

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121873.D
 Acq On : 7 Oct 2020 14:54
 Operator : JU/CG
 Sample : L4260-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B23-100220-10-19

Quant Time: Oct 07 15:27:31 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

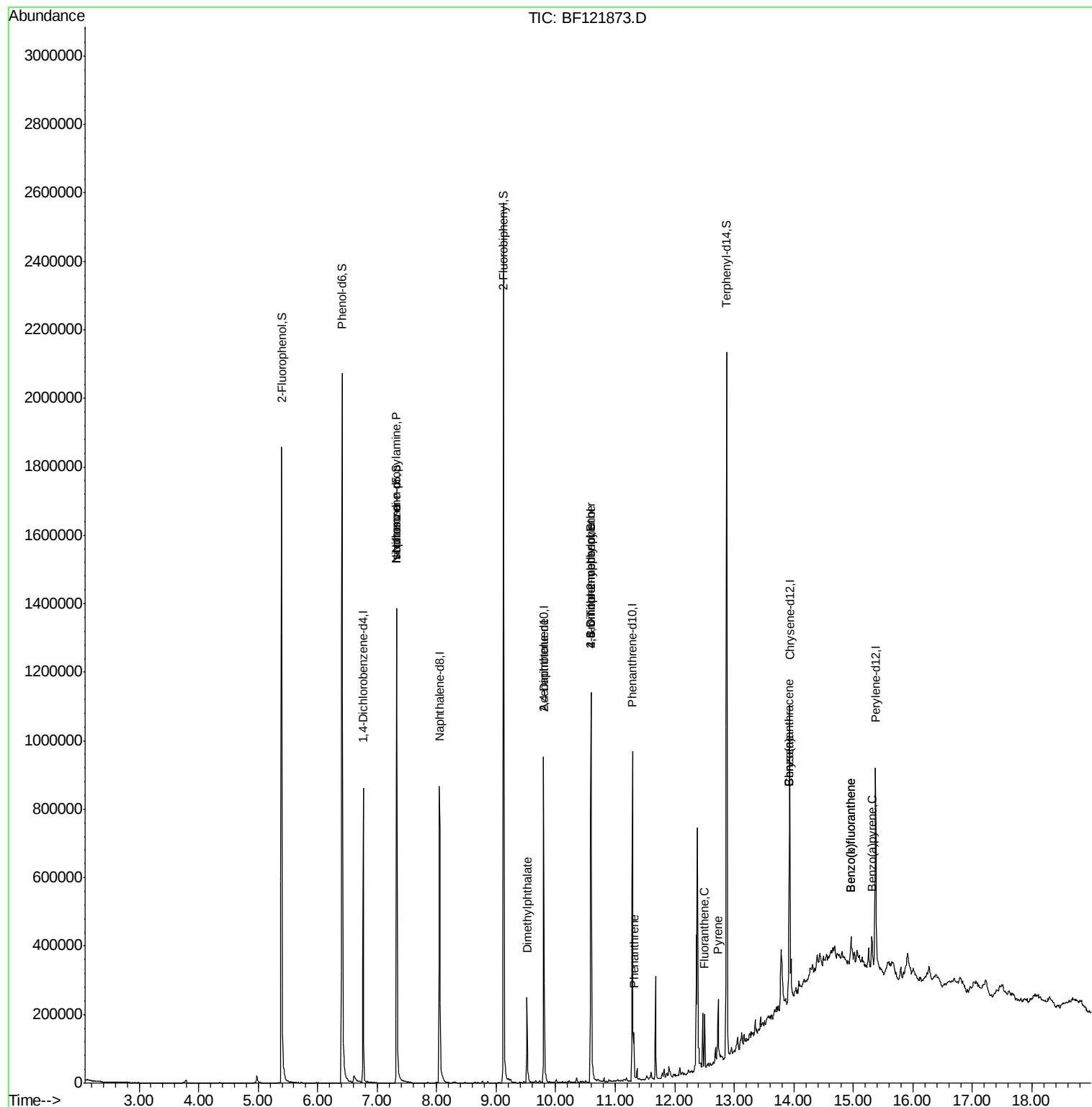
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	115408	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	445429	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	213160	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	343321	20.00	ng	0.00
76) Chrysene-d12	13.93	240	278685	20.00	ng	0.00
86) Perylene-d12	15.37	264	247617	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	573206	73.81	ng	0.00
7) Phenol-d6	6.41	99	714993	70.18	ng	0.00
23) Nitrobenzene-d5	7.33	82	489375	58.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	158342	59.77	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	823743	58.53	ng	-0.01
79) Terphenyl-d14	12.87	244	641544	46.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	63550	10.823	ng	# 78
25) Isophorone	7.33	82	489372	29.304	ng	# 67
50) Dimethylphthalate	9.52	163	123013	7.962	ng	99
57) 2,4-Dinitrotoluene	9.80	165	27125	6.553	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	114	6.898	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	9130	2.336	ng	# 1
71) Phenanthrene	11.31	178	43214	2.310	ng	99
75) Fluoranthene	12.50	202	60657	3.038	ng	100
78) Pyrene	12.73	202	72705	3.571	ng	98
81) Benzo(a)anthracene	13.92	228	45304	2.570	ng	99
83) Chrysene	13.92	228	45304	2.538	ng	96
88) Benzo(b)fluoranthene	14.96	252	61364	3.707	ng	# 92
89) Benzo(k)fluoranthene	14.96	252	61364	4.048	ng	# 91
90) Benzo(a)pyrene	15.31	252	42160	2.996	ng	# 90

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

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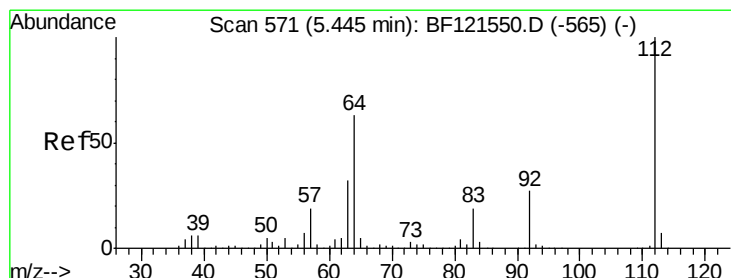
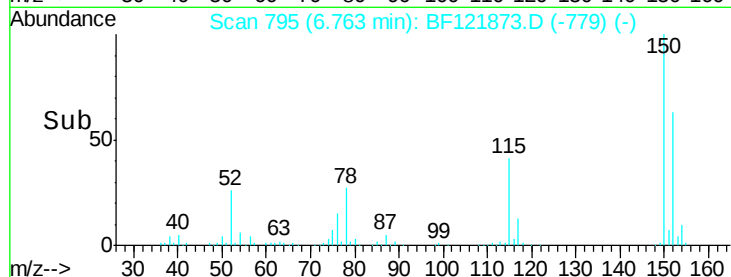
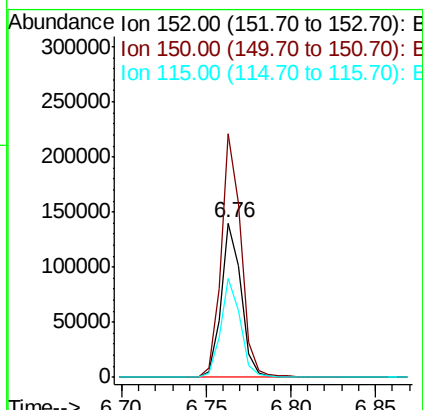
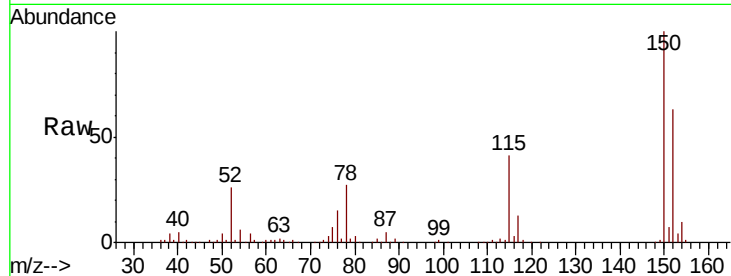


