

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121882.D
 Acq On : 7 Oct 2020 19:32
 Operator : JU/CG
 Sample : L4242-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B17-100120-0-10

Quant Time: Oct 08 00:44:07 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

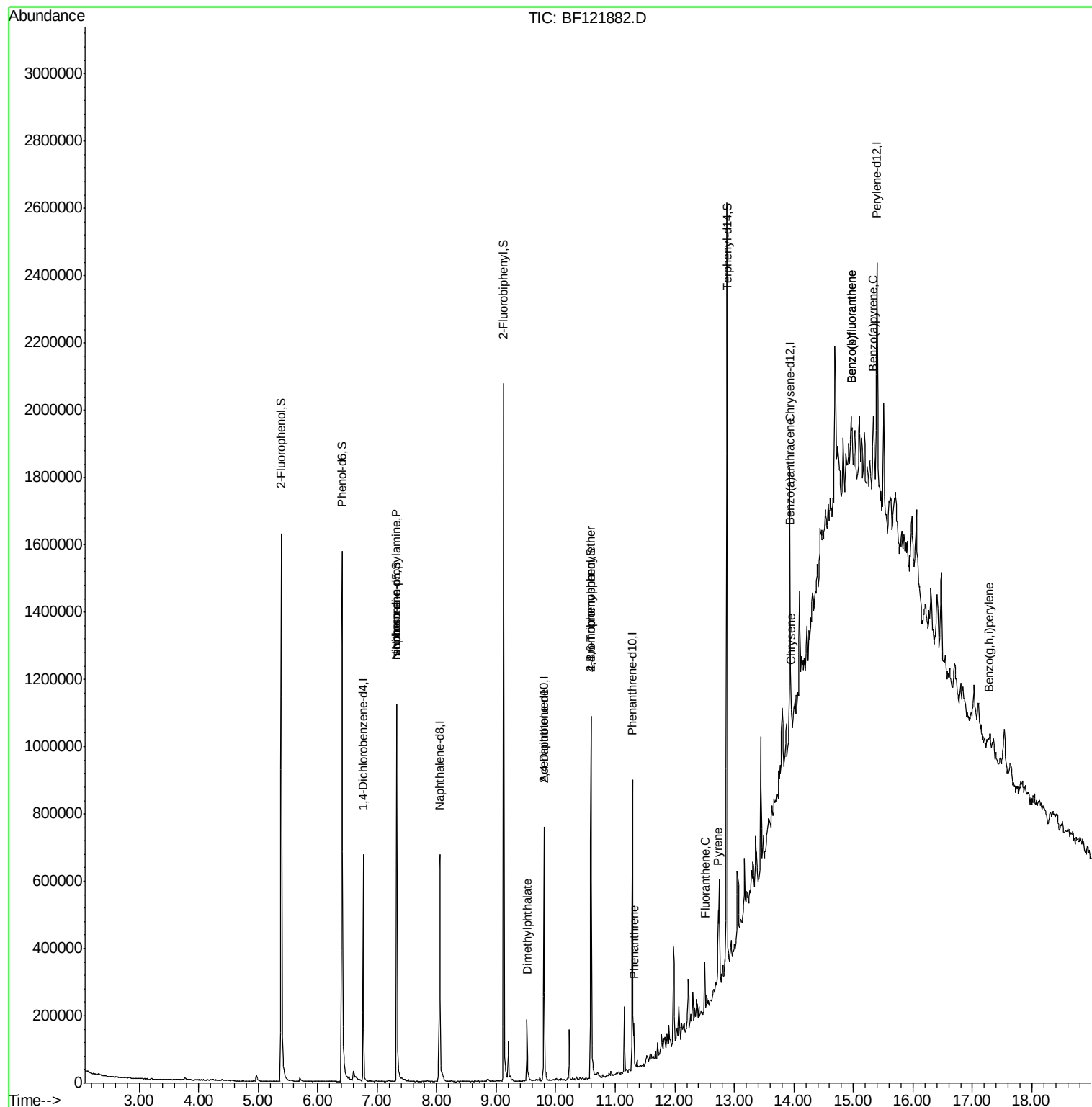
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	99530	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	357344	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	167572	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	313911	20.00	ng	0.00
76) Chrysene-d12	13.93	240	282652	20.00	ng	0.00
86) Perylene-d12	15.40	264	205050	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	494818	73.88	ng	0.00
7) Phenol-d6	6.41	99	600974	68.40	ng	0.00
23) Nitrobenzene-d5	7.33	82	393631	59.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	145225	69.73	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	667535	60.33	ng	-0.01
79) Terphenyl-d14	12.87	244	690159	49.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	51436	10.157	ng	# 80
25) Isophorone	7.33	82	393662	29.383	ng	# 67
50) Dimethylphthalate	9.52	163	89095	7.336	ng	99
57) 2,4-Dinitrotoluene	9.80	165	21861	6.718	ng	# 21
67) 4-Bromophenyl-phenylether	10.59	248	8295	2.321	ng	# 1
71) Phenanthrene	11.31	178	42009	2.456	ng	97
75) Fluoranthene	12.50	202	65006	3.561	ng	97
78) Pyrene	12.73	202	66830	3.236	ng	98
81) Benzo(a)anthracene	13.92	228	37827	2.115	ng	# 69
83) Chrysene	13.96	228	38960	2.152	ng	# 77
88) Benzo(b)fluoranthene	14.97	252	50031	3.650	ng	# 56
89) Benzo(k)fluoranthene	14.97	252	50031	3.986	ng	# 55
90) Benzo(a)pyrene	15.33	252	31346	2.690	ng	# 45
92) Benzo(a,h,i)perylene	17.28	276	23314	2.134	ng	# 69

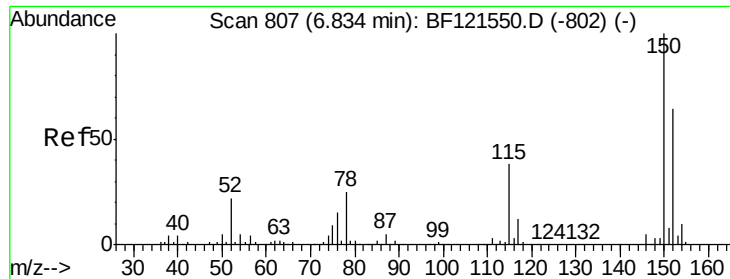
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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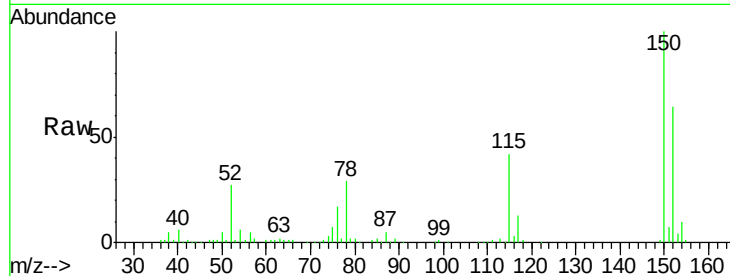


#1

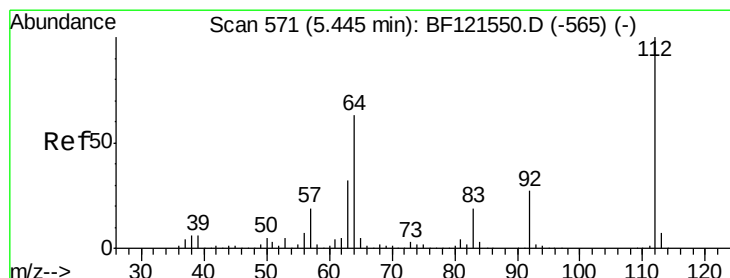
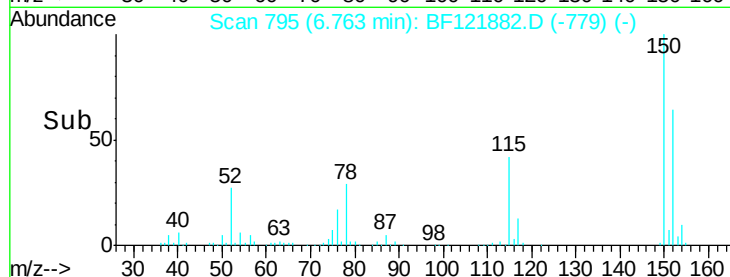
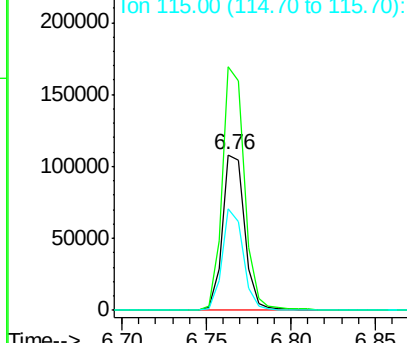
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Instrument :
BNA_F
ClientSampleId :
PAV-B17-100120-0-10

Tot Ion:152 Resp: 99530
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 65.0 51.9 77.9



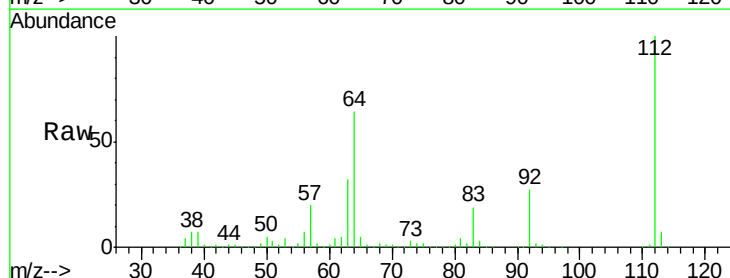
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



