

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121561.D
 Acq On : 14 Sep 2020 15:30
 Operator : JU/CG
 Sample : L3993-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-10-17

Quant Time: Sep 14 16:52:02 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

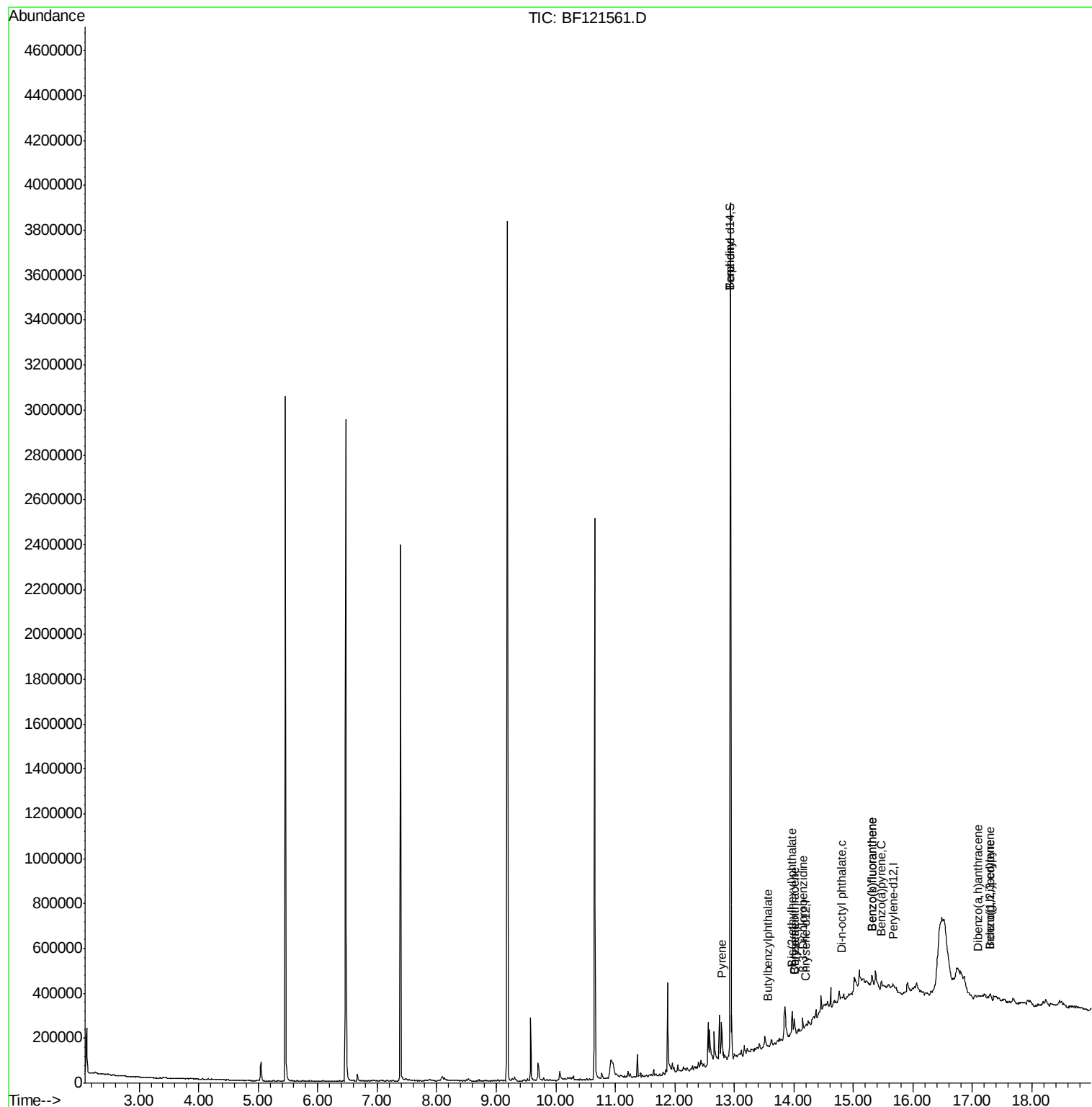
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.83
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.12
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.87
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.35
76) Chrysene-d12	14.19	240	147	20.00	ng	0.20
86) Perylene-d12	15.66	264	1539	20.00	ng	0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	836844	0.00	ng	0.01
7) Phenol-d6	6.47	99	1074820	0.00	ng	0.01
23) Nitrobenzene-d5	7.39	82	704681	0.00	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	308353	0.00	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1254340	0.00	ng	0.00
79) Terphenyl-d14	12.93	244	1251651	172498.18	ng	0.00
Target Compounds						
77) Benzidine	12.93	184	17326	3555.256	ng	Qvalue # 90
78) Pyrene	12.79	202	61960	5768.945	ng	98
80) Butylbenzylphthalate	13.56	149	165	37.986	ng	# 55
81) Benzo(a)anthracene	14.01	228	29998	3225.609	ng	98
82) 3,3'-Dichlorobenzidine	14.15	252	215	59.217	ng	# 1
83) Chrysene	14.01	228	29998	3185.375	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	14184	2444.316	ng	96
85) Di-n-octyl phthalate	14.80	149	2899	283.081	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.30	276	17603	175.636	ng	95
88) Benzo(b)fluoranthene	15.32	252	17382	168.948	ng	# 64
89) Benzo(k)fluoranthene	15.32	252	17382	184.493	ng	# 64
90) Benzo(a)pyrene	15.47	252	6849	78.315	ng	# 9
91) Dibenzo(a,h)anthracene	17.10	278	2339	28.035	ng	# 16
92) Benzo(a,h,i)perylene	17.30	276	16118	196.538	ng	96

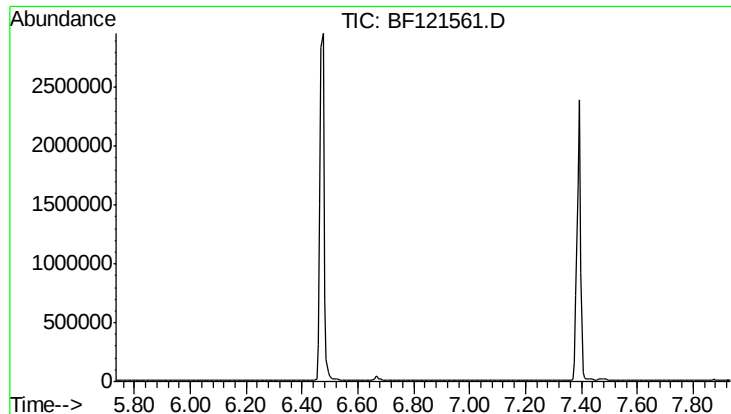
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 6.83 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

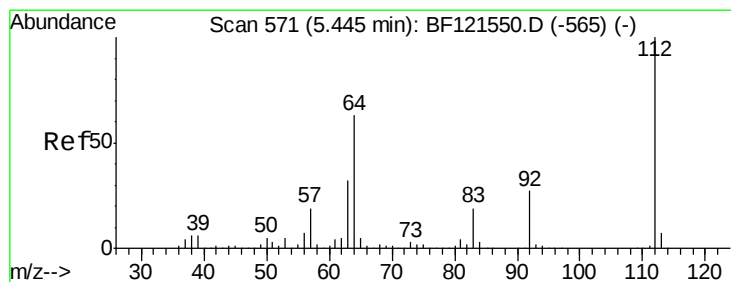
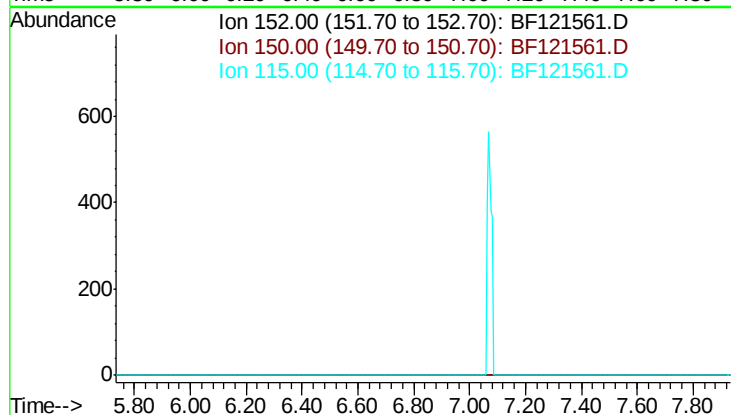
Tot Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 59.8



