Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
Data File : BF113572.D
Acq On : 4 Apr 2019 5:16
Operator : JU/SJ
Sample : K2197-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 04 07:24:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 04 04:05:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	111055	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	386632	20.00	ng		0.00
39) Acenaphthene-d10	9.72	164	167277	20.00	ng		0.00
64) Phenanthrene-d10	11.21	188	330913	20.00	ng		0.00
76) Chrysene-d12	13.86	240	237175	20.00	ng		0.01
87) Perylene-d12	15.27	264	205689	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.30	112	143432	22.02	ng		0.00
7) Phenol-d6	6.33	99	191621	23.87	ng		0.00
23) Nitrobenzene-d5	7.25	82	95043	14.40	ng		-0.01
42) 2,4,6-Tribromophenol	10.52	330	43168	21.48	ng		0.00
45) 2-Fluorobiphenyl	9.05	172	200445	19.29	ng		0.00
79) Terphenyl-d14	12.79	244	227638	19.54	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	11522	2.328	ng	#	82
25) Isophorone	7.25	82	95042	7.475	ng	#	64
31) Naphthalene	7.99	128	1462344	78.062	ng		100
33) 4-Chloroaniline	7.99	127	193041	25.988	ng	#	32
35) Caprolactam	8.68	113	6169	3.473	ng	#	1
37) 2-Methylnaphthalene	8.68	142	309328	25.106	ng		97
38) 1-Methylnaphthalene	8.78	142	172233	14.497	ng		100
46) 1,1'-Biphenyl	9.15	154	109643	7.943	ng		97
51) 2,6-Dinitrotoluene	9.72	165	29363	10.803	ng	#	27
52) Acenaphthene	9.76	154	510477	52.474	ng		100
55) Dibenzofuran	9.93	168	758219	53.133	ng		98
56) 4-Nitrophenol	9.93	139	267060	139.316	ng	#	9
58) Fluorene	10.27	166	799288	70.817	ng		99
62) 4-Nitroaniline	10.27	138	8220	2.616	ng	#	23
71) Phenanthrene	11.25	178	3502107	212.981	ng		98
72) Anthracene	11.29	178	1406821	84.091	ng		99
73) Carbazole	11.45	167	627628	40.111	ng		99
75) Fluoranthene	12.44	202	3925746	222.798	ng		97
78) Pyrene	12.66	202	3185880	176.538	ng		97
81) Benzo(a)anthracene	13.84	228	1690509	123.561	ng		98
83) Chrysene	13.88	228	1243044	89.626	ng		97
86) Indeno(1,2,3-cd)pyrene	16.64	276	568545	44.399	ng		97
88) Benzo(b)fluoranthene	14.87	252	1876119	149.008	ng	#	96
89) Benzo(k)fluoranthene	14.87	252	1876119	166.030	ng	#	95
90) Benzo(a)pyrene	15.22	252	1032450	92.281	ng		97
91) Dibenzo(a,h)anthracene	16.79	278	137570	13.149	ng		94
92) Benzo(g,h,i)perylene	17.05	276	514526	48.181	ng		96

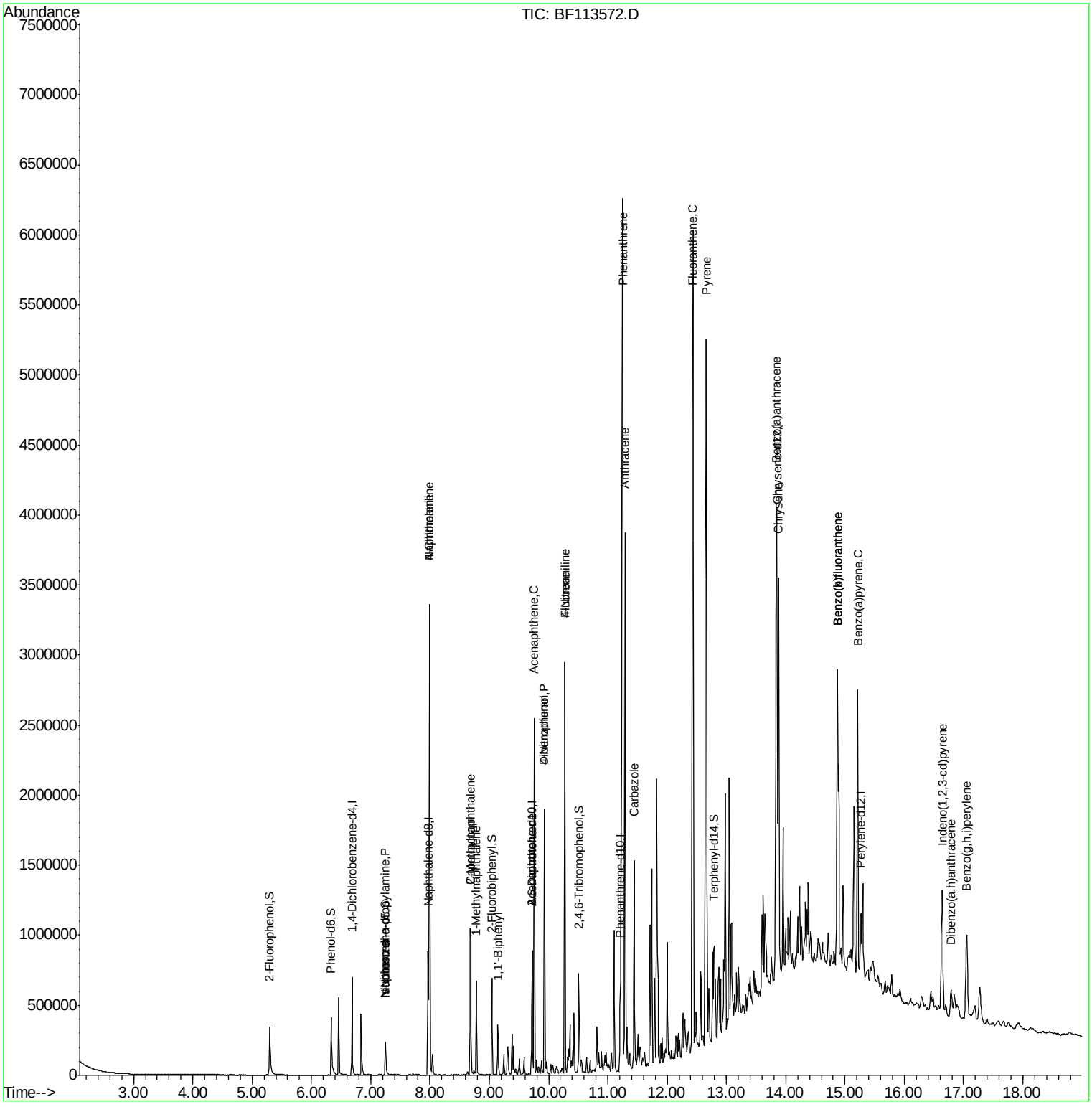
(#) = qualifier out of range (m) = manual integration (+) = signals summed

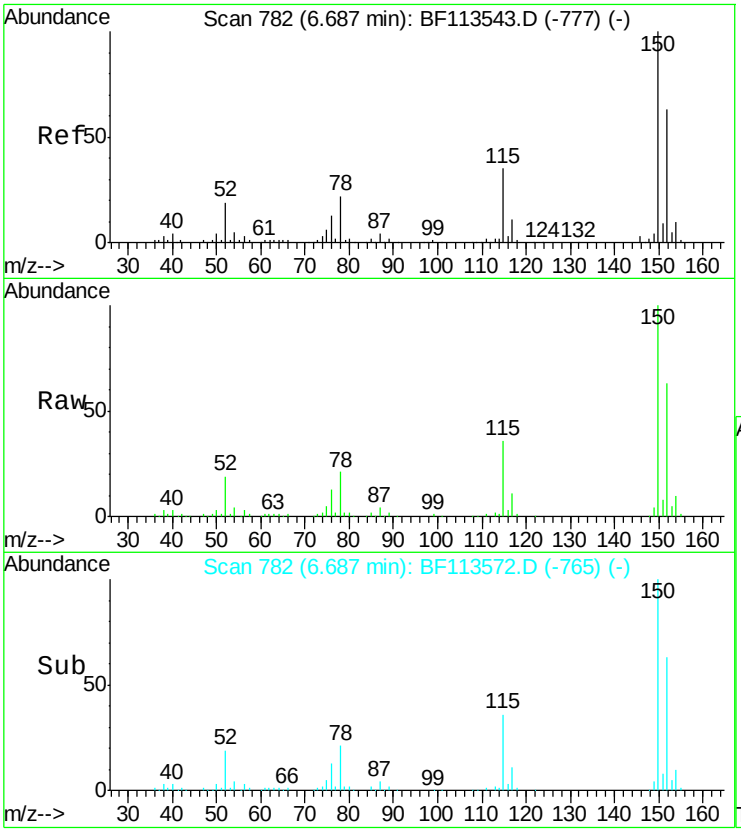
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
Data File : BF113572.D
Acq On : 4 Apr 2019 5:16
Operator : JU/SJ
Sample : K2197-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 04 07:24:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 04 04:05:31 2019
Response via : Initial Calibration



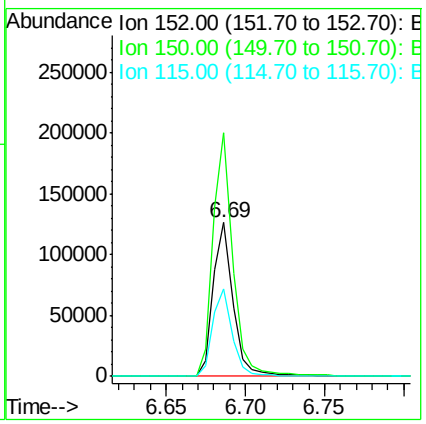


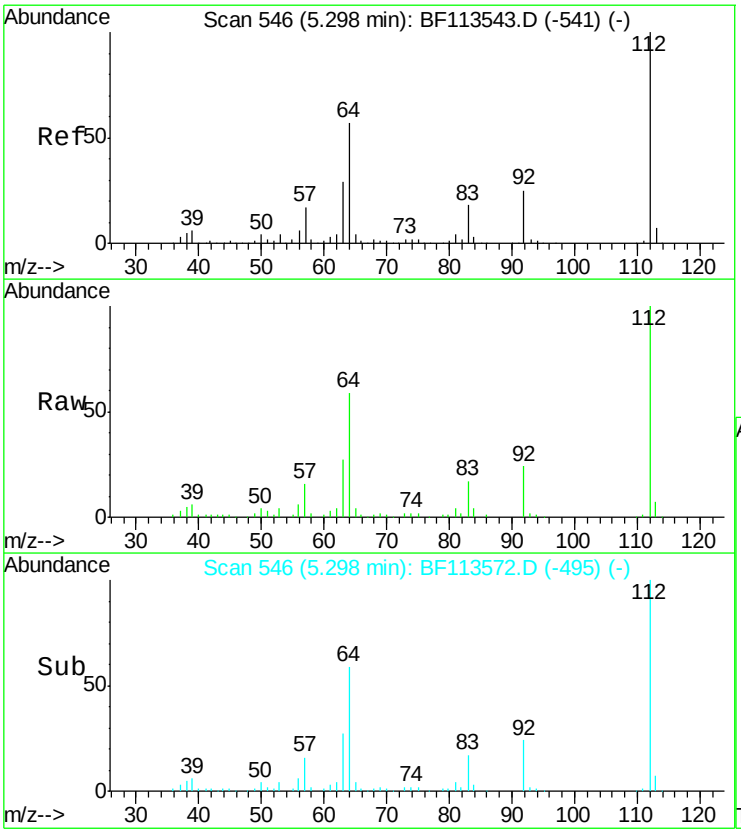
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 111055

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.7	187.1
115	56.6	46.0	69.0

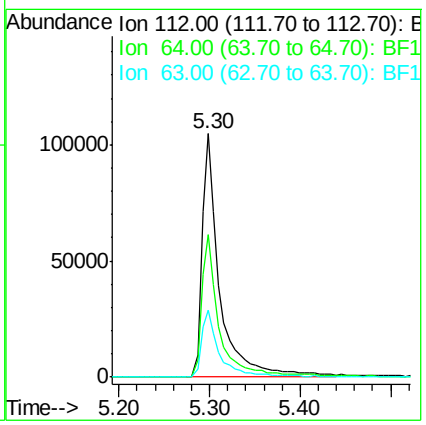


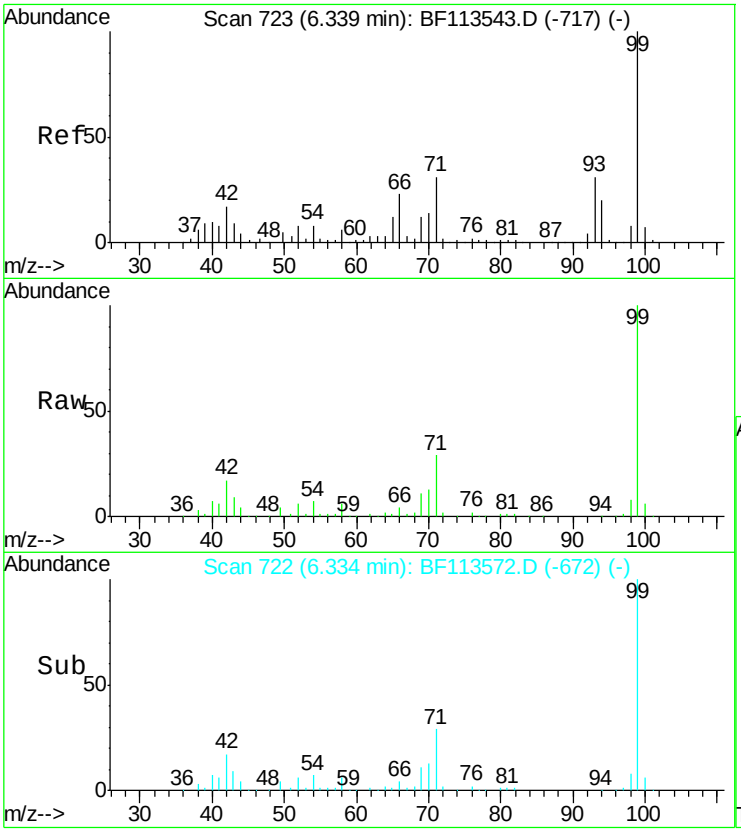


#5
2-Fluorophenol
Concen: 22.024 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:112 Resp: 143432

