

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120645.D
 Acq On : 18 Jun 2020 16:43
 Operator : JU/CG
 Sample : L3046-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ISS-B-C

Quant Time: Jun 18 18:35:06 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	115082	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	412171	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	263928	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	455228	20.00	ng	0.00
76) Chrysene-d12	13.96	240	362253	20.00	ng	0.00
86) Perylene-d12	15.40	264	442010	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	528886	78.79	ng	0.00
7) Phenol-d6	6.43	99	788387	94.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	435995	59.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	205201	66.87	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	889659	51.57	ng	0.00
79) Terphenyl-d14	12.90	244	1056356	64.41	ng	0.00

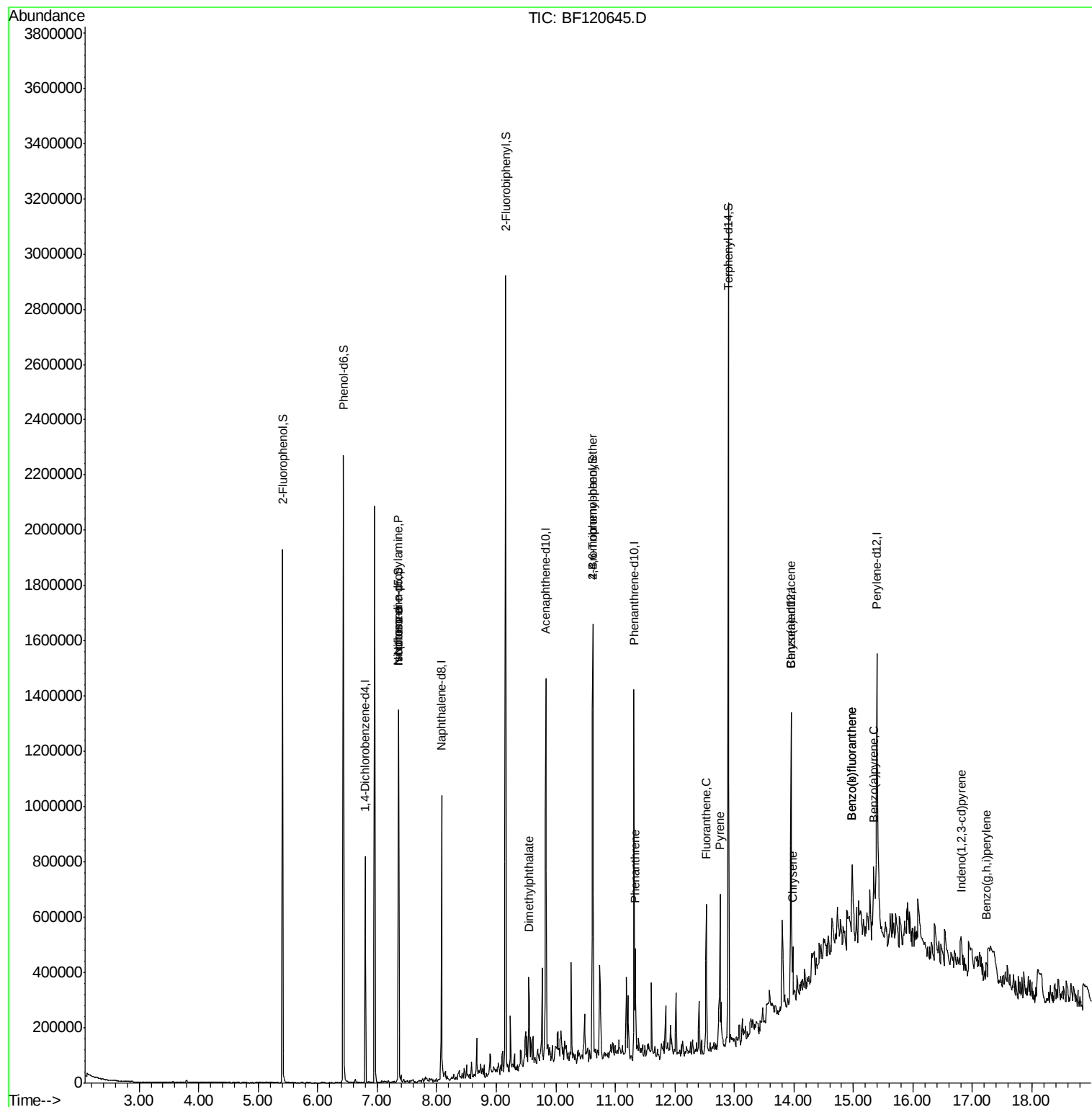
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	56883	11.730	ng	# 78
25) Isophorone	7.36	82	435990	30.353	ng	# 62
50) Dimethylphthalate	9.55	163	90007	4.735	ng	99
67) 4-Bromophenyl-phenylether	10.62	248	12091	2.340	ng	# 1
71) Phenanthrene	11.34	178	131364	5.805	ng	98
75) Fluoranthene	12.53	202	204602	7.908	ng	97
78) Pyrene	12.76	202	214699	8.366	ng	98
81) Benzo(a)anthracene	13.94	228	81870	3.762	ng	98
83) Chrysene	13.98	228	90564	4.057	ng	96
87) Indeno(1,2,3-cd)pyrene	16.81	276	54145	2.014	ng	97
88) Benzo(b)fluoranthene	14.98	252	149095	5.663	ng	# 93
89) Benzo(k)fluoranthene	14.98	252	149095	6.399	ng	# 93
90) Benzo(a)pyrene	15.33	252	76477	3.246	ng	# 92
92) Benzo(g,h,i)perylene	17.24	276	48023	2.210	ng	98

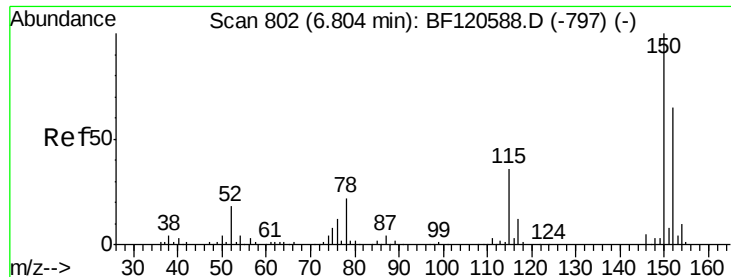
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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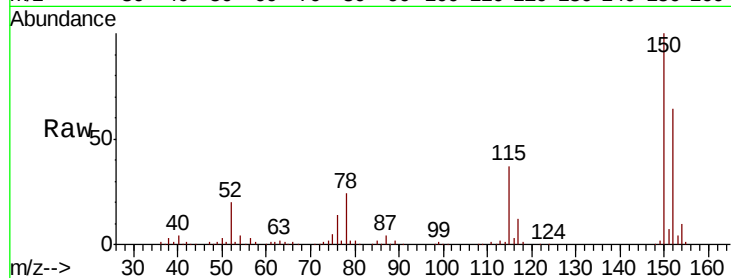


#1

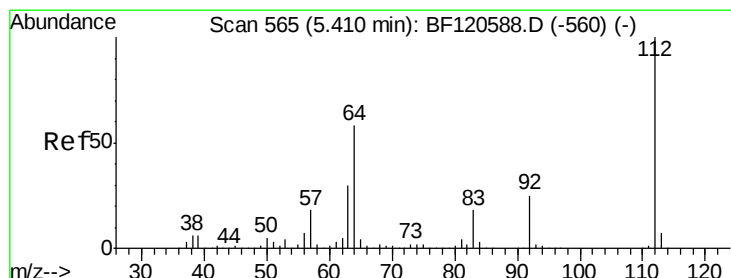
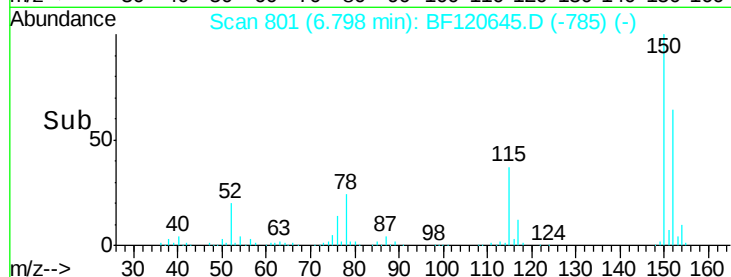
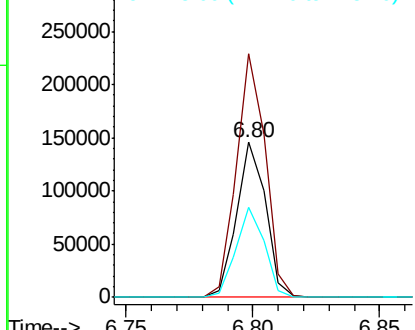
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

Instrument :
BNA_F
ClientSampleId :
ISS-B-C

Tot Ion:152 Resp: 115082
Ion Ratio Lower Upper
152 100
150 157.3 123.2 184.8
115 58.1 43.9 65.9



