

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121112.D
 Acq On : 29 Jul 2020 20:30
 Operator : JU/CG
 Sample : L3436-18 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18

Quant Time: Jul 30 00:55:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155778	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	548361	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	265063	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	441823	20.00	ng	0.00
76) Chrysene-d12	13.96	240	382153	20.00	ng	0.00
86) Perylene-d12	15.42	264	339331	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	154294	16.24	ng	0.00
7) Phenol-d6	6.44	99	186179	15.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	104127	10.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	41328	14.24	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	224337	12.64	ng	0.00
79) Terphenyl-d14	12.91	244	197557	11.24	ng	0.00

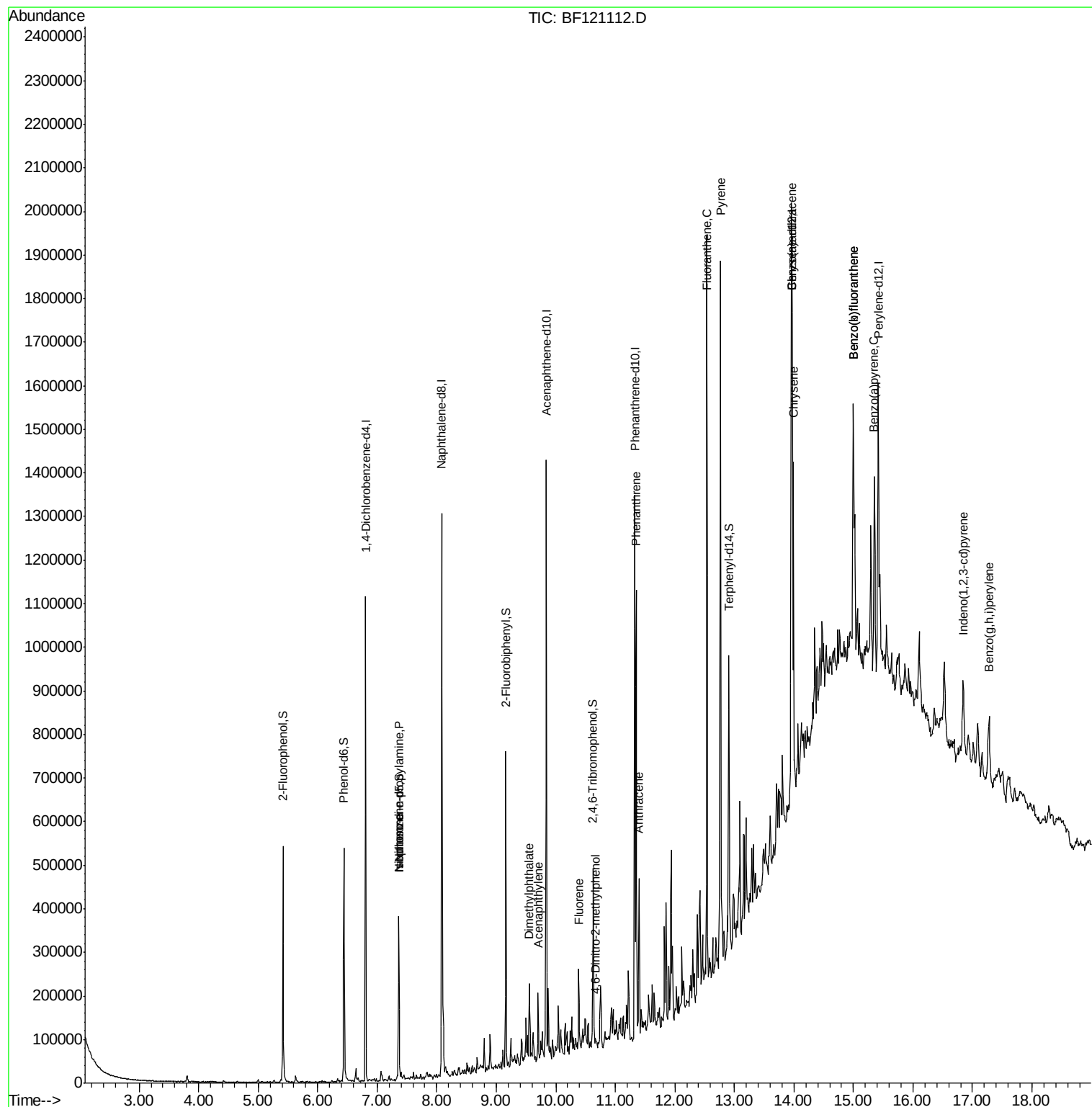
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	368	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	14659	2.100	ng	# 84
25) Isophorone	7.36	82	101037	5.342	ng	# 62
49) Acenaphthylene	9.70	152	57232	2.235	ng	98
50) Dimethylphthalate	9.56	163	52463	2.744	ng	99
58) Fluorene	10.39	166	46217	2.632	ng	98
65) 4,6-Dinitro-2-methylphenol	10.66	198	558	4.043	ng	# 1
71) Phenanthrene	11.35	178	361313	15.901	ng	98
72) Anthracene	11.40	178	133633	5.857	ng	99
75) Fluoranthene	12.54	202	648099	25.732	ng	97
78) Pyrene	12.77	202	661965	24.501	ng	99
81) Benzo(a)anthracene	13.96	228	327432	14.149	ng	95
83) Chrysene	13.99	228	317909	13.072	ng	97
87) Indeno(1,2,3-cd)pyrene	16.84	276	120367	5.100	ng	96
88) Benzo(b)fluoranthene	15.00	252	443887	21.641	ng	# 96
89) Benzo(k)fluoranthene	15.00	252	443887	23.729	ng	# 96
90) Benzo(a)pyrene	15.36	252	241192	12.888	ng	97
92) Benzo(a,h,i)perylene	17.28	276	111244	5.853	ng	96

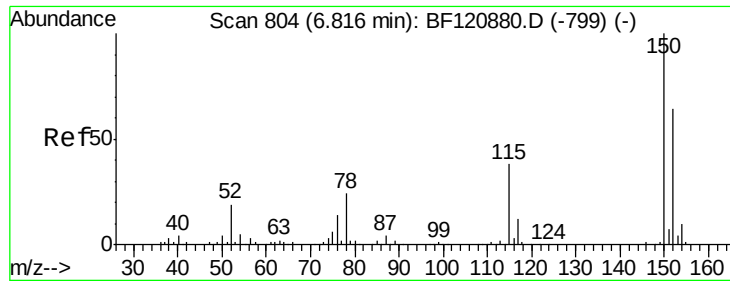
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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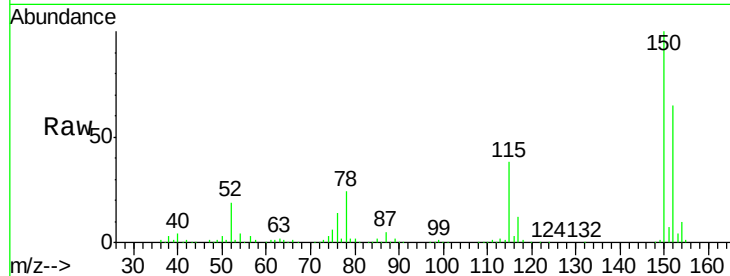


#1

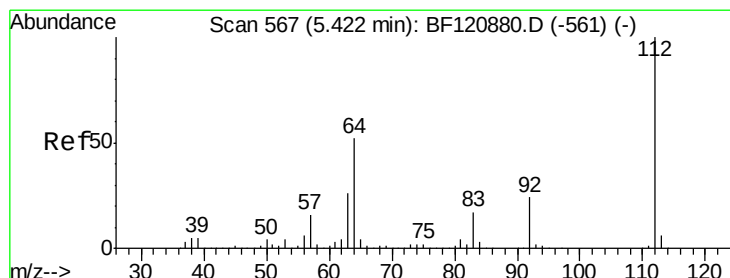
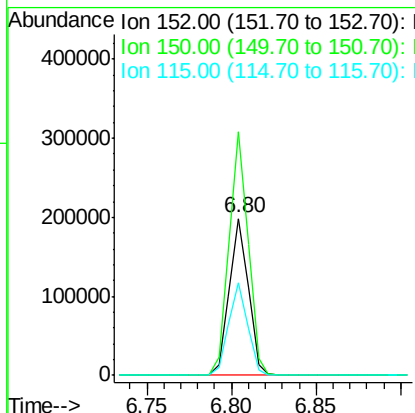
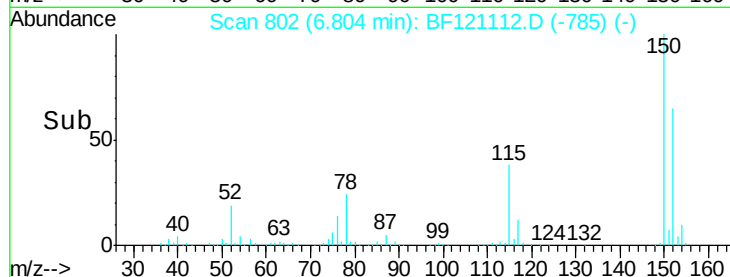
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Instrument :
 BNA_F
 ClientSampled :
 18

Tot Ion:152 Resp: 155778
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.6 188.4
 115 58.7 46.2 69.2



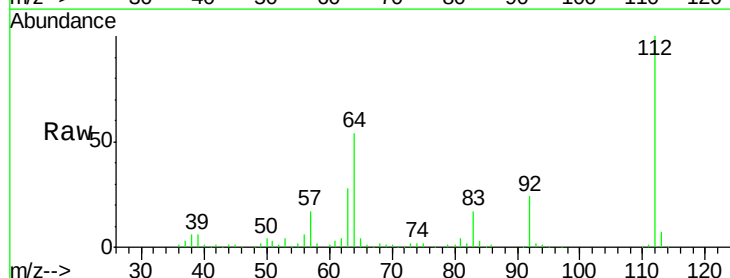
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



