

Data File : BF118466.D
Acq On : 3 Jan 2020 19:37
Operator : JU
Sample : K6474-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Jan 04 00:06:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	71467	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	260527	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	141508	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	277463	20.00	ng	0.00
76) Chrysene-d12	14.04	240	199694	20.00	ng	0.00
87) Perylene-d12	15.53	264	177122	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	335253	80.08	ng	0.00
7) Phenol-d6	6.48	99	441779	85.06	ng	0.00
23) Nitrobenzene-d5	7.41	82	267264	58.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	151151	86.49	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	503399	54.30	ng	-0.01
79) Terphenyl-d14	12.97	244	652348	54.20	ng	-0.01

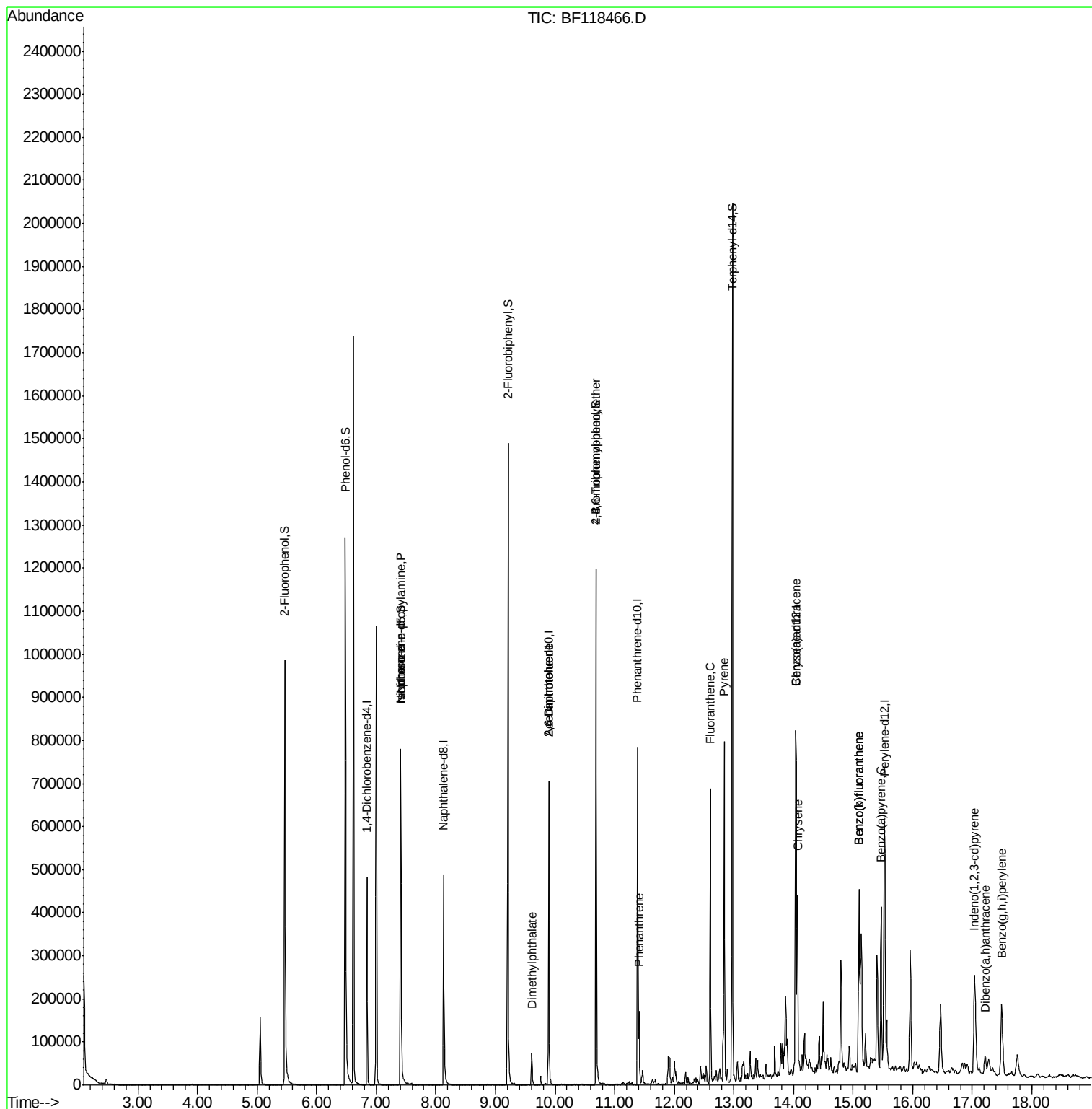
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	36386	11.372	ng	# 81
25) Isophorone	7.41	82	267261	33.666	ng	# 62
50) Dimethylphthalate	9.61	163	36012	3.390	ng	99
51) 2,6-Dinitrotoluene	9.89	165	18110	7.908	ng	# 27
57) 2,4-Dinitrotoluene	9.89	165	18110	5.918	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	9146	2.817	ng	# 1
71) Phenanthrene	11.41	178	60970	4.031	ng	99
75) Fluoranthene	12.61	202	275670	18.059	ng	99
78) Pyrene	12.84	202	305690	18.746	ng	99
81) Benzo(a)anthracene	14.03	228	169856	12.152	ng	97
83) Chrysene	14.07	228	144200	10.774	ng	99
86) Indeno(1,2,3-cd)pyrene	17.04	276	143085	12.547	ng	97
88) Benzo(b)fluoranthene	15.10	252	299189	25.447	ng	99
89) Benzo(k)fluoranthene	15.10	252	299189	26.502	ng	97
90) Benzo(a)pyrene	15.47	252	175389	16.934	ng	95
91) Dibenzo(a,h)anthracene	17.22	278	26266	2.922	ng	93
92) Benzo(g,h,i)perylene	17.49	276	148341	17.086	ng	100

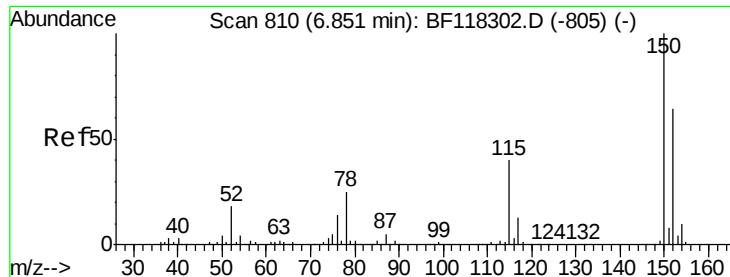
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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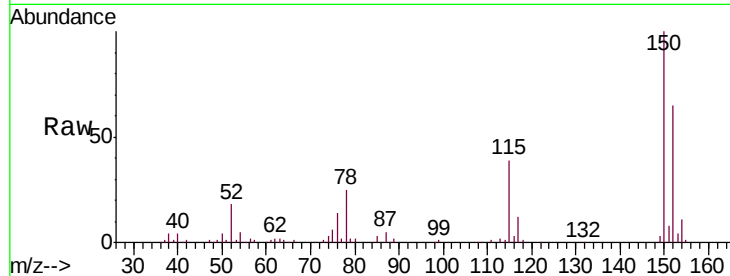


#1

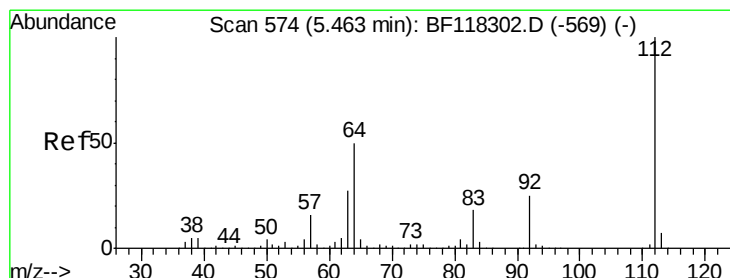
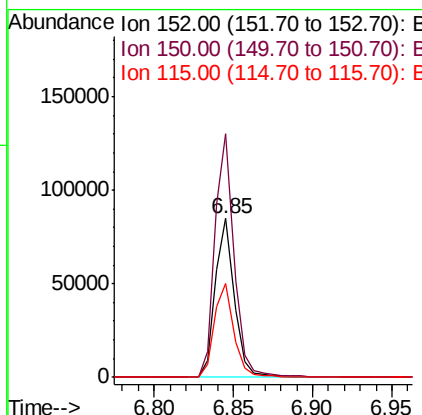
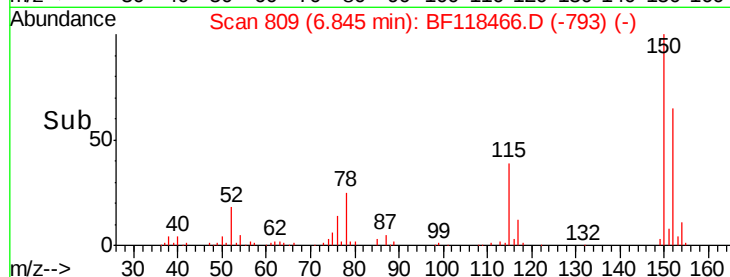
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tgt Ion:152 Resp: 71467
 Ion Ratio Lower Upper
 152 100
 150 153.3 125.4 188.2
 115 59.3 50.2 75.4



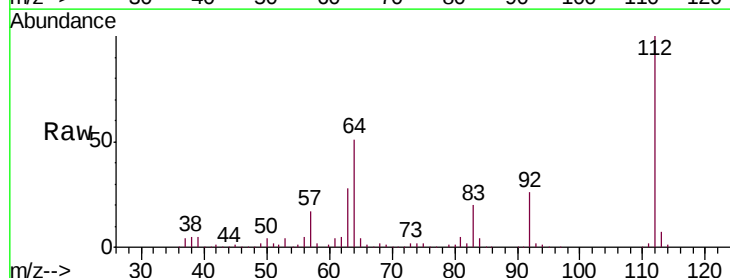
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