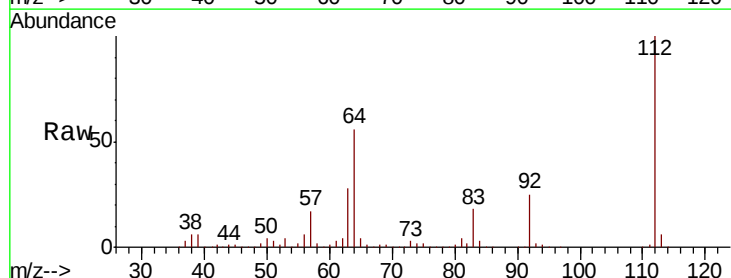
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



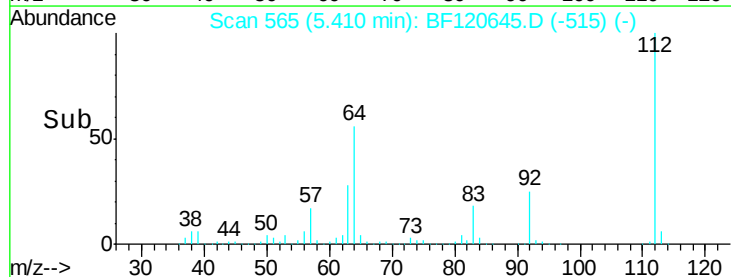
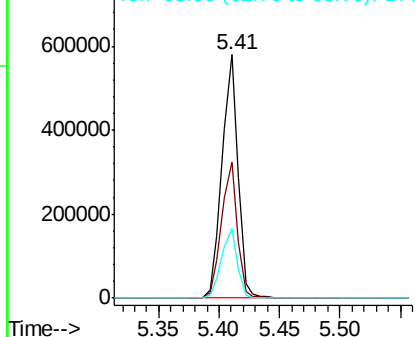
#5

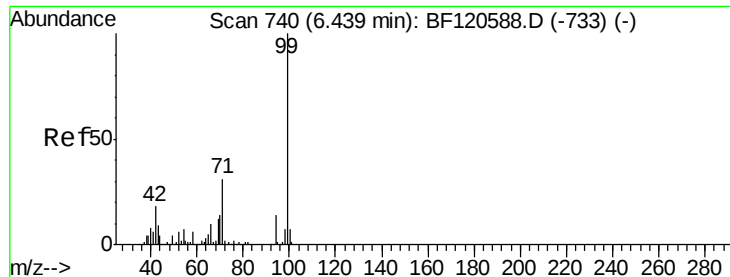
2-Fluorophenol
Concen: 78.792 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

Tgt Ion:112 Resp: 528886
Ion Ratio Lower Upper
112 100
64 55.8 46.1 69.1
63 28.3 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: 94.301 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampled :

ISS-B-C

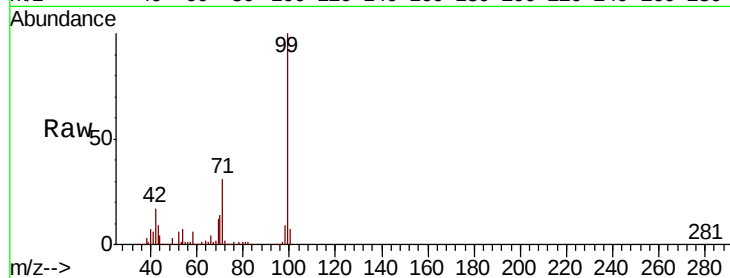
Tot Ion: 99 Resp: 788387

Ion Ratio Lower Upper

99 100

42 17.2 14.0 21.0

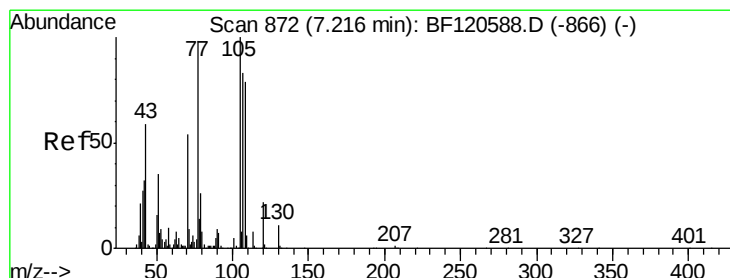
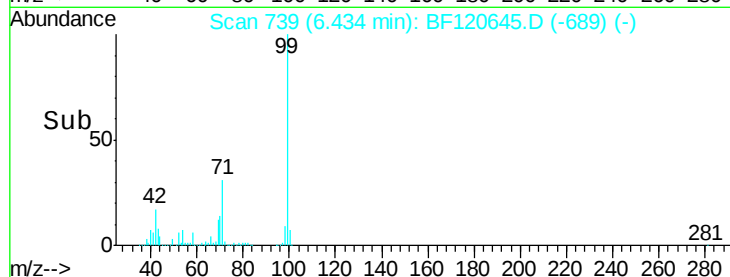
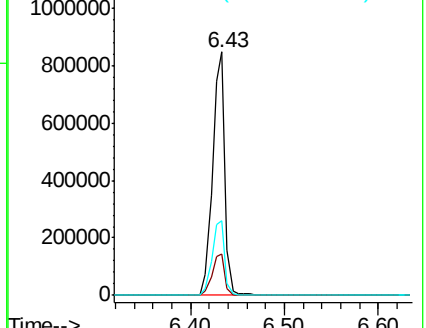
71 30.9 24.9 37.3



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: 11.730 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Tgt Ion: 70 Resp: 56883

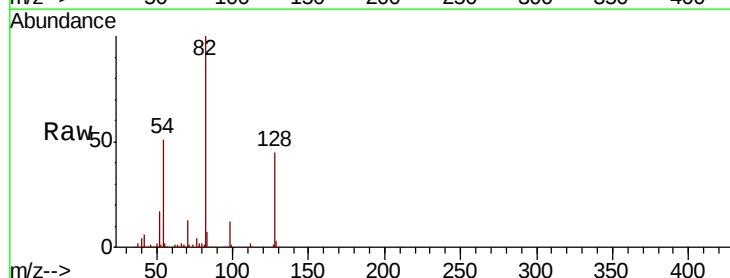
Ion Ratio Lower Upper

70 100

42 47.8 47.7 71.5

101 0.0 7.6 11.4#

130 2.4 16.7 25.1#

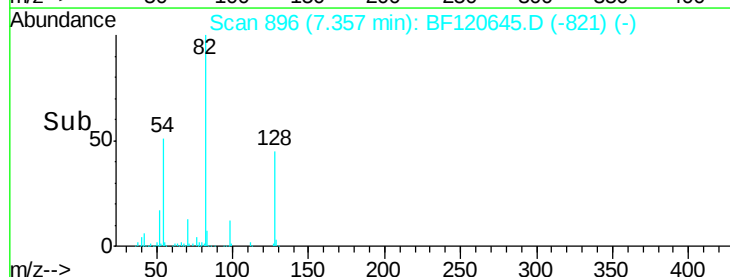
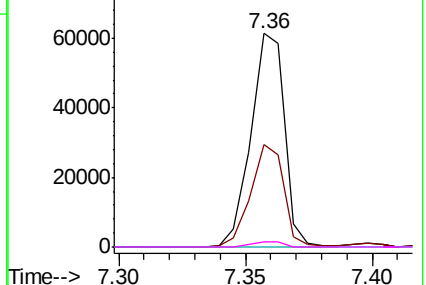


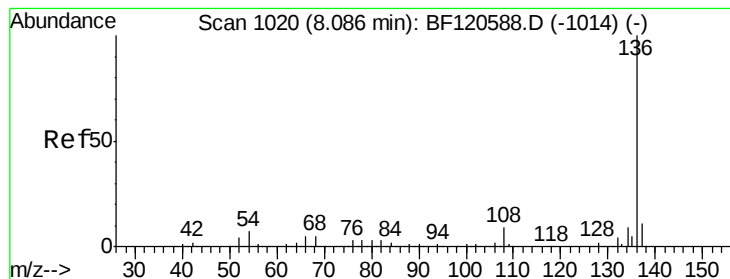
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

Tot Ion:136 Resp: 412171

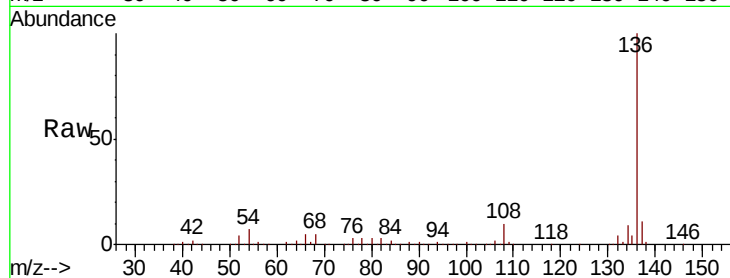
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.2 5.8 8.6