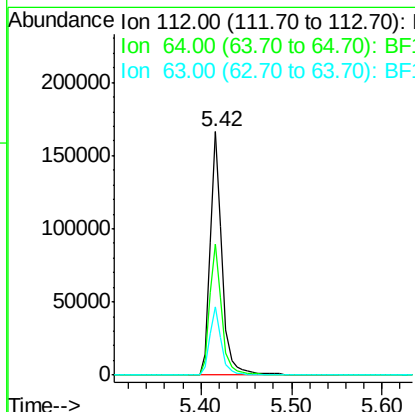
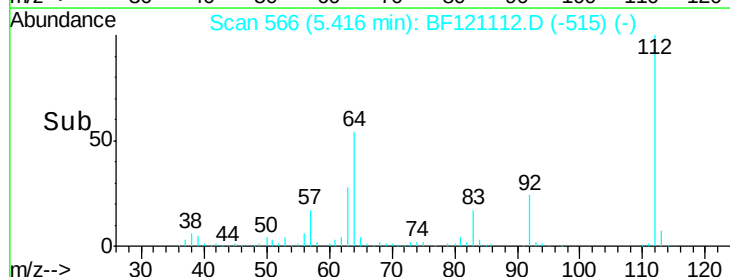
#5

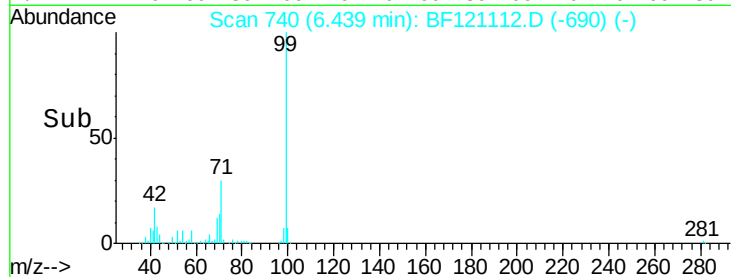
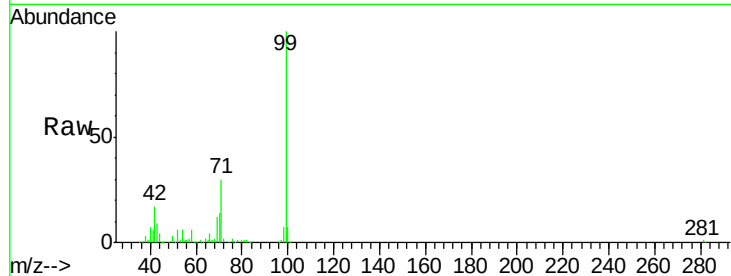
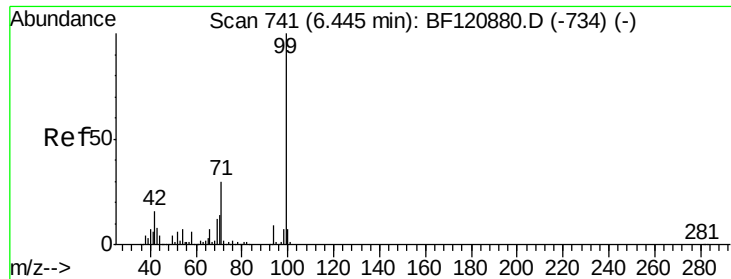
2-Fluorophenol
 Concen: 16.237 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion:112 Resp: 154294
 Ion Ratio Lower Upper
 112 100
 64 53.6 43.9 65.9
 63 28.0 22.7 34.1



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: 15.168 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

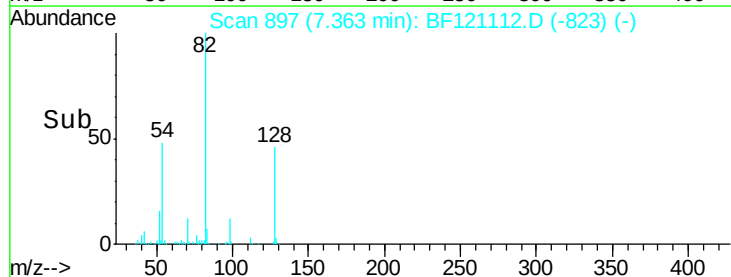
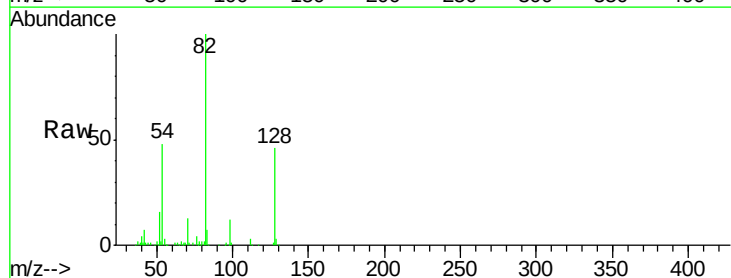
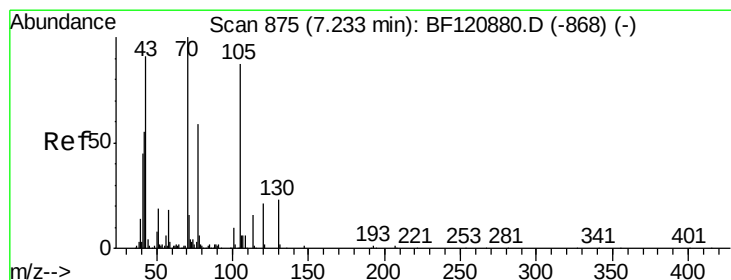
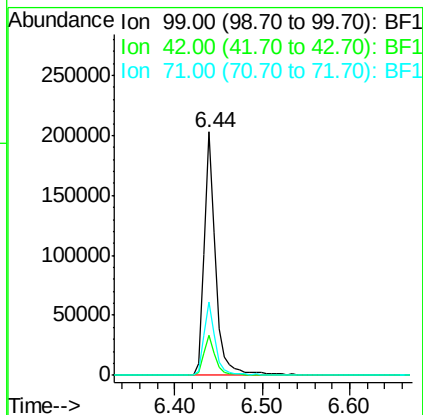
Tot Ion: 99 Resp: 186179

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 30.3 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.100 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Tgt Ion: 70 Resp: 14659

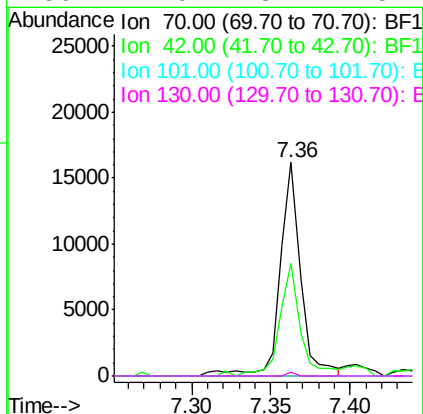
Ion Ratio Lower Upper

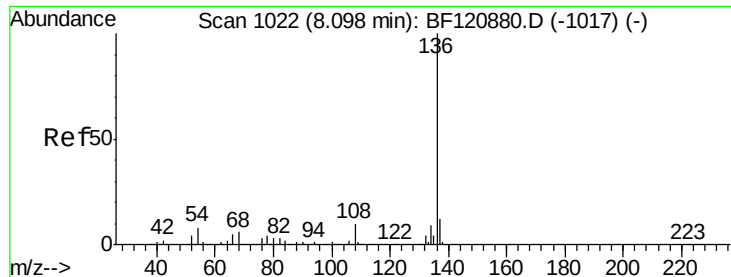
70 100

42 52.6 43.3 64.9

101 0.0 8.4 12.6#

130 2.0 18.7 28.1#

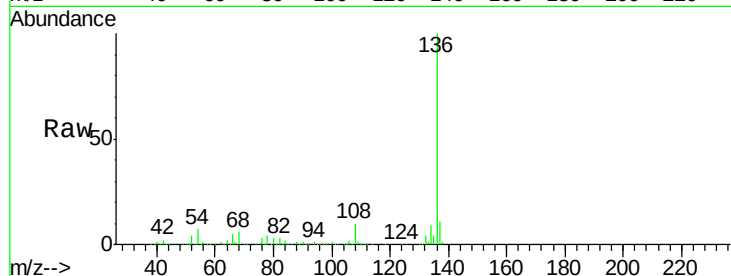




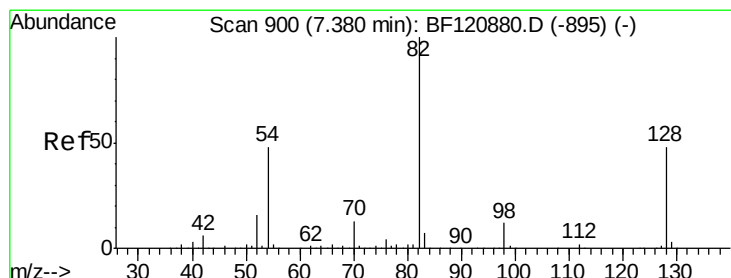
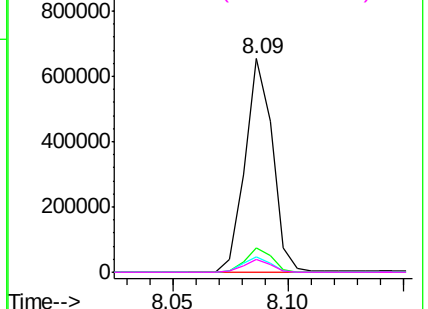
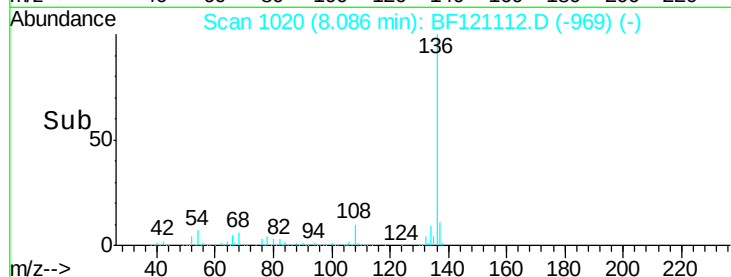
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampled :
18

Tot Ion:	136	Resp:	548361
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.4	6.1	9.1
68	5.9	5.0	7.6

