

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120693.D
 Acq On : 22 Jun 2020 23:34
 Operator : JU/CG
 Sample : L3082-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Quant Time: Jun 23 01:39:02 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	144168	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	557788	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285145	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	559654	20.00	ng	0.00
76) Chrysene-d12	13.96	240	459568	20.00	ng	0.00
86) Perylene-d12	15.41	264	459484	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	613883	73.00	ng	-0.01
7) Phenol-d6	6.43	99	774402	73.94	ng	0.00
23) Nitrobenzene-d5	7.36	82	506138	50.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	261970	79.02	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1029377	55.23	ng	0.00
79) Terphenyl-d14	12.91	244	1266855	60.89	ng	0.00

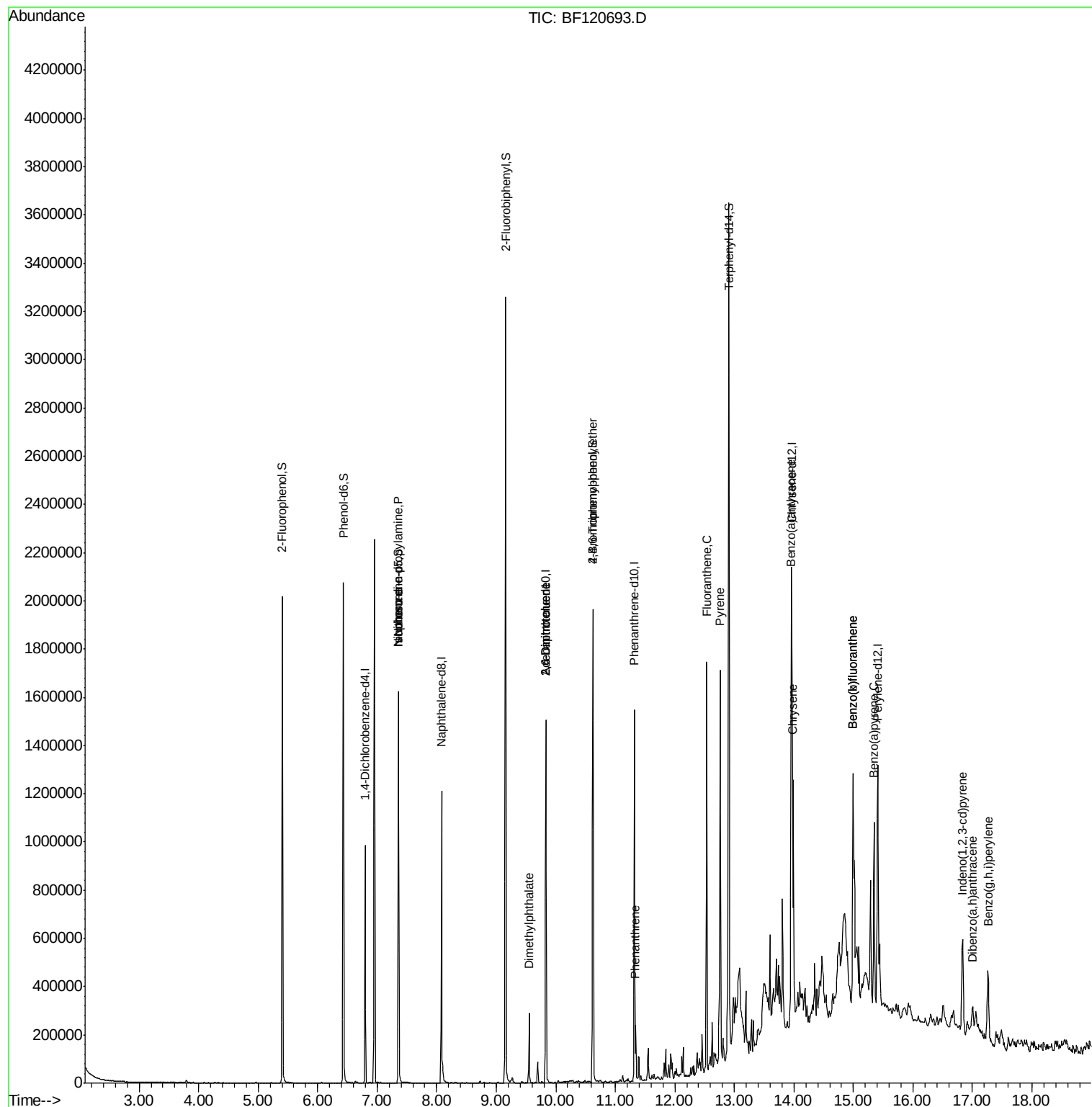
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	65511	10.783	ng	# 80
25) Isophorone	7.36	82	506130	26.038	ng	# 62
50) Dimethylphthalate	9.55	163	128582	6.261	ng	98
51) 2,6-Dinitrotoluene	9.83	165	36373	7.815	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	36373	5.890	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	15379	2.421	ng	# 1
71) Phenanthrene	11.34	178	89352	3.212	ng	97
75) Fluoranthene	12.53	202	656154	20.629	ng	99
78) Pyrene	12.76	202	636856	19.562	ng	99
81) Benzo(a)anthracene	13.95	228	448202	16.233	ng	93
83) Chrysene	13.99	228	387693	13.689	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	261633	9.361	ng	96
88) Benzo(b)fluoranthene	14.99	252	671283	24.526	ng	99
89) Benzo(k)fluoranthene	14.99	252	671283	27.717	ng	99
90) Benzo(a)pyrene	15.34	252	348435	14.224	ng	97
91) Dibenzo(a,h)anthracene	17.00	278	60958	2.720	ng	94
92) Benzo(a,h,i)perylene	17.26	276	219001	9.694	ng	99

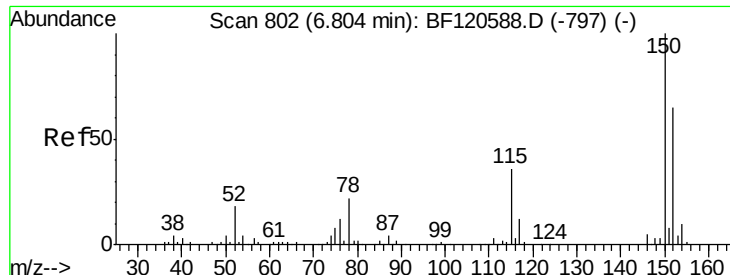
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
Data File : BF120693.D
Acq On : 22 Jun 2020 23:34
Operator : JU/CG
Sample : L3082-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12

Quant Time: Jun 23 01:39:02 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



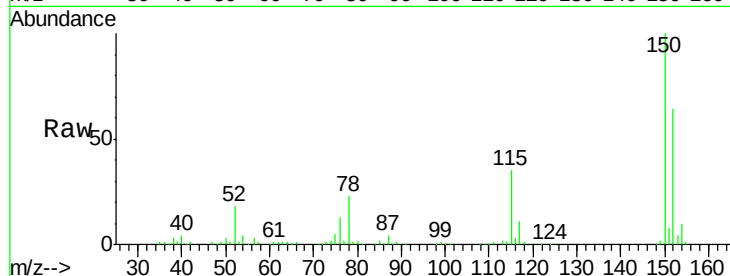


#1

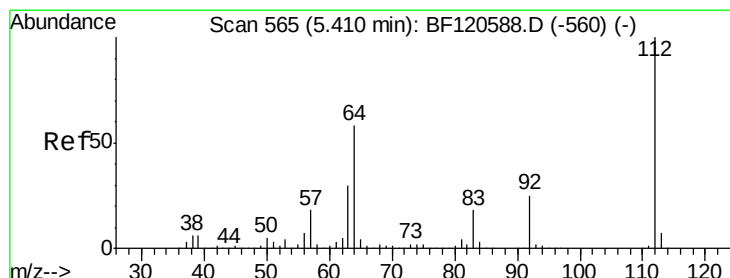
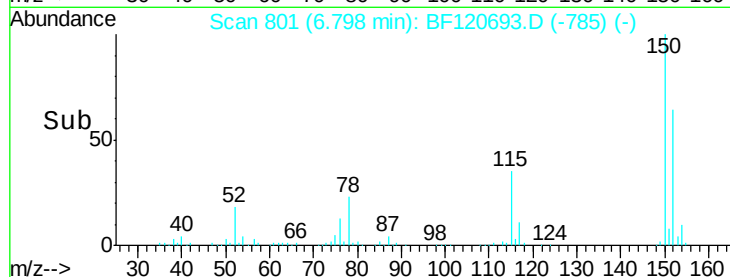
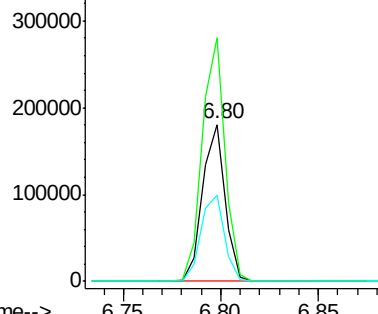
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampleId :
SB-12

Tot Ion:152 Resp: 144168
Ion Ratio Lower Upper
152 100
150 155.3 123.2 184.8
115 54.9 43.9 65.9



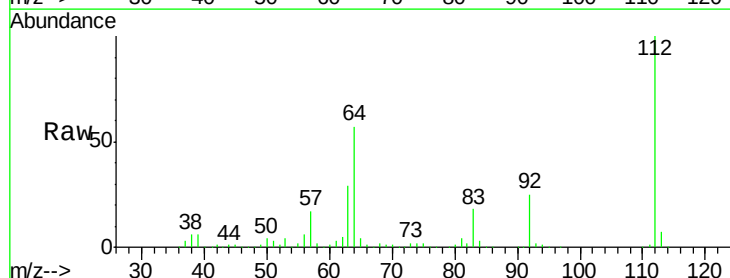
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



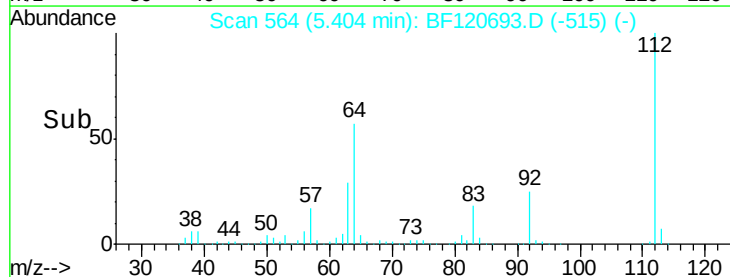
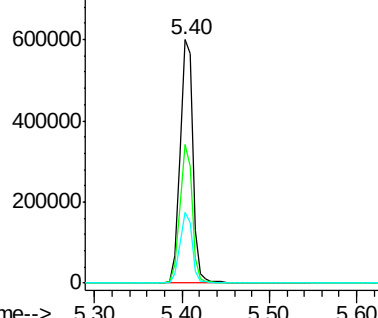
#5