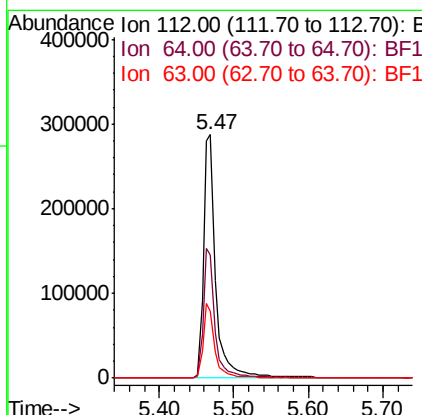
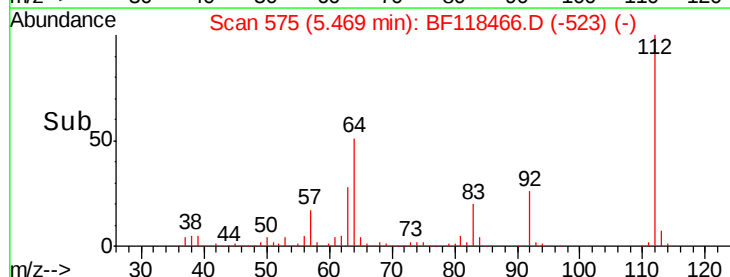
#5

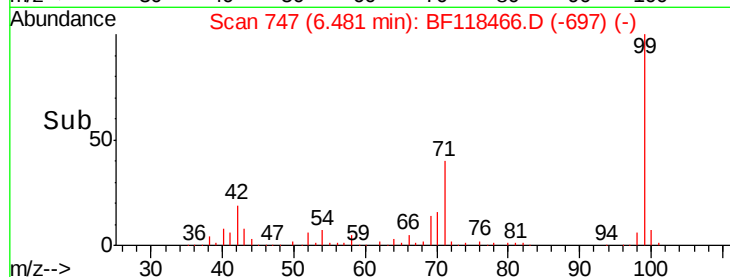
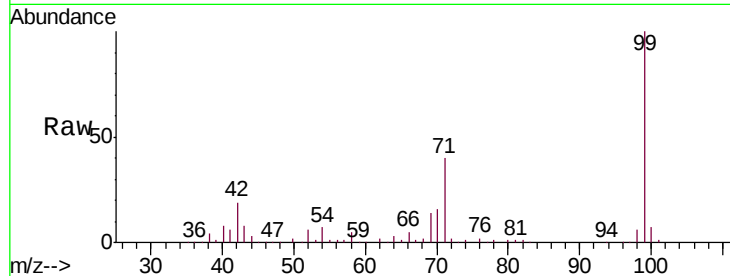
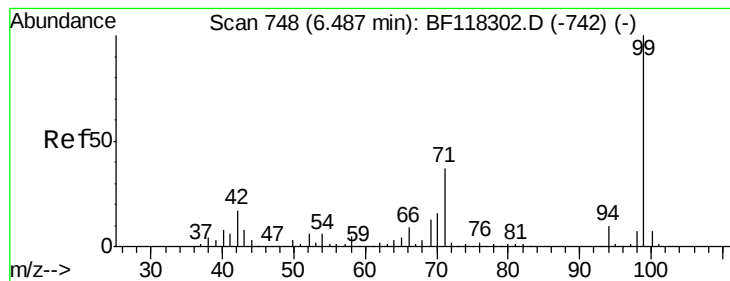
2-Fluorophenol
 Concen: 80.075 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion:112 Resp: 335253
 Ion Ratio Lower Upper
 112 100
 64 50.5 39.7 59.5
 63 27.6 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: 85.060 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

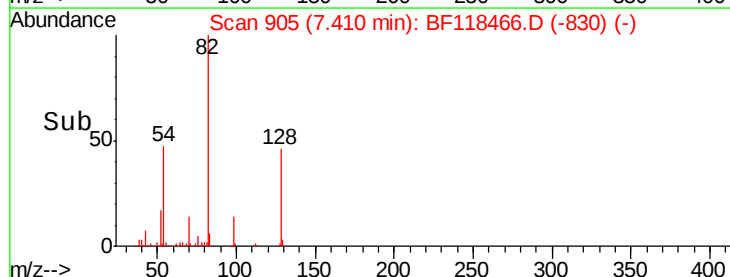
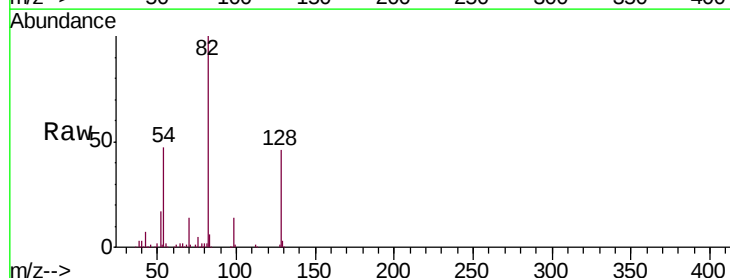
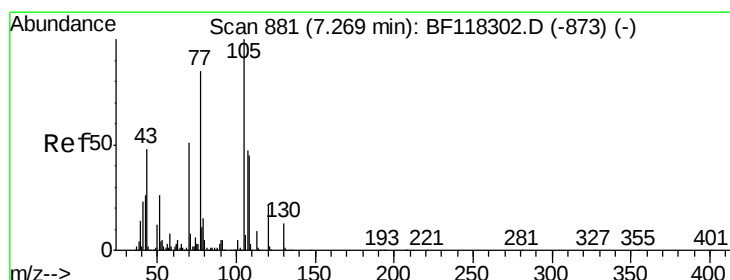
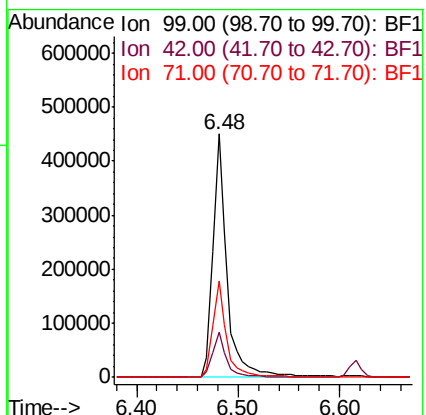
Tgt Ion: 99 Resp: 441779

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

71 39.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.372 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Tgt Ion: 70 Resp: 36386

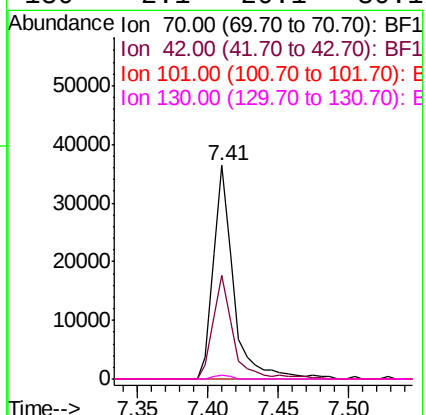
Ion Ratio Lower Upper

70 100

42 48.3 41.1 61.7

101 0.0 8.3 12.5#

130 2.1 20.1 30.1#

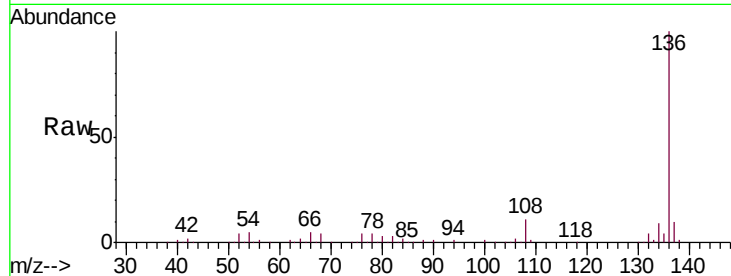




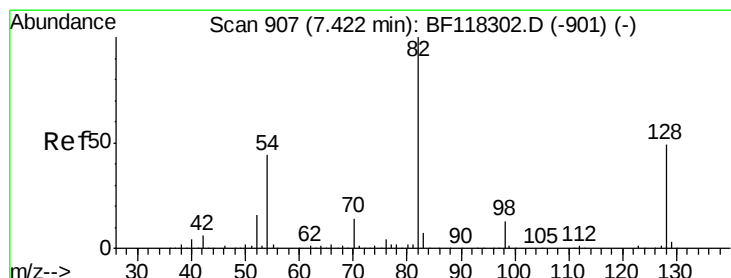
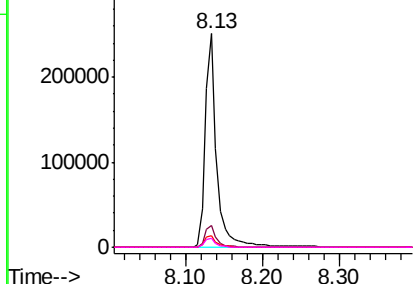
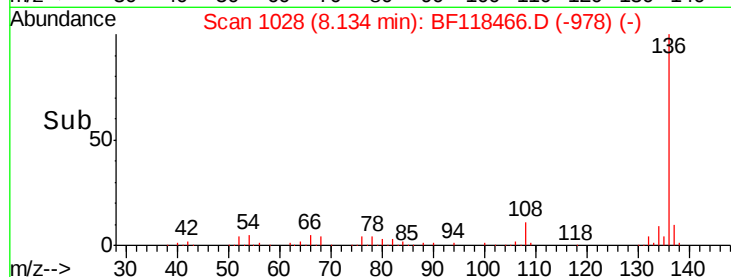
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

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SB-01

Tgt Ion:	136	Resp:	260527
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.5	4.2	6.4
68	4.2	3.5	5.3

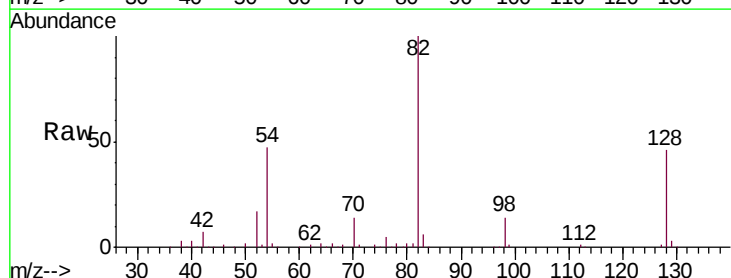


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

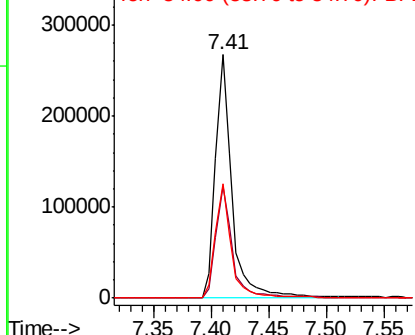
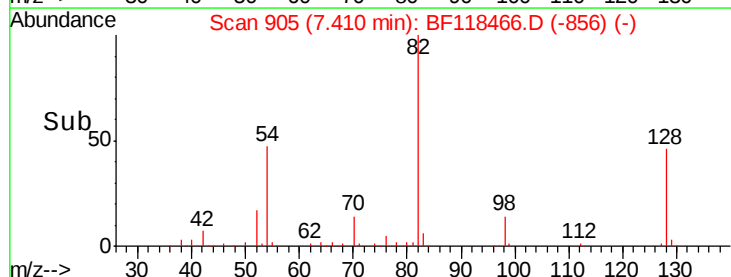