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

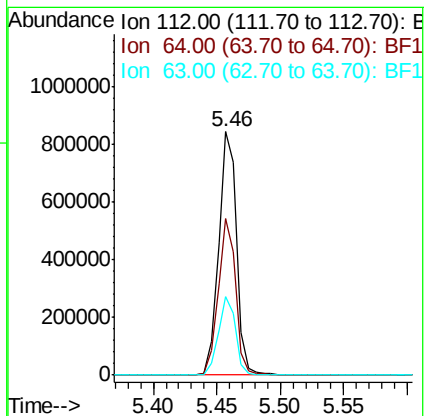
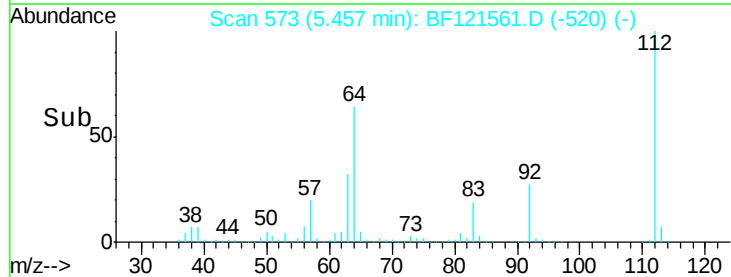
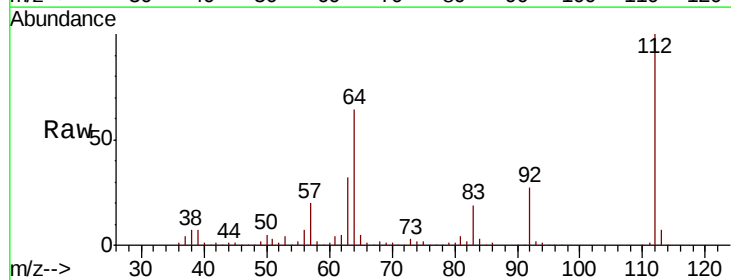
Tgt Ion:112 Resp: 836844

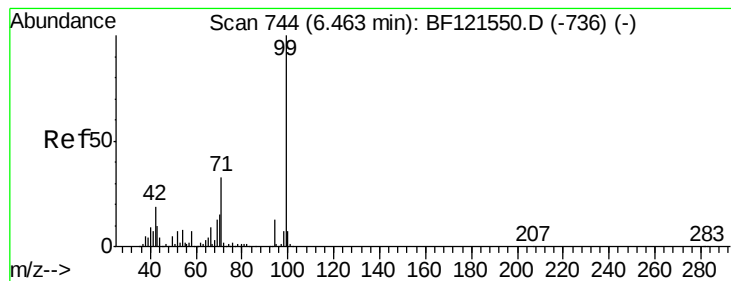
Ion Ratio Lower Upper

112 100

64 64.1 50.3 75.5

63 32.0 25.6 38.4





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

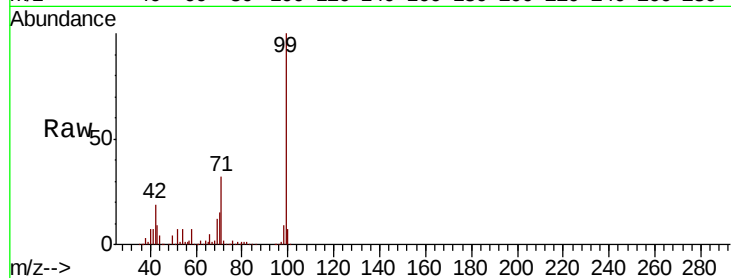
Tot Ion: 99 Resp: 1074820

Ion Ratio Lower Upper

99 100

42 18.8 15.5 23.3

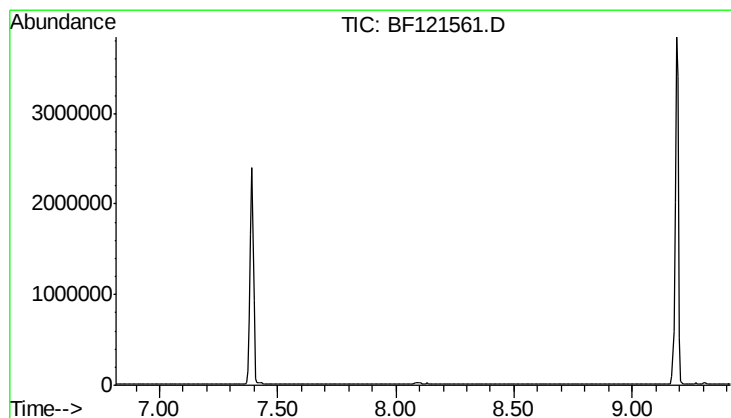
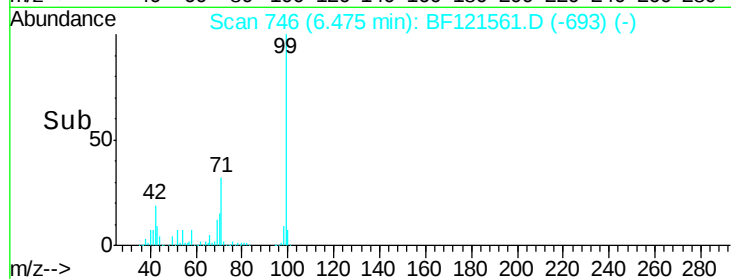
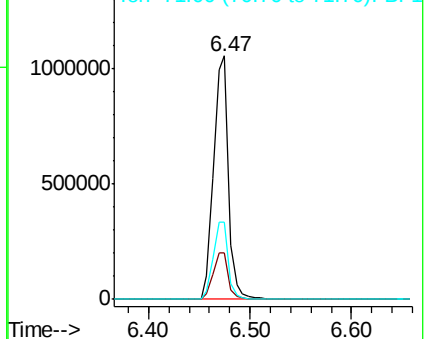
71 31.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 8.12 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Tgt Ion: 136

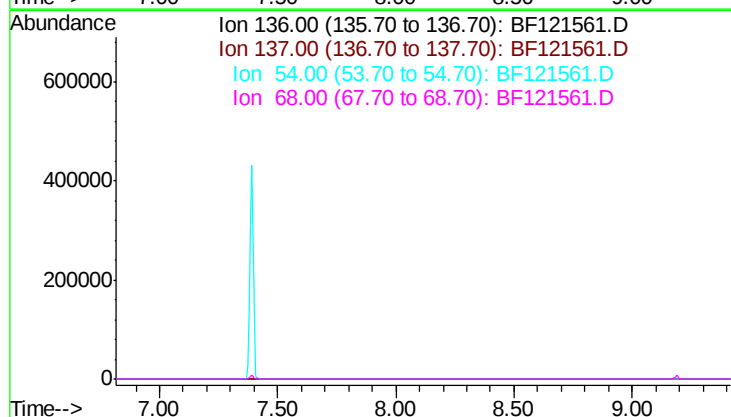
Sig Exp Ratio

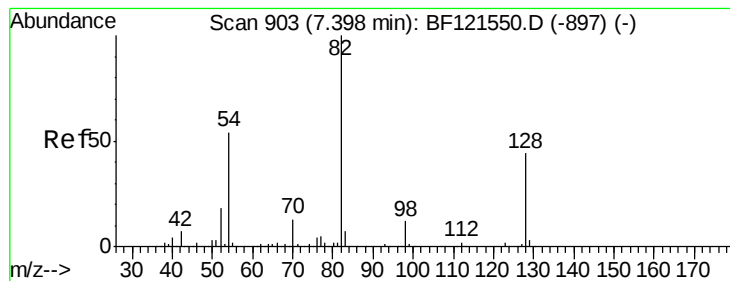
136 100

137 11.3

54 9.5

68 7.1





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

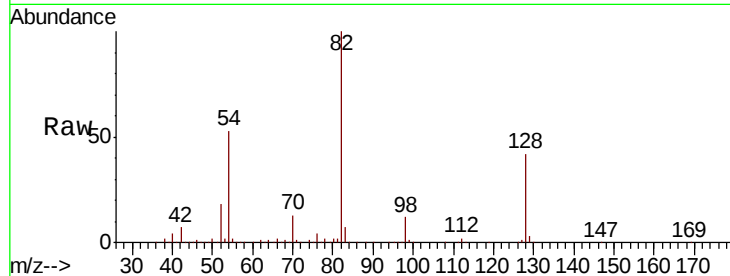
Tot Ion: 82 Resp: 704681

Ion Ratio Lower Upper

82 100

128 42.4 35.1 52.7

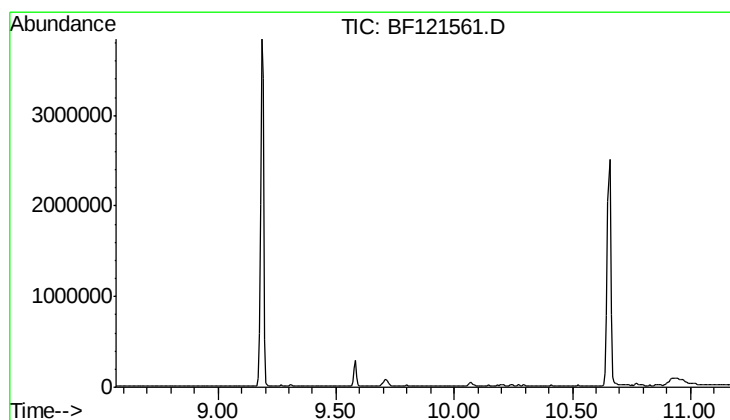
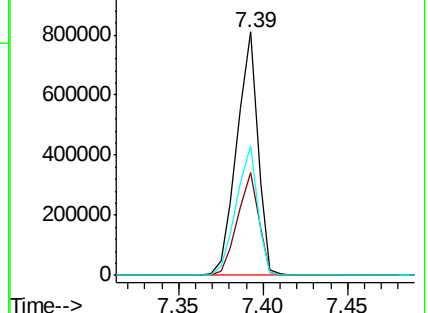
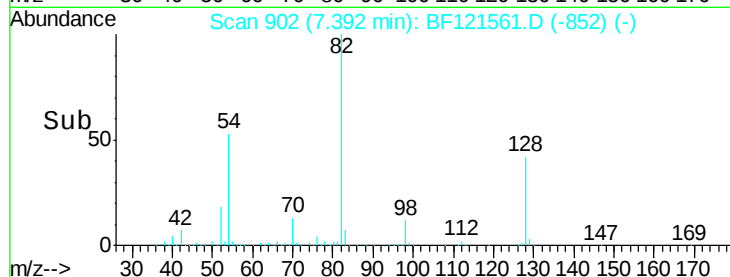
54 53.2 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.87 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

