Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
Data File : BF121604.D
Acq On : 17 Sep 2020 18:54
Operator : JU/CG
Sample : L4038-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PAV-B36-091620-0-10

Quant Time: Sep 18 00:45:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	178832	20.00	ng		-0.01
21) Naphthalene-d8	8.10	136	679058	20.00	ng		-0.01
39) Acenaphthene-d10	9.86	164	332416	20.00	ng		-0.01
64) Phenanthrene-d10	11.35	188	535335	20.00	ng		0.00
76) Chrysene-d12	13.99	240	309332	20.00	ng		0.00
86) Perylene-d12	15.44	264	353395	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	1021812	84.91	ng		0.00
7) Phenol-d6	6.46	99	1295069	82.03	ng		0.00
23) Nitrobenzene-d5	7.39	82	903858	71.47	ng		-0.01
42) 2,4,6-Tribromophenol	10.65	330	341730	82.71	ng		-0.01
45) 2-Fluorobiphenyl	9.18	172	1499641	68.33	ng		-0.01
79) Terphenyl-d14	12.93	244	1113763	72.94	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	121088	13.308	ng	#	80
25) Isophorone	7.39	82	895999	35.193	ng	#	66
31) Naphthalene	8.13	128	399410	11.142	ng		98
32) Benzoic acid	7.90	122	4498	7.389	ng	#	15
33) 4-Chloroaniline	8.13	127	52078	3.352	ng	#	36
37) 2-Methylnaphthalene	8.82	142	101997	4.342	ng		98
38) 1-Methylnaphthalene	8.92	142	91404	4.181	ng		99
46) 1,1'-Biphenyl	9.28	154	70082	2.633	ng		97
50) Dimethylphthalate	9.57	163	167210	6.940	ng		99
52) Acenaphthene	9.89	154	364873	17.929	ng		100
55) Dibenzofuran	10.06	168	390984	13.642	ng		96
56) 4-Nitrophenol	10.06	139	146114	30.824	ng	#	7
58) Fluorene	10.40	166	432342	19.726	ng		100
65) 4,6-Dinitro-2-methylphenol	10.65	198	719	7.040	ng	#	1
67) 4-Bromophenyl-phenylether	10.65	248	19881	3.262	ng	#	1
71) Phenanthrene	11.37	178	2579171	88.427	ng		98
72) Anthracene	11.42	178	976474	32.442	ng		100
73) Carbazole	11.57	167	301447	11.098	ng		98
75) Fluoranthene	12.57	202	2569436	82.523	ng		96
78) Pyrene	12.79	202	2340965	103.579	ng		99
81) Benzo(a)anthracene	13.97	228	1089467	55.671	ng		98
83) Chrysene	14.01	228	957205	48.302	ng		98
87) Indeno(1,2,3-cd)pyrene	16.89	276	729392	31.693	ng		95
88) Benzo(b)fluoranthene	15.02	252	1704001	72.128	ng		99
89) Benzo(k)fluoranthene	15.02	252	1704001	78.764	ng		98
90) Benzo(a)pyrene	15.39	252	1059558	52.762	ng		97
91) Dibenzo(a,h)anthracene	16.89	278	168924	8.818	ng		94
92) Benzo(g,h,i)perylene	17.33	276	695842	36.951	ng		98

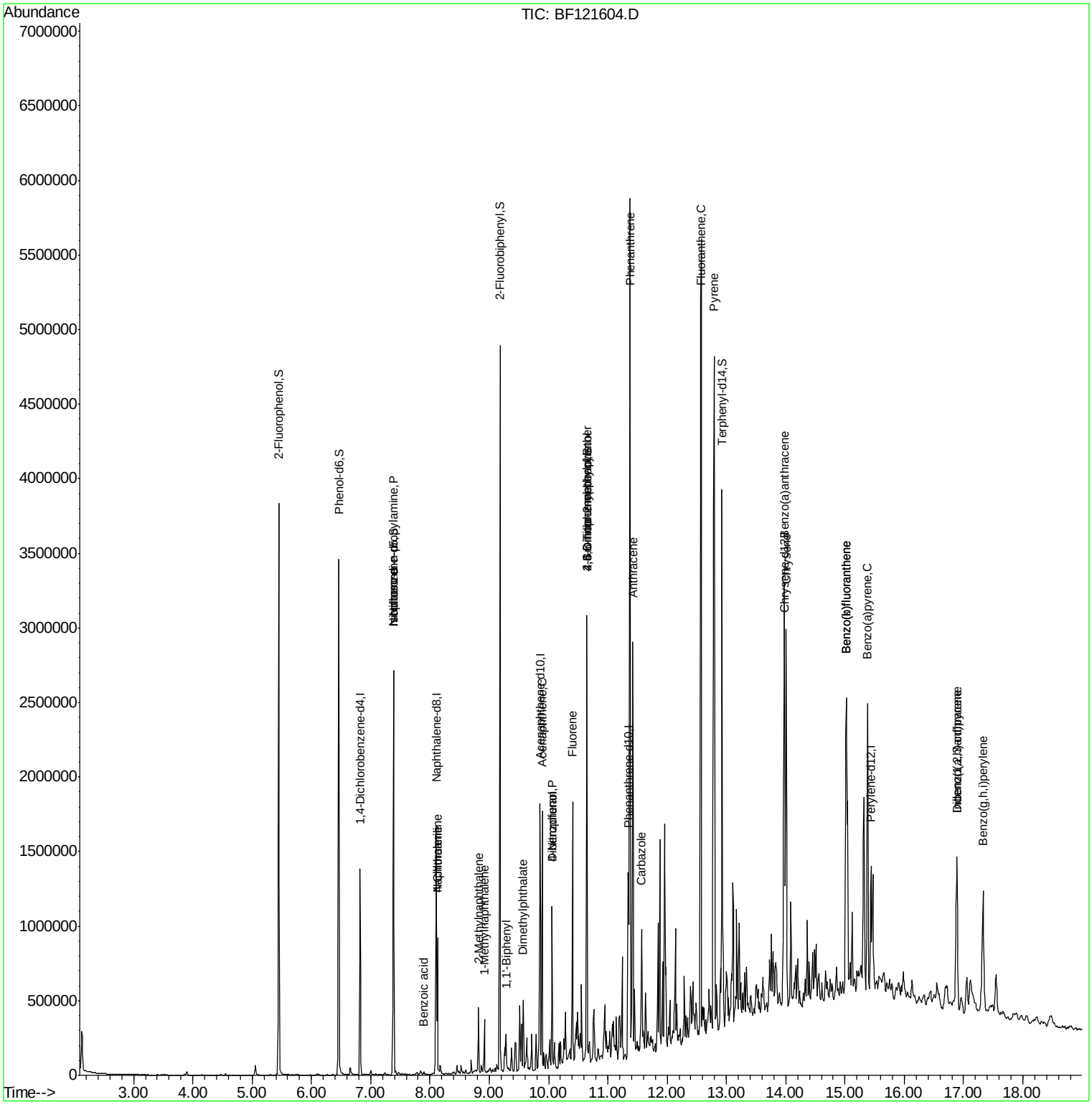
(#) = qualifier out of range (m) = manual integration (+) = signals summed

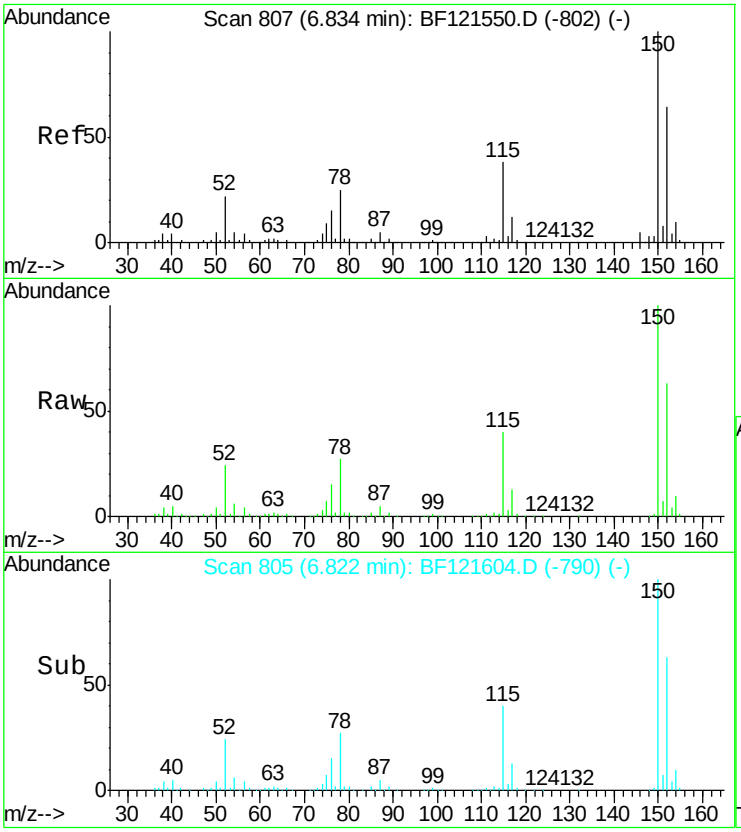
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
Data File : BF121604.D
Acq On : 17 Sep 2020 18:54
Operator : JU/CG
Sample : L4038-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Quant Time: Sep 18 00:45:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration



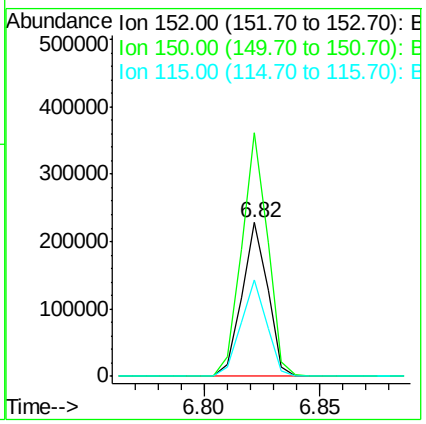


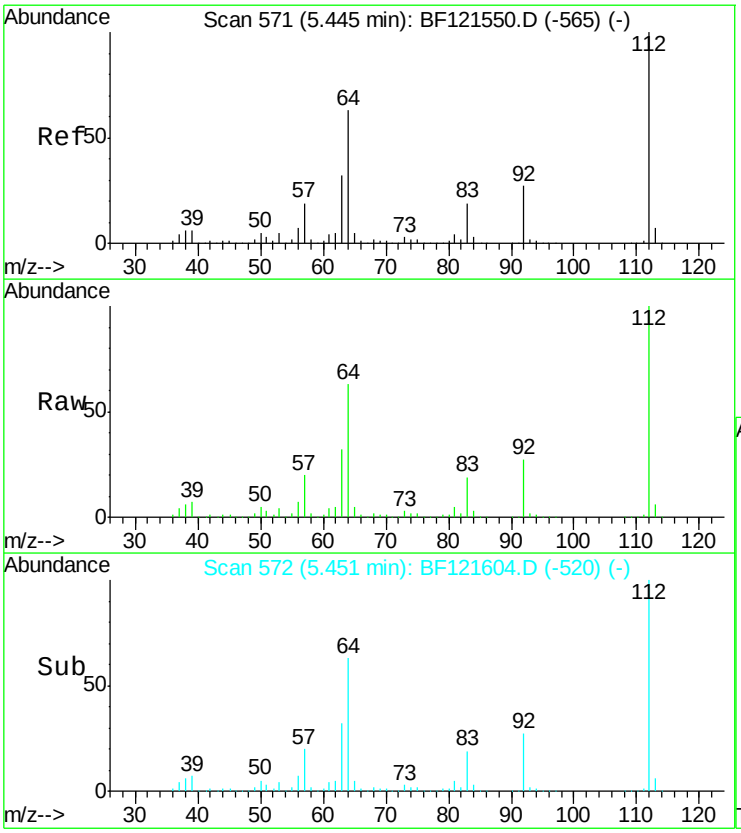
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:152 Resp: 178832

Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.8	188.6
115	63.0	47.8	71.8

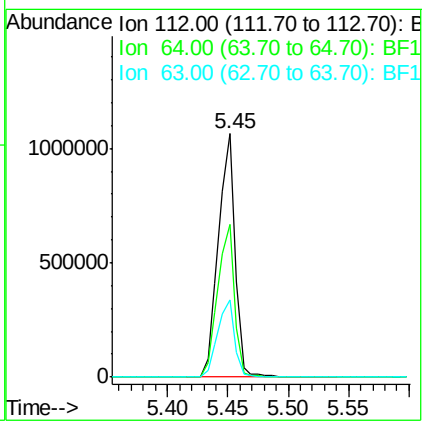


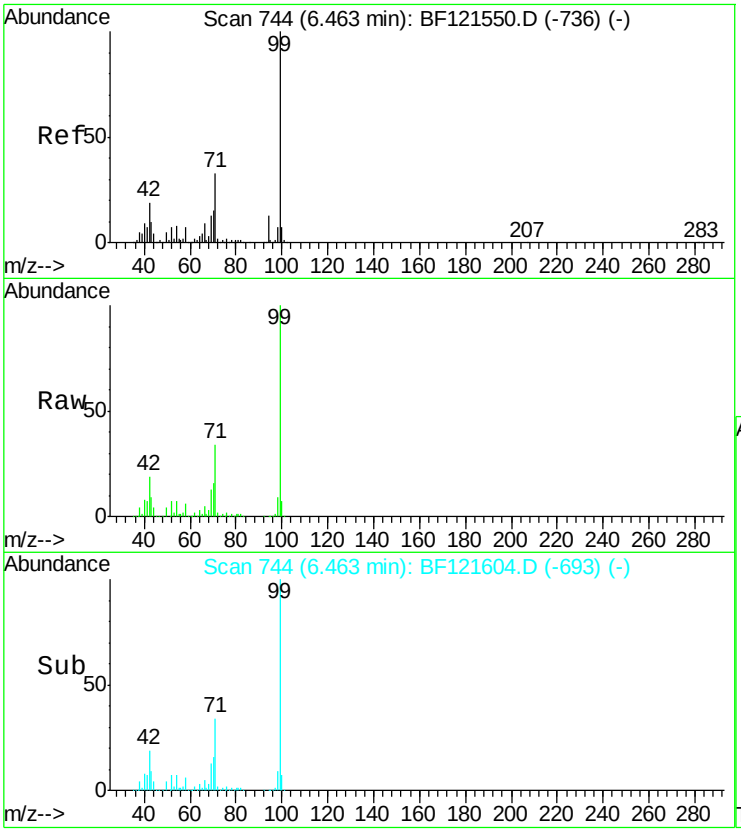


#5
2-Fluorophenol
Concen: 84.914 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:112 Resp: 1021812

