

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121876.D
 Acq On : 7 Oct 2020 16:26
 Operator : JU/CG
 Sample : L4242-19 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B24-100120-DP

Quant Time: Oct 07 17:01:51 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

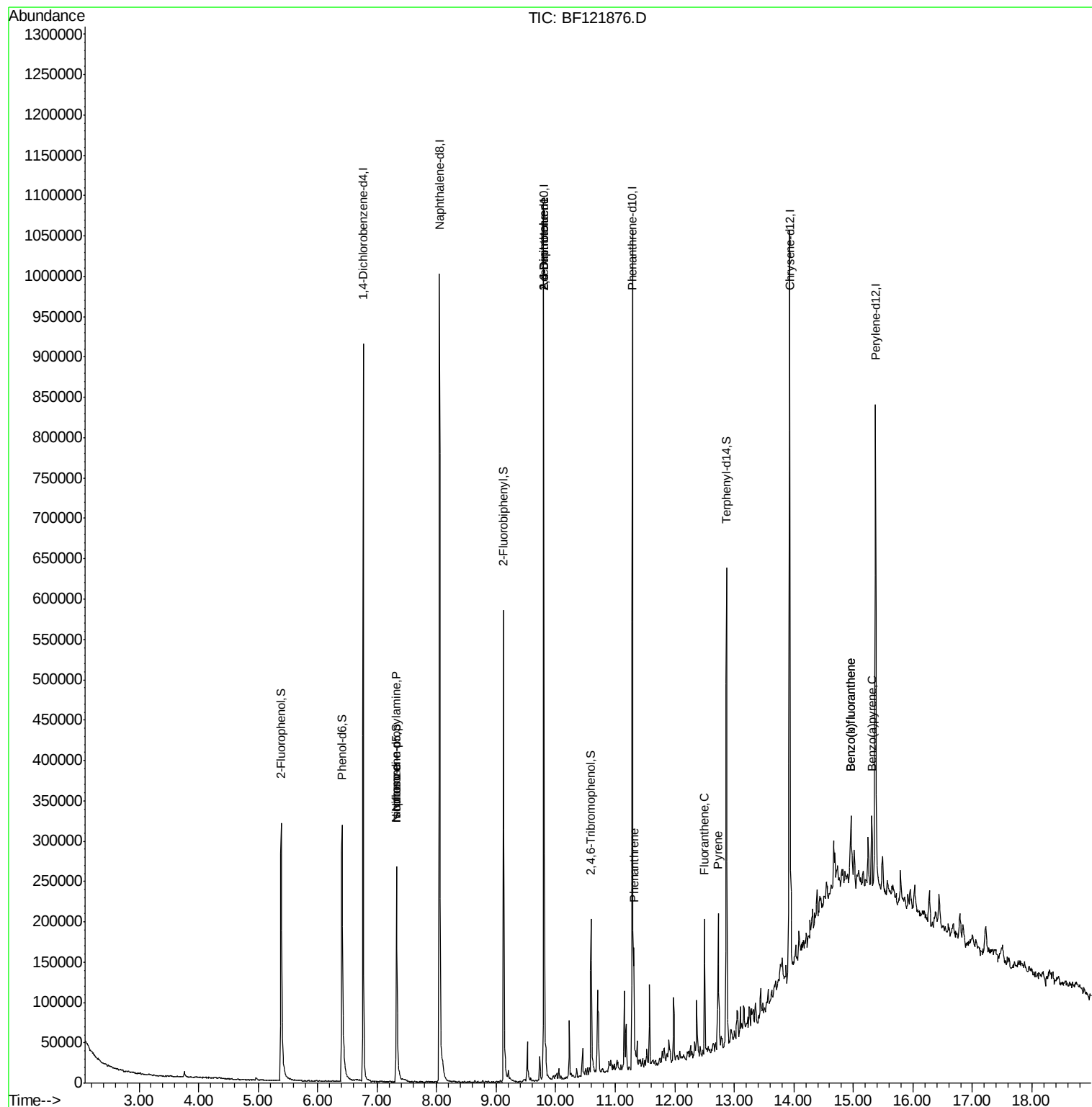
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	129598	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	498176	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	236983	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	369662	20.00	ng	0.00
76) Chrysene-d12	13.93	240	300328	20.00	ng	0.00
86) Perylene-d12	15.37	264	274998	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	130171	14.93	ng	0.00
7) Phenol-d6	6.41	99	169808	14.84	ng	0.00
23) Nitrobenzene-d5	7.33	82	107926	11.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	30777	10.45	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	216711	13.85	ng	-0.01
79) Terphenyl-d14	12.87	244	167246	11.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	14054	2.131	ng	# 81
25) Isophorone	7.33	82	107926	5.778	ng	# 67
51) 2,6-Dinitrotoluene	9.80	165	29826	8.154	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	29826	6.481	ng	# 20
71) Phenanthrene	11.31	178	42924	2.131	ng	99
75) Fluoranthene	12.50	202	64005	2.977	ng	98
78) Pyrene	12.73	202	66348	3.024	ng	99
88) Benzo(b)fluoranthene	14.96	252	60084	3.268	ng	# 90
89) Benzo(k)fluoranthene	14.96	252	60084	3.569	ng	# 89
90) Benzo(a)pyrene	15.31	252	36165	2.314	ng	# 92

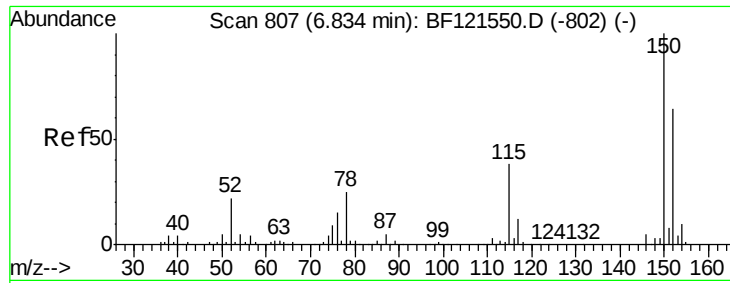
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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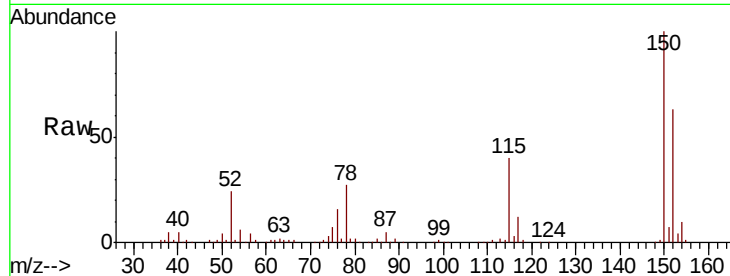


#1

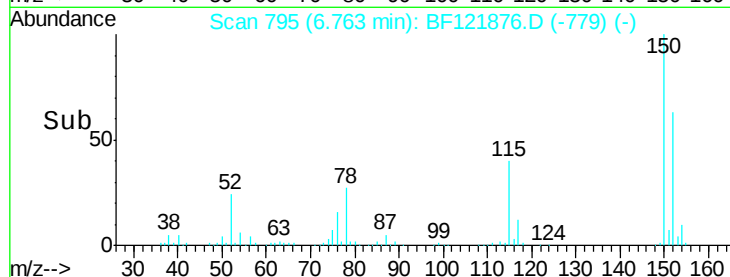
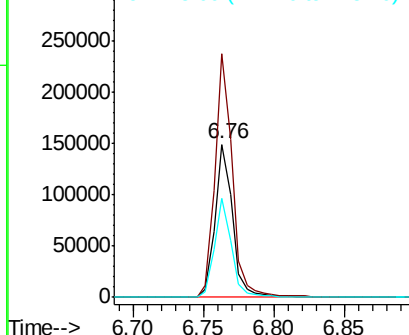
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion:152 Resp: 129598
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 64.2 51.9 77.9



