Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098154.D
Acq On : 30 Aug 2017 12:37
Operator : SJ/JU
Sample : I4979-03DL 50X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 30 13:25:36 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	81393	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	324049	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	138577	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	215644	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	170617	20.00	ng	-0.02
86) Perylene-d12	15.30	264	152167	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	15145	2.83	ng	-0.02
7) Phenol-d6	6.36	99	21434	2.95	ng	-0.02
23) Nitrobenzene-d5	7.29	82	14693	2.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	2111	1.76	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	21230	2.25	ng	-0.02
78) Terphenyl-d14	12.83	244	12157	1.49	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	7.27	117	11569	4.780	ng	# 1
26) 2-Nitrophenol	7.63	139	147	5.312	ng	# 1
31) Naphthalene	8.04	128	673349	40.025	ng	99
32) Benzoic acid	7.81	122	1523	6.755	ng	# 18
33) 4-Chloroaniline	8.04	127	91676	12.921	ng	# 32
37) 2-Methylnaphthalene	8.73	142	922805	89.471	ng	98
45) 1,1'-Biphenyl	9.19	154	168083	13.301	ng	96
50) 2,6-Dinitrotoluene	9.46	165	4108	2.032	ng	# 1
51) Acenaphthene	9.80	154	539774	58.370	ng	99
53) 2,4-Dinitrophenol	9.92	184	118	10.249	ng	# 1
54) Dibenzofuran	9.97	168	542857	43.801	ng	99
55) 4-Nitrophenol	9.87	139	9420	4.527	ng	85
57) Fluorene	10.32	166	460550	48.063	ng	96
61) 4-Nitroaniline	10.32	138	6484	2.615	ng	# 44
64) 4,6-Dinitro-2-methylphenol	10.37	198	551	8.769	ng	# 1
65) n-Nitrosodiphenylamine	10.36	169	26132	3.559	ng	88
70) Phenanthrene	11.28	178	716962	62.393	ng	99
71) Anthracene	11.33	178	247777	21.259	ng	100
72) Carbazole	11.48	167	24476	2.212	ng	# 93
74) Fluoranthene	12.46	202	198805	16.575	ng	99
77) Pyrene	12.69	202	153393	10.992	ng	98
80) Benzo(a)anthracene	13.87	228	24279	2.374	ng	97
82) Chrysene	13.87	228	24279	2.387	ng	93

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

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Acq On : 30 Aug 2017 12:37
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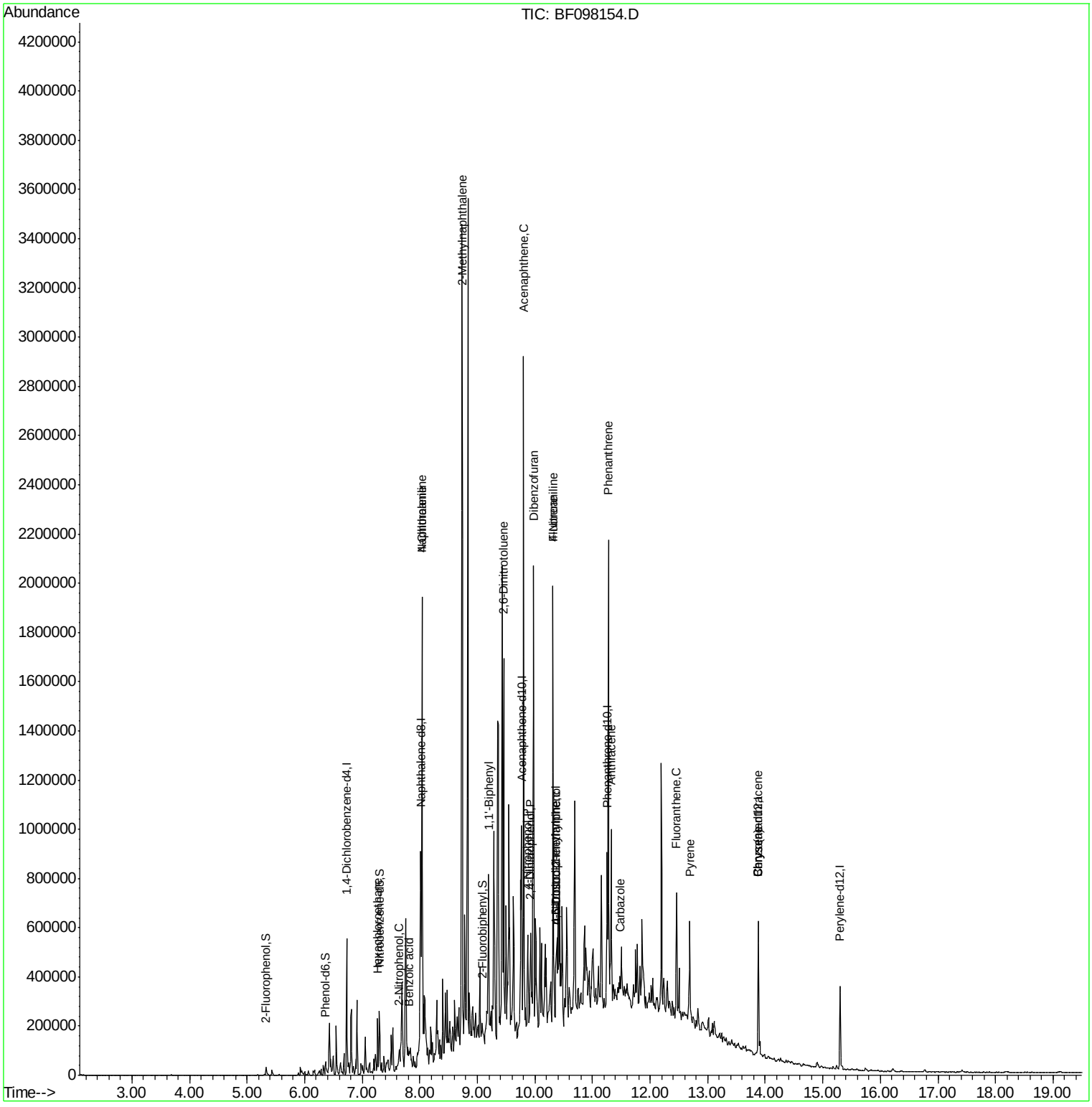
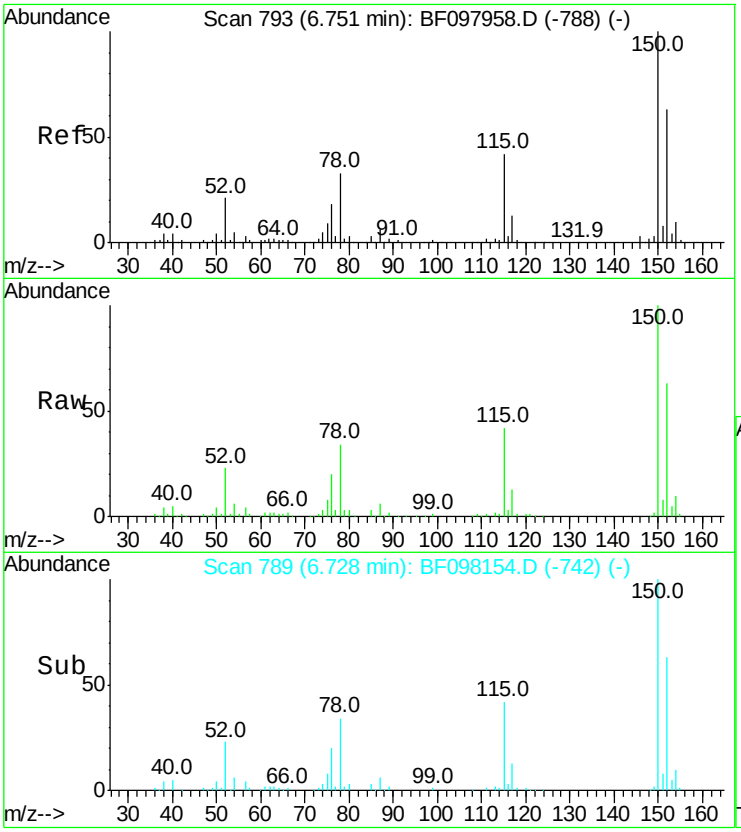


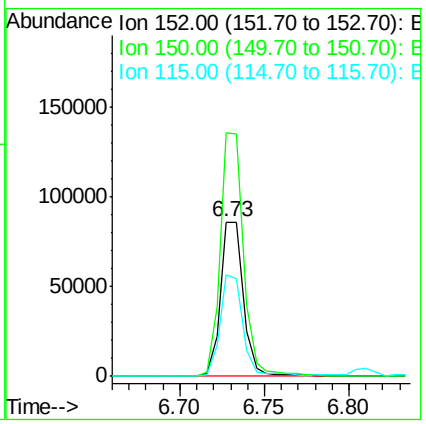


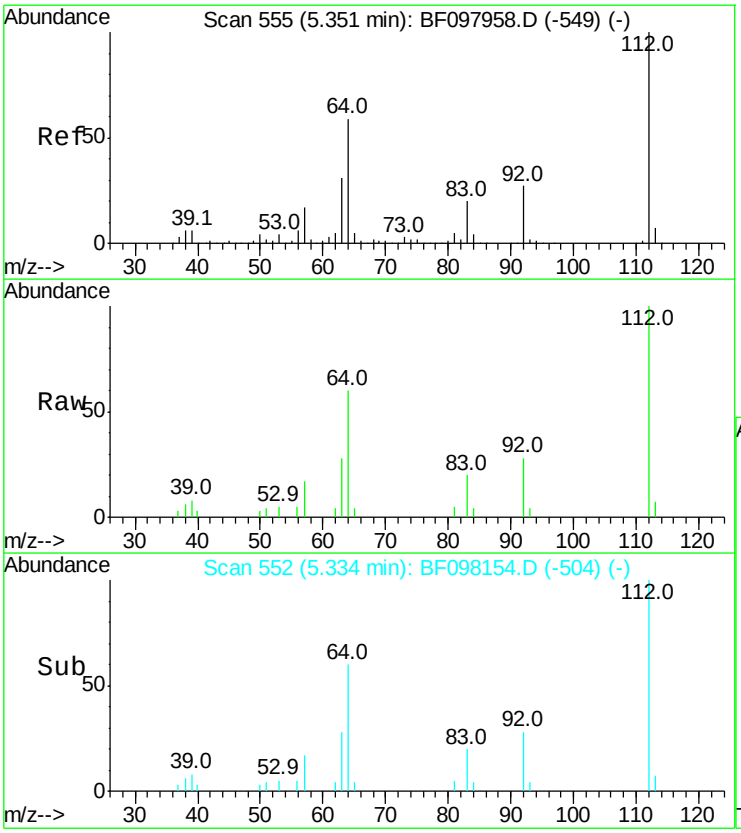
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 81393

Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	65.7	52.2	78.2

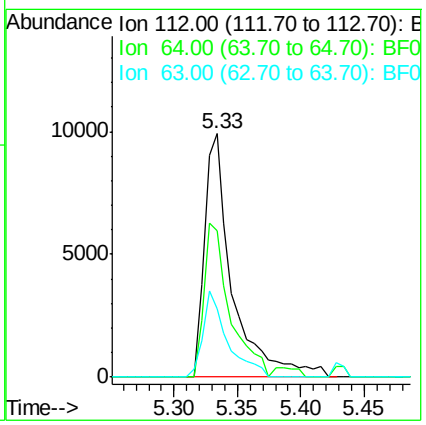


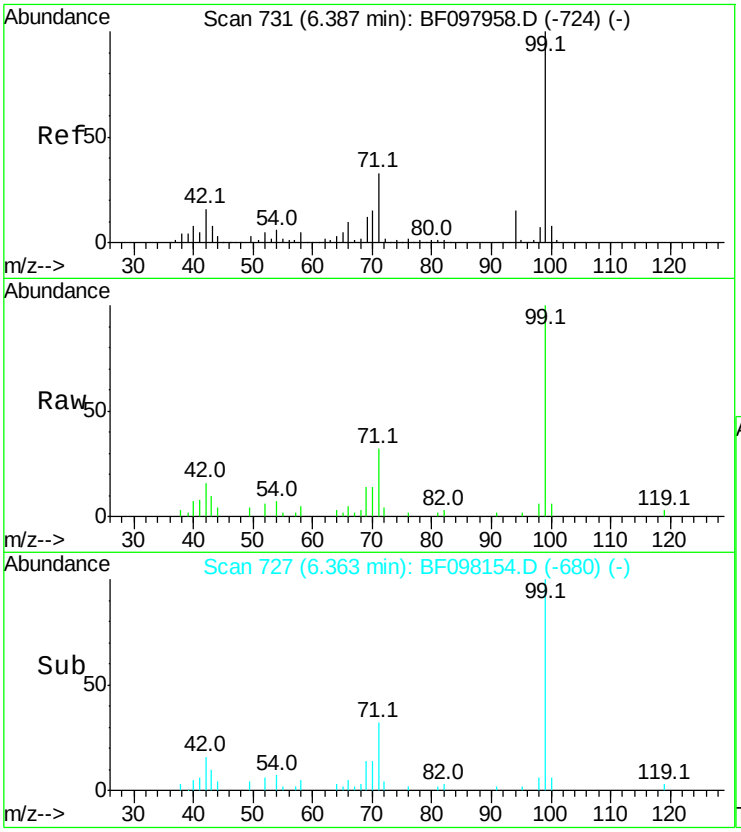


#5
2-Fluorophenol
Concen: 2.830 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:112 Resp: 15145

