Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121806.D
Acq On : 2 Oct 2020 21:23
Operator : JU/CG
Sample : L4213-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP-3

Quant Time: Oct 03 00:19:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	102133	20.00	ng		0.00
21) Naphthalene-d8	8.05	136	338621	20.00	ng		-0.01
39) Acenaphthene-d10	9.80	164	150976	20.00	ng		0.00
64) Phenanthrene-d10	11.29	188	268469	20.00	ng		0.00
76) Chrysene-d12	13.93	240	263501	20.00	ng		0.00
86) Perylene-d12	15.36	264	261041	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	564482	82.14	ng		0.00
7) Phenol-d6	6.40	99	686000	76.09	ng		-0.01
23) Nitrobenzene-d5	7.33	82	442775	70.21	ng		-0.01
42) 2,4,6-Tribromophenol	10.59	330	152201	81.11	ng		-0.01
45) 2-Fluorobiphenyl	9.12	172	716936	71.92	ng		-0.01
79) Terphenyl-d14	12.87	244	700155	53.83	ng		-0.01
Target Compounds							Qvalue
26) 2-Nitrophenol	7.67	139	1586	3.027	ng	#	1
32) Benzoic acid	7.85	122	5703	8.090	ng	#	22
35) Caprolactam	8.51	113	5938	3.455	ng	#	1
49) Acenaphthylene	9.66	152	54632	3.733	ng	#	78
50) Dimethylphthalate	9.52	163	81005	7.403	ng	#	58
51) 2,6-Dinitrotoluene	9.60	165	4692	2.013	ng	#	39
52) Acenaphthene	9.83	154	28722	3.107	ng		96
53) 3-Nitroaniline	9.75	138	9134	3.383	ng	#	12
54) 2,4-Dinitrophenol	10.00	184	649	9.476	ng	#	1
55) Dibenzofuran	10.00	168	27647	2.124	ng	#	69
56) 4-Nitrophenol	9.92	139	4396	2.042	ng	#	1
58) Fluorene	10.35	166	30472	3.061	ng	#	94
65) 4,6-Dinitro-2-methylphenol	10.42	198	880	7.310	ng	#	1
66) n-Nitrosodiphenylamine	10.46	169	68655	7.454	ng	#	51
71) Phenanthrene	11.31	178	484973	33.155	ng		98
72) Anthracene	11.36	178	148820	9.859	ng		98
73) Carbazole	11.52	167	47905	3.517	ng	#	83
75) Fluoranthene	12.50	202	938134	60.081	ng		99
78) Pyrene	12.73	202	885465	45.993	ng		99
81) Benzo(a)anthracene	13.92	228	591909	35.507	ng		98
83) Chrysene	13.95	228	557883	33.048	ng		98
87) Indeno(1,2,3-cd)pyrene	16.78	276	340147	20.009	ng		94
88) Benzo(b)fluoranthene	14.96	252	1030215	59.035	ng		99
89) Benzo(k)fluoranthene	14.96	252	1030215	64.467	ng		98
90) Benzo(a)pyrene	15.30	252	464338	31.303	ng		96
91) Dibenzo(a,h)anthracene	16.94	278	62402	4.410	ng		96
92) Benzo(g,h,i)perylene	17.20	276	299758	21.549	ng		100

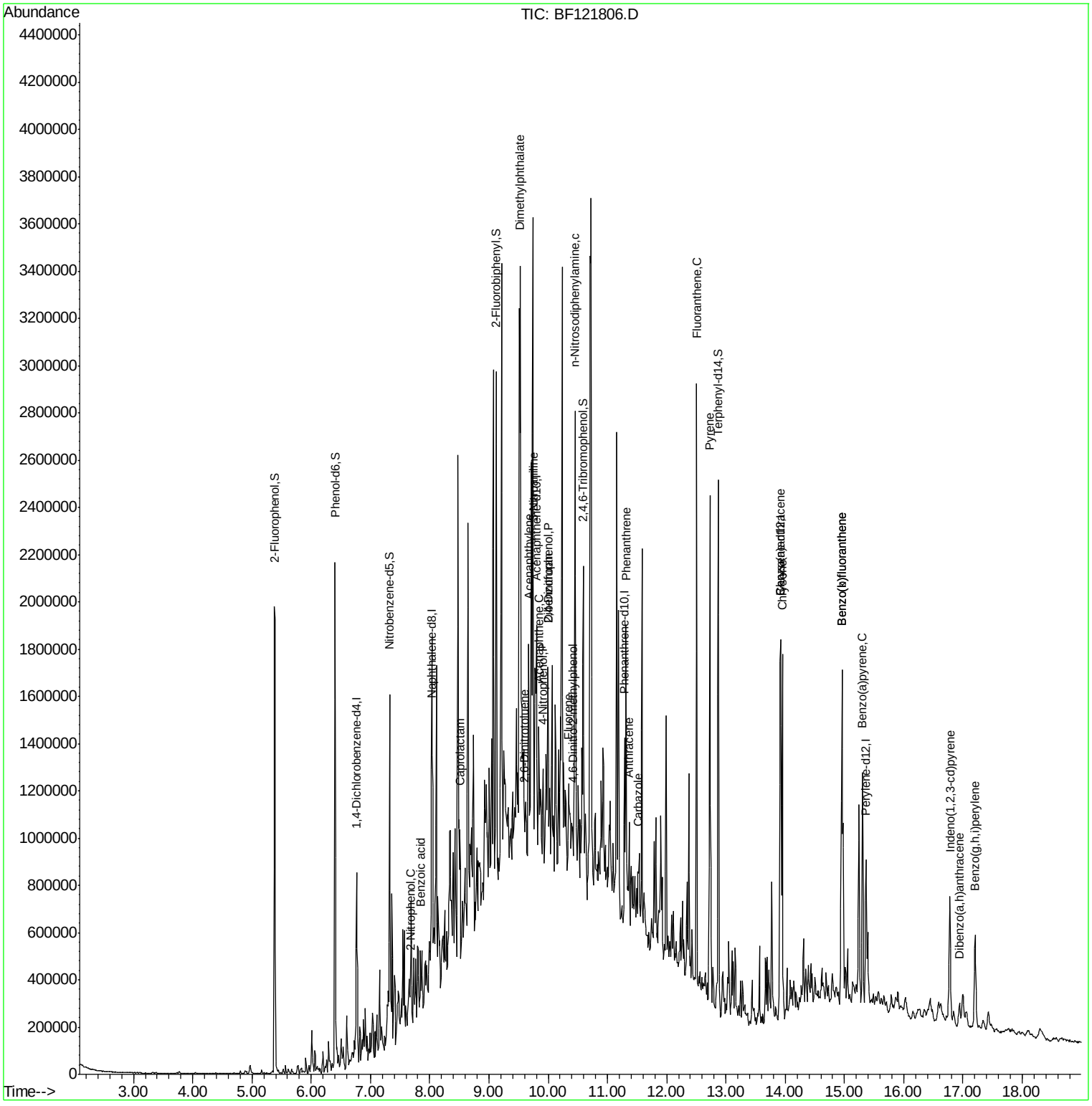
(#) = qualifier out of range (m) = manual integration (+) = signals summed

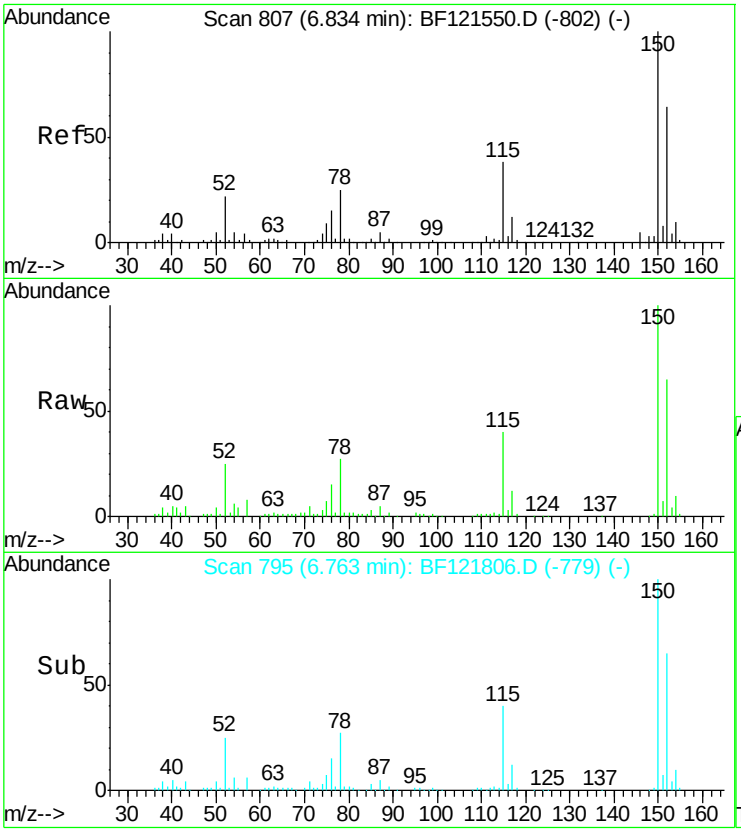
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121806.D
Acq On : 2 Oct 2020 21:23
Operator : JU/CG
Sample : L4213-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-3

Quant Time: Oct 03 00:19:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration



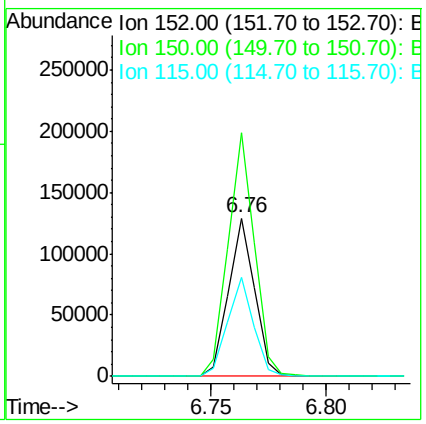


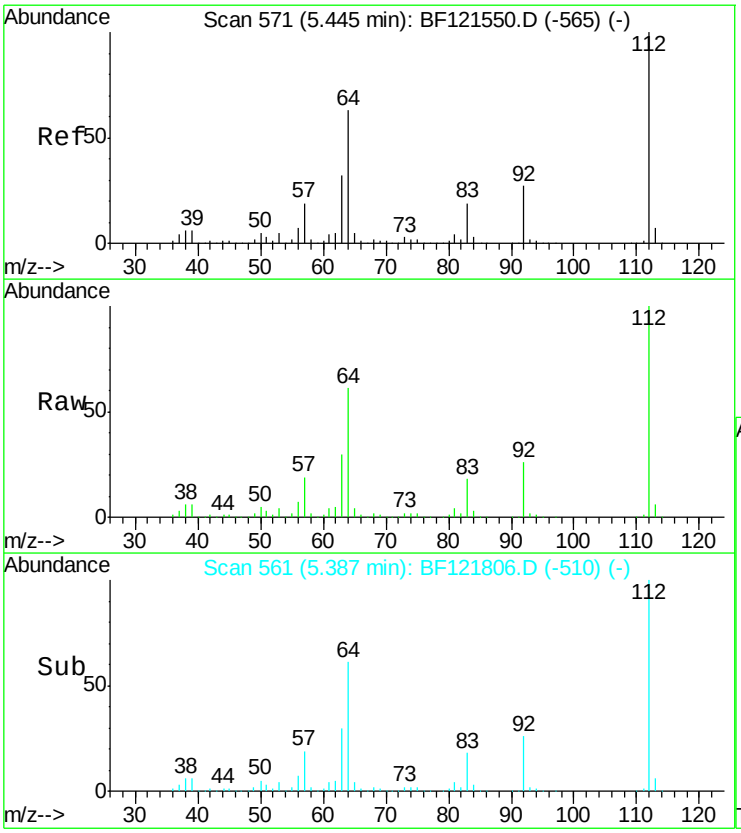
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:152 Resp: 102133

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	62.3	51.9	77.9

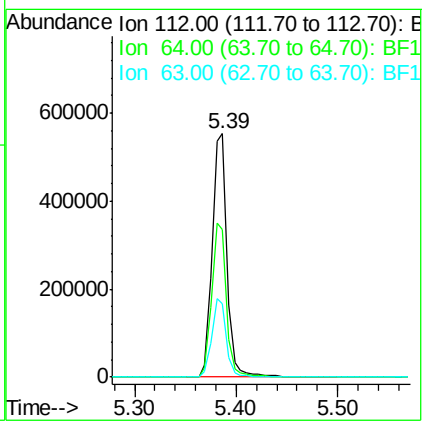


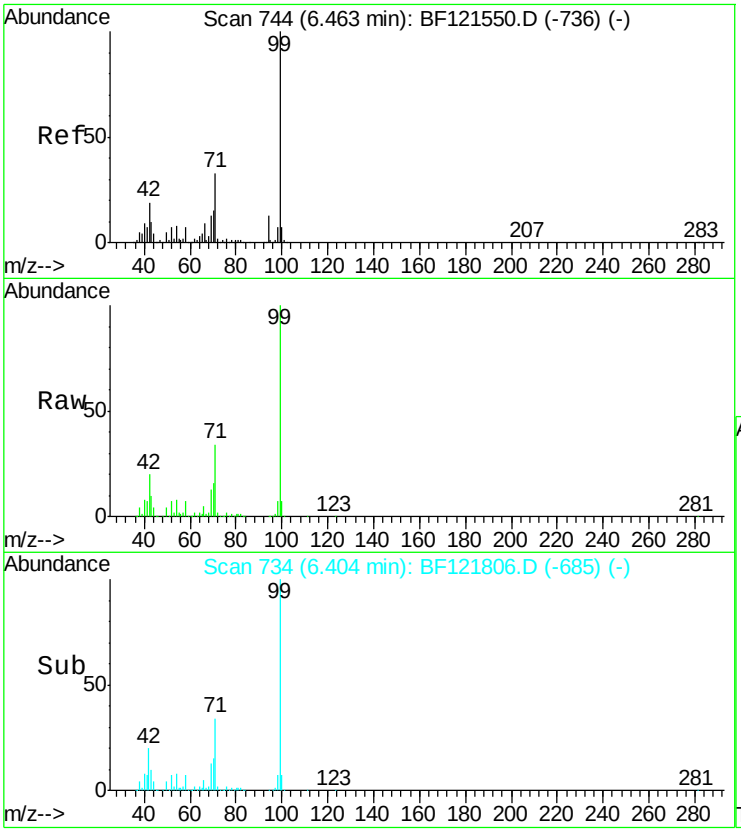


#5
2-Fluorophenol
Concen: 82.137 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:112 Resp: 564482

