

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120273.D
 Acq On : 1 May 2020 22:08
 Operator : MA/SJ
 Sample : L2463-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:12:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	90317	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	324596	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	146498	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	255565	20.00	ng	0.00
76) Chrysene-d12	13.82	240	220766	20.00	ng	-0.01
87) Perylene-d12	15.23	264	217926	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	540096	103.35	ng	0.00
7) Phenol-d6	6.31	99	672174	99.82	ng	0.00
23) Nitrobenzene-d5	7.22	82	409726	65.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	136304	75.99	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	775479	75.16	ng	0.00
79) Terphenyl-d14	12.77	244	757120	57.71	ng	0.00

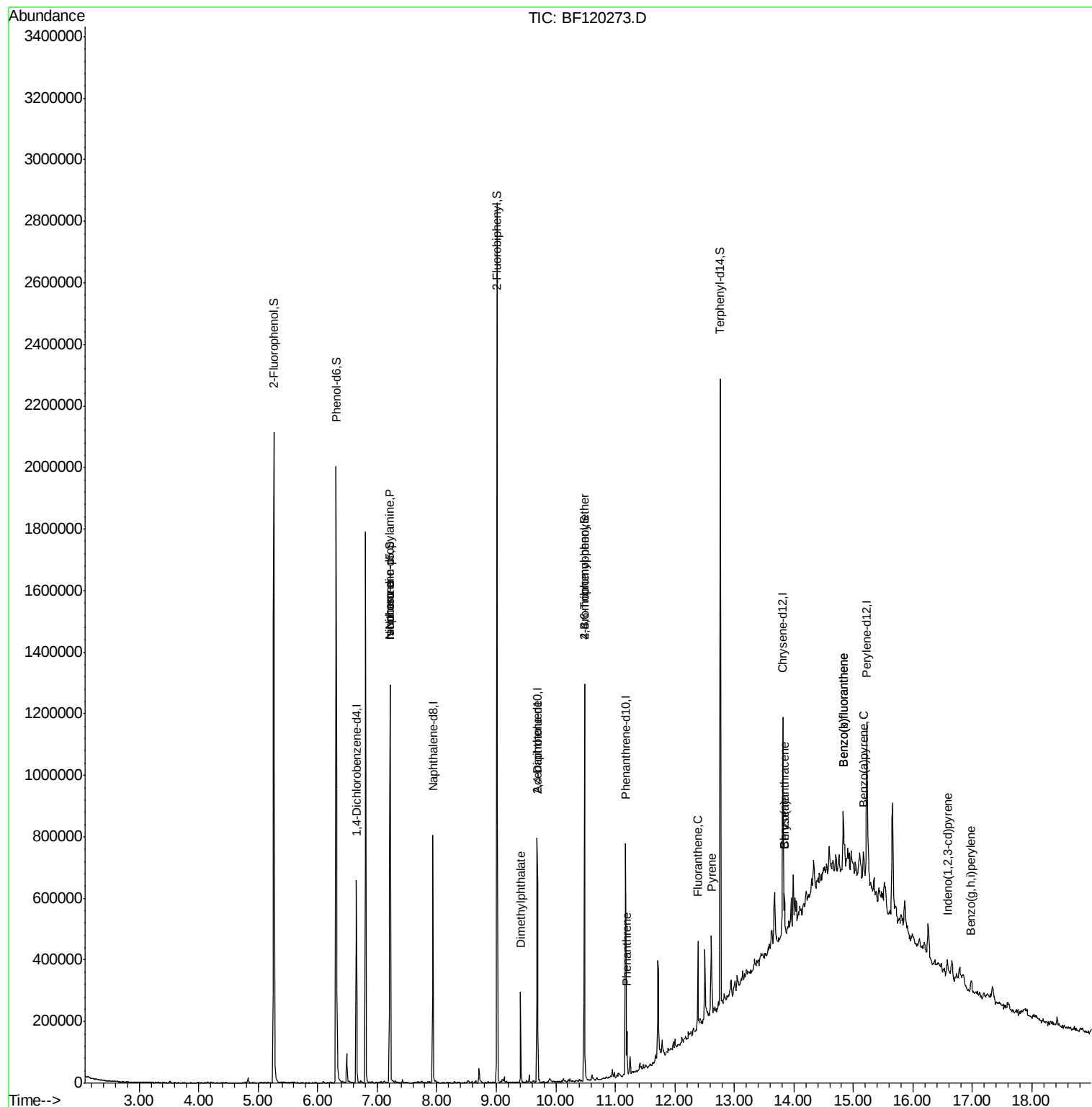
Target Compounds				Qvalue		
9) Benzaldehyde	6.20	77	494	Below Cal	#	80
19) n-Nitroso-di-n-propylamine	7.22	70	53352	12.320 ng	#	74
25) Isophorone	7.22	82	409718	33.875 ng	#	65
50) Dimethylphthalate	9.41	163	101118	8.924 ng		98
57) 2,4-Dinitrotoluene	9.69	165	18961	5.800 ng	#	19
67) 4-Bromophenyl-phenylether	10.48	248	9034	2.842 ng	#	1
71) Phenanthrene	11.20	178	49933	3.671 ng		98
75) Fluoranthene	12.39	202	107478	7.324 ng		94
78) Pyrene	12.62	202	99779	5.361 ng		98
81) Benzo(a)anthracene	13.84	228	51909	3.574 ng		95
83) Chrysene	13.84	228	51909	3.518 ng		95
86) Indeno(1,2,3-cd)pyrene	16.57	276	27781	2.136 ng		95
88) Benzo(b)fluoranthene	14.83	252	85231	5.437 ng	#	86
89) Benzo(k)fluoranthene	14.83	252	85231	6.301 ng	#	87
90) Benzo(a)pyrene	15.17	252	32958	2.500 ng	#	76
92) Benzo(g,h,i)perylene	16.98	276	31354	2.720 ng	#	85

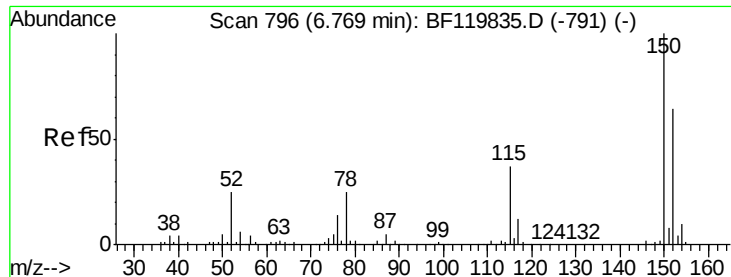
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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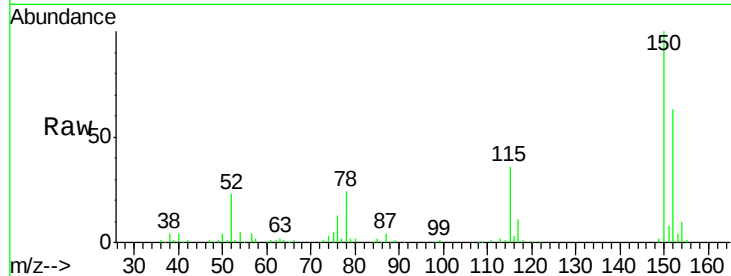


#1

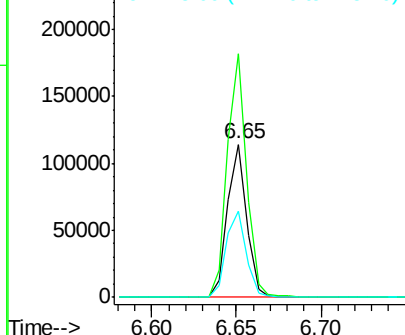
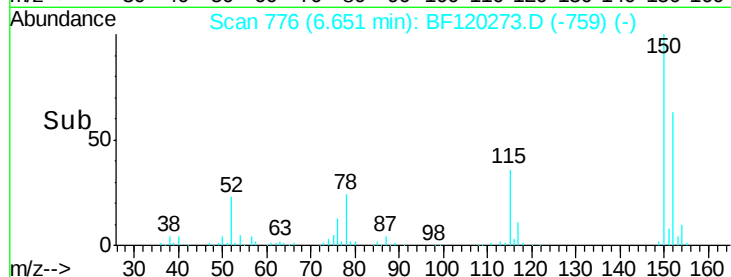
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90317
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 56.6 49.6 74.4



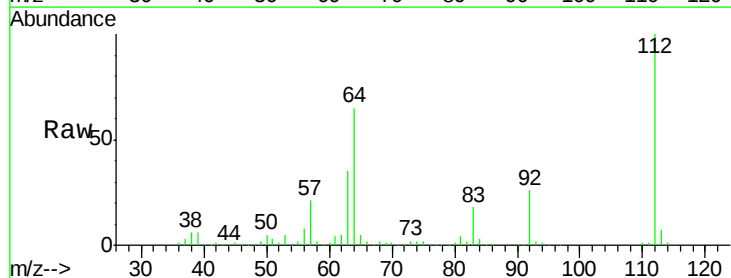
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



