

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120686.D
 Acq On : 22 Jun 2020 20:05
 Operator : JU/CG
 Sample : L3082-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11

Quant Time: Jun 23 01:34:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

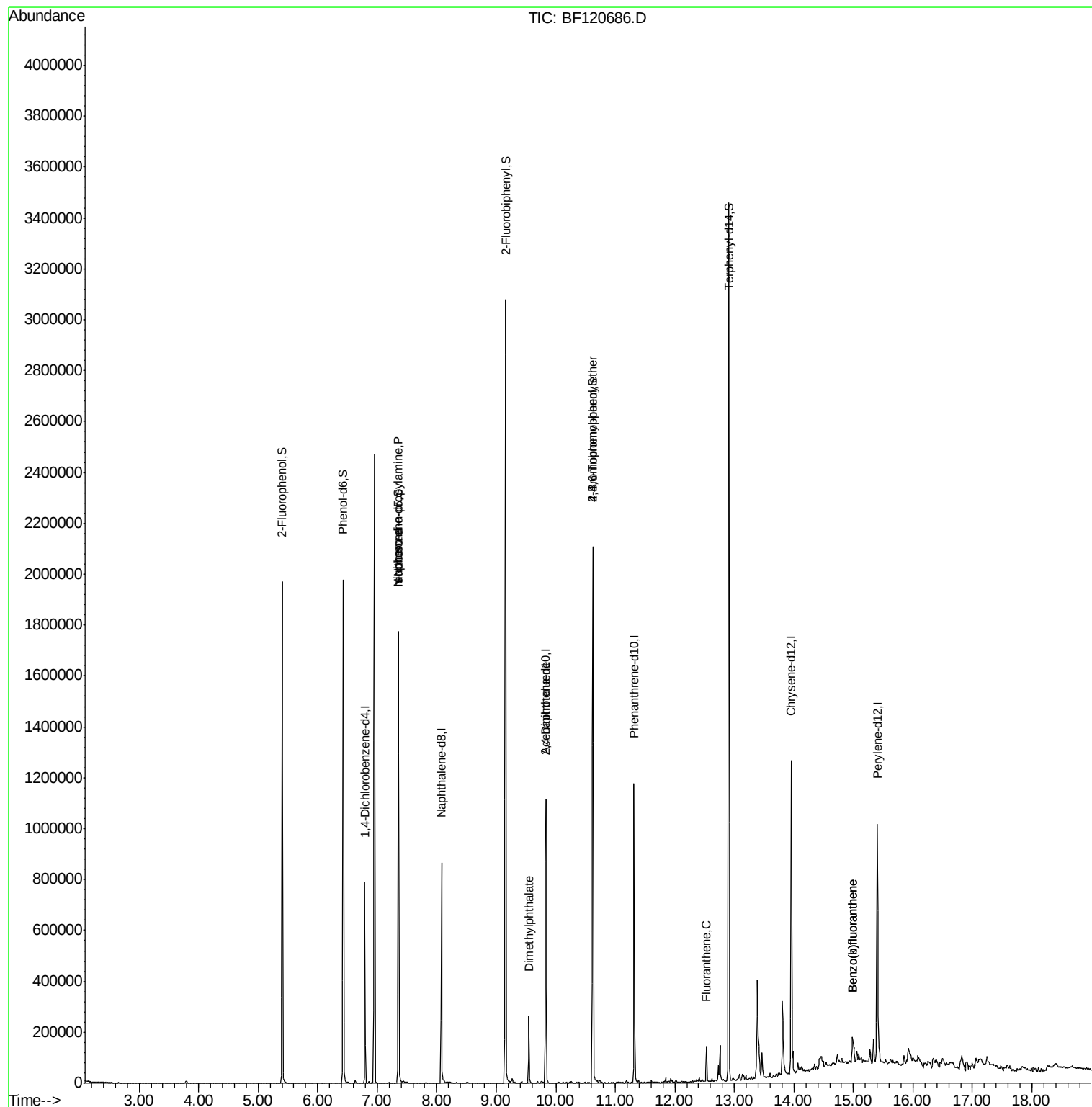
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	121035	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	437045	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	218962	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	455388	20.00	ng	0.00
76) Chrysene-d12	13.96	240	418054	20.00	ng	0.00
86) Perylene-d12	15.40	264	432689	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	546861	77.46	ng	-0.01
7) Phenol-d6	6.43	99	758034	86.21	ng	-0.01
23) Nitrobenzene-d5	7.36	82	576903	73.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	285687	112.22	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1019982	71.27	ng	0.00
79) Terphenyl-d14	12.91	244	1337698	70.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	75432	14.789	ng	# 78
25) Isophorone	7.36	82	572484	37.588	ng	# 62
50) Dimethylphthalate	9.55	163	111657	7.080	ng	100
57) 2,4-Dinitrotoluene	9.83	165	28141	5.934	ng	# 28
67) 4-Bromophenyl-phenylether	10.62	248	16634	3.218	ng	# 1
75) Fluoranthene	12.53	202	58093	2.245	ng	98
88) Benzo(b)fluoranthene	14.99	252	72741	2.822	ng	97
89) Benzo(k)fluoranthene	14.99	252	72741	3.189	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: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

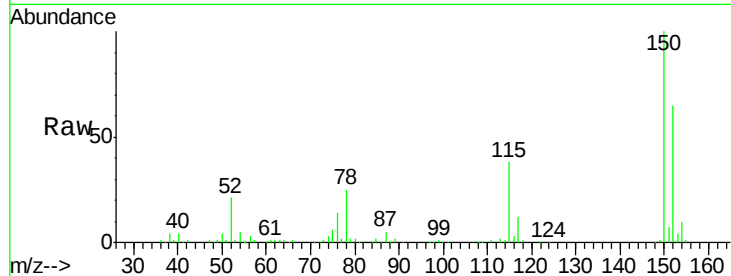
Tot Ion:152 Resp: 121035

Ion Ratio Lower Upper

152 100

150 154.5 123.2 184.8

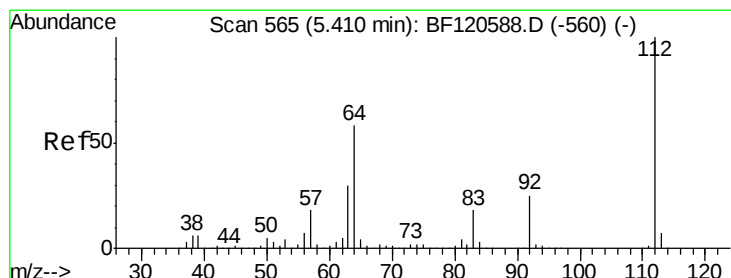
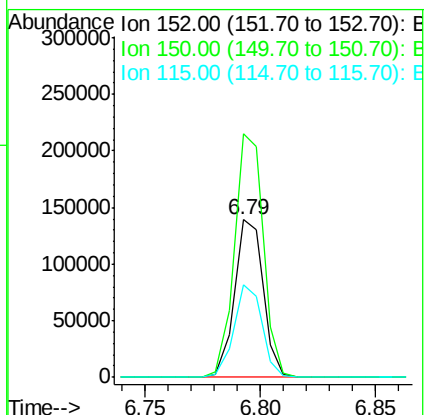
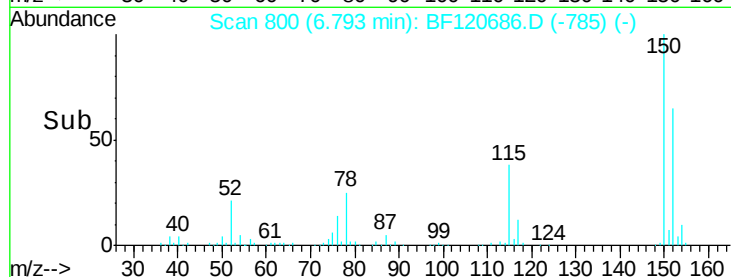
115 58.6 43.9 65.9