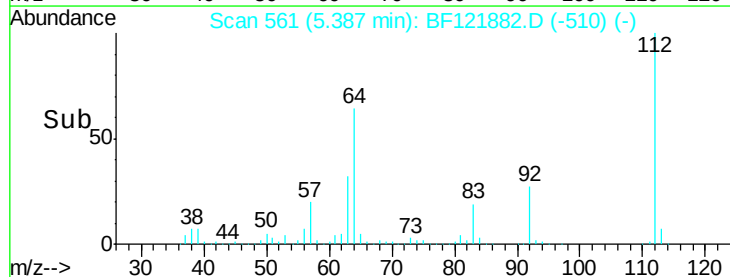
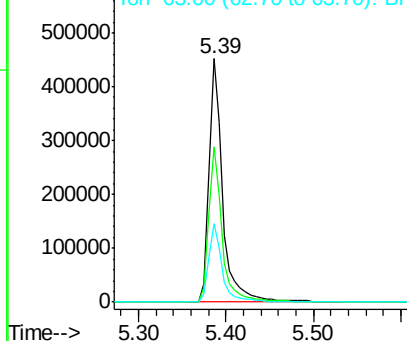
#5

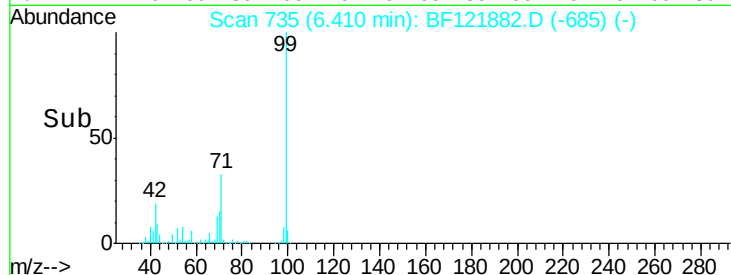
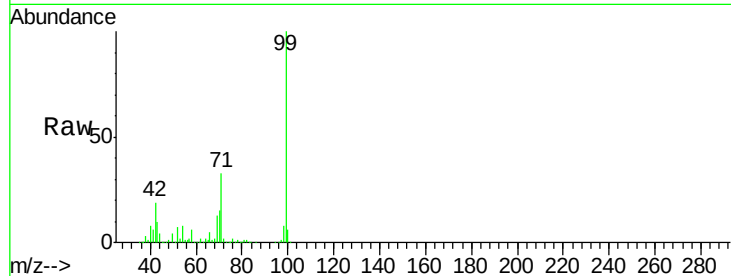
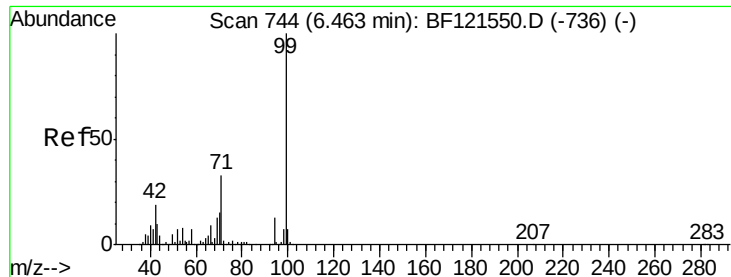
2-Fluorophenol
Concen: 73.883 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion:112 Resp: 494818
Ion Ratio Lower Upper
112 100
64 63.7 50.4 75.6
63 32.0 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 68.398 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Instrument :

BNA_F

ClientSampleId :

PAV-B17-100120-0-10

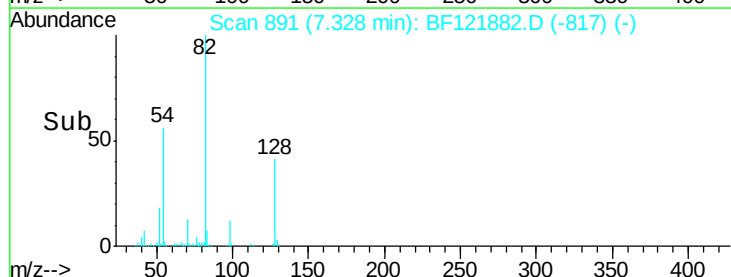
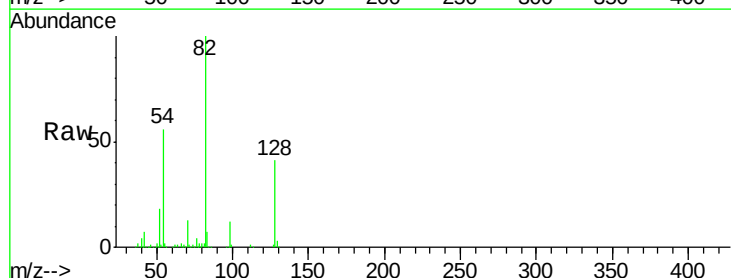
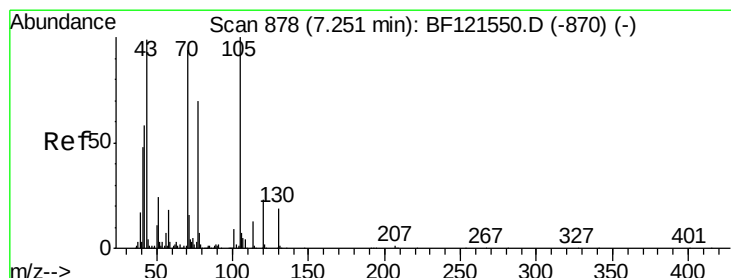
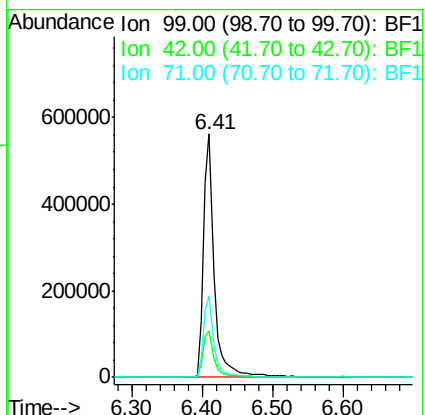
Tot Ion: 99 Resp: 600974

Ion Ratio Lower Upper

99 100

42 18.9 15.9 23.9

71 33.1 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.157 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Tgt Ion: 70 Resp: 51436

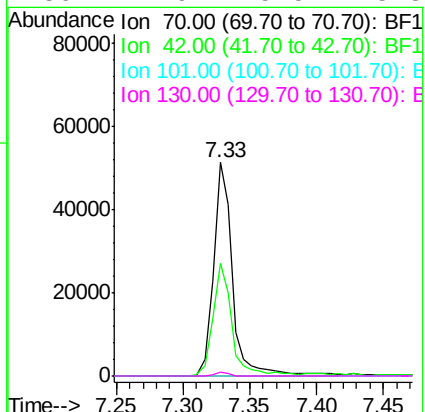
Ion Ratio Lower Upper

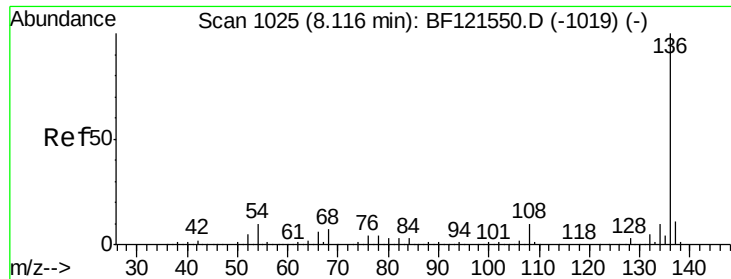
70 100

42 52.8 50.2 75.4

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

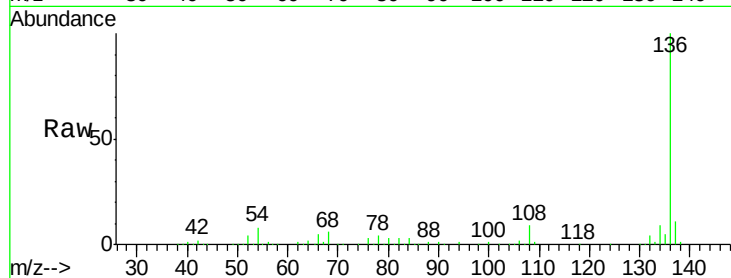




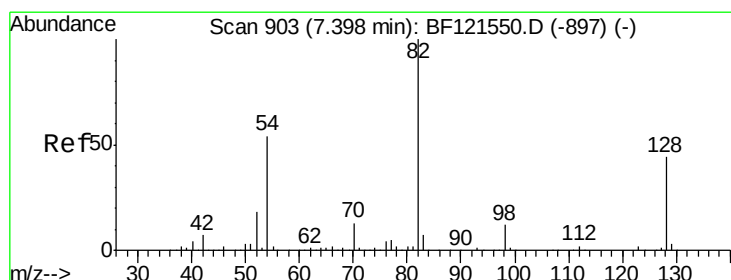
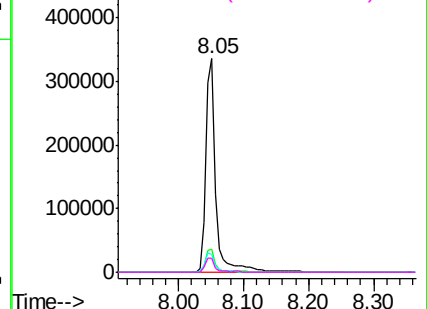
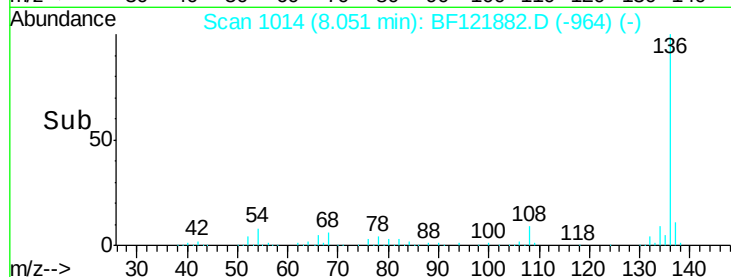
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Instrument :
BNA_F
ClientSampleId :
PAV-B17-100120-0-10