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

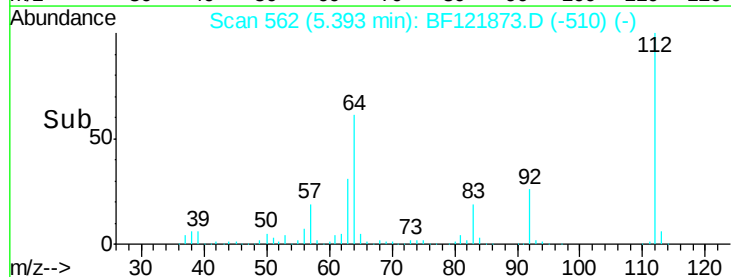
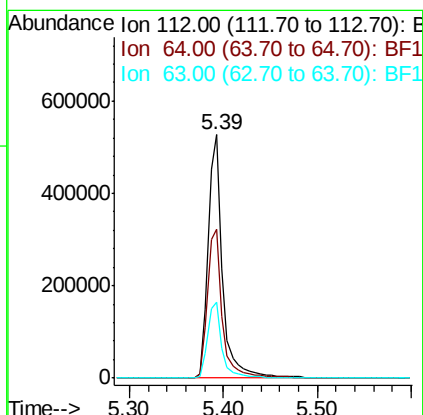
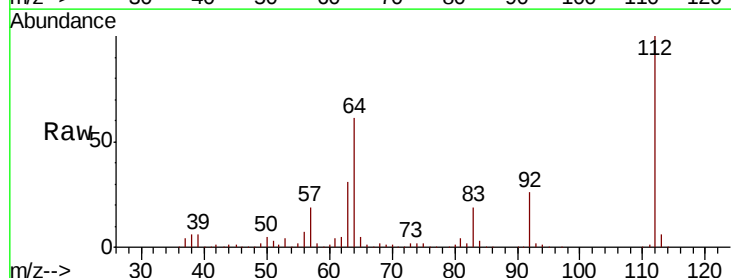
Tot Ion:152 Resp: 115408
Ion Ratio Lower Upper
152 100
150 158.1 125.3 187.9
115 64.6 51.9 77.9



#5

2-Fluorophenol
Concen: 73.813 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion:112 Resp: 573206
Ion Ratio Lower Upper
112 100
64 60.9 50.4 75.6
63 31.0 25.8 38.6





#7

Phenol-d6

Concen: 70.179 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

Instrument :

BNA_F

ClientSampleId :

PAV-B23-100220-10-19

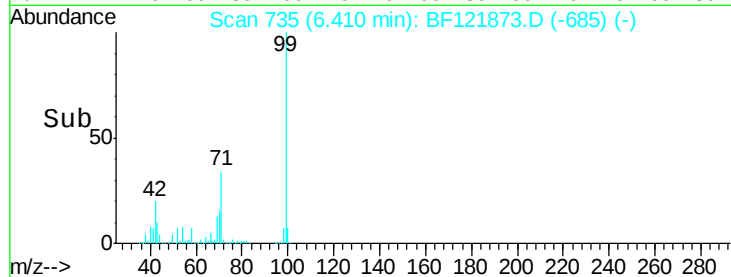
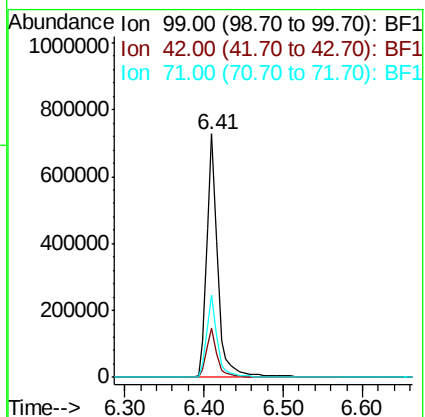
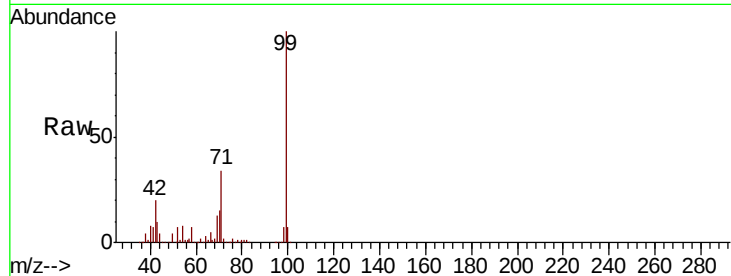
Tot Ion: 99 Resp: 714993

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 33.8 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.823 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

Tgt Ion: 70 Resp: 63550

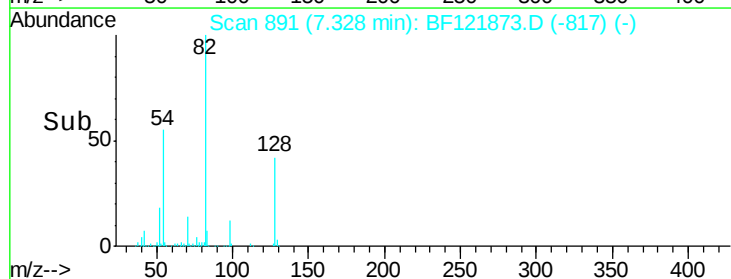
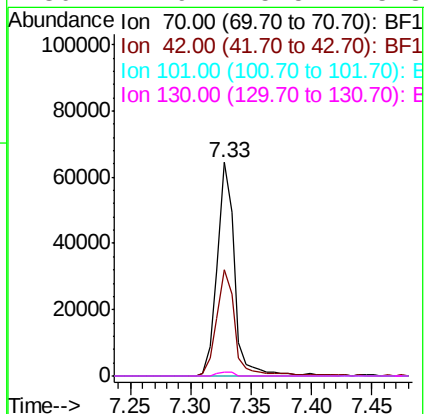
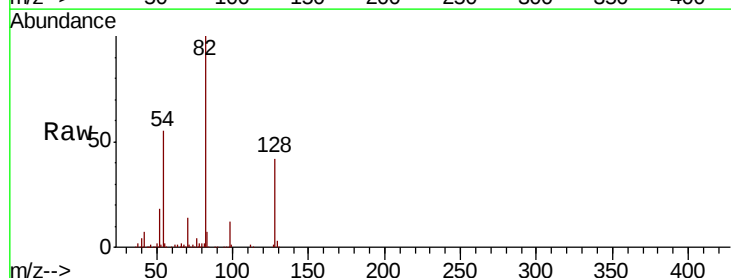
Ion Ratio Lower Upper

70 100

42 50.0 50.2 75.4#

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

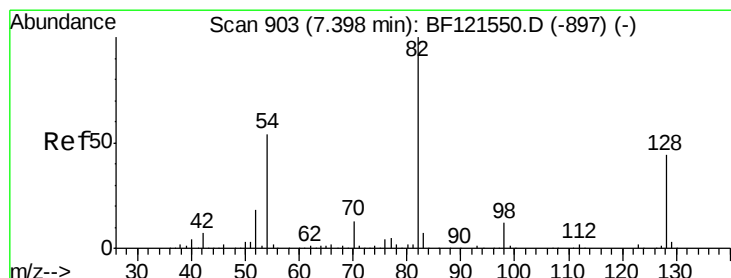
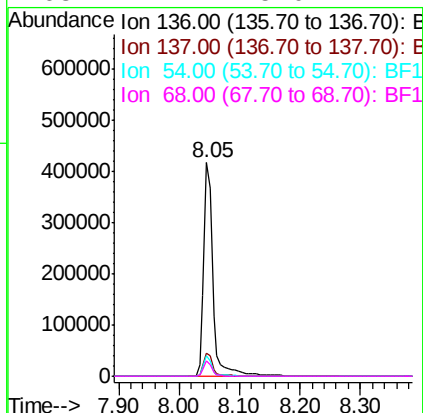
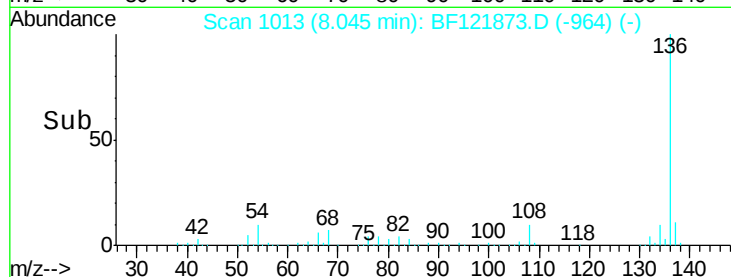
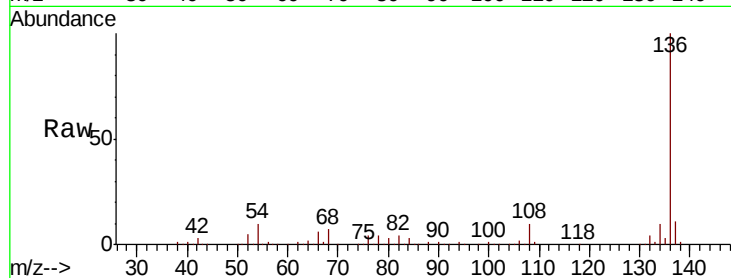




