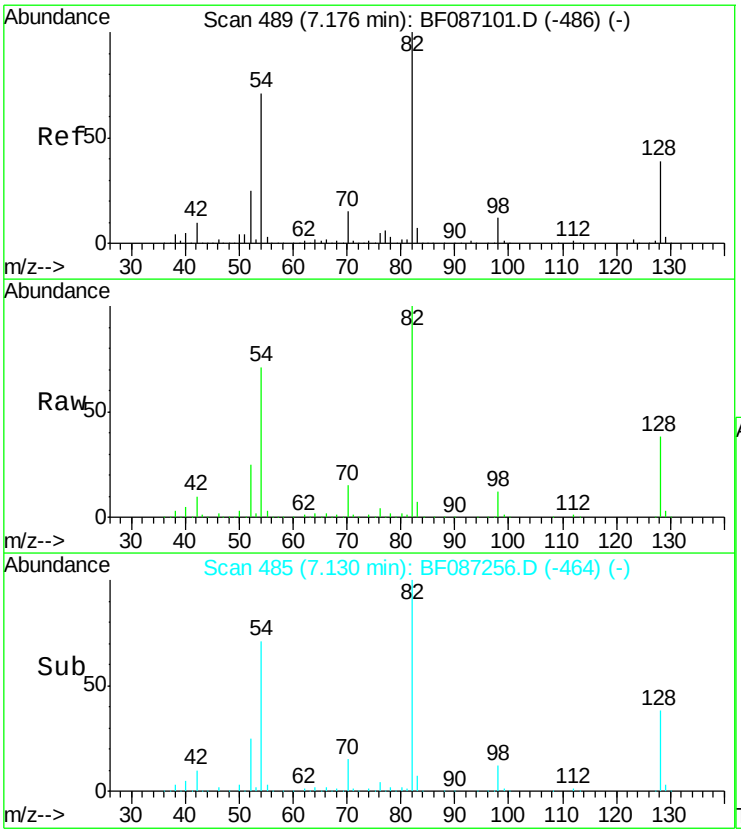
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:136 Resp: 543569

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.8	5.0	7.4#
68	7.1	4.4	6.6#

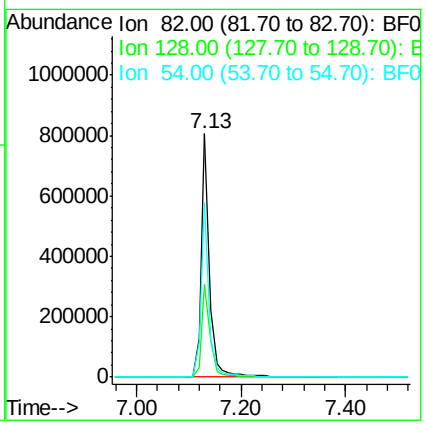


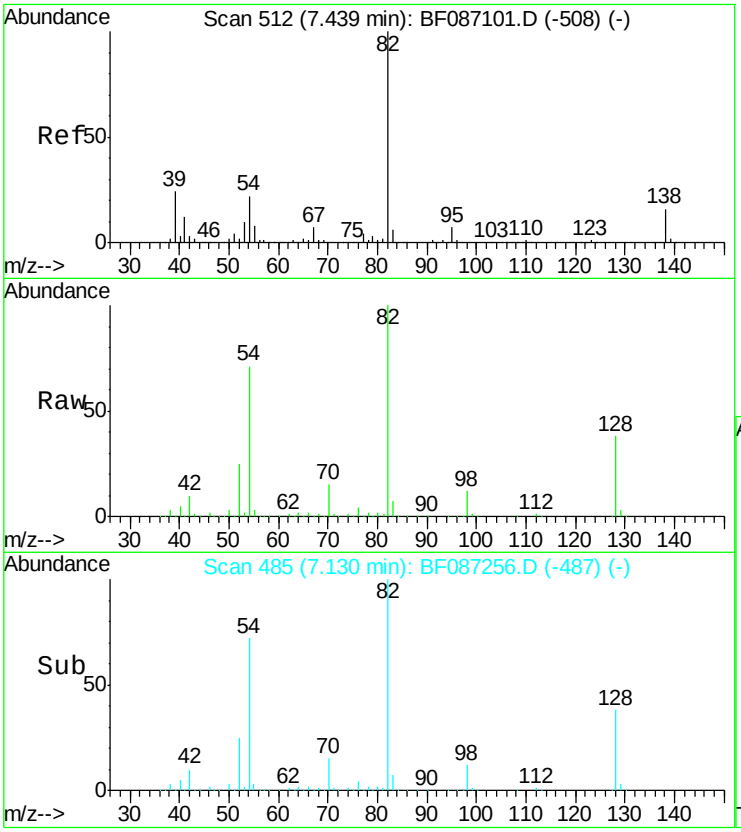


#23
Nitrobenzene-d5
Concen: 81.97 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion: 82 Resp: 894063