Ion	Ratio	Lower	Upper
112	100		
64	59.9	46.0	69.0
63	28.0	23.4	35.0



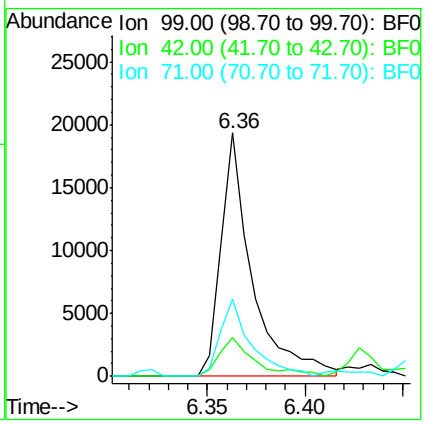


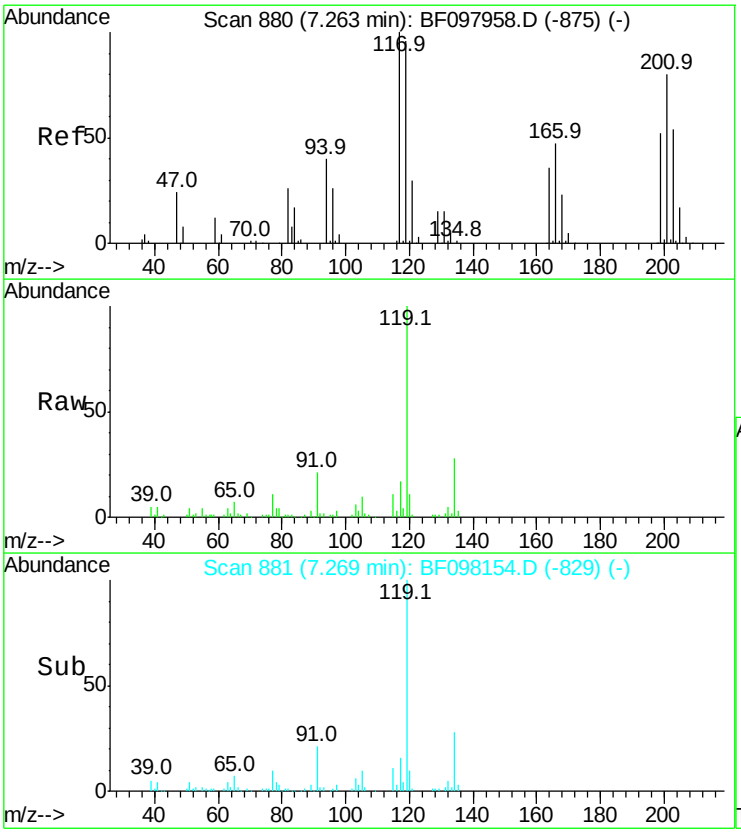
#7
Phenol-d6
Concen: 2.948 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 21434

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	31.7	24.5	36.7

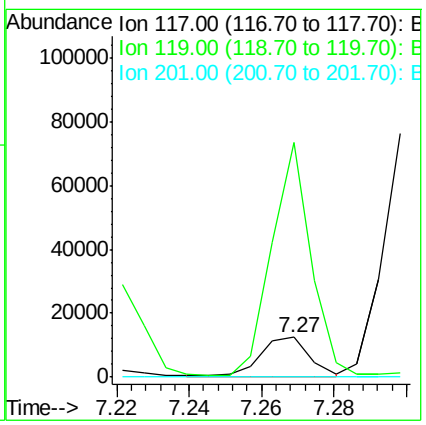


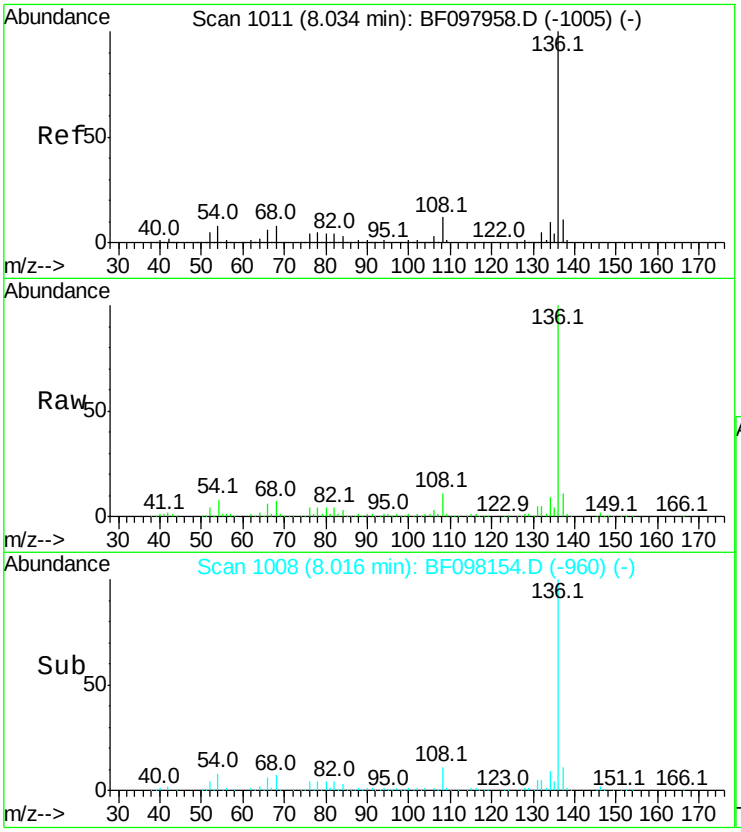


#18
Hexachloroethane
Concen: 4.780 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:117 Resp: 11569

Ion	Ratio	Lower	Upper
117	100		
119	588.8	77.4	116.0#
201	0.0	94.6	141.8#



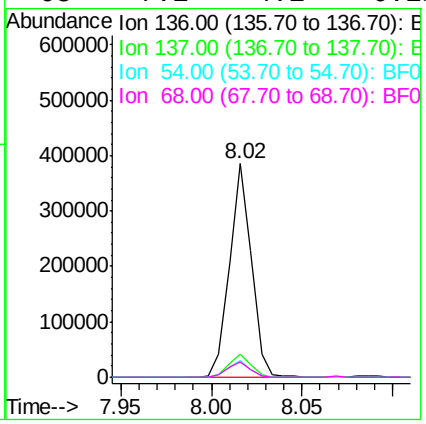


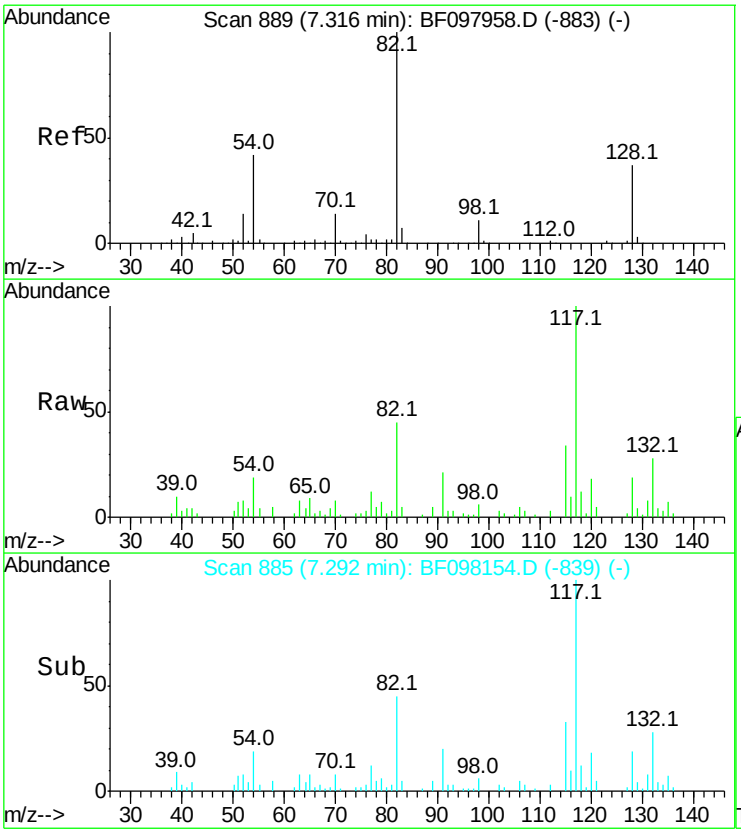
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 324049

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.9	4.9	7.3#
68	7.1	4.1	6.1#

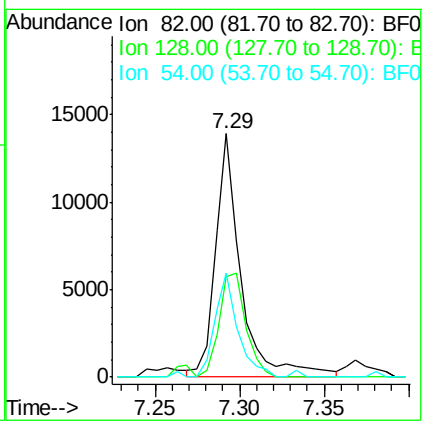


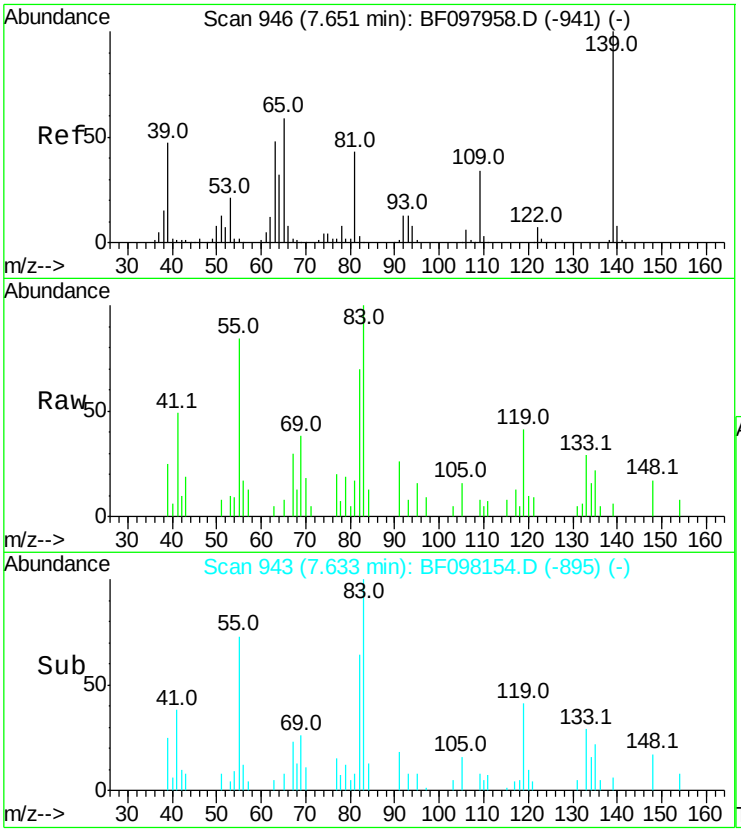


#23
Nitrobenzene-d5
Concen: 2.463 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion: 82 Resp: 14693