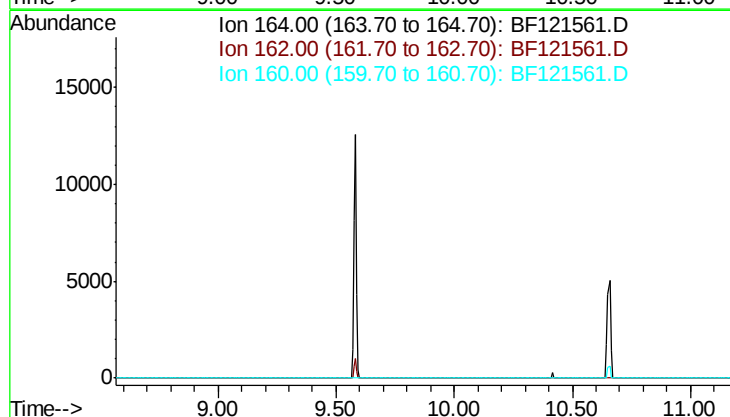
Tgt Ion: 164

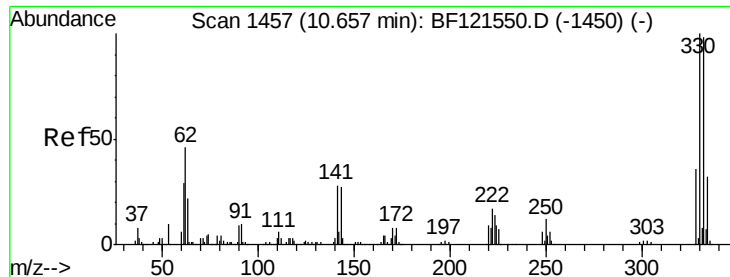
Sig Exp Ratio

164 100

162 102.9

160 46.2

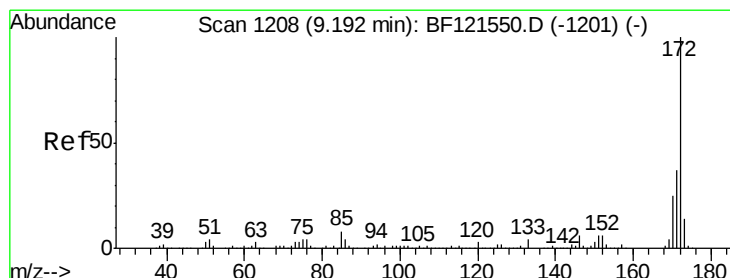
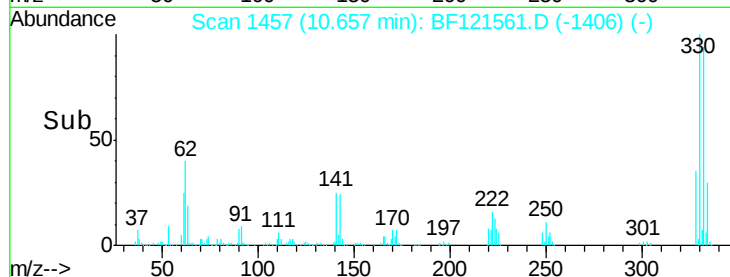
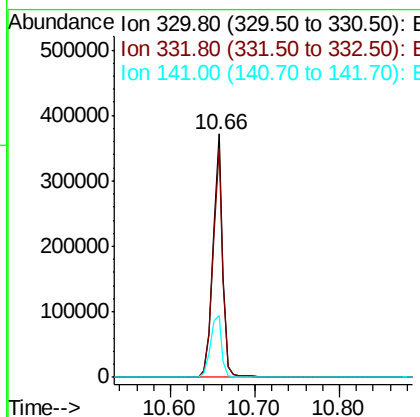
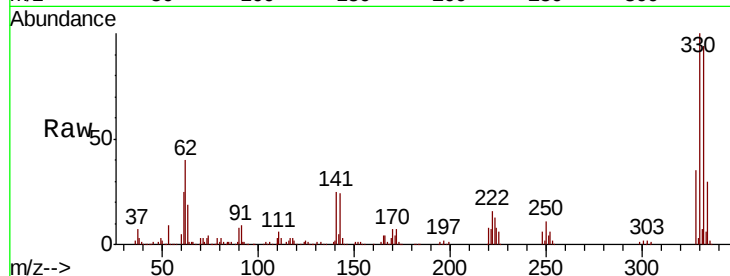




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

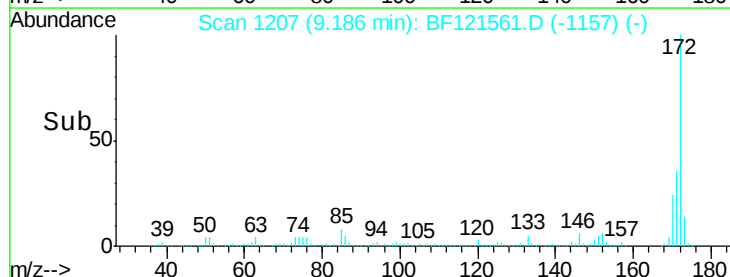
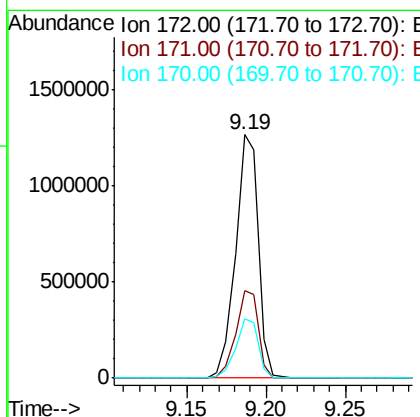
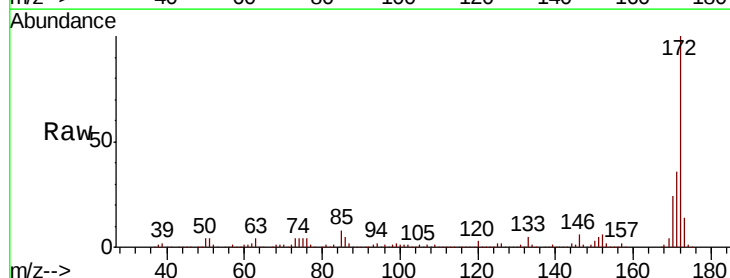
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-10-17

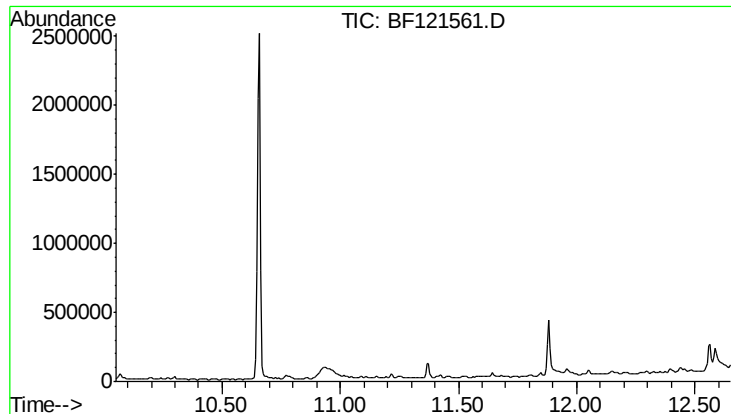
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	29.9	23.6	35.4