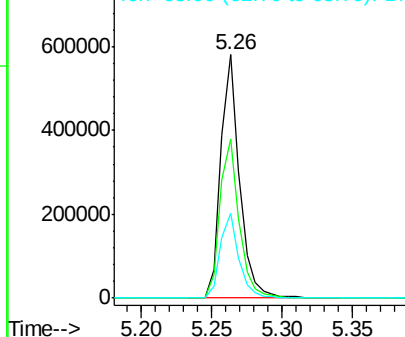
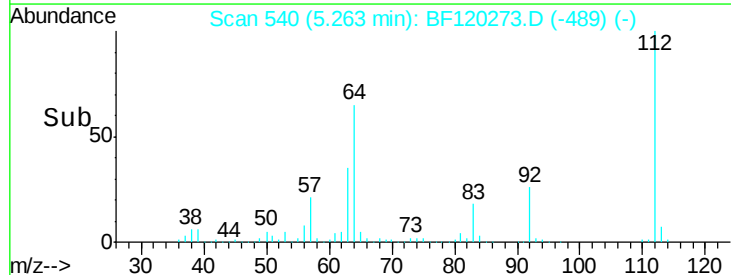
#5

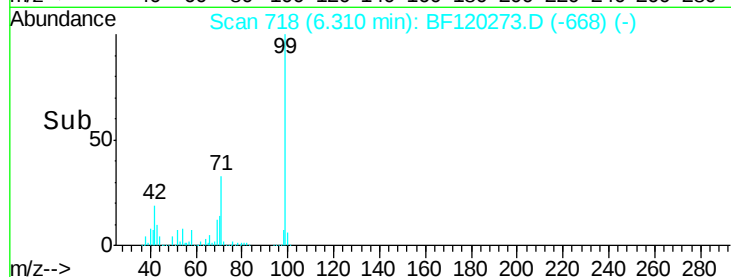
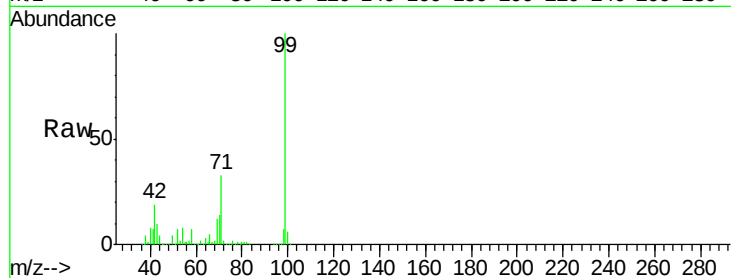
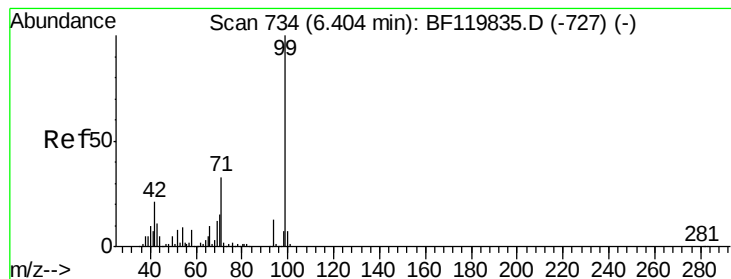
2-Fluorophenol
Concen: 103.345 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Tgt Ion:112 Resp: 540096
Ion Ratio Lower Upper
112 100
64 65.4 56.7 85.1
63 34.8 29.5 44.3



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: 99.816 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

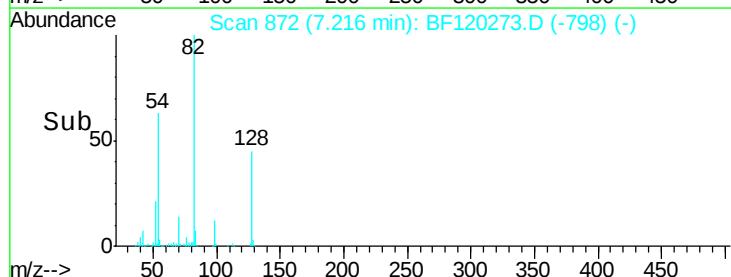
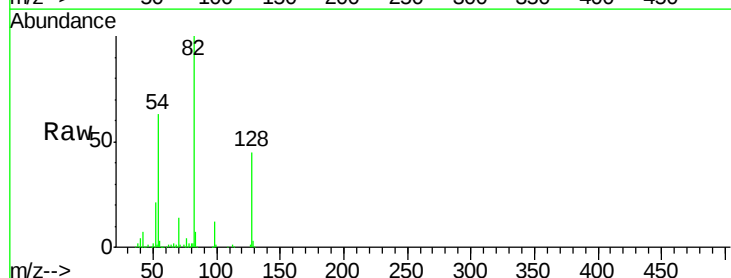
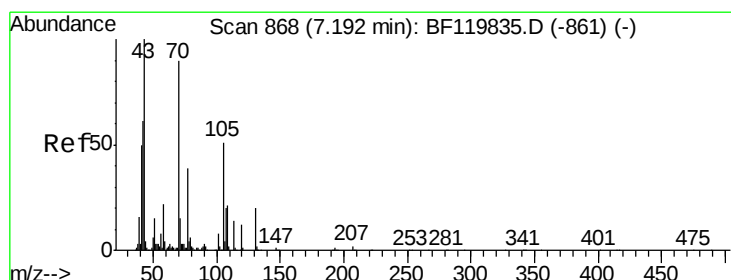
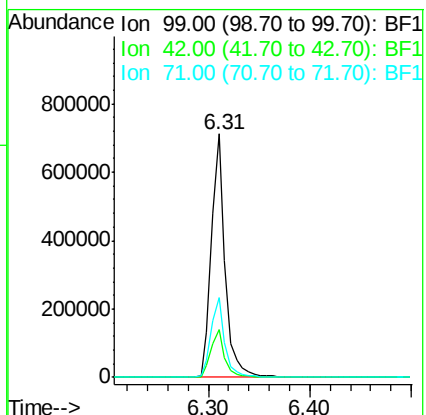
Tot Ion: 99 Resp: 672174

Ion Ratio Lower Upper

99 100

42 19.4 16.6 24.8

71 32.8 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.320 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Tgt Ion: 70 Resp: 53352

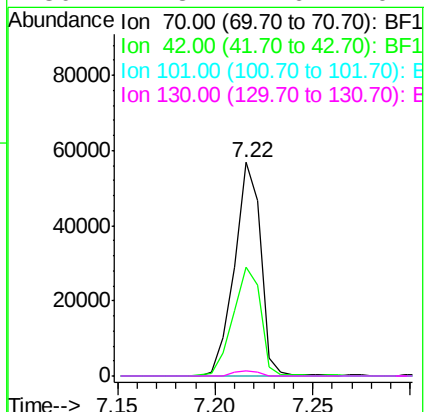
Ion Ratio Lower Upper

70 100

42 51.2 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

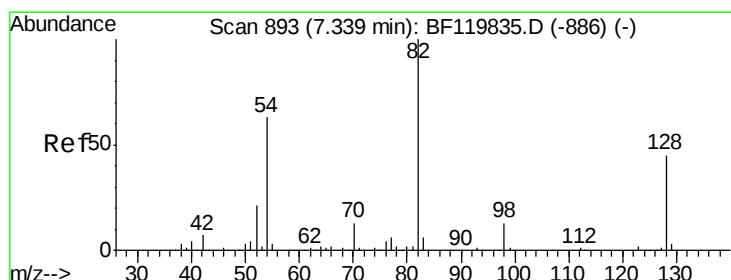
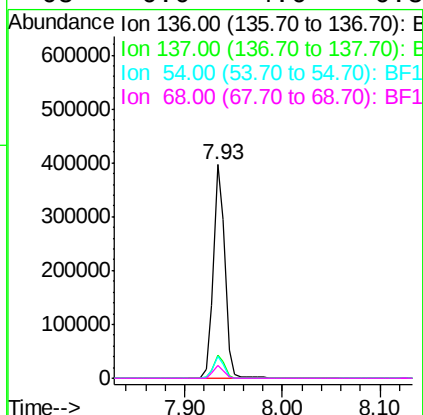
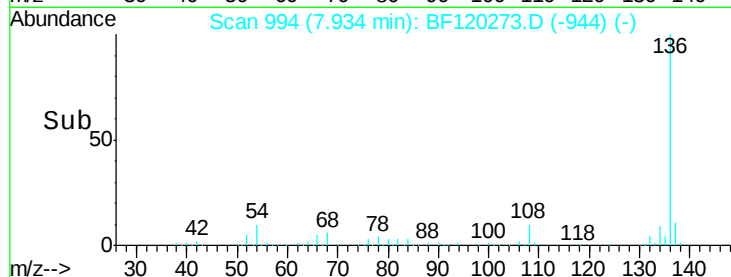
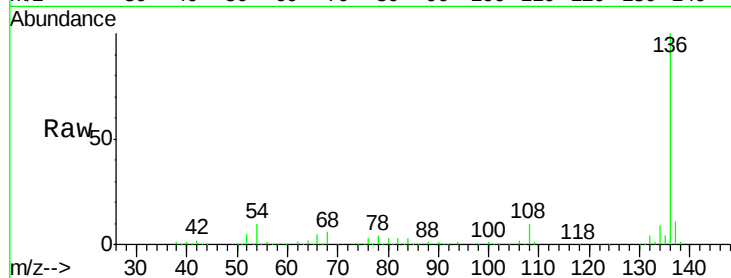