Ion	Ratio	Lower	Upper
112	100		
64	60.7	50.4	75.6
63	30.3	25.8	38.6



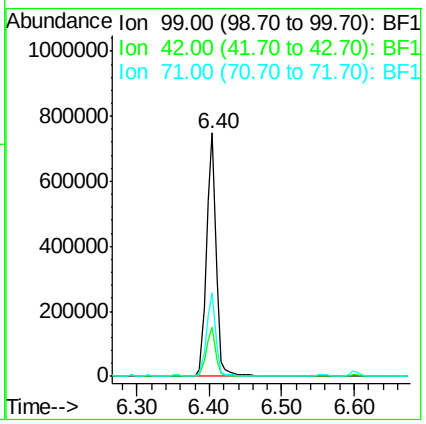


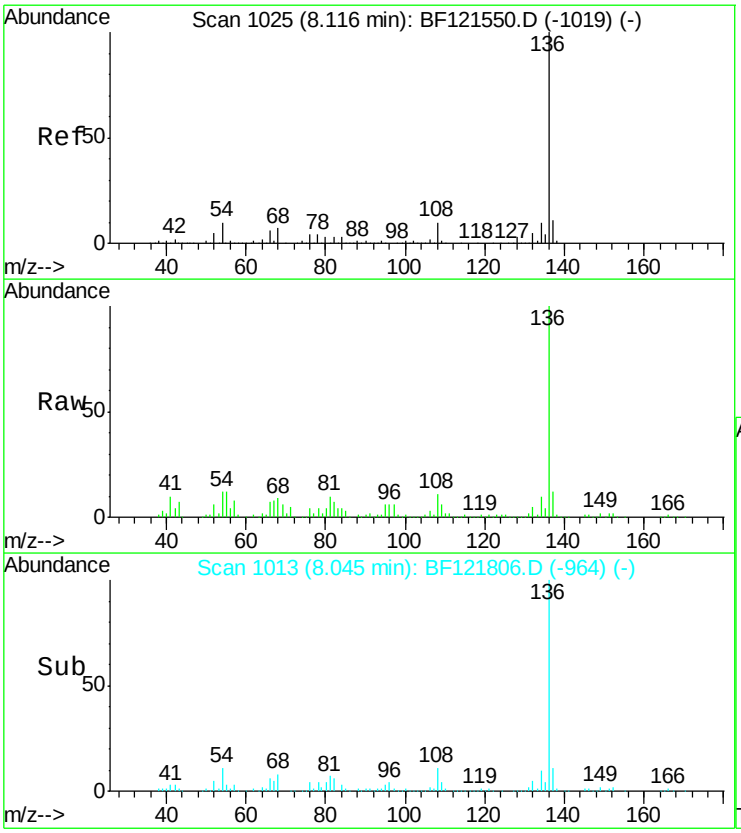
#7
Phenol-d6
Concen: 76.085 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion: 99 Resp: 686000

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	34.2	27.1	40.7

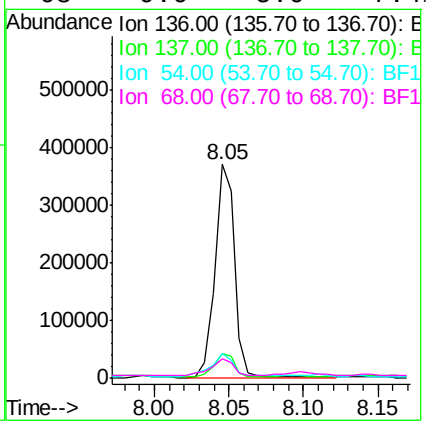


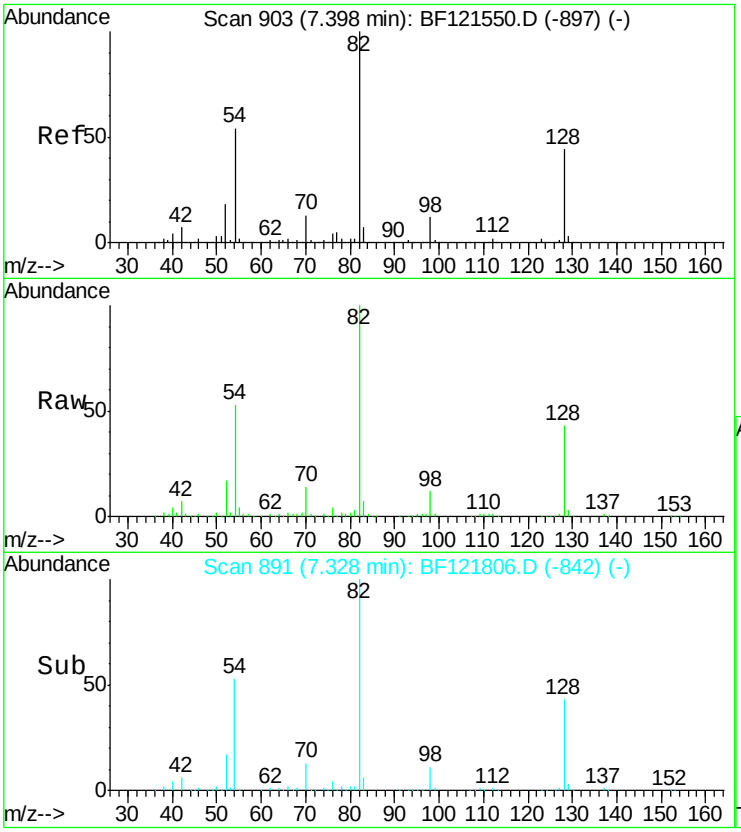


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:136 Resp: 338621

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	11.6	7.1	10.7#
68	9.0	5.0	7.4#



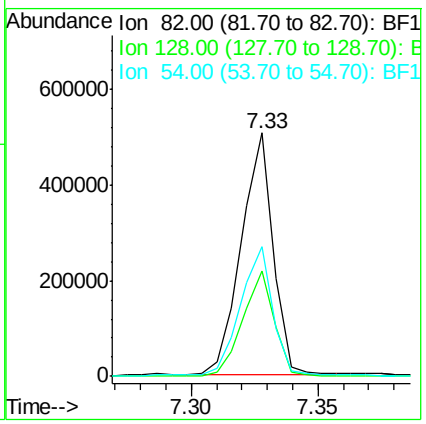


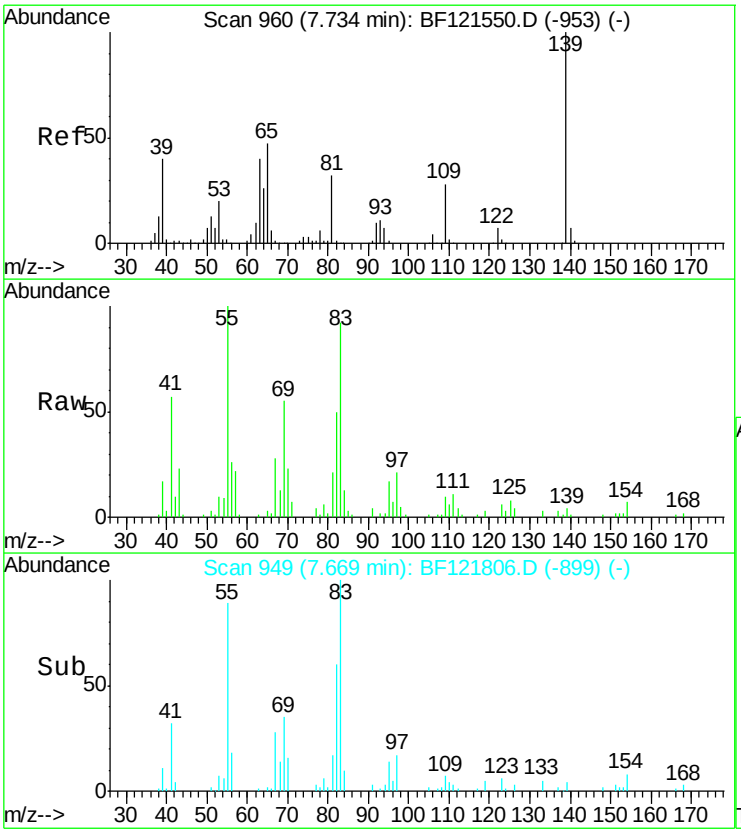
#23
Nitrobenzene-d5
Concen: 70.206 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion: 82 Resp: 442775

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.0	52.4
54	53.1	43.9	65.9

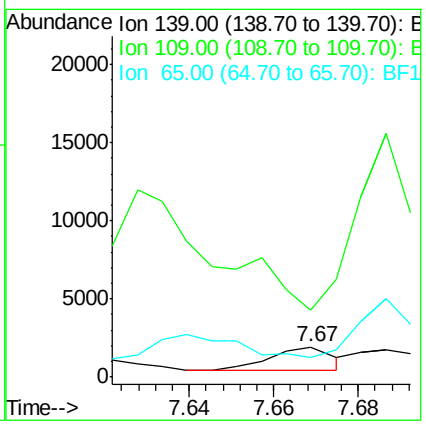


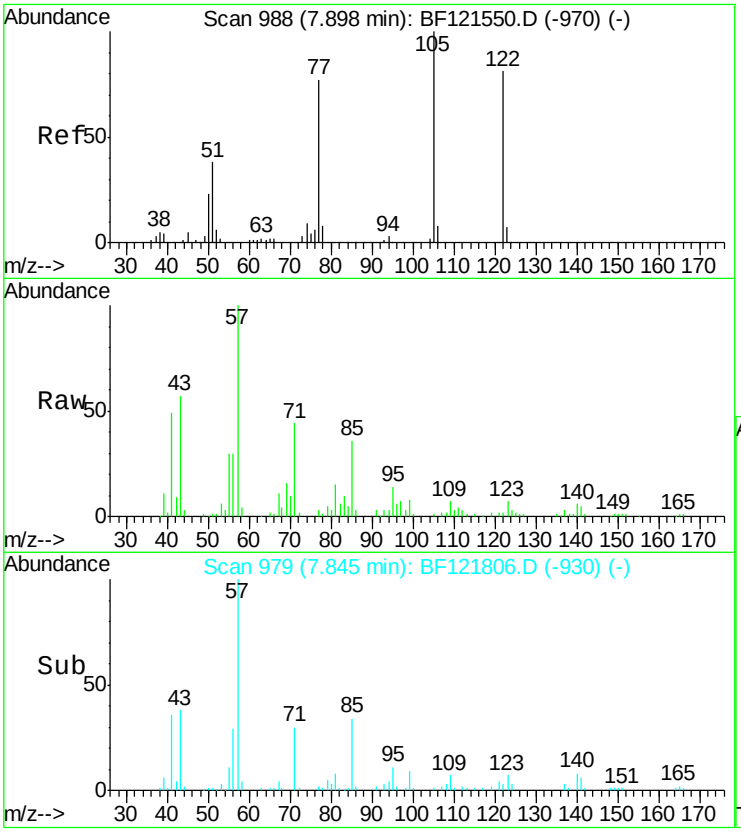


#26
2-Nitrophenol
Concen: 3.027 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:139 Resp: 1586

Ion	Ratio	Lower	Upper
139	100		
109	222.2	23.0	34.4#
65	64.5	39.9	59.9#



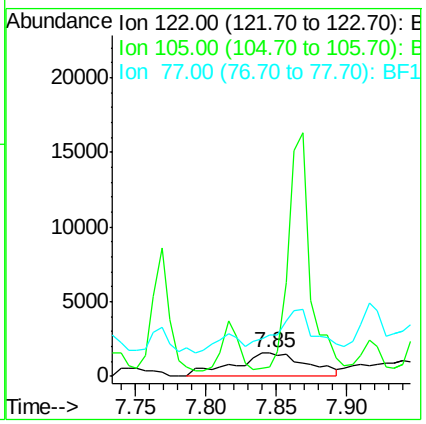


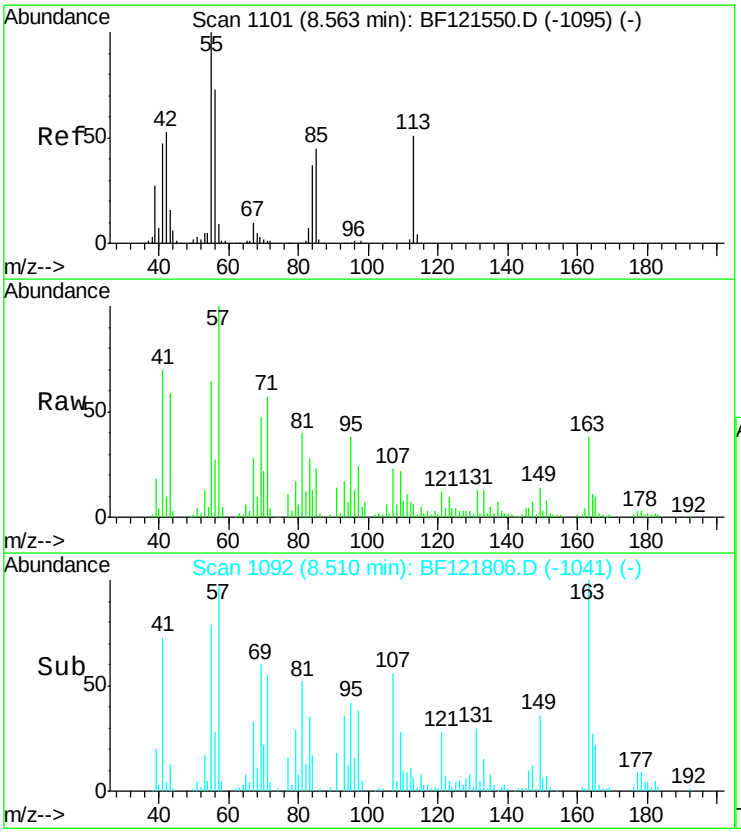
#32
Benzoic acid
Concen: 8.090 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:122 Resp: 5703

