

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120689.D
 Acq On : 22 Jun 2020 21:35
 Operator : JU/CG
 Sample : L3082-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19

Quant Time: Jun 23 01:37:38 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

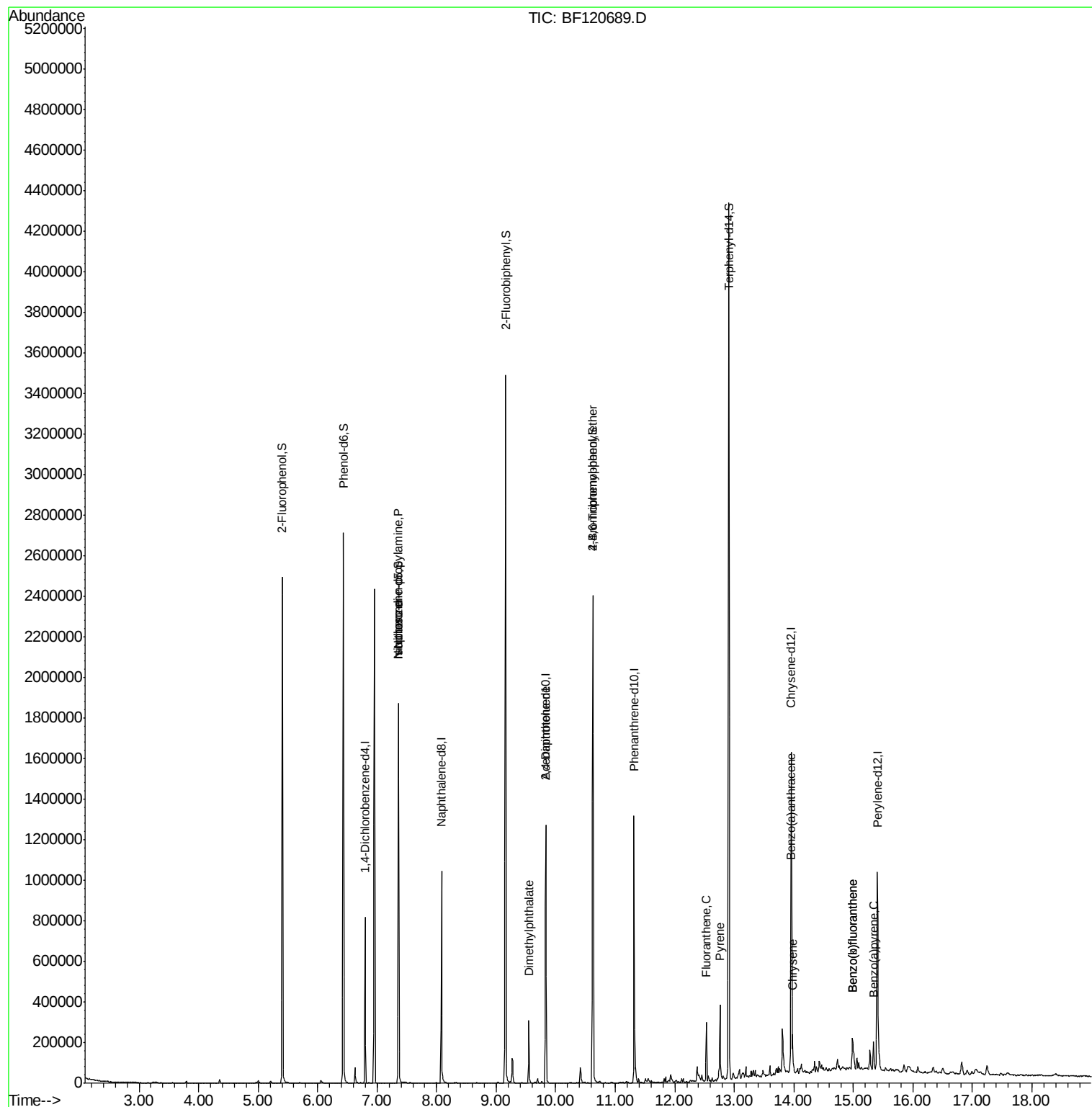
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129869	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	513435	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	247306	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	515410	20.00	ng	0.00
76) Chrysene-d12	13.96	240	521695	20.00	ng	0.00
86) Perylene-d12	15.40	264	460201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	786933	103.89	ng	0.00
7) Phenol-d6	6.43	99	992276	105.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	606060	65.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	331083	115.15	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1127711	69.77	ng	0.00
79) Terphenyl-d14	12.91	244	1667954	70.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	78157	14.281	ng	# 77
25) Isophorone	7.36	82	602150	33.653	ng	# 62
50) Dimethylphthalate	9.55	163	136588	7.669	ng	99
57) 2,4-Dinitrotoluene	9.83	165	31589	5.898	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	18773	3.209	ng	# 1
75) Fluoranthene	12.53	202	117583	4.014	ng	97
78) Pyrene	12.76	202	147727	3.997	ng	99
81) Benzo(a)anthracene	13.94	228	81354	2.596	ng	98
83) Chrysene	13.98	228	74869	2.329	ng	97
88) Benzo(b)fluoranthene	14.99	252	111583	4.070	ng	99
89) Benzo(k)fluoranthene	14.99	252	111583	4.600	ng	99
90) Benzo(a)pyrene	15.34	252	64526	2.630	ng	98

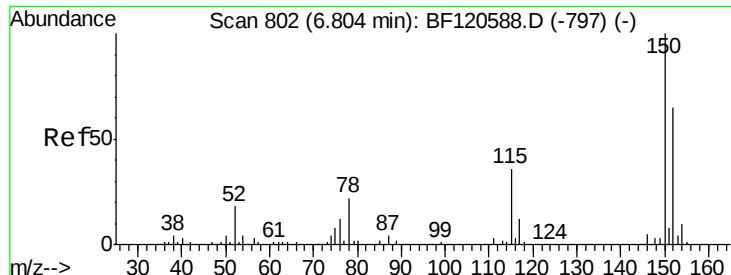
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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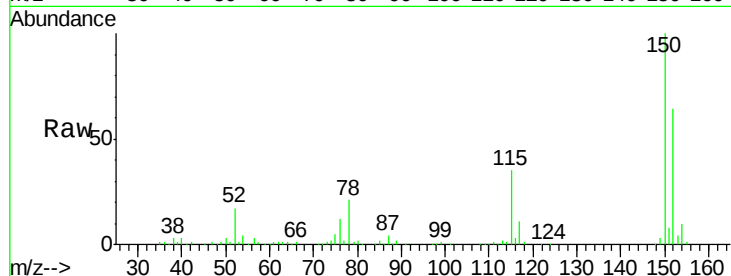




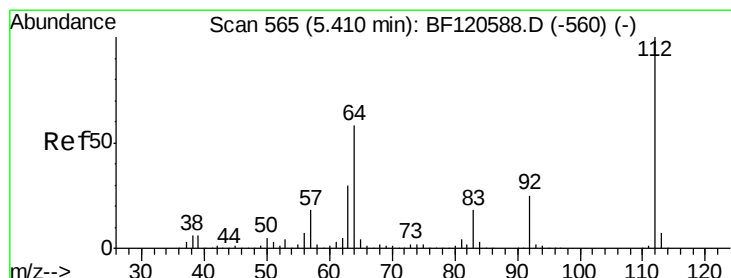
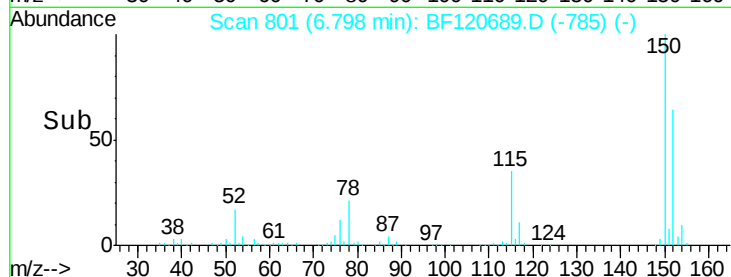
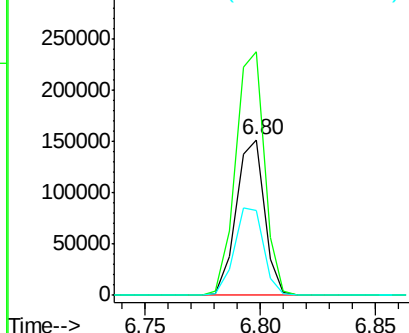
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120689.D
 Acq: 22 Jun 2020 21:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-19