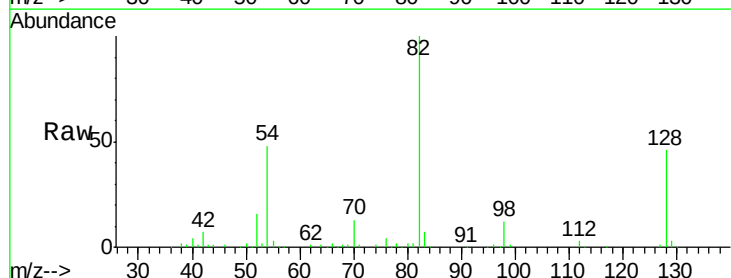


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

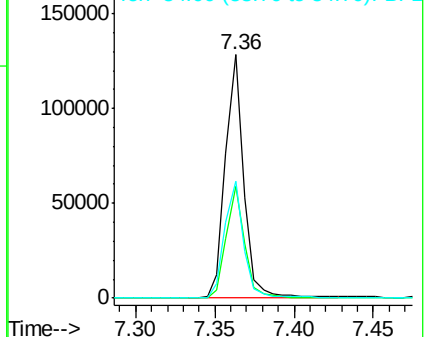
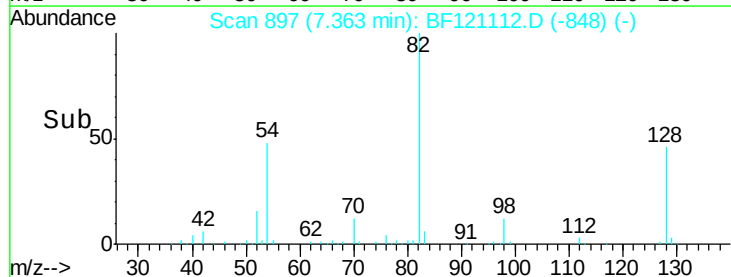


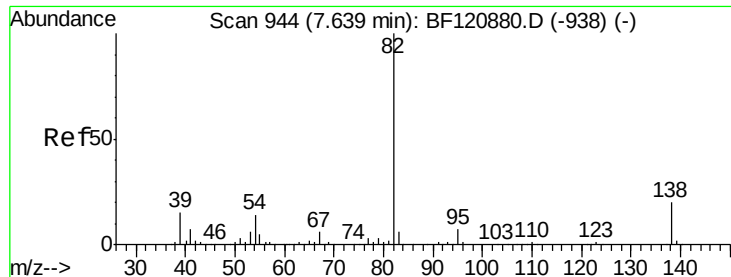
#23
Nitrobenzene-d5
Concen: 10.987 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion:	82	Resp:	104127
Ion	Ratio	Lower	Upper
82	100		
128	46.1	39.2	58.8
54	48.1	37.8	56.8



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

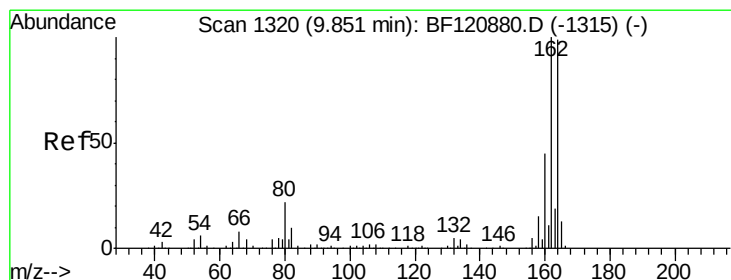
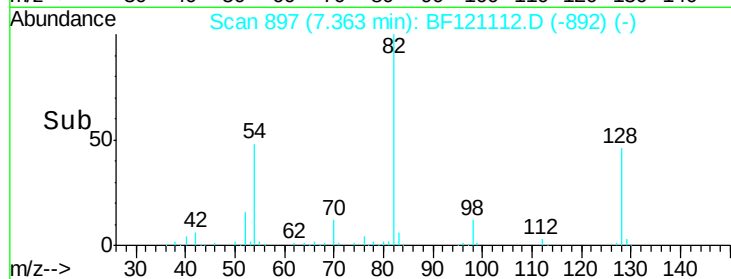
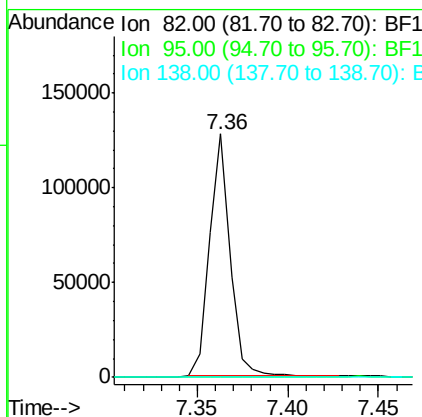
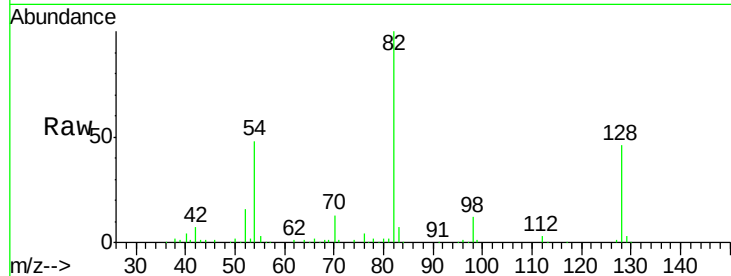




#25
Isophorone
Concen: 5.342 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.27 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

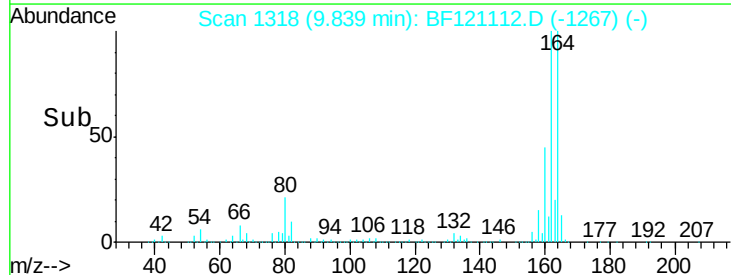
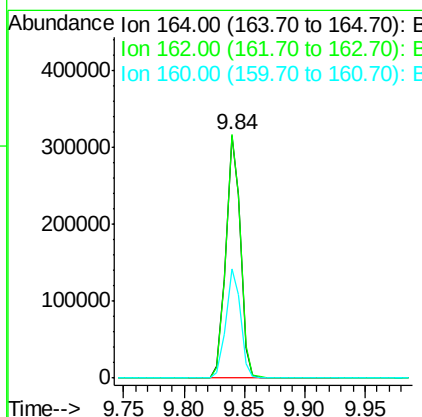
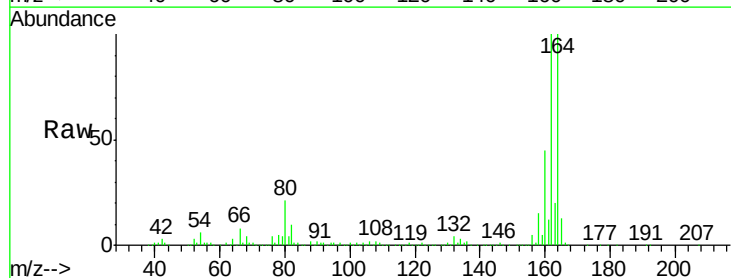
Instrument :
BNA_F
ClientSampleId :
18

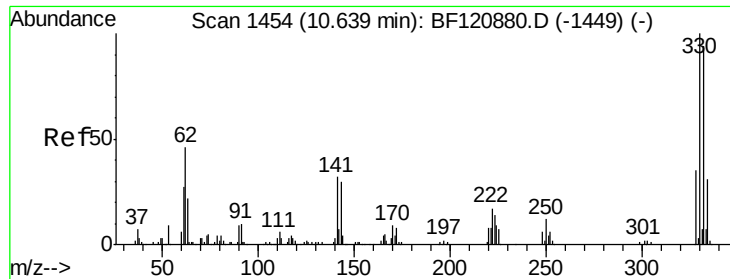
Tot Ion: 82 Resp: 101037
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 16.2 24.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion: 164 Resp: 265063
Ion Ratio Lower Upper
164 100
162 100.2 82.2 123.2
160 44.9 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 14.244 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

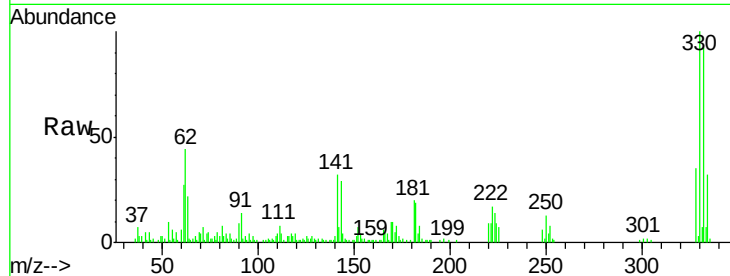
Tot Ion:330 Resp: 41328

Ion Ratio Lower Upper

330 100

332 92.3 76.1 114.1

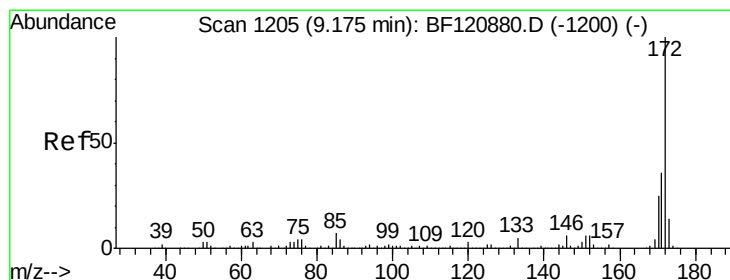
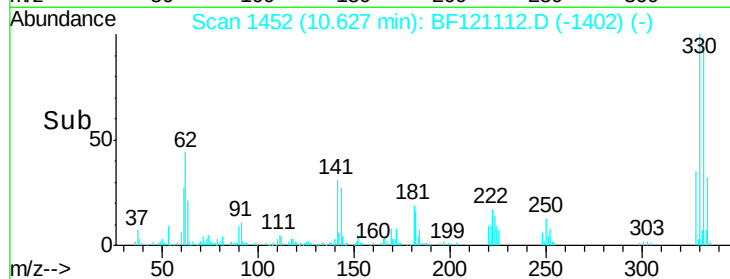
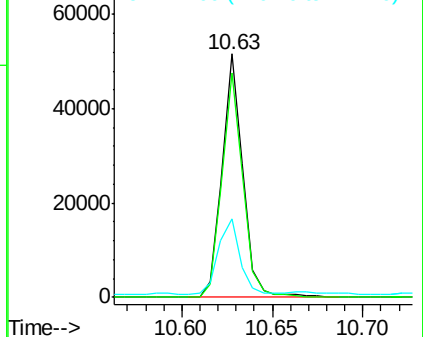
141 31.6 24.1 36.1