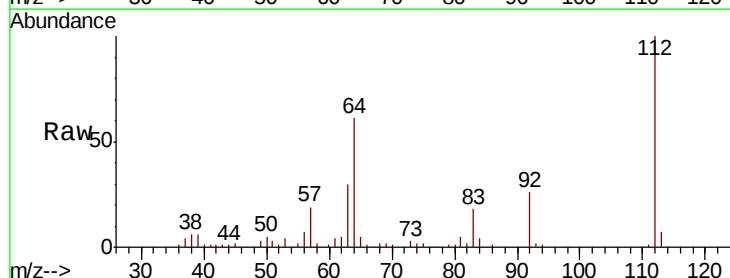
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



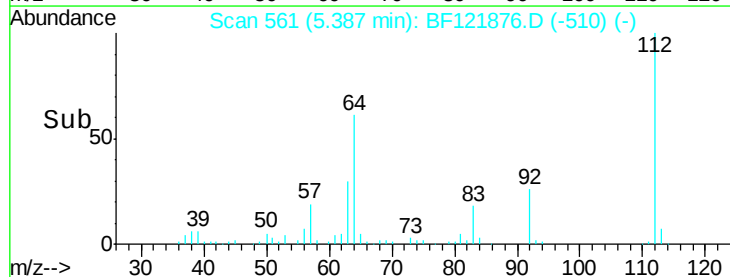
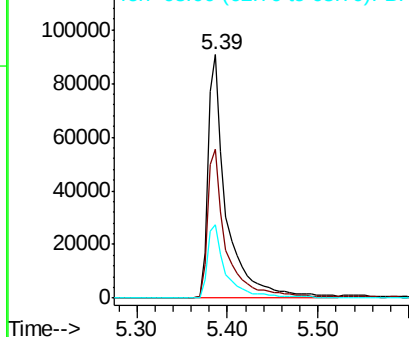
#5

2-Fluorophenol
Concen: 14.927 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion:112 Resp: 130171
Ion Ratio Lower Upper
112 100
64 60.9 50.4 75.6
63 30.0 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: 14.842 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-DP

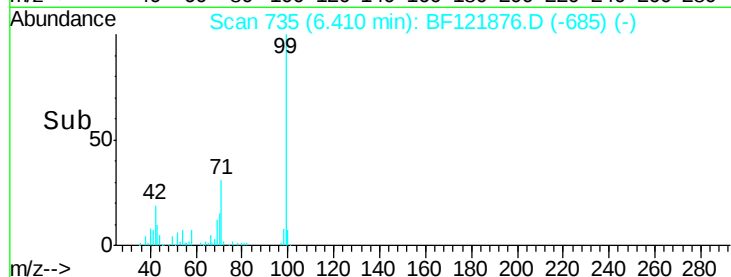
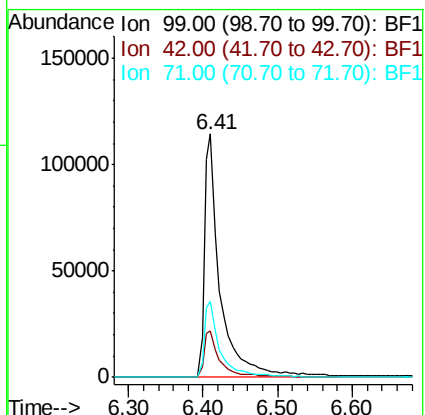
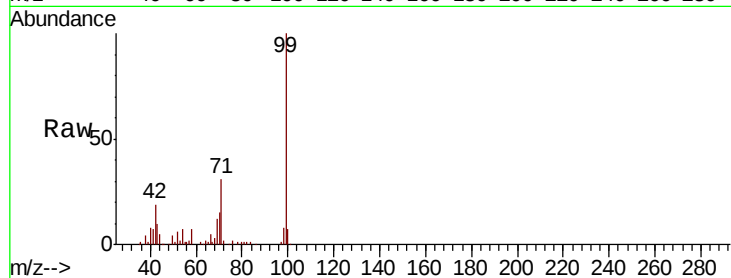
Tot Ion: 99 Resp: 169808

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 31.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.131 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Tgt Ion: 70 Resp: 14054

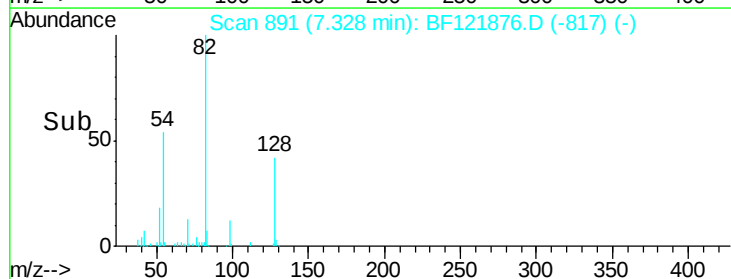
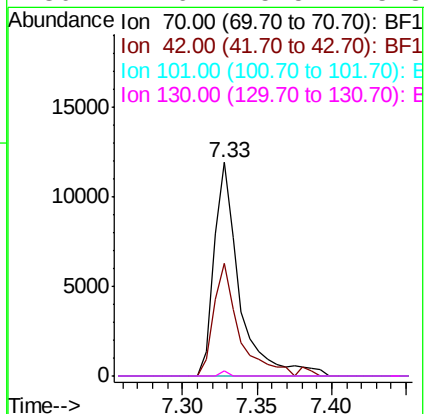
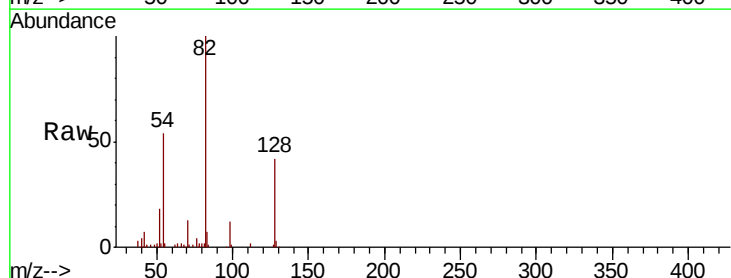
Ion Ratio Lower Upper

