Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098394.D
Acq On : 9 Sep 2017 19:07
Operator : SJ/JU
Sample : I5140-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 11 04:14:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	109839	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	423286	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	184026	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	305083	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	252379	20.00	ng	-0.04
86) Perylene-d12	15.23	264	223105	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	767564	106.29	ng	-0.01
7) Phenol-d6	6.33	99	1054423	107.47	ng	-0.02
23) Nitrobenzene-d5	7.25	82	619402	79.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	164487	103.02	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	894376	71.40	ng	-0.04
78) Terphenyl-d14	12.77	244	536147	44.30	ng	-0.04

Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
17) 2-Methylphenol	7.10	107	71815	10.701	ng	#	71
19) n-Nitroso-di-n-propylamine	7.25	70	82711	12.315	ng	#	69
20) 3+4-Methylphenols	7.10	107	71815	8.761	ng	#	59
25) Isophorone	7.25	82	615786	38.007	ng	#	67
31) Naphthalene	7.97	128	82462	3.753	ng		99
32) Benzoic acid	7.77	122	2038	6.763	ng	#	38
49) Dimethylphthalate	9.43	163	152261	11.319	ng		99
56) 2,4-Dinitrotoluene	9.70	165	24112	7.156	ng	#	33
64) 4,6-Dinitro-2-methylphenol	10.50	198	277	8.480	ng	#	1
66) 4-Bromophenyl-phenylether	10.50	248	10737	3.389	ng	#	1
70) Phenanthrene	11.21	178	41283	2.539	ng		99
74) Fluoranthene	12.40	202	60205	3.548	ng		99
77) Pyrene	12.62	202	57111	2.767	ng		97
80) Benzo(a)anthracene	13.81	228	31977	2.114	ng	#	91
87) Benzo(b)fluoranthene	14.83	252	47043	3.345	ng	#	87
88) Benzo(k)fluoranthene	14.83	252	47043	3.561	ng	#	92
89) Benzo(a)pyrene	15.16	252	26244	2.108	ng	#	90

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

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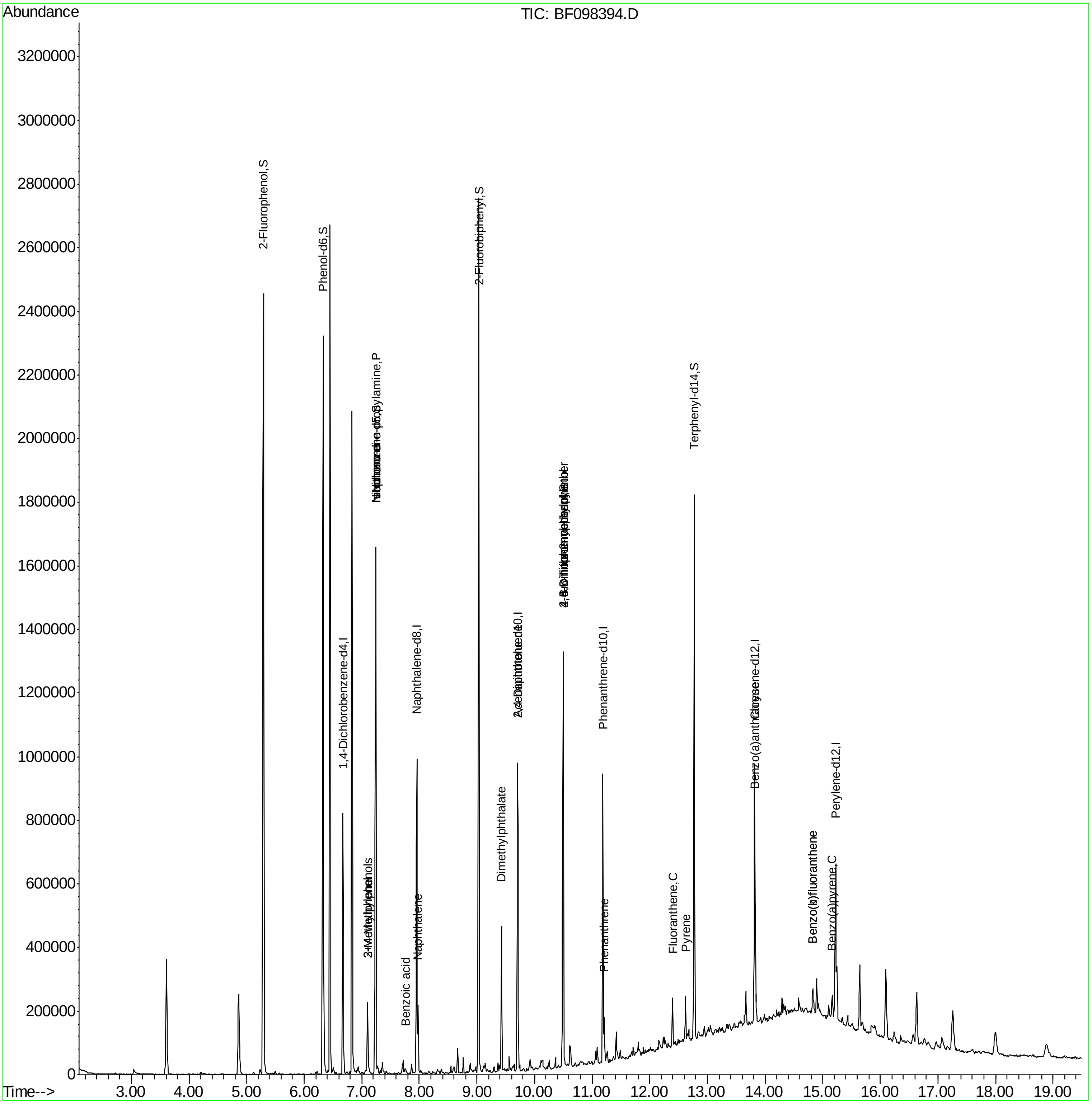
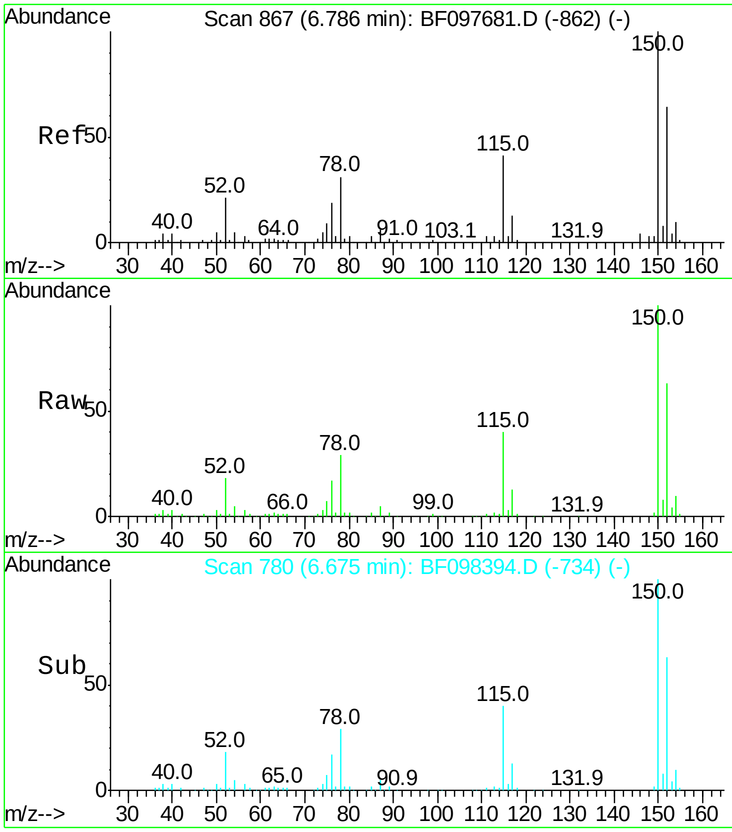


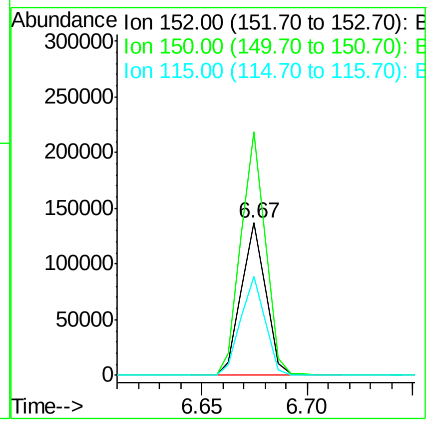


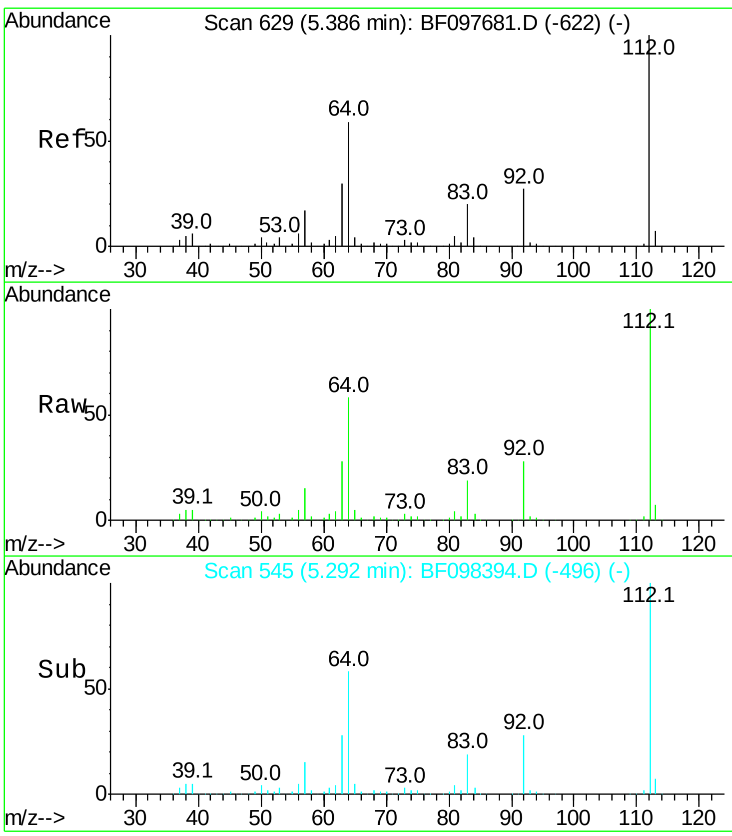
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 109839

Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	64.6	52.2	78.2

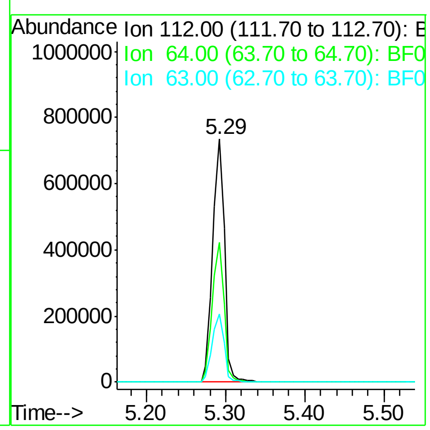


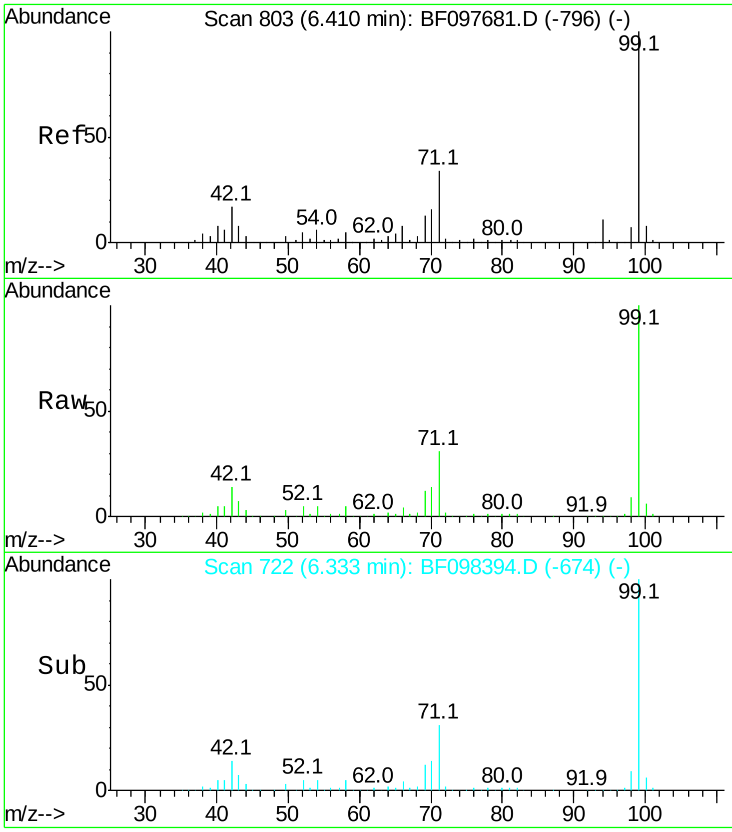


#5
2-Fluorophenol
Concen: 106.294 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:112 Resp: 767564

Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	28.3	23.4	35.0



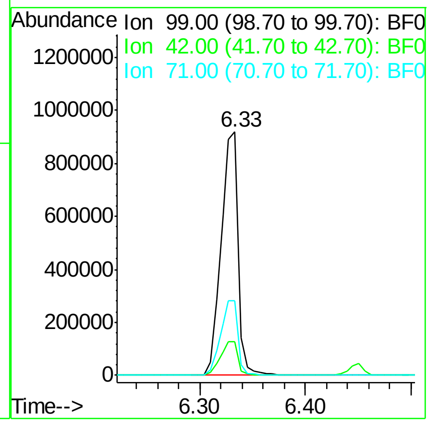


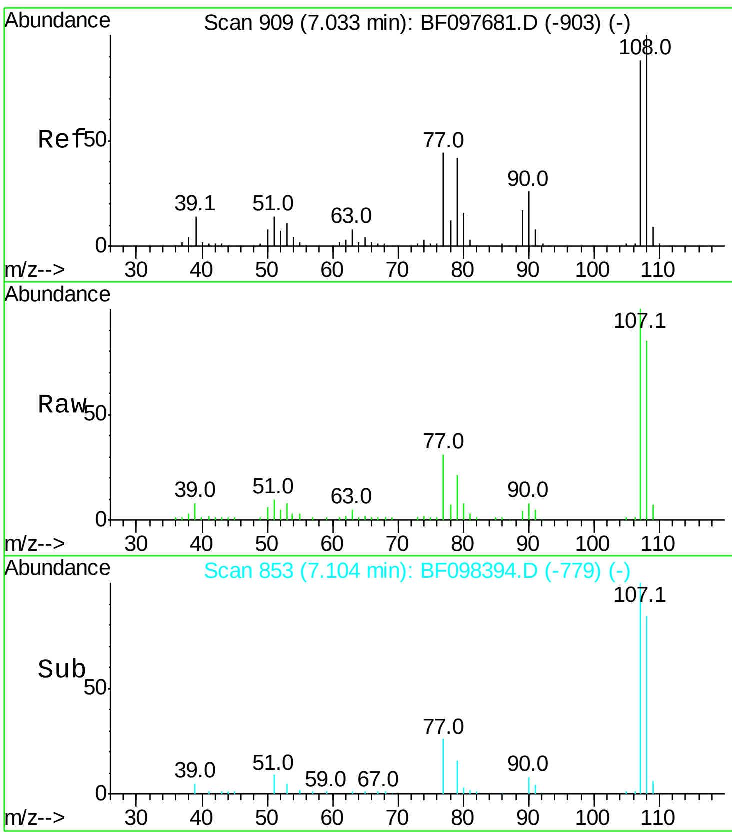
#7
Phenol-d6
Concen: 107.468 ng
RT: 6.33 min   Scan# 722
Delta R.T.   -0.02 min
Lab File: BF098394.D
Acq: 9 Sep 2017   19:07

Instrument : BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1054423

Ion	Ratio	Lower	Upper
99	100		
42	13.6	13.5	20.3
71	30.5	24.5	36.7

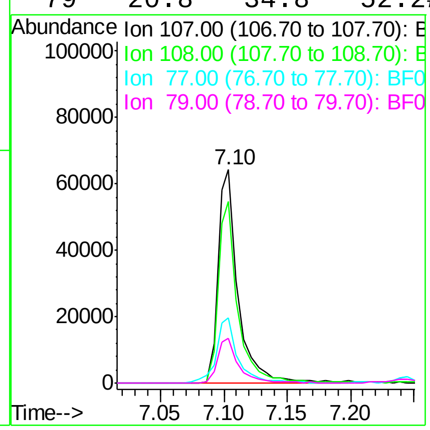


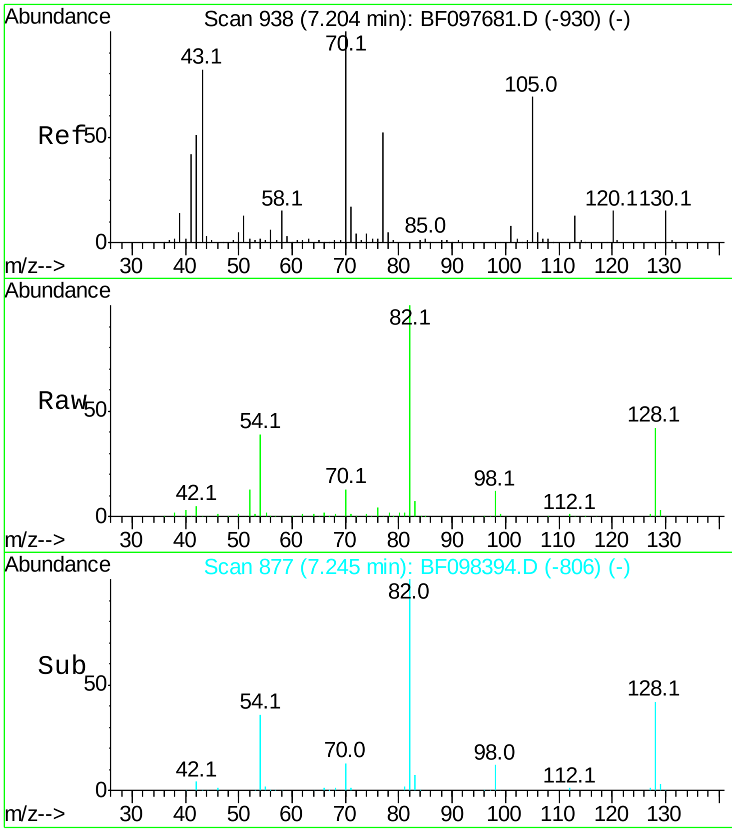


#17
2-Methylphenol
Concen: 10.701 ng
RT: 7.10 min   Scan# 853
Delta R.T.   0.14 min
Lab File: BF098394.D
Acq: 9 Sep 2017   19:07

Tgt Ion:107 Resp: 71815

Ion	Ratio	Lower	Upper
107	100		
108	84.8	93.4	140.0#
77	30.7	35.8	53.6#
79	20.8	34.8	52.2#



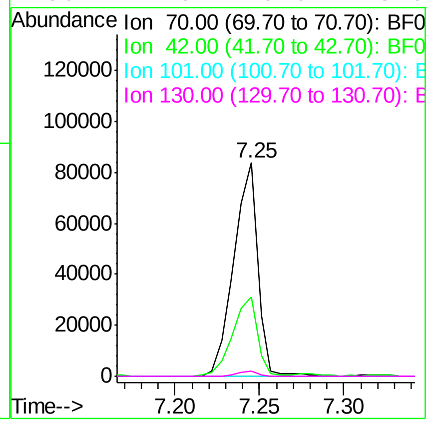


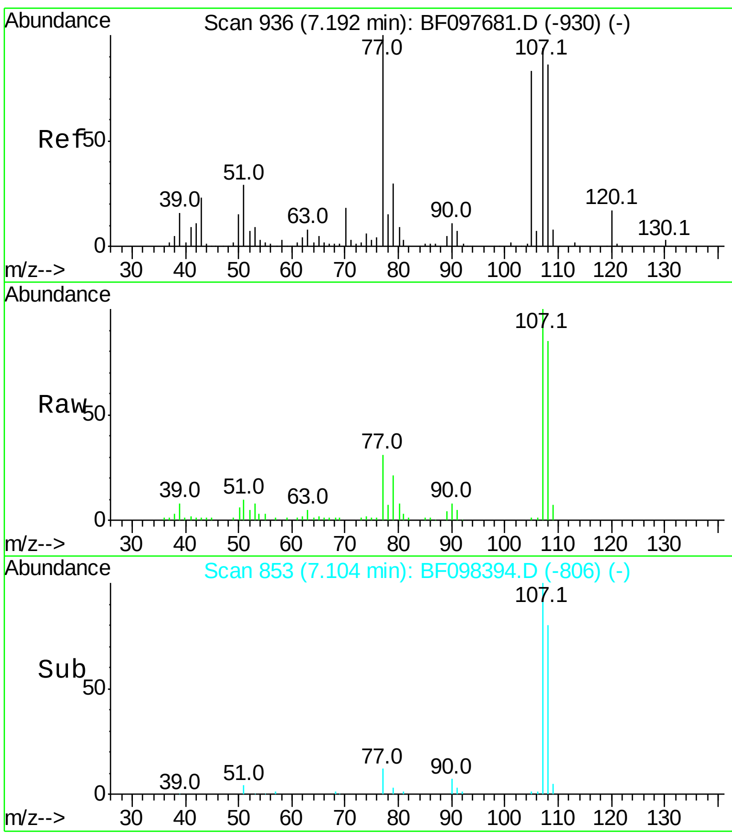
#19
n-Nitroso-di-n-propylamine
Concen: 12.315 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.12 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument : BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 82711