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: 77.462 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

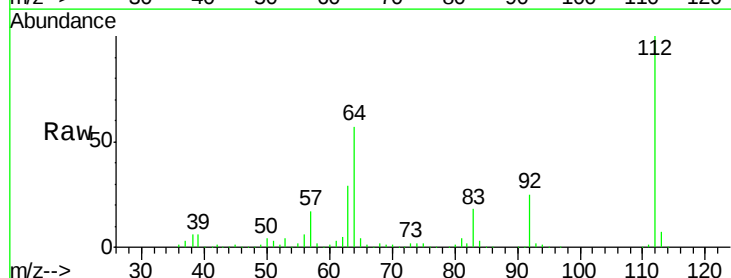
Tgt Ion:112 Resp: 546861

Ion Ratio Lower Upper

112 100

64 56.5 46.1 69.1

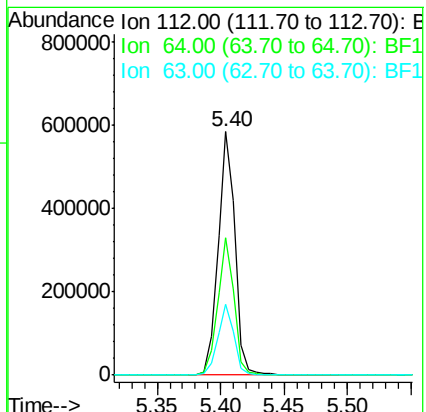
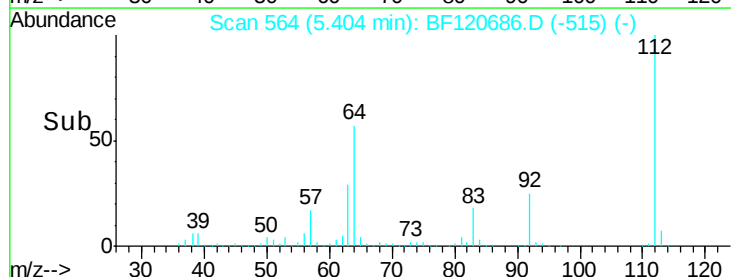
63 29.3 23.7 35.5

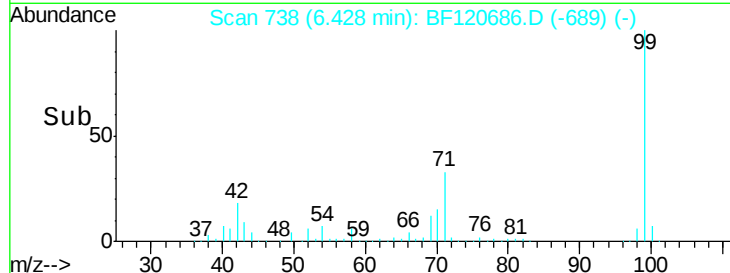
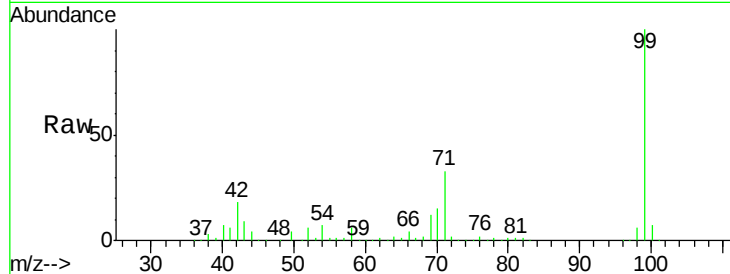
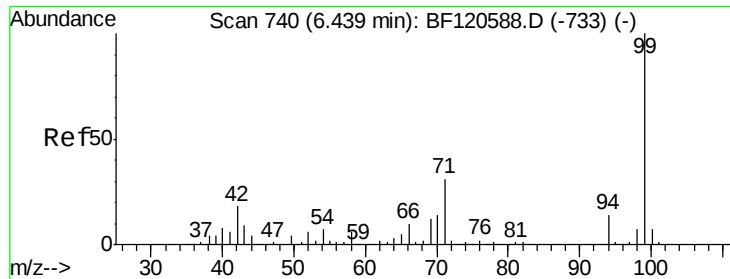


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.211 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

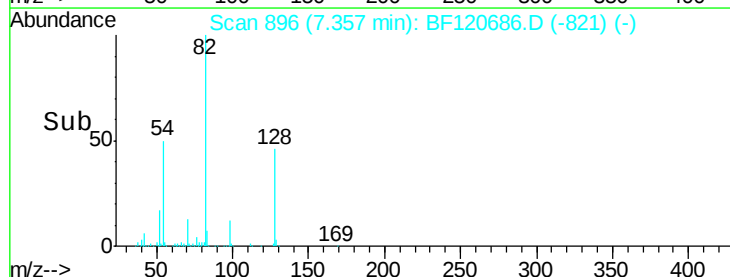
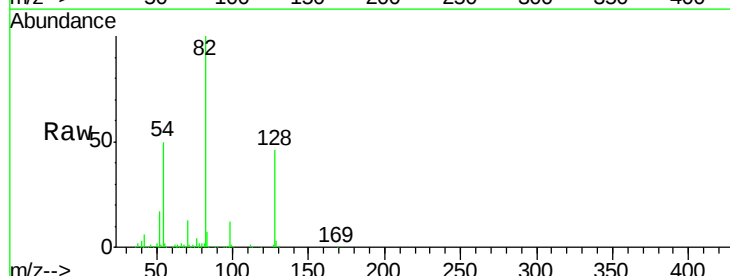
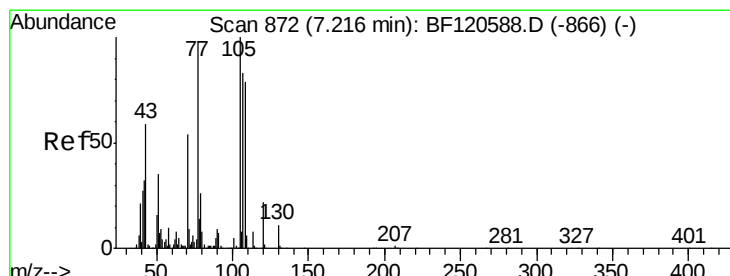
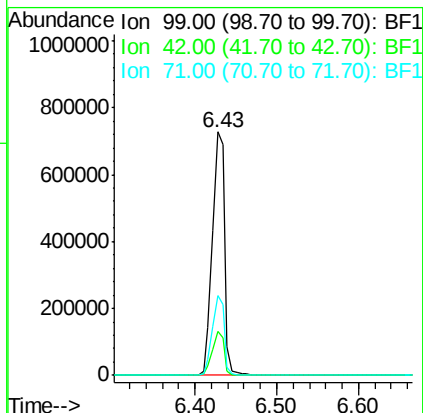
Tot Ion: 99 Resp: 758034