Ion	Ratio	Lower	Upper
112	100		
64	62.5	50.3	75.5
63	31.8	25.6	38.4



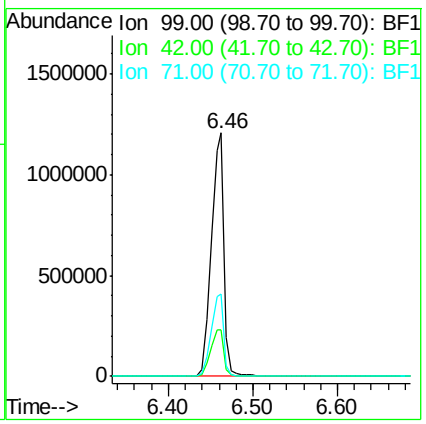


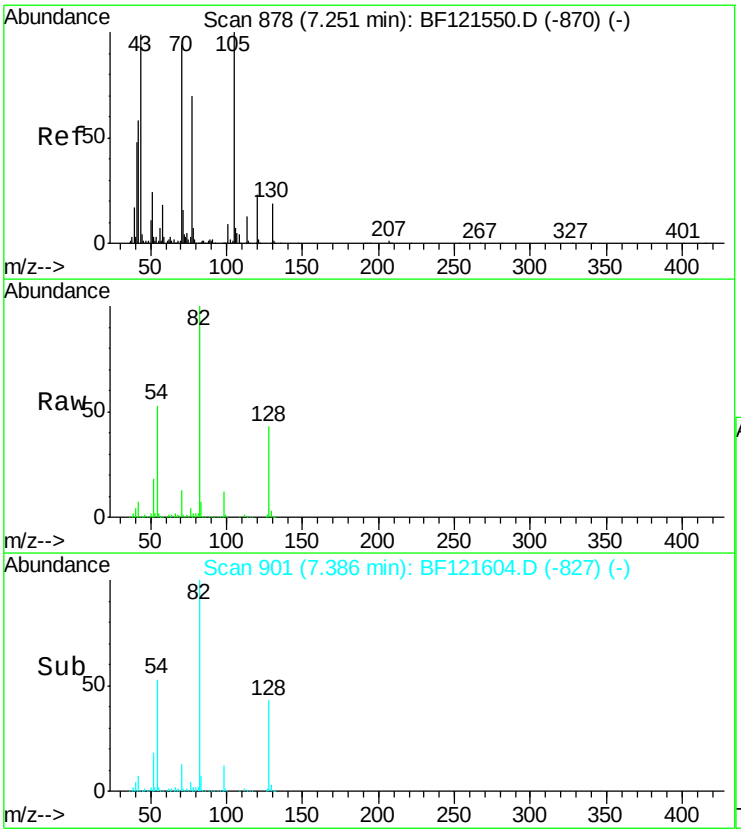
#7
Phenol-d6
Concen: 82.033 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion: 99 Resp: 1295069

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.5	23.3
71	33.7	26.1	39.1

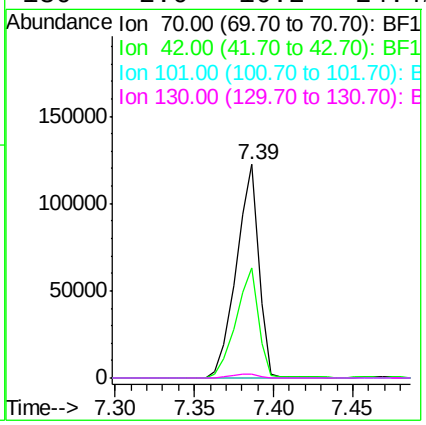


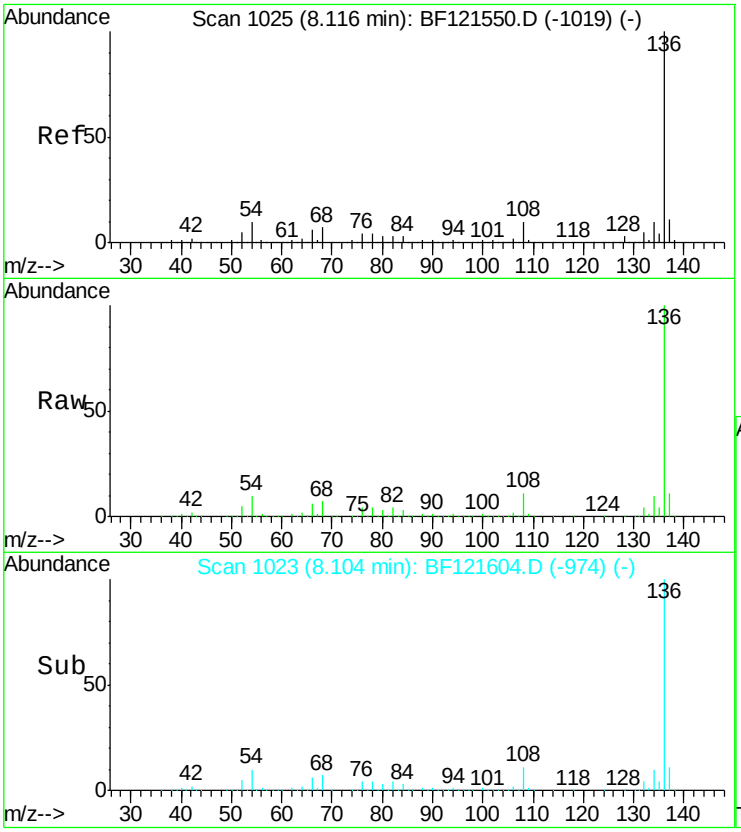


#19
n-Nitroso-di-n-propylamine
Concen: 13.308 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion: 70 Resp: 121088

Ion	Ratio	Lower	Upper
70	100		
42	51.7	49.4	74.2
101	0.0	7.6	11.4#
130	2.0	16.2	24.4#



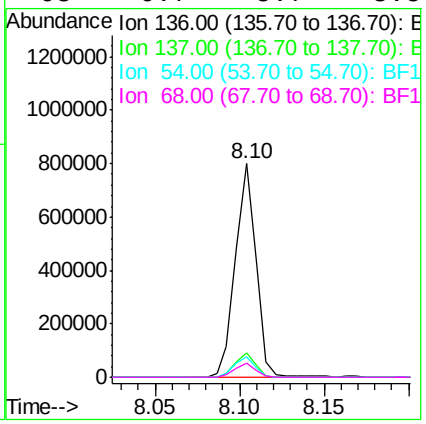


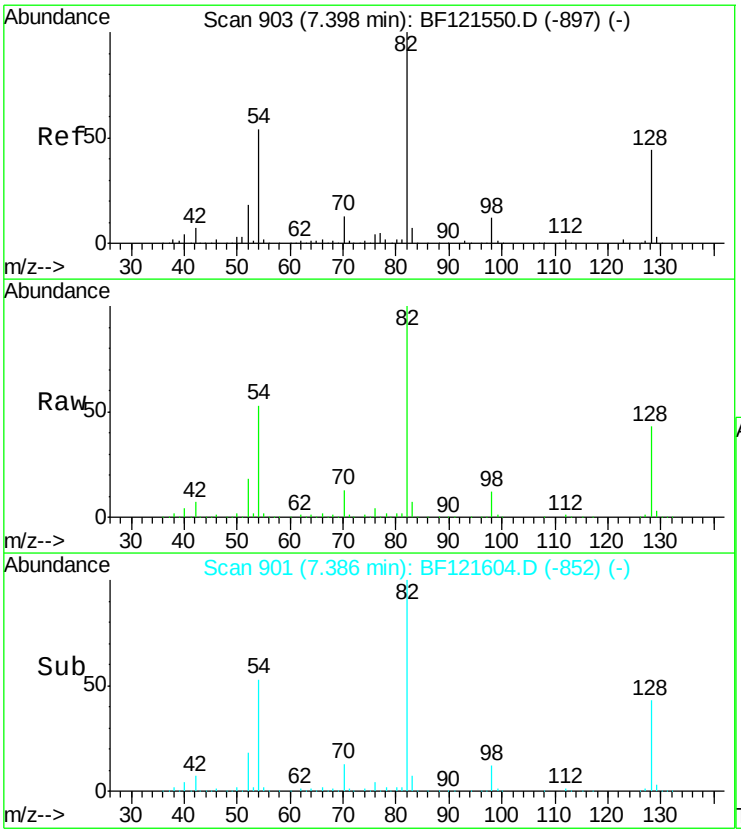
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:136 Resp: 679058

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	9.5	7.6	11.4
68	6.7	5.7	8.5

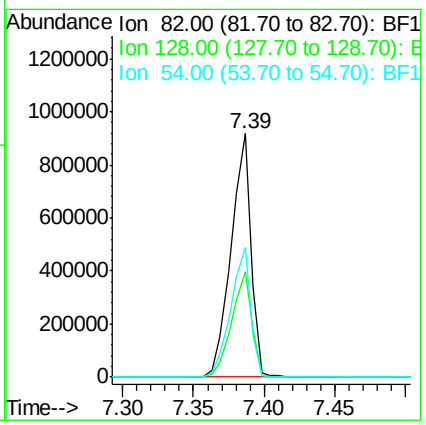


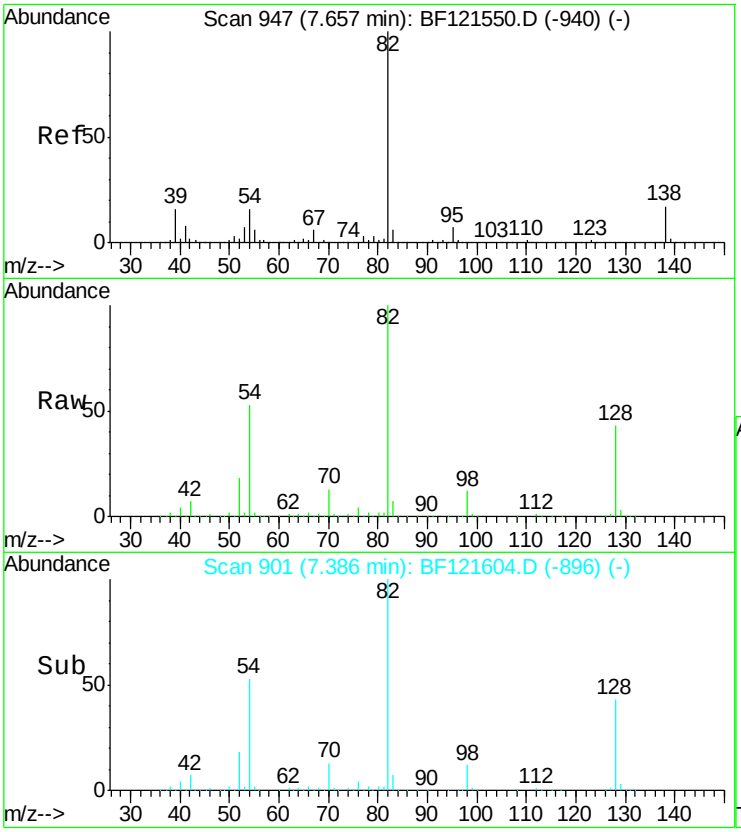


#23
Nitrobenzene-d5
Concen: 71.466 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion: 82 Resp: 903858

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.1	52.7
54	53.4	43.0	64.6



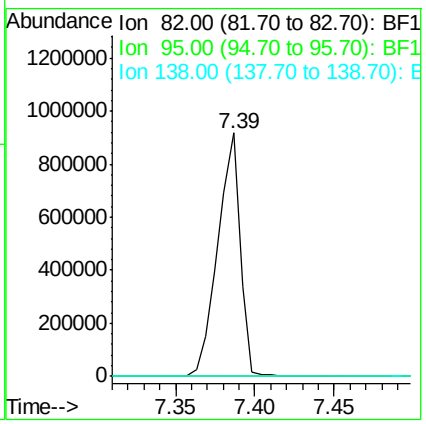


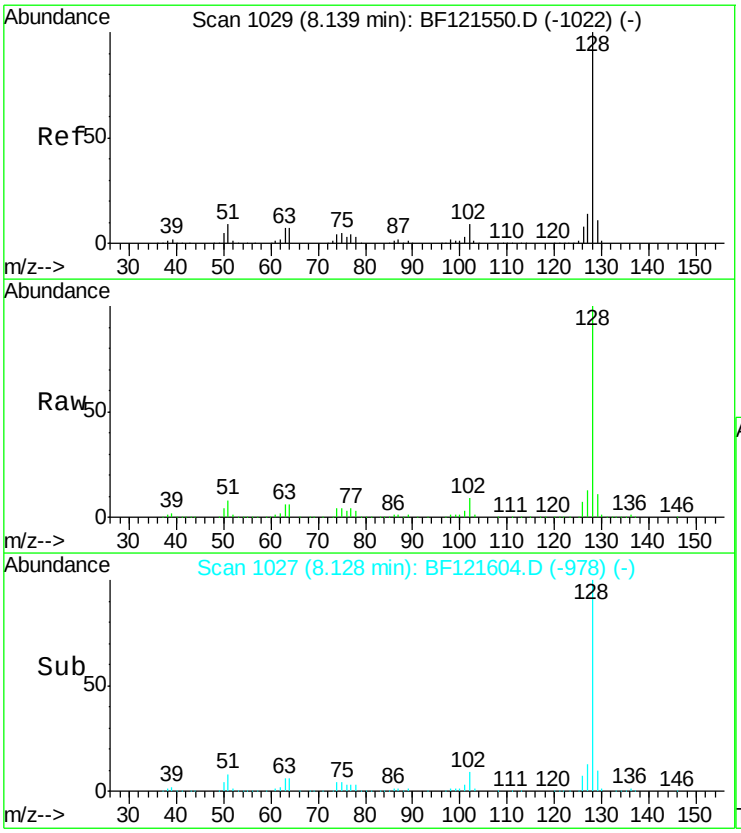
#25
Isophorone
Concen: 35.193 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion: 82 Resp: 895999

