

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
 Data File : BF118722.D
 Acq On : 27 Jan 2020 16:41
 Operator : CG/JU
 Sample : L1263-04 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 17:48:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	331433	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1186985	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	587420	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	899869	20.00	ng	0.00
76) Chrysene-d12	14.02	240	611957	20.00	ng	0.00
87) Perylene-d12	15.49	264	760643	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	879737	49.30	ng	0.00
7) Phenol-d6	6.48	99	1061766	45.78	ng	-0.01
23) Nitrobenzene-d5	7.42	82	653031	30.77	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	282413	41.57	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1279272	35.79	ng	0.00
79) Terphenyl-d14	12.96	244	1082340	38.58	ng	0.00

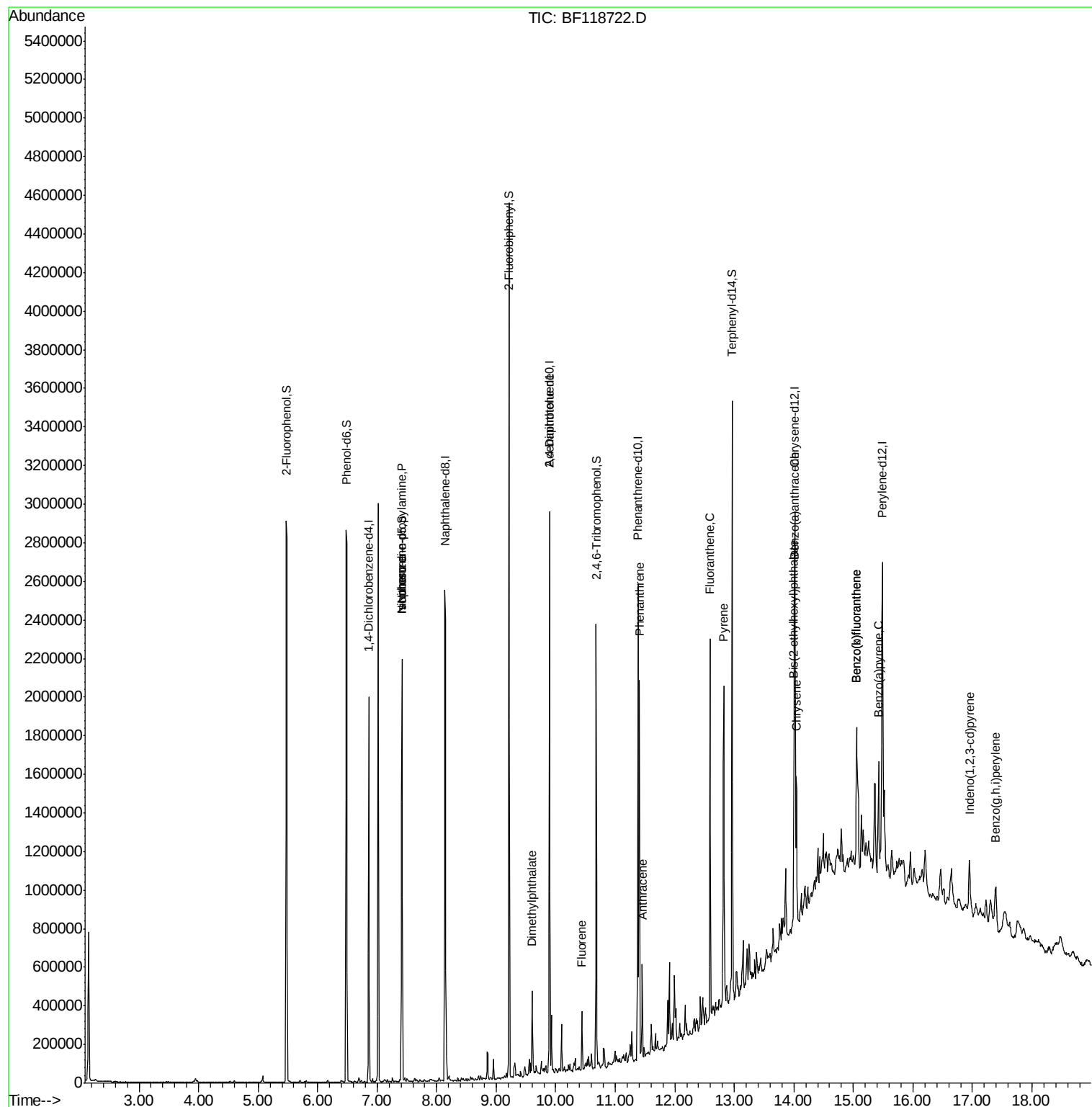
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	87857	5.610	ng	# 76
25) Isophorone	7.42	82	653128	16.874	ng	# 63
50) Dimethylphthalate	9.60	163	151735	3.965	ng	99
57) 2,4-Dinitrotoluene	9.90	165	79586	7.367	ng	# 30
58) Fluorene	10.44	166	75293	2.156	ng	98
71) Phenanthrene	11.40	178	700096	16.126	ng	97
72) Anthracene	11.46	178	193759	4.511	ng	96
75) Fluoranthene	12.59	202	736688	16.089	ng	97
78) Pyrene	12.82	202	672595	16.189	ng	97
81) Benzo(a)anthracene	14.00	228	343941	9.343	ng	99
83) Chrysene	14.04	228	326471	9.253	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	42666	2.054	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	190853	6.226	ng	94
88) Benzo(b)fluoranthene	15.06	252	558642	11.684	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	558642	12.612	ng	# 97
90) Benzo(a)pyrene	15.42	252	307231	7.449	ng	97
92) Benzo(a,h,i)perylene	17.39	276	175665	4.959	ng	97

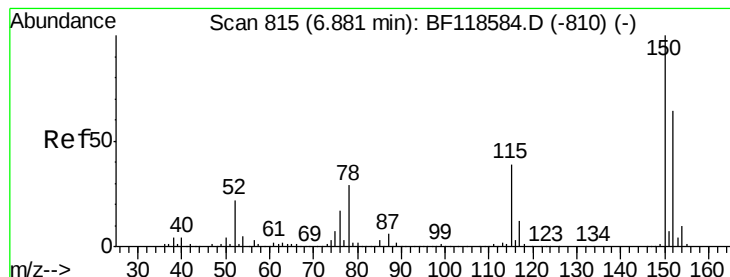
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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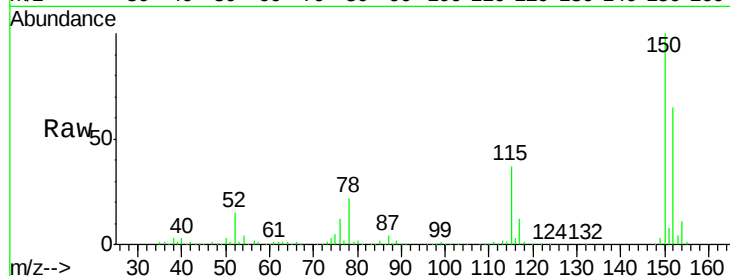


#1

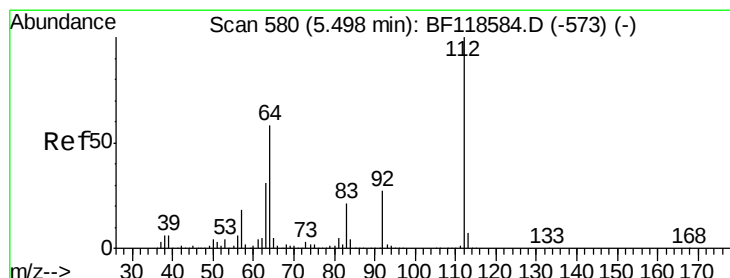
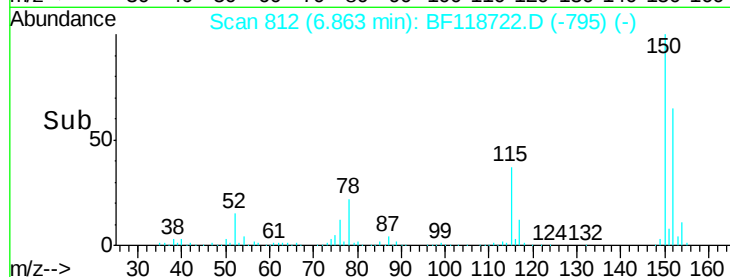
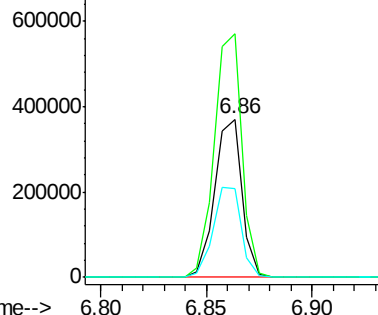
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 331433
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 56.3 45.1 67.7



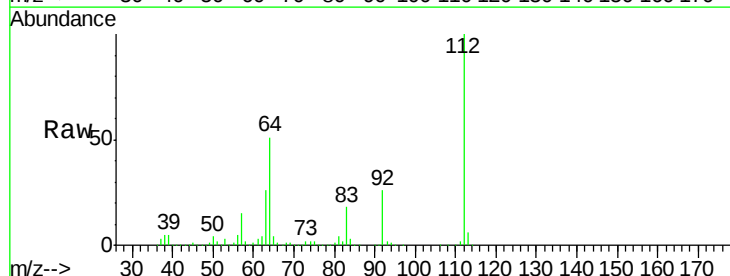
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