Ion Ratio Lower Upper

99 100

42 18.0 14.0 21.0

71 33.0 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.789 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Tgt Ion: 70 Resp: 75432

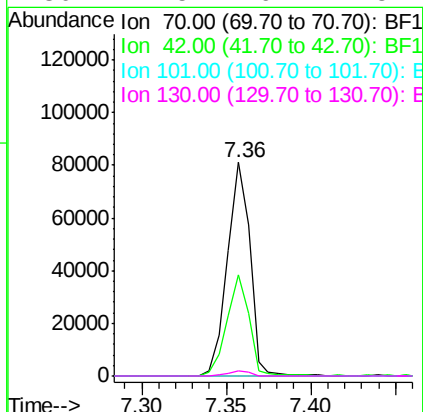
Ion Ratio Lower Upper

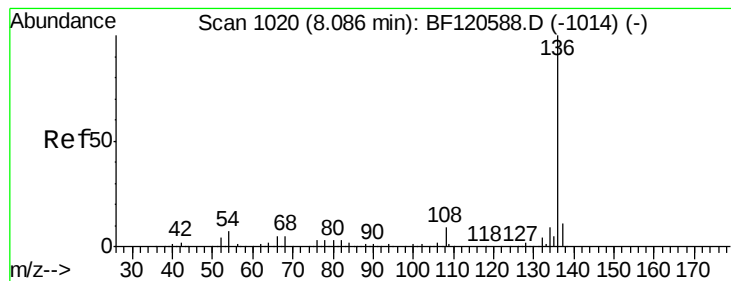
70 100

42 47.6 47.7 71.5#

101 0.0 7.6 11.4#

130 2.5 16.7 25.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

Tot Ion:136 Resp: 437045

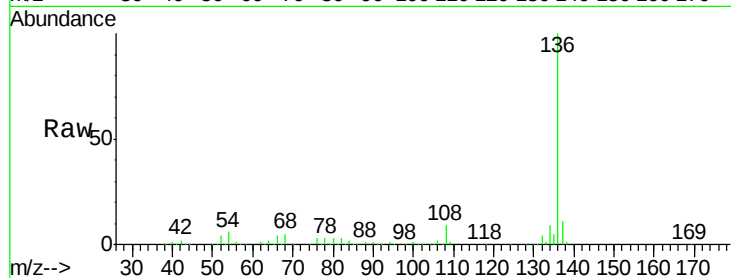
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.2 5.8 8.6

68 5.0 4.4 6.6

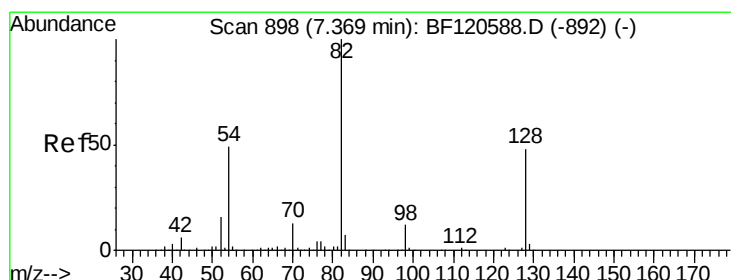
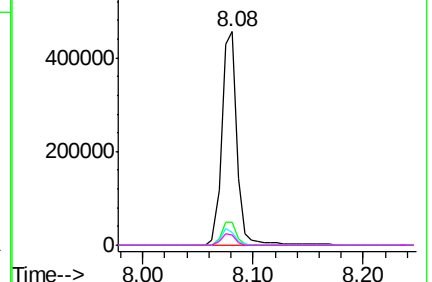
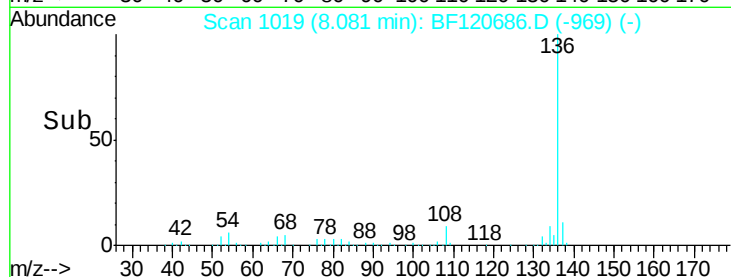


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.784 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

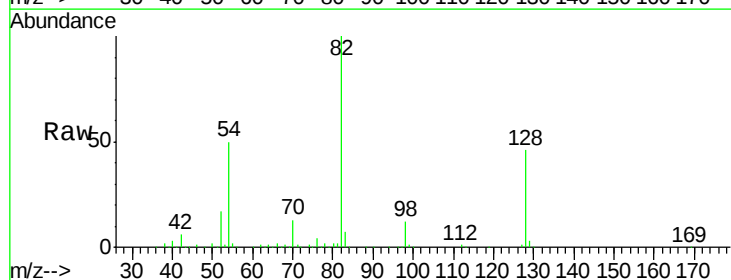
Tgt Ion: 82 Resp: 576903

Ion Ratio Lower Upper

82 100

128 46.4 38.0 57.0

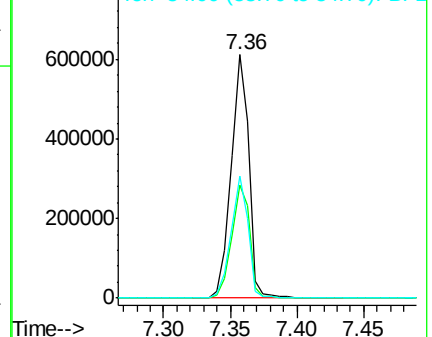
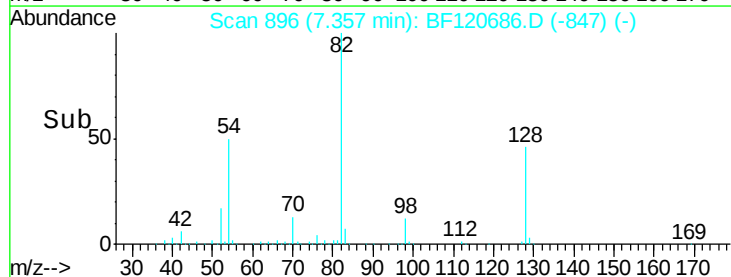
54 50.0 38.8 58.2

