

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121867.D
 Acq On : 7 Oct 2020 11:47
 Operator : JU/CG
 Sample : L4190-11 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

Quant Time: Oct 07 12:11:44 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	131818	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	523733	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	267625	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	470501	20.00	ng	0.00
76) Chrysene-d12	13.92	240	303310	20.00	ng	-0.01
86) Perylene-d12	15.37	264	293209	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	326987	36.86	ng	0.00
7) Phenol-d6	6.40	99	425592	36.57	ng	-0.01
23) Nitrobenzene-d5	7.32	82	281485	28.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	96407	28.98	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	512271	28.99	ng	-0.01
79) Terphenyl-d14	12.87	244	440898	29.45	ng	-0.01

Target Compounds

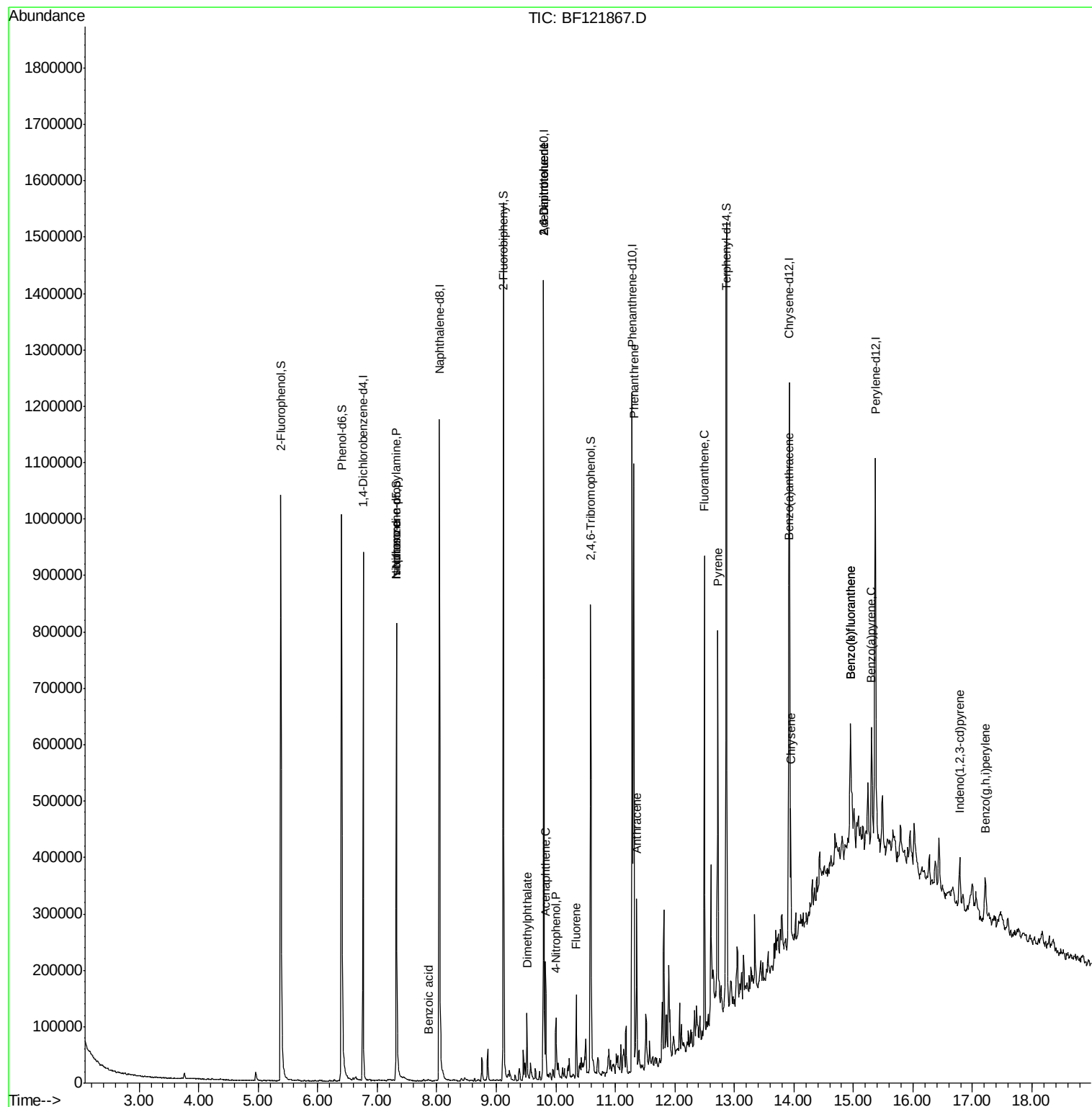
						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	37527	5.596	ng	# 82
25) Isophorone	7.32	82	281482	14.335	ng	# 67
32) Benzoic acid	7.86	122	846	7.046	ng	# 23
50) Dimethylphthalate	9.52	163	44700	2.304	ng	100
51) 2,6-Dinitrotoluene	9.80	165	35669	8.635	ng	# 21
52) Acenaphthene	9.83	154	39306	2.399	ng	98
56) 4-Nitrophenol	10.00	139	12800	3.354	ng	# 12
57) 2,4-Dinitrotoluene	9.80	165	35669	6.863	ng	# 20
58) Fluorene	10.35	166	37478	2.124	ng	99
71) Phenanthrene	11.31	178	404933	15.796	ng	98
72) Anthracene	11.36	178	110806	4.189	ng	98
75) Fluoranthene	12.50	202	335695	12.267	ng	97
78) Pyrene	12.73	202	286613	12.933	ng	98
81) Benzo(a)anthracene	13.91	228	116262	6.059	ng	98
83) Chrysene	13.95	228	98325	5.060	ng	95
87) Indeno(1,2,3-cd)pyrene	16.79	276	51728	2.709	ng	96
88) Benzo(b)fluoranthene	14.95	252	141993	7.244	ng	# 96
89) Benzo(k)fluoranthene	14.95	252	141993	7.911	ng	# 95
90) Benzo(a)pyrene	15.30	252	84099	5.047	ng	# 92
92) Benzo(a,h,i)perylene	17.22	276	57604	3.687	ng	95

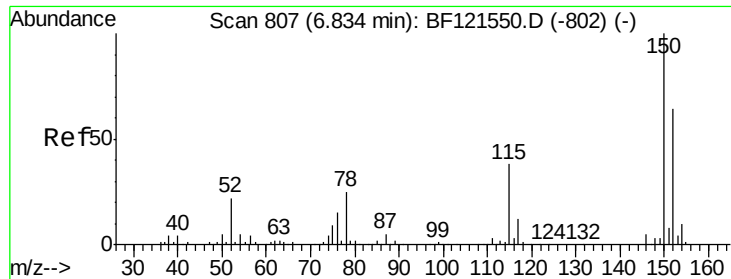
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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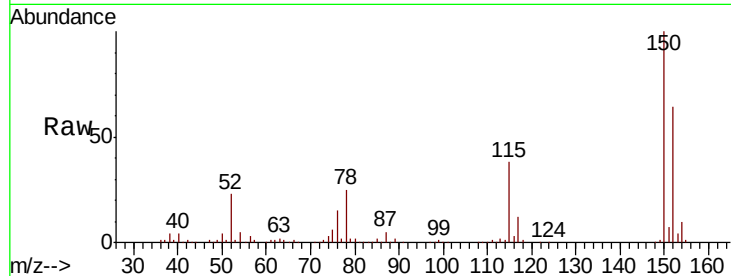


#1

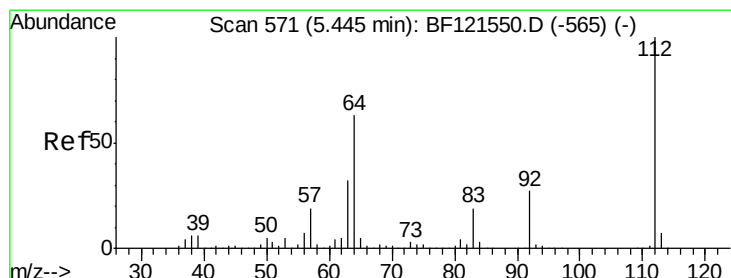
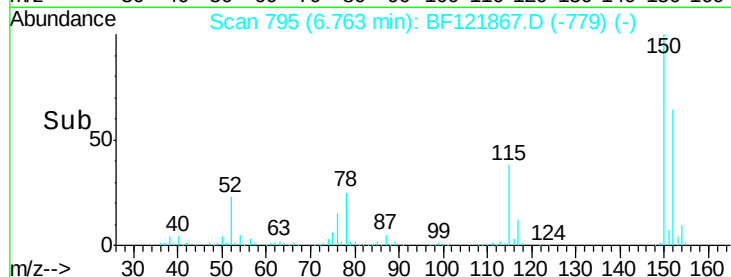
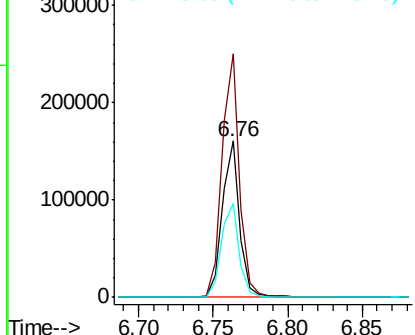
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion:152 Resp: 131818
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 59.8 51.9 77.9



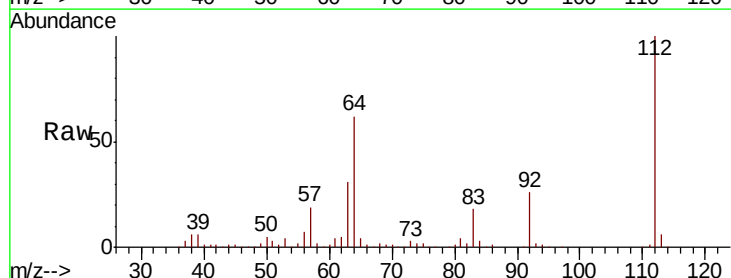
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



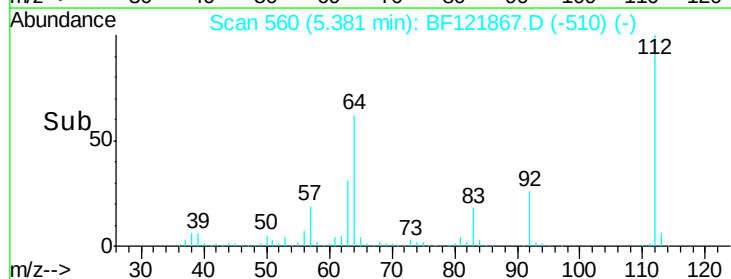
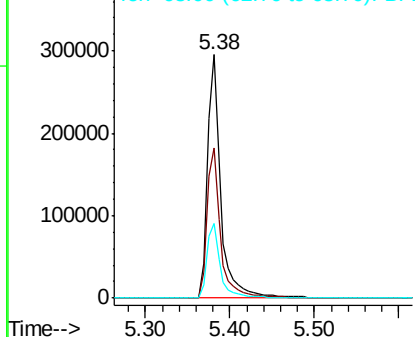
#5