68 5.3 4.4 6.6

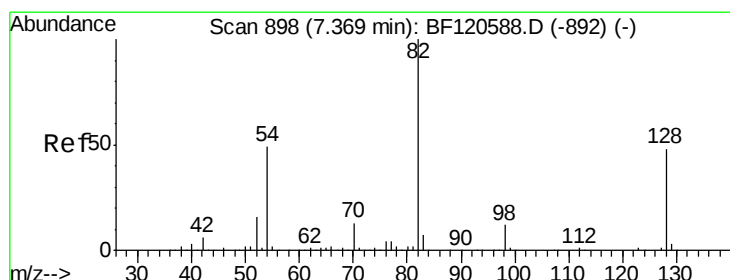
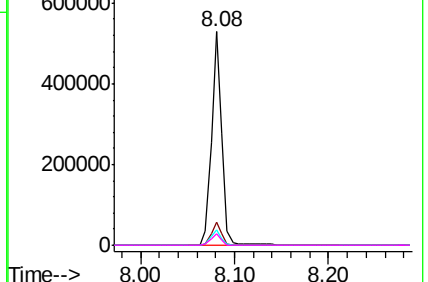
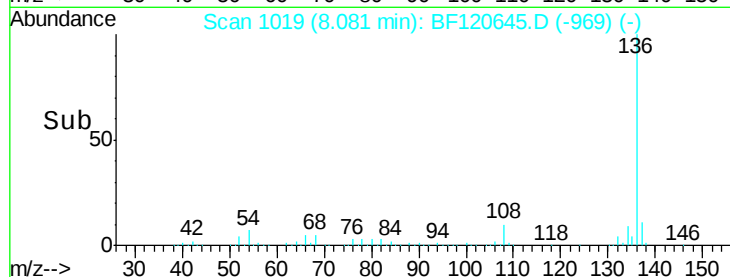


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.128 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

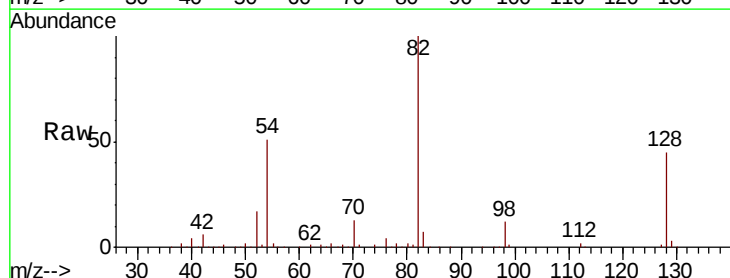
Tgt Ion: 82 Resp: 435995

Ion Ratio Lower Upper

82 100

128 45.3 38.0 57.0

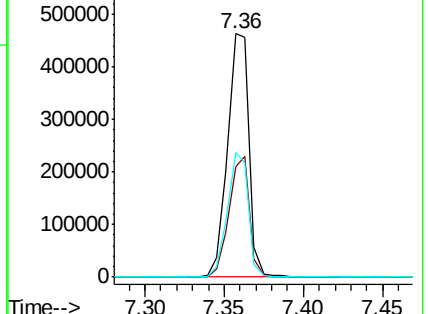
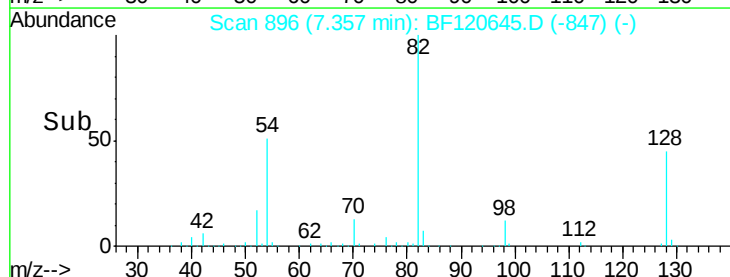
54 51.1 38.8 58.2

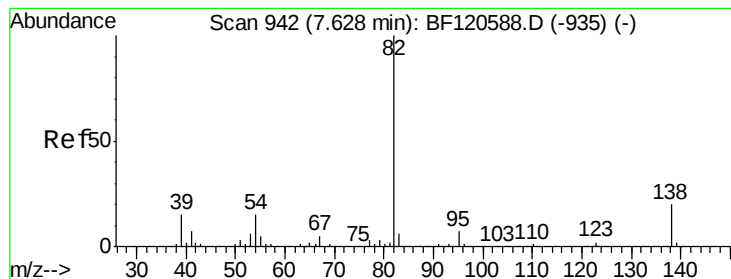


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.353 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

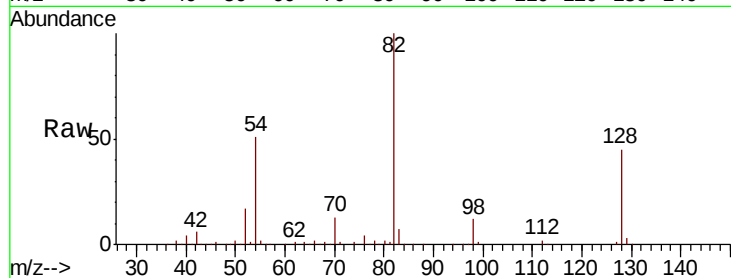
Tot Ion: 82 Resp: 435990

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

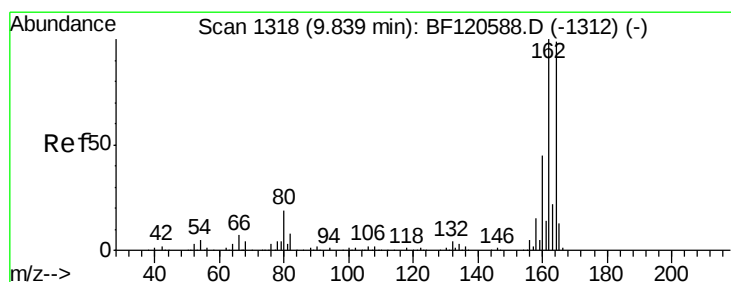
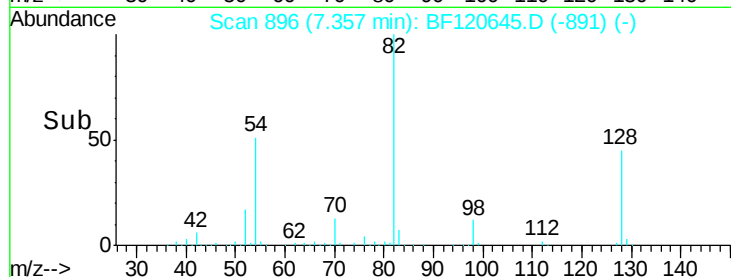
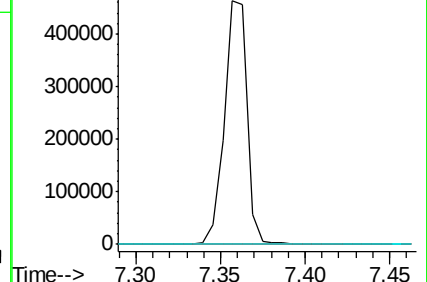
138 0.0 16.2 24.4#



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: BF120645.D

Acq: 18 Jun 2020 16:43

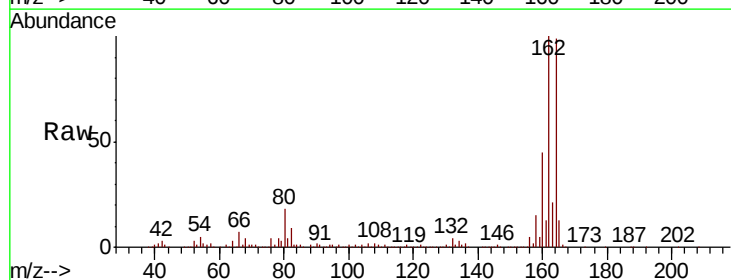
Tgt Ion: 164 Resp: 263928

Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

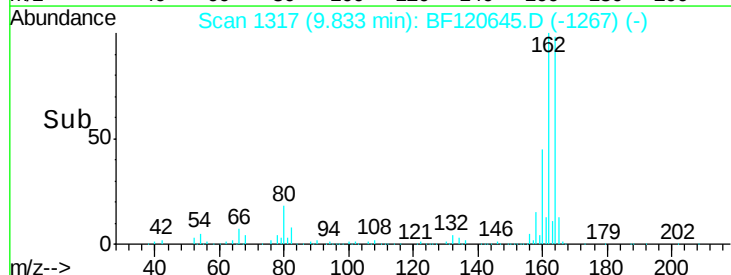
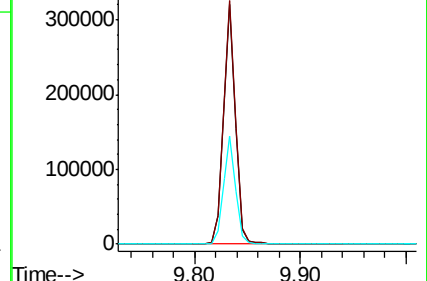
160 45.2 36.2 54.2

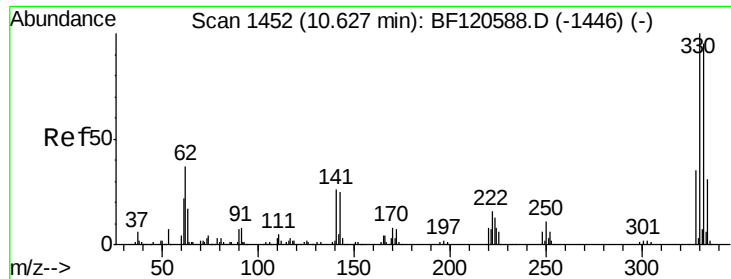


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 66.873 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