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

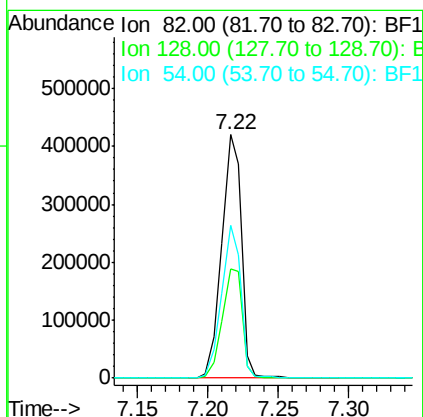
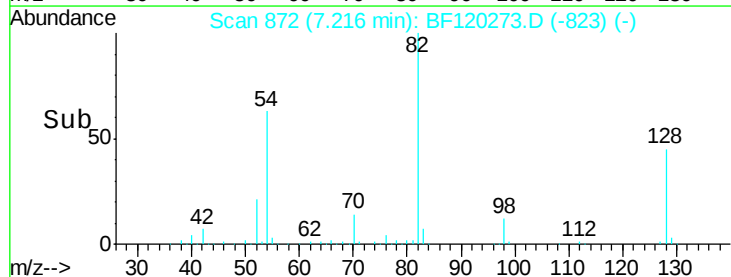
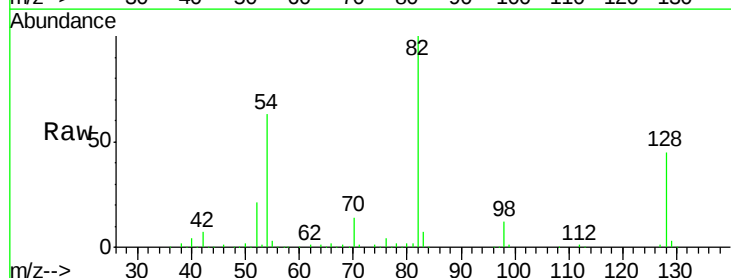
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	324596
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	10.5	9.1 13.7
68	6.0	4.6 6.8



#23
Nitrobenzene-d5
Concen: 65.301 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Tgt Ion: 82	Resp:	409726
Ion	Ratio	Lower Upper
82	100	
128	45.0	36.3 54.5
54	62.8	50.6 75.8





#25

Isophorone

Concen: 33.875 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

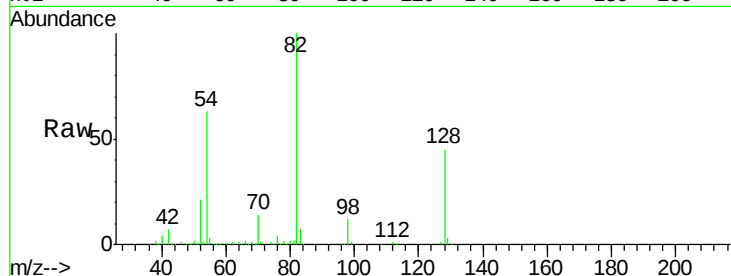
Tot Ion: 82 Resp: 409718

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

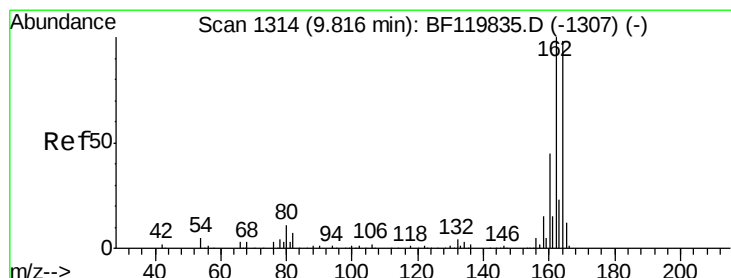
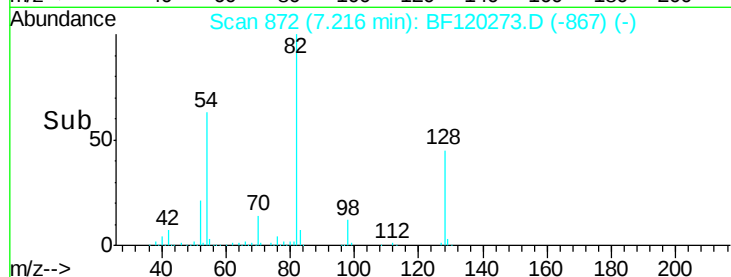
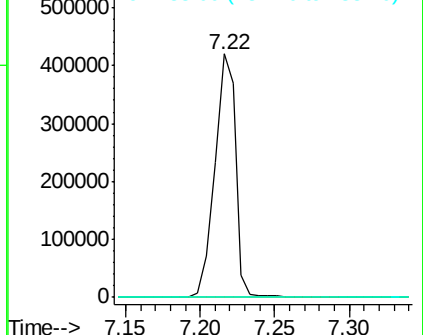
138 0.0 14.6 21.8#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

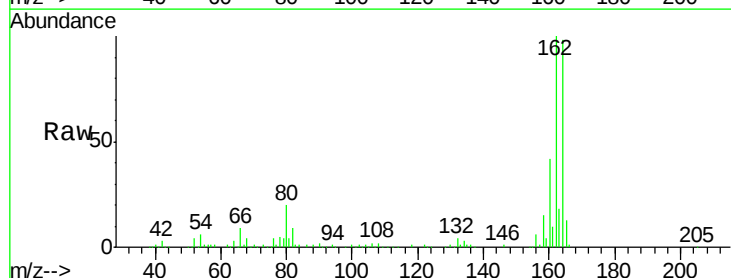
Tgt Ion: 164 Resp: 146498

Ion Ratio Lower Upper

164 100

162 102.5 80.6 121.0

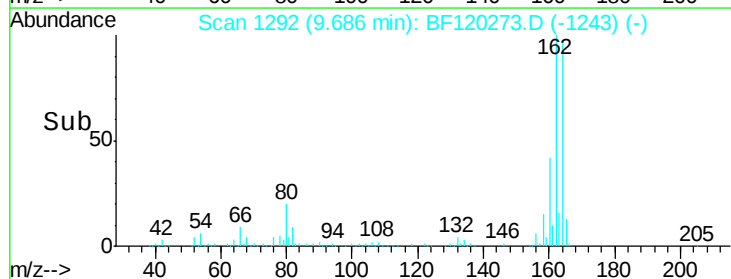
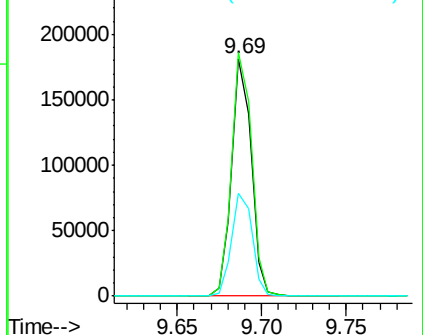
160 43.5 35.7 53.5

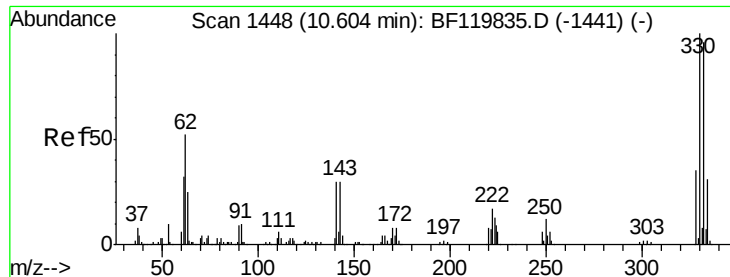


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

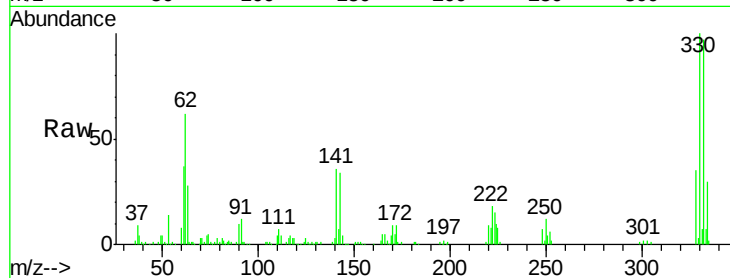




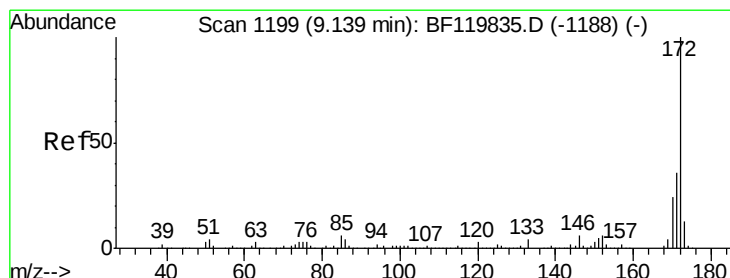
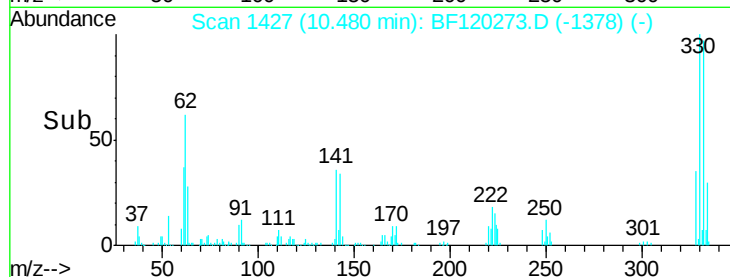
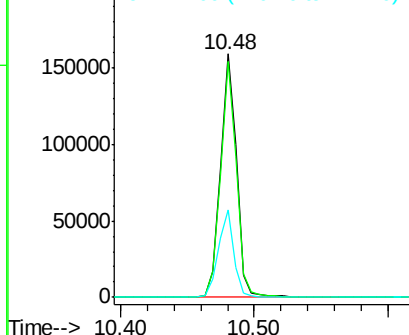
#42
 2,4,6-Tribromophenol
 Concen: 75.993 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.7	113.5
141	34.7	25.4	38.0