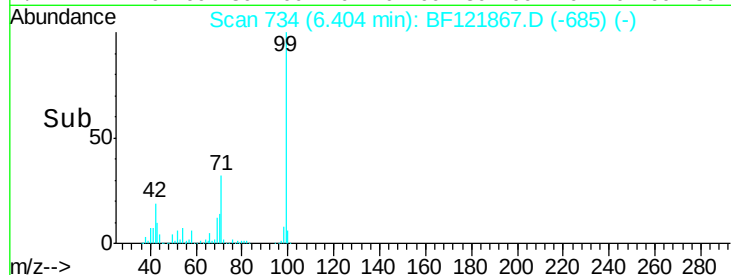
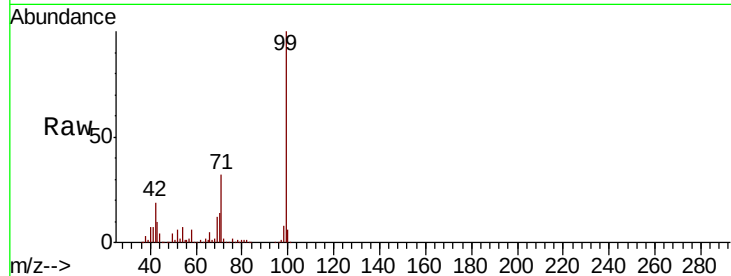
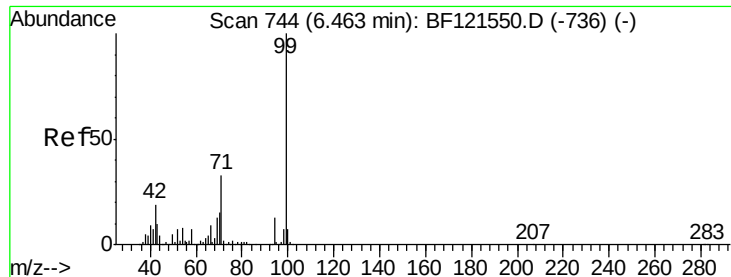
2-Fluorophenol
Concen: 36.865 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion:112 Resp: 326987
Ion Ratio Lower Upper
112 100
64 61.7 50.4 75.6
63 30.5 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: 36.573 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-0-10

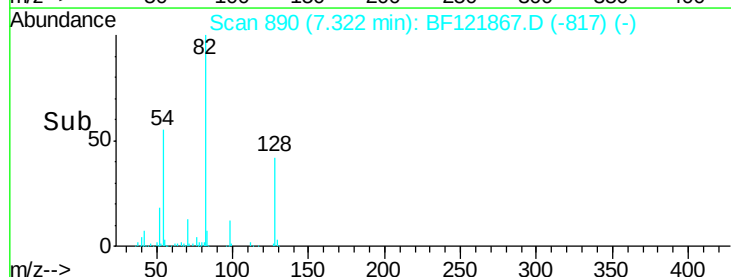
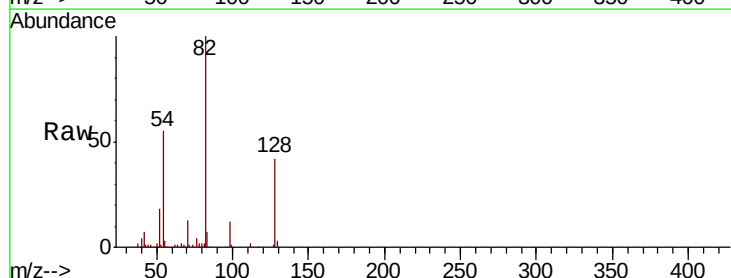
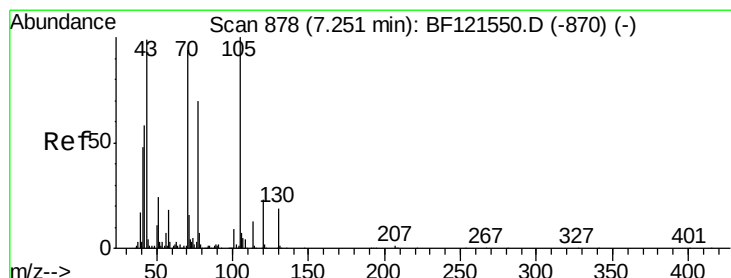
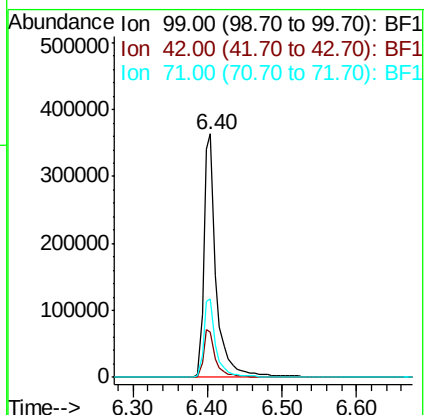
Tot Ion: 99 Resp: 425592

Ion Ratio Lower Upper

99 100

42 18.5 15.9 23.9

71 32.1 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.596 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Tgt Ion: 70 Resp: 37527

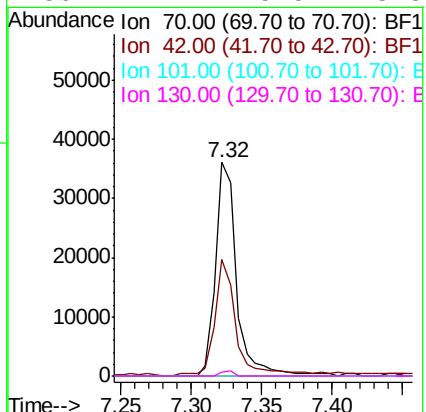
Ion Ratio Lower Upper

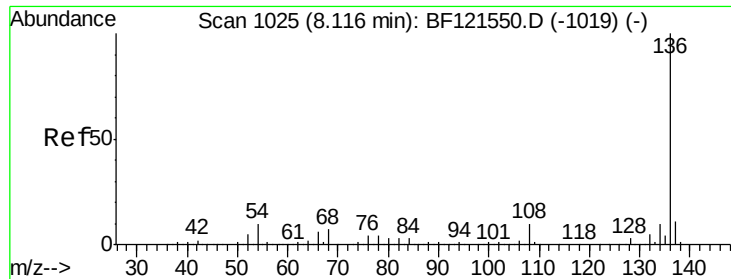
70 100

42 54.7 50.2 75.4

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

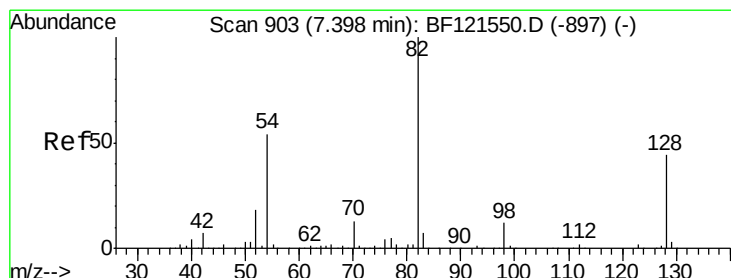
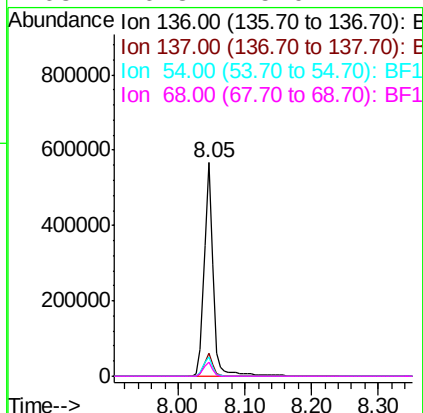
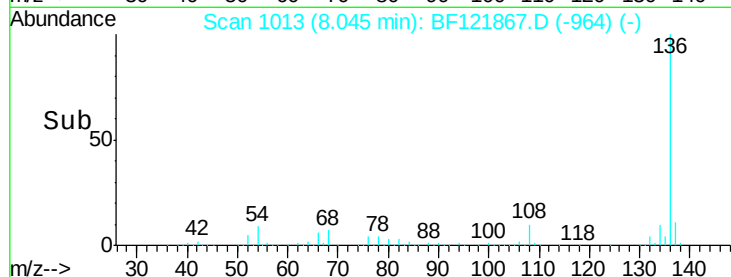
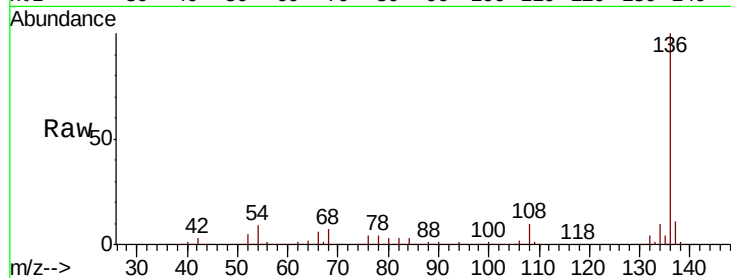




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

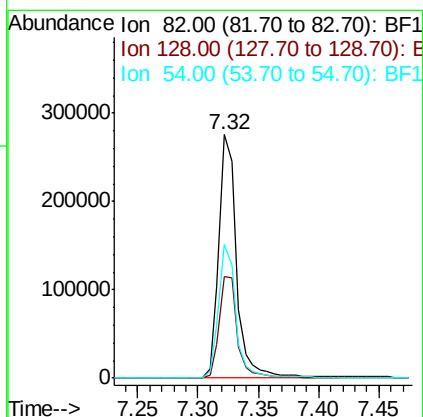
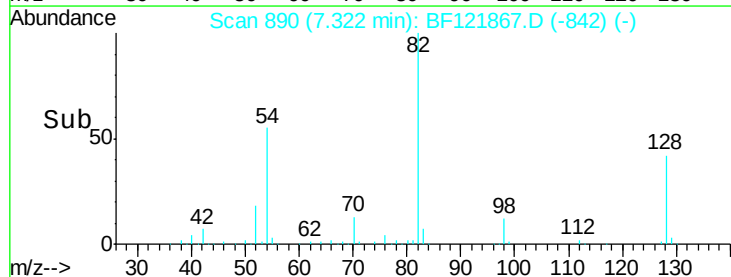
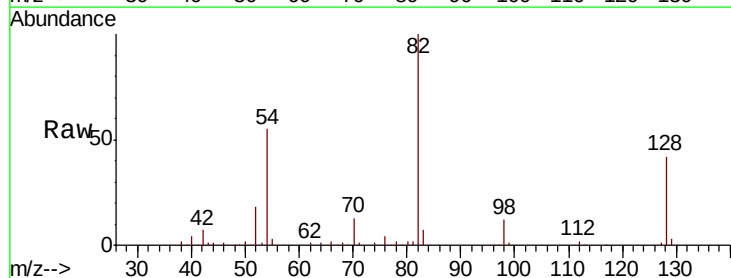
Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

