

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121871.D
 Acq On : 7 Oct 2020 13:52
 Operator : JU/CG
 Sample : L4242-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B24-100120-0-10

Quant Time: Oct 07 14:45:27 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	120444	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	470179	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	230577	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	377536	20.00	ng	0.00
76) Chrysene-d12	13.93	240	256816	20.00	ng	0.00
86) Perylene-d12	15.37	264	271112	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	129636	16.00	ng	0.00
7) Phenol-d6	6.41	99	170599	16.04	ng	0.00
23) Nitrobenzene-d5	7.33	82	111709	12.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	35958	12.55	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	225078	14.78	ng	-0.01
79) Terphenyl-d14	12.87	244	177295	13.99	ng	-0.01

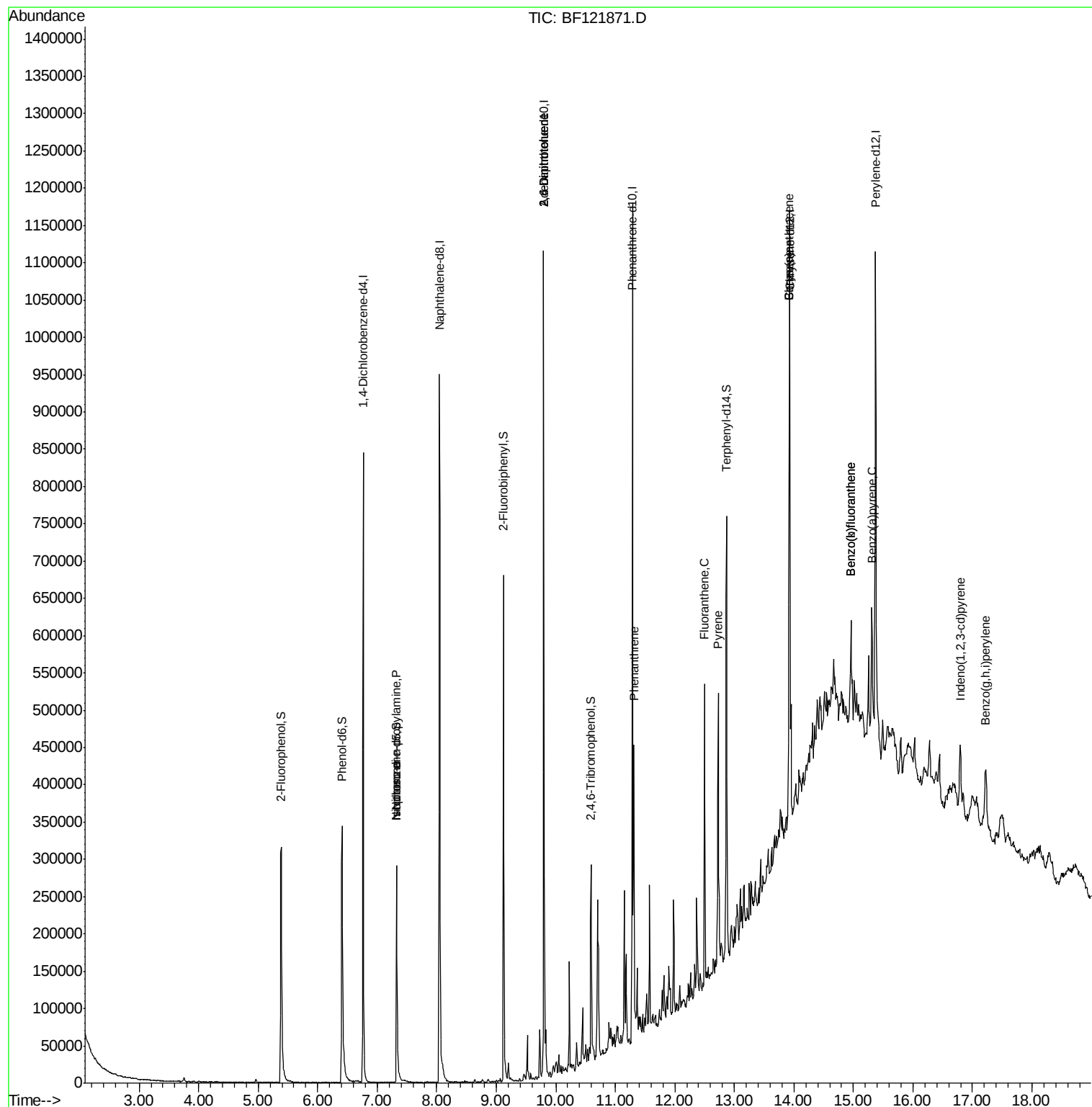
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	14662	2.393	ng	# 78
25) Isophorone	7.33	82	111708	6.337	ng	# 67
51) 2,6-Dinitrotoluene	9.80	165	30420	8.547	ng	# 20
57) 2,4-Dinitrotoluene	9.80	165	30421	6.794	ng	# 20
71) Phenanthrene	11.31	178	129262	6.284	ng	99
75) Fluoranthene	12.50	202	146542	6.674	ng	99
78) Pyrene	12.73	202	146467	7.806	ng	98
81) Benzo(a)anthracene	13.92	228	67606	4.161	ng	97
83) Chrysene	13.92	228	67606	4.109	ng	94
87) Indeno(1,2,3-cd)pyrene	16.79	276	51927	2.941	ng	97
88) Benzo(b)fluoranthene	14.96	252	111484	6.151	ng	# 93
89) Benzo(k)fluoranthene	14.96	252	111484	6.717	ng	# 92
90) Benzo(a)pyrene	15.31	252	70314	4.564	ng	# 91
92) Benzo(a,h,i)perylene	17.22	276	61865	4.282	ng	95

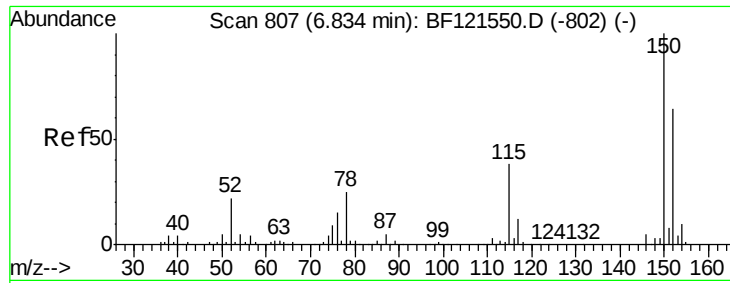
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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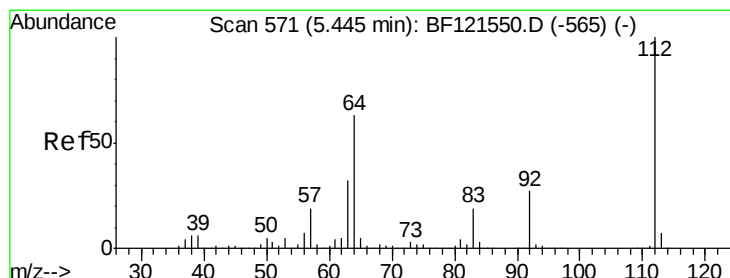
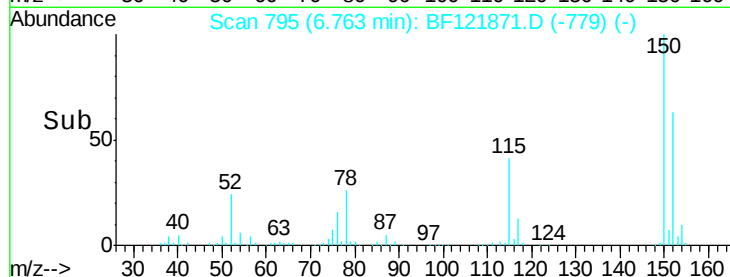
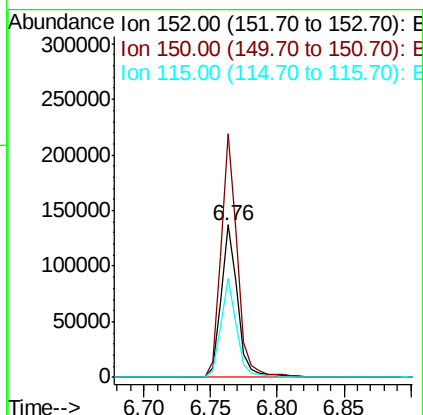
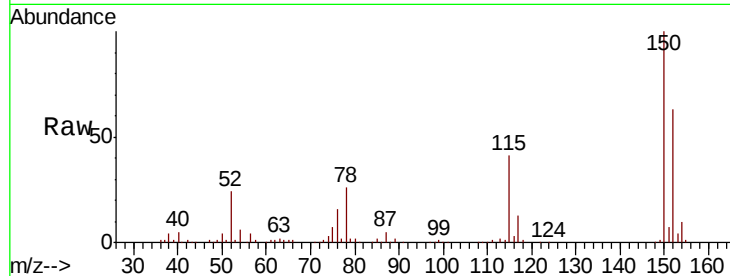