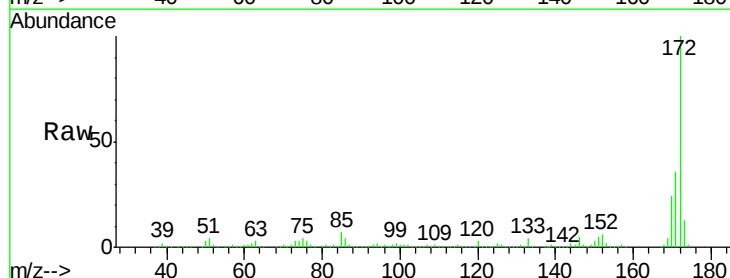


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

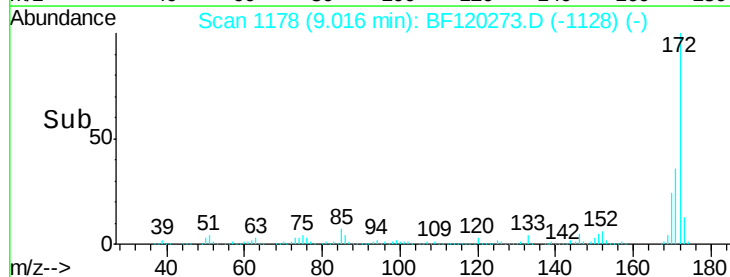
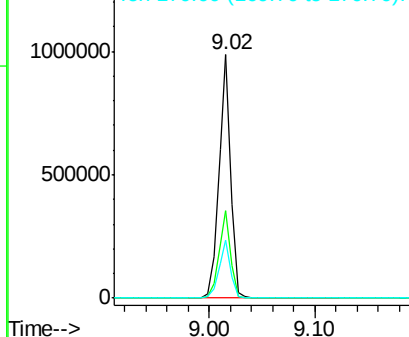


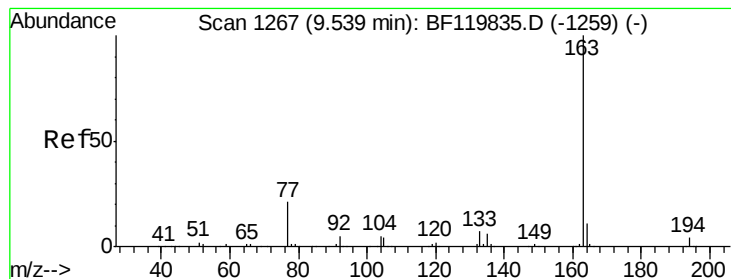
#45
 2-Fluorobiphenyl
 Concen: 75.155 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.0	20.2	30.2



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: 8.924 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

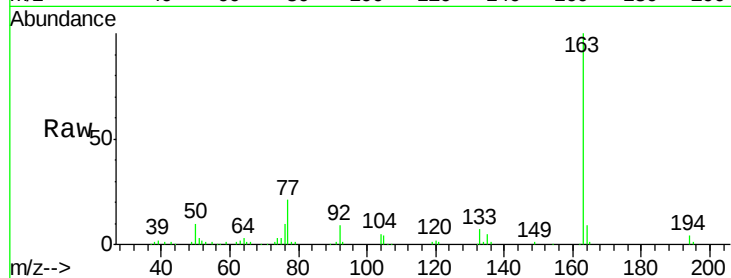
Tot Ion:163 Resp: 101118

Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

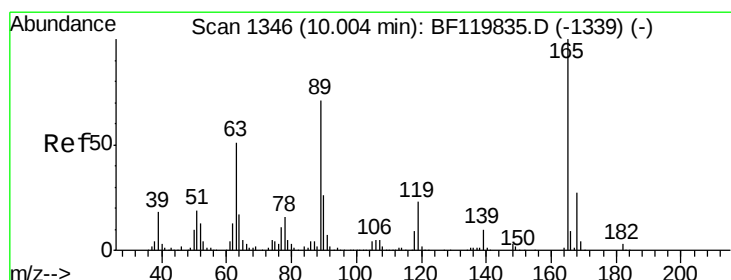
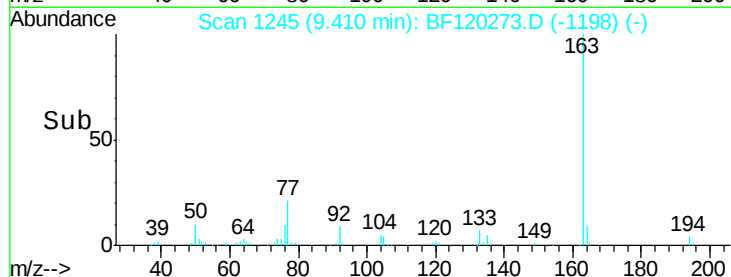
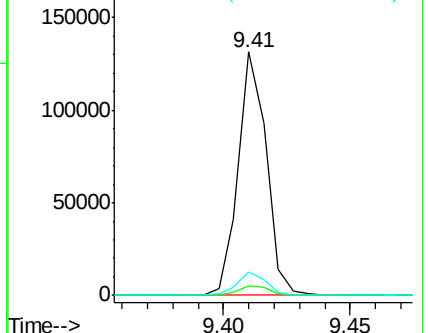
164 9.5 8.2 12.2



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: 5.800 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.21 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Tgt Ion:165 Resp: 18961

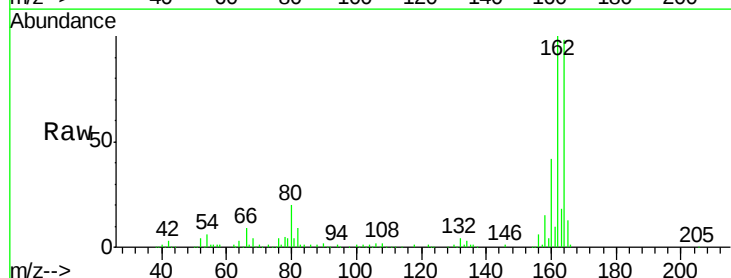
Ion Ratio Lower Upper

165 100

63 1.3 42.6 64.0#

89 0.0 61.0 91.4#

182 0.0 2.2 3.2#

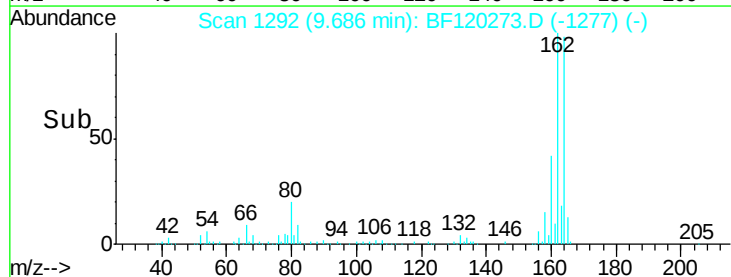
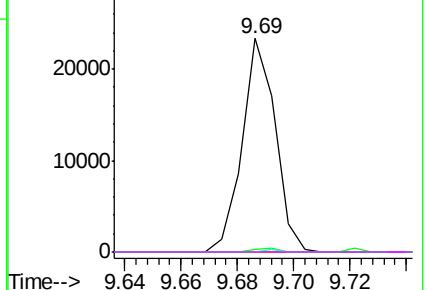


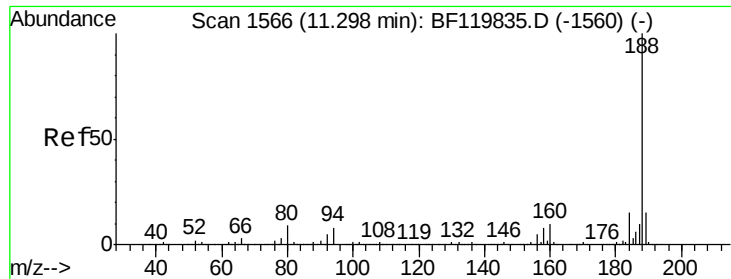
Abundance Ion 165.00 (164.70 to 165.70): E

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

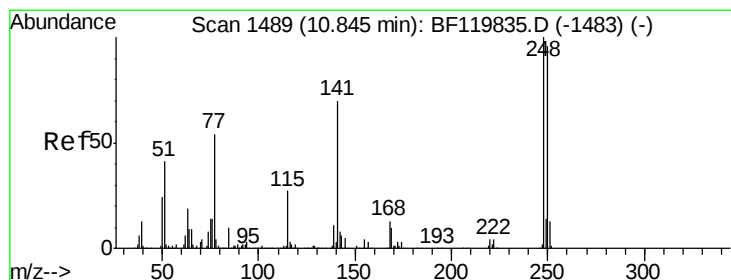
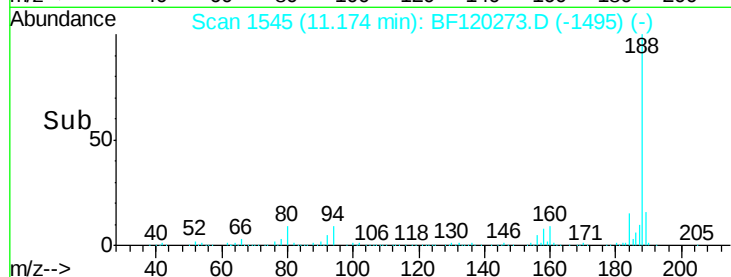
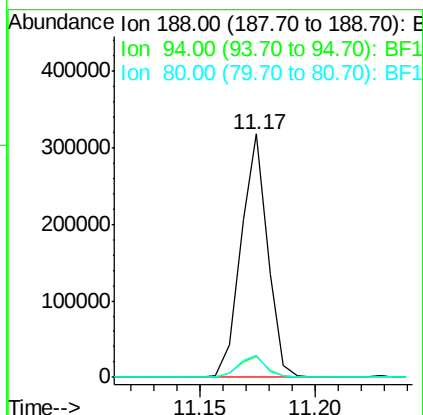
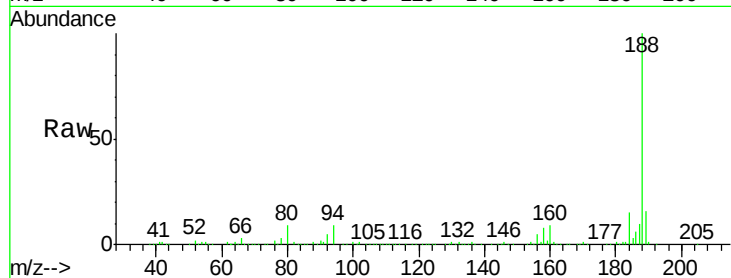