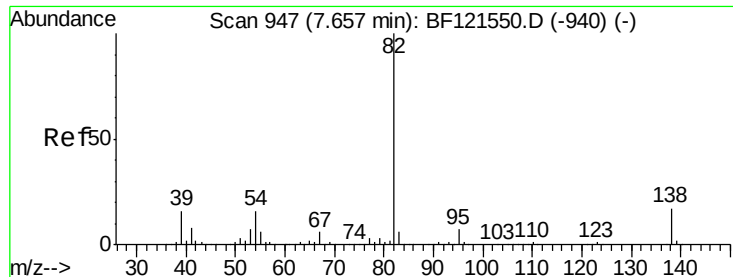
Tot Ion:136	Resp:	523733
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	9.1	7.1 10.7
68	6.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 28.857 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion: 82	Resp:	281485
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.0 52.4
54	54.7	43.9 65.9

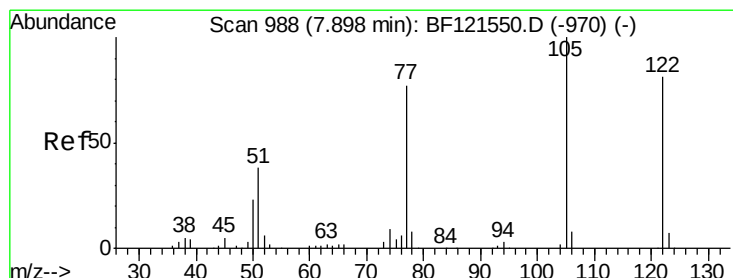
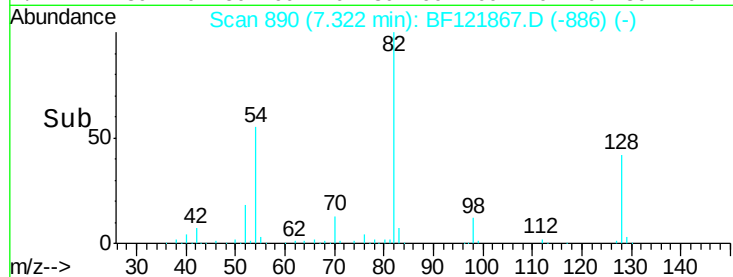
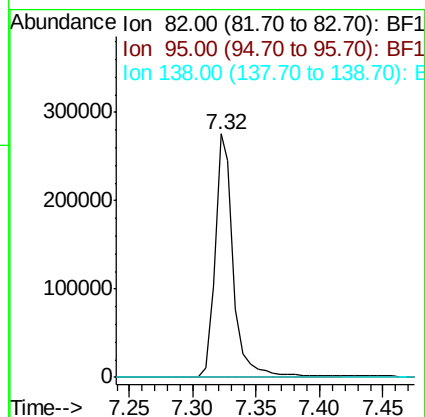
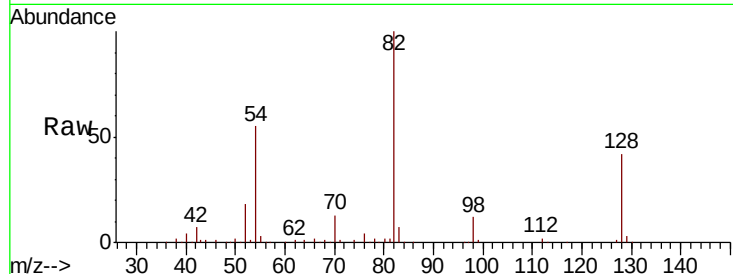




#25
Isophorone
Concen: 14.335 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.28 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

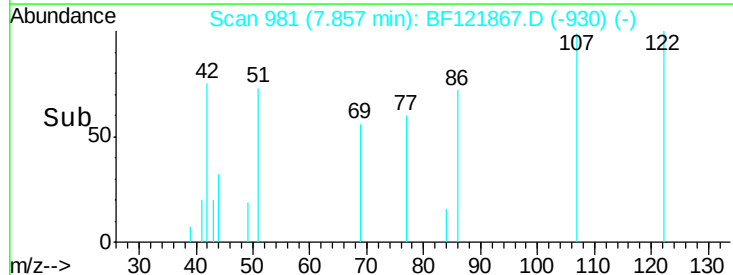
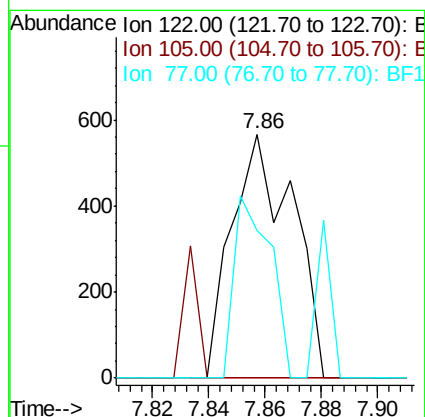
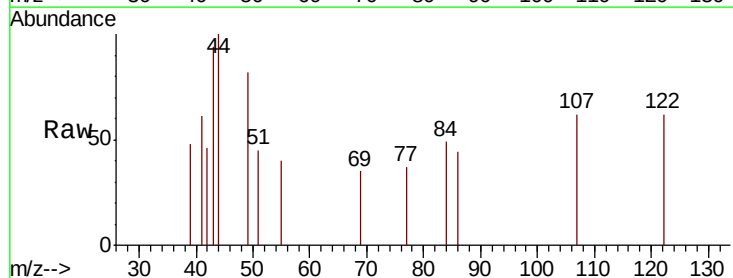
Instrument :
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ClientSampleId :
PAV-B18-092920-0-10

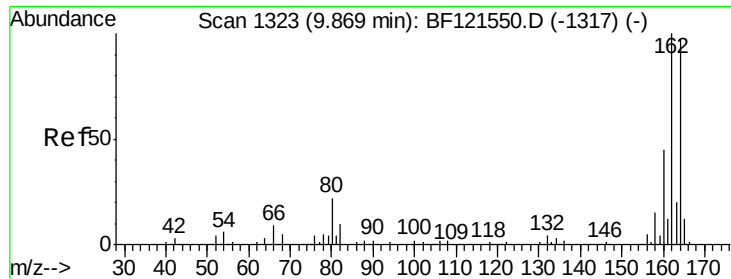
Tot Ion: 82 Resp: 281482
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.046 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion: 122 Resp: 846
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 60.4 73.9 113.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-0-10

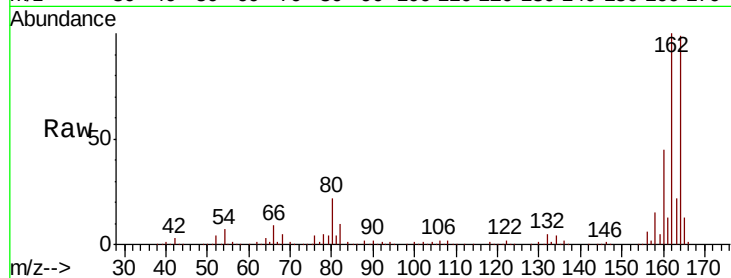
Tot Ion:164 Resp: 267625

Ion Ratio Lower Upper

164 100

162 100.6 83.2 124.8

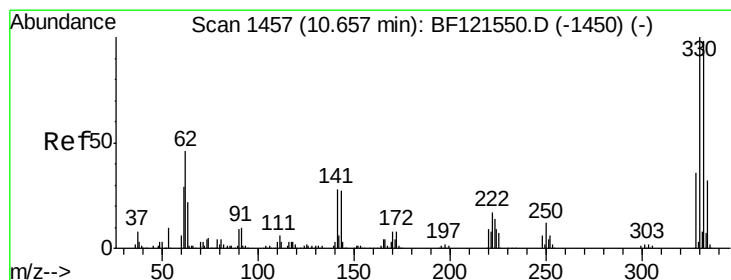
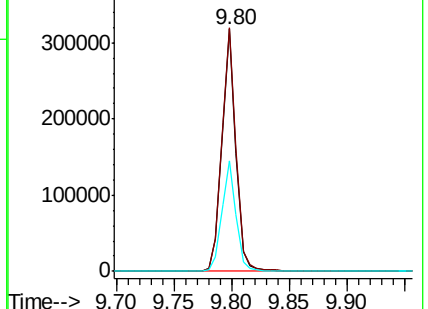
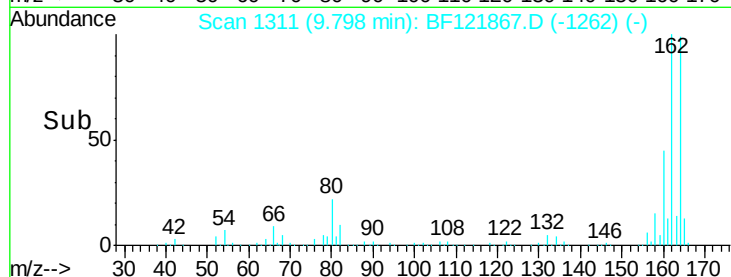
160 45.7 37.5 56.3



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: 28.984 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

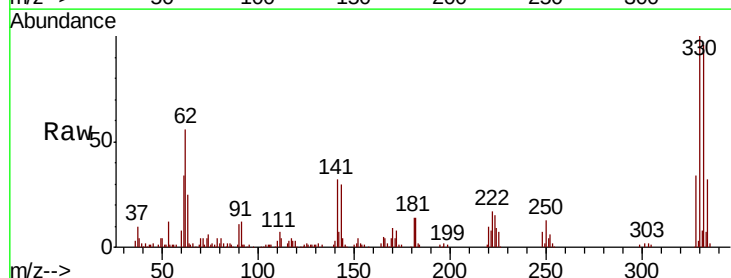
Tgt Ion:330 Resp: 96407

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

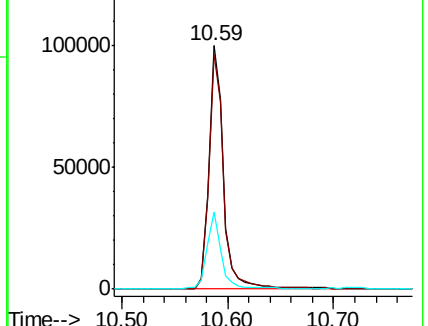
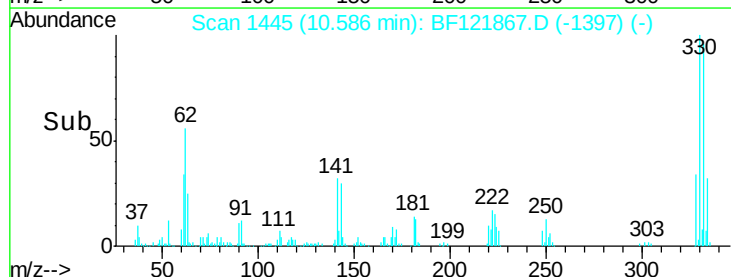
141 31.8 22.3 33.5