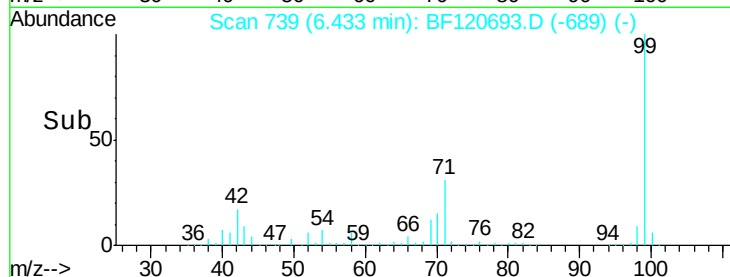
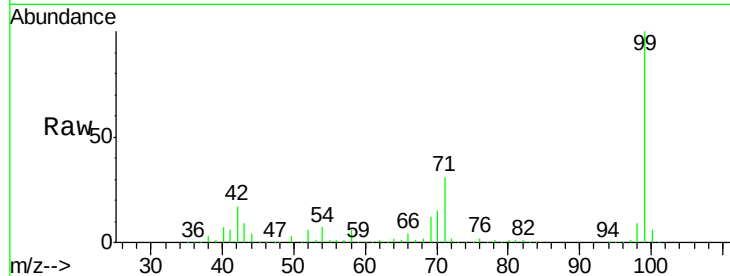
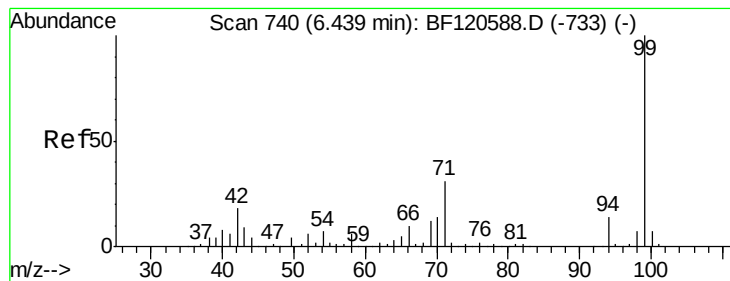
2-Fluorophenol
Concen: 73.003 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion:112 Resp: 613883
Ion Ratio Lower Upper
112 100
64 56.8 46.1 69.1
63 28.9 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: 73.940 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampled :

SB-12

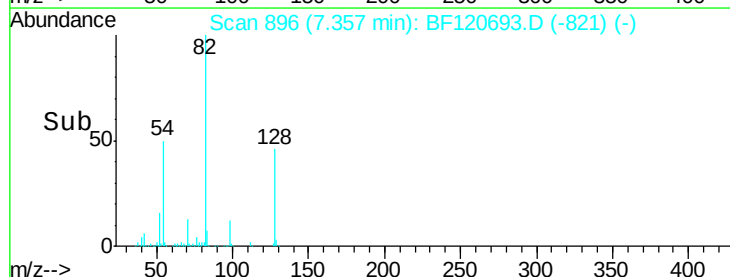
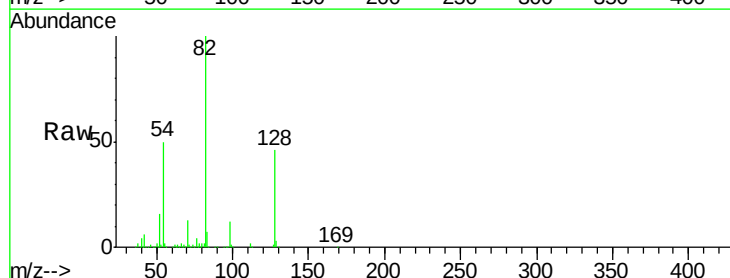
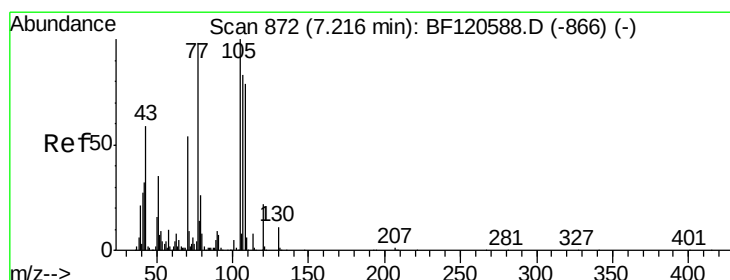
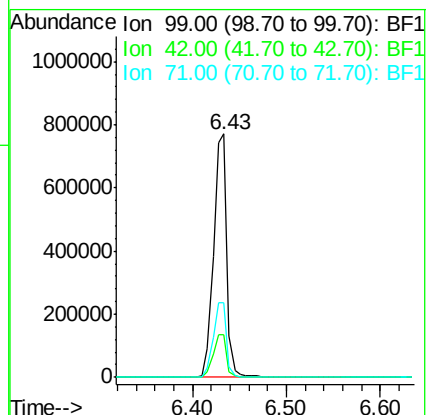
Tot Ion: 99 Resp: 774402

Ion Ratio Lower Upper

99 100

42 17.3 14.0 21.0

71 30.9 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.783 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Tgt Ion: 70 Resp: 65511

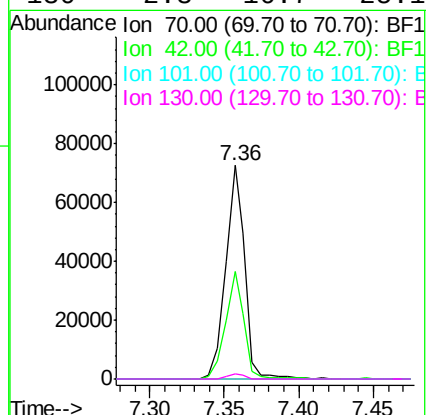
Ion Ratio Lower Upper

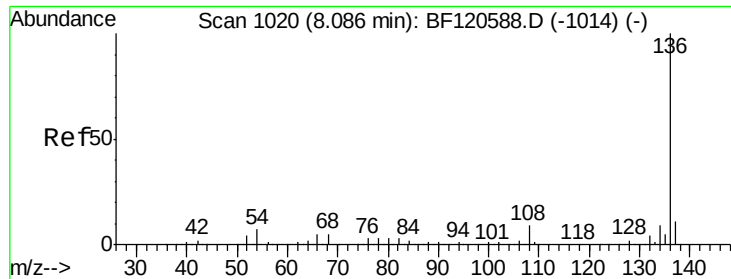
70 100

42 50.1 47.7 71.5

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

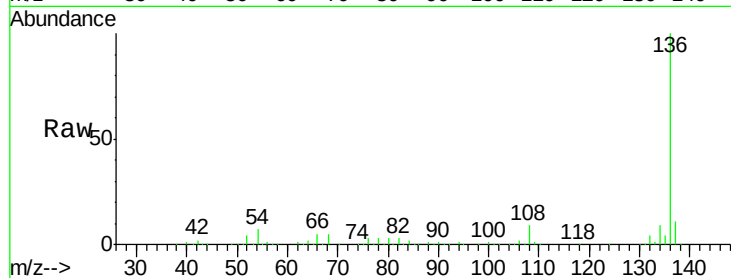




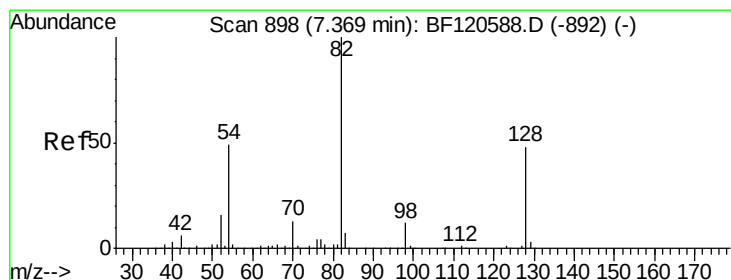
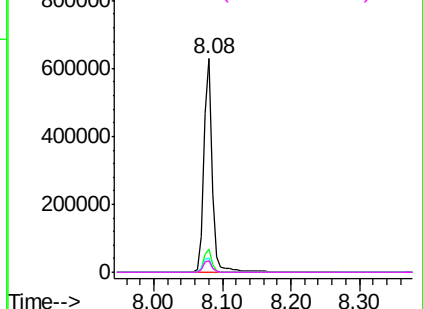
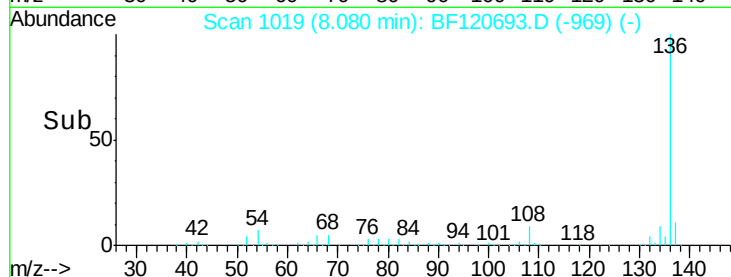
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampleId :
SB-12

Tot Ion:136	Resp:	557788
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	6.9	5.8 8.6
68	5.5	4.4 6.6

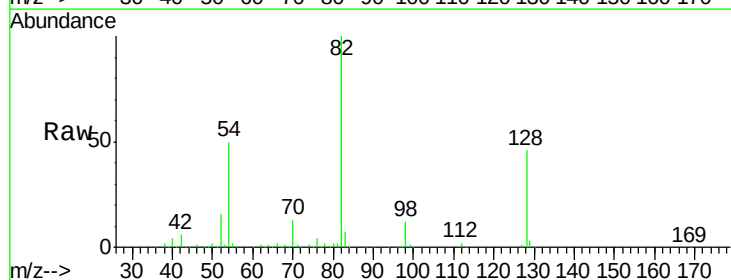


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

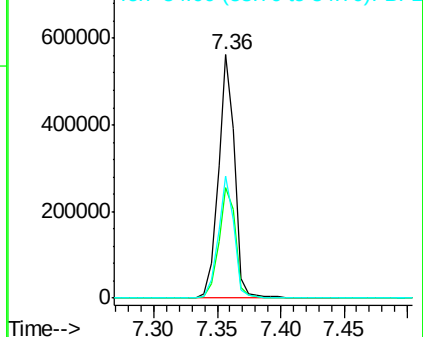
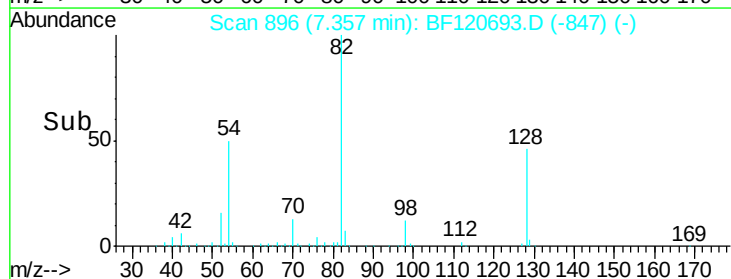