Tot Ion:152 Resp: 129869
 Ion Ratio Lower Upper
 152 100
 150 156.4 123.2 184.8
 115 54.7 43.9 65.9

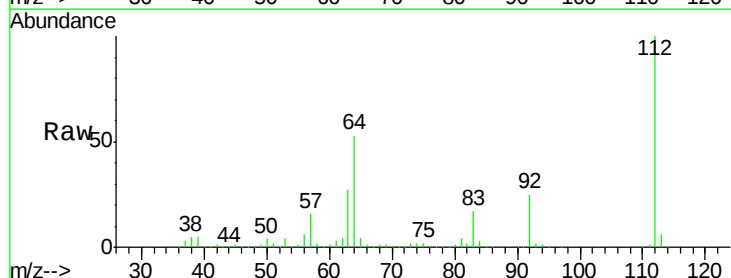


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

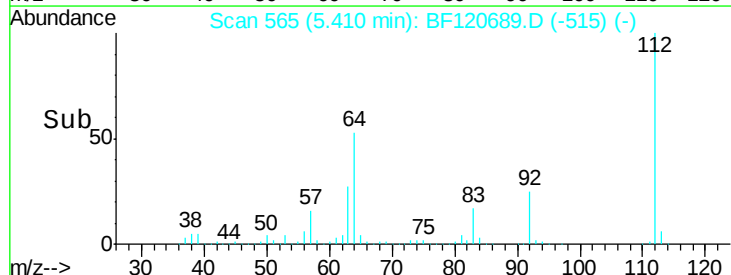
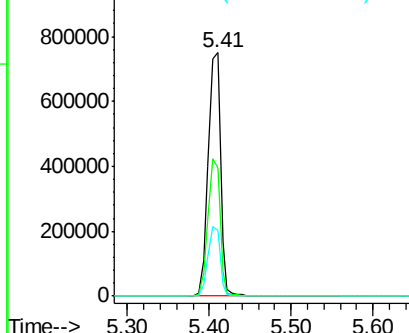


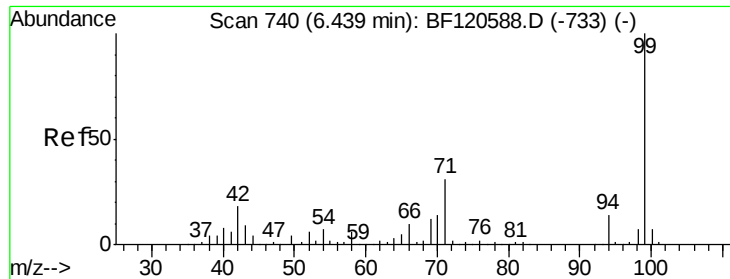
#5
 2-Fluorophenol
 Concen: 103.886 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF120689.D
 Acq: 22 Jun 2020 21:35

Tgt Ion:112 Resp: 786933
 Ion Ratio Lower Upper
 112 100
 64 52.8 46.1 69.1
 63 26.8 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: 105.174 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SB-19

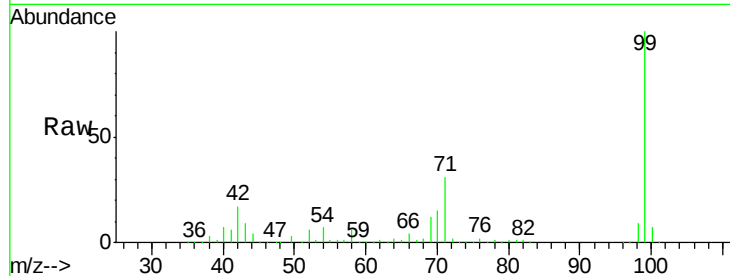
Tot Ion: 99 Resp: 992276

Ion Ratio Lower Upper

99 100

42 17.2 14.0 21.0

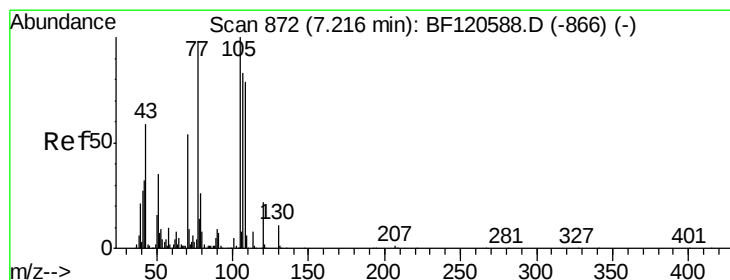
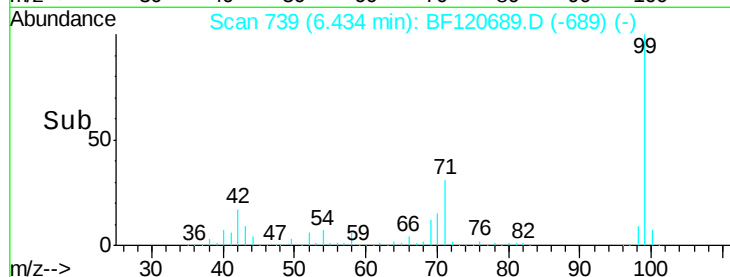
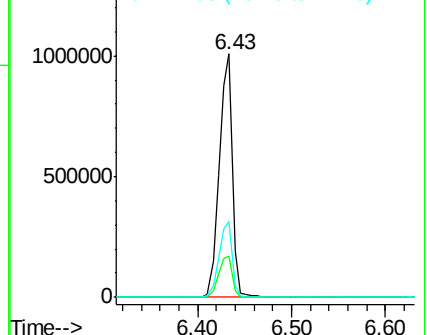
71 31.3 24.9 37.3



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: 14.281 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Tgt Ion: 70 Resp: 78157

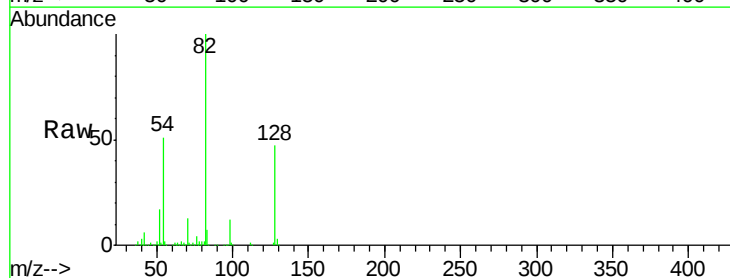
Ion Ratio Lower Upper

70 100

42 47.1 47.7 71.5#

101 0.0 7.6 11.4#

130 2.6 16.7 25.1#

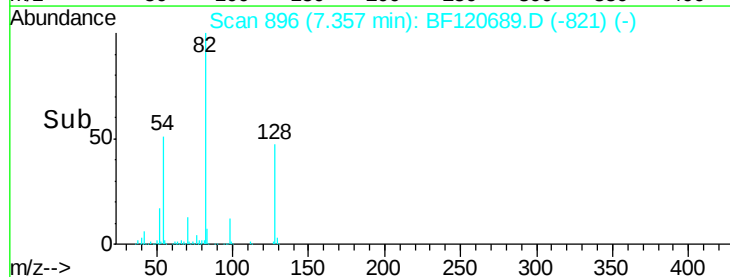
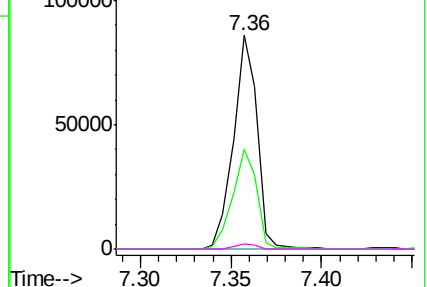