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	42.8	42.2	63.2



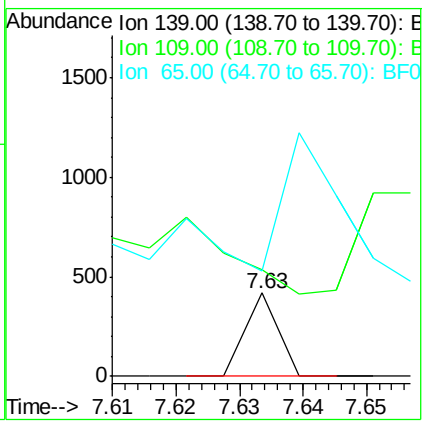


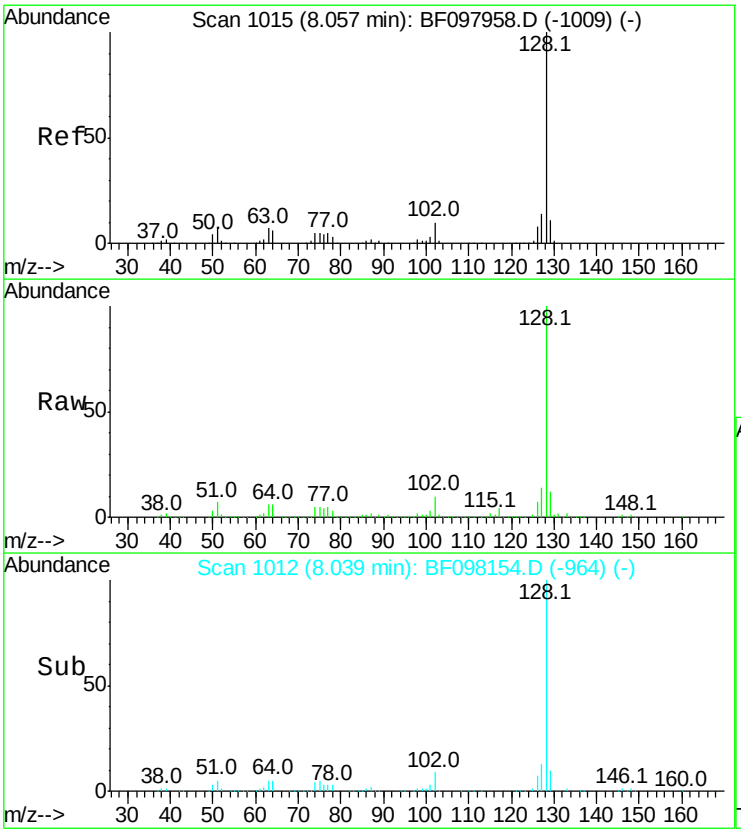
#26
2-Nitrophenol
Concen: 5.312 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 147

Ion	Ratio	Lower	Upper
139	100		
109	128.3	21.0	31.6#
65	127.6	33.0	49.6#

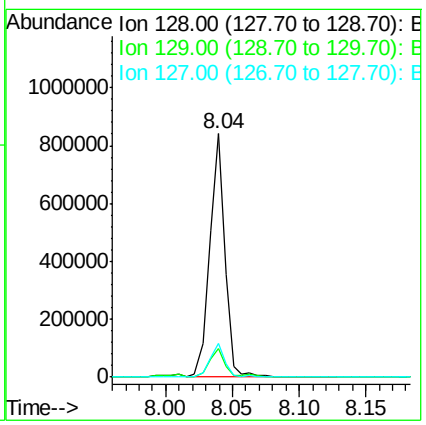


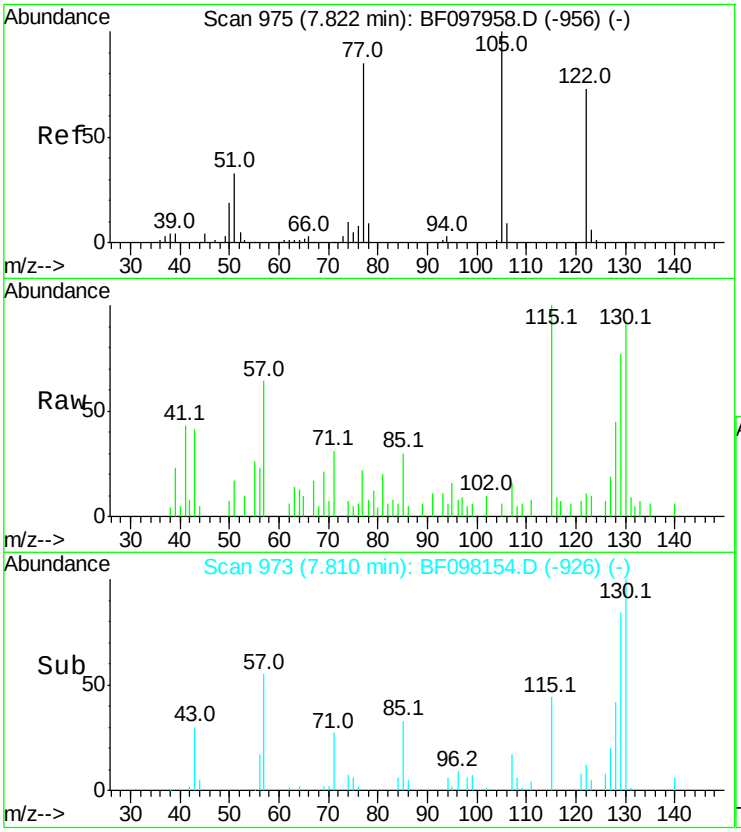


#31
Naphthalene
Concen: 40.025 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:128 Resp: 673349

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.8	16.2



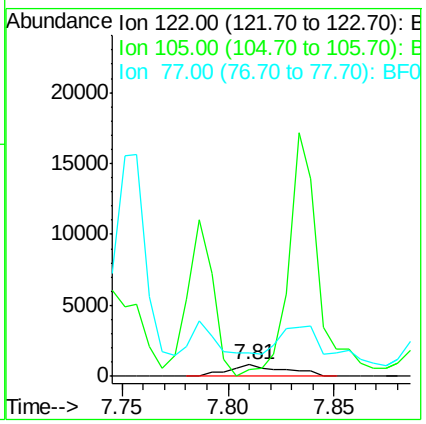


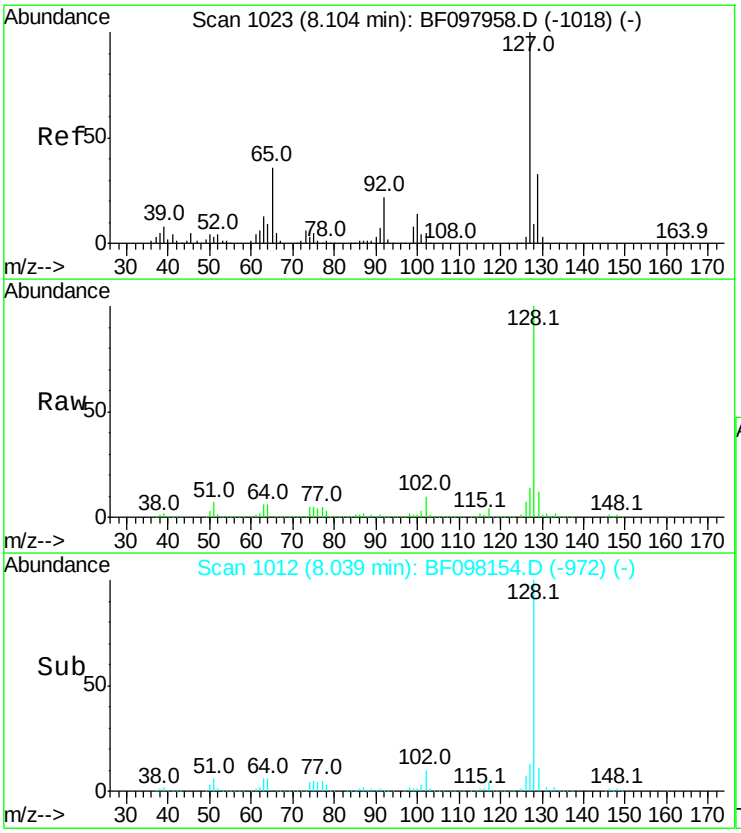
#32
Benzoic acid
Concen: 6.755 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 1523

Ion	Ratio	Lower	Upper
122	100		
105	54.6	103.3	143.3#
77	200.1	73.7	113.7#

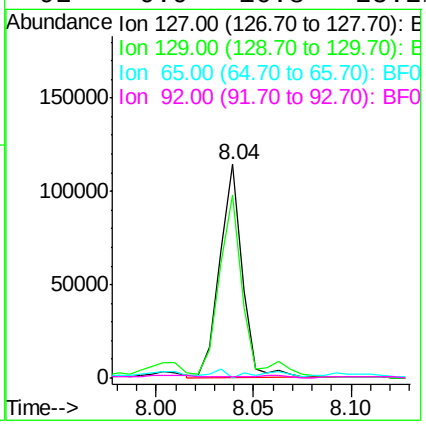


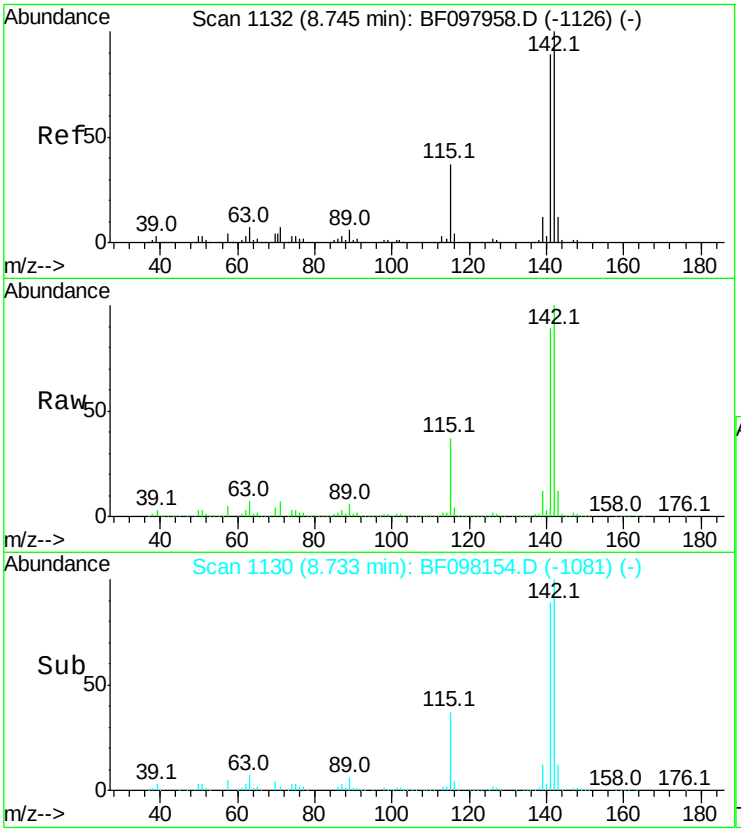


#33
4-Chloroaniline
Concen: 12.921 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.06 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:127 Resp: 91676

Ion	Ratio	Lower	Upper
127	100		
129	85.4	26.2	39.2#
65	0.0	27.8	41.8#
92	0.9	16.8	25.2#



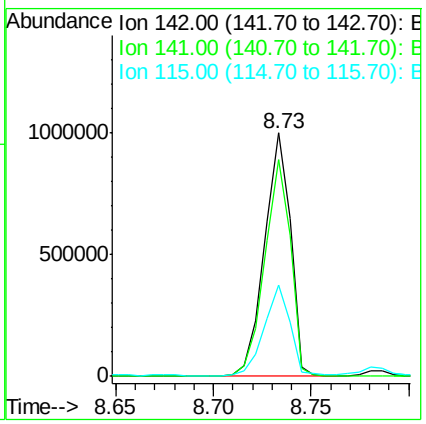


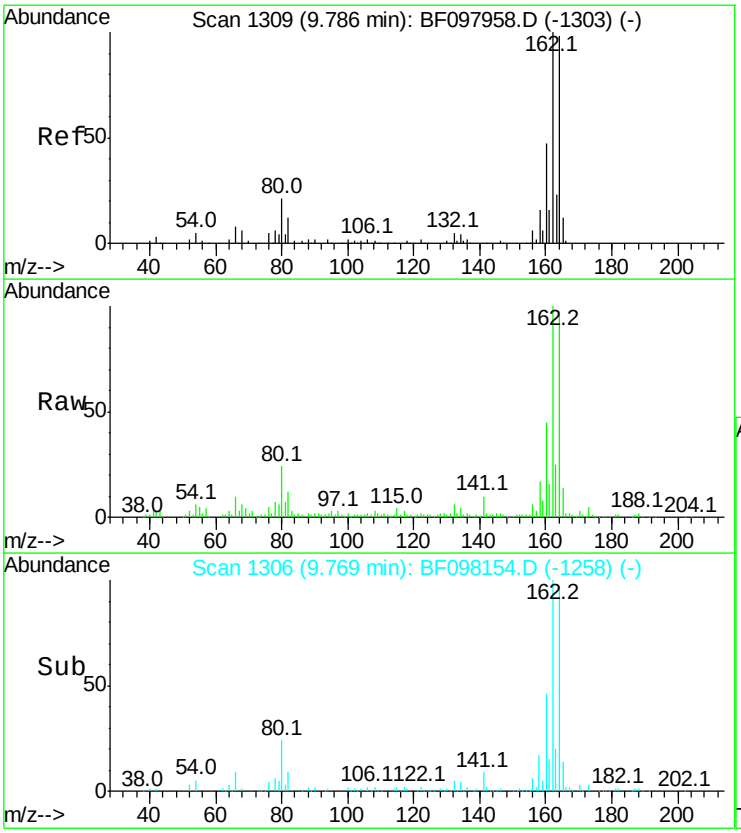
#37
2-Methylnaphthalene
Concen: 89.471 ng
RT: 8.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 922805