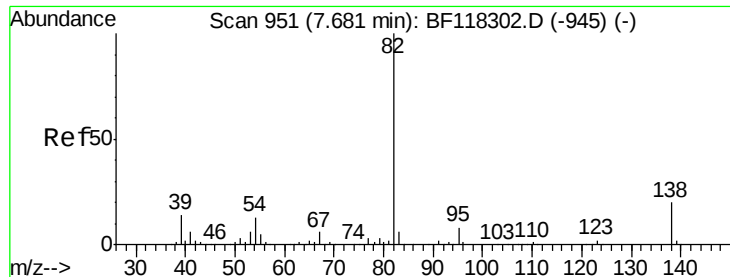
#23
Nitrobenzene-d5
Concen: 58.674 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion:	82	Resp:	267264
Ion	Ratio	Lower	Upper
82	100		
128	45.7	39.6	59.4
54	46.9	34.9	52.3



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: 33.666 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

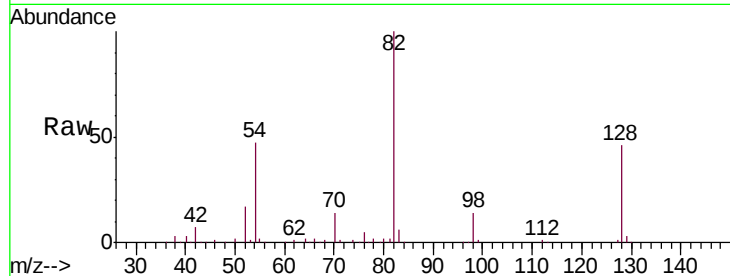
Tgt Ion: 82 Resp: 267261

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

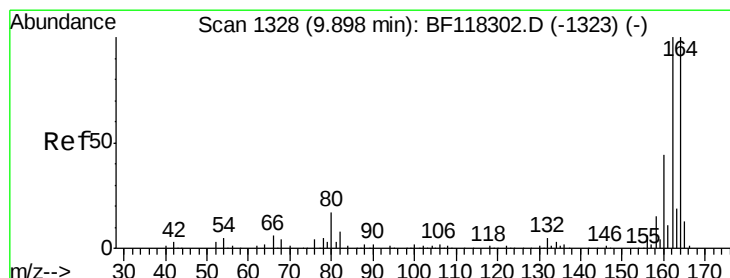
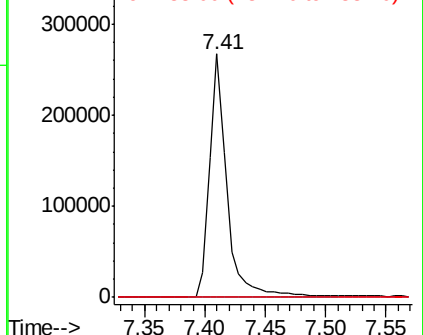
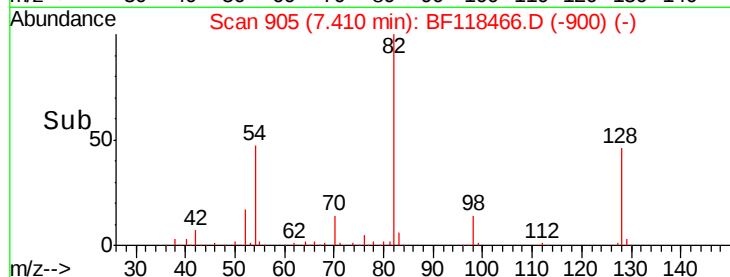
138 0.0 16.2 24.2#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

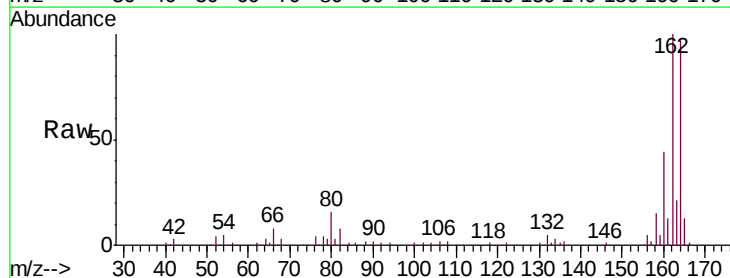
Tgt Ion: 164 Resp: 141508

Ion Ratio Lower Upper

164 100

162 102.6 80.0 120.0

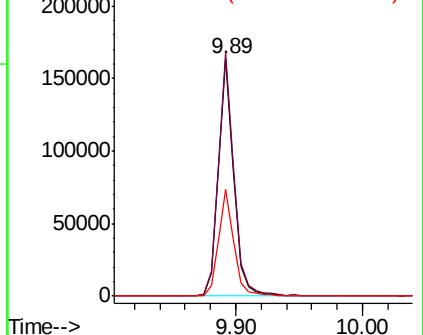
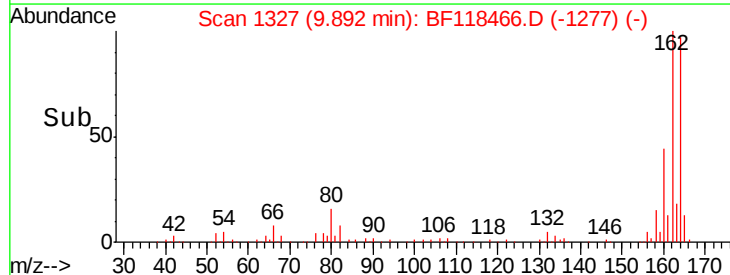
160 44.9 34.8 52.2

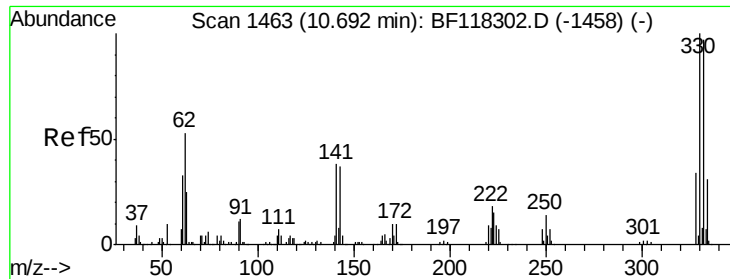


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

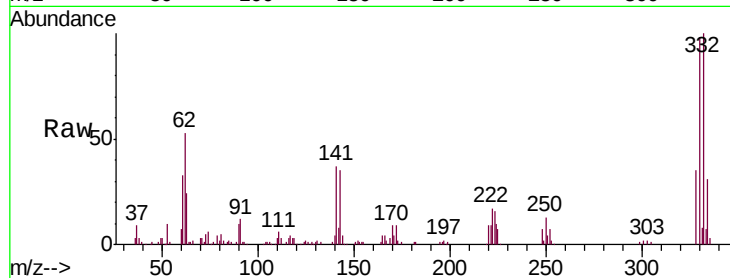




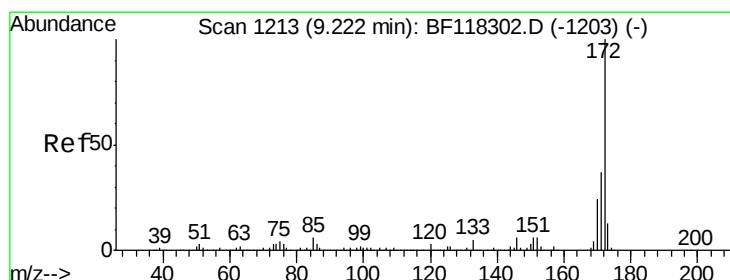
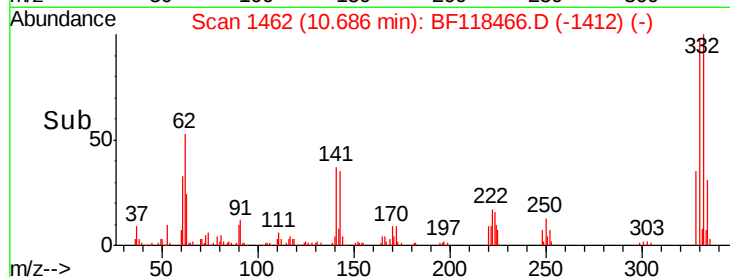
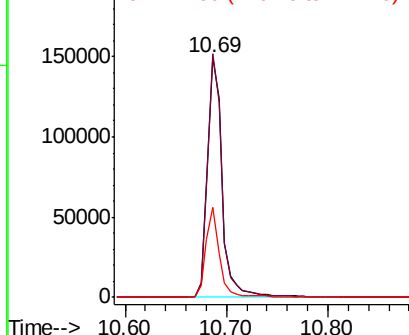
#42
 2,4,6-Tribromophenol
 Concen: 86.495 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tgt Ion:330 Resp: 151151
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.6 114.8
 141 34.6 26.0 39.0