Tot Ion:136	Resp:	357344
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.6	13.0
54 8.4	7.1	10.7
68 6.3	5.0	7.4

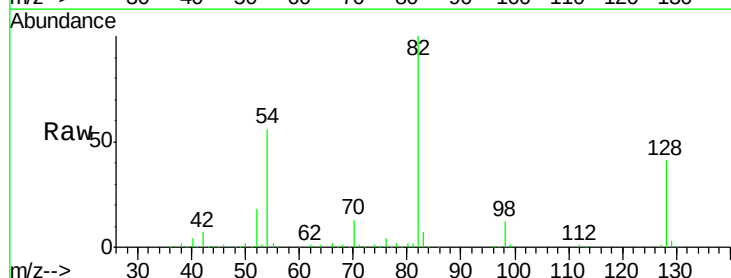


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

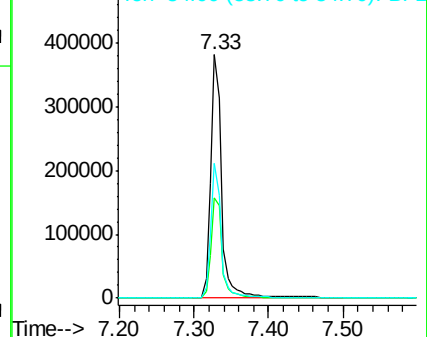
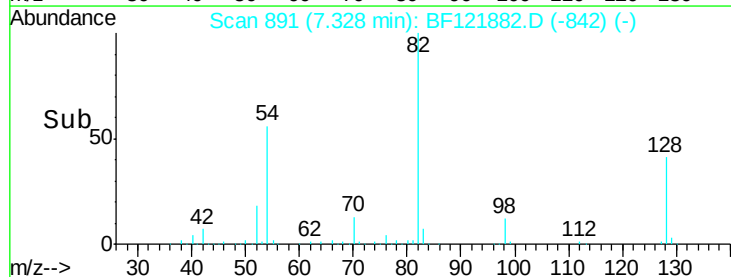


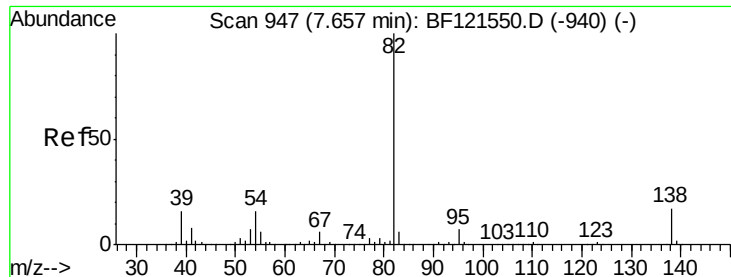
#23
Nitrobenzene-d5
Concen: 59.144 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion: 82	Resp: 393631
Ion Ratio	Lower Upper
82 100	
128 41.0	35.0 52.4
54 55.5	43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.383 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Instrument :

BNA_F

ClientSampleId :

PAV-B17-100120-0-10

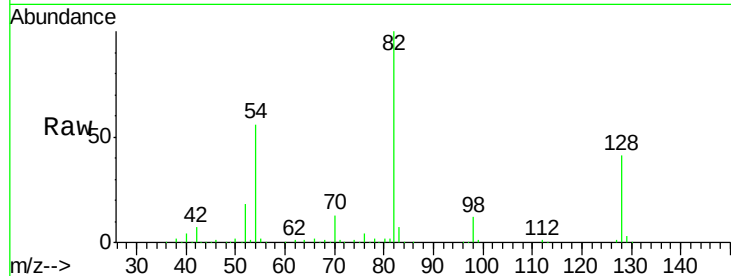
Tot Ion: 82 Resp: 393662

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

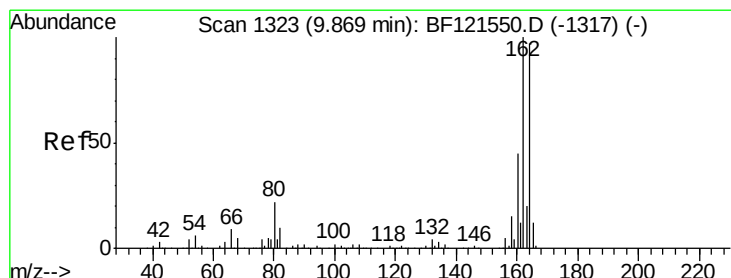
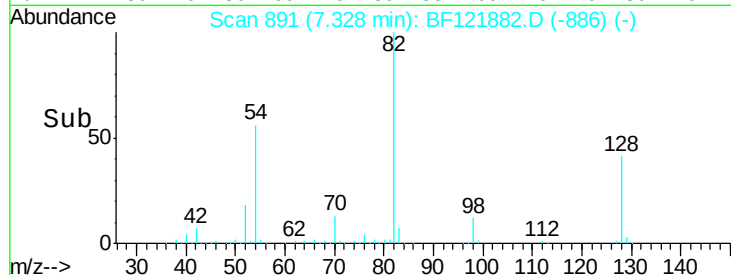
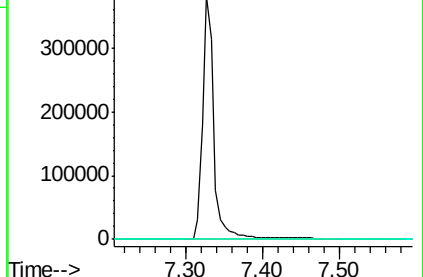
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

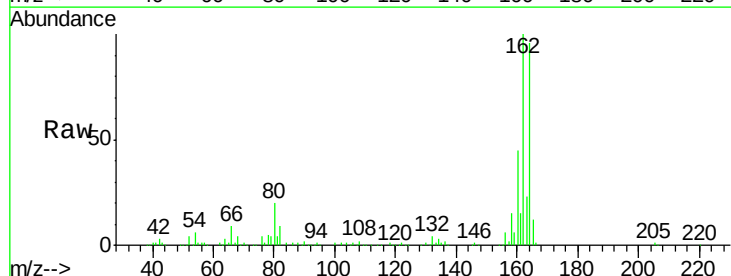
Tgt Ion: 164 Resp: 167572

Ion Ratio Lower Upper

164 100

162 104.3 83.2 124.8

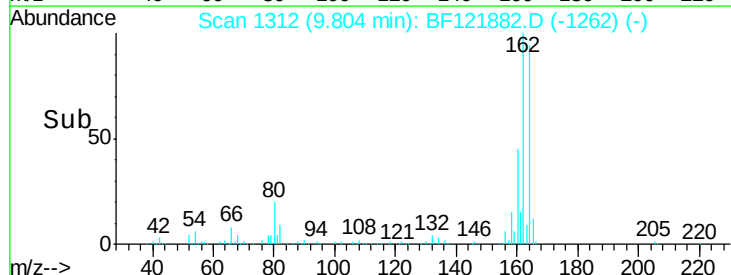
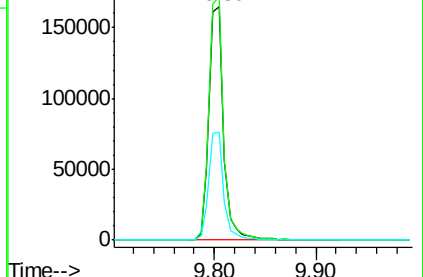
160 46.5 37.5 56.3

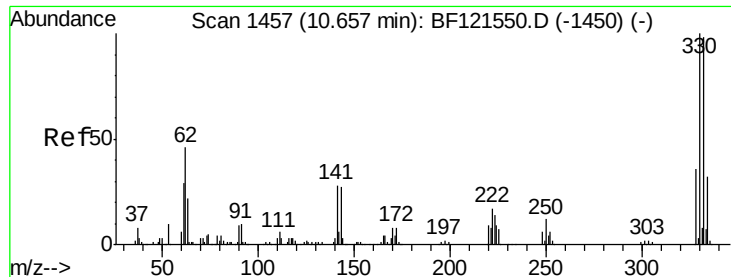


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 69.729 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