Ion	Ratio	Lower	Upper
122	100		
105	39.6	103.3	143.3#
77	174.1	73.9	113.9#

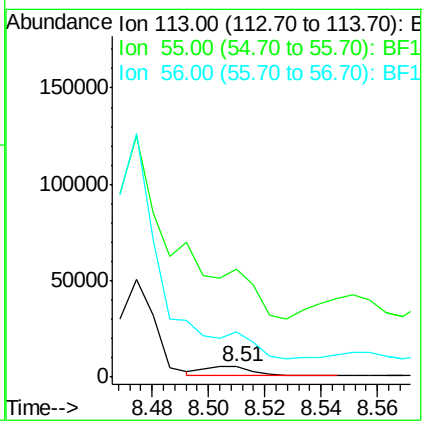


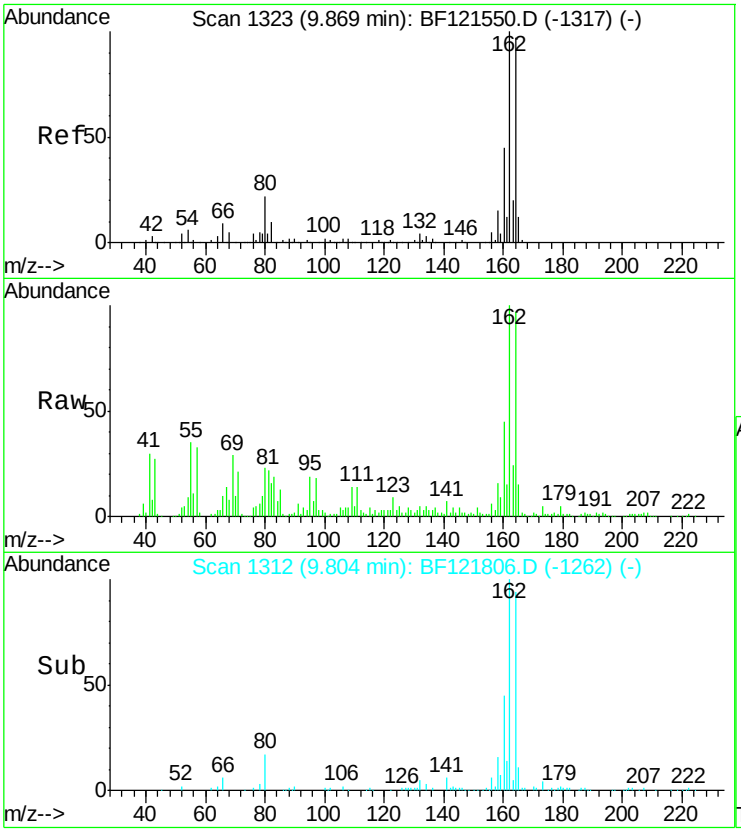


#35
Caprolactam
Concen: 3.455 ng
RT: 8.51 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:113 Resp: 5938

Ion	Ratio	Lower	Upper
113	100		
55	1053.7	167.5	207.5#
56	443.2	121.2	161.2#



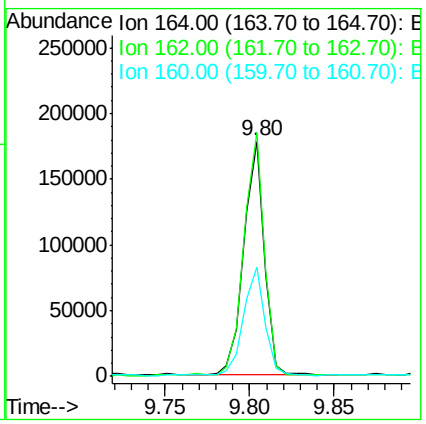


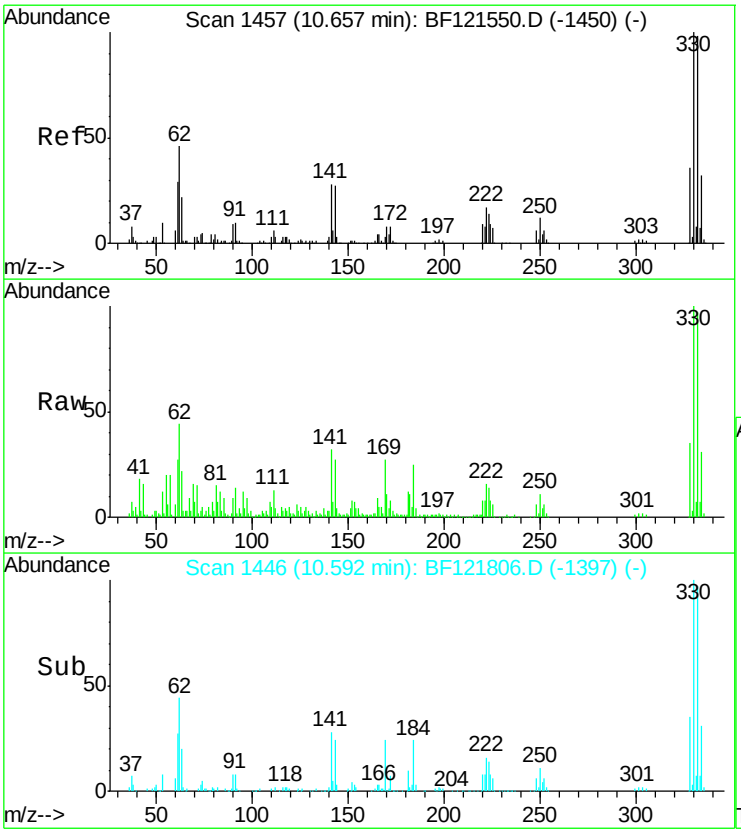
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:164 Resp: 150976

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.2	124.8
160	46.5	37.5	56.3

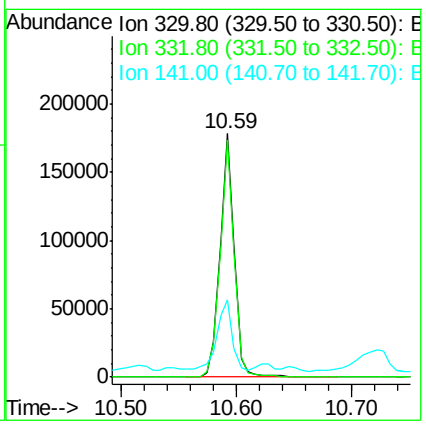


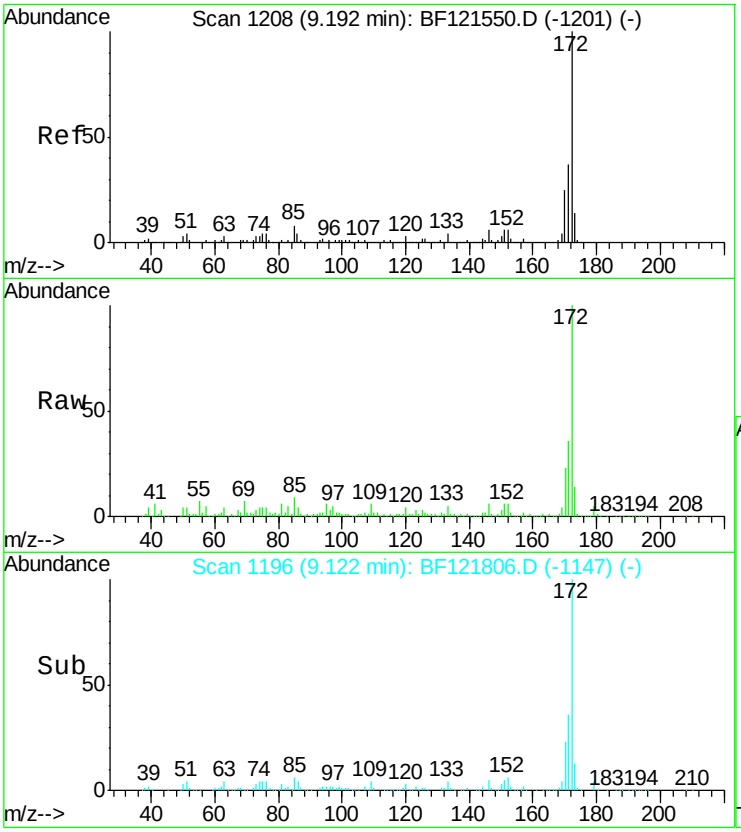


#42
2,4,6-Tribromophenol
Concen: 81.112 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:330 Resp: 152201

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	29.7	22.3	33.5



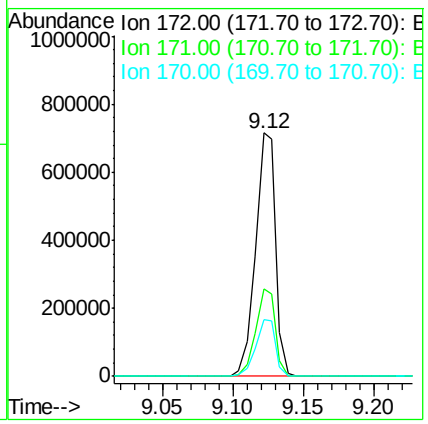


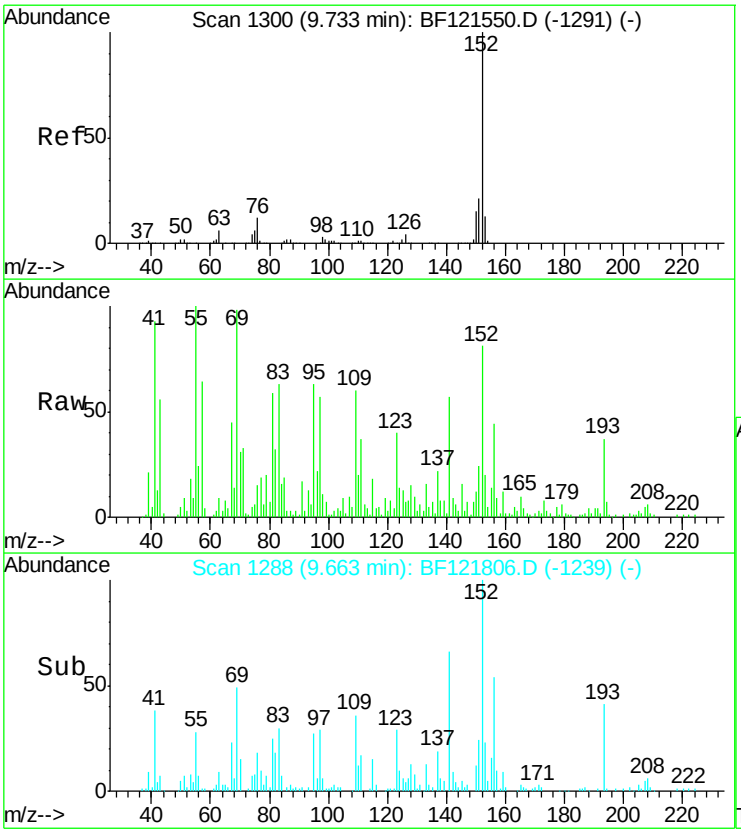
#45
2-Fluorobiphenyl
Concen: 71.920 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:172 Resp: 716936

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.1	43.7
170	23.4	19.8	29.6

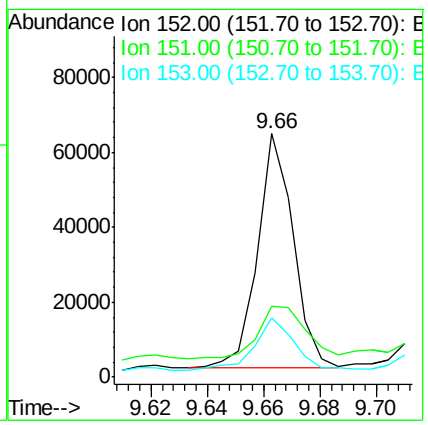


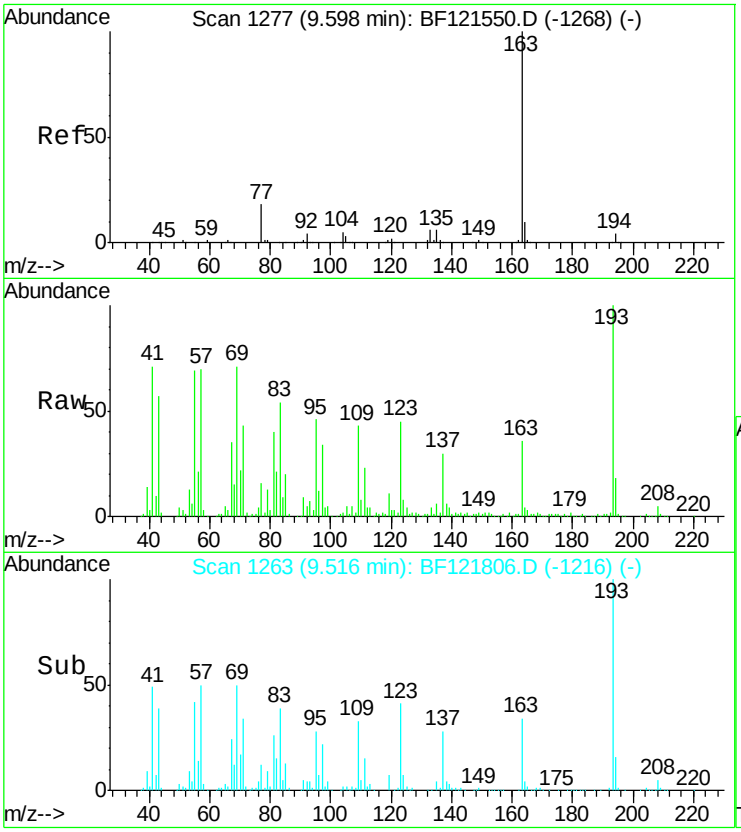


#49
Acenaphthylene
Concen: 3.733 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:152 Resp: 54632