70 100

42 52.8 50.2 75.4

101 0.0 7.5 11.3#

130 2.6 15.5 23.3#

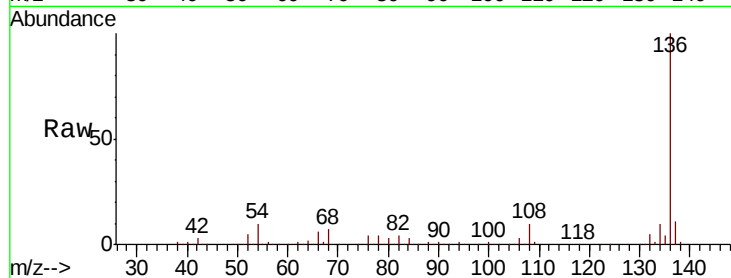




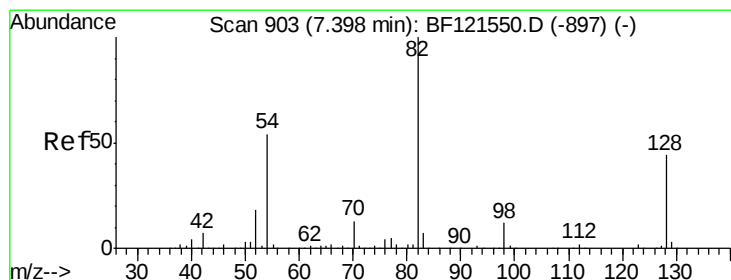
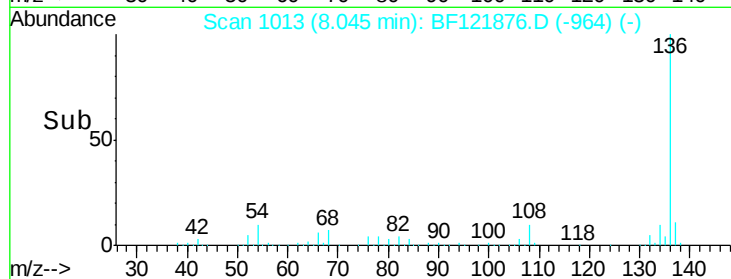
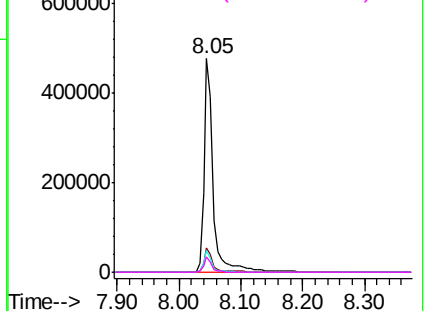
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion:136	Resp:	498176
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.6 13.0
54	10.1	7.1 10.7
68	7.1	5.0 7.4

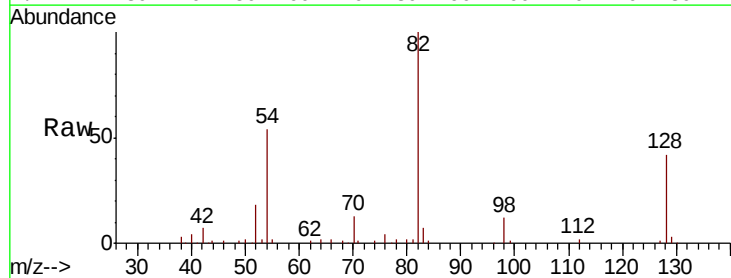


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

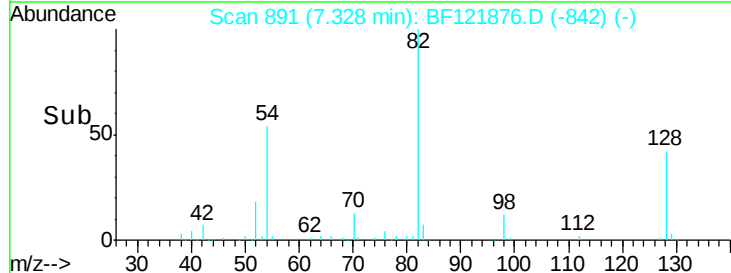
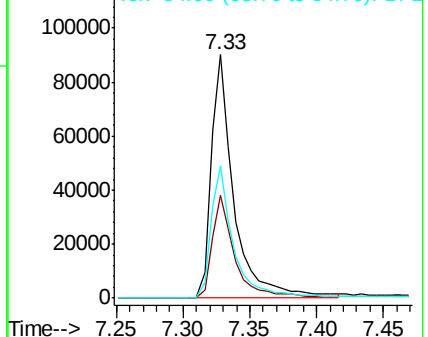


#23
Nitrobenzene-d5
Concen: 11.632 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion: 82	Resp:	107926
Ion	Ratio	Lower Upper
82	100	
128	42.1	35.0 52.4
54	54.4	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: 5.778 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-DP

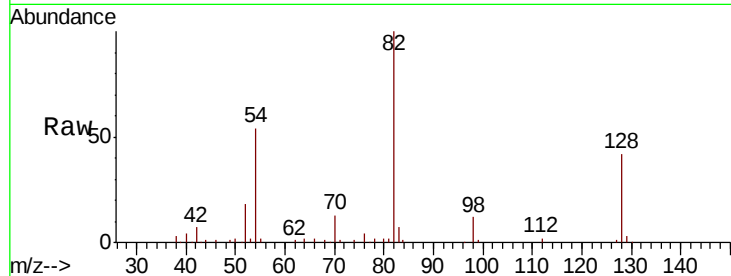
Tot Ion: 82 Resp: 107926

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

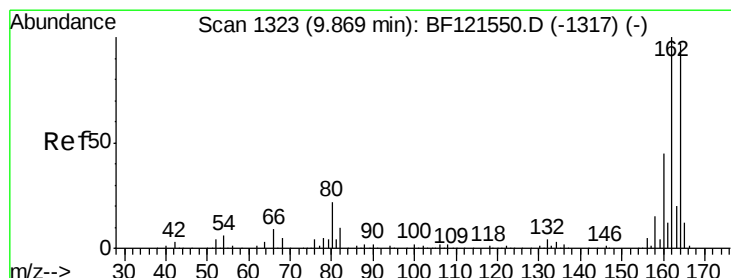
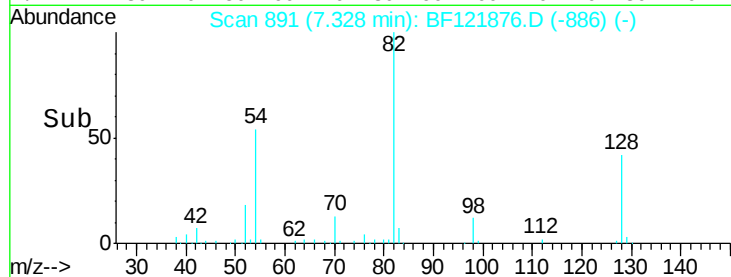
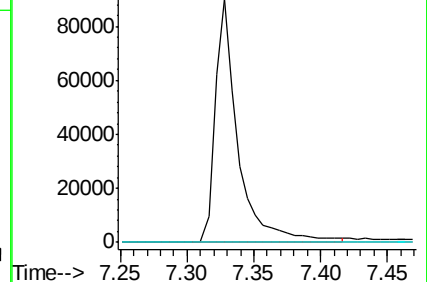
138 0.0 13.4 20.0#