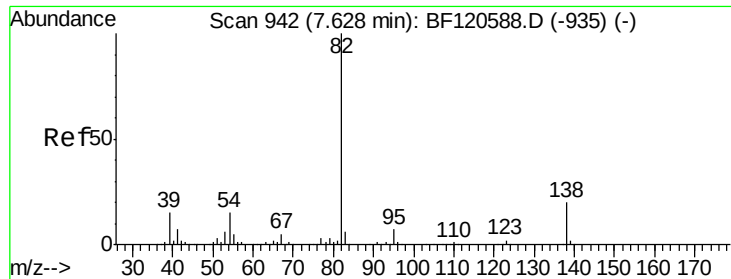
#23
Nitrobenzene-d5
Concen: 50.721 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion: 82	Resp:	506138
Ion	Ratio	Lower Upper
82	100	
128	45.5	38.0 57.0
54	50.2	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: 26.038 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampleId :

SB-12

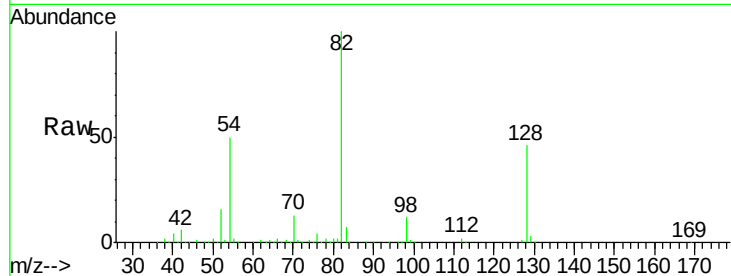
Tot Ion: 82 Resp: 506130

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

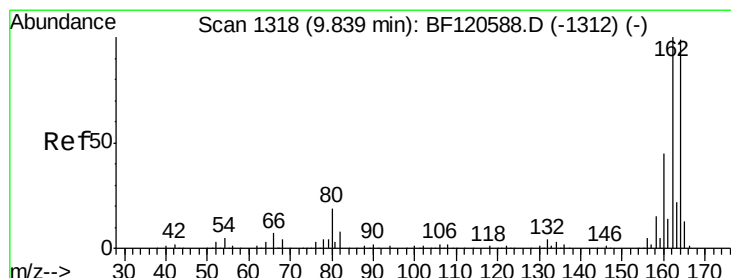
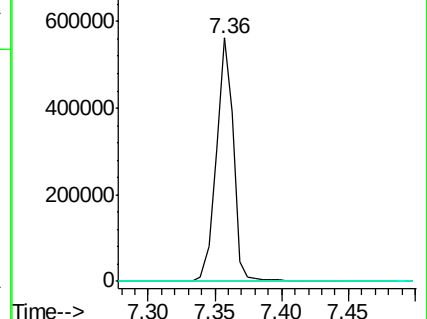
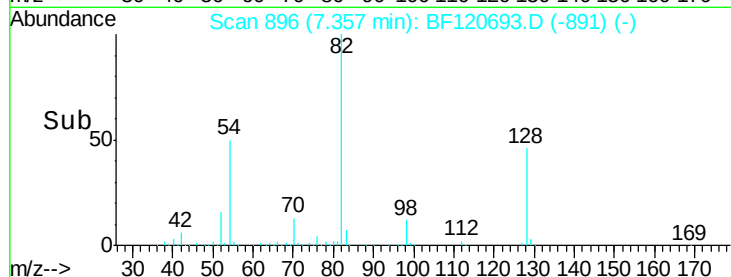
138 0.0 16.2 24.4#



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: BF120693.D

Acq: 22 Jun 2020 23:34

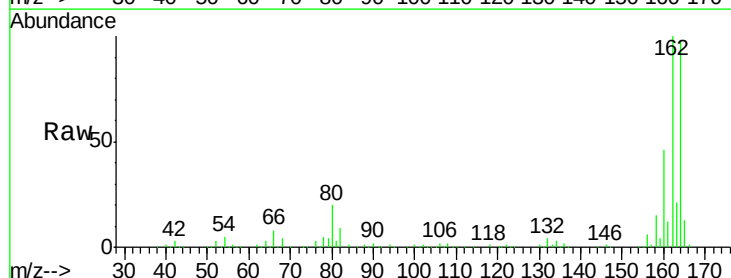
Tgt Ion: 164 Resp: 285145

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

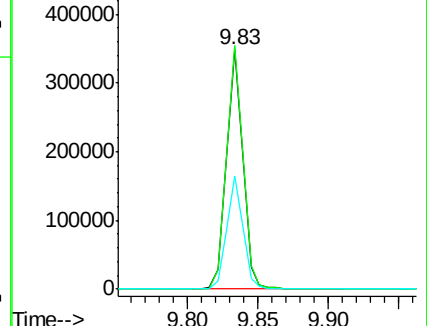
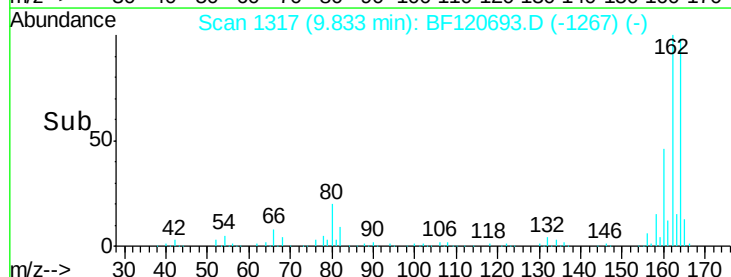
160 47.0 36.2 54.2

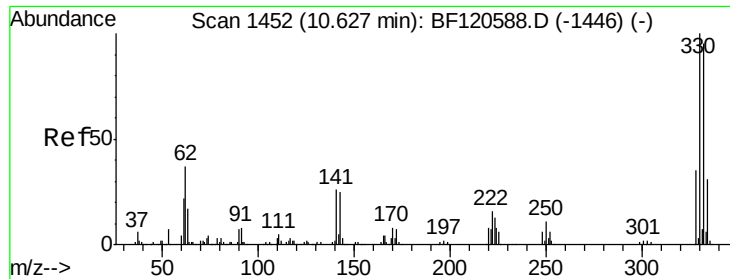


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

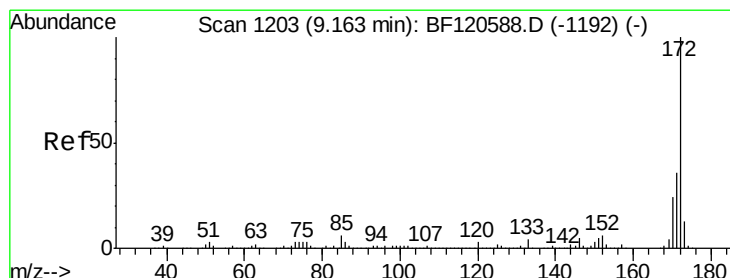
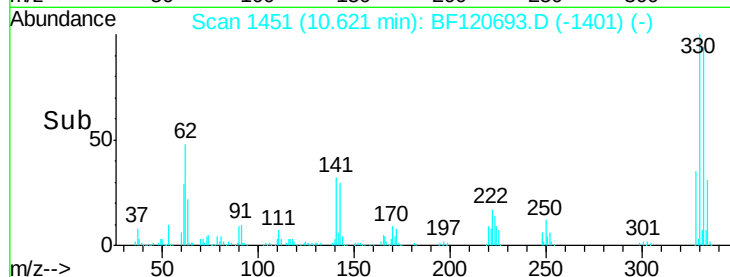
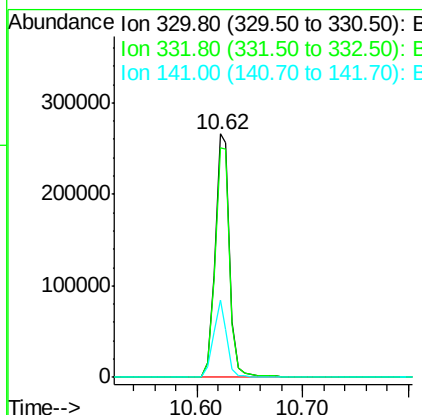
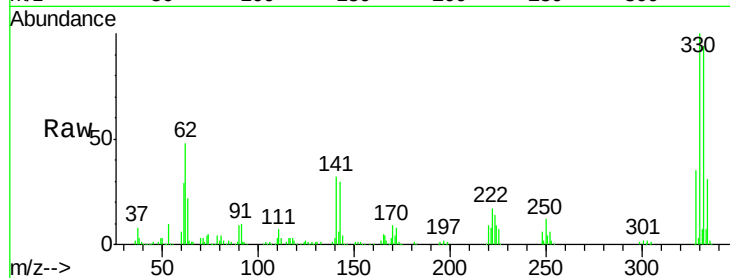




#42
 2,4,6-Tribromophenol
 Concen: 79.021 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