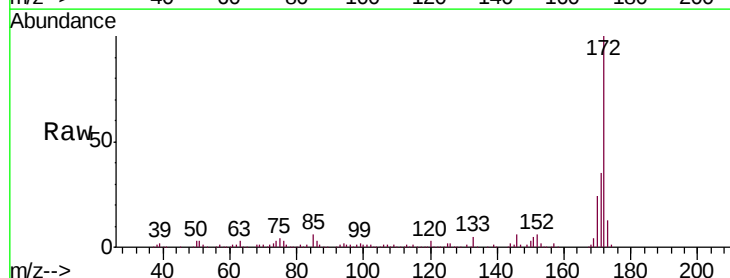


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

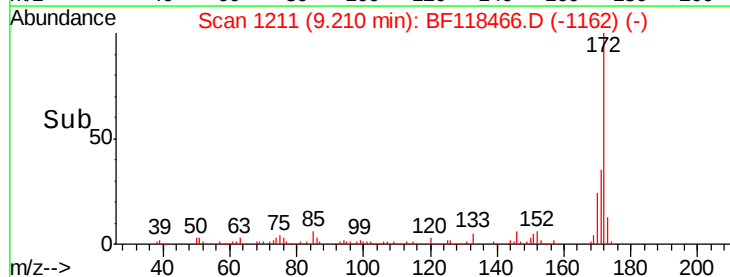
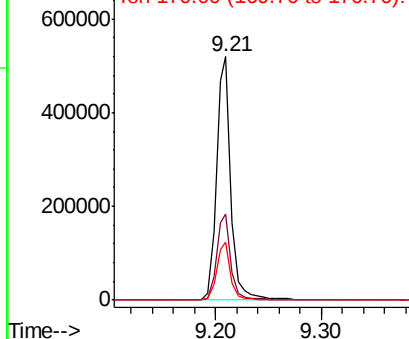


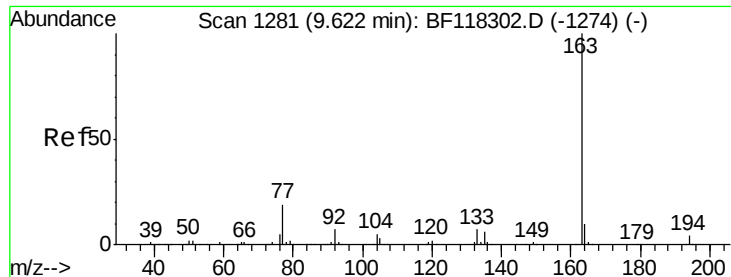
#45
 2-Fluorobiphenyl
 Concen: 54.303 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion:172 Resp: 503399
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.3 43.9
 170 23.7 19.2 28.8



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

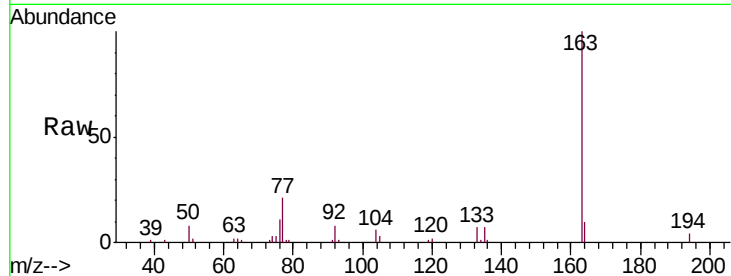




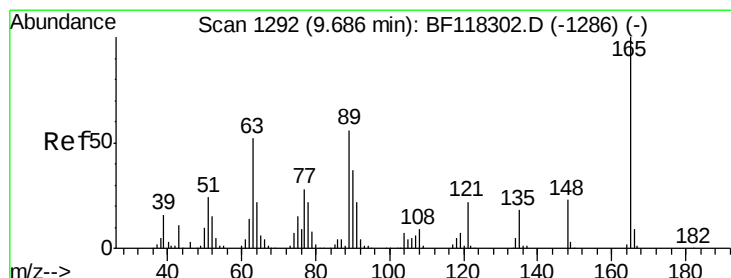
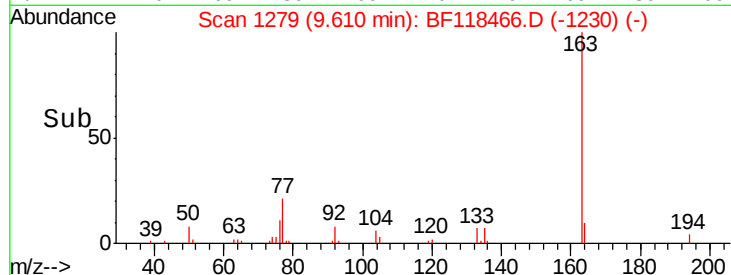
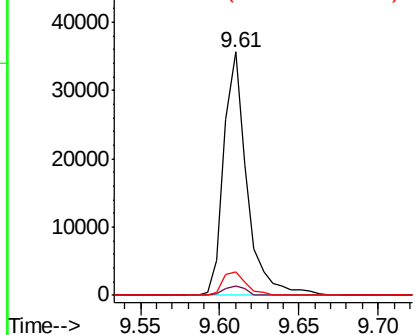
#50
Dimethylphthalate
Concen: 3.390 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

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SB-01

Tgt Ion:163 Resp: 36012
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.5 7.9 11.9

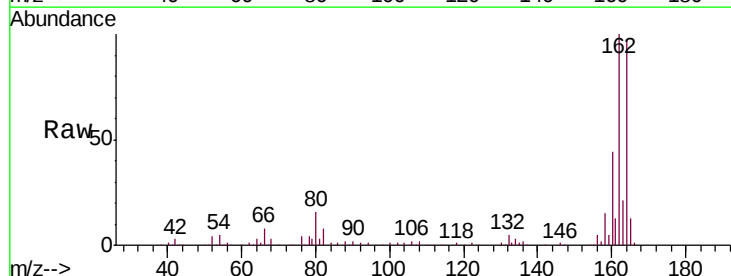


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

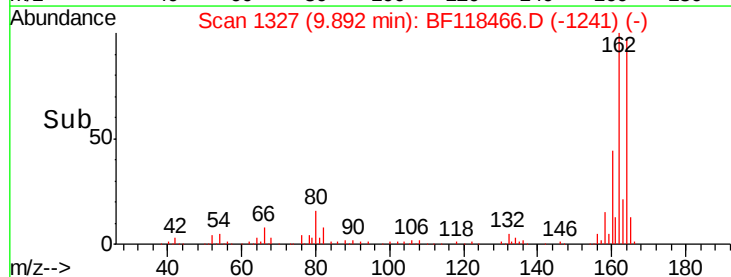
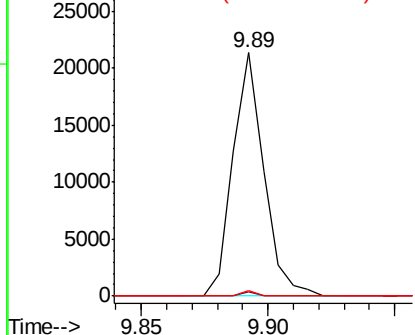


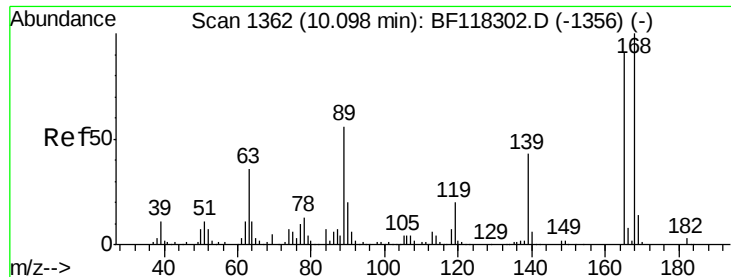
#51
2,6-Dinitrotoluene
Concen: 7.908 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion:165 Resp: 18110
Ion Ratio Lower Upper
165 100
63 1.5 42.2 63.4#
89 2.4 44.4 66.6#



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

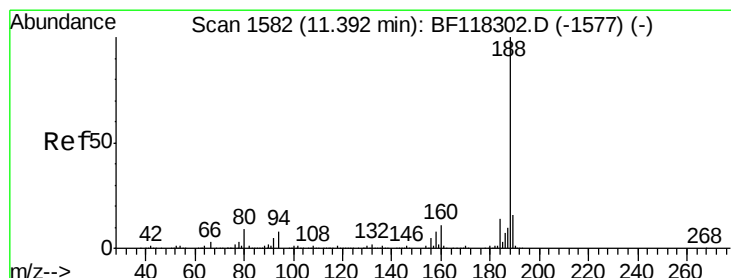
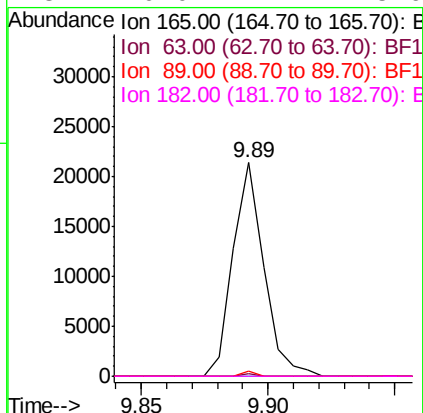
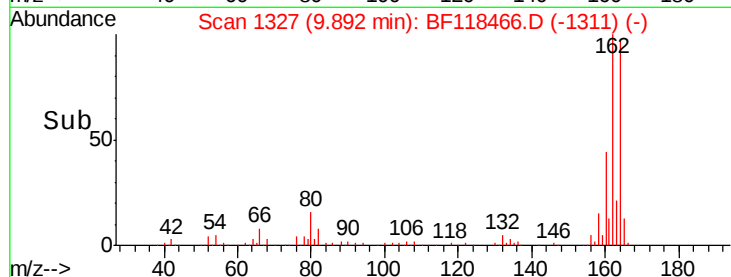
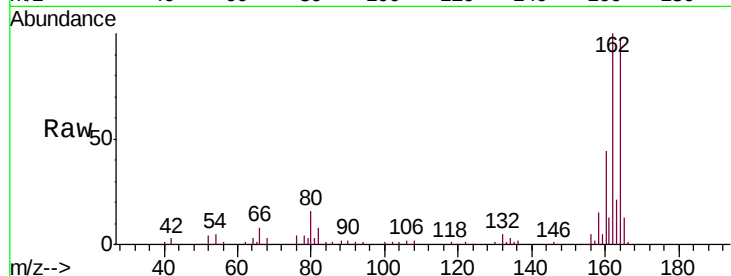




#57
 2,4-Dinitrotoluene
 Concen: 5.918 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