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.3	106.9
115	37.4	27.1	40.7

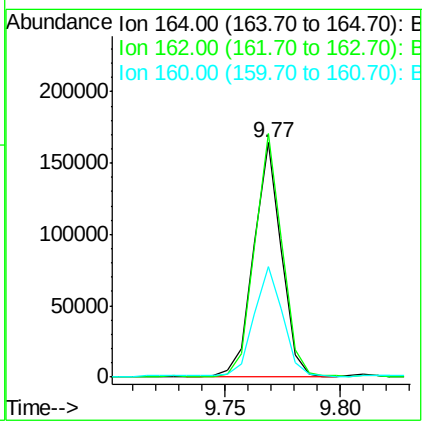


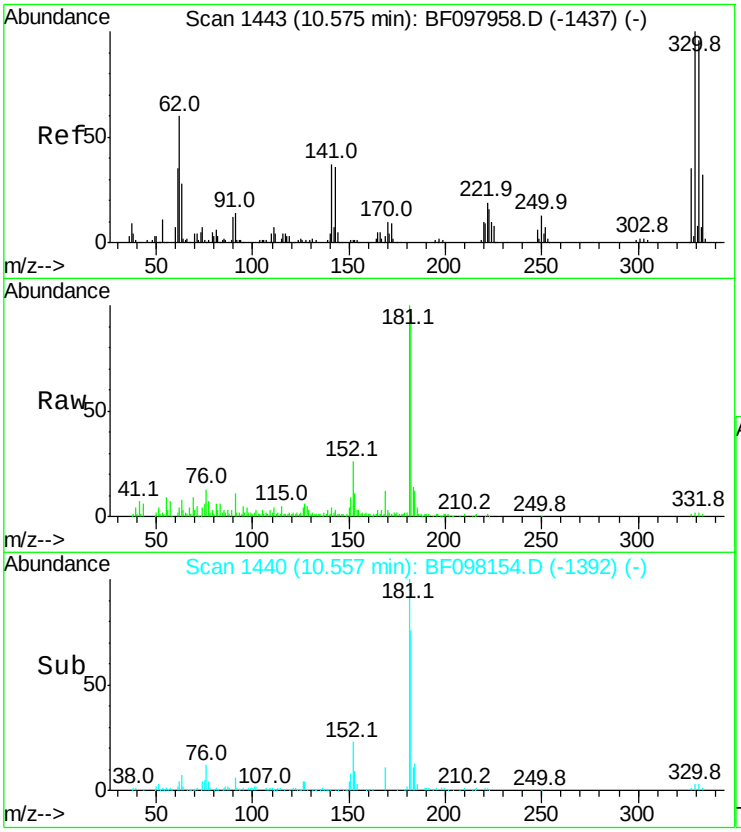


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:164 Resp: 138577

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	47.2	36.2	54.2



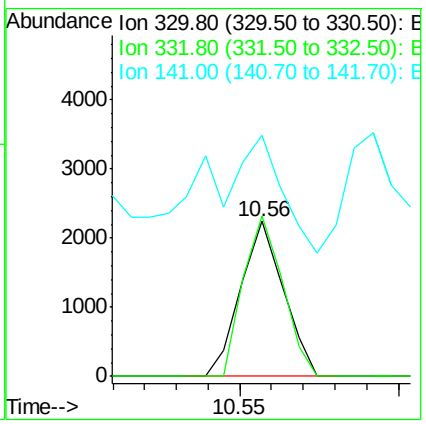


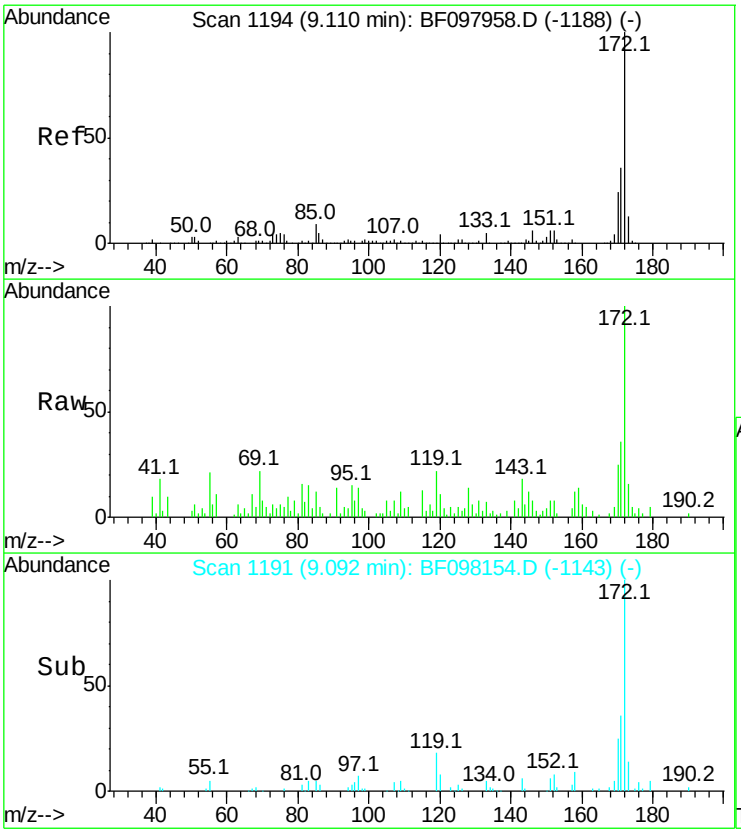
#41
2,4,6-Tribromophenol
Concen: 1.756 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 2111

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	115.0
141	131.9	31.4	47.2#

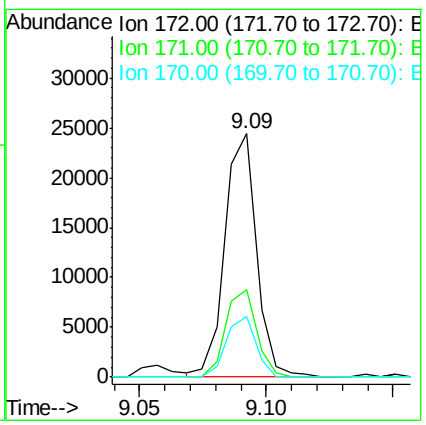


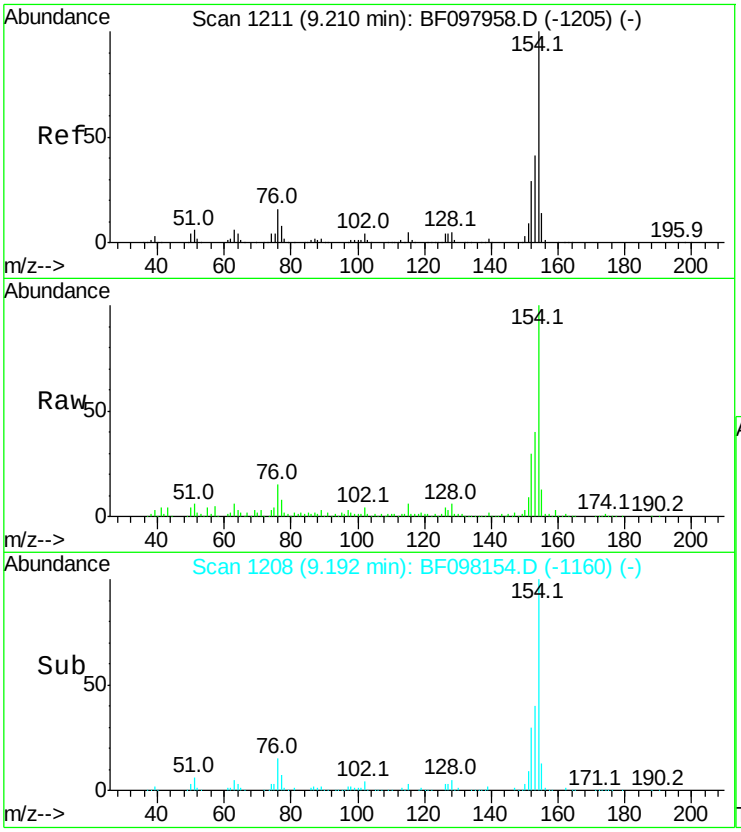


#44
2-Fluorobiphenyl
Concen: 2.251 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:172 Resp: 21230

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	25.0	19.8	29.8



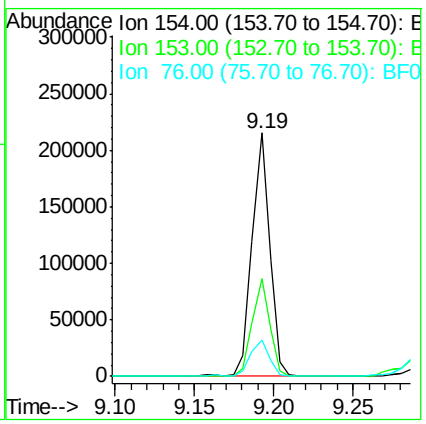


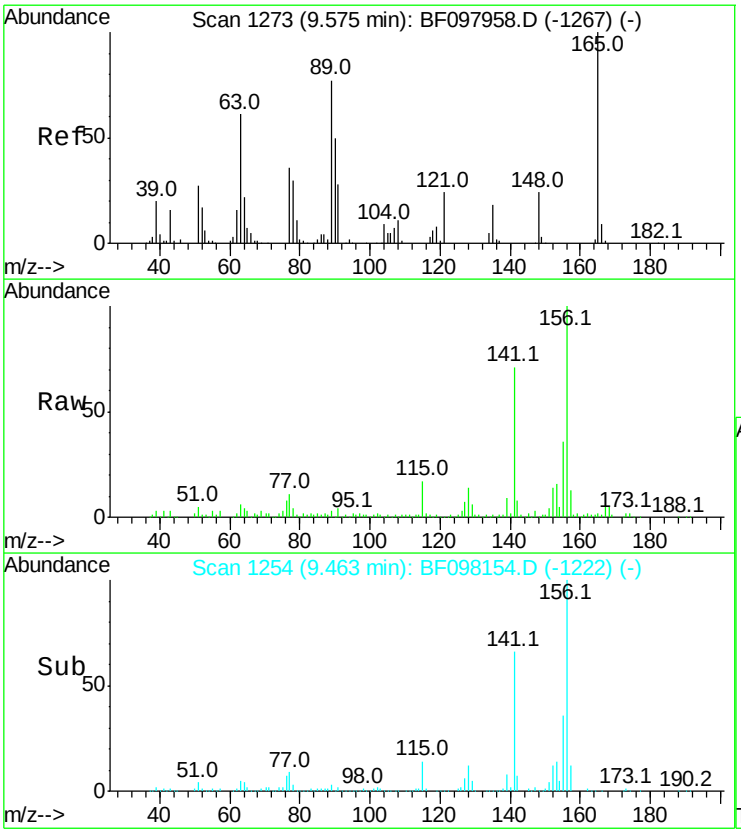
#45
1,1'-Biphenyl
Concen: 13.301 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 168083

Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	15.1	0.0	29.9

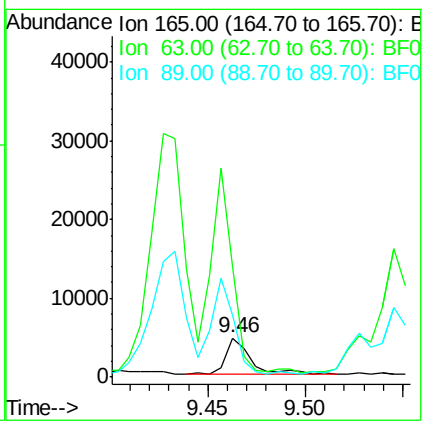


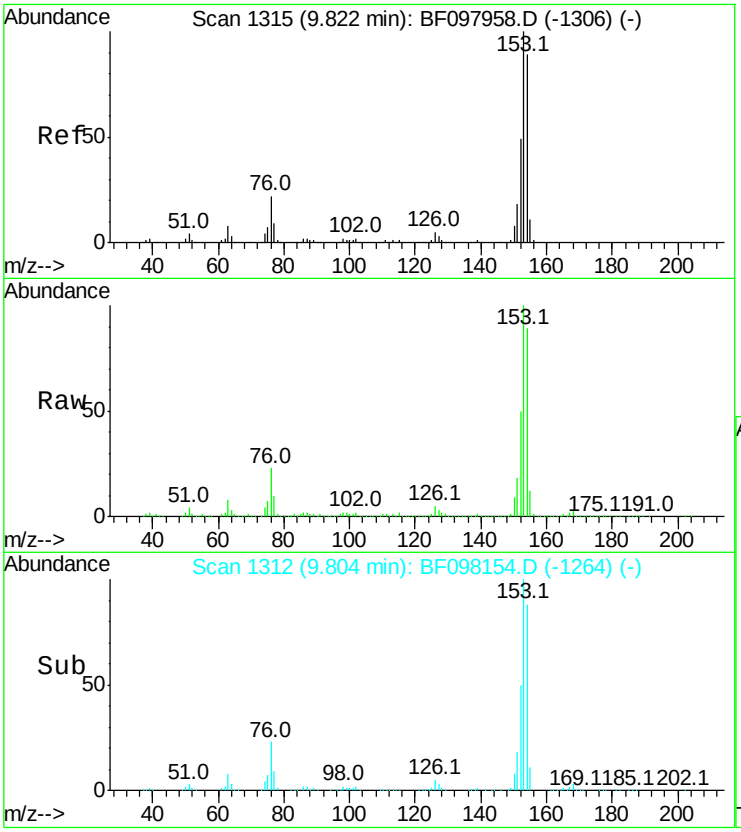


#50
2,6-Dinitrotoluene
Concen: 2.032 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.11 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:165 Resp: 4108