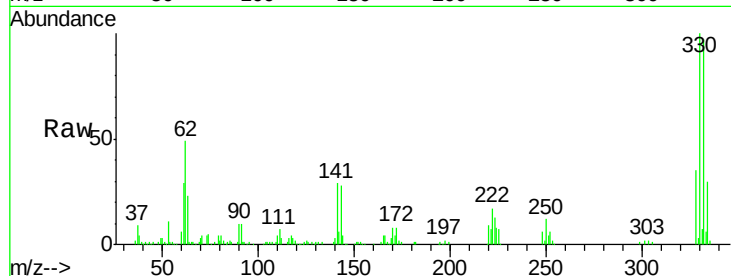
Instrument :

BNA_F

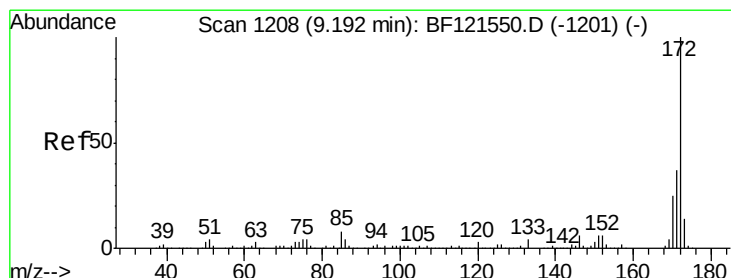
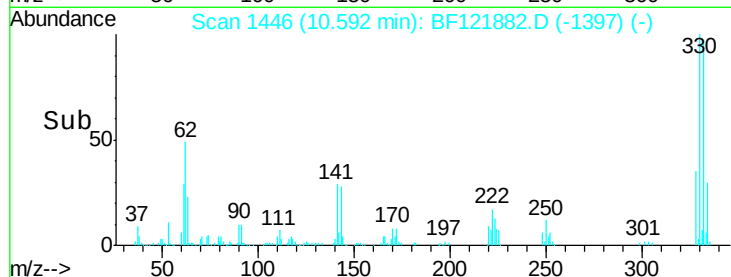
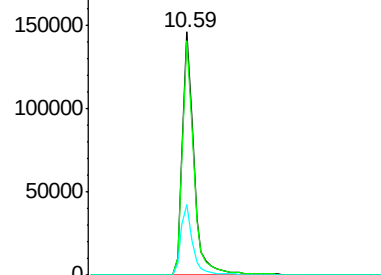
ClientSampleId :

PAV-B17-100120-0-10

Tot Ion:	330	Resp:	145225
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	30.1	22.3	33.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 60.332 ng

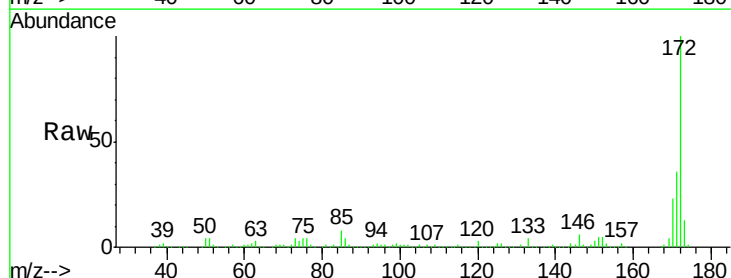
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

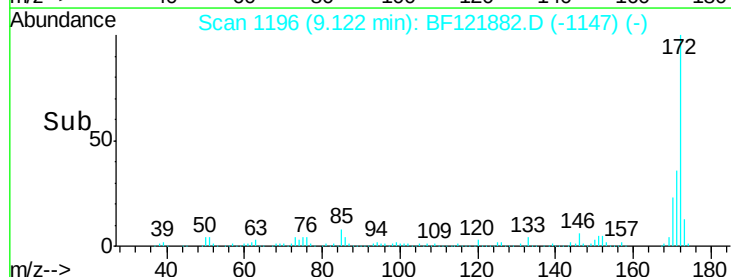
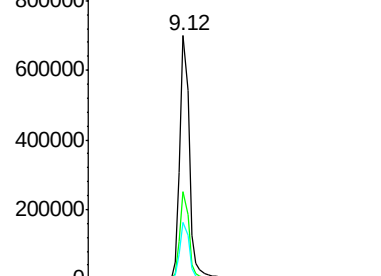
Lab File: BF121882.D

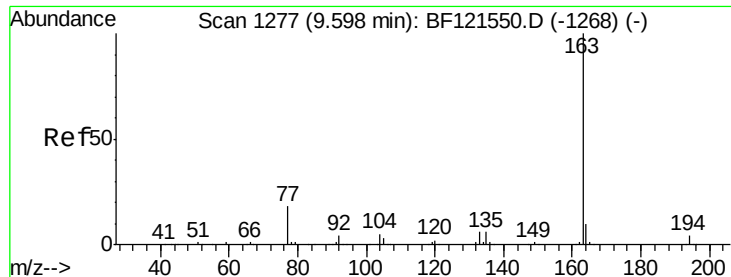
Acq: 7 Oct 2020 19:32

Tgt Ion:	172	Resp:	667535
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	23.4	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

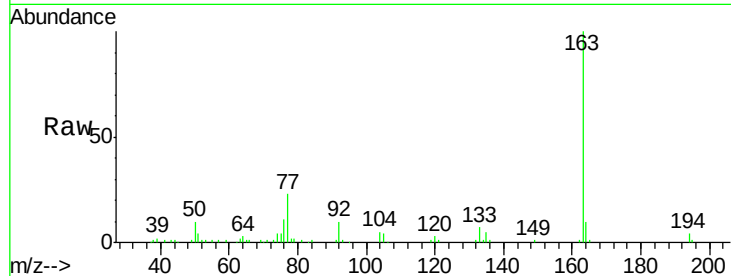




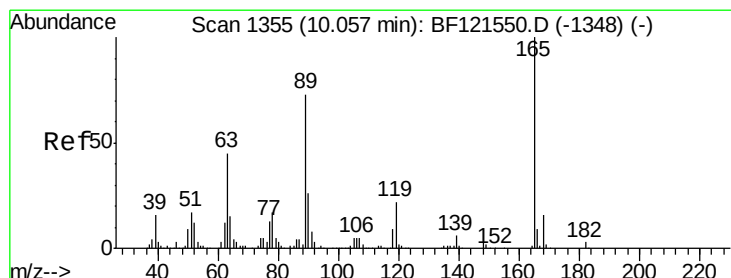
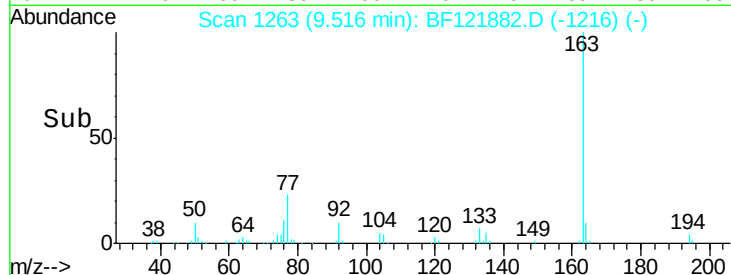
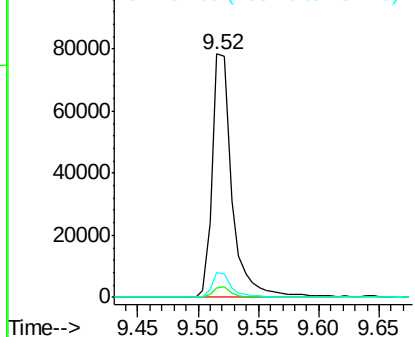
#50
Dimethylphthalate
Concen: 7.336 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Instrument :
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ClientSampleId :
PAV-B17-100120-0-10

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.4	8.2	12.4

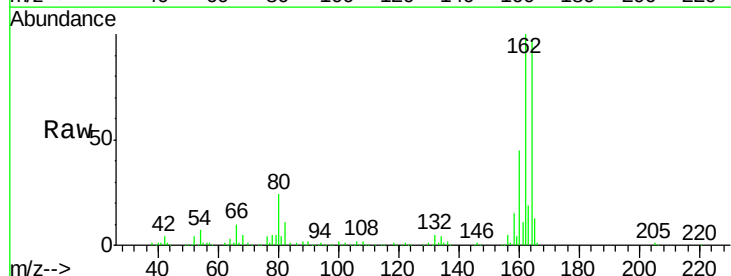


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

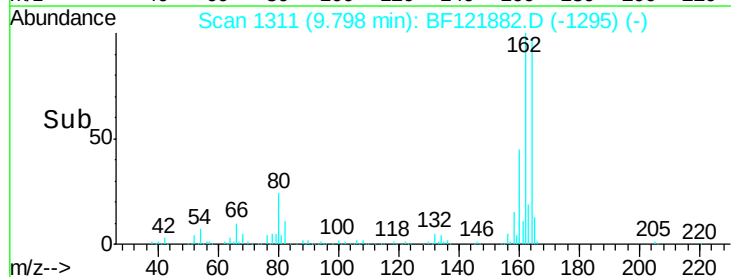
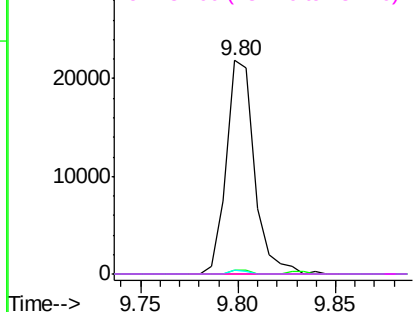