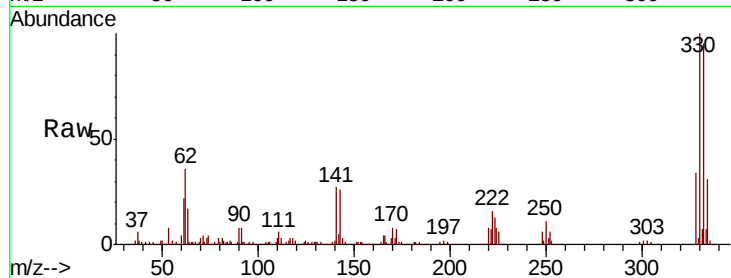
Tot Ion:330 Resp: 205201

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

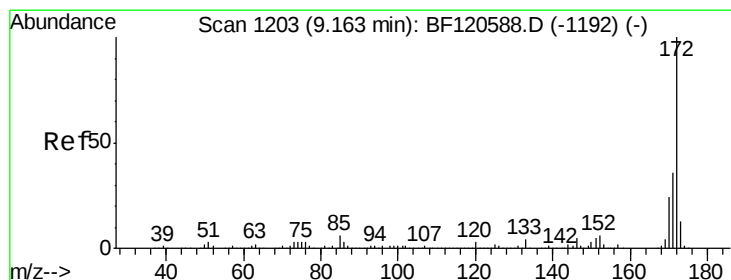
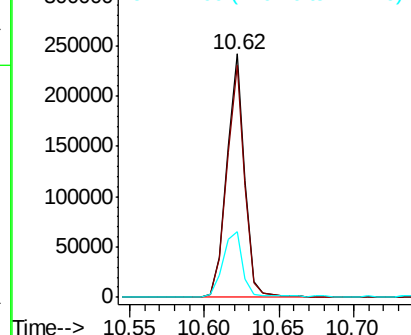
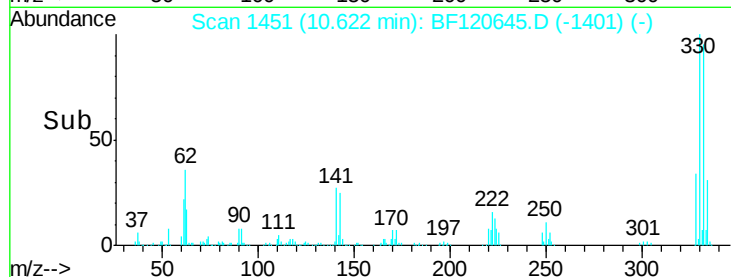
141 28.9 23.2 34.8



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: 51.573 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

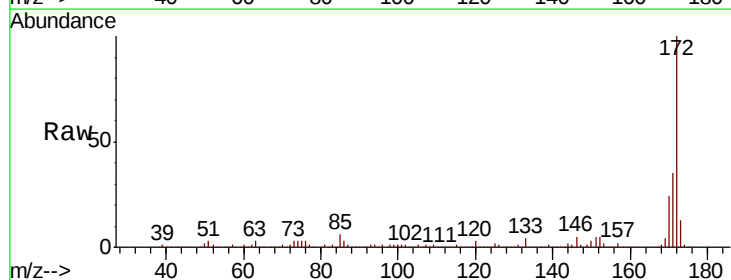
Tgt Ion:172 Resp: 889659

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.4

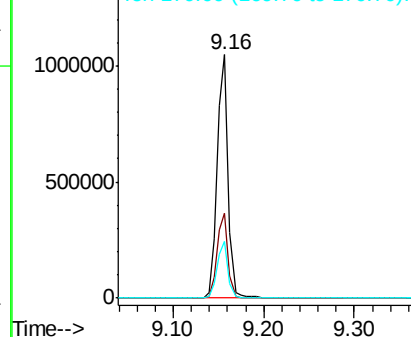
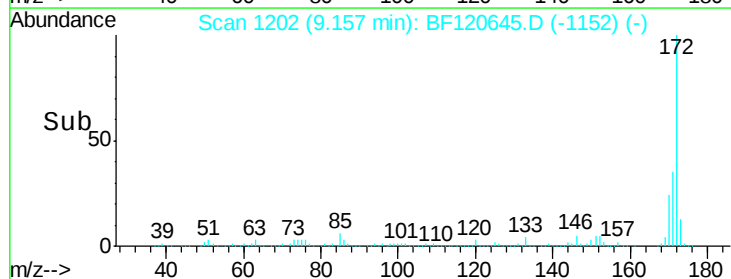
170 23.6 19.4 29.2

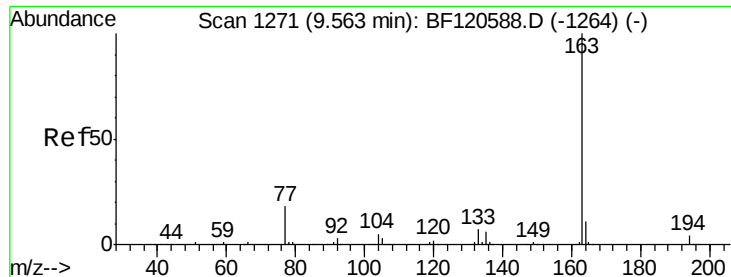


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.735 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

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ISS-B-C

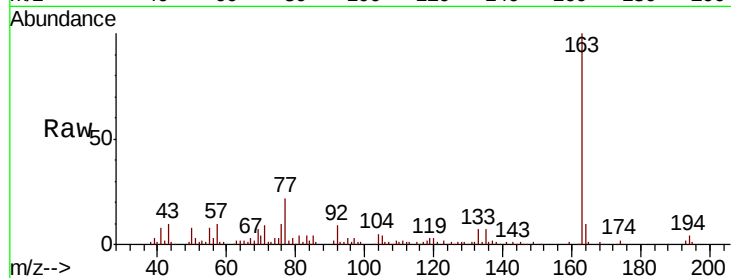
Tot Ion:163 Resp: 90007

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

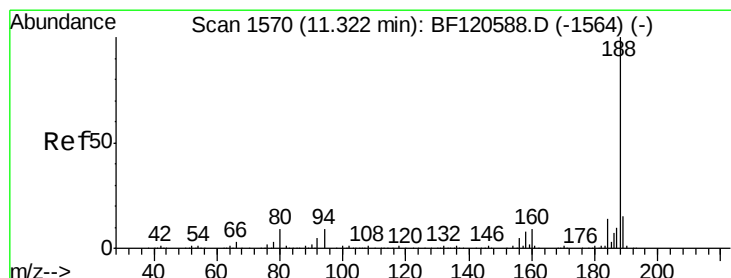
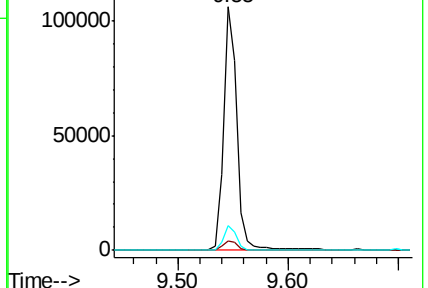
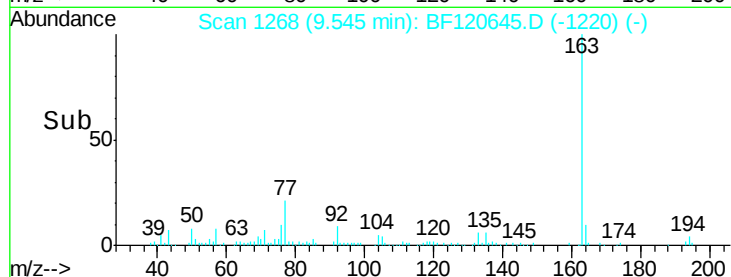
164 10.4 8.5 12.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

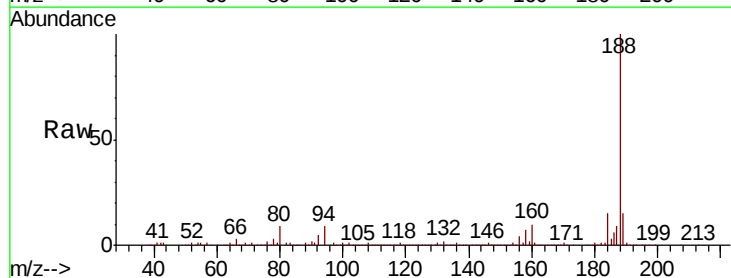
Tgt Ion:188 Resp: 455228

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

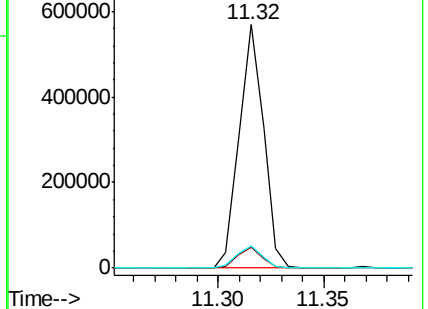
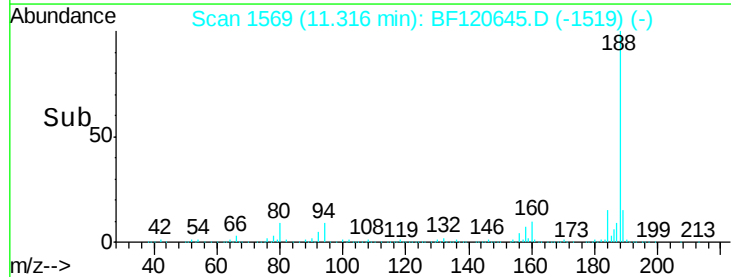
80 9.0 7.4 11.2