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.7	20.5#

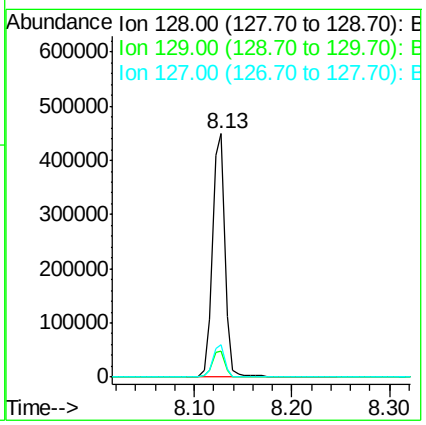


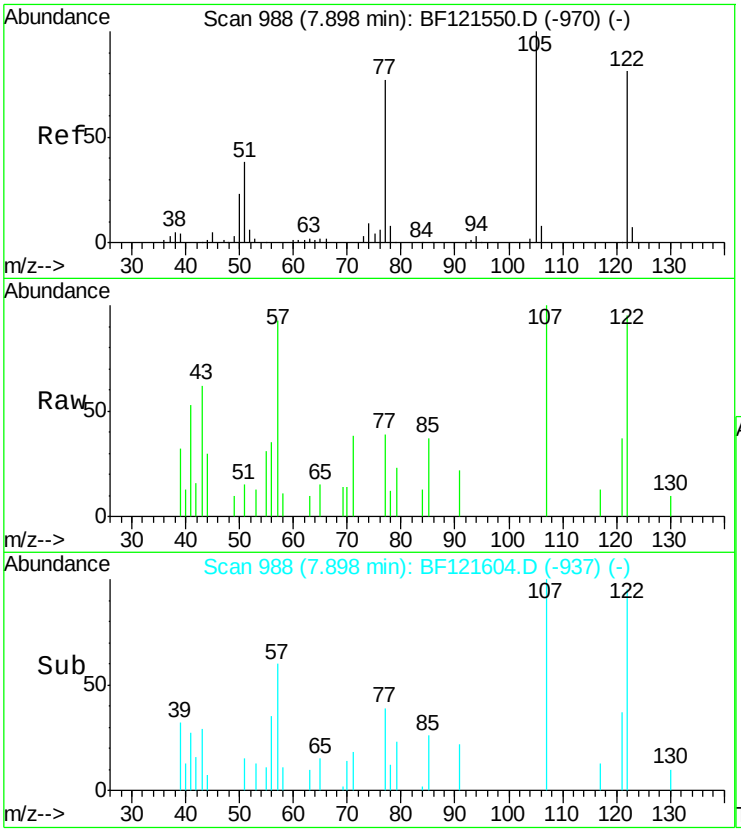


#31
Naphthalene
Concen: 11.142 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:128 Resp: 399410

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	13.1	11.0	16.6



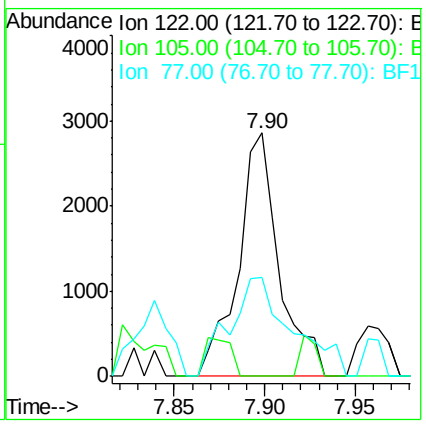


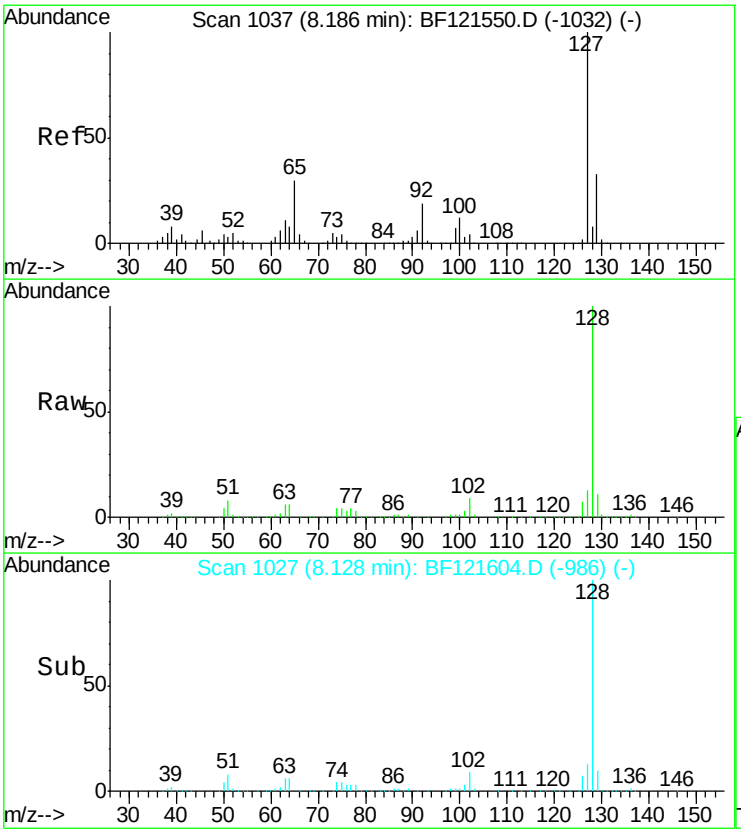
#32
Benzoic acid
Concen: 7.389 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:122 Resp: 4498

Ion	Ratio	Lower	Upper
122	100		
105	0.0	100.5	140.5#
77	40.5	72.6	112.6#

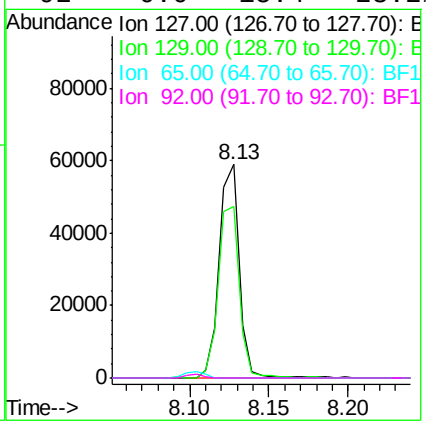


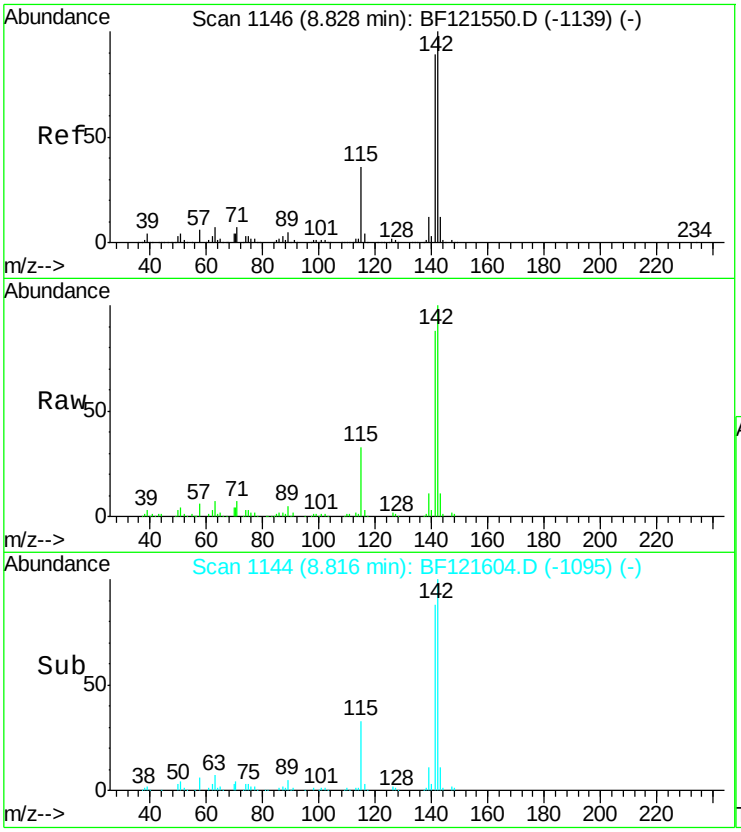


#33
4-Chloroaniline
Concen: 3.352 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.06 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:127 Resp: 52078

Ion	Ratio	Lower	Upper
127	100		
129	80.2	26.4	39.6#
65	0.0	24.4	36.6#
92	0.0	15.4	23.2#



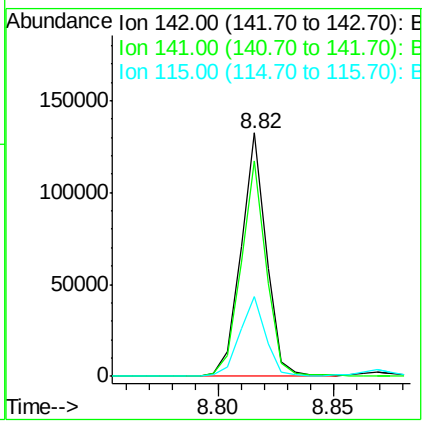


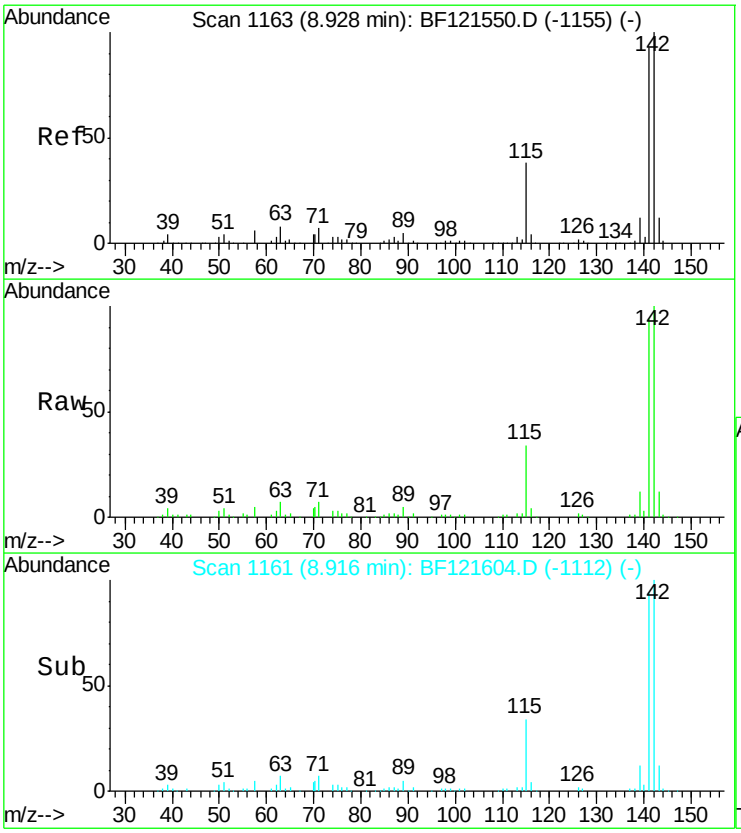
#37
2-Methylnaphthalene
Concen: 4.342 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:142 Resp: 101997

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.5	107.3
115	32.7	28.7	43.1

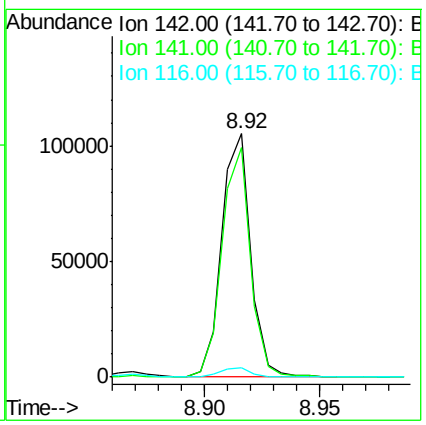


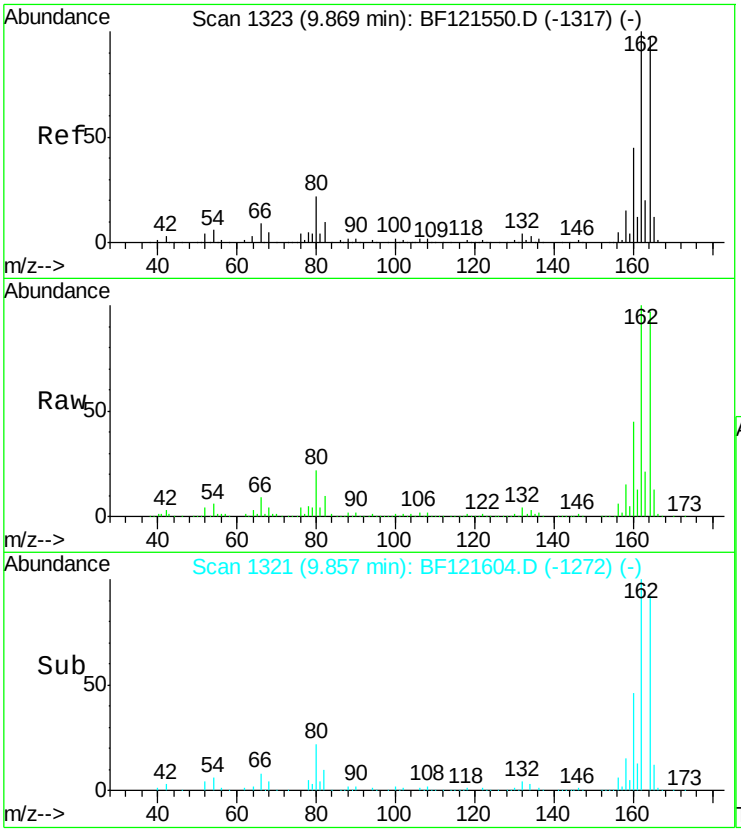


#38
1-Methylnaphthalene
Concen: 4.181 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:142 Resp: 91404

Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.8	112.2
116	3.7	3.0	4.6



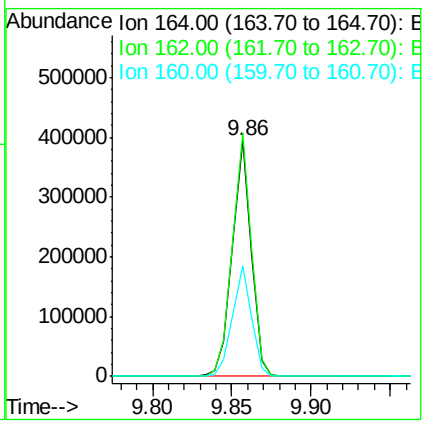


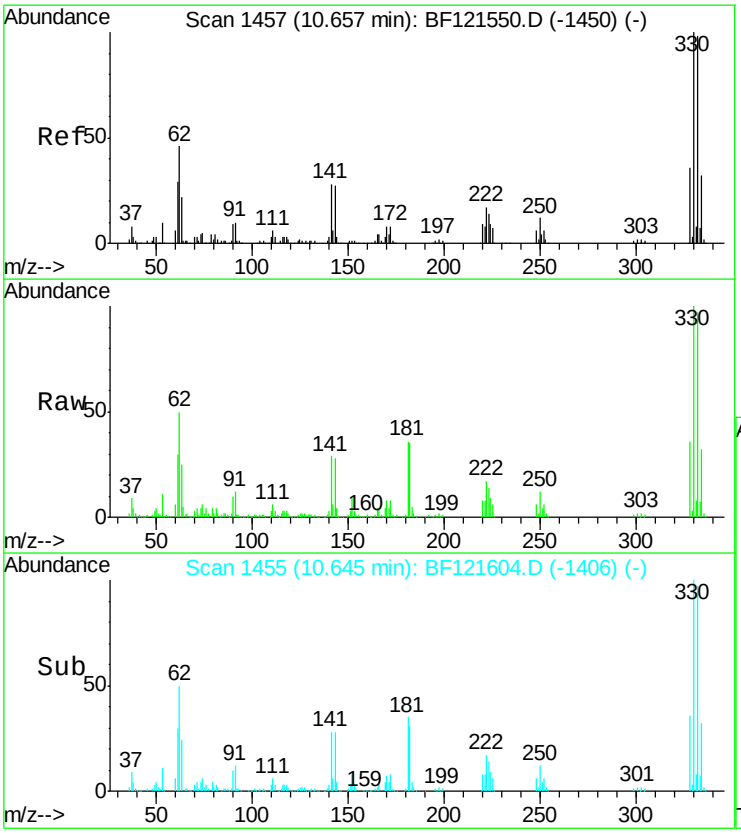
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:164 Resp: 332416