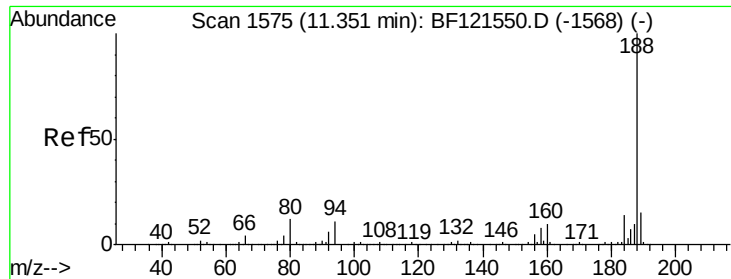
#57
2,4-Dinitrotoluene
Concen: 6.718 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.3	61.9#
89	1.7	61.8	92.8#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

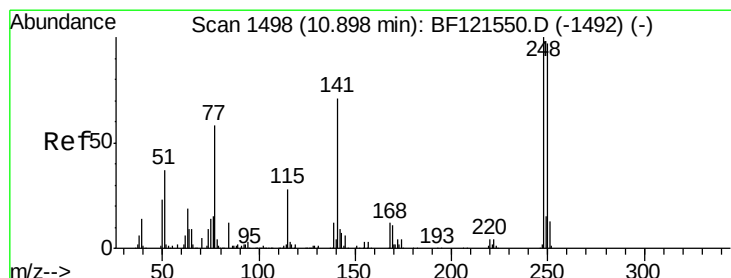
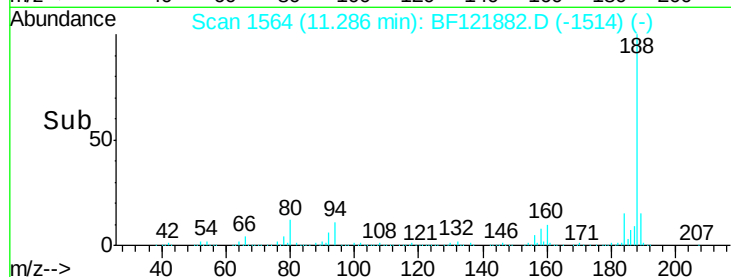
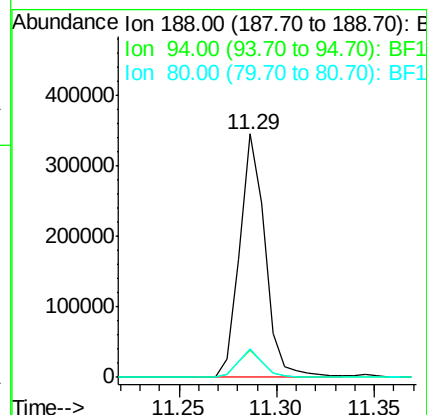
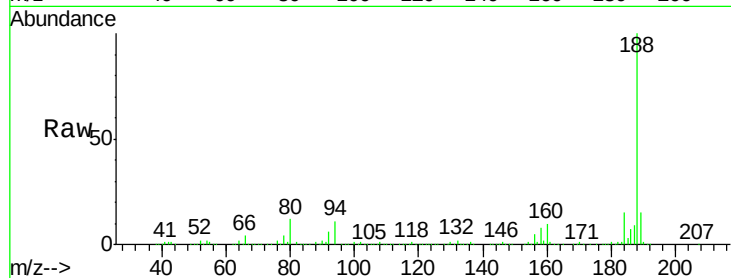




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

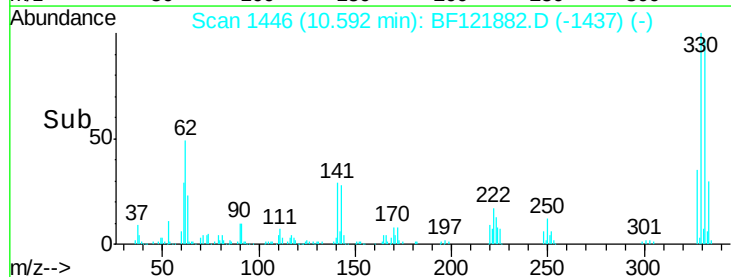
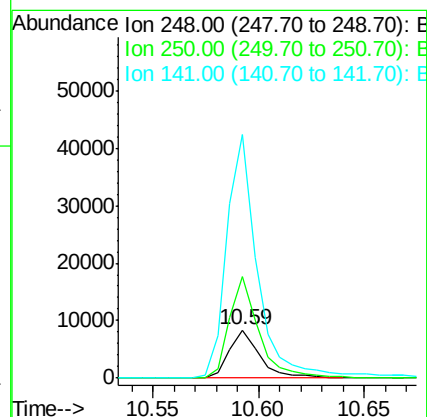
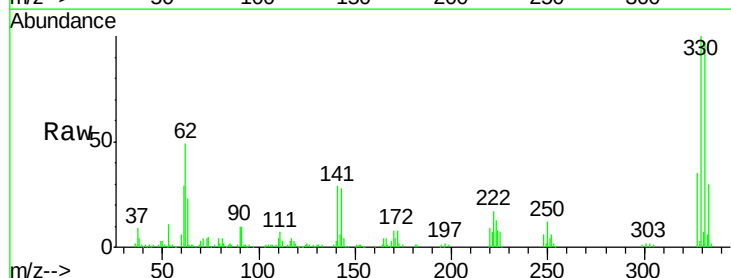
Instrument :
BNA_F
ClientSampleId :
PAV-B17-100120-0-10

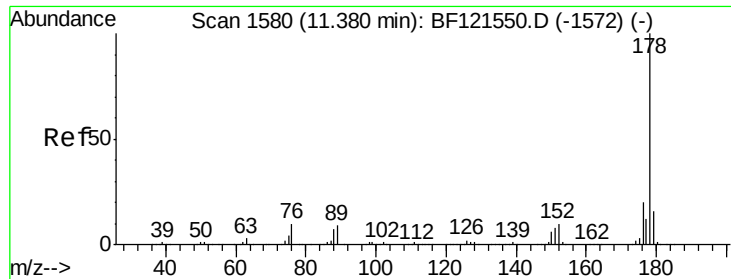
Tot Ion:188 Resp: 313911
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 11.9 9.1 13.7



#67
4-Bromophenyl-phenylether
Concen: 2.321 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.25 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion:248 Resp: 8295
Ion Ratio Lower Upper
248 100
250 211.1 77.0 115.6#
141 506.6 53.7 80.5#





#71

Phenanthrene

Concen: 2.456 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Instrument :

BNA_F

ClientSampleId :

PAV-B17-100120-0-10

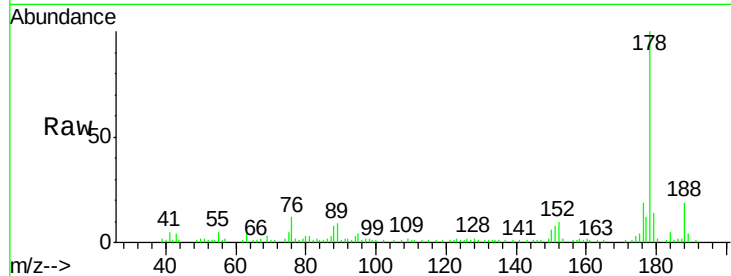
Tot Ion:178 Resp: 42009

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

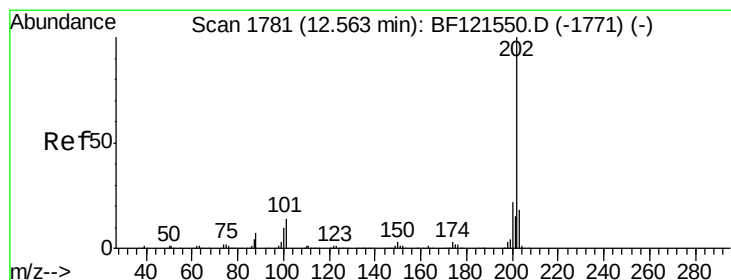
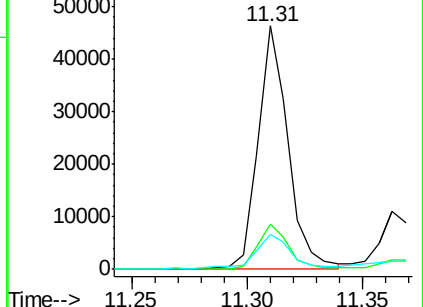
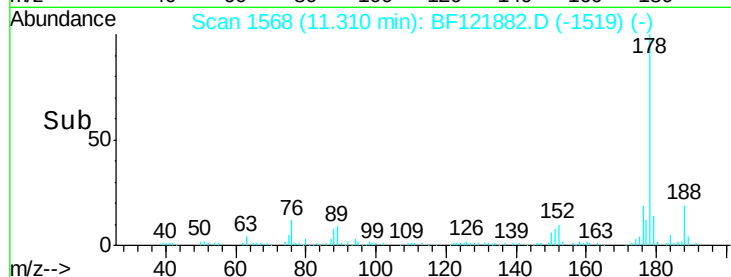
179 14.3 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 3.561 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