Ion	Ratio	Lower	Upper
152	100		
151	28.9	16.4	24.6#
153	24.4	10.6	15.8#



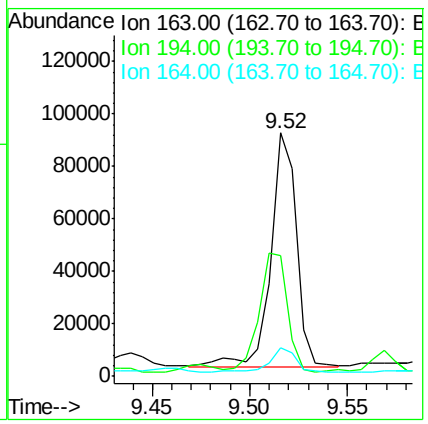


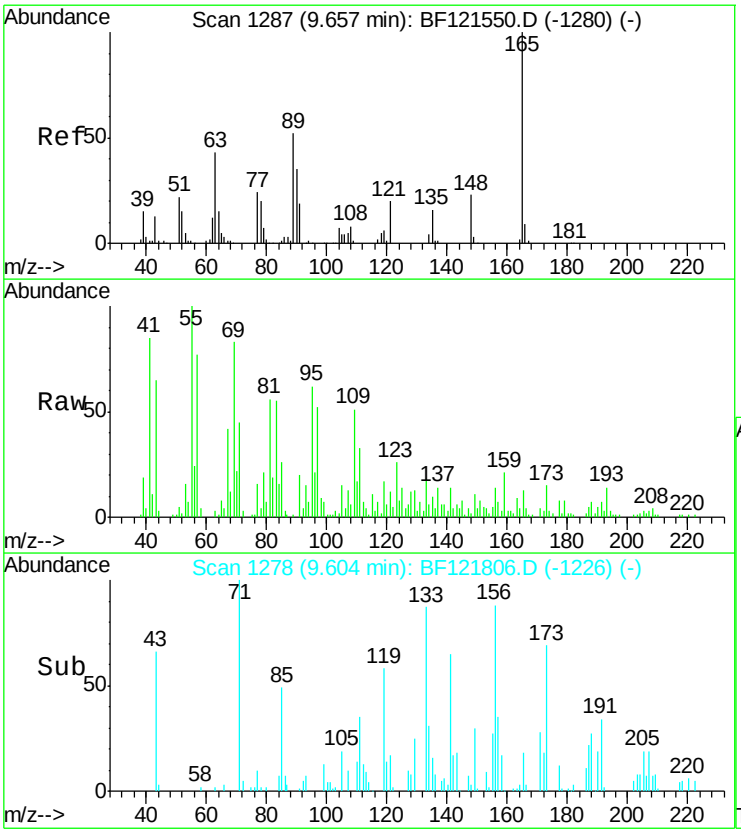
#50
Dimethylphthalate
Concen: 7.403 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:163 Resp: 81005

Ion	Ratio	Lower	Upper
163	100		
194	49.6	3.3	4.9#
164	11.9	8.2	12.4

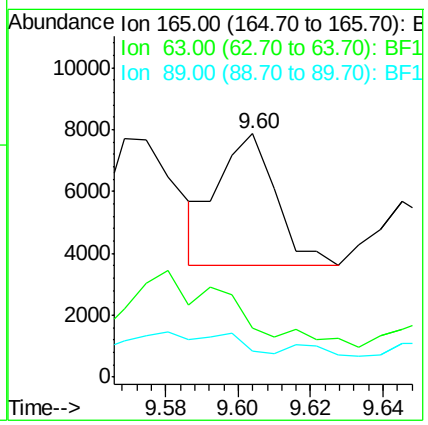


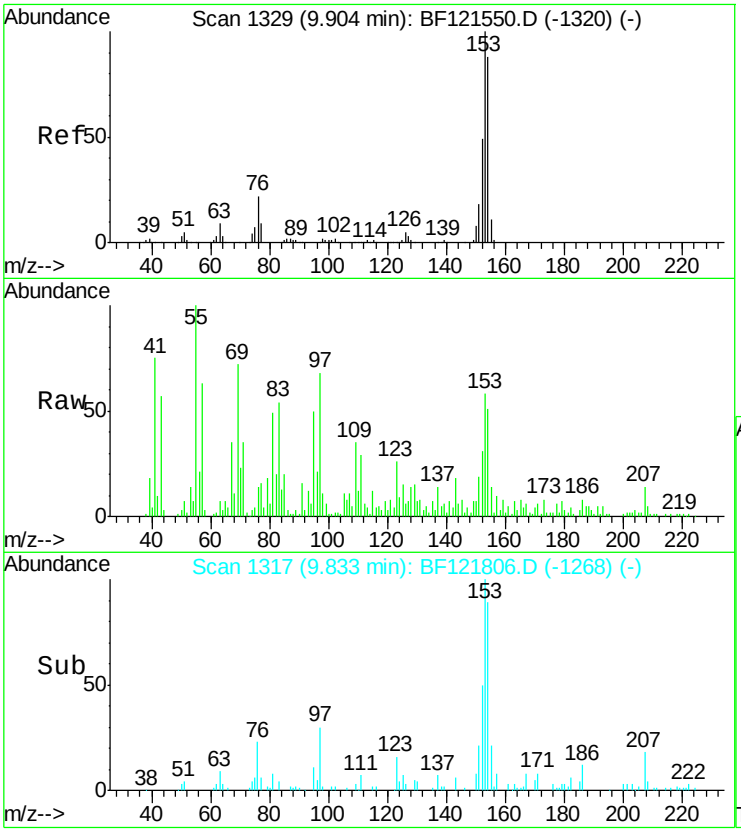


#51
2,6-Dinitrotoluene
Concen: 2.013 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:165 Resp: 4692

Ion	Ratio	Lower	Upper
165	100		
63	20.3	51.8	77.6#
89	10.5	49.0	73.6#



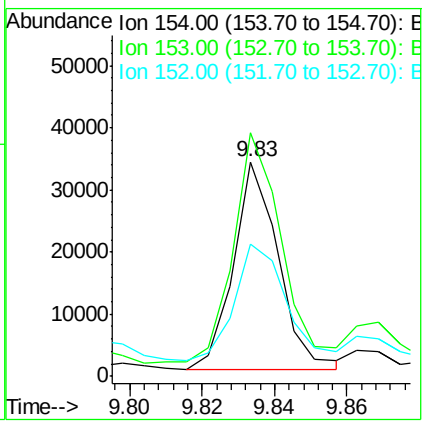


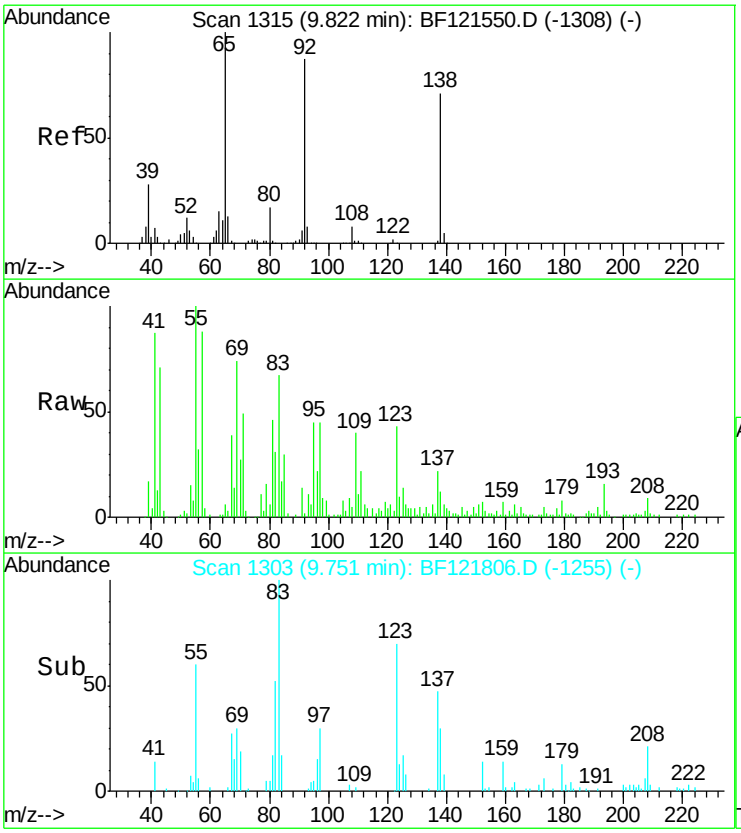
#52
Acenaphthene
Concen: 3.107 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:154 Resp: 28722

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.8
152	62.0	43.2	64.8

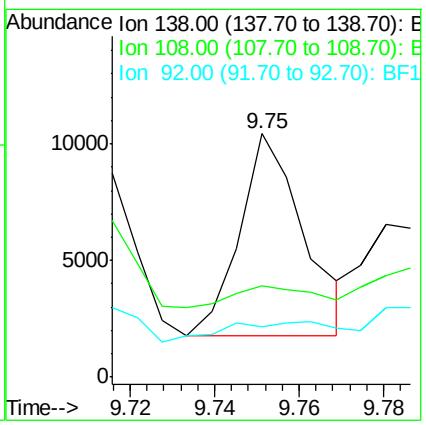


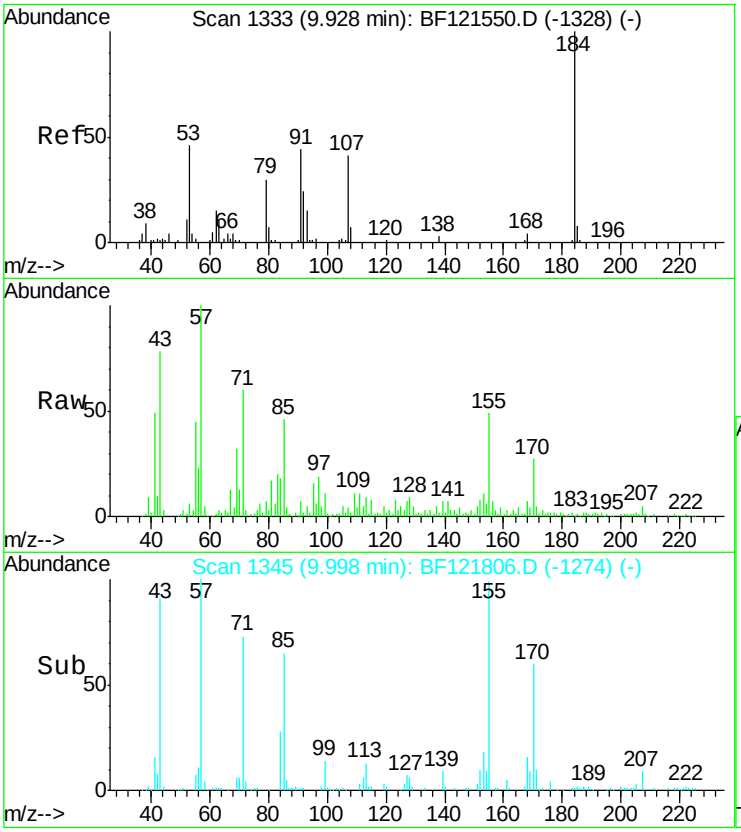


#53
3-Nitroaniline
Concen: 3.383 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:138 Resp: 9134

Ion	Ratio	Lower	Upper
138	100		
108	37.5	8.6	13.0#
92	20.5	96.6	144.8#



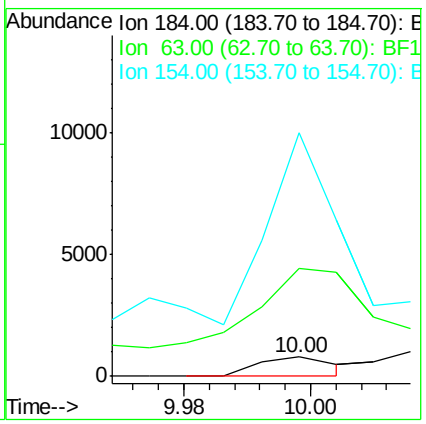


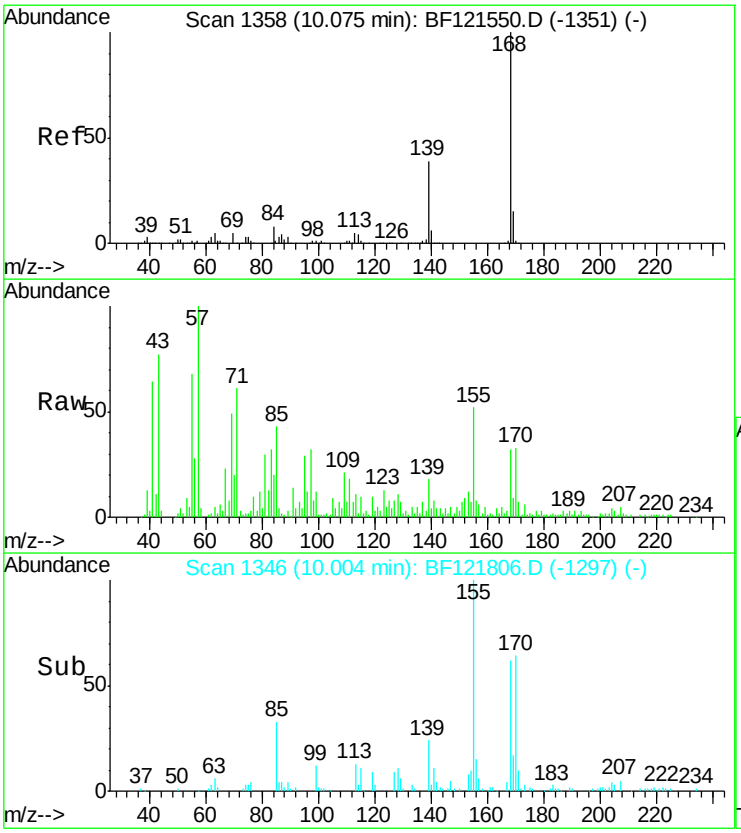
#54
2,4-Dinitrophenol
Concen: 9.476 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.12 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:184 Resp: 649

