

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
 Data File : BF121888.D
 Acq On : 8 Oct 2020 14:40
 Operator : JU/CG
 Sample : L4291-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B4-100620-10-20

Quant Time: Oct 08 15:35:56 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	112795	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	461451	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	237896	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	444301	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	311854	20.00	ng	-0.01
86) Perylene-d12	15.36	264	299594	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	521793	68.75	ng	0.00
7) Phenol-d6	6.40	99	669135	67.20	ng	-0.01
23) Nitrobenzene-d5	7.32	82	454801	52.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	192366	65.06	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	825083	52.53	ng	-0.02
79) Terphenyl-d14	12.87	244	835629	54.29	ng	-0.01

Target Compounds

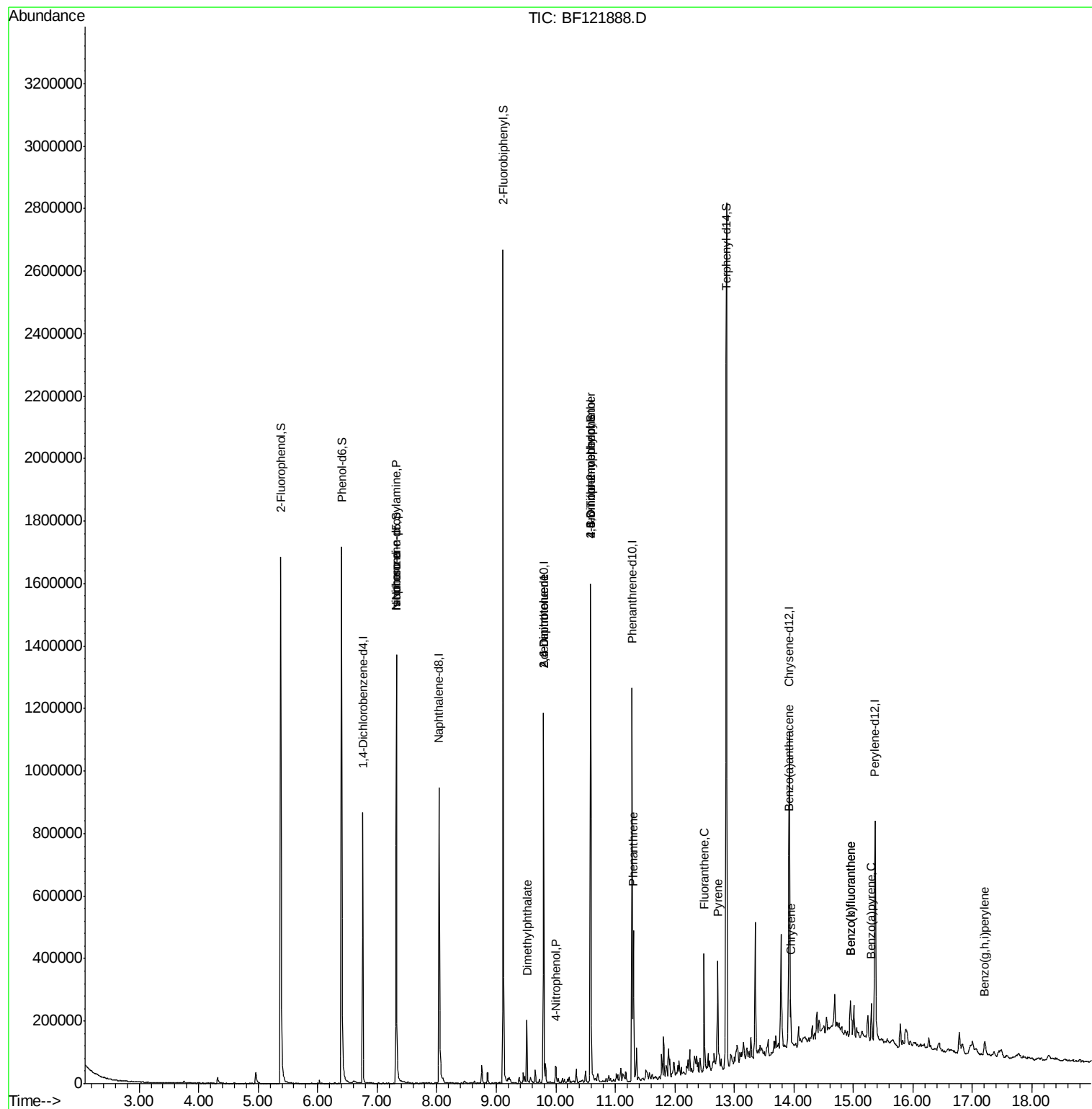
						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	59561	10.379	ng	# 81
25) Isophorone	7.32	82	454855	26.291	ng	# 67
50) Dimethylphthalate	9.52	163	86387	5.010	ng	98
51) 2,6-Dinitrotoluene	9.80	165	31963	8.704	ng	# 21
56) 4-Nitrophenol	10.00	139	7091	2.090	ng	# 10
57) 2,4-Dinitrotoluene	9.80	165	31963	6.919	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	290	6.943	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11287	2.231	ng	# 1
71) Phenanthrene	11.30	178	152018	6.280	ng	99
75) Fluoranthene	12.49	202	138889	5.375	ng	99
78) Pyrene	12.72	202	126344	5.545	ng	98
81) Benzo(a)anthracene	13.91	228	68746	3.484	ng	100
83) Chrysene	13.94	228	56625	2.834	ng	97
88) Benzo(b)fluoranthene	14.95	252	83726	4.180	ng	# 95
89) Benzo(k)fluoranthene	14.95	252	83726	4.565	ng	# 94
90) Benzo(a)pyrene	15.30	252	50671	2.976	ng	95
92) Benzo(a,h,i)perylene	17.21	276	36795	2.305	ng	97

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

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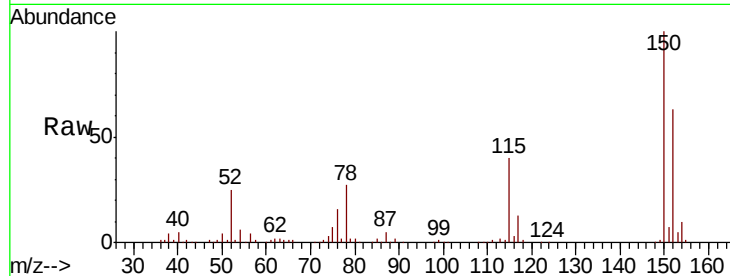


#1

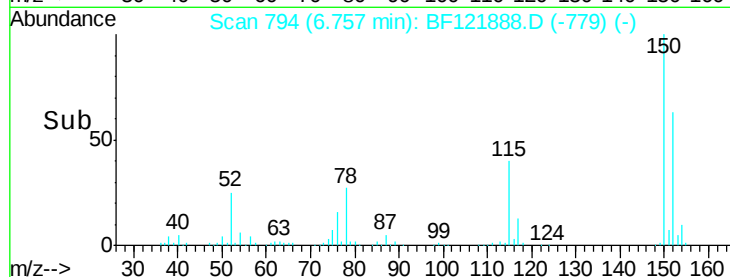
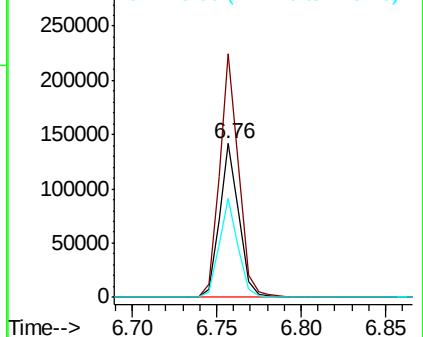
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

Tot Ion:152 Resp: 112795
Ion Ratio Lower Upper
152 100
150 158.4 125.3 187.9
115 64.1 51.9 77.9



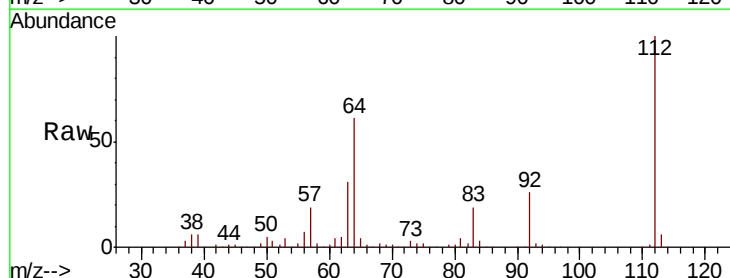
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



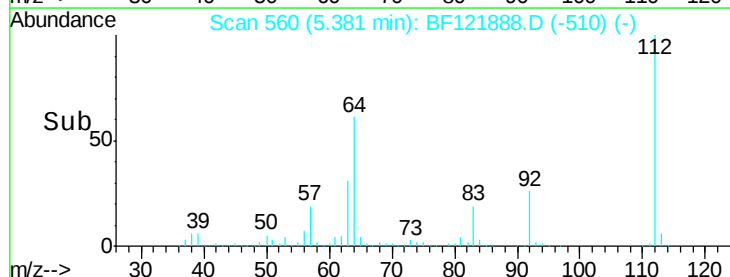
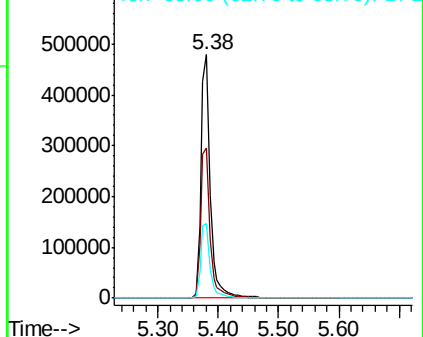
#5

2-Fluorophenol
Concen: 68.749 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion:112 Resp: 521793
Ion Ratio Lower Upper
112 100
64 61.4 50.4 75.6
63 30.6 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: 67.199 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