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

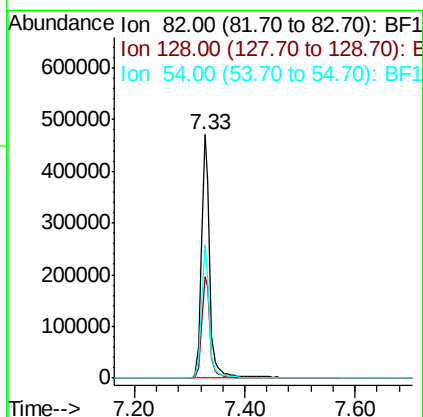
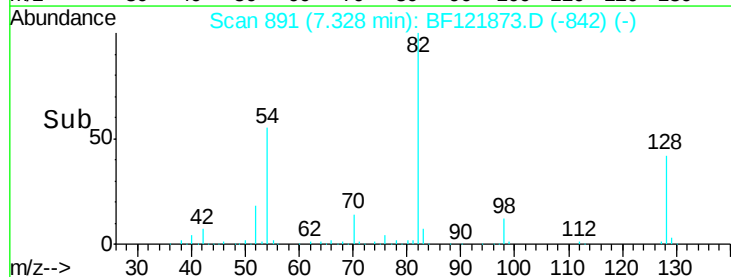
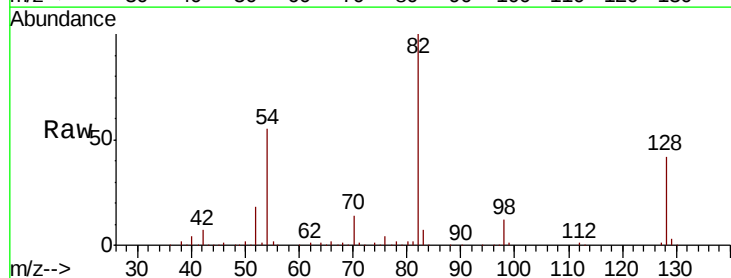
Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

Tot Ion:136	Resp:	445429
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	9.6	7.1 10.7
68	7.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 58.989 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion: 82	Resp:	489375
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.0 52.4
54	54.9	43.9 65.9





#25

Isophorone

Concen: 29.304 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

Instrument :

BNA_F

ClientSampleId :

PAV-B23-100220-10-19

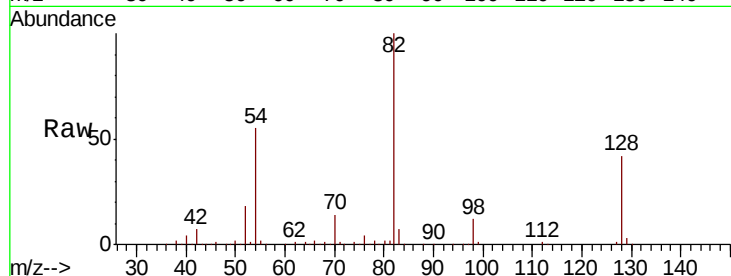
Tot Ion: 82 Resp: 489372

Ion Ratio Lower Upper

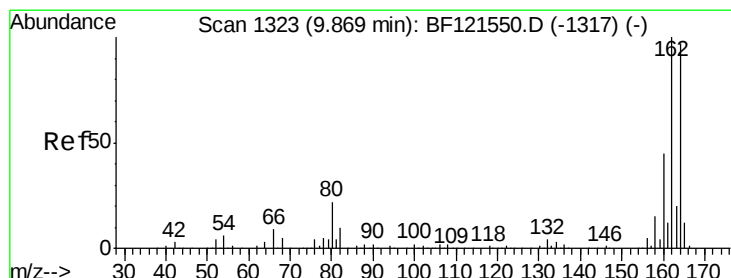
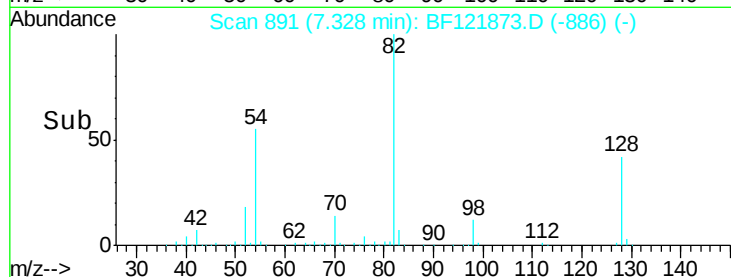
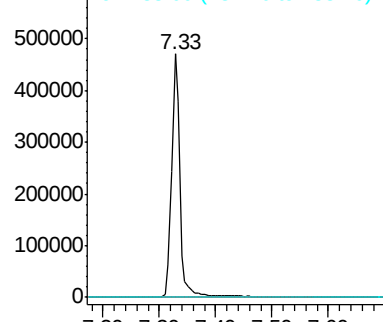
82 100

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# 1311

Delta R.T. -0.01 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

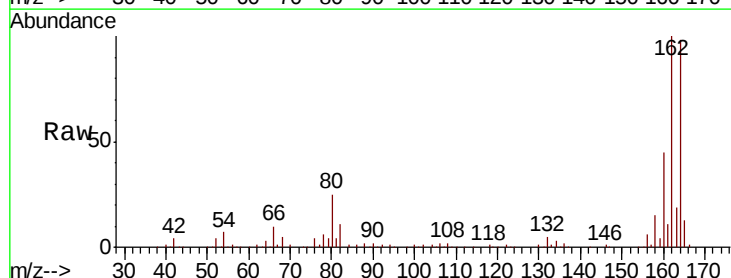
Tgt Ion: 164 Resp: 213160

Ion Ratio Lower Upper

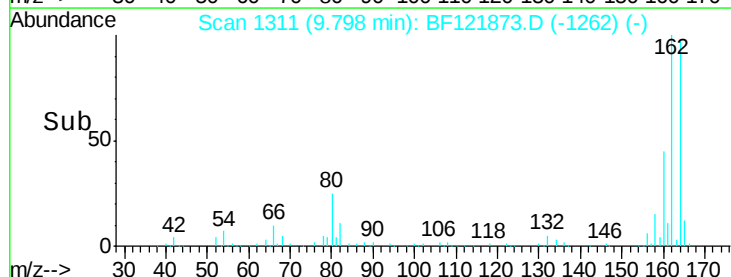
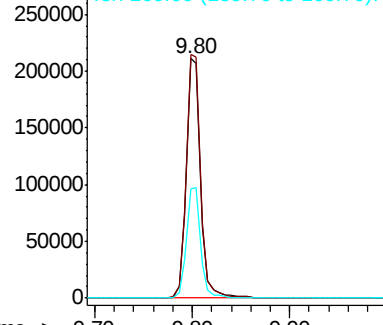
164 100

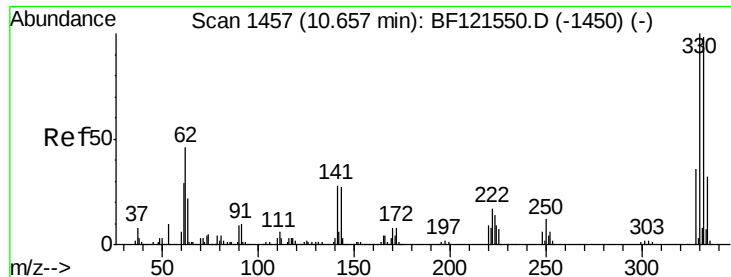
162 101.6 83.2 124.8

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

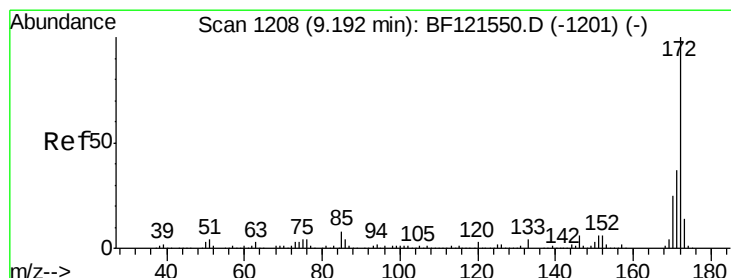
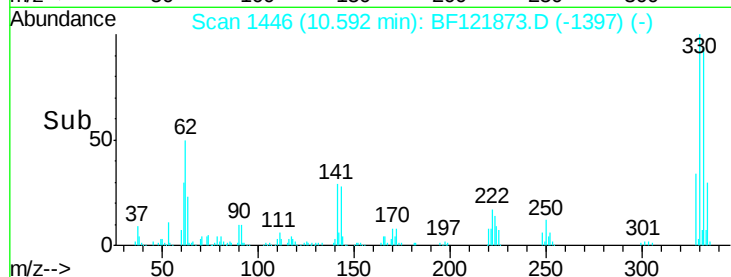
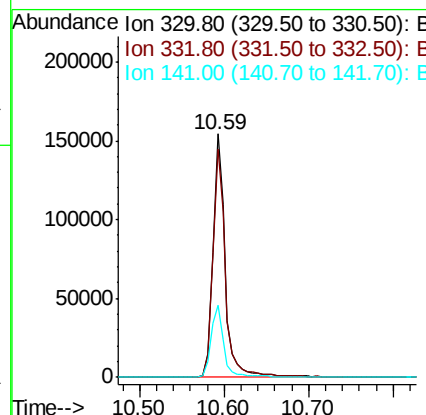
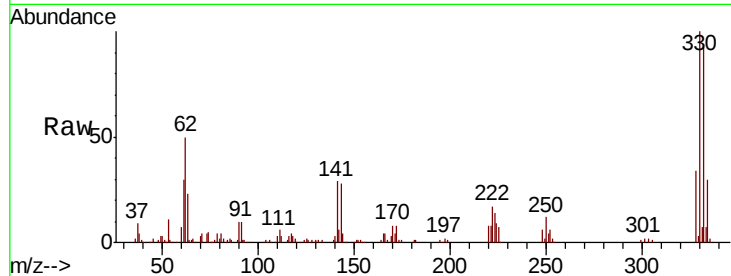




