Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
Data File : BF099585.D
Acq On : 17 Oct 2017 17:10
Operator : SJ/JU
Sample : I5794-05 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 17 22:51:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 17:32:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	105036	20.00	ng		0.00
21) Naphthalene-d8	8.11	136	401834	20.00	ng		0.00
38) Acenaphthene-d10	9.87	164	147365	20.00	ng		0.01
63) Phenanthrene-d10	11.37	188	207481	20.00	ng		0.02
75) Chrysene-d12	14.00	240	178931	20.00	ng		0.00
86) Perylene-d12	15.46	264	193674	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	340196	51.56	ng		0.00
7) Phenol-d6	6.46	99	403308	49.55	ng		-0.01
23) Nitrobenzene-d5	7.39	82	228390	36.45	ng		0.00
41) 2,4,6-Tribromophenol	10.67	330	57193	47.43	ng		0.01
44) 2-Fluorobiphenyl	9.19	172	377039	42.71	ng		0.00
78) Terphenyl-d14	12.94	244	244957	31.13	ng		0.01
Target Compounds							Qvalue
10) Phenol	6.47	94	22443	2.47	ng		93
22) Acetophenone	7.22	105	27361	2.81	ng	#	55
35) Caprolactam	8.56	113	4649	2.62	ng	#	1
37) 2-Methylnaphthalene	8.83	142	47273	3.85	ng		92
49) Dimethylphthalate	9.58	163	85739	7.71	ng	#	71
50) 2,6-Dinitrotoluene	9.67	165	8664	3.58	ng	#	50
52) 3-Nitroaniline	9.82	138	11373	4.03	ng	#	17
53) 2,4-Dinitrophenol	9.94	184	380	6.11	ng	#	1
56) 2,4-Dinitrotoluene	10.07	165	9476	3.02	ng	#	60
57) Fluorene	10.43	166	29100	2.95	ng	#	60
61) 4-Nitroaniline	10.33	138	30526	11.21	ng		83
62) Azobenzene	10.59	77	60725	6.08	ng	#	1
65) n-Nitrosodiphenylamine	10.53	169	93176	12.96	ng	#	46
70) Phenanthrene	11.39	178	71587	6.45	ng	#	74
71) Anthracene	11.49	178	39539	3.48	ng	#	1
74) Fluoranthene	12.81	202	61054	5.43	ng		79
77) Pyrene	12.81	202	61054	4.47	ng	#	86

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

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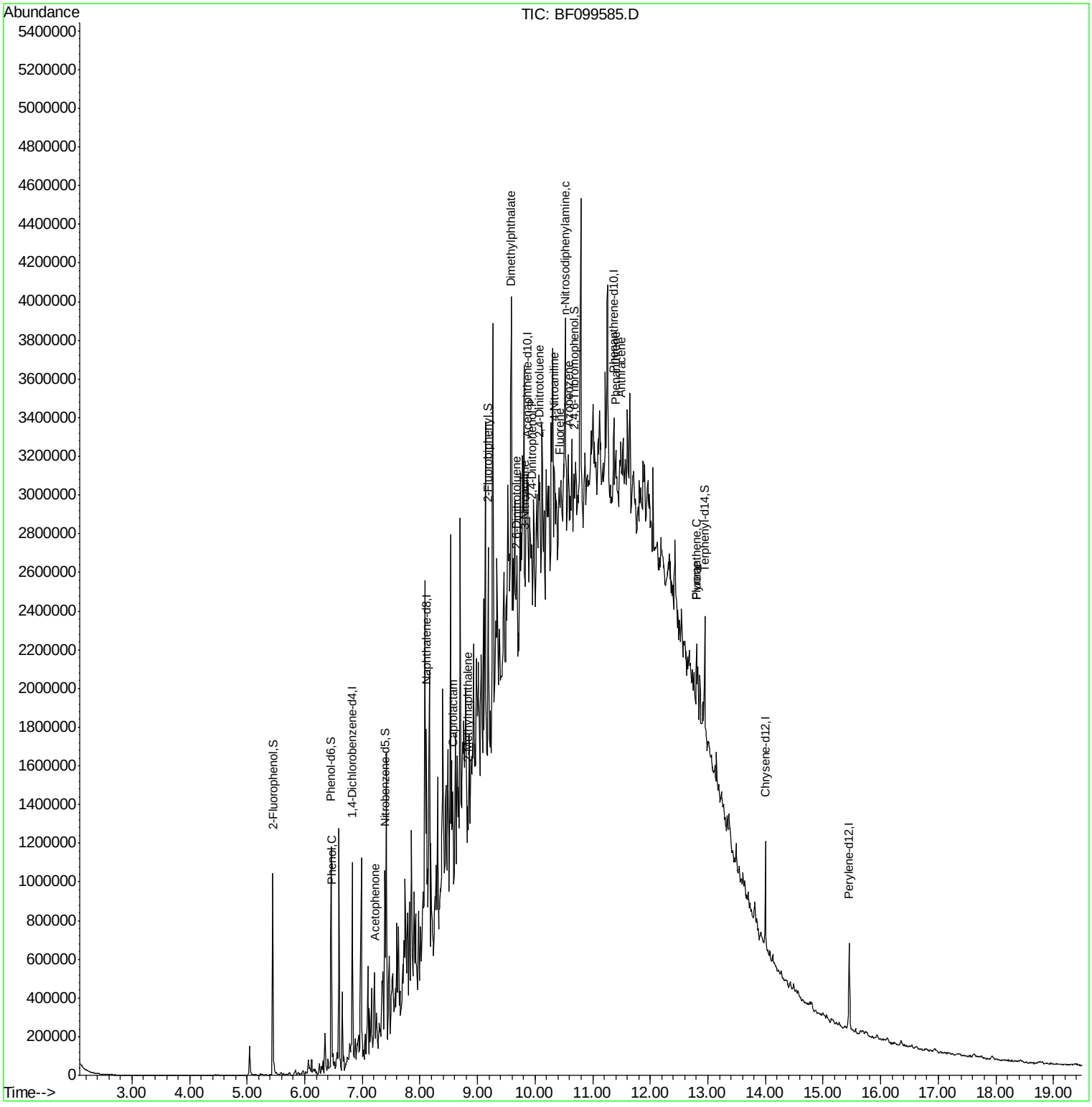
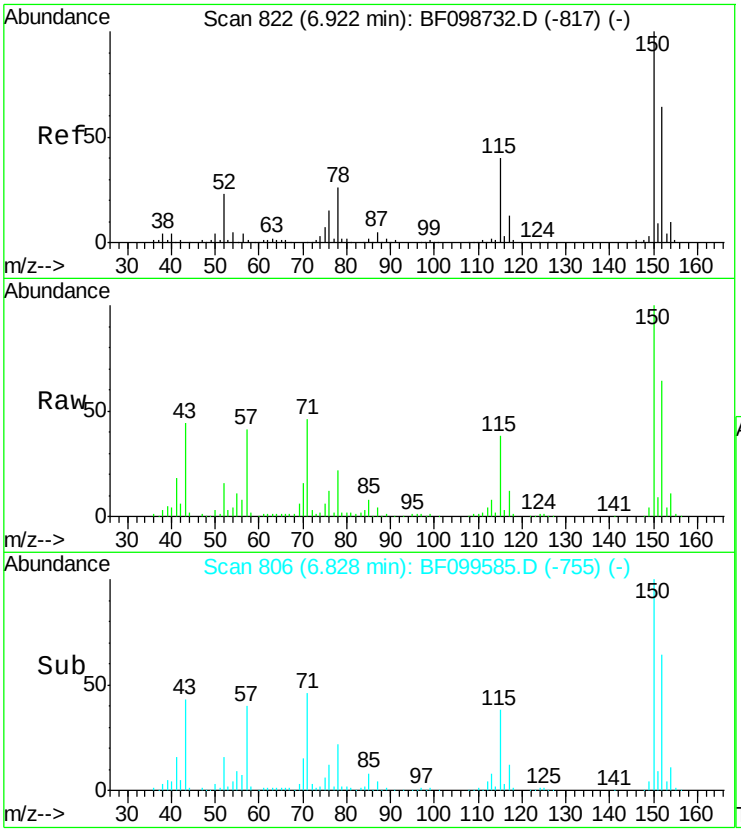


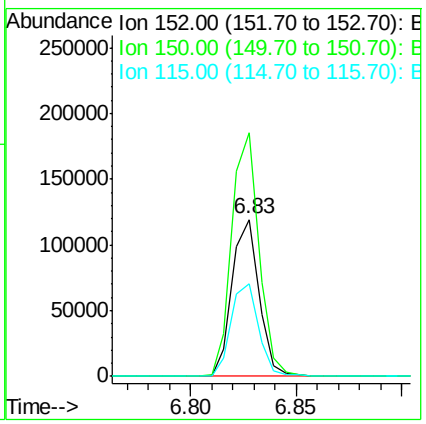


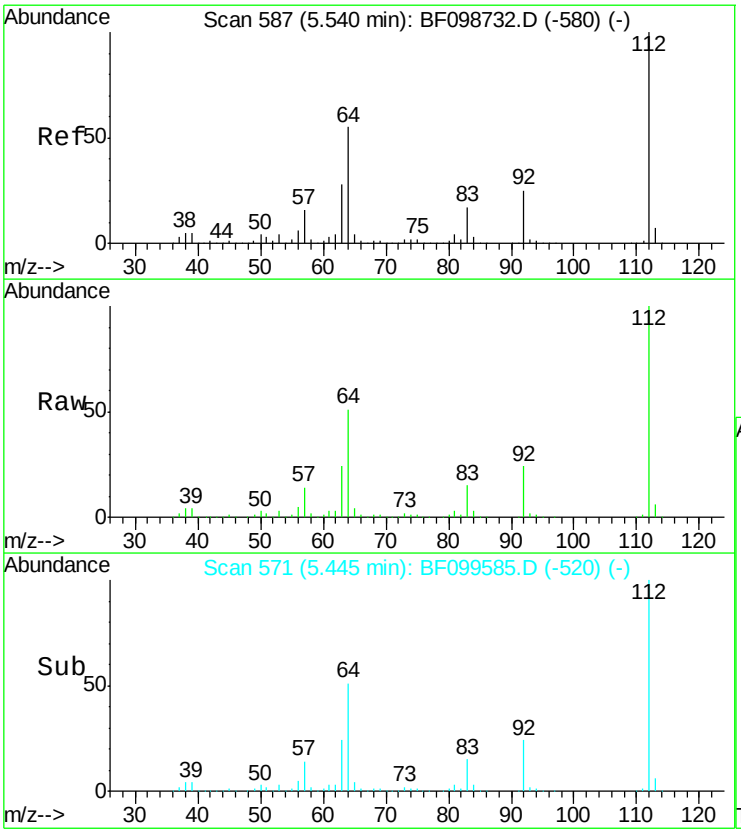
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 105036