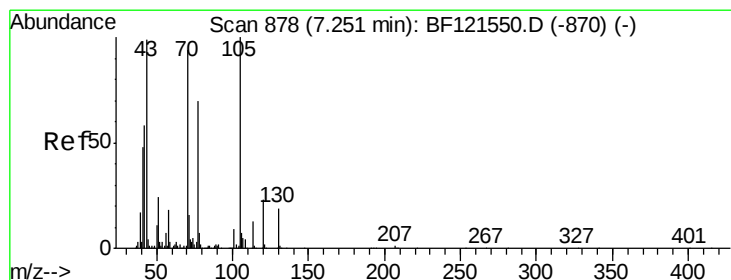
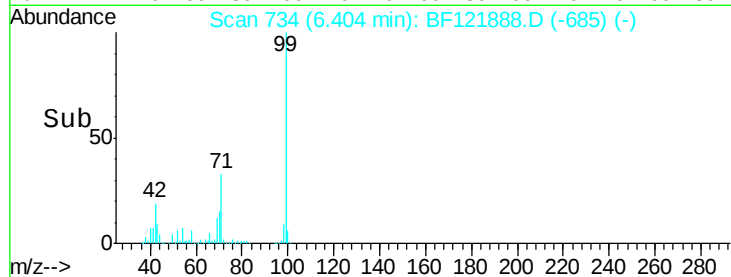
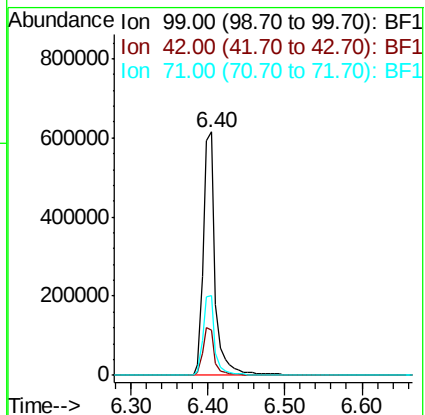
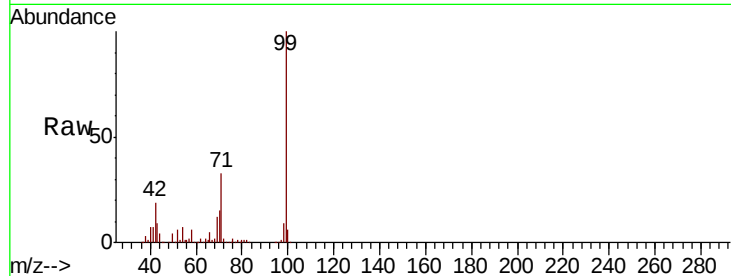
Tot Ion: 99 Resp: 669135

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 32.6 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.379 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Tgt Ion: 70 Resp: 59561

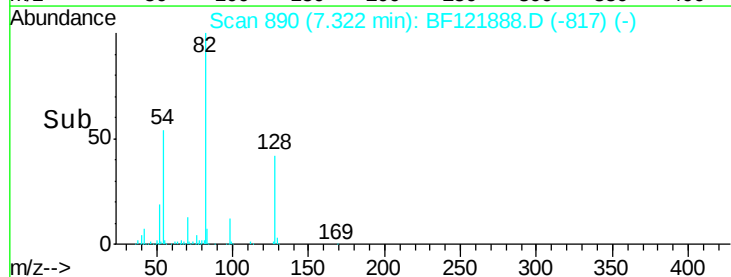
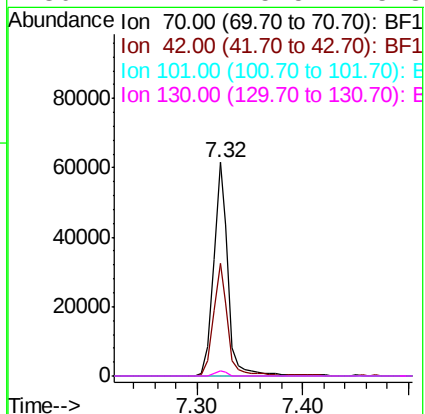
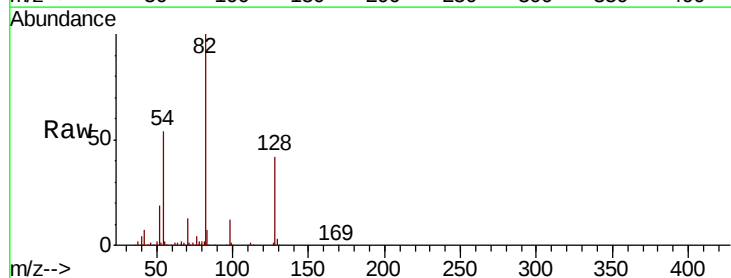
Ion Ratio Lower Upper

70 100

42 52.9 50.2 75.4

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

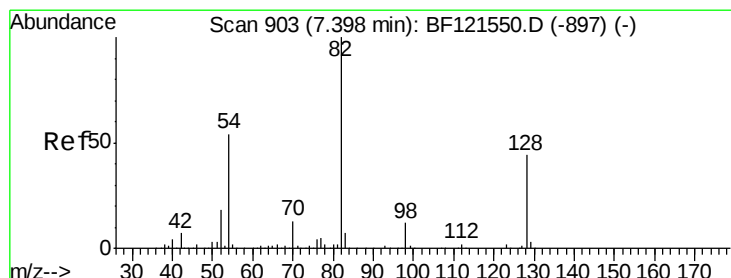
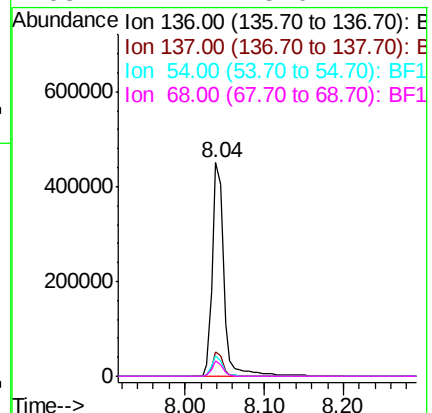
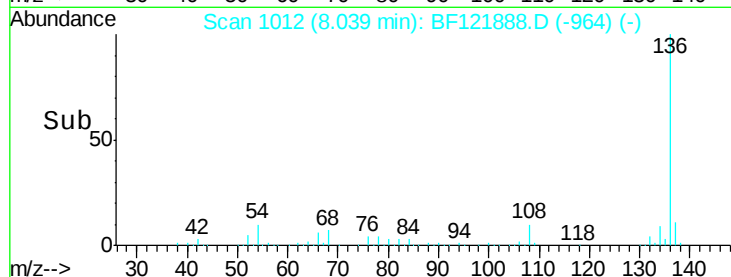
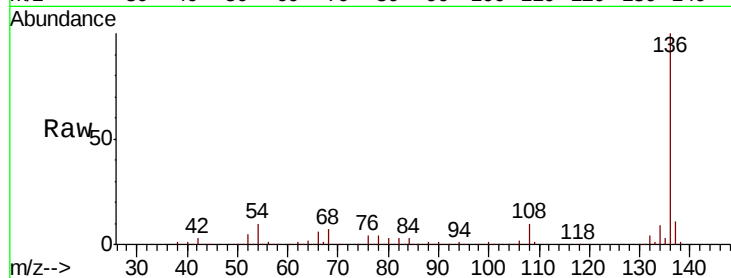




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

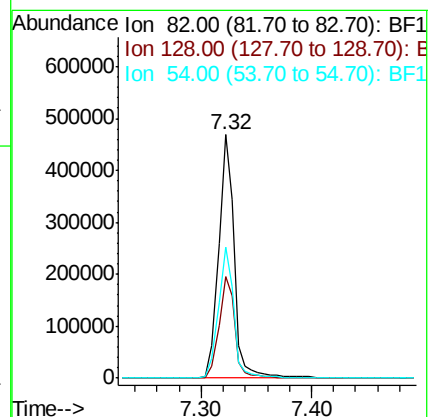
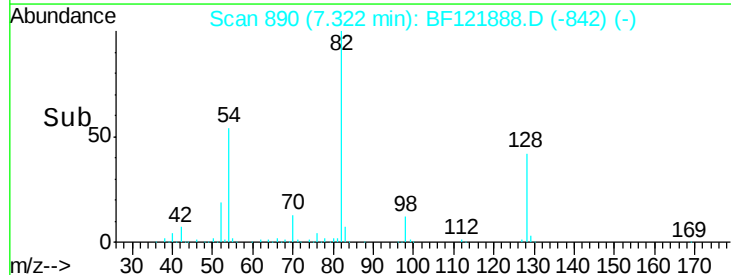
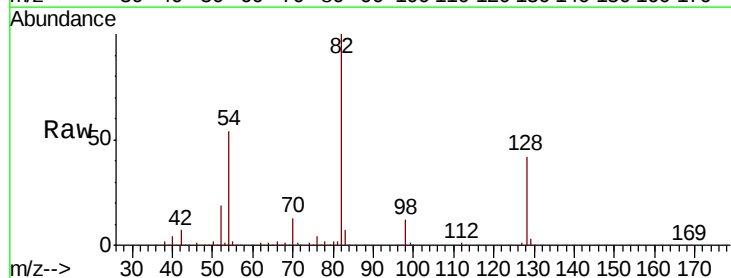
Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

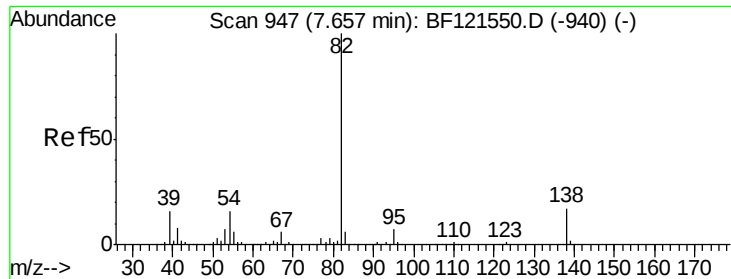
Tot Ion:136	Resp:	461451
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.6 13.0
54	9.9	7.1 10.7
68	7.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 52.918 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion: 82	Resp:	454801
Ion	Ratio	Lower Upper
82	100	
128	41.7	35.0 52.4
54	53.9	43.9 65.9