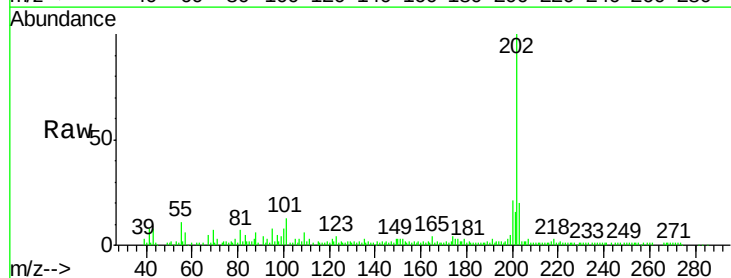
Tgt Ion:202 Resp: 65006

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.4

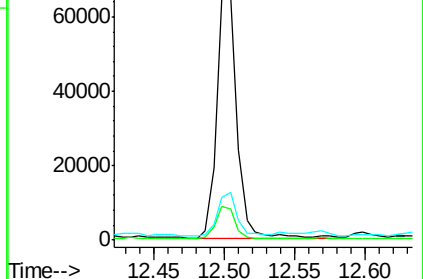
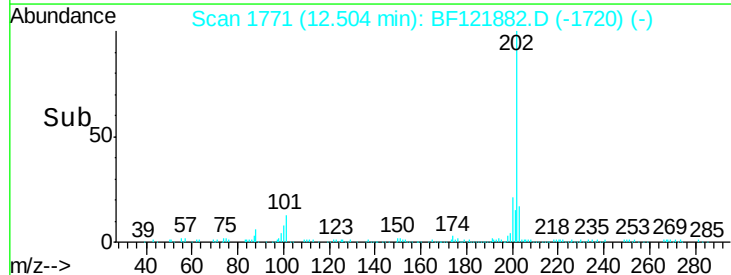
203 19.5 0.0 37.9

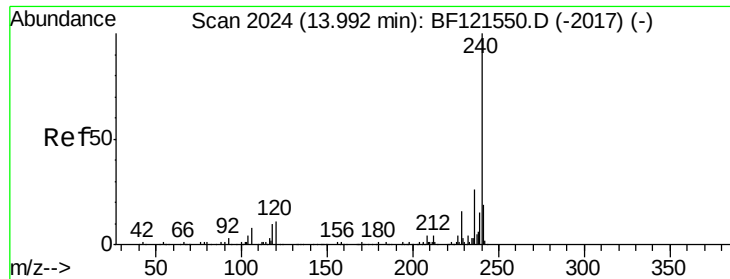


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

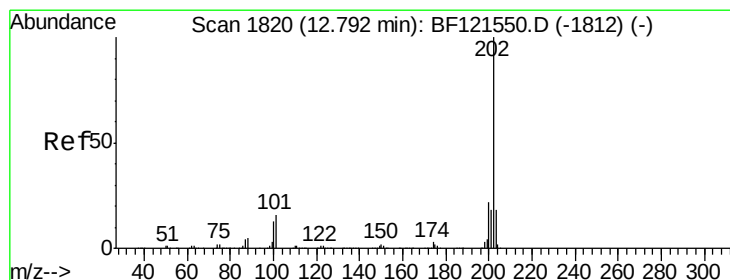
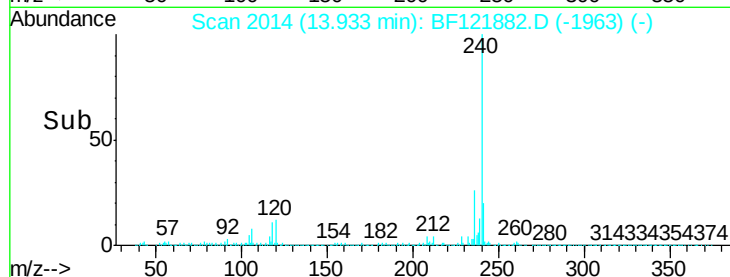
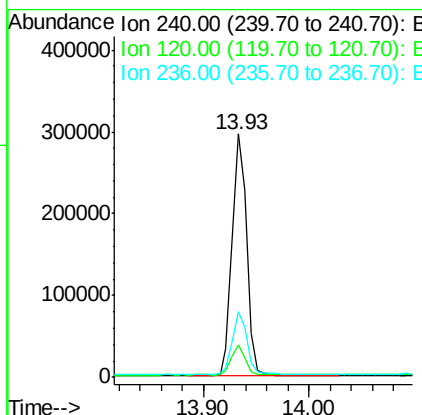
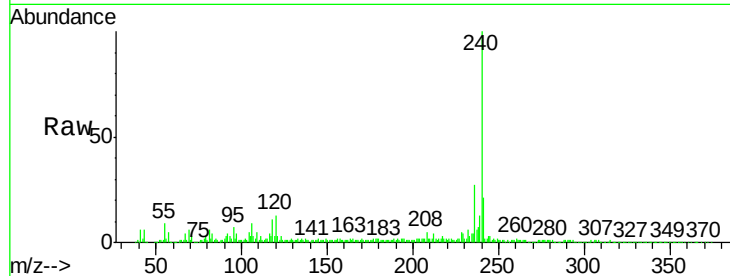




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

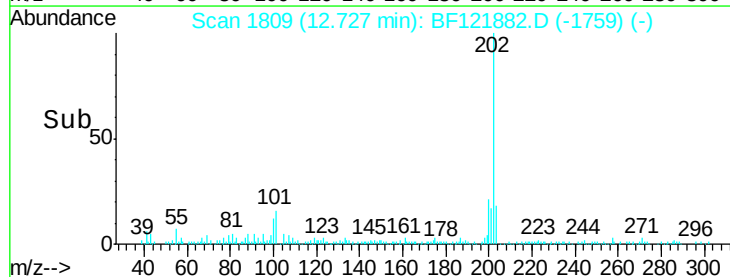
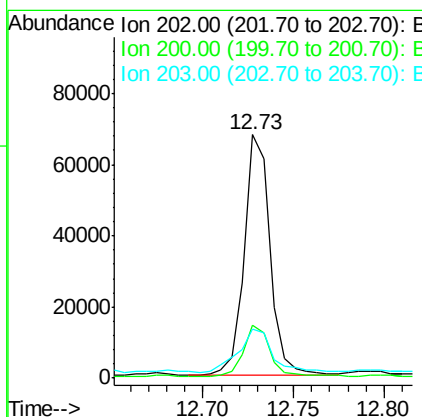
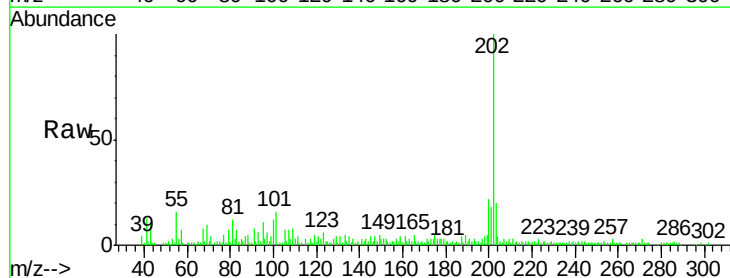
Instrument :
BNA_F
ClientSampleId :
PAV-B17-100120-0-10

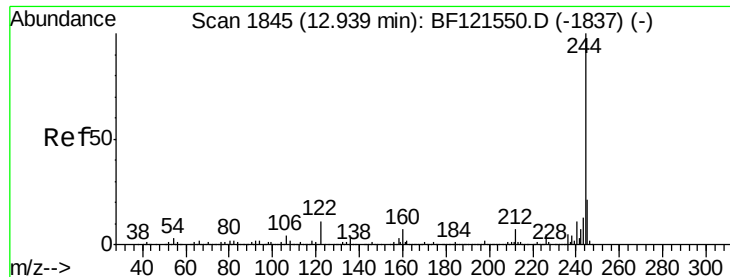
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.2	13.8
236	26.8	20.9	31.3



#78
Pyrene
Concen: 3.236 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	20.3	14.6	21.8

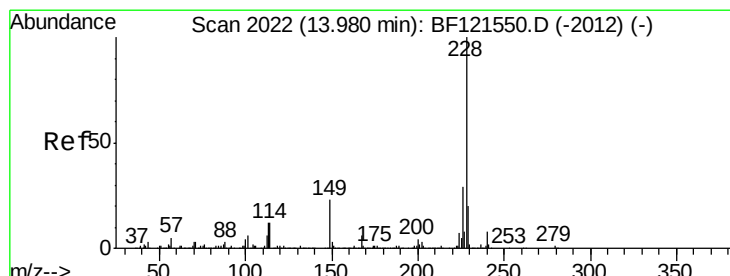
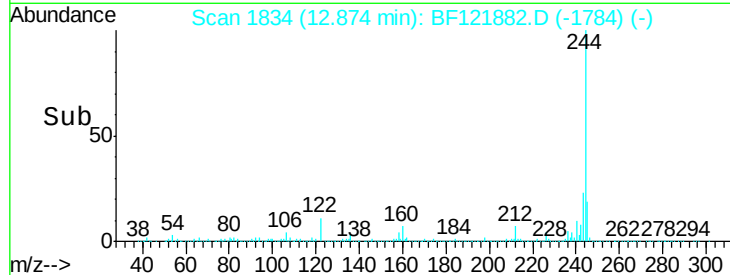
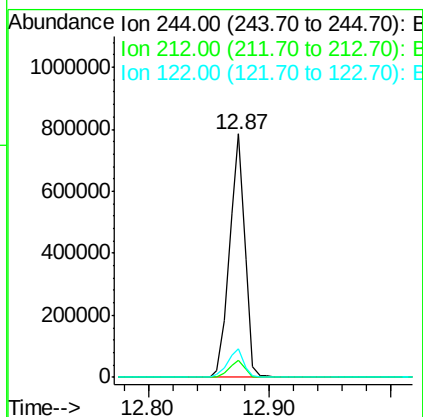
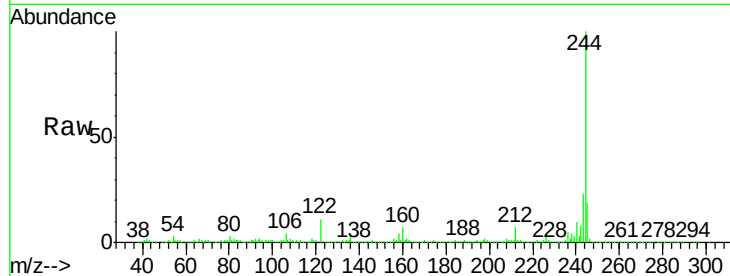