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

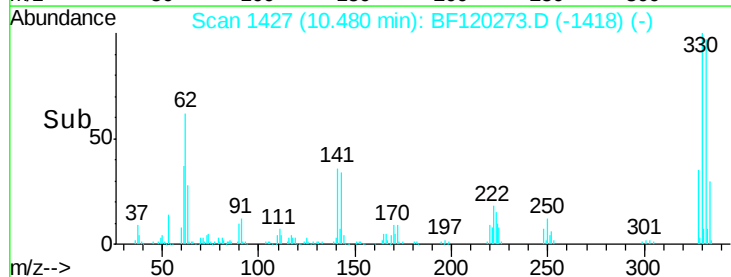
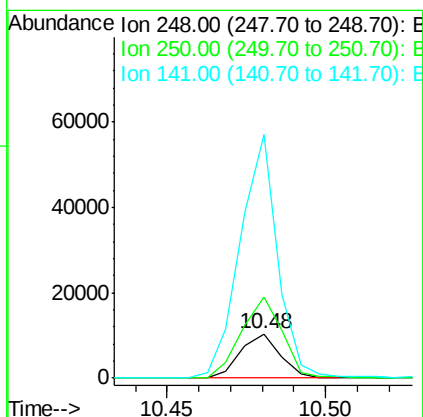
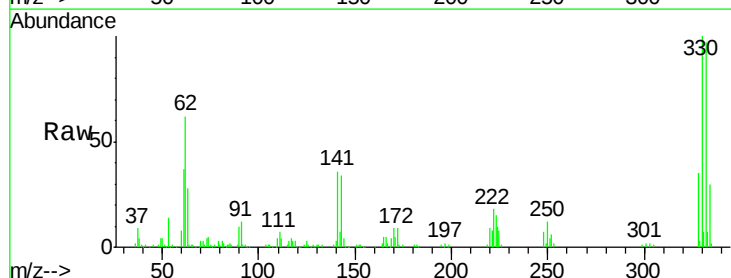
Instrument :
 BNA_F
 ClientSampleId :

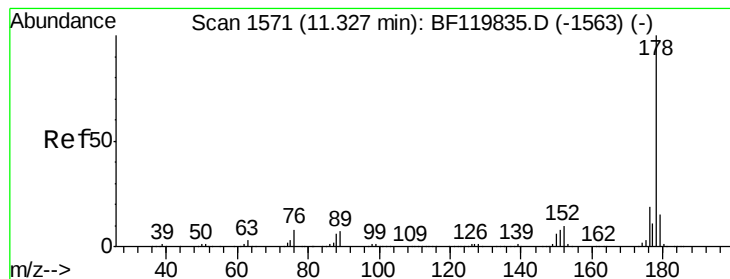
Tot Ion:188 Resp: 255565
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.5 11.3
 80 9.3 9.0 13.4



#67
 4-Bromophenyl-phenylether
 Concen: 2.842 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

Tgt Ion:248 Resp: 9034
 Ion Ratio Lower Upper
 248 100
 250 184.8 77.3 115.9#
 141 550.8 58.6 87.8#





#71

Phenanthrene

Concen: 3.671 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

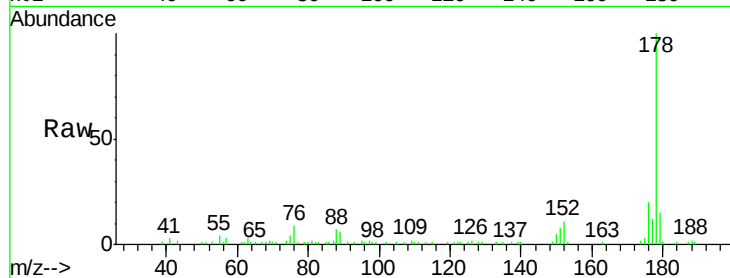
Tot Ion:178 Resp: 49933

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

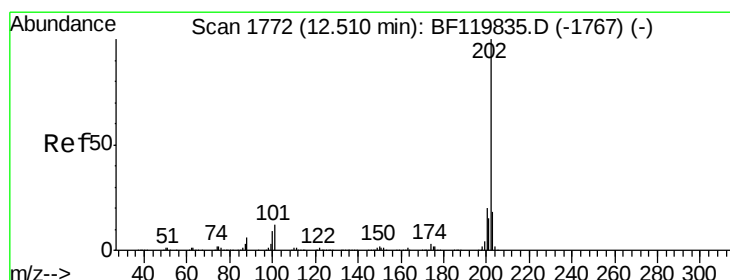
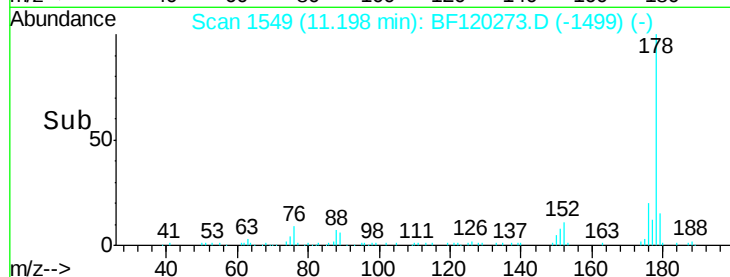
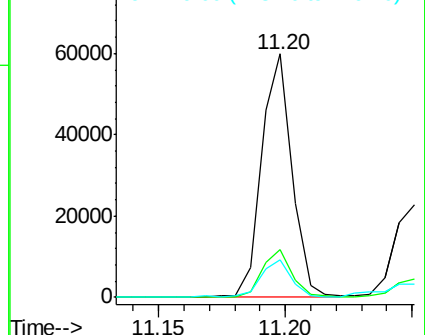
179 15.4 13.2 19.8



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: 7.324 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

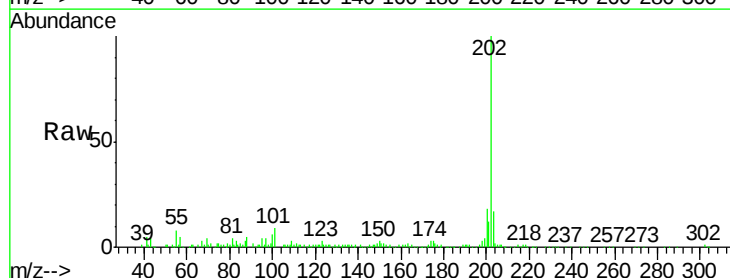
Tgt Ion:202 Resp: 107478

Ion Ratio Lower Upper

202 100

101 8.9 0.0 32.2

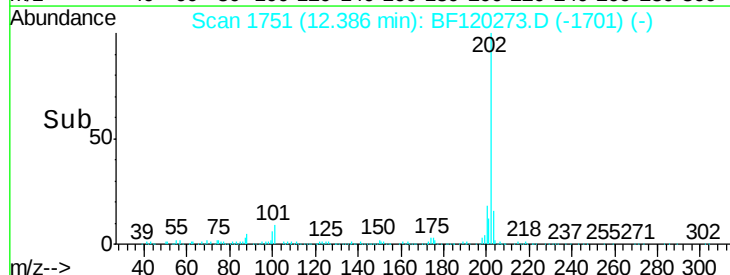
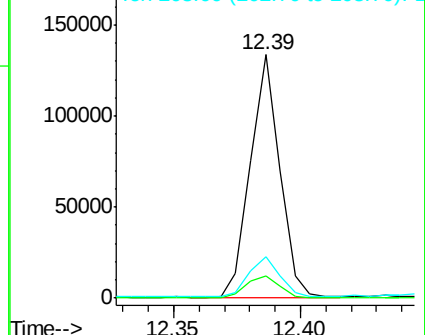
203 16.9 0.0 38.8