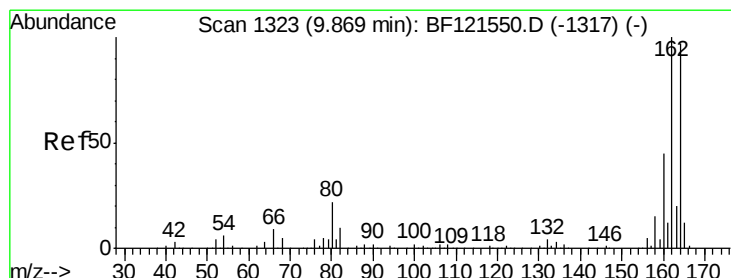
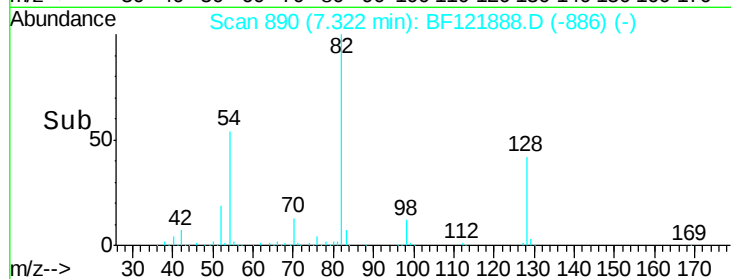
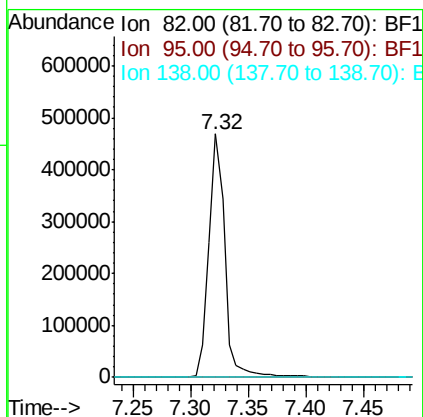
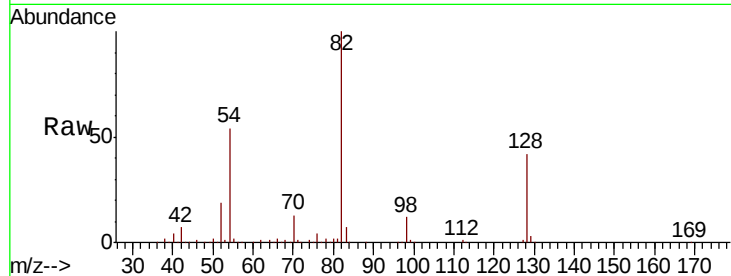




#25
Isophorone
Concen: 26.291 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.28 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

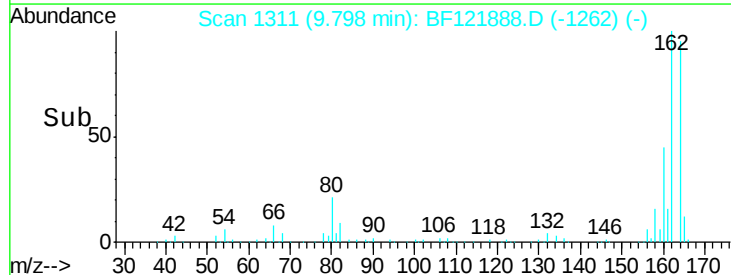
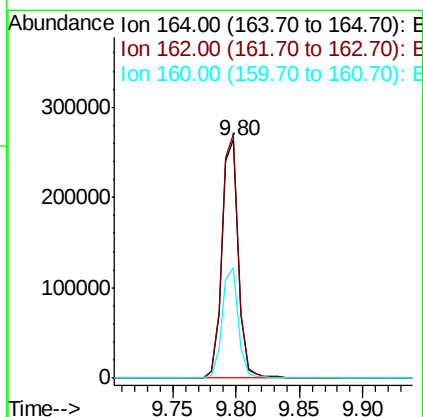
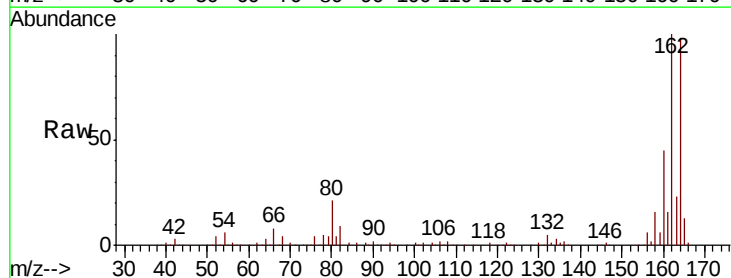
Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

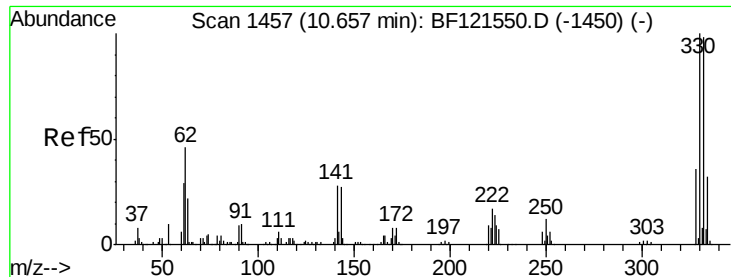
Tot Ion: 82 Resp: 454855
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion: 164 Resp: 237896
Ion Ratio Lower Upper
164 100
162 102.2 83.2 124.8
160 46.3 37.5 56.3

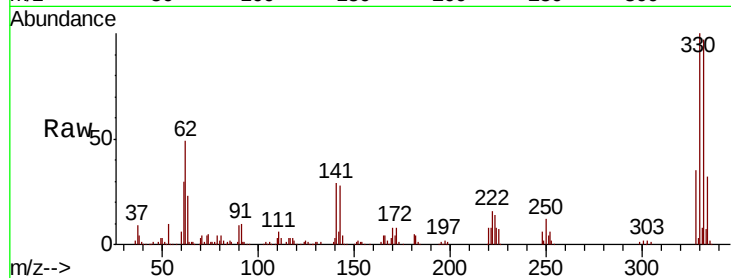




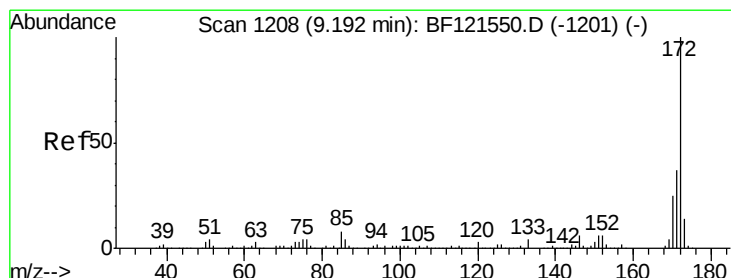
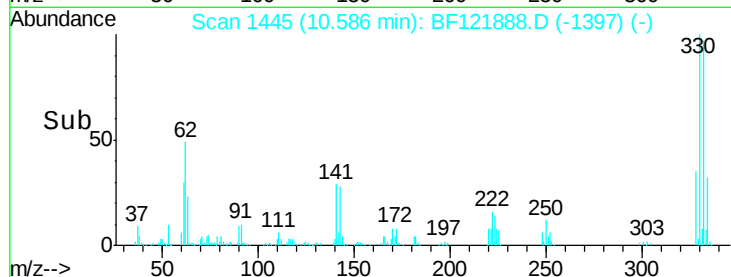
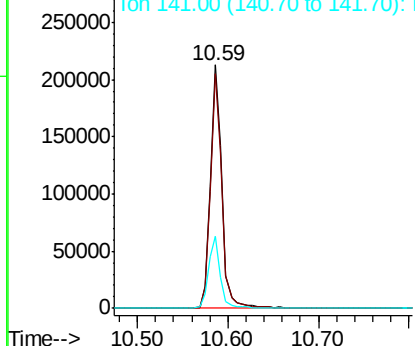
#42
 2,4,6-Tribromophenol
 Concen: 65.060 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121888.D
 Acq: 8 Oct 2020 14:40

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B4-100620-10-20

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.2	22.3	33.5

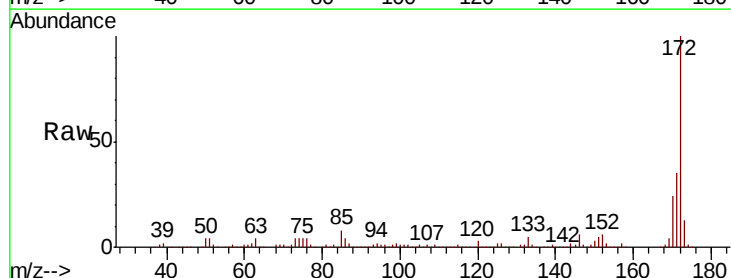


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

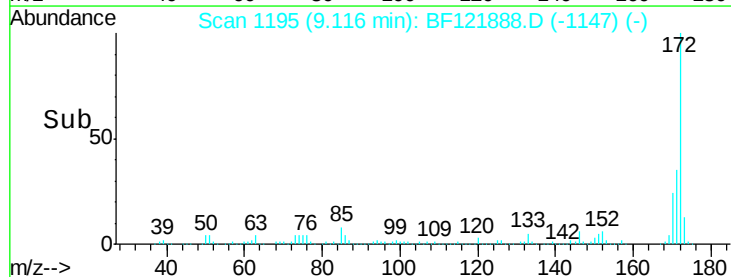
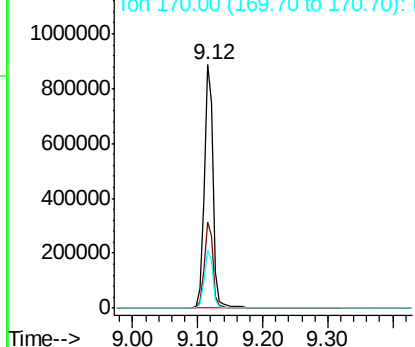