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: 12.636 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

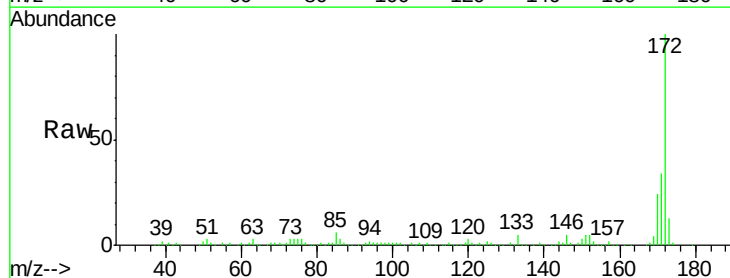
Tgt Ion:172 Resp: 224337

Ion Ratio Lower Upper

172 100

171 34.1 29.0 43.4

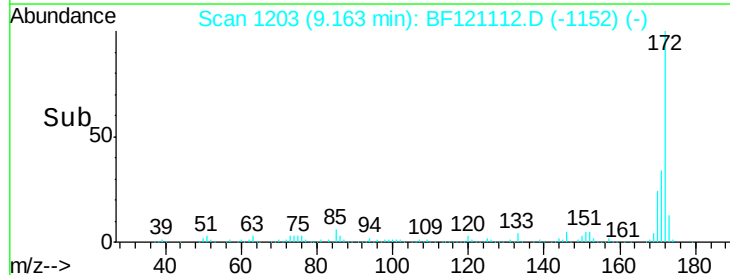
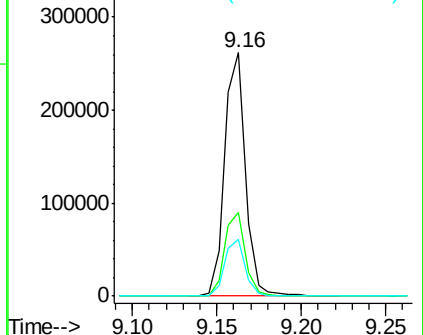
170 23.5 19.6 29.4

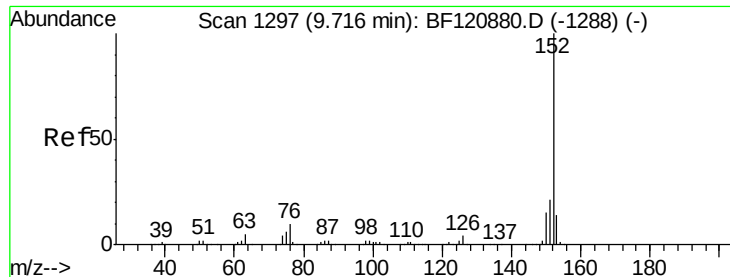


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.235 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

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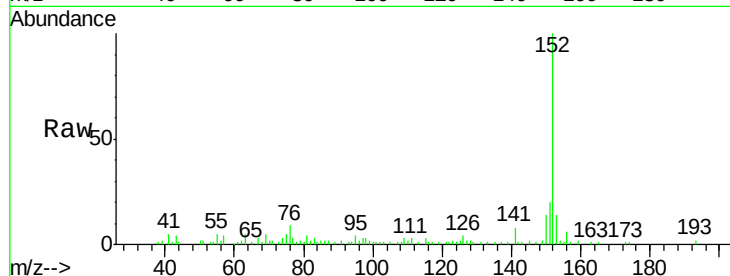
Tot Ion:152 Resp: 57232

Ion Ratio Lower Upper

152 100

151 19.7 16.6 25.0

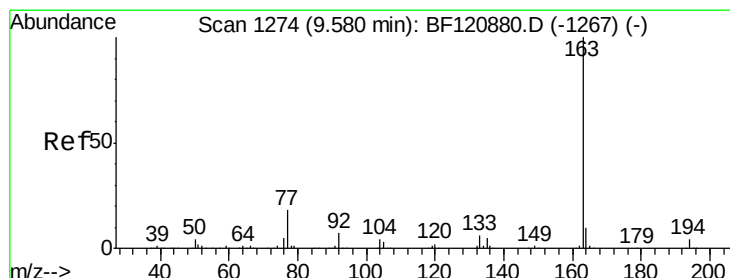
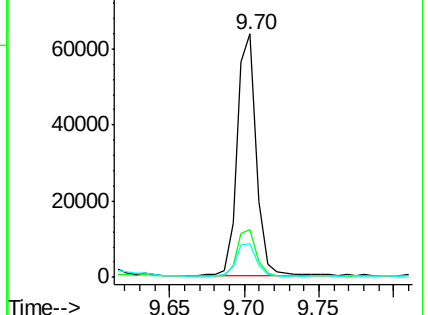
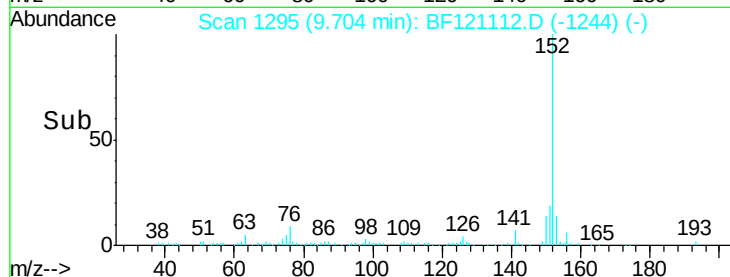
153 13.9 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.744 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

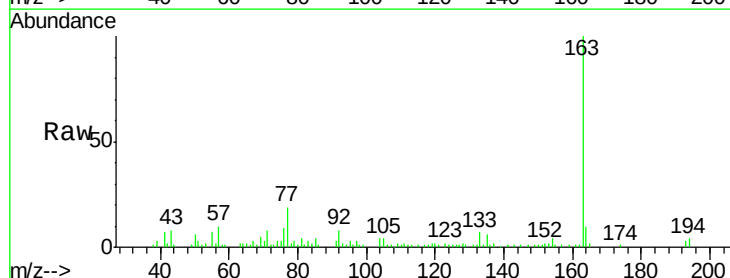
Tgt Ion:163 Resp: 52463

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

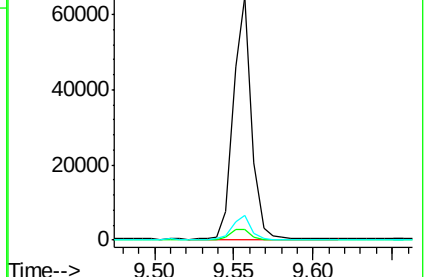
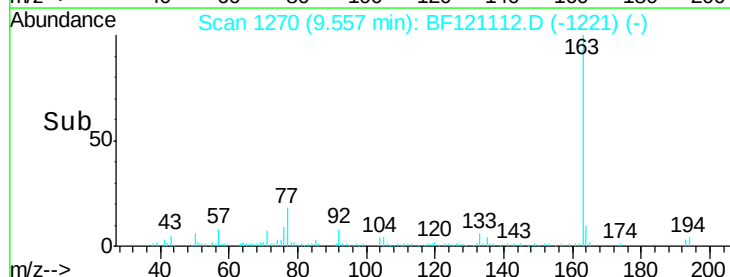
164 10.3 8.4 12.6

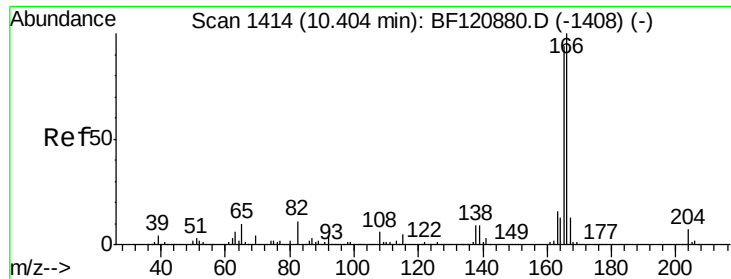


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

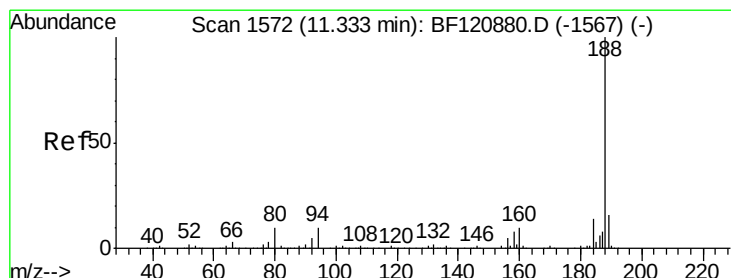
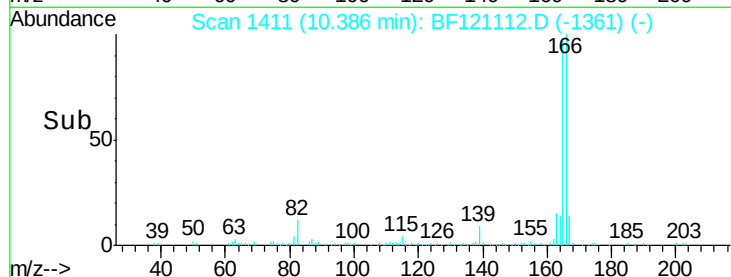
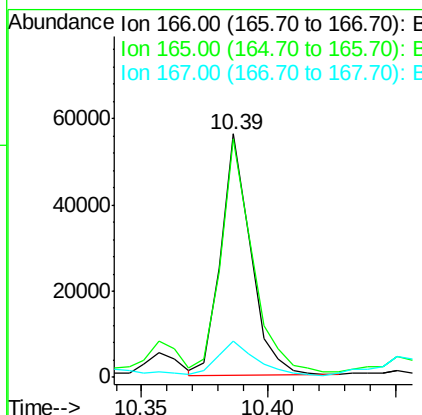
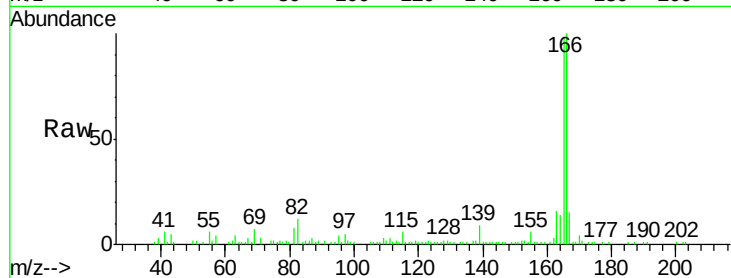