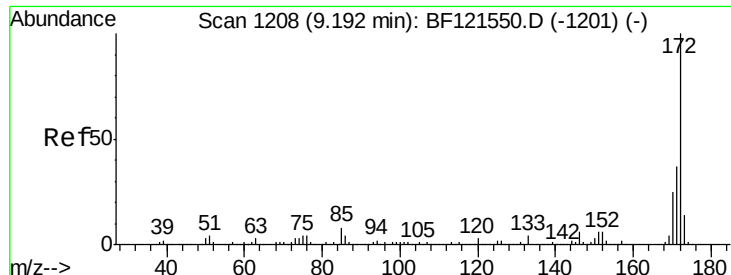


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

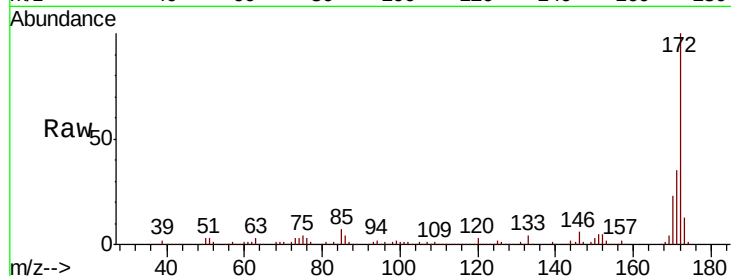




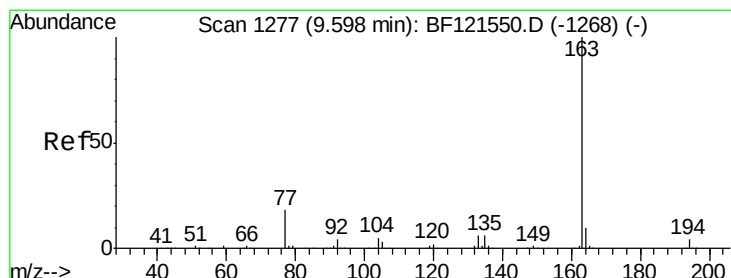
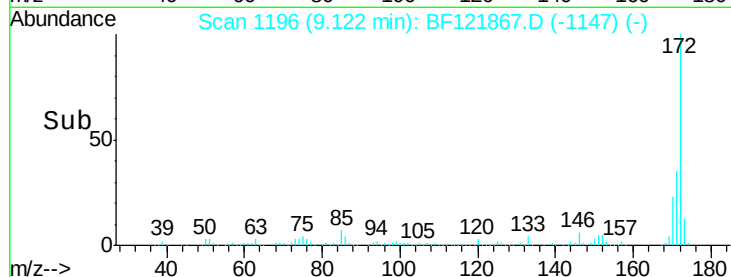
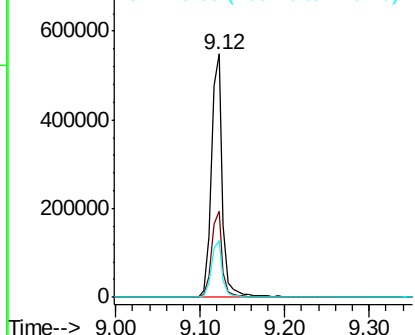
#45
2-Fluorobiphenyl
Concen: 28.990 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

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Tot Ion:172 Resp: 512271
Ion Ratio Lower Upper
172 100
171 35.1 29.1 43.7
170 23.4 19.8 29.6

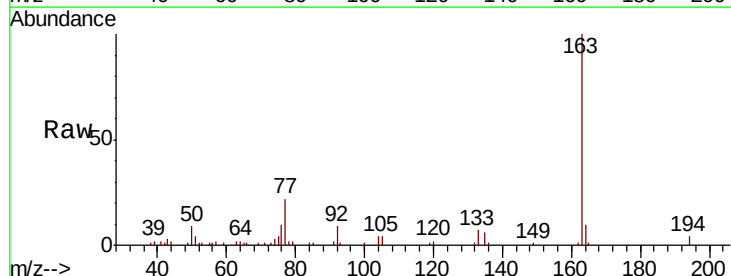


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

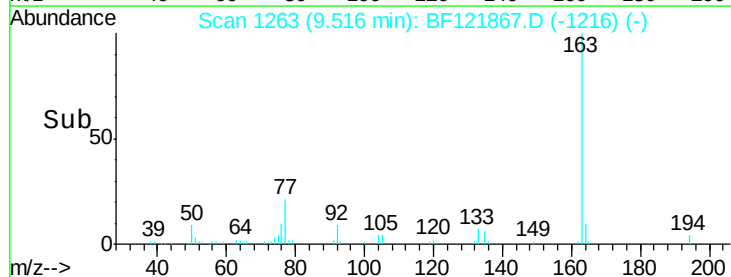
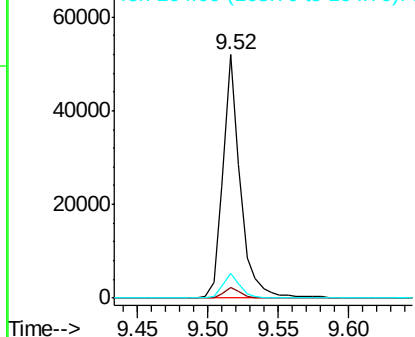


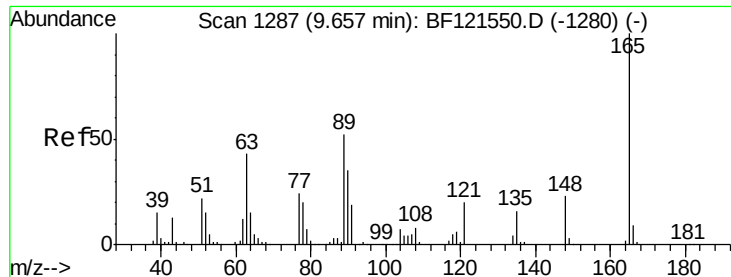
#50
Dimethylphthalate
Concen: 2.304 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion:163 Resp: 44700
Ion Ratio Lower Upper
163 100
194 4.2 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

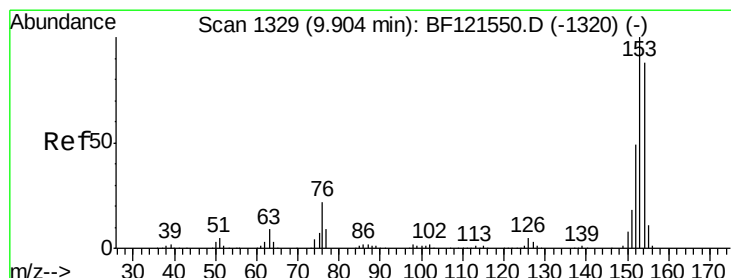
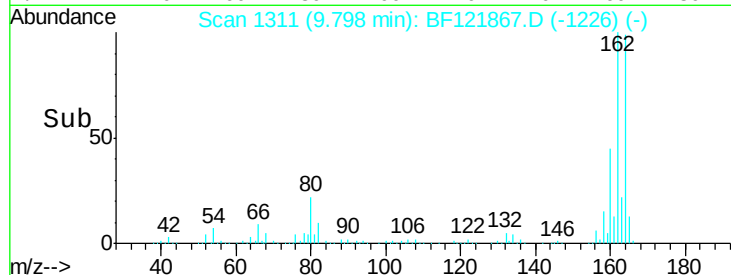
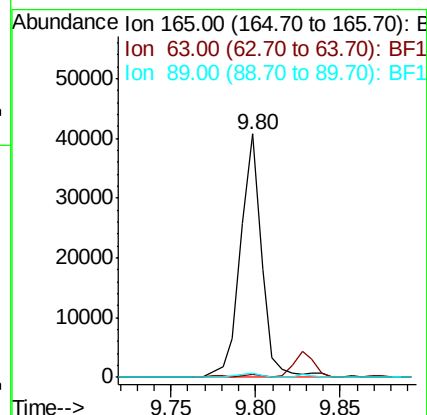
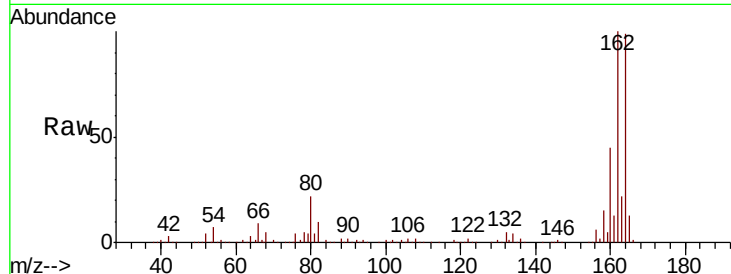




#51
 2,6-Dinitrotoluene
 Concen: 8.635 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

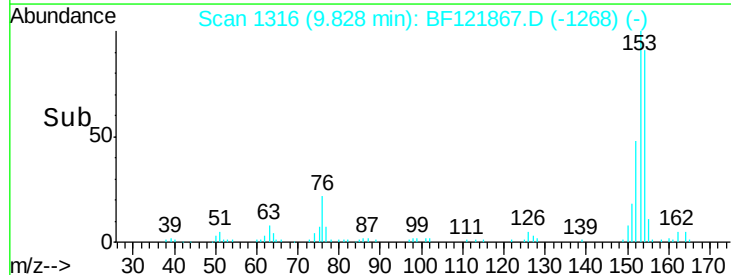
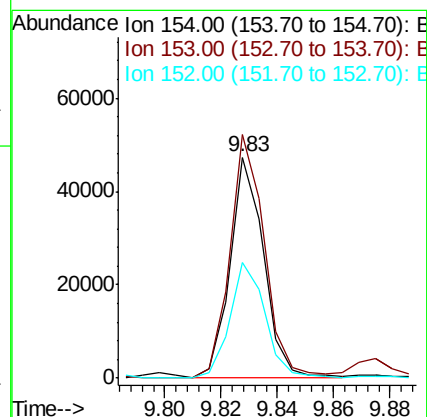
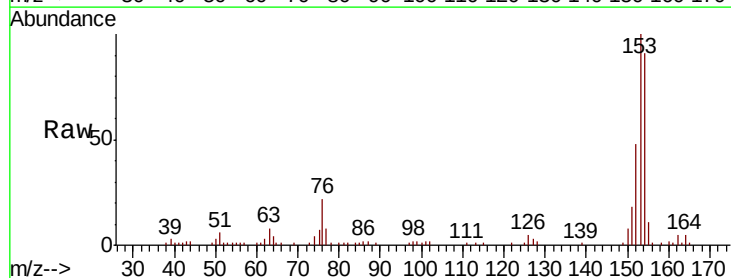
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

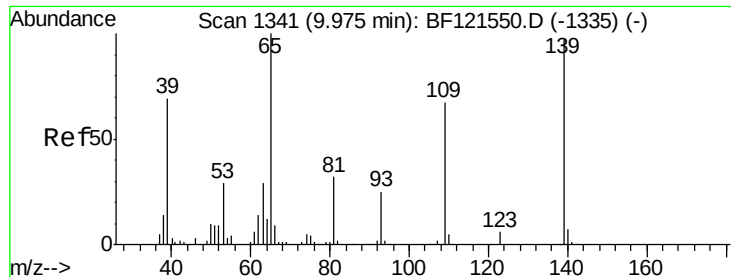
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	51.8	77.6#
89	1.7	49.0	73.6#



#52
 Acenaphthene
 Concen: 2.399 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.8	134.8
152	52.6	43.2	64.8