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

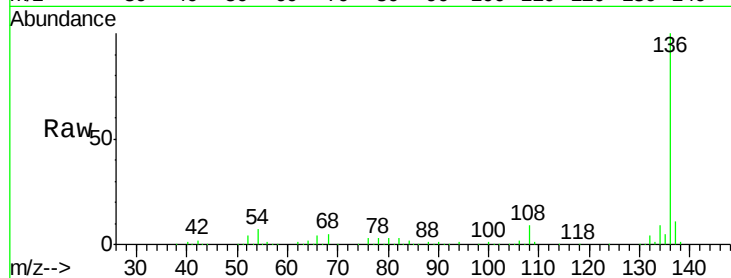




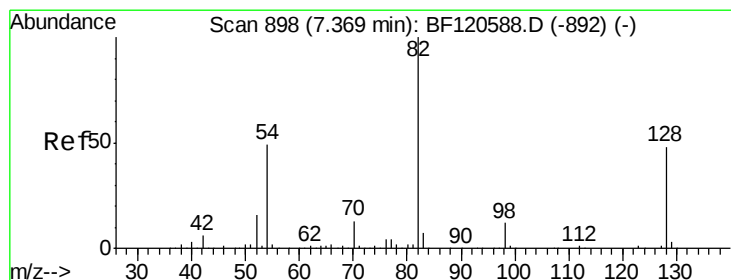
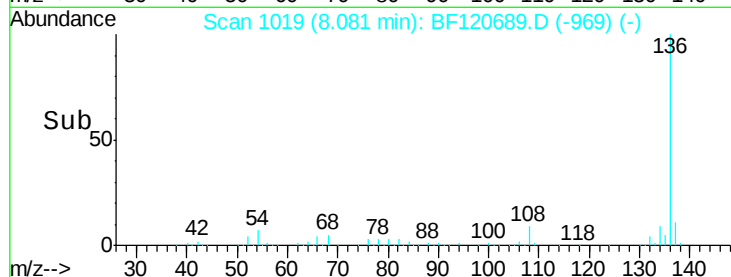
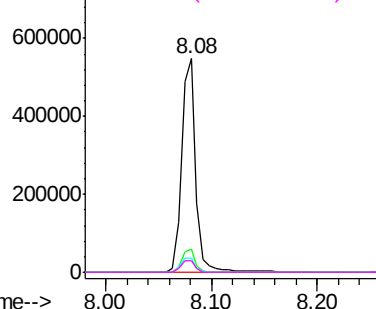
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120689.D
Acq: 22 Jun 2020 21:35

Instrument :
BNA_F
ClientSampleId :
SB-19

Tot Ion:136 Resp: 513435
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.6 5.8 8.6
68 5.2 4.4 6.6

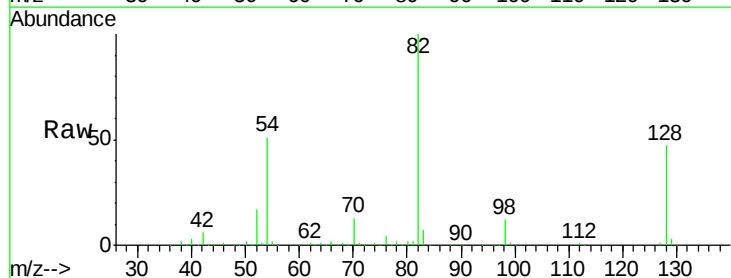


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

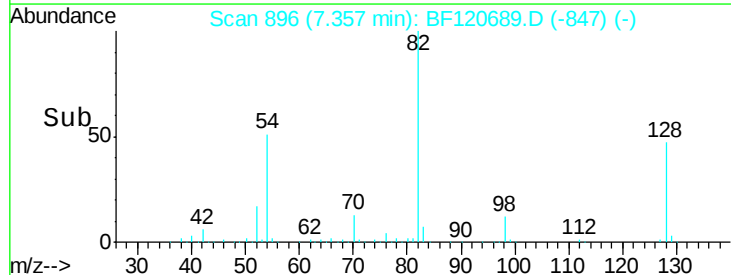
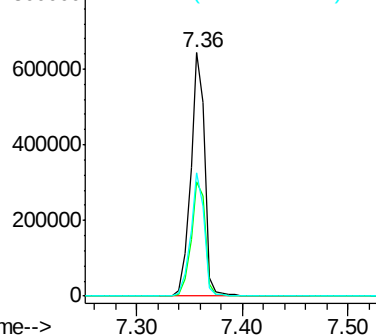


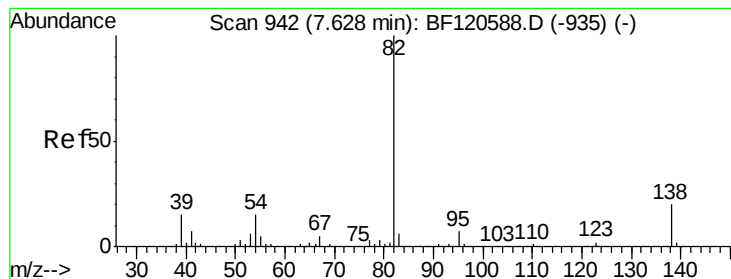
#23
Nitrobenzene-d5
Concen: 65.981 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120689.D
Acq: 22 Jun 2020 21:35

Tgt Ion: 82 Resp: 606060
Ion Ratio Lower Upper
82 100
128 47.0 38.0 57.0
54 50.7 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: 33.653 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampled :

SB-19

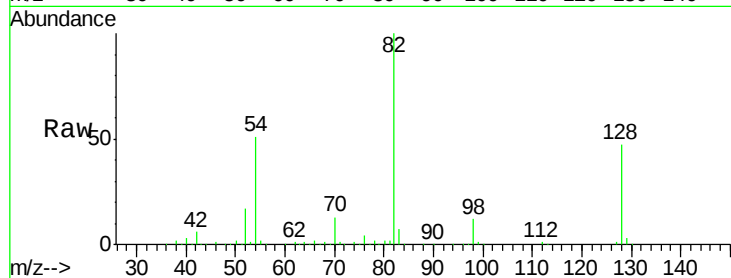
Tot Ion: 82 Resp: 602150

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

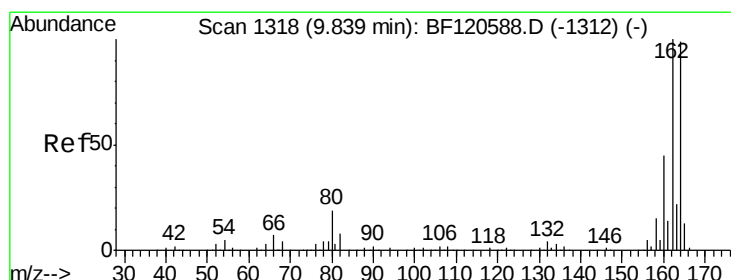
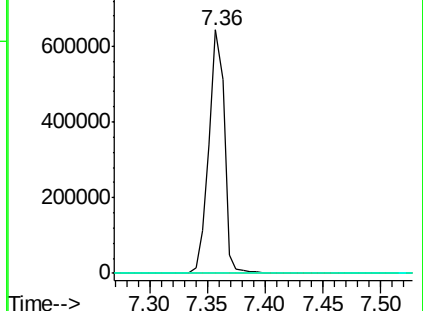
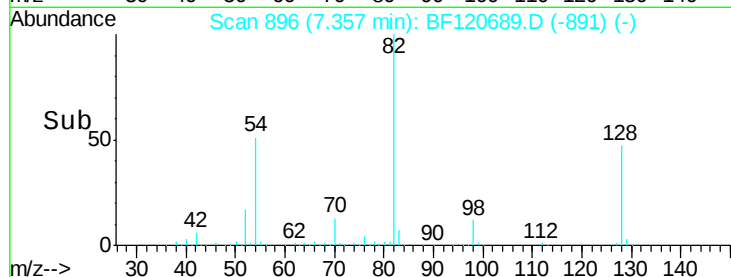
138 0.0 16.2 24.4#



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: BF120689.D

Acq: 22 Jun 2020 21:35

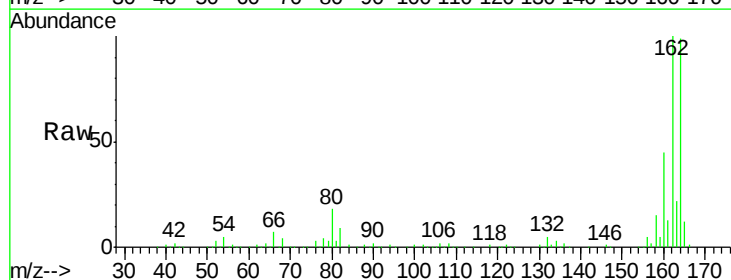
Tgt Ion: 164 Resp: 247306

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

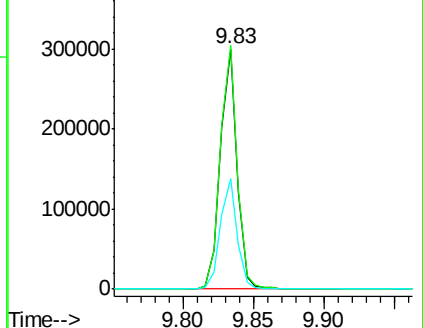
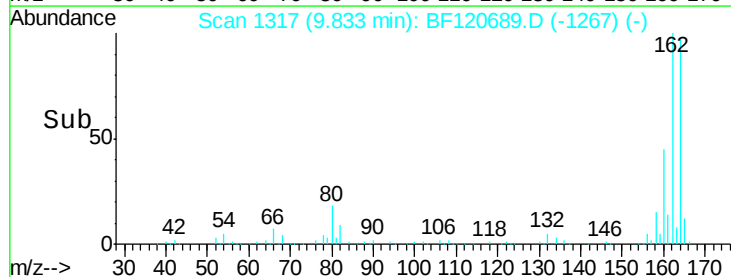
160 45.9 36.2 54.2