#42
 2,4,6-Tribromophenol
 Concen: 59.768 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121873.D
 Acq: 7 Oct 2020 14:54

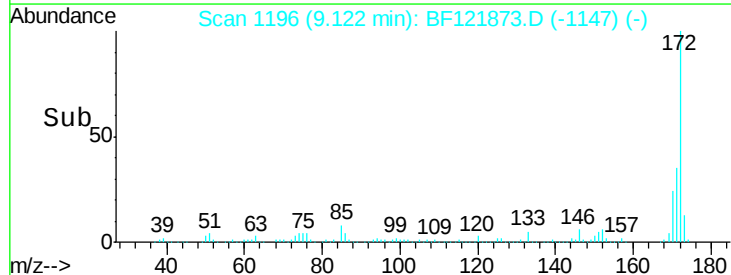
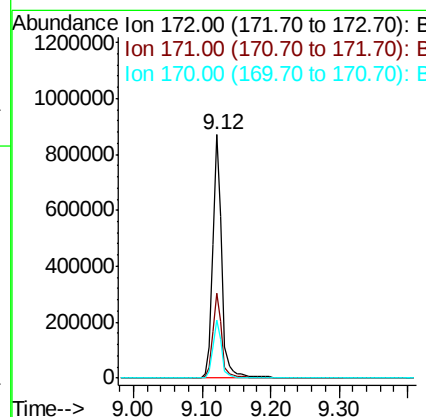
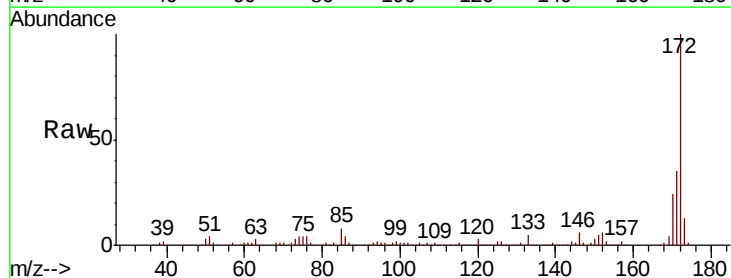
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B23-100220-10-19

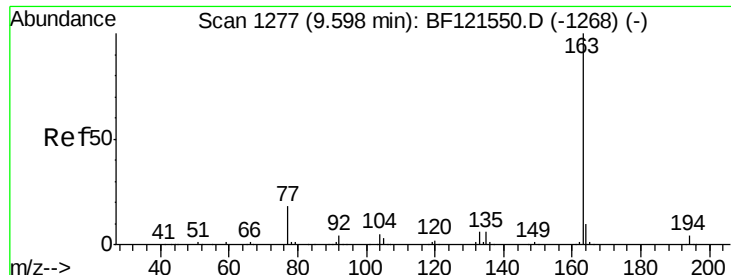
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	30.5	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 58.528 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121873.D
 Acq: 7 Oct 2020 14:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.1	43.7
170	23.7	19.8	29.6

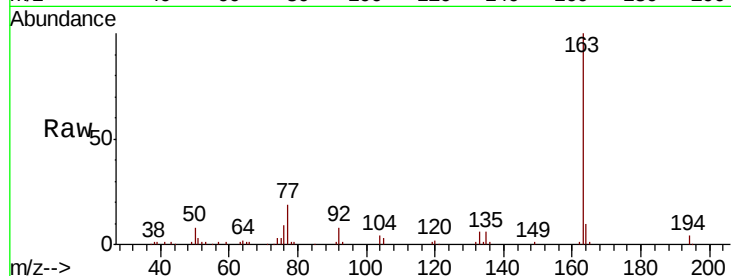




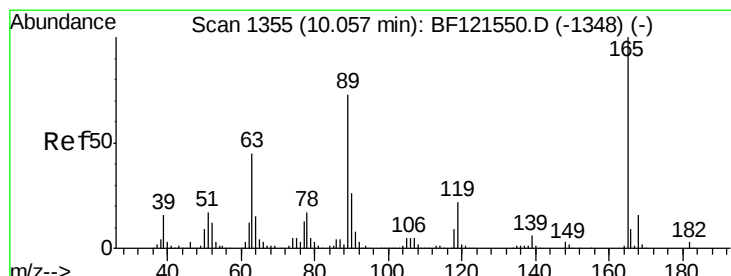
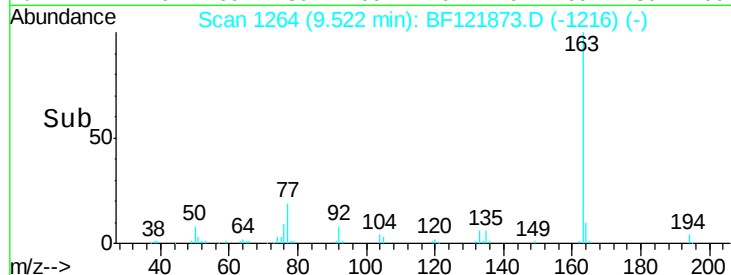
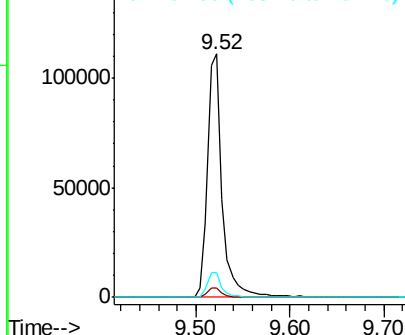
#50
Dimethylphthalate
Concen: 7.962 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

Tot Ion:	163	Resp:	123013
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.2	12.4

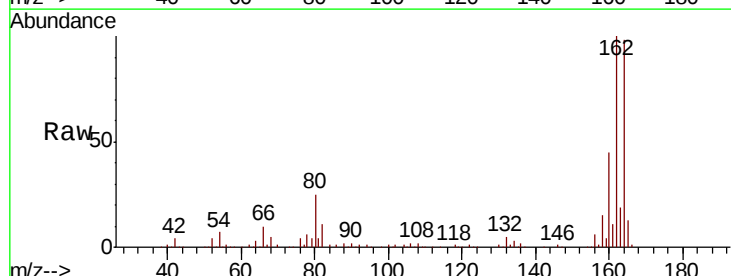


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

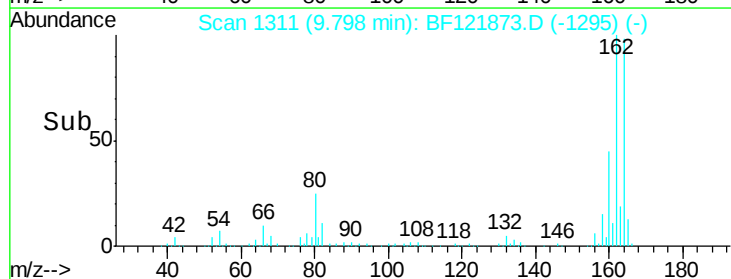
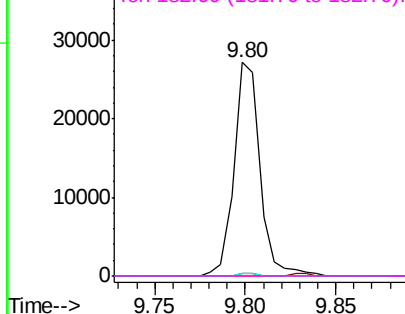


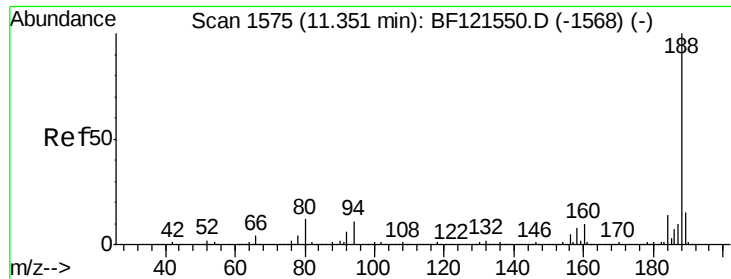
#57
2,4-Dinitrotoluene
Concen: 6.553 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion:	165	Resp:	27125
Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.3	61.9#
89	1.5	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