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

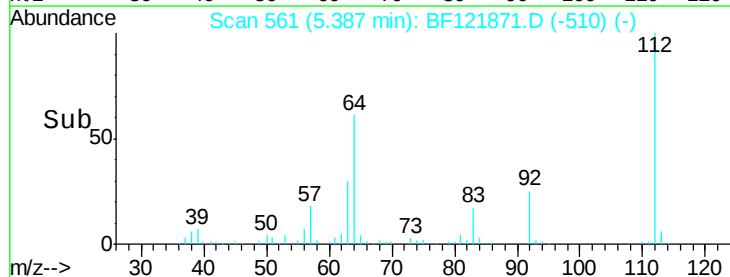
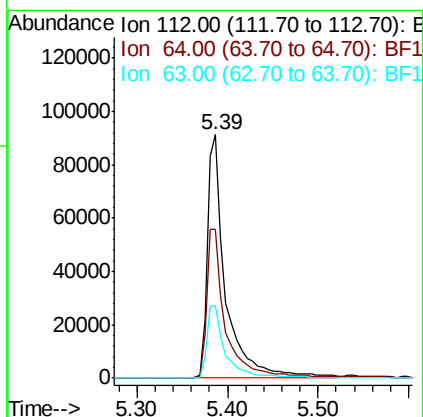
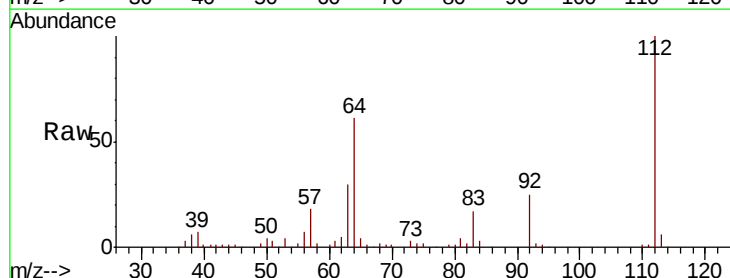
Tot Ion:152 Resp: 120444
Ion Ratio Lower Upper
152 100
150 159.6 125.3 187.9
115 65.3 51.9 77.9



#5

2-Fluorophenol
Concen: 15.995 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion:112 Resp: 129636
Ion Ratio Lower Upper
112 100
64 60.9 50.4 75.6
63 29.6 25.8 38.6





#7

Phenol-d6

Concen: 16.045 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121871.D

Acq: 7 Oct 2020 13:52

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-0-10

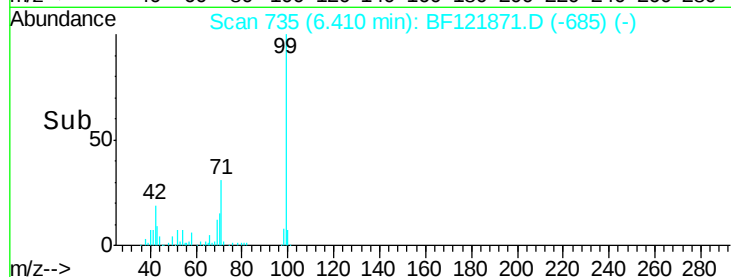
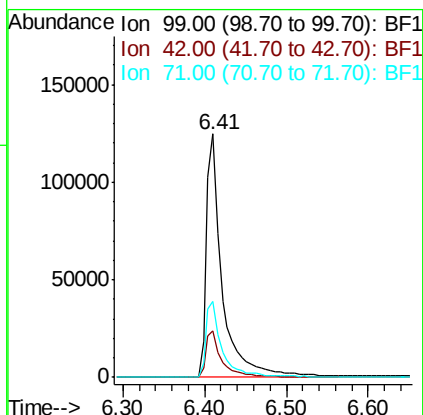
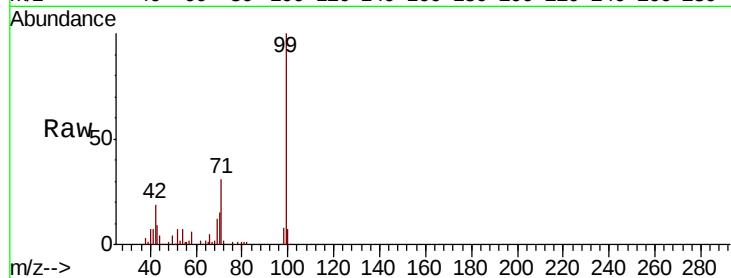
Tot Ion: 99 Resp: 170599

Ion Ratio Lower Upper

99 100

42 18.9 15.9 23.9

71 31.3 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.393 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121871.D

Acq: 7 Oct 2020 13:52

Tgt Ion: 70 Resp: 14662

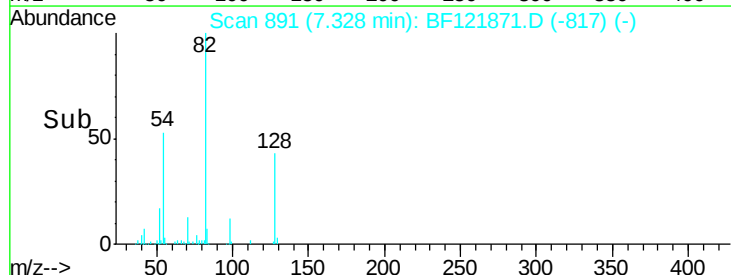
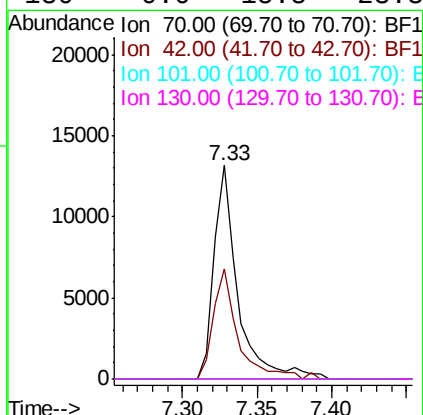
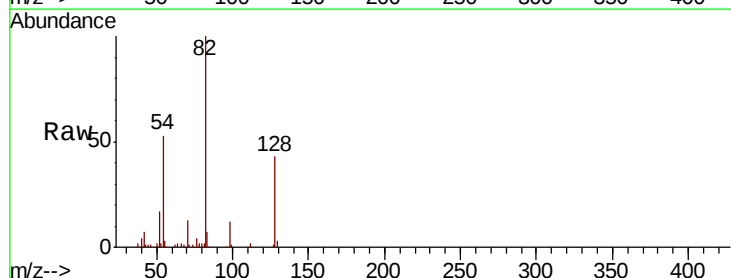
Ion Ratio Lower Upper

70 100

42 51.5 50.2 75.4

101 0.0 7.5 11.3#

130 0.0 15.5 23.3#

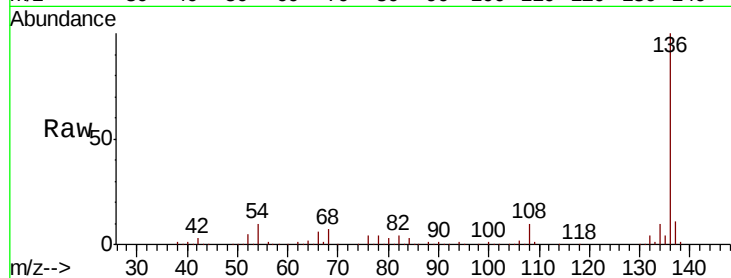




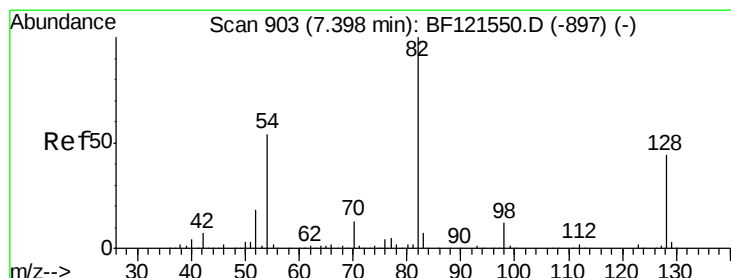
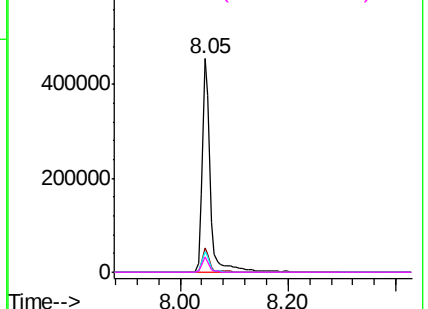
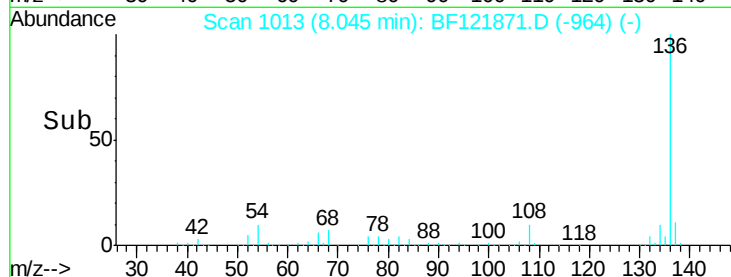
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