Ion	Ratio	Lower	Upper
184	100		
63	566.4	45.9	68.9#
154	1278.5	45.8	68.6#

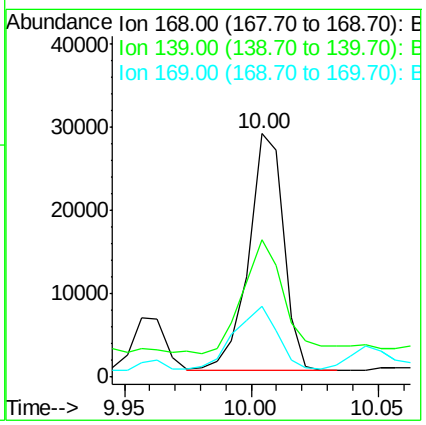


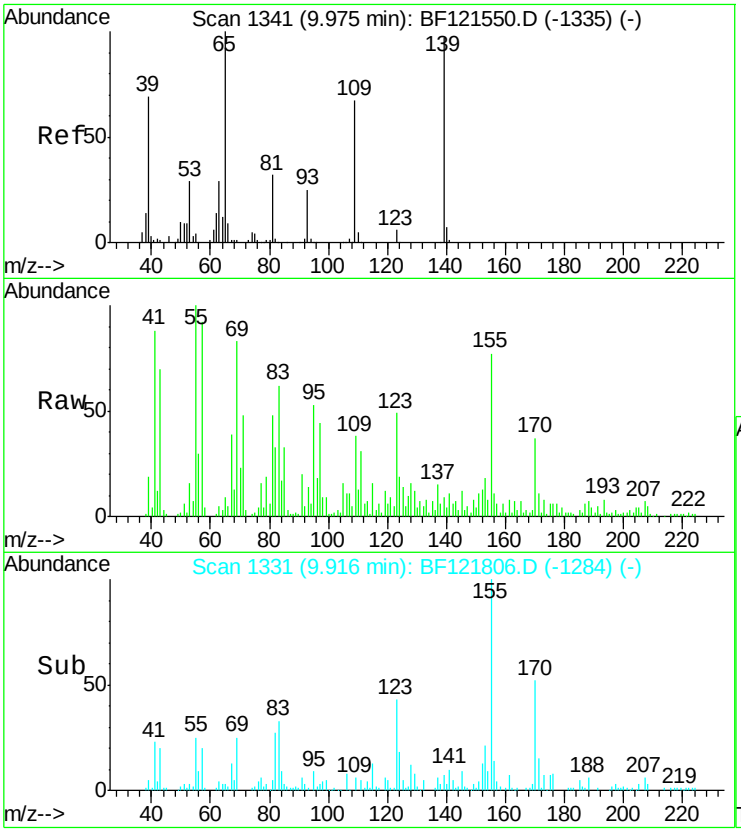


#55
Dibenzofuran
Concen: 2.124 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:168 Resp: 27647

Ion	Ratio	Lower	Upper
168	100		
139	56.2	31.0	46.6#
169	29.0	11.3	16.9#



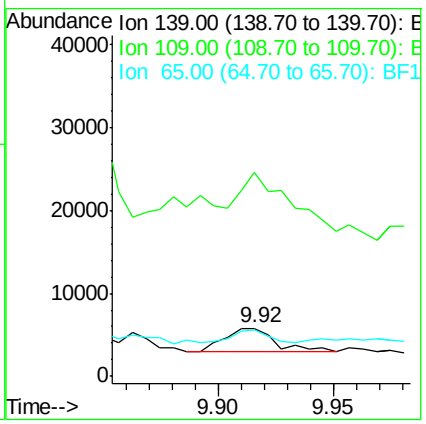


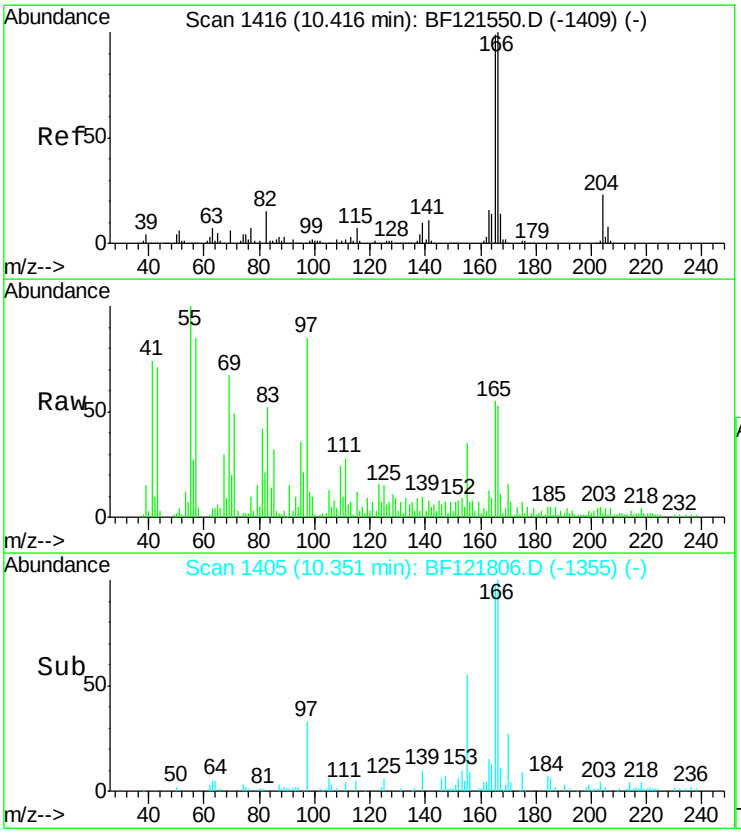
#56
4-Nitrophenol
Concen: 2.042 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:139 Resp: 4396

Ion	Ratio	Lower	Upper
139	100		
109	424.4	45.4	85.4#
65	95.6	68.4	108.4

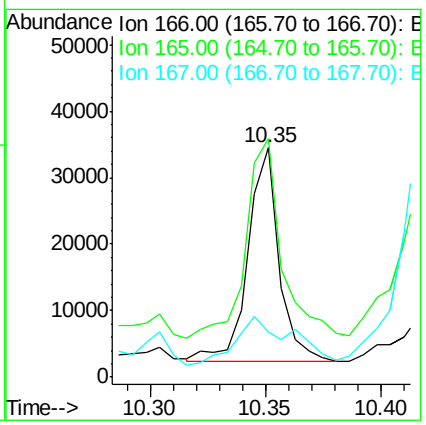


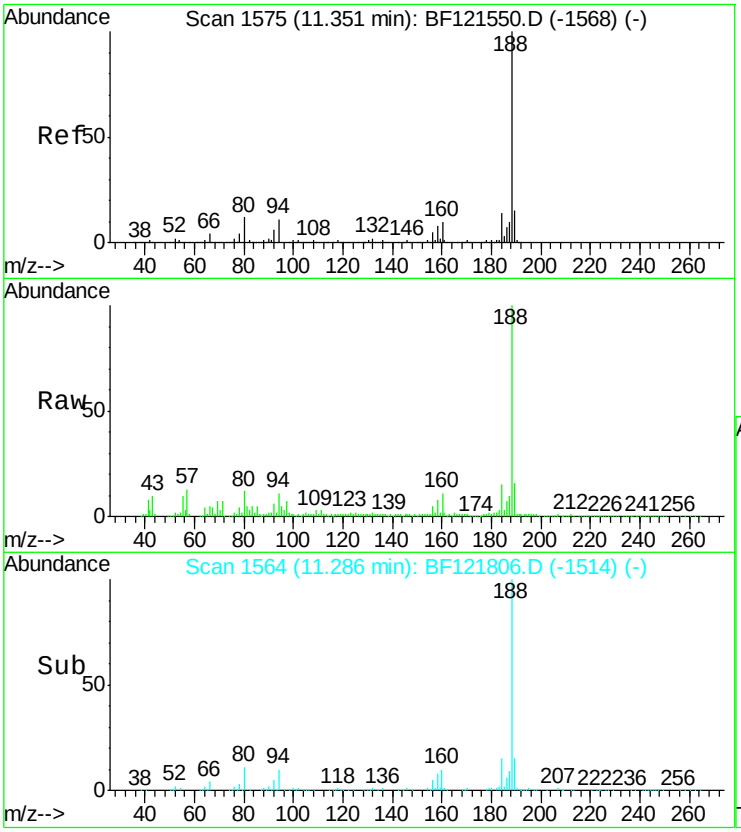


#58
Fluorene
Concen: 3.061 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:166 Resp: 30472

Ion	Ratio	Lower	Upper
166	100		
165	104.0	79.1	118.7
167	19.8	11.0	16.6#



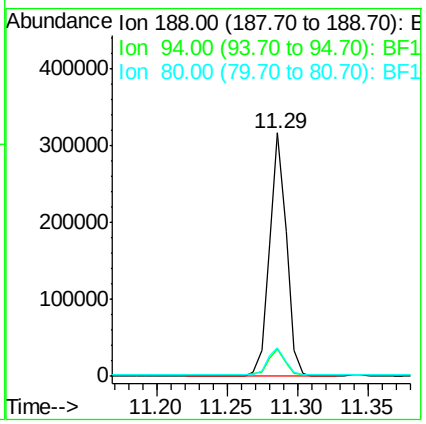


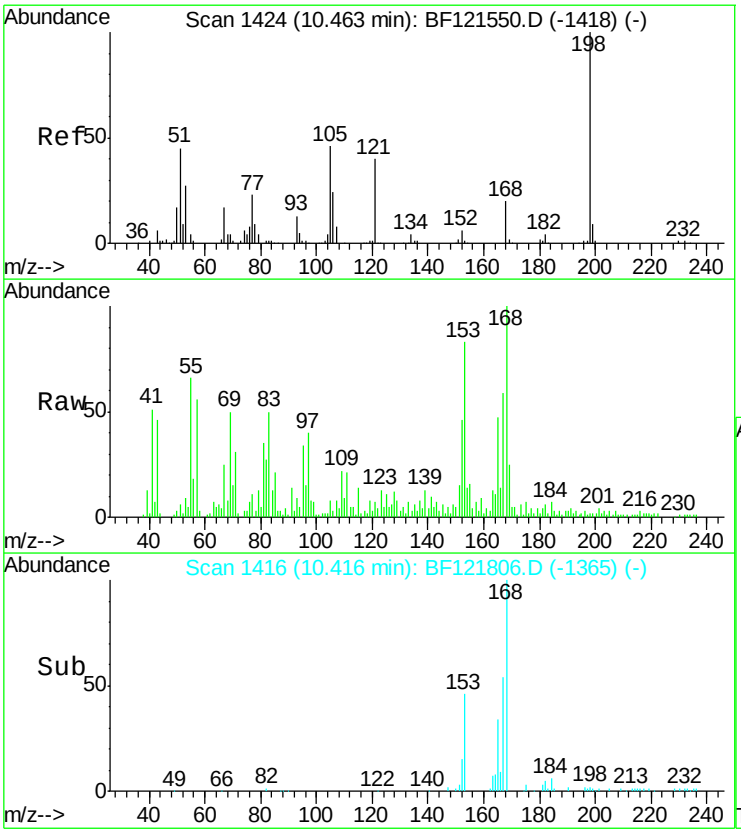
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:188 Resp: 268469

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.3	12.5
80	11.7	9.1	13.7

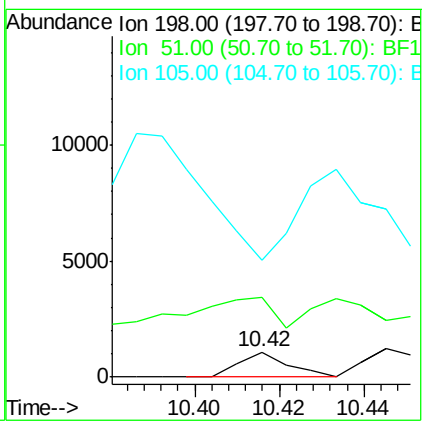


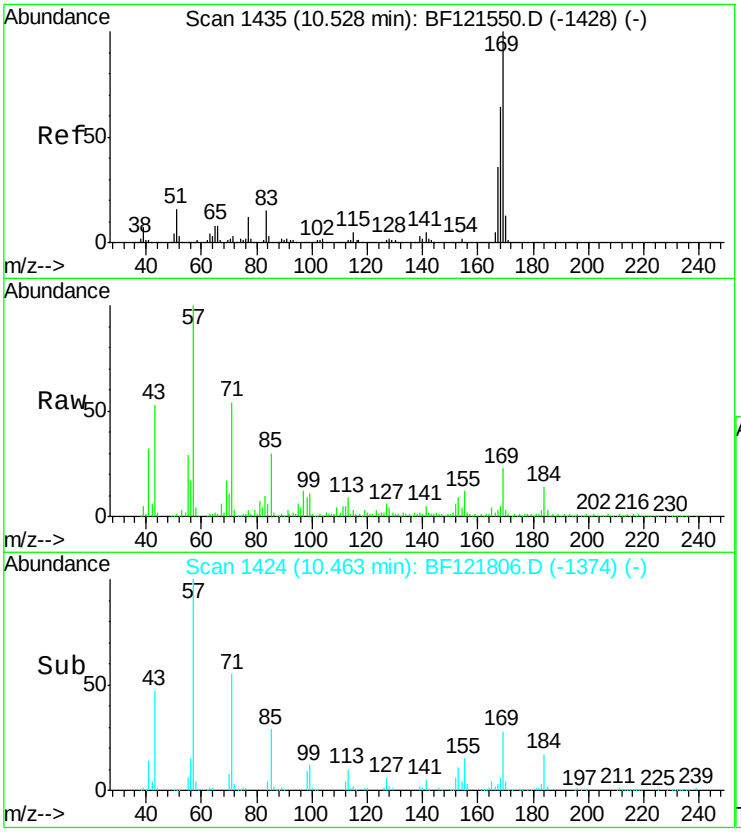


#65
4,6-Dinitro-2-methylphenol
Concen: 7.310 ng
RT: 10.42 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:198 Resp: 880