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.6
170	24.2	19.8	29.8





#64

Phenanthrene-d10

Concen: 0.000 ng

Expected RT: 11.35 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

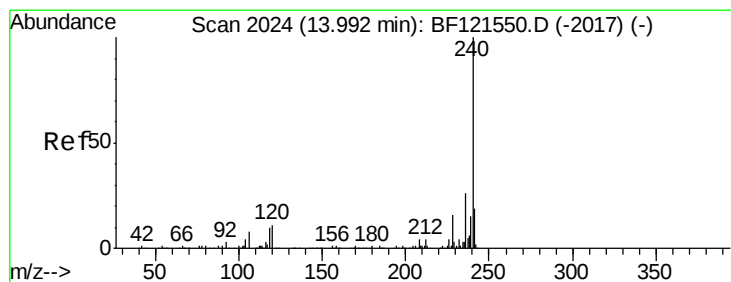
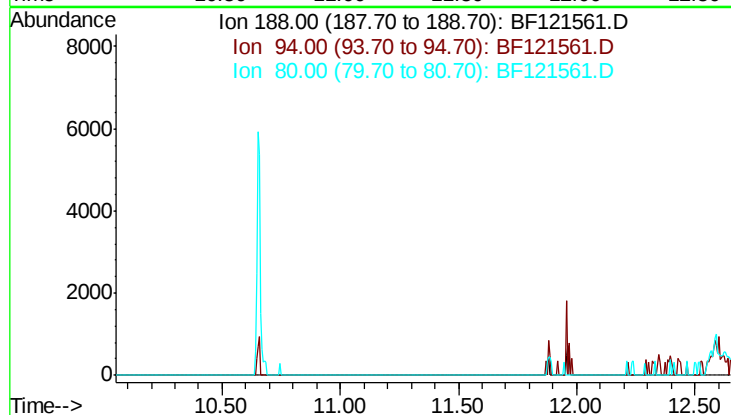
Tot Ion: 188

Sig Exp Ratio

188 100

94 10.9

80 11.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.20 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

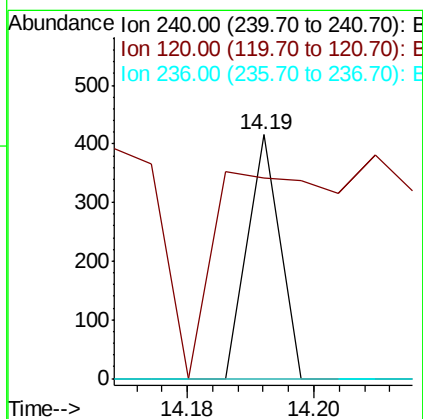
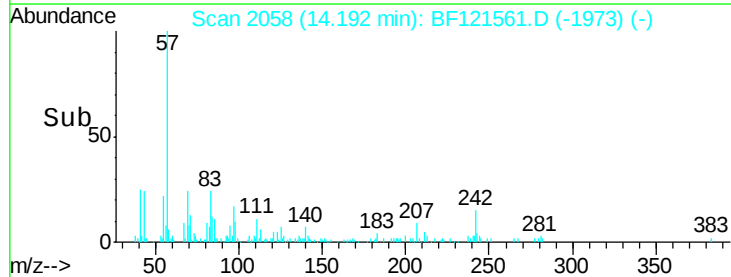
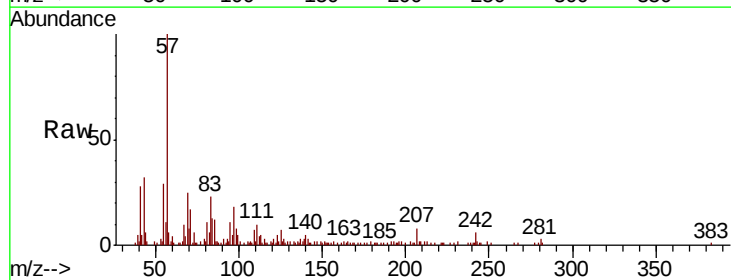
Tgt Ion: 240 Resp: 147

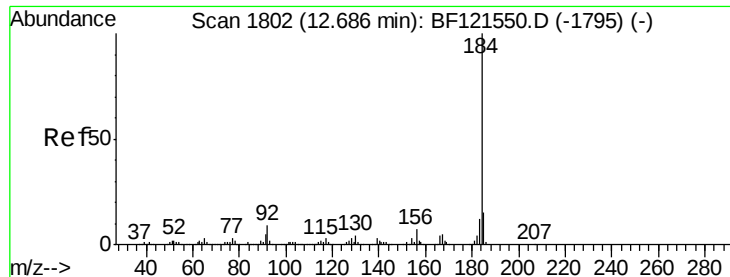
Ion Ratio Lower Upper

240 100

120 82.2 9.2 13.8#

236 0.0 20.5 30.7#





#77

Benzidine

Concen: 3555.256 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.25 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

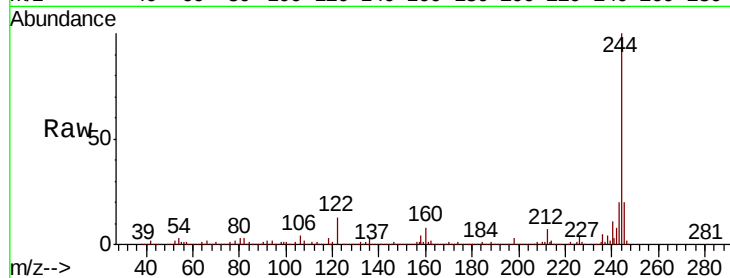
Tot Ion:184 Resp: 17326

Ion Ratio Lower Upper

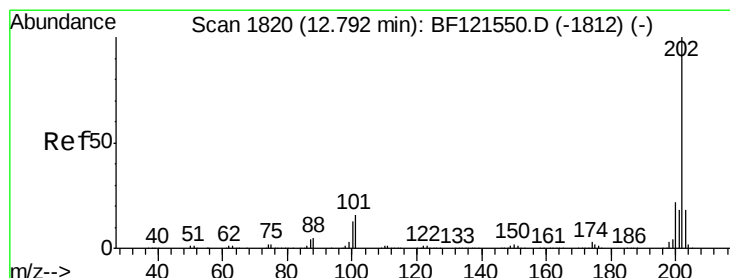
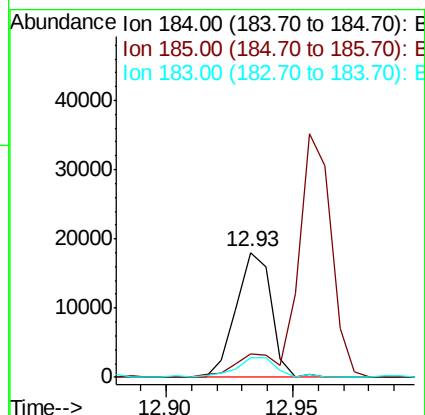
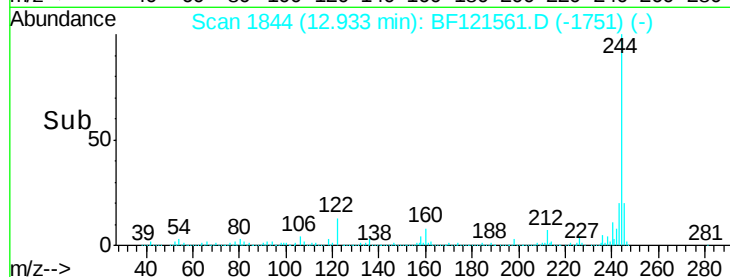
184 100

185 19.0 12.0 18.0#

183 15.5 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5768.945 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

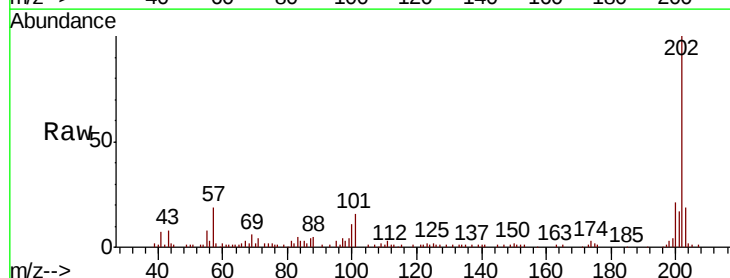
Tgt Ion:202 Resp: 61960

Ion Ratio Lower Upper

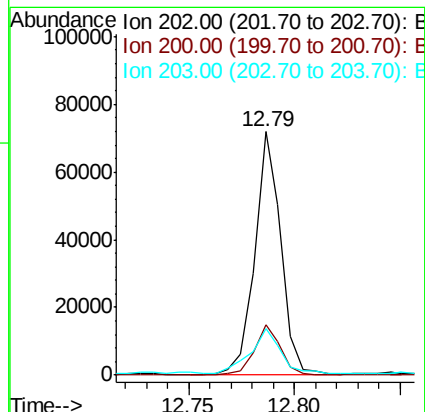
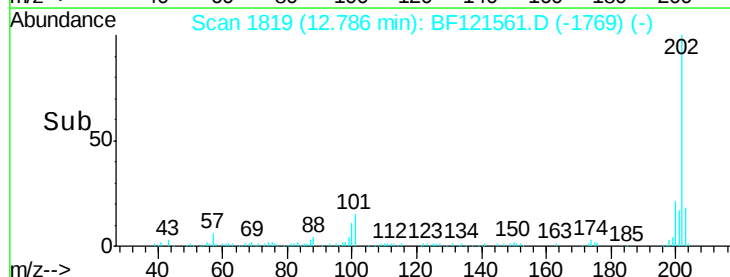
202 100

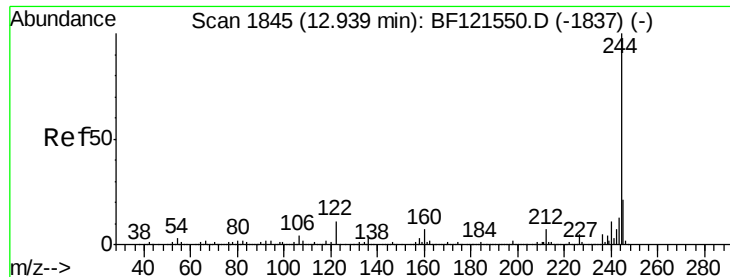
200 20.7 17.8 26.8

203 19.0 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 172498.177 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