Tot Ion:136	Resp:	470179
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.6 13.0
54	9.6	7.1 10.7
68	7.1	5.0 7.4

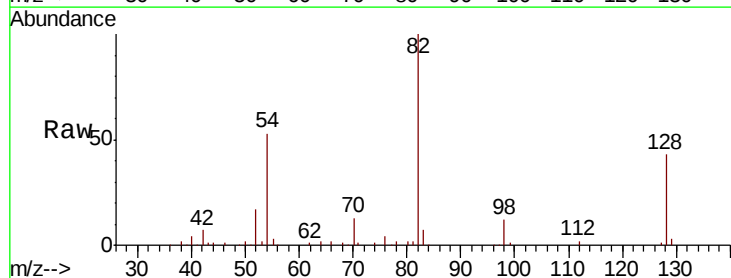


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

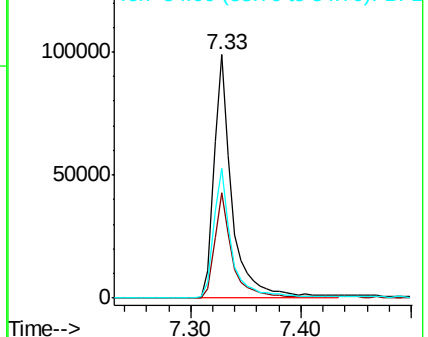
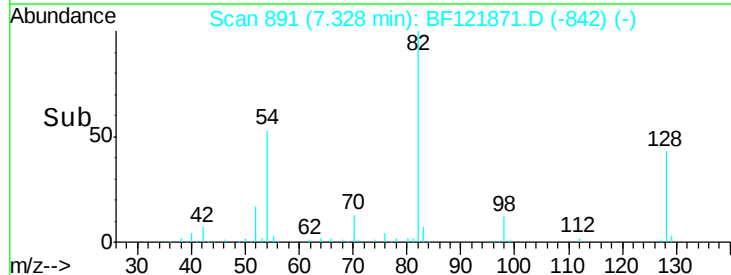


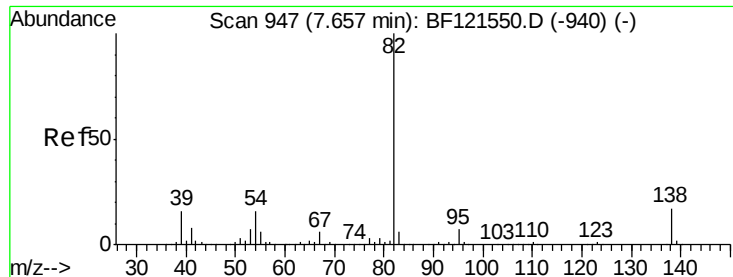
#23
Nitrobenzene-d5
Concen: 12.757 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion: 82	Resp:	111709
Ion	Ratio	Lower Upper
82	100	
128	43.2	35.0 52.4
54	53.2	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: 6.337 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121871.D

Acq: 7 Oct 2020 13:52

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-0-10

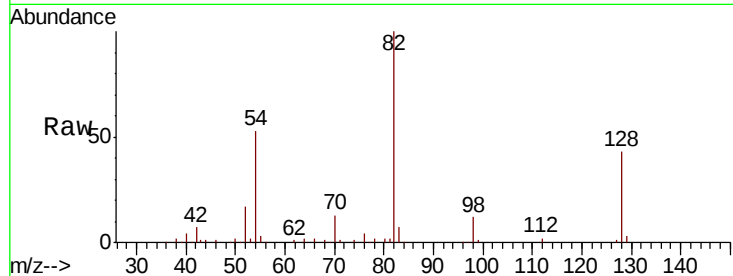
Tot Ion: 82 Resp: 111708

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

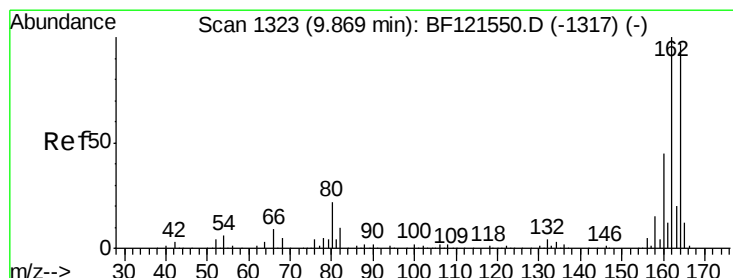
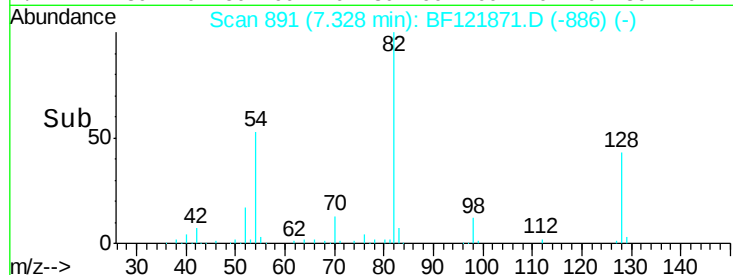
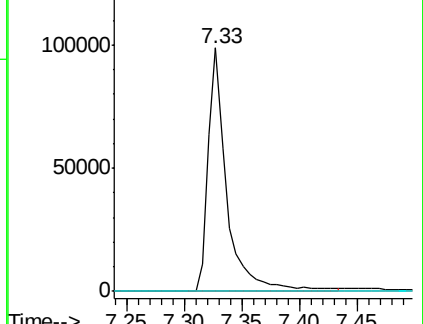
138 0.0 13.4 20.0#



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: BF121871.D

Acq: 7 Oct 2020 13:52

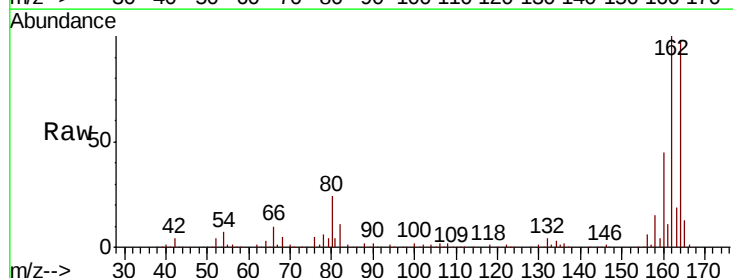
Tgt Ion: 164 Resp: 230577

Ion Ratio Lower Upper

164 100

162 102.1 83.2 124.8

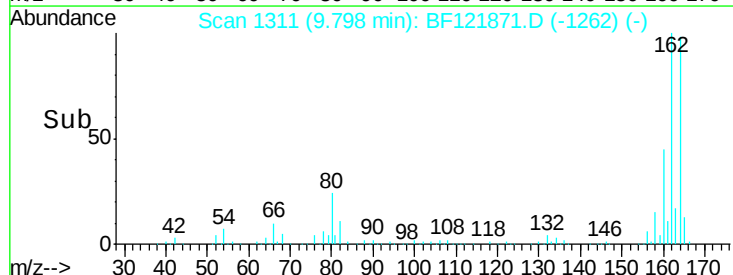
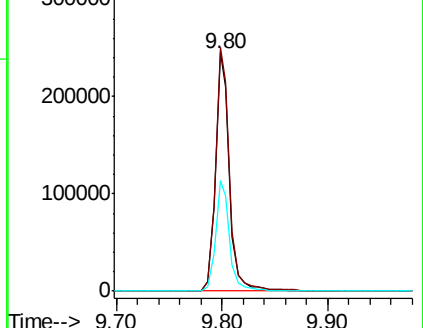
160 46.4 37.5 56.3



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

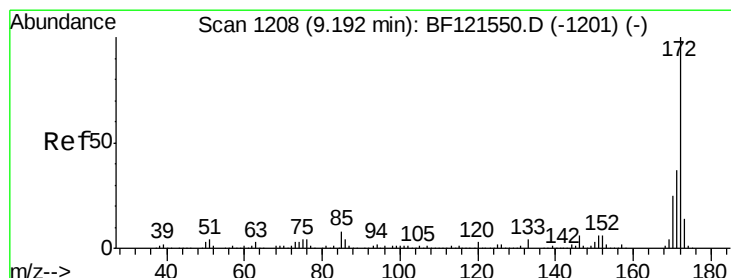
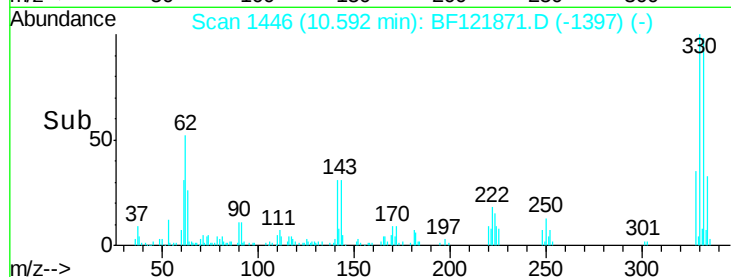
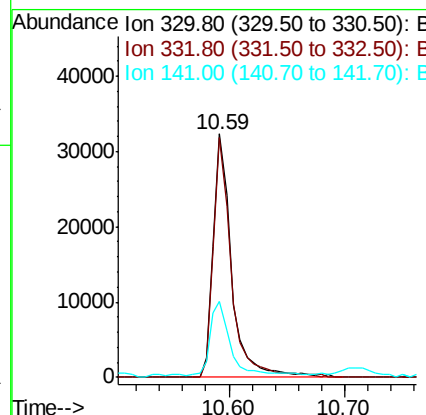
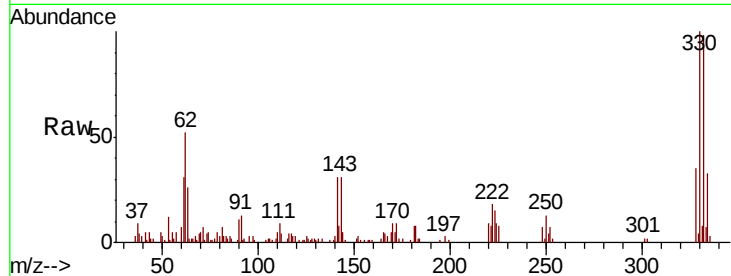