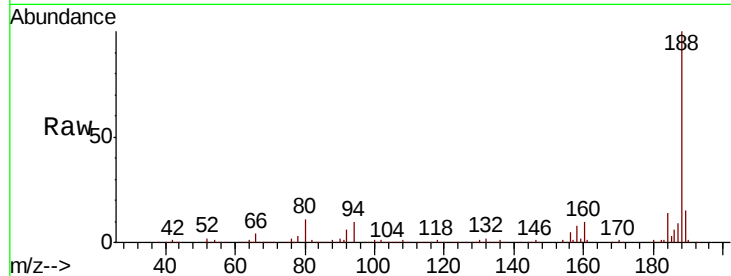




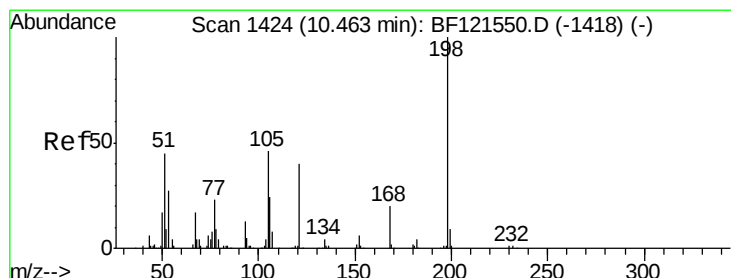
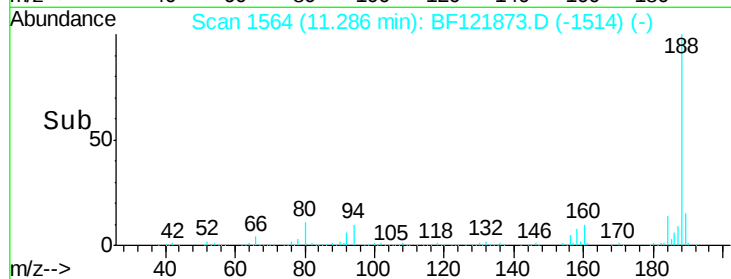
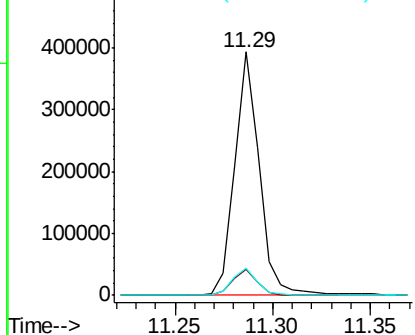
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

Tot Ion:188 Resp: 343321
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.2 9.1 13.7

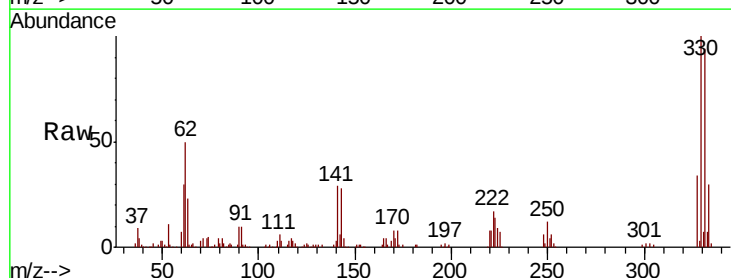


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

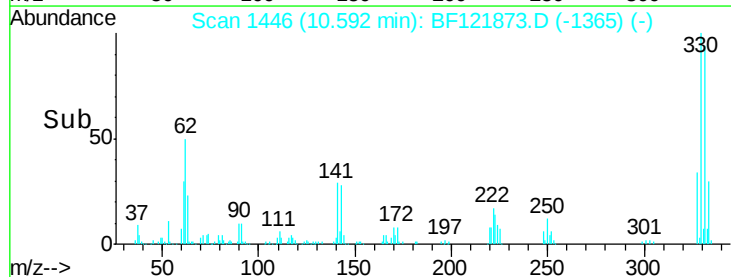
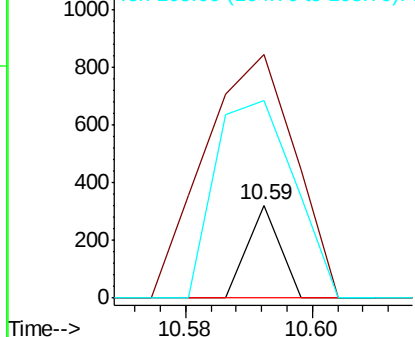


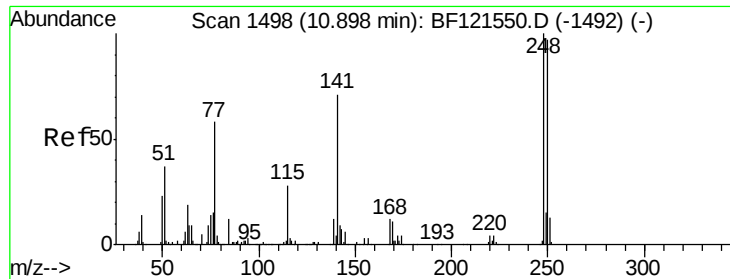
#65
4,6-Dinitro-2-methylphenol
Concen: 6.898 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion:198 Resp: 114
Ion Ratio Lower Upper
198 100
51 261.6 29.6 69.6#
105 211.8 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

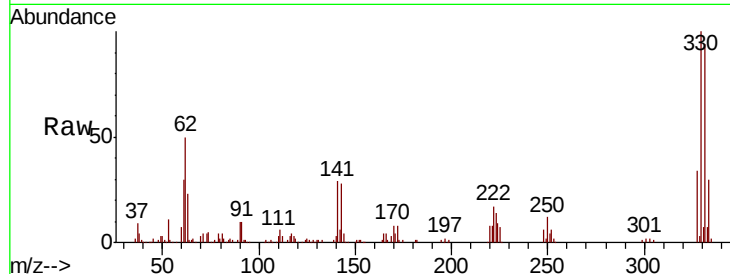




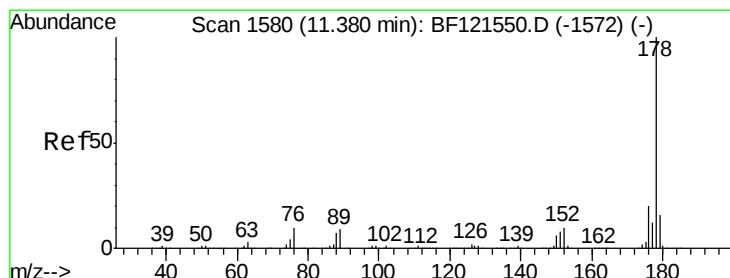
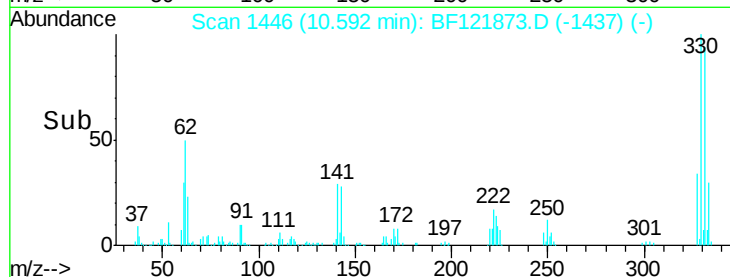
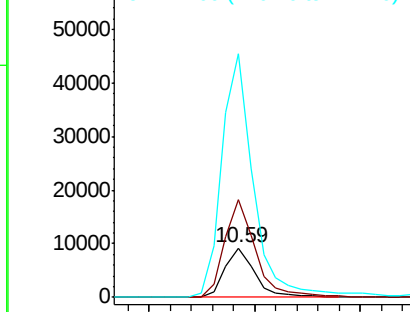
#67
 4-Bromophenyl-phenylether
 Concen: 2.336 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.25 min
 Lab File: BF121873.D
 Acq: 7 Oct 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B23-100220-10-19

Tot Ion:248 Resp: 9130
 Ion Ratio Lower Upper
 248 100
 250 199.5 77.0 115.6#
 141 494.8 53.7 80.5#

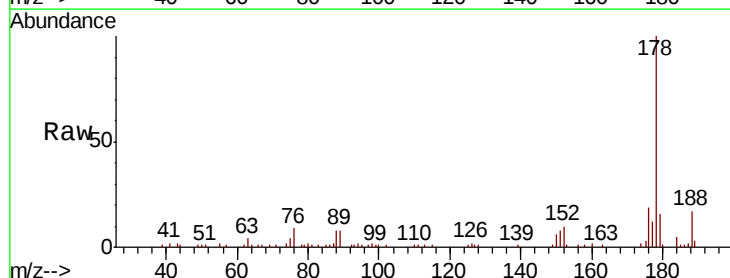


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

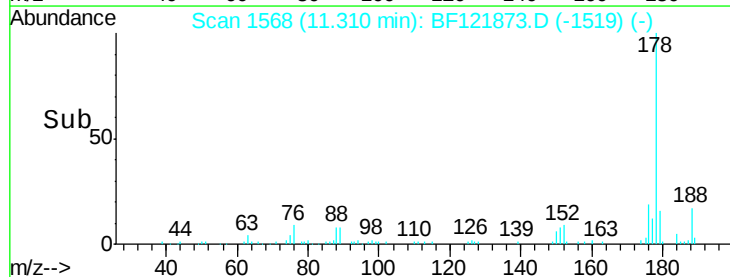
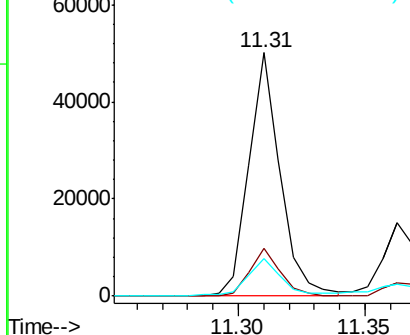