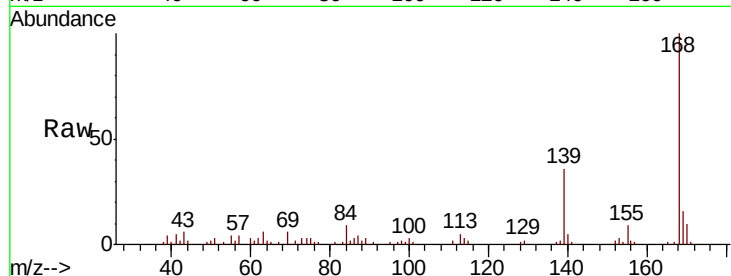




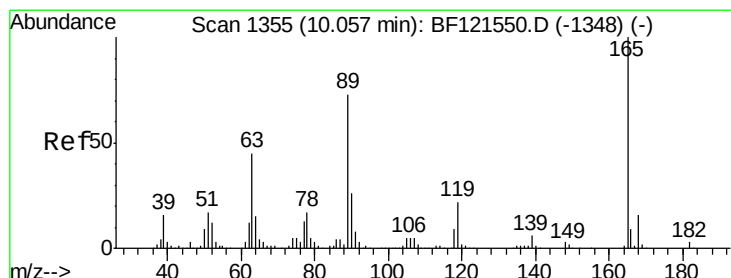
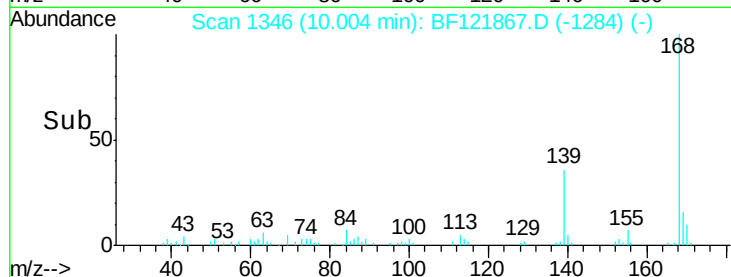
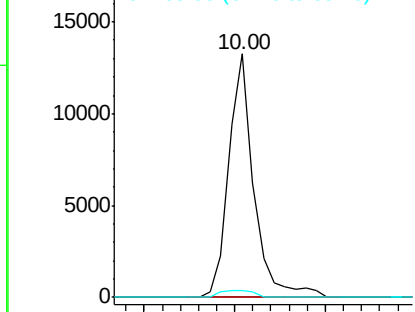
#56
4-Nitrophenol
Concen: 3.354 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.06 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.4	85.4#
65	3.0	68.4	108.4#

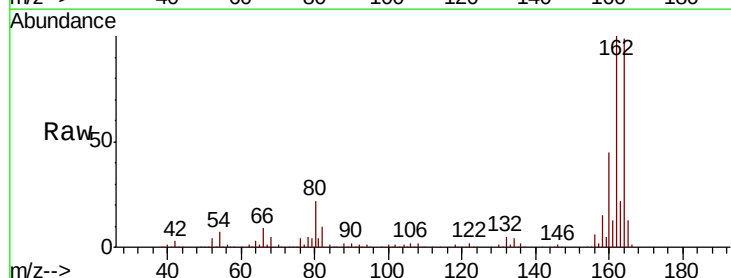


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

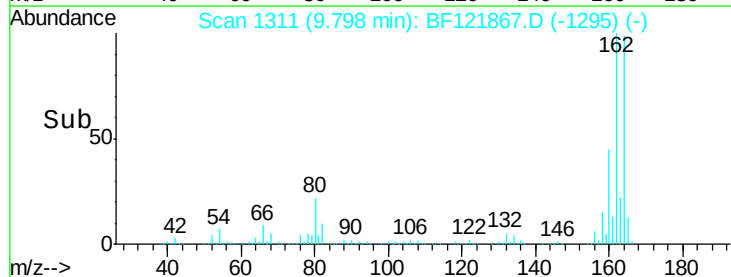
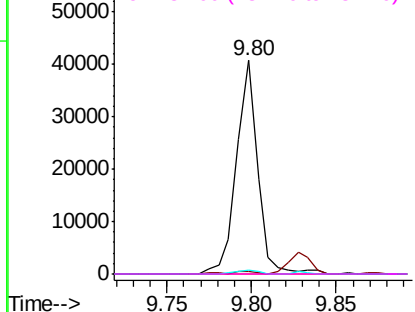


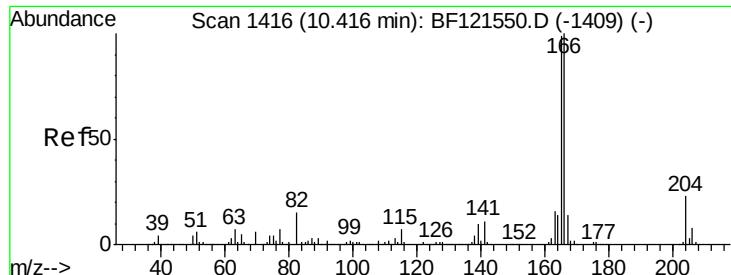
#57
2,4-Dinitrotoluene
Concen: 6.863 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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

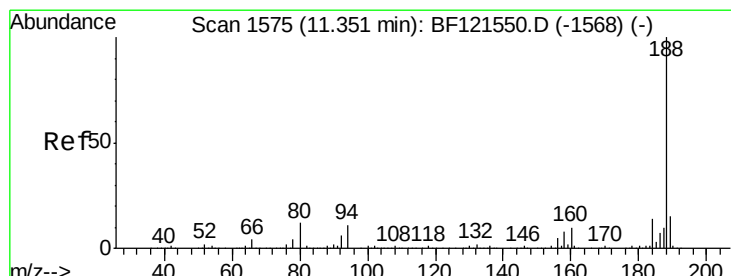
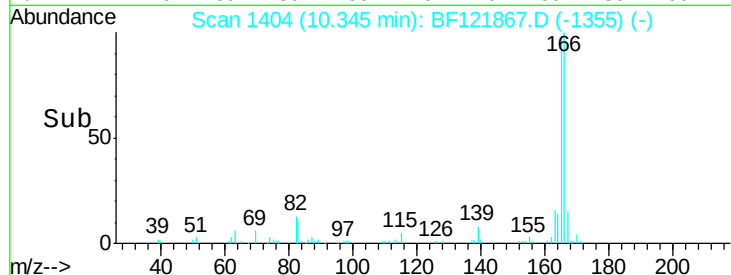
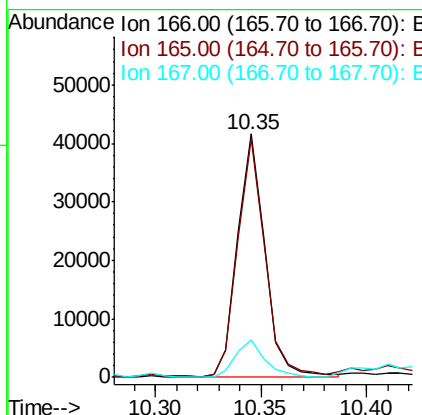
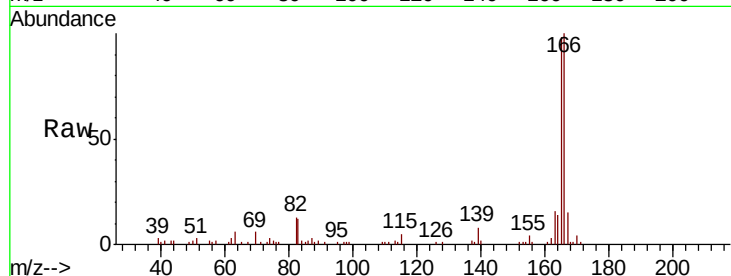




#58
 Fluorene
 Concen: 2.124 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

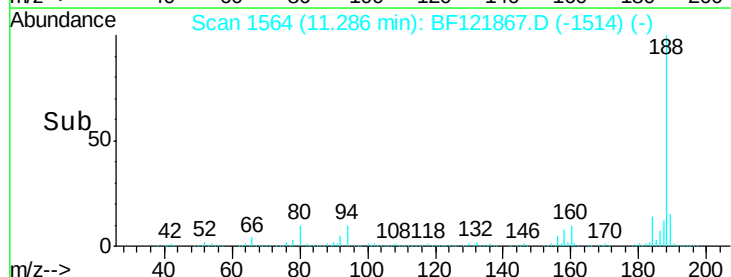
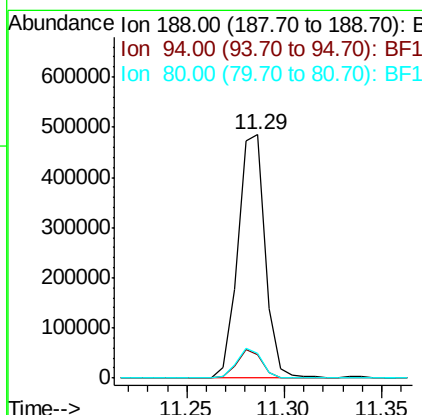
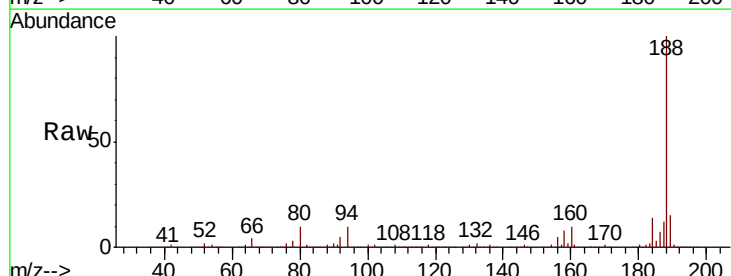
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-0-10

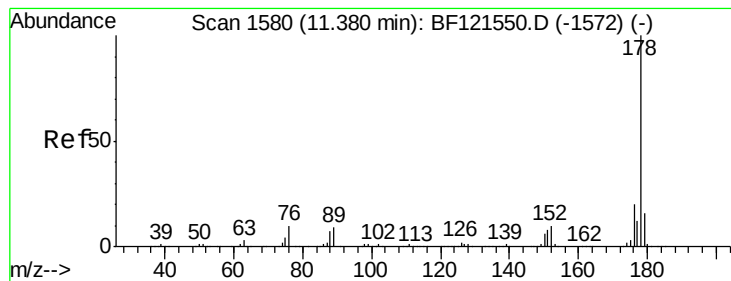
Tot Ion:166 Resp: 37478
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.1 118.7
 167 15.5 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121867.D
 Acq: 7 Oct 2020 11:47

Tgt Ion:188 Resp: 470501
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.3 12.5
 80 10.1 9.1 13.7