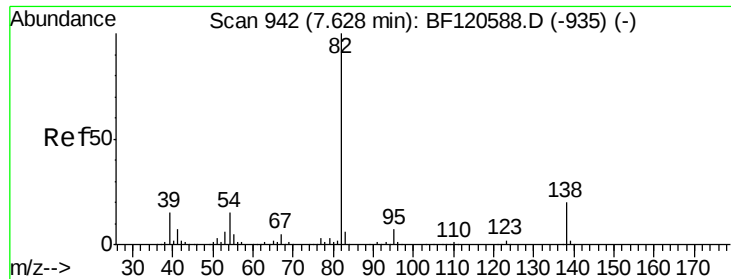


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.588 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

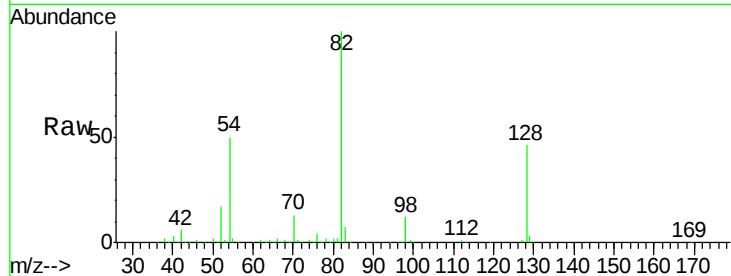
Tot Ion: 82 Resp: 572484

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

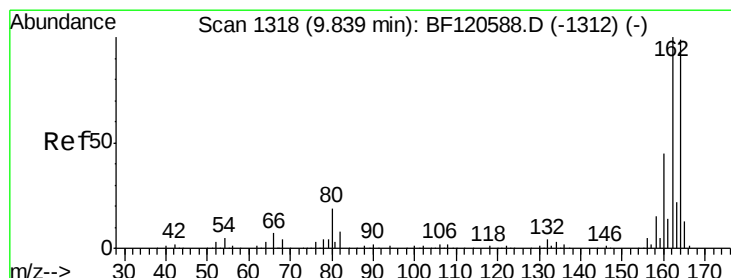
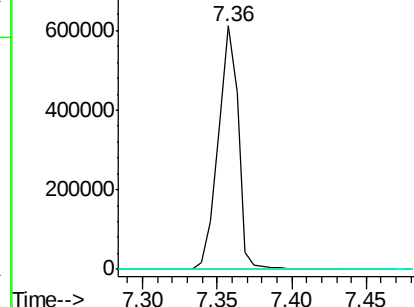
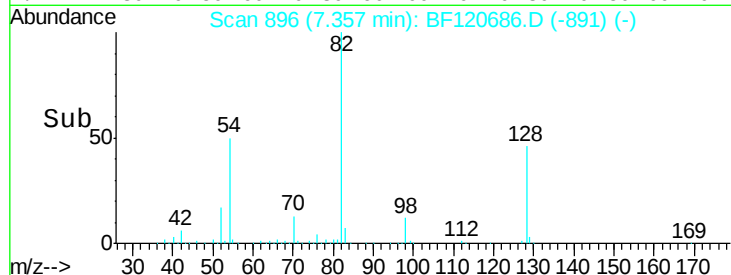
138 0.0 16.2 24.4#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

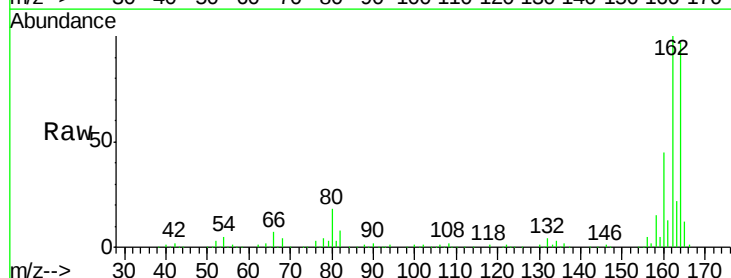
Tgt Ion:164 Resp: 218962

Ion Ratio Lower Upper

164 100

162 103.2 80.6 120.8

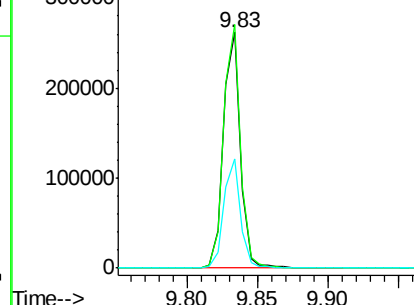
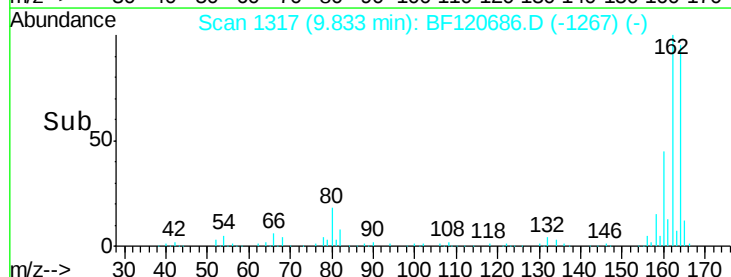
160 46.2 36.2 54.2

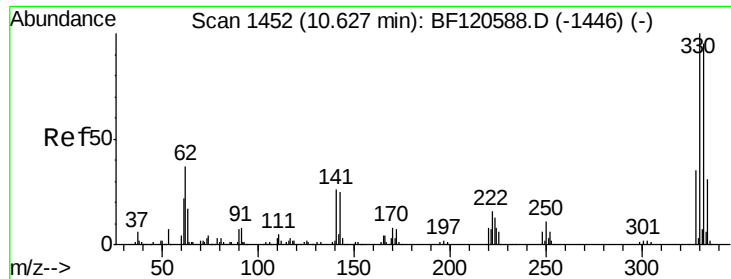


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

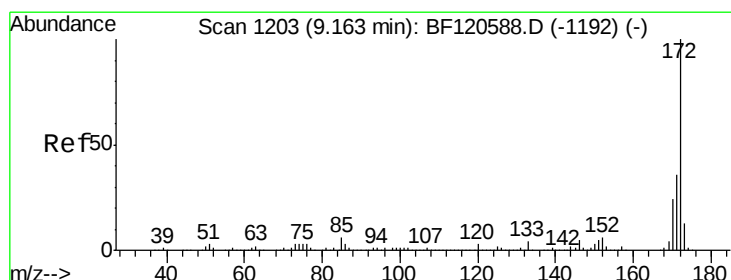
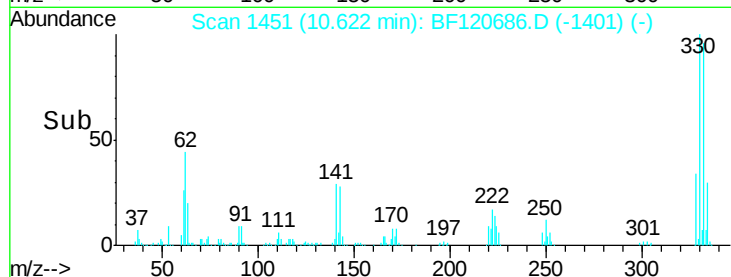
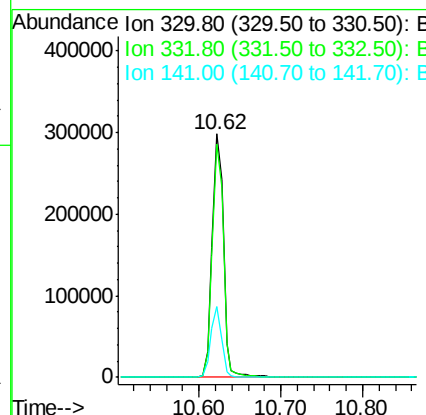
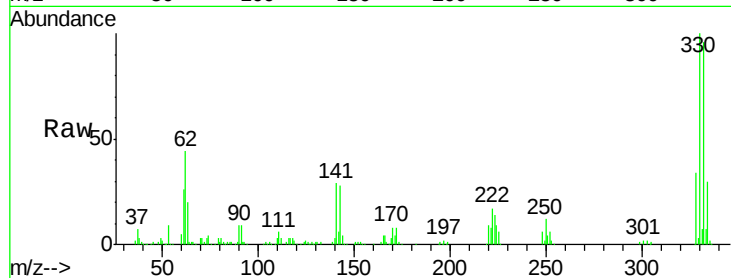