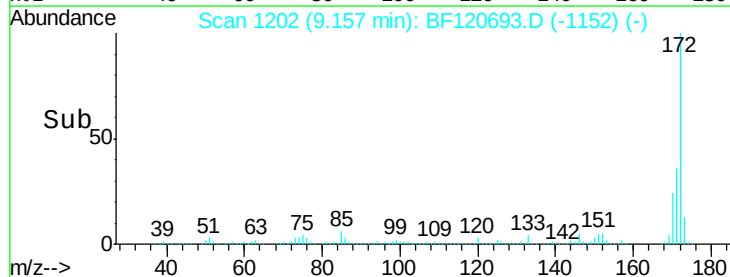
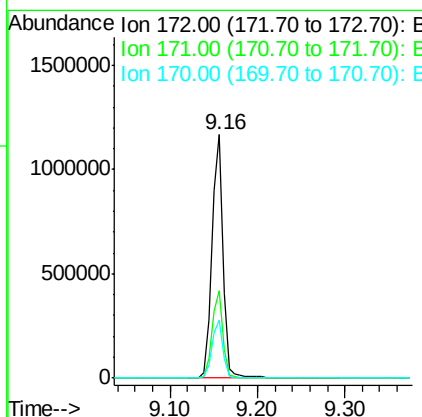
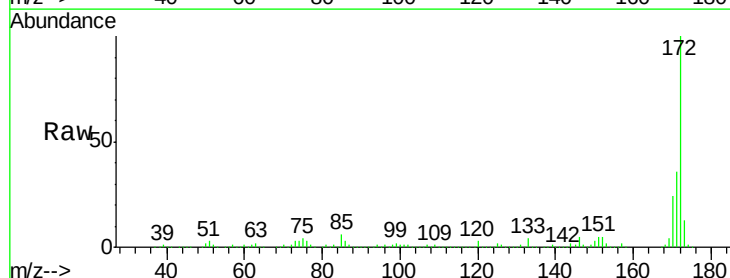
Instrument :
 BNA_F
 ClientSampleId :
 SB-12

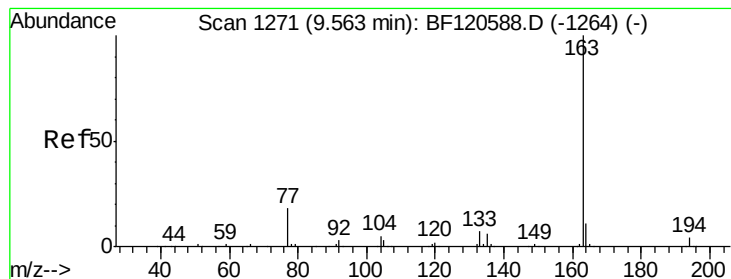
Tot Ion:330 Resp: 261970
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.8 115.2
 141 28.9 23.2 34.8



#45
 2-Fluorobiphenyl
 Concen: 55.233 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Tgt Ion:172 Resp: 1029377
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 23.9 19.4 29.2





#50

Dimethylphthalate

Concen: 6.261 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampleId :

SB-12

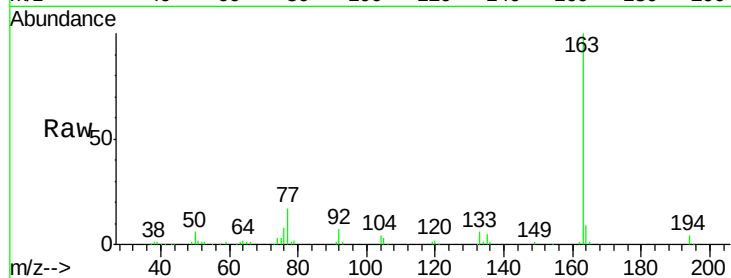
Tot Ion:163 Resp: 128582

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

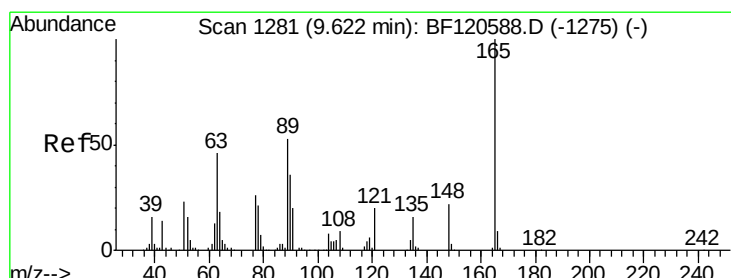
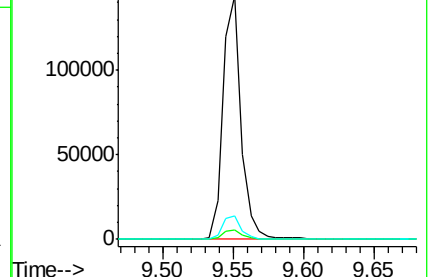
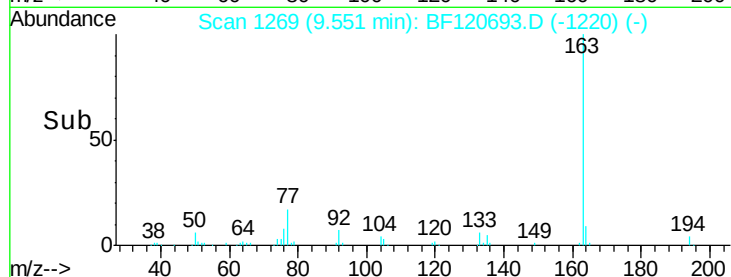
164 9.4 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.815 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

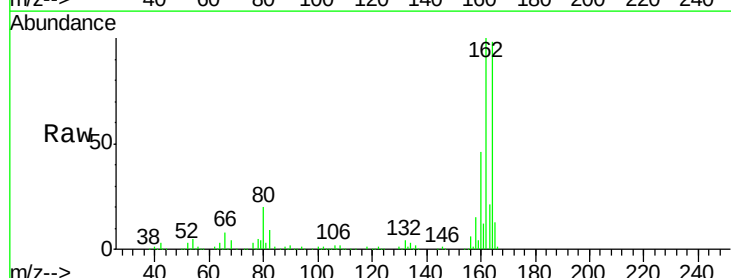
Tgt Ion:165 Resp: 36373

Ion Ratio Lower Upper

165 100

63 0.9 41.7 62.5#

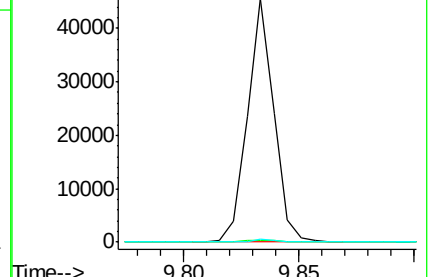
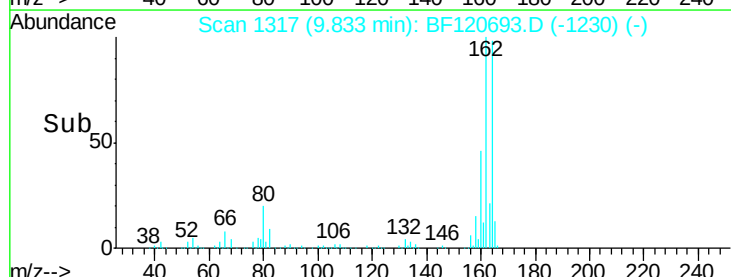
89 1.2 42.6 64.0#

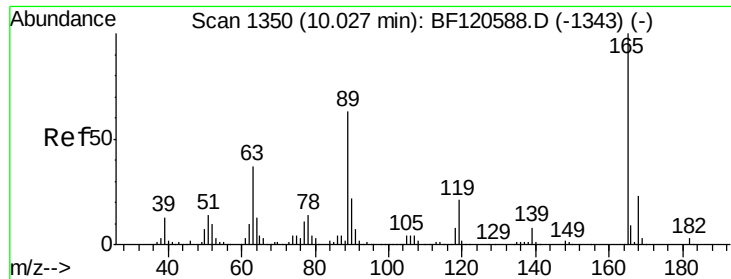


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

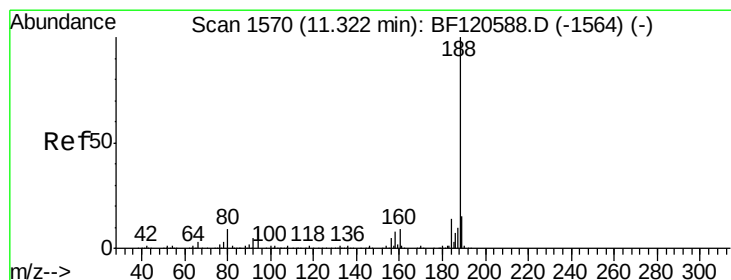
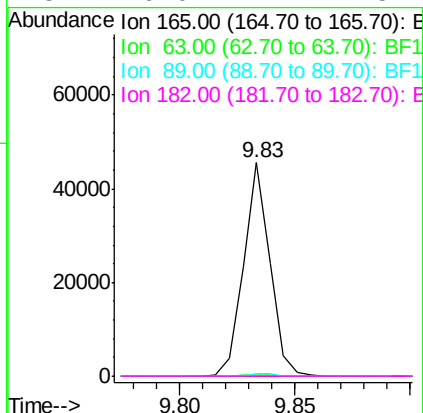
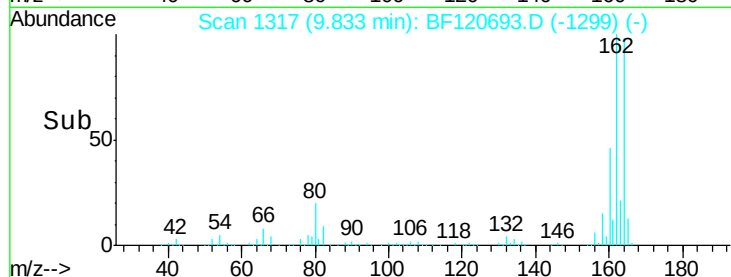
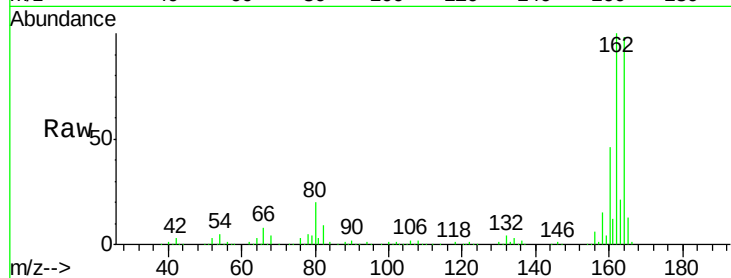




#57
 2,4-Dinitrotoluene
 Concen: 5.890 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