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.3	123.5
160	46.9	37.0	55.4

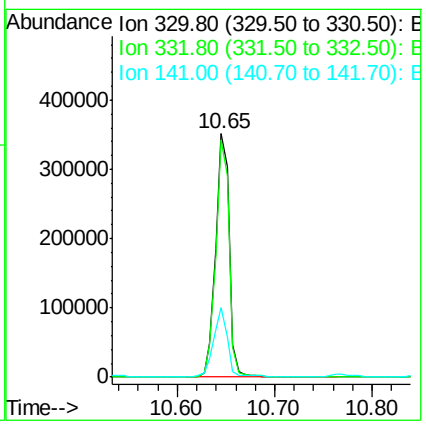


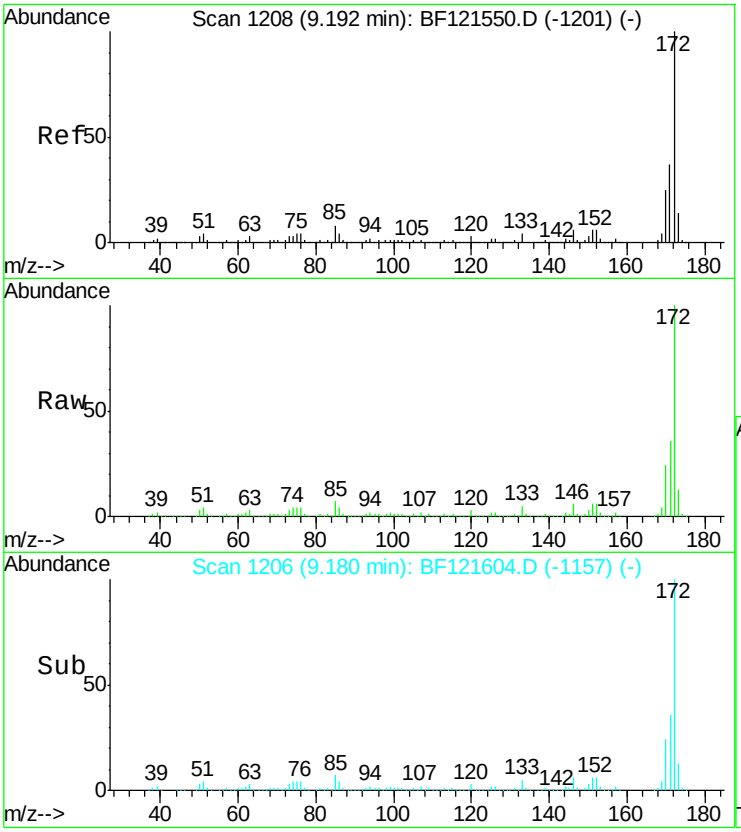


#42
2,4,6-Tribromophenol
Concen: 82.714 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:330 Resp: 341730

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	28.1	23.6	35.4



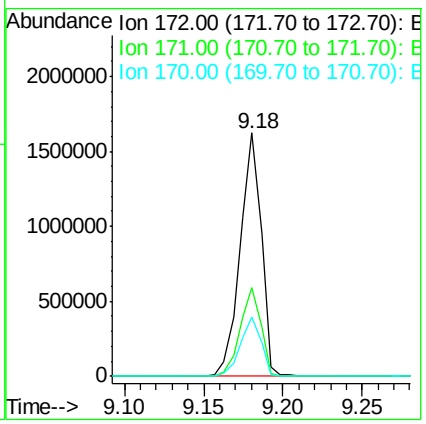


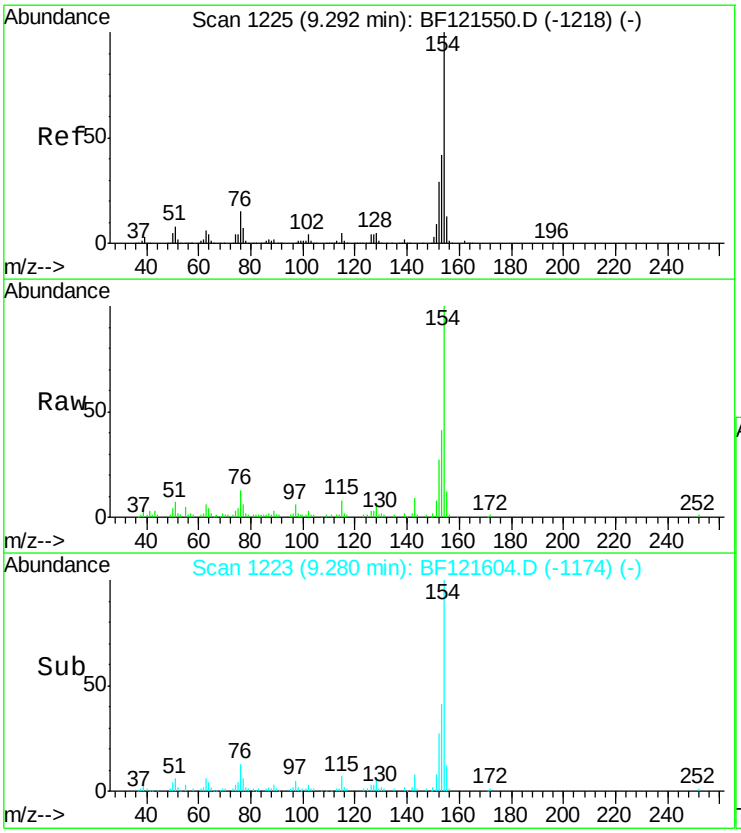
#45
2-Fluorobiphenyl
Concen: 68.326 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:172 Resp: 1499641

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.6
170	24.5	19.8	29.8

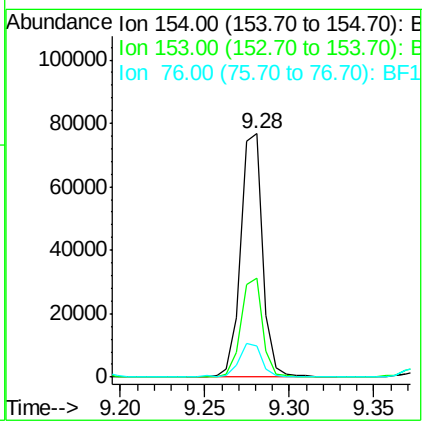


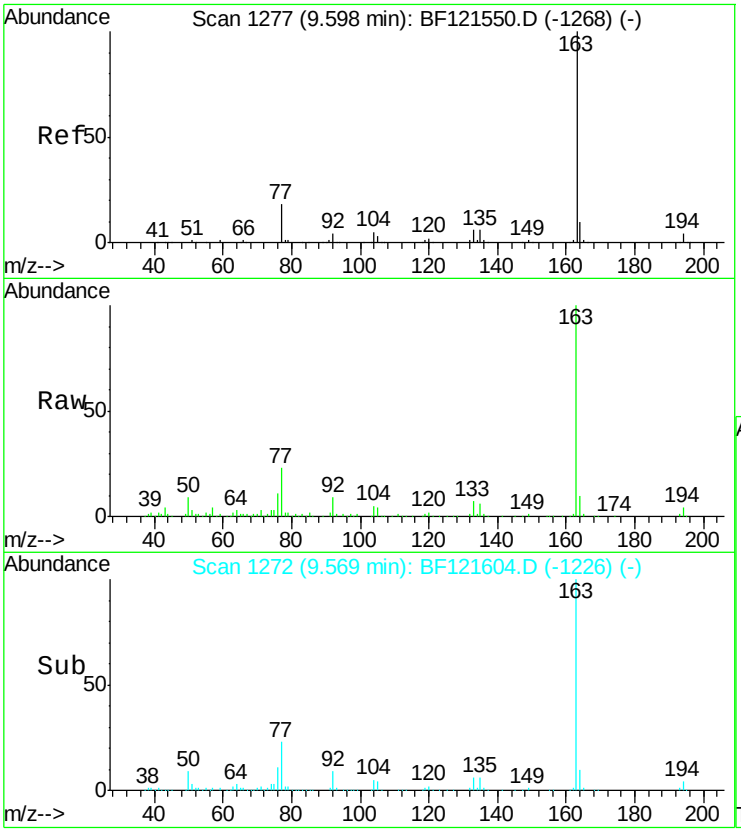


#46
1,1'-Biphenyl
Concen: 2.633 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:154 Resp: 70082

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.7	61.7
76	12.8	0.0	35.5



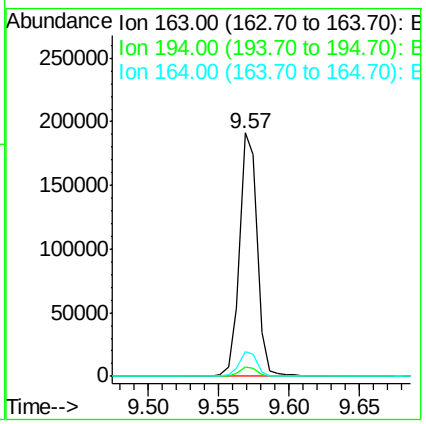


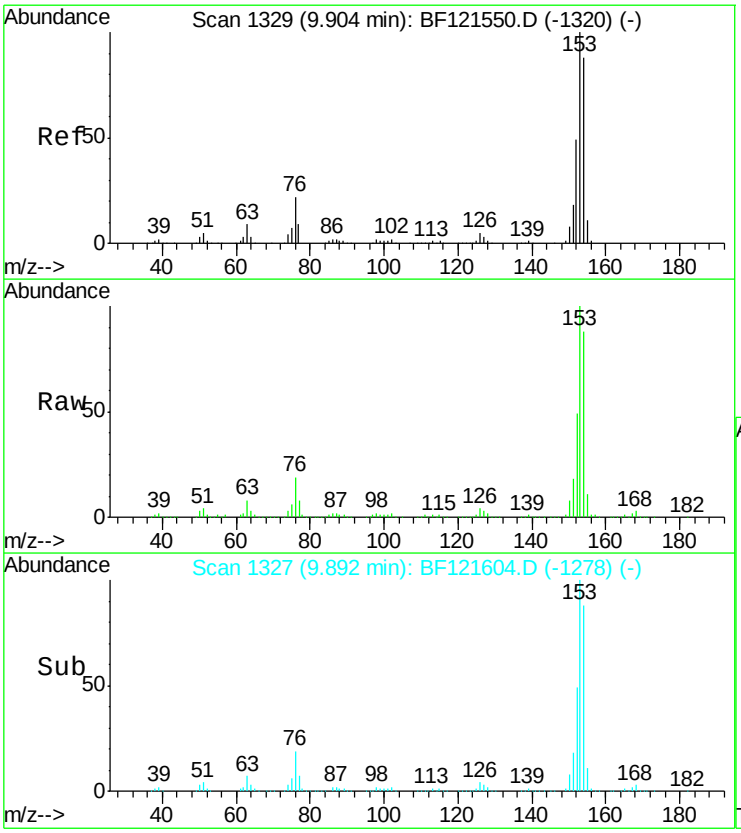
#50
Dimethylphthalate
Concen: 6.940 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.03 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:163 Resp: 167210

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.1	7.9	11.9

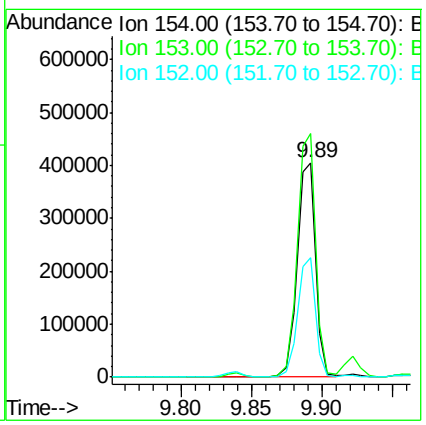


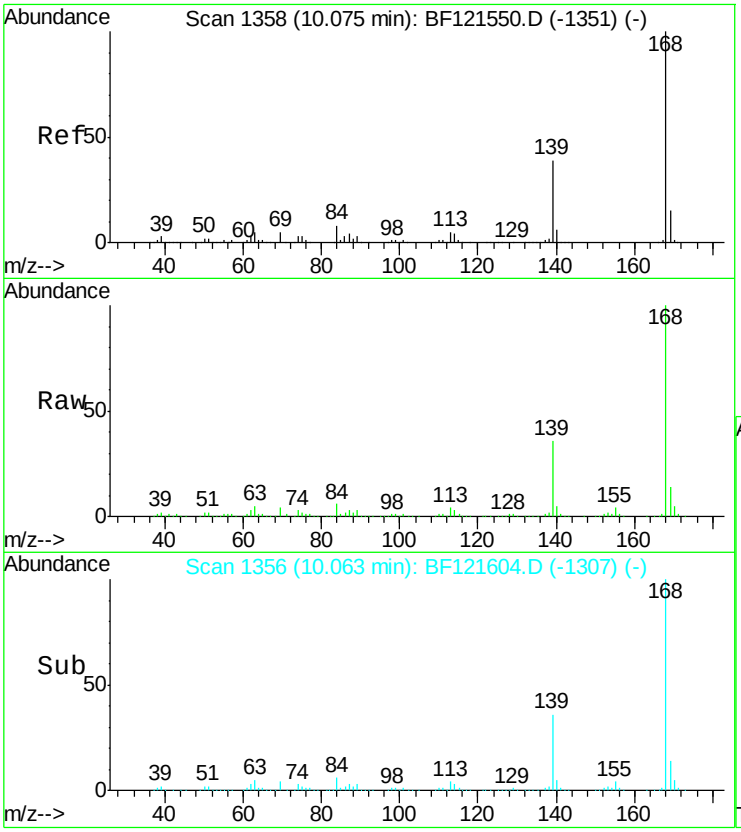


#52
Acenaphthene
Concen: 17.929 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:154 Resp: 364873