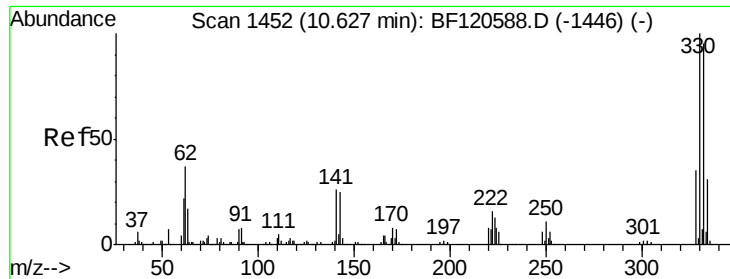


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 115.148 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

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ClientSampleId :

SB-19

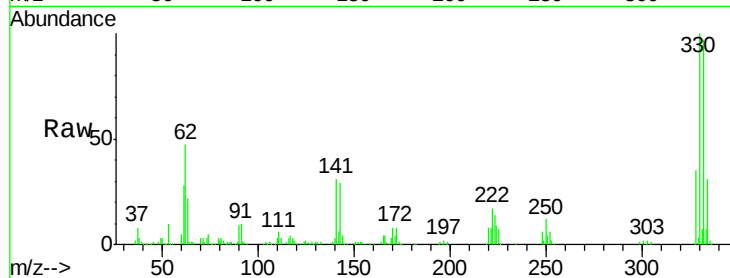
Tot Ion:330 Resp: 331083

Ion Ratio Lower Upper

330 100

332 95.6 76.8 115.2

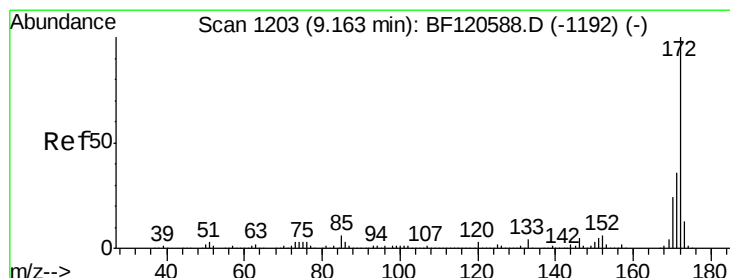
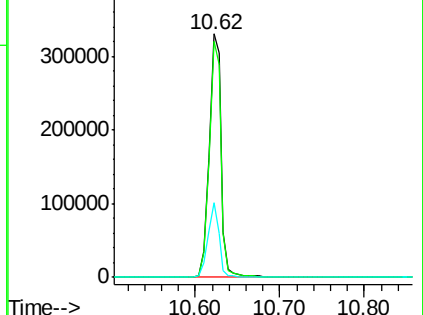
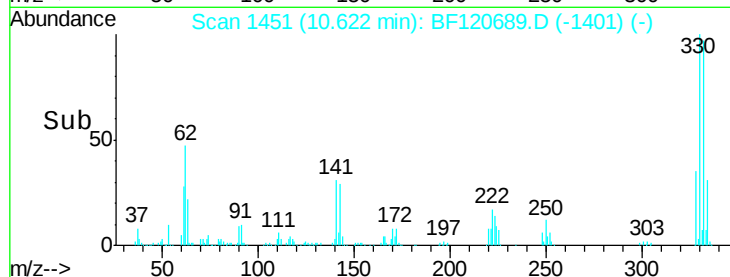
141 28.0 23.2 34.8



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: 69.767 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

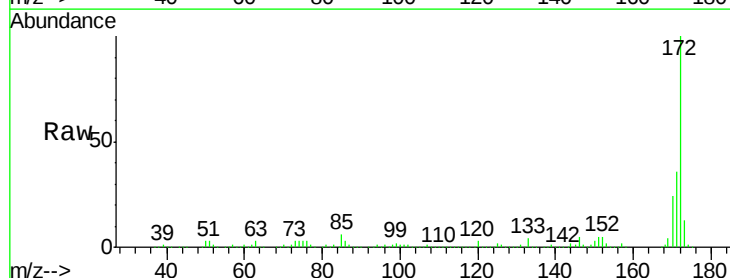
Tgt Ion:172 Resp: 1127711

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

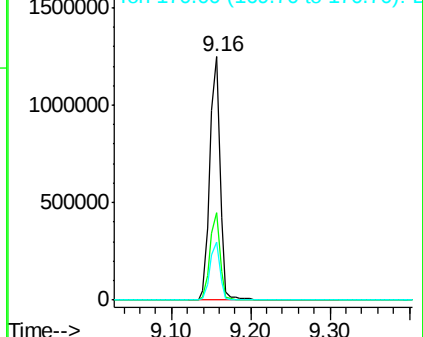
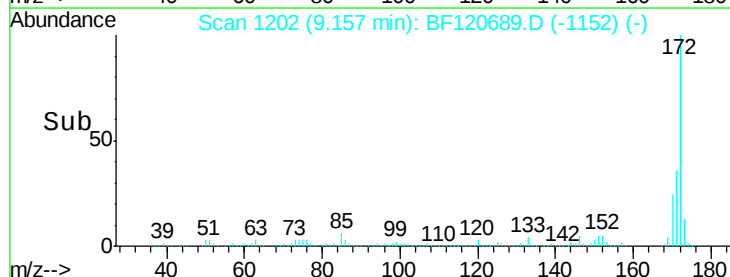
170 23.7 19.4 29.2

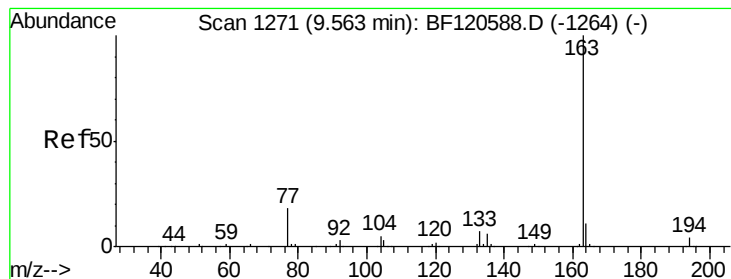


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.669 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120689.D

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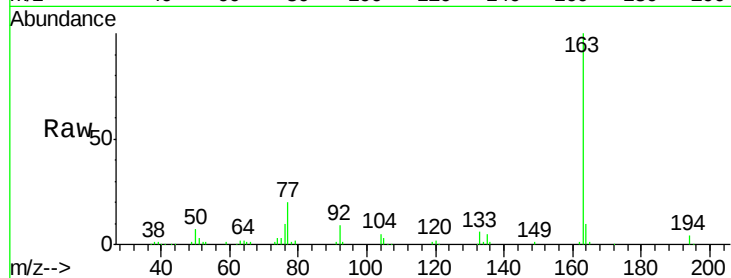
Tot Ion:163 Resp: 136588

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

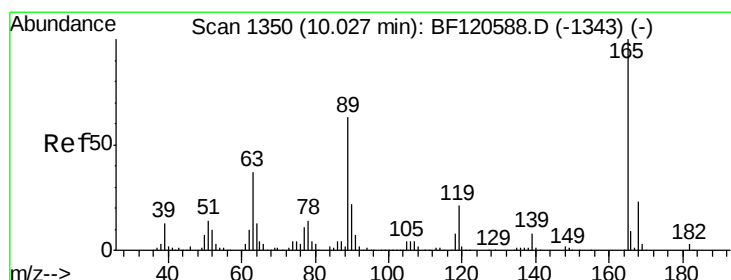
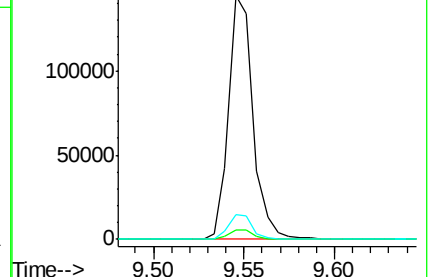
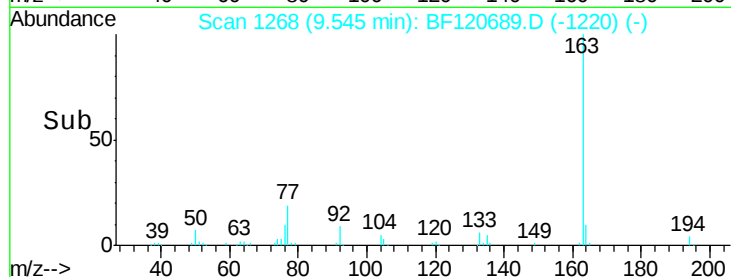
164 10.0 8.5 12.7