Ion	Ratio	Lower	Upper
198	100		
51	314.8	29.6	69.6#
105	464.4	24.4	64.4#



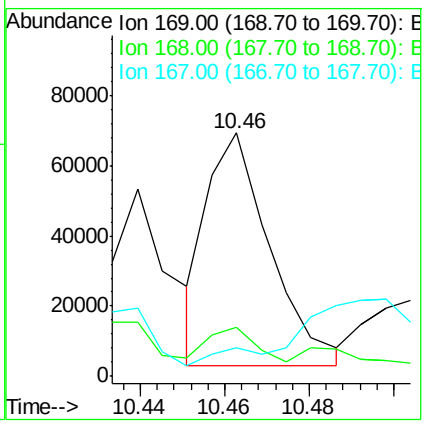


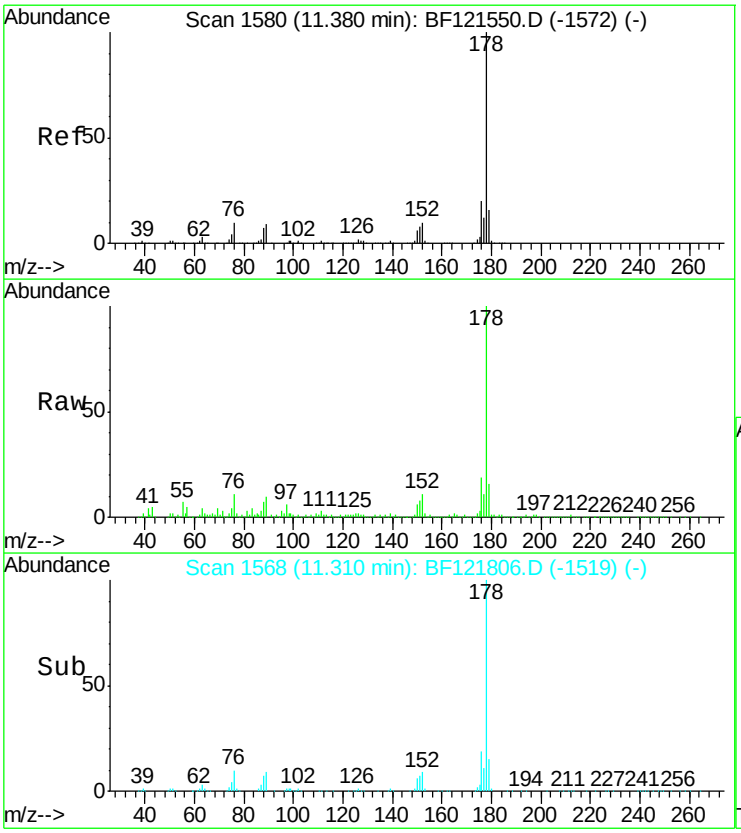
#66
n-Nitrosodiphenylamine
Concen: 7.454 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:169 Resp: 68655

Ion	Ratio	Lower	Upper
169	100		
168	20.2	50.0	75.0#
167	11.9	27.8	41.6#

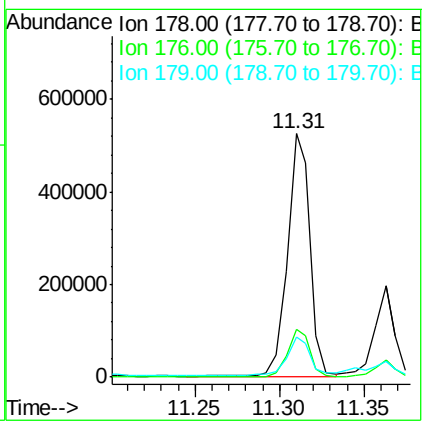


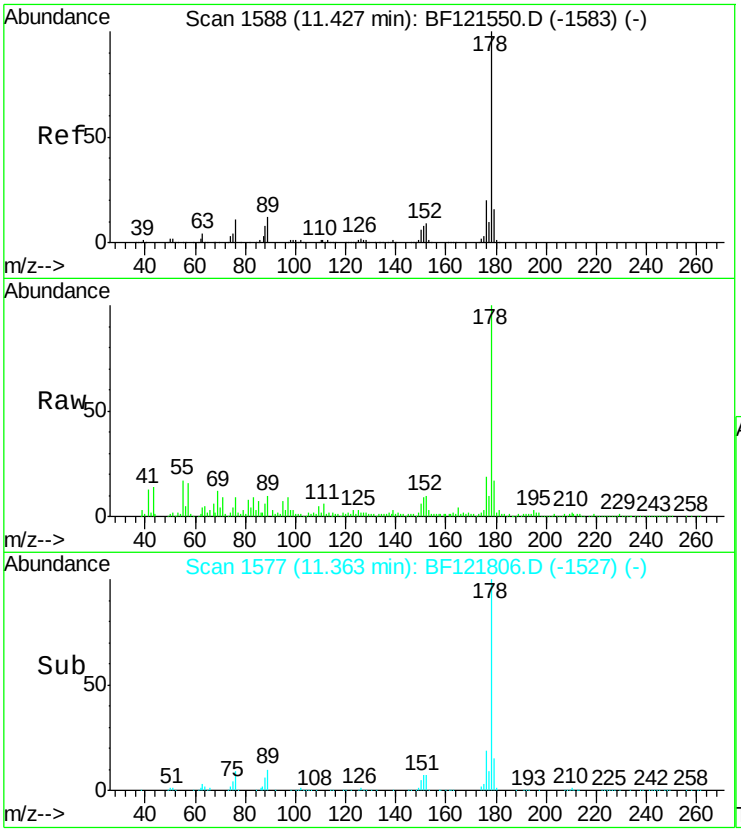


#71
Phenanthrene
Concen: 33.155 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:178 Resp: 484973

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	16.4	12.2	18.4



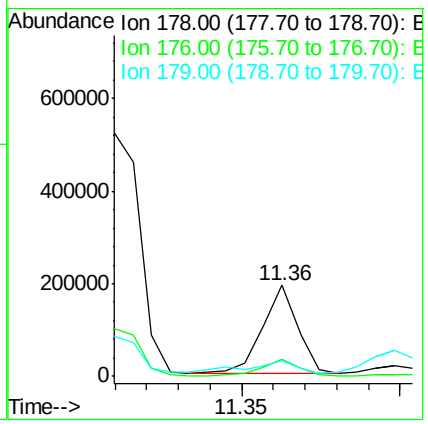


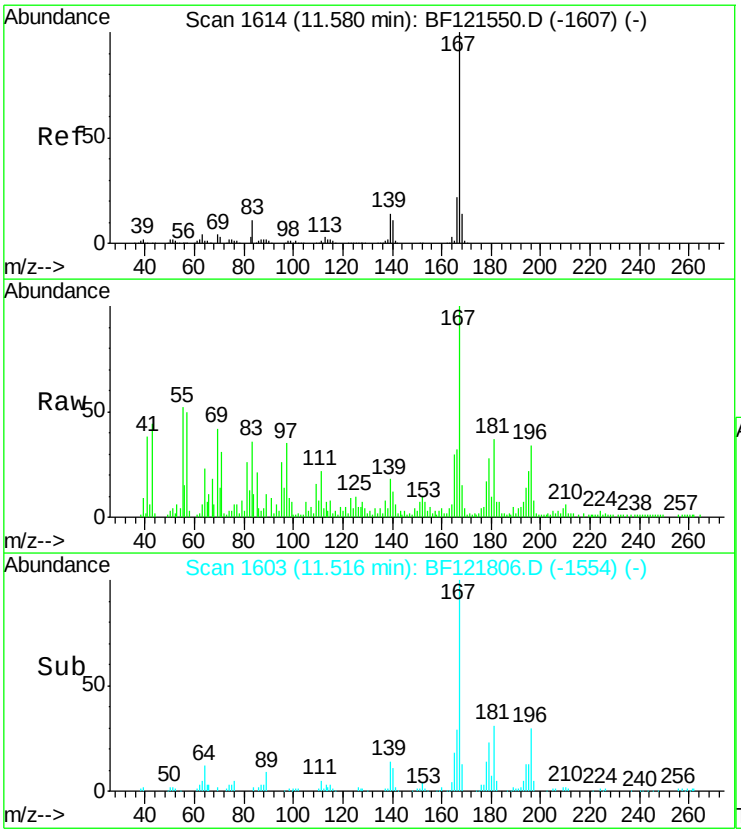
#72
Anthracene
Concen: 9.859 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:178 Resp: 148820

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	17.0	12.7	19.1

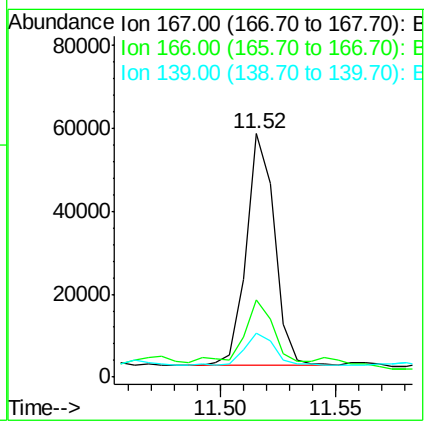


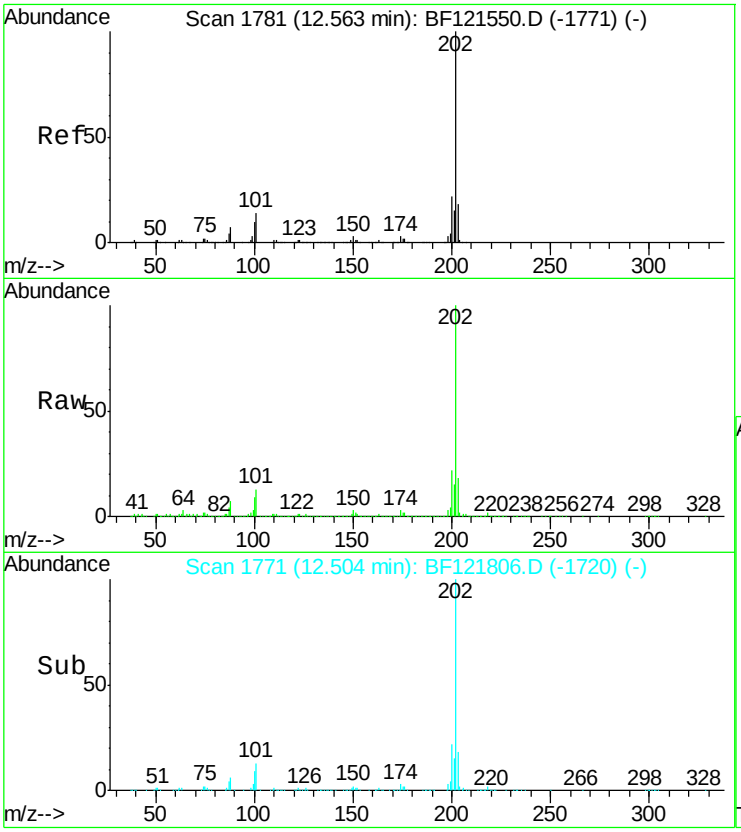


#73
Carbazole
Concen: 3.517 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:167 Resp: 47905

Ion	Ratio	Lower	Upper
167	100		
166	31.6	17.8	26.6#
139	18.2	10.8	16.2#



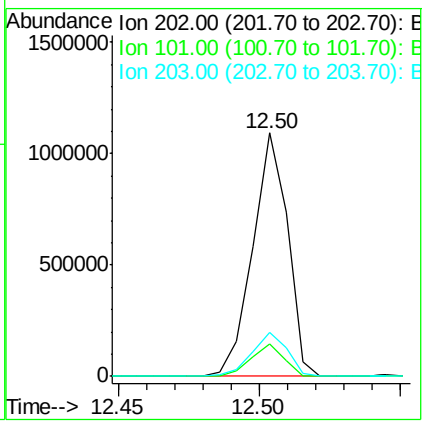


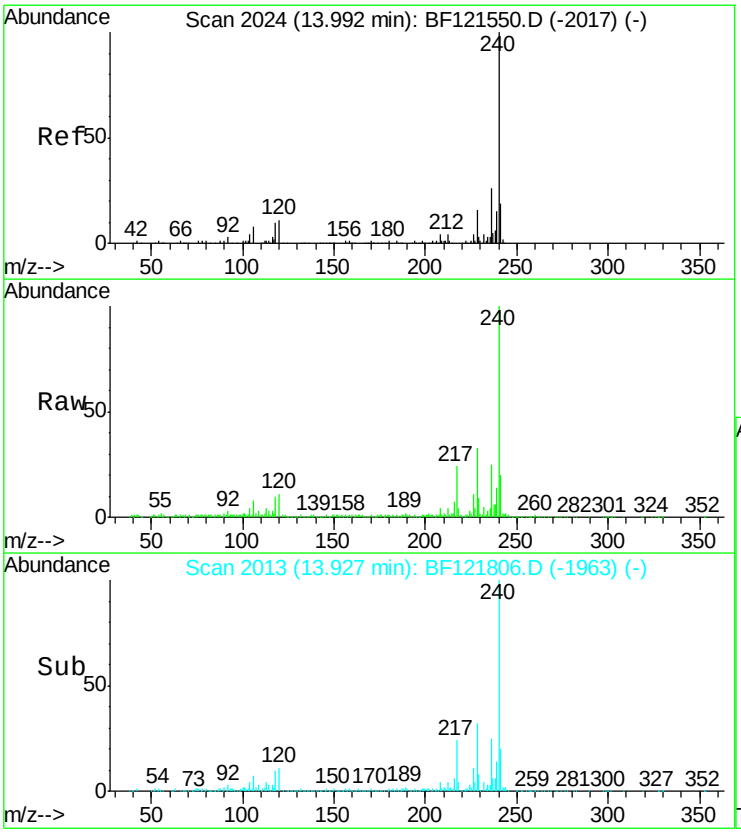
#75
Fluoranthene
Concen: 60.081 ng
RT: 12.50 min Scan# 1771
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:202 Resp: 938134