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ClientSampleId :

PAV-B38-091120-10-17

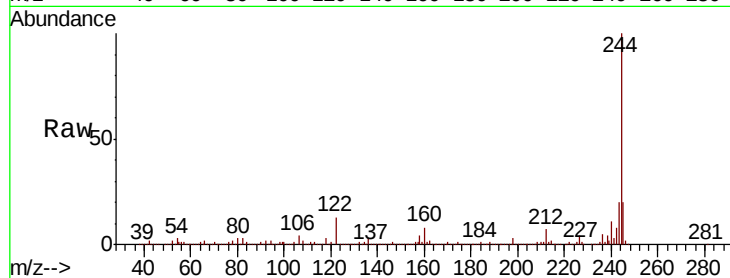
Tot Ion:244 Resp: 1251651

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

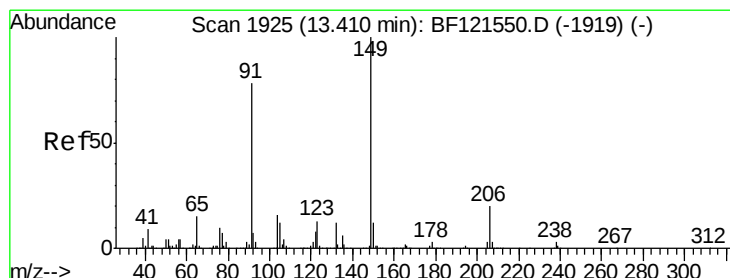
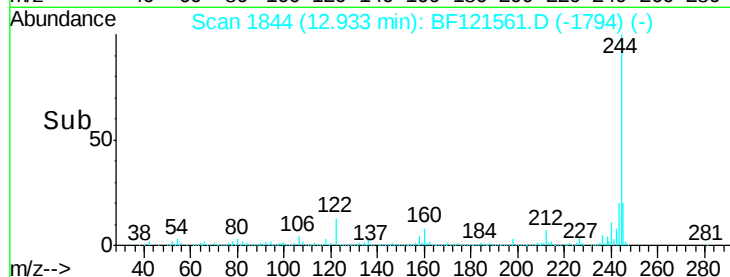
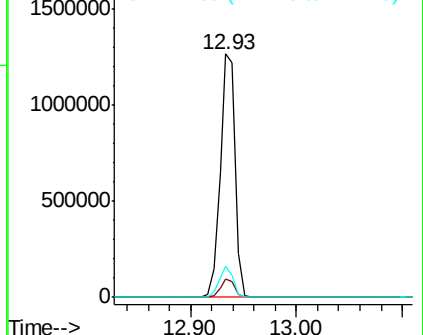
122 13.0 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 37.986 ng

RT: 13.56 min Scan# 1951

Delta R.T. 0.15 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

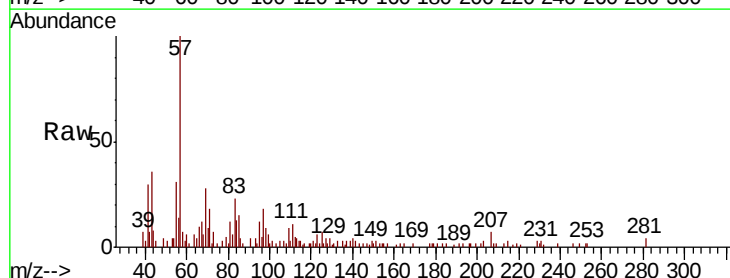
Tgt Ion:149 Resp: 165

Ion Ratio Lower Upper

149 100

91 117.9 62.6 94.0#

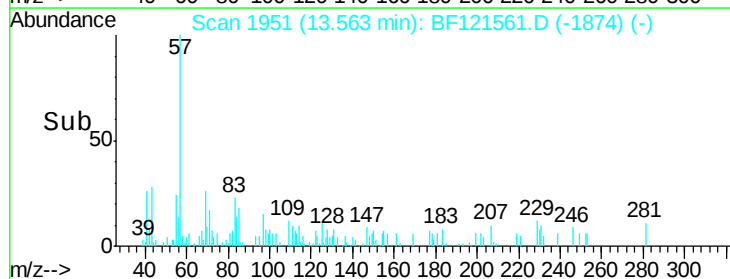
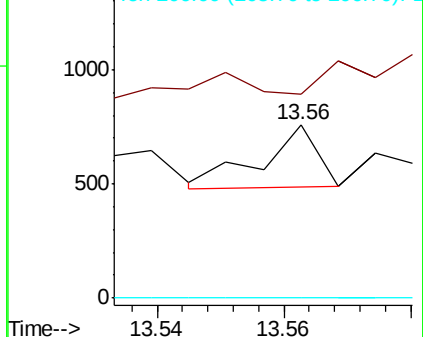
206 0.0 15.8 23.6#

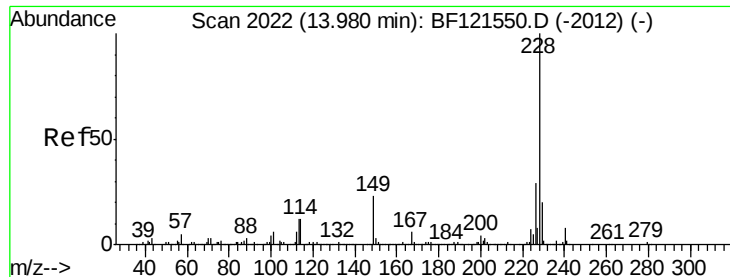


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3225.609 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.03 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

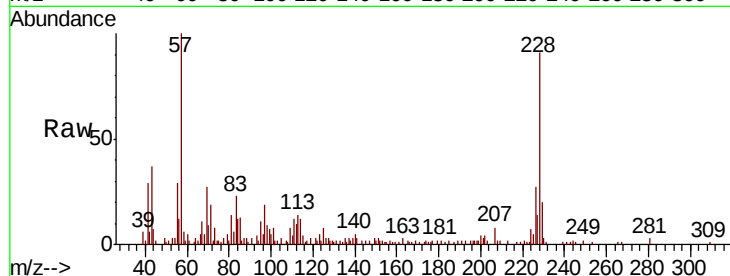
Tot Ion:228 Resp: 29998

Ion Ratio Lower Upper

228 100

226 29.1 22.9 34.3

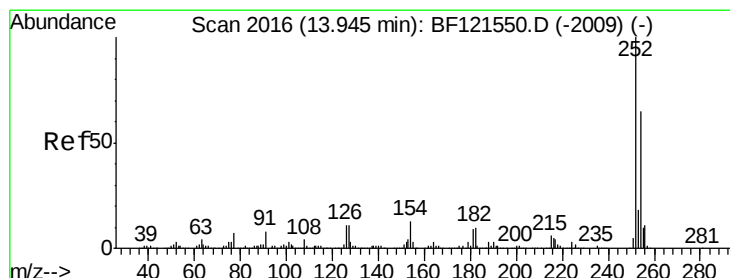
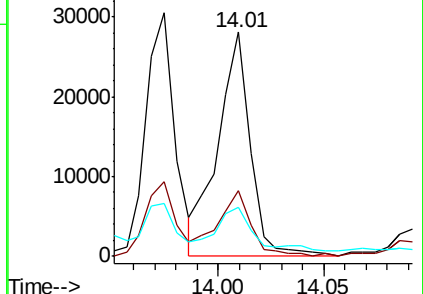
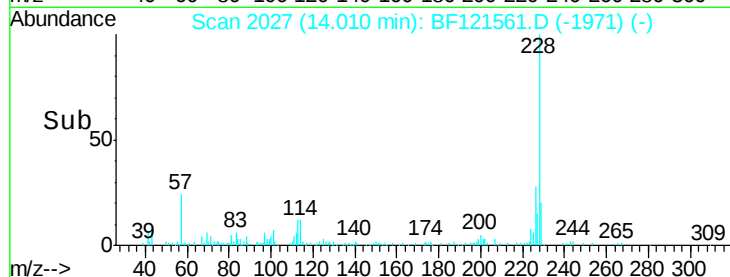
229 22.0 16.3 24.5



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



#82

3,3'-Dichlorobenzidine

Concen: 59.217 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.21 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