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: BF121876.D

Acq: 7 Oct 2020 16:26

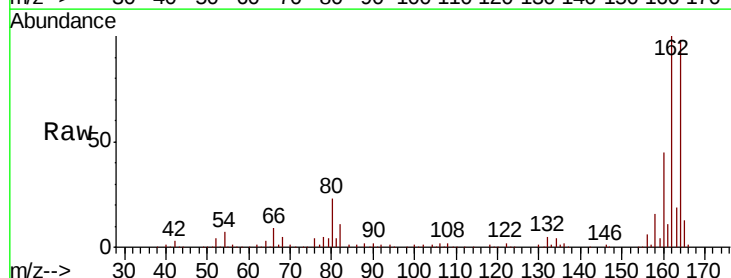
Tgt Ion: 164 Resp: 236983

Ion Ratio Lower Upper

164 100

162 102.4 83.2 124.8

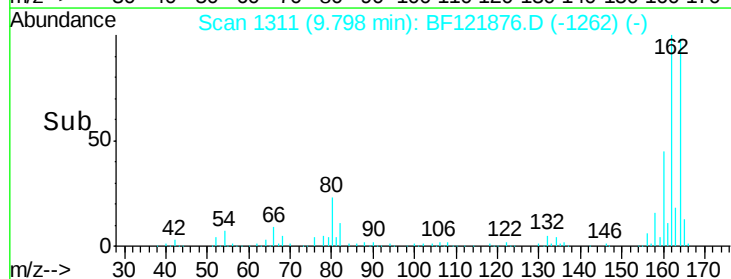
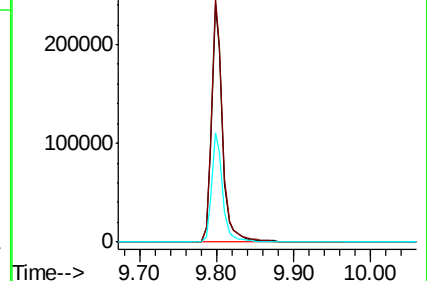
160 46.0 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

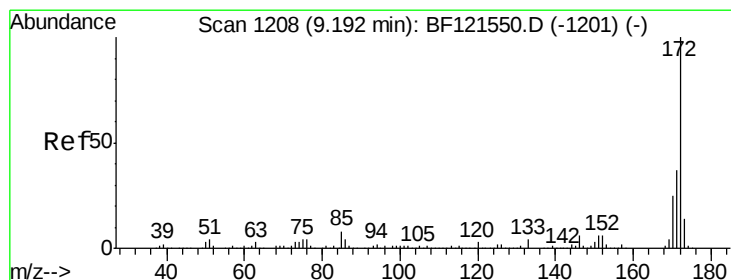
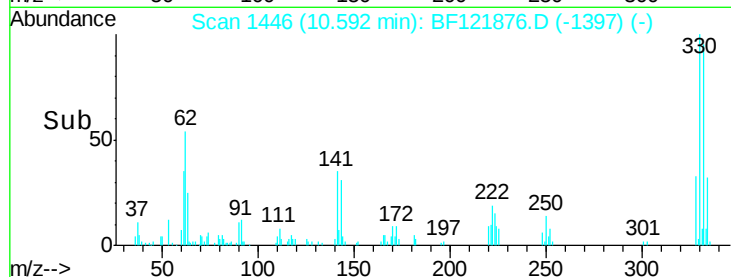
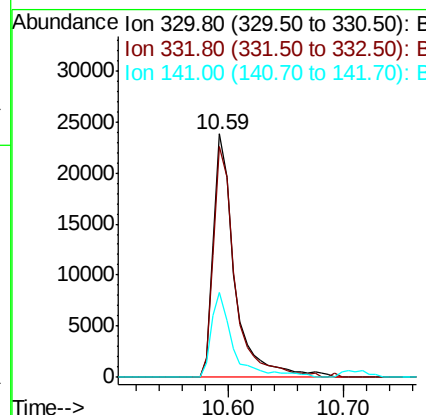
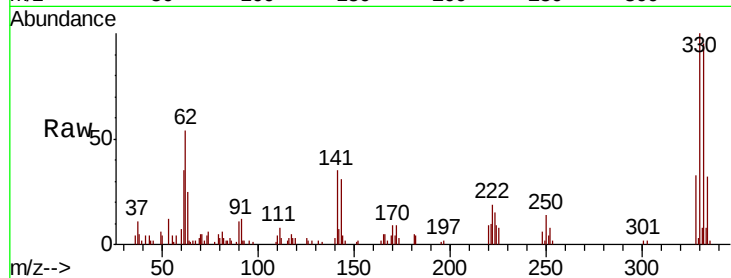




#42
 2,4,6-Tribromophenol
 Concen: 10.449 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

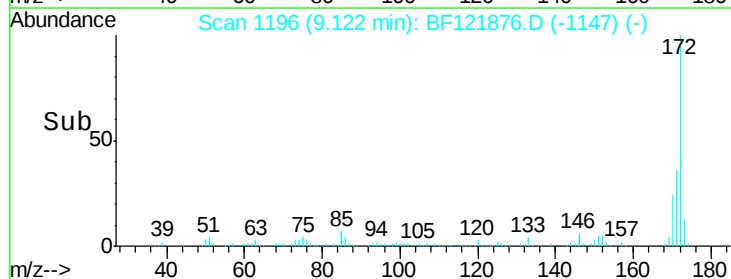
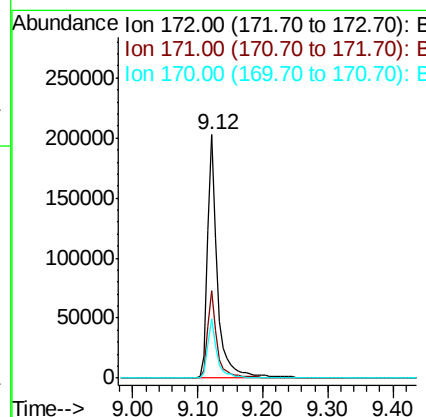
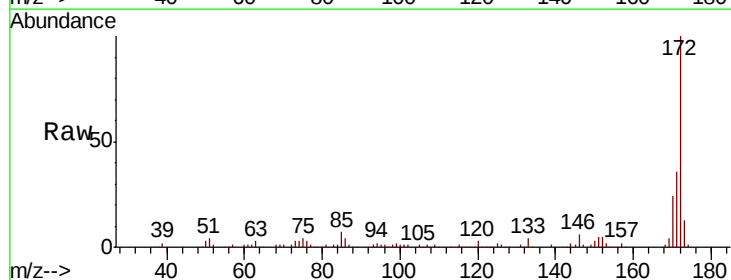
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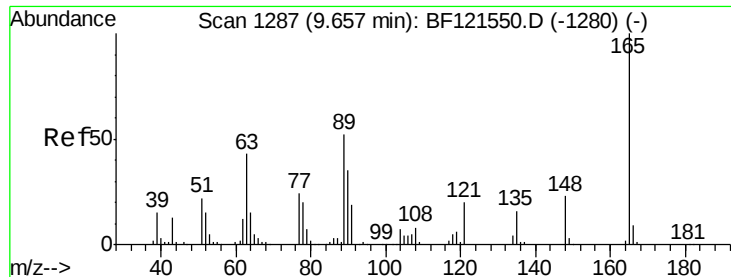
Tot Ion:330 Resp: 30777
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 35.2 22.3 33.5#



#45
 2-Fluorobiphenyl
 Concen: 13.850 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

Tgt Ion:172 Resp: 216711
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.1 43.7
 170 24.1 19.8 29.6