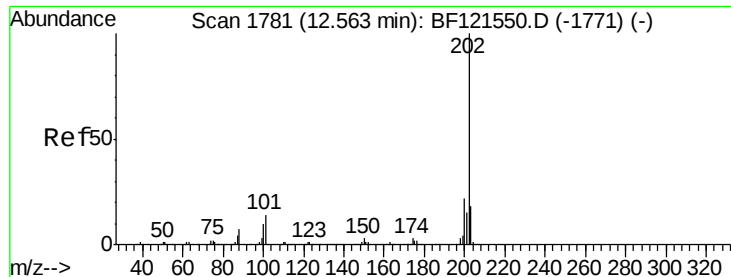
#71
 Phenanthrene
 Concen: 2.310 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF121873.D
 Acq: 7 Oct 2020 14:54

Tgt Ion:178 Resp: 43214
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 15.6 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: 3.038 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

Instrument :

BNA_F

ClientSampleId :

PAV-B23-100220-10-19

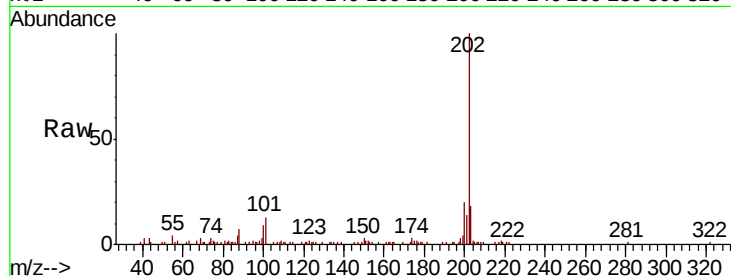
Tot Ion:202 Resp: 60657

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.4

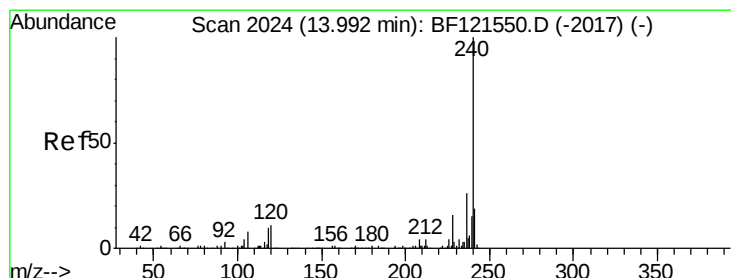
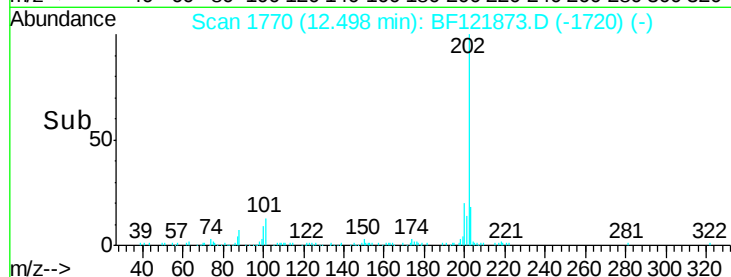
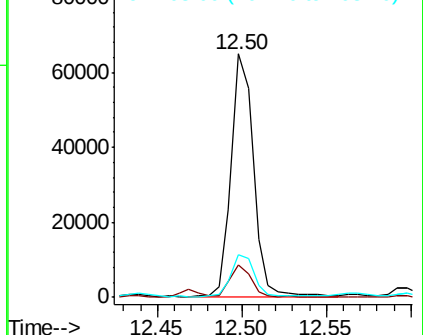
203 17.7 0.0 37.9



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# 2013

Delta R.T. -0.01 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

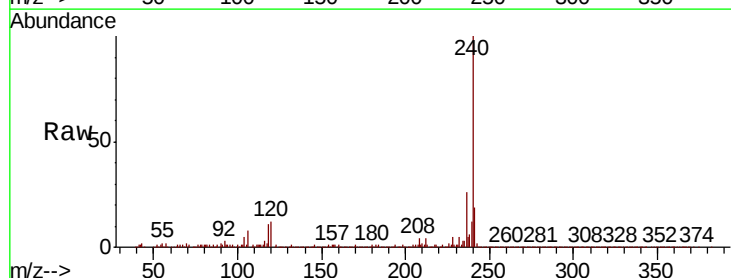
Tgt Ion:240 Resp: 278685

Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

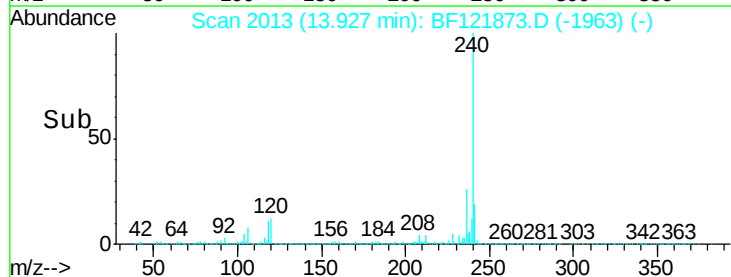
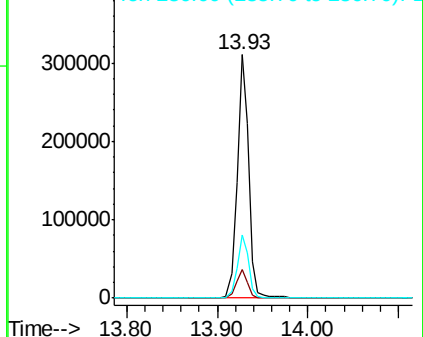
236 25.8 20.9 31.3

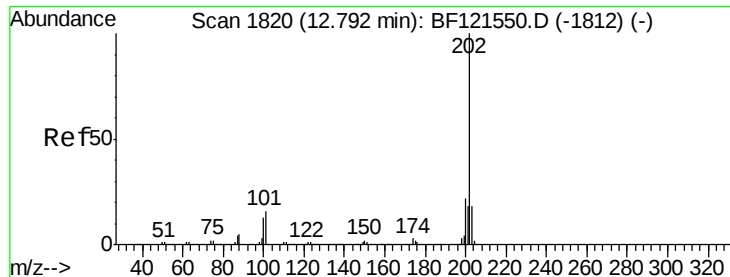


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

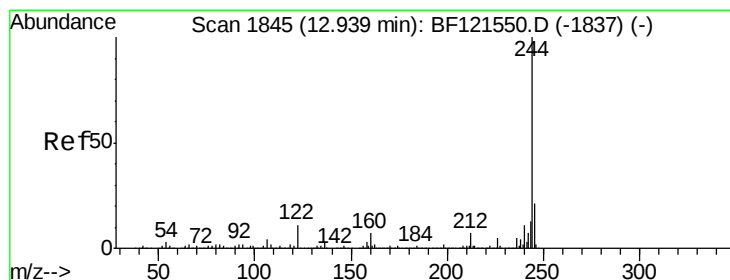
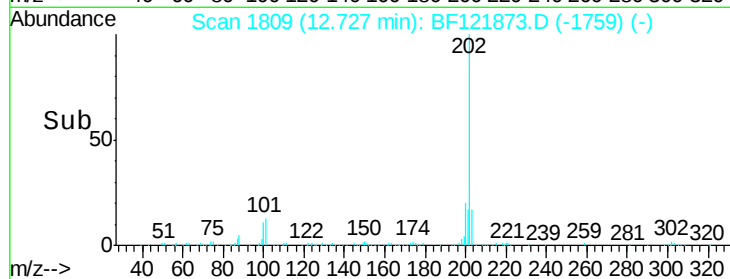
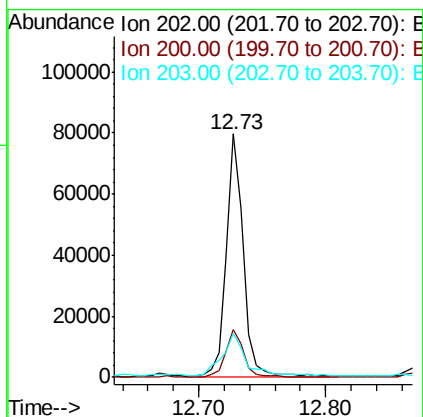
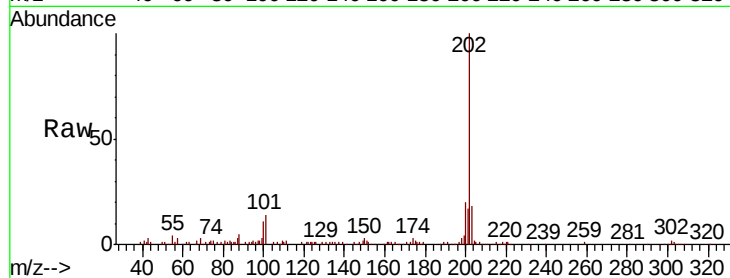