#58
 Fluorene
 Concen: 2.632 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

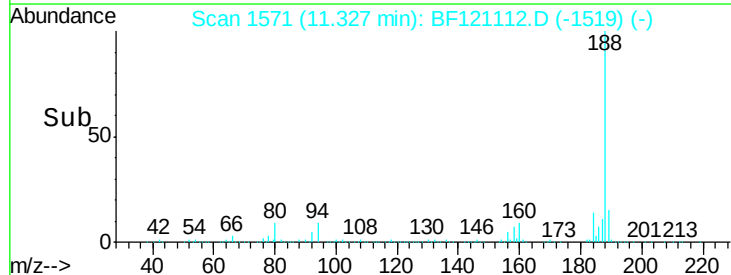
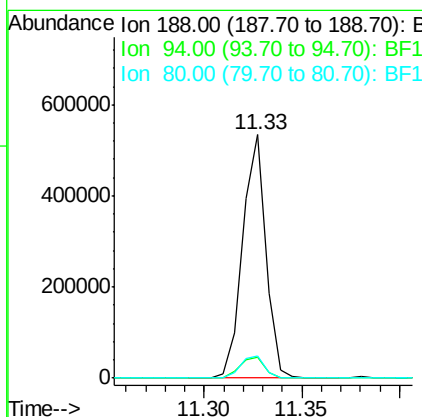
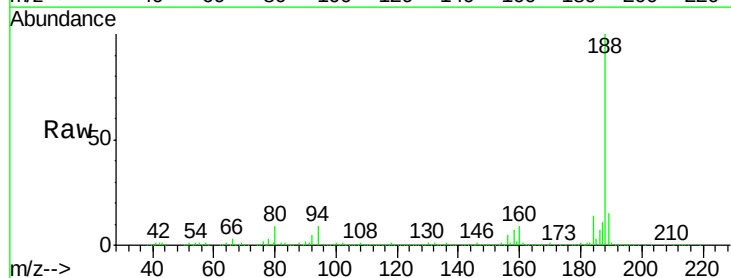
Instrument :
 BNA_F
 ClientSampleId :
 18

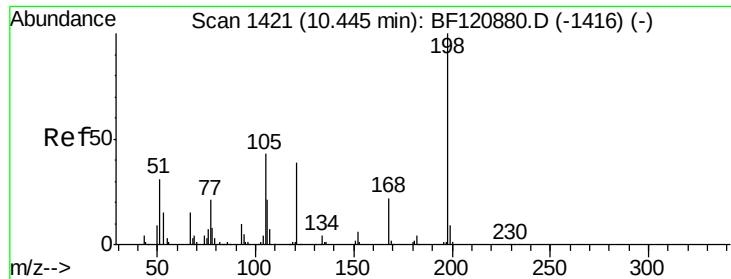
Tot Ion:166 Resp: 46217
 Ion Ratio Lower Upper
 166 100
 165 97.7 76.4 114.6
 167 14.9 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion:188 Resp: 441823
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.0 12.0
 80 9.1 8.3 12.5

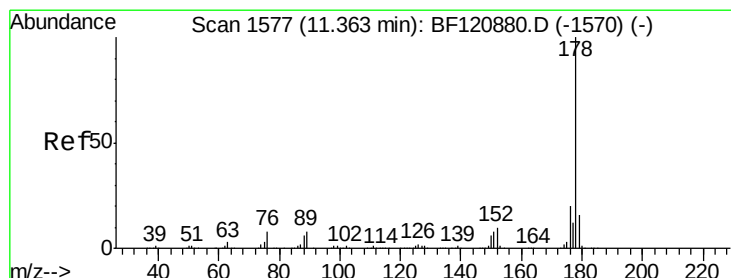
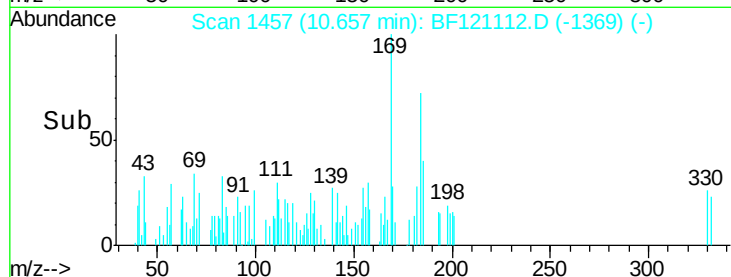
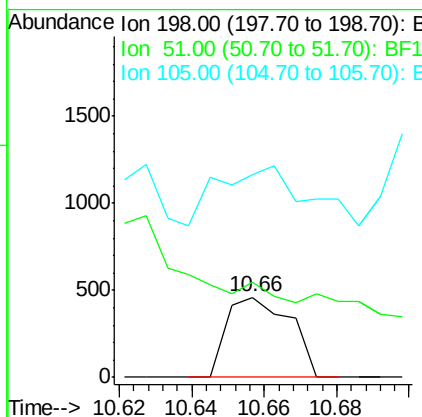
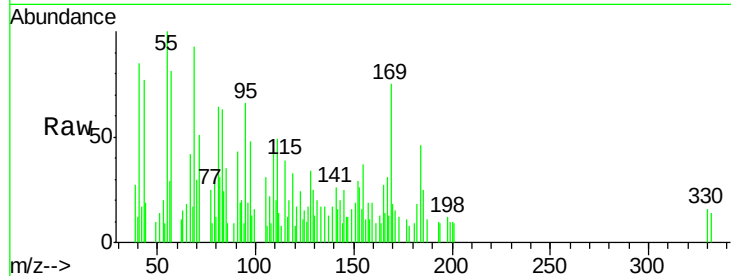




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.043 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.22 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

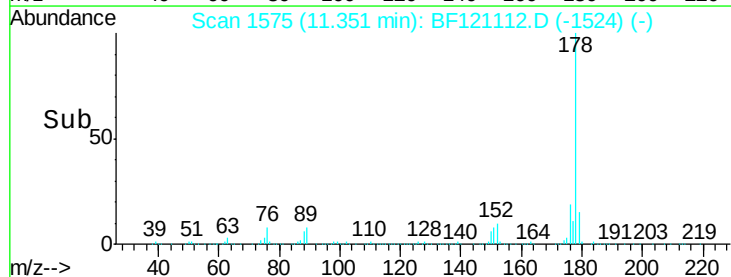
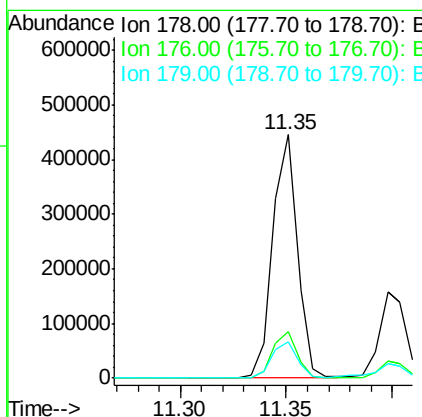
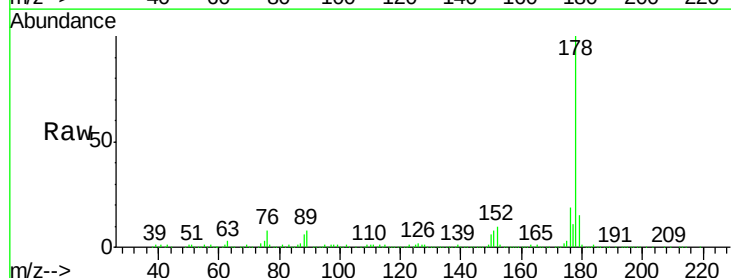
Instrument :
 BNA_F
 ClientSampleId :
 18

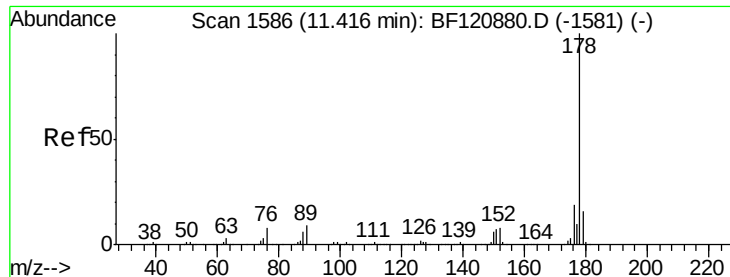
Tot Ion:198 Resp: 558
 Ion Ratio Lower Upper
 198 100
 51 119.6 23.4 63.4#
 105 253.8 23.7 63.7#



#71
 Phenanthrene
 Concen: 15.901 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion:178 Resp: 361313
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 15.1 12.6 19.0





#72

Anthracene

Concen: 5.857 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

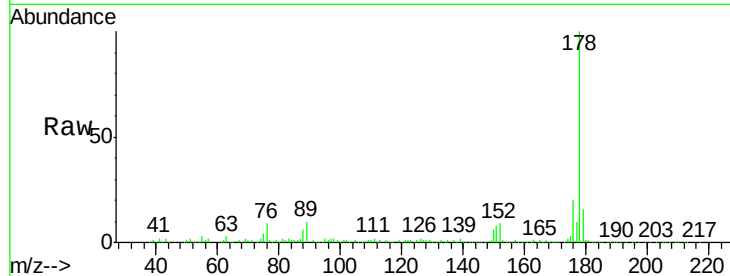
Tot Ion:178 Resp: 133633

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

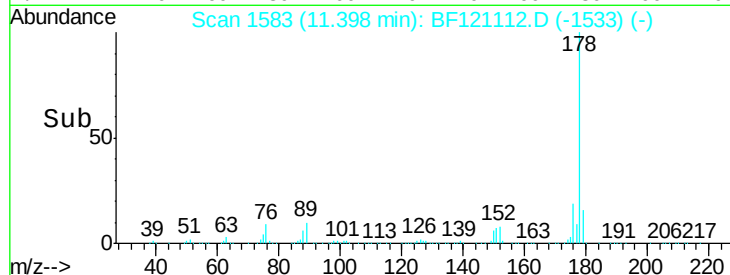
179 16.2 12.6 19.0



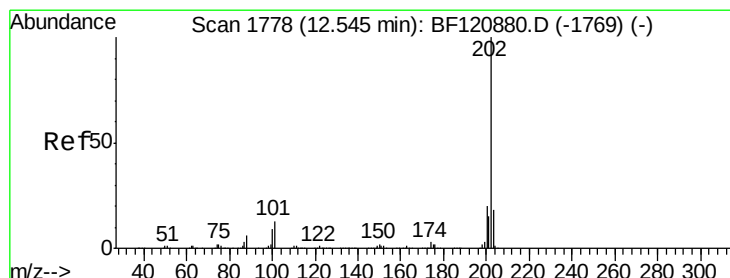
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 25.732 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