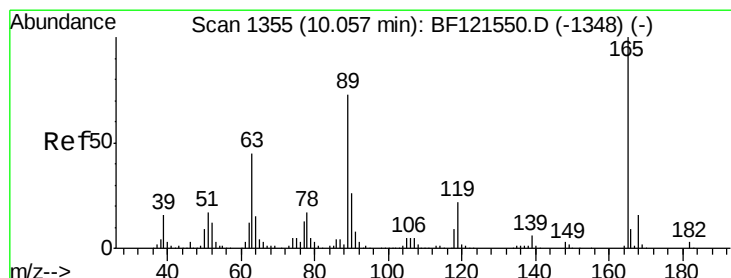
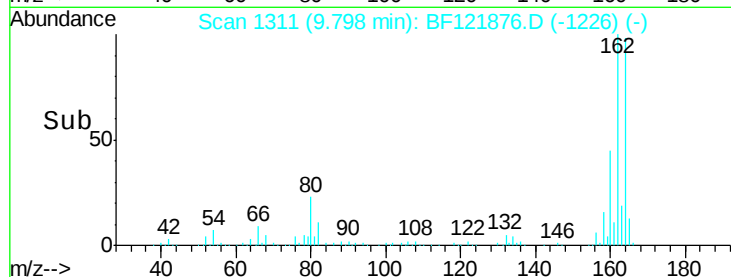
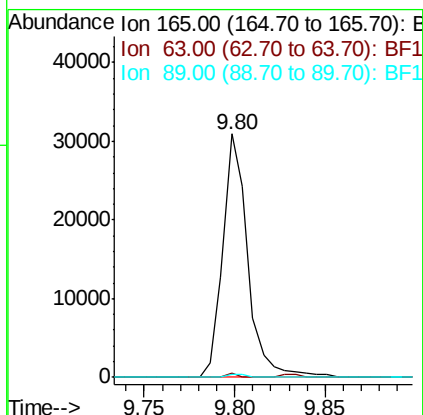
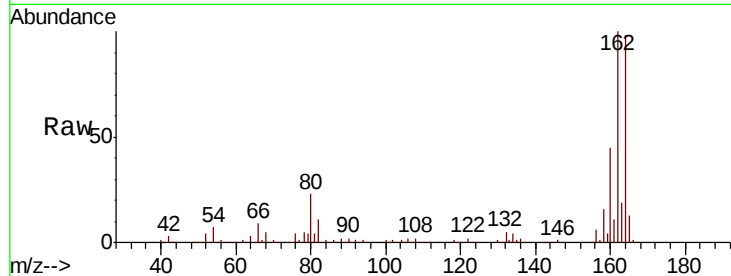




#51
 2,6-Dinitrotoluene
 Concen: 8.154 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

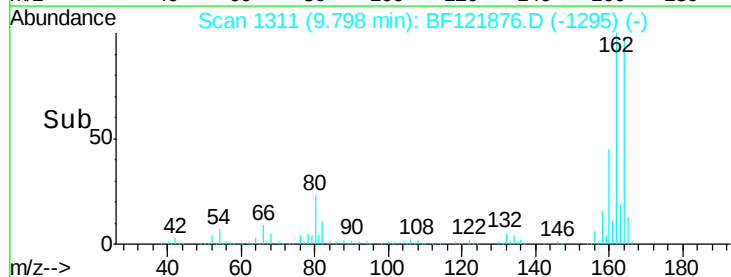
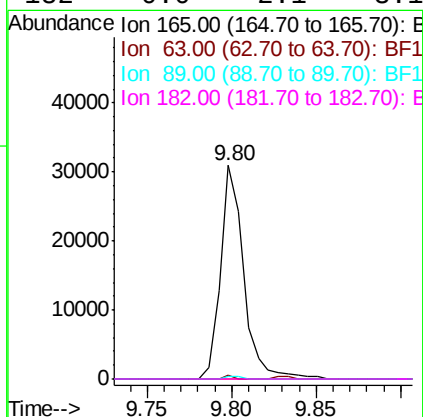
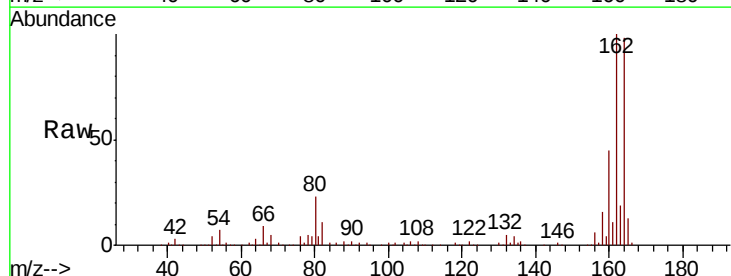
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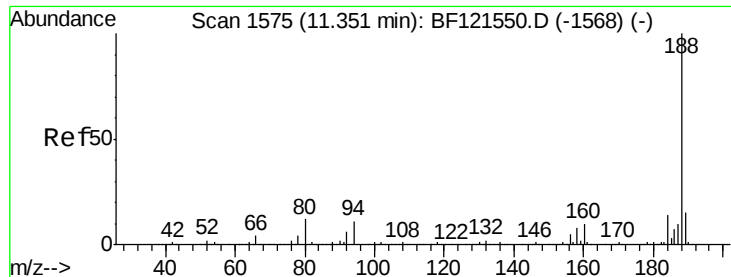
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.6#
89	1.4	49.0	73.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.481 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121876.D
 Acq: 7 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	41.3	61.9#
89	1.4	61.8	92.8#
182	0.0	2.1	3.1#

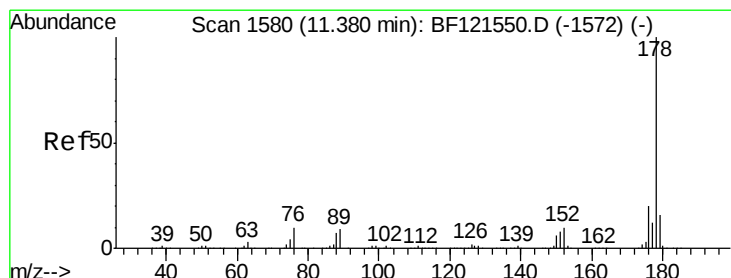
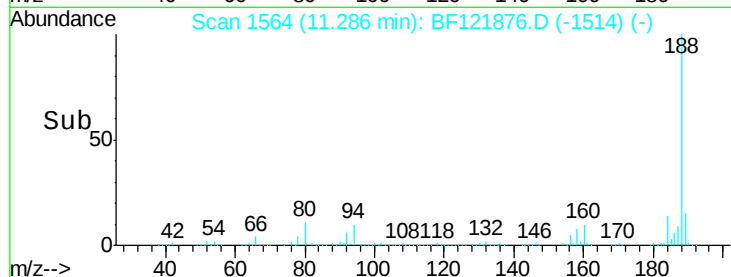
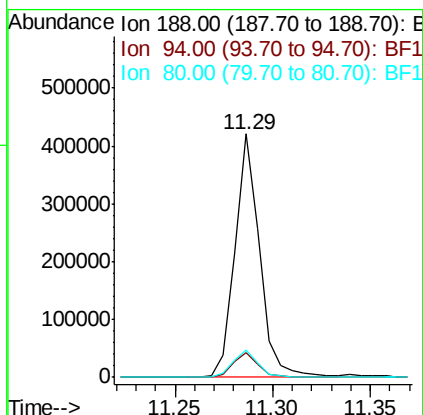
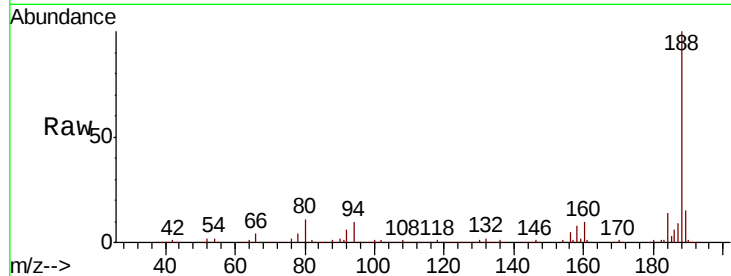