Ion	Ratio	Lower	Upper
112	100		
64	58.7	49.2	73.8
63	27.3	24.9	37.3



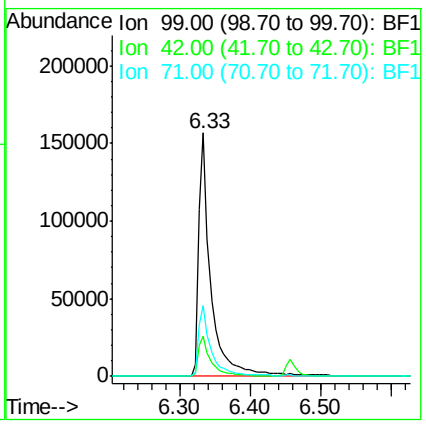


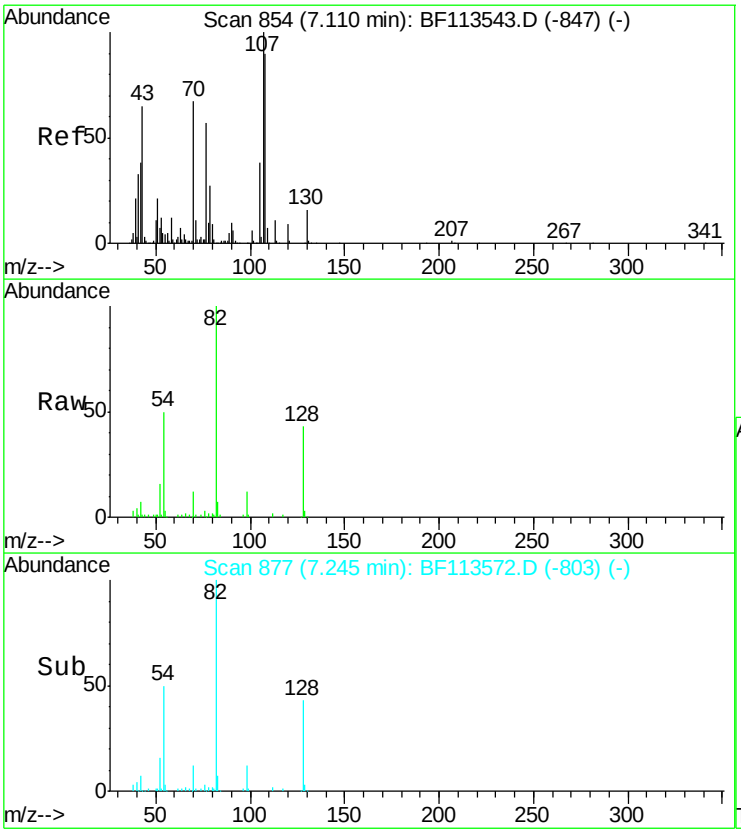
#7
Phenol-d6
Concen: 23.873 ng
RT: 6.33 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 191621

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.8	22.2
71	29.2	24.9	37.3

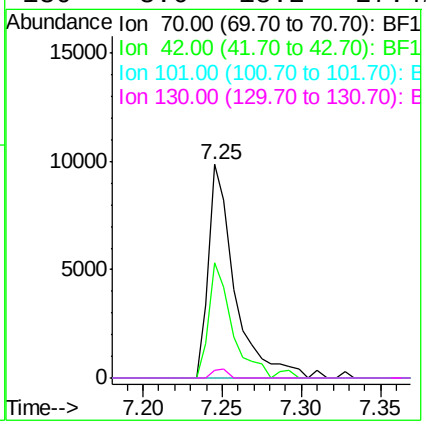


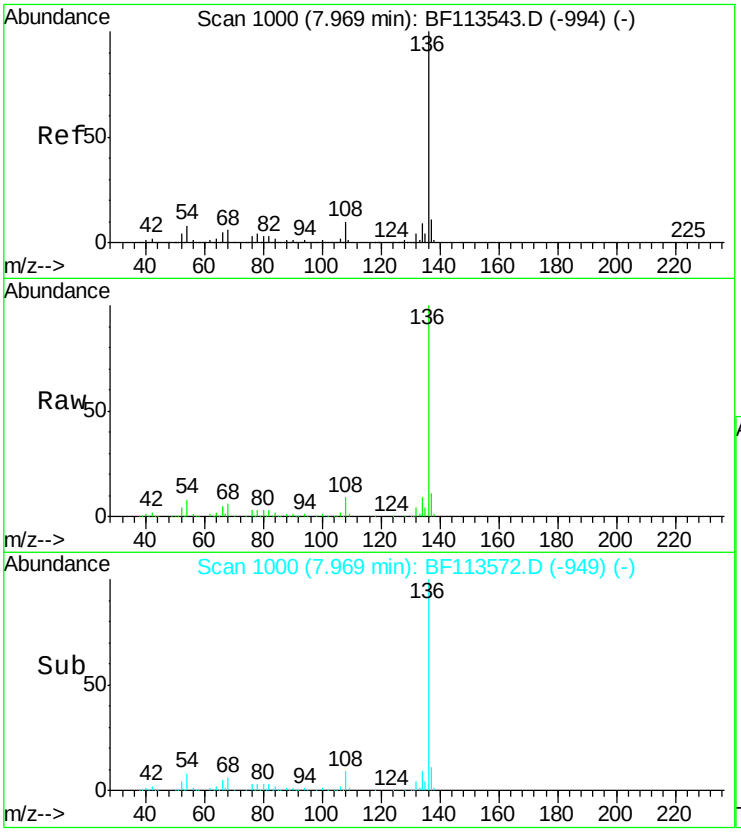


#19
n-Nitroso-di-n-propylamine
Concen: 2.328 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion: 70 Resp: 11522

Ion	Ratio	Lower	Upper
70	100		
42	53.8	48.4	72.6
101	0.0	7.8	11.8#
130	3.6	18.2	27.4#



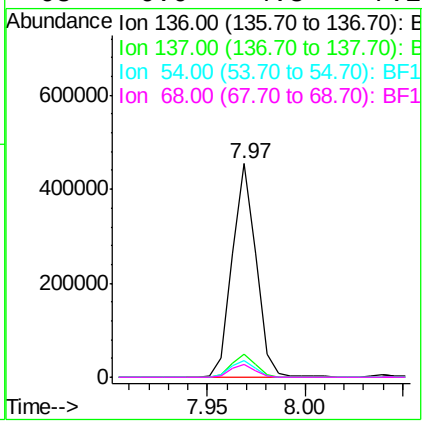


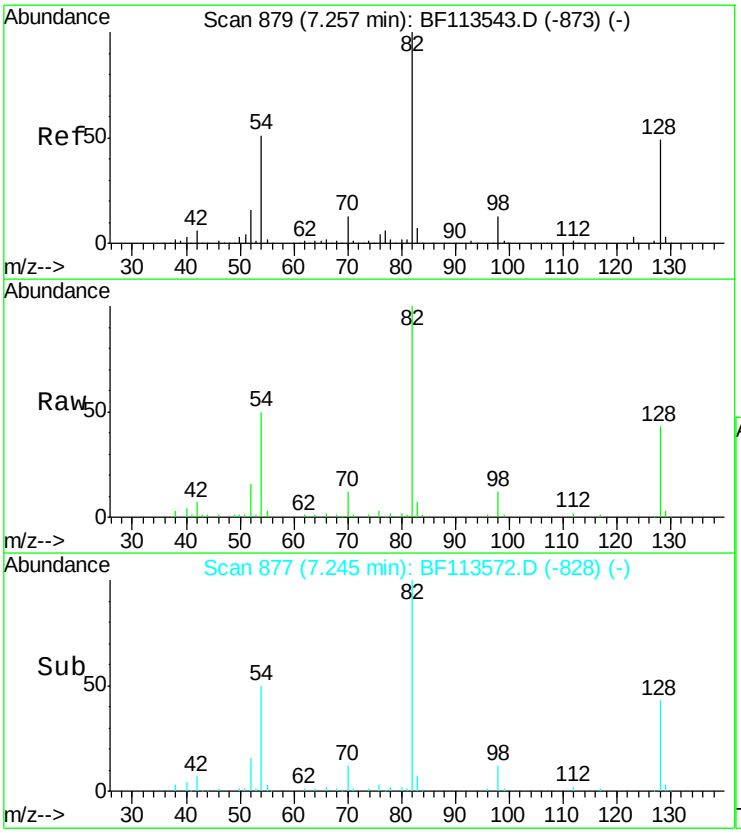
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 386632

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	7.0	10.6
68	6.0	4.8	7.2

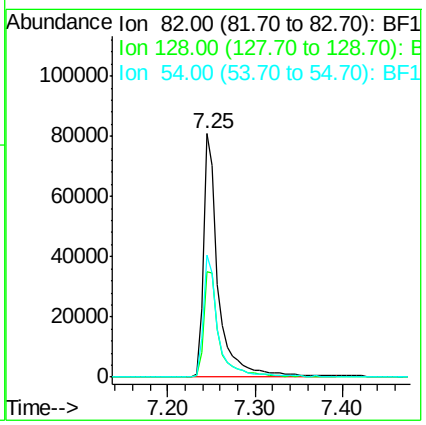


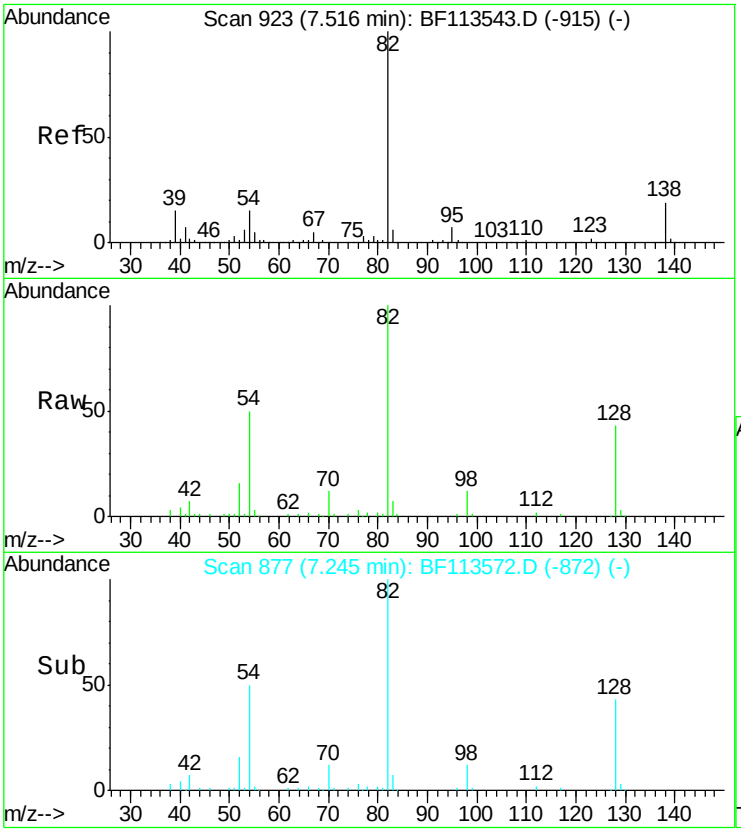


#23
Nitrobenzene-d5
Concen: 14.399 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion: 82 Resp: 95043

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.5	54.7
54	50.1	42.2	63.2

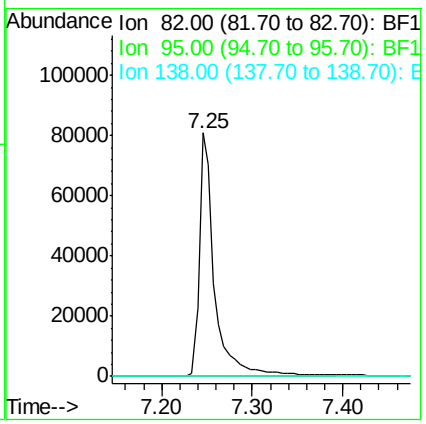




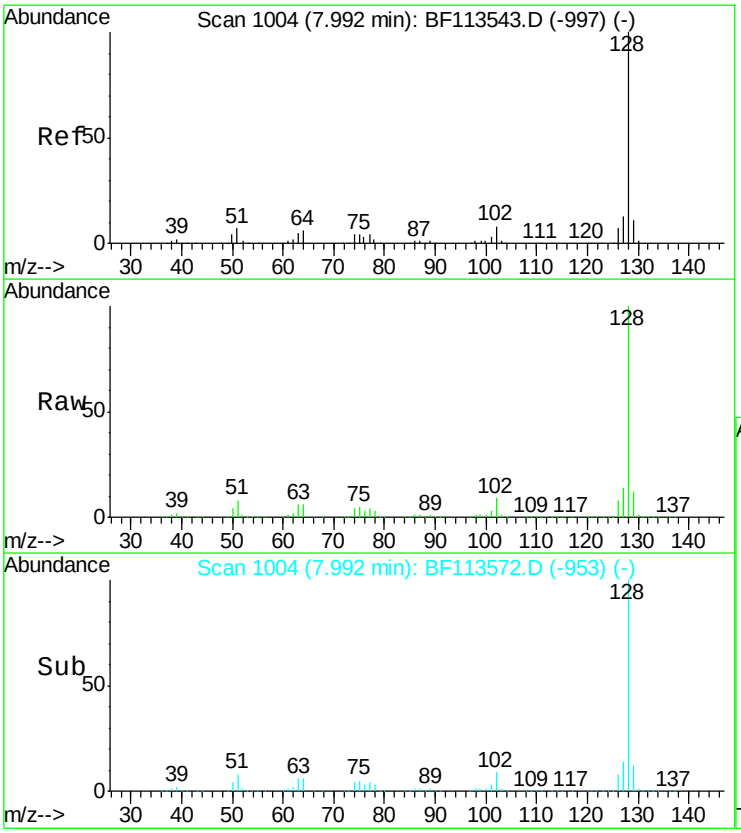
#25
Isophorone
Concen: 7.475 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion: 82 Resp: 95042