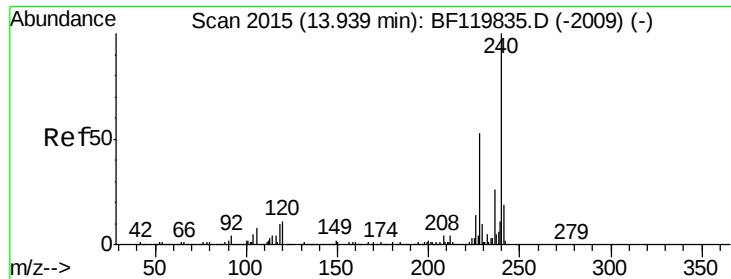


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

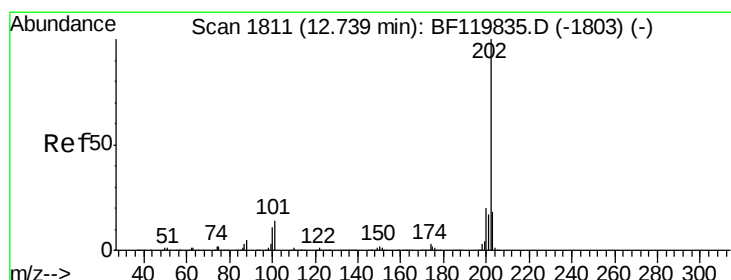
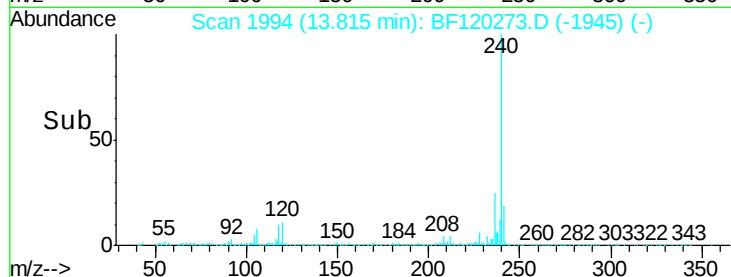
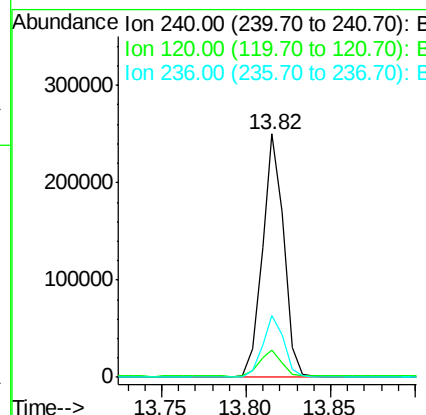
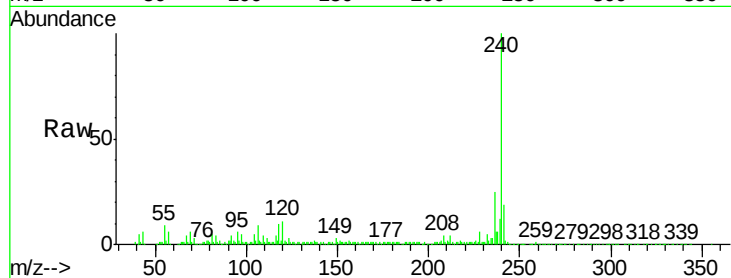




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

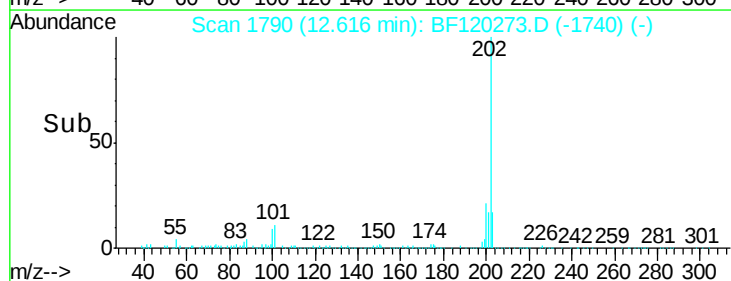
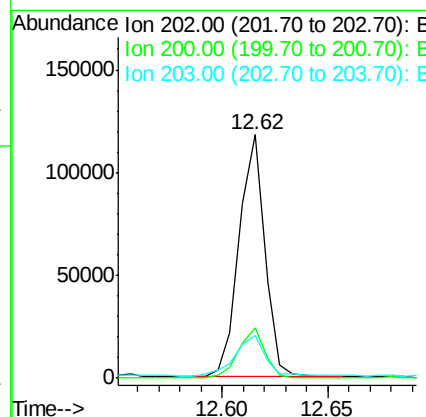
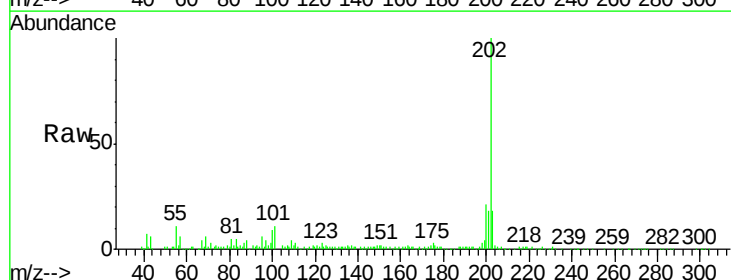
Instrument :
 BNA_F
 ClientSampleId :

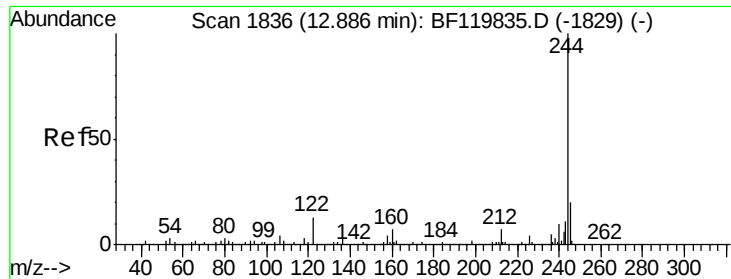
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.6	15.8
236	25.4	20.2	30.2



#78
 Pyrene
 Concen: 5.361 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF120273.D
 Acq: 1 May 2020 22:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.5	15.1	22.7





#79

Terphenyl-d14

Concen: 57.707 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

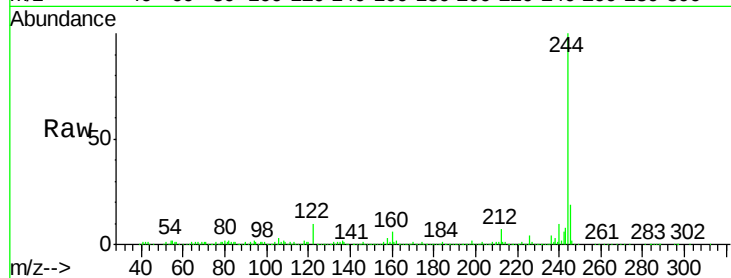
Tot Ion:244 Resp: 757120

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

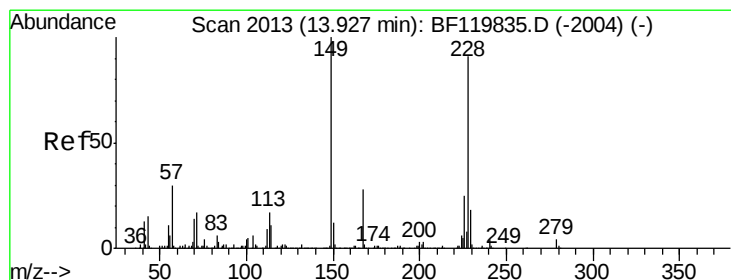
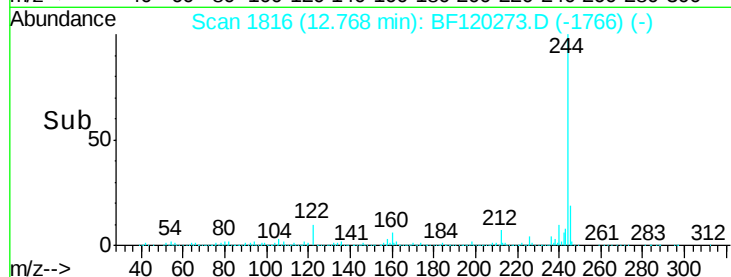
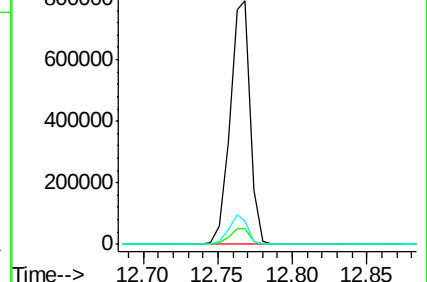
122 9.8 10.3 15.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.574 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.03 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

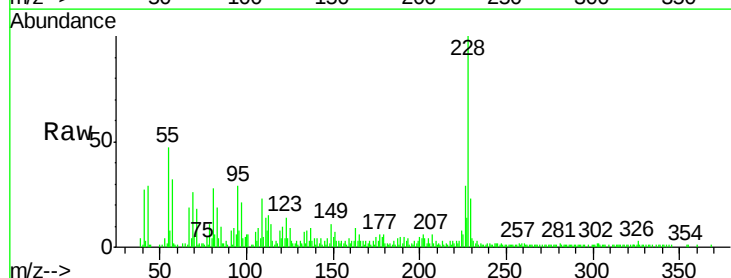
Tgt Ion:228 Resp: 51909

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

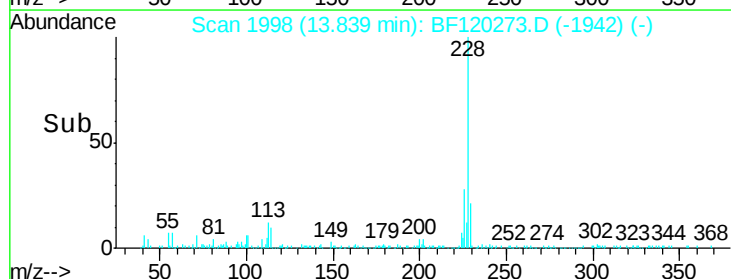
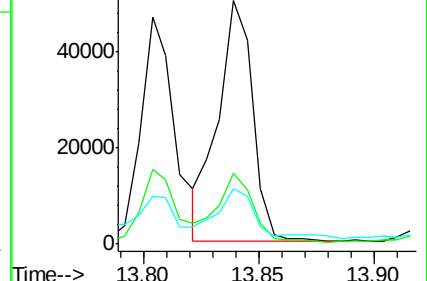
229 23.0 16.2 24.4