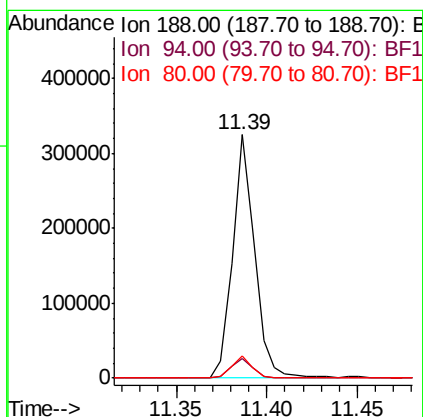
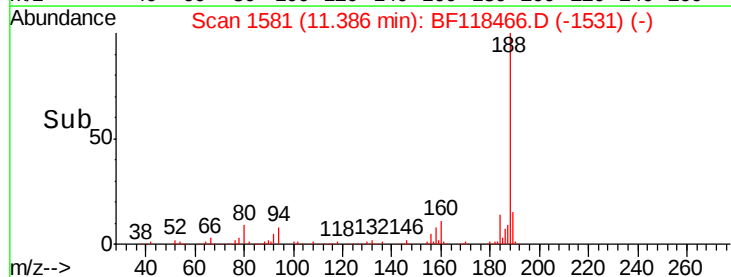
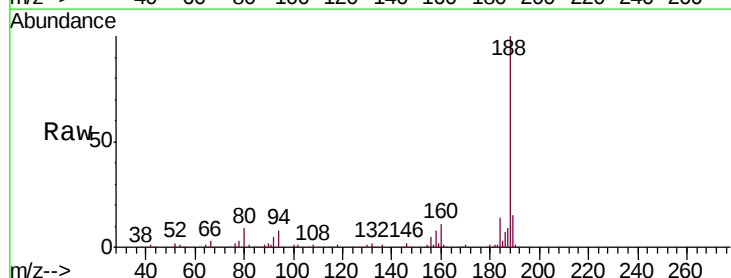
Instrument :
 BNA_F
 ClientSampleId :
 SB-01

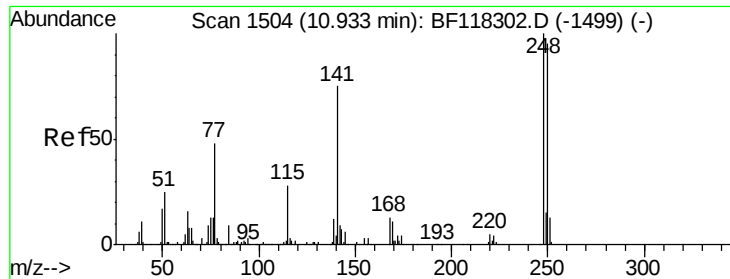
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.0	48.0#
89	2.4	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.1	7.2	10.8

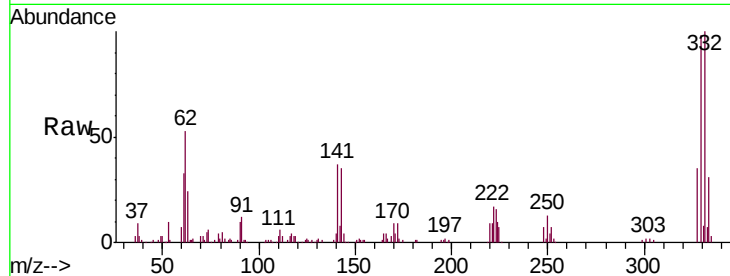




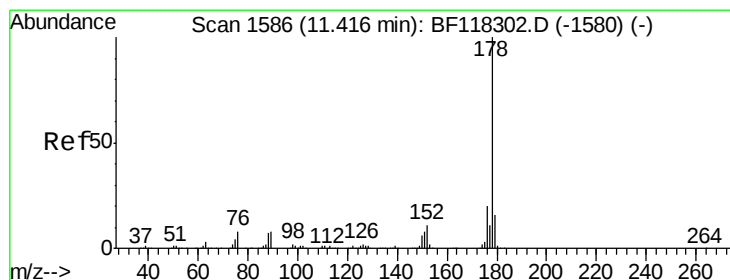
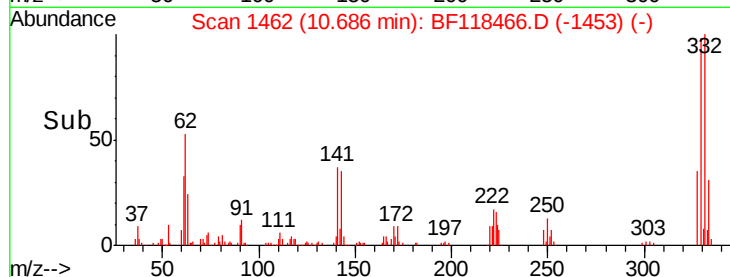
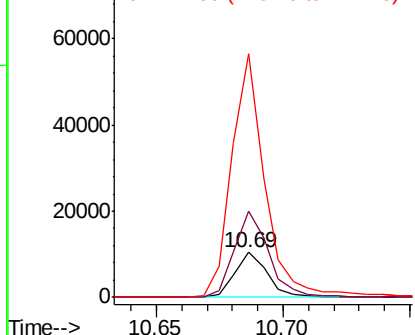
#67
 4-Bromophenyl-phenylether
 Concen: 2.817 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tgt Ion: 248 Resp: 9146
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.4 114.6#
 141 545.5 60.2 90.2#

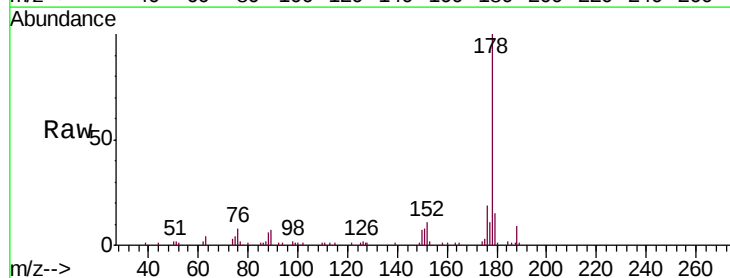


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

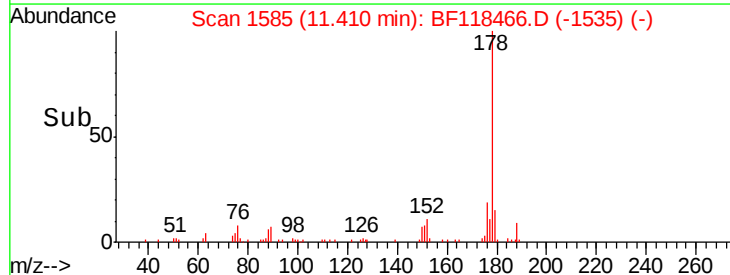
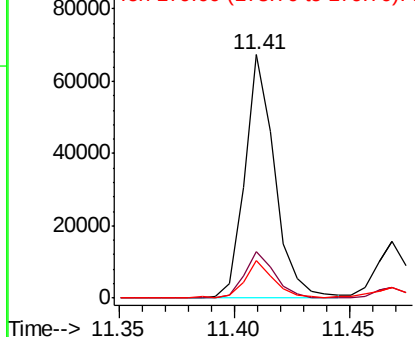


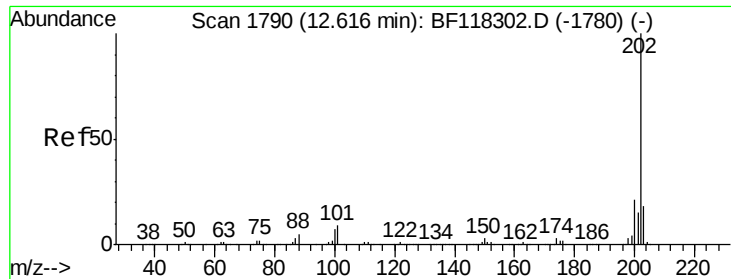
#71
 Phenanthrene
 Concen: 4.031 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118466.D
 Acq: 3 Jan 2020 19:37

Tgt Ion: 178 Resp: 60970
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.4 12.6 19.0



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: 18.059 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

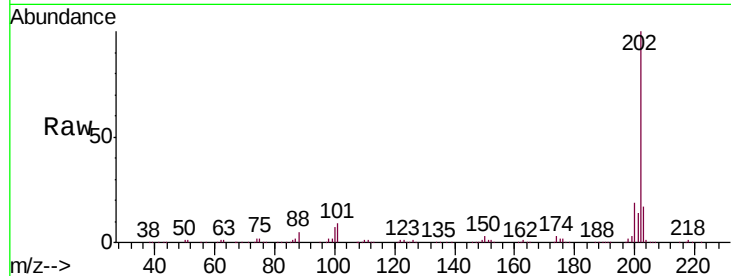
Tgt Ion: 202 Resp: 275670

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.5

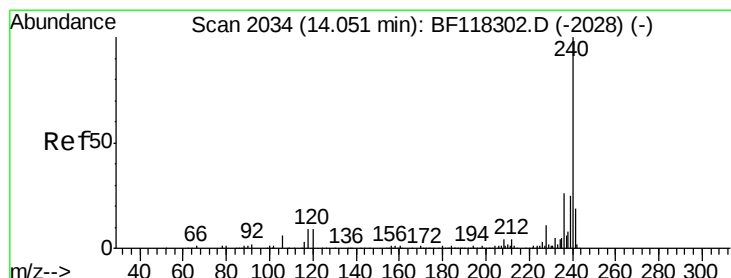
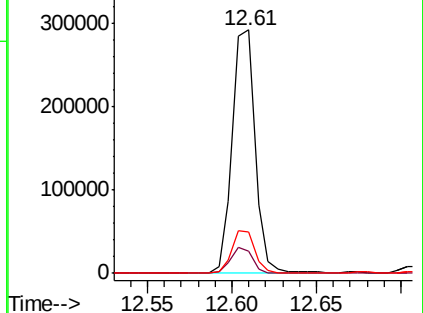
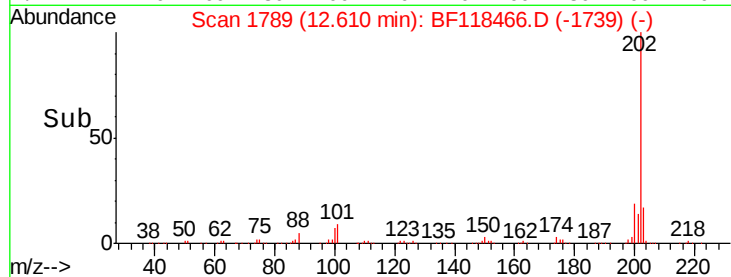
203 17.1 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