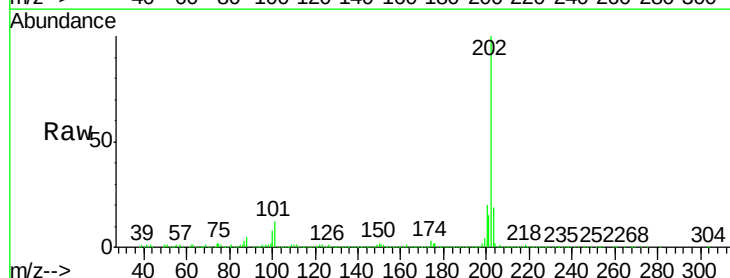
Tgt Ion:202 Resp: 648099

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.5

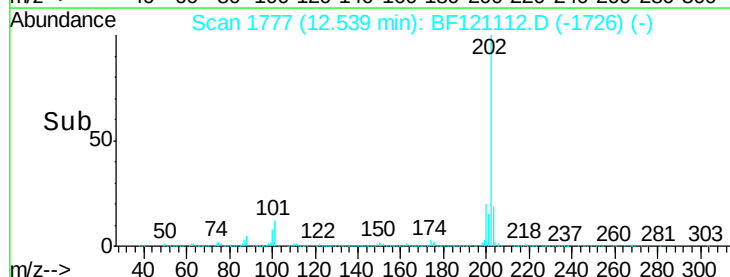
203 18.6 0.0 37.7



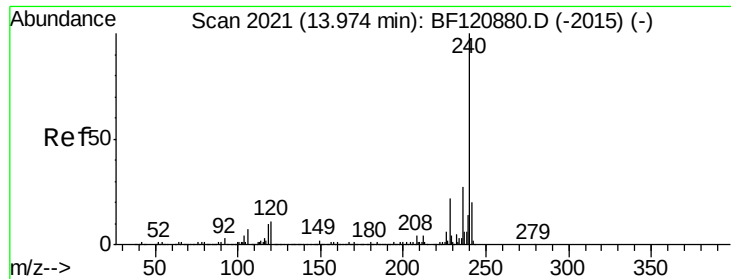
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



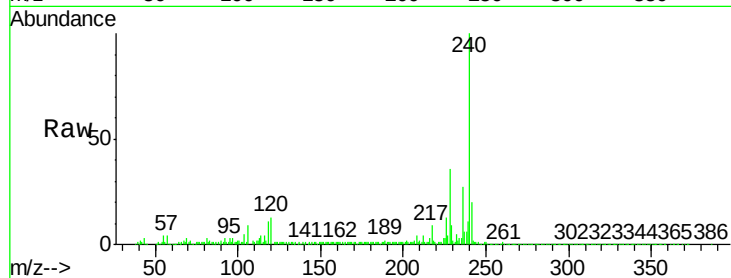
Time-->



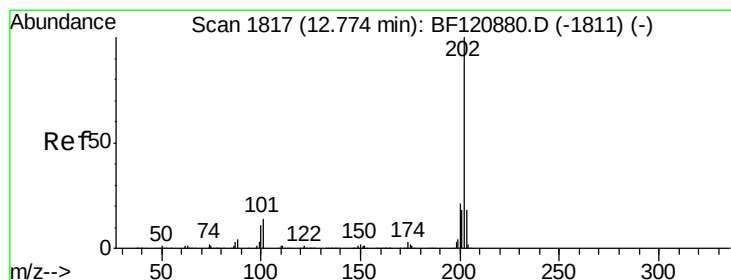
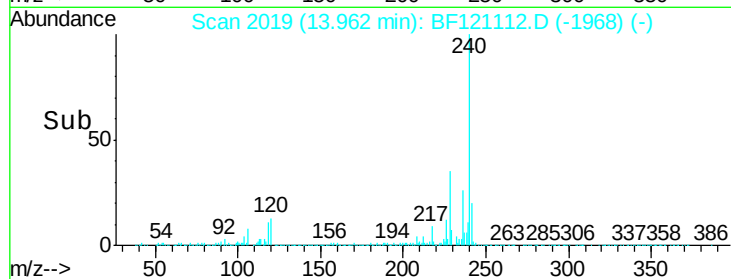
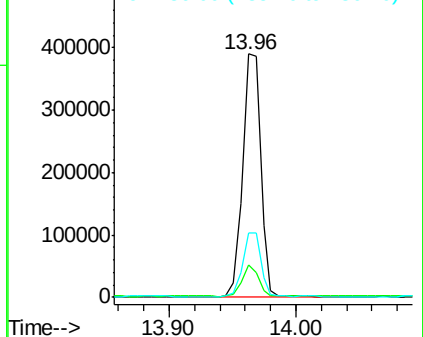
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Instrument :
BNA_F
ClientSampled :
18

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.3	13.9
236	26.7	21.1	31.7

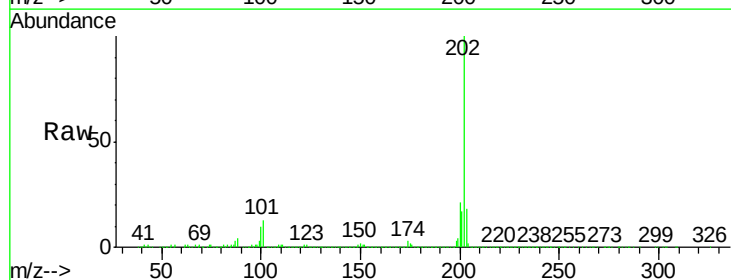


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

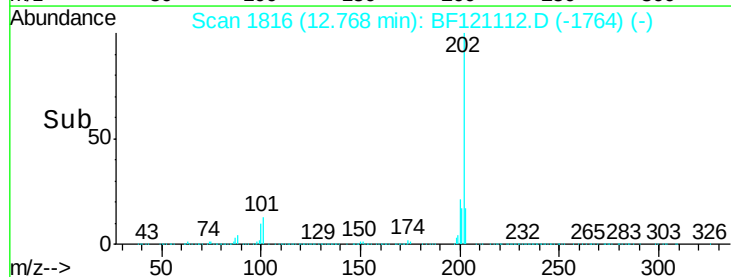
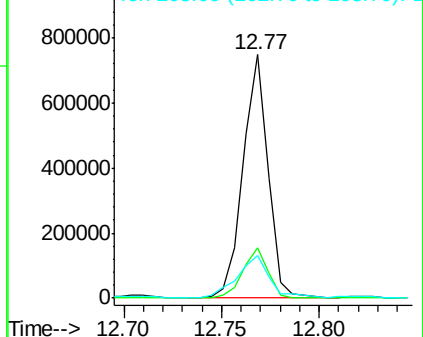


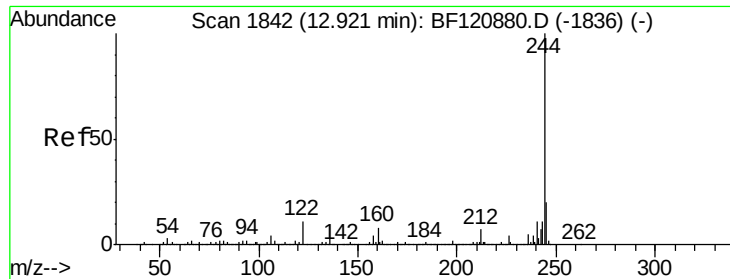
#78
Pyrene
Concen: 24.501 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	17.7	14.6	21.8



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: 11.238 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

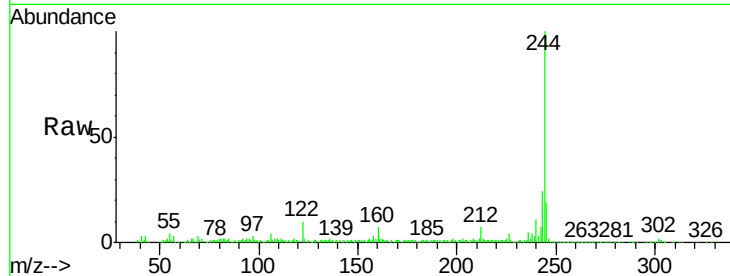
Tot Ion:244 Resp: 197557

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

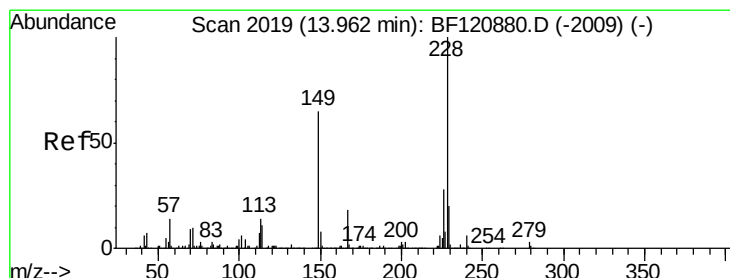
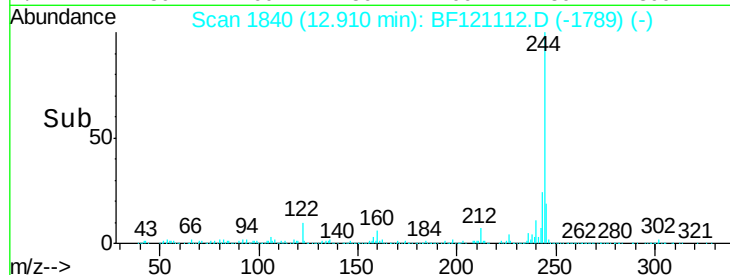
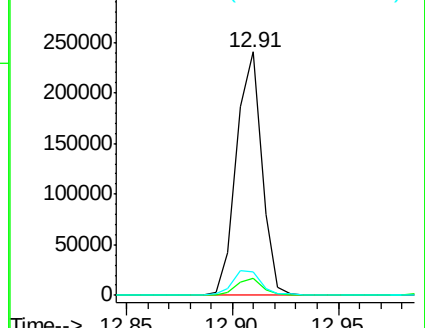
122 9.9 8.3 12.5