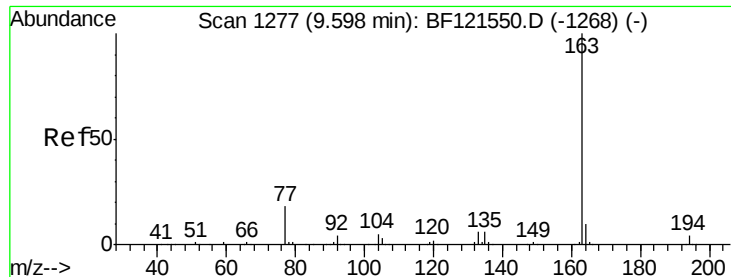
#45
 2-Fluorobiphenyl
 Concen: 52.528 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF121888.D
 Acq: 8 Oct 2020 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	24.0	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

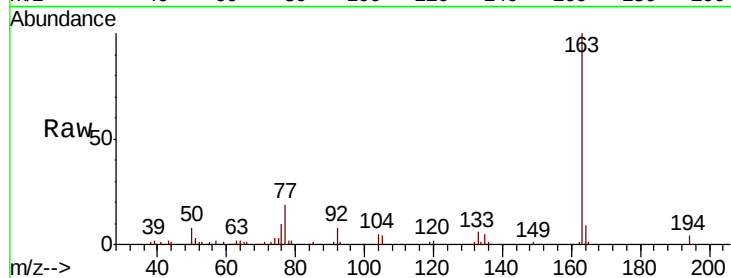




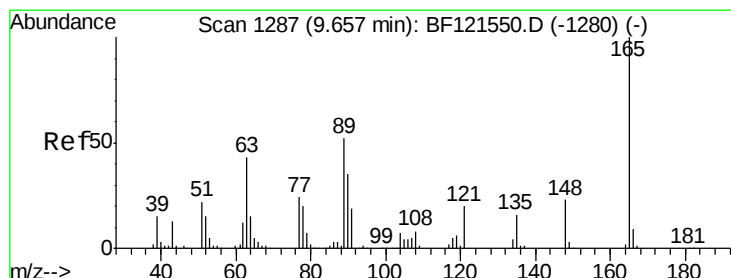
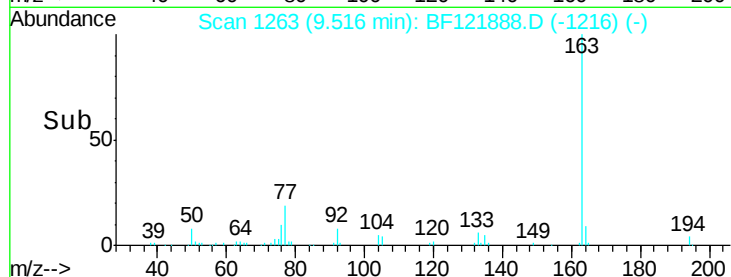
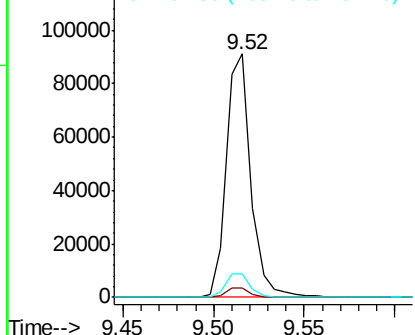
#50
Dimethylphthalate
Concen: 5.010 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

Tot Ion:163 Resp: 86387
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.5 8.2 12.4

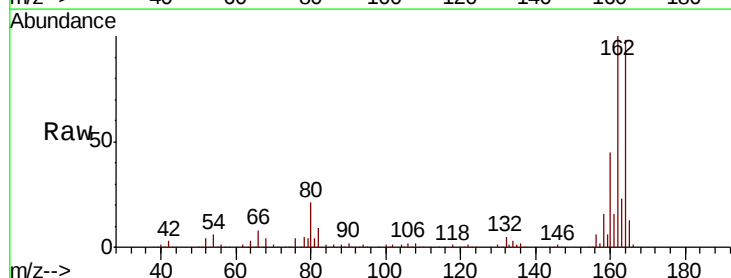


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

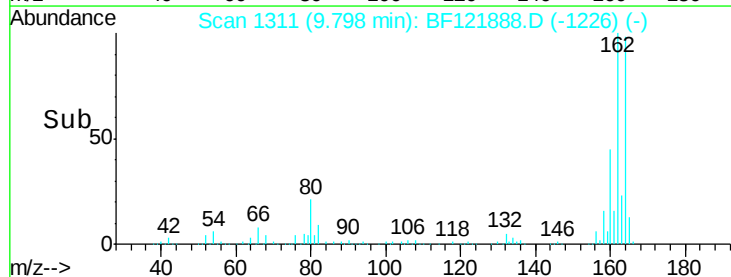
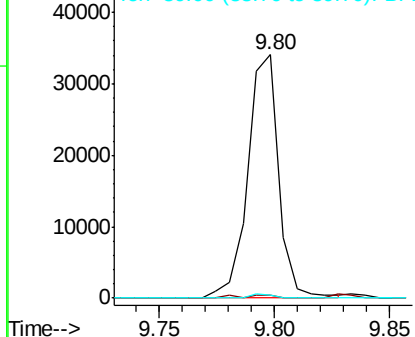


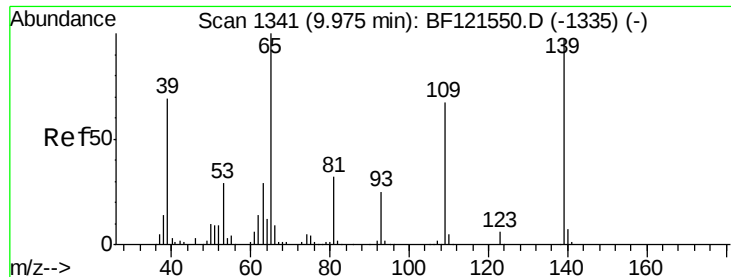
#51
2,6-Dinitrotoluene
Concen: 8.704 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.20 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion:165 Resp: 31963
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.5 49.0 73.6#



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

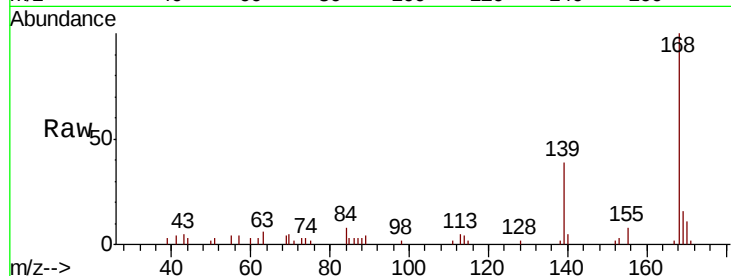




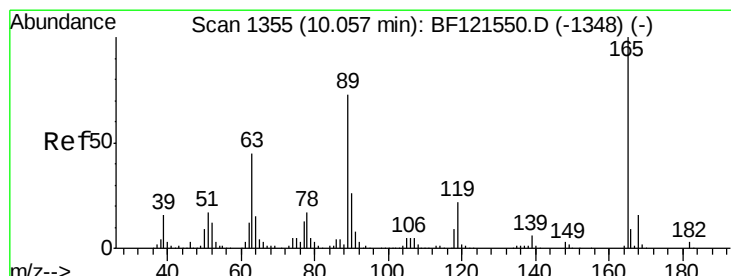
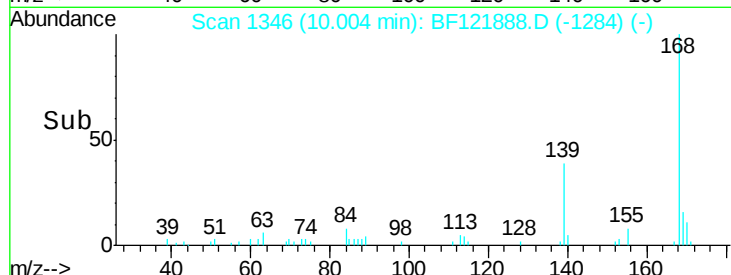
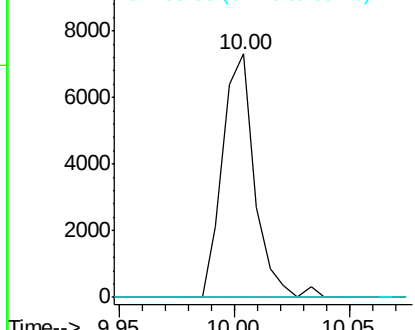
#56
4-Nitrophenol
Concen: 2.090 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.06 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

Tot Ion:139 Resp: 7091
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#

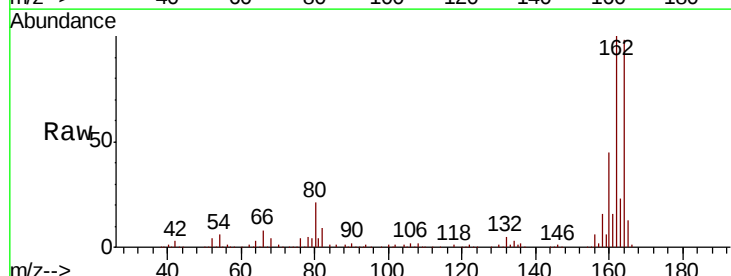


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

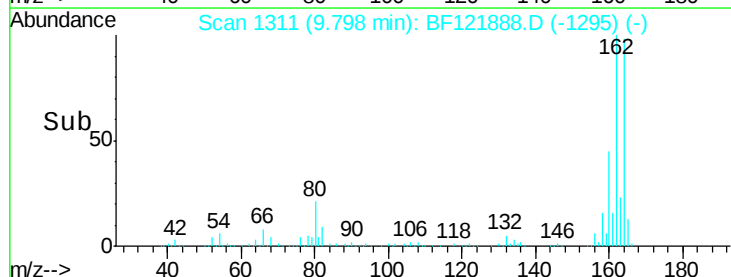
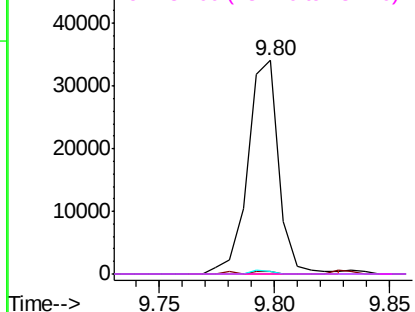