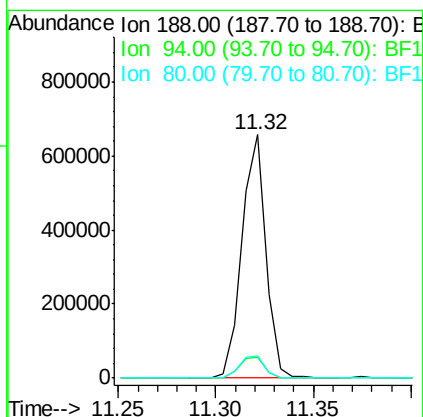
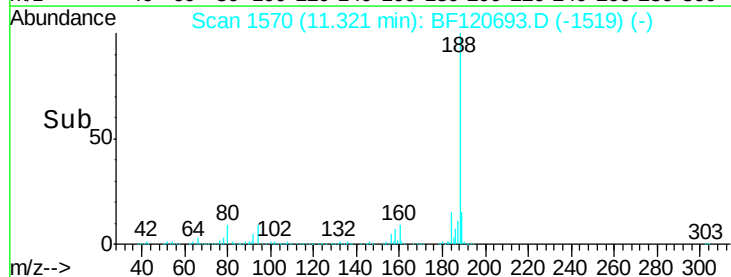
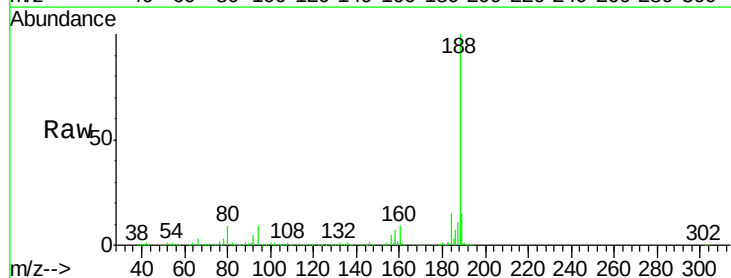
Instrument :
 BNA_F
 ClientSampleId :
 SB-12

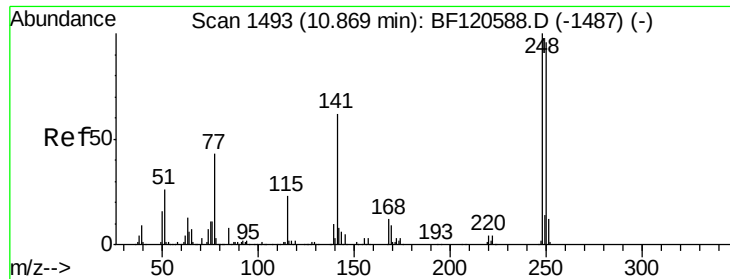
Tot Ion:165	Resp:	36373
Ion Ratio	Lower	Upper
165	100	
63	0.9	29.8 44.8#
89	1.2	50.4 75.6#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Tgt Ion:188	Resp:	559654
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.2 10.8
80	9.1	7.4 11.2

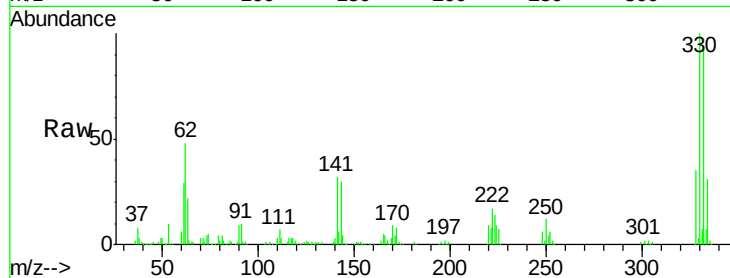




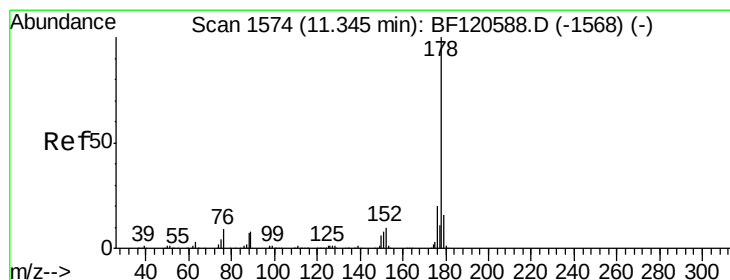
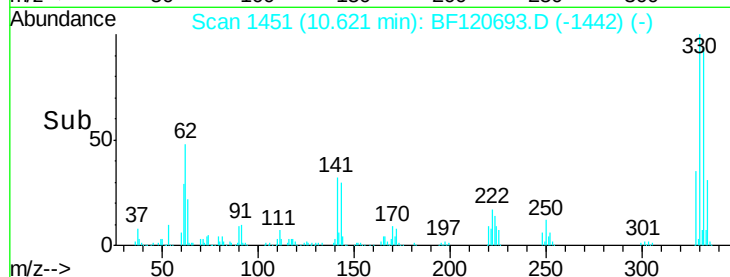
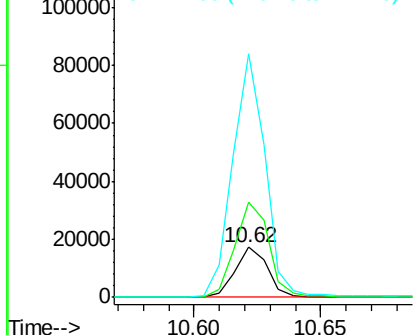
#67
 4-Bromophenyl-phenylether
 Concen: 2.421 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-12

Tot Ion:248 Resp: 15379
 Ion Ratio Lower Upper
 248 100
 250 190.7 76.7 115.1#
 141 489.5 49.4 74.0#

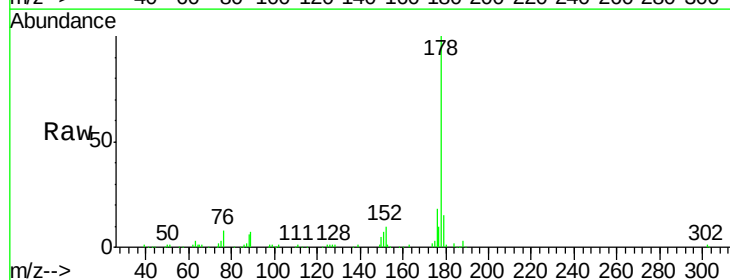


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

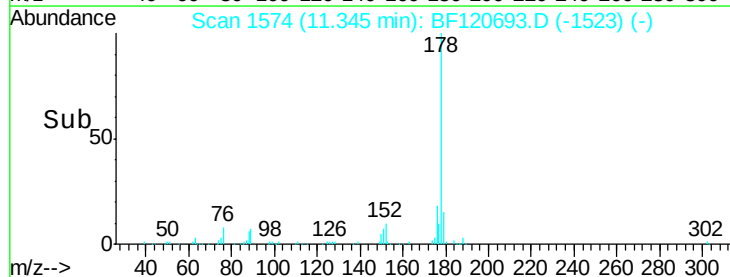
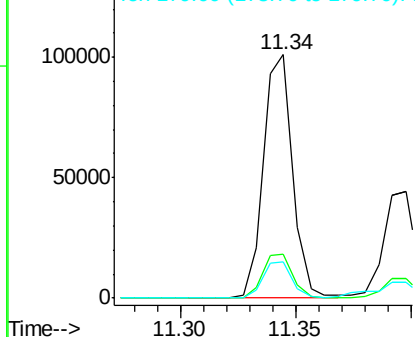


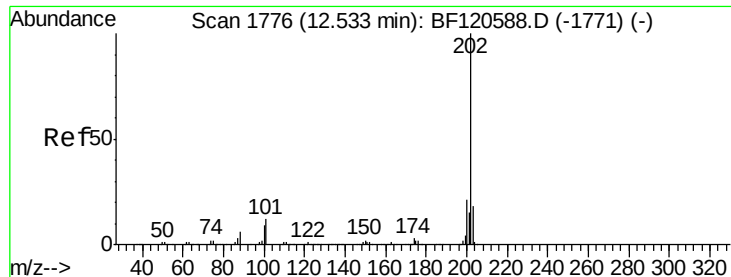
#71
 Phenanthrene
 Concen: 3.212 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BF120693.D
 Acq: 22 Jun 2020 23:34

Tgt Ion:178 Resp: 89352
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.9 23.9
 179 15.0 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: 20.629 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampleId :

SB-12

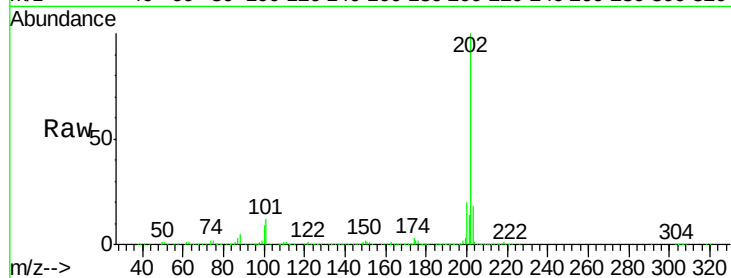
Tot Ion:202 Resp: 656154

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.0

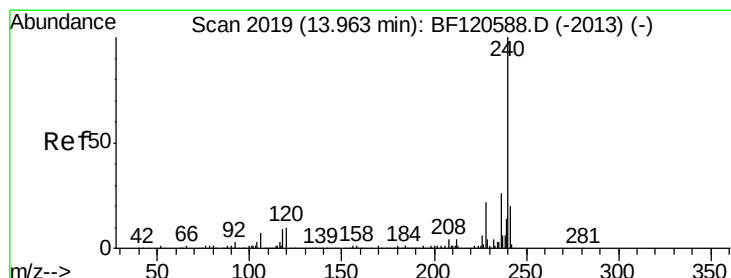
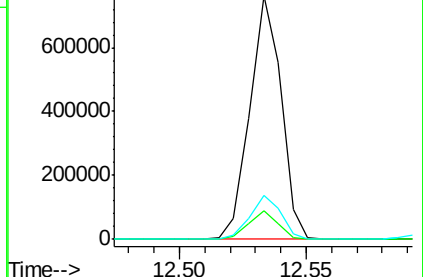
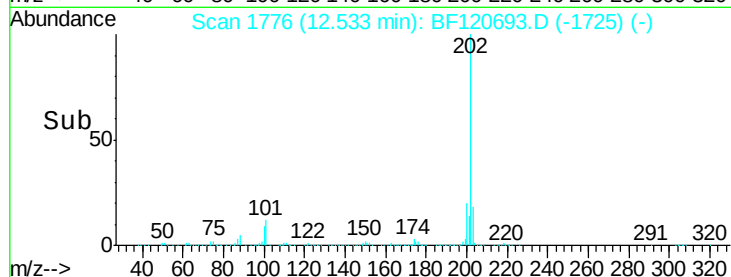
203 17.9 0.0 38.3