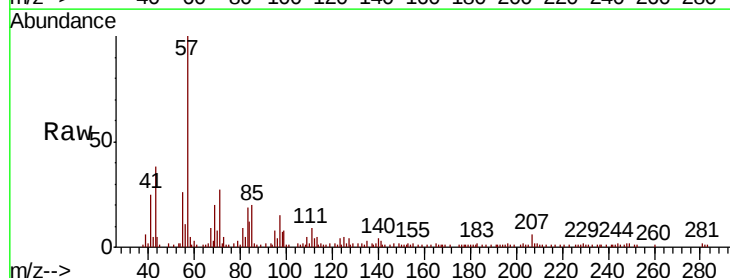
Tgt Ion:252 Resp: 215

Ion Ratio Lower Upper

252 100

254 0.0 52.3 78.5#

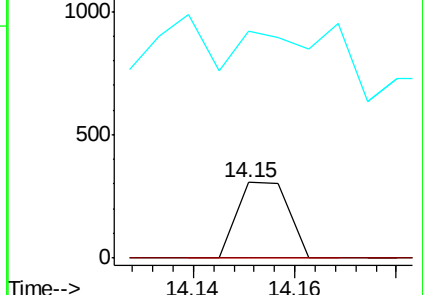
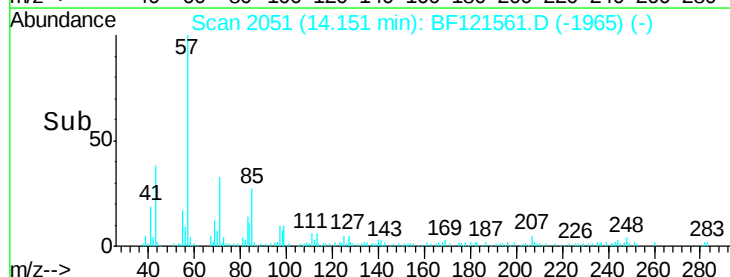
126 301.3 9.1 13.7#

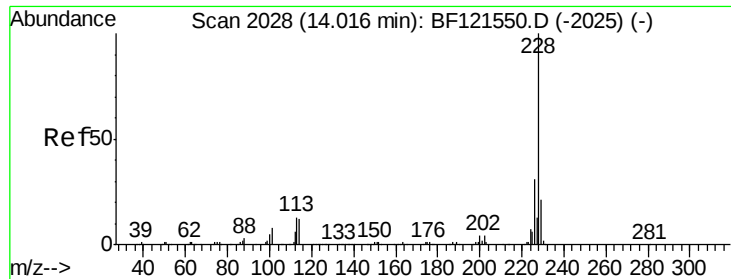


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

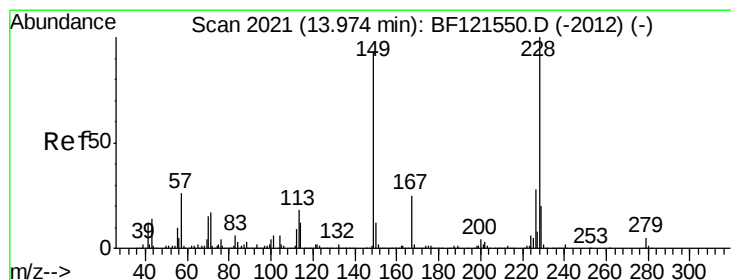
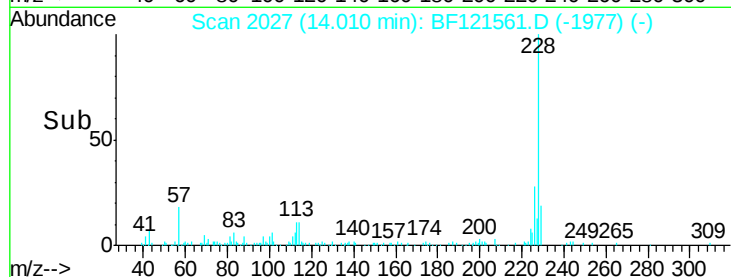
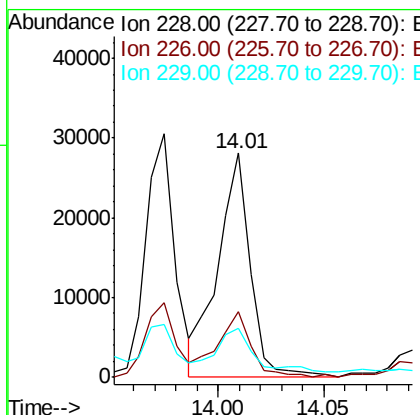
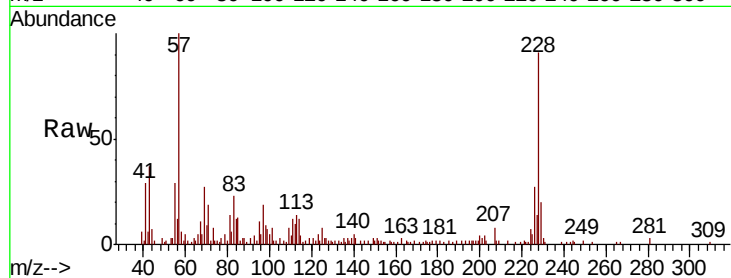




#83
 Chrysene
 Concen: 3185.375 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

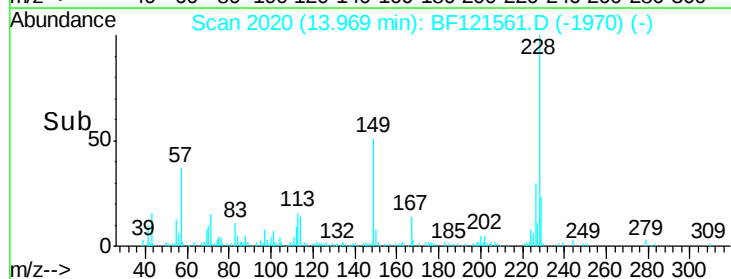
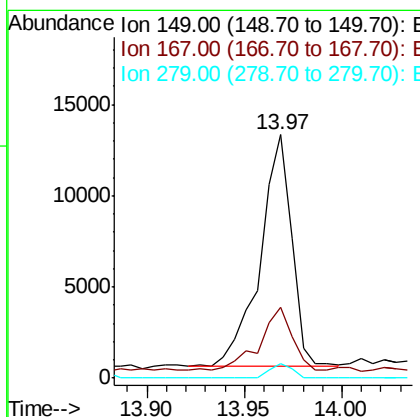
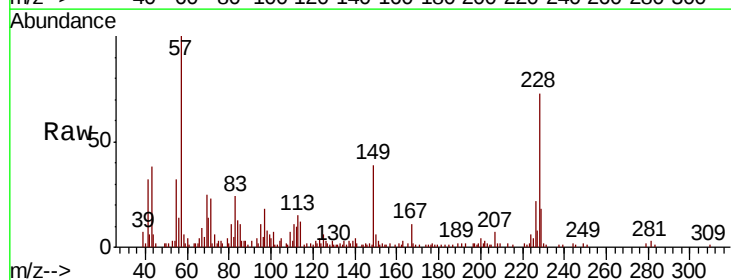
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-10-17

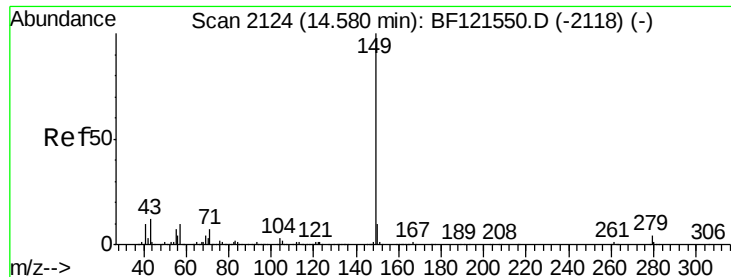
Tot Ion:228	Resp:	29998
Ion	Ratio	Lower Upper
228	100	
226	29.1	25.1 37.7
229	22.0	16.6 25.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2444.316 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

Tgt Ion:149	Resp:	14184
Ion	Ratio	Lower Upper
149	100	
167	29.3	21.6 32.4
279	5.9	4.1 6.1





#85

Di-n-octyl phthalate

Concen: 283.081 ng

RT: 14.80 min Scan# 2161

Delta R.T. 0.22 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

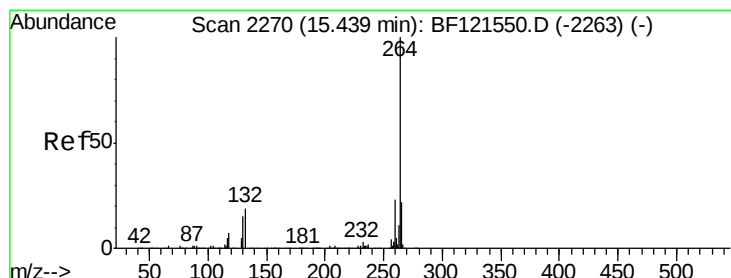
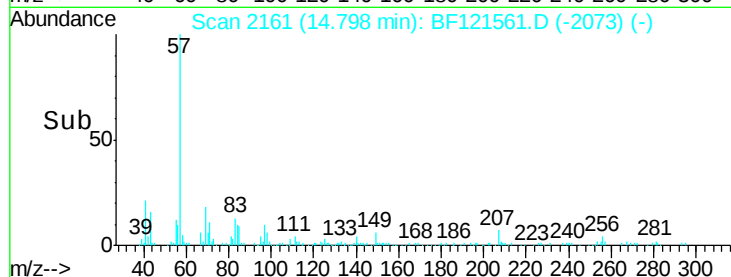
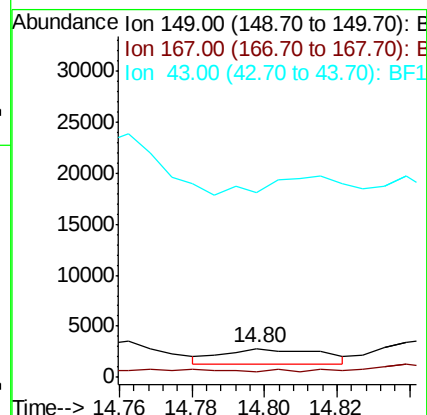
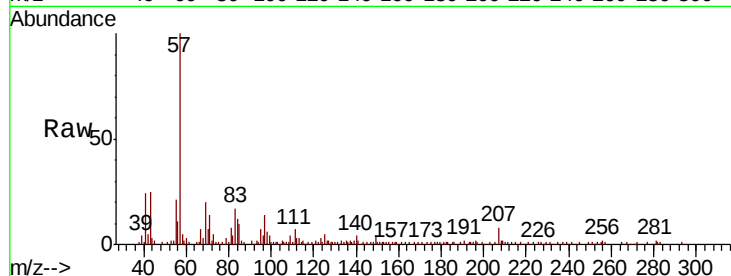
Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