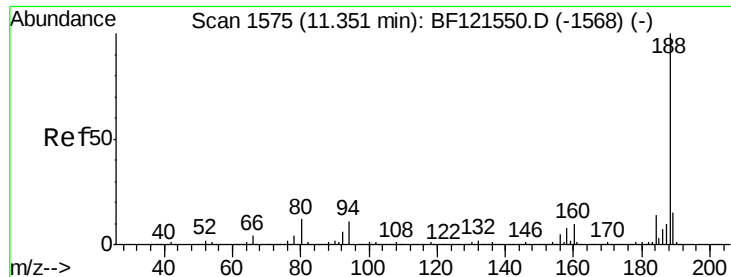
#57
2,4-Dinitrotoluene
Concen: 6.919 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion:165 Resp: 31963
Ion Ratio Lower Upper
165 100
63 1.4 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: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

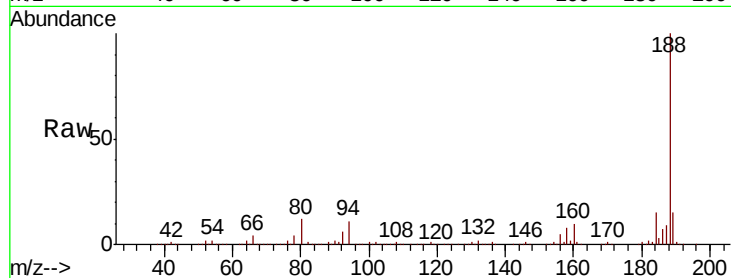
Tot Ion:188 Resp: 444301

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

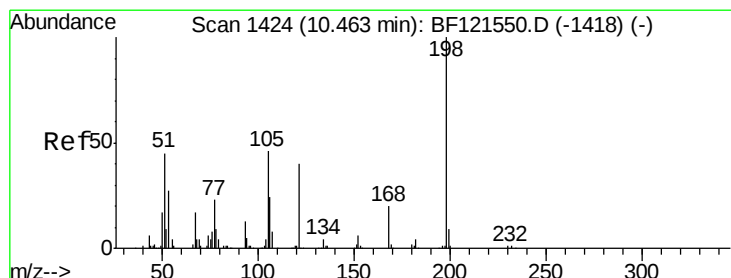
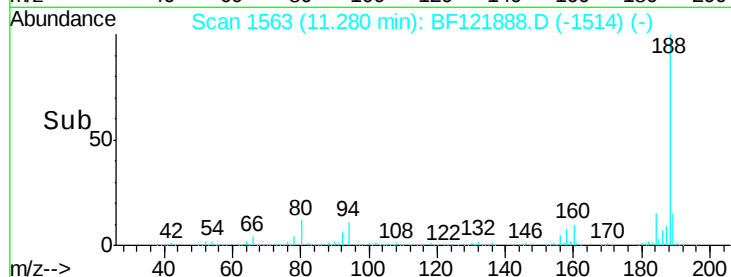
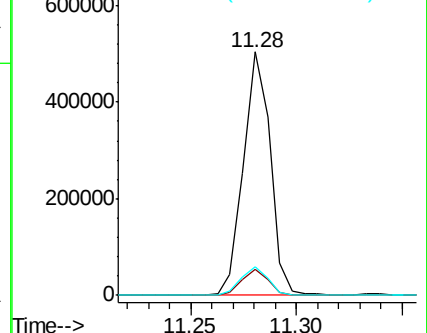
80 11.9 9.1 13.7



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: 6.943 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

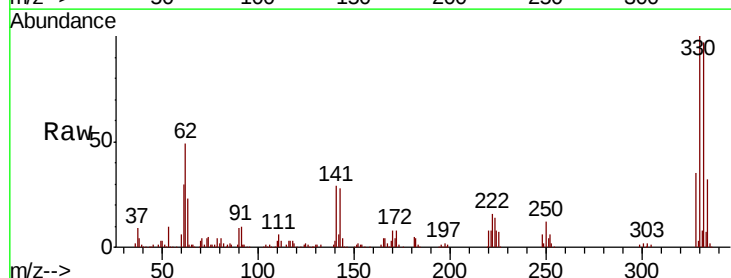
Tgt Ion:198 Resp: 290

Ion Ratio Lower Upper

198 100

51 287.9 29.6 69.6#

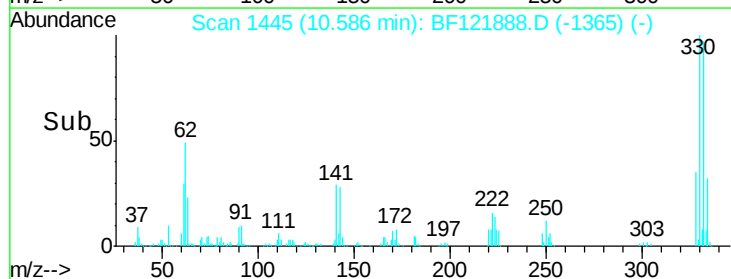
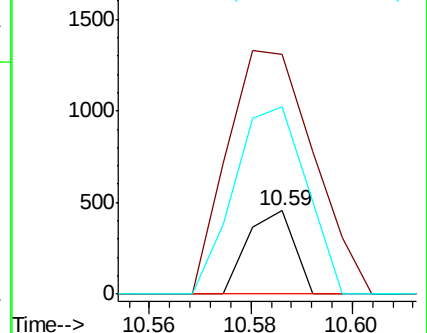
105 225.1 24.4 64.4#

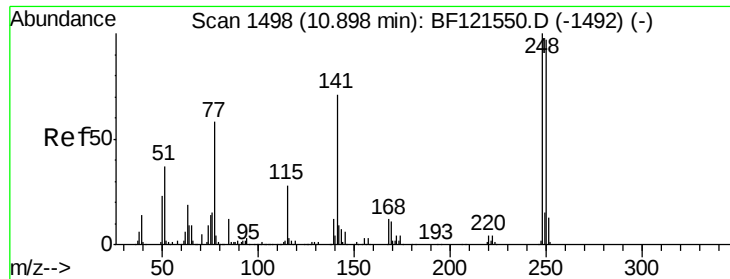


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

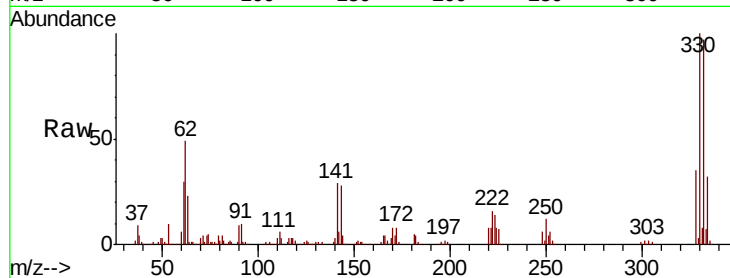




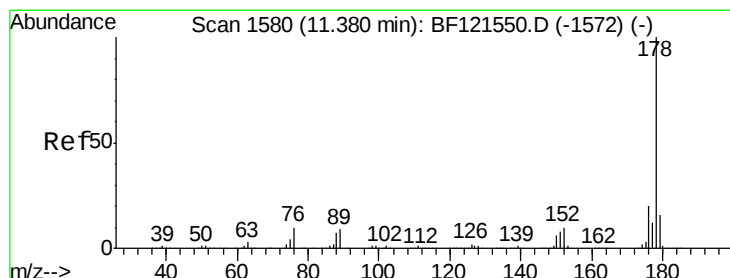
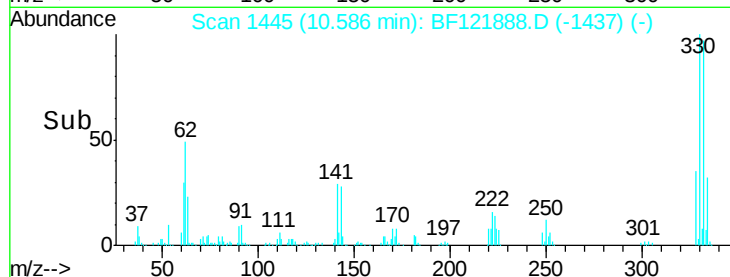
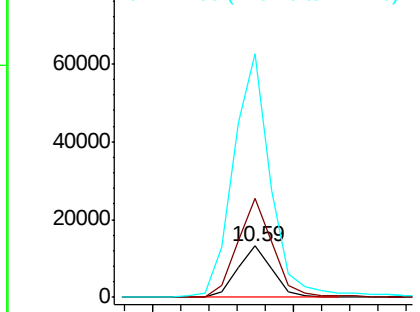
#67
 4-Bromophenyl-phenylether
 Concen: 2.231 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121888.D
 Acq: 8 Oct 2020 14:40

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B4-100620-10-20

Tot Ion:248 Resp: 11287
 Ion Ratio Lower Upper
 248 100
 250 191.4 77.0 115.6#
 141 473.2 53.7 80.5#