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# 2019

Delta R.T. 0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

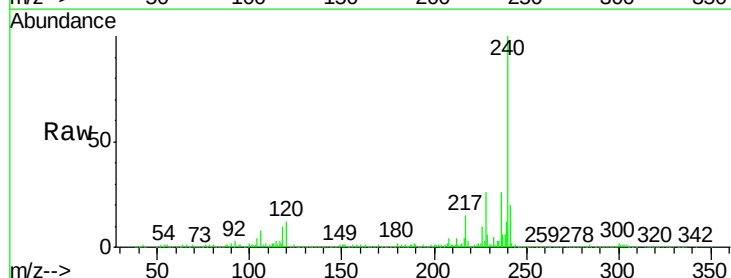
Tgt Ion:240 Resp: 459568

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

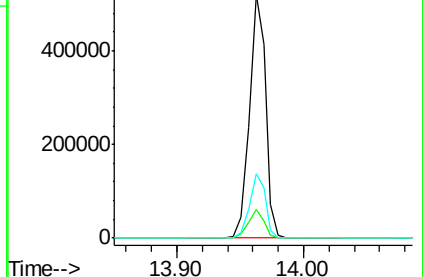
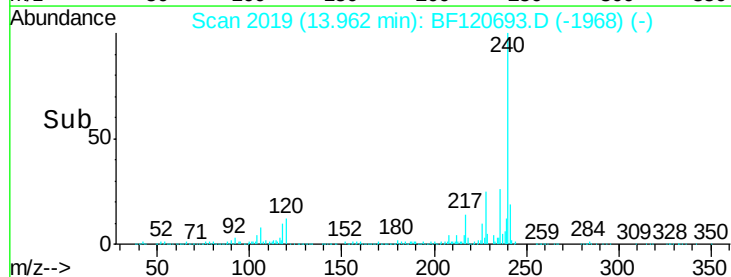
236 26.4 21.0 31.4

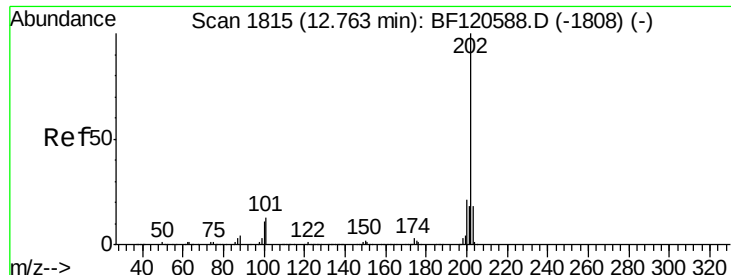


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

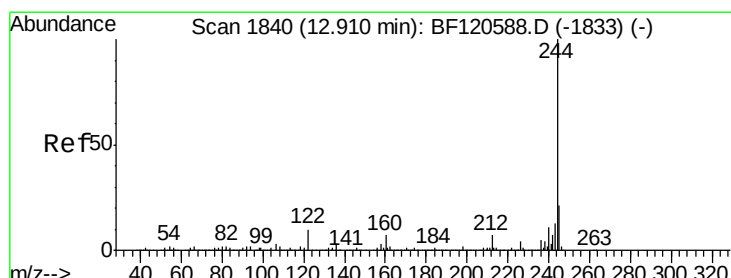
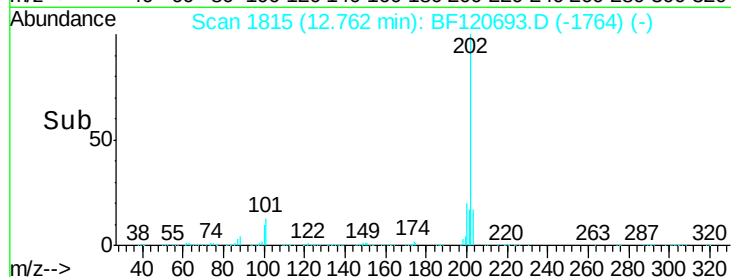
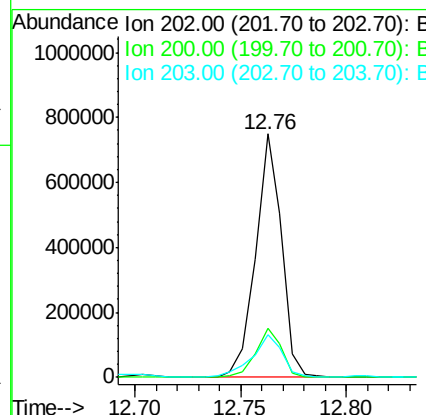
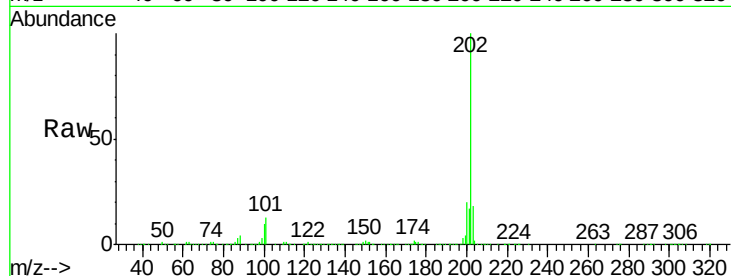




#78
Pvrene
Concen: 19.562 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

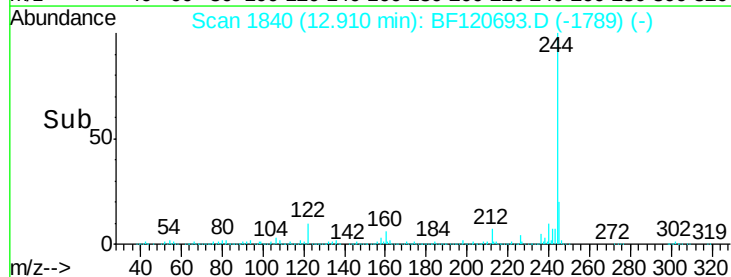
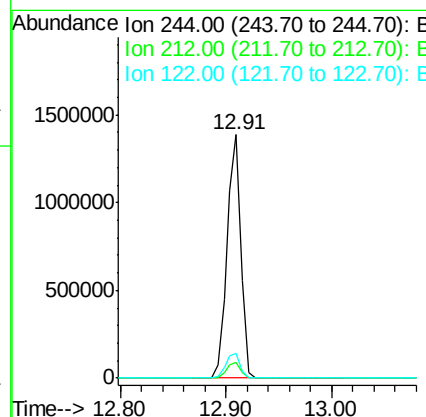
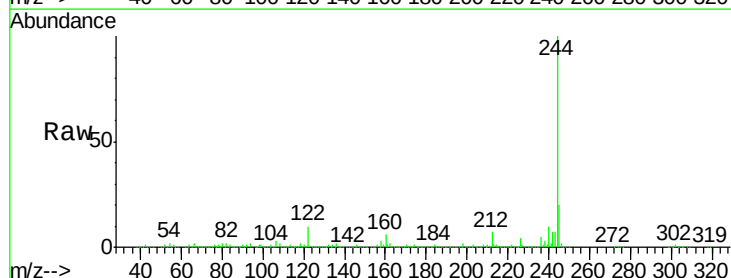
Instrument :
BNA_F
ClientSampled :
SB-12

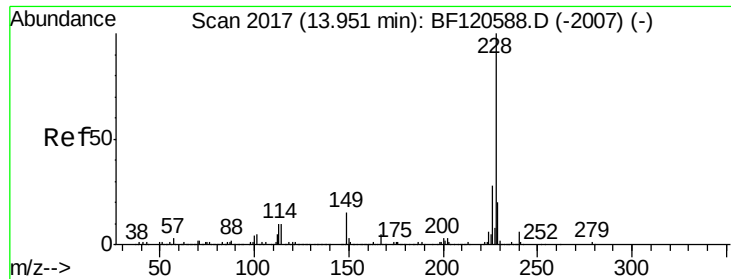
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	17.5	14.3	21.5



#79
Terphenyl-d14
Concen: 60.890 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	8.3	12.5





#81

Benzo(a)anthracene

Concen: 16.233 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampled :

SB-12

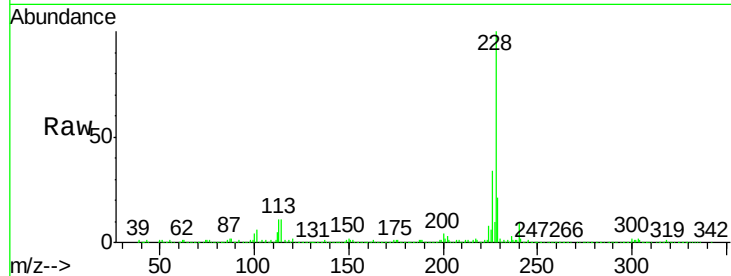
Tot Ion:228 Resp: 448202

Ion Ratio Lower Upper

228 100

226 33.6 22.5 33.7

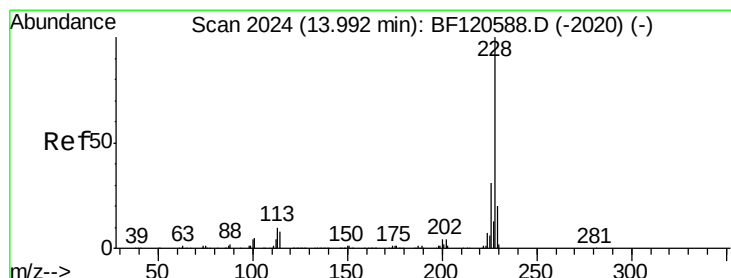
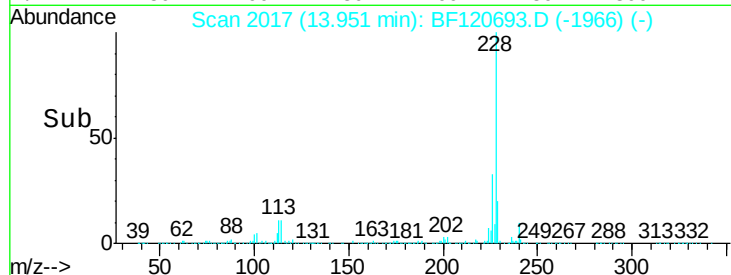
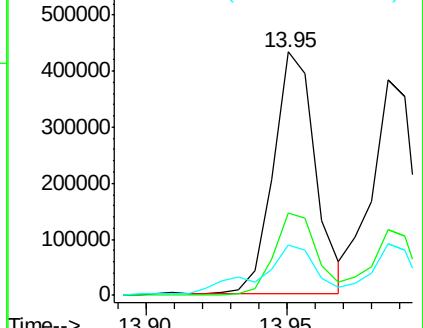
229 20.7 16.1 24.1