Tot Ion:149	Resp:	2899
Ion Ratio	Lower	Upper
149	100	
167	0.0	1.2 1.8#
43	63.0	9.4 14.0#



#86

Perylene-d12

Concen: 20.000 ng

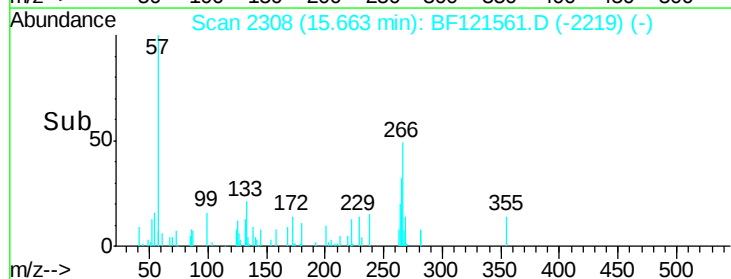
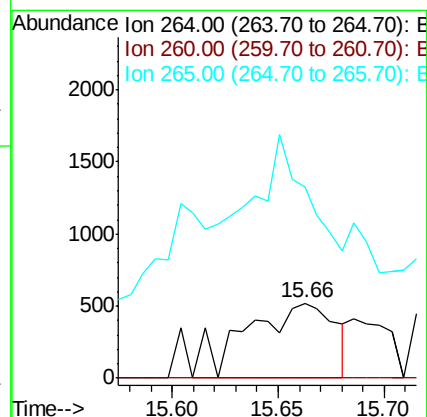
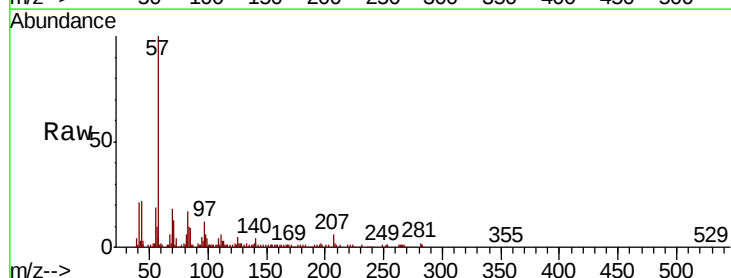
RT: 15.66 min Scan# 2308

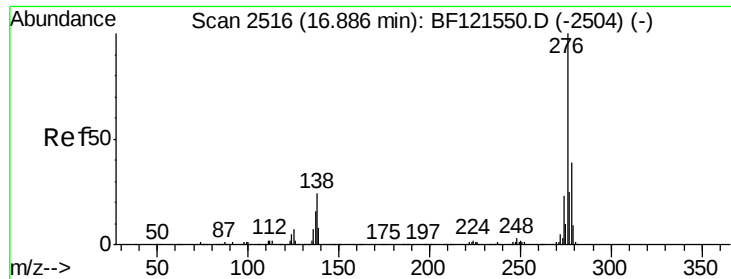
Delta R.T. 0.22 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Tgt Ion:264	Resp:	1539
Ion Ratio	Lower	Upper
264	100	
260	0.0	18.8 28.2#
265	254.8	17.8 26.6#

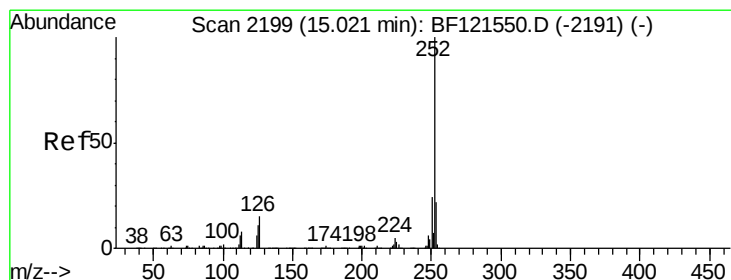
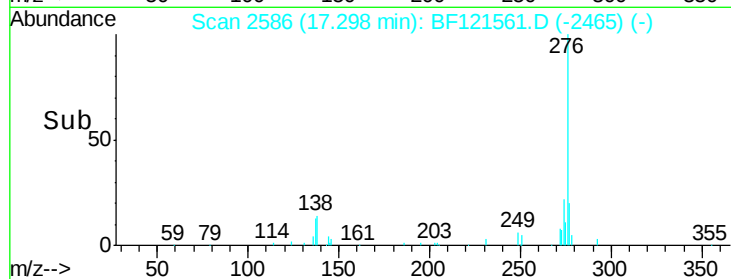
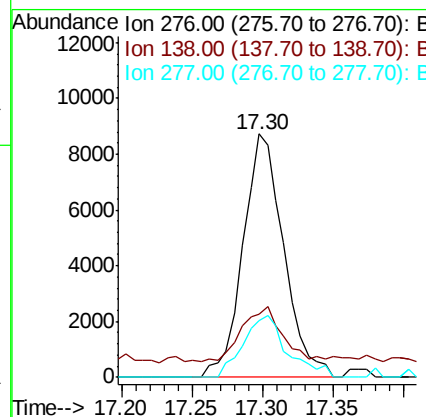
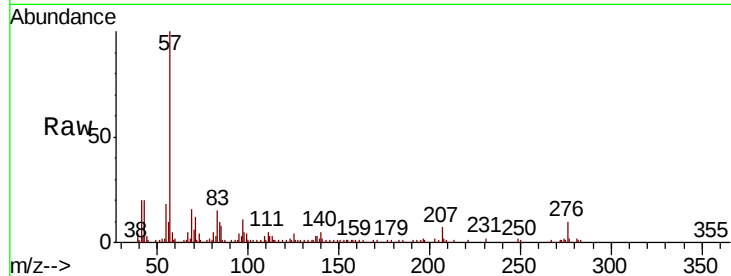




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 175.636 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.41 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

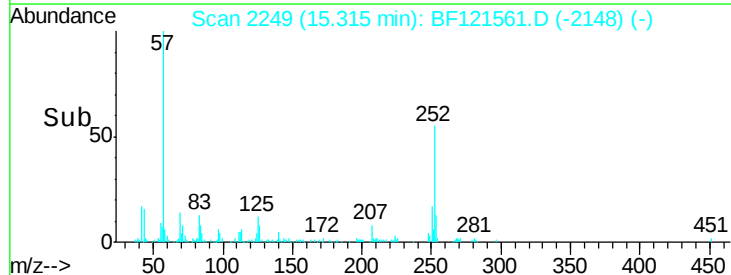
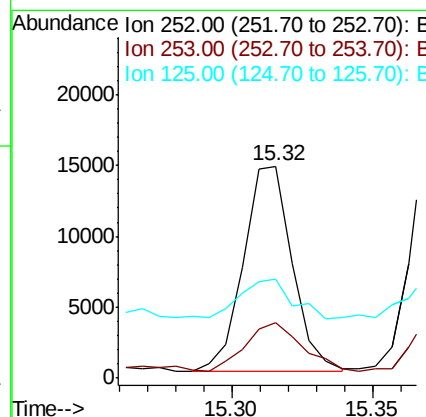
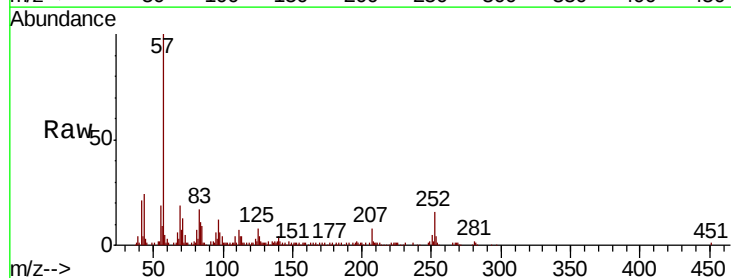
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B38-091120-10-17