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: 5.898 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Tgt Ion:165 Resp: 31589

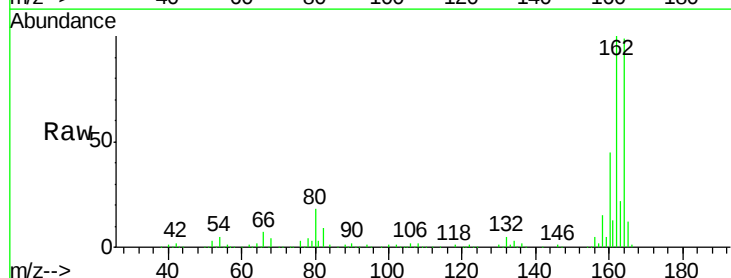
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.8#

89 1.0 50.4 75.6#

182 0.0 2.1 3.1#

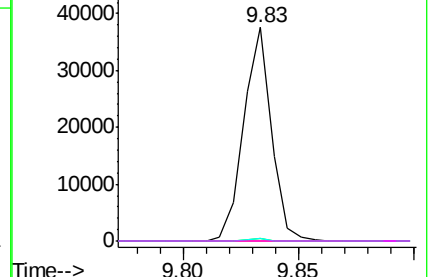
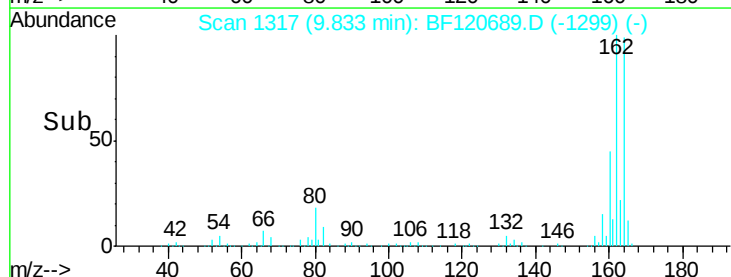


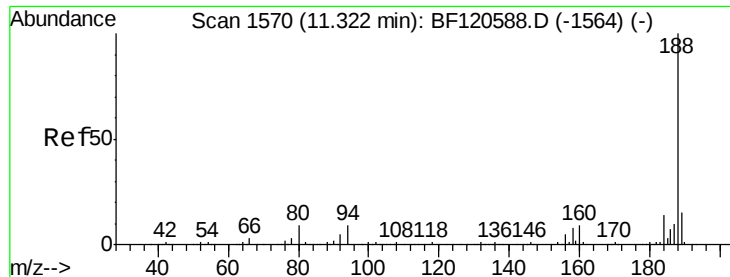
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

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SB-19

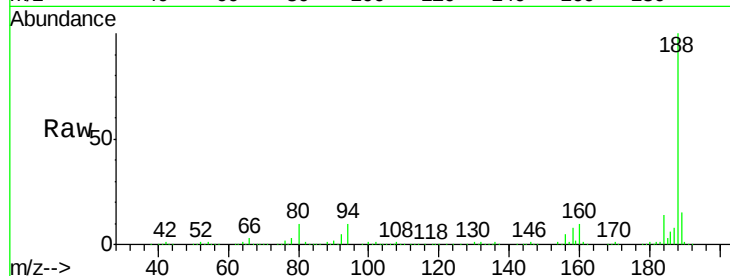
Tot Ion:188 Resp: 515410

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

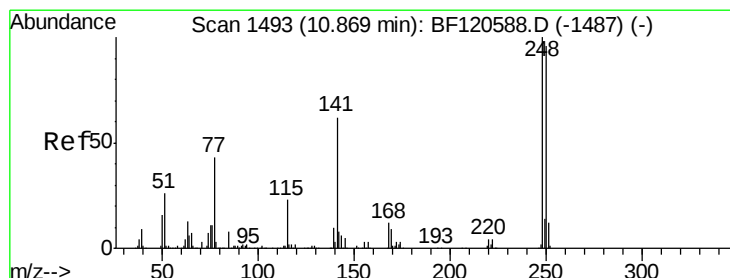
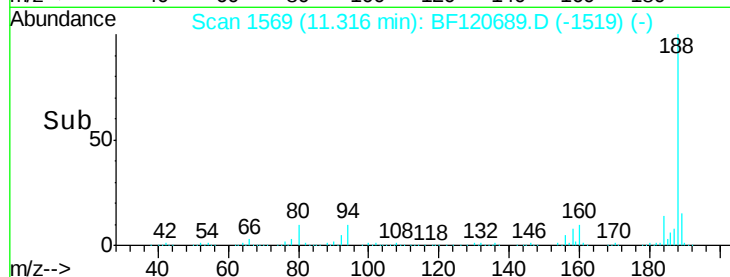
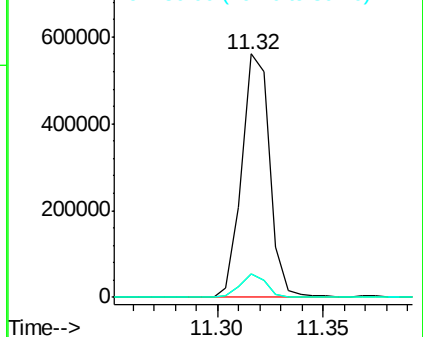
80 9.9 7.4 11.2



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: 3.209 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

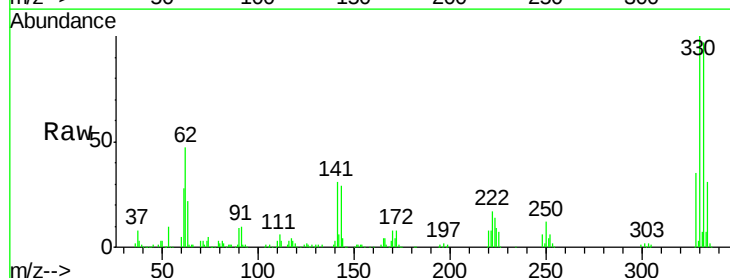
Tgt Ion:248 Resp: 18773

Ion Ratio Lower Upper

248 100

250 189.4 76.7 115.1#

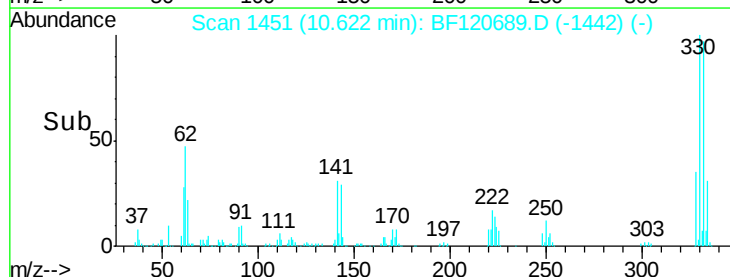
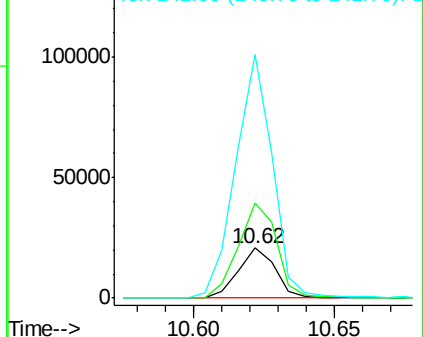
141 487.3 49.4 74.0#