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.1	50.1	75.1

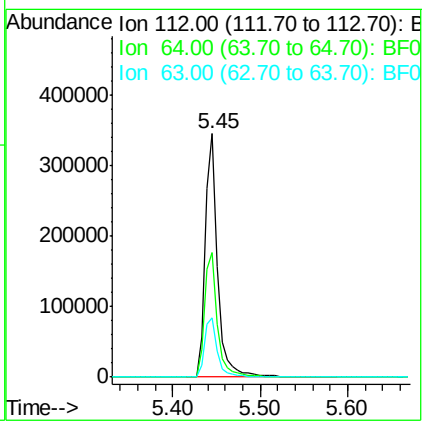


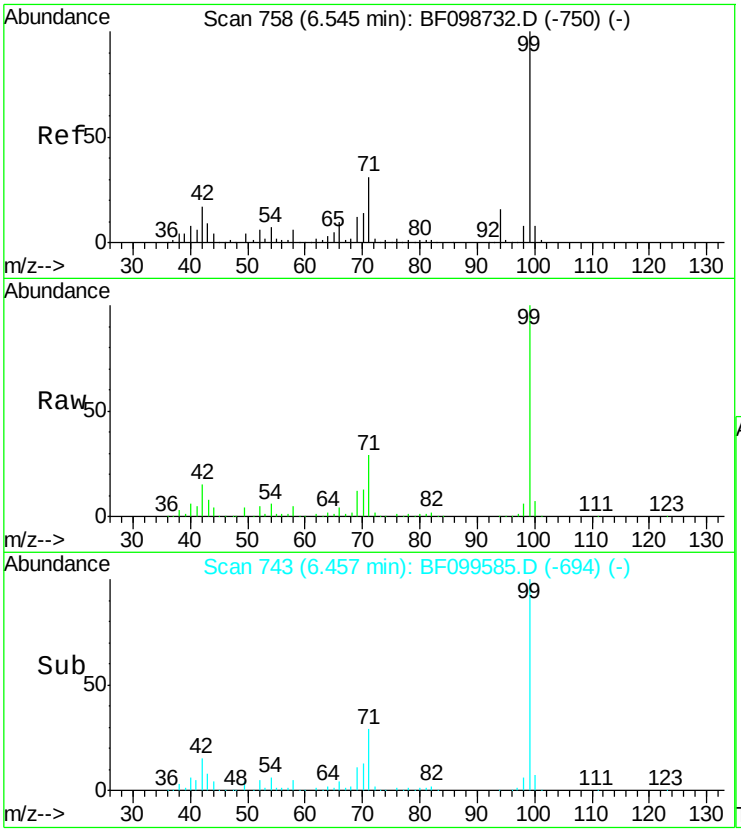


#5
2-Fluorophenol
Concen: 51.56 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:112 Resp: 340196

Ion	Ratio	Lower	Upper
112	100		
64	50.9	47.9	71.9
63	24.2	23.7	35.5



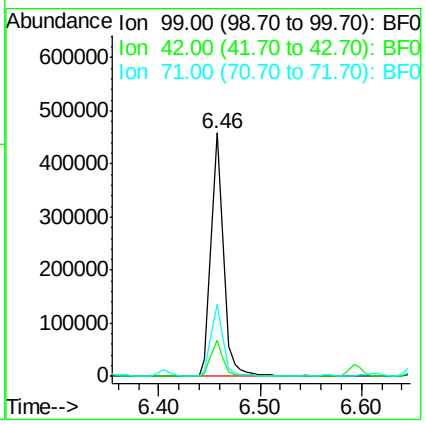


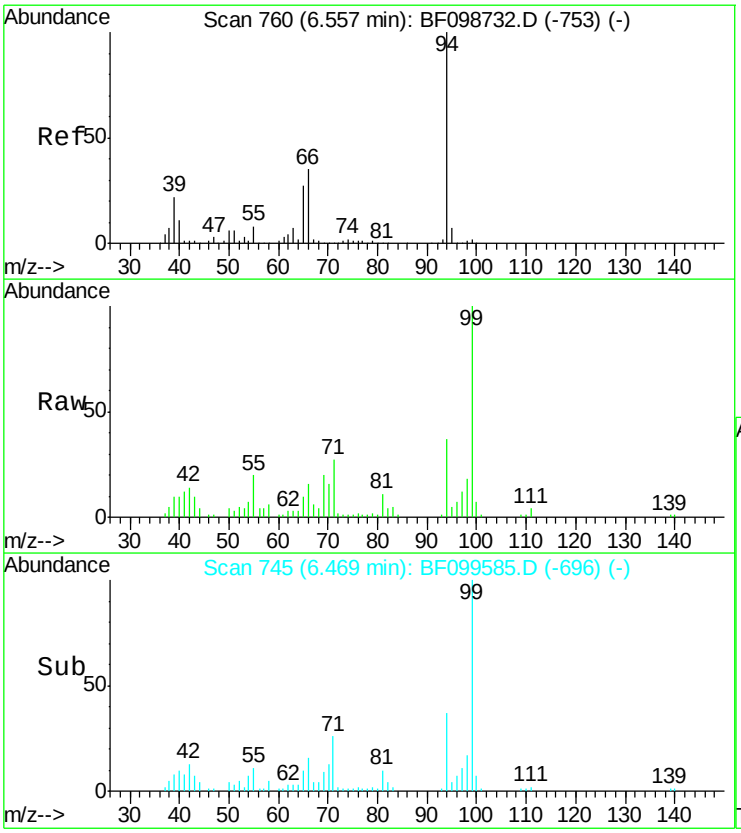
#7
Phenol-d6
Concen: 49.55 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 403308

Ion	Ratio	Lower	Upper
99	100		
42	15.1	14.5	21.7
71	29.4	25.4	38.0

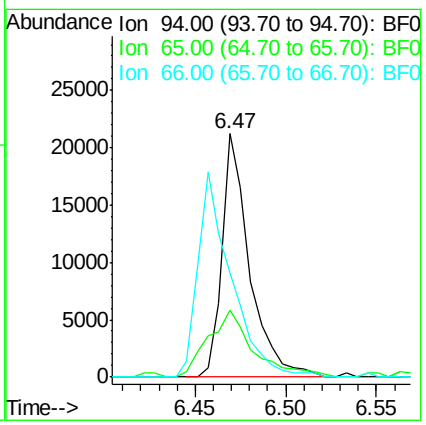


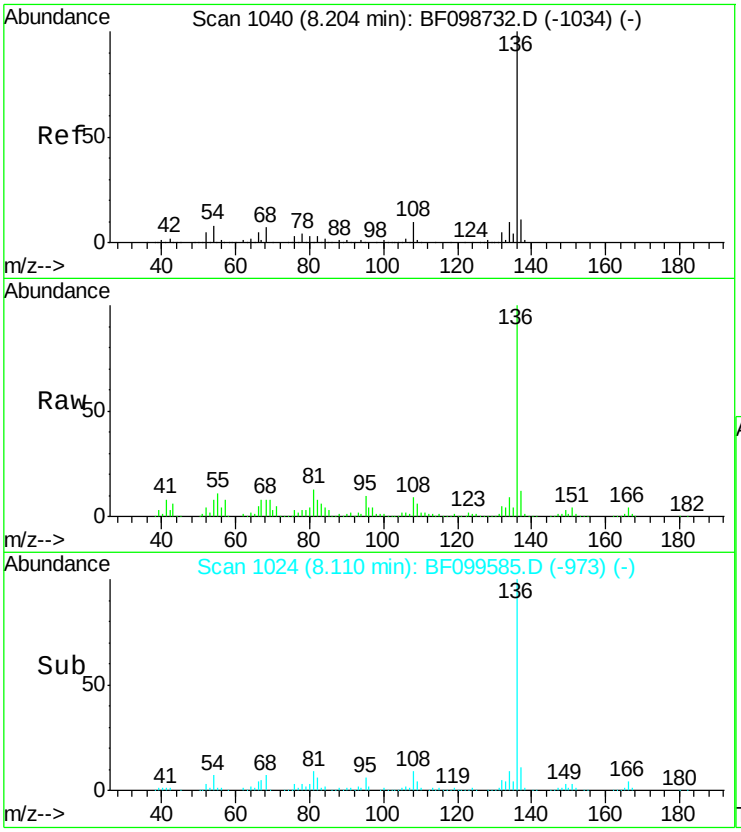


#10
Phenol
Concen: 2.47 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion: 94 Resp: 22443

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.9	47.9
66	42.7	16.2	56.2



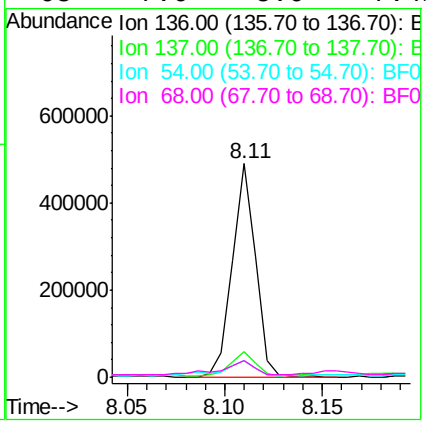


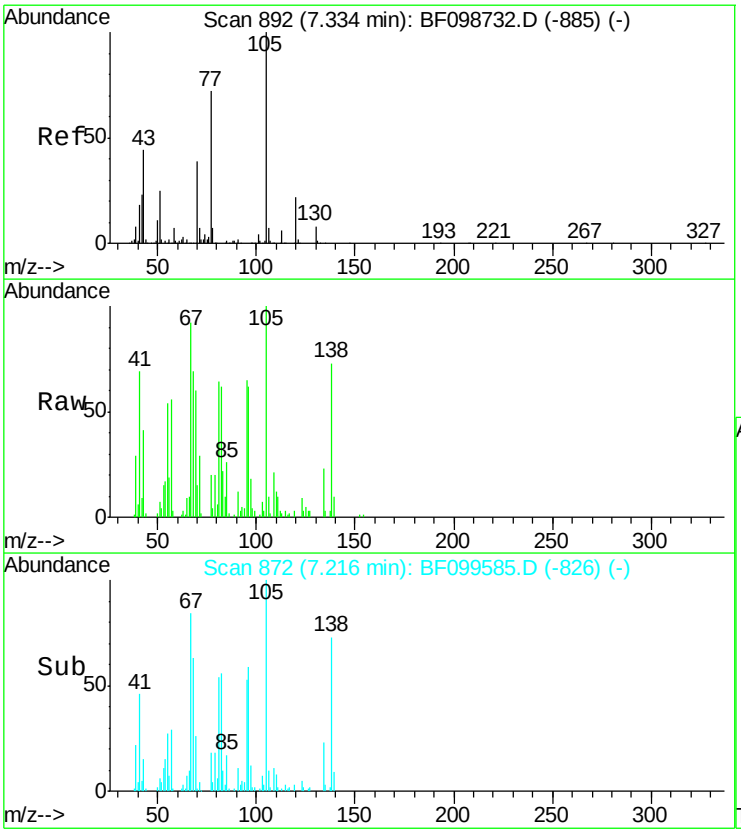
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 401834