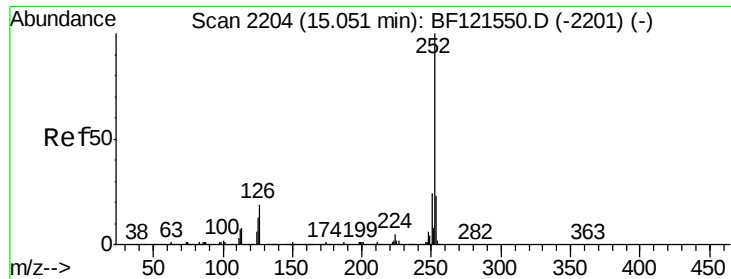
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	22.6	20.6	31.0	
277	27.6	20.2	30.4	



#88
 Benzo(b)fluoranthene
 Concen: 168.948 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.29 min
 Lab File: BF121561.D
 Acq: 14 Sep 2020 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	26.0	17.9	26.9	
125	46.5	9.2	13.8#	





#89

Benzo(k)fluoranthene

Concen: 184.493 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.26 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

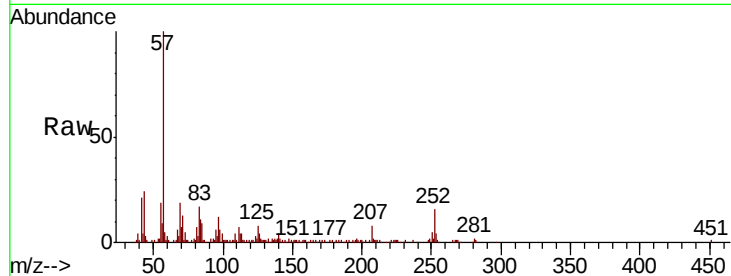
Tot Ion:252 Resp: 17382

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

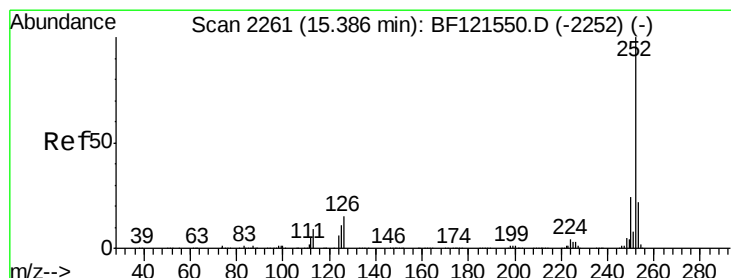
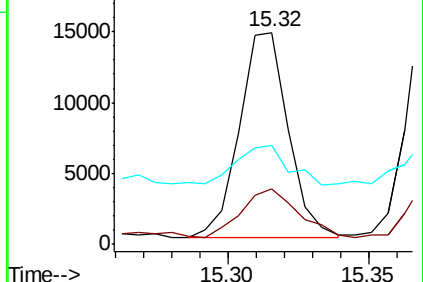
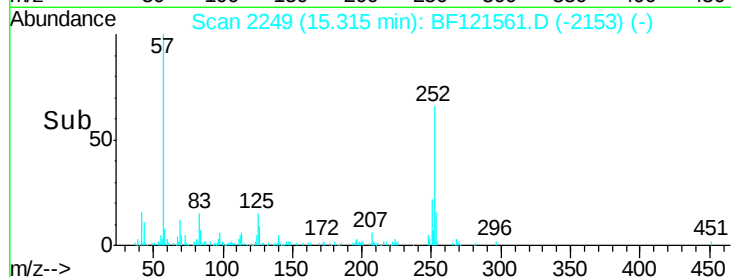
125 46.5 9.8 14.6#



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



#90

Benzo(a)pyrene

Concen: 78.315 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.08 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

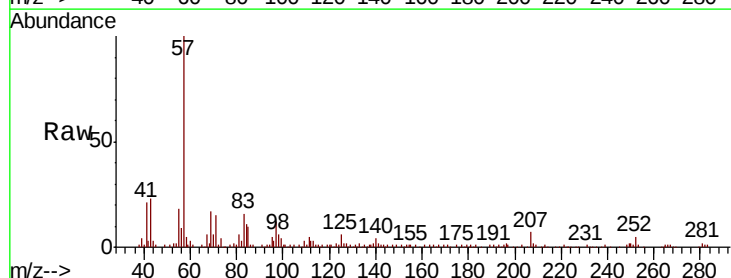
Tgt Ion:252 Resp: 6849

Ion Ratio Lower Upper

252 100

253 27.2 17.5 26.3#

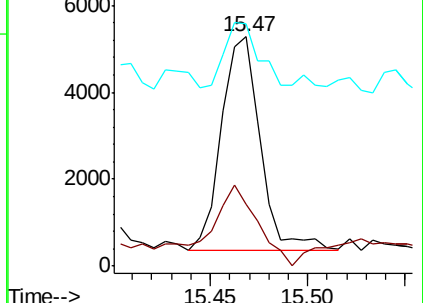
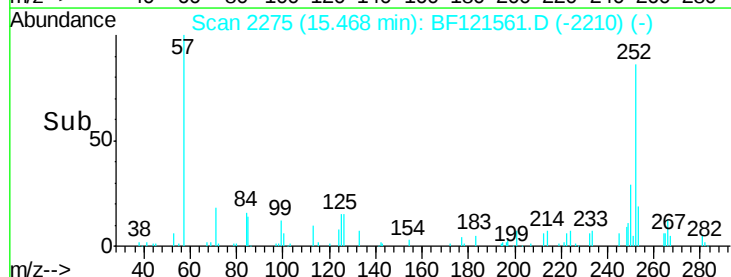
125 105.5 9.0 13.4#

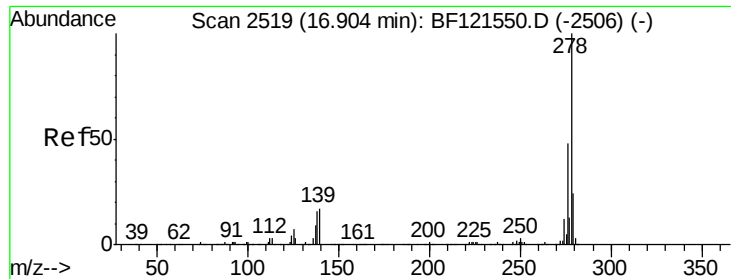


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 28.035 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.20 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Instrument :

BNA_F

ClientSampleId :

PAV-B38-091120-10-17

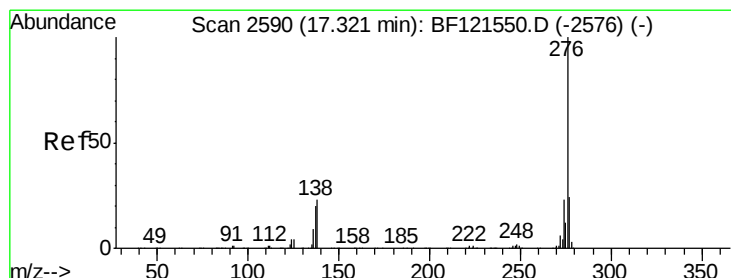
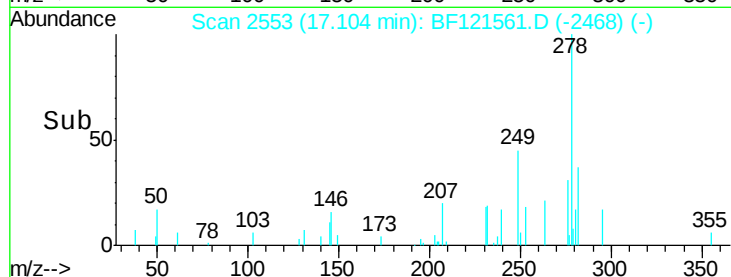
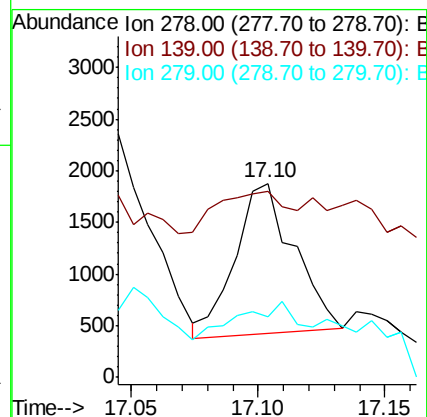
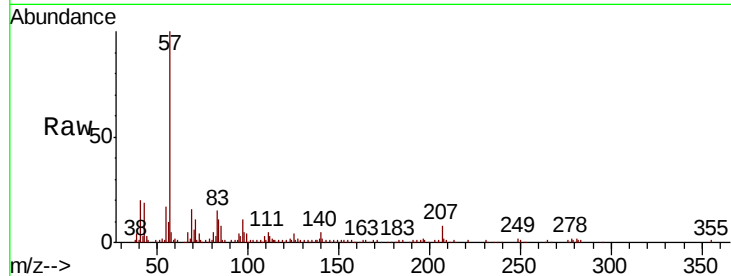
Tot Ion:278 Resp: 2339

Ion Ratio Lower Upper

278 100

139 96.0 13.9 20.9#

279 31.0 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 196.538 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.02 min

Lab File: BF121561.D

Acq: 14 Sep 2020 15:30

Tgt Ion:276 Resp: 16118

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 26.1 18.7 28.1