Ion	Ratio	Lower	Upper
70	100		
42	37.0	47.2	70.8#
101	0.0	7.2	10.8#
130	2.3	15.9	23.9#

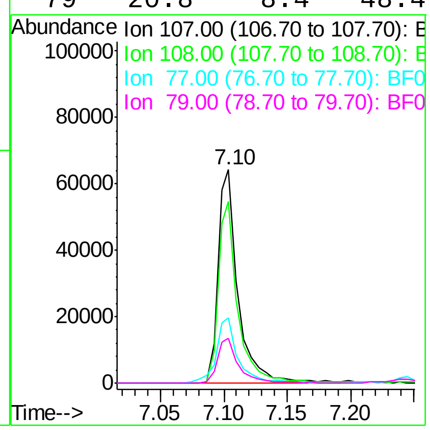


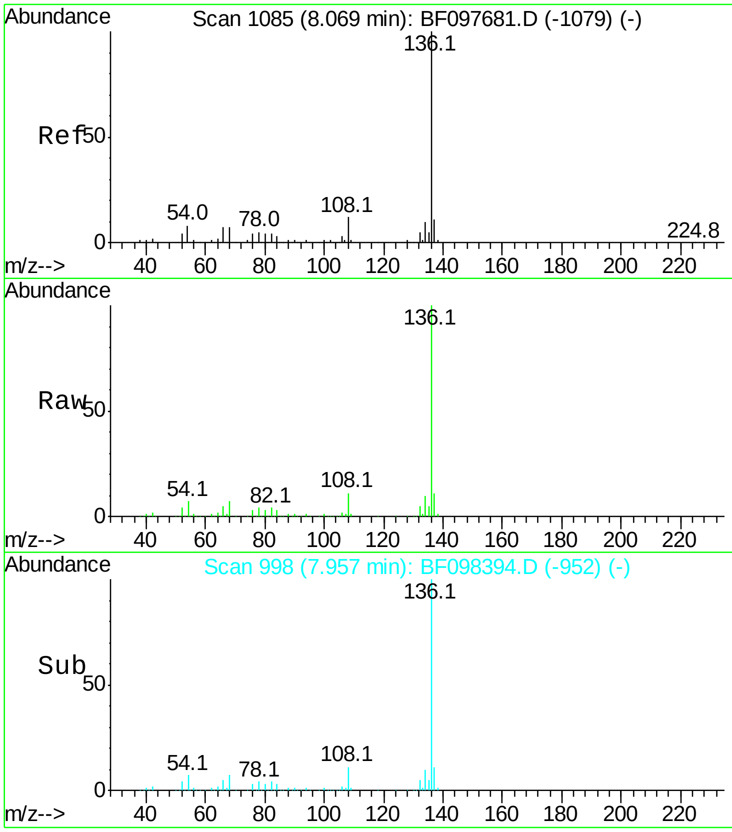


#20
3+4-Methylphenols
Concen: 8.761 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:107 Resp: 71815

Ion	Ratio	Lower	Upper
107	100		
108	84.8	71.0	111.0
77	30.7	90.5	130.5#
79	20.8	8.4	48.4



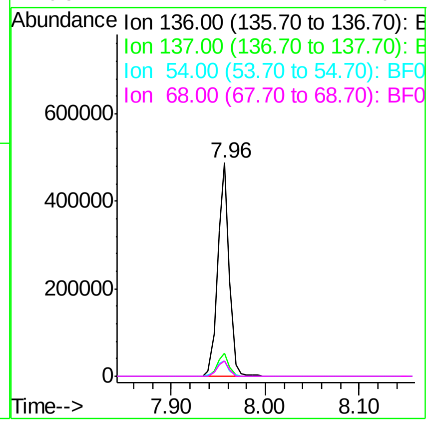


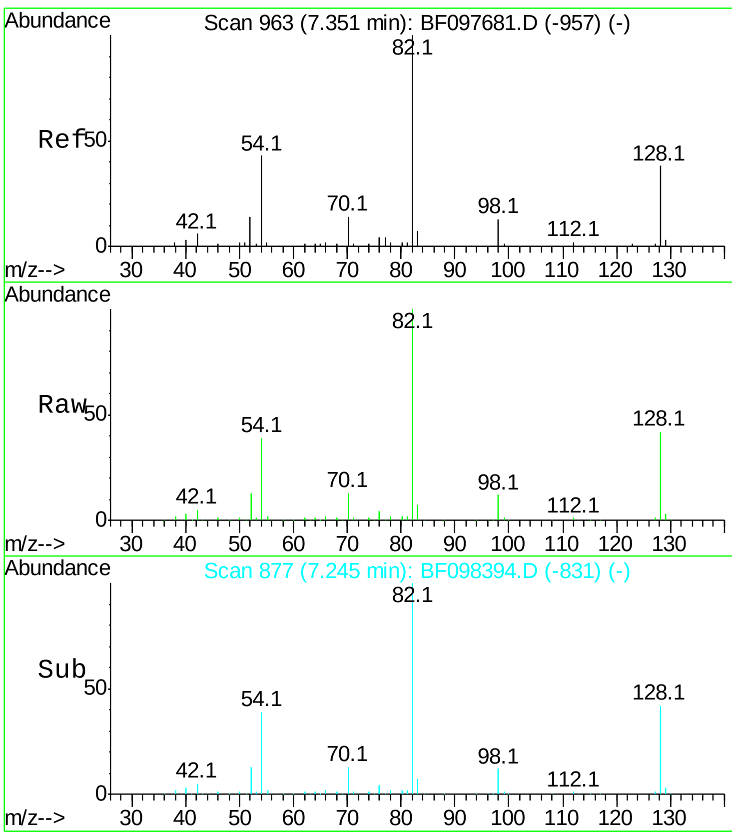
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 423286

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.0	4.9	7.3
68	7.2	4.1	6.1#

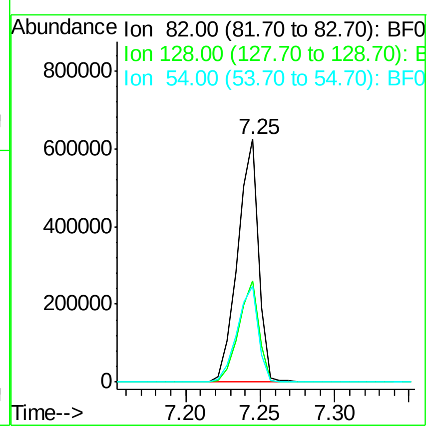


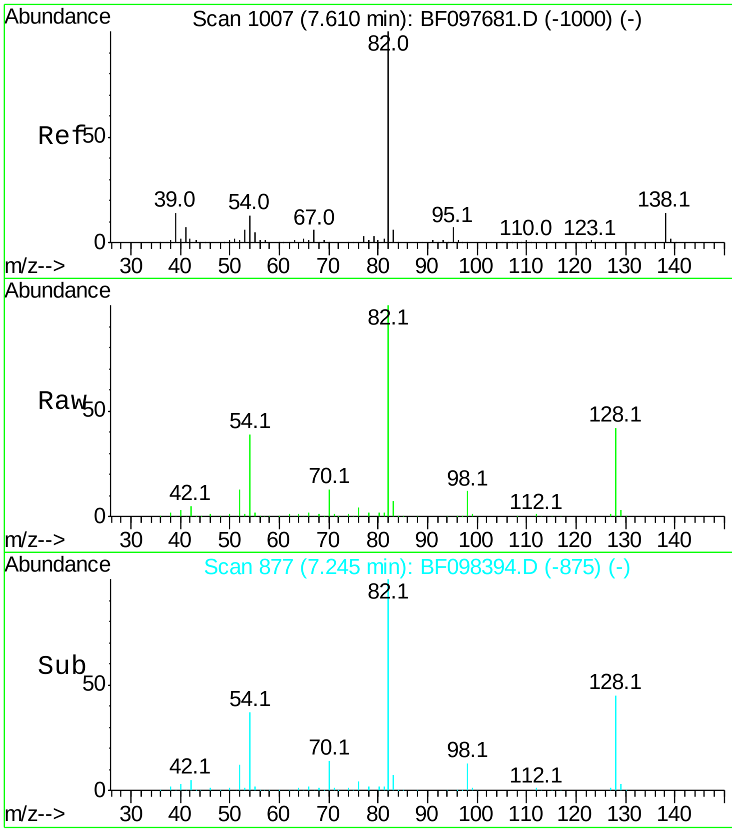


#23
Nitrobenzene-d5
Concen: 79.494 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion: 82 Resp: 619402

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	39.4	42.2	63.2#



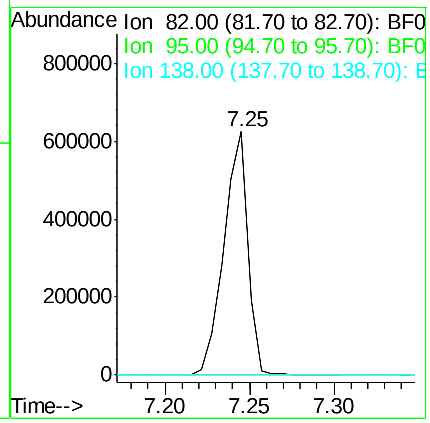


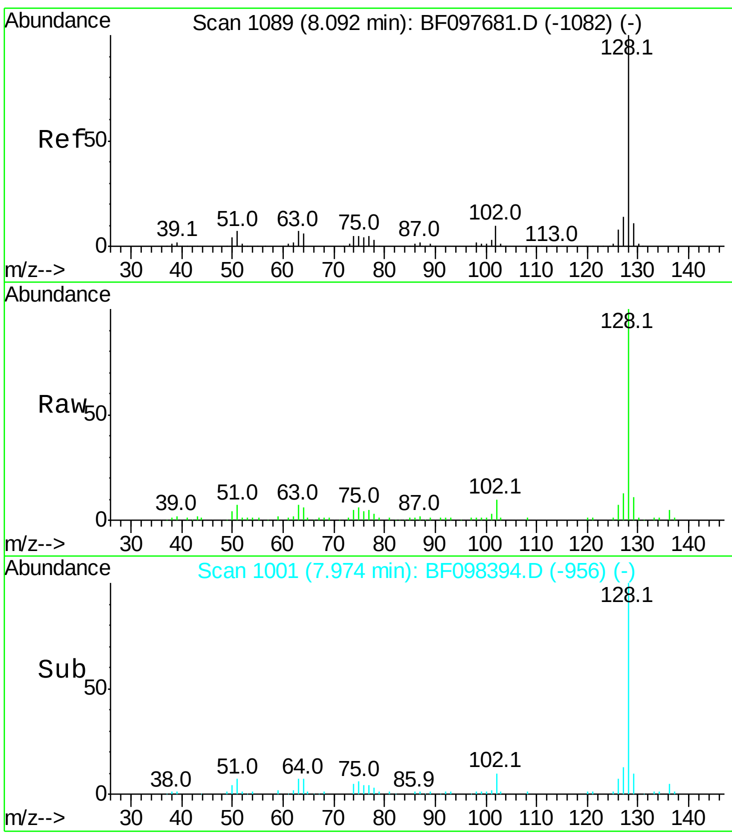
#25
Isophorone
Concen: 38.007 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.29 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 615786