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.0	136.4
152	55.6	44.2	66.2



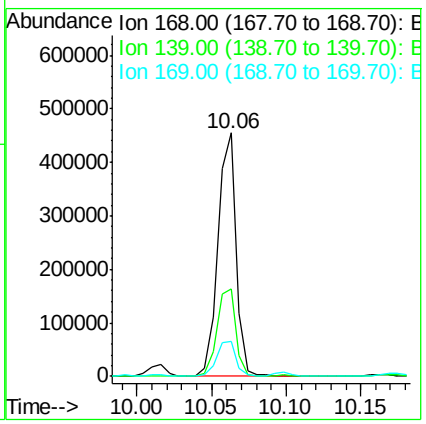


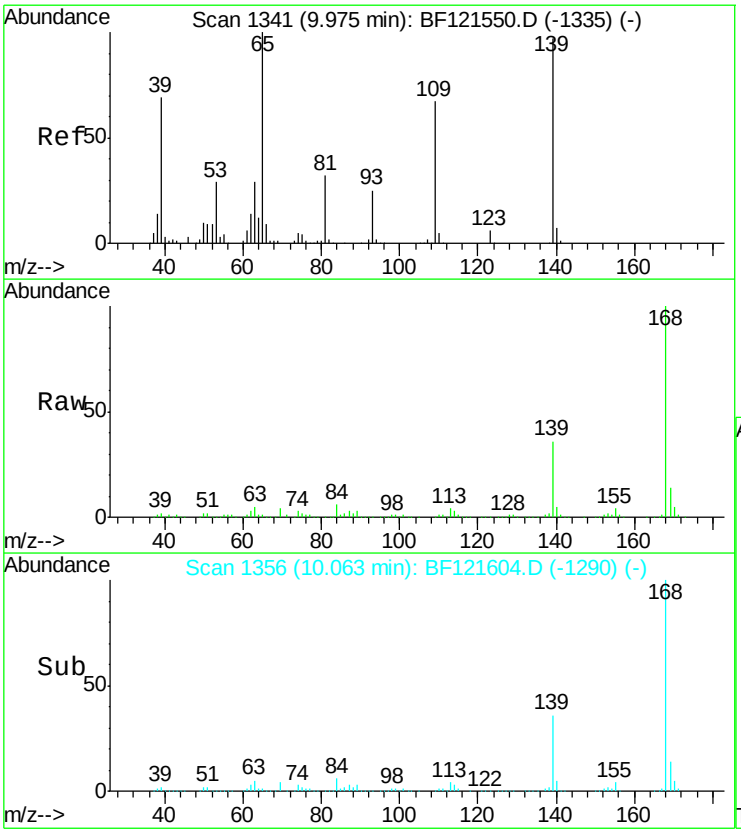
#55
Dibenzofuran
Concen: 13.642 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:168 Resp: 390984

Ion	Ratio	Lower	Upper
168	100		
139	36.1	31.4	47.0
169	14.2	11.9	17.9

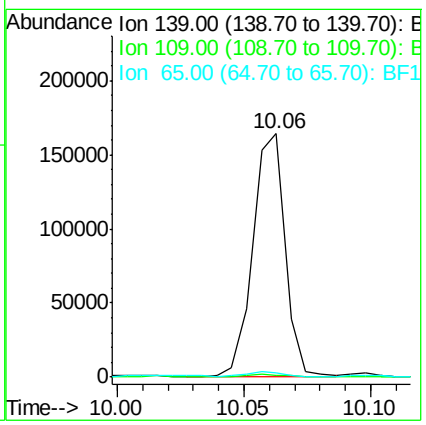


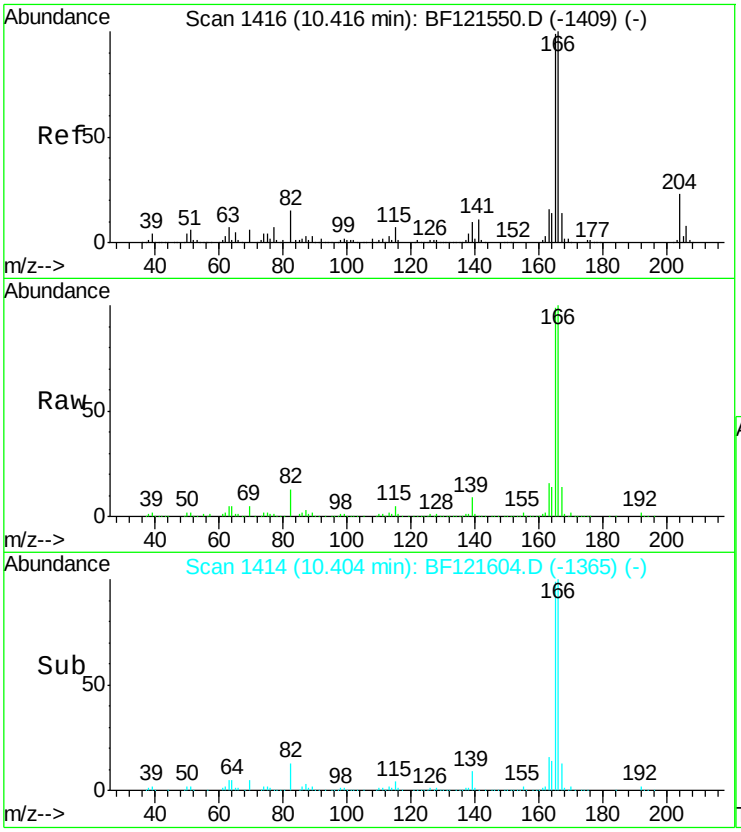


#56
4-Nitrophenol
Concen: 30.824 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.09 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:139 Resp: 146114

Ion	Ratio	Lower	Upper
139	100		
109	0.9	48.8	88.8#
65	1.8	83.6	123.6#



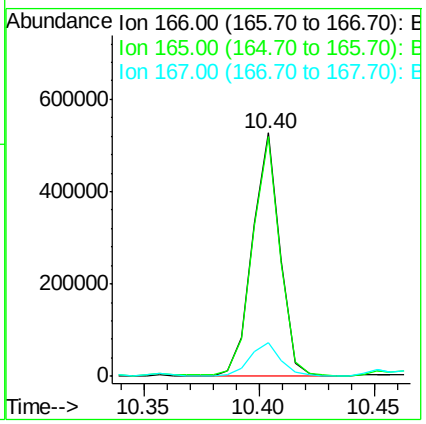


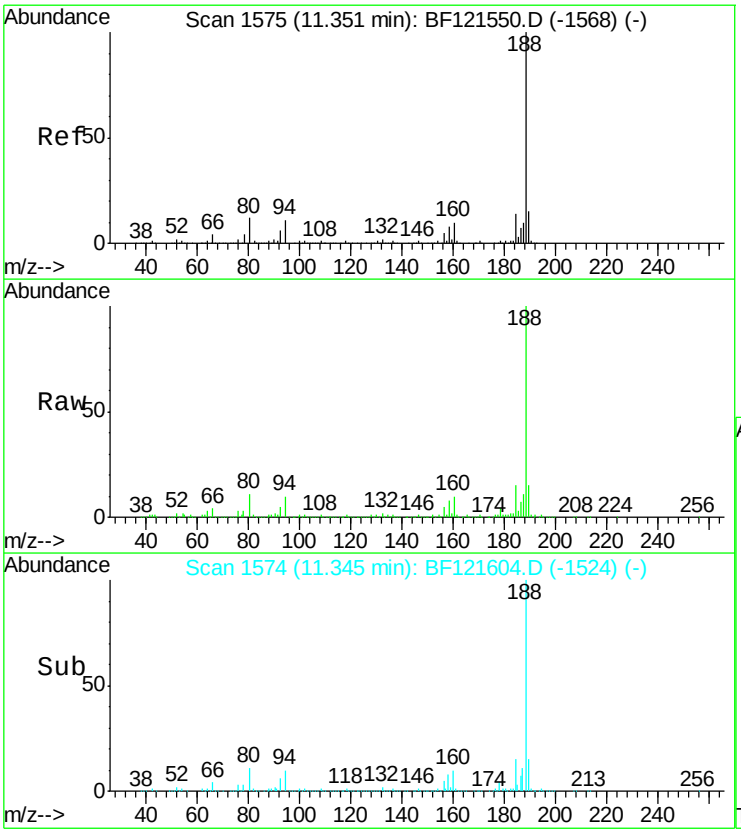
#58
Fluorene
Concen: 19.726 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:166 Resp: 432342

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.6	11.0	16.6

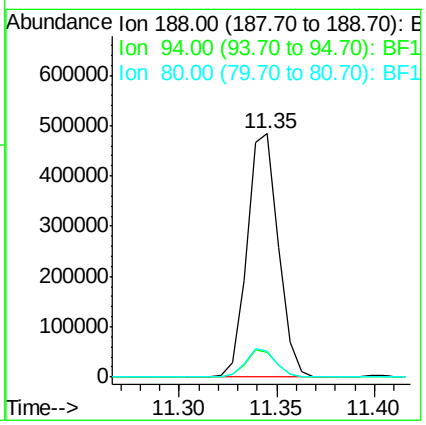


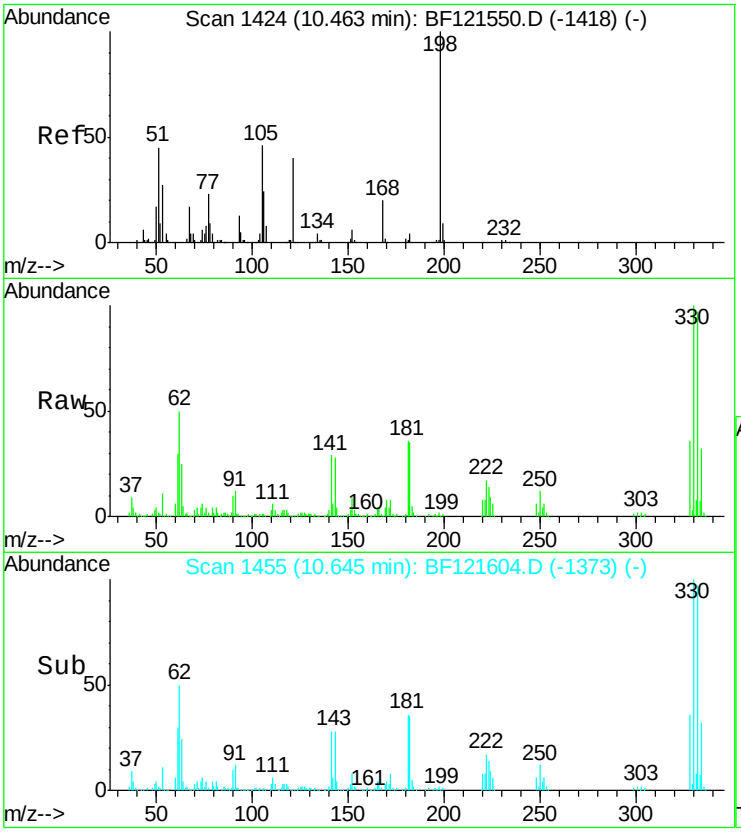


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:188 Resp: 535335

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.7	13.1
80	10.7	9.3	13.9



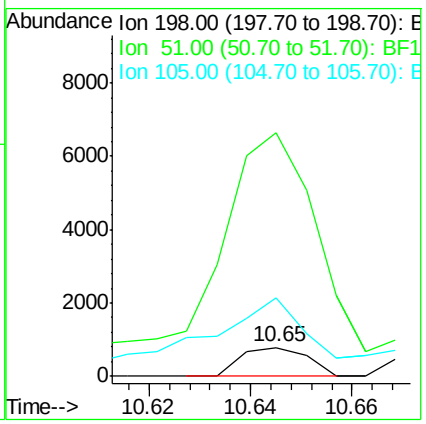


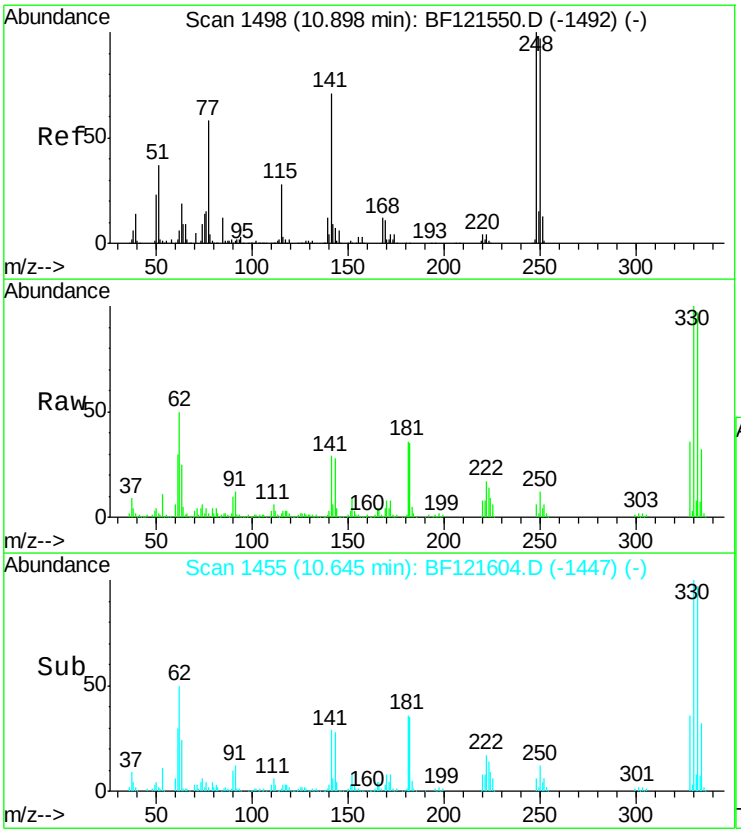
#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.18 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:198 Resp: 719