#42
 2,4,6-Tribromophenol
 Concen: 112.222 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120686.D
 Acq: 22 Jun 2020 20:05

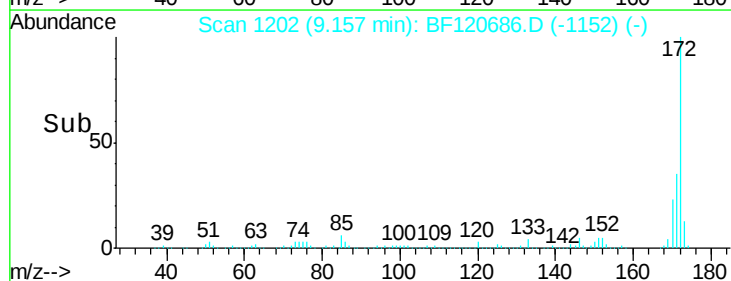
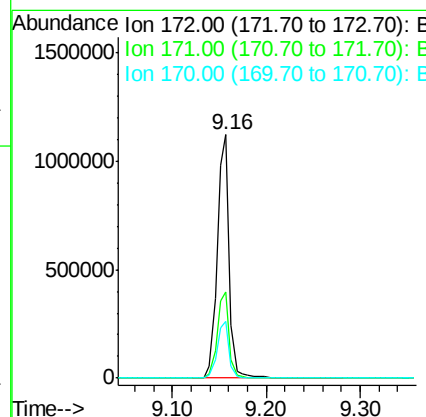
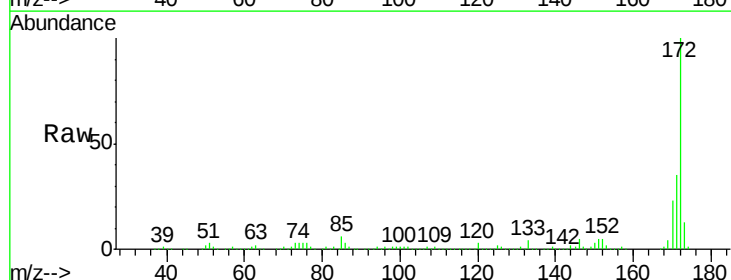
Instrument :
 BNA_F
 ClientSampleId :
 SB-11

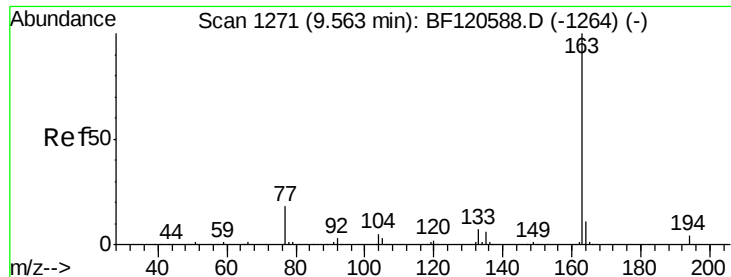
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.8	115.2
141	28.2	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 71.271 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120686.D
 Acq: 22 Jun 2020 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.4	19.4	29.2





#50

Dimethylphthalate

Concen: 7.080 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

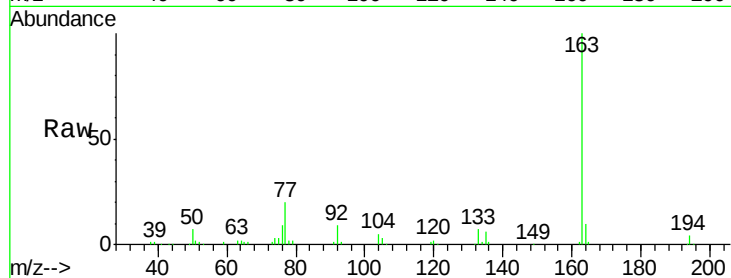
Tot Ion:163 Resp: 111657

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

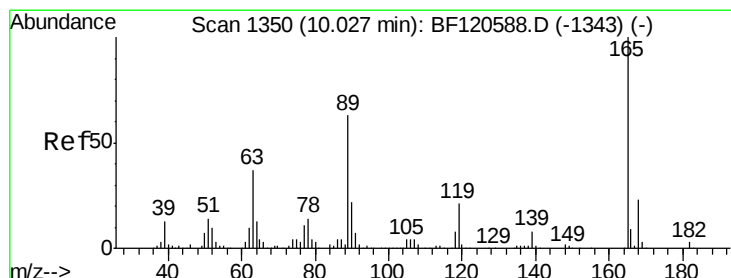
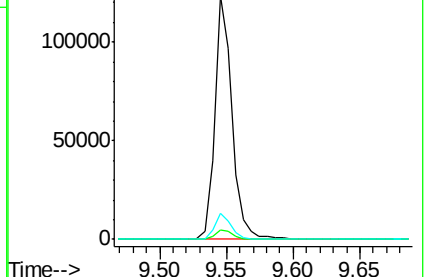
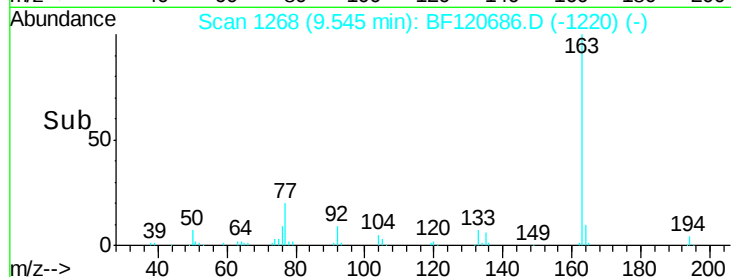
164 10.5 8.5 12.7



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: 5.934 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Tgt Ion:165 Resp: 28141

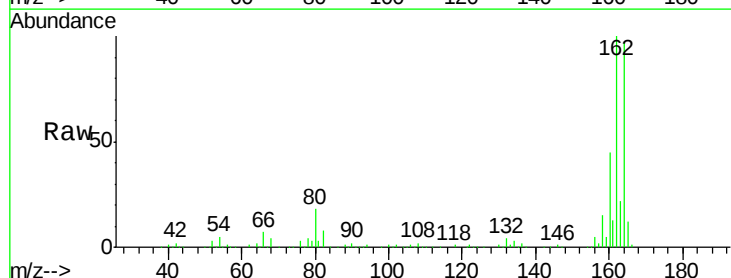
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.8#