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

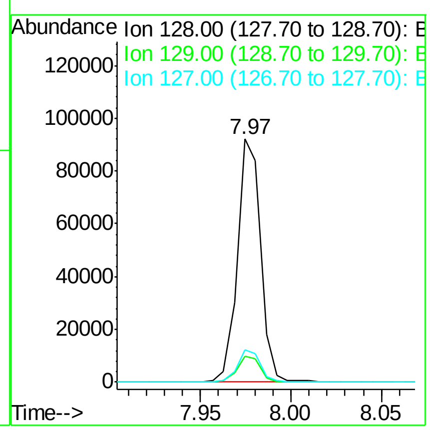


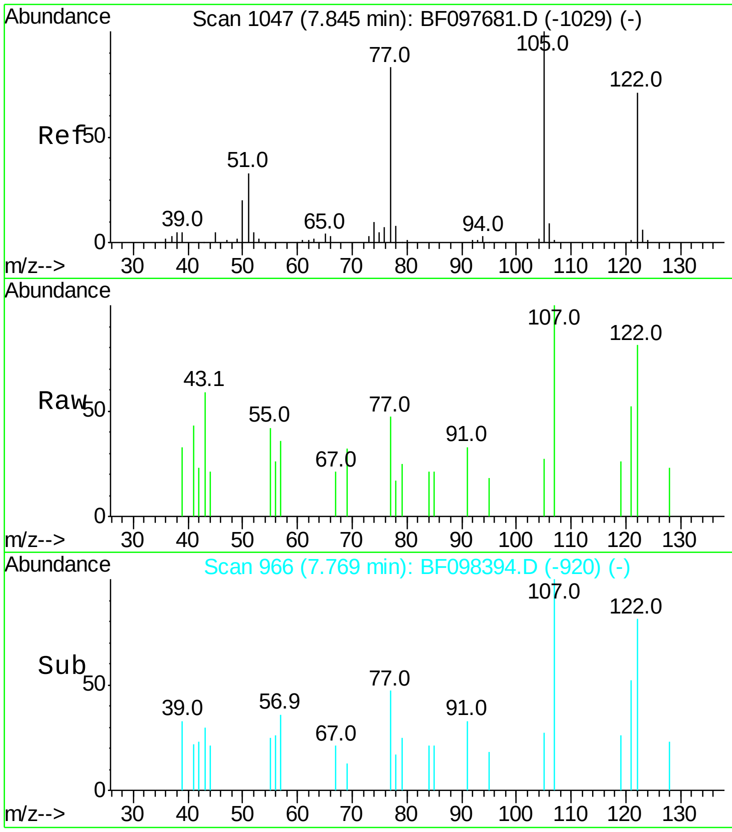


#31
Naphthalene
Concen: 3.753 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:128 Resp: 82462

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.4	10.8	16.2



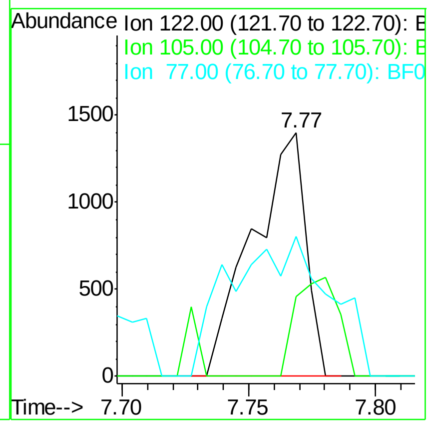


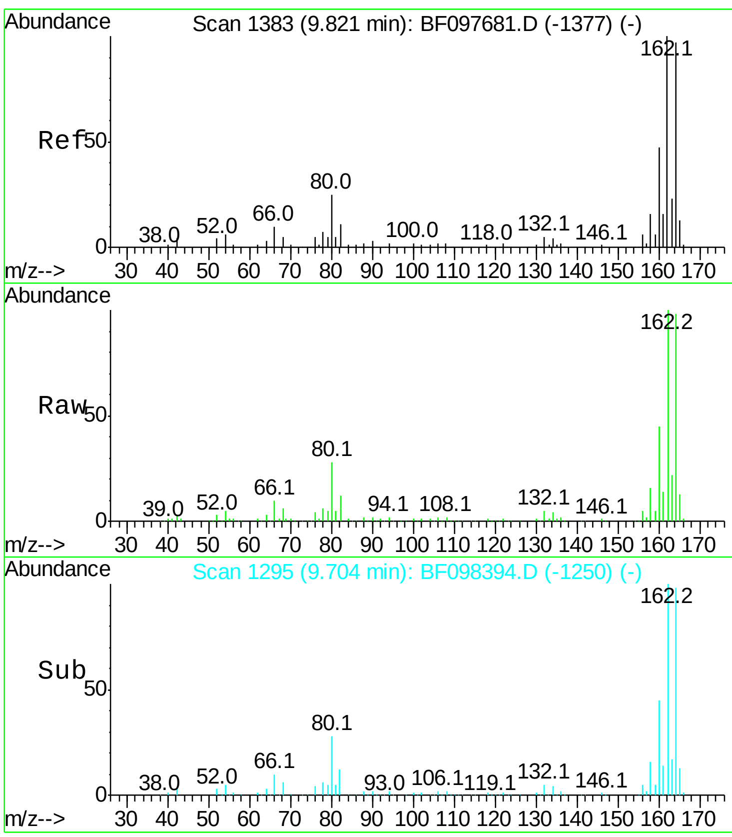
#32
Benzoic acid
Concen: 6.763 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.03 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 2038

Ion	Ratio	Lower	Upper
122	100		
105	32.9	103.3	143.3#
77	57.5	73.7	113.7#

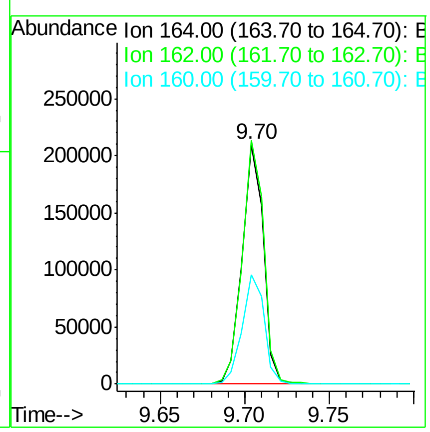


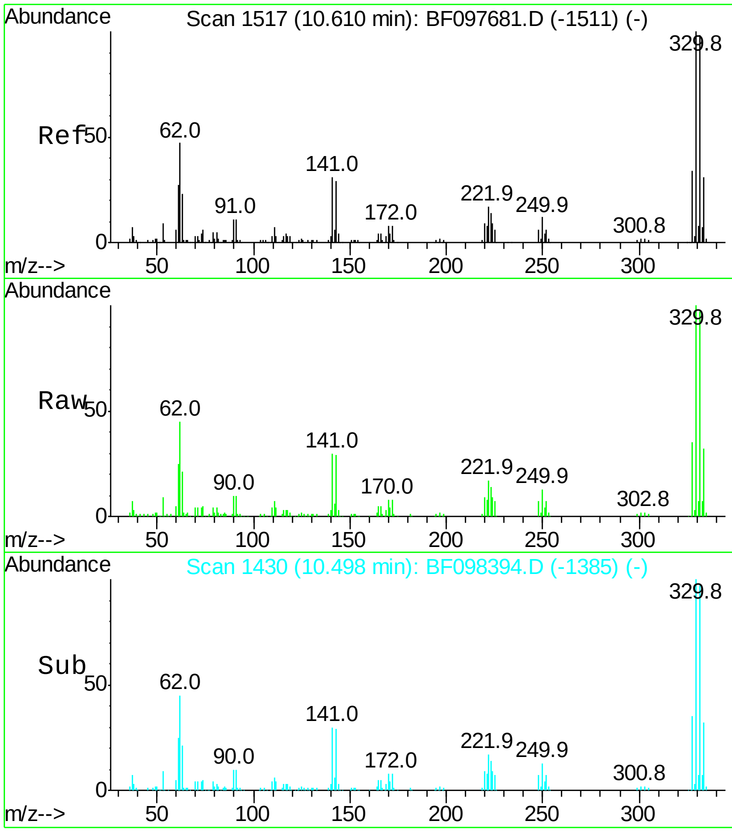


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:164 Resp: 184026

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	45.8	36.2	54.2



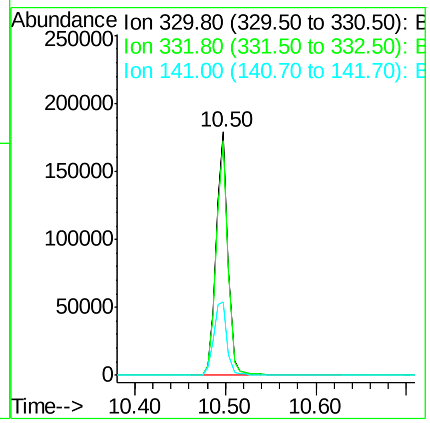


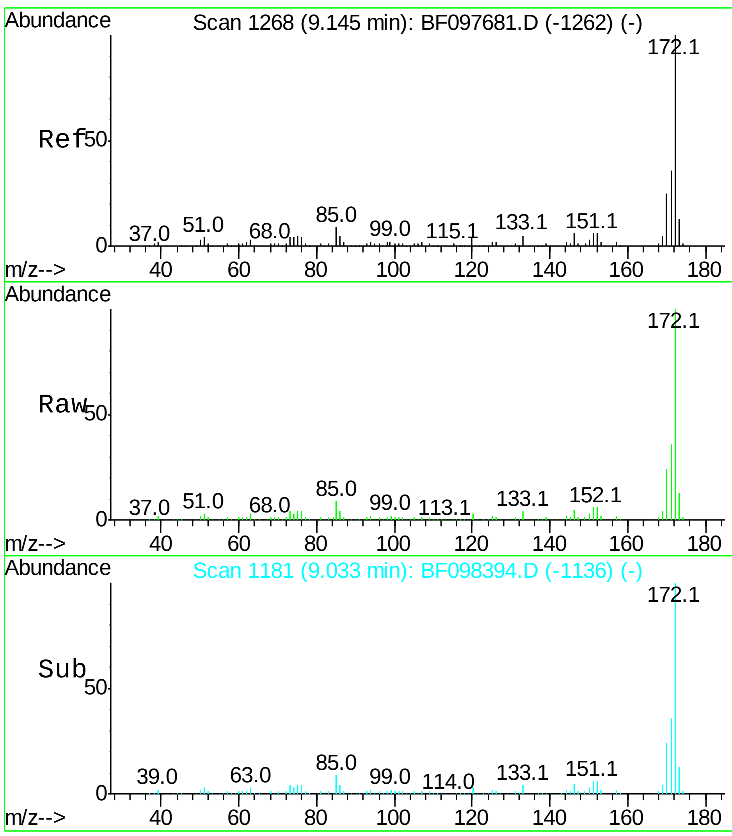
#41
2,4,6-Tribromophenol
Concen: 103.015 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 164487