#78
Pvrene
Concen: 3.571 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

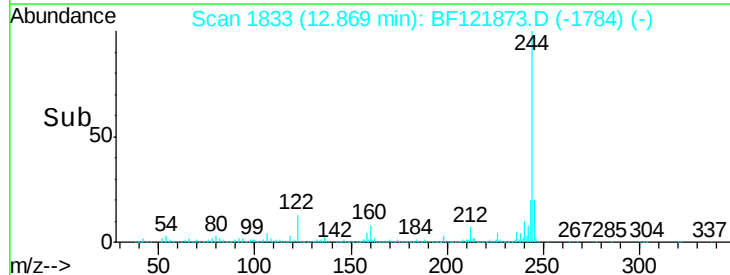
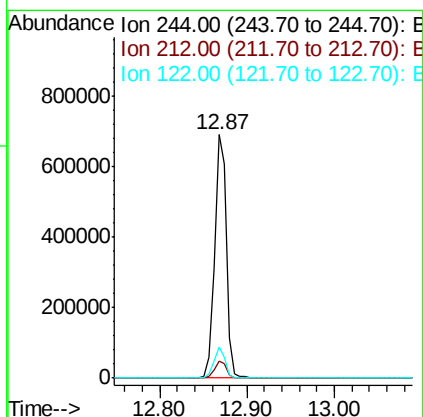
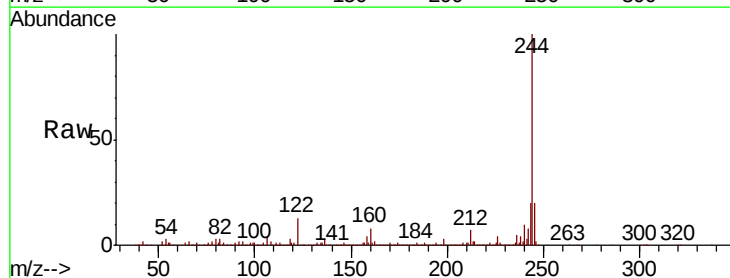
Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

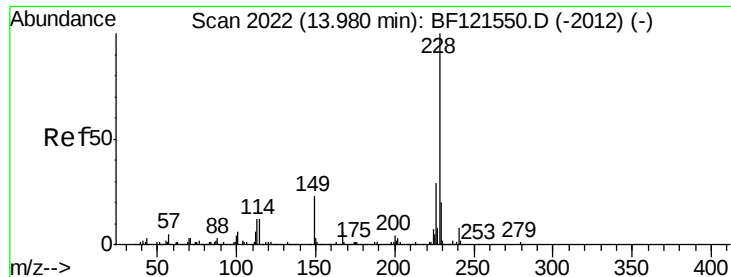
Tot Ion:202 Resp: 72705
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 46.637 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion:244 Resp: 641544
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 12.7 8.1 12.1#

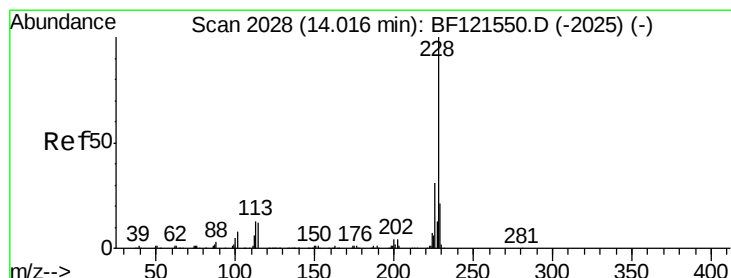
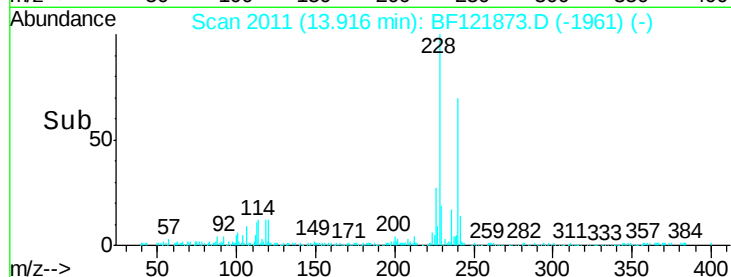
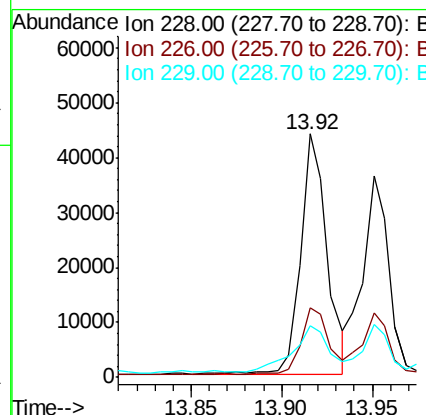
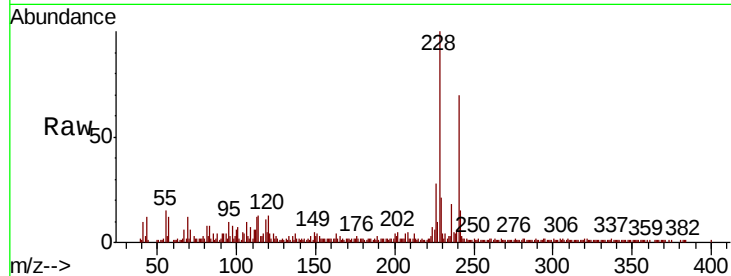




#81
Benzo(a)anthracene
Concen: 2.570 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

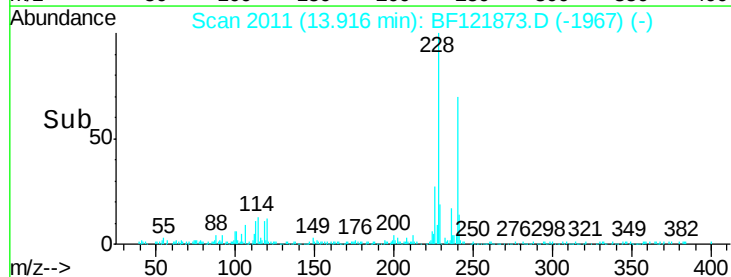
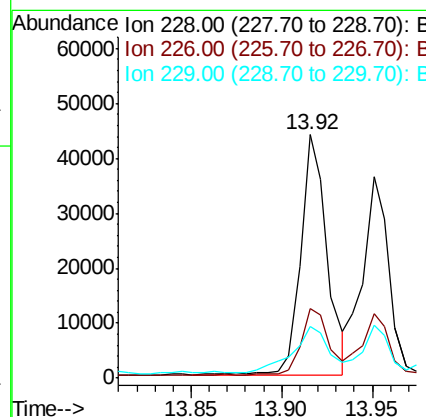
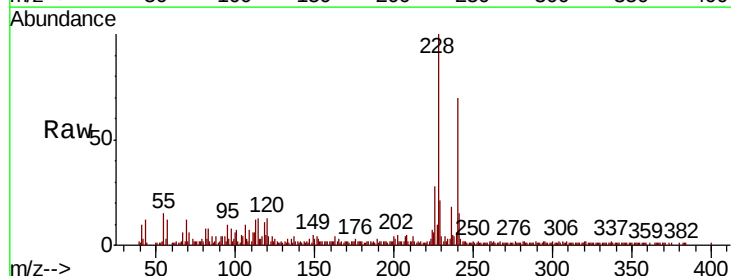
Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

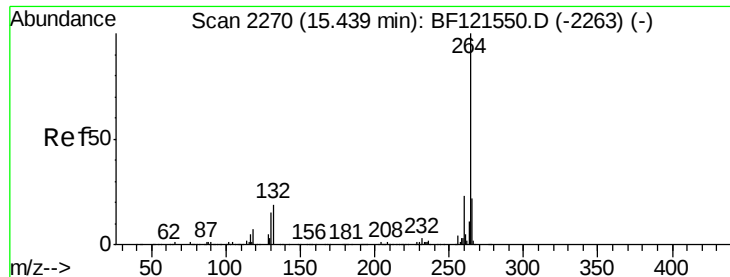
Tot Ion:228 Resp: 45304
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 21.2 16.2 24.4