Ion	Ratio	Lower	Upper
82	100		
128	38.0	40.6	61.0#
54	71.5	38.1	57.1#



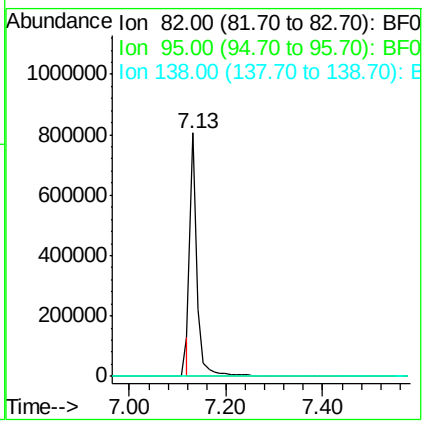


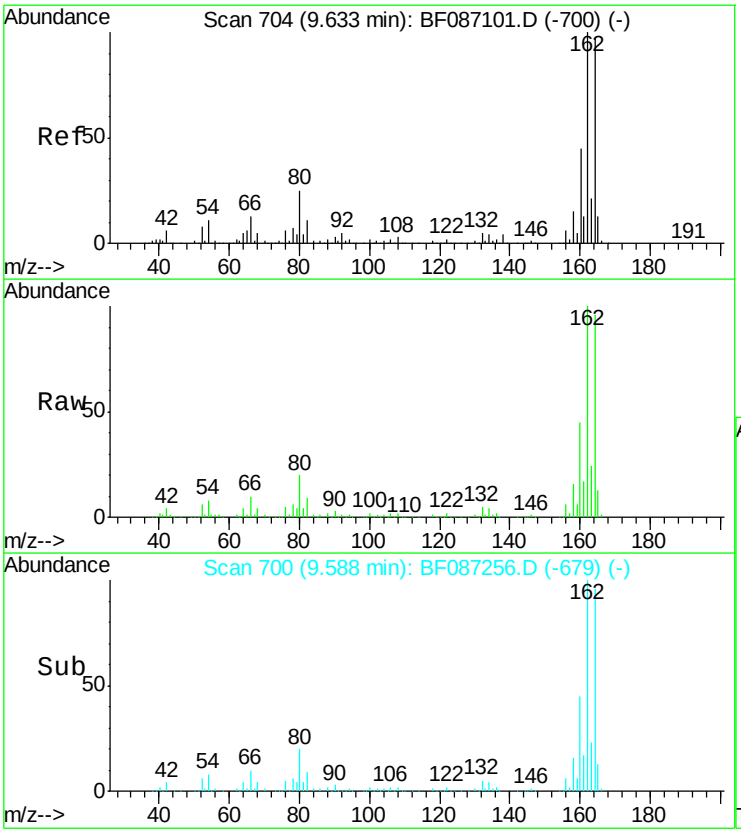
#25
Isophorone
Concen: 39.90 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.32 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion: 82 Resp: 796643