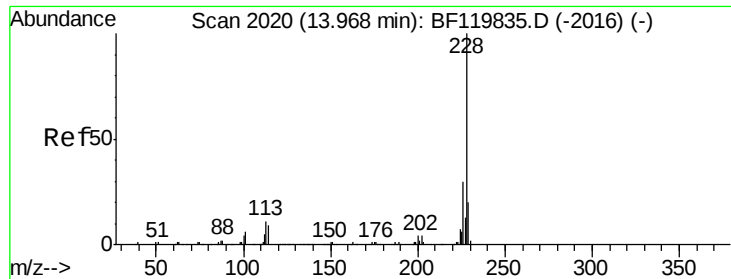


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.518 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

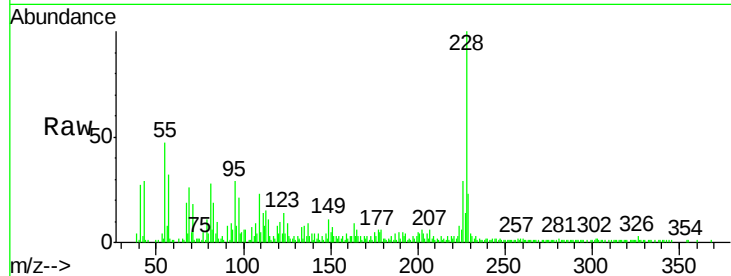
Tot Ion:228 Resp: 51909

Ion Ratio Lower Upper

228 100

226 29.2 25.4 38.0

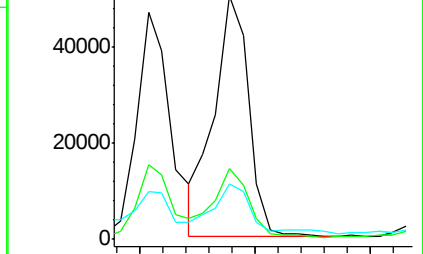
229 23.0 16.6 24.8



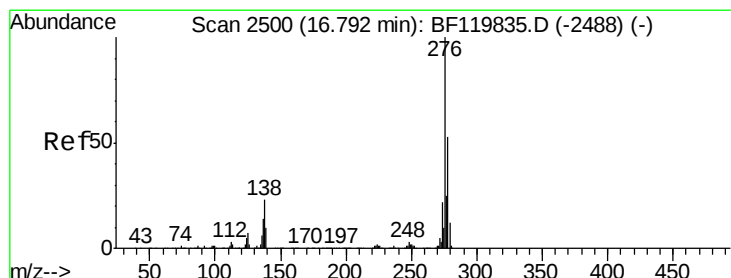
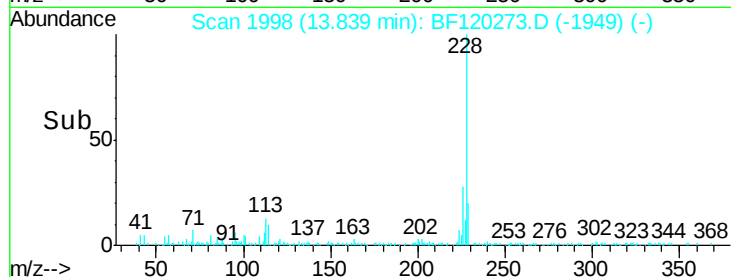
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.136 ng

RT: 16.57 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

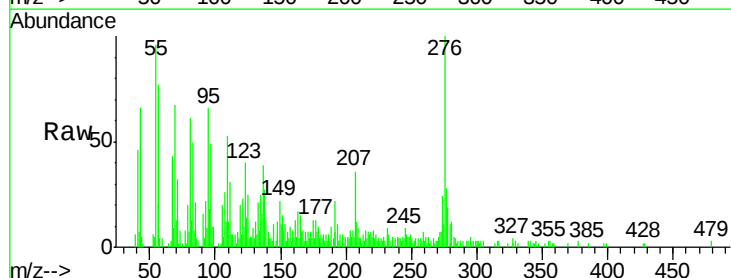
Tgt Ion:276 Resp: 27781

Ion Ratio Lower Upper

276 100

138 21.6 19.6 29.4

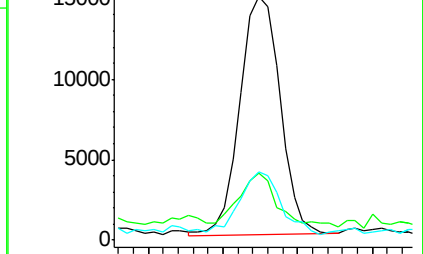
277 27.2 20.0 30.0



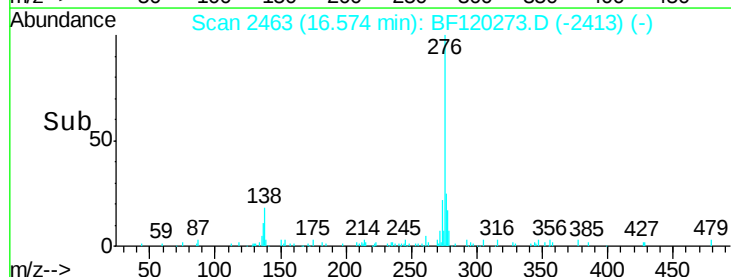
Abundance Ion 276.00 (275.70 to 276.70): E

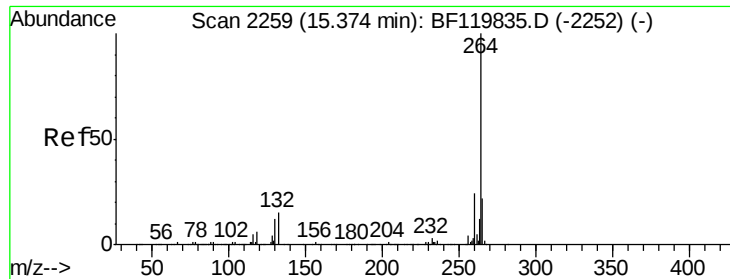
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



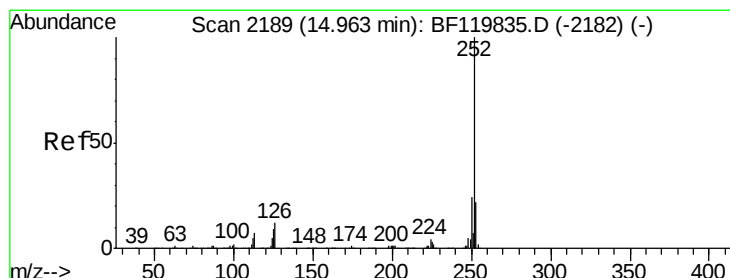
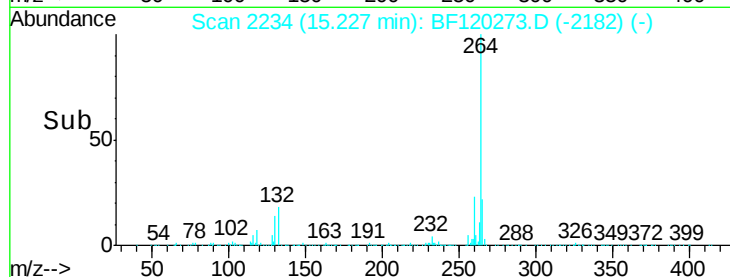
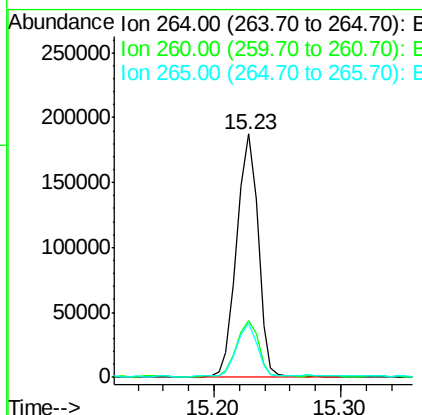
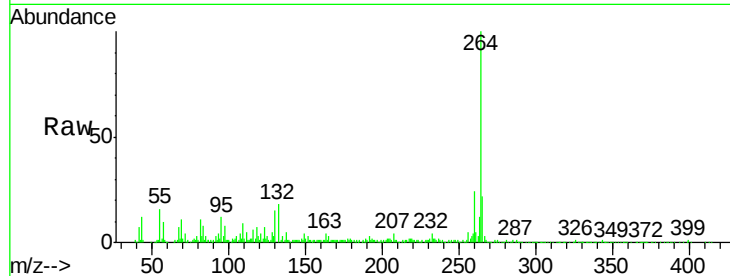