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	7.9	6.6	9.8
68	7.6	5.0	7.4#

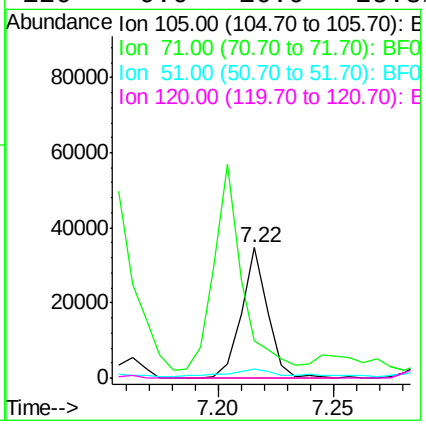


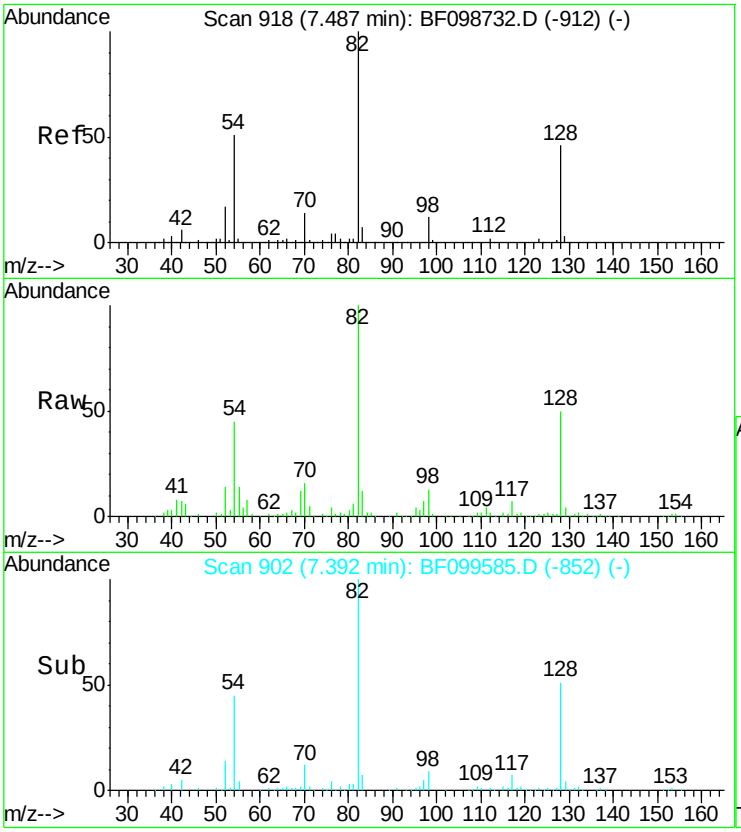


#22
Acetophenone
Concen: 2.81 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.03 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:105 Resp: 27361

Ion	Ratio	Lower	Upper
105	100		
71	28.5	4.4	6.6#
51	6.9	22.3	33.5#
120	0.0	16.9	25.3#



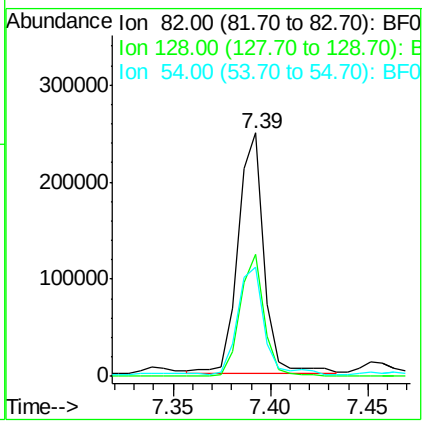


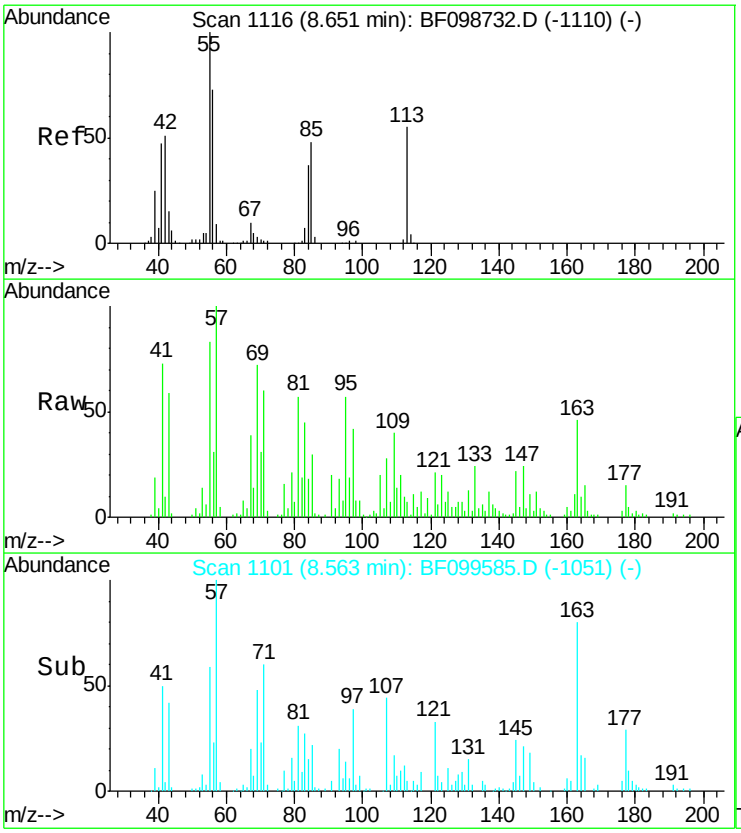
#23
Nitrobenzene-d5
Concen: 36.45 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 228390

Ion	Ratio	Lower	Upper
82	100		
128	50.1	36.1	54.1
54	44.8	41.4	62.2

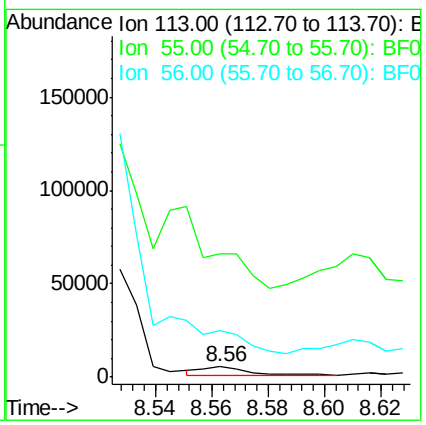


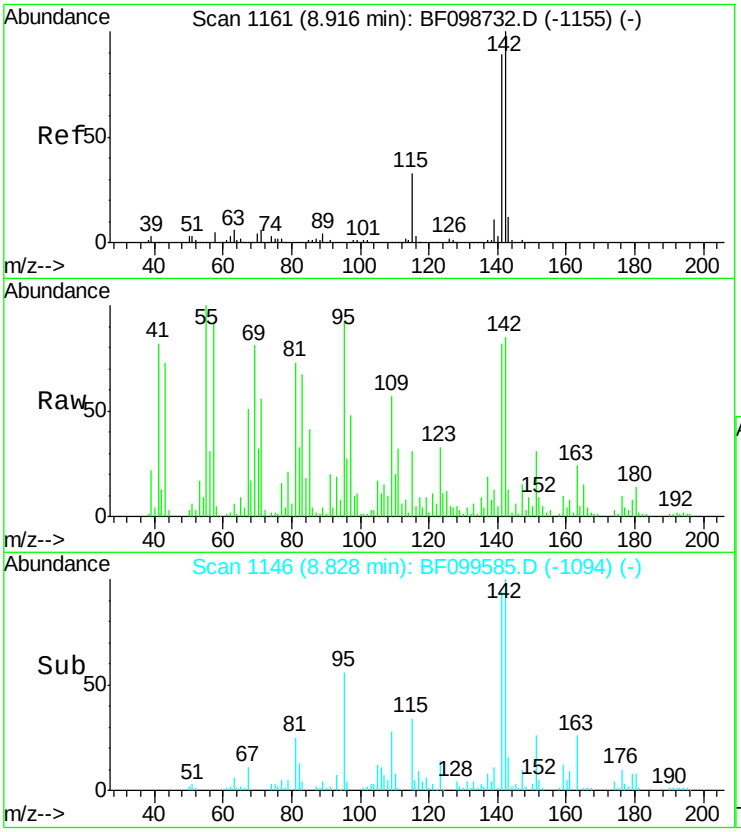


#35
Caprolactam
Concen: 2.62 ng
RT: 8.56 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:113 Resp: 4649

Ion	Ratio	Lower	Upper
113	100		
55	1222.0	163.3	203.3#
56	458.0	115.7	155.7#



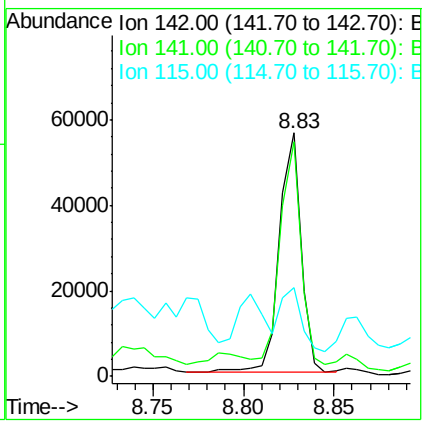


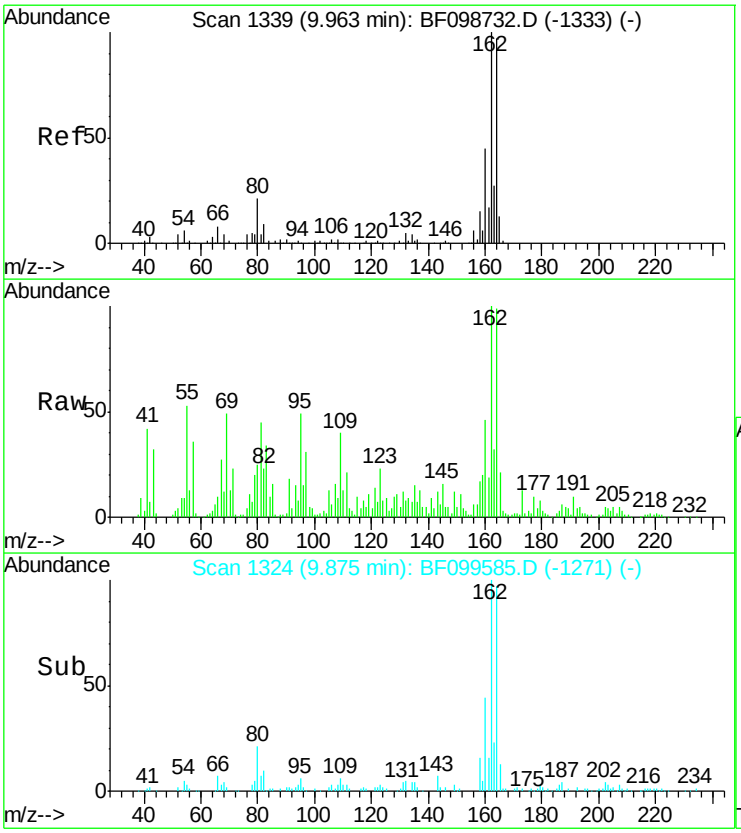
#37
2-Methylnaphthalene
Concen: 3.85 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 47273