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	15.2	22.8#



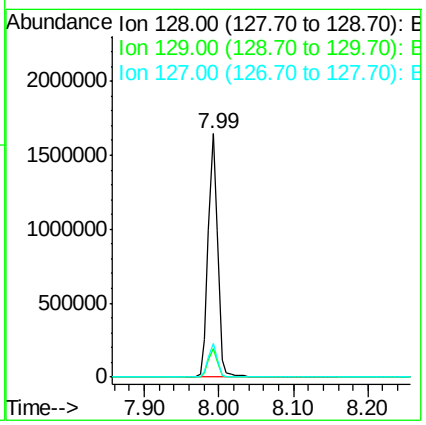
Instrument :
BNA_F
ClientSampleId :

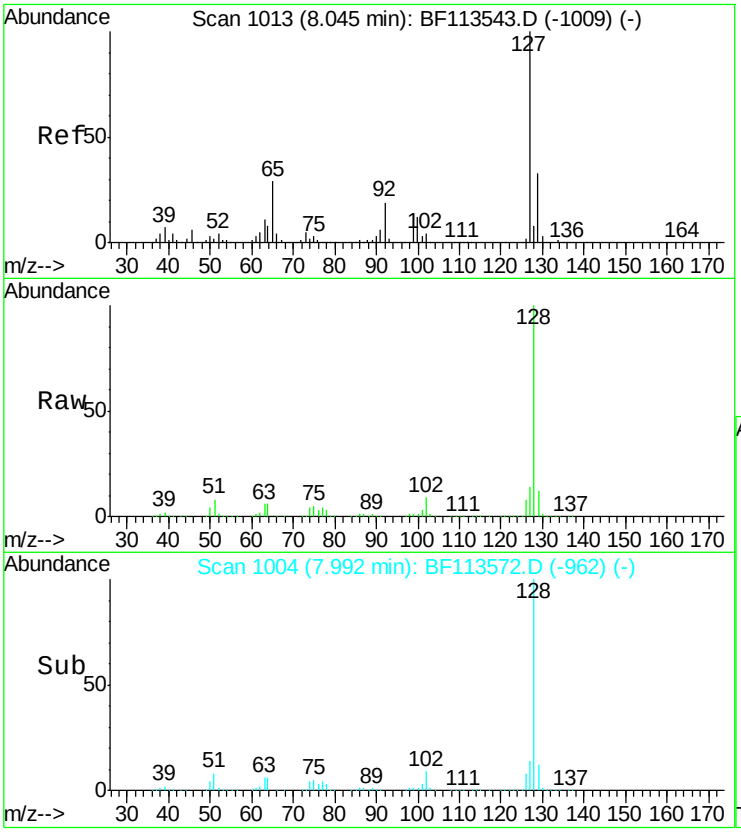


#31
Naphthalene
Concen: 78.062 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:128 Resp: 1462344

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.6	10.9	16.3



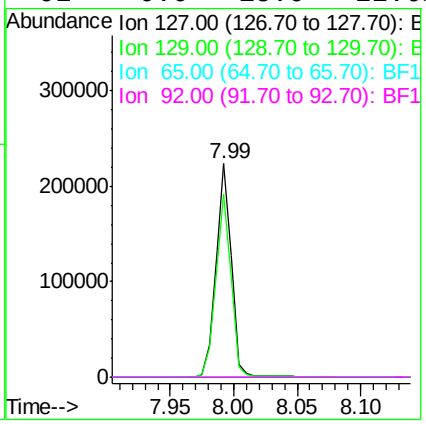


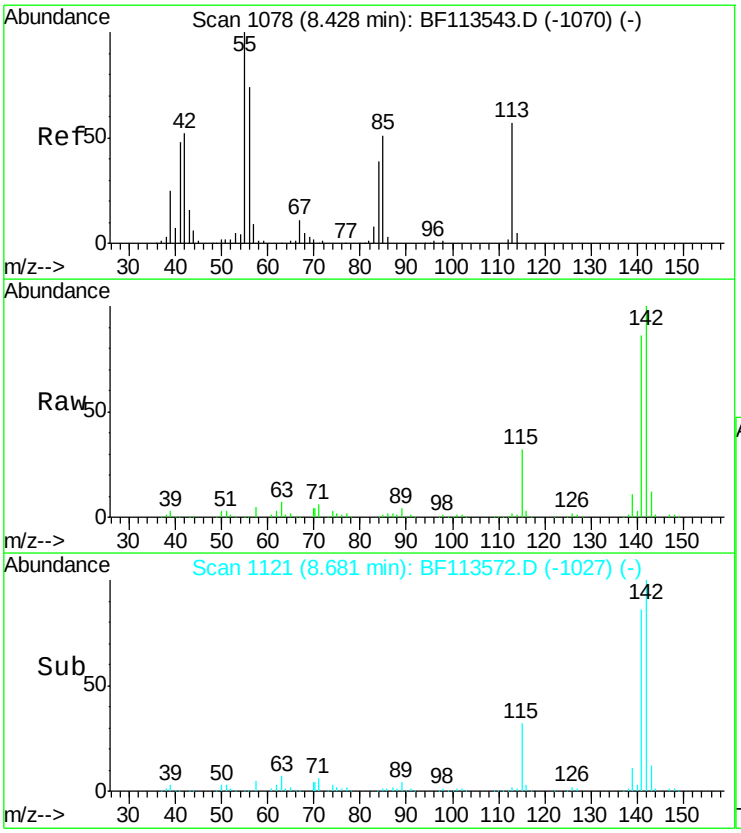
#33
4-Chloroaniline
Concen: 25.988 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.05 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 193041

Ion	Ratio	Lower	Upper
127	100		
129	85.8	26.3	39.5#
65	0.0	24.2	36.4#
92	0.0	15.0	22.6#

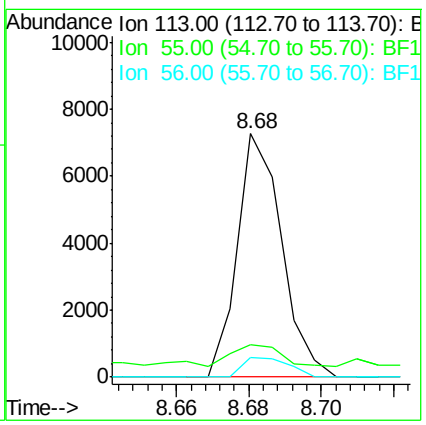


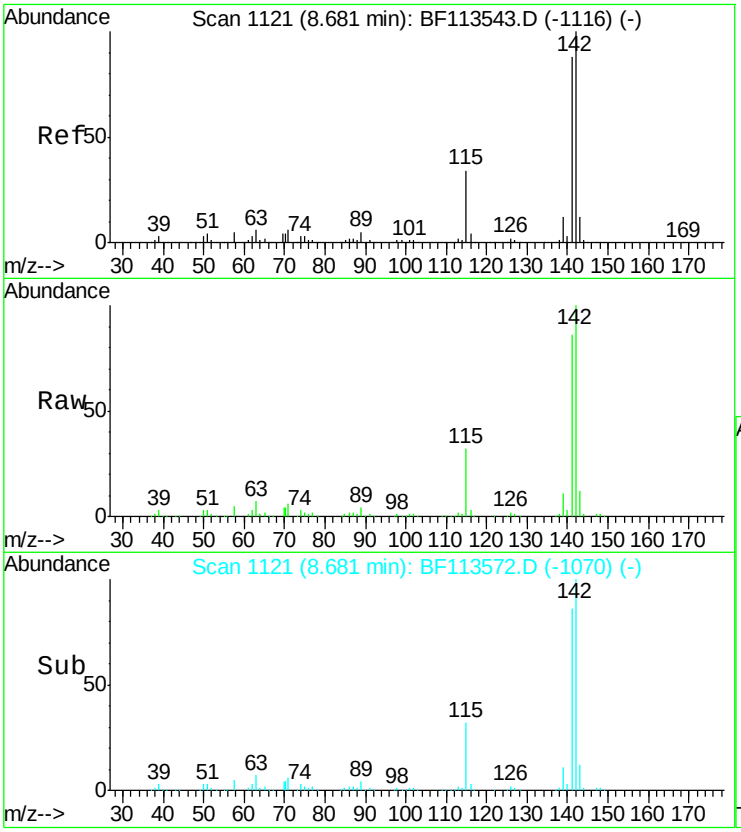


#35
Caprolactam
Concen: 3.473 ng
RT: 8.68 min Scan# 1121
Delta R.T. 0.25 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:113 Resp: 6169

Ion	Ratio	Lower	Upper
113	100		
55	13.3	152.7	192.7#
56	8.3	108.3	148.3#



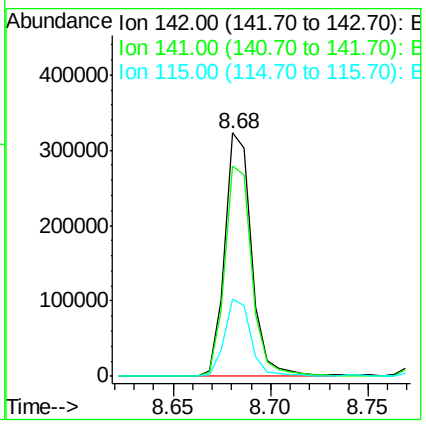


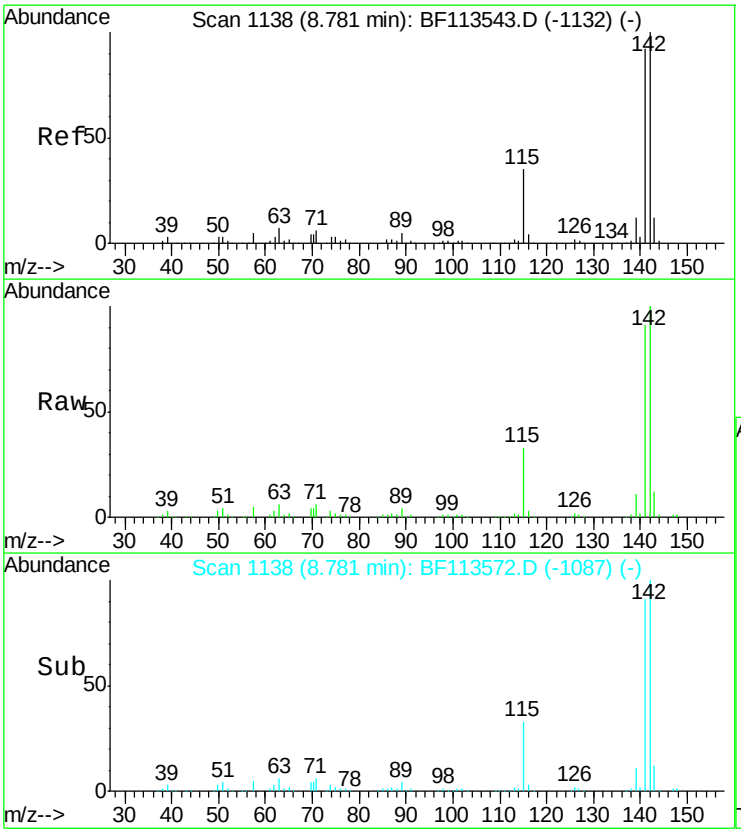
#37
2-Methylnaphthalene
Concen: 25.106 ng
RT: 8.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 309328

Ion	Ratio	Lower	Upper
142	100		
141	86.3	71.0	106.6
115	31.7	26.6	39.8

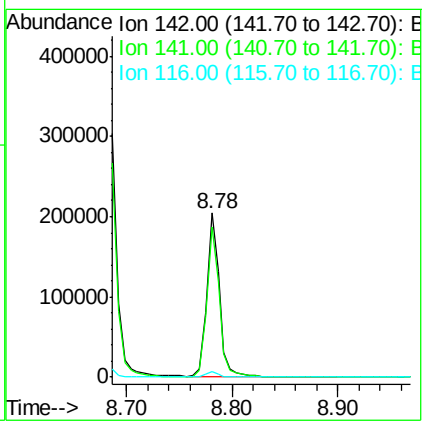


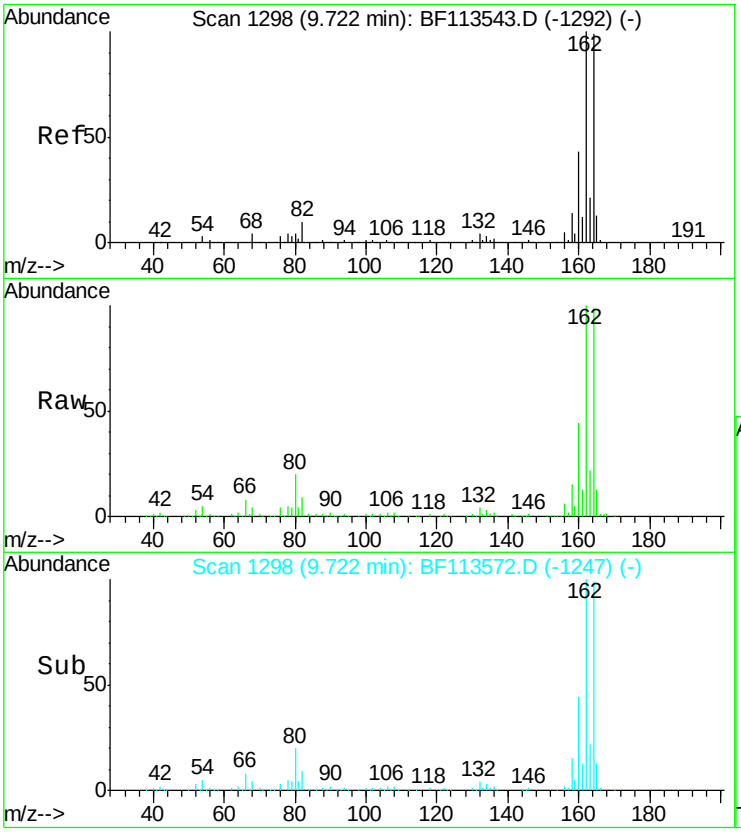


#38
1-Methylnaphthalene
Concen: 14.497 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:142 Resp: 172233