#71

Phenanthrene

Concen: 15.796 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-0-10

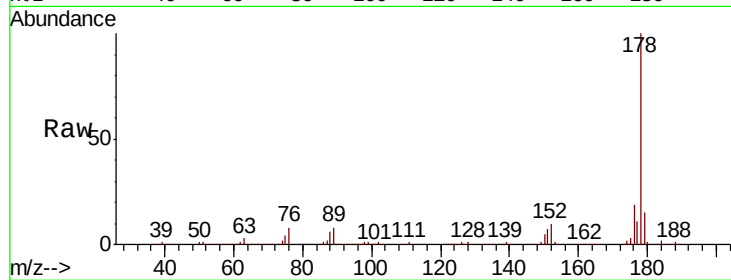
Tot Ion:178 Resp: 404933

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

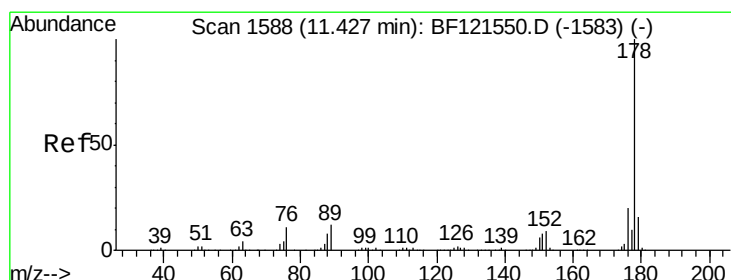
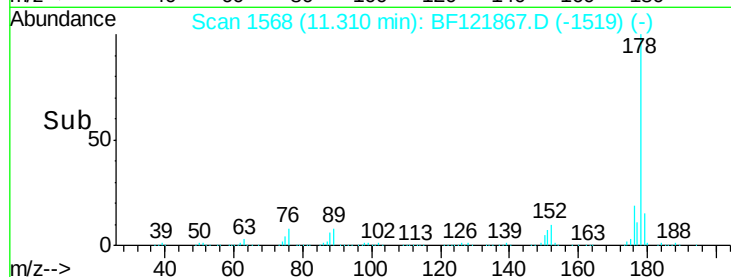
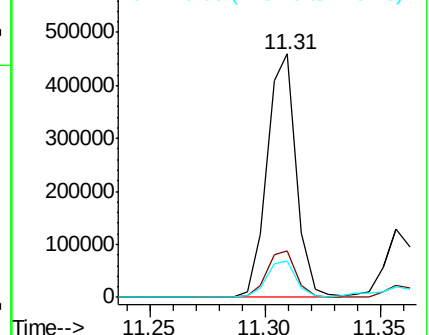
179 14.8 12.2 18.4



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



#72

Anthracene

Concen: 4.189 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

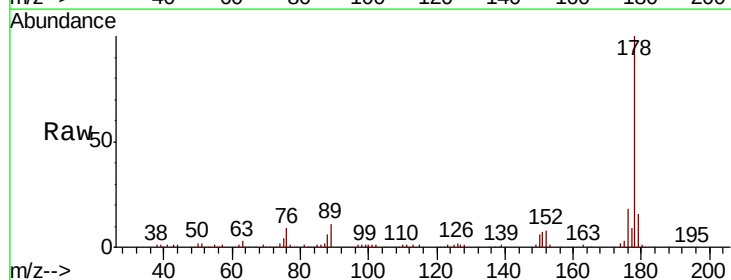
Tgt Ion:178 Resp: 110806

Ion Ratio Lower Upper

178 100

176 17.8 15.7 23.5

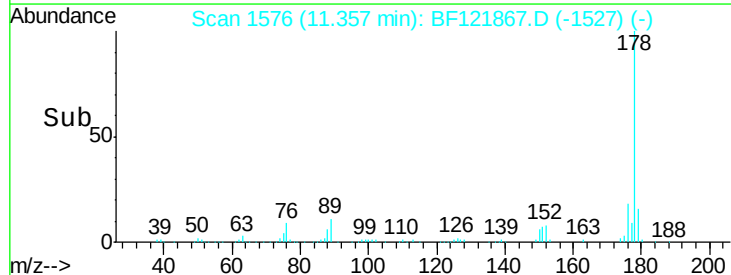
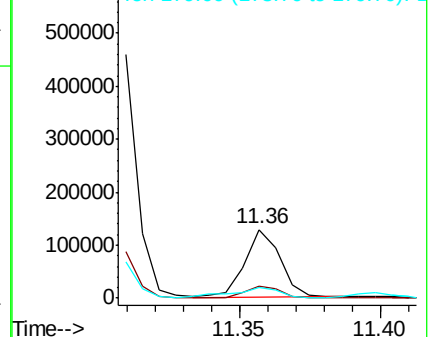
179 15.7 12.7 19.1

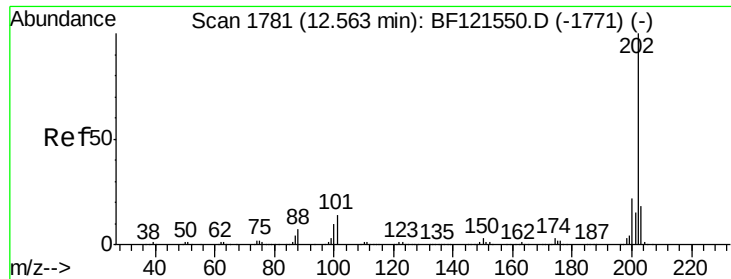


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

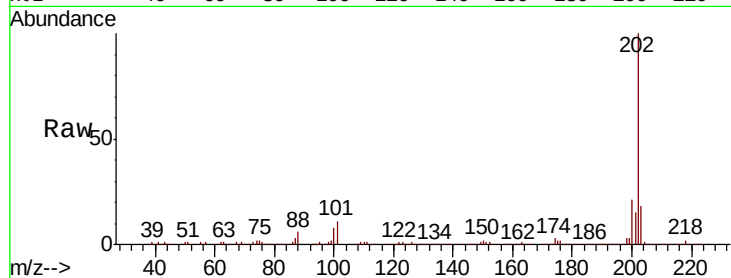




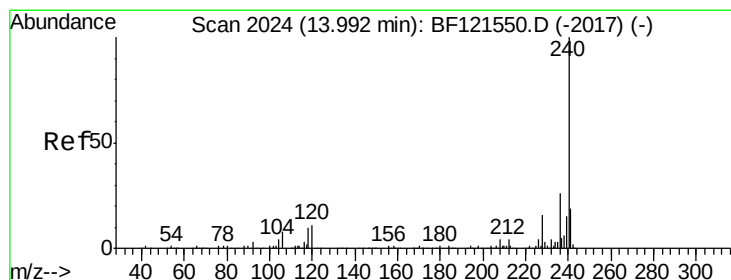
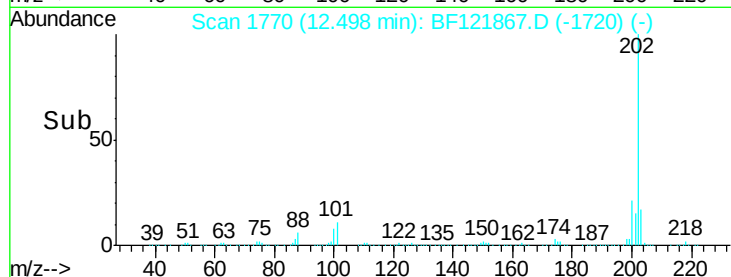
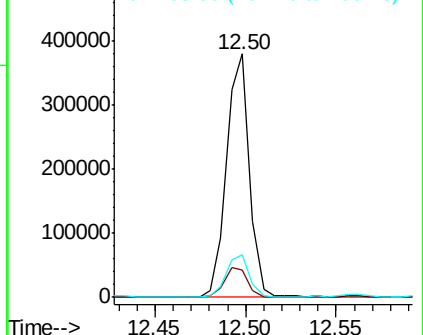
#75
Fluoranthene
Concen: 12.267 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	33.4
203	17.5	0.0	37.9

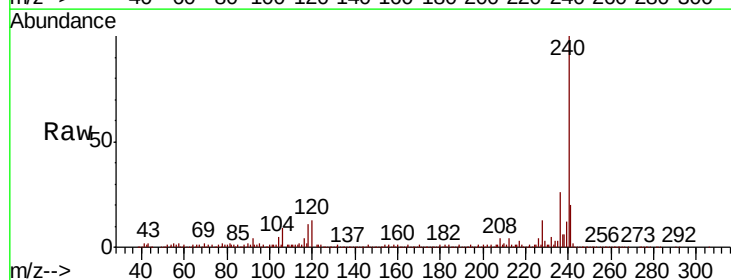


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

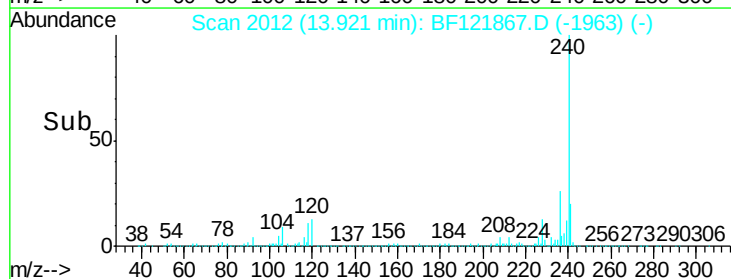
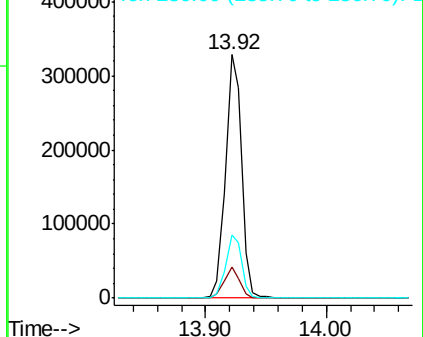


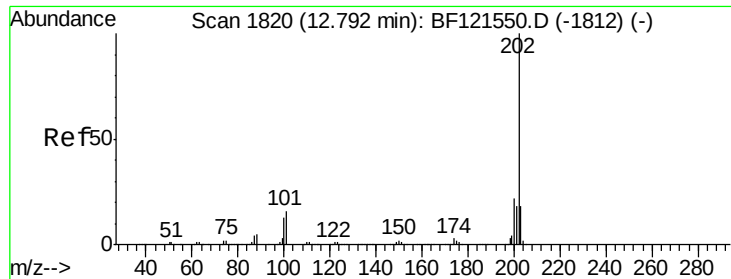
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	26.1	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.933 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-0-10

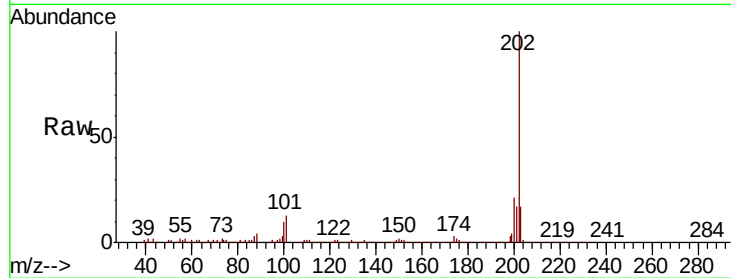
Tot Ion:202 Resp: 286613

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

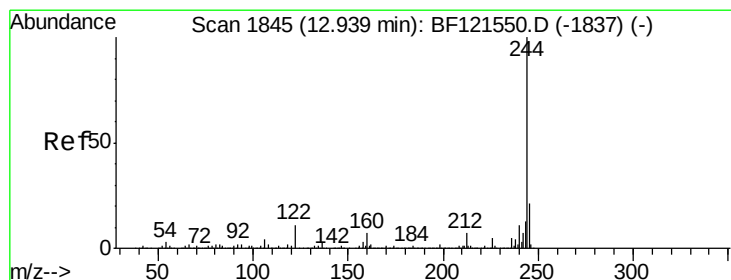
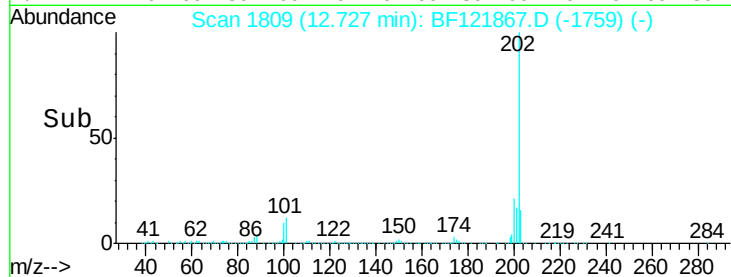
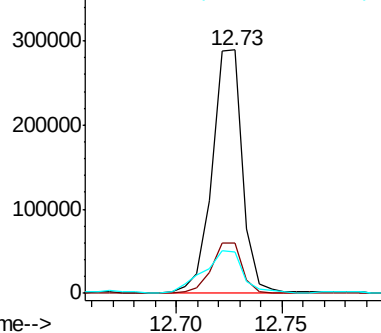
203 17.0 14.6 21.8