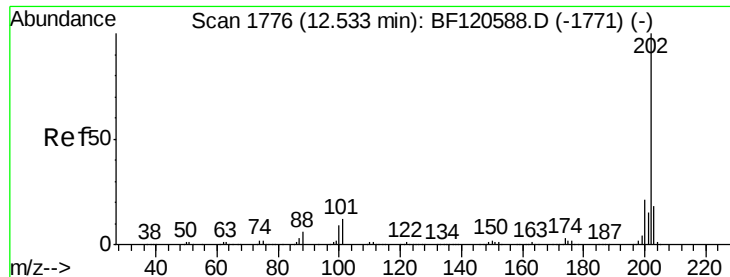


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 4.014 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SB-19

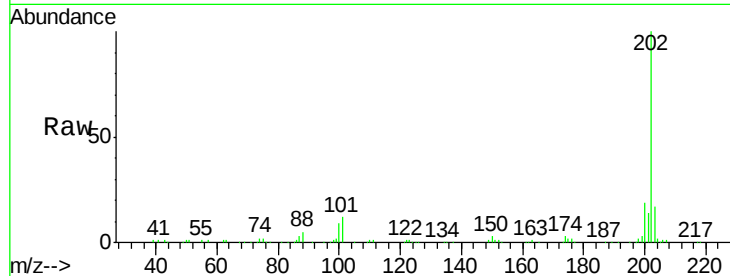
Tot Ion:202 Resp: 117583

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.0

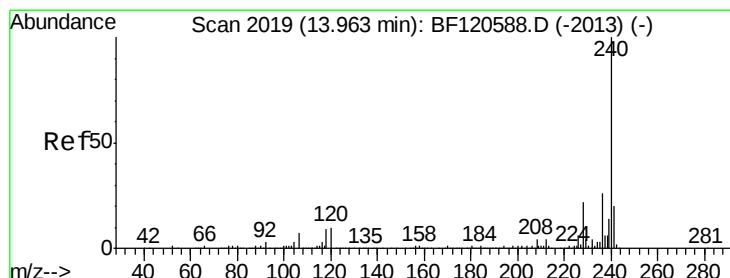
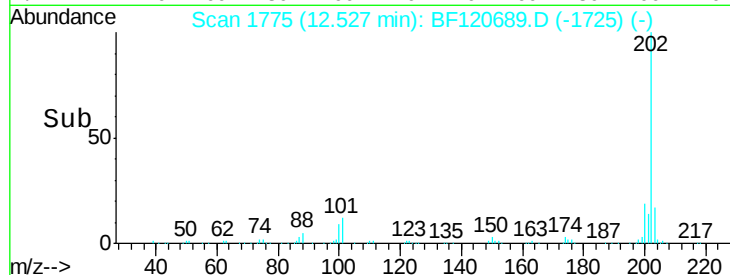
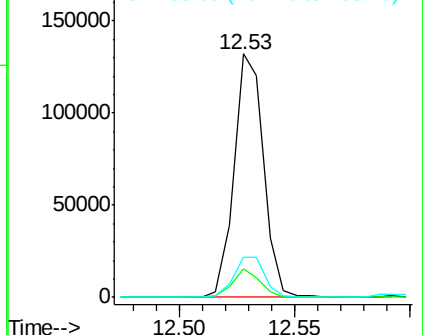
203 16.7 0.0 38.3



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: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

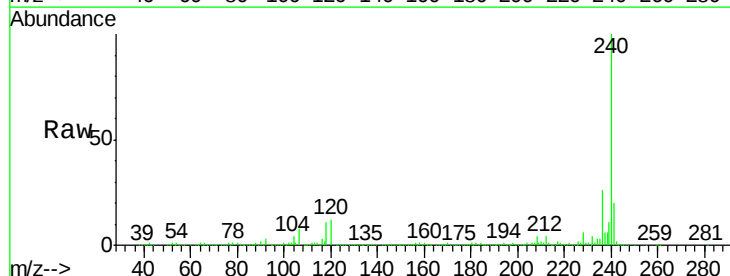
Tgt Ion:240 Resp: 521695

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

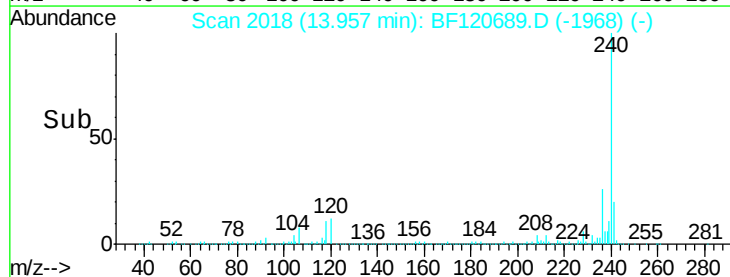
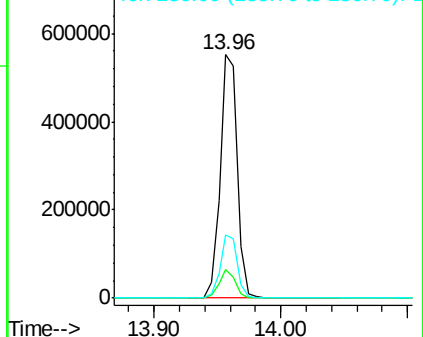
236 26.1 21.0 31.4

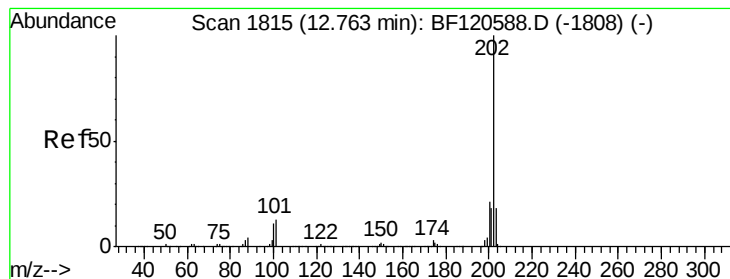


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.997 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SB-19

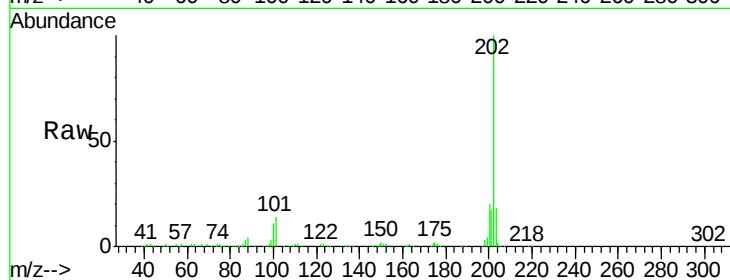
Tot Ion:202 Resp: 147727

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

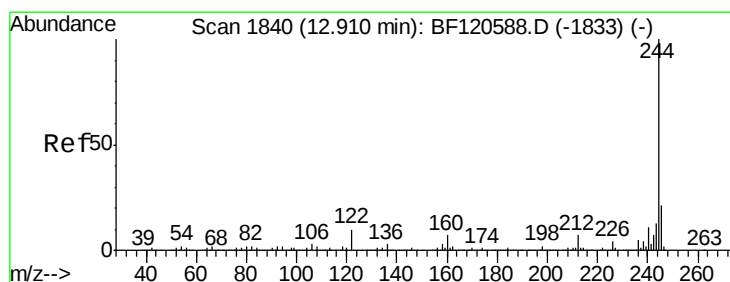
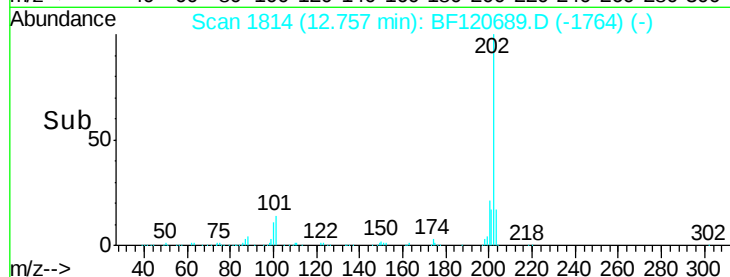
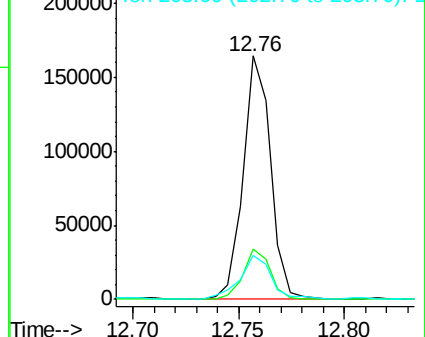
203 17.8 14.3 21.5



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: 70.622 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