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	34.4	31.4	47.2

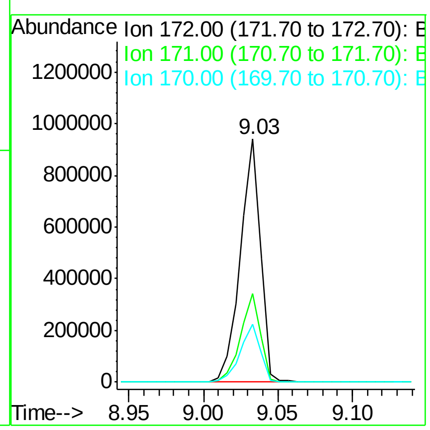


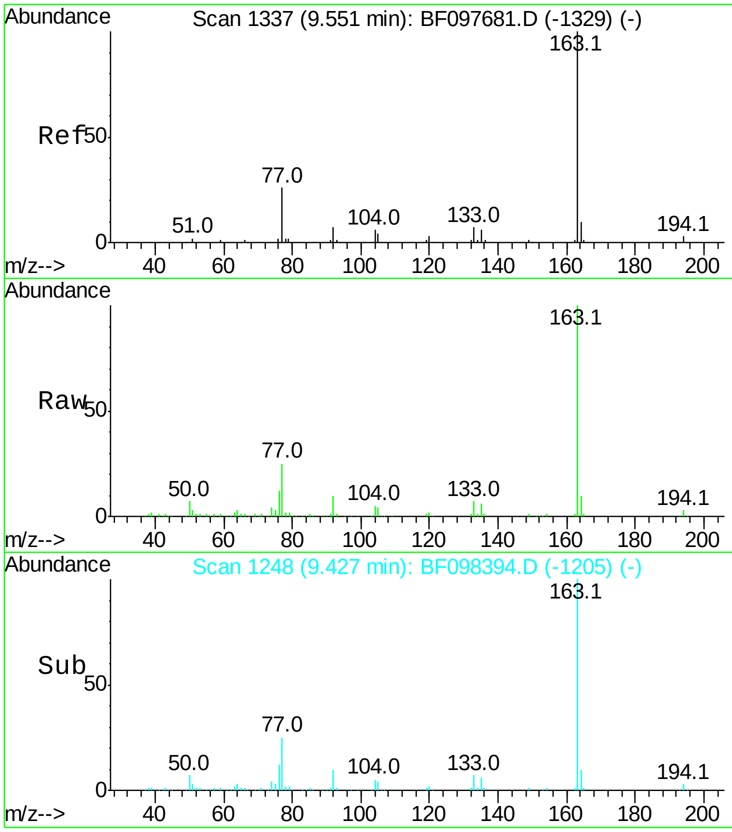


#44
2-Fluorobiphenyl
Concen: 71.404 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:172 Resp: 894376

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.7	19.8	29.8



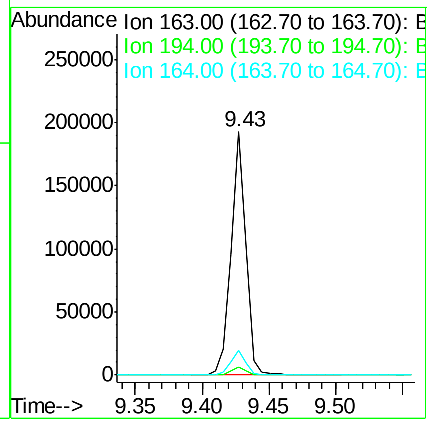


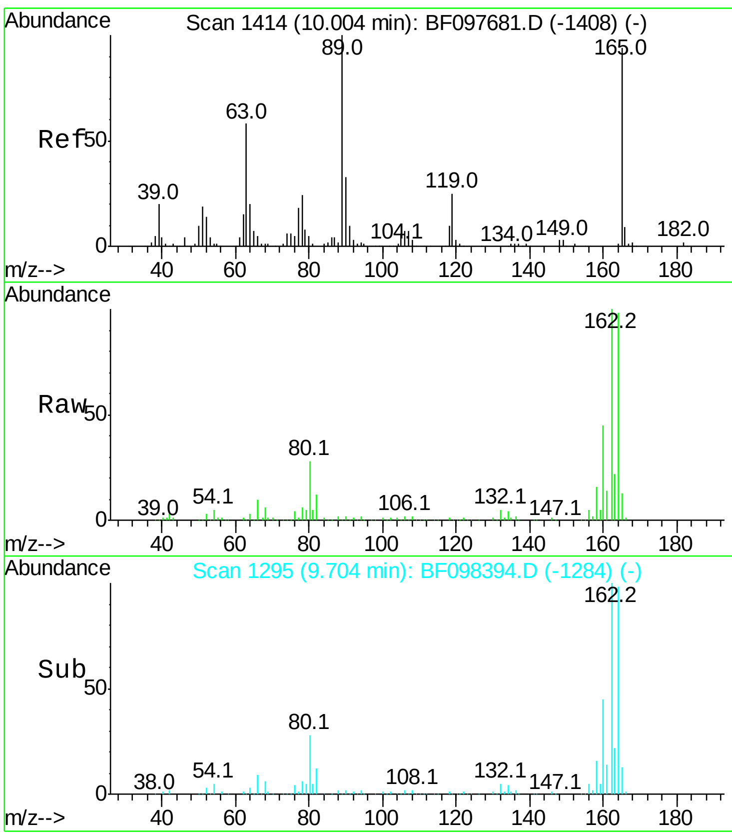
#49
Dimethylphthalate
Concen: 11.319 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 152261

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.3	8.4	12.6

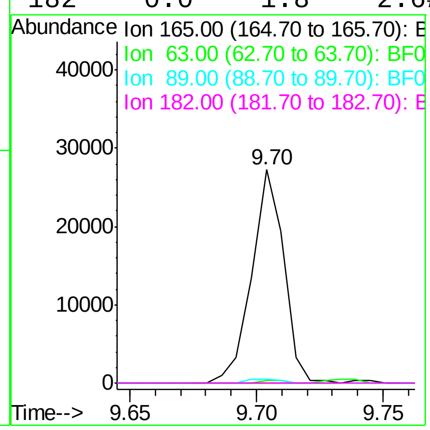


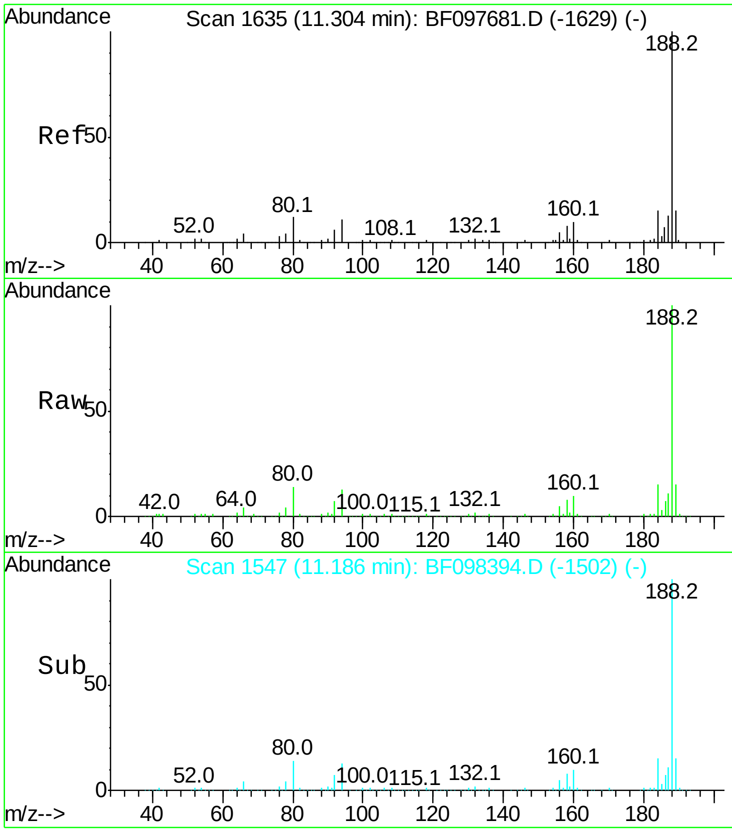


#56
2,4-Dinitrotoluene
Concen: 7.156 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.24 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:165 Resp: 24112

Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



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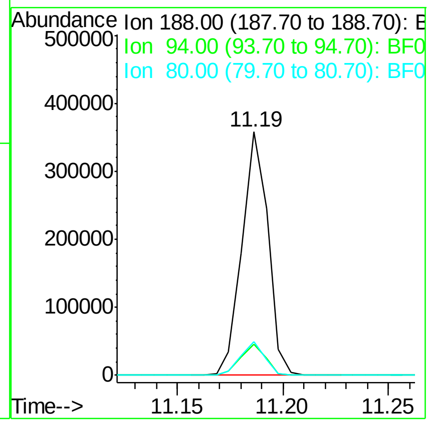
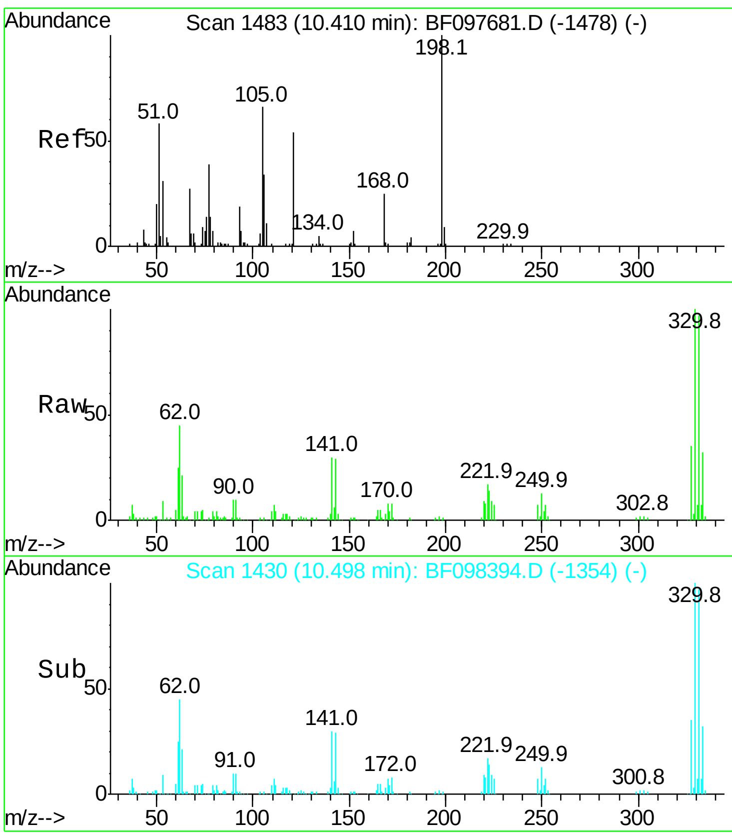
#63
Phenanthrene-d10
Concen:   20.000 ng
RT: 11.19 min  Scan# 1547
Delta R.T.   -0.04 min
Lab File:   BF098394.D
Acq:  9 Sep 2017  19:07

Tgt Ion:188 Resp:  305083
Ion  Ratio  Lower  Upper
188  100
 94   12.8    9.4   14.2
 80   13.9   10.2   15.2
```

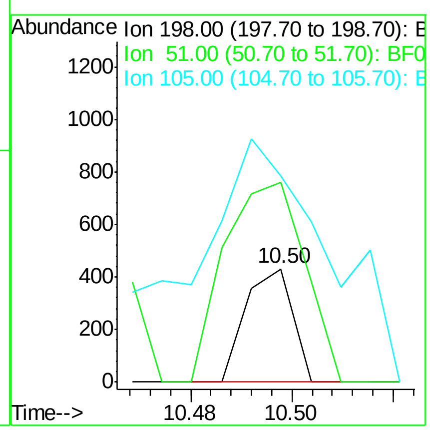
Instrument :
BNA_F
ClientSampleId :

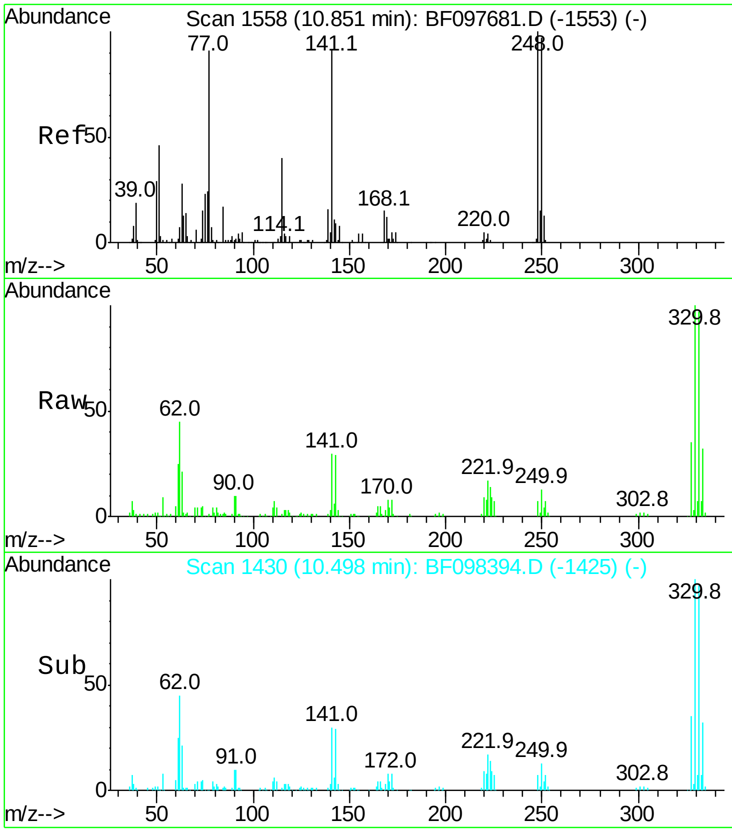





```
#64
4,6-Dinitro-2-methylphenol
Concen:    8.480 ng
RT: 10.50 min  Scan# 1430
Delta R.T.   0.15 min
Lab File:   BF098394.D
Acq:  9 Sep 2017  19:07