89 1.0 50.4 75.6#

182 0.0 2.1 3.1#

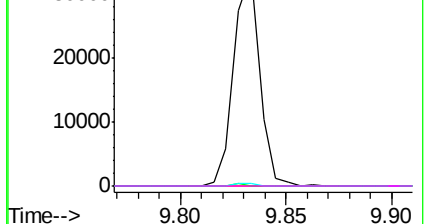
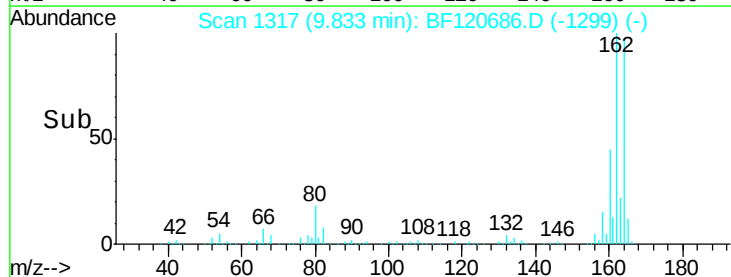


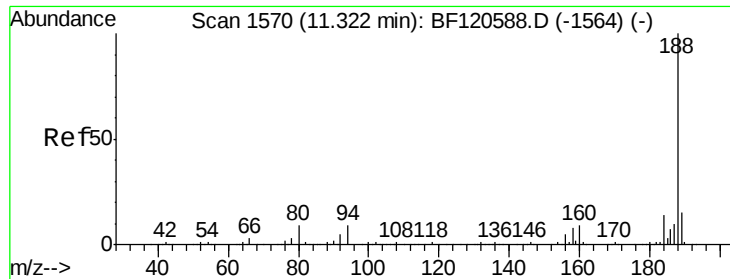
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

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SB-11

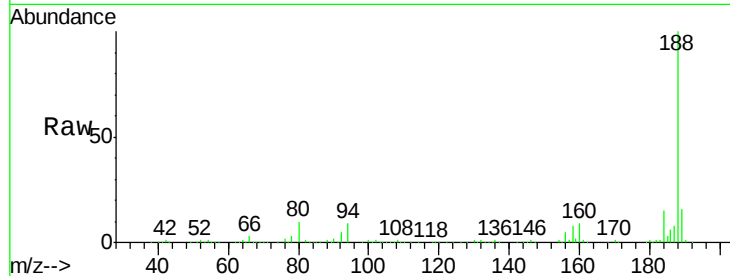
Tot Ion:188 Resp: 455388

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

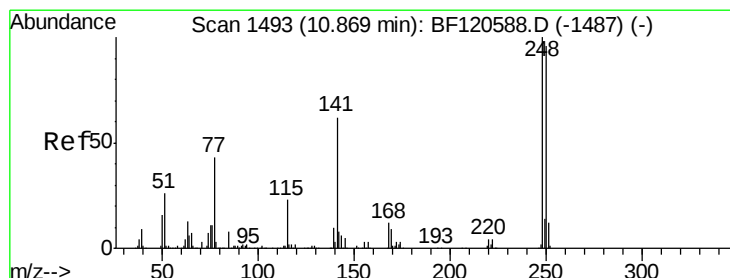
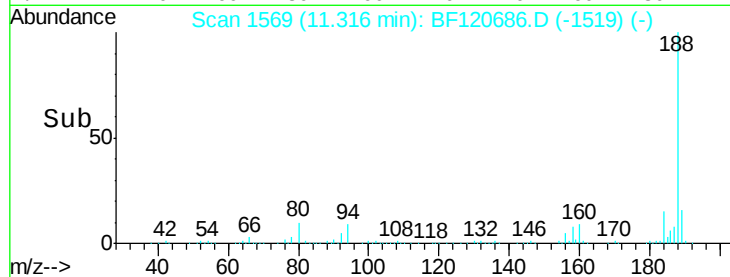
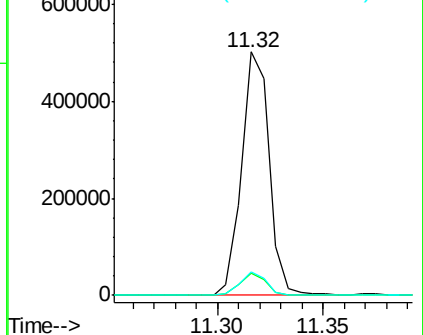
80 9.9 7.4 11.2



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



#67

4-Bromophenyl-phenylether

Concen: 3.218 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

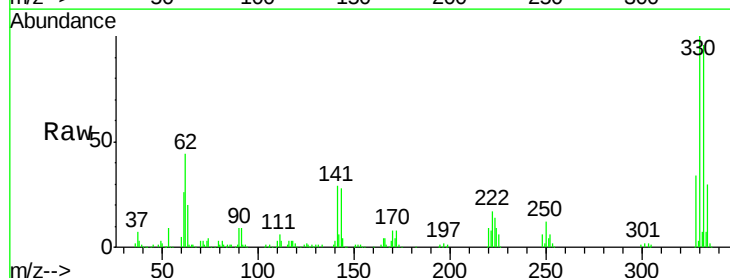
Tgt Ion:248 Resp: 16634

Ion Ratio Lower Upper

248 100

250 194.8 76.7 115.1#

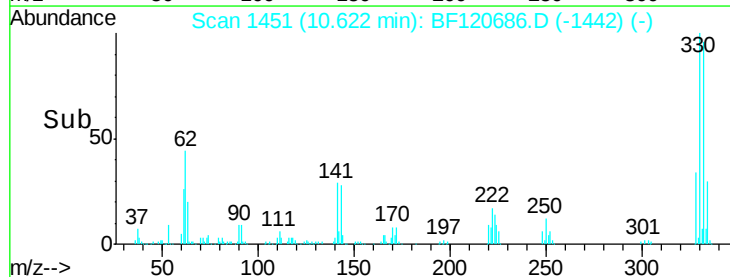
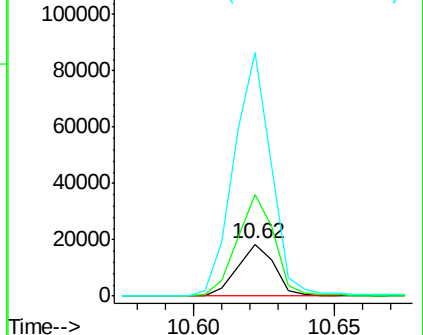
141 469.0 49.4 74.0#