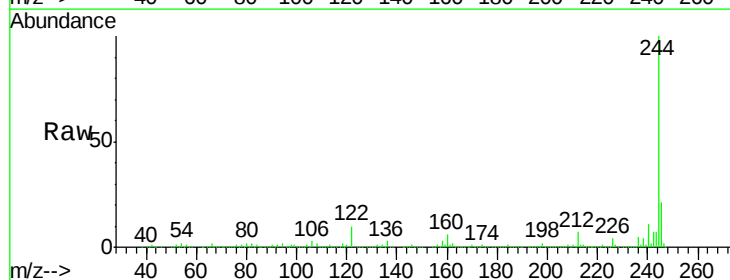
Tgt Ion:244 Resp: 1667954

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

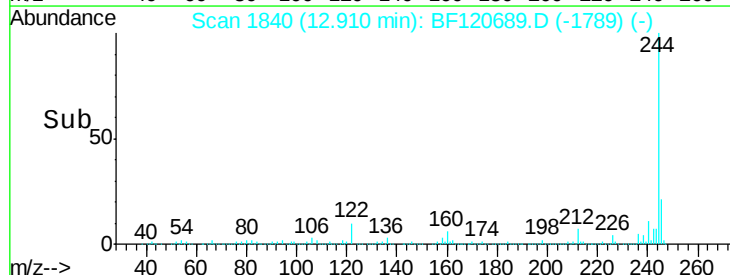
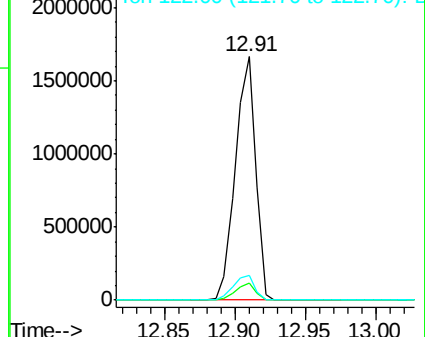
122 10.3 8.3 12.5

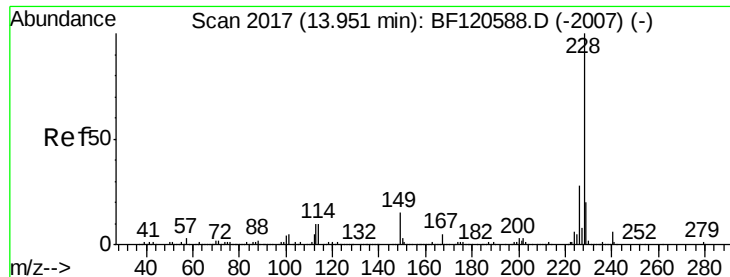


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.596 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampled :

SB-19

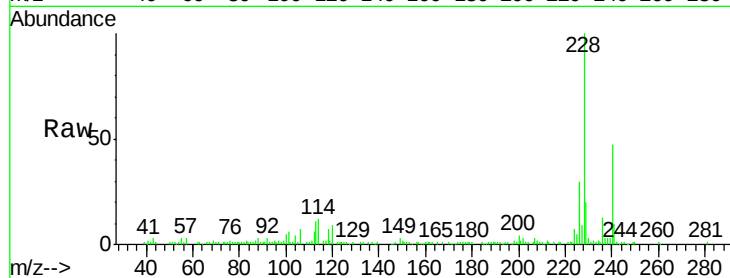
Tot Ion:228 Resp: 81354

Ion Ratio Lower Upper

228 100

226 29.7 22.5 33.7

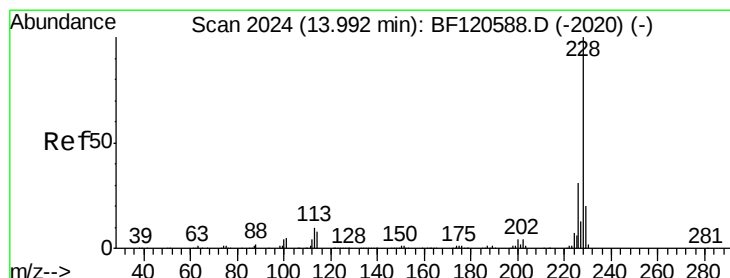
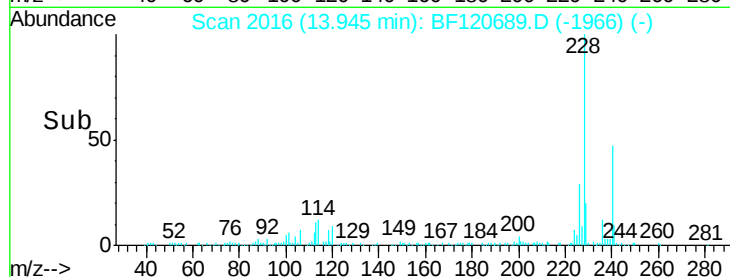
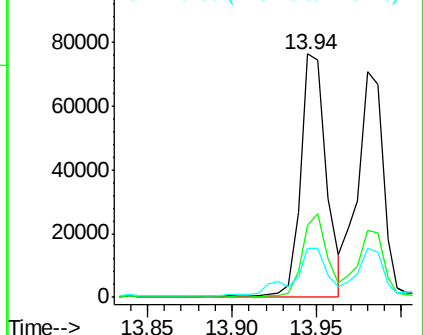
229 20.3 16.1 24.1



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



#83

Chrysene

Concen: 2.329 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

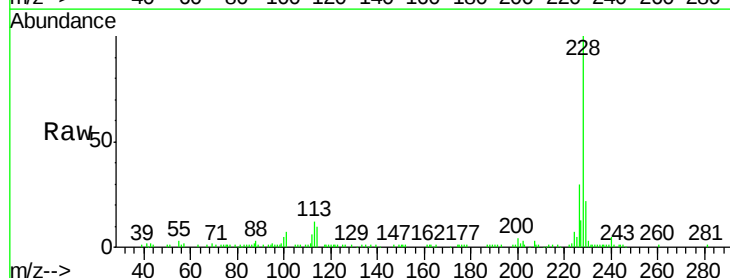
Tgt Ion:228 Resp: 74869

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

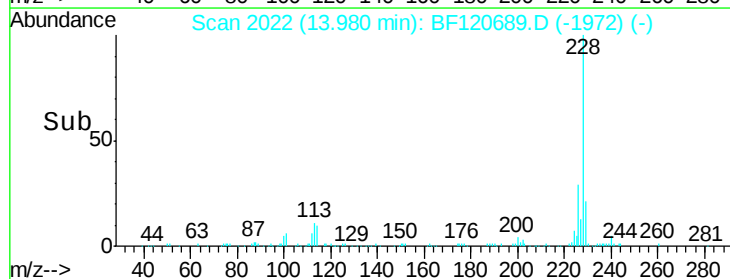
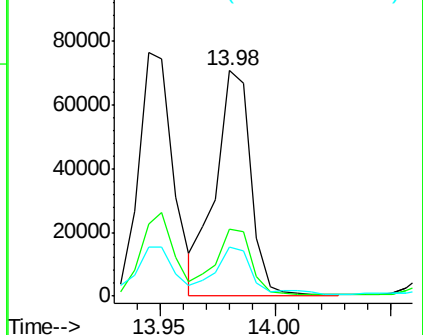
229 21.7 16.1 24.1