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: 29.449 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

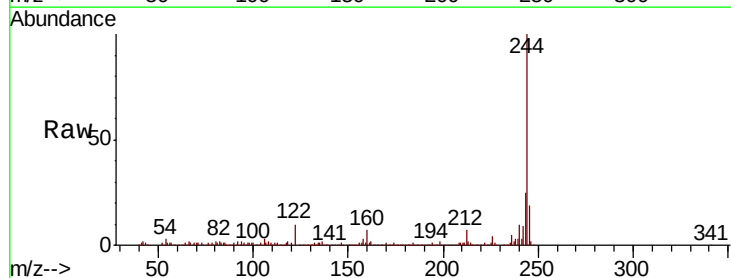
Tgt Ion:244 Resp: 440898

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

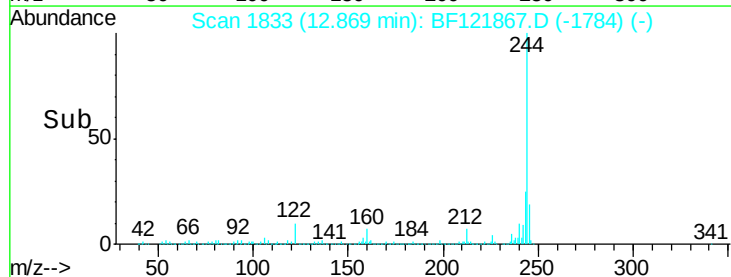
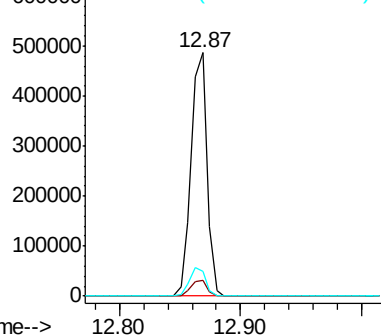
122 10.1 8.1 12.1

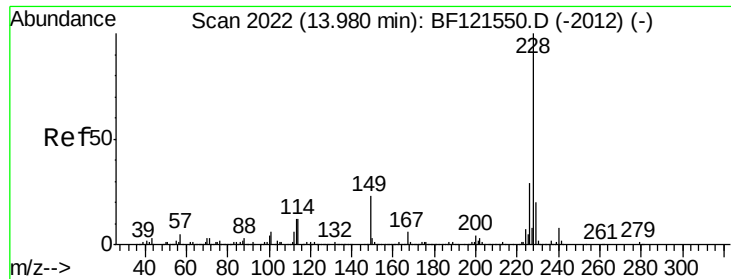


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.059 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Instrument :

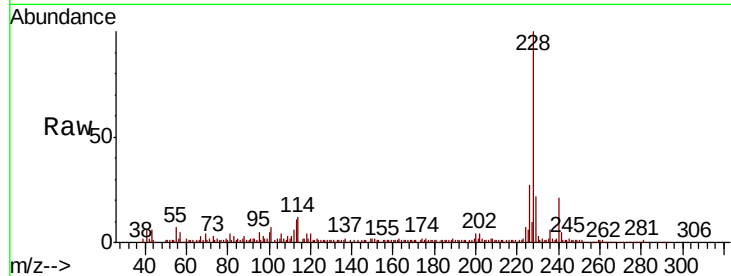
BNA_F

ClientSampleId :

PAV-B18-092920-0-10

Tot Ion:228 Resp: 116262

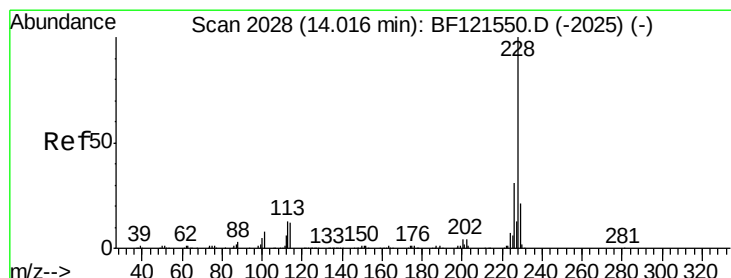
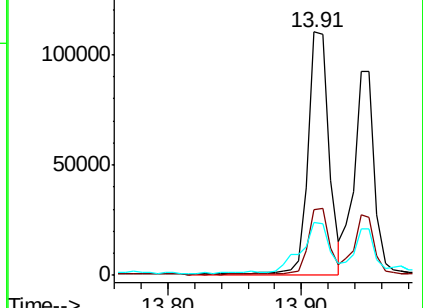
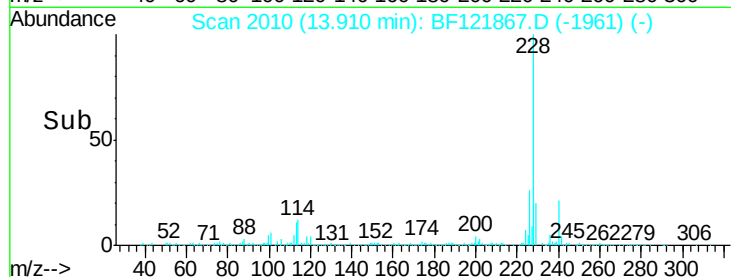
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.3	33.5
229	21.6	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

150000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.060 ng

RT: 13.95 min Scan# 2017

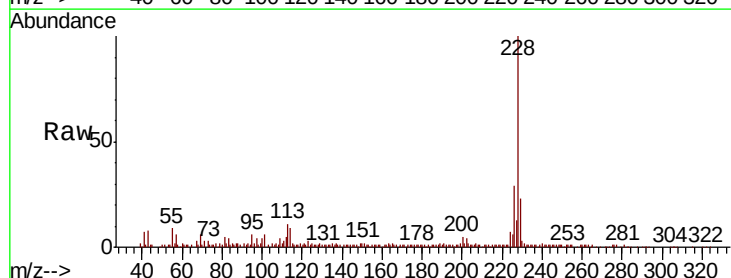
Delta R.T. -0.01 min

Lab File: BF121867.D

Acq: 7 Oct 2020 11:47

Tgt Ion:228 Resp: 98325

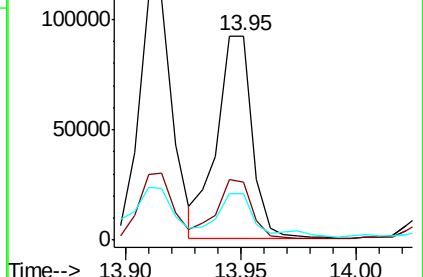
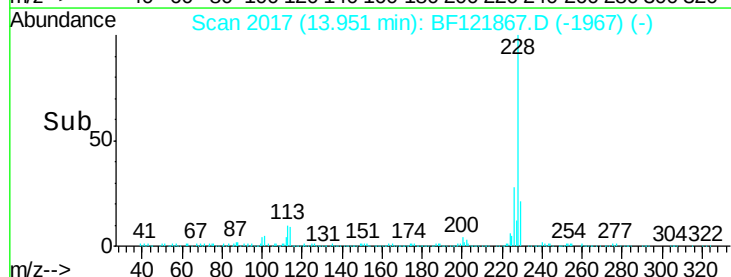
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.6	37.0
229	22.8	15.9	23.9

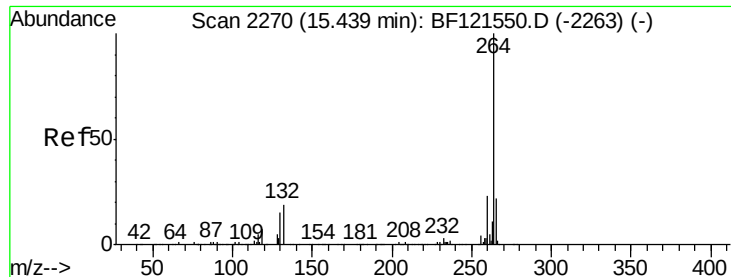


Abundance Ion 228.00 (227.70 to 228.70): E

150000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

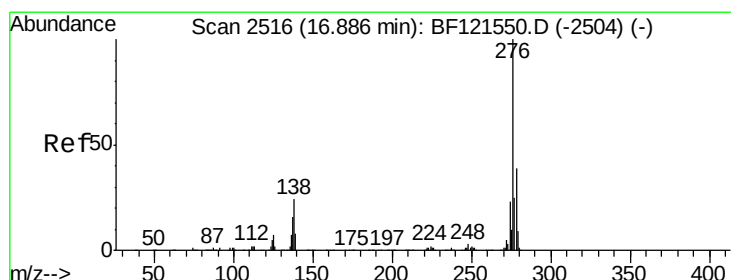
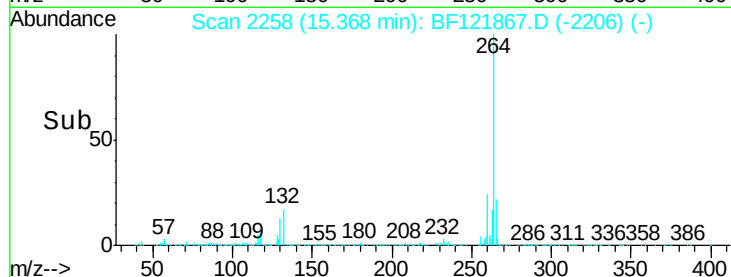
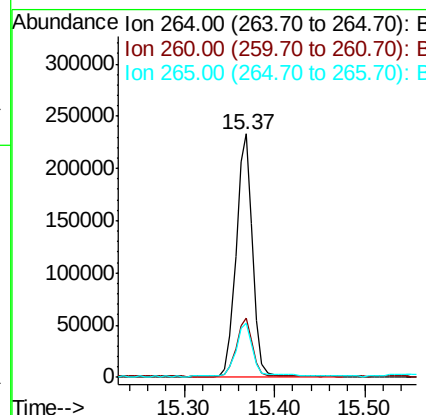
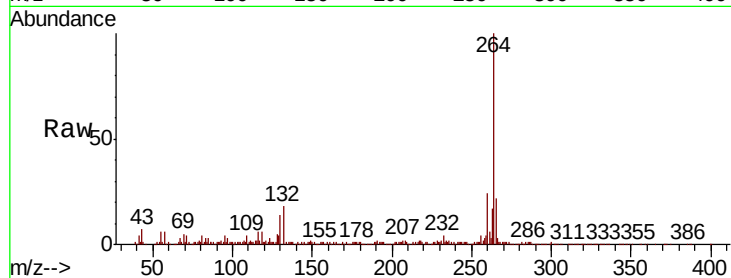