Ion	Ratio	Lower	Upper
142	100		
141	96.3	70.8	106.2
115	36.5	26.1	39.1

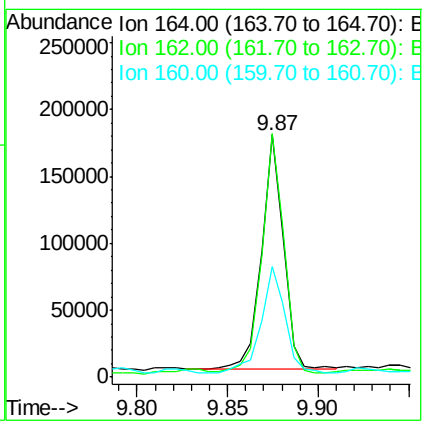


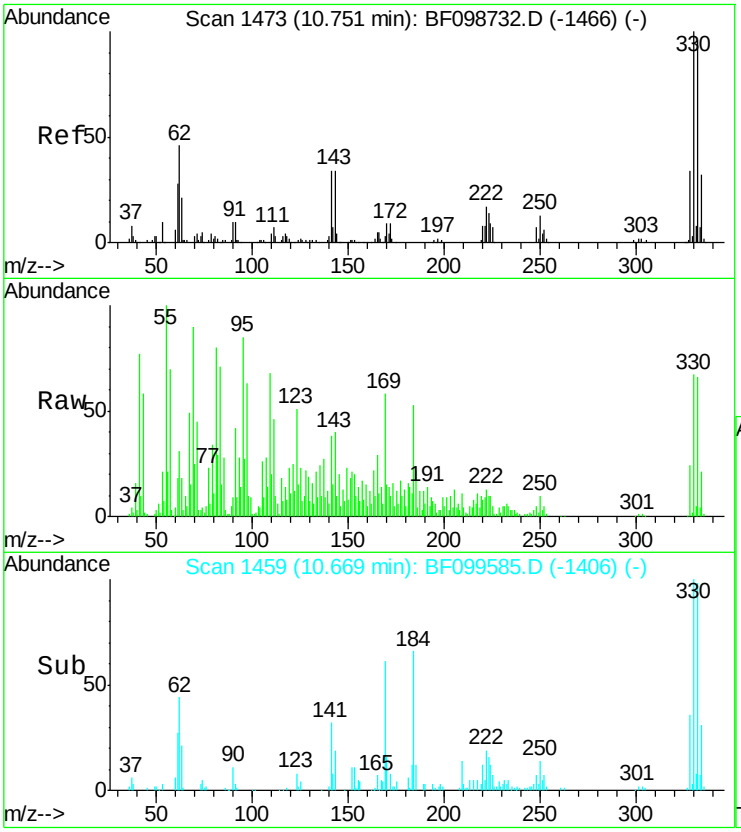


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:164 Resp: 147365

Ion	Ratio	Lower	Upper
164	100		
162	100.6	86.1	129.1
160	45.8	38.3	57.5



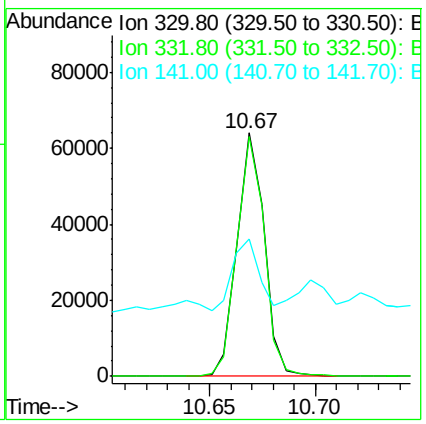


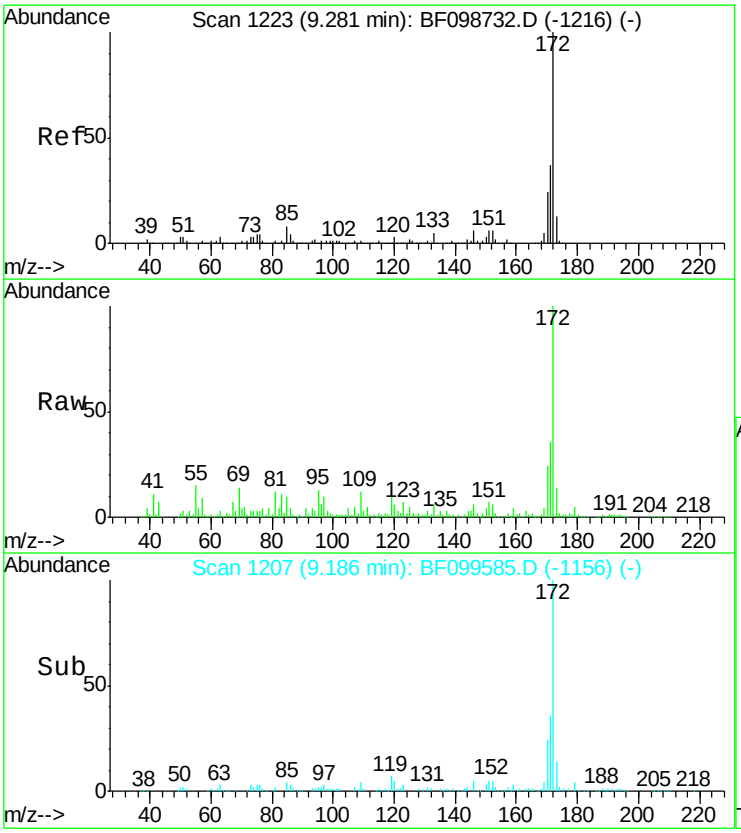
#41
2,4,6-Tribromophenol
Concen: 47.43 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 57193

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	27.7	29.9	44.9#

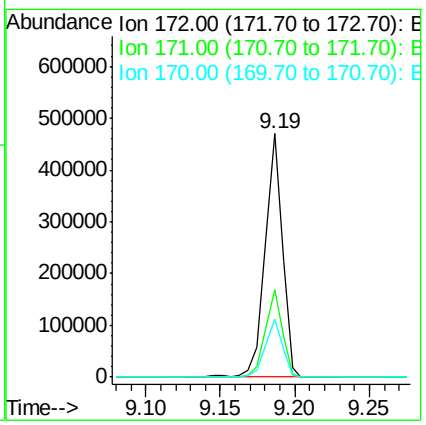


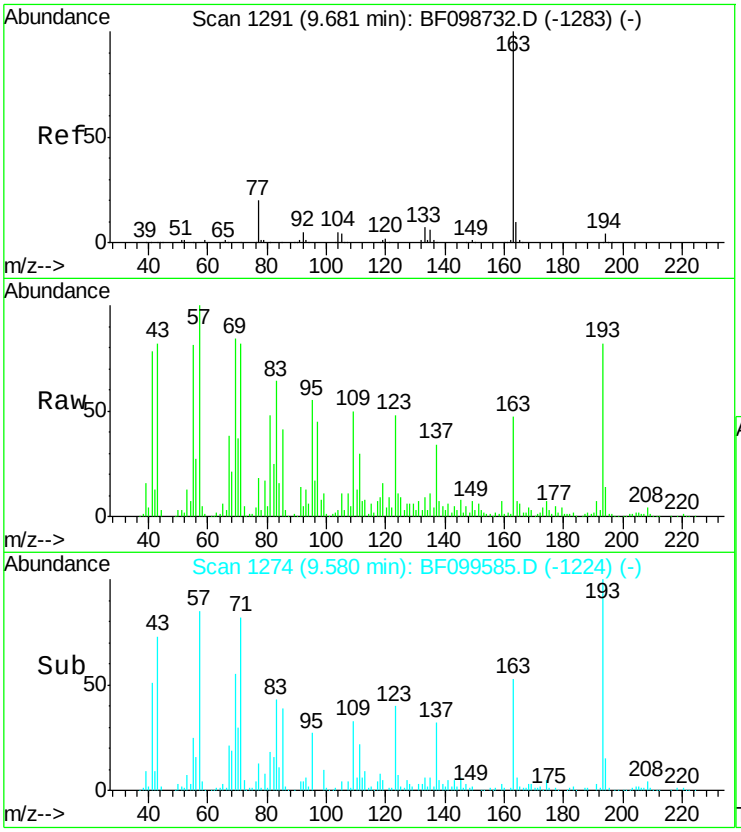


#44
2-Fluorobiphenyl
Concen: 42.71 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:172 Resp: 377039

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	19.6	29.4



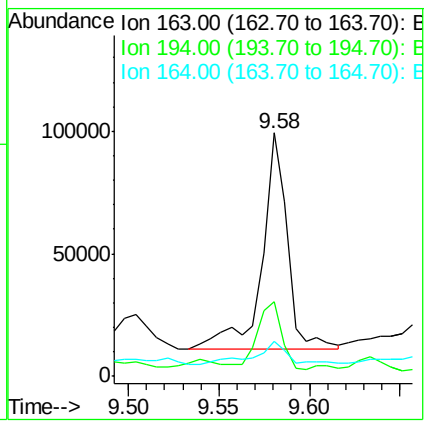


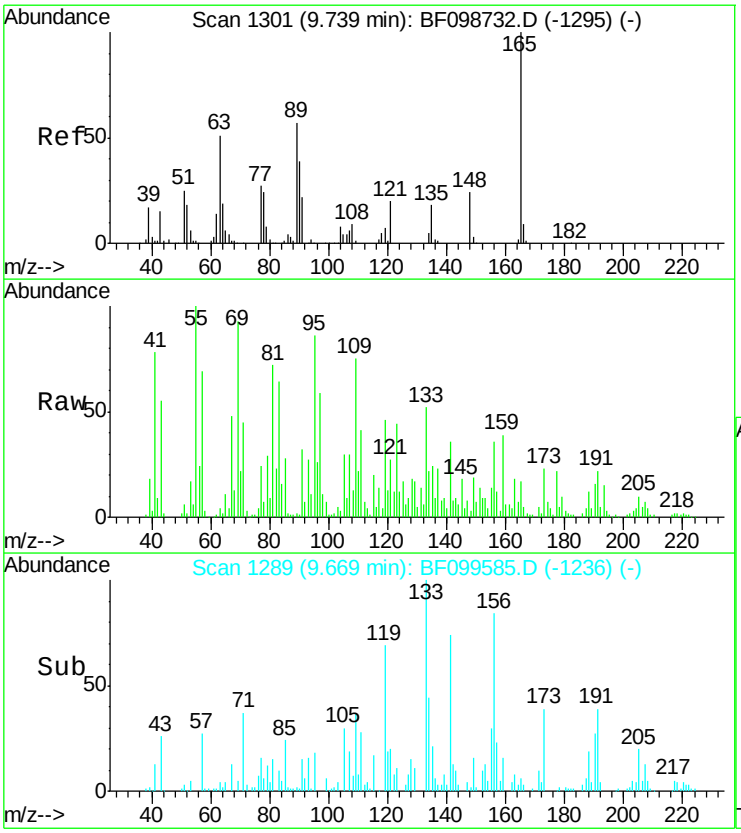
#49
Dimethylphthalate
Concen: 7.71 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 85739