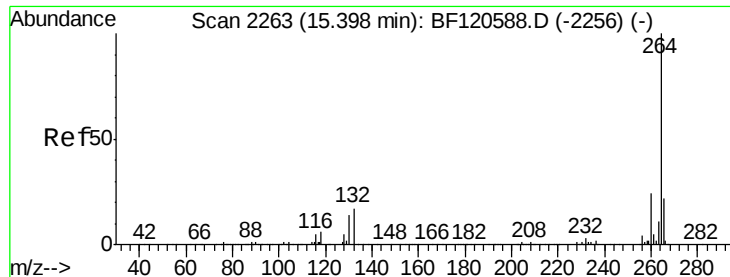


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

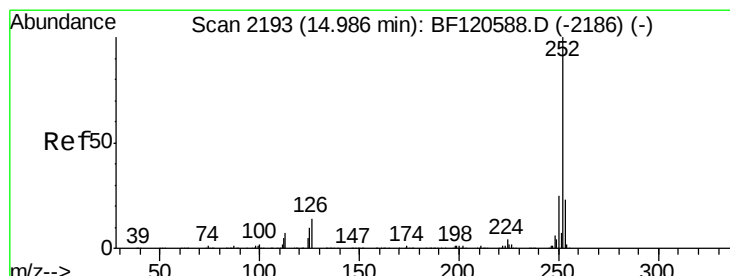
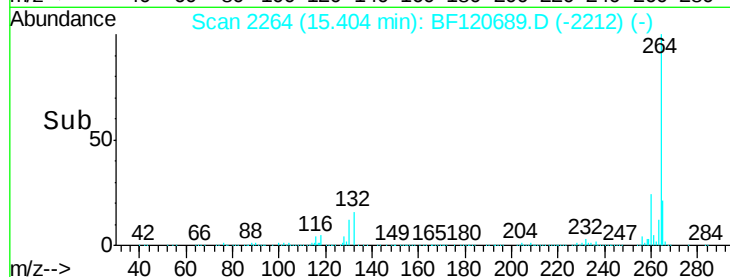
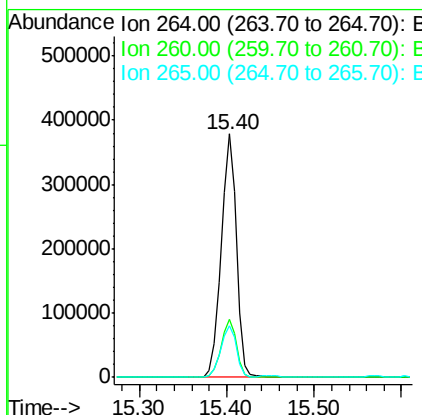
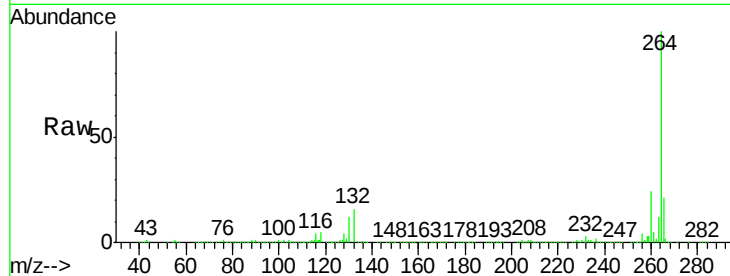




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120689.D
Acq: 22 Jun 2020 21:35

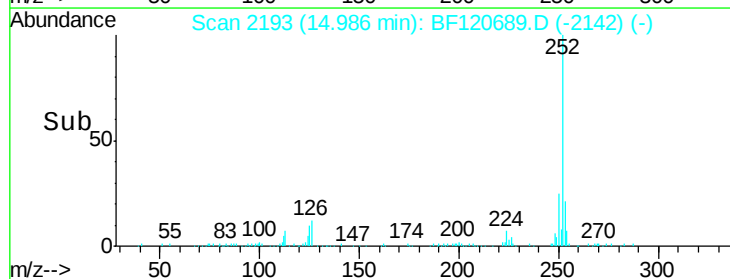
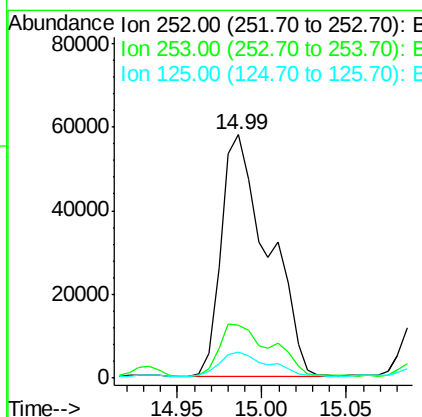
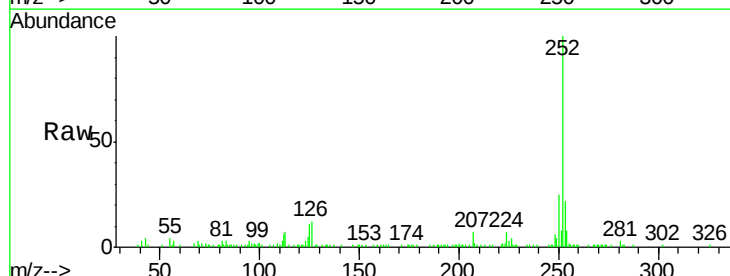
Instrument :
BNA_F
ClientSampled :
SB-19

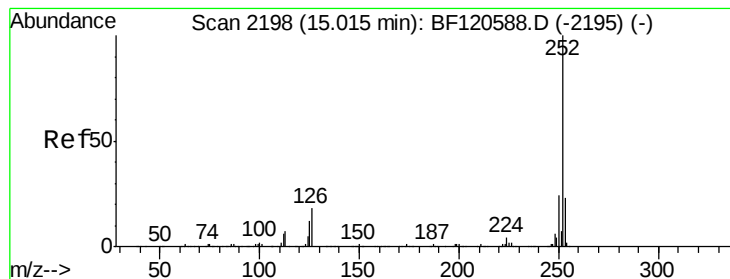
Tot Ion:264 Resp: 460201
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.4 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 4.070 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120689.D
Acq: 22 Jun 2020 21:35

Tgt Ion:252 Resp: 111583
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 10.6 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 4.600 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.03 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

Instrument :

BNA_F

ClientSampleId :

SB-19

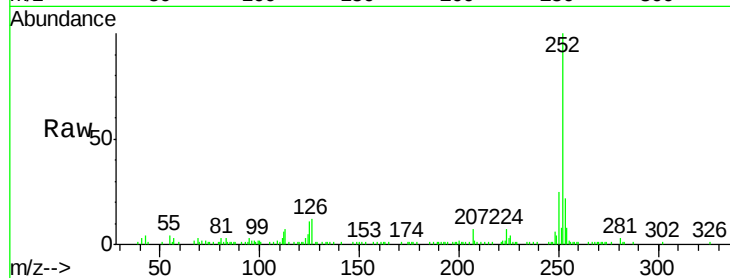
Tot Ion:252 Resp: 111583

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

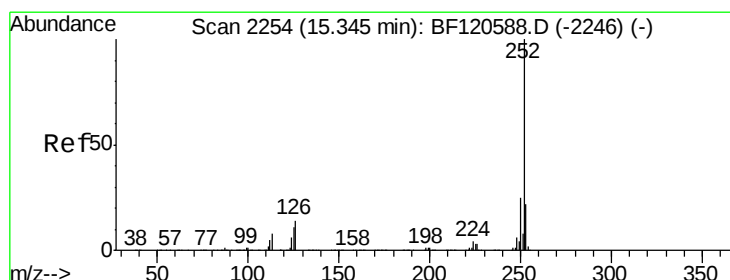
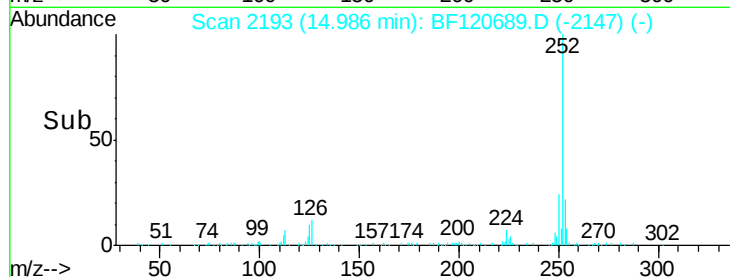
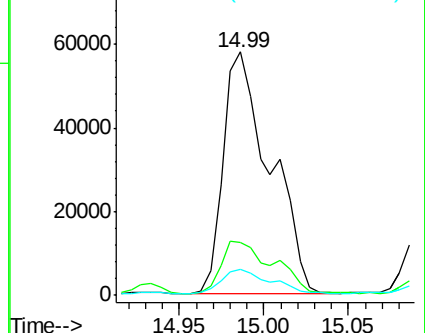
125 10.6 8.3 12.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.630 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BF120689.D

Acq: 22 Jun 2020 21:35

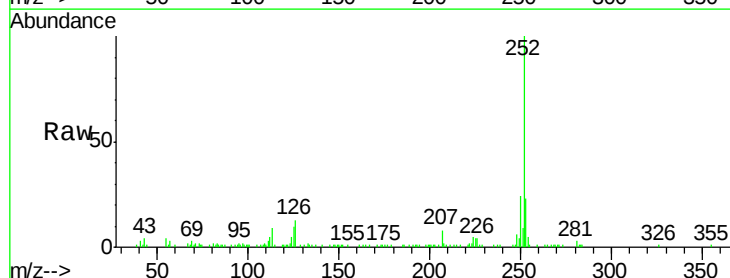
Tgt Ion:252 Resp: 64526

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 10.3 8.6 12.8



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