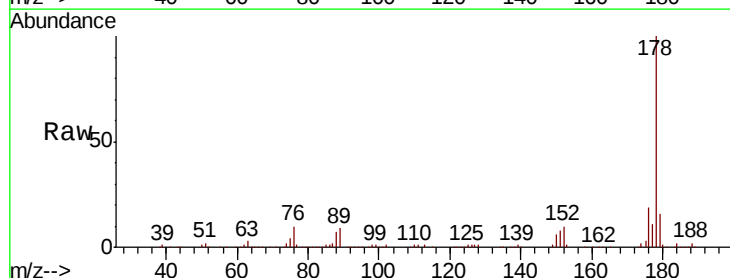


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

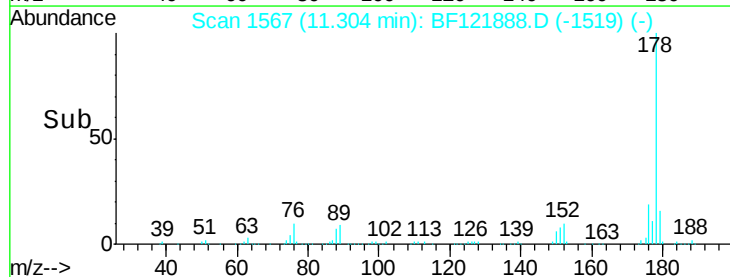
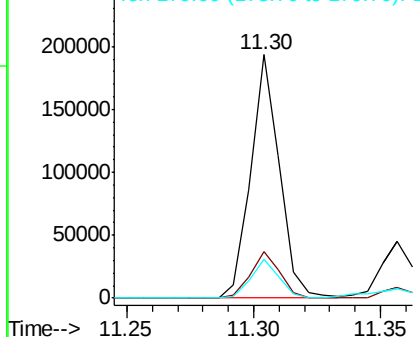


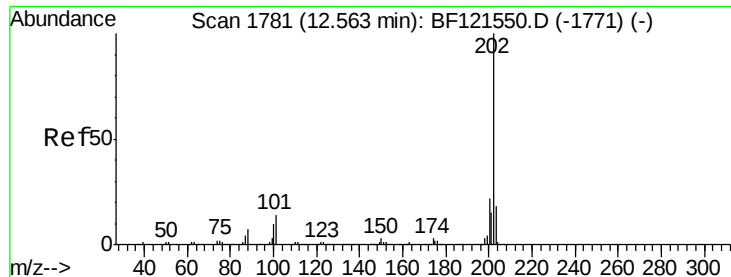
#71
 Phenanthrene
 Concen: 6.280 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF121888.D
 Acq: 8 Oct 2020 14:40

Tgt Ion:178 Resp: 152018
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 15.7 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: 5.375 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

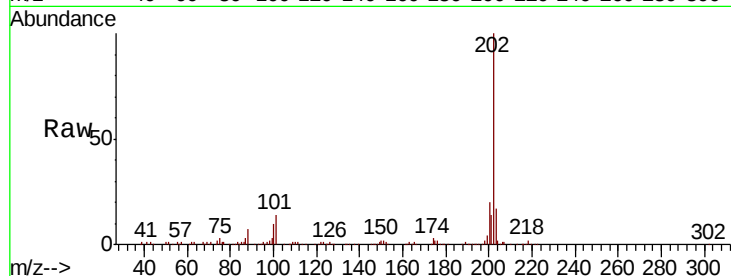
Tot Ion:202 Resp: 138889

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.4

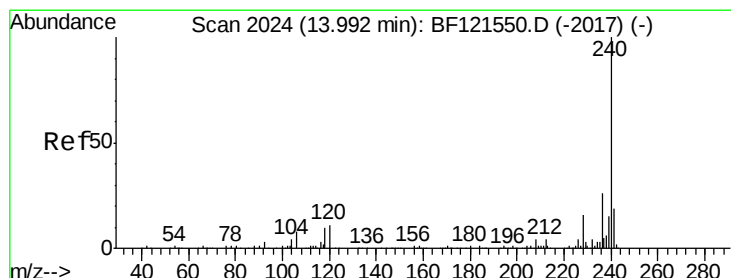
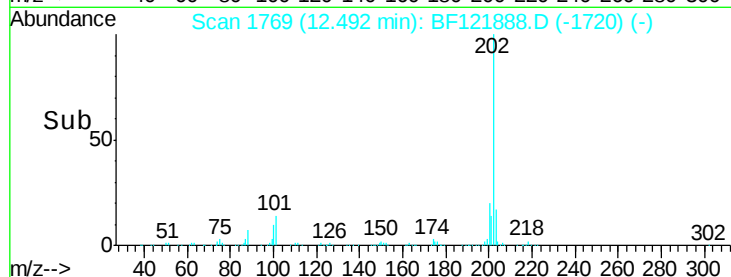
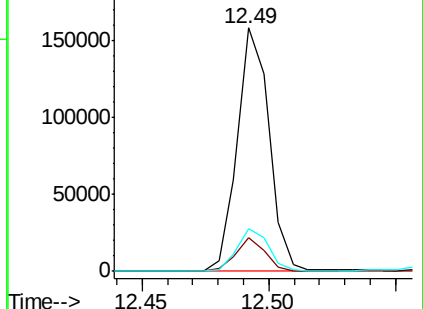
203 17.4 0.0 37.9



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: BF121888.D

Acq: 8 Oct 2020 14:40

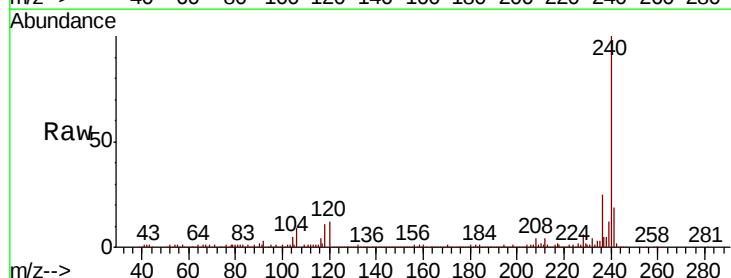
Tgt Ion:240 Resp: 311854

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

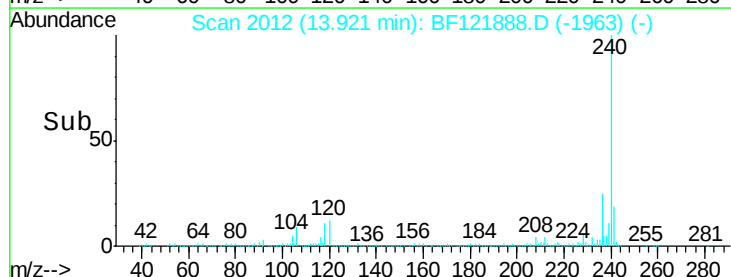
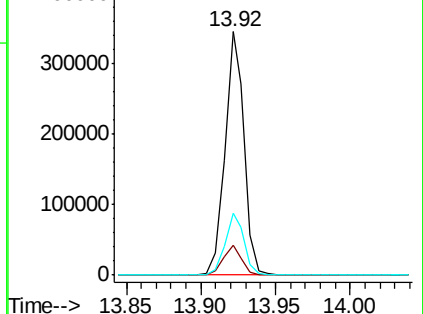
236 25.5 20.9 31.3

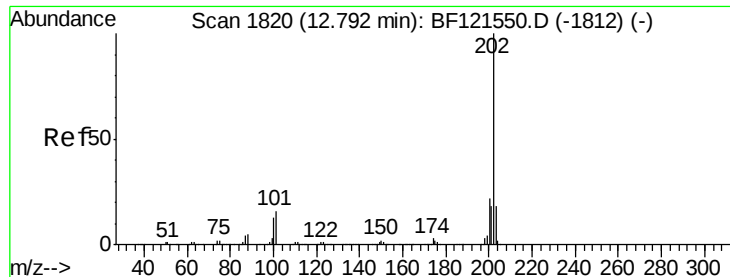


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

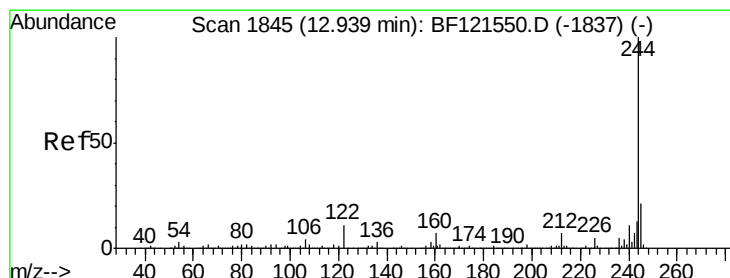
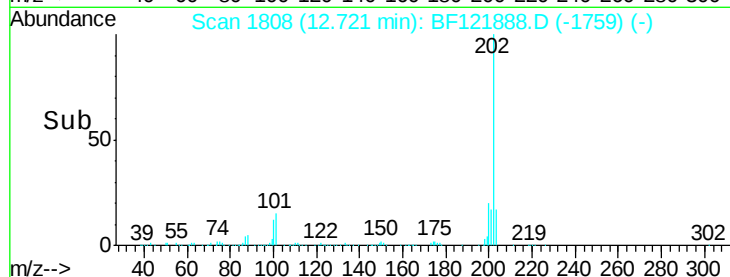
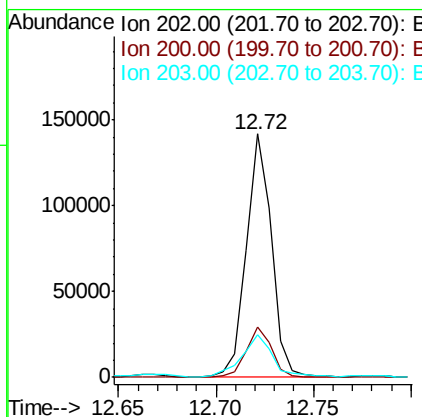
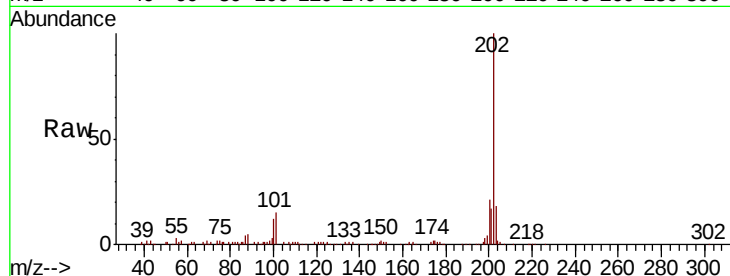