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.4
203	18.3	0.0	37.9

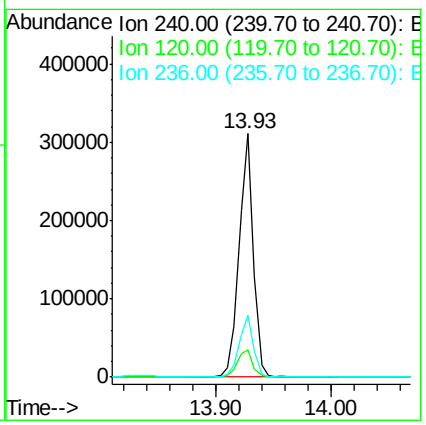


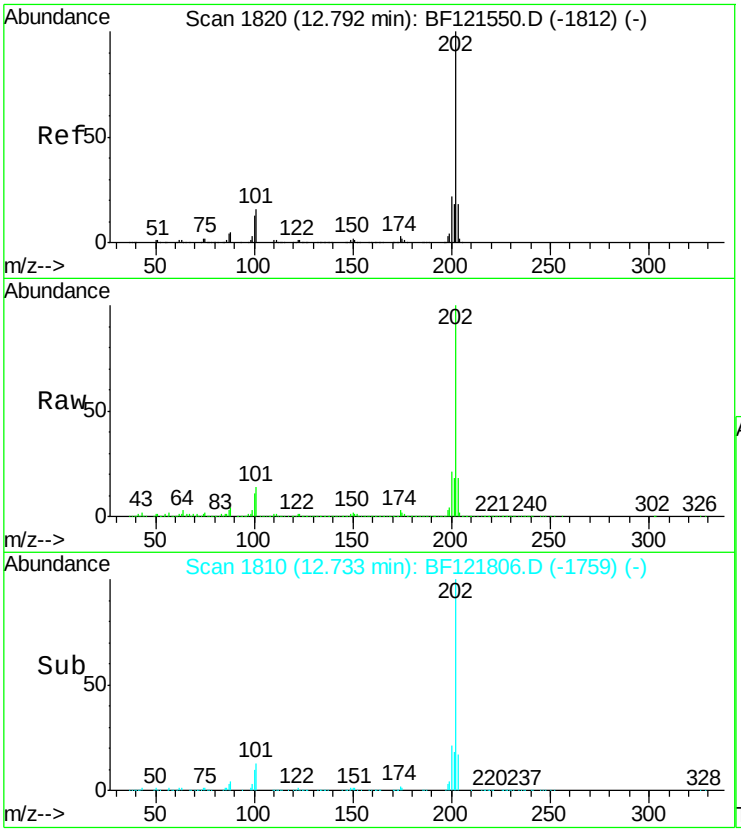


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:240 Resp: 263501

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.2	13.8
236	25.4	20.9	31.3



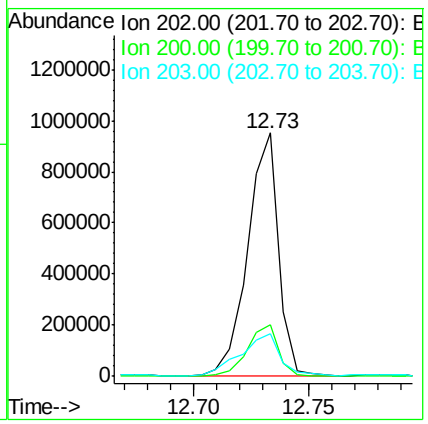


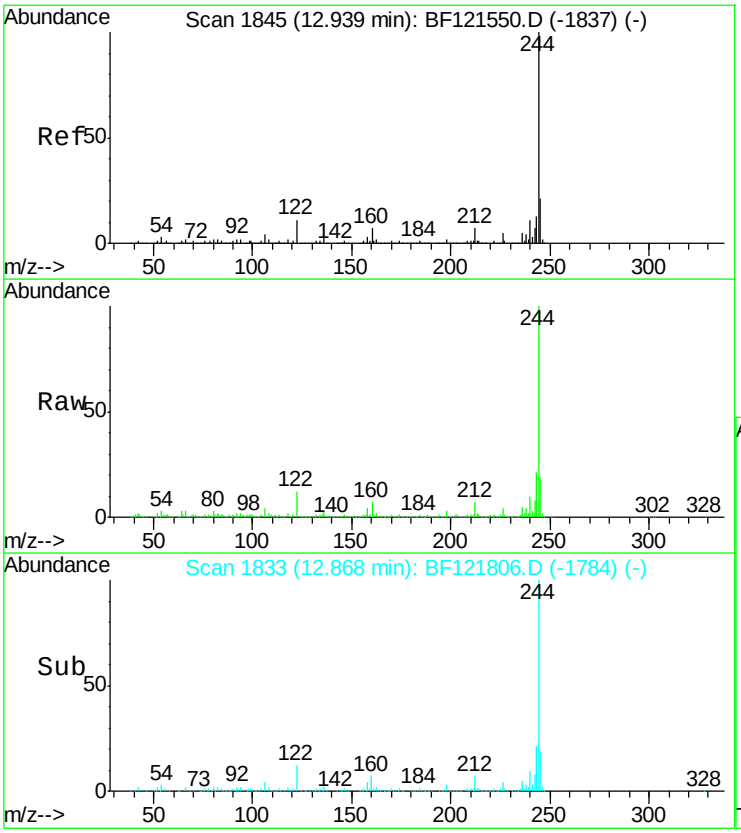
#78
Pyrene
Concen: 45.993 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:202 Resp: 885465

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.7	14.6	21.8

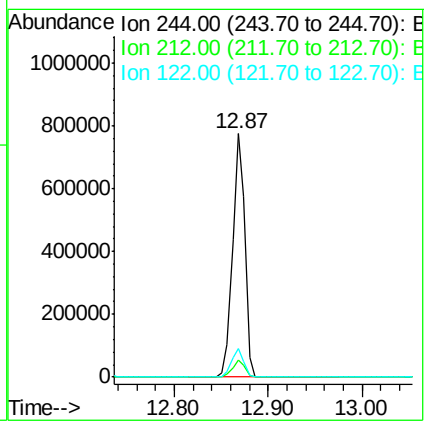


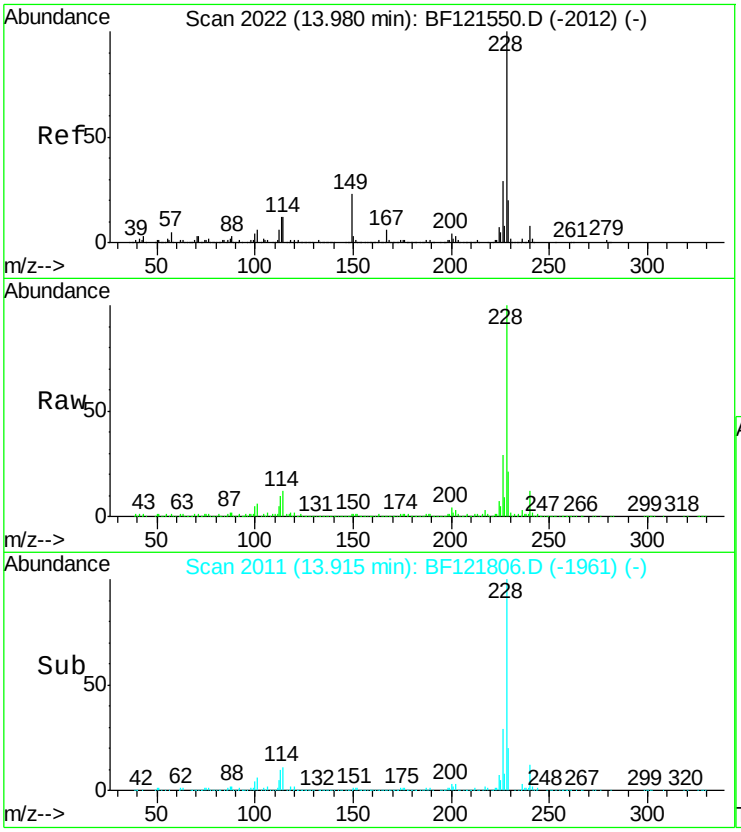


#79
Terphenyl-d14
Concen: 53.831 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:244 Resp: 700155

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.6	8.1	12.1



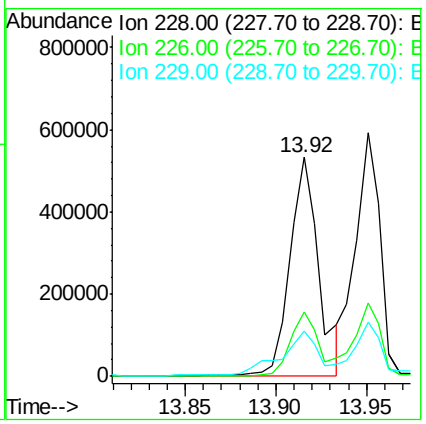


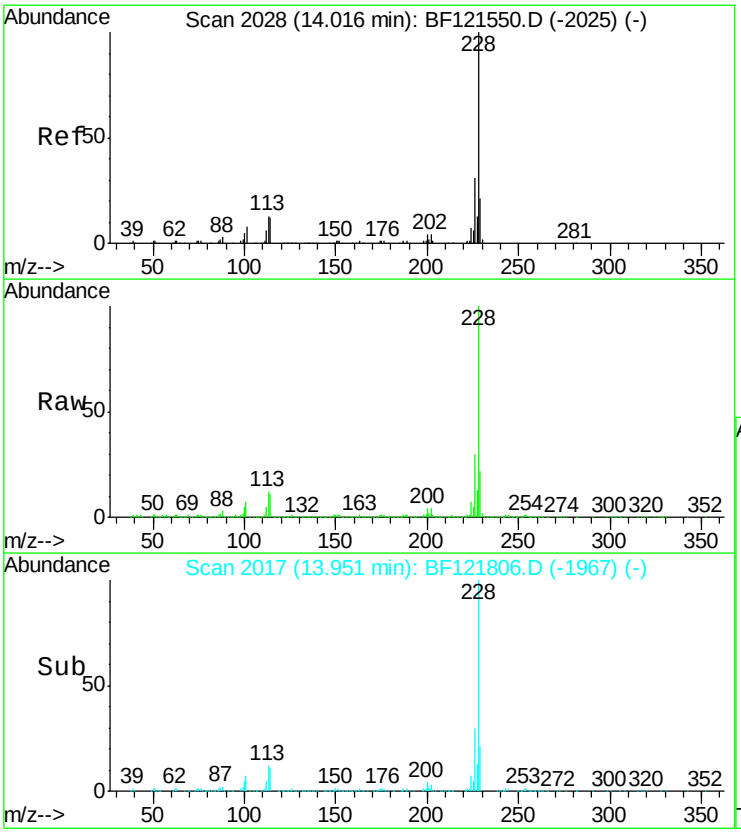
#81
Benzo(a)anthracene
Concen: 35.507 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:228 Resp: 591909

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.3	33.5
229	20.6	16.2	24.4

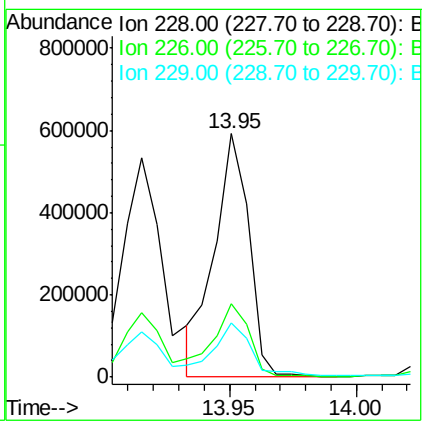


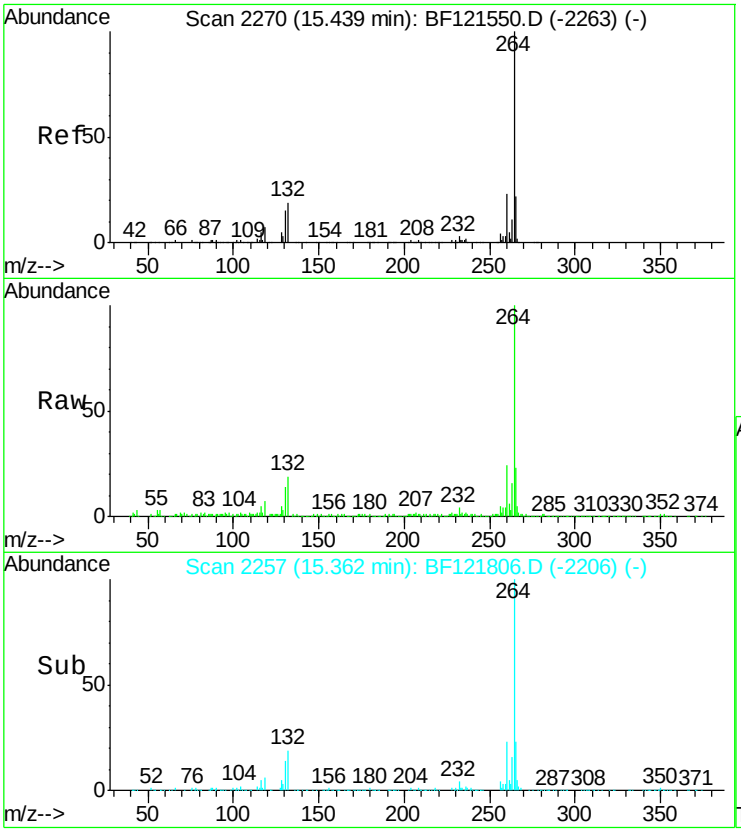


#83
Chrysene
Concen: 33.048 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:228 Resp: 557883

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	22.2	15.9	23.9



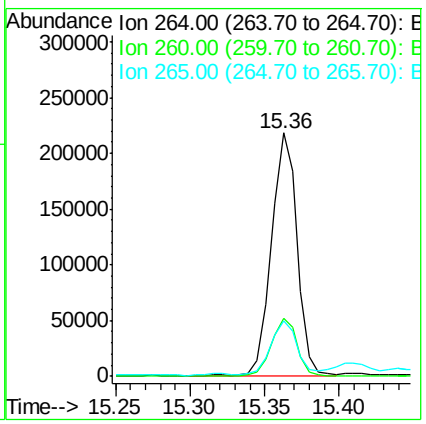


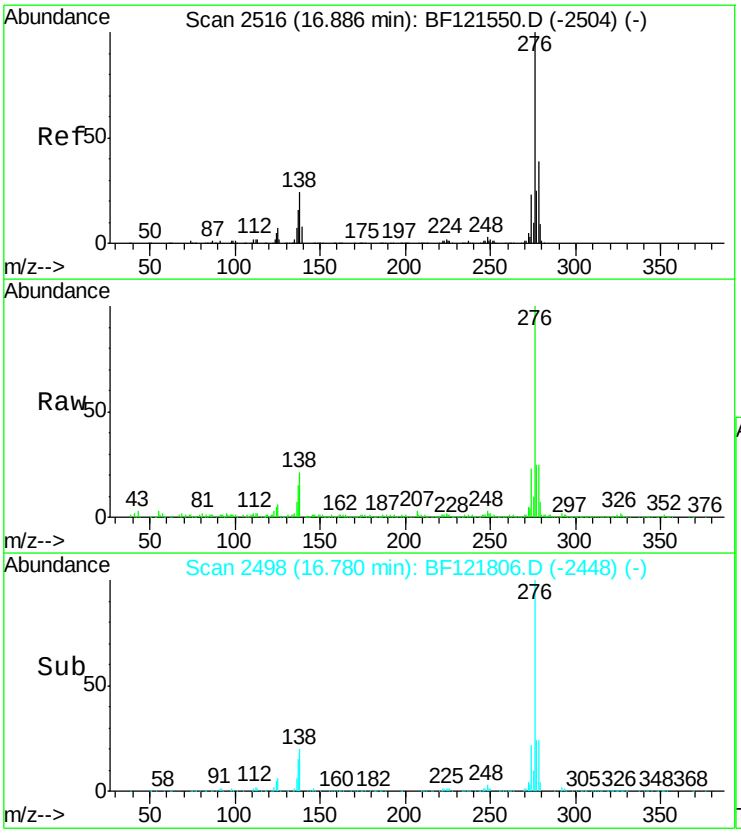
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:264 Resp: 261041