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: 14.149 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

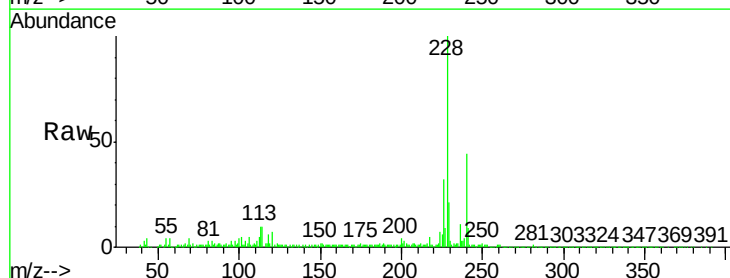
Tgt Ion:228 Resp: 327432

Ion Ratio Lower Upper

228 100

226 32.1 22.6 34.0

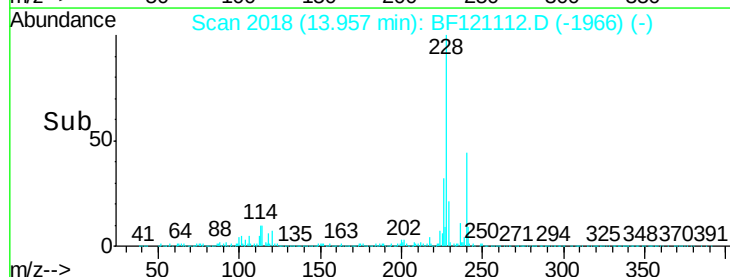
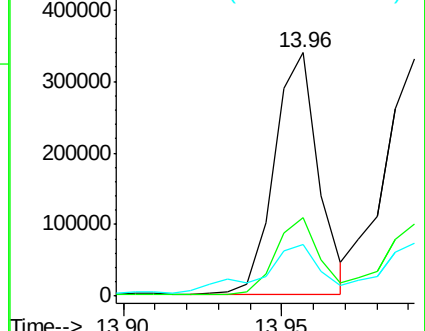
229 21.3 16.1 24.1

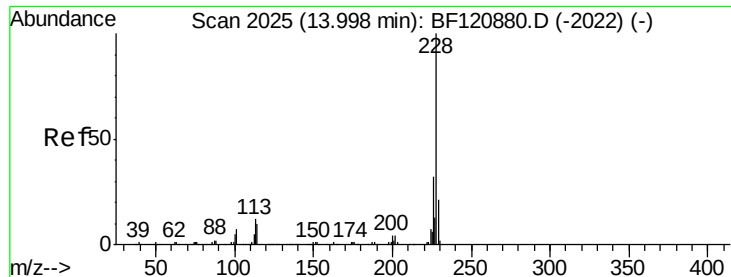


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.072 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

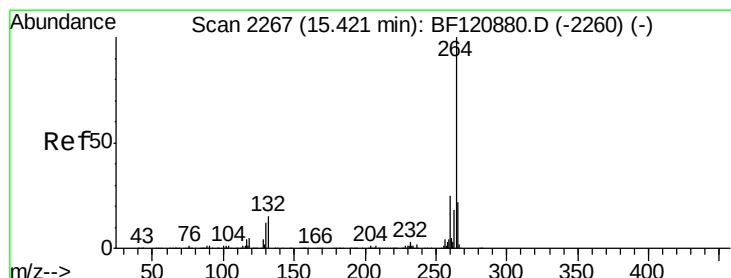
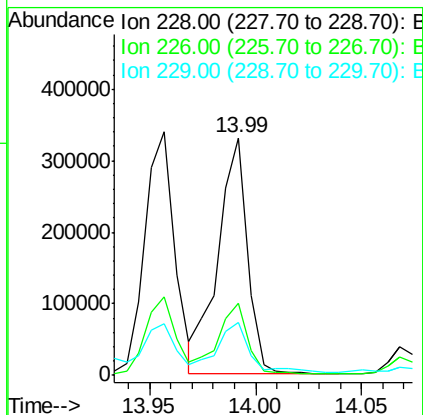
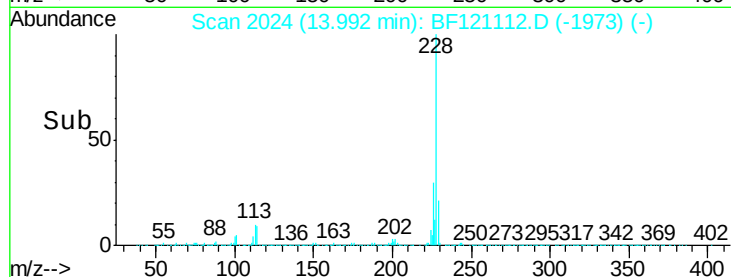
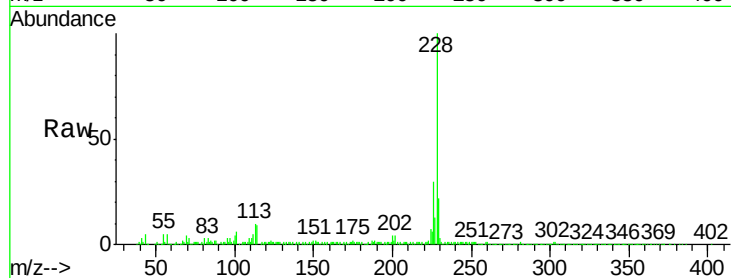
Tot Ion:228 Resp: 317909

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

229 22.4 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

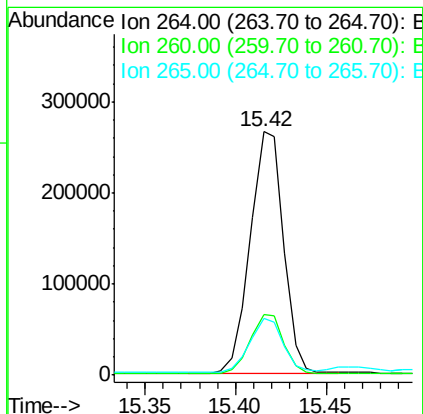
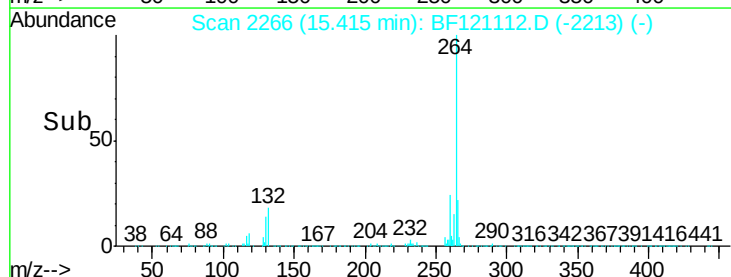
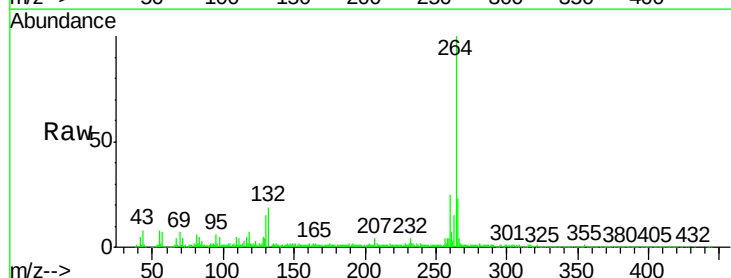
Tgt Ion:264 Resp: 339331

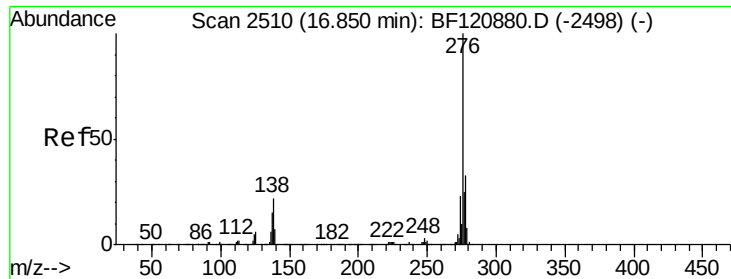
Ion Ratio Lower Upper

264 100

260 24.6 19.9 29.9

265 23.1 17.8 26.8

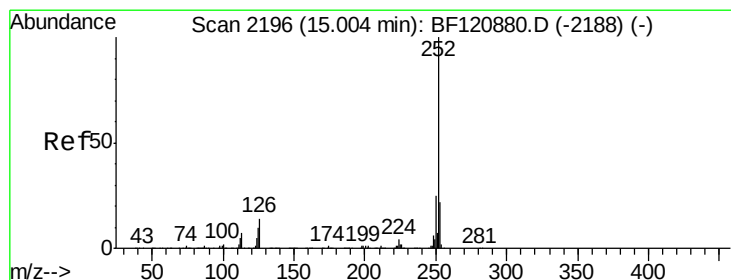
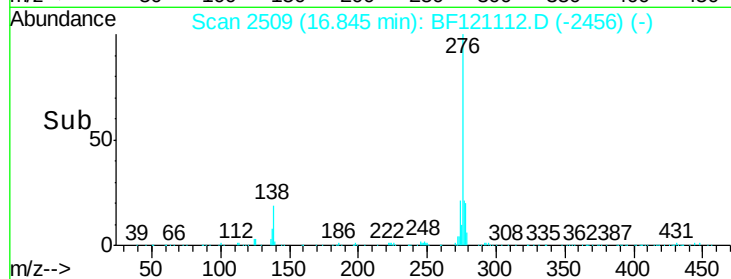
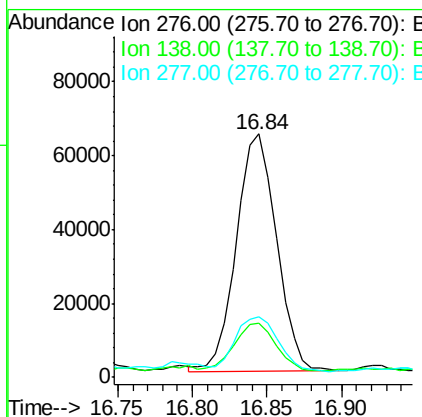
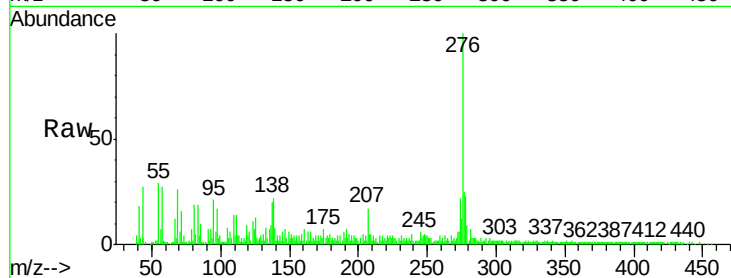