#78
Pvrene
Concen: 5.545 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

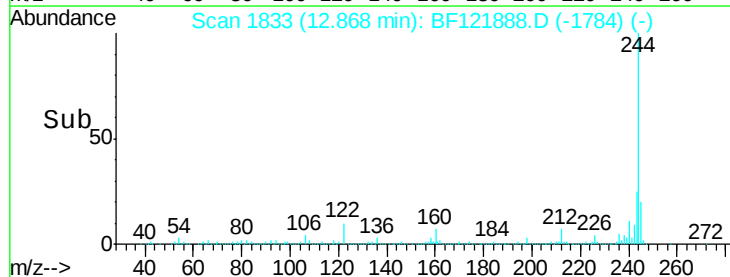
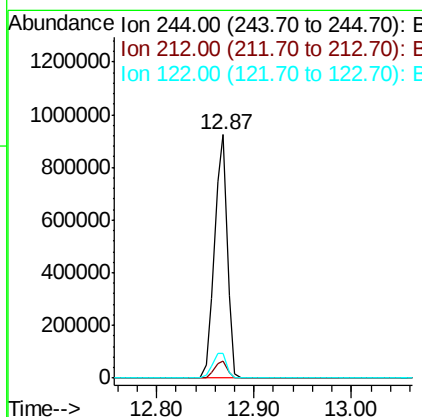
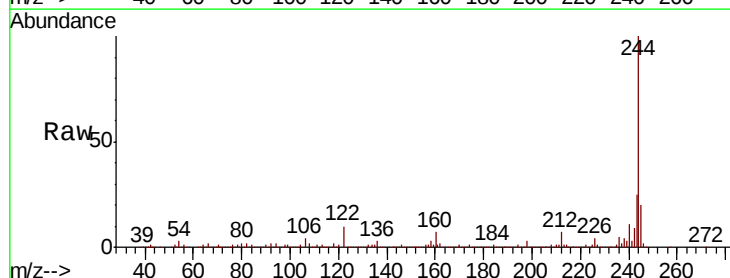
Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

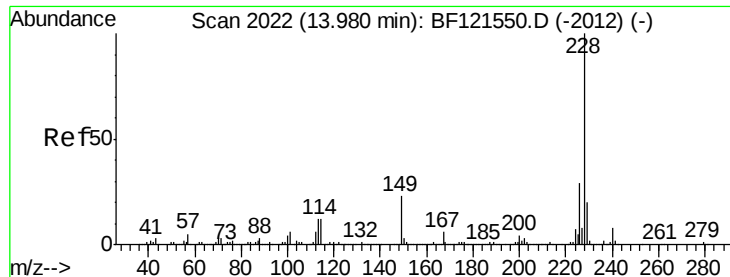
Tot Ion:202 Resp: 126344
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 54.285 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion:244 Resp: 835629
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.4 8.1 12.1





#81

Benzo(a)anthracene

Concen: 3.484 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

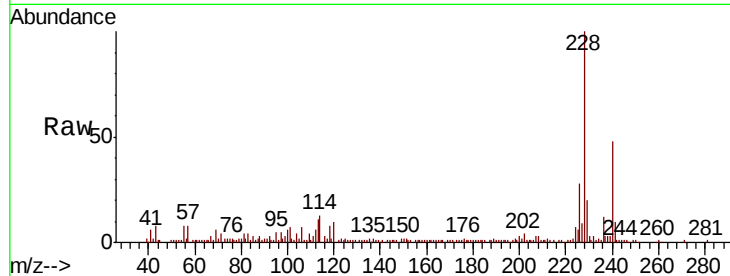
Tot Ion:228 Resp: 68746

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

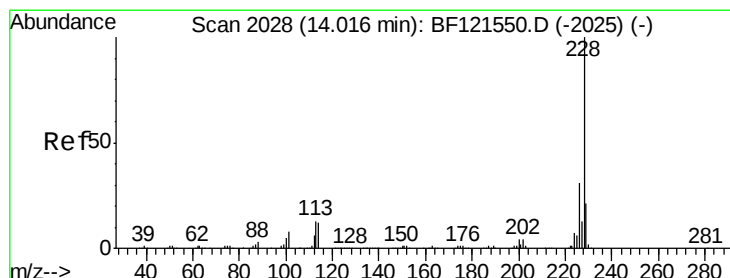
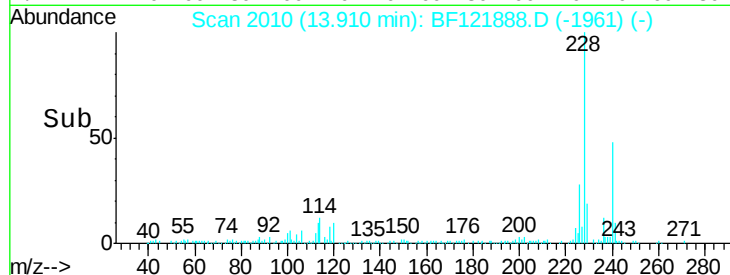
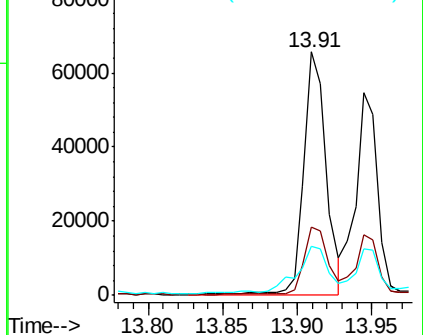
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.834 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

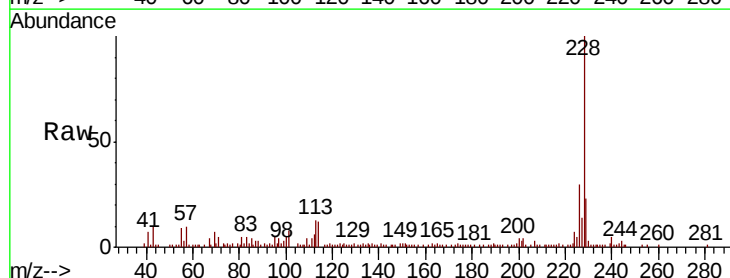
Tgt Ion:228 Resp: 56625

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

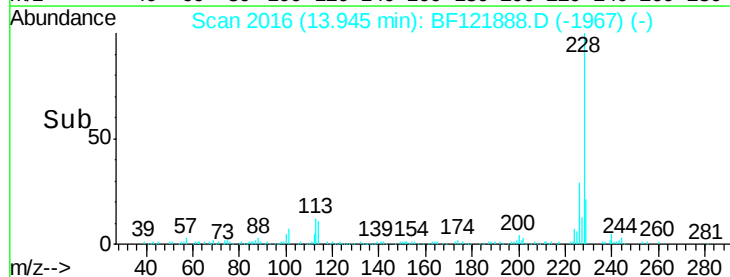
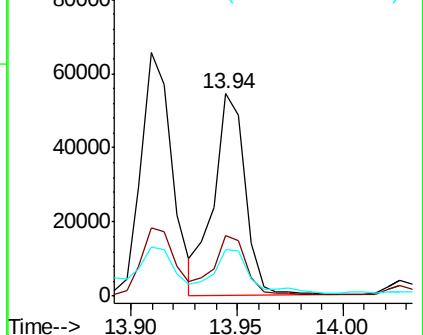
229 22.8 15.9 23.9

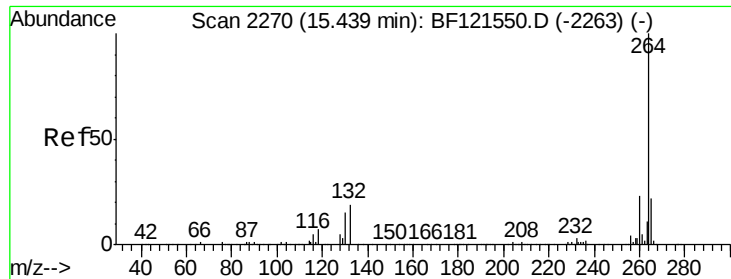


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

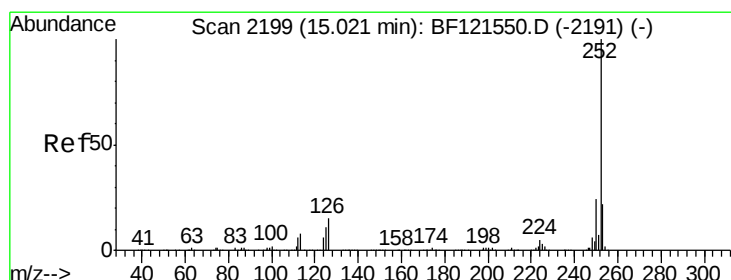
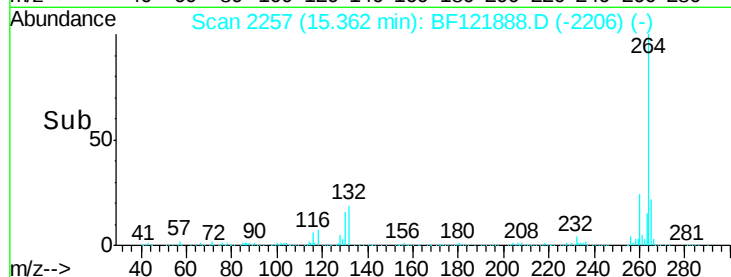
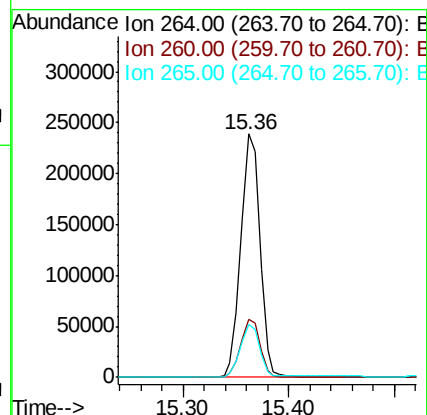
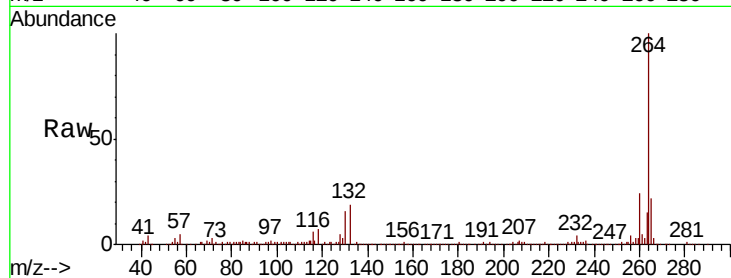