Ion	Ratio	Lower	Upper
165	100		
63	282.4	34.3	51.5#
89	156.1	37.1	55.7#



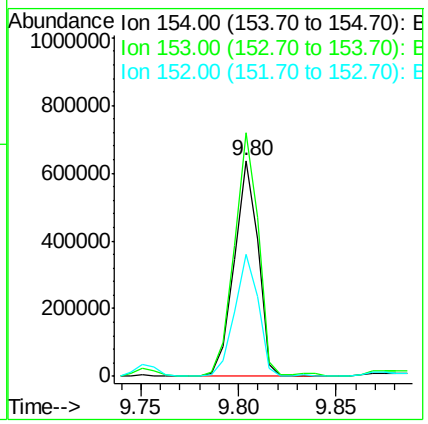


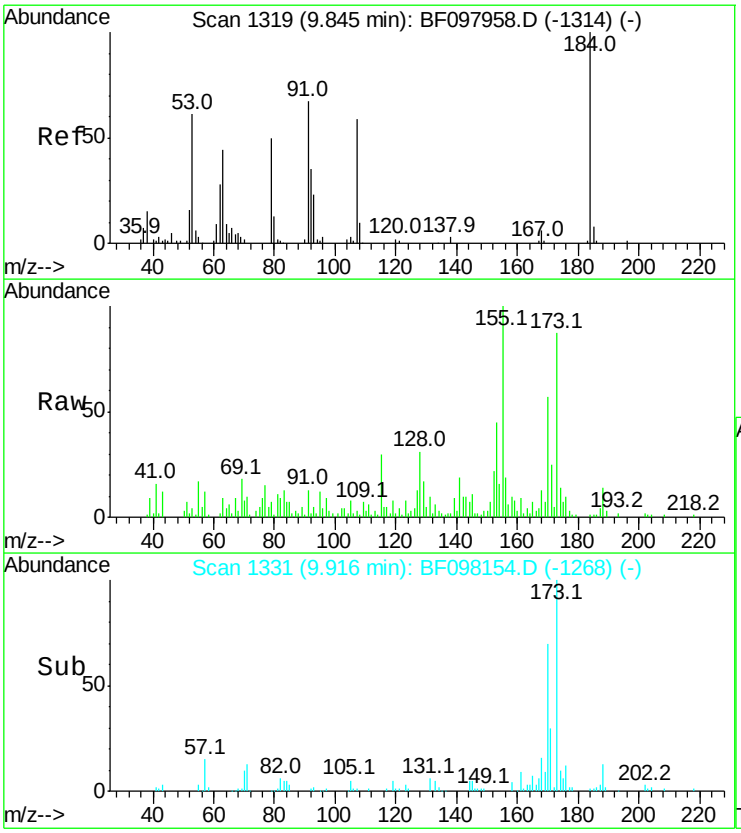
#51
Acenaphthene
Concen: 58.370 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 539774

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.5	135.7
152	56.5	43.6	65.4

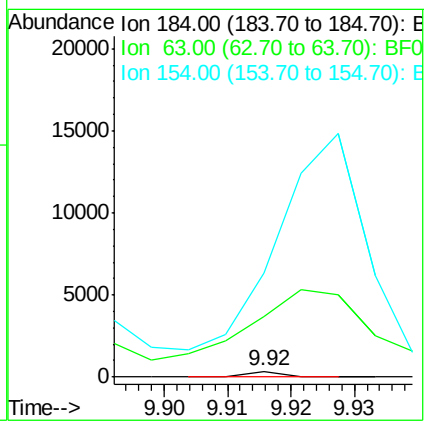


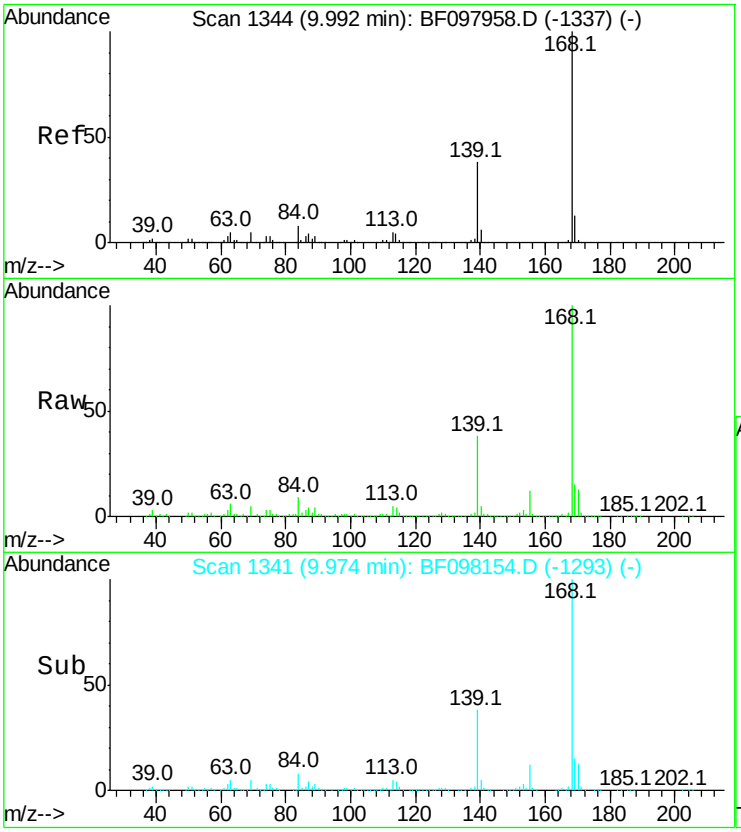


#53
2,4-Dinitrophenol
Concen: 10.249 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.07 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:184 Resp: 118

Ion	Ratio	Lower	Upper
184	100		
63	1097.0	62.7	94.1#
154	1891.0	81.1	121.7#



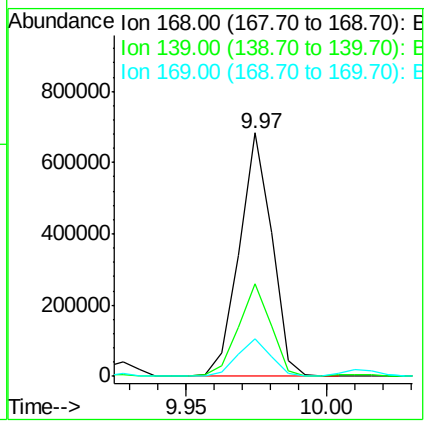


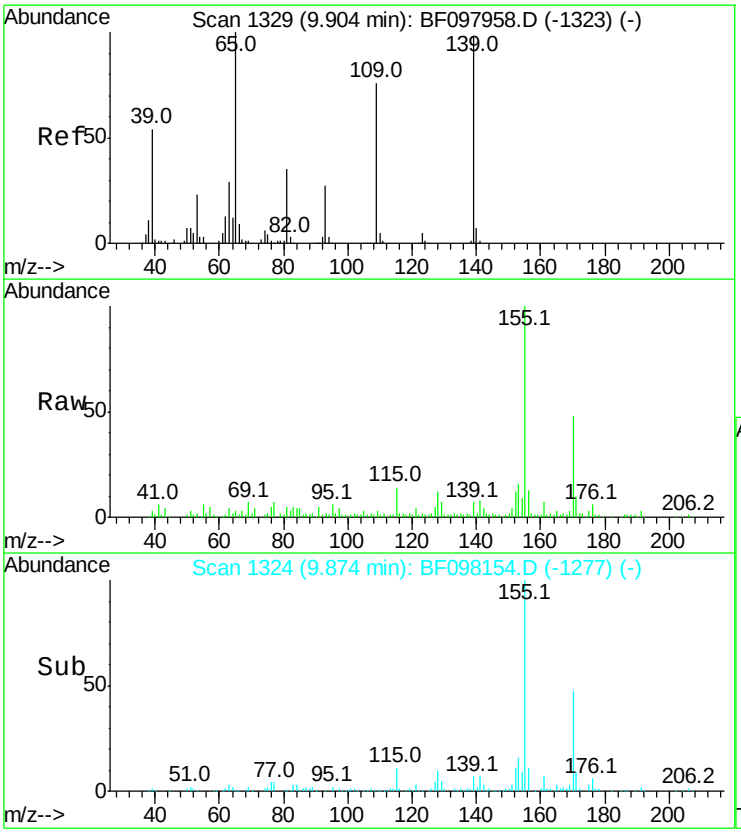
#54
Dibenzofuran
Concen: 43.801 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 542857

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.6	45.8
169	15.5	10.8	16.2

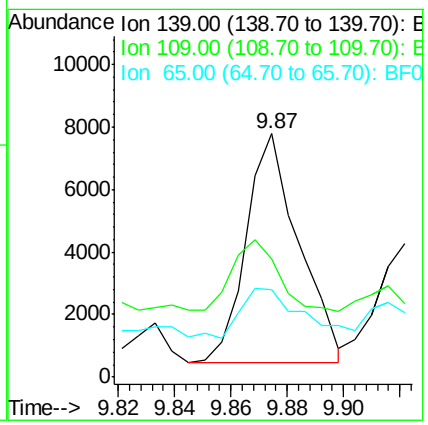


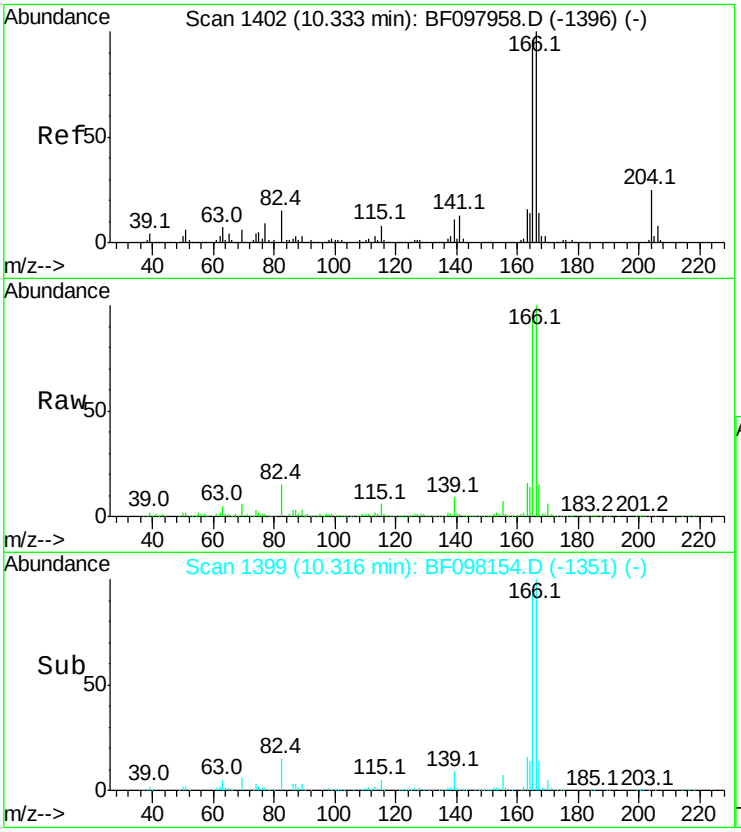


#55
4-Nitrophenol
Concen: 4.527 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:139 Resp: 9420