#79
 Terphenyl-d14
 Concen: 49.467 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF121882.D
 Acq: 7 Oct 2020 19:32

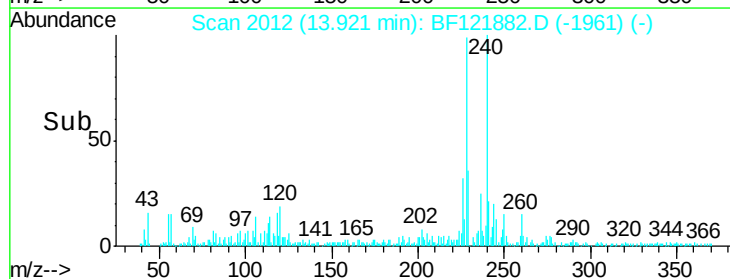
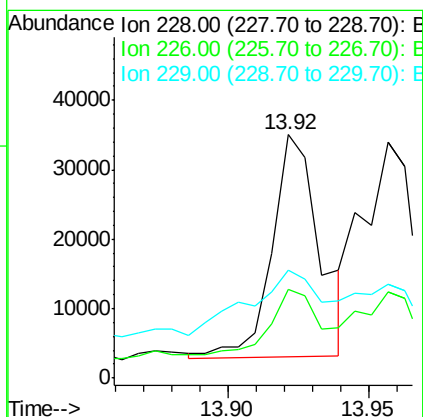
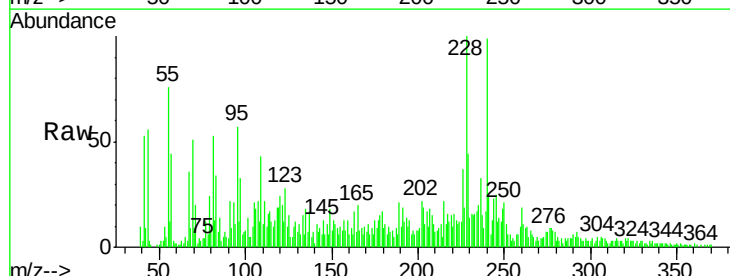
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B17-100120-0-10

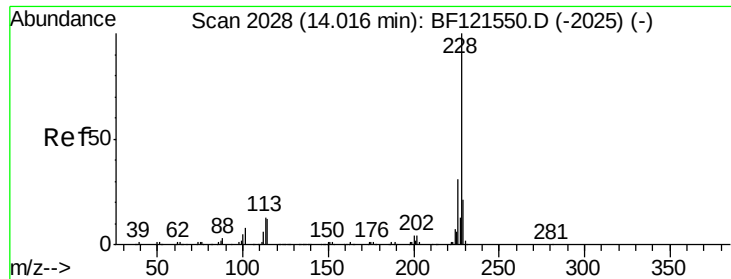
Tot Ion:244 Resp: 690159
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 11.5 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 2.115 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: BF121882.D
 Acq: 7 Oct 2020 19:32

Tgt Ion:228 Resp: 37827
 Ion Ratio Lower Upper
 228 100
 226 36.5 22.3 33.5#
 229 44.4 16.2 24.4#





#83

Chrysene

Concen: 2.152 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Instrument :

BNA_F

ClientSampleId :

PAV-B17-100120-0-10

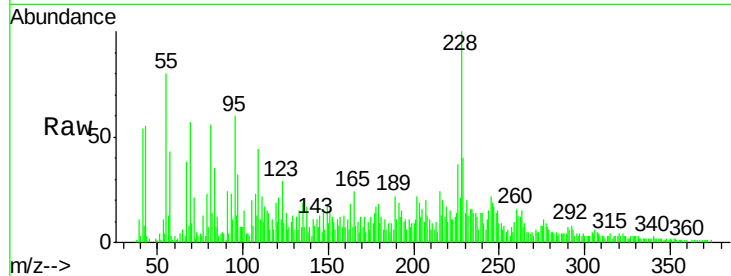
Tot Ion:228 Resp: 38960

Ion Ratio Lower Upper

228 100

226 36.6 24.6 37.0

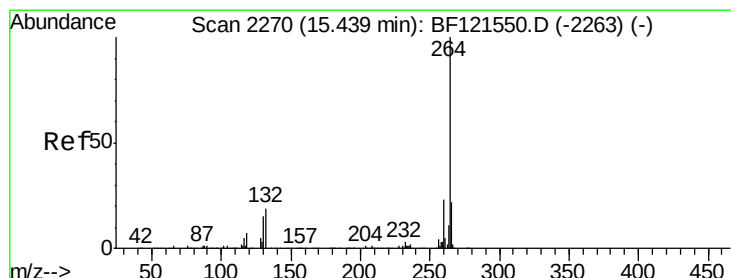
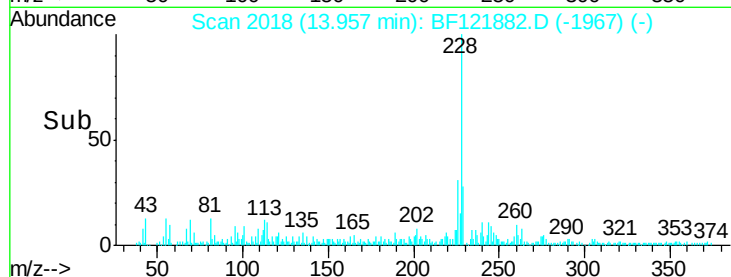
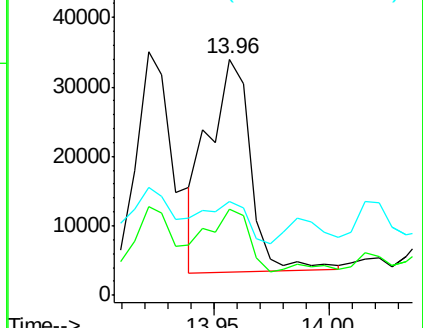
229 39.8 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.04 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

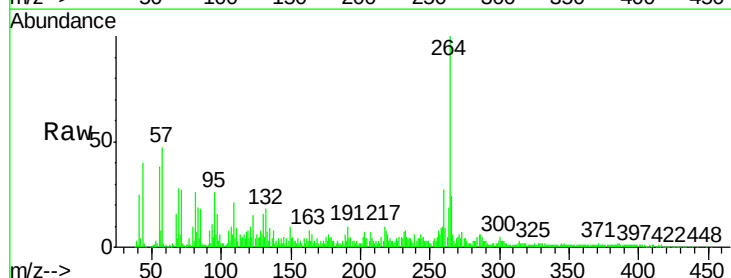
Tgt Ion:264 Resp: 205050

Ion Ratio Lower Upper

264 100

260 26.9 18.7 28.1

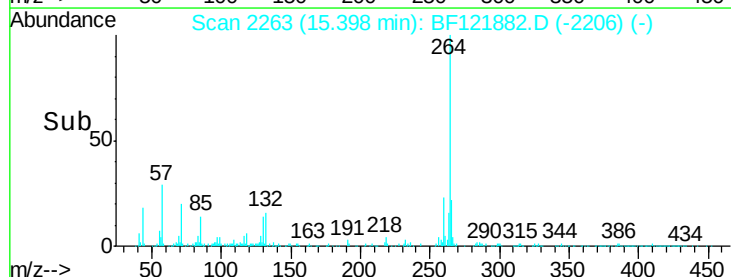
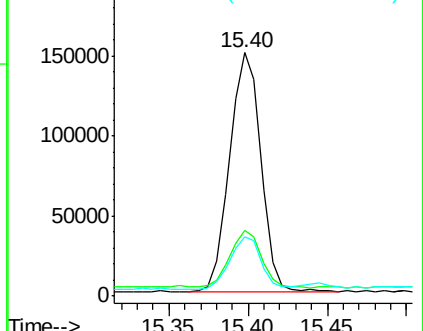
265 24.2 17.3 25.9