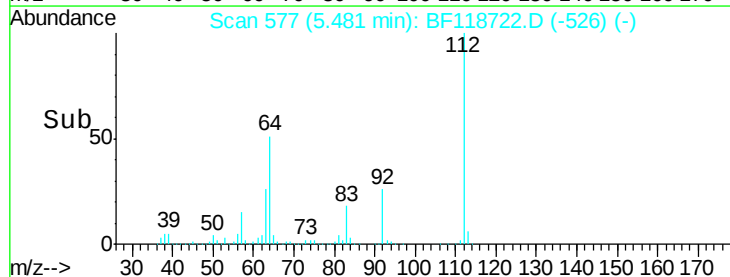
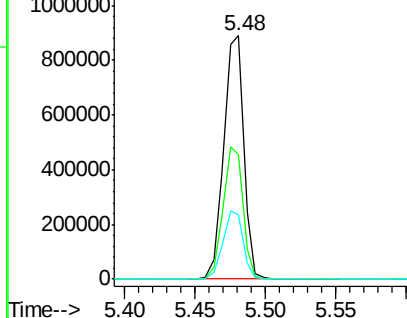
#5

2-Fluorophenol
Concen: 49.298 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

Tgt Ion:112 Resp: 879737
Ion Ratio Lower Upper
112 100
64 51.4 42.4 63.6
63 26.4 21.7 32.5



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: 45.777 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampled :

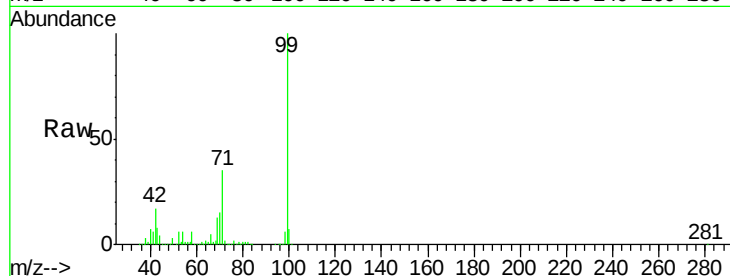
Tot Ion: 99 Resp: 1061766

Ion Ratio Lower Upper

99 100

42 16.6 13.1 19.7

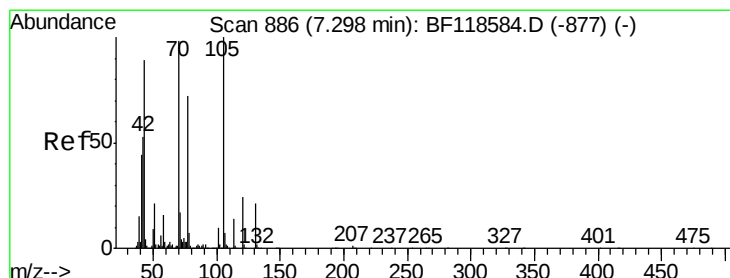
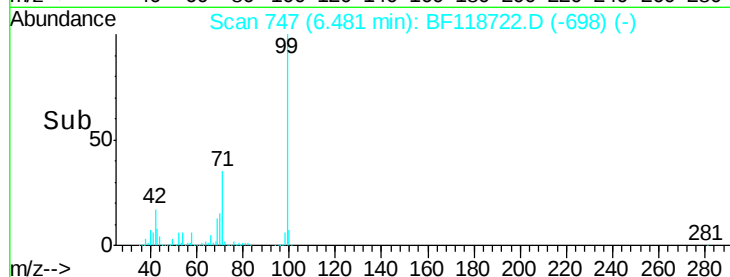
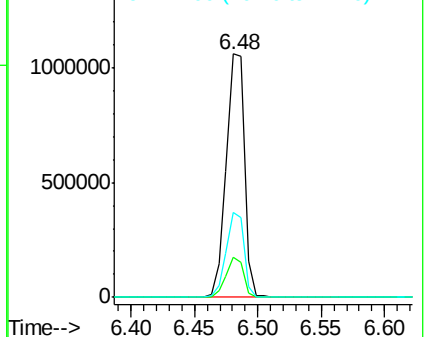
71 35.0 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.610 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Tgt Ion: 70 Resp: 87857

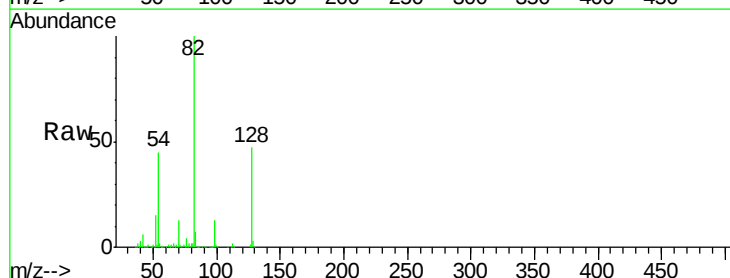
Ion Ratio Lower Upper

70 100

42 42.2 41.6 62.4

101 0.0 7.9 11.9#

130 2.7 19.0 28.6#

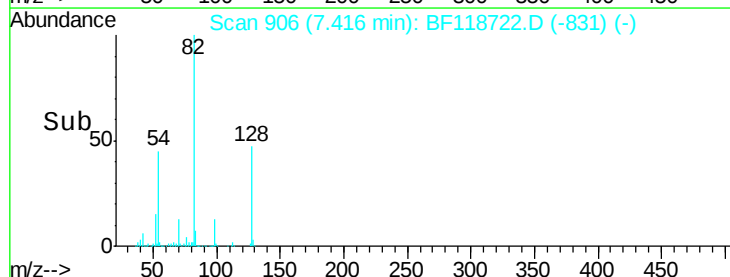
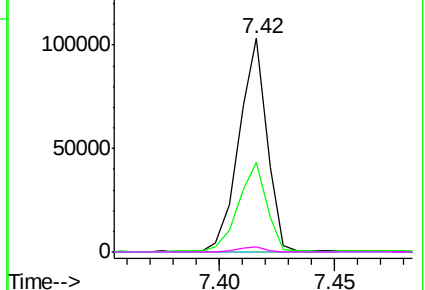


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1186985

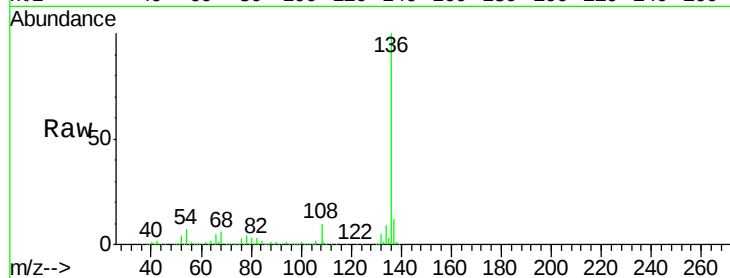
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 7.3 5.1 7.7

68 6.1 4.3 6.5

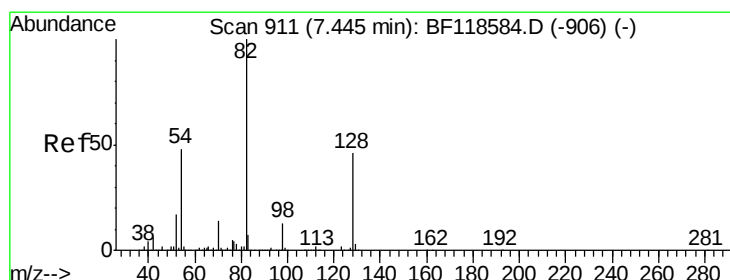
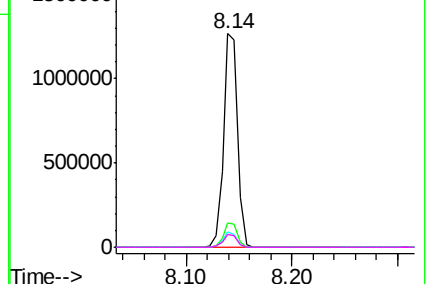
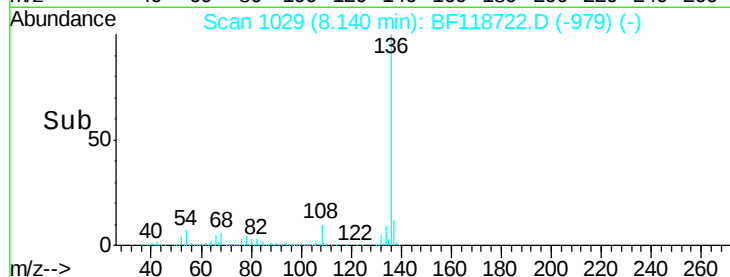


Abundance Ion 136.00 (135.70 to 136.70): E

2000000 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: 30.773 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

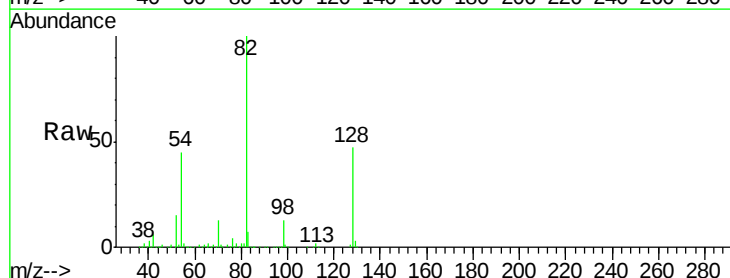
Tgt Ion: 82 Resp: 653031

Ion Ratio Lower Upper

82 100

128 47.4 38.2 57.2

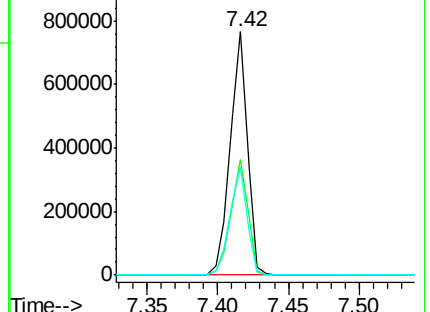
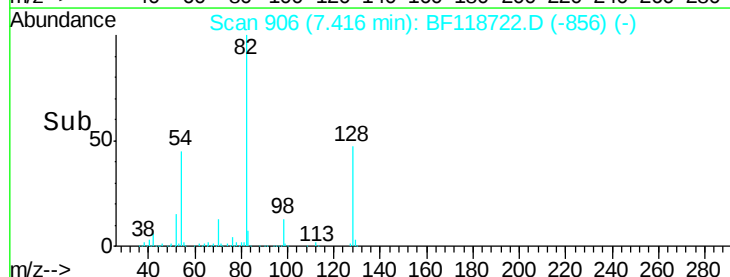
54 44.5 36.1 54.1