Ion	Ratio	Lower	Upper
139	100		
109	48.4	34.1	74.1
65	36.1	31.4	71.4



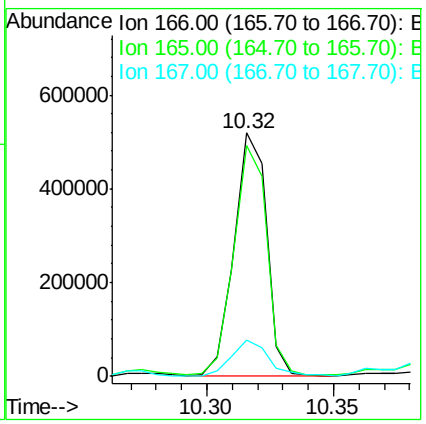


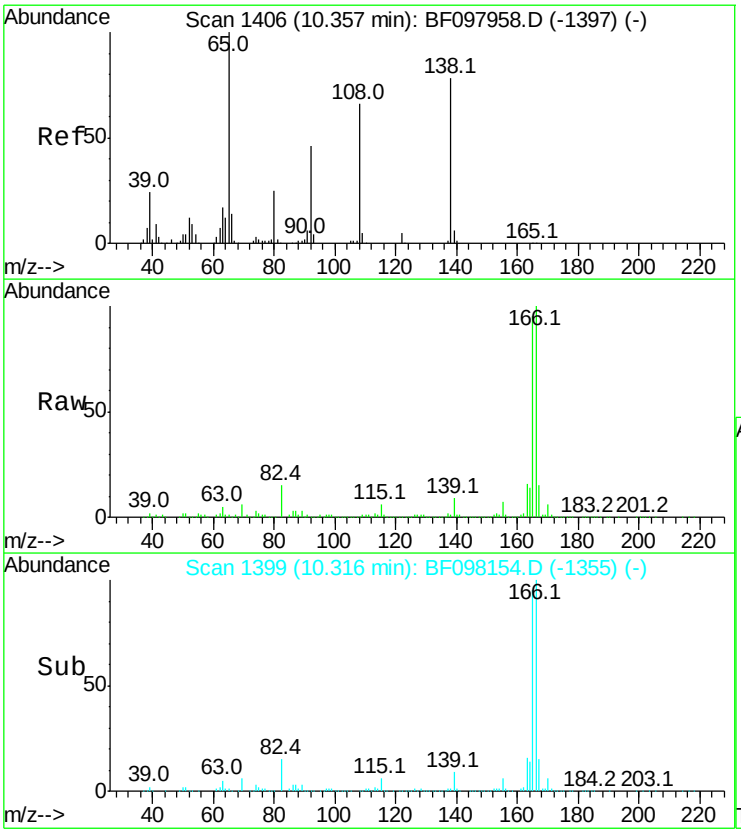
#57
Fluorene
Concen: 48.063 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 460550

Ion	Ratio	Lower	Upper
166	100		
165	94.9	78.8	118.2
167	14.8	10.6	16.0

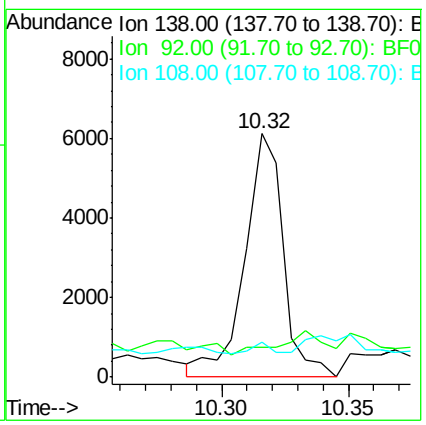


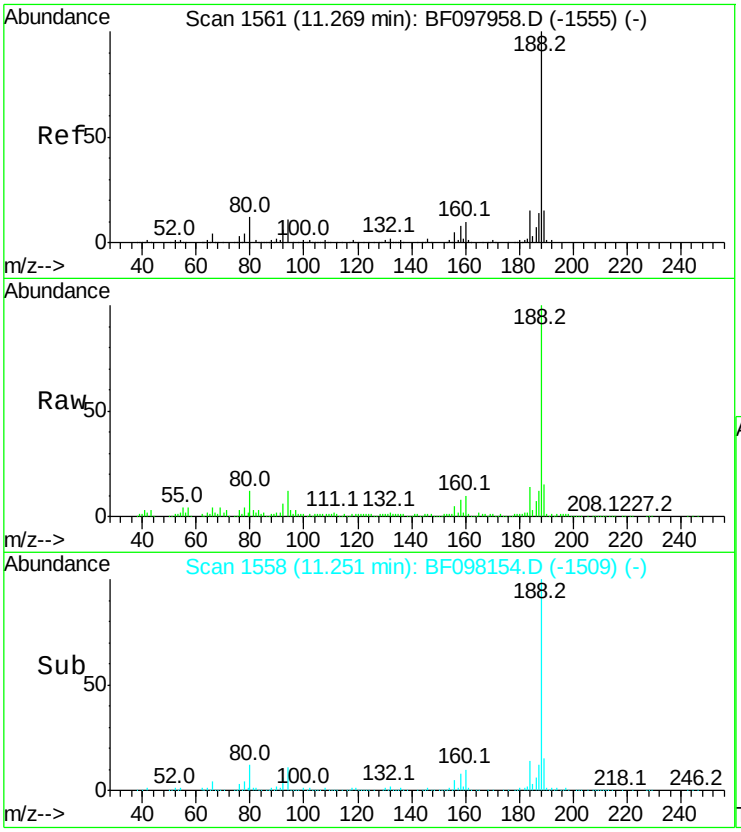


#61
4-Nitroaniline
Concen: 2.615 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:138 Resp: 6484

Ion	Ratio	Lower	Upper
138	100		
92	12.3	21.8	61.8#
108	14.3	42.3	82.3#



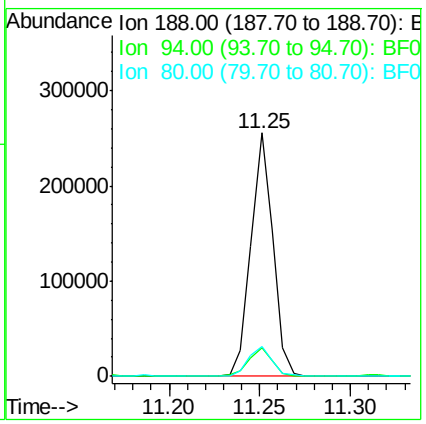


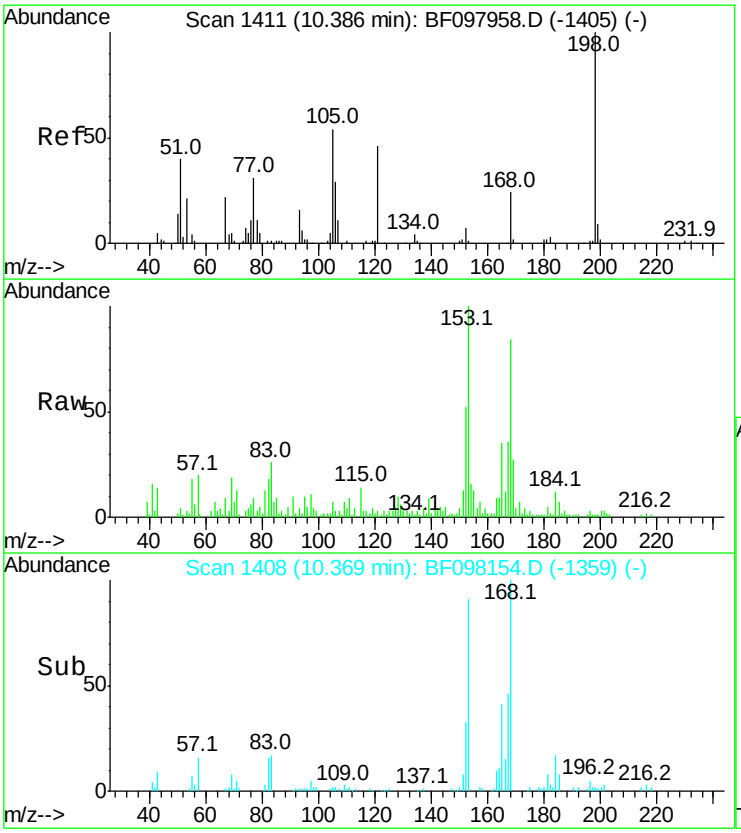
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 215644

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.1	10.2	15.2

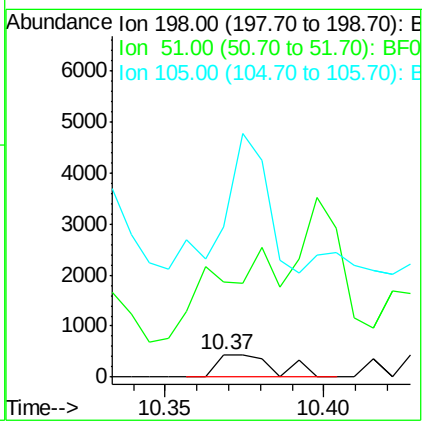


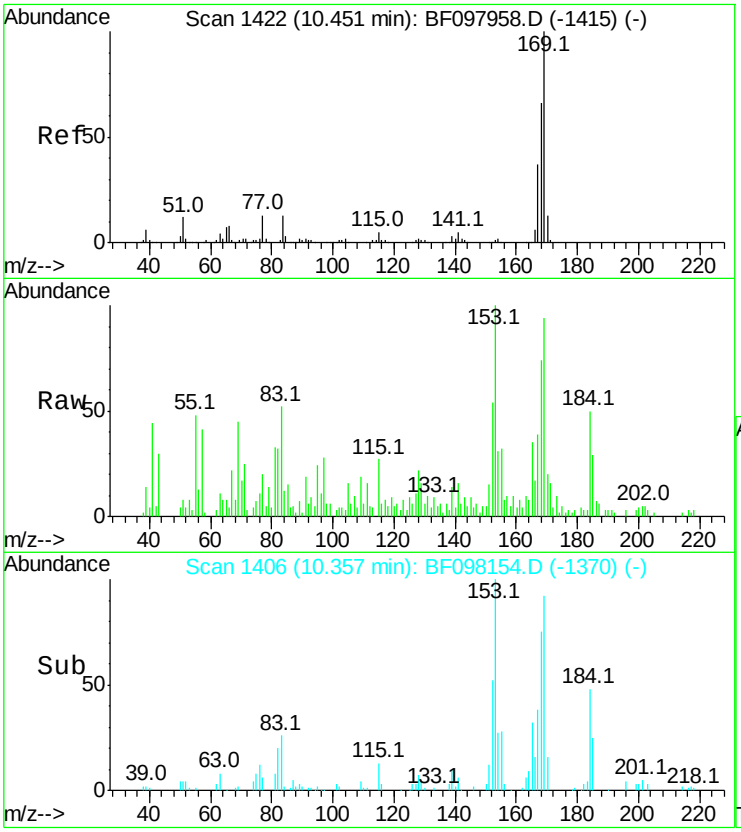


#64
4,6-Dinitro-2-methylphenol
Concen: 8.769 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:198 Resp: 551

Ion	Ratio	Lower	Upper
198	100		
51	417.1	53.2	93.2#
105	660.2	45.8	85.8#



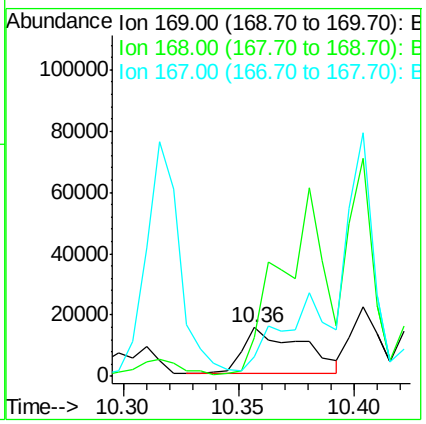


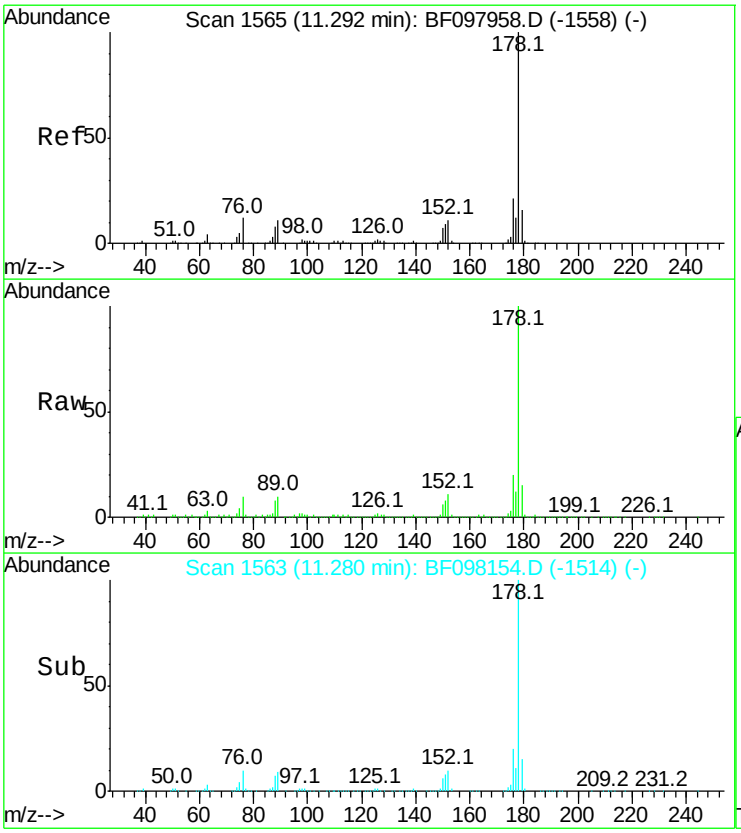
#65
n-Nitrosodiphenylamine
Concen: 3.559 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.09 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:169 Resp: 26132