Ion	Ratio	Lower	Upper
163	100		
194	30.7	2.7	4.1#
164	14.4	8.2	12.2#

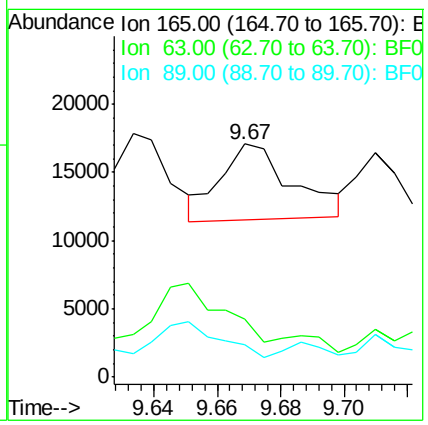


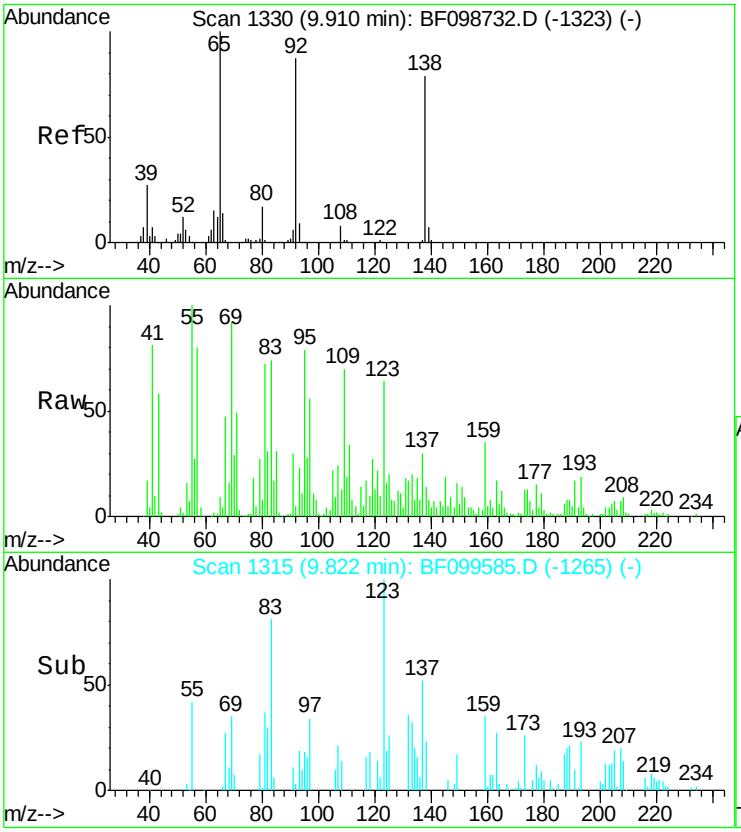


#50
2,6-Dinitrotoluene
Concen: 3.58 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:165 Resp: 8664

Ion	Ratio	Lower	Upper
165	100		
63	25.0	44.7	67.1#
89	13.7	44.0	66.0#



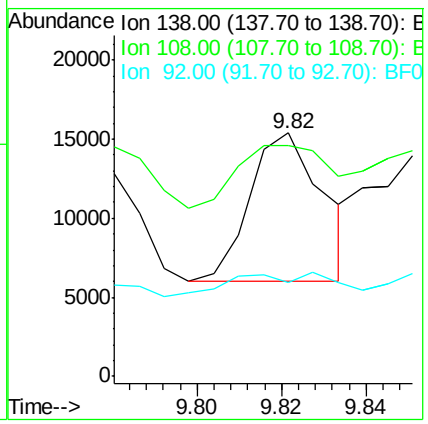


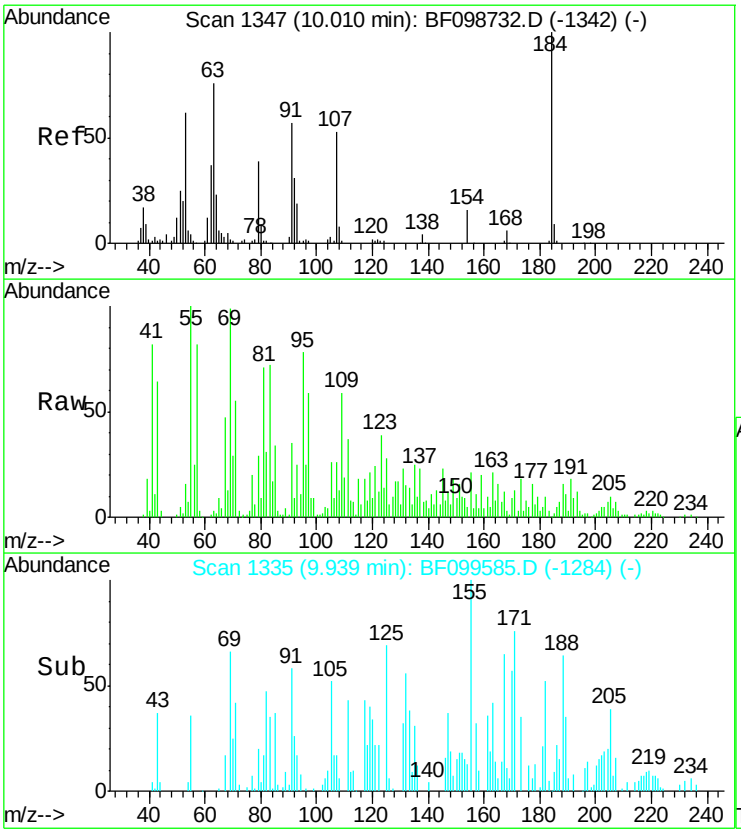
#52
3-Nitroaniline
Concen: 4.03 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:138 Resp: 11373

Ion	Ratio	Lower	Upper
138	100		
108	94.9	9.4	14.0#
92	38.7	89.4	134.2#

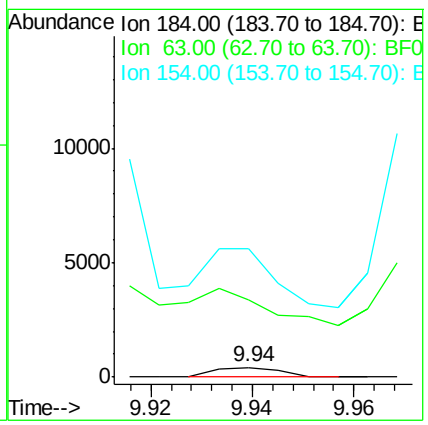


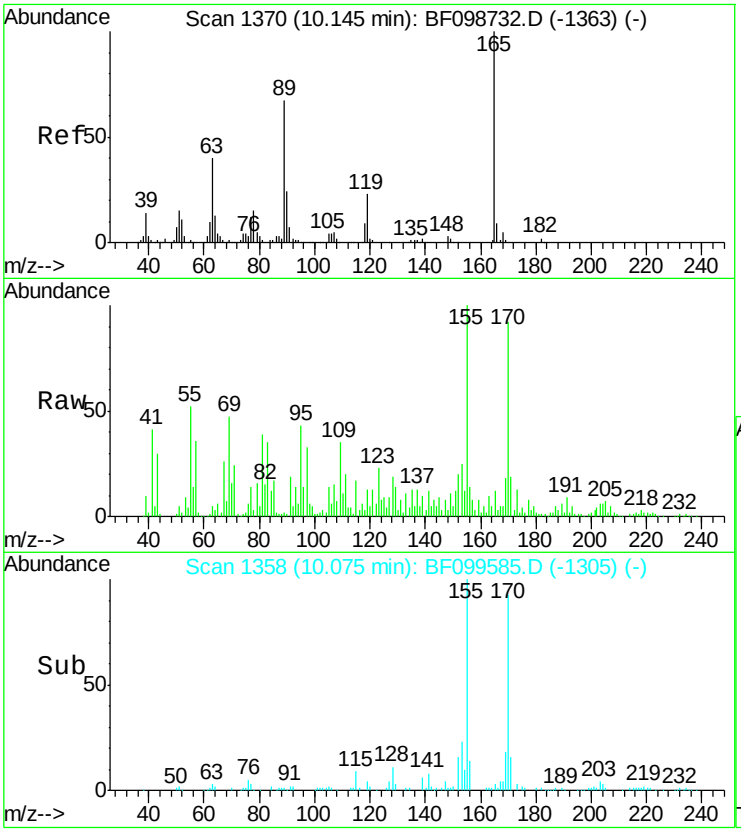


#53
2,4-Dinitrophenol
Concen: 6.11 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:184 Resp: 380