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8
116	3.5	3.0	4.4



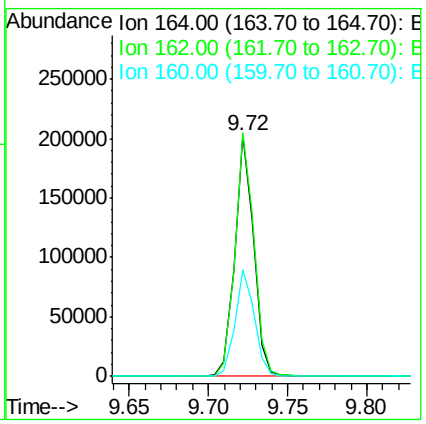


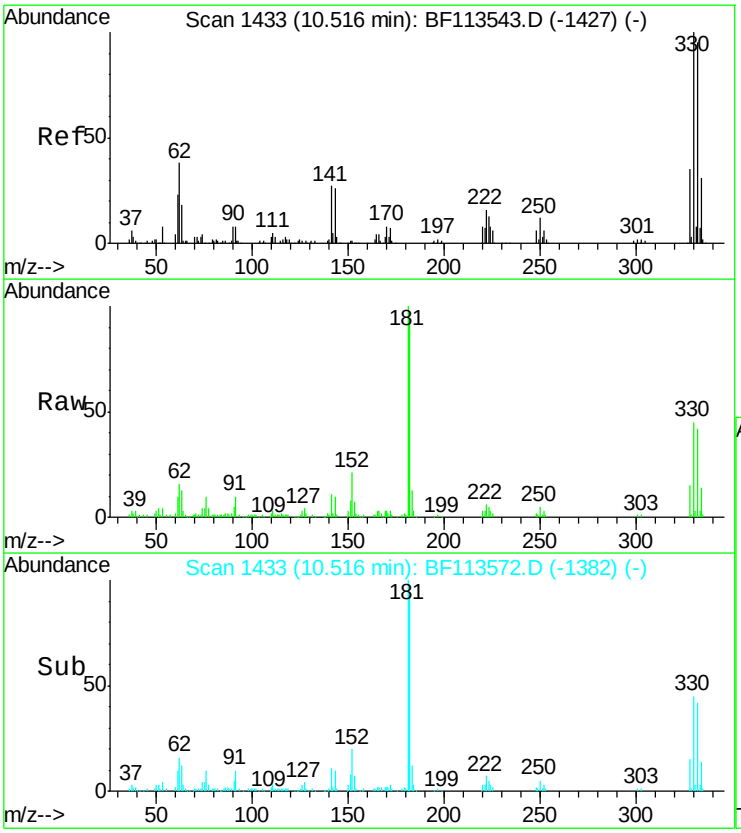
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 167277

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.8	122.6
160	44.2	36.4	54.6

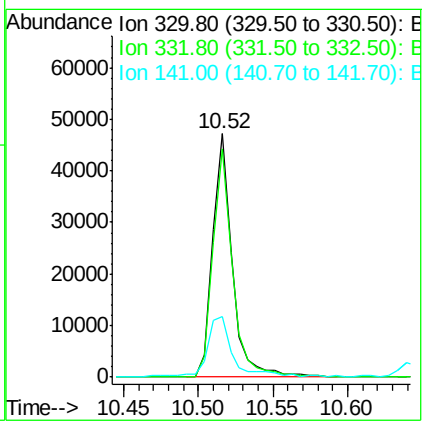


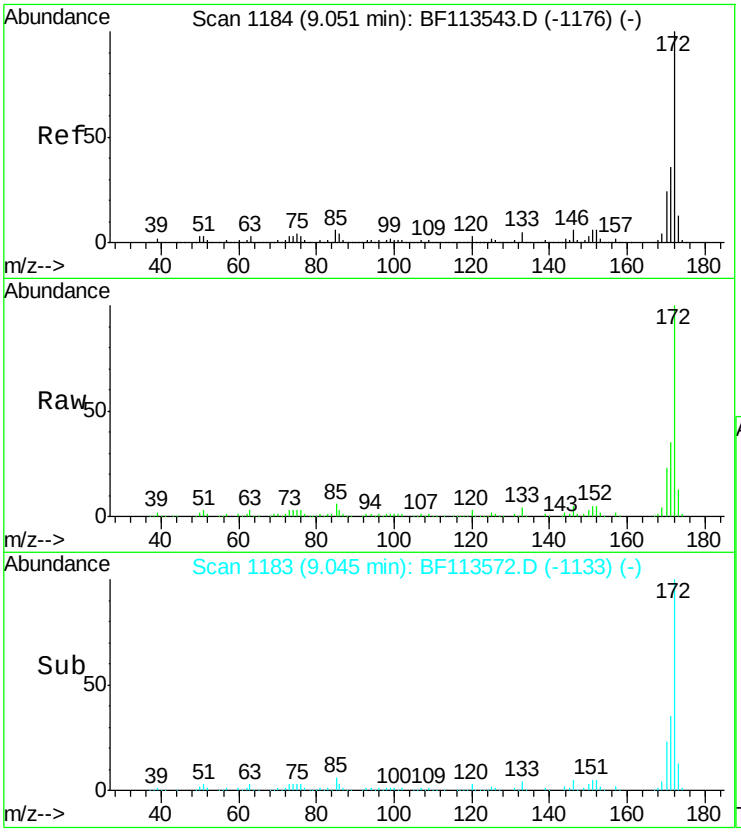


#42
2,4,6-Tribromophenol
Concen: 21.483 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:330 Resp: 43168

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.8	116.6
141	32.5	22.7	34.1



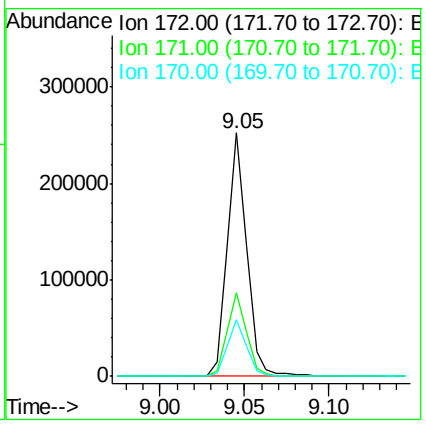


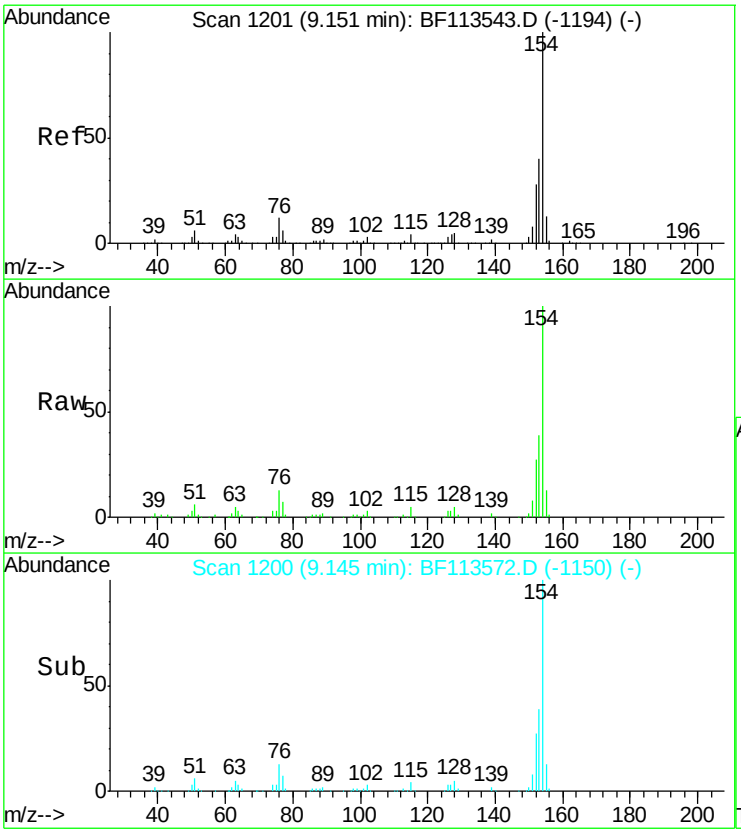
#45
2-Fluorobiphenyl
Concen: 19.291 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 200445

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.6
170	23.1	19.5	29.3

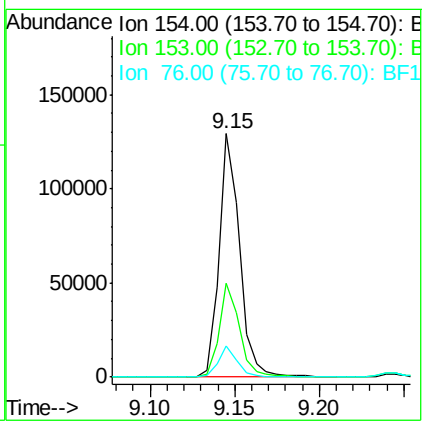


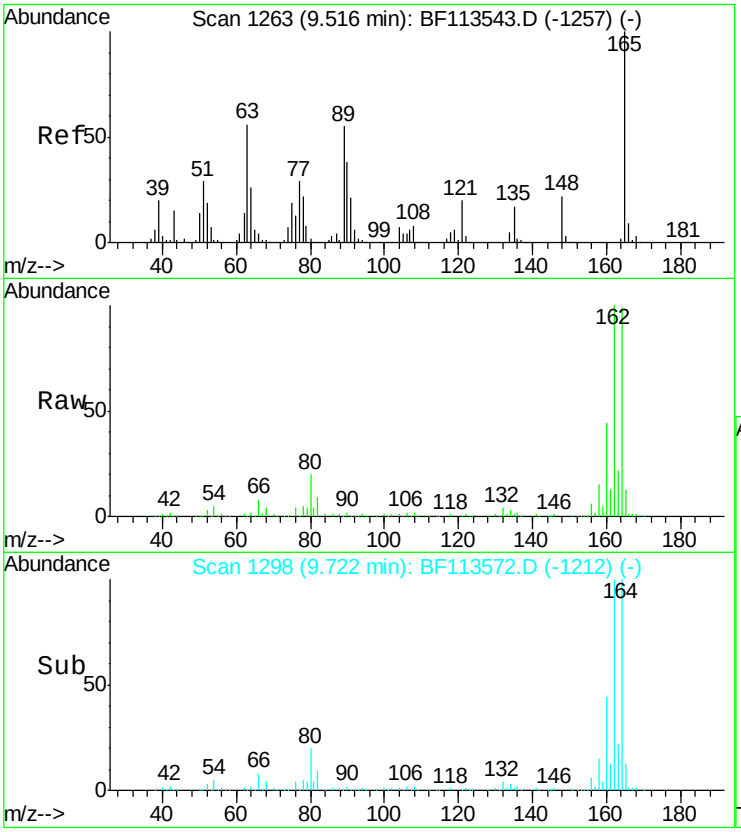


#46
1,1'-Biphenyl
Concen: 7.943 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:154 Resp: 109643

Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.8	60.8
76	12.9	0.0	31.9



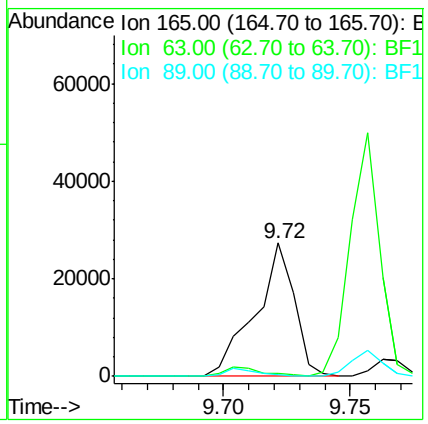


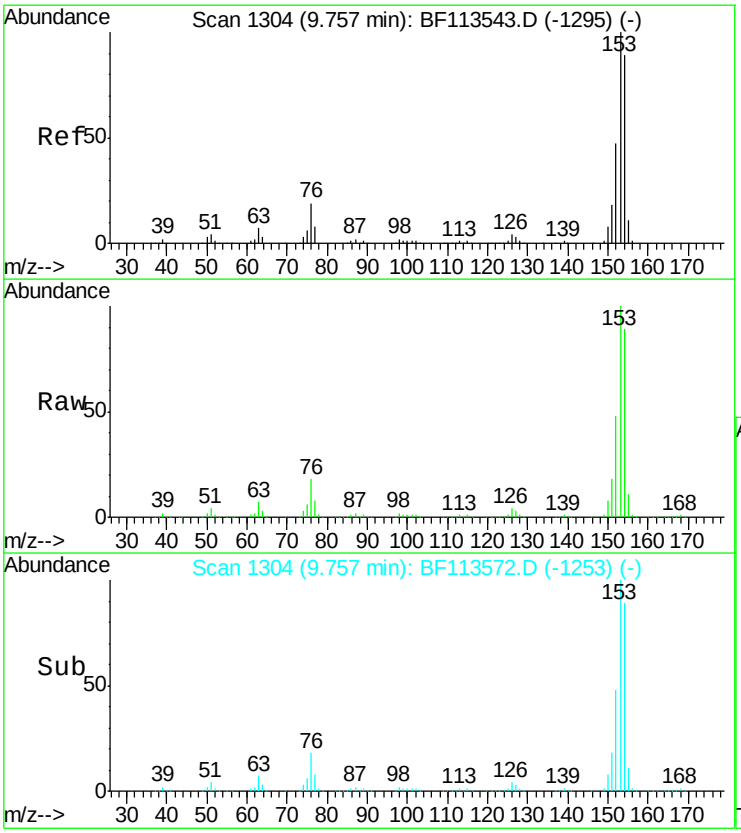
#51
2,6-Dinitrotoluene
Concen: 10.803 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.21 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29363

Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.4	65.0#
89	1.7	43.1	64.7#

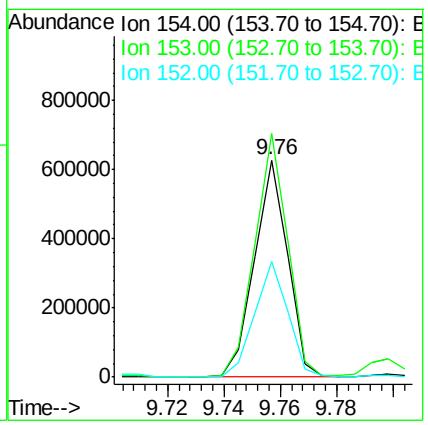


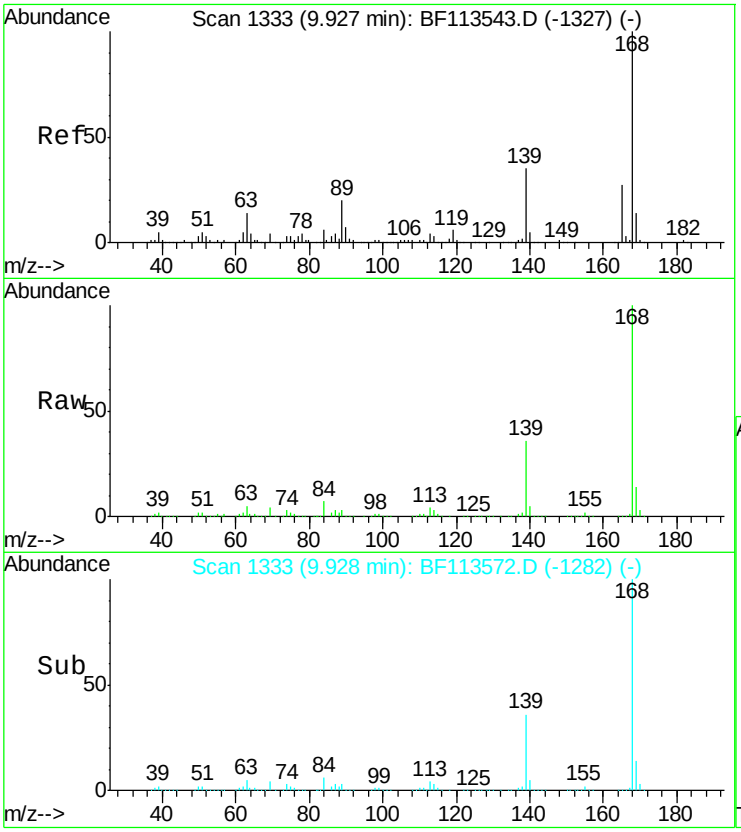


#52
Acenaphthene
Concen: 52.474 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:154 Resp: 510477

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.5	134.3
152	53.5	43.3	64.9



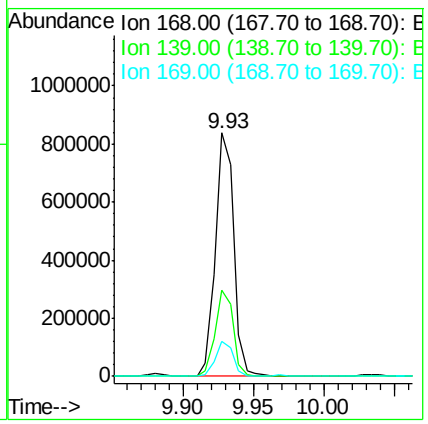


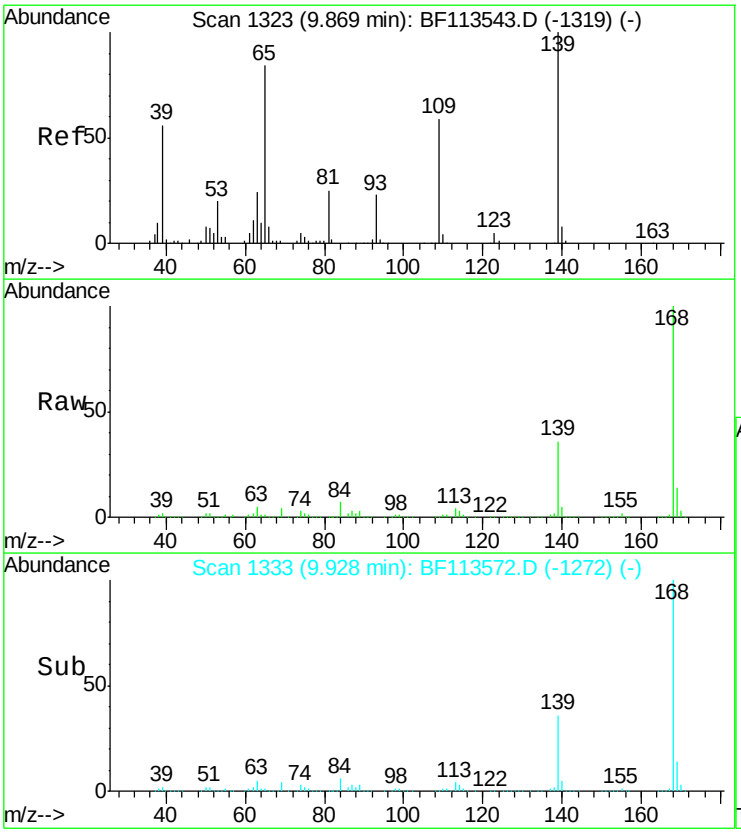
#55
Dibenzofuran
Concen: 53.133 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 758219

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.7	44.5
169	14.1	10.7	16.1

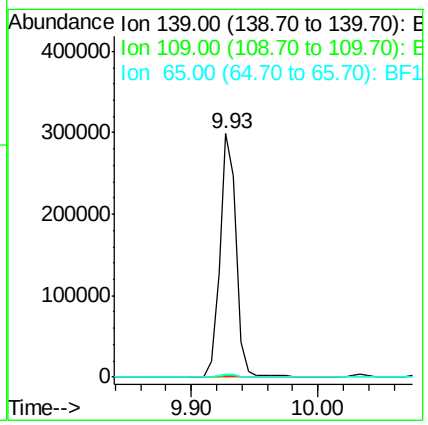


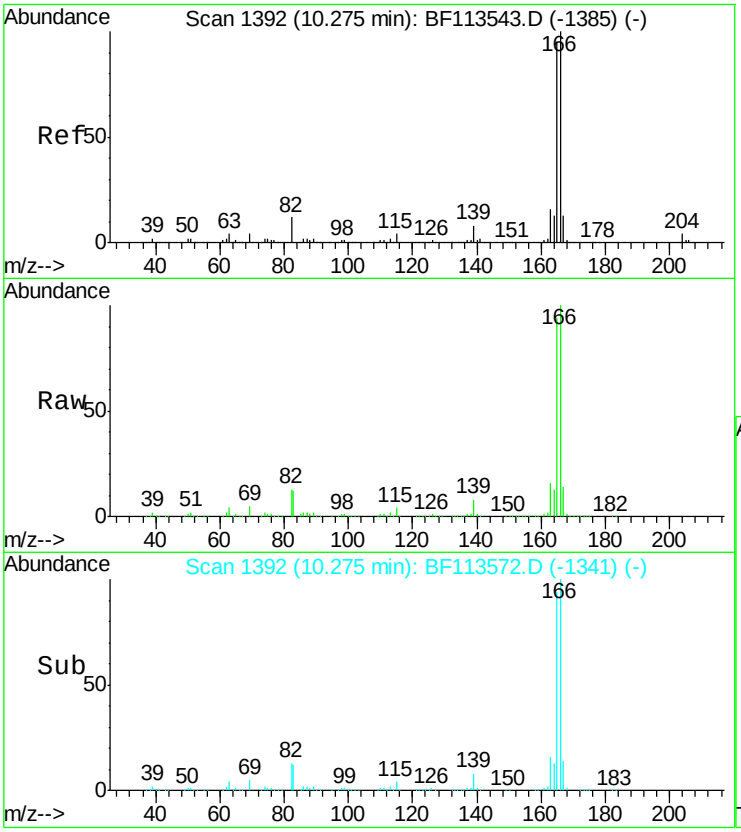


#56
4-Nitrophenol
Concen: 139.316 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:139 Resp: 267060

Ion	Ratio	Lower	Upper
139	100		
109	0.8	46.9	86.9#
65	1.5	77.2	117.2#



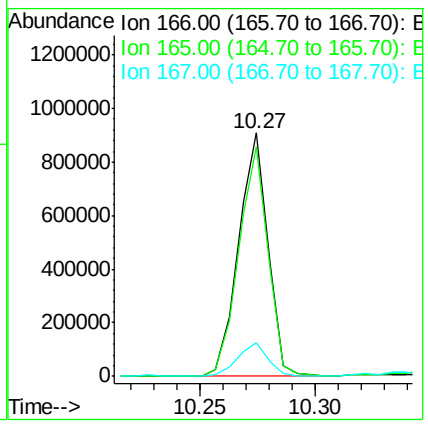


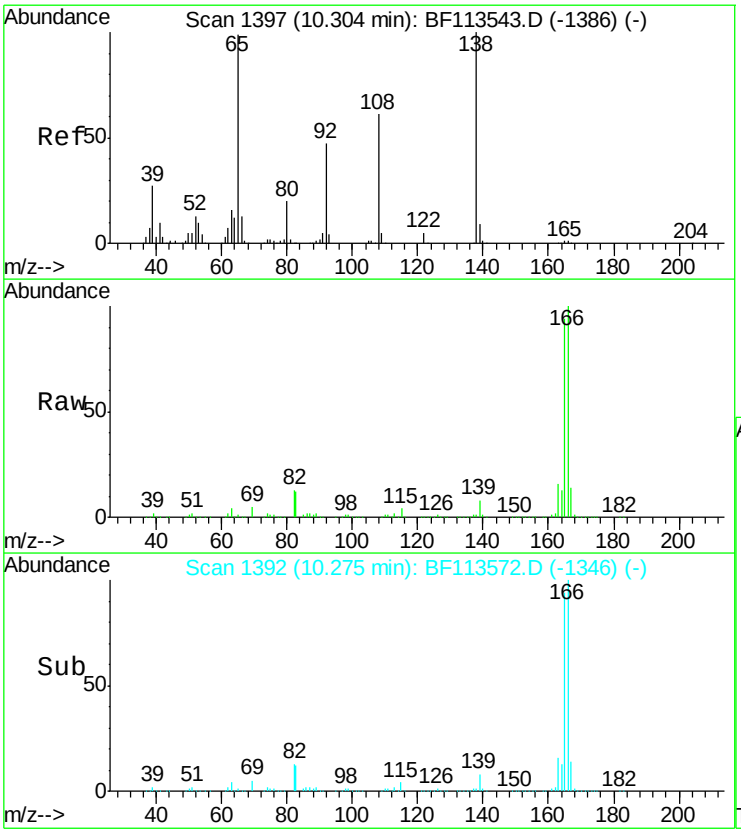
#58
Fluorene
Concen: 70.817 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 799288

Ion	Ratio	Lower	Upper
166	100		
165	94.2	76.2	114.2
167	14.0	10.7	16.1

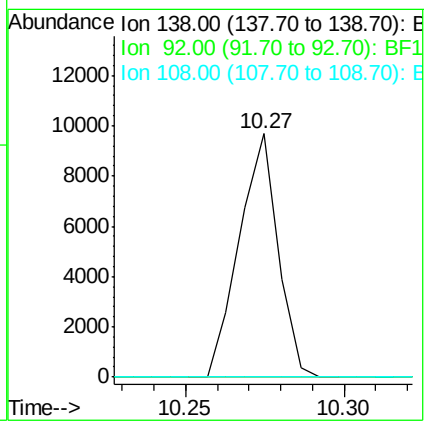


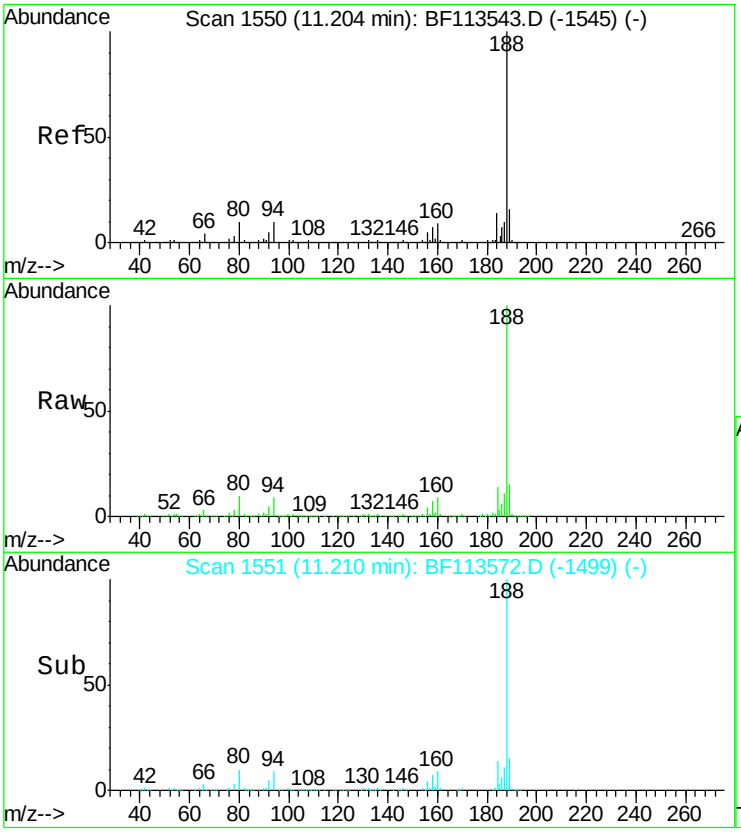


#62
4-Nitroaniline
Concen: 2.616 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:138 Resp: 8220