#42
 2,4,6-Tribromophenol
 Concen: 12.547 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121871.D
 Acq: 7 Oct 2020 13:52

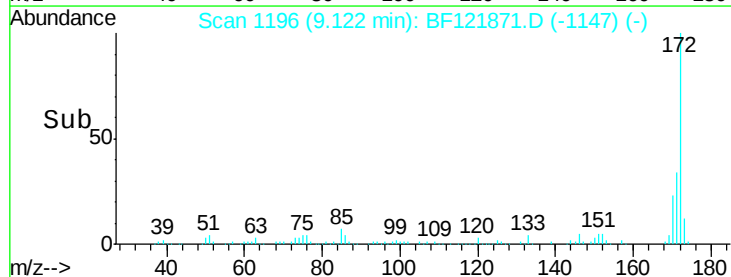
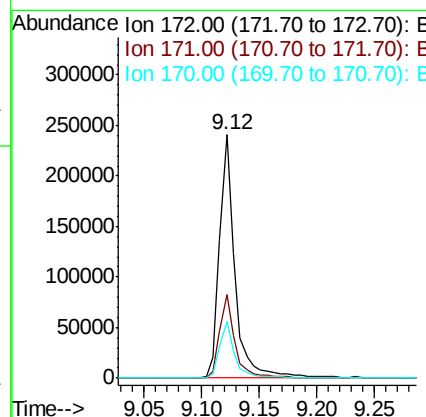
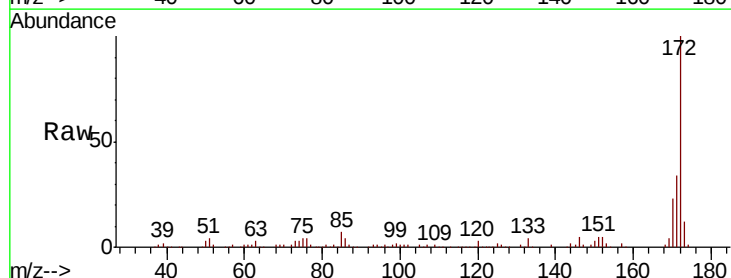
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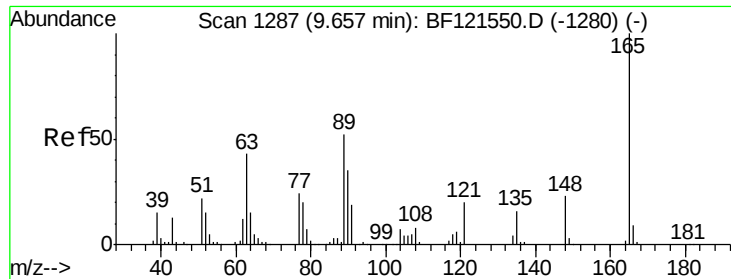
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	35.0	22.3	33.5#



#45
 2-Fluorobiphenyl
 Concen: 14.784 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121871.D
 Acq: 7 Oct 2020 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.1	43.7
170	23.2	19.8	29.6

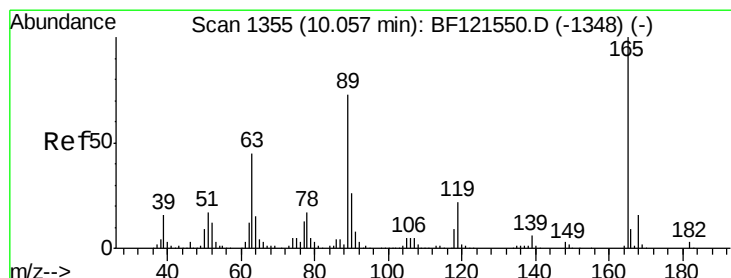
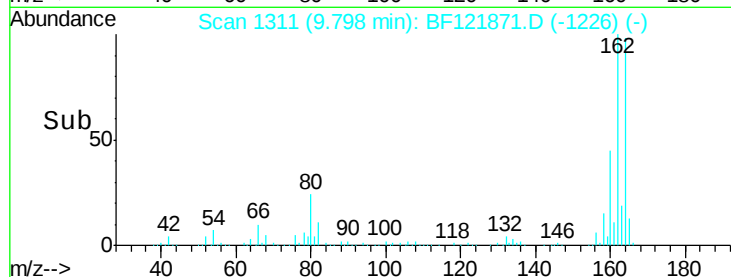
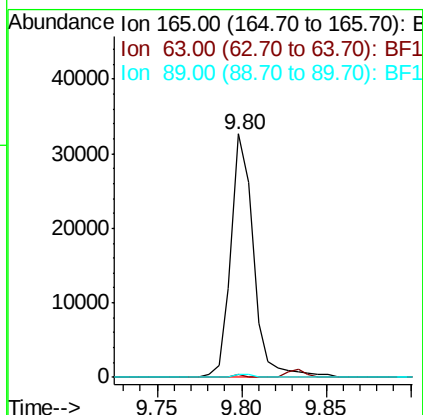
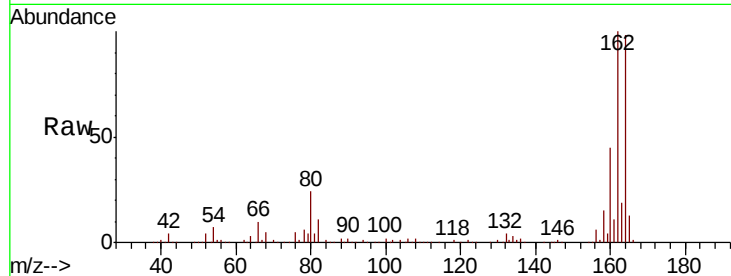




#51
 2,6-Dinitrotoluene
 Concen: 8.547 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121871.D
 Acq: 7 Oct 2020 13:52

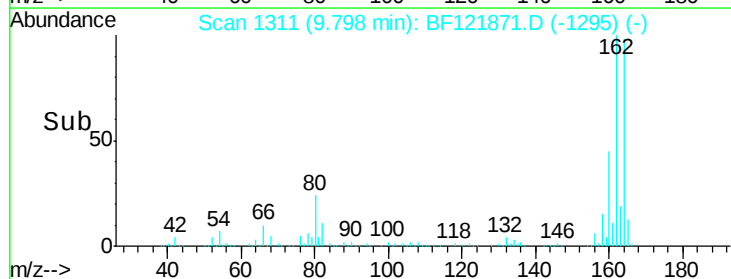
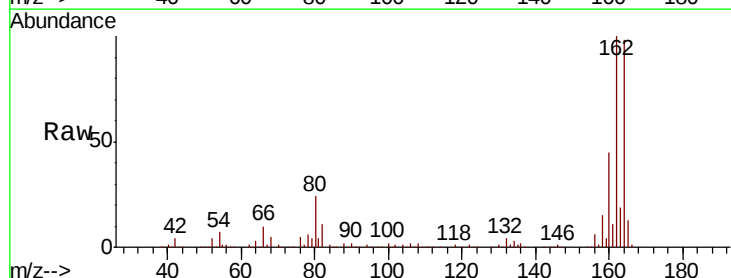
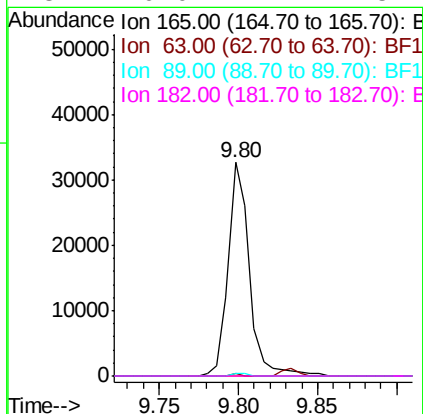
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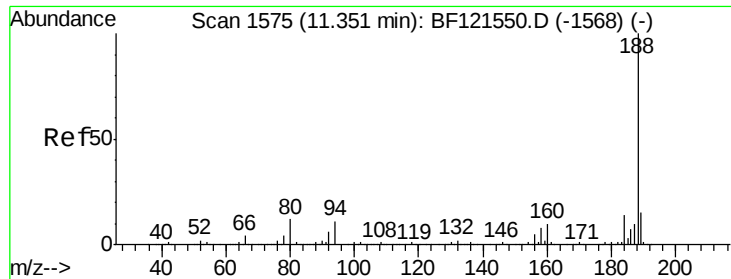
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	51.8	77.6#
89	1.3	49.0	73.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.794 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121871.D
 Acq: 7 Oct 2020 13:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.3	61.9#
89	1.3	61.8	92.8#
182	0.0	2.1	3.1#