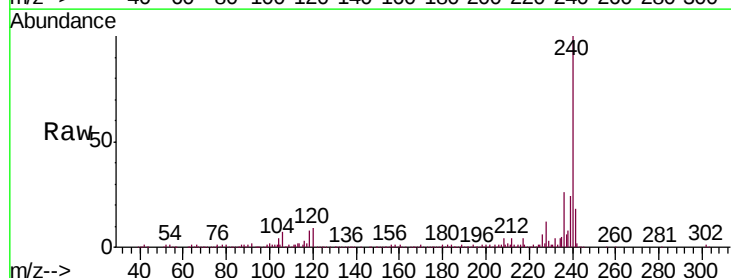
Tgt Ion: 240 Resp: 199694

Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

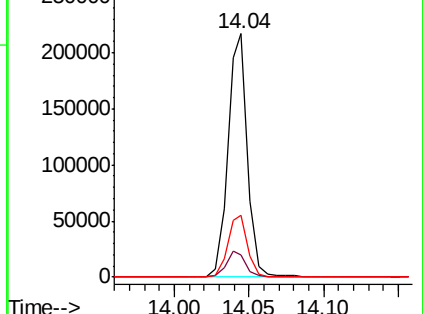
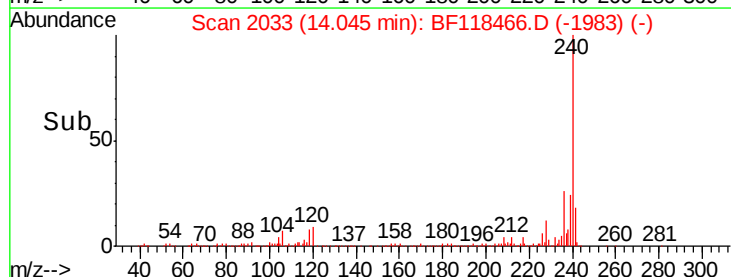
236 25.5 21.0 31.6

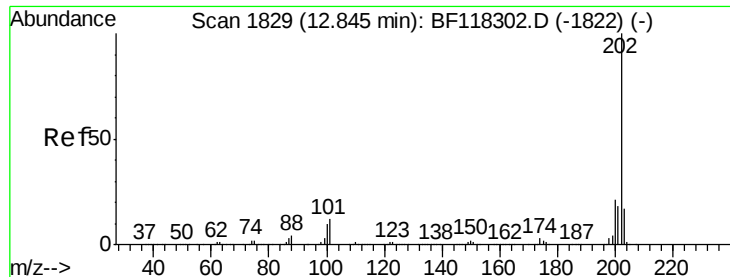


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

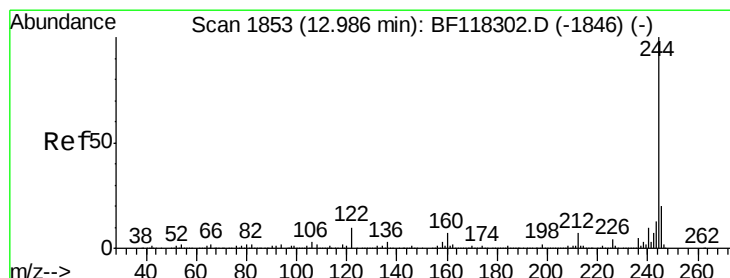
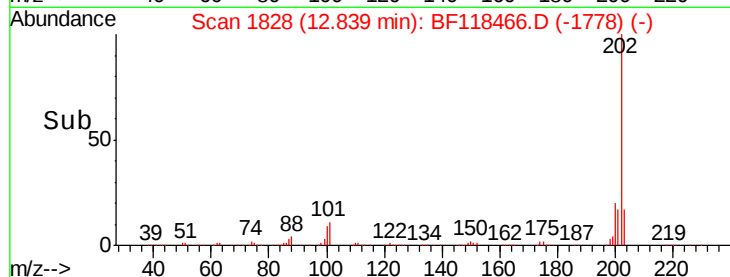
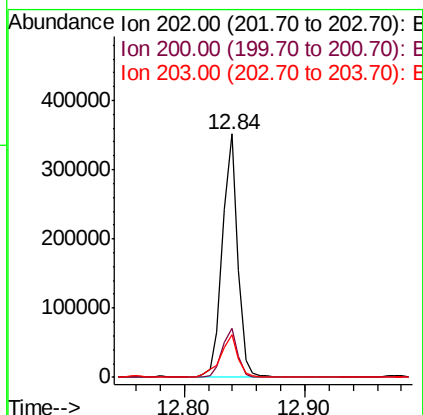
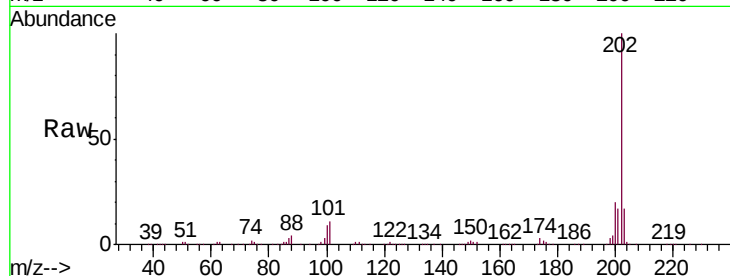




#78
Pyrene
Concen: 18.746 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

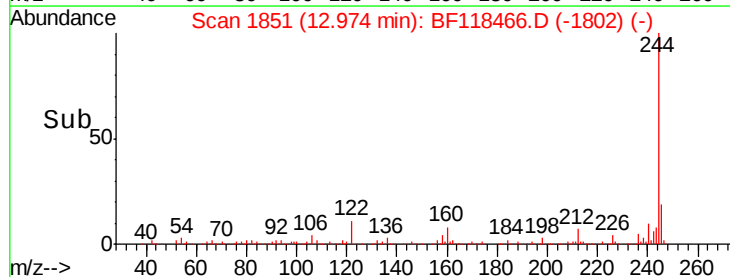
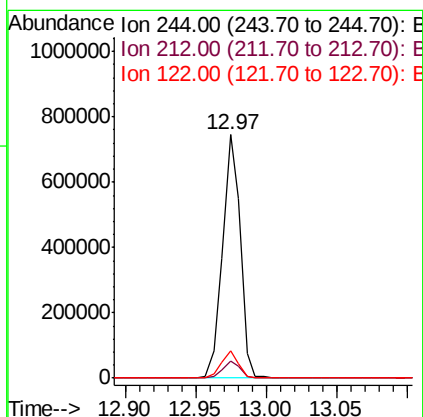
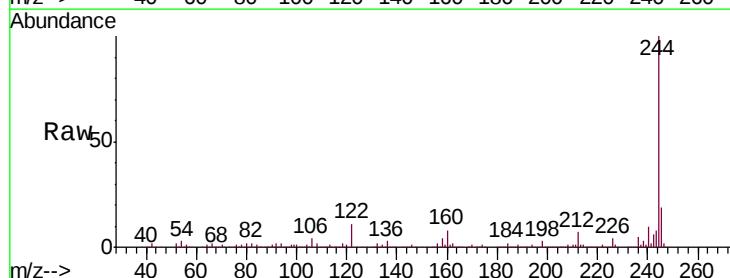
Instrument :
BNA_F
ClientSampleId :
SB-01

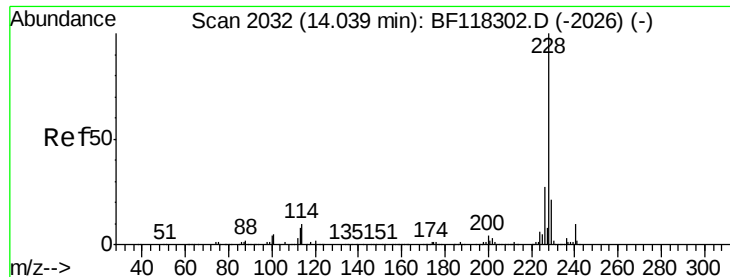
Tgt Ion: 202 Resp: 305690
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 17.3 13.9 20.9



#79
Terphenyl-d14
Concen: 54.196 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion: 244 Resp: 652348
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 11.0 7.8 11.8





#81

Benzo(a)anthracene

Concen: 12.152 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

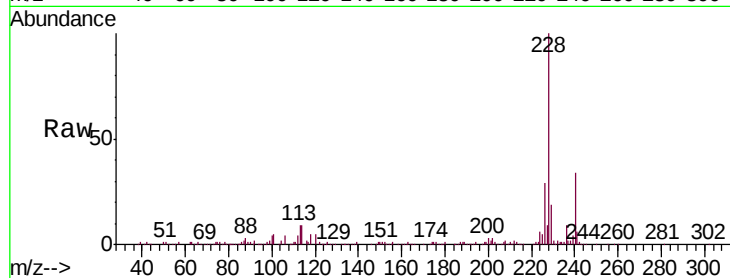
Tgt Ion:228 Resp: 169856

Ion Ratio Lower Upper

228 100

226 28.6 22.0 33.0

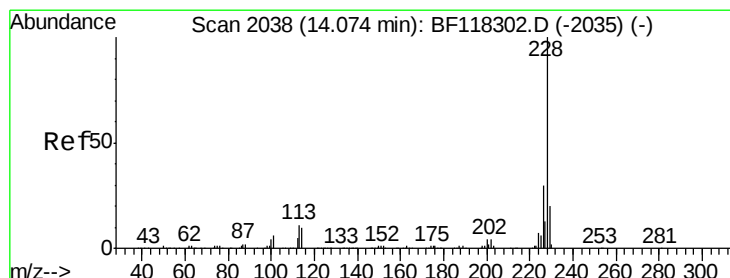
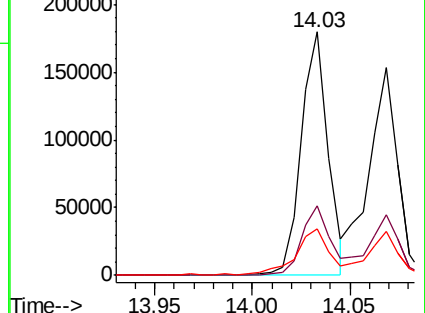
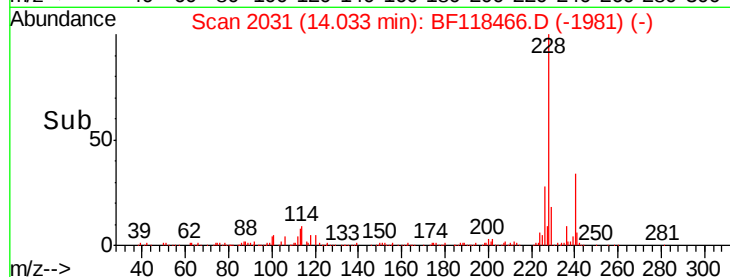
229 19.0 16.6 24.8