Ion	Ratio	Lower	Upper
198	100		
51	835.2	31.1	71.1#
105	269.7	26.6	66.6#

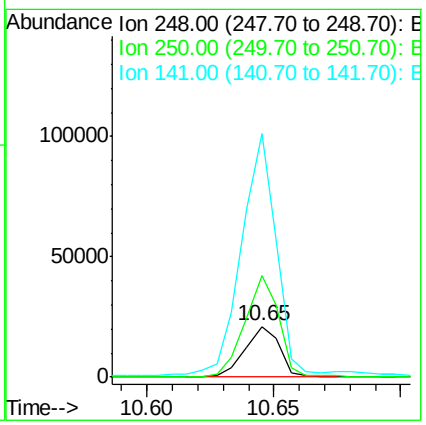


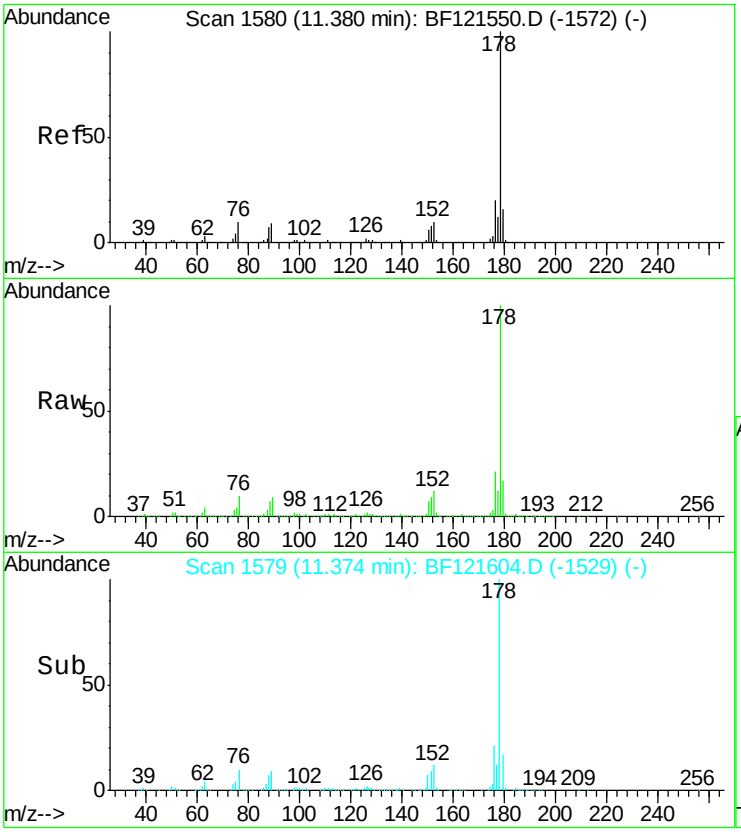


#67
4-Bromophenyl-phenylether
Concen: 3.262 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.25 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:248 Resp: 19881

Ion	Ratio	Lower	Upper
248	100		
250	201.1	77.4	116.0#
141	481.3	56.7	85.1#



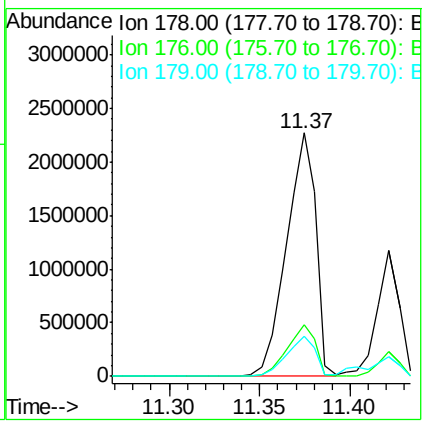


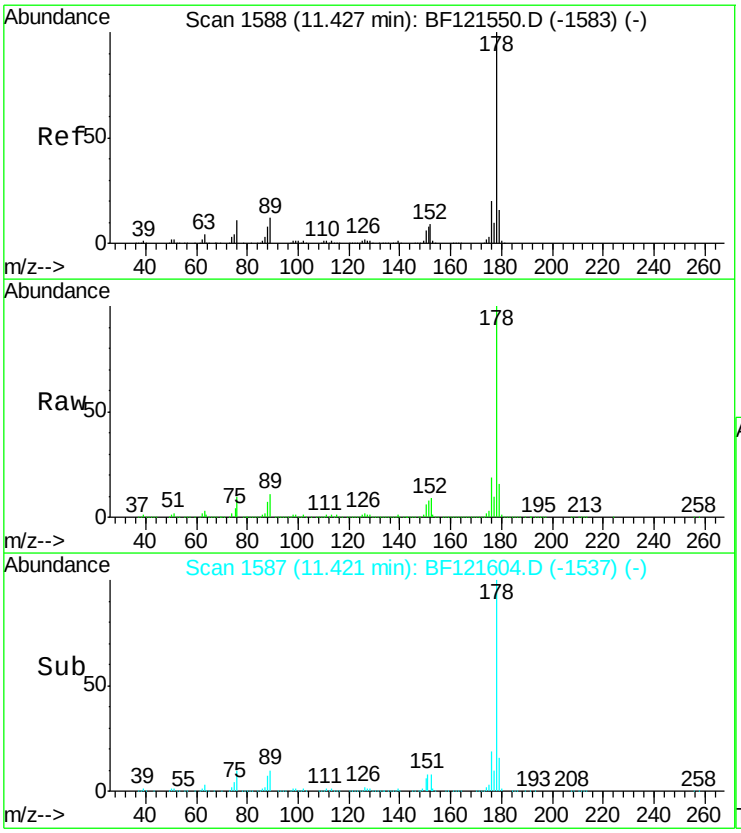
#71
Phenanthrene
Concen: 88.427 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:178 Resp: 2579171

Ion	Ratio	Lower	Upper
178	100		
176	21.2	16.2	24.4
179	16.6	12.6	19.0

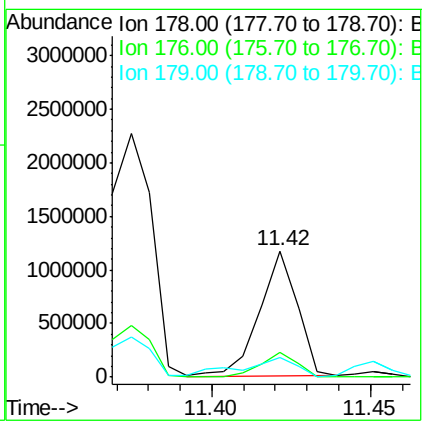


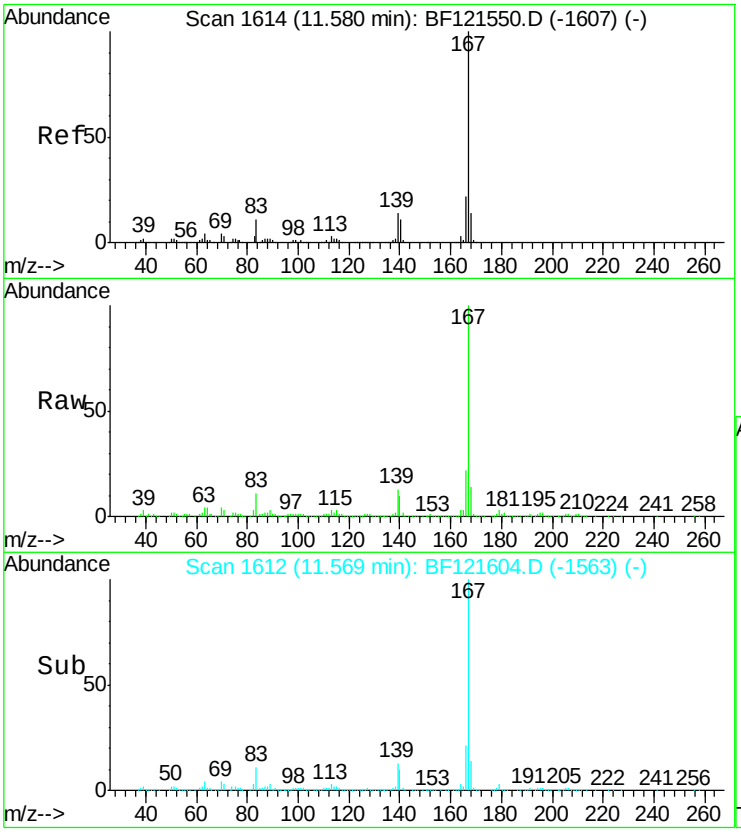


#72
Anthracene
Concen: 32.442 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:178 Resp: 976474

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.9	12.8	19.2



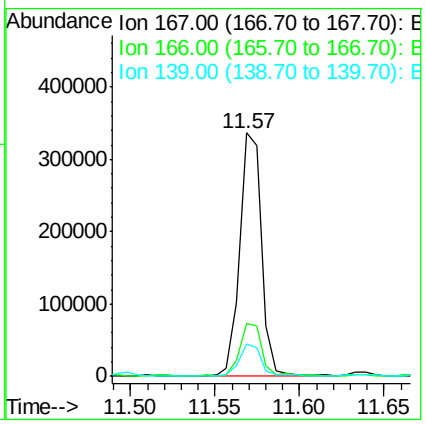


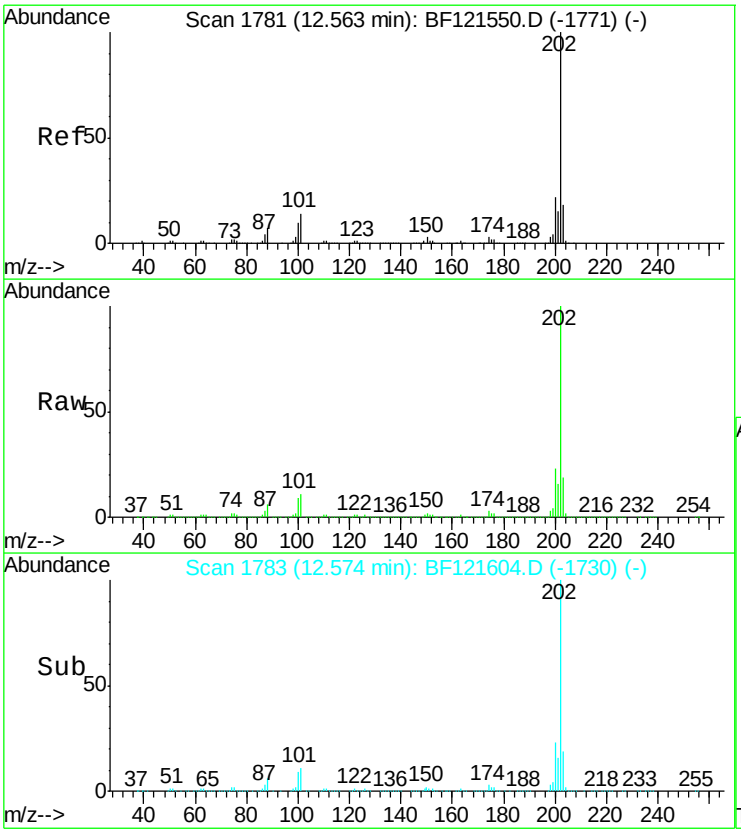
#73
Carbazole
Concen: 11.098 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:167 Resp: 301447

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	13.5	11.2	16.8

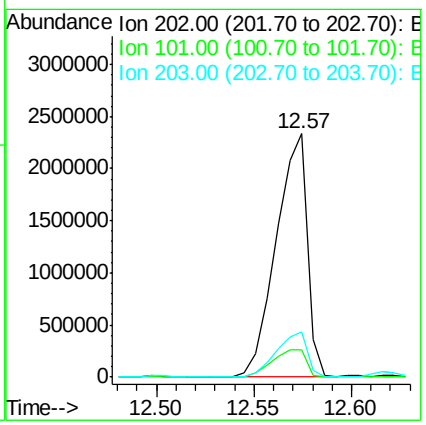


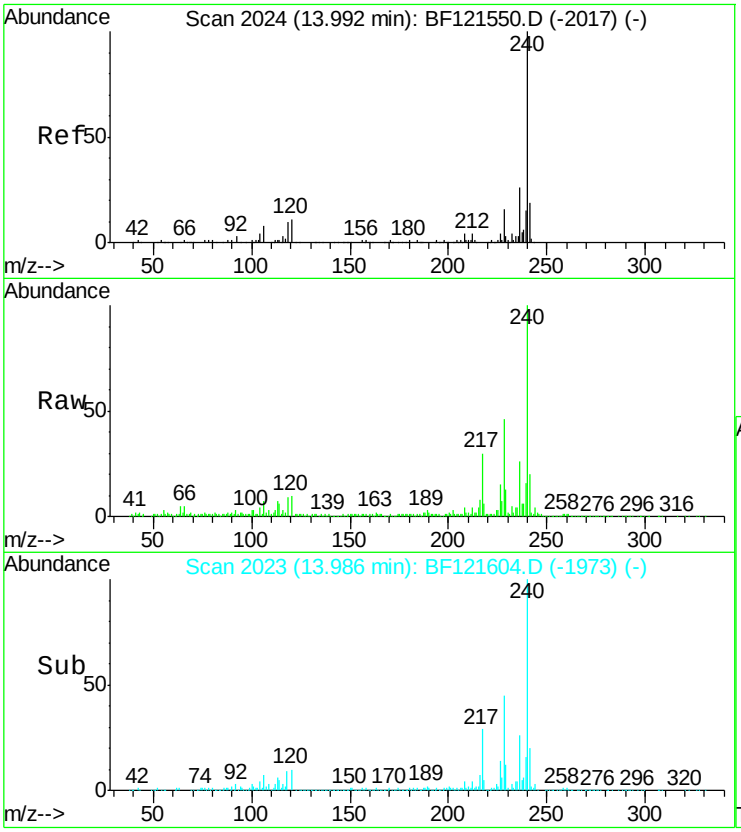


#75
Fluoranthene
Concen: 82.523 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:202 Resp: 2569436