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.100 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

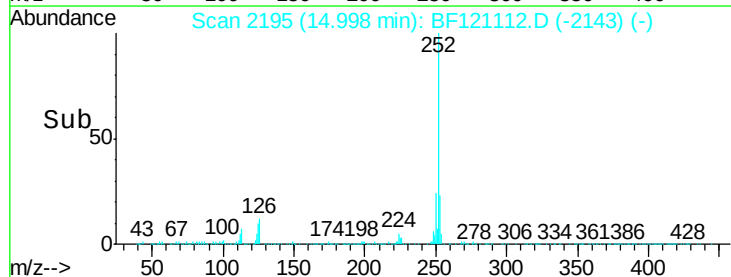
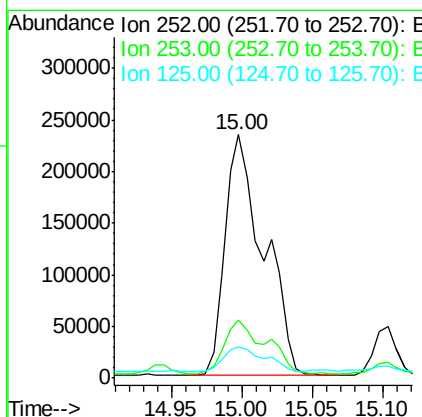
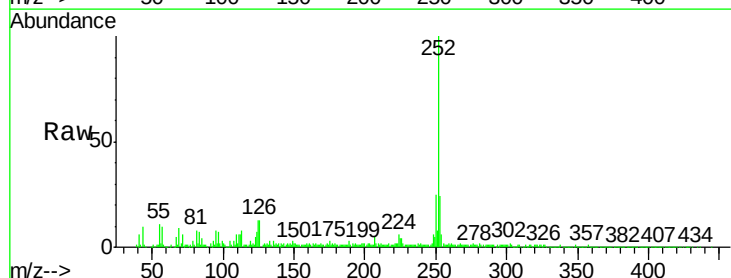
Instrument :
 BNA_F
 ClientSampleId :
 18

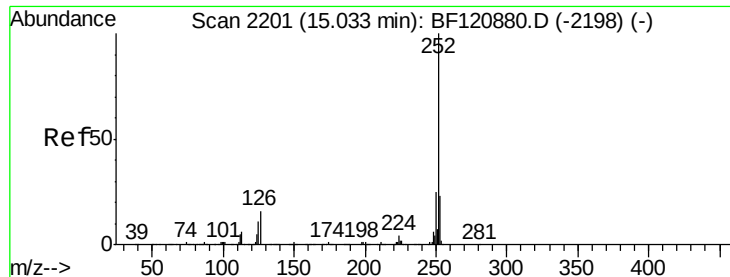
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.3	28.9
277	24.6	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 21.641 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121112.D
 Acq: 29 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	12.5	8.1	12.1

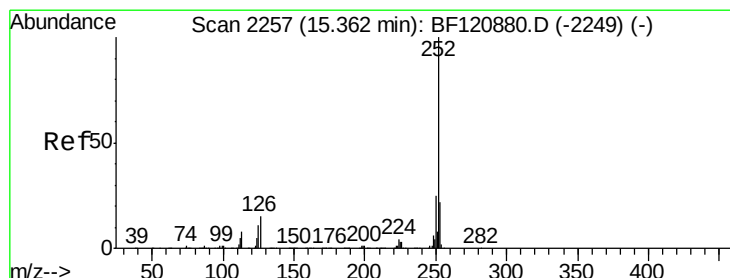
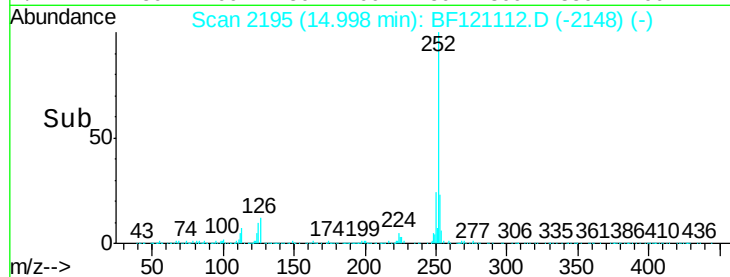
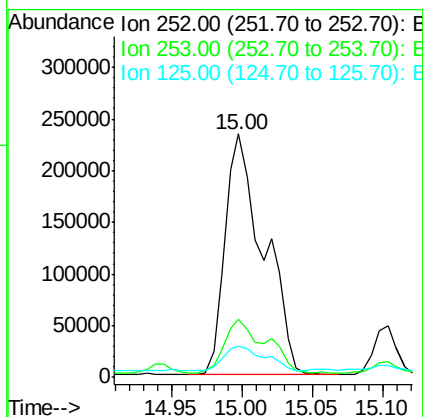
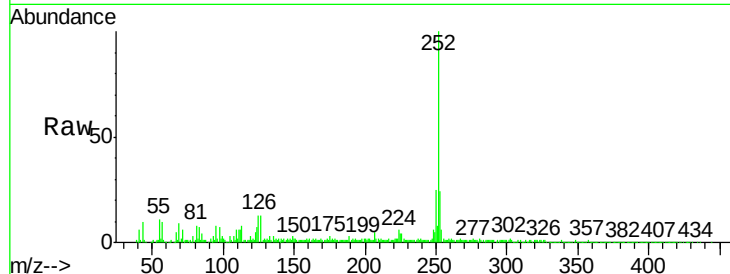




#89
Benzo(k)fluoranthene
Concen: 23.729 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

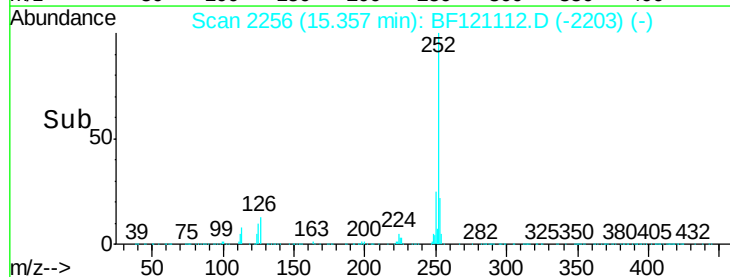
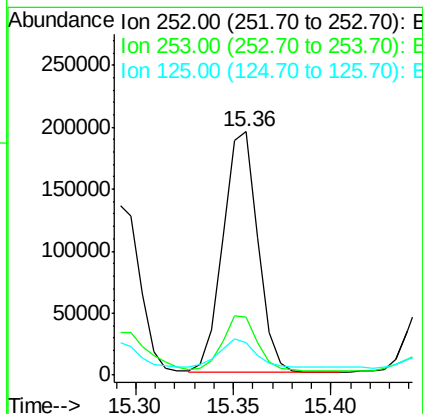
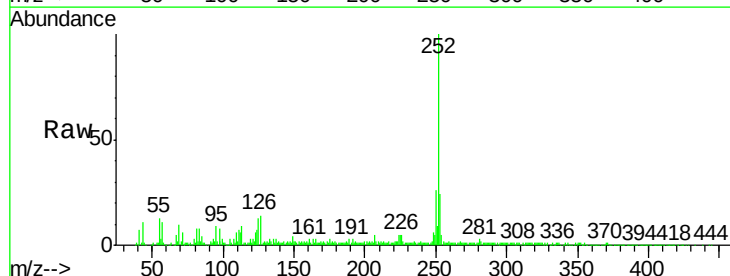
Instrument :
BNA_F
ClientSampleId :
18

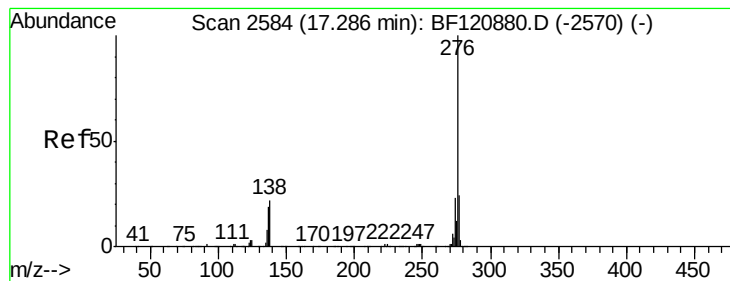
Tot Ion:252 Resp: 443887
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 12.5 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 12.888 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121112.D
Acq: 29 Jul 2020 20:30

Tgt Ion:252 Resp: 241192
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 13.1 9.5 14.3





#92

Benzo(a,h,i)perylene

Concen: 5.853 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.02 min

Lab File: BF121112.D

Acq: 29 Jul 2020 20:30

Instrument :

BNA_F

ClientSampleId :

18

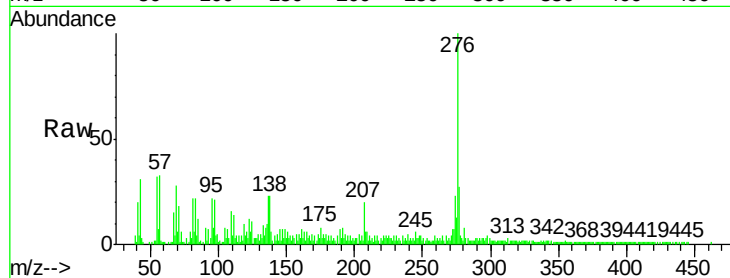
Tot Ion:276 Resp: 111244

Ion Ratio Lower Upper

276 100

277 26.5 19.4 29.0

138 23.5 17.2 25.8



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