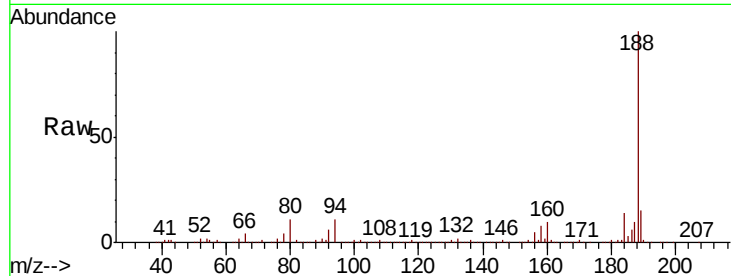




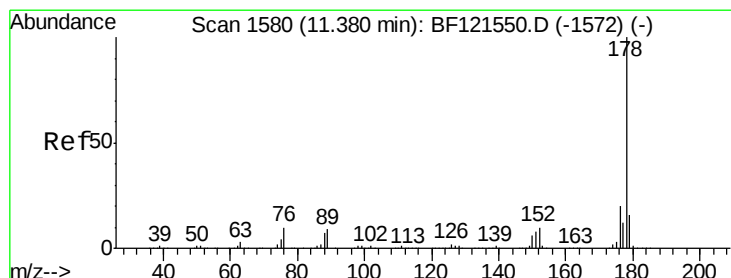
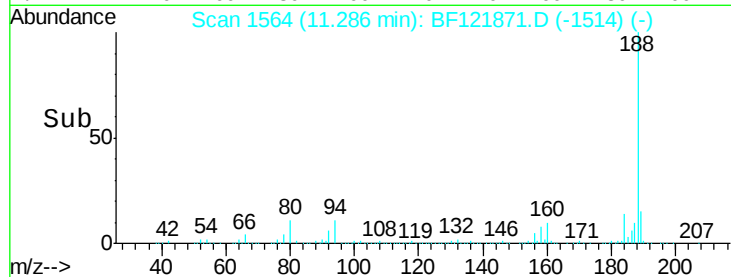
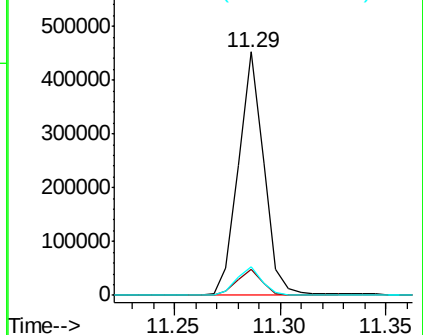
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

Tot Ion:188 Resp: 377536
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.5 9.1 13.7

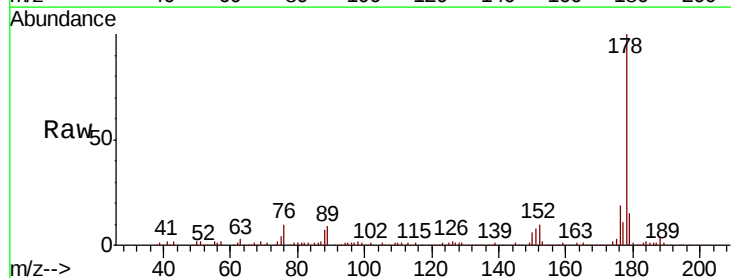


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

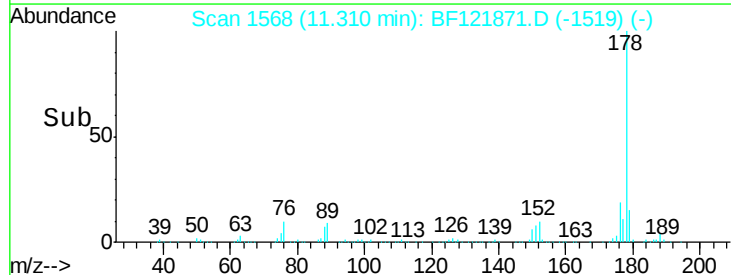
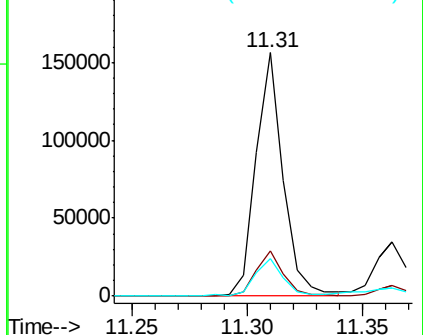


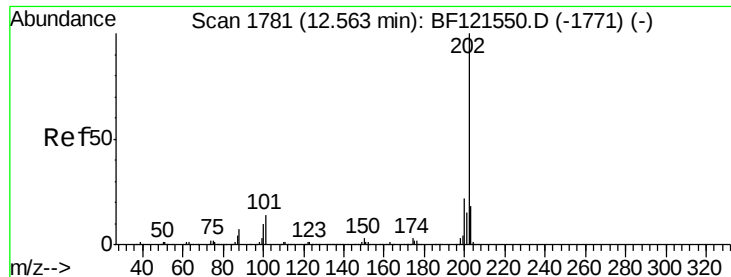
#71
Phenanthrene
Concen: 6.284 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion:178 Resp: 129262
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.3 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.674 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121871.D

Acq: 7 Oct 2020 13:52

Instrument :

BNA_F

ClientSampleId :

PAV-B24-100120-0-10

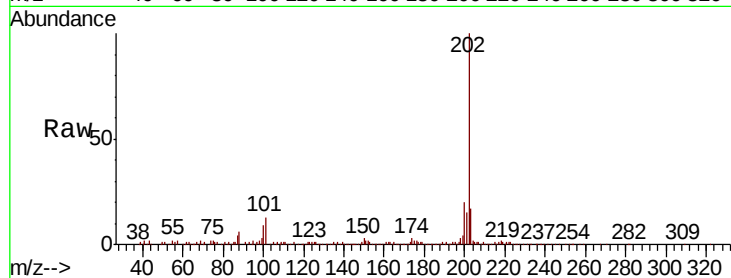
Tot Ion:202 Resp: 146542

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.4

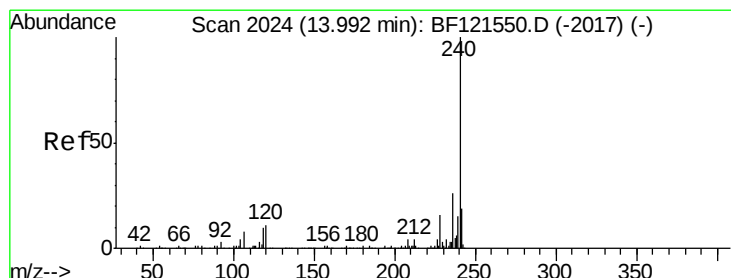
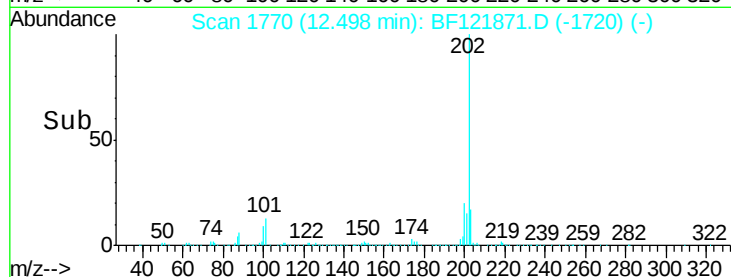
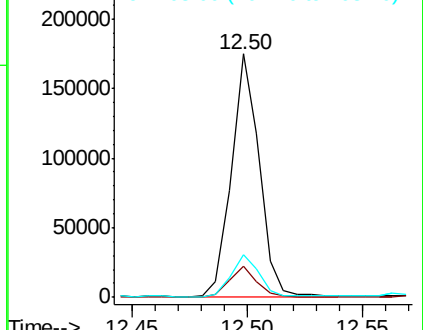
203 17.5 0.0 37.9



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: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121871.D