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

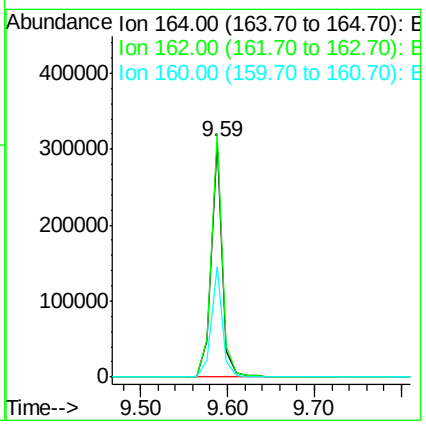


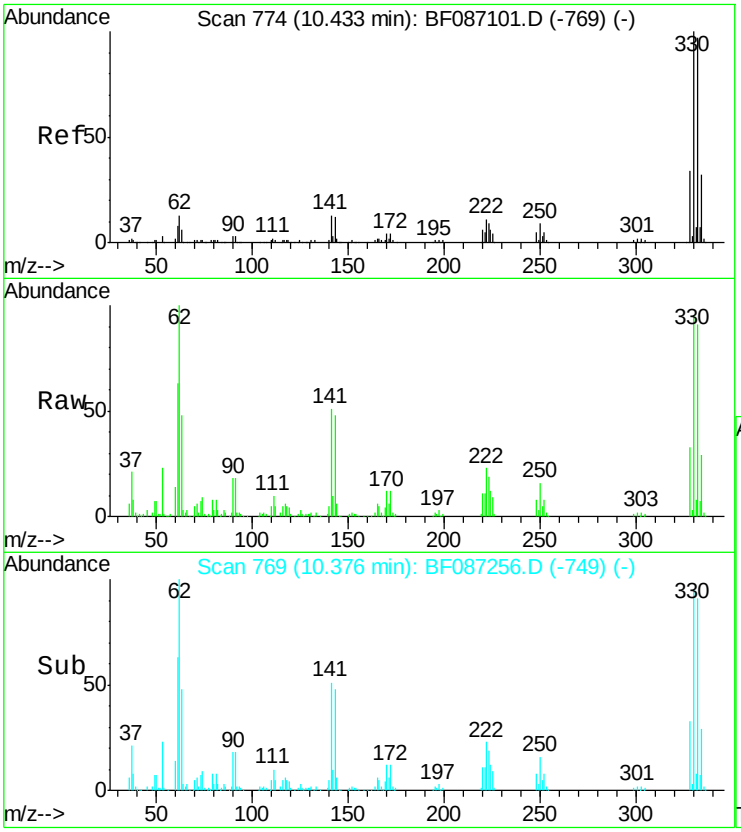


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:164 Resp: 276119

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	46.8	36.9	55.3



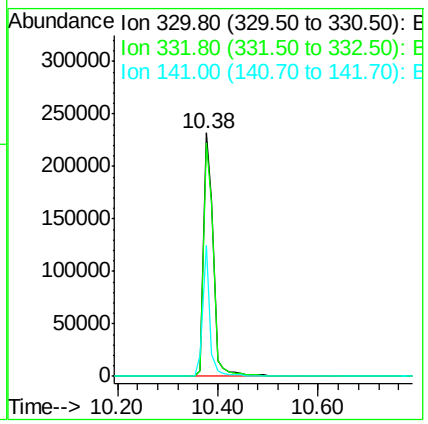


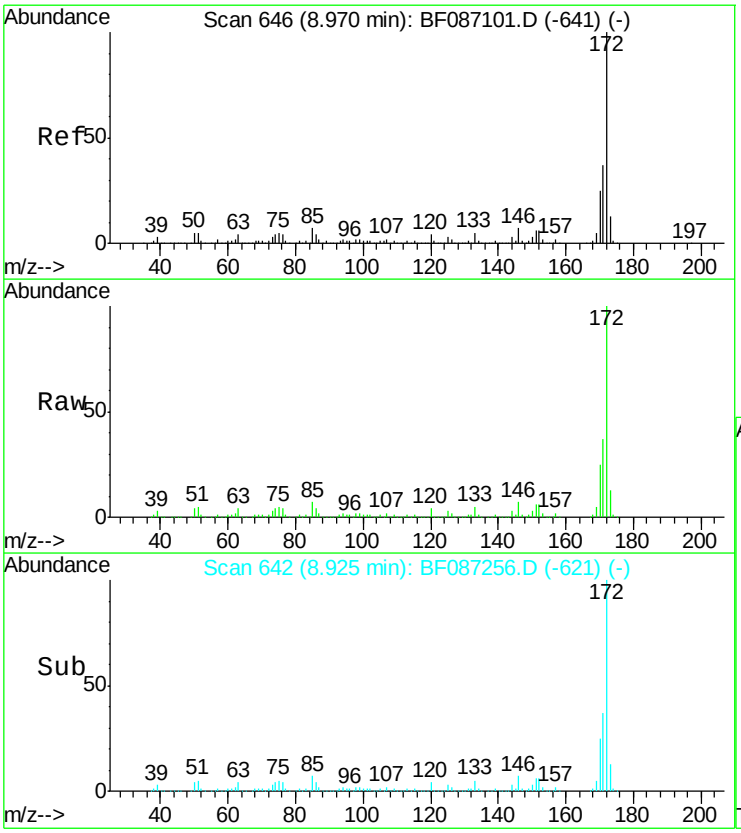
#41
2,4,6-Tribromophenol
Concen: 101.17 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:330 Resp: 308683

Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.0	118.4
141	40.1	31.2	46.8

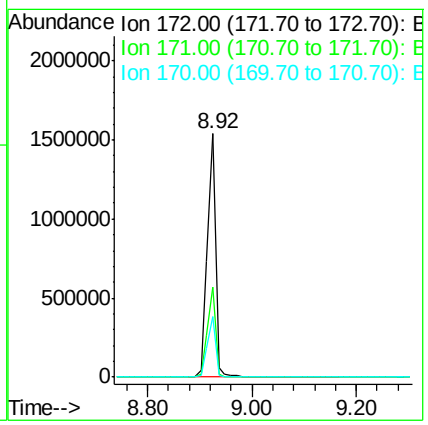


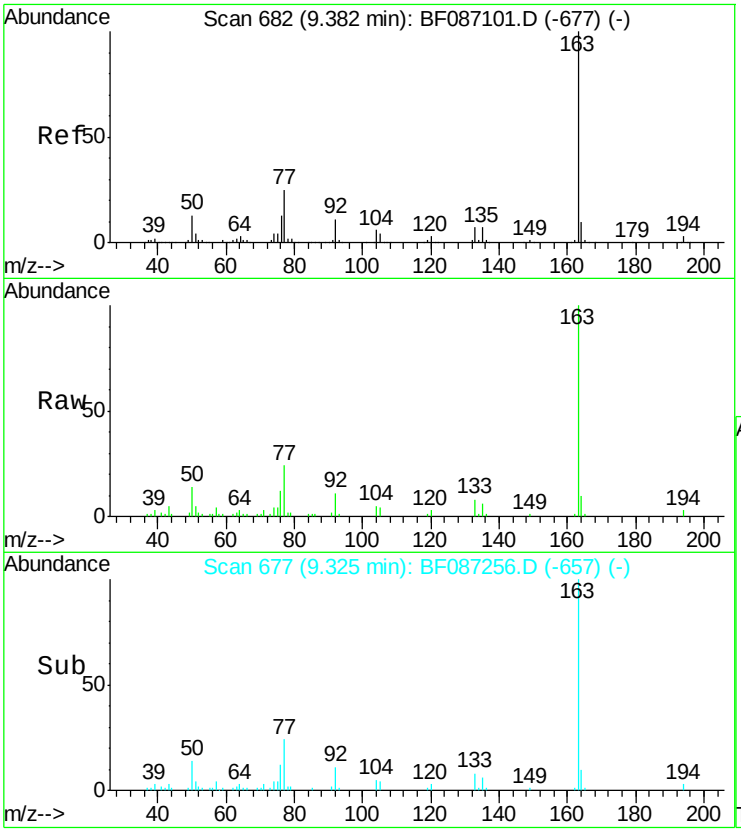


#44
2-Fluorobiphenyl
Concen: 100.53 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:172 Resp: 1676017

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.6
170	24.8	19.8	29.8



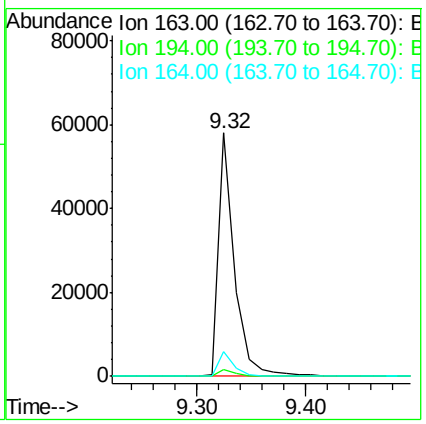


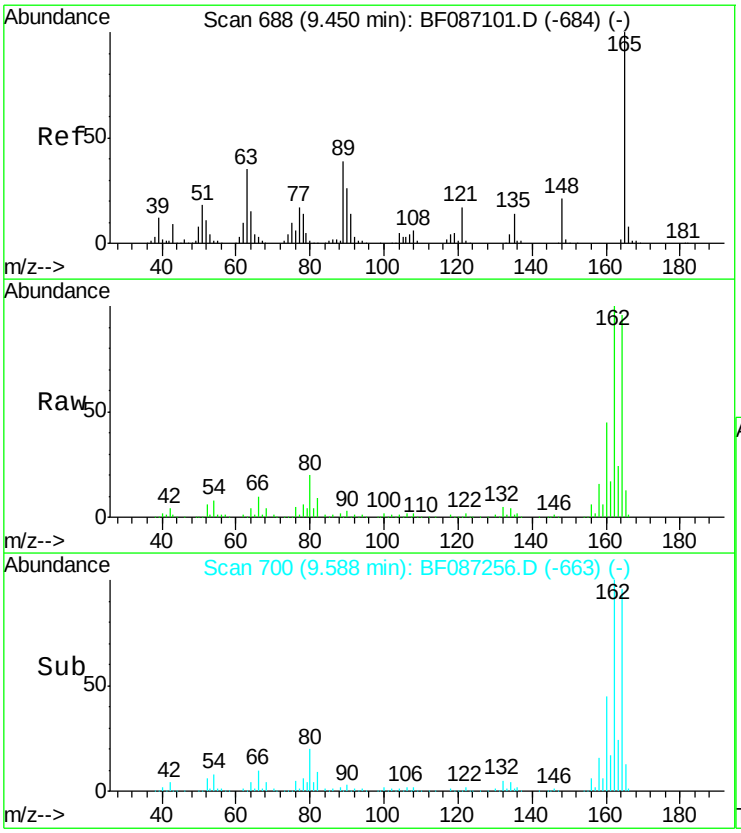
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:163 Resp: 59291