Ion	Ratio	Lower	Upper
138	100		
92	0.0	25.8	65.8#
108	0.0	44.0	84.0#



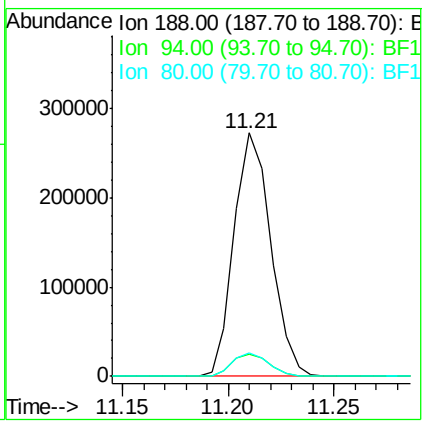


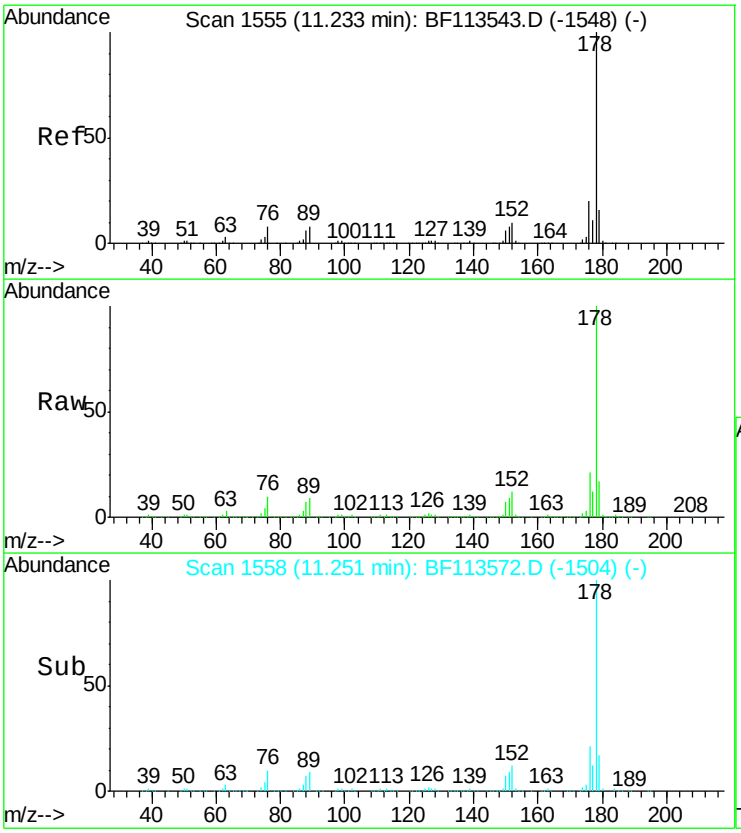
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 330913

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	9.6	7.7	11.5

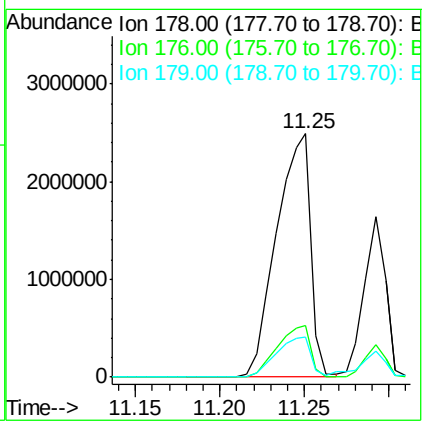


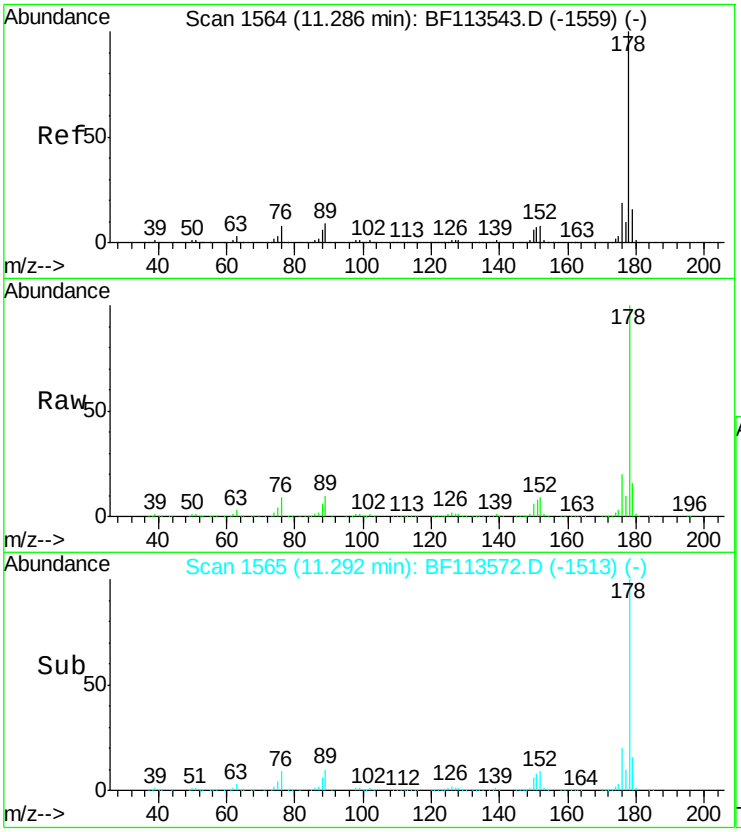


#71
Phenanthrene
Concen: 212.981 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:178 Resp: 3502107

Ion	Ratio	Lower	Upper
178	100		
176	21.3	16.2	24.2
179	16.7	12.7	19.1



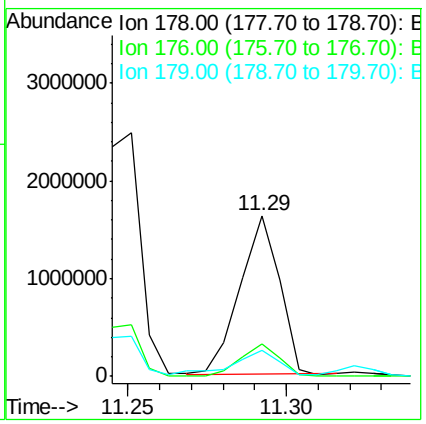


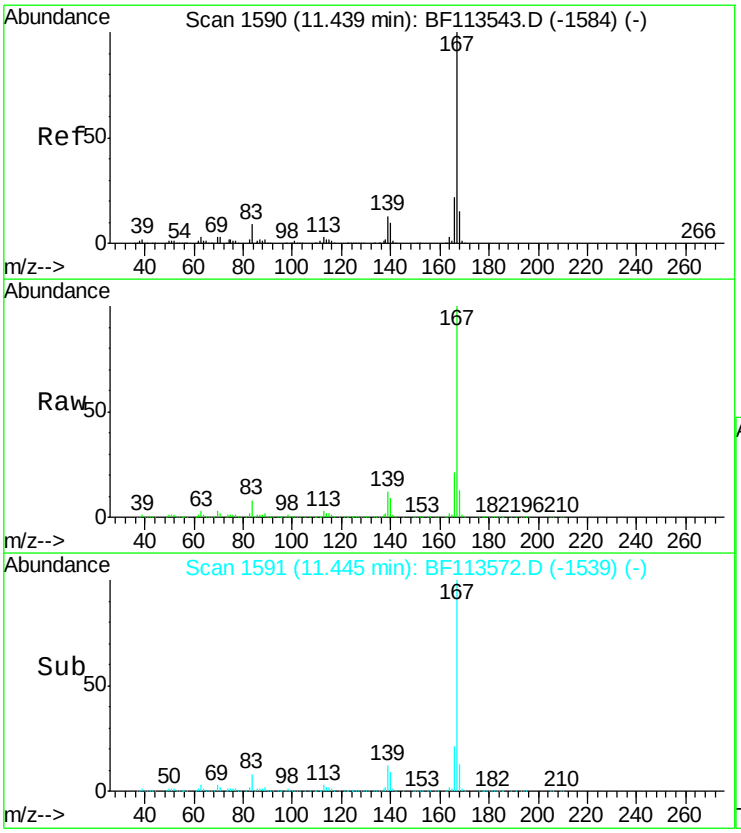
#72
Anthracene
Concen: 84.091 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1406821

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	16.2	12.8	19.2

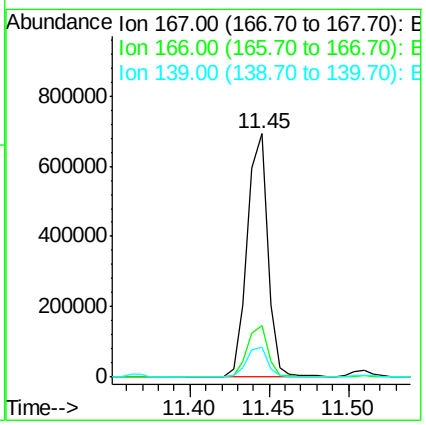


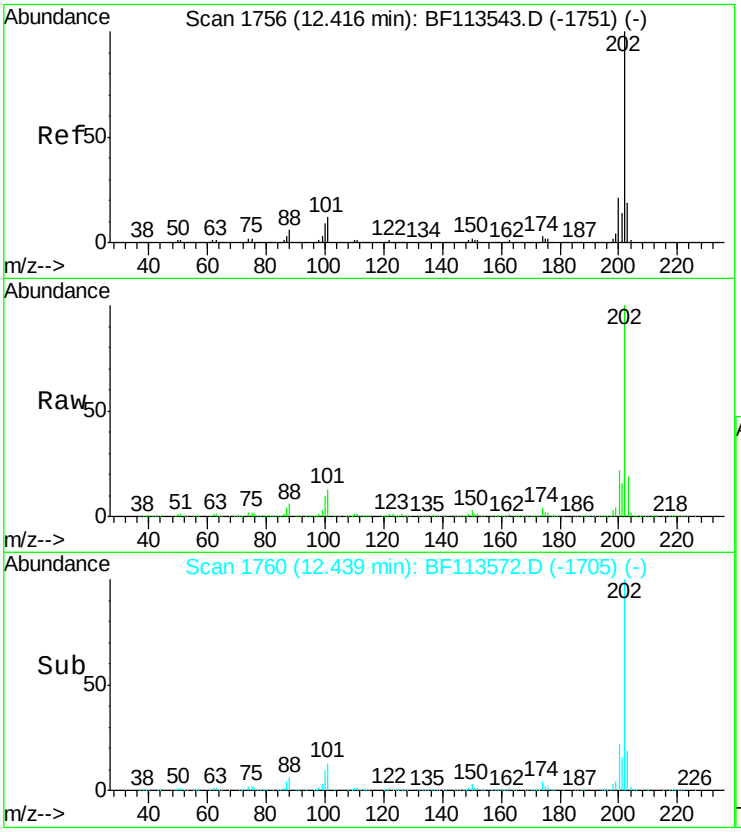


#73
Carbazole
Concen: 40.111 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:167 Resp: 627628

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	12.1	10.4	15.6



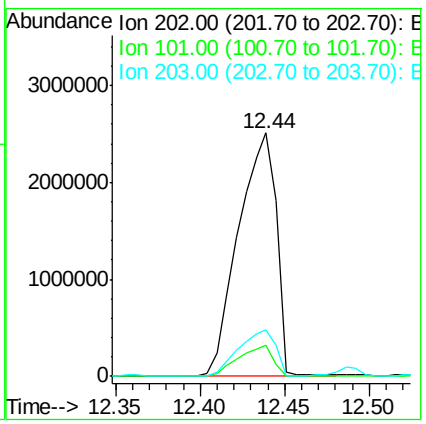


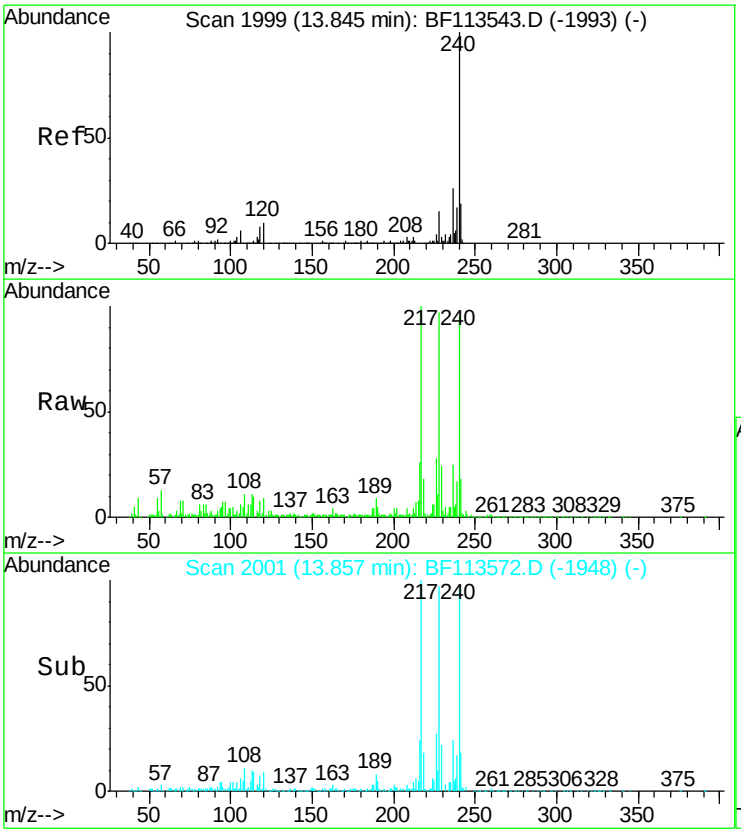
#75
Fluoranthene
Concen: 222.798 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3925746