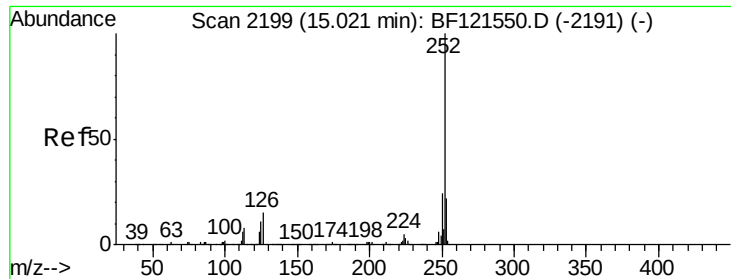


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

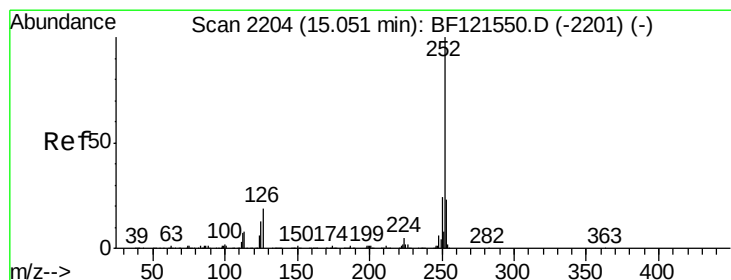
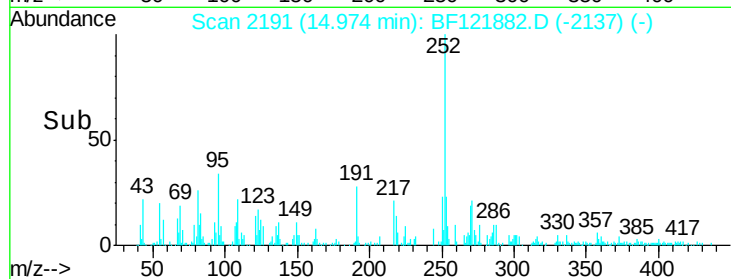
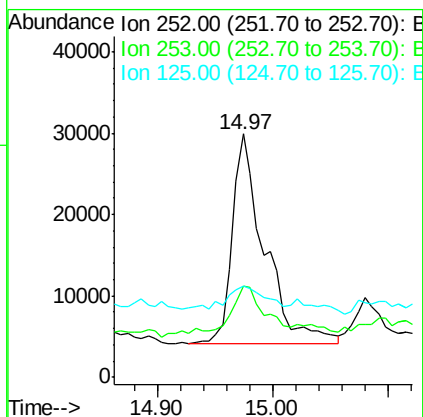
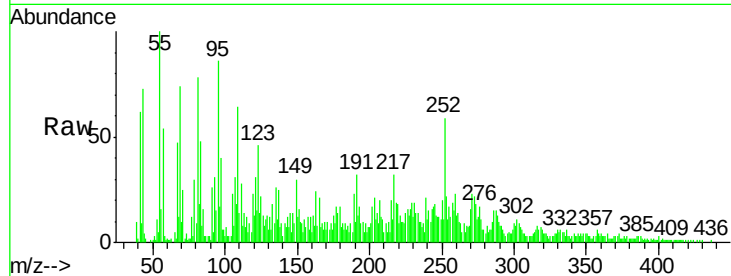




#88
Benzo(b)fluoranthene
Concen: 3.650 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.02 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

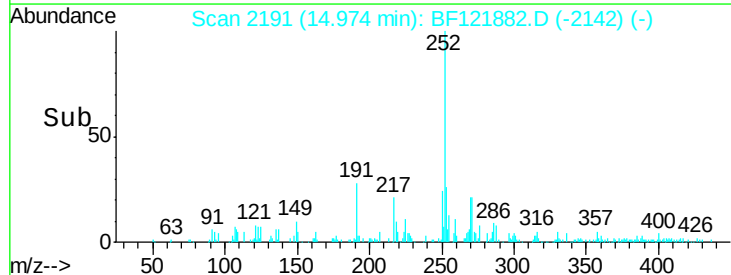
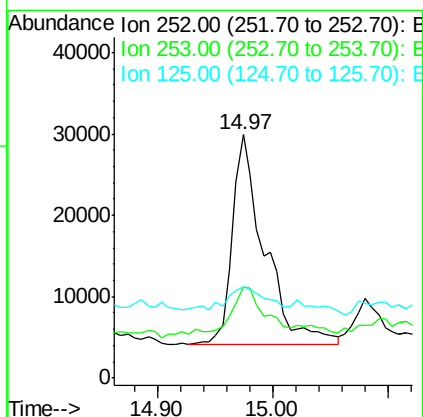
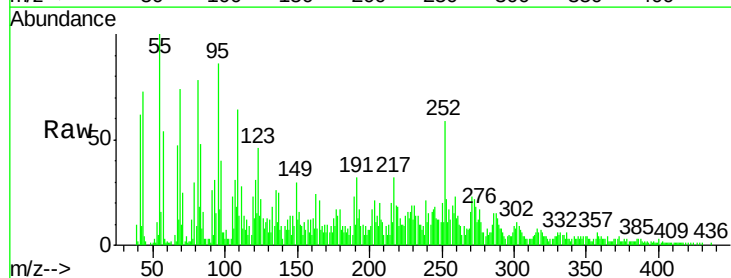
Instrument :
BNA_F
ClientSampleId :
PAV-B17-100120-0-10

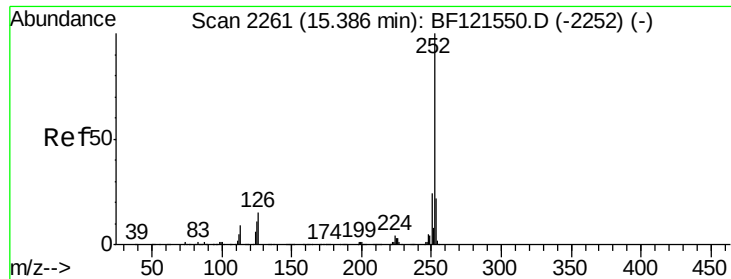
Tot Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.2	27.2#
125	37.6	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 3.986 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121882.D
Acq: 7 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.4	17.8	26.6#
125	37.6	7.7	11.5#





#90

Benzo(a)pyrene

Concen: 2.690 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.02 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

Instrument :

BNA_F

ClientSampleId :

PAV-B17-100120-0-10

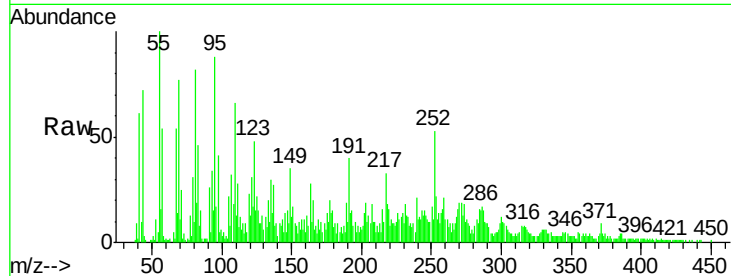
Tot Ion:252 Resp: 31346

Ion Ratio Lower Upper

252 100

253 41.8 17.3 25.9#

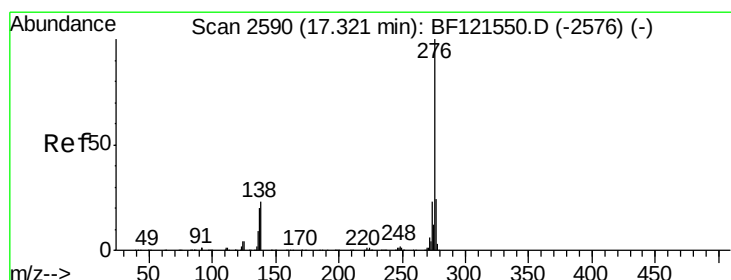
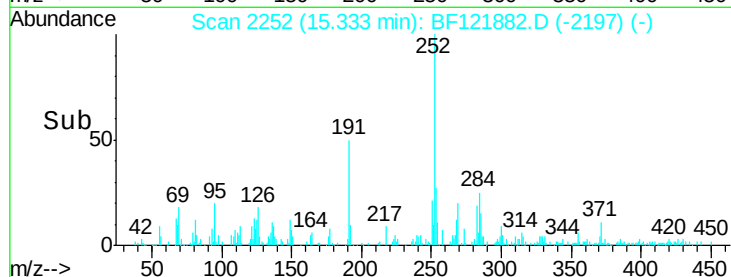
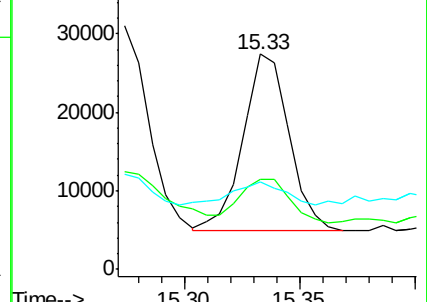
125 40.6 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.134 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.07 min

Lab File: BF121882.D

Acq: 7 Oct 2020 19:32

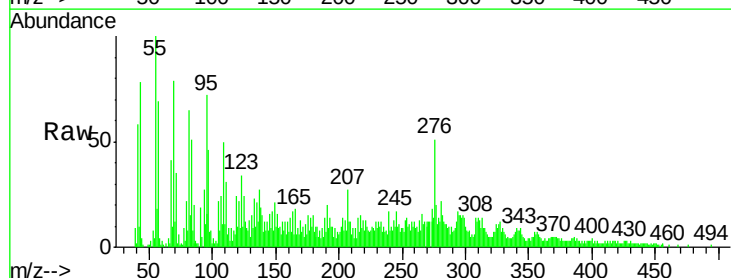
Tgt Ion:276 Resp: 23314

Ion Ratio Lower Upper

276 100

277 40.1 19.4 29.2#

138 36.6 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