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.1	8.2	12.4

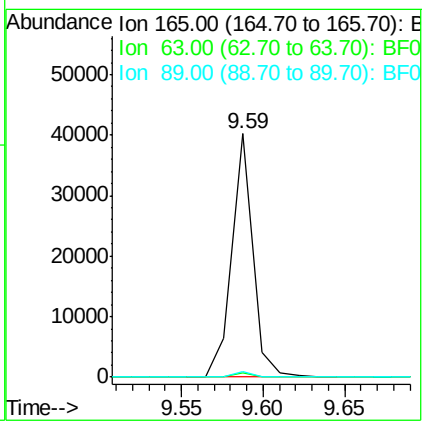


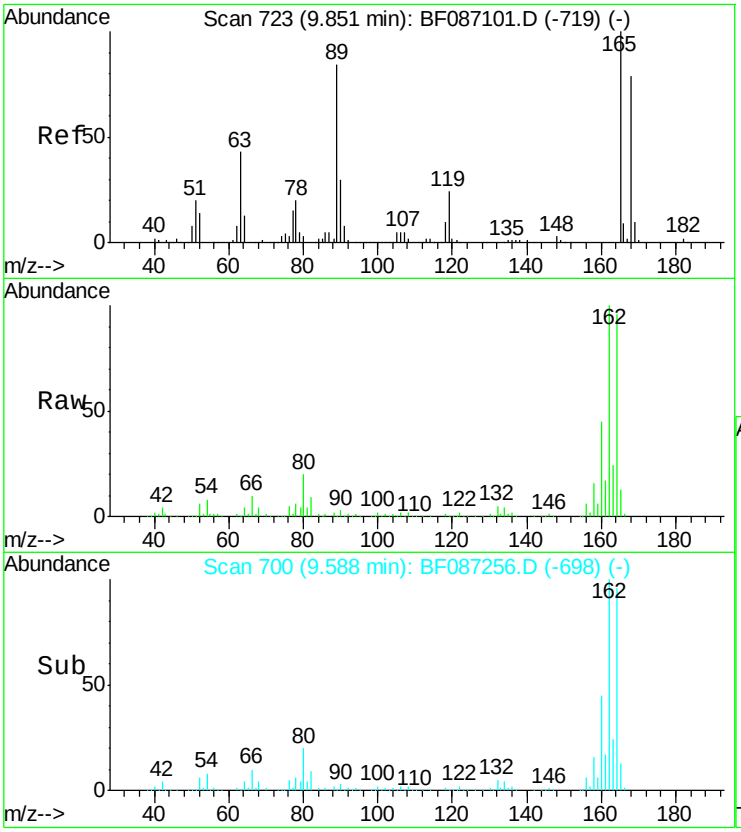


#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.13 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:165 Resp: 35563

Ion	Ratio	Lower	Upper
165	100		
63	1.6	51.8	77.8#
89	2.1	50.7	76.1#



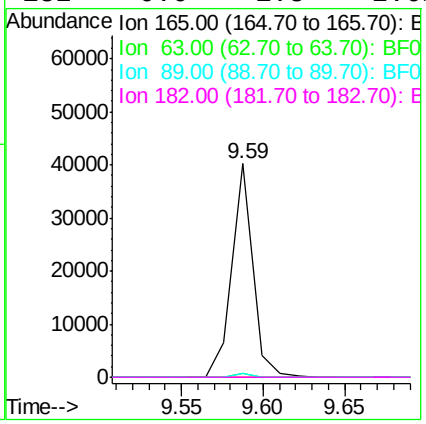


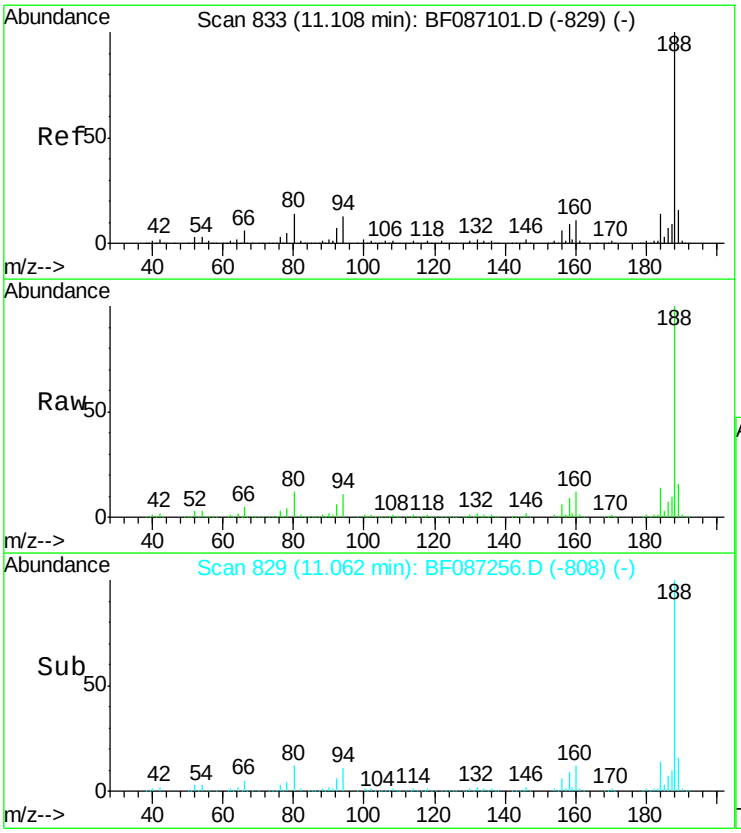
#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.27 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:165 Resp: 35563