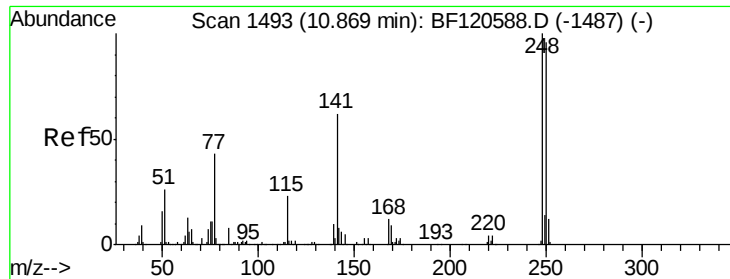


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

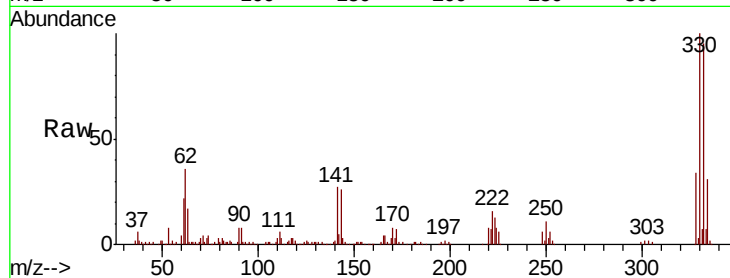




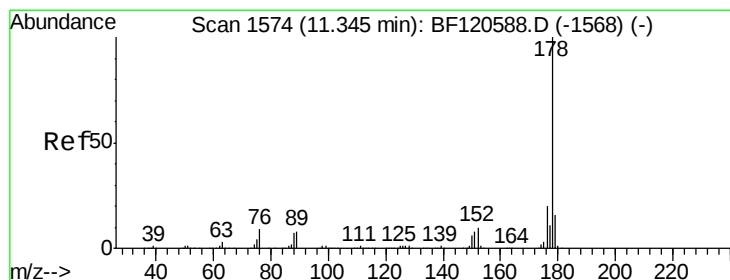
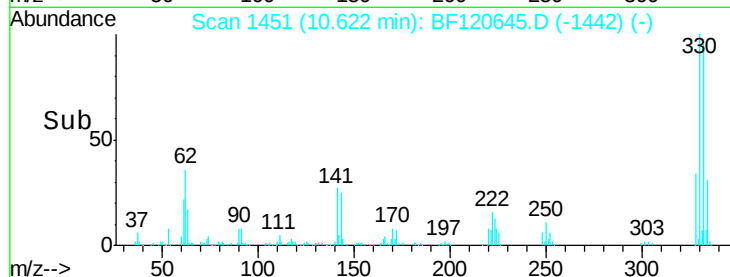
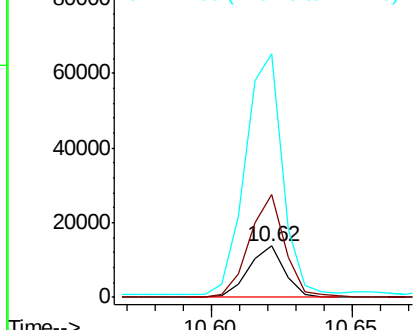
#67
 4-Bromophenyl-phenylether
 Concen: 2.340 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF120645.D
 Acq: 18 Jun 2020 16:43

Instrument :
 BNA_F
 ClientSampleId :
 ISS-B-C

Tot Ion:248 Resp: 12091
 Ion Ratio Lower Upper
 248 100
 250 201.4 76.7 115.1#
 141 476.2 49.4 74.0#

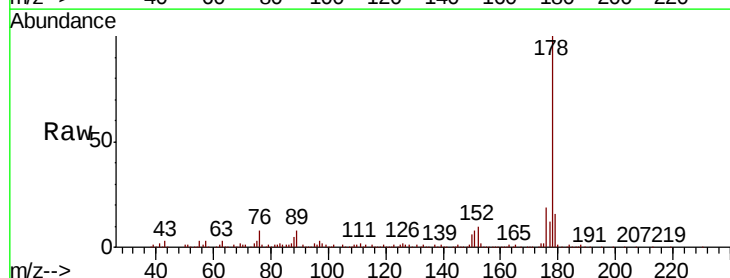


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

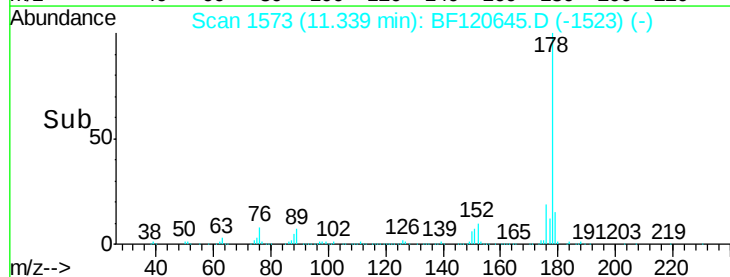
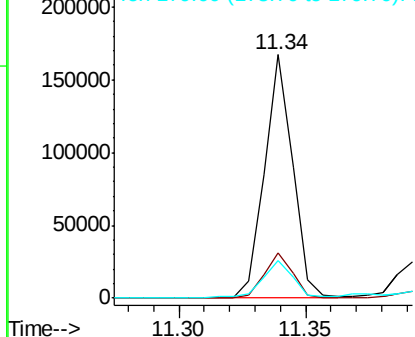


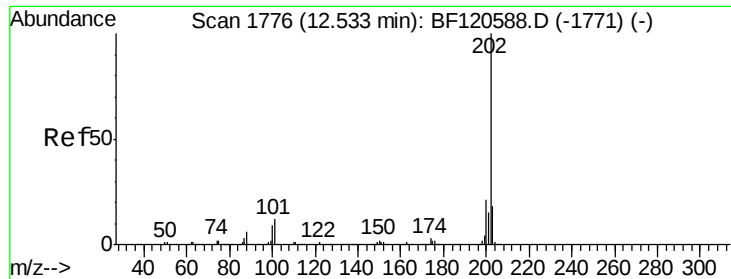
#71
 Phenanthrene
 Concen: 5.805 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF120645.D
 Acq: 18 Jun 2020 16:43

Tgt Ion:178 Resp: 131364
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.9 23.9
 179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.908 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

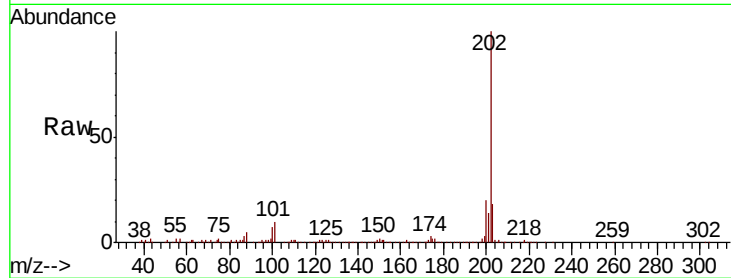
Tot Ion:202 Resp: 204602

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.0

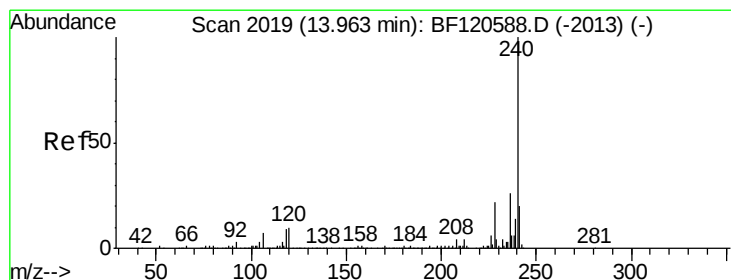
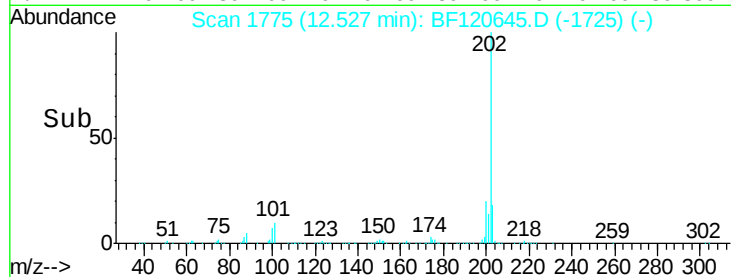
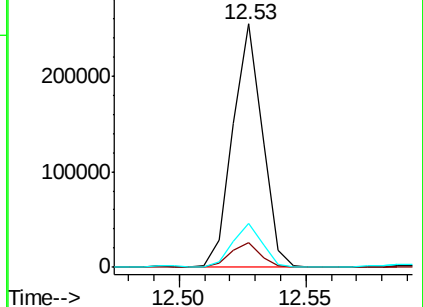
203 17.9 0.0 38.3