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: 16.874 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampled :

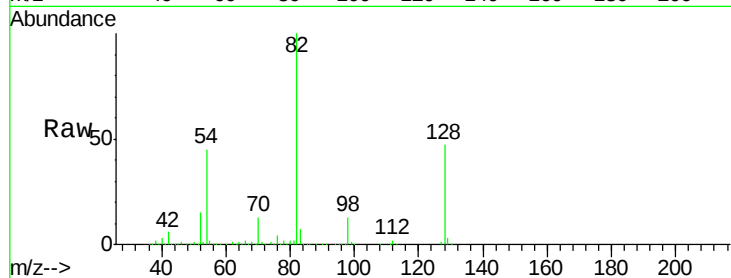
Tot Ion: 82 Resp: 653128

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

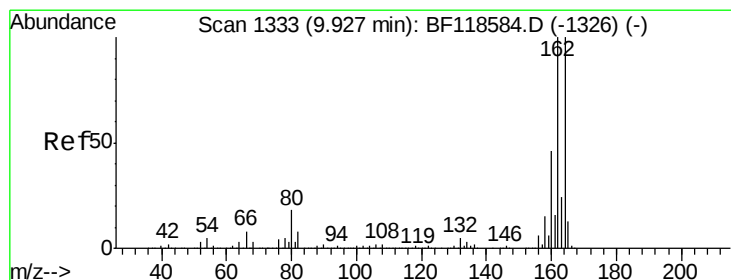
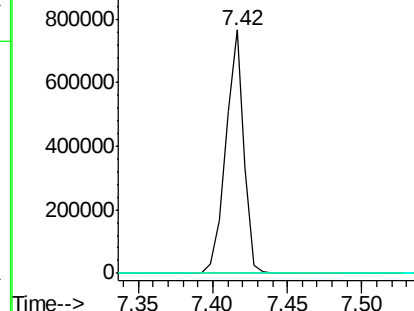
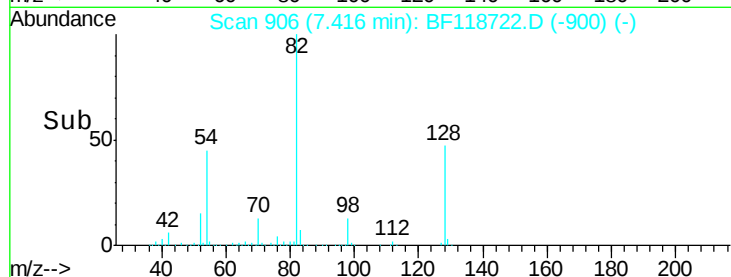
138 0.0 15.8 23.8#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

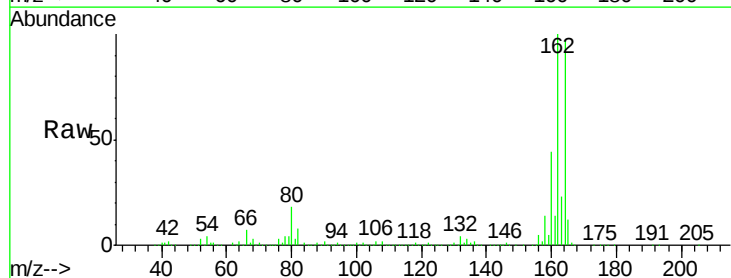
Tgt Ion: 164 Resp: 587420

Ion Ratio Lower Upper

164 100

162 102.7 80.8 121.2

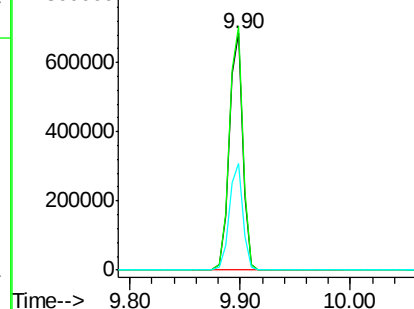
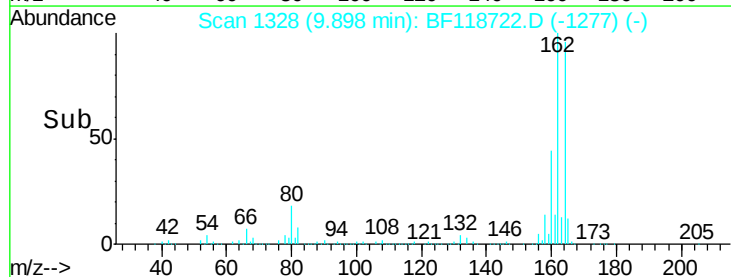
160 45.0 35.4 53.0

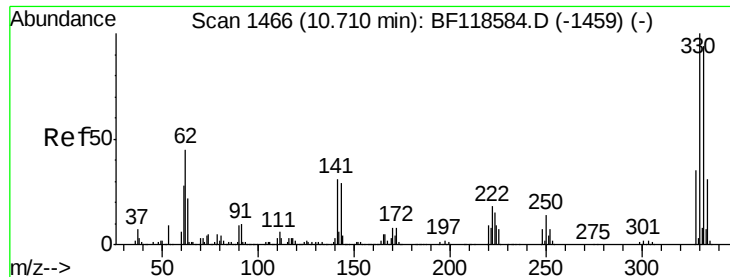


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

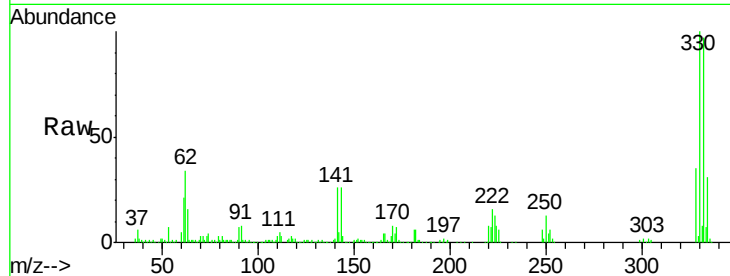




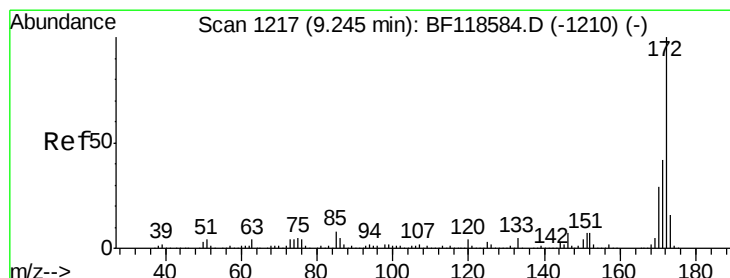
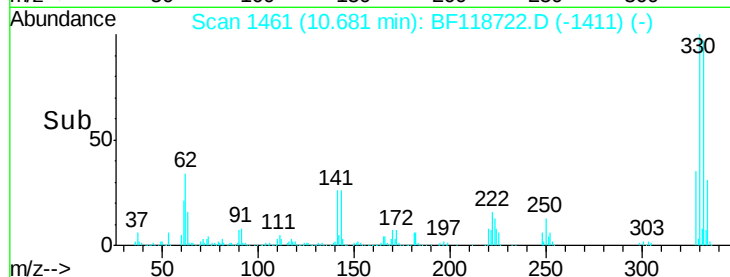
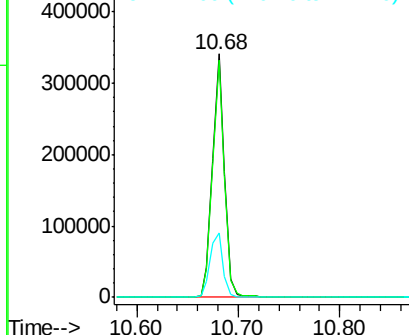
#42
 2,4,6-Tribromophenol
 Concen: 41.566 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282413
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.6 116.4
 141 28.0 22.2 33.2

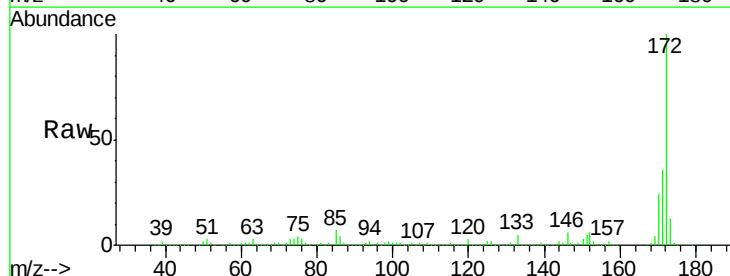


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

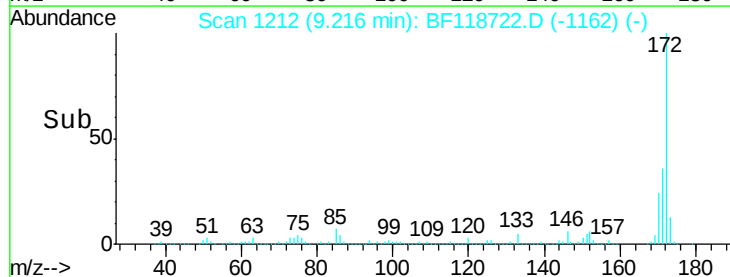
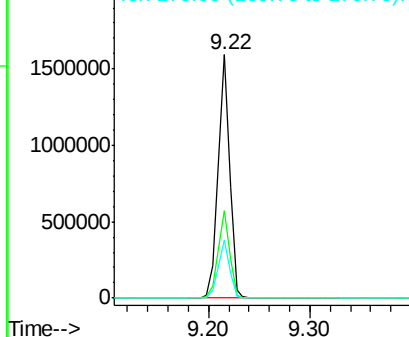