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 217926

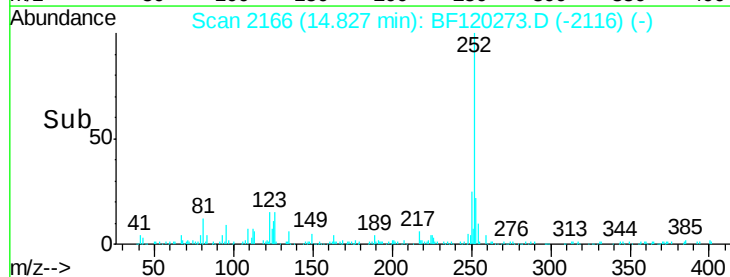
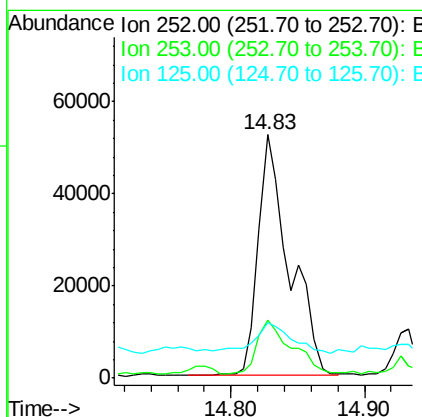
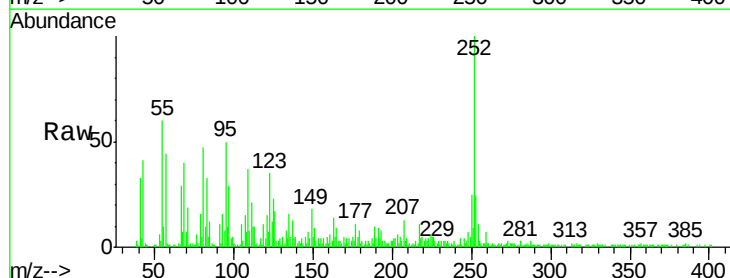
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.0	17.7	26.5

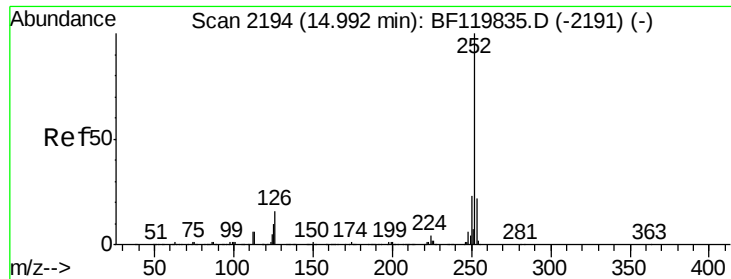


#88
Benzo(b)fluoranthene
Concen: 5.437 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Tgt Ion:252 Resp: 85231

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	22.9	7.9	11.9

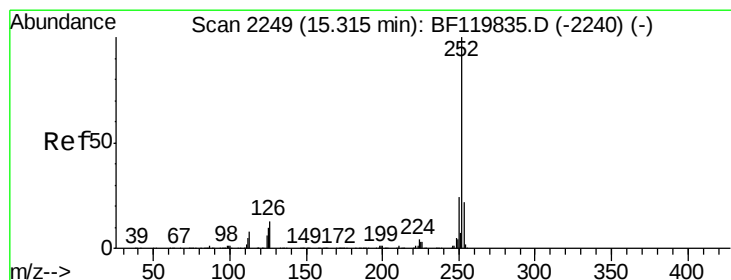
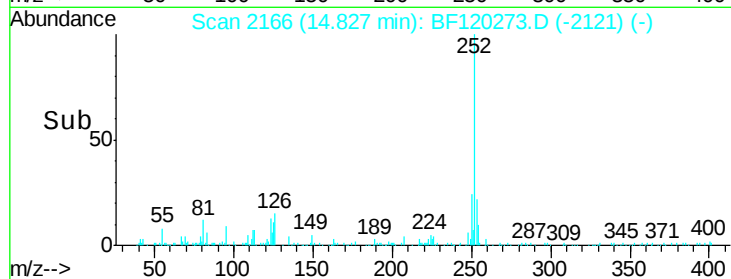
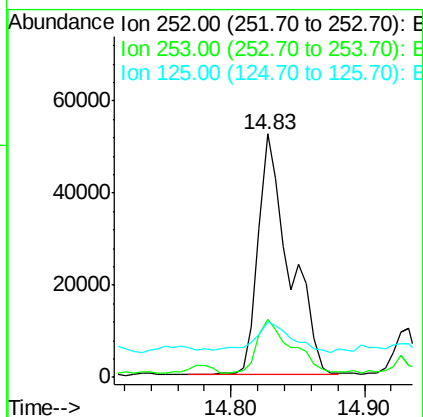
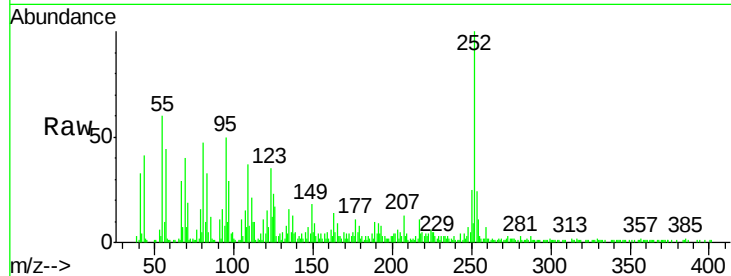




#89
Benzo(k)fluoranthene
Concen: 6.301 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

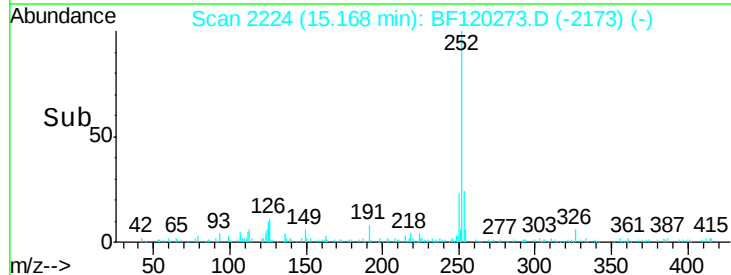
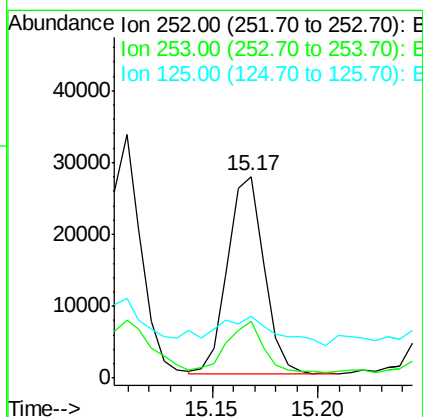
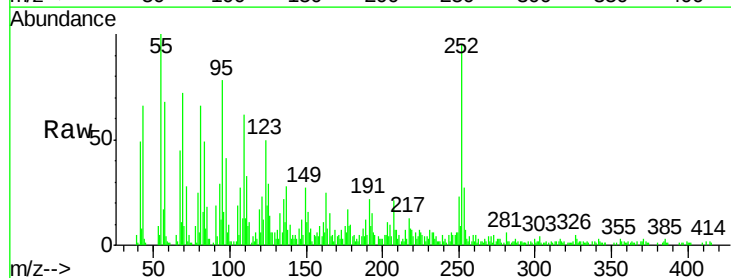
Instrument :
BNA_F
ClientSampleId :

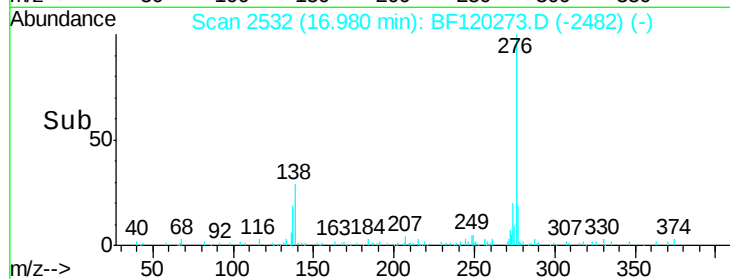
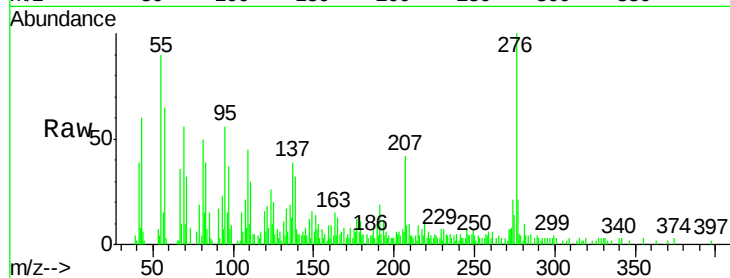
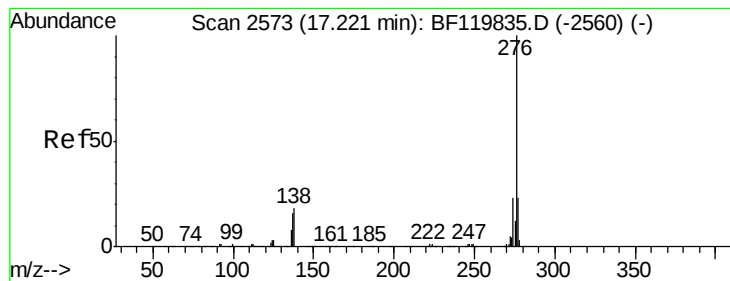
Tot Ion:252 Resp: 85231
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 22.9 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.500 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120273.D
Acq: 1 May 2020 22:08

Tgt Ion:252 Resp: 32958
Ion Ratio Lower Upper
252 100
253 28.3 18.2 27.2#
125 30.5 9.4 14.2#





#92

Benzo(a,h,i)perylene

Concen: 2.720 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF120273.D

Acq: 1 May 2020 22:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 31354

Ion Ratio Lower Upper

276 100

277 21.4 18.4 27.6

138 32.0 15.4 23.0