Ion	Ratio	Lower	Upper
169	100		
168	78.6	53.2	79.8
167	41.3	29.5	44.3

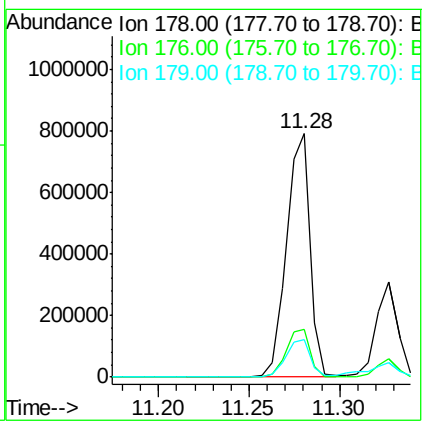


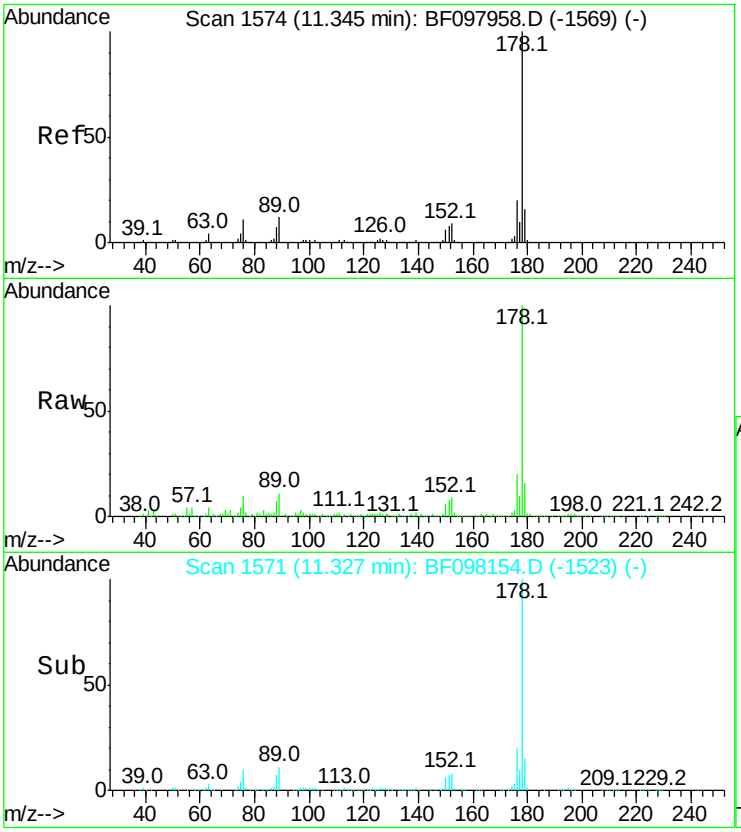


#70
Phenanthrene
Concen: 62.393 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:178 Resp: 716962

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.3	12.6	19.0



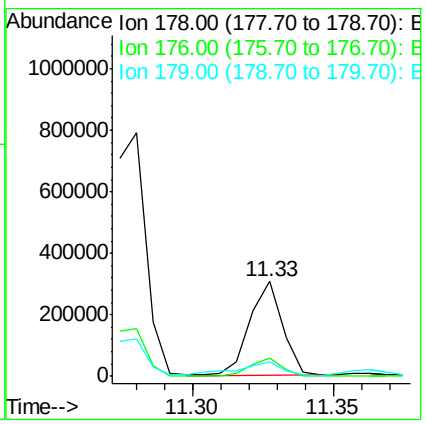


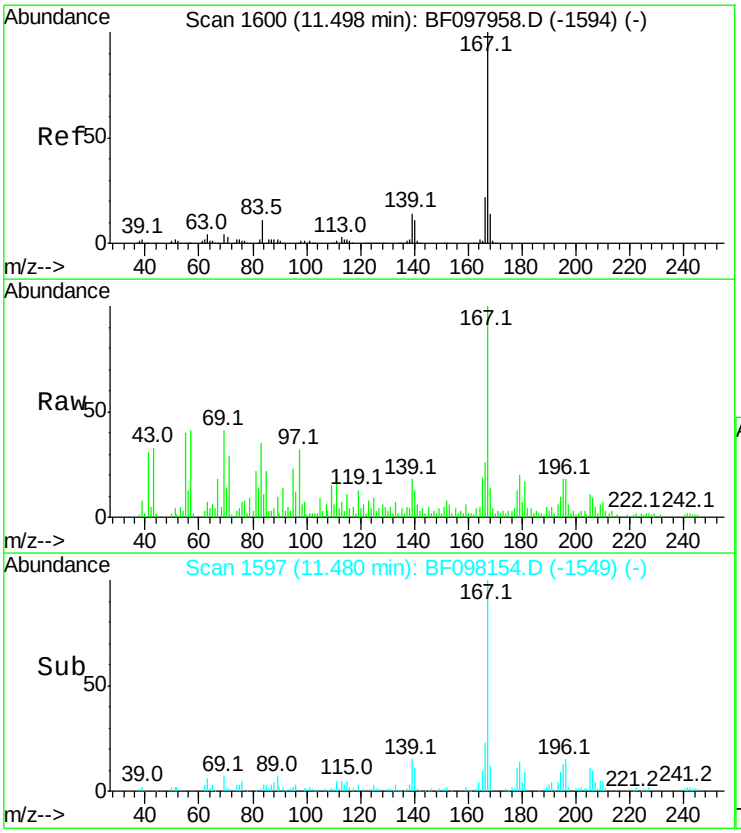
#71
Anthracene
Concen: 21.259 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 247777

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	12.7	19.1

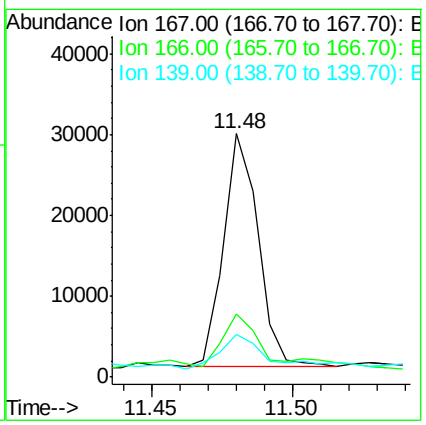


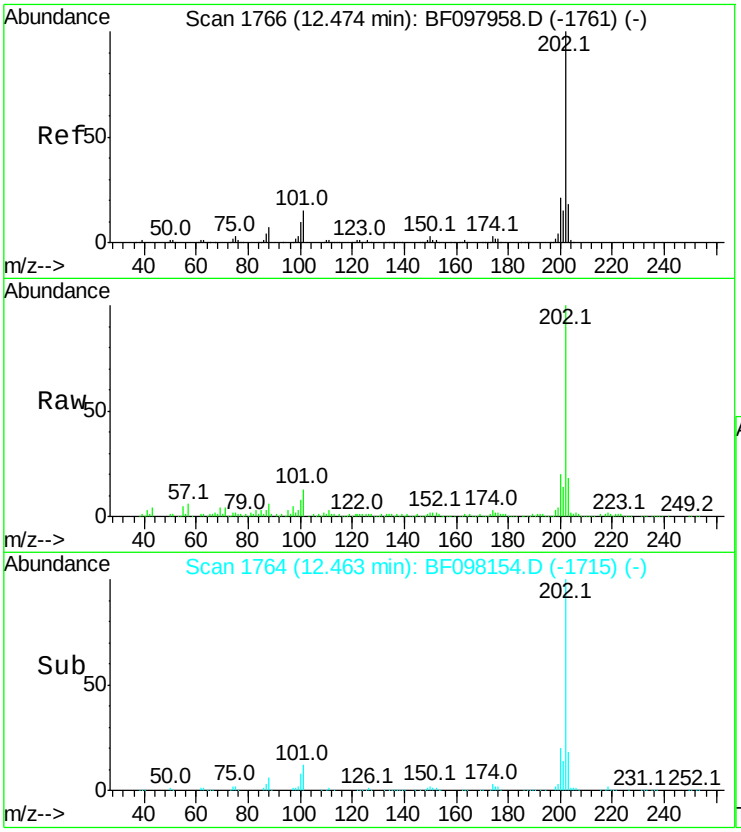


#72
Carbazole
Concen: 2.212 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:167 Resp: 24476

Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.1	27.1
139	17.7	11.7	17.5#



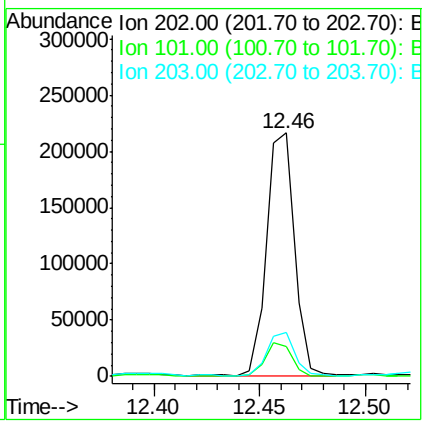


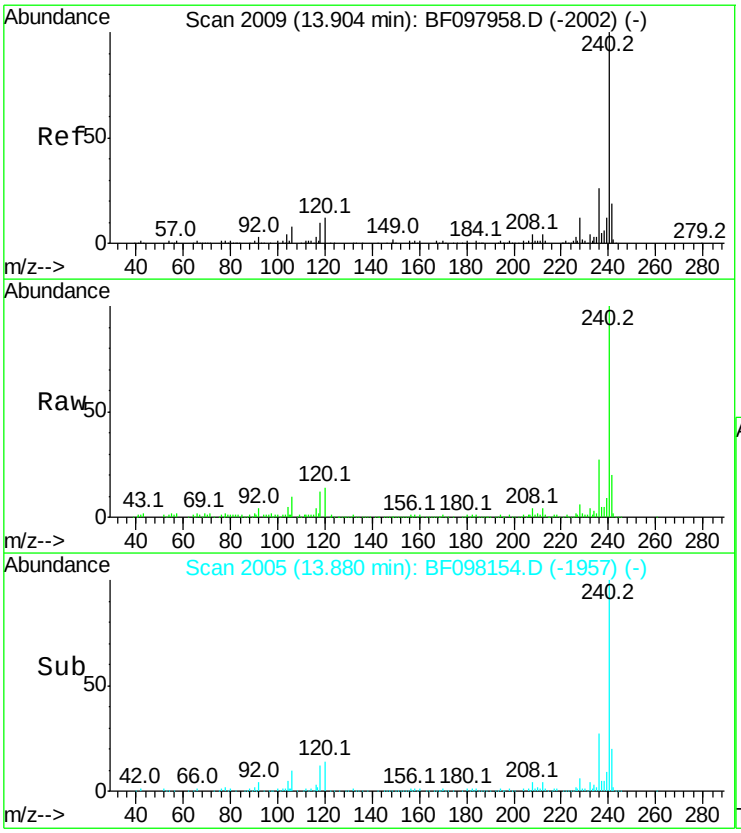
#74
Fluoranthene
Concen: 16.575 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 198805