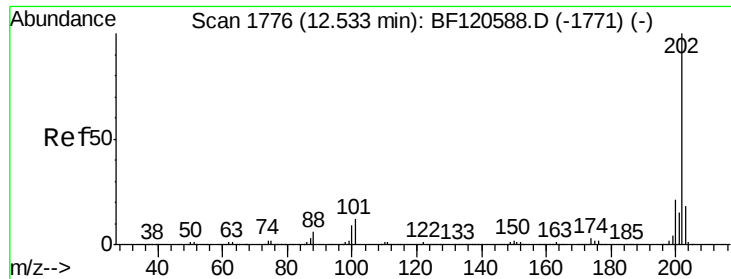


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

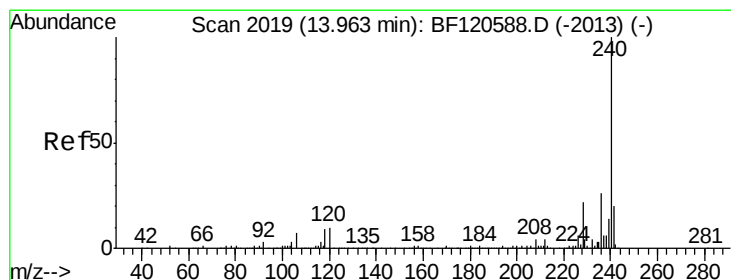
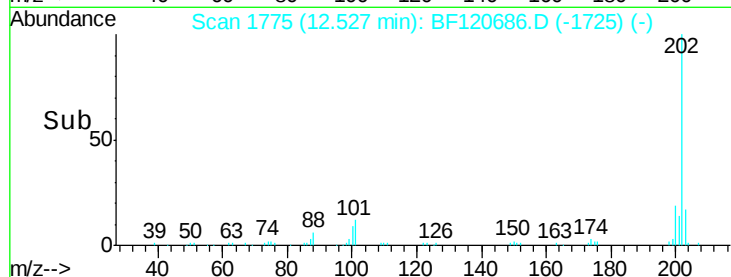
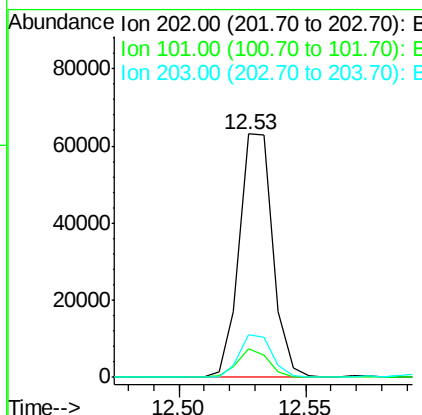
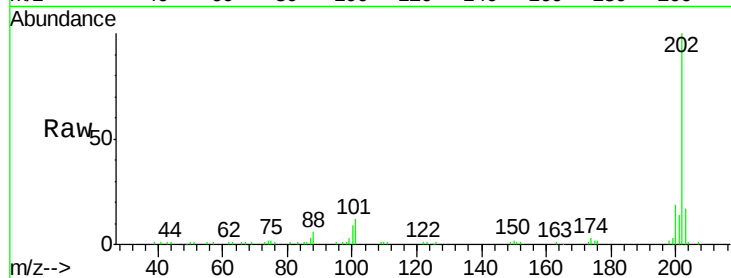




#75
Fluoranthene
Concen: 2.245 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF120686.D
Acq: 22 Jun 2020 20:05

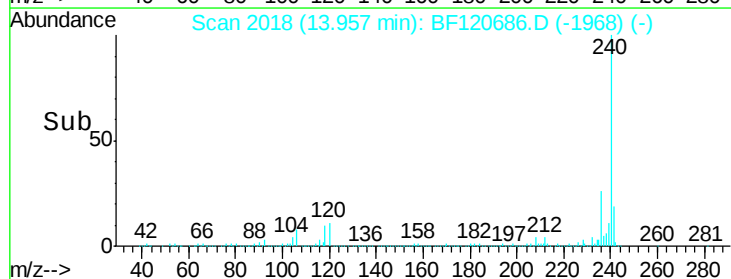
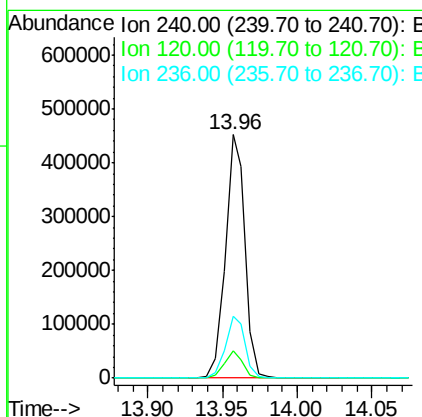
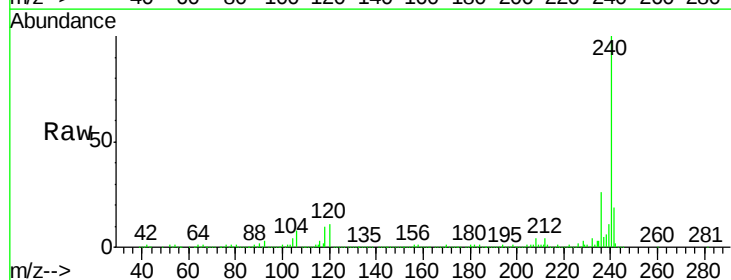
Instrument :
BNA_F
ClientSampleId :
SB-11

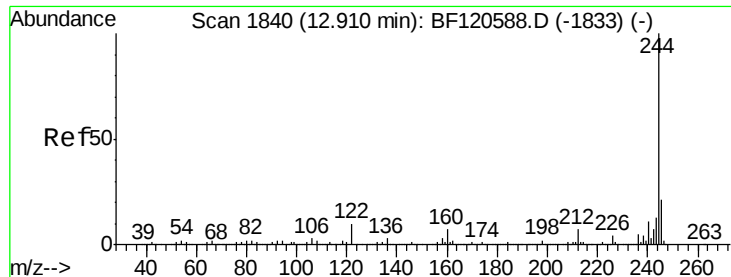
Tot Ion:202 Resp: 58093
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.0
203 17.4 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120686.D
Acq: 22 Jun 2020 20:05

Tgt Ion:240 Resp: 418054
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 25.5 21.0 31.4