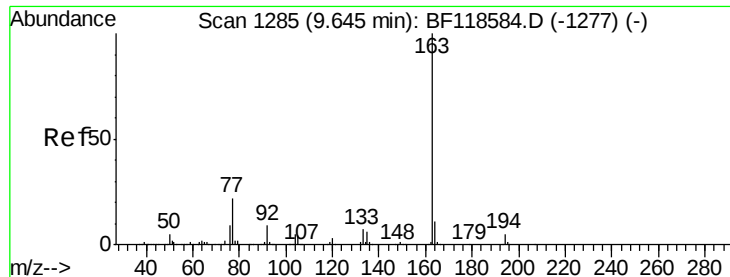
#45
 2-Fluorobiphenyl
 Concen: 35.794 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

Tgt Ion:172 Resp: 1279272
 Ion Ratio Lower Upper
 172 100
 171 36.0 31.0 46.4
 170 23.6 20.7 31.1



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: 3.965 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :
BNA_F
ClientSampleId :

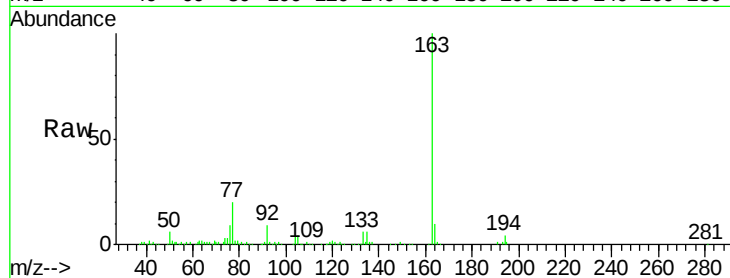
Tot Ion:163 Resp: 151735

Ion Ratio Lower Upper

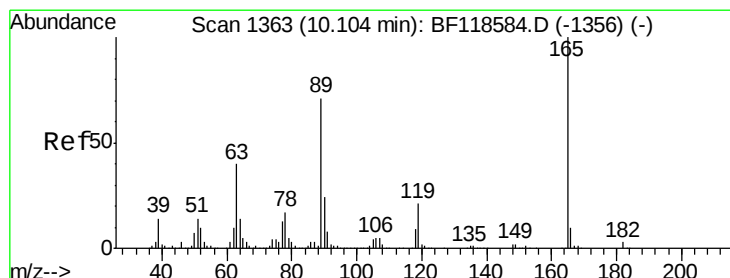
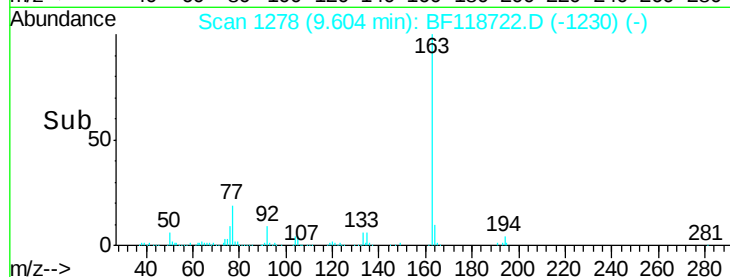
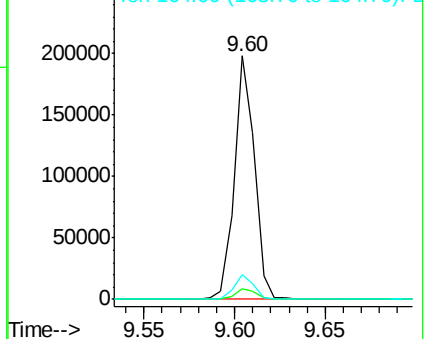
163 100

194 4.2 3.7 5.5

164 10.0 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: 7.367 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.18 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Tgt Ion:165 Resp: 79586

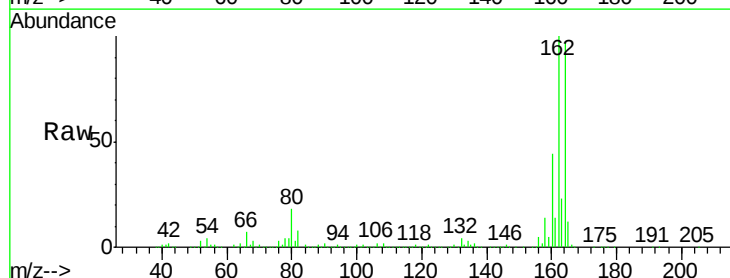
Ion Ratio Lower Upper

165 100

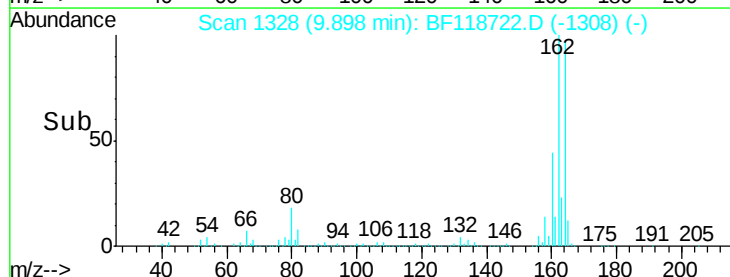
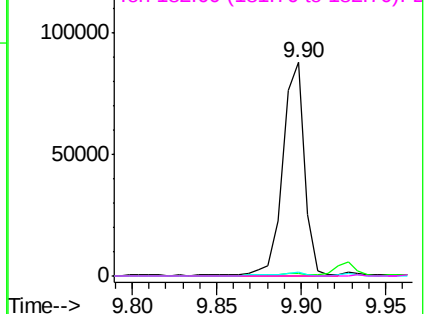
63 1.2 28.5 42.7#

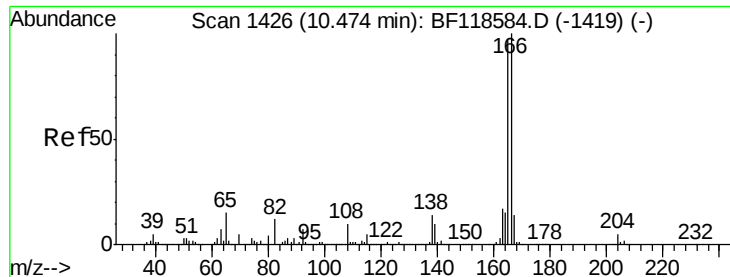
89 1.6 50.4 75.6#

182 0.0 2.3 3.5#



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

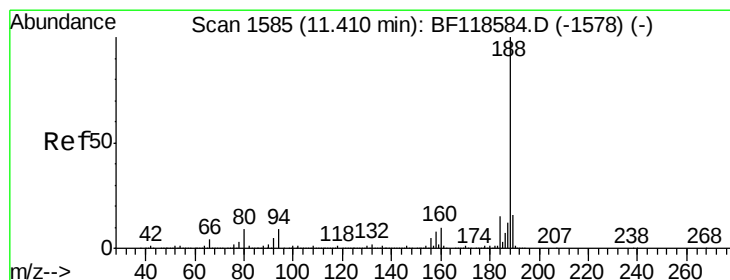
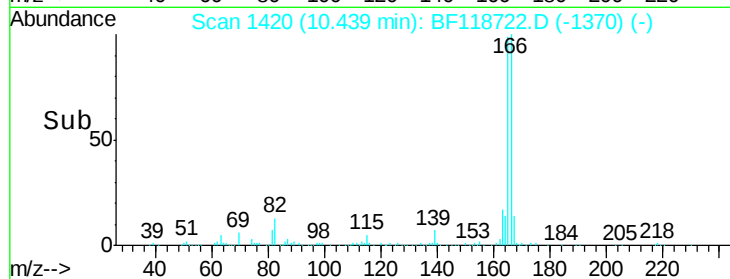
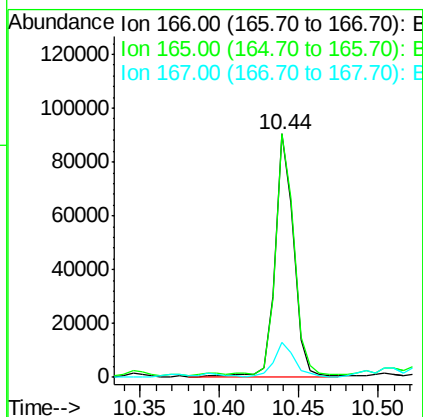
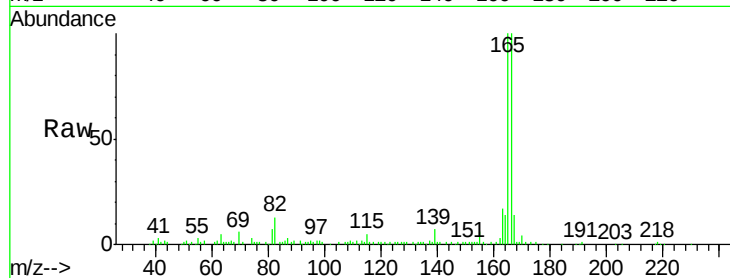




#58
 Fluorene
 Concen: 2.156 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

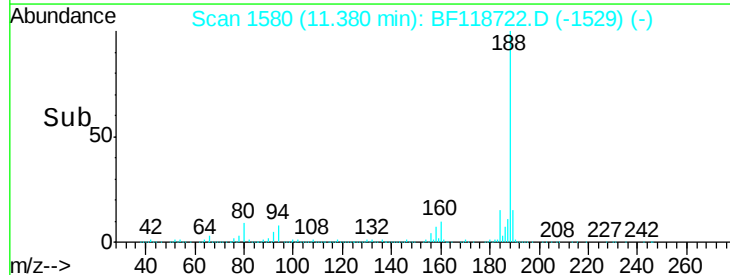
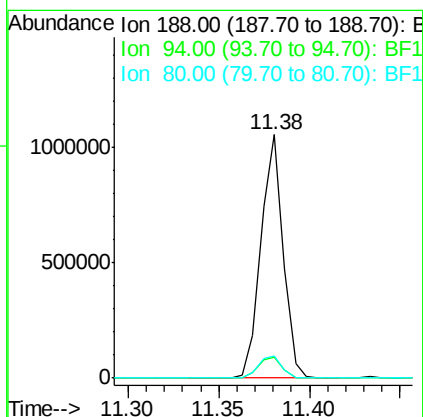
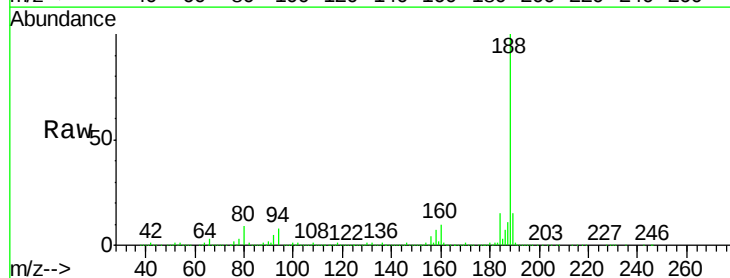
Instrument :
 BNA_F
 ClientSampleId :