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.0
203	18.6	0.0	38.2



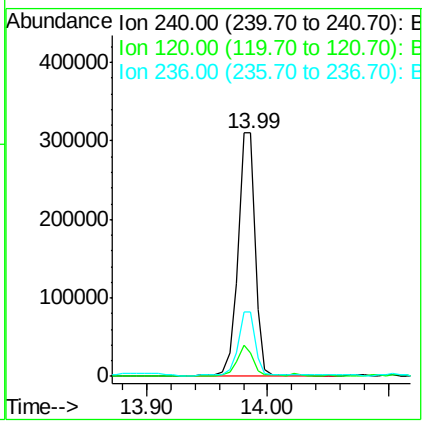


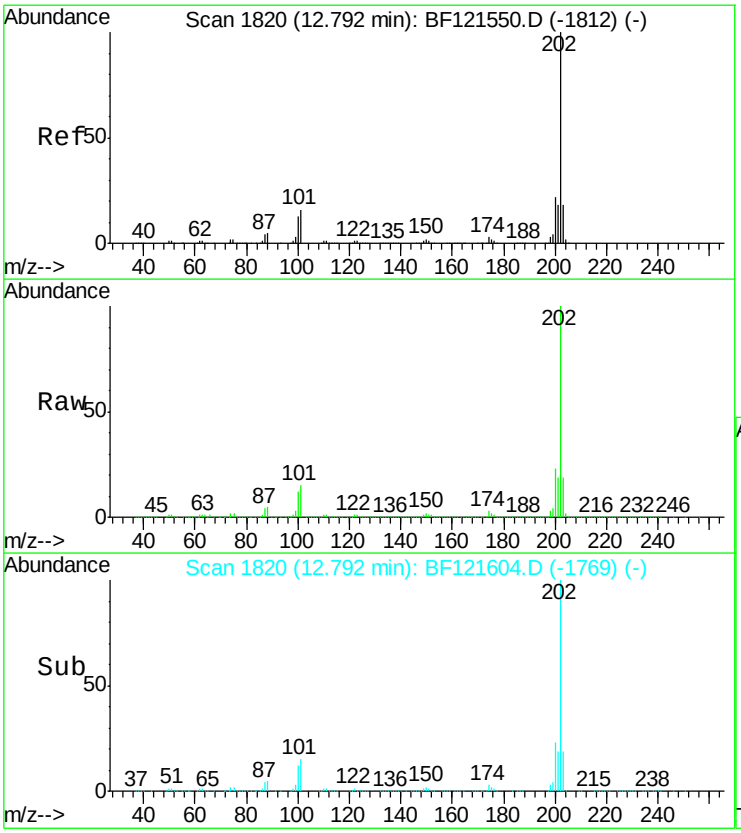
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:240 Resp: 309332

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.2	13.8
236	26.3	20.5	30.7

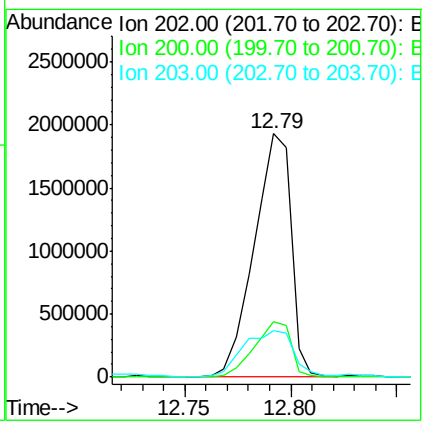


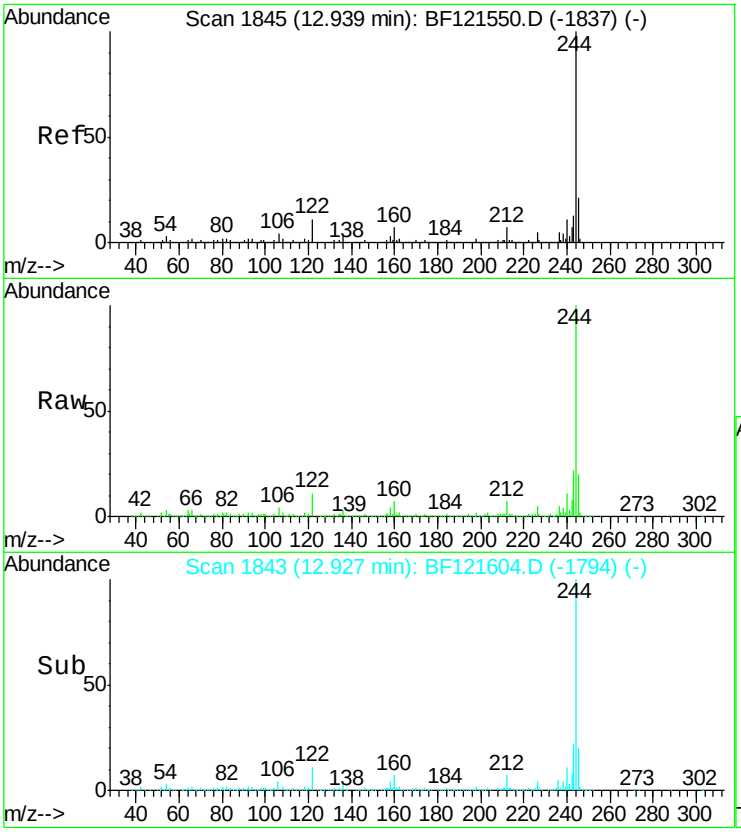


#78
Pyrene
Concen: 103.579 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:202 Resp: 2340965

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.8	26.8
203	19.0	14.6	22.0



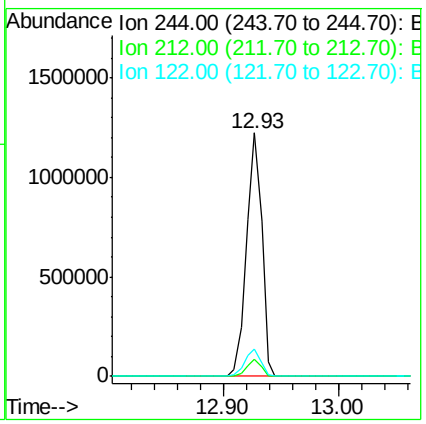


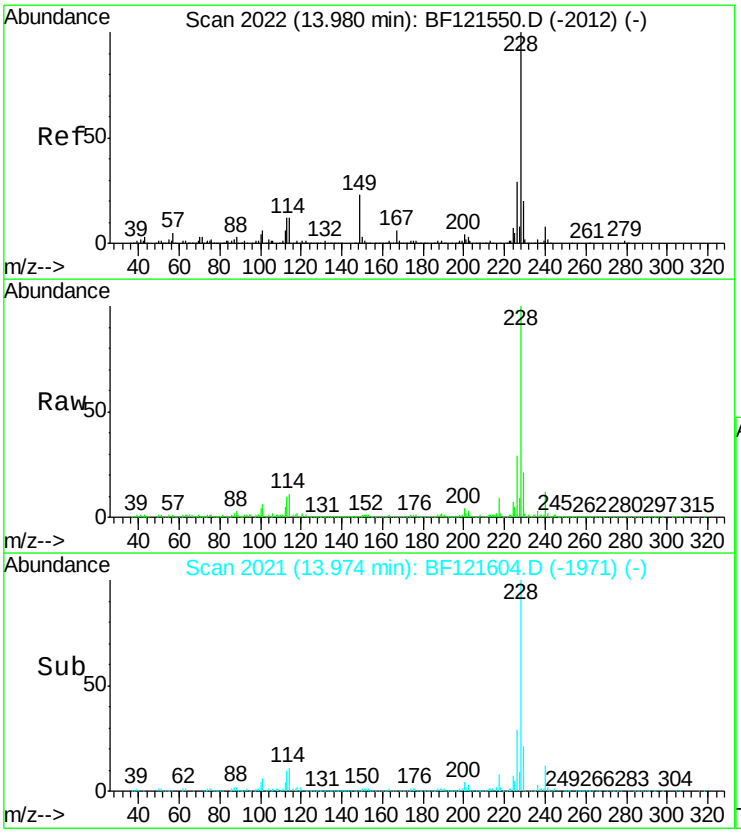
#79
Terphenyl-d14
Concen: 72.943 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:244 Resp: 1113763

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.4	8.7	13.1

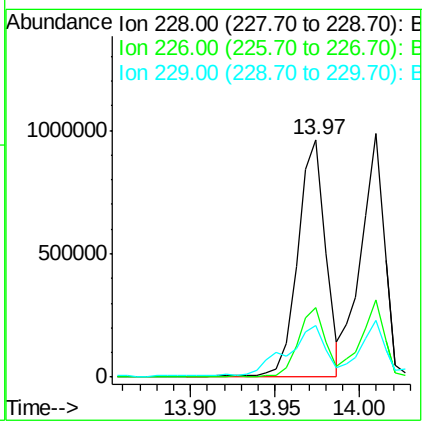


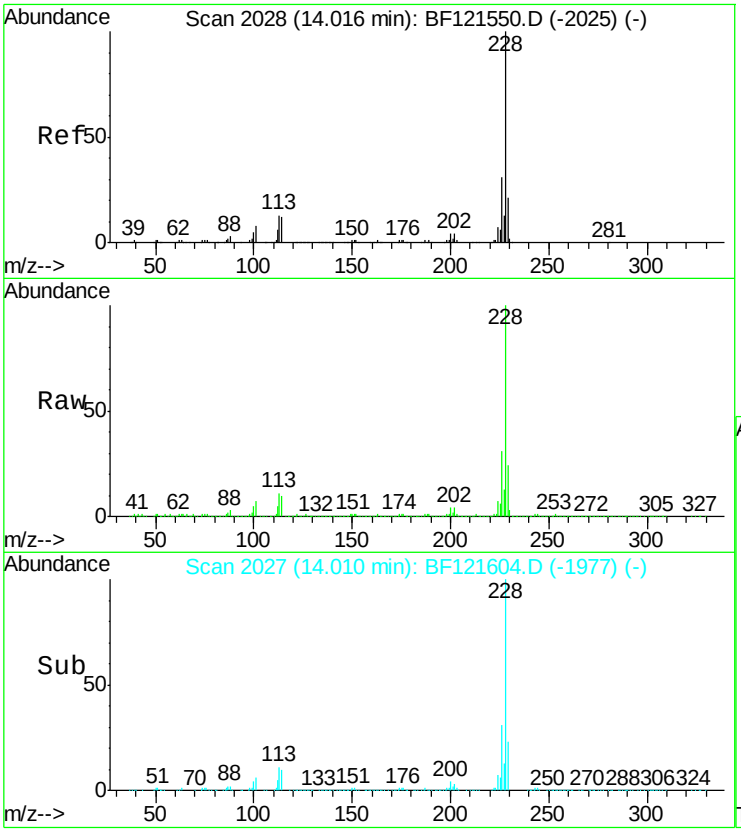


#81
Benzo(a)anthracene
Concen: 55.671 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:228 Resp: 1089467

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.9	34.3
229	21.5	16.3	24.5



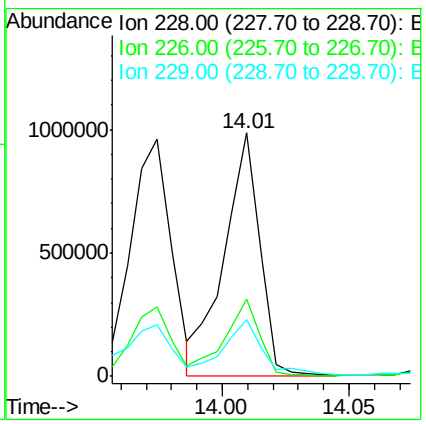


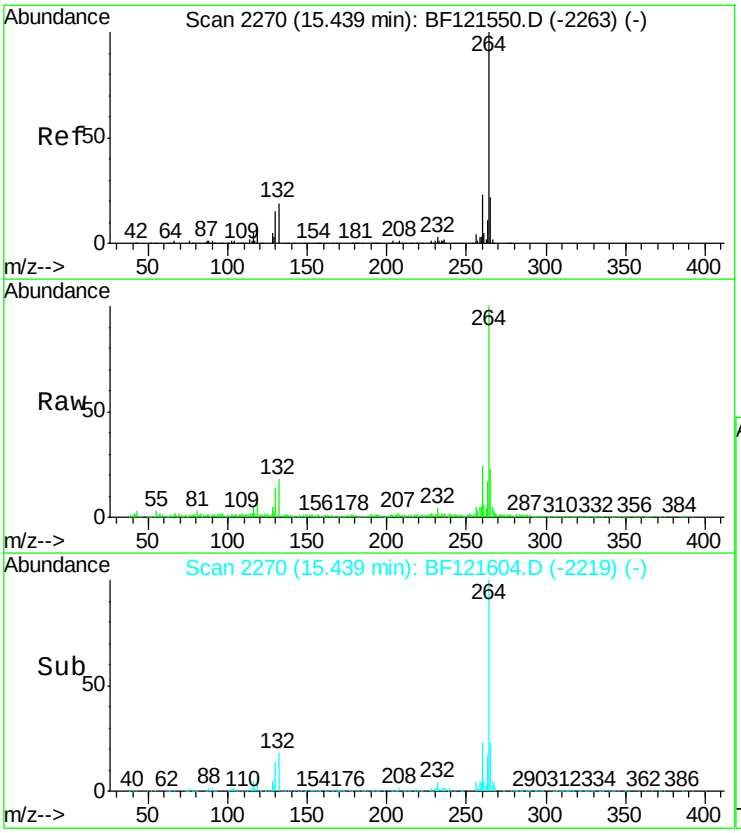
#83
Chrysene
Concen: 48.302 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:228 Resp: 957205