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: BF120645.D

Acq: 18 Jun 2020 16:43

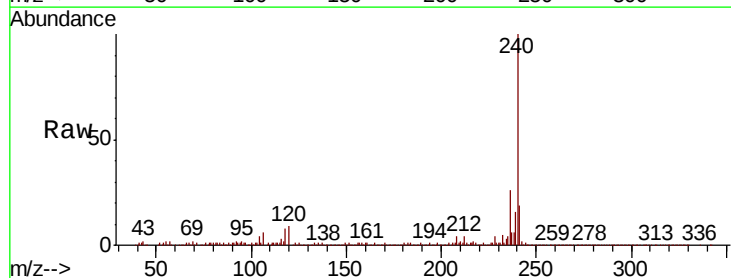
Tgt Ion:240 Resp: 362253

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

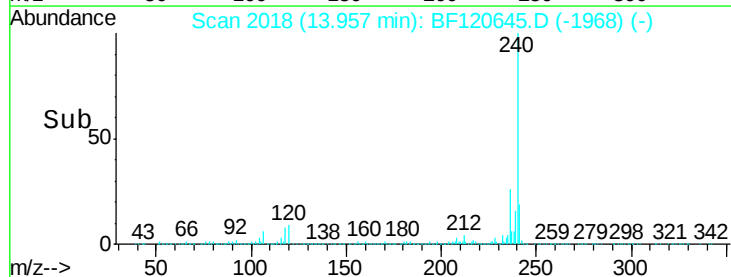
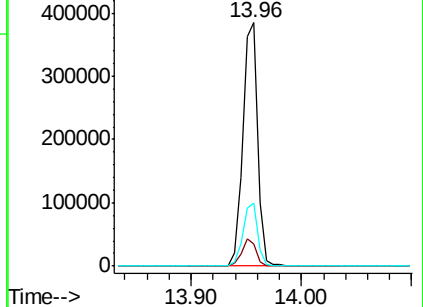
236 25.7 21.0 31.4

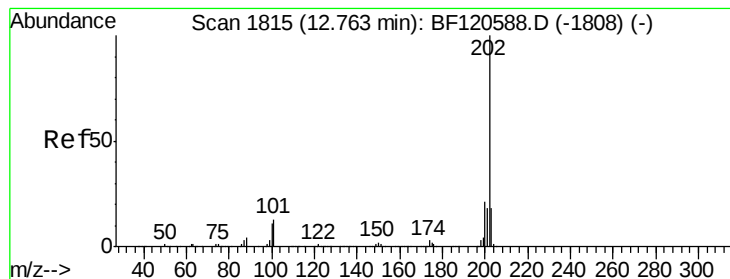


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.366 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

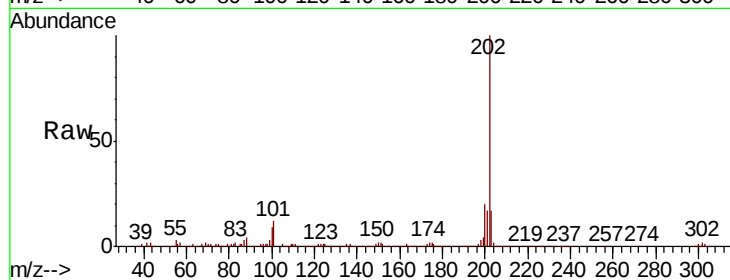
Tot Ion:202 Resp: 214699

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

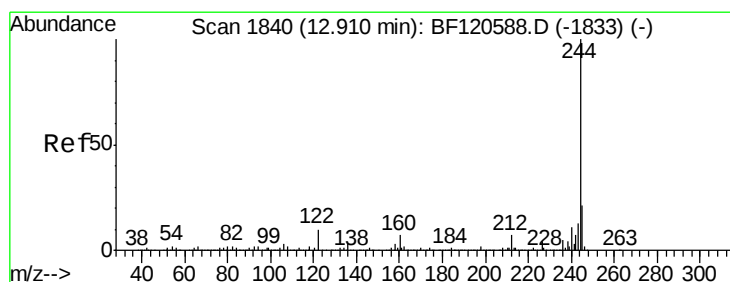
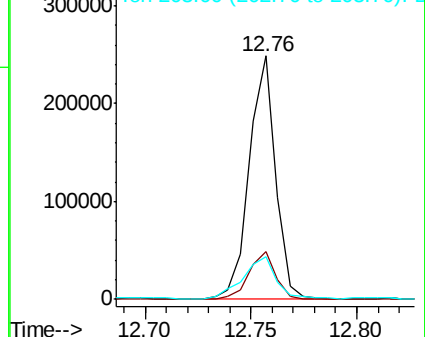
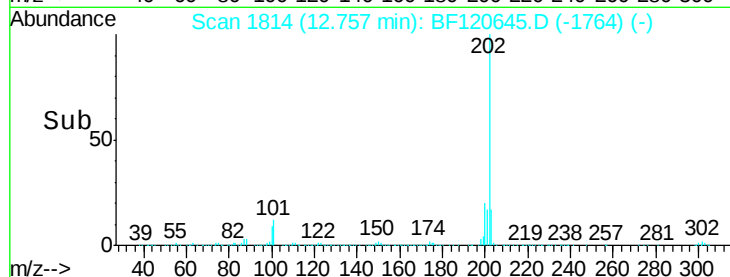
203 17.5 14.3 21.5



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: 64.413 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

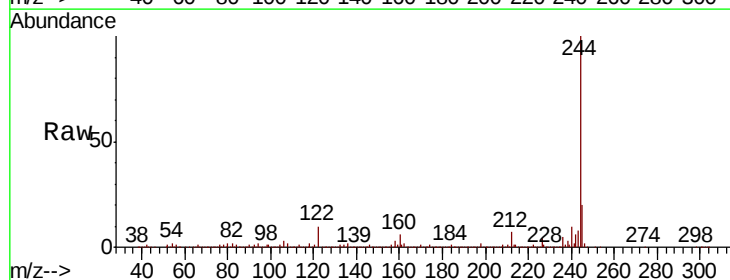
Tgt Ion:244 Resp: 1056356

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

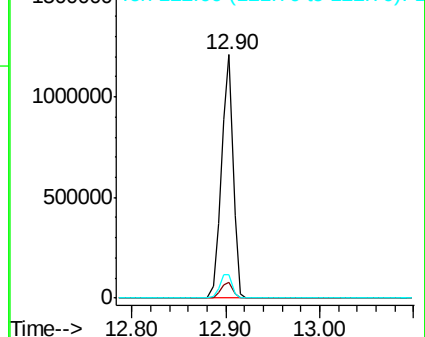
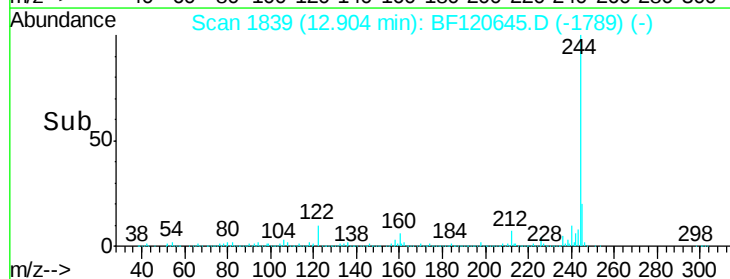
122 9.9 8.3 12.5

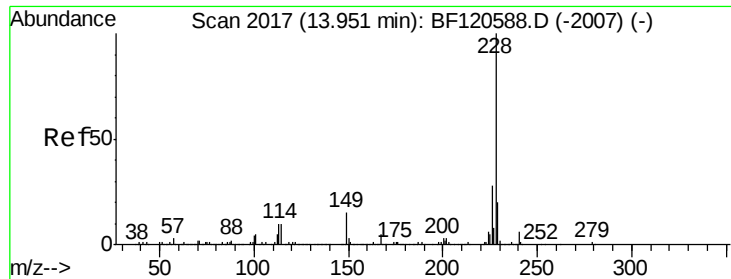


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.762 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

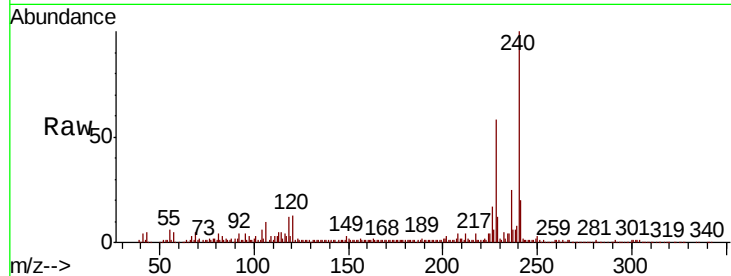
Tot Ion:228 Resp: 81870

Ion Ratio Lower Upper

228 100

226 29.4 22.5 33.7

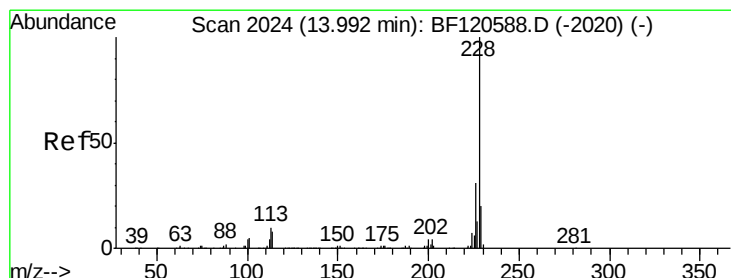
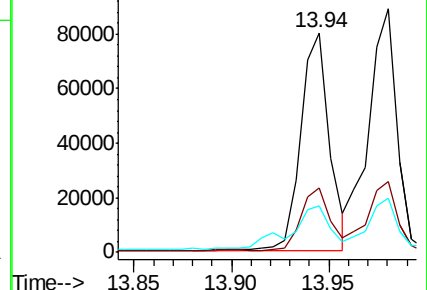
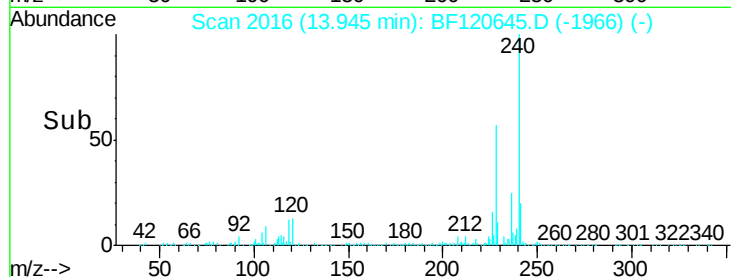
229 21.0 16.1 24.1