Acq: 7 Oct 2020 13:52

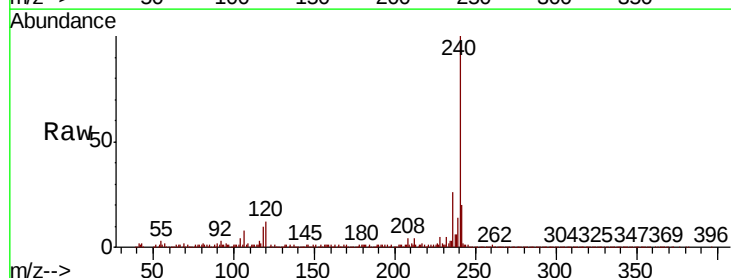
Tgt Ion:240 Resp: 256816

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

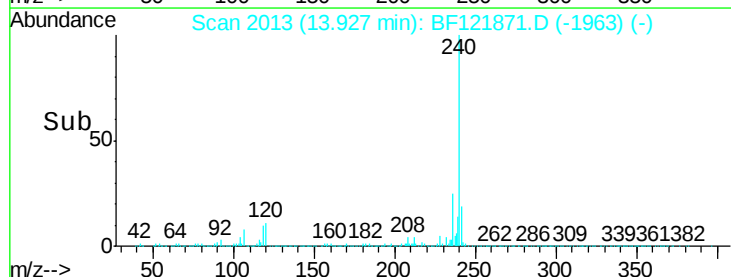
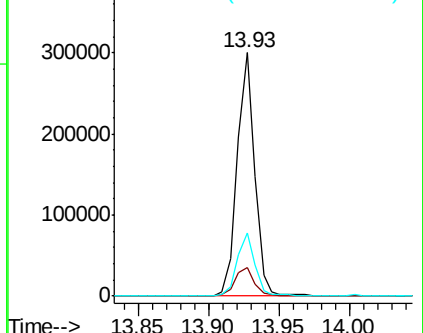
236 25.7 20.9 31.3

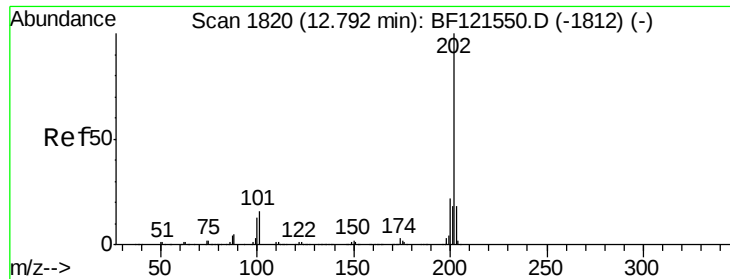


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

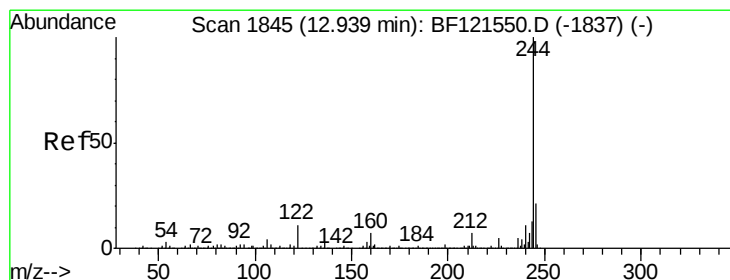
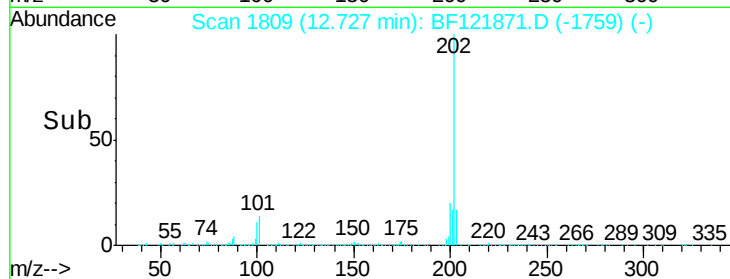
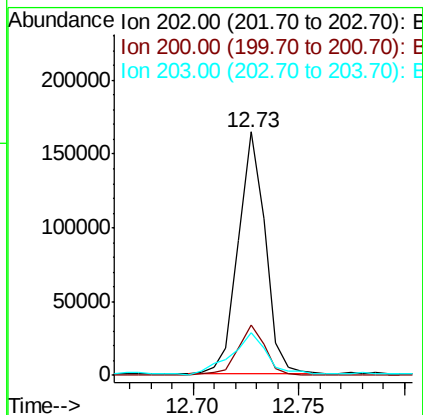
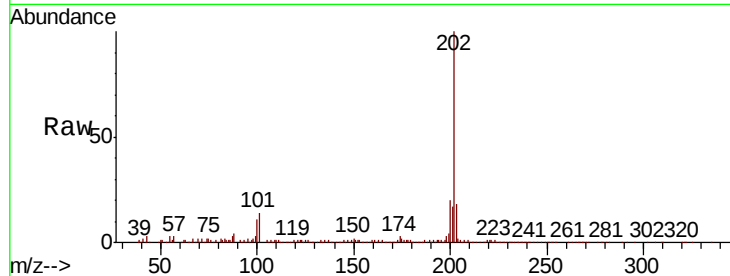




#78
Pvrene
Concen: 7.806 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

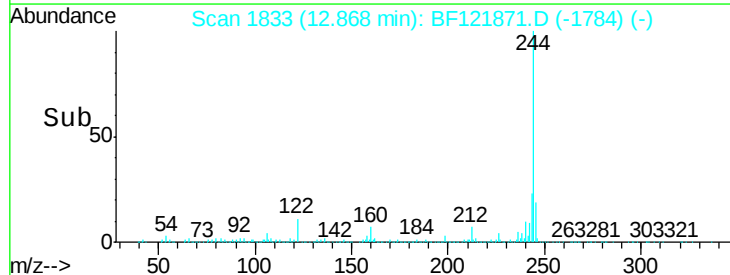
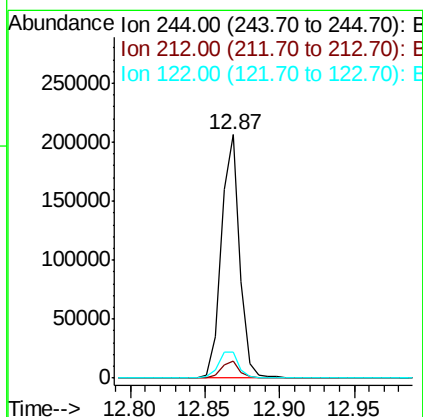
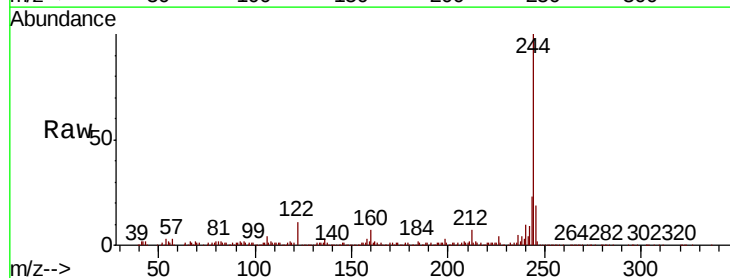
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

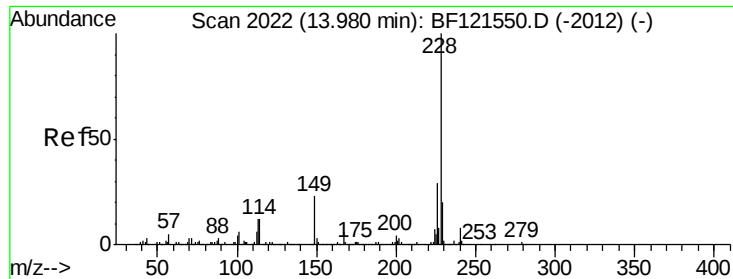
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.6	14.6	21.8



#79
Terphenyl-d14
Concen: 13.986 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.6	8.1	12.1

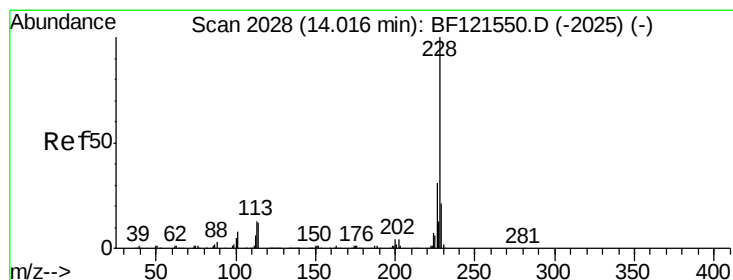
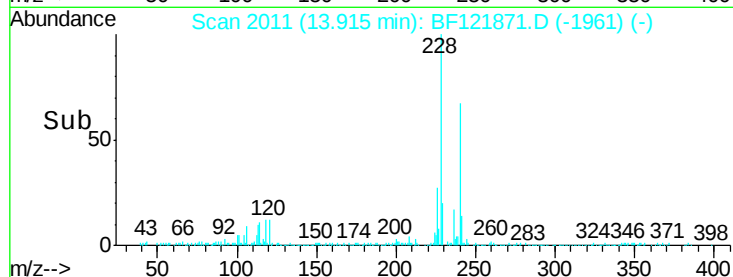
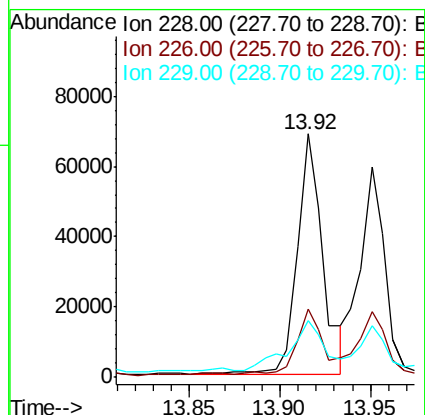
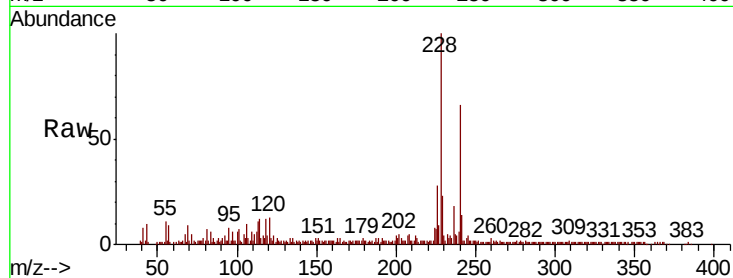