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

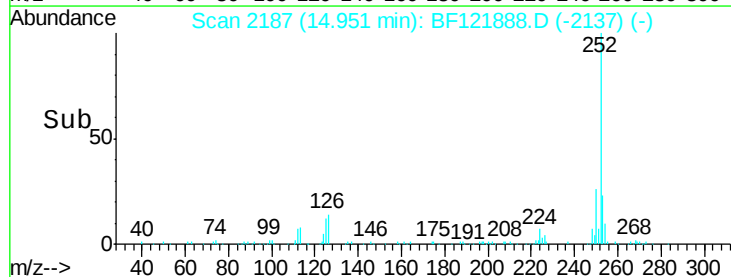
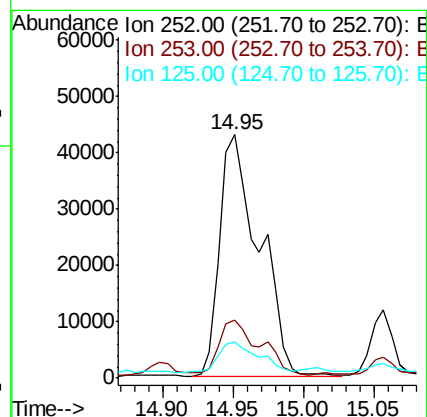
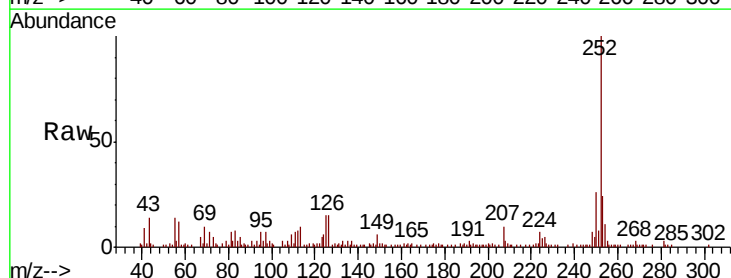
Instrument :
BNA_F
ClientSampleId :
PAV-B4-100620-10-20

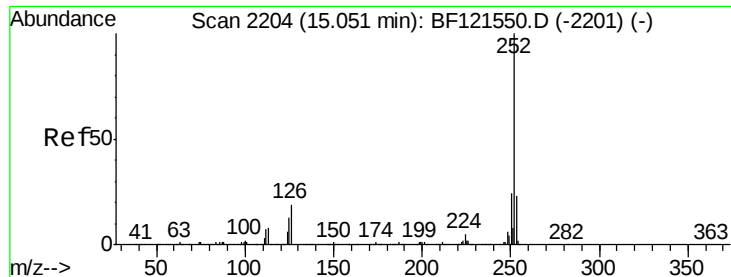
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.9	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 4.180 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121888.D
Acq: 8 Oct 2020 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	15.0	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 4.565 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.04 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

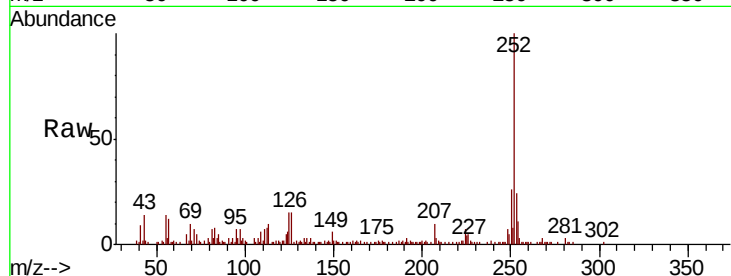
Tot Ion:252 Resp: 83726

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 15.0 7.7 11.5#

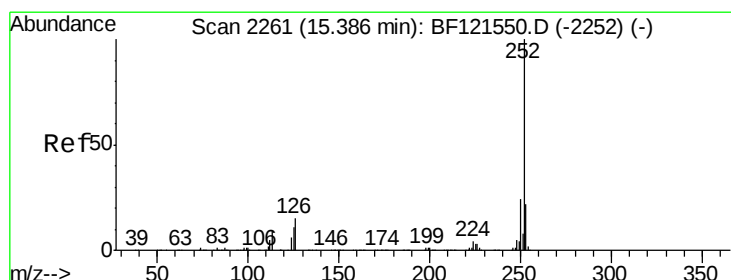
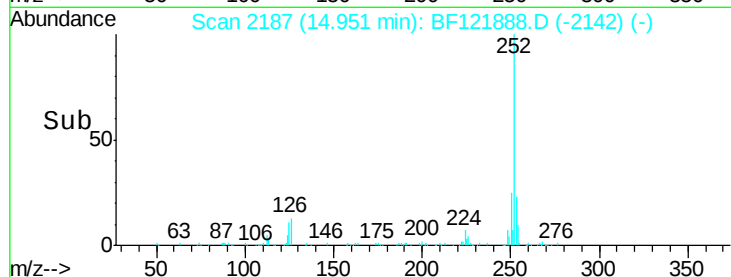
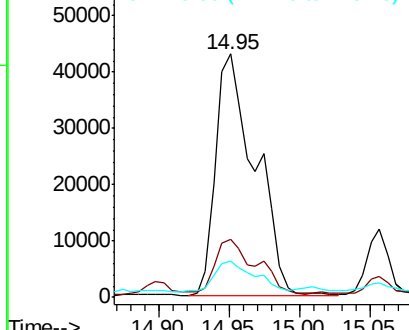


Abundance

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: 2.976 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

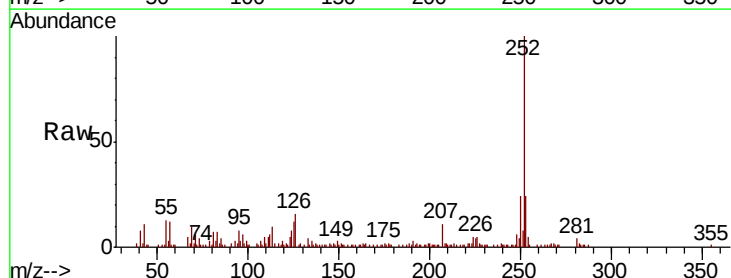
Tgt Ion:252 Resp: 50671

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 12.4 8.6 13.0

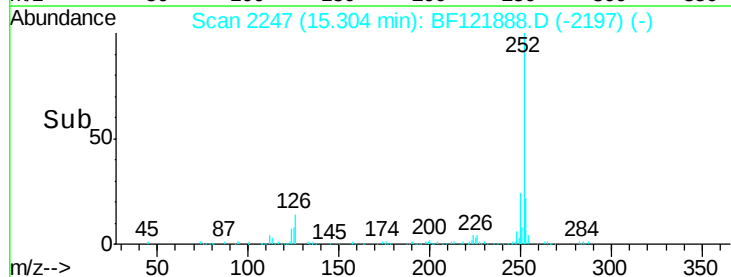
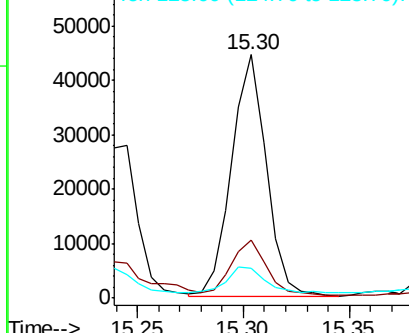


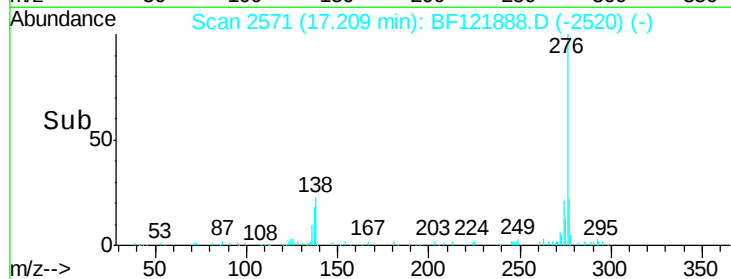
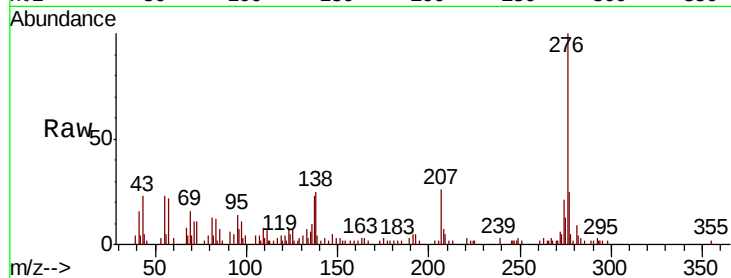
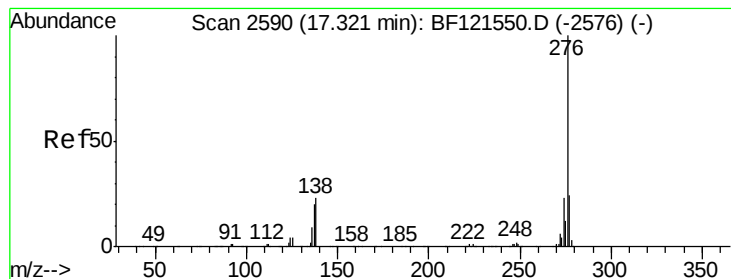
Abundance

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(a,h,i)perylene

Concen: 2.305 ng

RT: 17.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BF121888.D

Acq: 8 Oct 2020 14:40

Instrument :

BNA_F

ClientSampleId :

PAV-B4-100620-10-20

Tot Ion:276 Resp: 36795

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.2

138 24.6 17.8 26.6