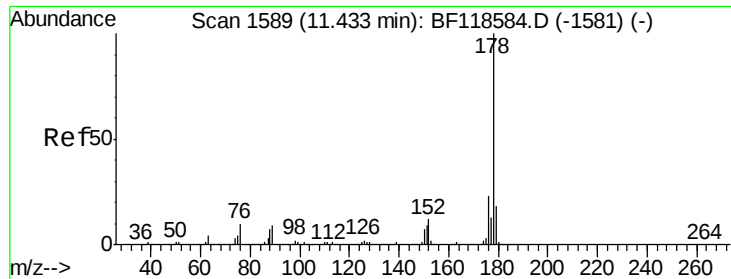
Tot Ion:166 Resp: 75293
 Ion Ratio Lower Upper
 166 100
 165 100.2 78.6 118.0
 167 14.3 11.4 17.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

Tgt Ion:188 Resp: 899869
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.4 11.2
 80 9.1 7.8 11.8





#71

Phenanthrene

Concen: 16.126 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampleId :

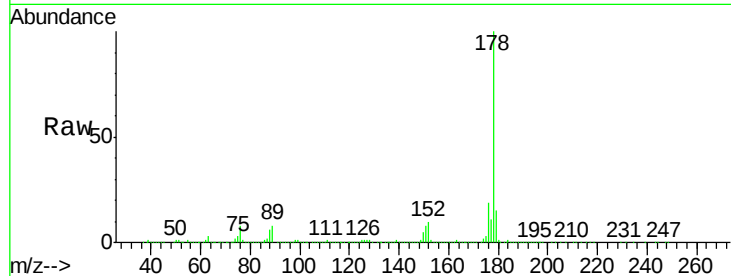
Tot Ion:178 Resp: 700096

Ion Ratio Lower Upper

178 100

176 19.2 16.5 24.7

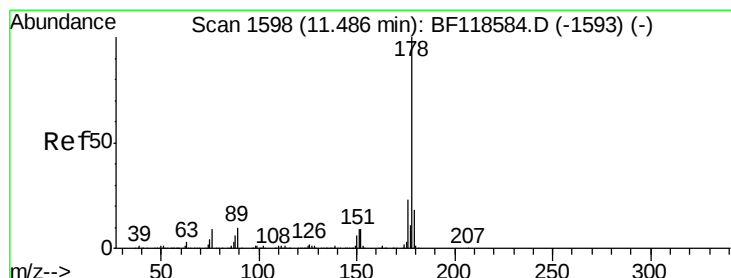
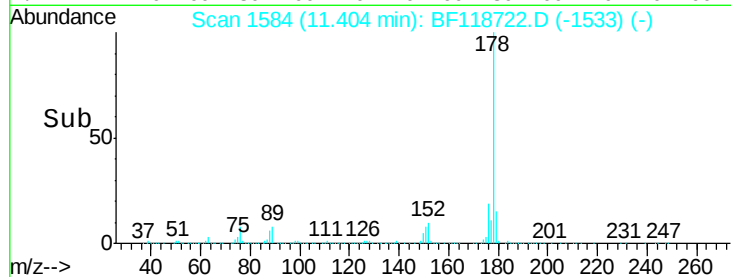
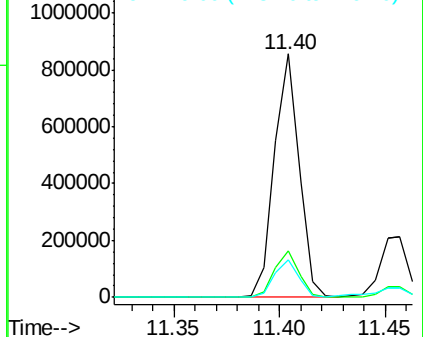
179 15.3 13.3 19.9



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



#72

Anthracene

Concen: 4.511 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

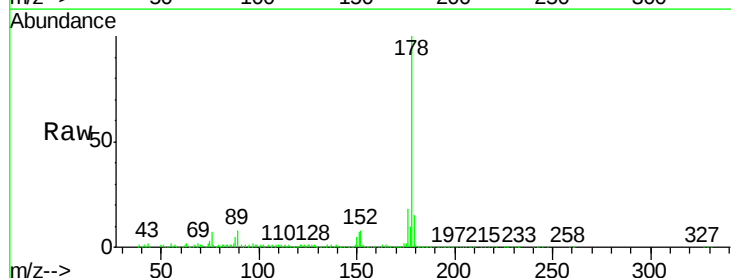
Tgt Ion:178 Resp: 193759

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

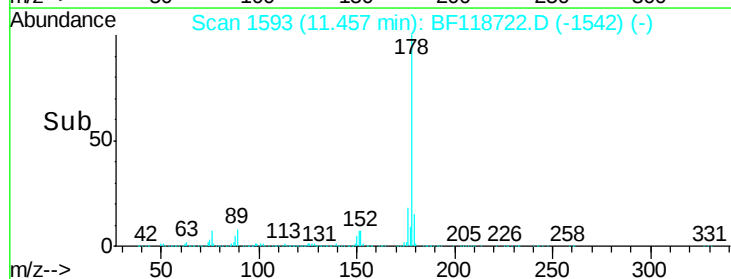
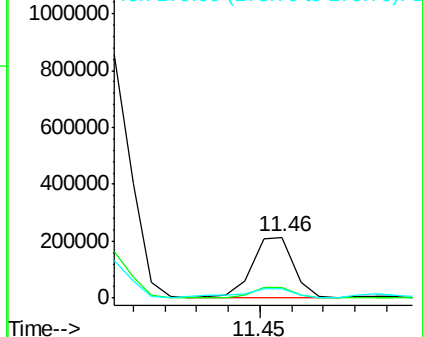
179 15.0 13.3 19.9

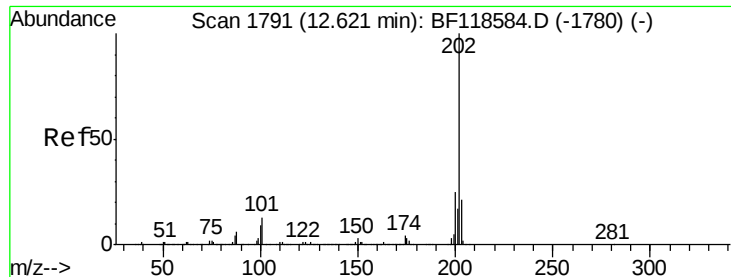


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.089 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampleId :

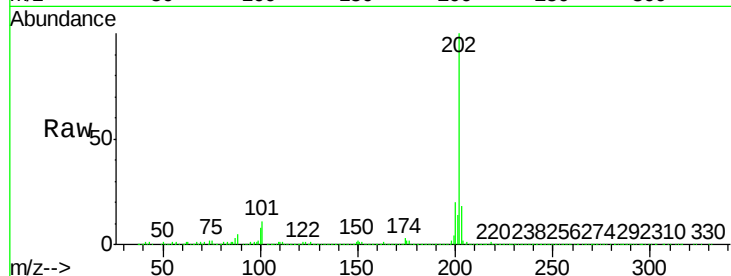
Tot Ion:202 Resp: 736688

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.1

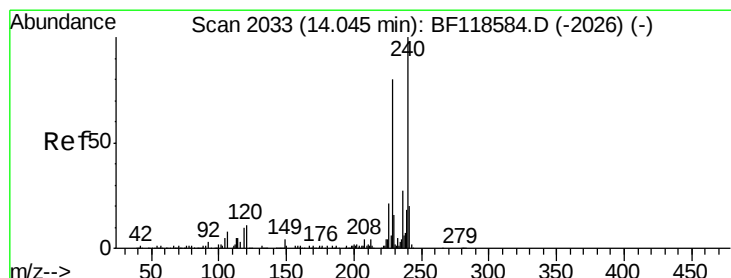
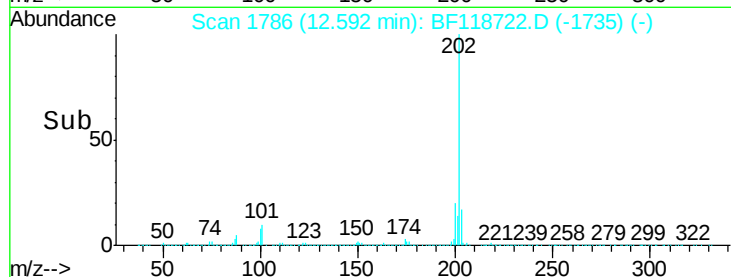
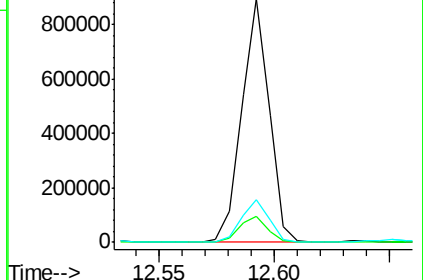
203 17.6 0.0 38.9