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.9	0.0	38.1

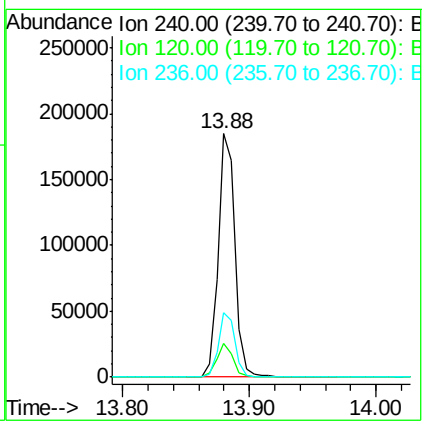


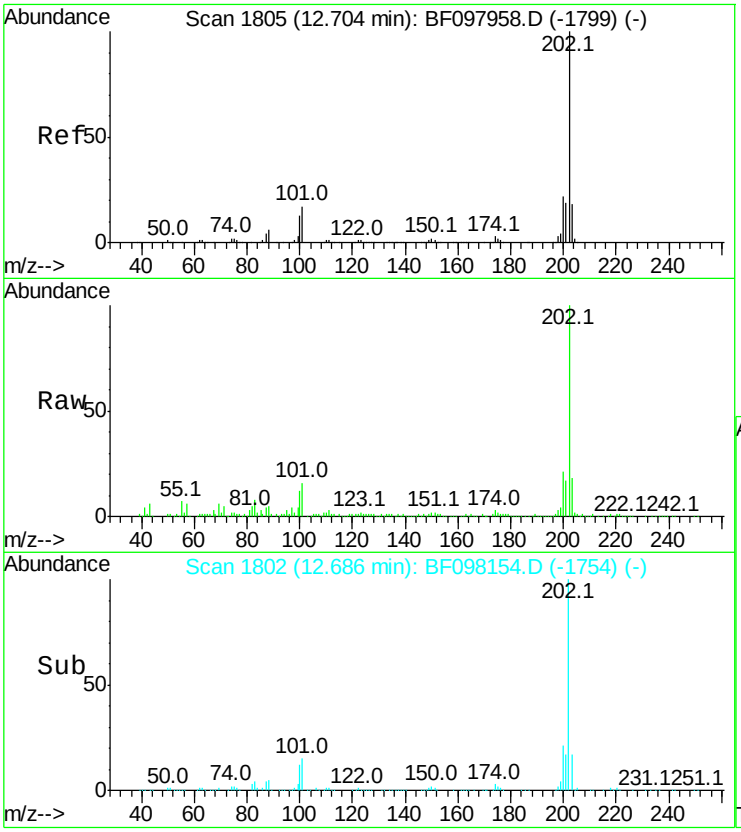


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:240 Resp: 170617

Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	26.6	20.5	30.7



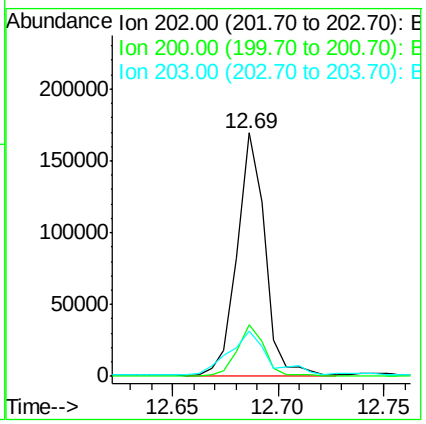


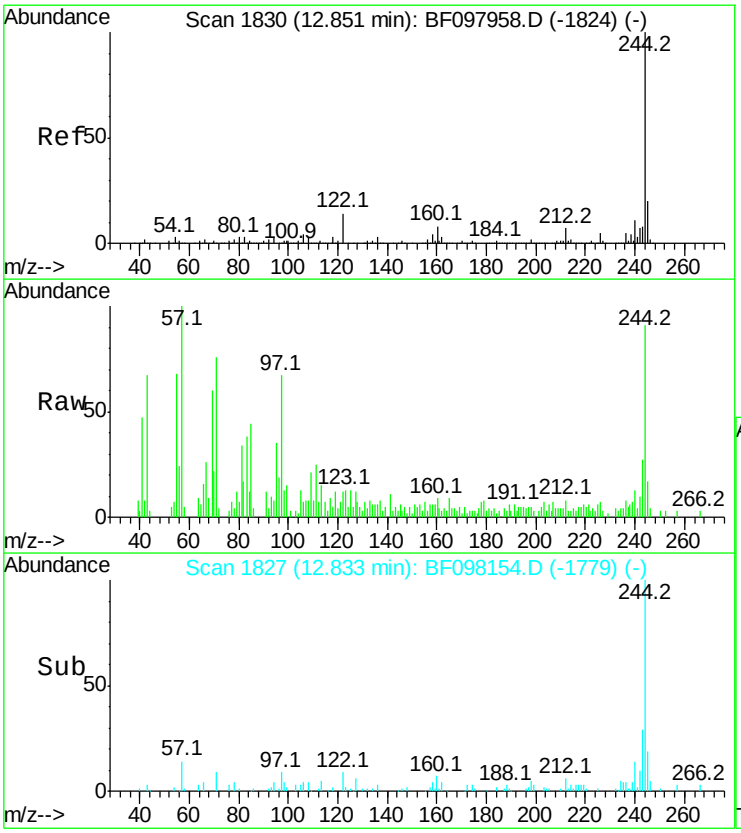
#77
Pyrene
Concen: 10.992 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 153393

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.4	14.4	21.6

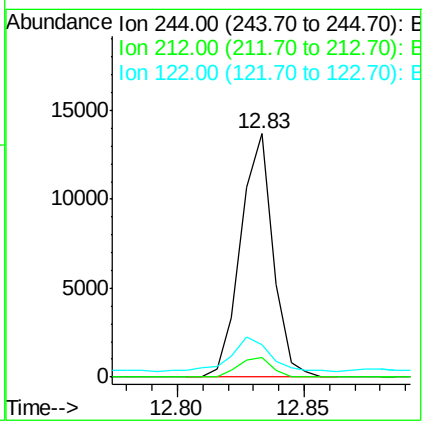


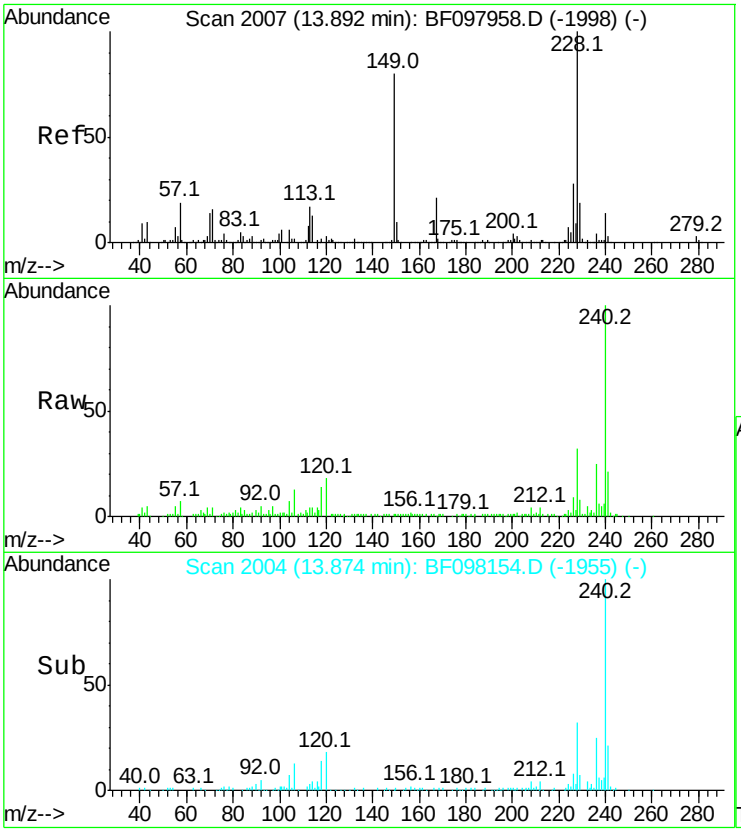


#78
Terphenyl-d14
Concen: 1.486 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:244 Resp: 12157

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	13.2	10.3	15.5



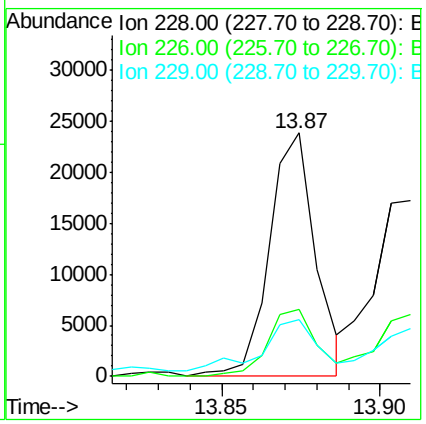


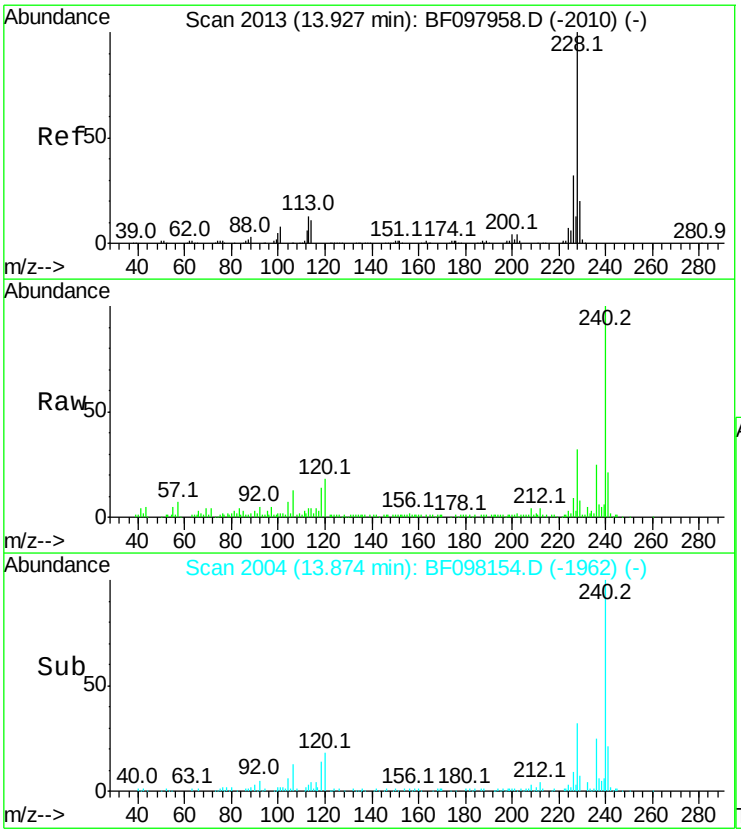
#80
Benzo(a)anthracene
Concen: 2.374 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 24279

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	23.4	16.3	24.5

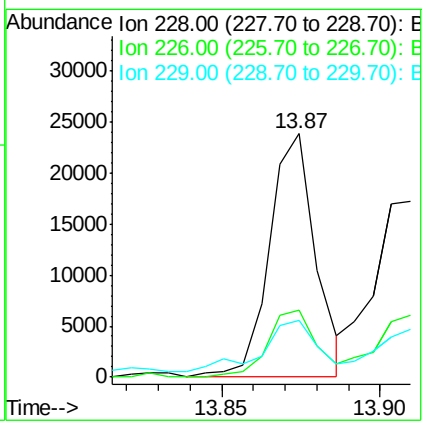


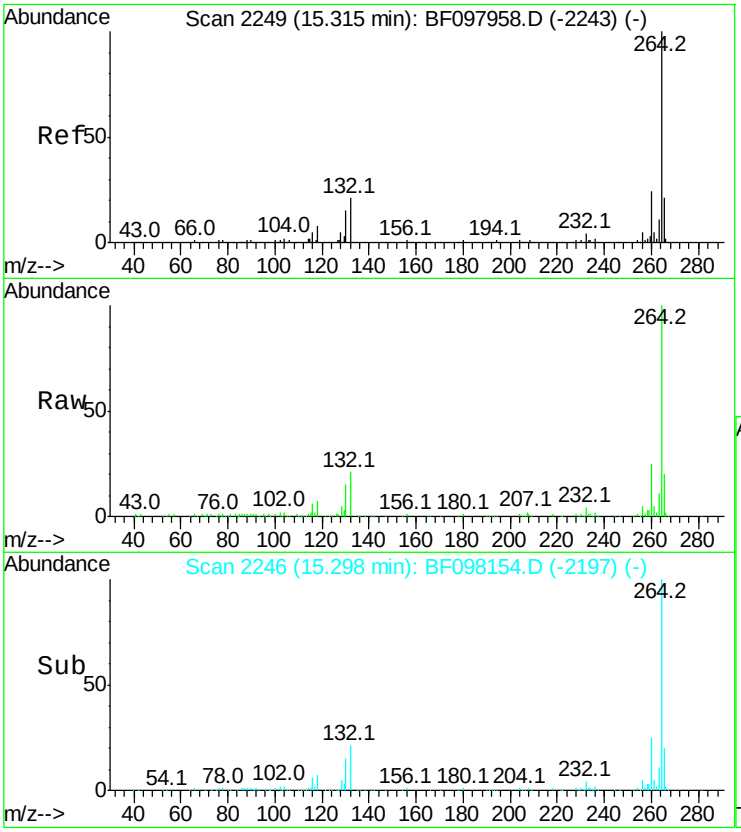


#82
Chrysene
Concen: 2.387 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.05 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Tgt Ion:228 Resp: 24279

Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.9	37.3
229	23.4	15.8	23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF098154.D
Acq: 30 Aug 2017 12:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 152167

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	20.4	17.2	25.8