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



#83

Chrysene

Concen: 4.057 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

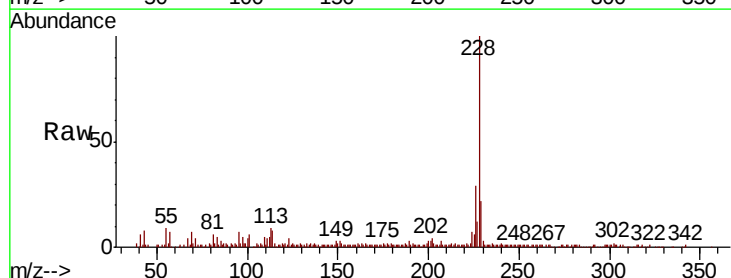
Tgt Ion:228 Resp: 90564

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

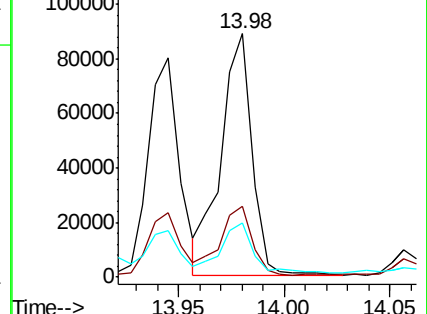
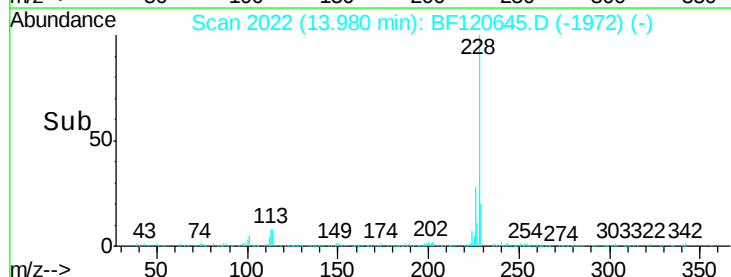
229 22.2 16.1 24.1

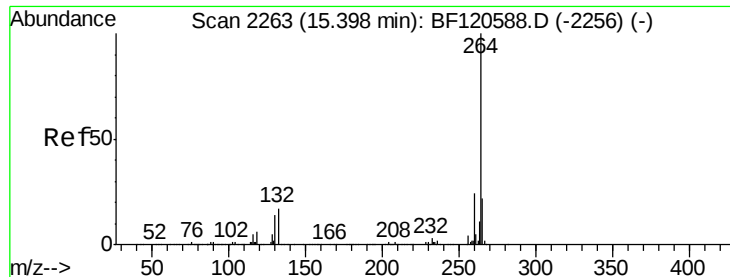


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



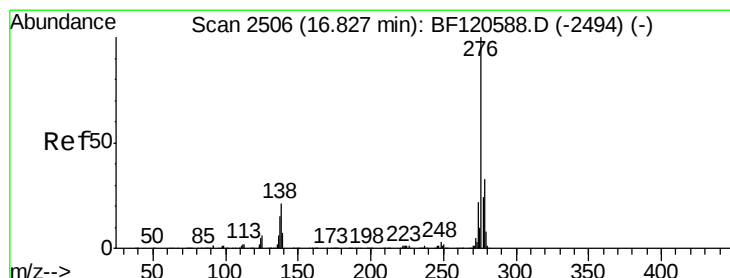
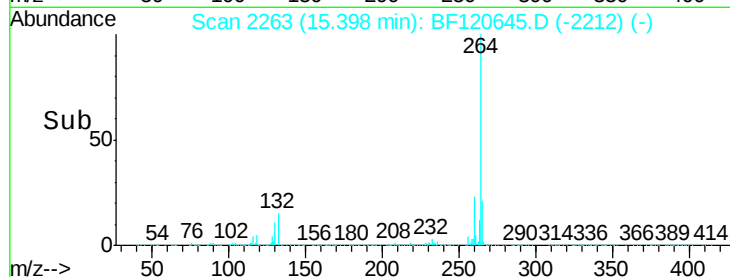
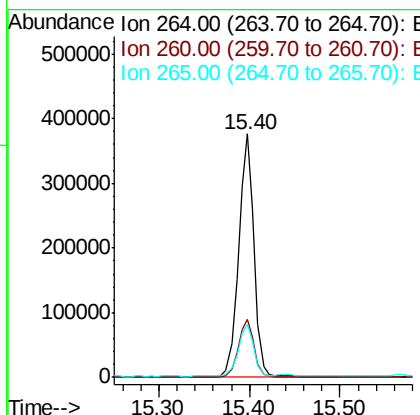
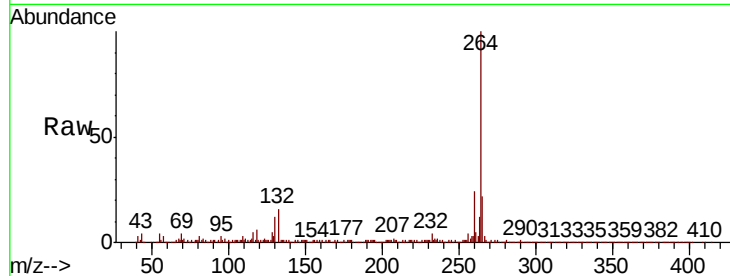


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

Instrument :
BNA_F
ClientSampleId :
ISS-B-C

Tot Ion:264 Resp: 442010

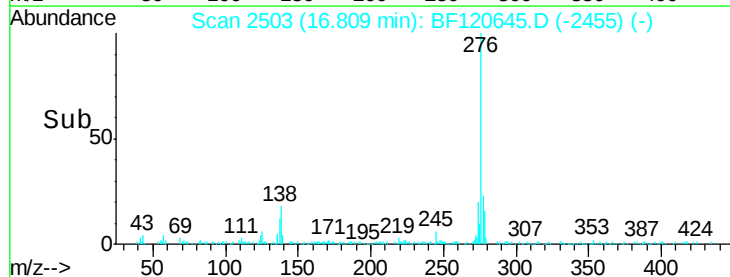
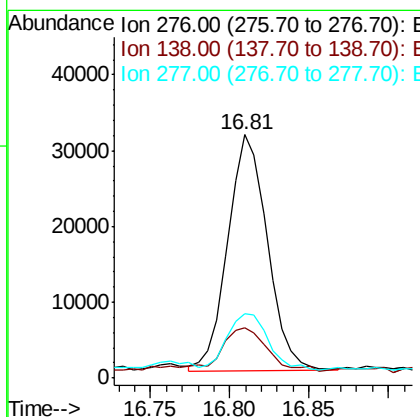
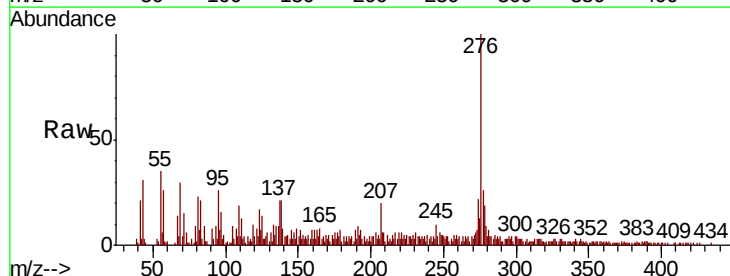
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	21.7	17.8	26.8

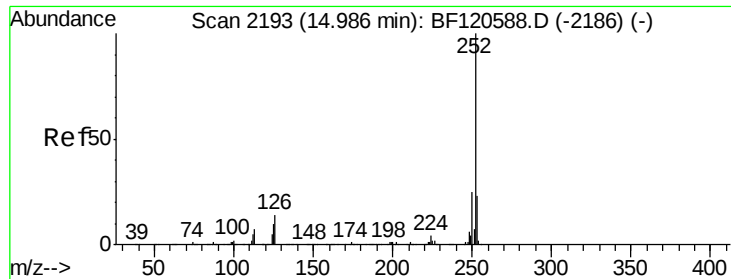


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.014 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.02 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