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

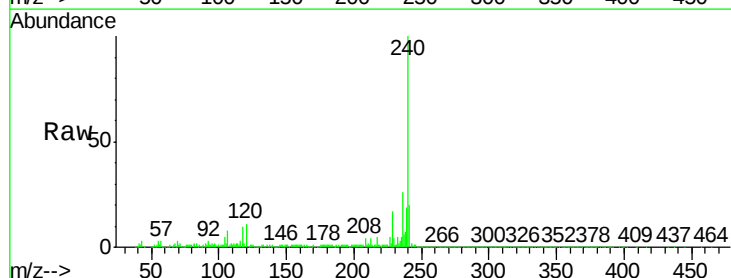
Tgt Ion:240 Resp: 611957

Ion Ratio Lower Upper

240 100

120 11.0 7.6 11.4

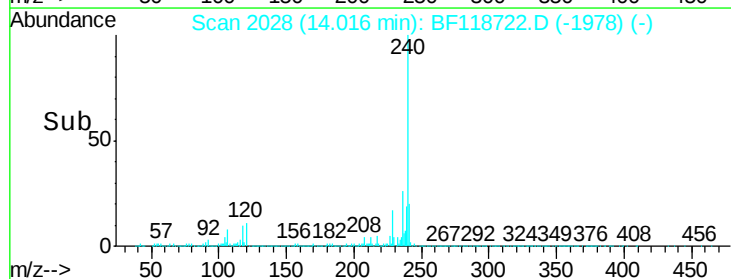
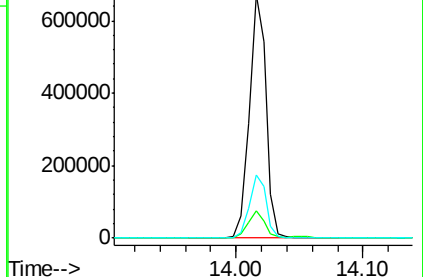
236 25.8 21.0 31.4

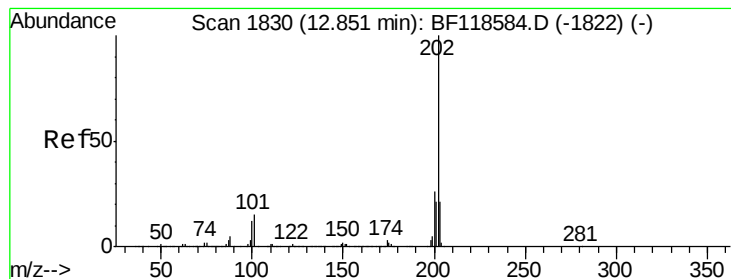


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.189 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampleId :

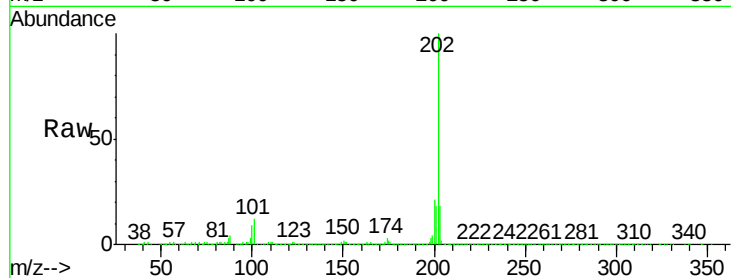
Tot Ion:202 Resp: 672595

Ion Ratio Lower Upper

202 100

200 21.0 18.1 27.1

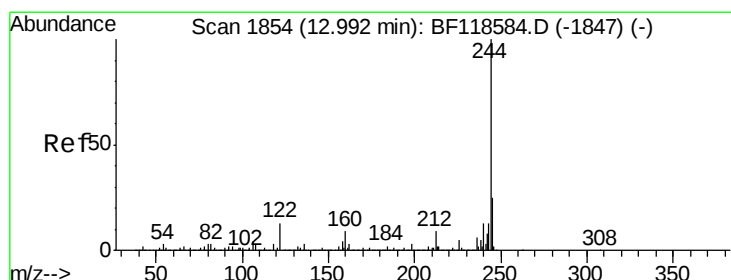
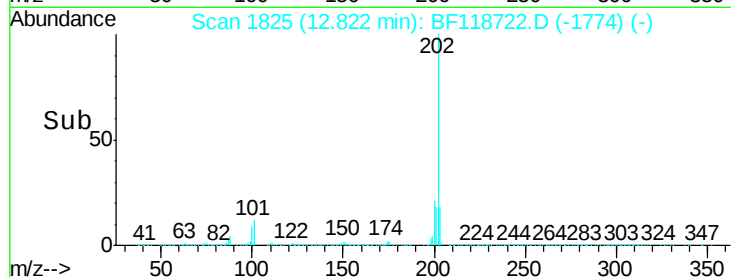
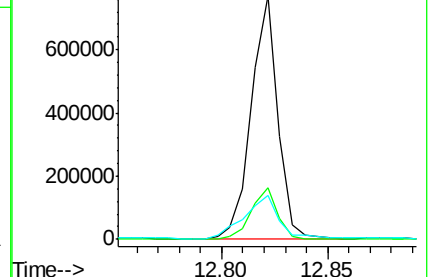
203 18.0 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 38.576 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

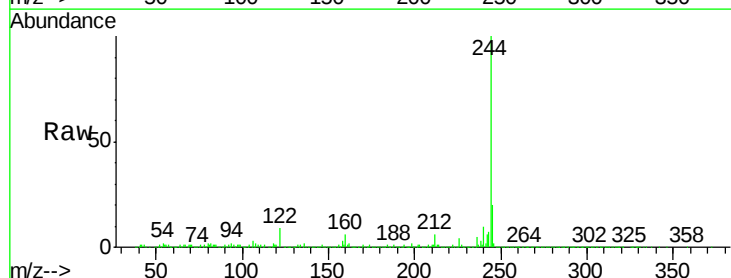
Tgt Ion:244 Resp: 1082340

Ion Ratio Lower Upper

244 100

212 6.2 6.3 9.5#

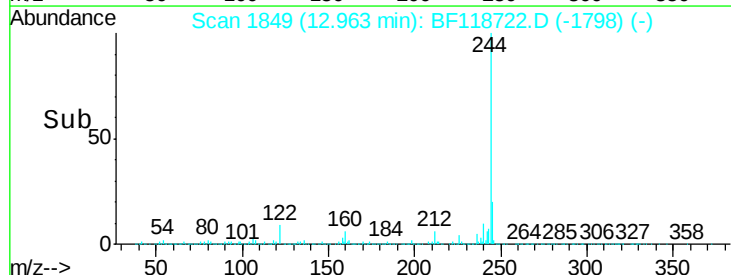
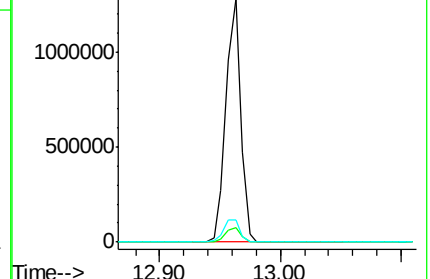
122 8.9 9.2 13.8#

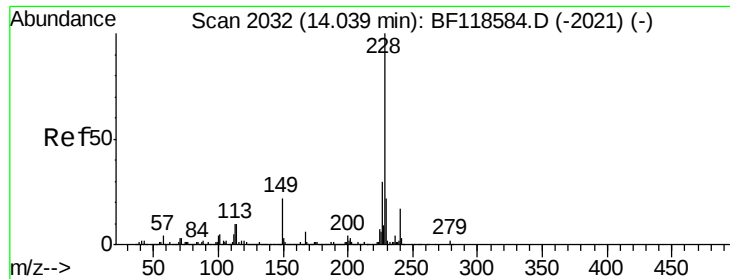


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

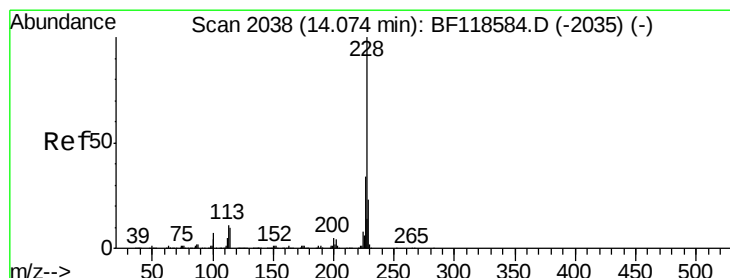
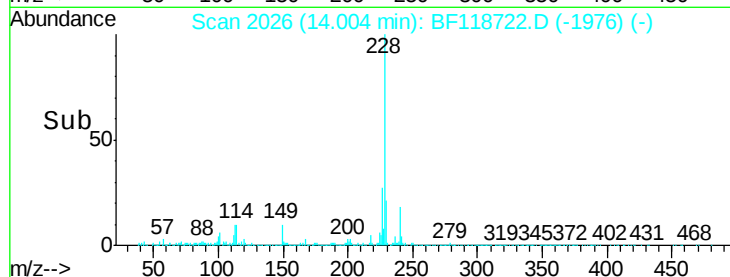
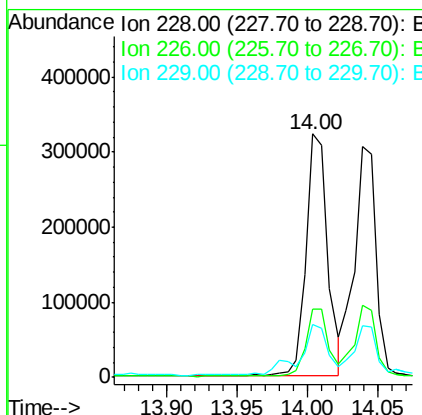
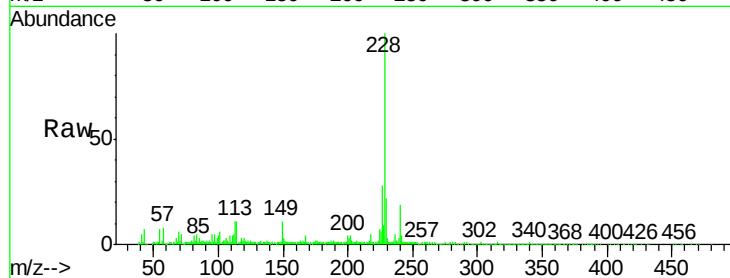