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#

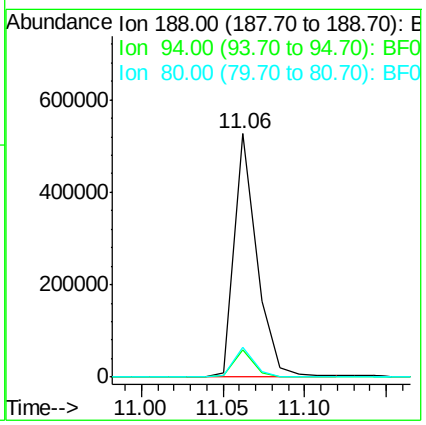


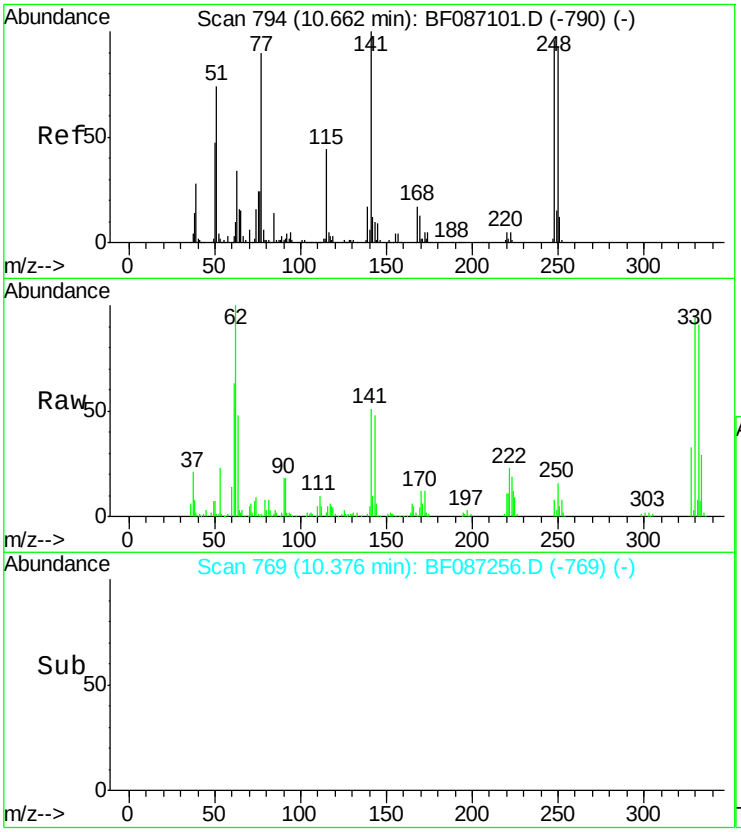


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:188 Resp: 501850

Ion	Ratio	Lower	Upper
188	100		
94	11.3	6.8	10.2#
80	12.5	7.1	10.7#



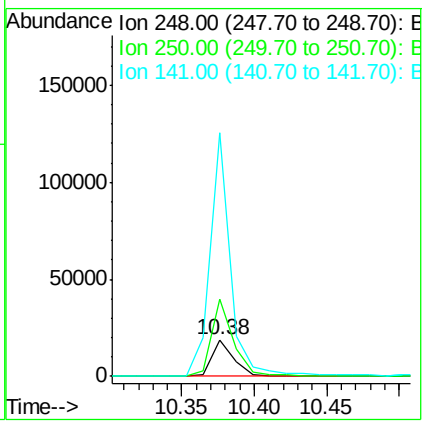


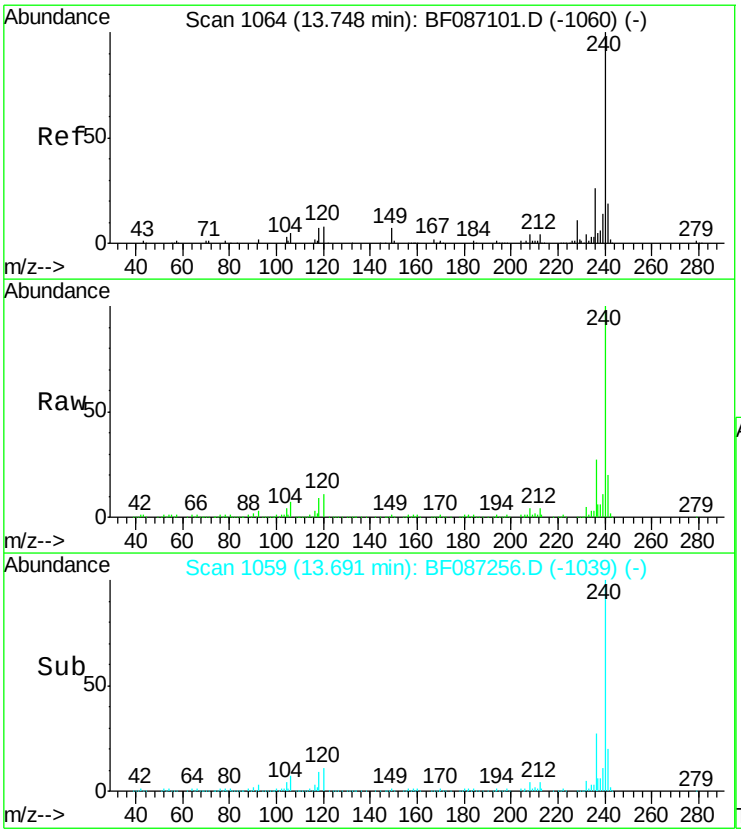
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:248 Resp: 20144