#83
Chrysene
Concen: 2.538 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.04 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion:228 Resp: 45304
Ion Ratio Lower Upper
228 100
226 28.4 24.6 37.0
229 21.2 15.9 23.9

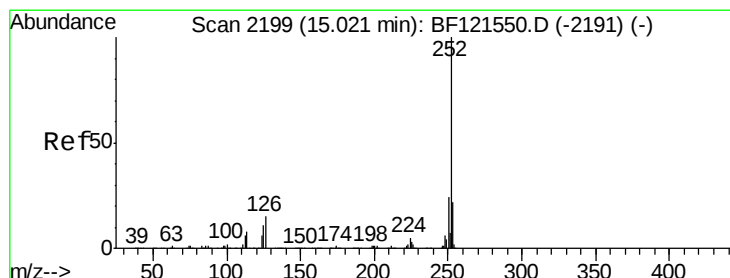
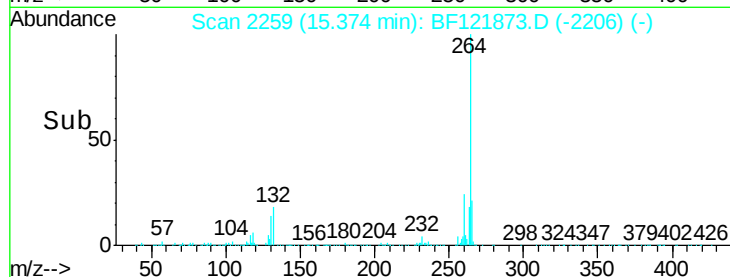
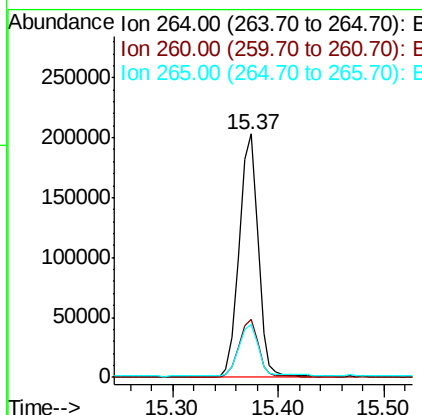
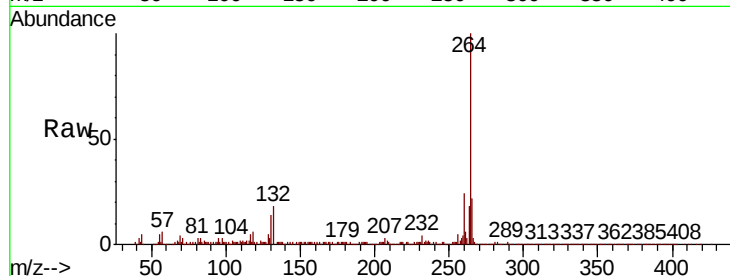




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

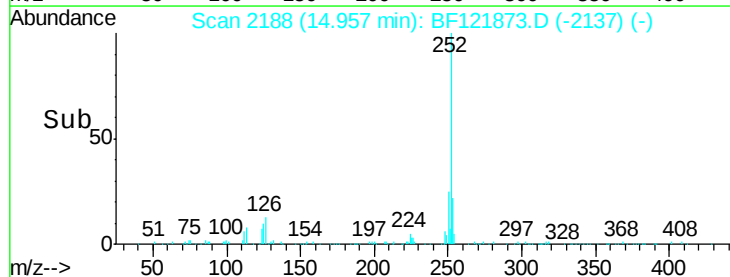
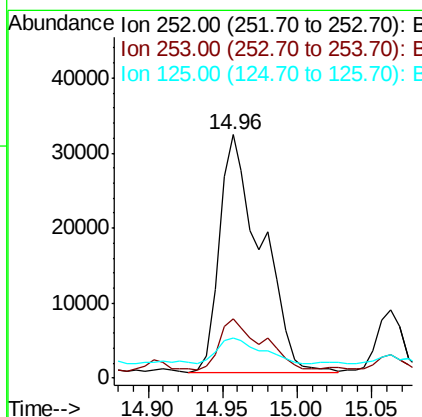
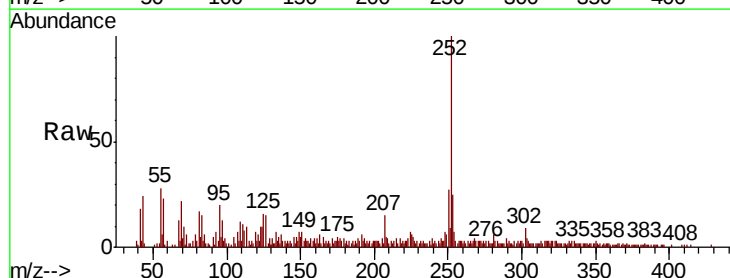
Instrument :
BNA_F
ClientSampleId :
PAV-B23-100220-10-19

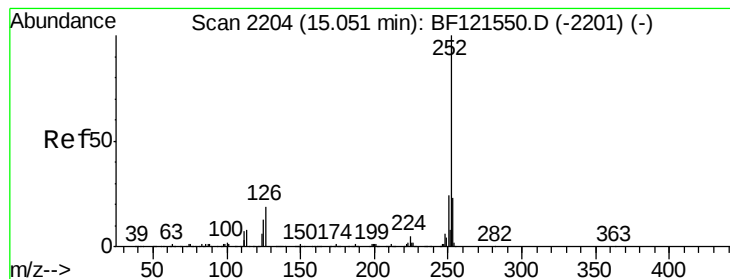
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.7	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 3.707 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121873.D
Acq: 7 Oct 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	16.3	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 4.048 ng

RT: 14.96 min Scan# 2188

Delta R.T. -0.03 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

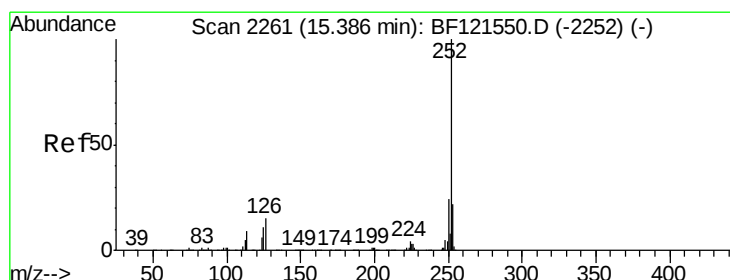
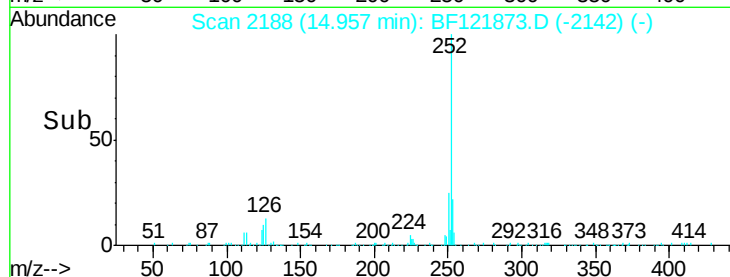
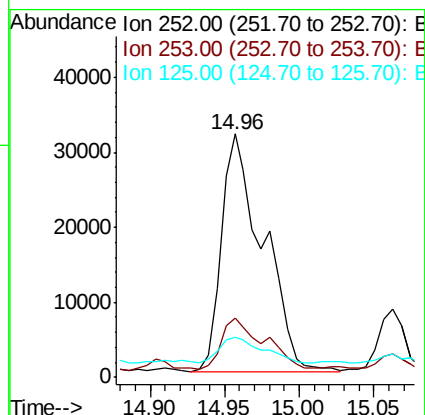
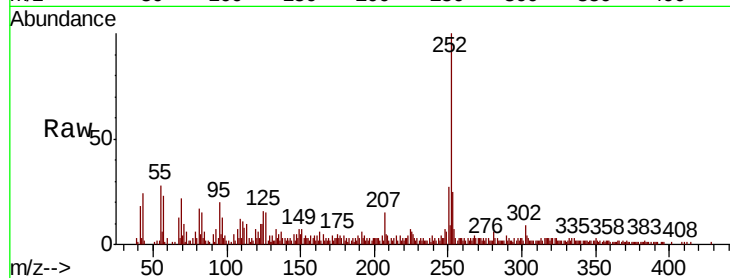
Instrument :

BNA_F

ClientSampleId :

PAV-B23-100220-10-19

Tot Ion:252	Resp:	61364
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.8 26.6
125	16.3	7.7 11.5#



#90

Benzo(a)pyrene

Concen: 2.996 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF121873.D

Acq: 7 Oct 2020 14:54

Tgt Ion:252	Resp:	42160
Ion Ratio	Lower	Upper
252	100	
253	25.5	17.3 25.9
125	15.6	8.6 13.0#