#81
Benzo(a)anthracene
Concen: 4.161 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

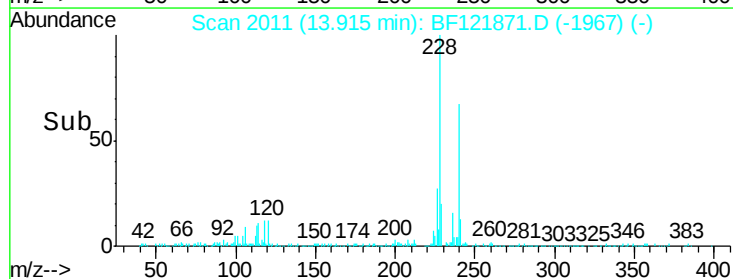
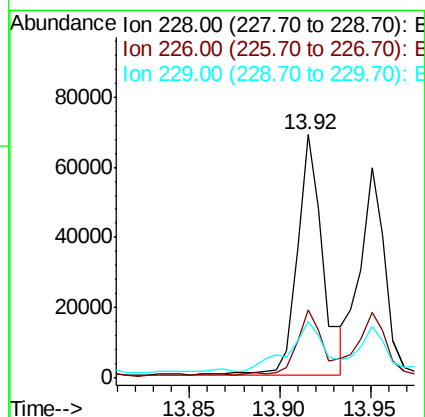
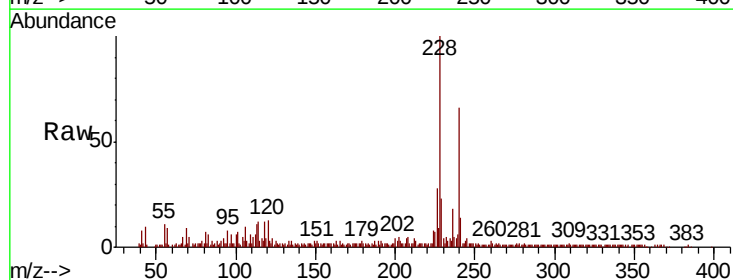
Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

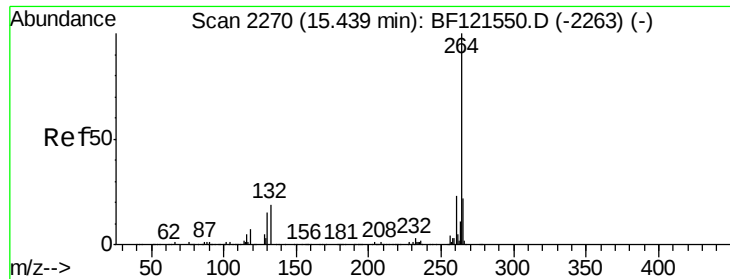
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	23.1	16.2	24.4



#83
Chrysene
Concen: 4.109 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.04 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.6	37.0
229	23.1	15.9	23.9

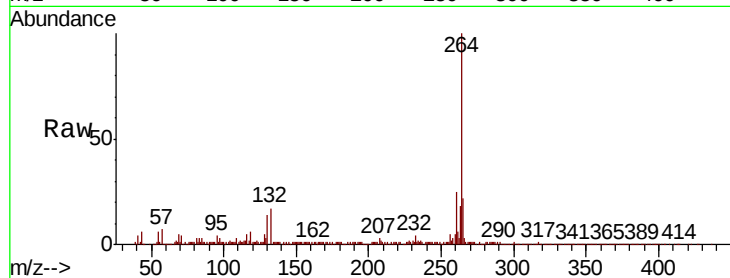




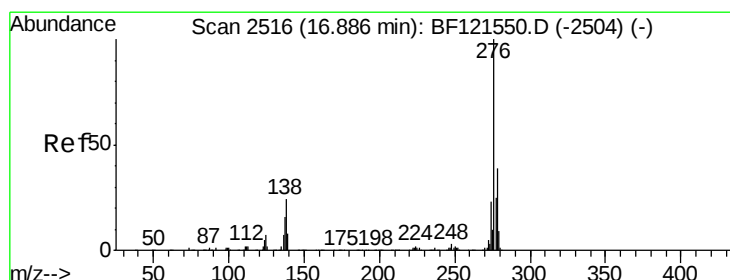
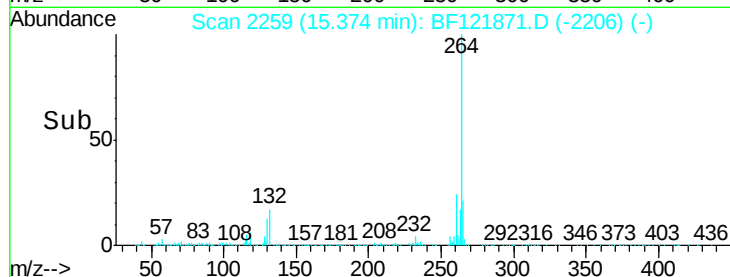
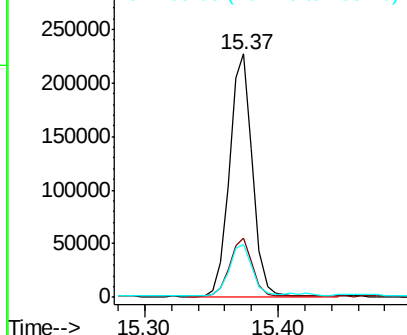
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

Tot Ion:264 Resp: 271112
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 21.9 17.3 25.9

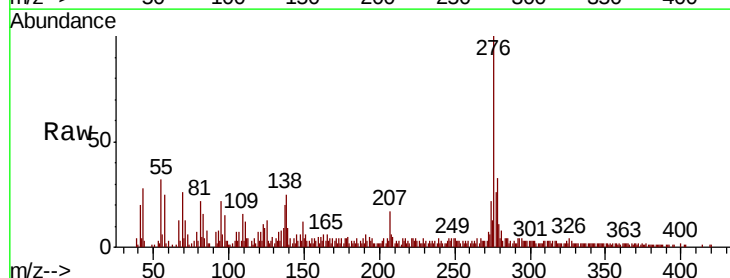


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

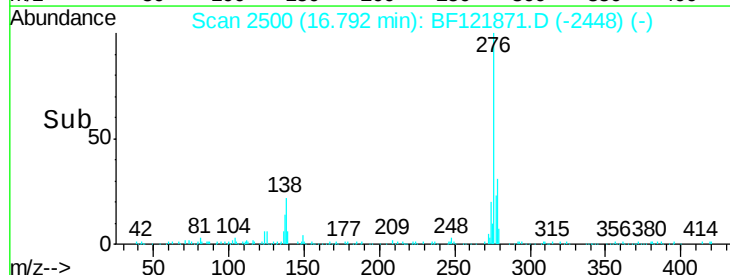
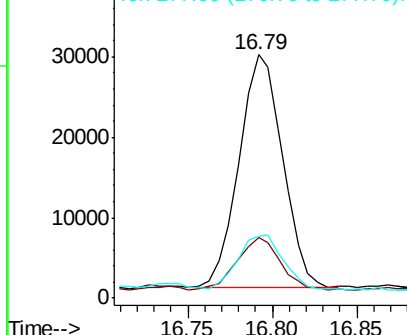


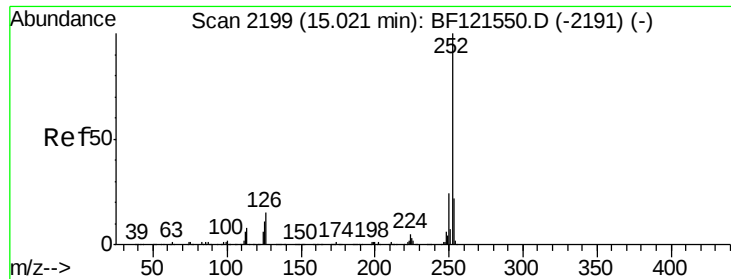
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.941 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion:276 Resp: 51927
Ion Ratio Lower Upper
276 100
138 23.2 19.9 29.9
277 24.1 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