Ion	Ratio	Lower	Upper
184	100		
63	782.9	54.2	81.2#
154	1300.0	53.5	80.3#



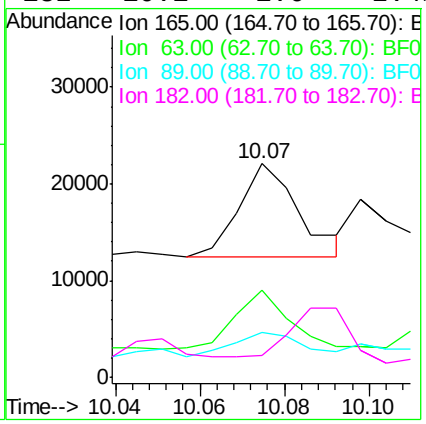


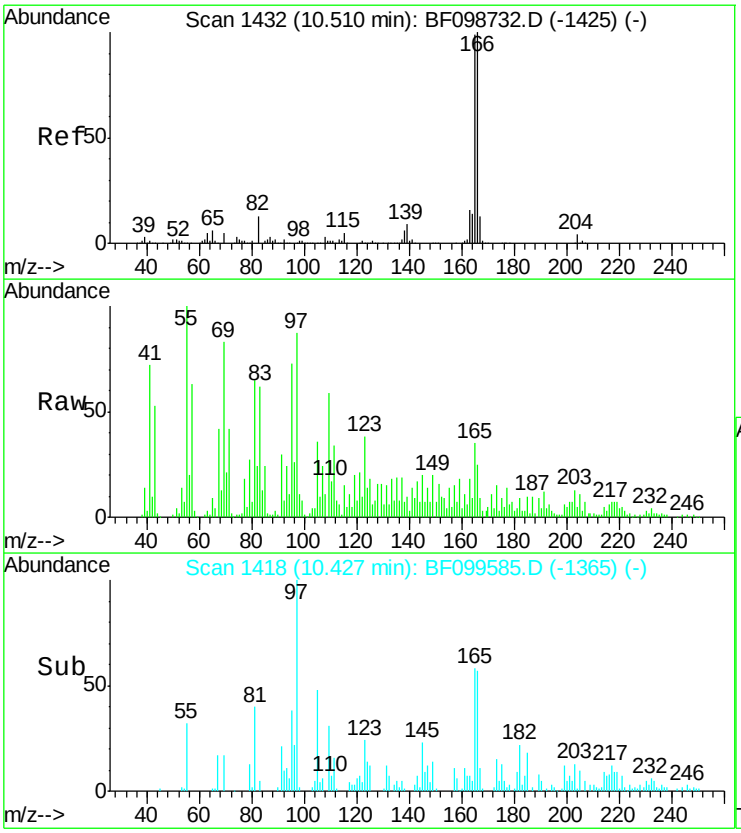
#56
2,4-Dinitrotoluene
Concen: 3.02 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9476

Ion	Ratio	Lower	Upper
165	100		
63	40.8	36.4	54.6
89	20.9	57.8	86.6#
182	10.1	1.6	2.4#

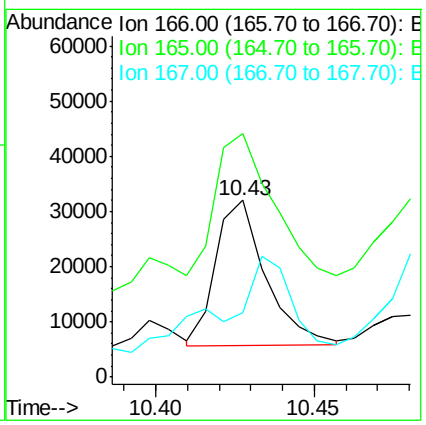


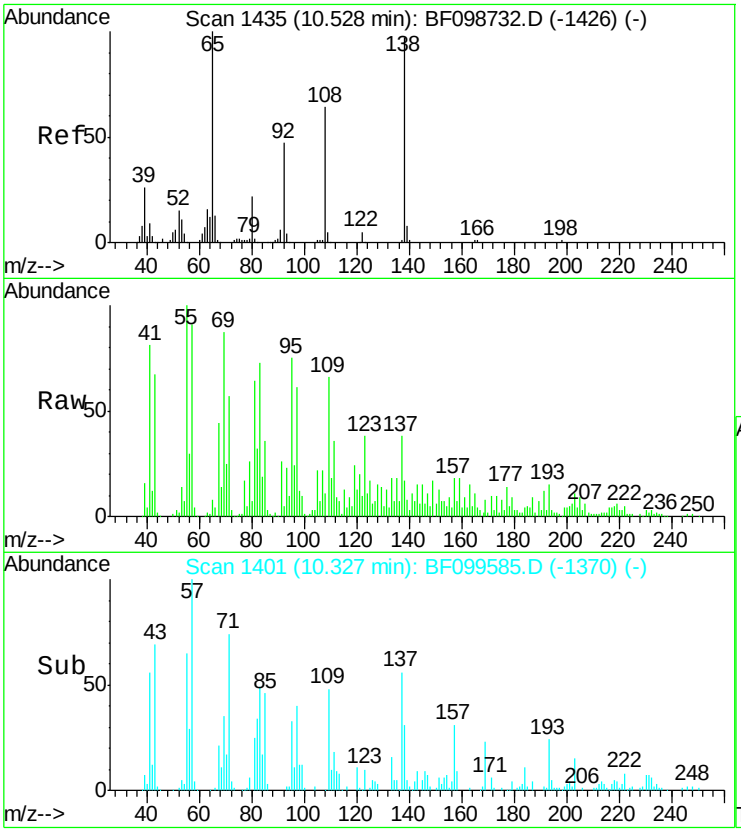


#57
Fluorene
Concen: 2.95 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:166 Resp: 29100

Ion	Ratio	Lower	Upper
166	100		
165	137.8	79.8	119.8#
167	36.8	10.6	16.0#



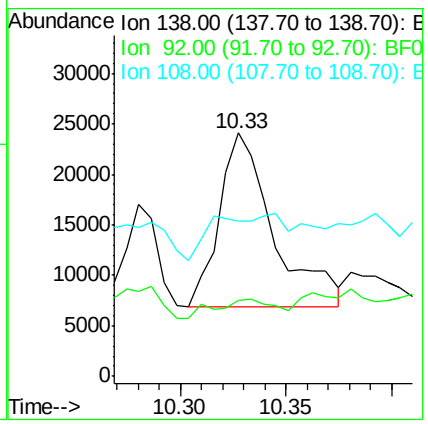


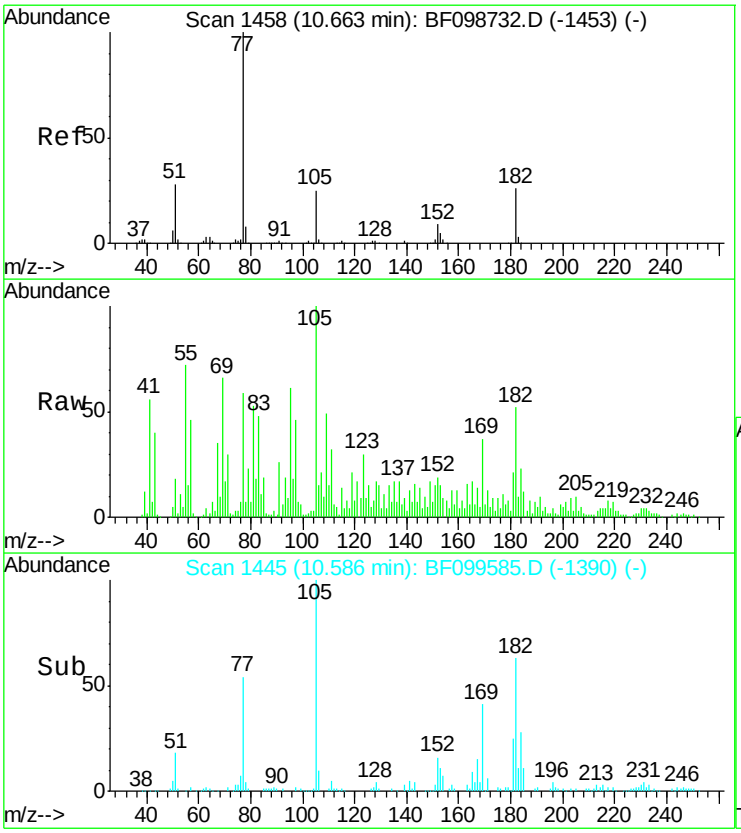
#61
4-Nitroaniline
Concen: 11.21 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.12 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:138 Resp: 30526

Ion	Ratio	Lower	Upper
138	100		
92	31.2	30.2	70.2
108	63.7	52.5	92.5

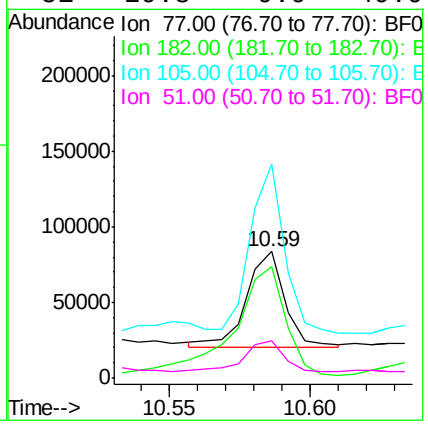


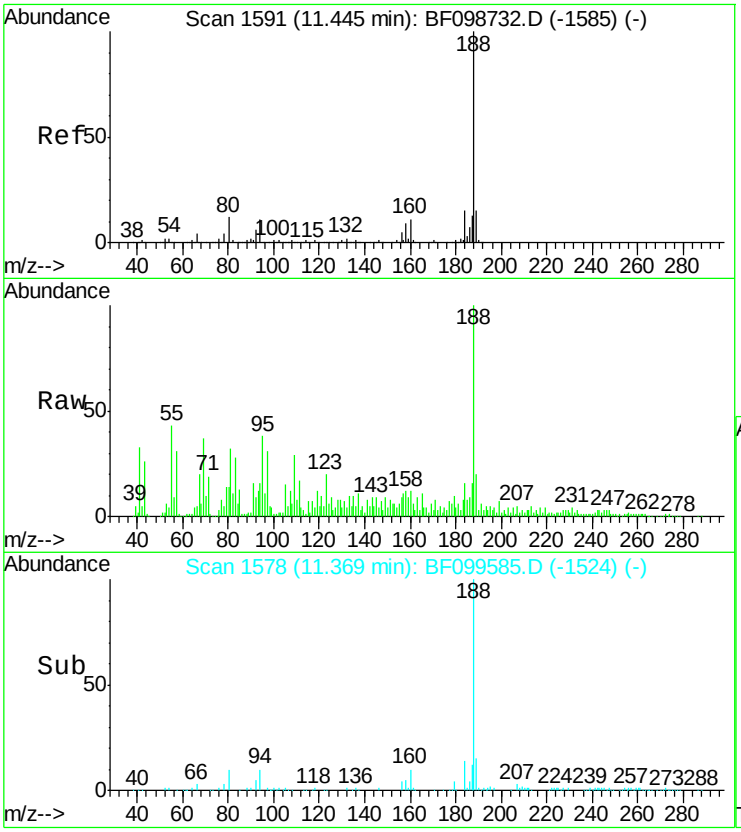


#62
Azobenzene
Concen: 6.08 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.02 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion: 77 Resp: 60725

Ion	Ratio	Lower	Upper
77	100		
182	88.2	1.7	41.7#
105	168.8	3.0	43.0#
51	29.8	9.9	49.9