#81
Benzo(a)anthracene
Concen: 9.343 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

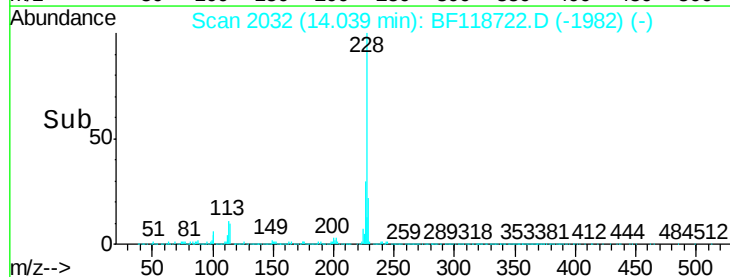
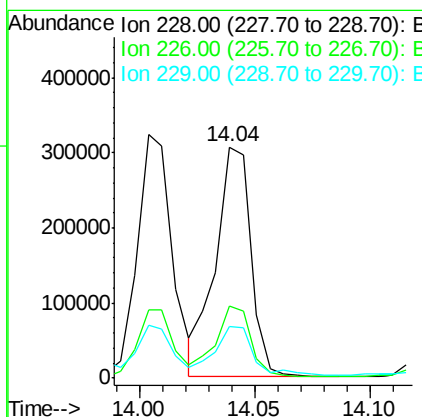
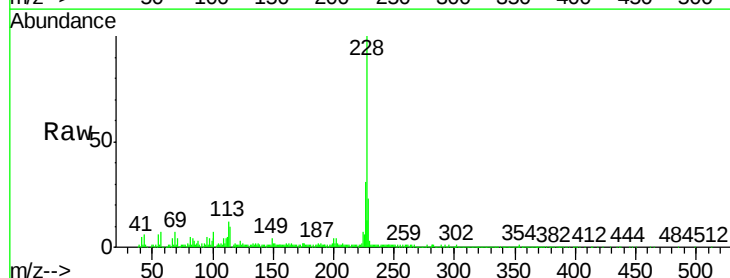
Instrument :
BNA_F
ClientSampleId :

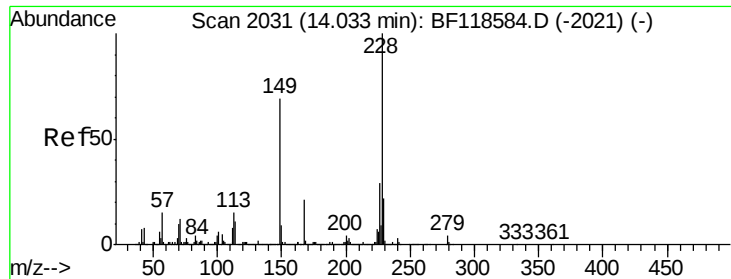
Tot Ion:228 Resp: 343941
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 21.5 16.6 25.0



#83
Chrysene
Concen: 9.253 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

Tgt Ion:228 Resp: 326471
Ion Ratio Lower Upper
228 100
226 31.0 25.6 38.4
229 22.6 17.1 25.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.054 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

Instrument :

BNA_F

ClientSampleId :

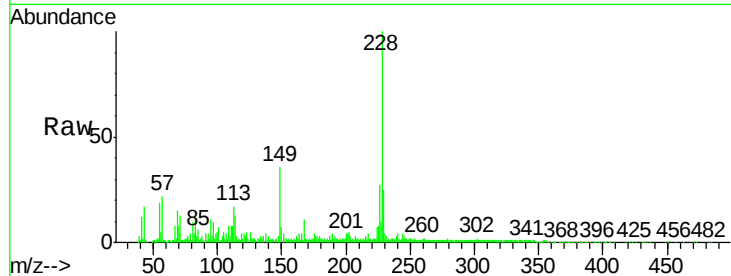
Tot Ion:149 Resp: 42666

Ion Ratio Lower Upper

149 100

167 30.5 23.6 35.4

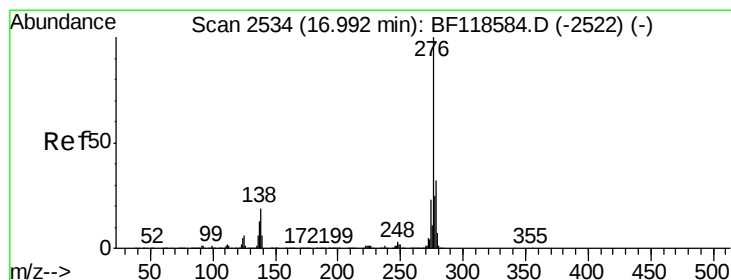
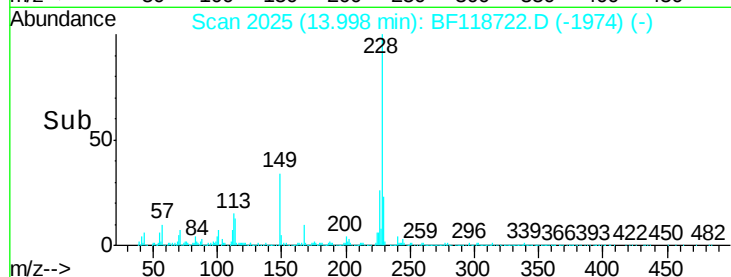
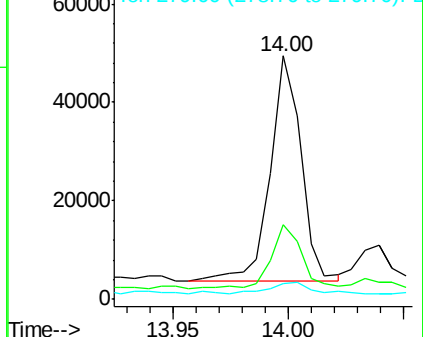
279 6.4 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.226 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BF118722.D

Acq: 27 Jan 2020 16:41

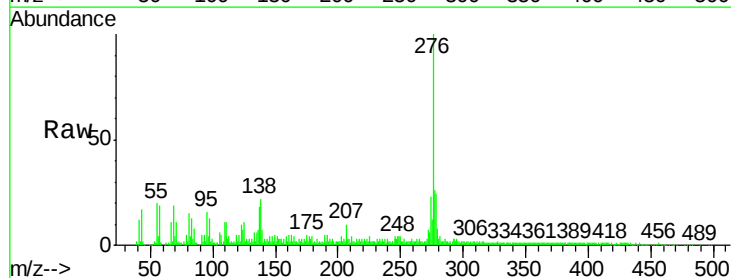
Tgt Ion:276 Resp: 190853

Ion Ratio Lower Upper

276 100

138 19.5 18.2 27.4

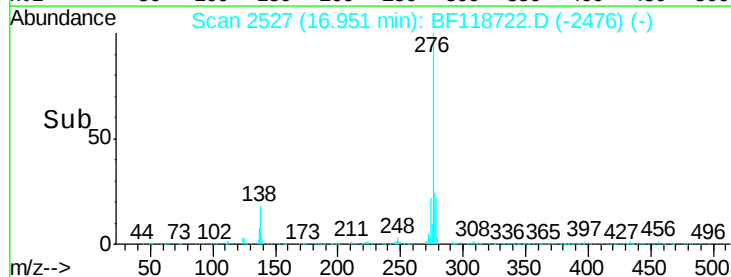
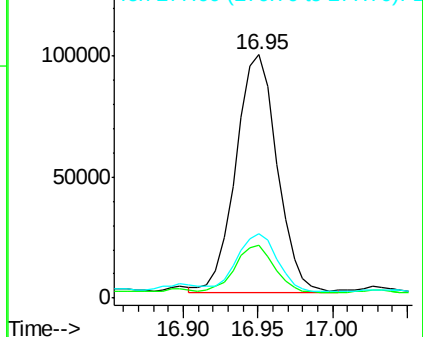
277 23.1 20.4 30.6