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



#83

Chrysene

Concen: 10.774 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

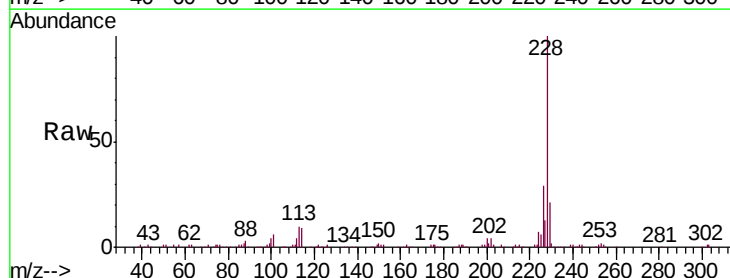
Tgt Ion:228 Resp: 144200

Ion Ratio Lower Upper

228 100

226 29.4 23.9 35.9

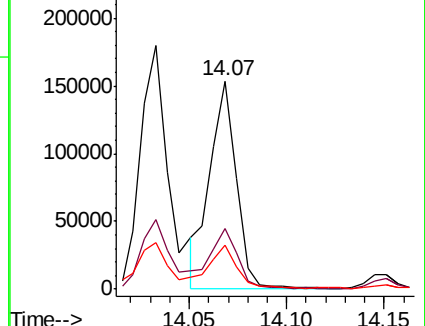
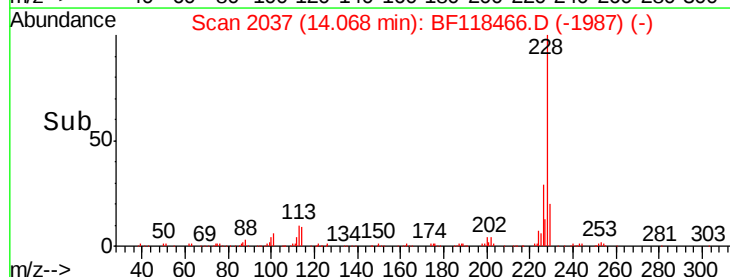
229 21.0 16.1 24.1

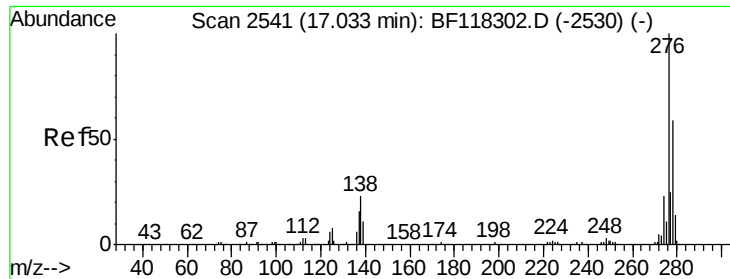


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.547 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampled :

SB-01

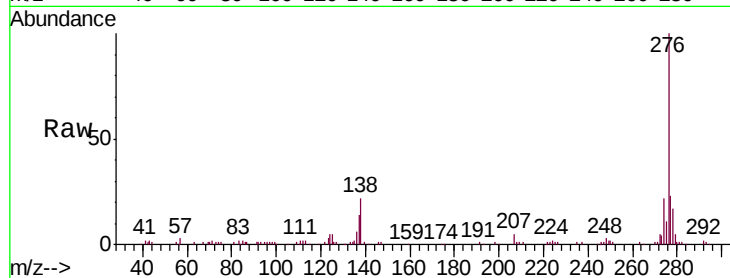
Tgt Ion:276 Resp: 143085

Ion Ratio Lower Upper

276 100

138 21.8 19.5 29.3

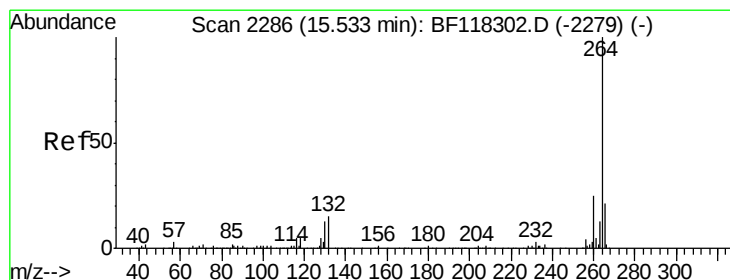
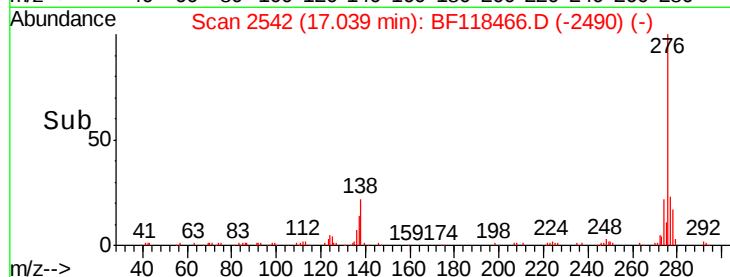
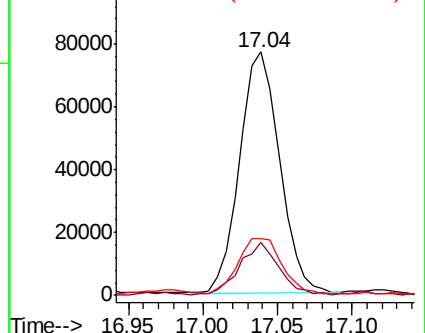
277 25.1 20.6 30.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

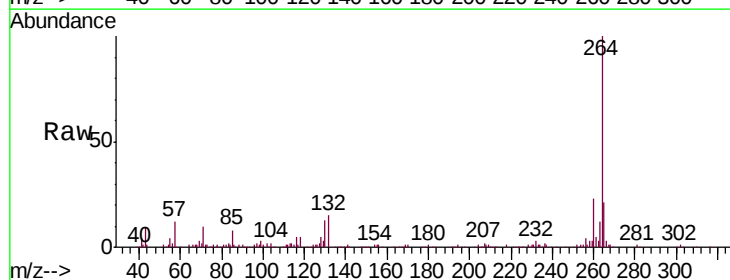
Tgt Ion:264 Resp: 177122

Ion Ratio Lower Upper

264 100

260 22.9 19.8 29.6

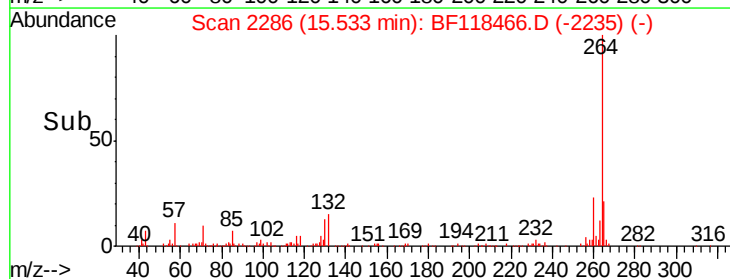
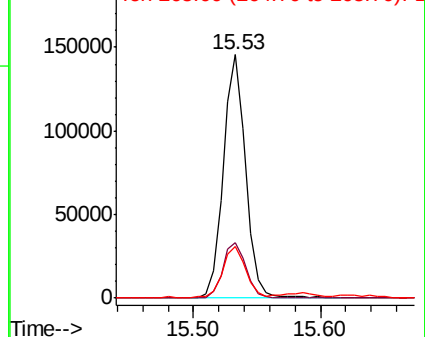
265 21.5 17.0 25.4

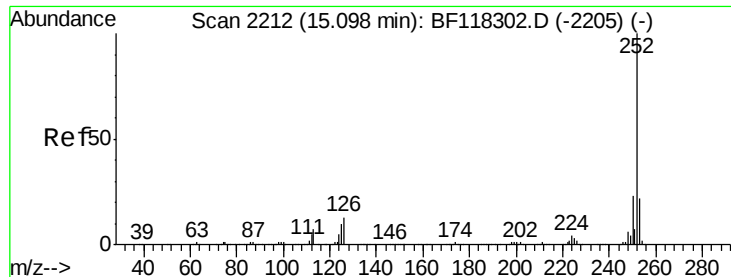


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

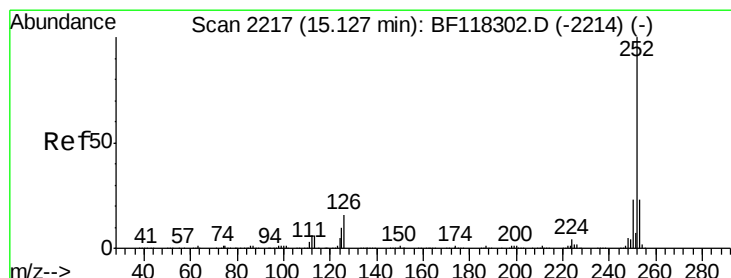
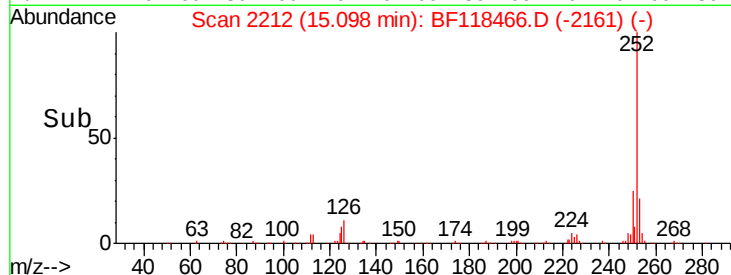
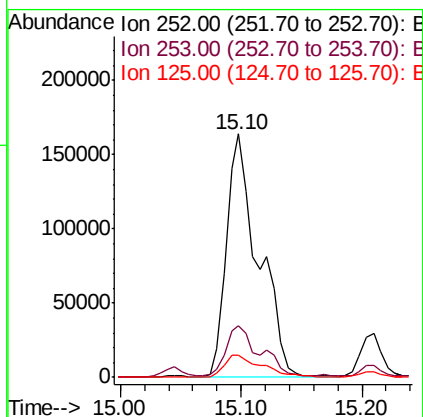
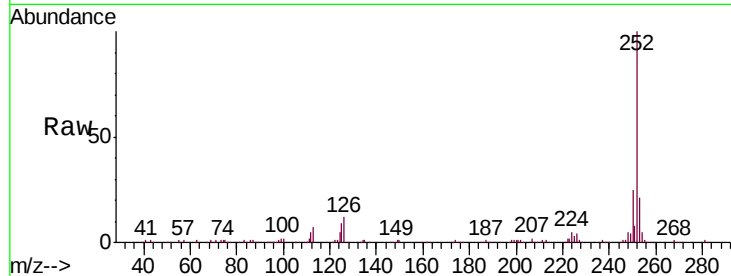