Tgt Ion:198 Resp:     277
Ion  Ratio  Lower  Upper
198  100
 51  175.9   53.2   93.2#
105  182.1   45.8   85.8#
```

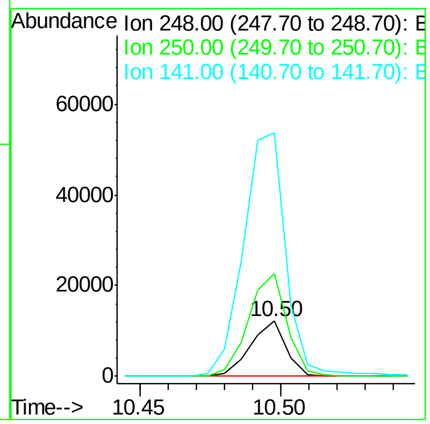


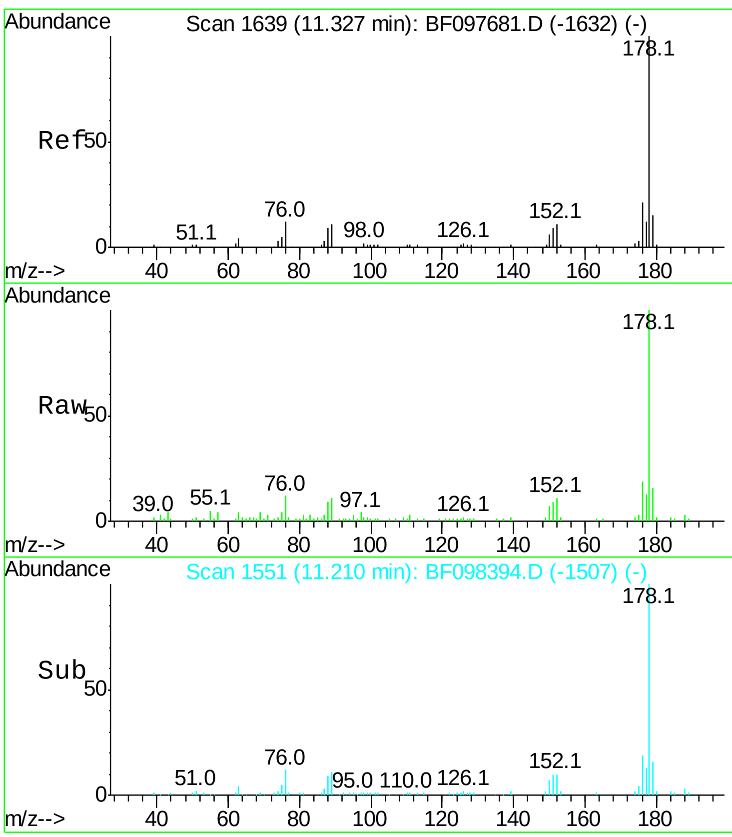


#66
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.27 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

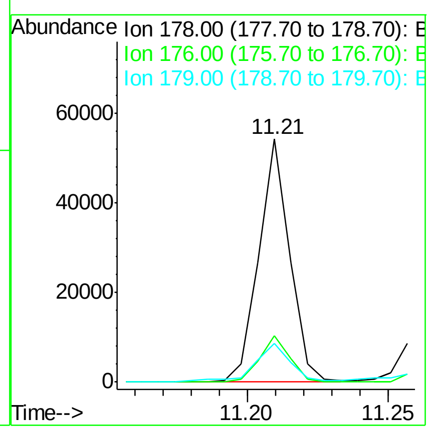
Tgt	Ion:248	Resp:	10737
Ion	Ratio	Lower	Upper
248	100		
250	186.0	76.8	115.2#
141	439.5	68.6	103.0#

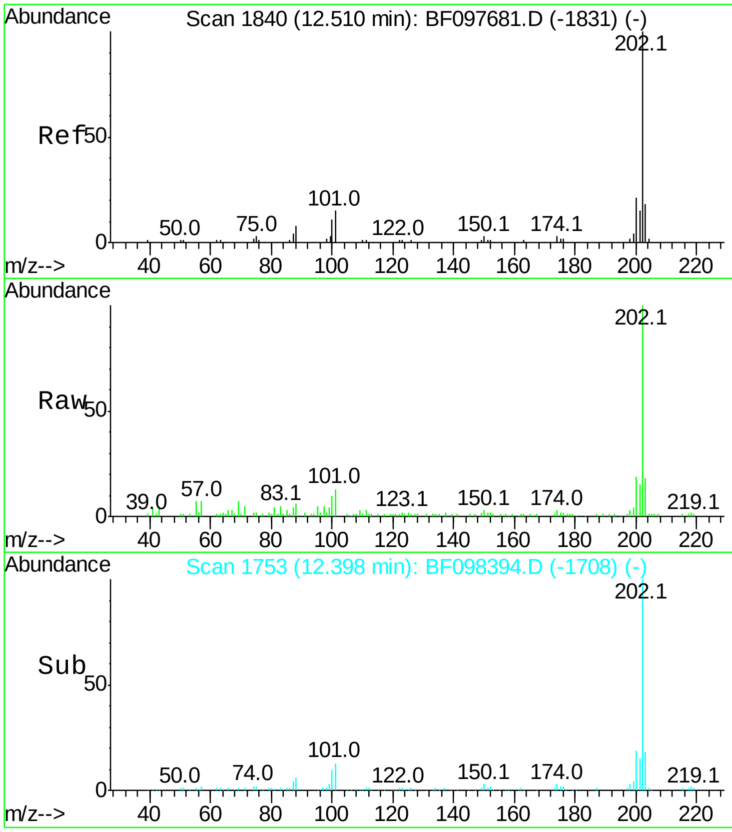




#70
Phenanthrene
Concen: 2.539 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt	Ion:178	Resp:	41283
Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.7	12.6	19.0



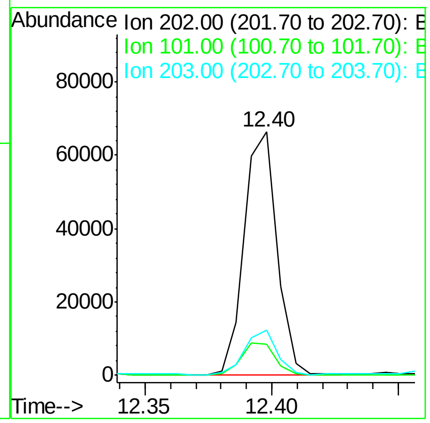


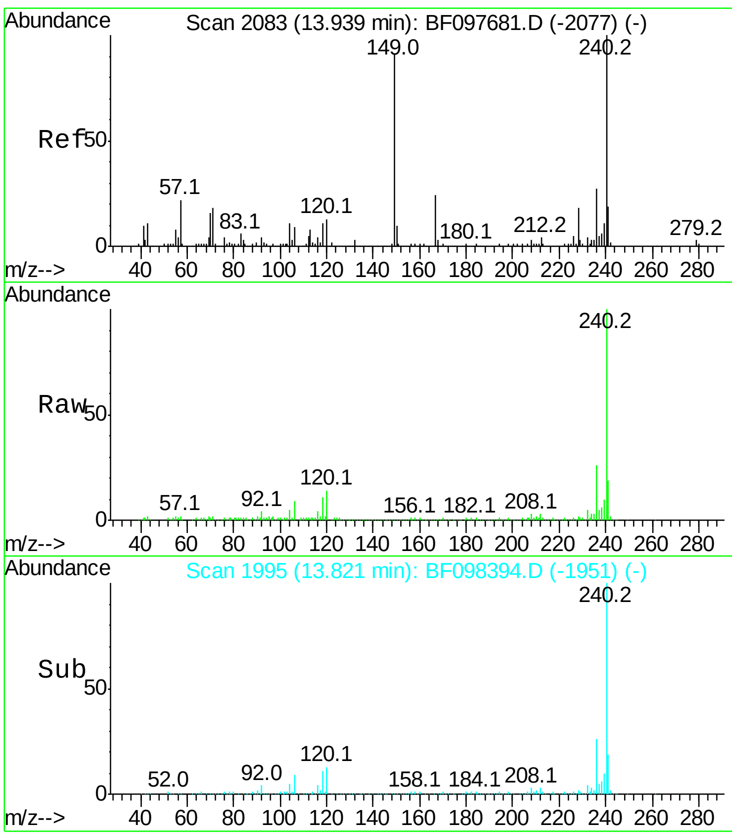
#74
Fluoranthene
Concen: 3.548 ng
RT: 12.40 min Scan# 1753
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 60205

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.5	0.0	38.1

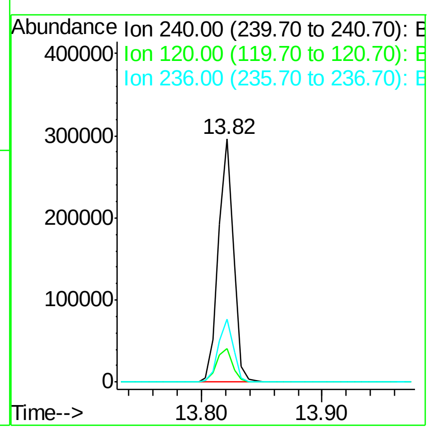


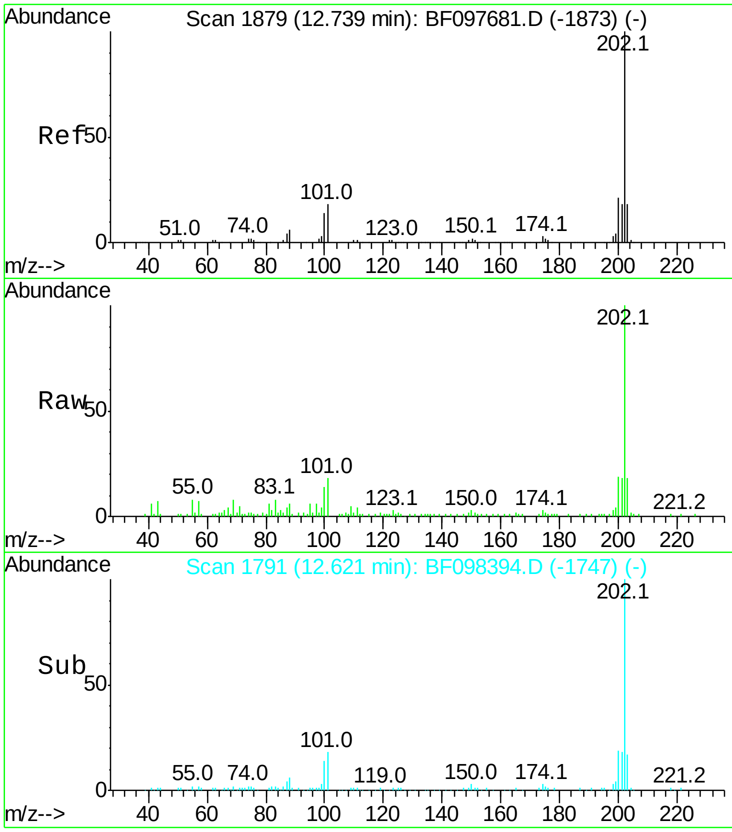


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:240 Resp: 252379

Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	25.8	20.5	30.7



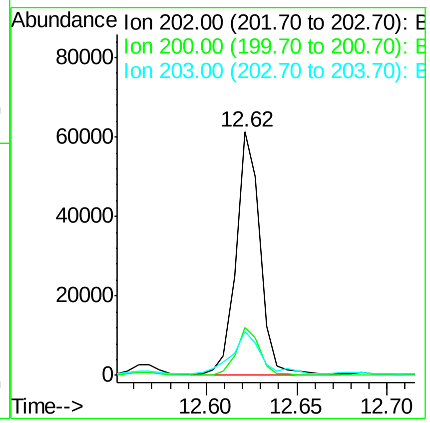


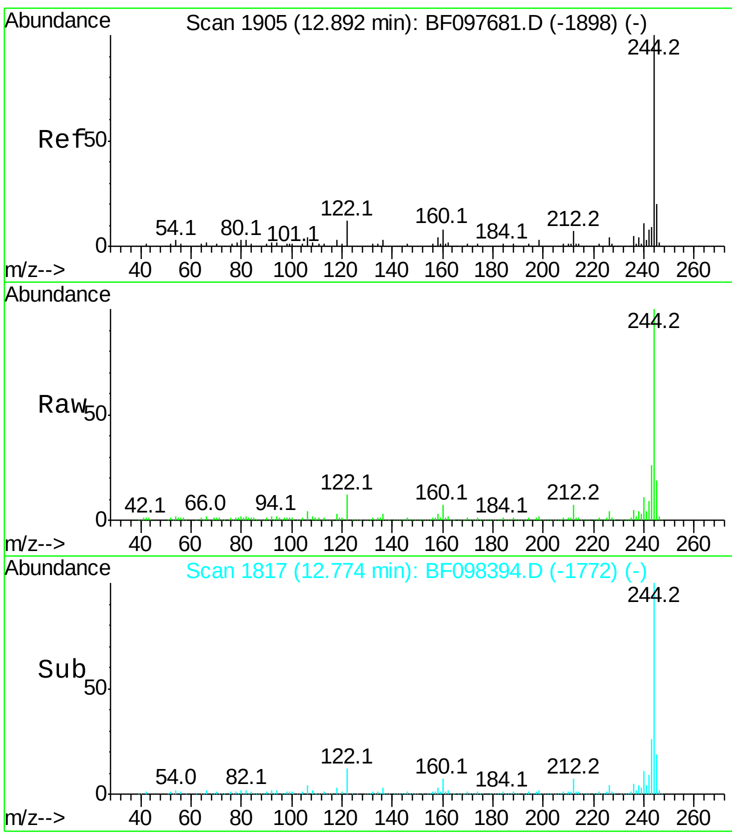
#77
Pyrene
Concen: 2.767 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 57111

Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.6	26.4
203	17.8	14.4	21.6

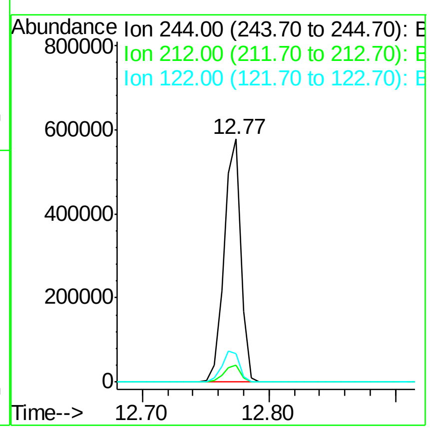