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

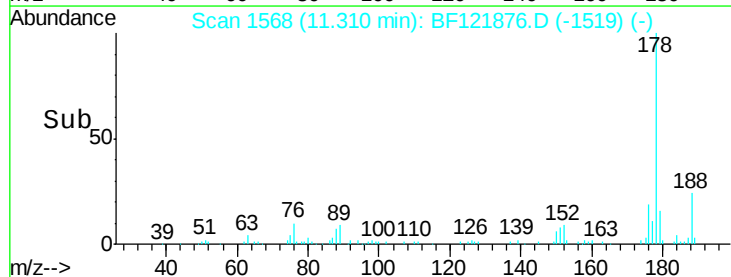
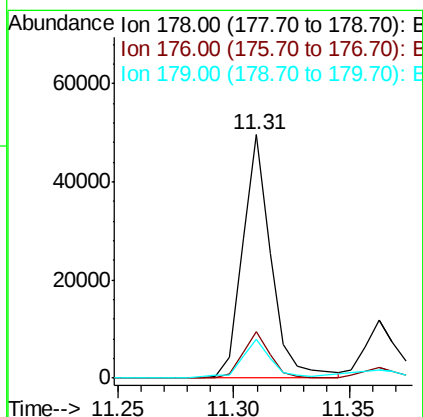
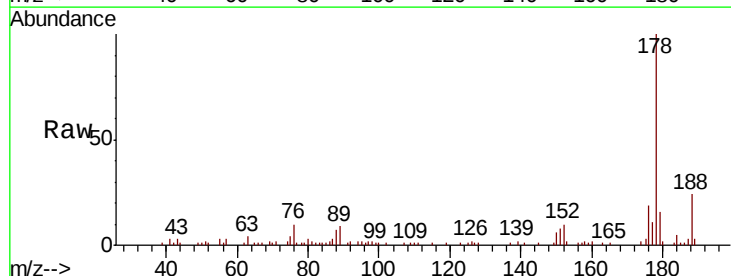
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

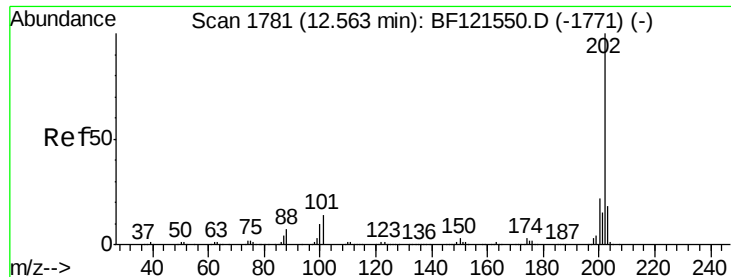
Tot Ion:188 Resp: 369662
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.4 9.1 13.7



#71
Phenanthrene
Concen: 2.131 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion:178 Resp: 42924
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 2.977 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121876.D

Acq: 7 Oct 2020 16:26

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-DP

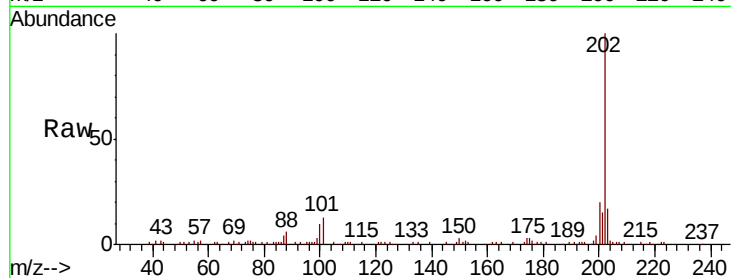
Tot Ion:202 Resp: 64005

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.4

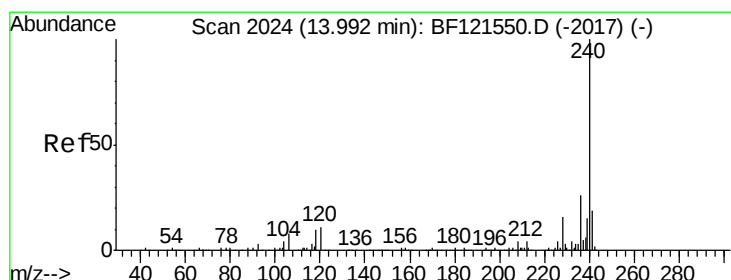
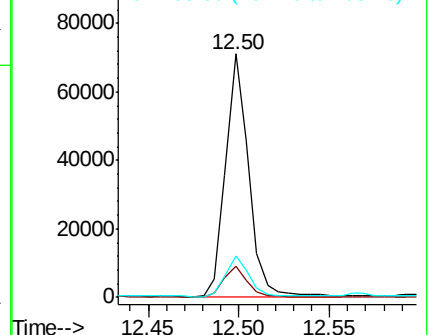
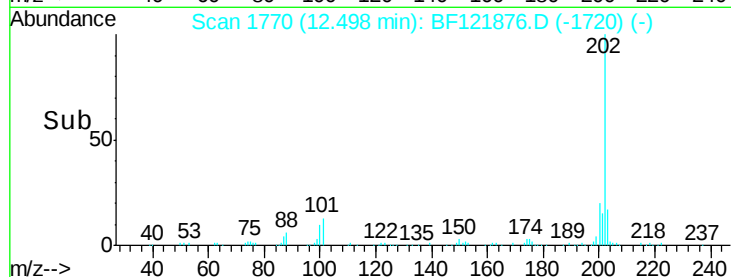
203 16.9 0.0 37.9



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: BF121876.D

Acq: 7 Oct 2020 16:26

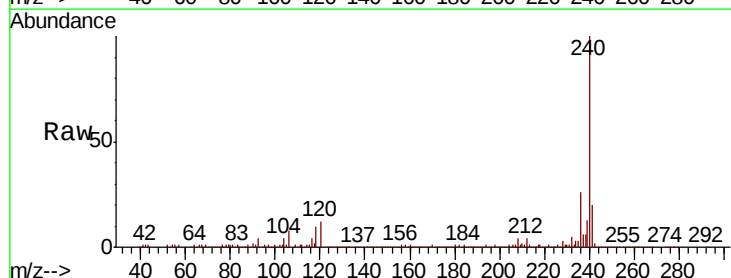
Tgt Ion:240 Resp: 300328

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

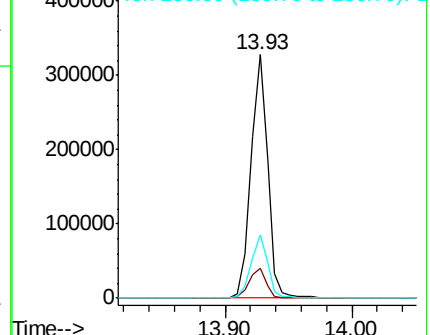
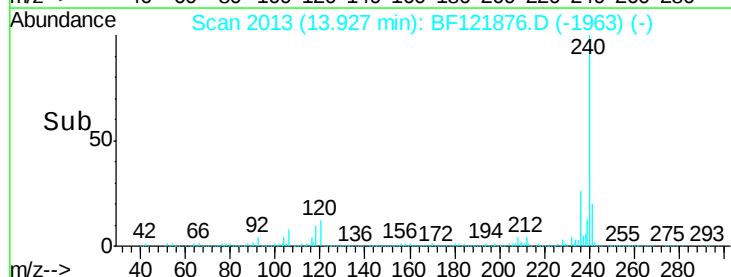
236 25.9 20.9 31.3