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



#83

Chrysene

Concen: 13.689 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

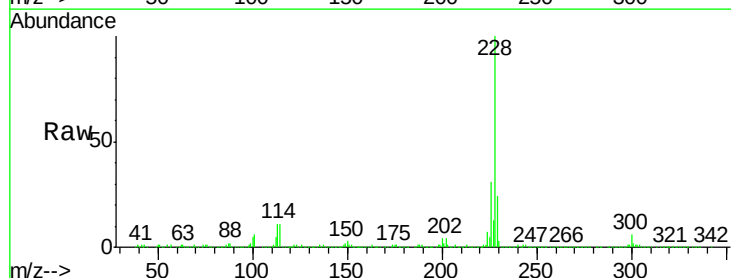
Tgt Ion:228 Resp: 387693

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

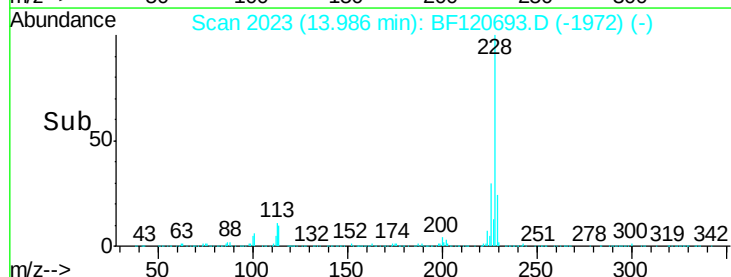
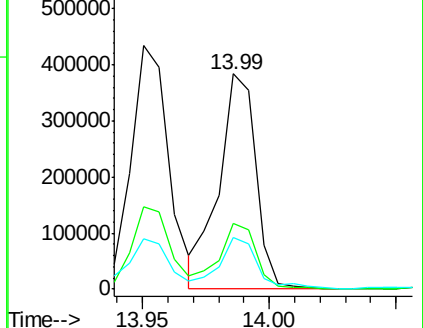
229 23.7 16.1 24.1

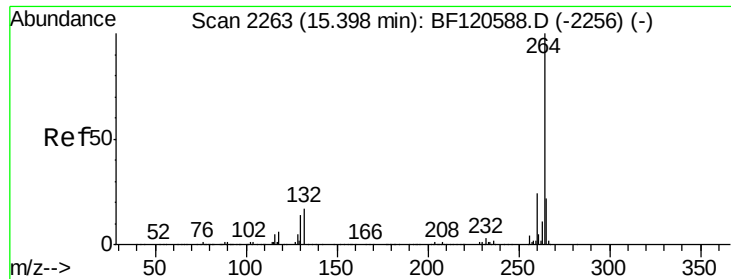


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



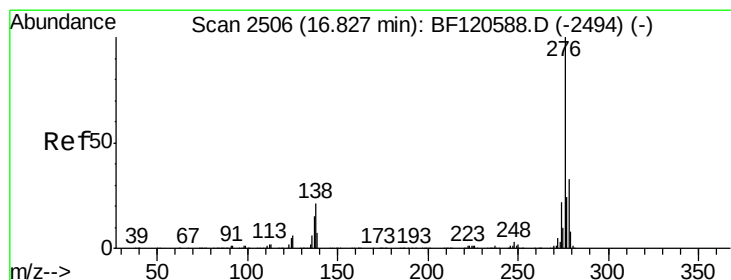
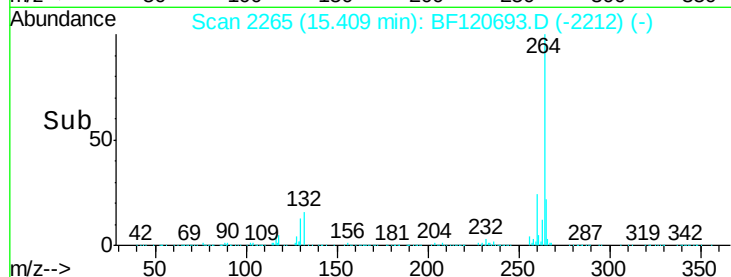
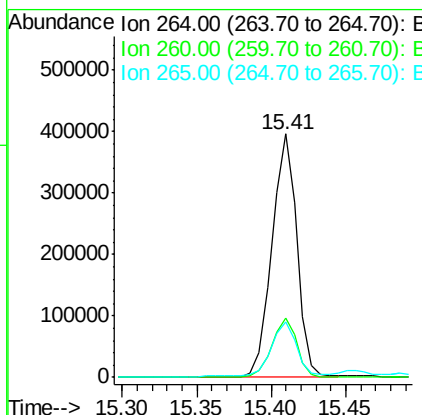
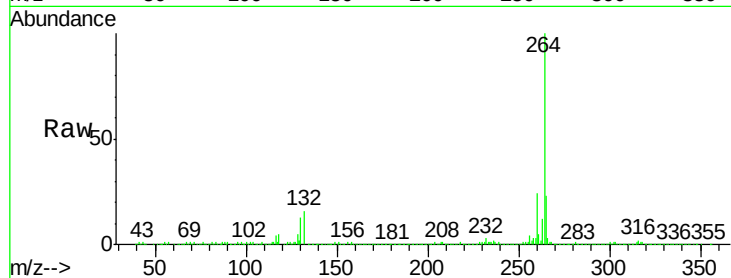


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Instrument :
BNA_F
ClientSampleID :
SB-12

Tot Ion:264 Resp: 459484

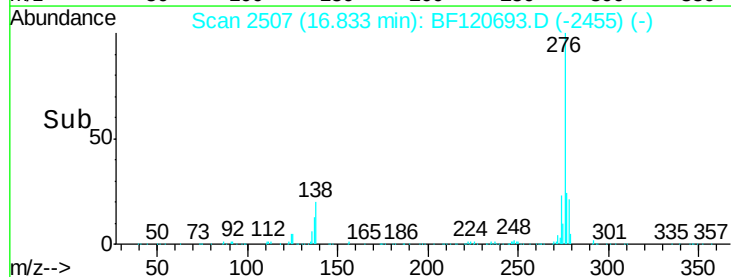
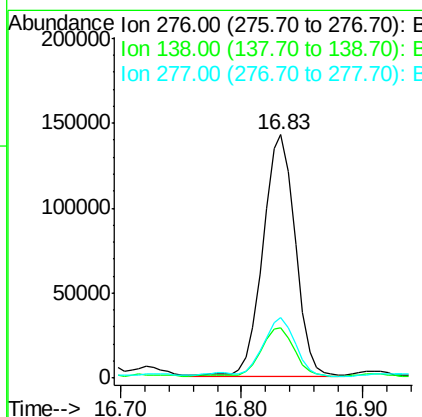
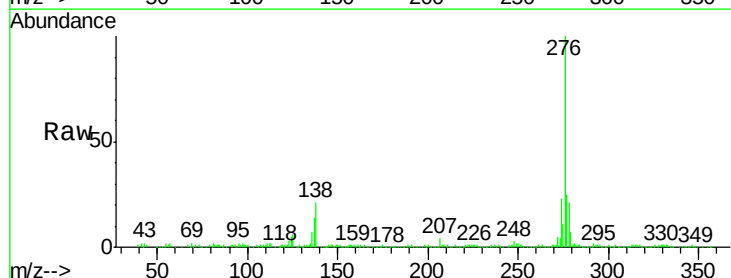
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	22.5	17.8	26.8

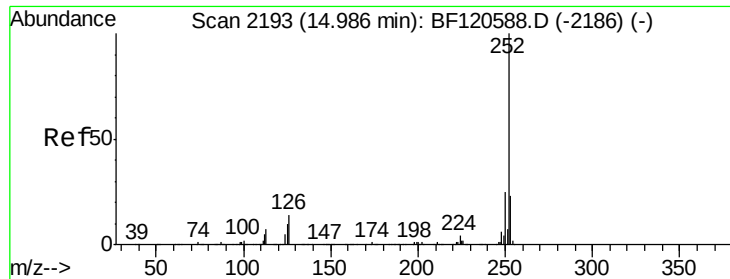


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.361 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion:276 Resp: 261633

Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.9	28.3
277	23.9	20.2	30.2

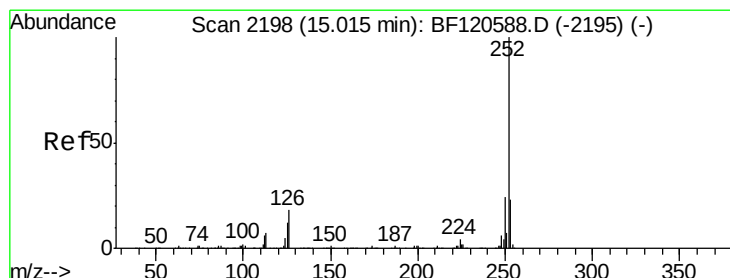
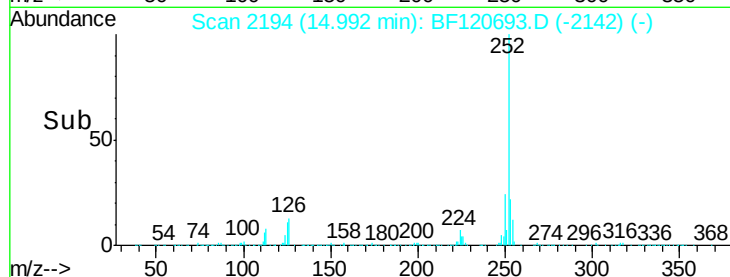
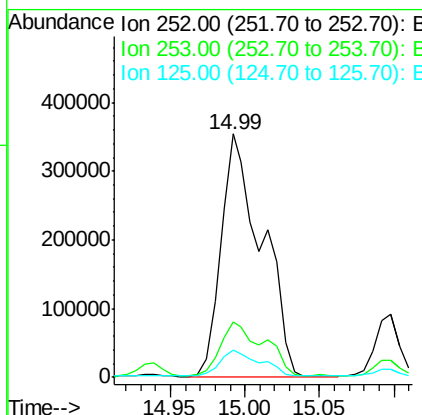
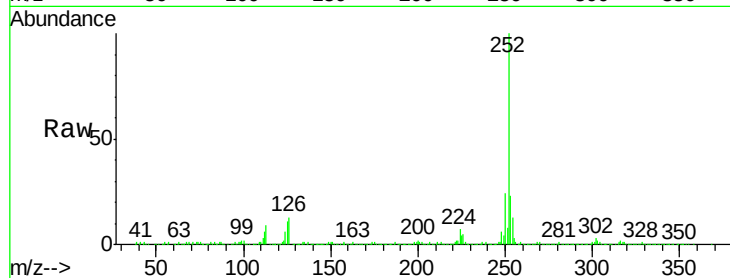