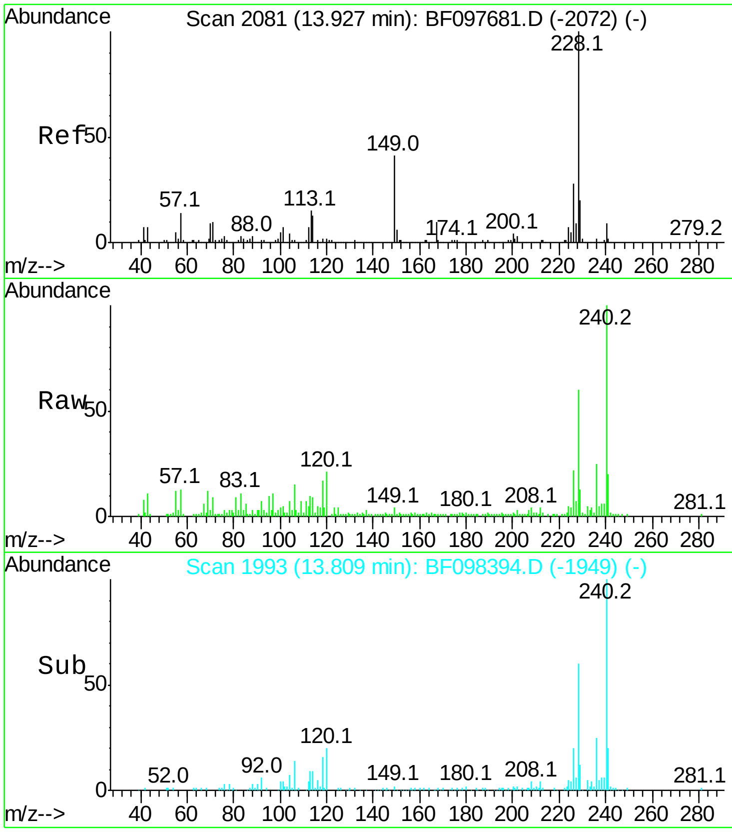


#78
Terphenyl-d14
Concen: 44.300 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:244 Resp: 536147

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.9	10.3	15.5



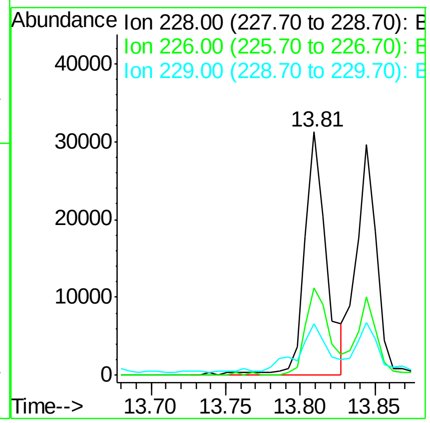


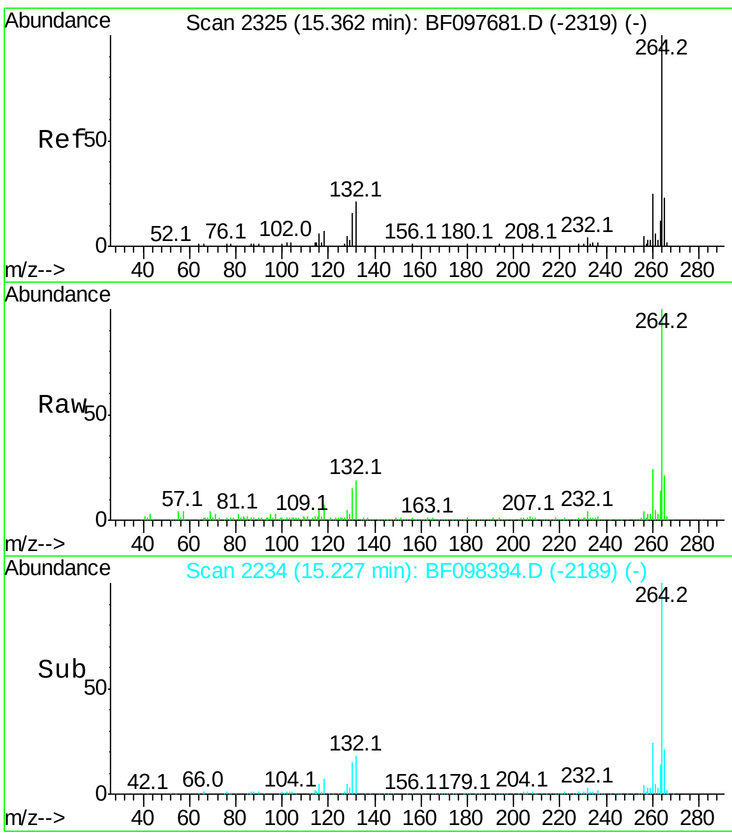
#80
Benzo(a)anthracene
Concen: 2.114 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 31977

Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	21.4	16.3	24.5

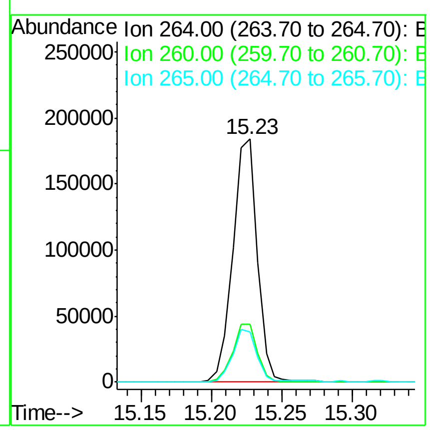


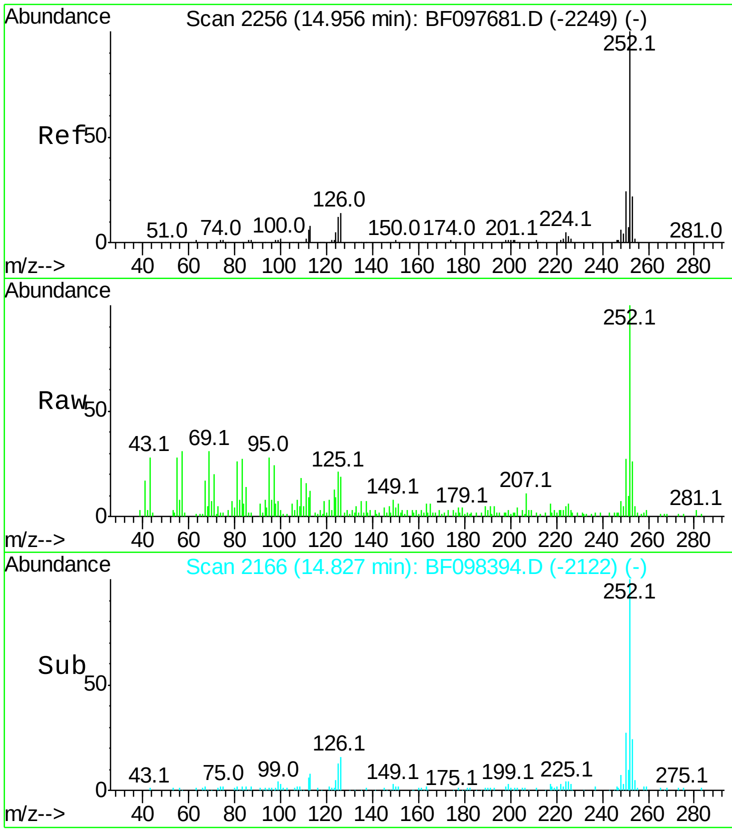


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:264 Resp: 223105

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.9	17.2	25.8



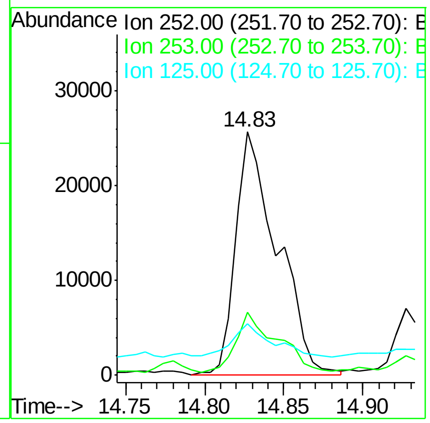


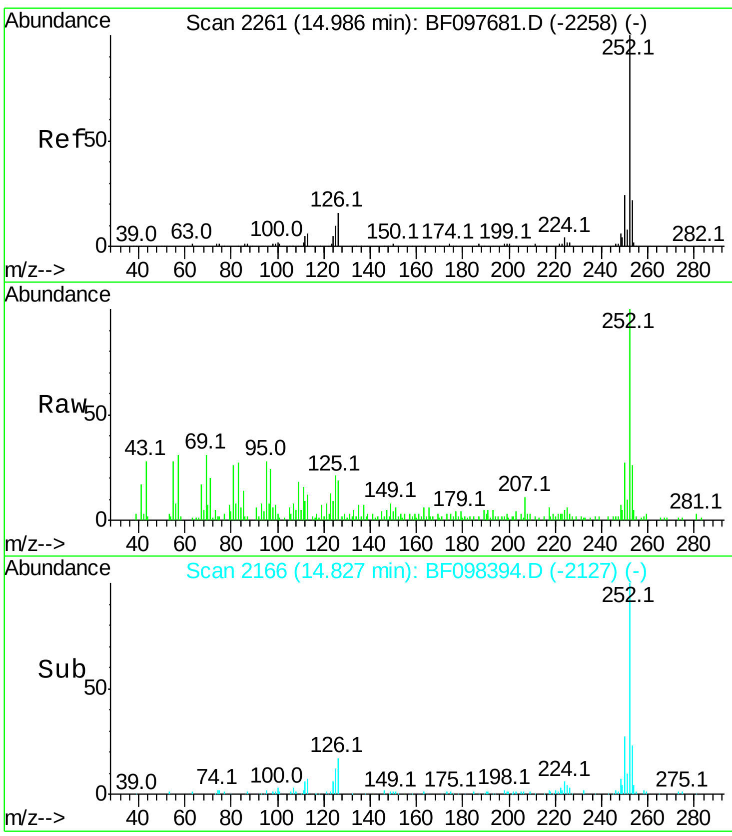
#87
Benzo(b)fluoranthene
Concen: 3.345 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 47043

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	21.1	9.8	14.8#

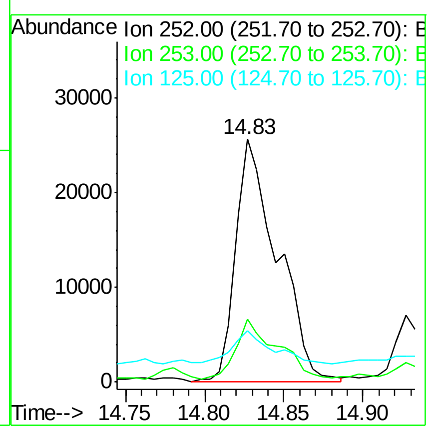


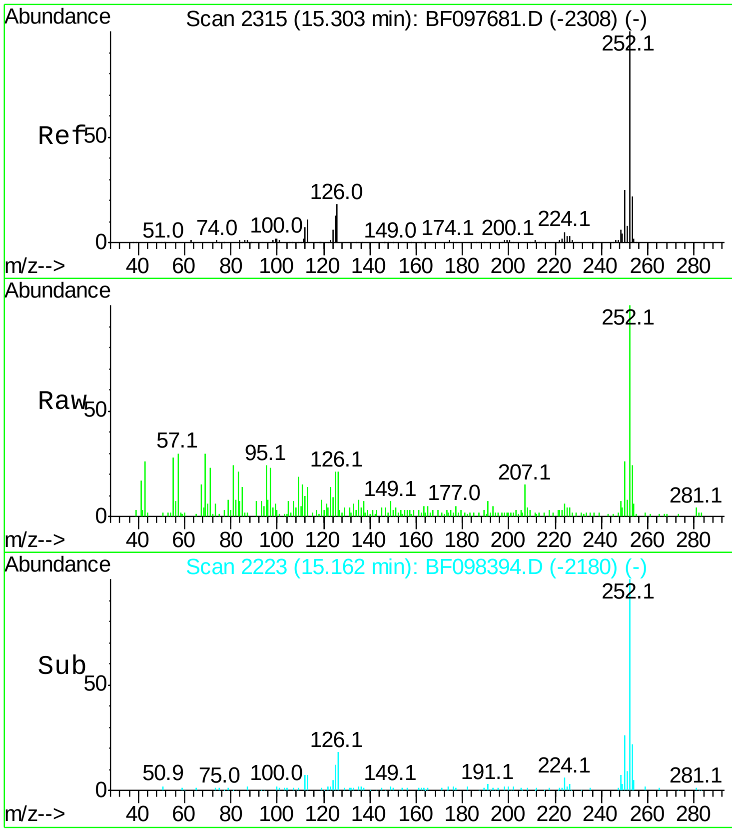


#88
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.07 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Tgt Ion:252 Resp: 47043

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	21.1	13.1	19.7#





#89
Benzo(a)pyrene
Concen: 2.108 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF098394.D
Acq: 9 Sep 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 26244

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	21.0	11.0	16.4#