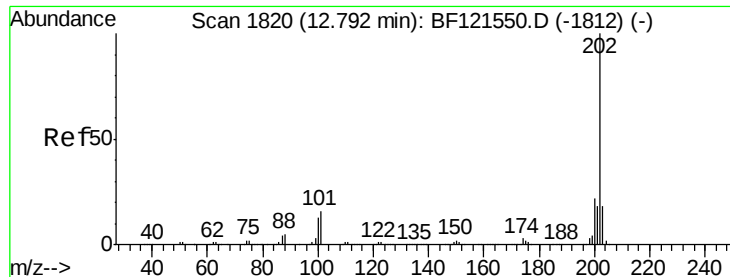


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

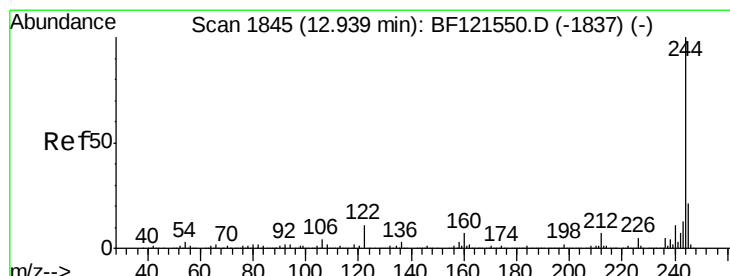
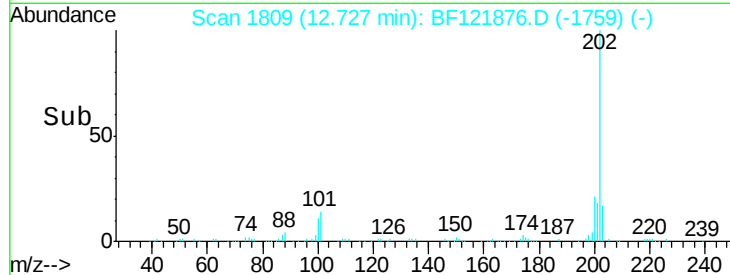
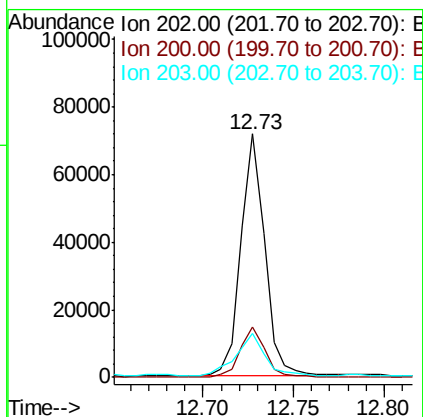
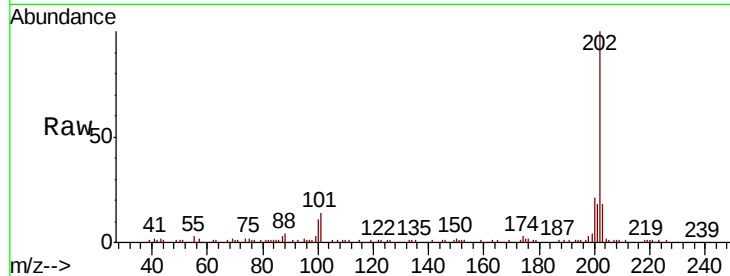




#78
Pvrene
Concen: 3.024 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

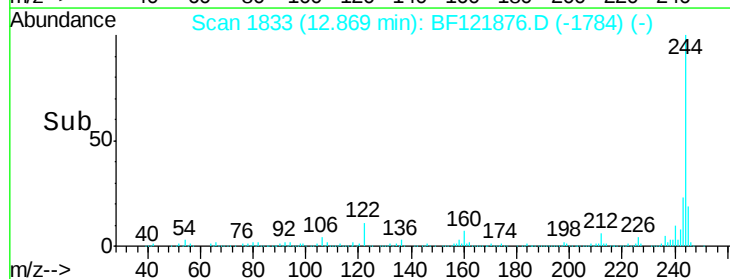
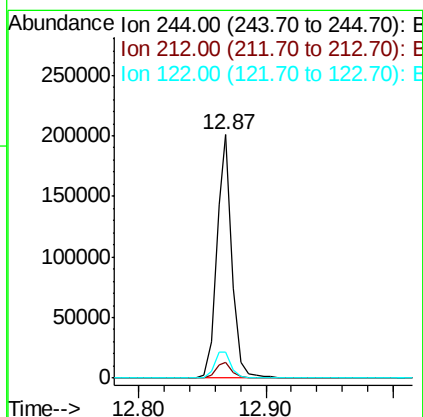
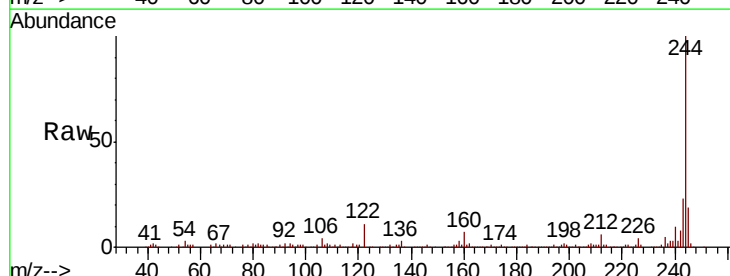
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

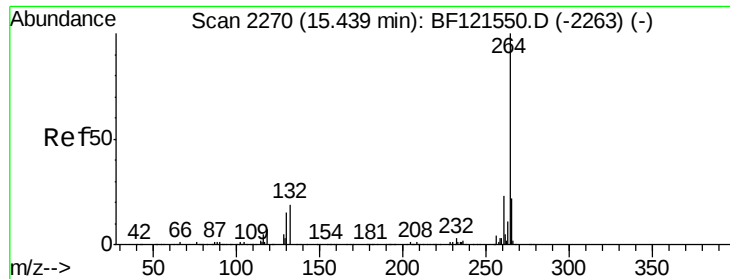
Tot Ion:202 Resp: 66348
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 11.282 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion:244 Resp: 167246
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.7 8.1 12.1

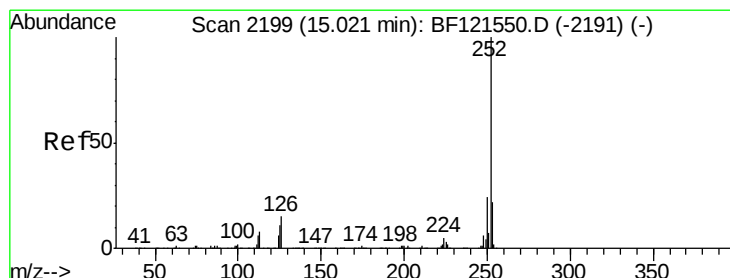
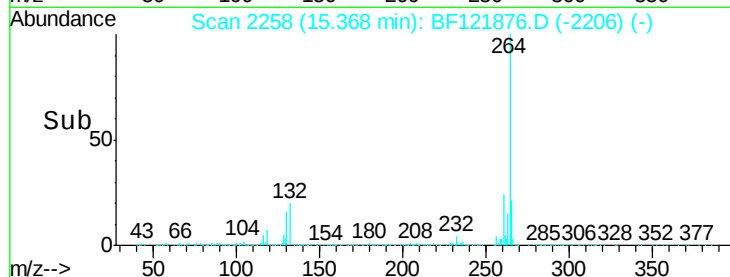
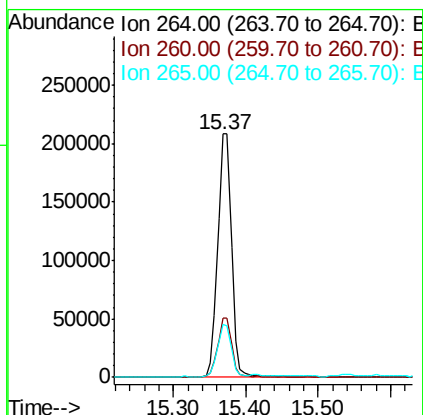
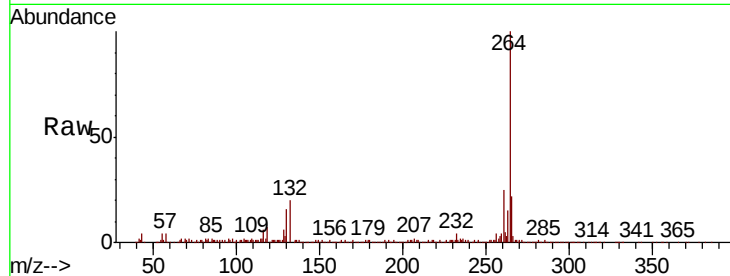