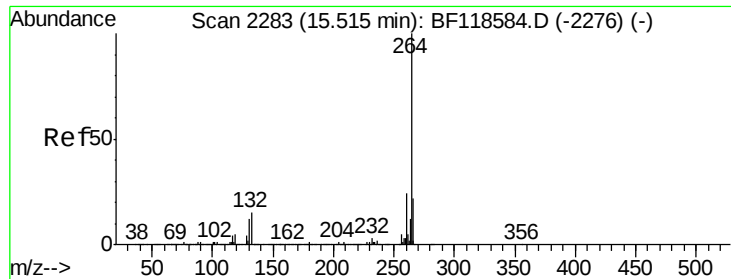


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

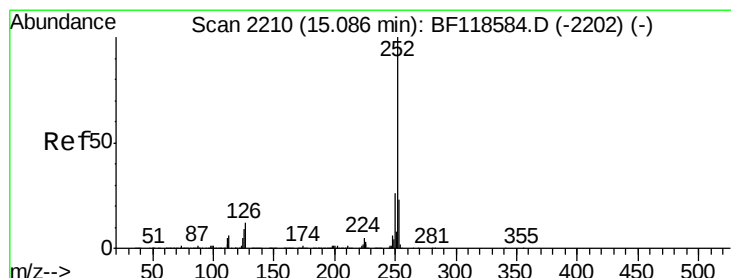
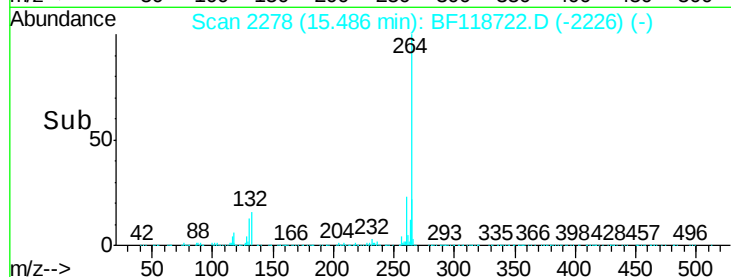
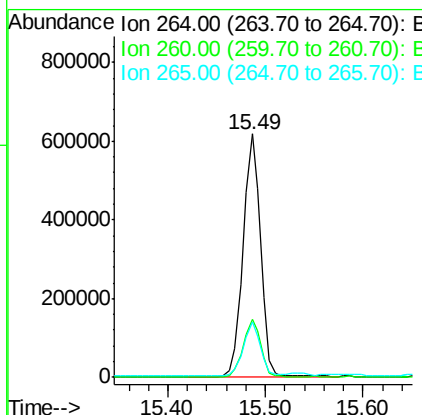
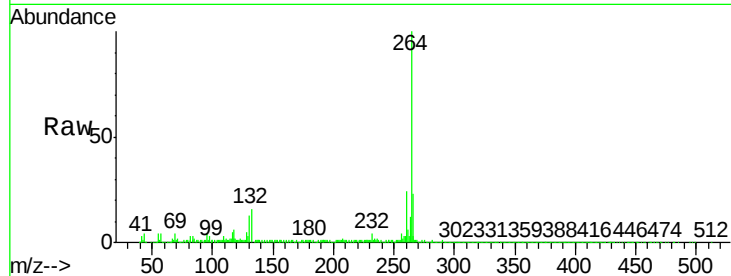




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

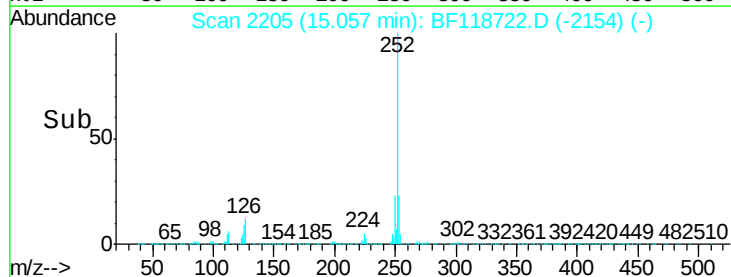
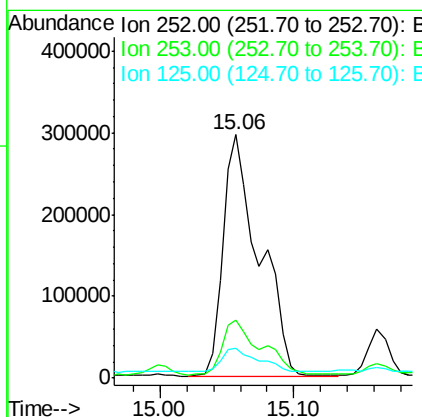
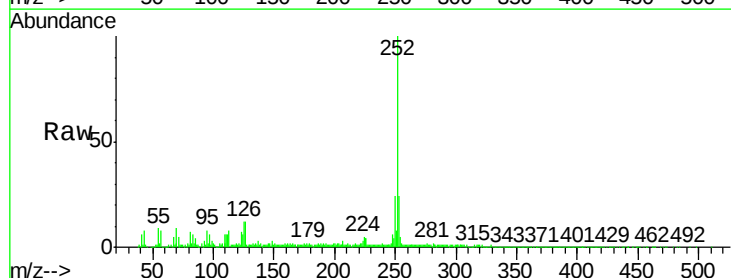
Instrument :
 BNA_F
 ClientSampleId :

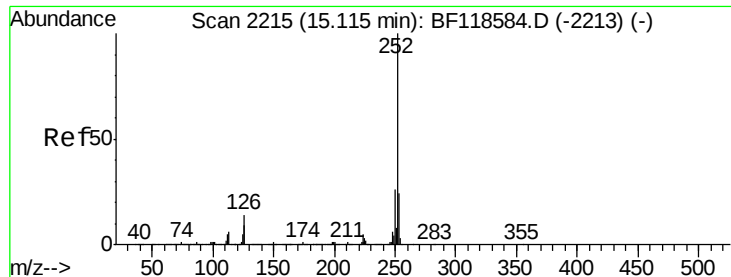
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.8	17.0	25.6



#88
 Benzo(b)fluoranthene
 Concen: 11.684 ng
 RT: 15.06 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	12.3	7.7	11.5

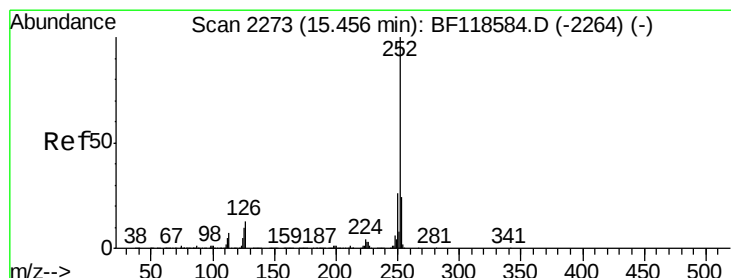
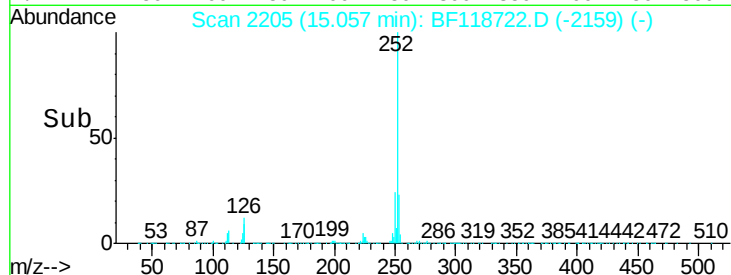
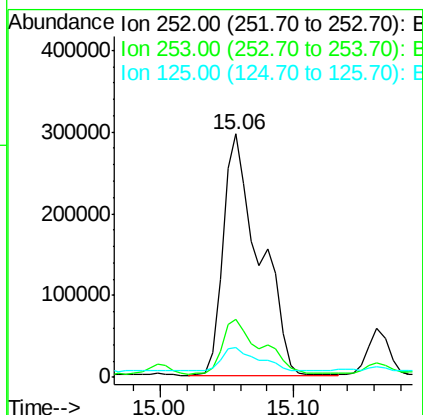
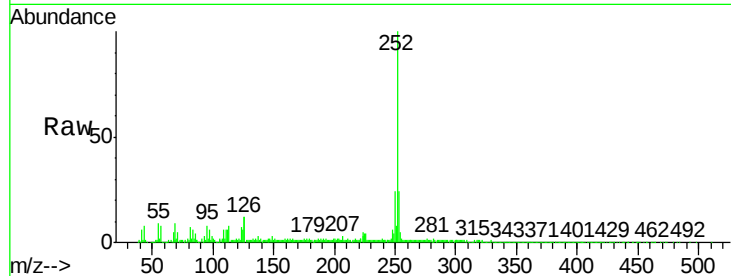




#89
Benzo(k)fluoranthene
Concen: 12.612 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

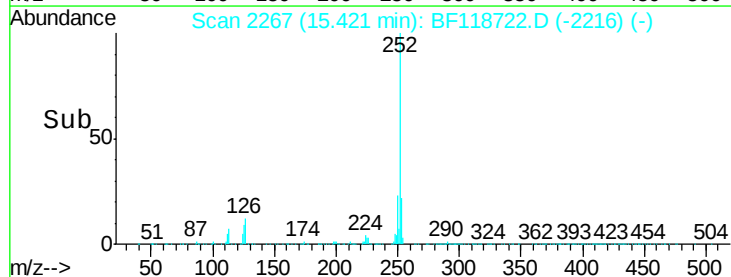
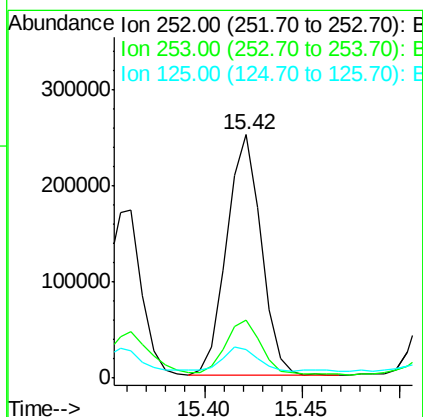
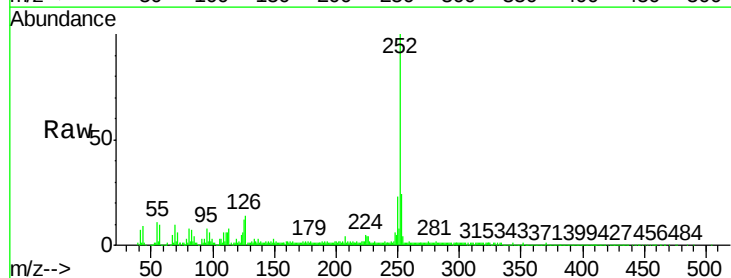
Instrument :
BNA_F
ClientSampleId :

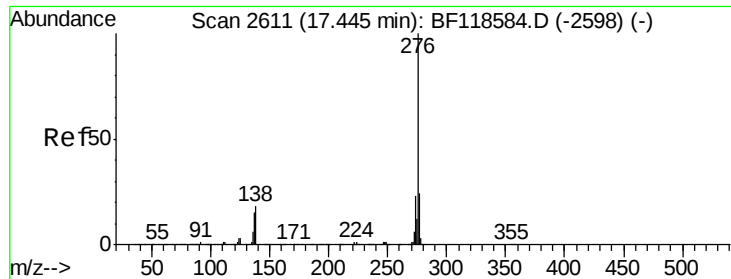
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	12.3	8.1	12.1



#90
Benzo(a)pyrene
Concen: 7.449 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF118722.D
Acq: 27 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	11.9	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 4.959 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: BF118722.D
 Acq: 27 Jan 2020 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.6
138	20.2	15.4	23.2