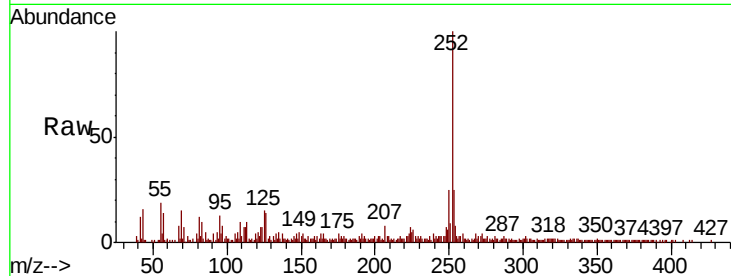




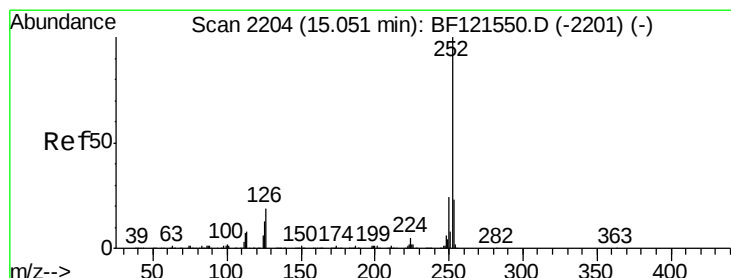
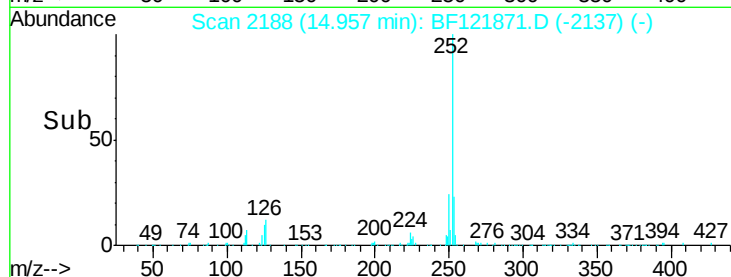
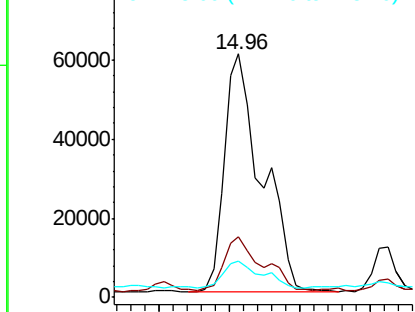
#88
Benzo(b)fluoranthene
Concen: 6.151 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

Tot Ion:252 Resp: 111484
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 14.9 8.0 12.0#

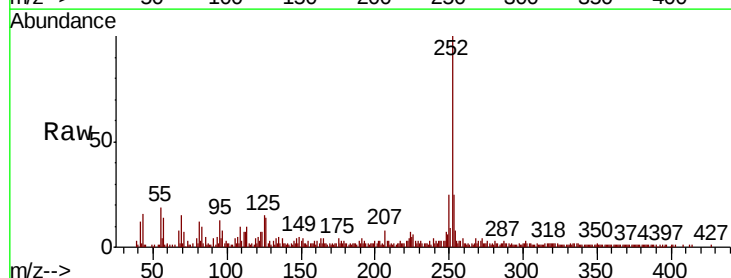


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

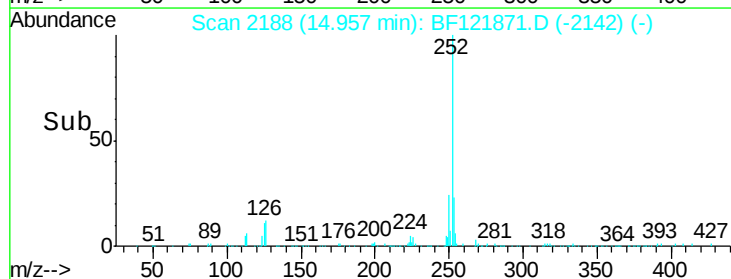
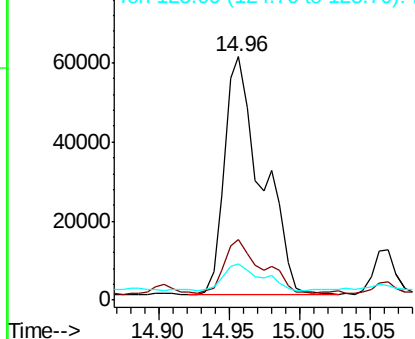


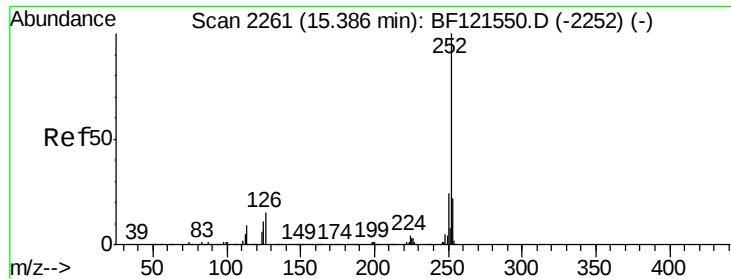
#89
Benzo(k)fluoranthene
Concen: 6.717 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion:252 Resp: 111484
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 14.9 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

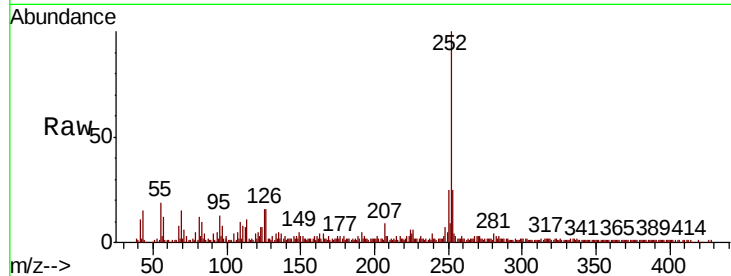




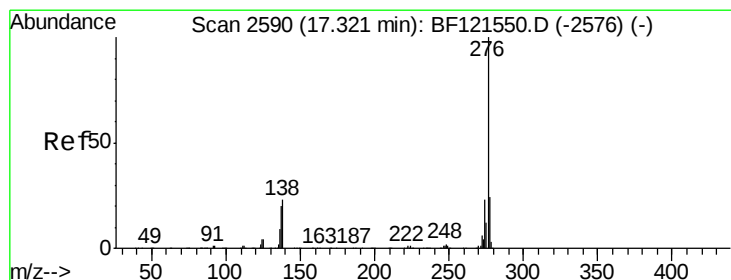
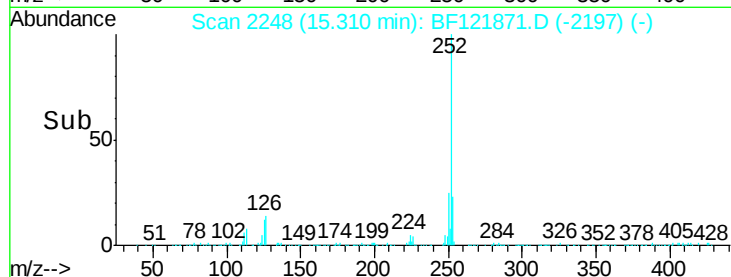
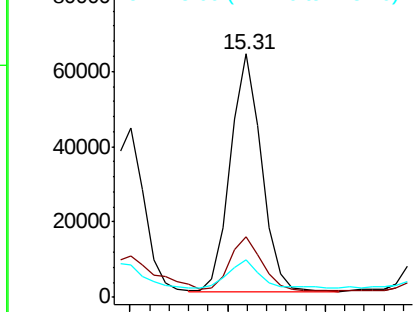
#90
Benzo(a)pyrene
Concen: 4.564 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Instrument :
BNA_F
ClientSampleId :
PAV-B24-100120-0-10

Tot Ion:252 Resp: 70314
Ion Ratio Lower Upper
252 100
253 25.0 17.3 25.9
125 15.5 8.6 13.0#

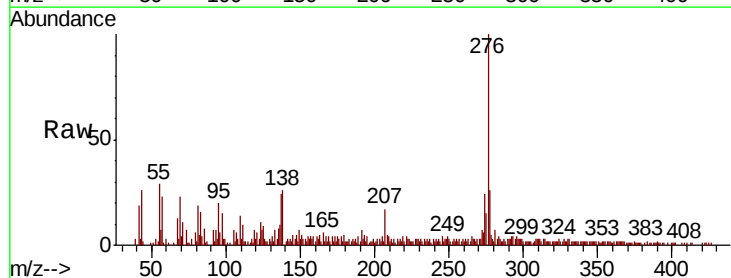


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.282 ng
RT: 17.22 min Scan# 2573
Delta R.T. 0.01 min
Lab File: BF121871.D
Acq: 7 Oct 2020 13:52

Tgt Ion:276 Resp: 61865
Ion Ratio Lower Upper
276 100
277 25.6 19.4 29.2
138 25.8 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