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

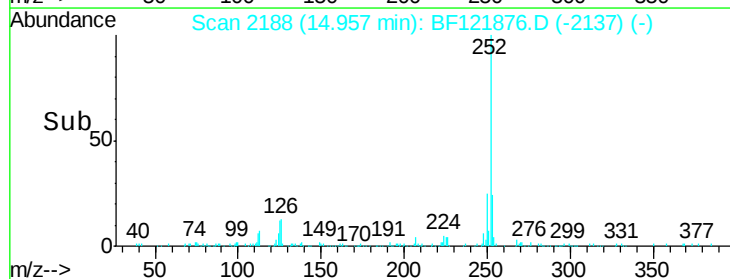
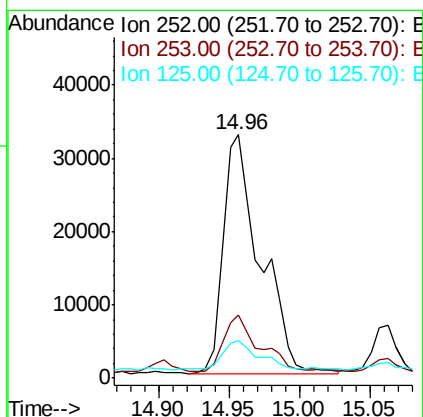
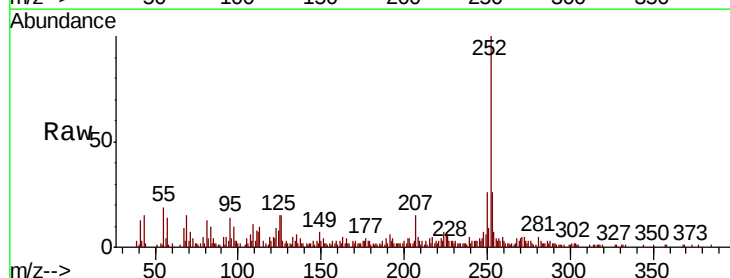
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

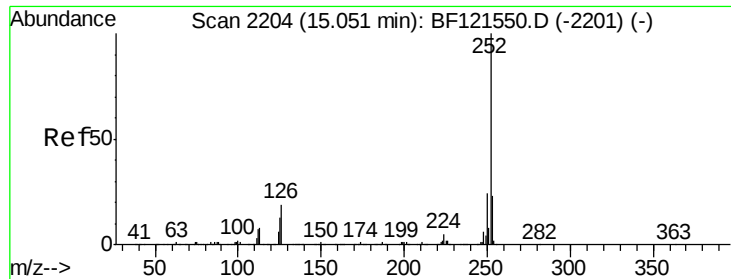
Tot Ion:264 Resp: 274998
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 21.8 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 3.268 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion:252 Resp: 60084
Ion Ratio Lower Upper
252 100
253 26.2 18.2 27.2
125 15.5 8.0 12.0#

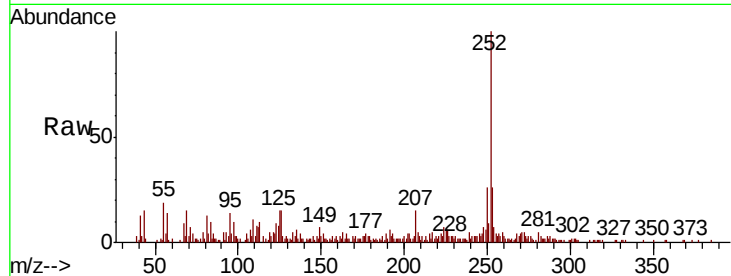




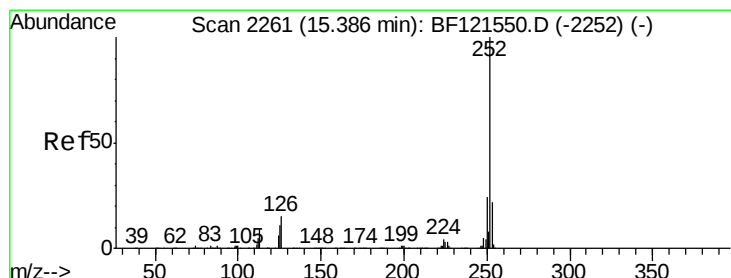
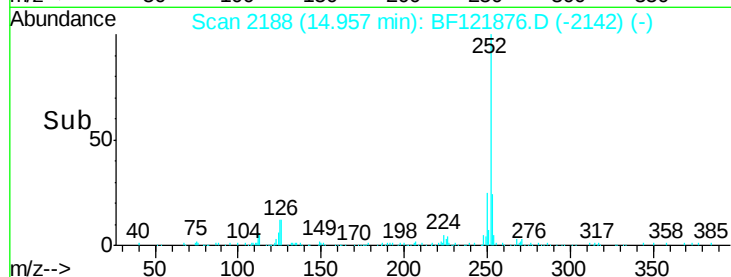
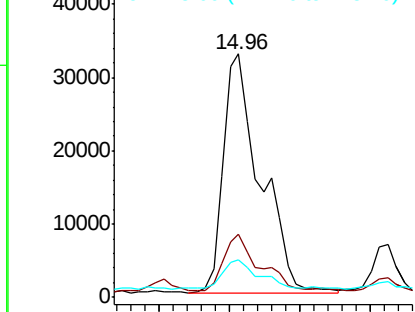
#89
Benzo(k)fluoranthene
Concen: 3.569 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-DP

Tot Ion:252 Resp: 60084
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.6
125 15.5 7.7 11.5#

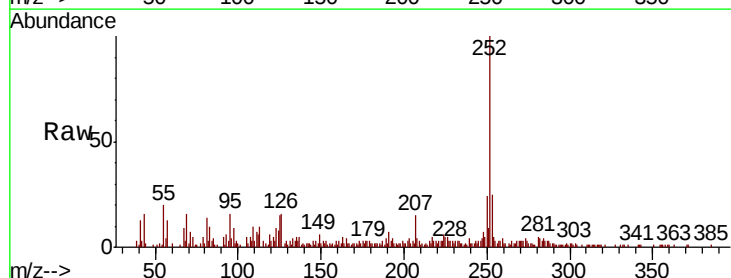


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.314 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF121876.D
Acq: 7 Oct 2020 16:26

Tgt Ion:252 Resp: 36165
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 14.9 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