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.4
203	19.2	0.0	38.0

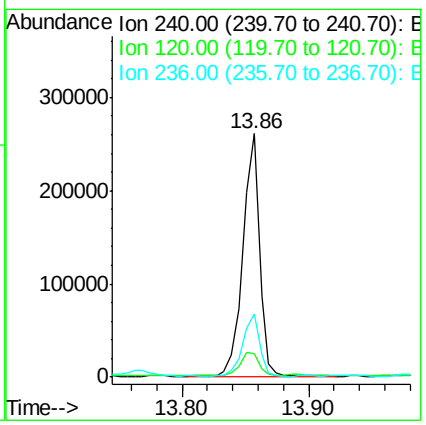


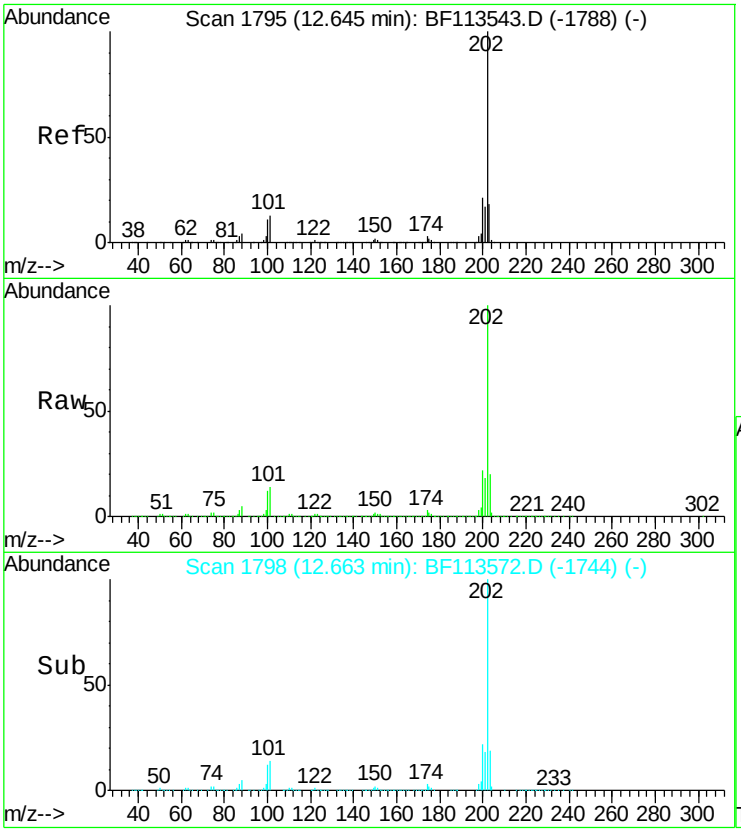


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:240 Resp: 237175

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.8	13.2
236	25.8	20.9	31.3



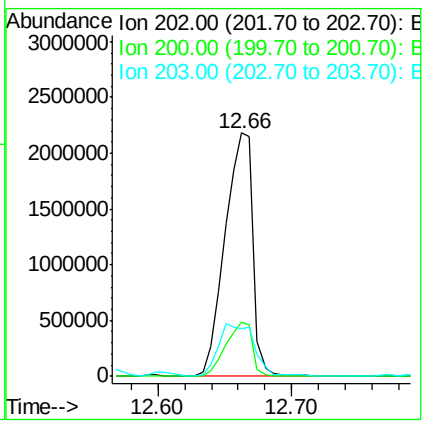


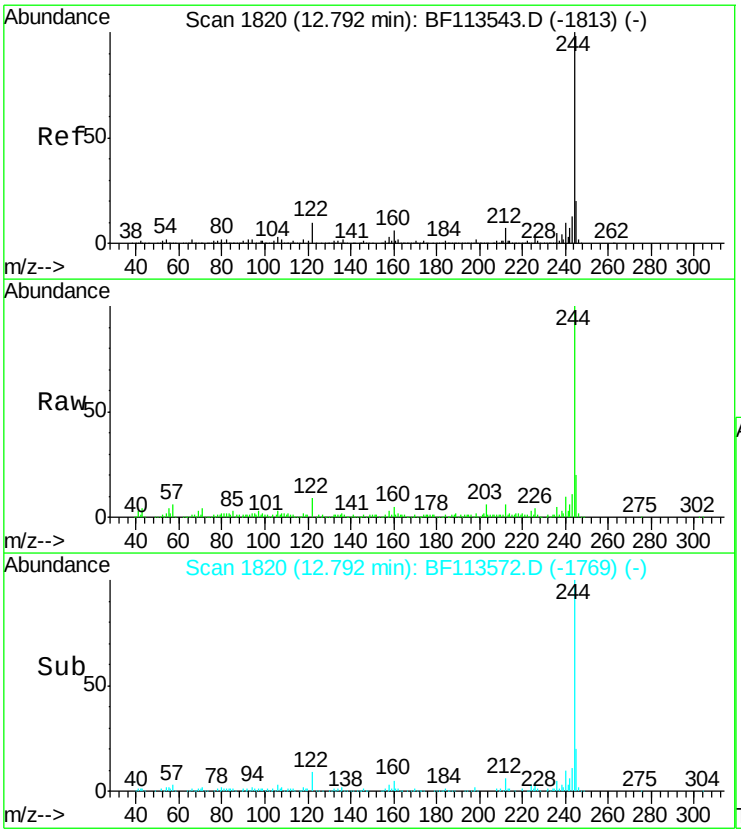
#78
Pyrene
Concen: 176.538 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3185880

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	19.5	14.4	21.6

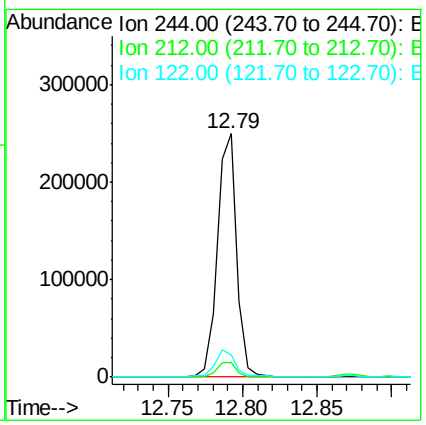


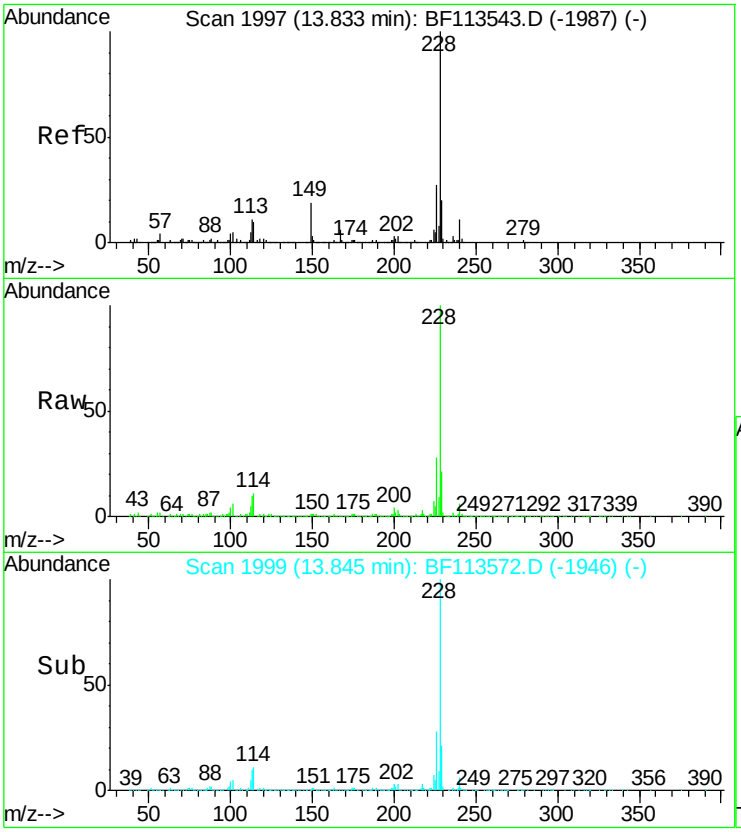


#79
Terphenyl-d14
Concen: 19.541 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:244 Resp: 227638

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.5	8.3
122	9.2	8.6	13.0



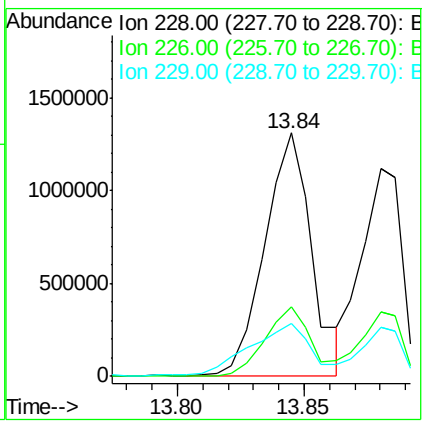


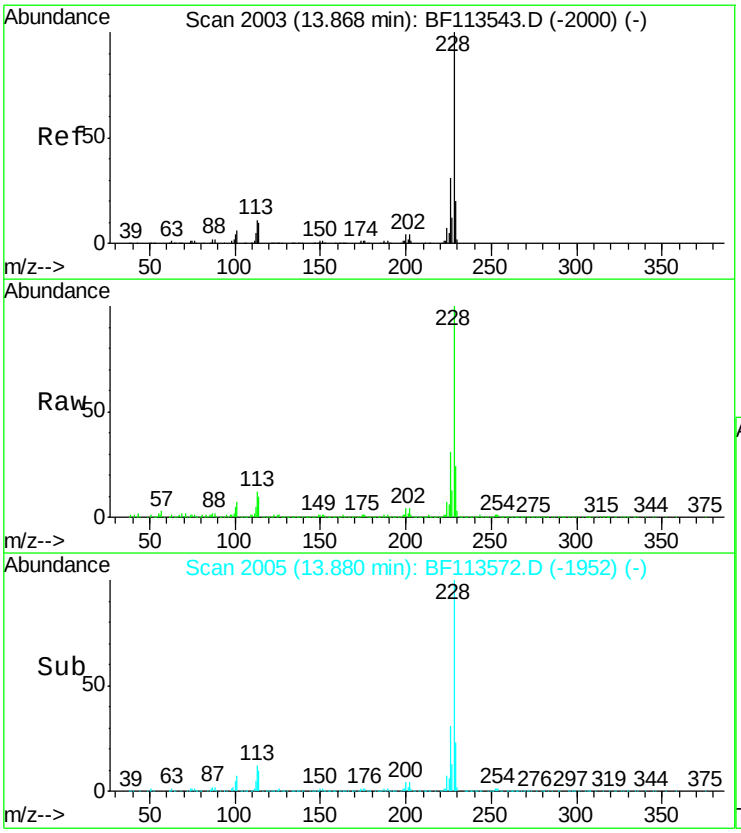
#81
Benzo(a)anthracene
Concen: 123.561 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1690509

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.8
229	21.5	16.2	24.4

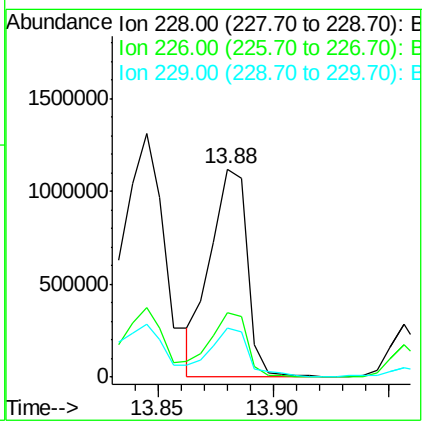


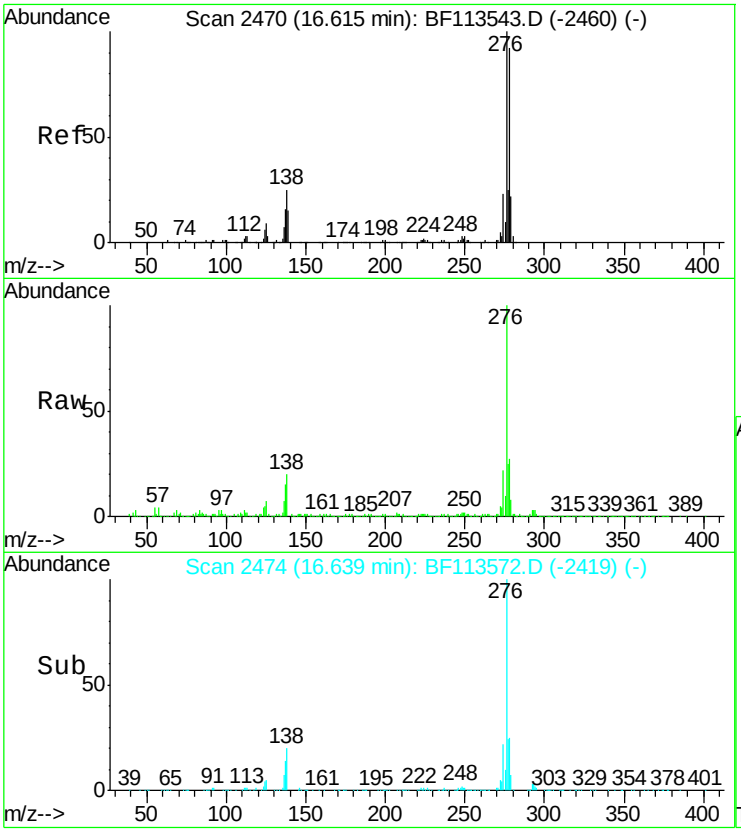


#83
Chrysene
Concen: 89.626 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:228 Resp: 1243044

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	23.5	16.3	24.5



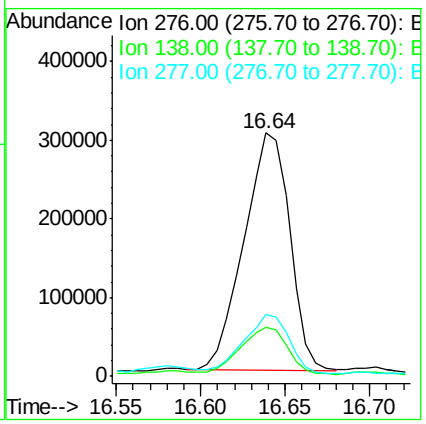


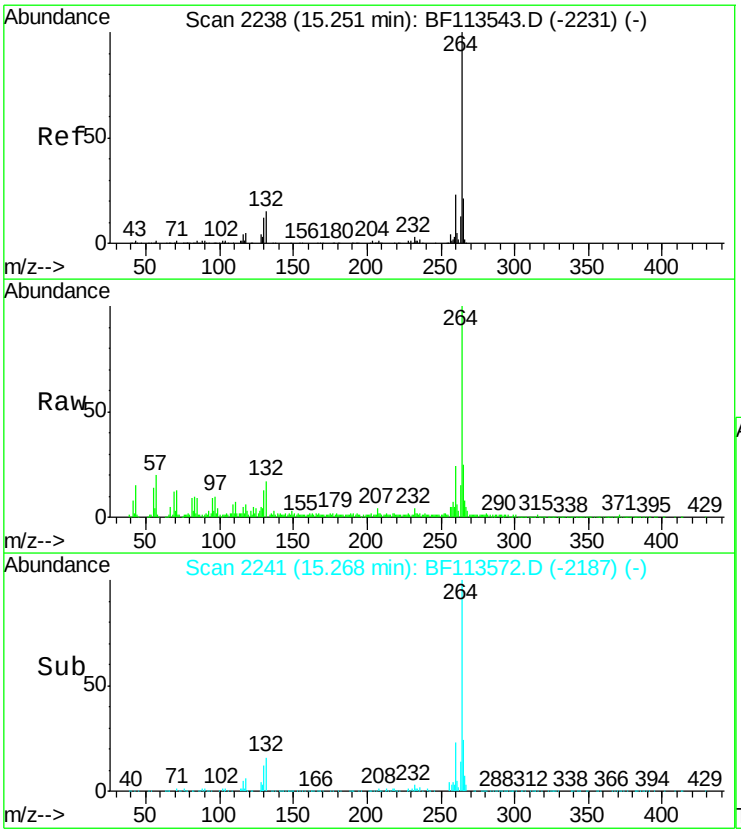
#86
Indeno(1,2,3-cd)pyrene
Concen: 44.399 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 568545

Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.1	27.1
277	24.9	20.2	30.4

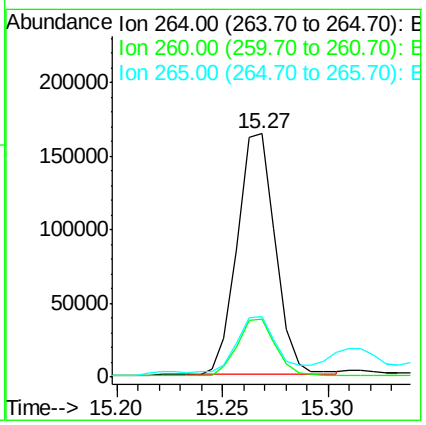


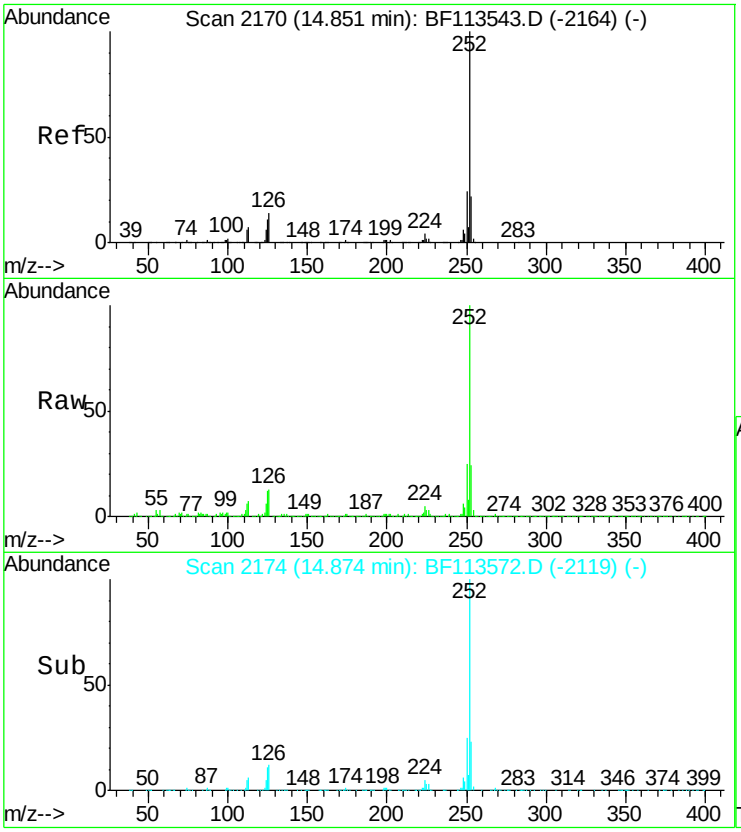


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:264 Resp: 205689

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	25.0	17.1	25.7



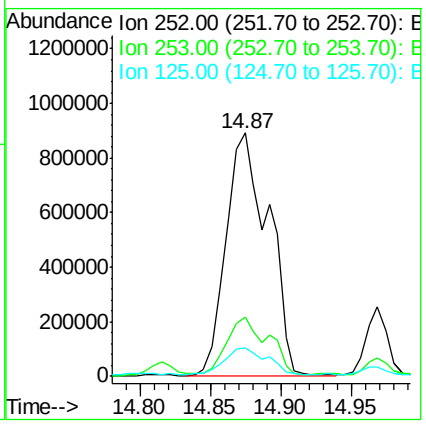


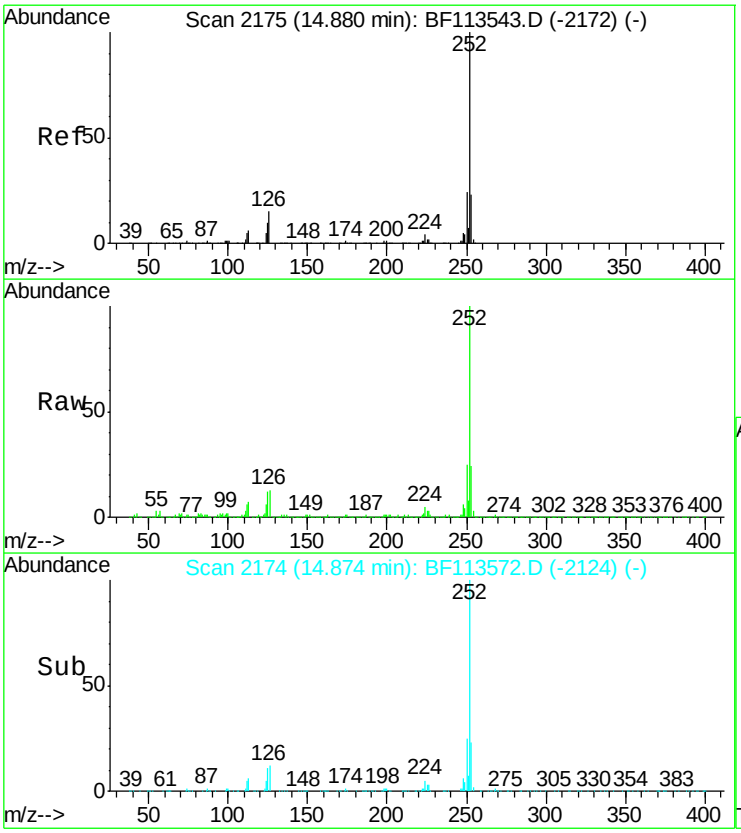
#88
Benzo(b)fluoranthene
Concen: 149.008 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1876119

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	11.7	7.6	11.4#

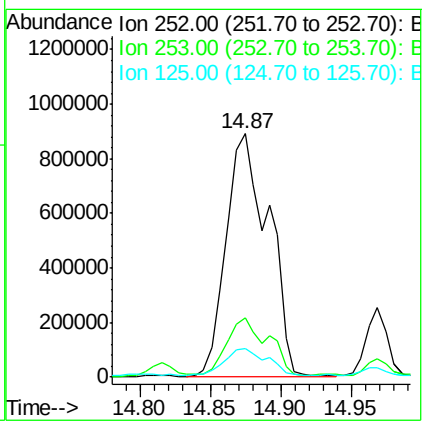


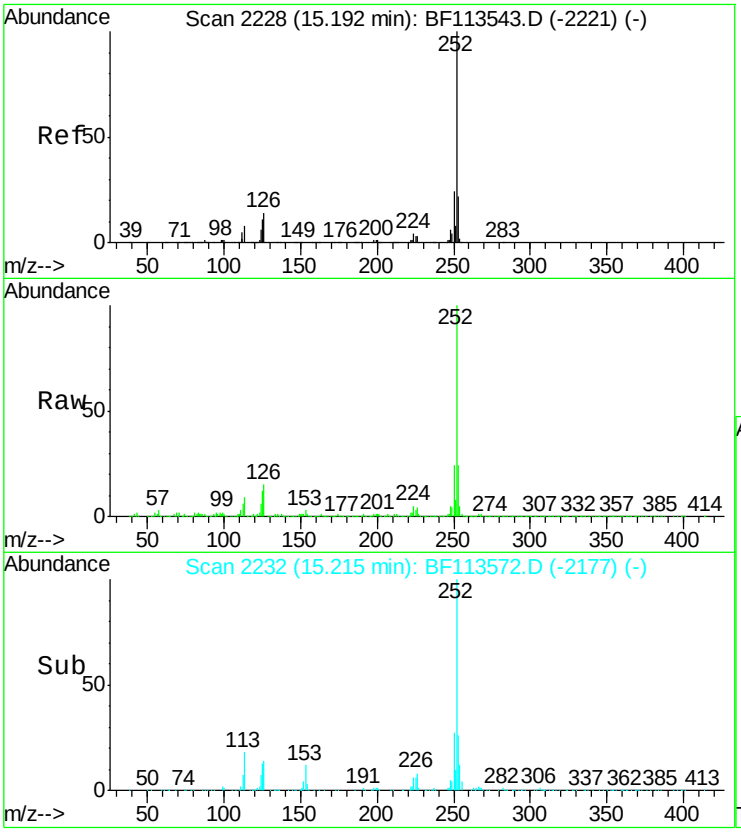


#89
Benzo(k)fluoranthene
Concen: 166.030 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:252 Resp: 1876119

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	11.7	7.3	10.9#



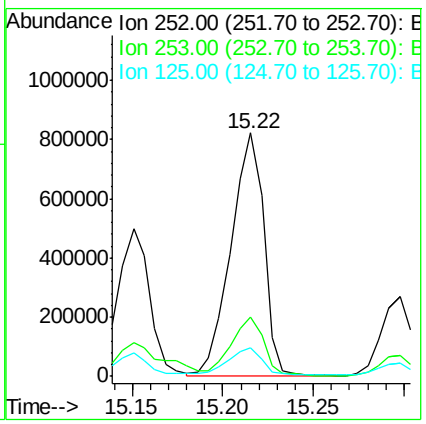


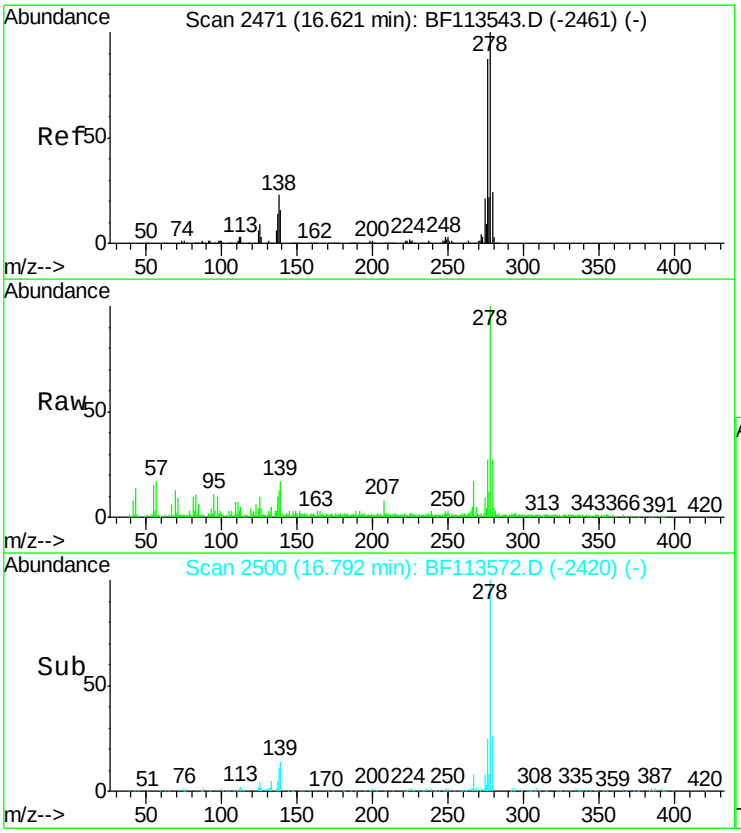
#90
Benzo(a)pyrene
Concen: 92.281 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.02 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1032450

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	11.7	8.8	13.2

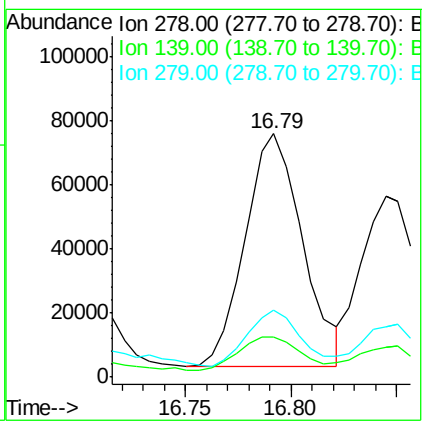


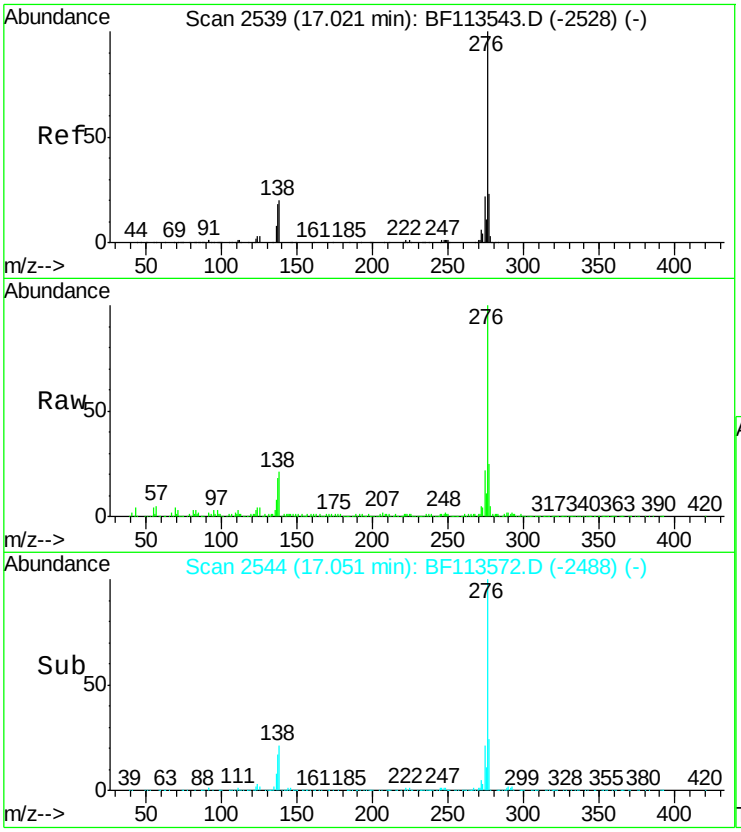


#91
Dibenzo(a,h)anthracene
Concen: 13.149 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.17 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Tgt Ion:278 Resp: 137570

Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.0	18.0
279	27.5	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 48.181 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.03 min
Lab File: BF113572.D
Acq: 4 Apr 2019 5:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 514526

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	21.2	15.6	23.4