#88
Benzo(b)fluoranthene
Concen: 24.526 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

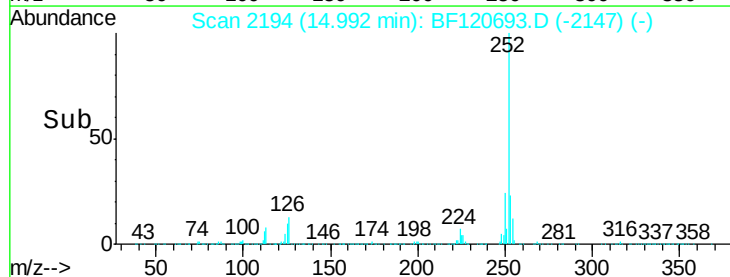
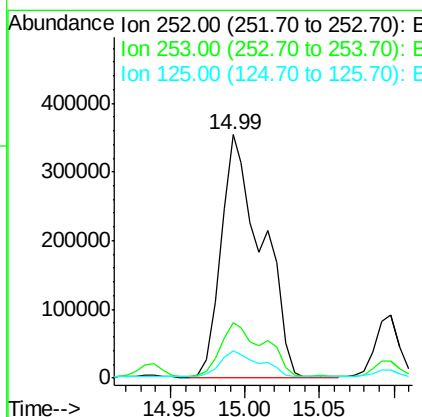
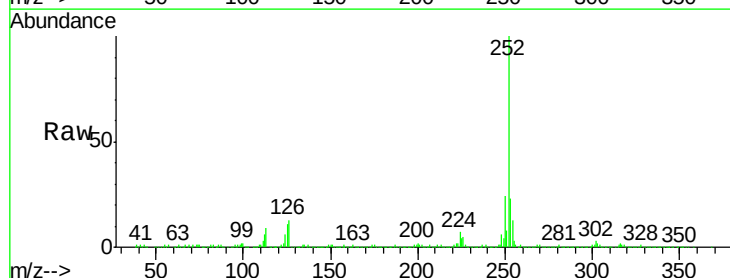
Instrument :
BNA_F
ClientSampleId :
SB-12

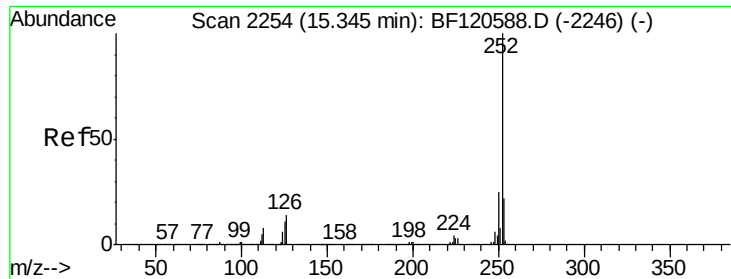
Tot Ion:252 Resp: 671283
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.0 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 27.717 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion:252 Resp: 671283
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 11.0 8.3 12.5

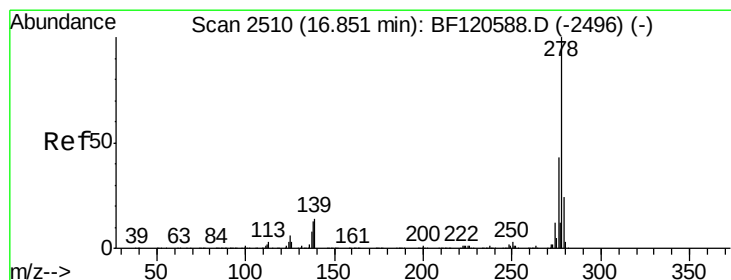
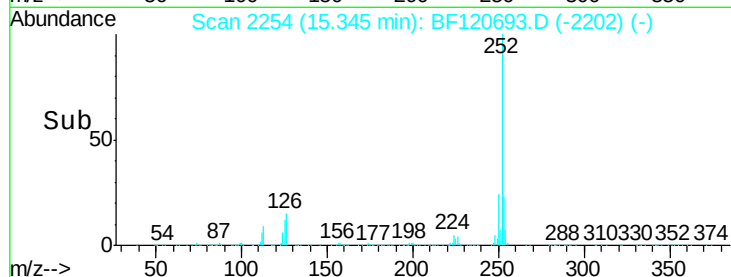
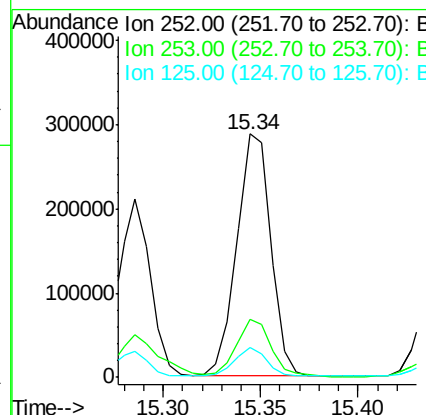
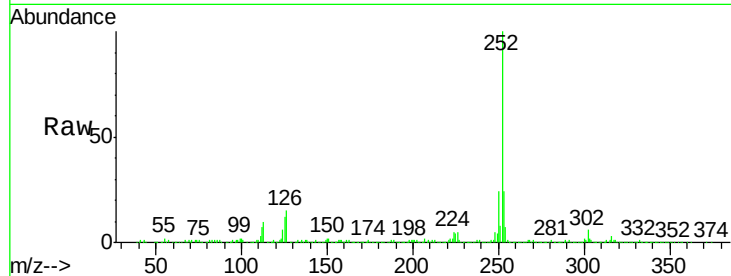




#90
Benzo(a)pyrene
Concen: 14.224 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

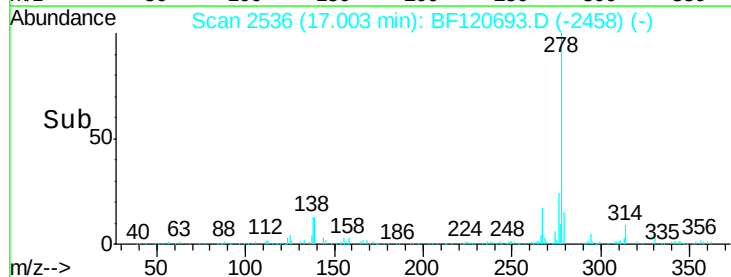
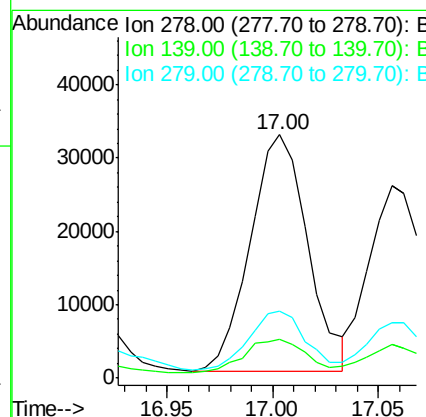
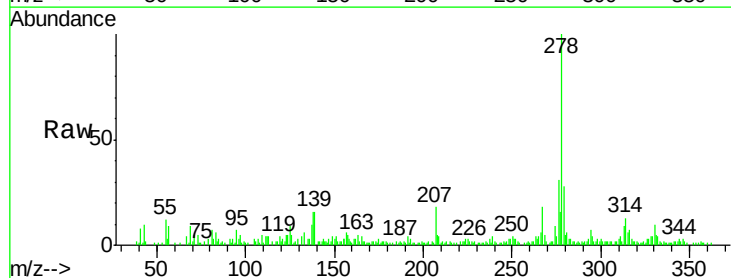
Instrument :
BNA_F
ClientSampleId :
SB-12

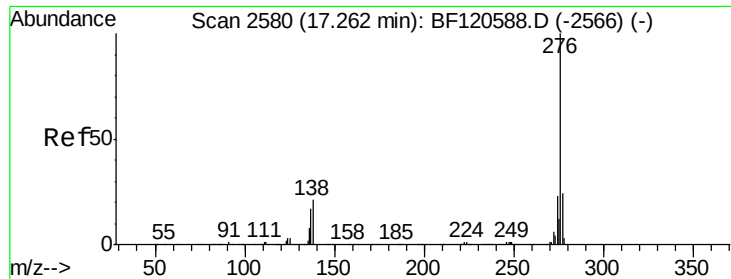
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.3	8.6	12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.720 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.16 min
Lab File: BF120693.D
Acq: 22 Jun 2020 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.8	11.4	17.2
279	27.6	19.1	28.7





#92

Benzo(a,h,i)perylene

Concen: 9.694 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF120693.D

Acq: 22 Jun 2020 23:34

Instrument :

BNA_F

ClientSampleId :

SB-12

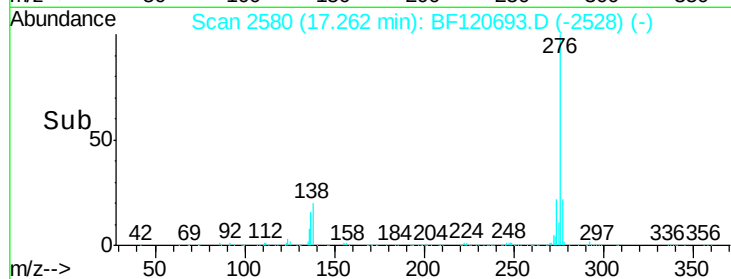
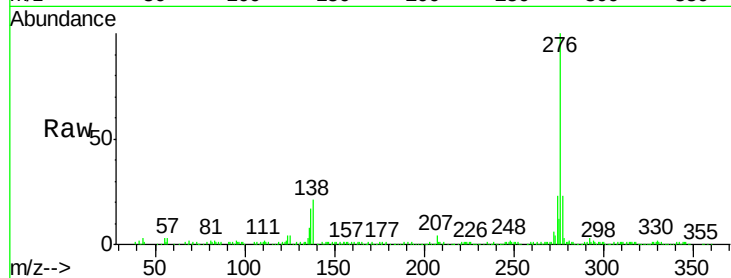
Tot Ion: 276 Resp: 219001

Ion Ratio Lower Upper

276 100

277 23.3 19.6 29.4

138 20.6 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