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	23.0	17.3	25.9

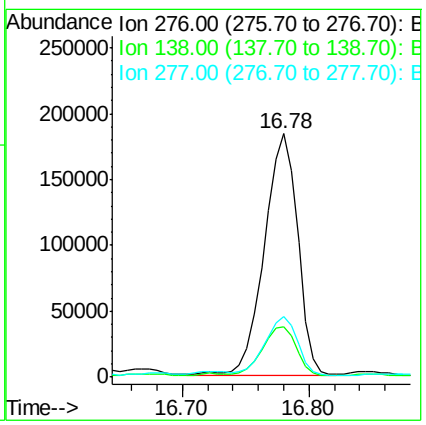


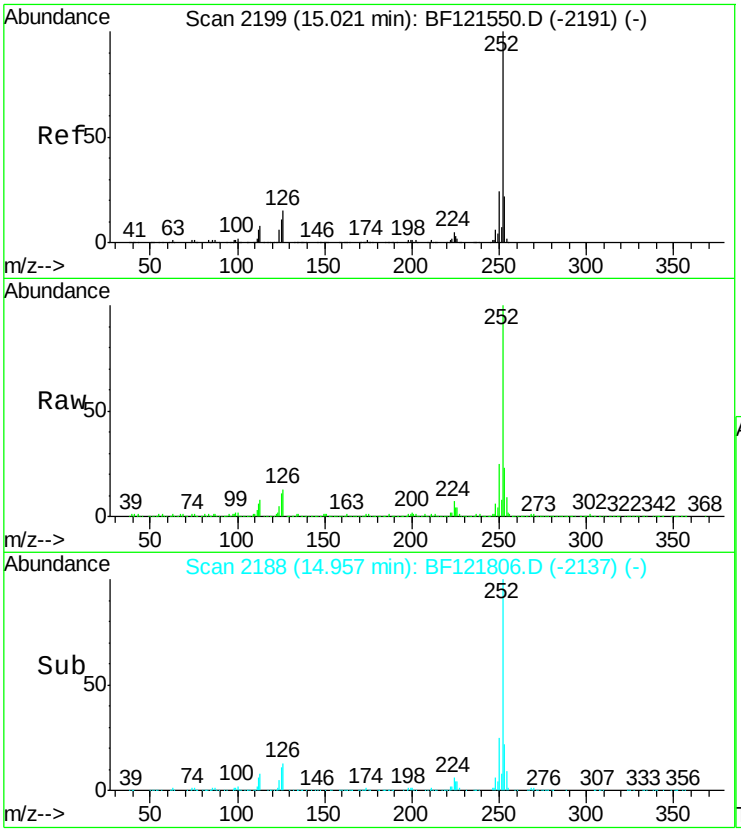


#87
Indeno(1,2,3-cd)pyrene
Concen: 20.009 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:276 Resp: 340147

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.9	29.9
277	23.9	20.4	30.6



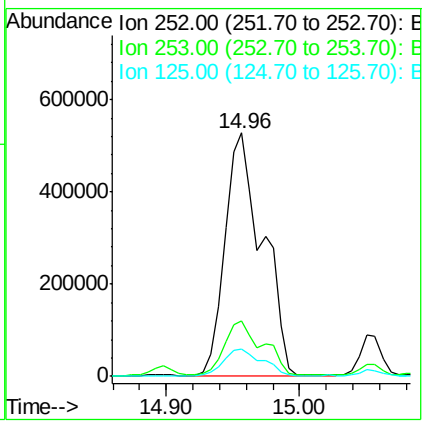


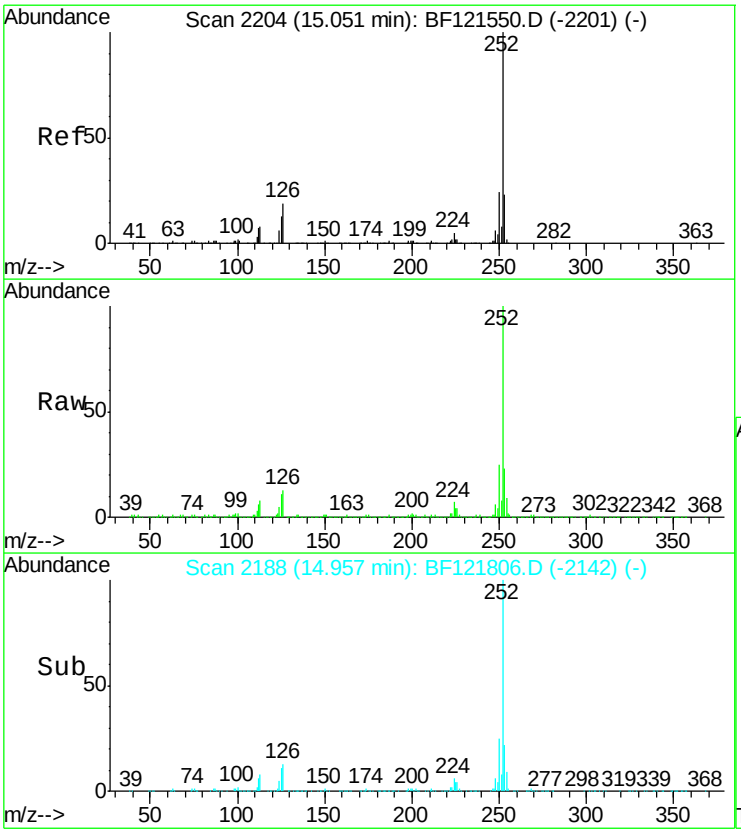
#88
Benzo(b)fluoranthene
Concen: 59.035 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:252 Resp: 1030215

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.1	8.0	12.0

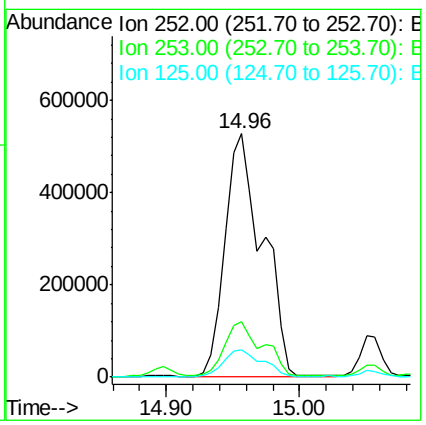


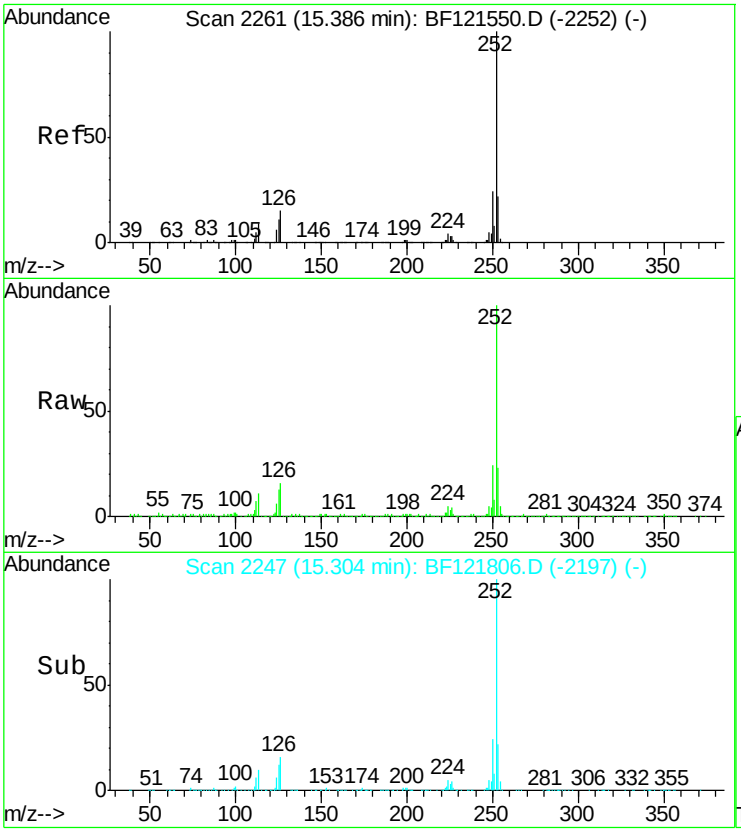


#89
Benzo(k)fluoranthene
Concen: 64.467 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:252 Resp: 1030215

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.1	7.7	11.5



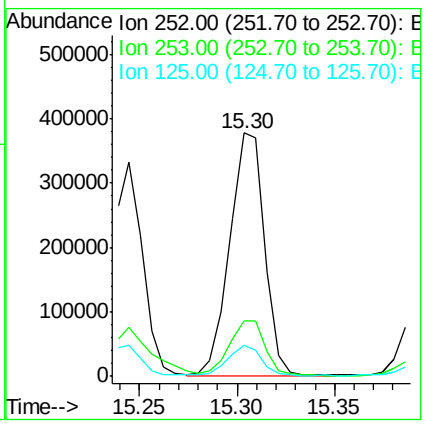


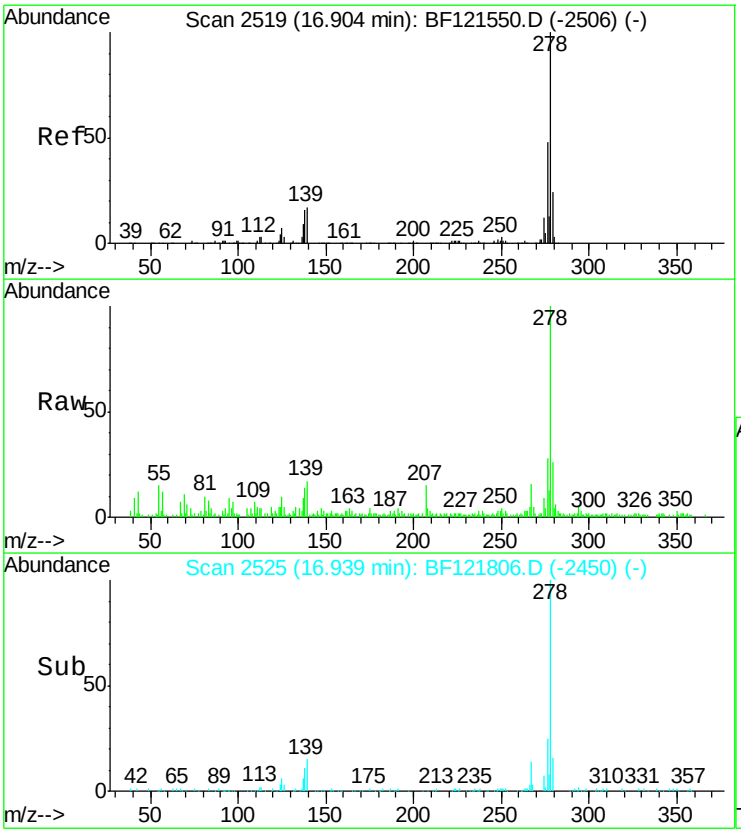
#90
Benzo(a)pyrene
Concen: 31.303 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:252 Resp: 464338

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	12.6	8.6	13.0

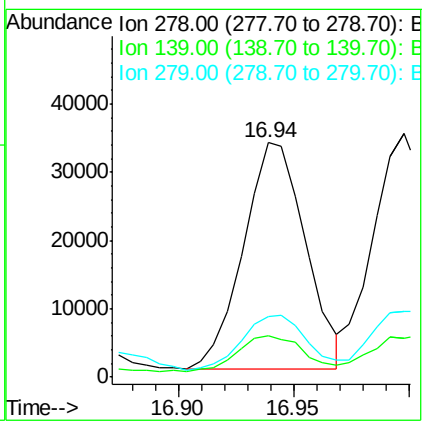


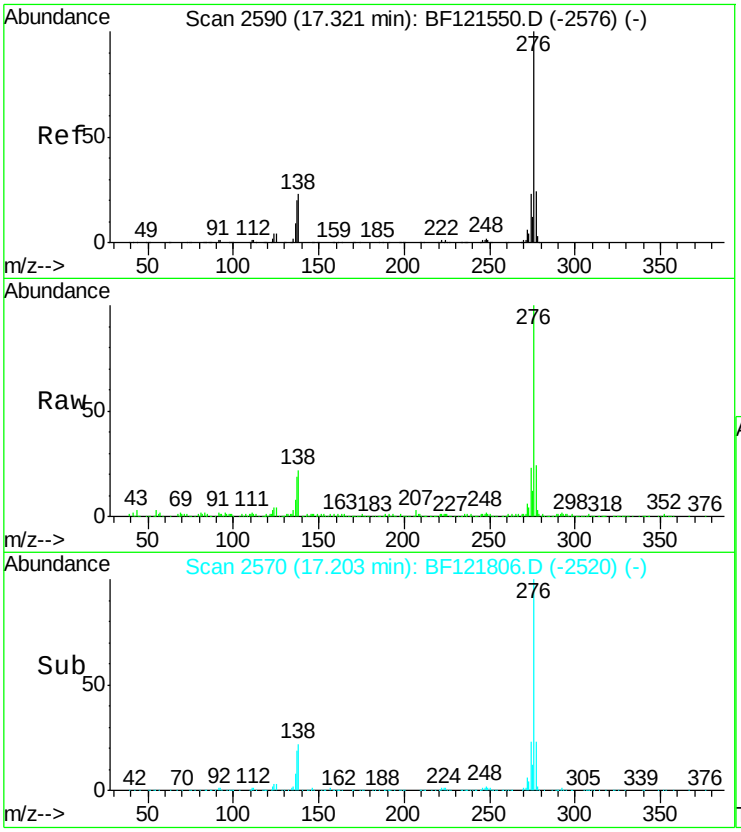


#91
Dibenzo(a,h)anthracene
Concen: 4.410 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.14 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Tgt Ion:278 Resp: 62402

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.0	19.4
279	26.0	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 21.549 ng
RT: 17.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF121806.D
Acq: 2 Oct 2020 21:23

Instrument :
BNA_F
ClientSampleId :
DUP-3

Tgt Ion:276 Resp: 299758

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	22.0	17.8	26.6