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

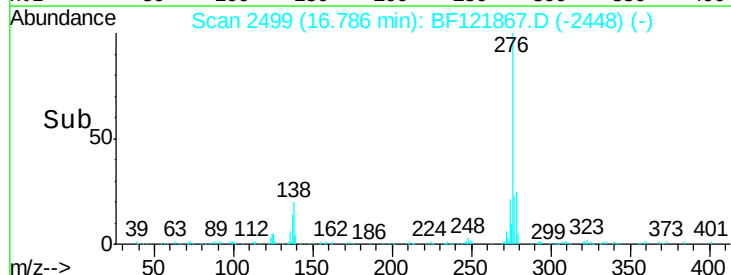
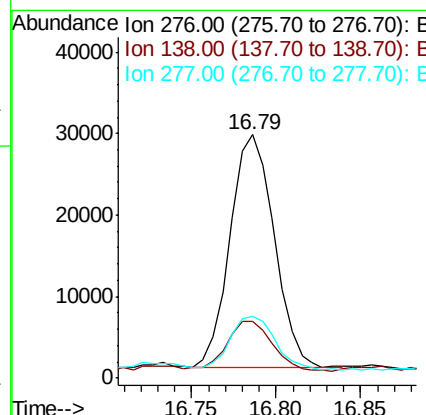
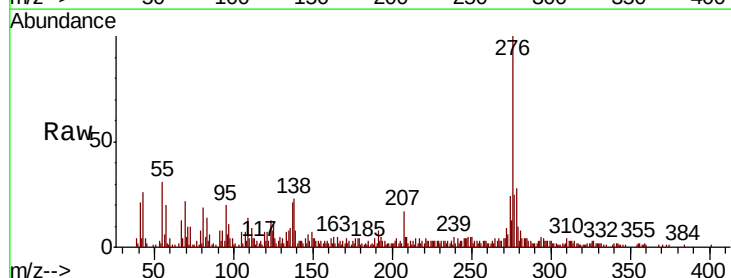
Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

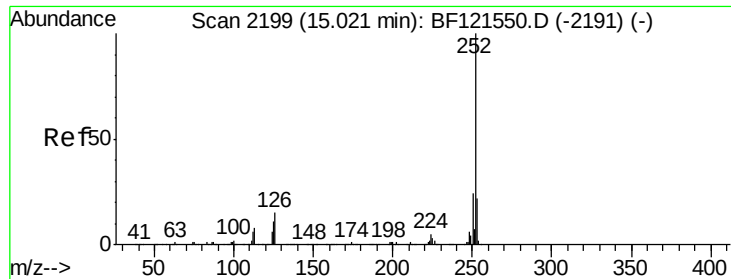
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.3	17.3	25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.709 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.9	29.9
277	23.9	20.4	30.6

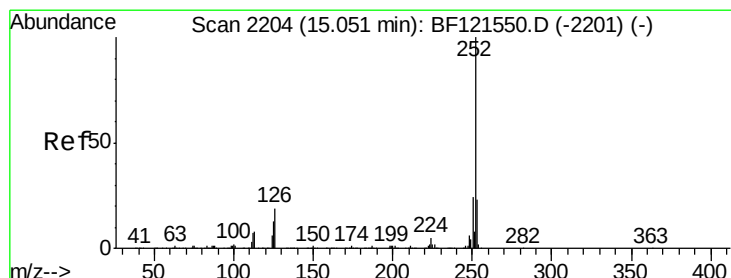
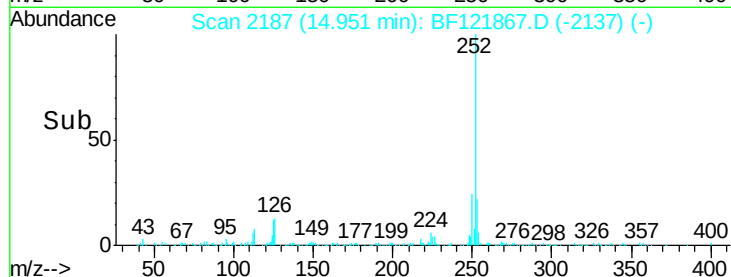
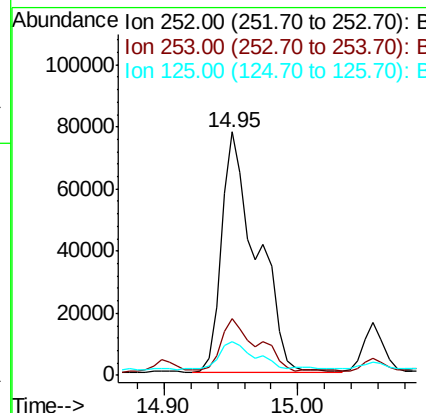
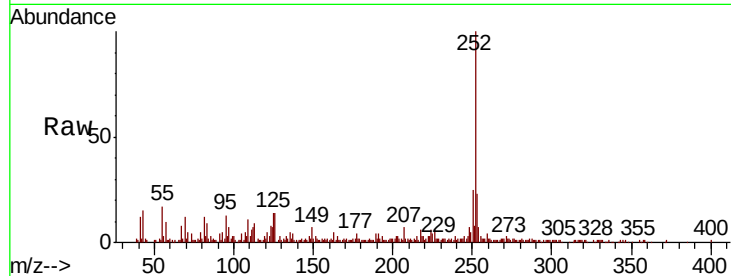




#88
Benzo(b)fluoranthene
Concen: 7.244 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

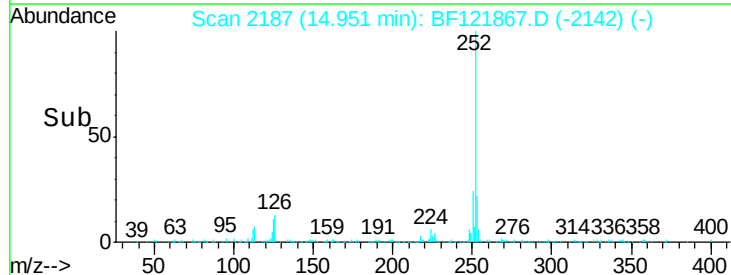
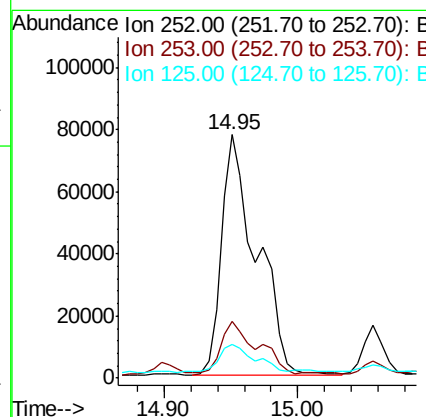
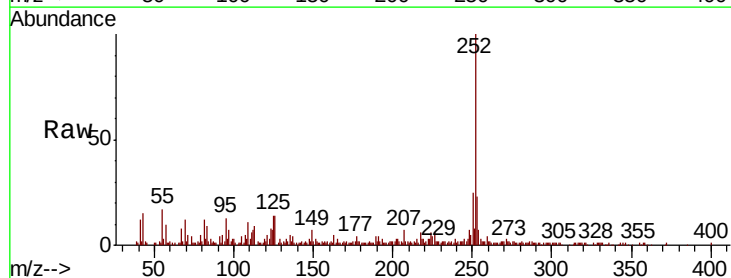
Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

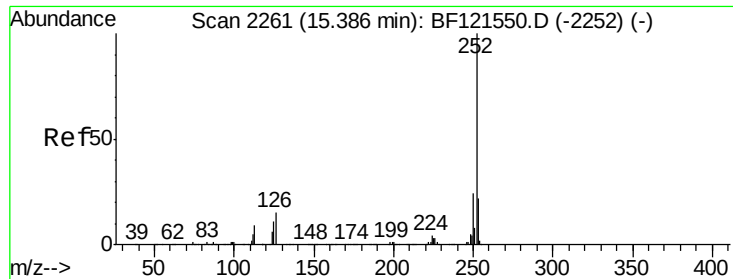
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.7	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 7.911 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.7	7.7	11.5

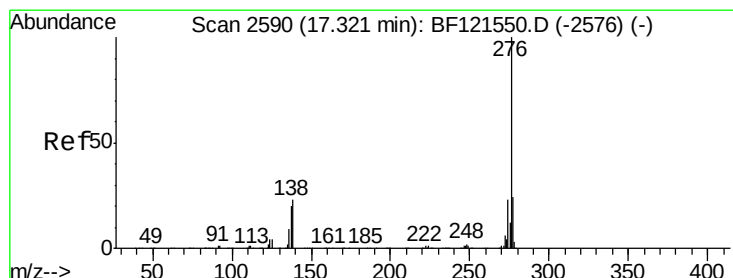
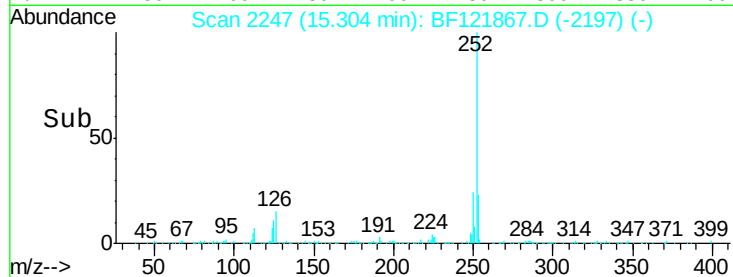
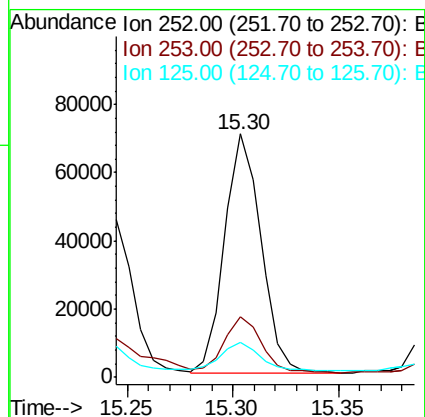
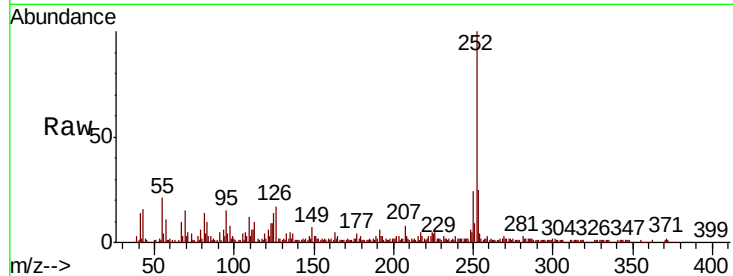




#90
Benzo(a)pyrene
Concen: 5.047 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-0-10

Tot Ion:252 Resp: 84099
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 14.3 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 3.687 ng
RT: 17.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BF121867.D
Acq: 7 Oct 2020 11:47

Tgt Ion:276 Resp: 57604
Ion Ratio Lower Upper
276 100
277 25.9 19.4 29.2
138 25.2 17.8 26.6