#88
Benzo(b)fluoranthene
Concen: 25.447 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

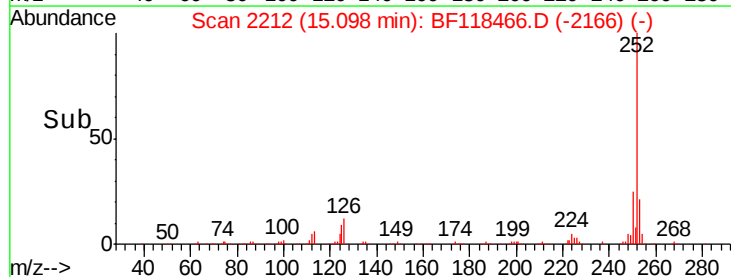
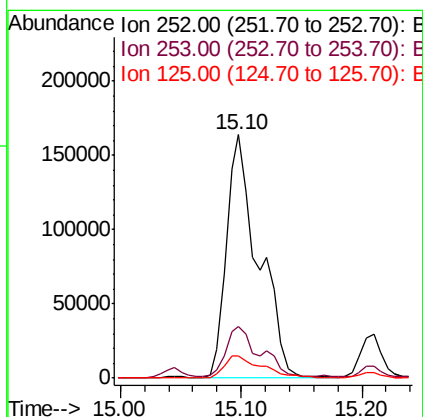
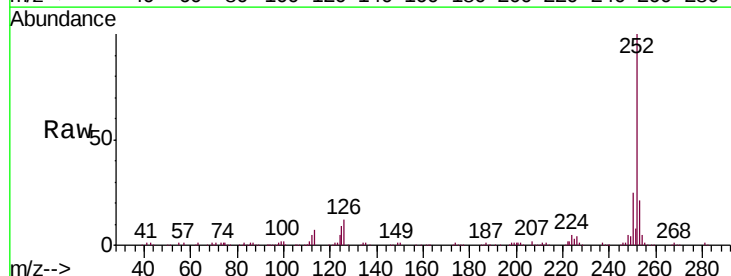
Instrument :
BNA_F
ClientSampleId :
SB-01

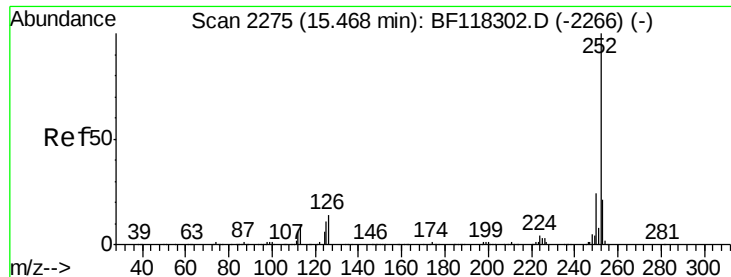
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	9.4	7.7	11.5



#89
Benzo(k)fluoranthene
Concen: 26.502 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118466.D
Acq: 3 Jan 2020 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	9.4	8.0	12.0





#90

Benzo(a)pyrene

Concen: 16.934 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

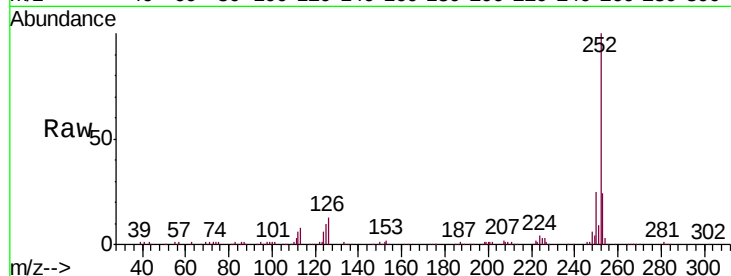
Tgt Ion:252 Resp: 175389

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

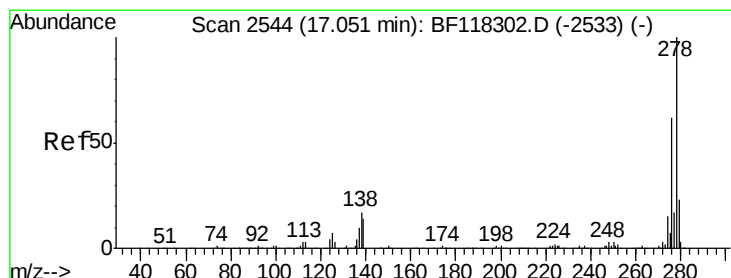
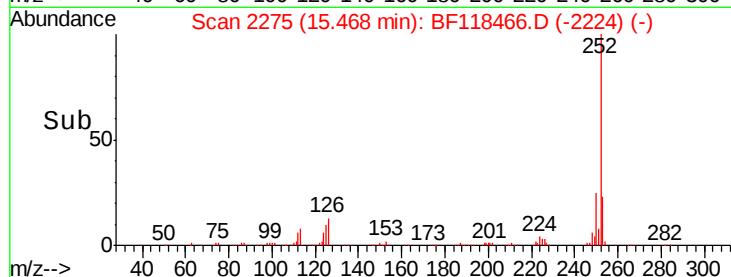
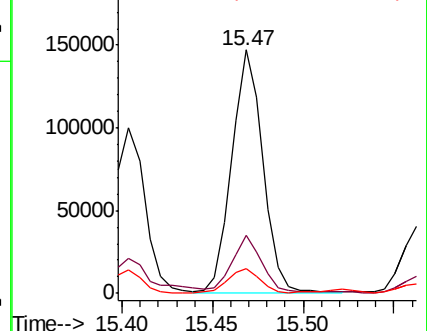
125 10.3 9.0 13.4



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



#91

Dibenzo(a,h)anthracene

Concen: 2.922 ng

RT: 17.22 min Scan# 2572

Delta R.T. 0.16 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

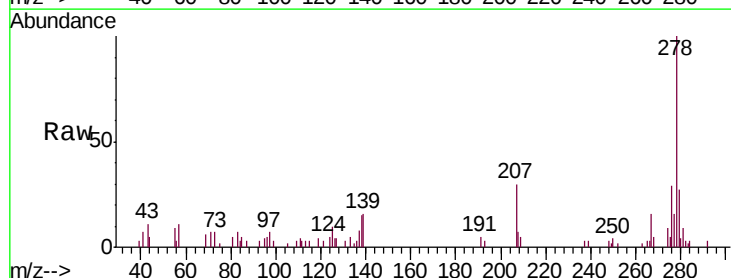
Tgt Ion:278 Resp: 26266

Ion Ratio Lower Upper

278 100

139 16.3 11.5 17.3

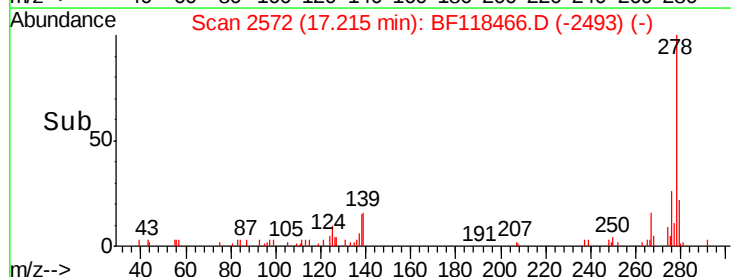
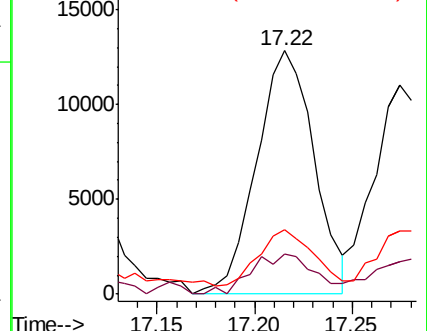
279 26.6 18.3 27.5

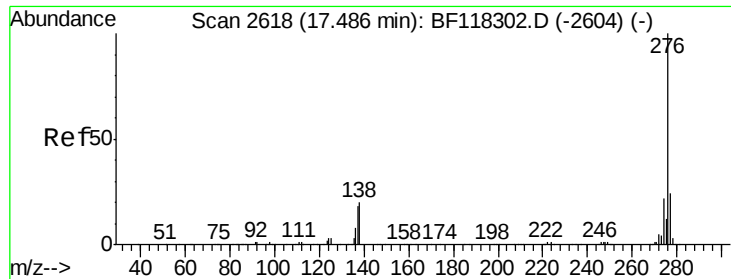


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 17.086 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.01 min

Lab File: BF118466.D

Acq: 3 Jan 2020 19:37

Instrument :

BNA_F

ClientSampleId :

SB-01

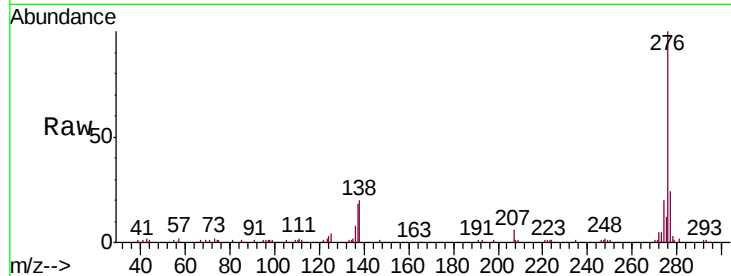
Tgt Ion:276 Resp: 148341

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 20.2 16.1 24.1



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