Tgt Ion:276 Resp: 54145

Ion	Ratio	Lower	Upper
276	100		
138	21.7	18.9	28.3
277	24.2	20.2	30.2

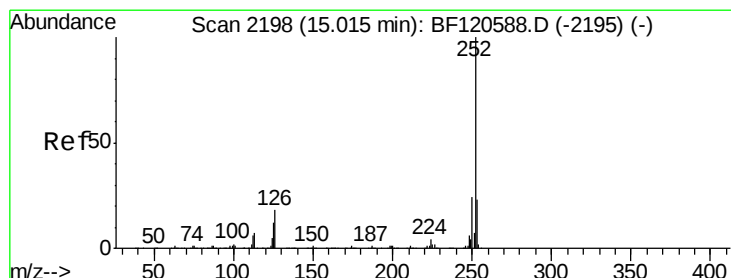
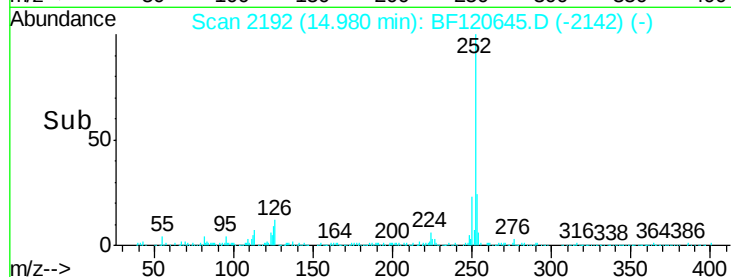
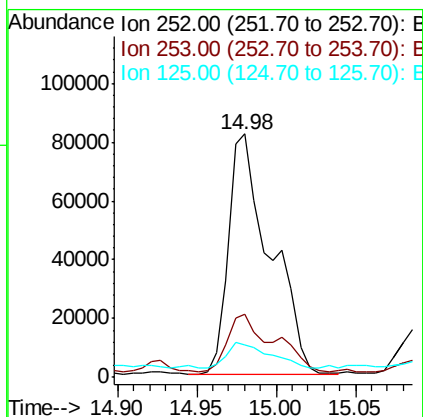
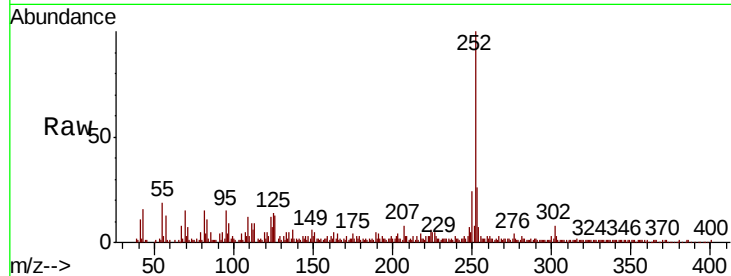




#88
Benzo(b)fluoranthene
Concen: 5.663 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

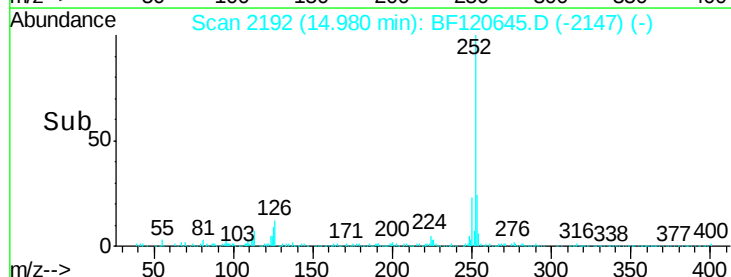
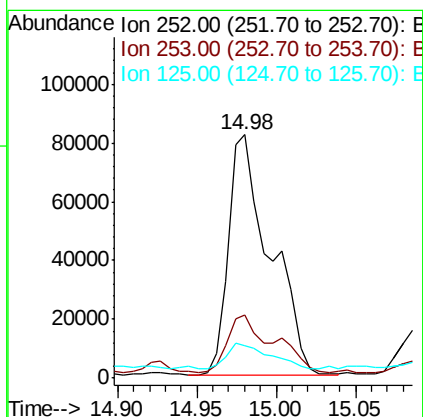
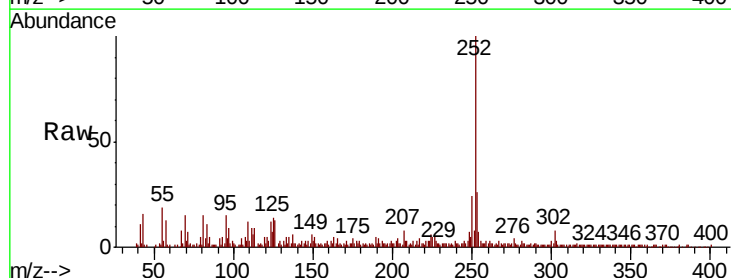
Instrument :
BNA_F
ClientSampleId :
ISS-B-C

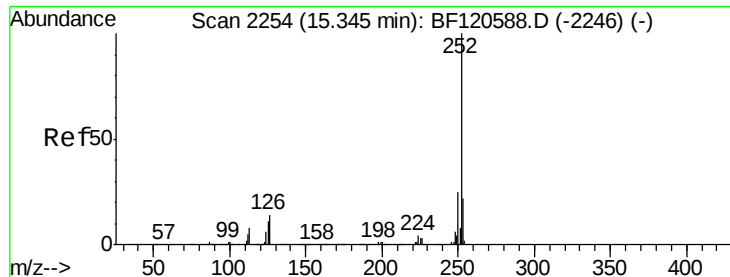
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	13.5	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 6.399 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF120645.D
Acq: 18 Jun 2020 16:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	13.5	8.3	12.5#





#90

Benzo(a)pyrene

Concen: 3.246 ng

RT: 15.33 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

Instrument :

BNA_F

ClientSampleId :

ISS-B-C

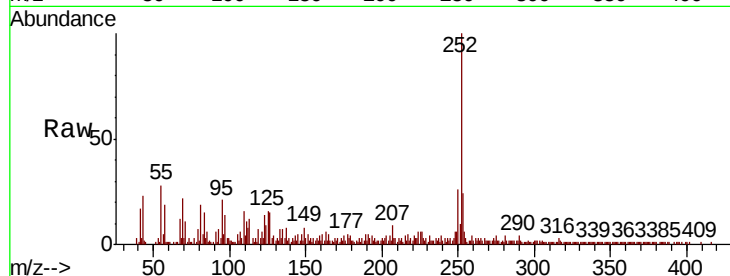
Tot Ion:252 Resp: 76477

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

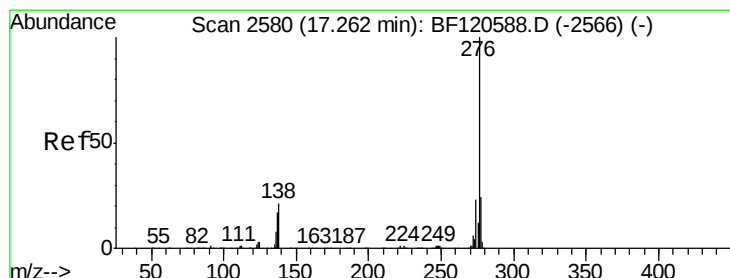
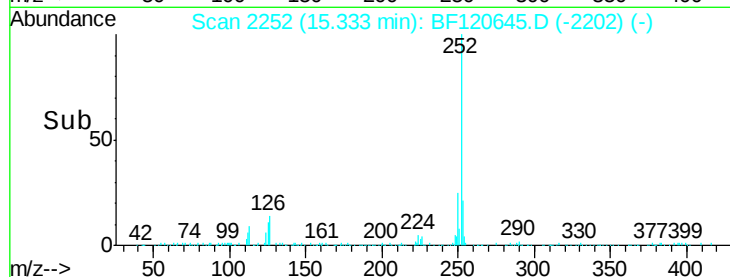
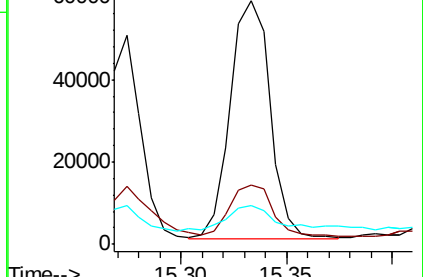
125 16.2 8.6 12.8#



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



#92

Benzo(g,h,i)perylene

Concen: 2.210 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF120645.D

Acq: 18 Jun 2020 16:43

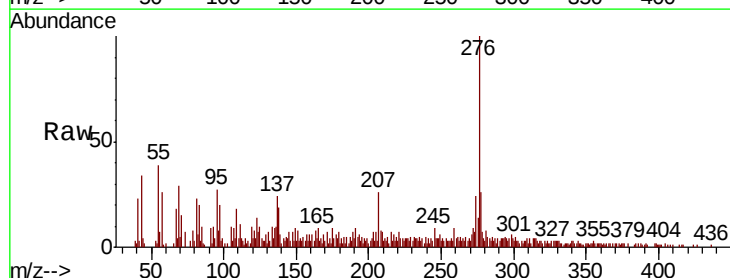
Tgt Ion:276 Resp: 48023

Ion Ratio Lower Upper

276 100

277 25.6 19.6 29.4

138 19.3 16.5 24.7



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