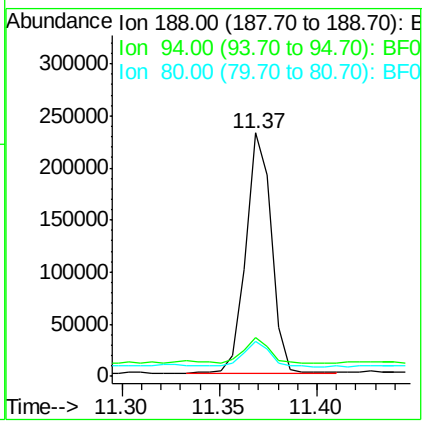


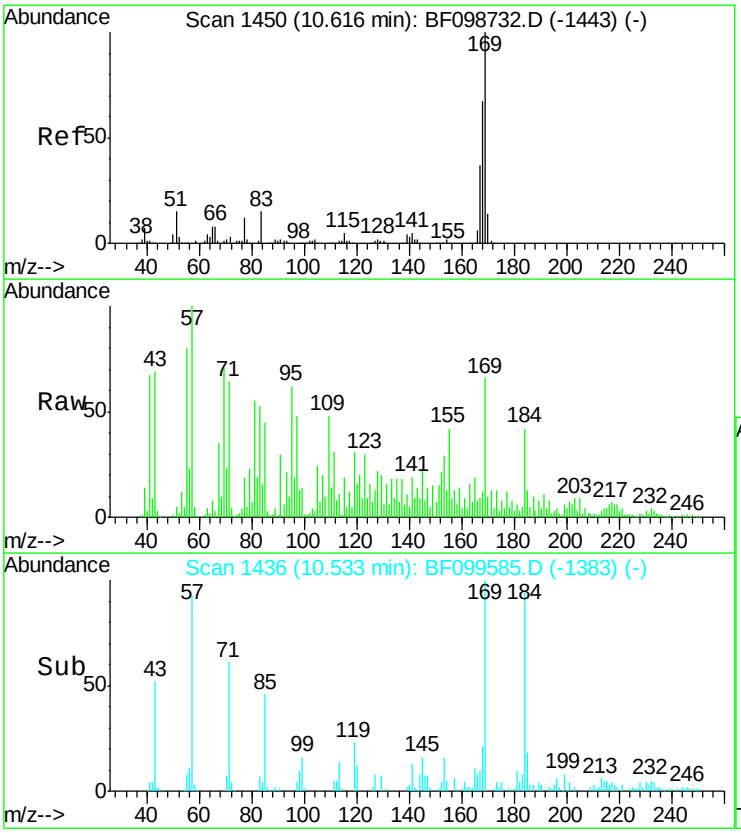
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.02 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 207481

Ion	Ratio	Lower	Upper
188	100		
94	15.7	8.5	12.7#
80	14.5	9.2	13.8#

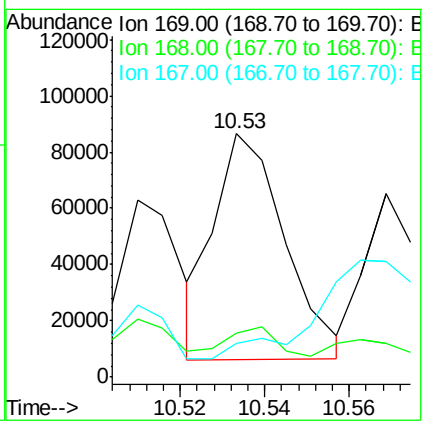


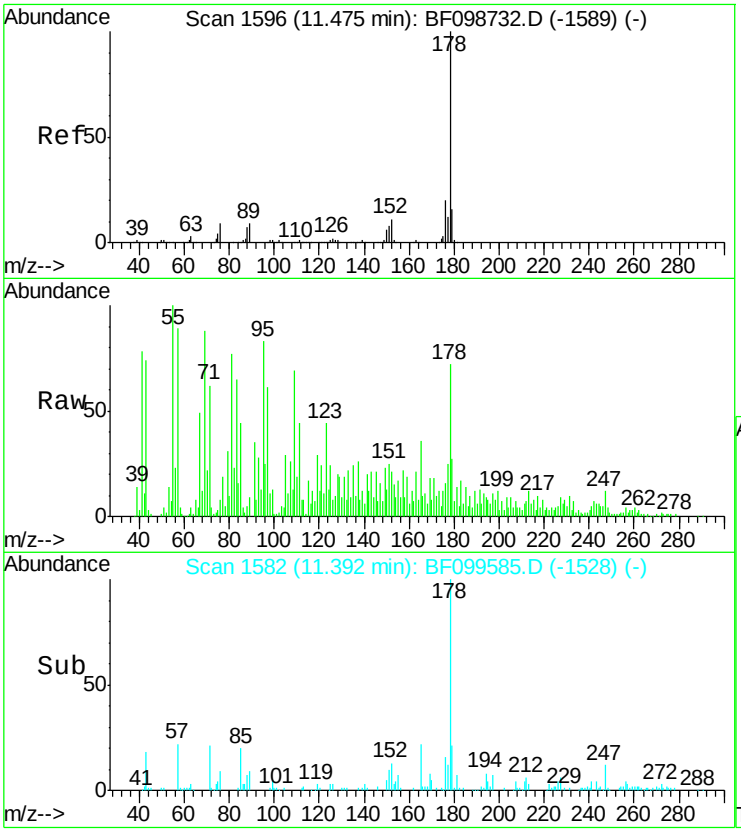


#65
n-Nitrosodiphenylamine
Concen: 12.96 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:169 Resp: 93176

Ion	Ratio	Lower	Upper
169	100		
168	18.1	54.4	81.6#
167	13.8	29.8	44.6#



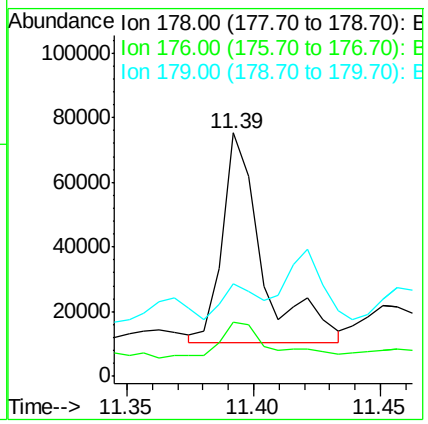


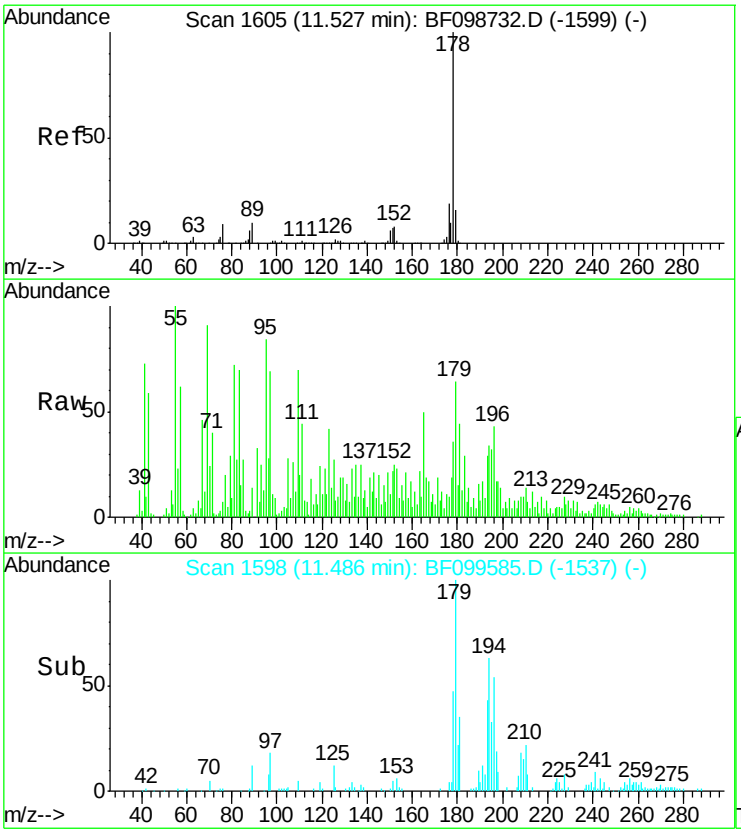
#70
Phenanthrene
Concen: 6.45 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.02 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 71587

Ion	Ratio	Lower	Upper
178	100		
176	22.3	15.8	23.8
179	37.9	13.0	19.6#

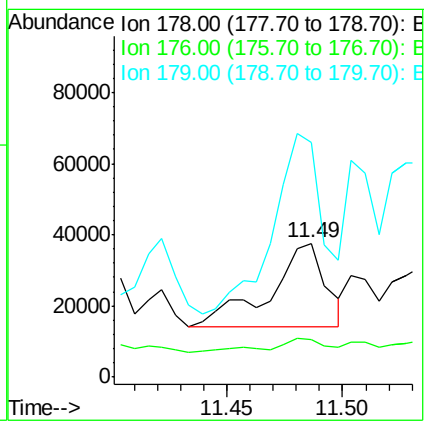


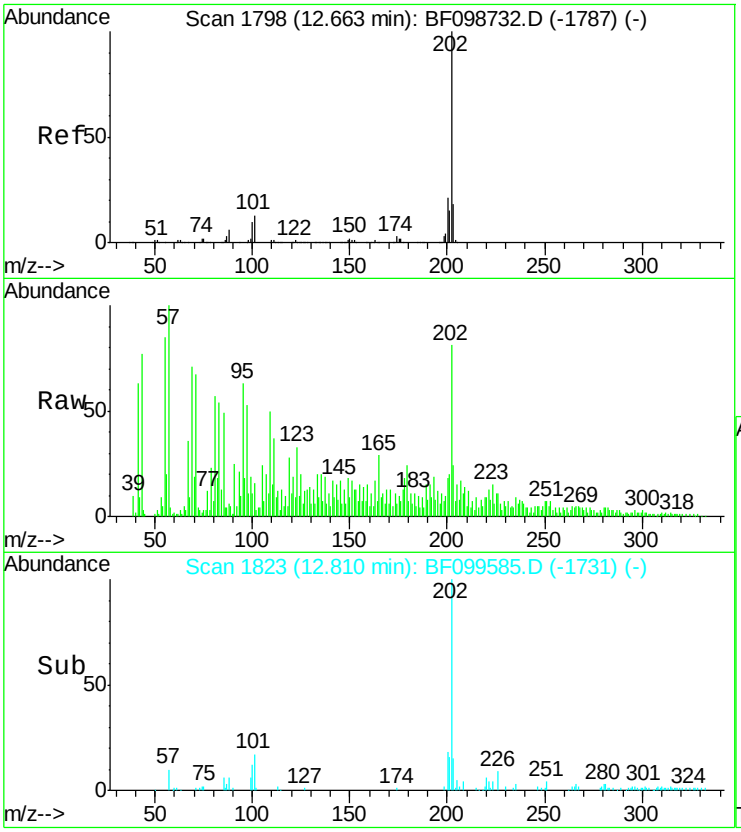


#71
Anthracene
Concen: 3.48 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.06 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:178 Resp: 39539