Ion	Ratio	Lower	Upper
248	100		
250	209.2	78.6	117.8#
141	660.2	76.0	114.0#

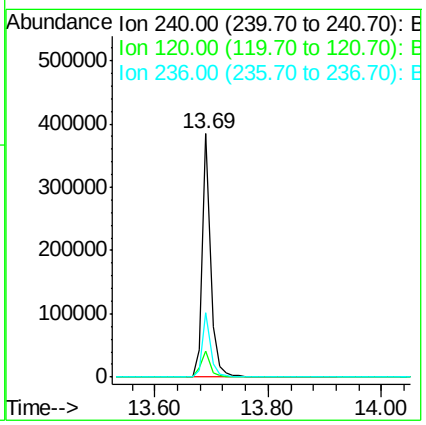


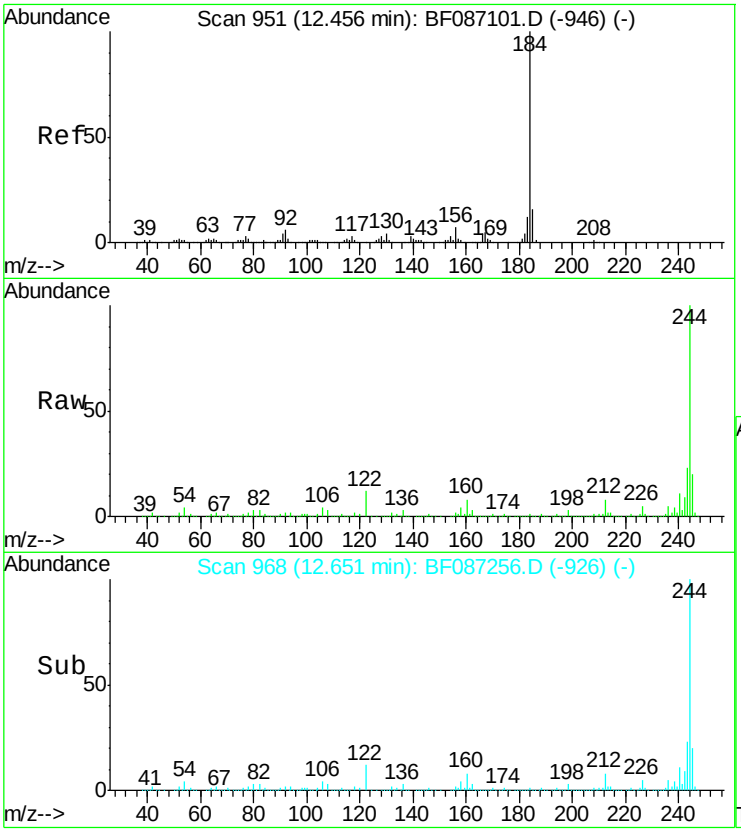


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:240 Resp: 373843

Ion	Ratio	Lower	Upper
240	100		
120	10.6	11.2	16.8#
236	26.6	21.2	31.8



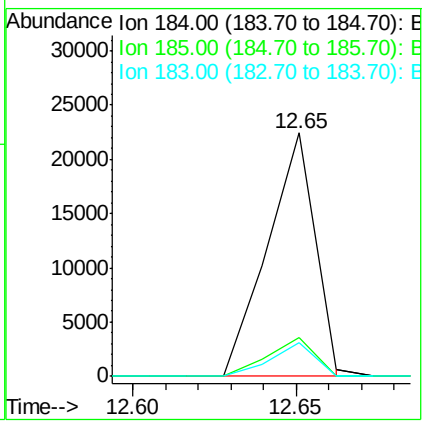


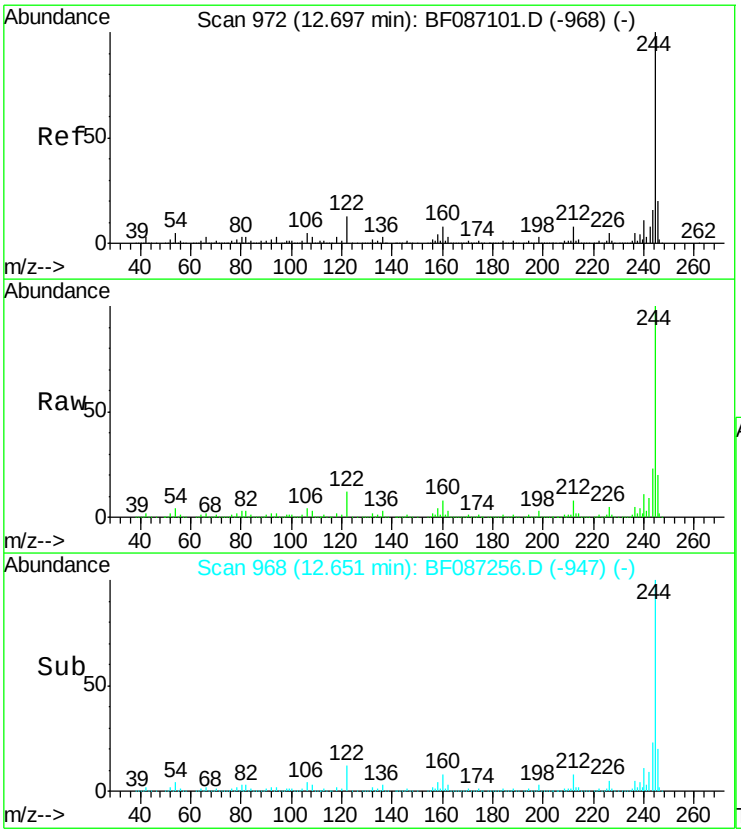
#76
Benzidine
Concen: 2.58 ng
RT: 12.65 min Scan# 968
Delta R.T. 0.18 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:184 Resp: 22812