#79

Terphenyl-d14

Concen: 70.680 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SB-11

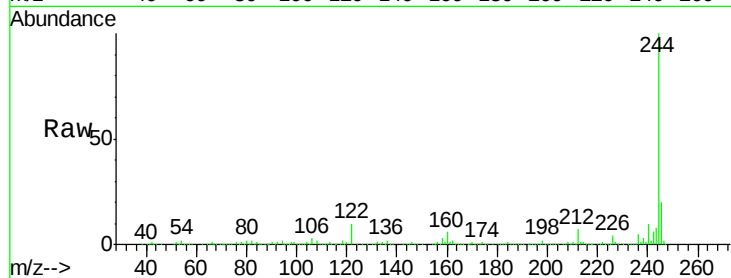
Tot Ion:244 Resp: 1337698

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

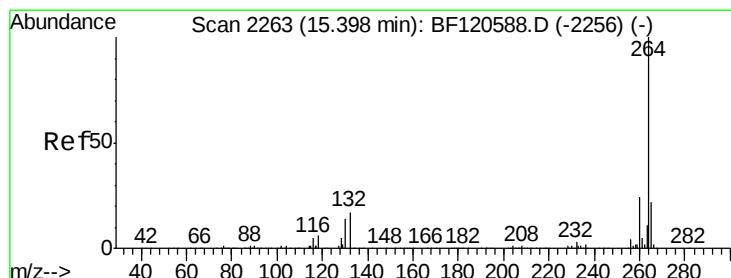
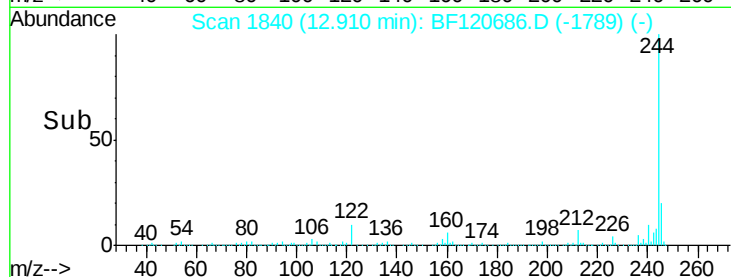
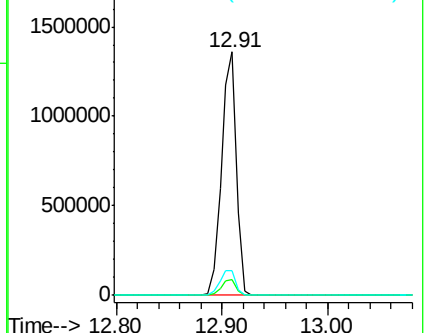
122 10.3 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120686.D

Acq: 22 Jun 2020 20:05

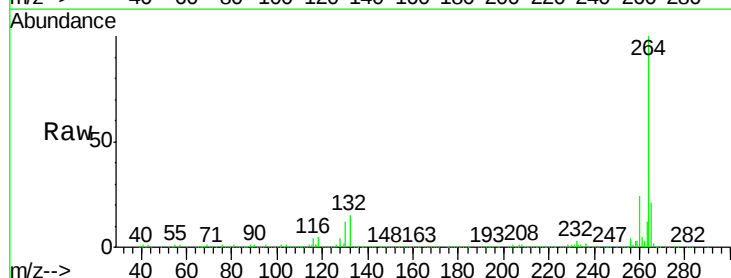
Tgt Ion:264 Resp: 432689

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

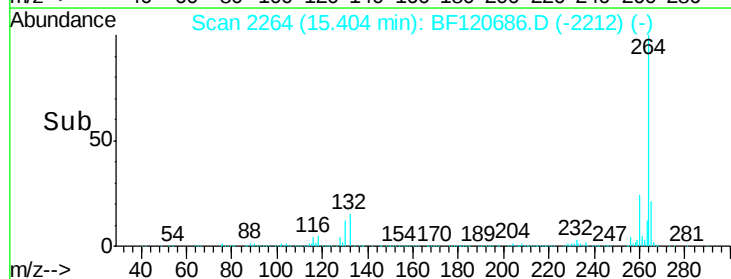
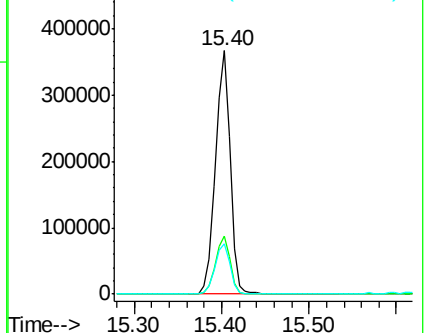
265 20.7 17.8 26.8

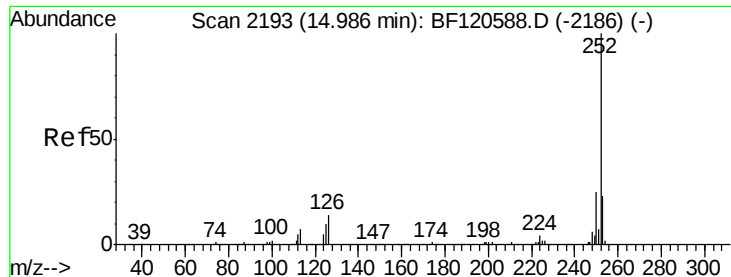


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

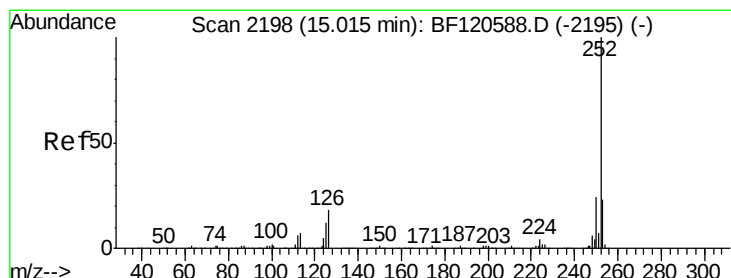
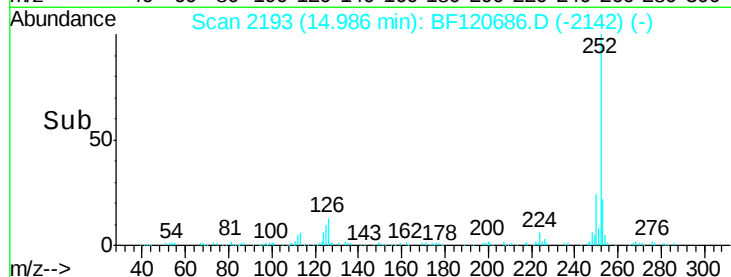
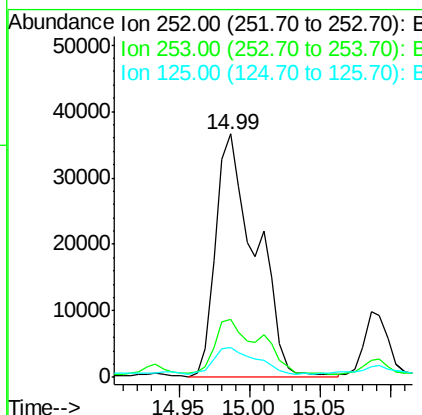
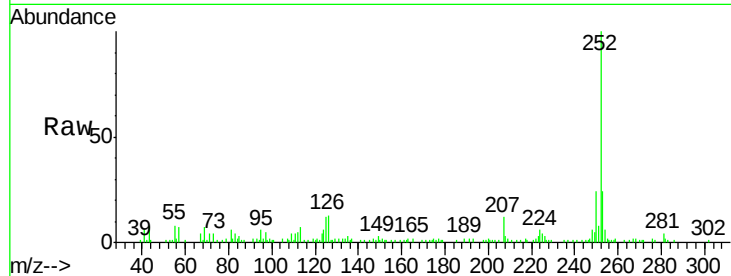




#88
Benzo(b)fluoranthene
Concen: 2.822 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120686.D
Acq: 22 Jun 2020 20:05

Instrument :
BNA_F
ClientSampled :
SB-11

Tot Ion:252 Resp: 72741
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 12.1 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 3.189 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120686.D
Acq: 22 Jun 2020 20:05

Tgt Ion:252 Resp: 72741
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 12.1 8.3 12.5