Ion	Ratio	Lower	Upper
178	100		
176	28.5	15.4	23.2#
179	175.0	12.6	19.0#



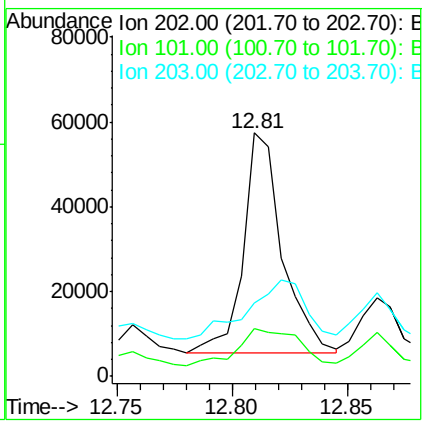


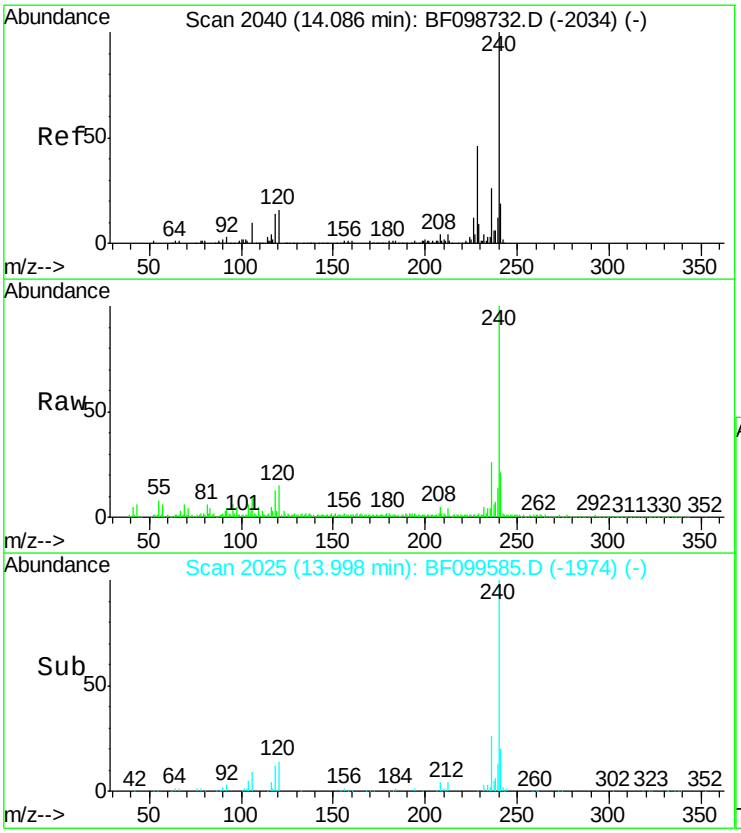
#74
Fluoranthene
Concen: 5.43 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.24 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 61054

Ion	Ratio	Lower	Upper
202	100		
101	19.6	0.0	34.1
203	30.1	0.0	38.1

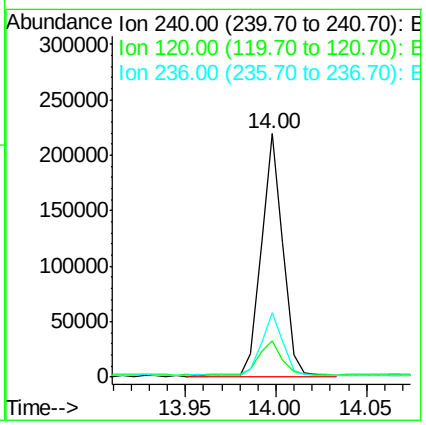


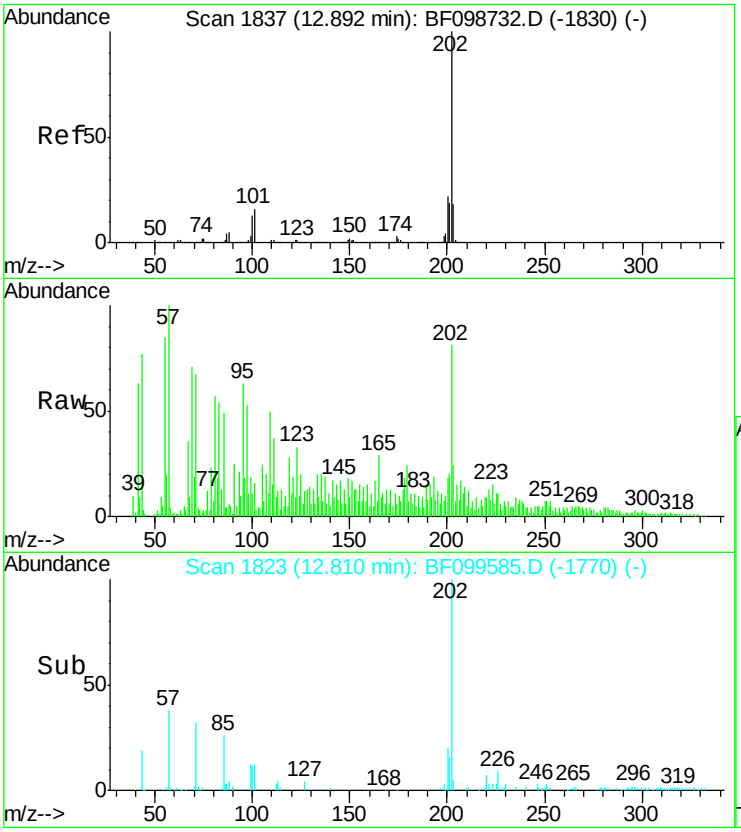


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:240 Resp: 178931

Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	26.5	20.7	31.1



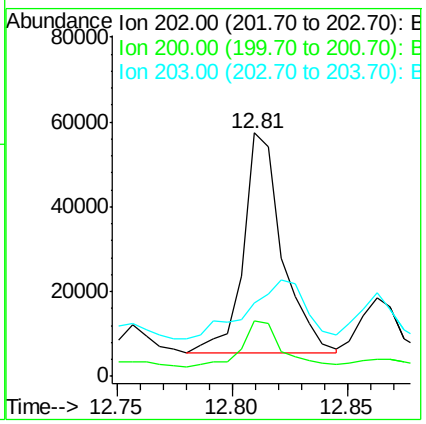


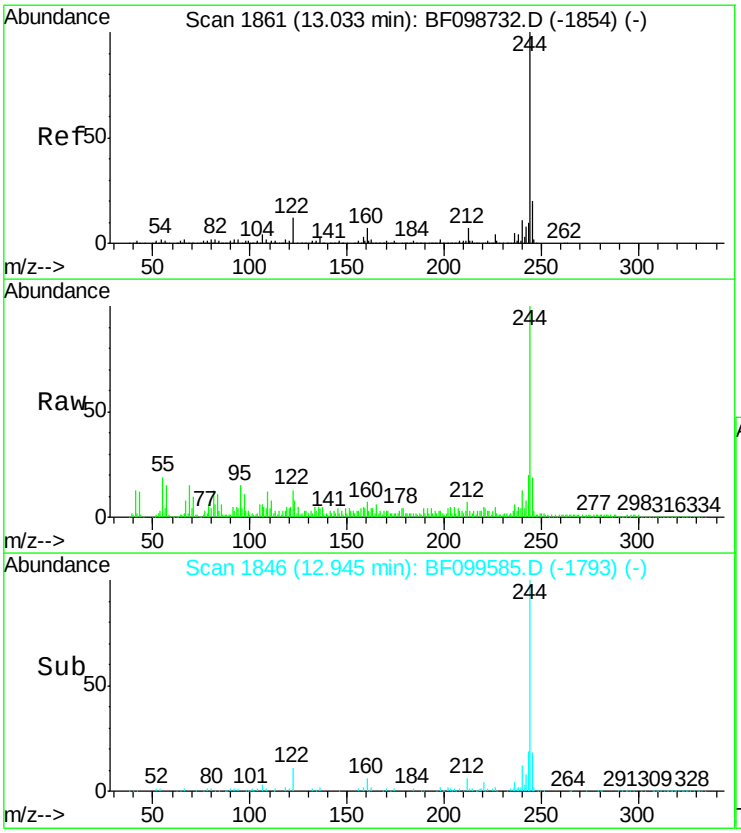
#77
Pyrene
Concen: 4.47 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 61054

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	30.1	14.3	21.5#

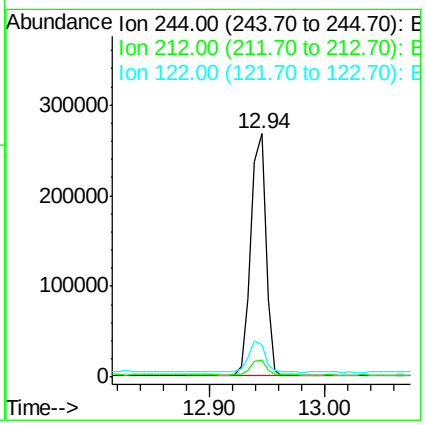


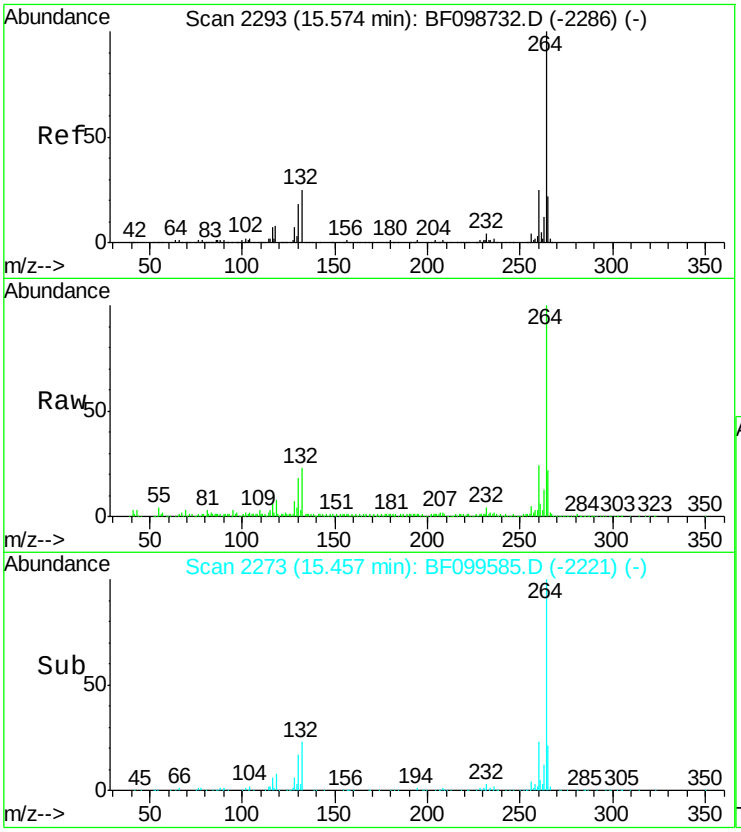


#78
Terphenyl-d14
Concen: 31.13 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Tgt Ion:244 Resp: 244957

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.5	11.0	16.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099585.D
Acq: 17 Oct 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 193674

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3