Ion	Ratio	Lower	Upper
184	100		
185	16.0	13.6	20.4
183	13.9	9.8	14.6

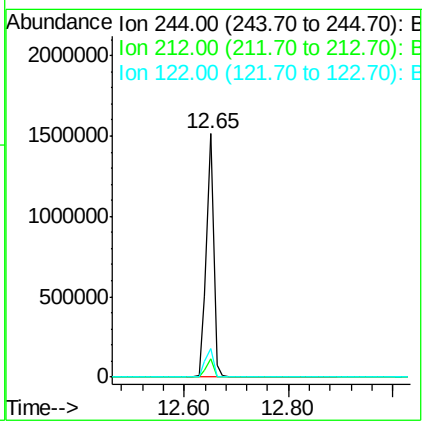


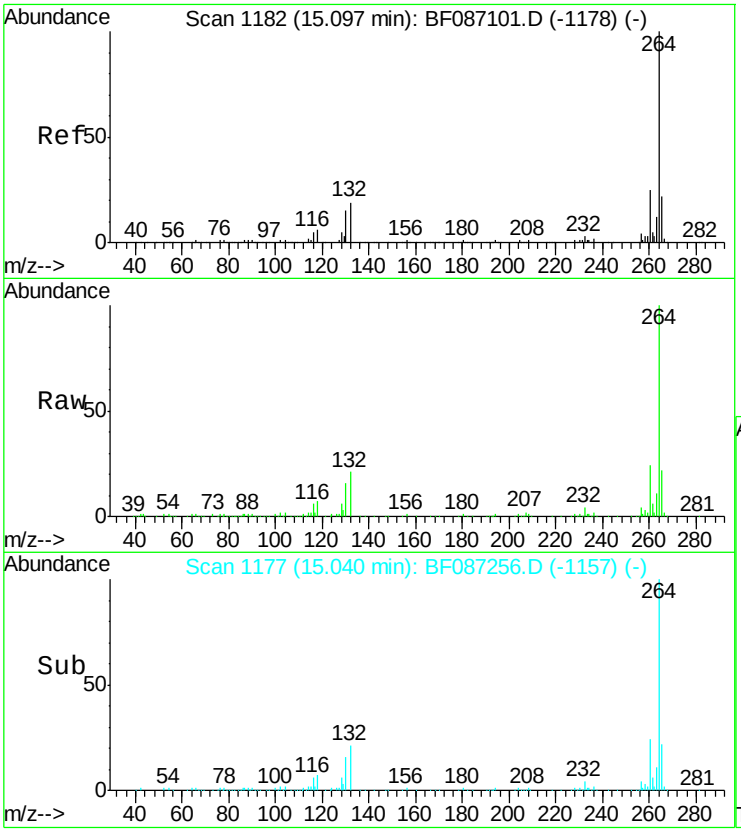


#78
Terphenyl-d14
Concen: 88.36 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:244 Resp: 1460314

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	11.7	12.0	18.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:264 Resp: 272864

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.6	17.3	25.9