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.1	37.7
229	23.5	16.6	25.0

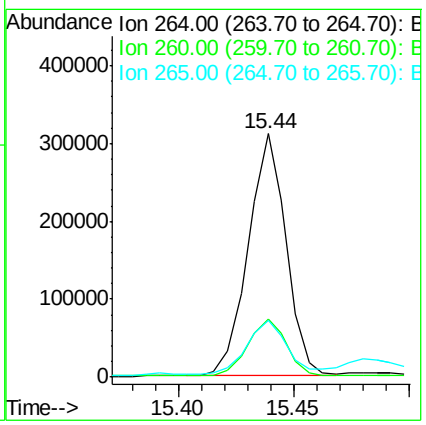


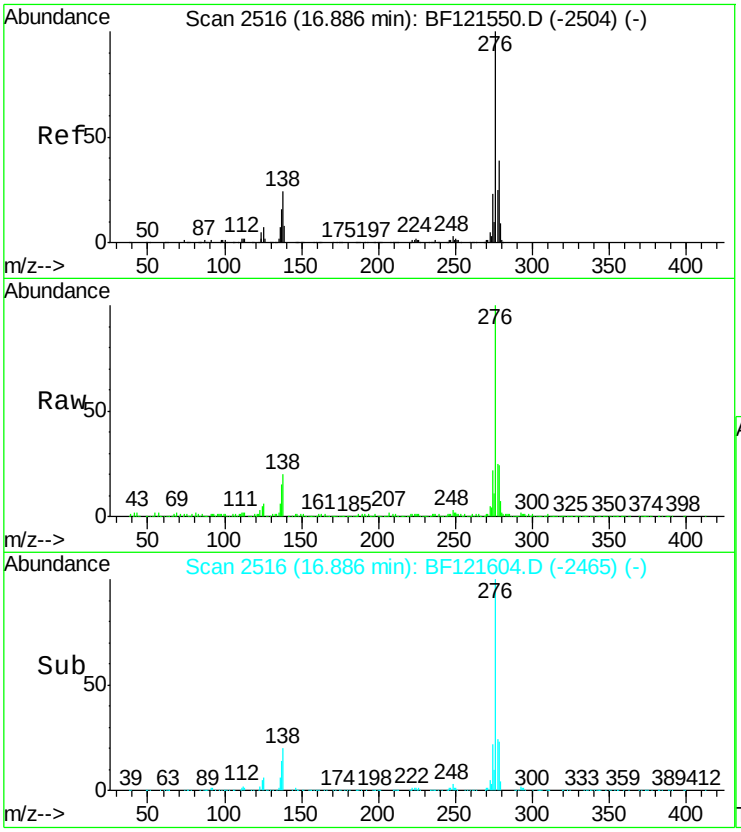


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:264 Resp: 353395

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	23.1	17.8	26.6



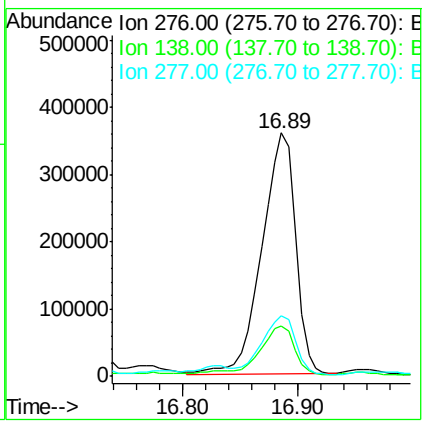


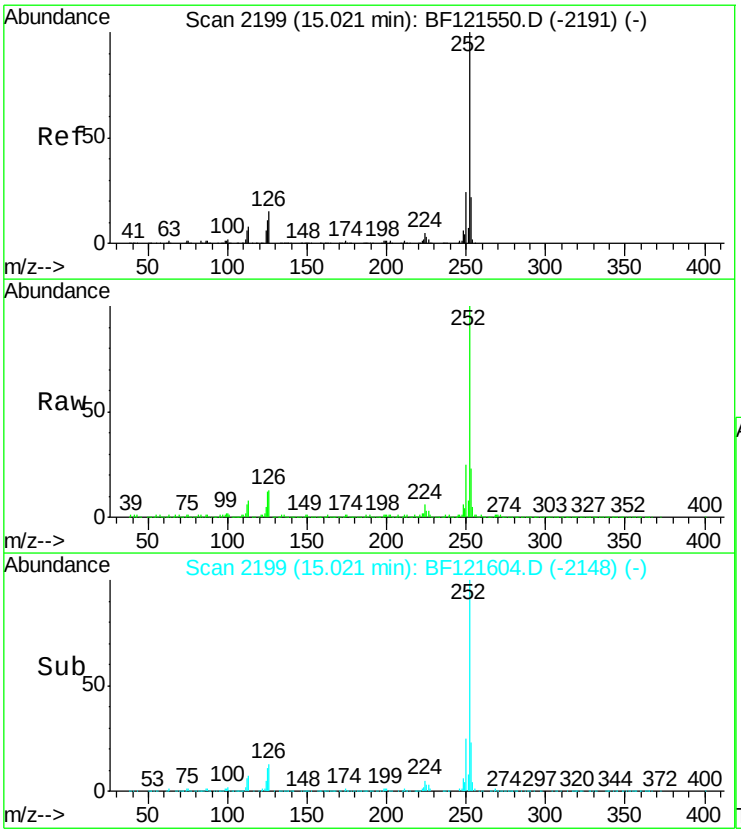
#87
Indeno(1,2,3-cd)pyrene
Concen: 31.693 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:276 Resp: 729392

Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.6	31.0
277	24.5	20.2	30.4

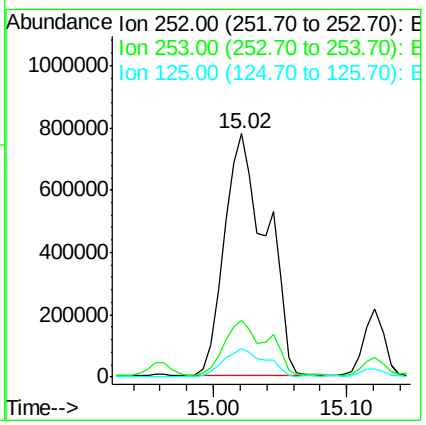


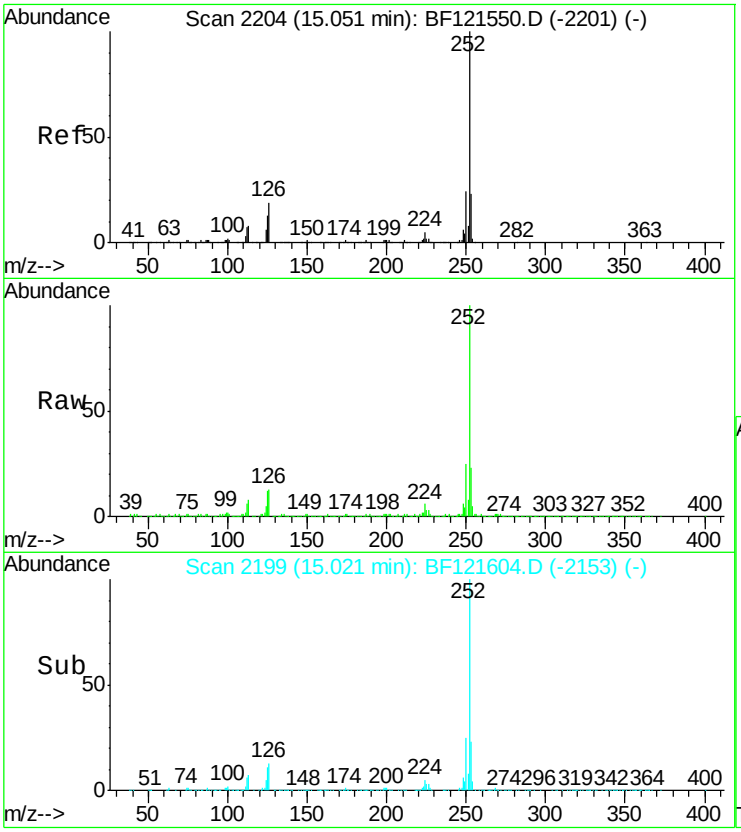


#88
Benzo(b)fluoranthene
Concen: 72.128 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:252 Resp: 1704001

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	11.5	9.2	13.8



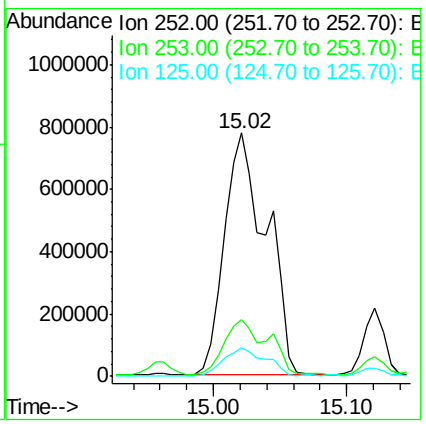


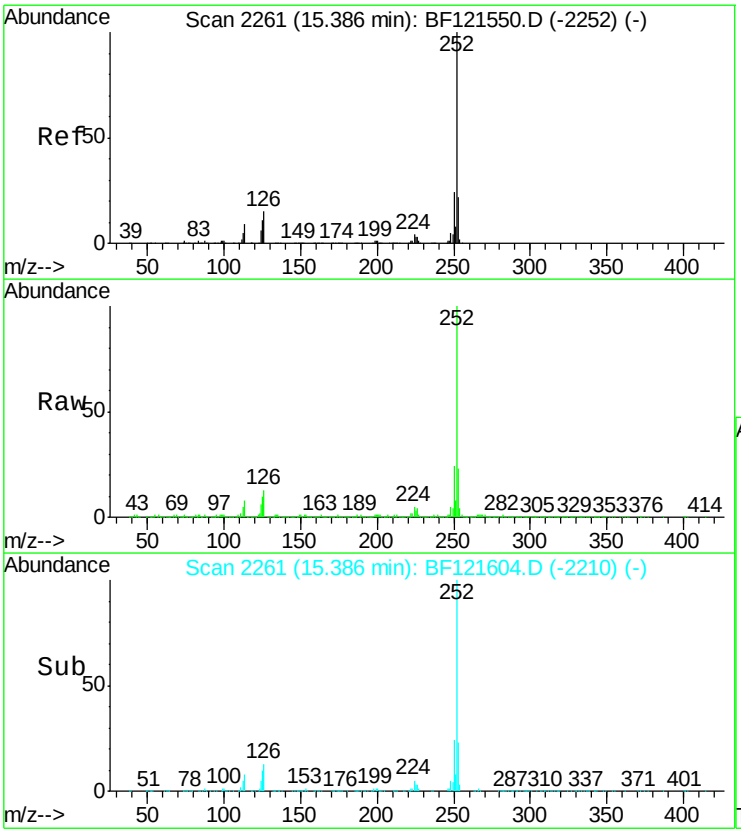
#89
Benzo(k)fluoranthene
Concen: 78.764 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:252 Resp: 1704001

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.5	9.8	14.6

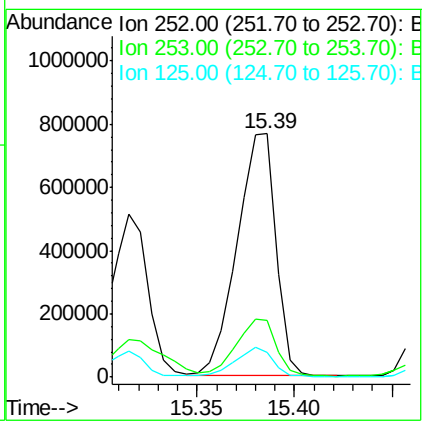


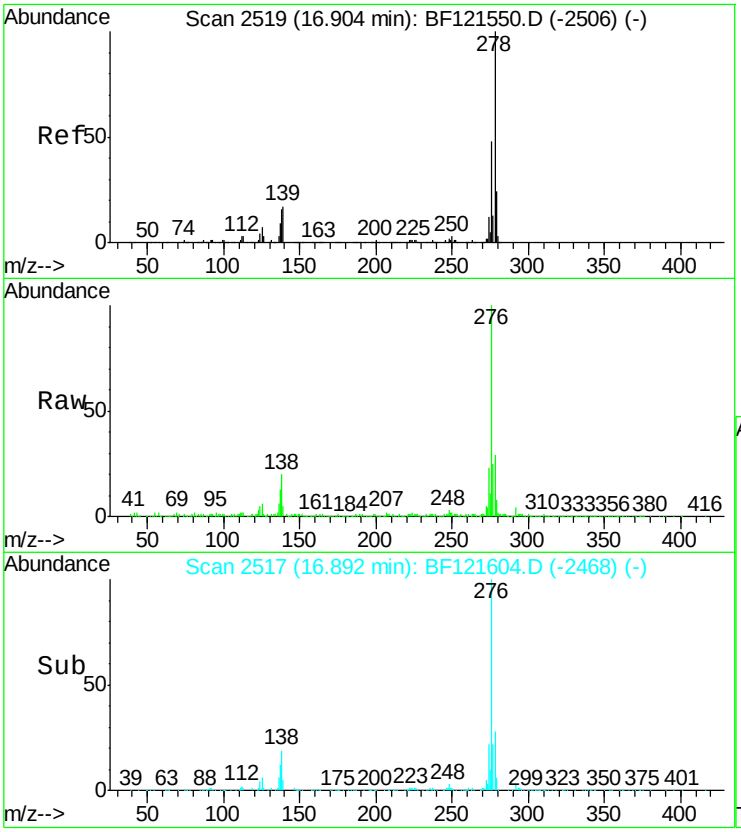


#90
Benzo(a)pyrene
Concen: 52.762 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:252 Resp: 1059558

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.2	9.0	13.4



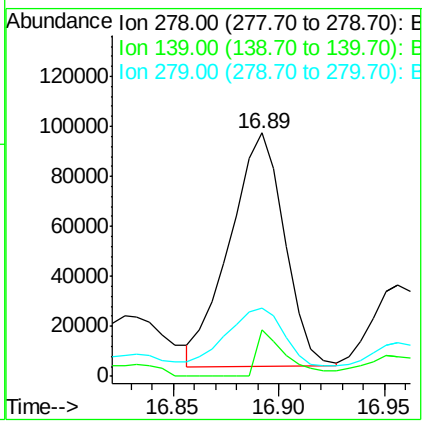


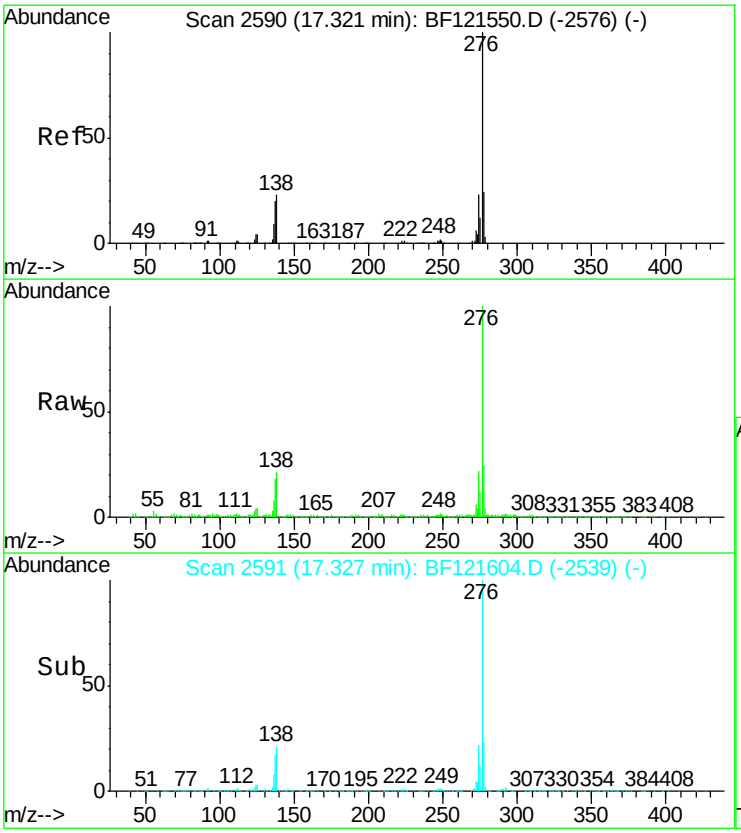
#91
Dibenzo(a,h)anthracene
Concen: 8.818 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-0-10

Tgt Ion:278 Resp: 168924

Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.9	20.9
279	27.9	19.2	28.8





#92
Benzo(g,h,i)perylene
Concen: 36.951 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF121604.D
Acq: 17 Sep 2020 18:54

Tgt Ion:276 Resp: 695842

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	21.0	18.7	28.1