

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128607.D
 Acq On : 31 May 2022 21:32
 Operator : CG\JU
 Sample : N3109-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB-10

Quant Time: Jun 01 00:59:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

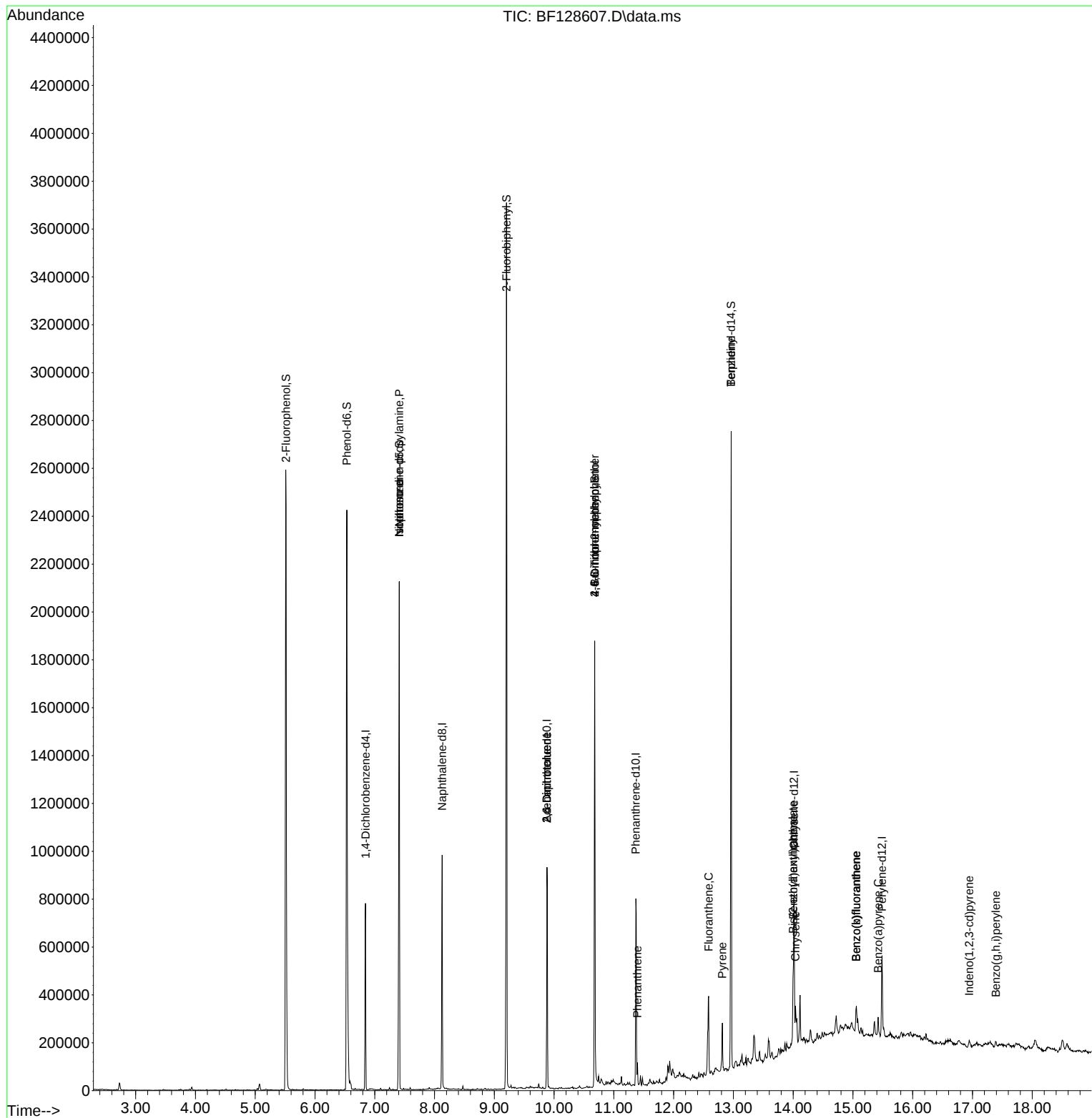
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	104863	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	379353	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	188391	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	290413	20.000	ng	0.00
76) Chrysene-d12	14.015	240	188962	20.000	ng	# 0.00
86) Perylene-d12	15.486	264	151213	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	722867	114.183	ng	0.06
7) Phenol-d6	6.534	99	903823	111.971	ng	0.06
23) Nitrobenzene-d5	7.410	82	649238	98.730	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	203575	113.528	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1099042	94.779	ng	0.00
79) Terphenyl-d14	12.963	244	865239	88.463	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	348	Below Cal	#	58
19) n-Nitroso-di-n-propyla...	7.410	70	92459	18.682	ng	# 78
25) Isophorone	7.410	82	647662	53.390	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	23342	10.422	ng	# 26
57) 2,4-Dinitrotoluene	9.880	165	23342	8.712	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.680	198	576	5.882	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	13022	4.340	ng	# 1
71) Phenanthrene	11.392	178	29633	2.154	ng	98
75) Fluoranthene	12.586	202	88771	6.036	ng	95
77) Benzidine	12.963	184	13738	3.152	ng	# 94
78) Pyrene	12.816	202	77759	5.462	ng	97
81) Benzo(a)anthracene	14.004	228	53315	4.747	ng	94
83) Chrysene	14.039	228	48897	4.251	ng	96
84) Bis(2-ethylhexyl)phtha...	13.998	149	43433	5.981	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	20629	2.313	ng	93
88) Benzo(b)fluoranthene	15.057	252	77786	8.269	ng	97
89) Benzo(k)fluoranthene	15.057	252	77786	8.925	ng	97
90) Benzo(a)pyrene	15.421	252	35325	4.681	ng	98
92) Benzo(g,h,i)perylene	17.392	276	17318	2.361	ng	# 92

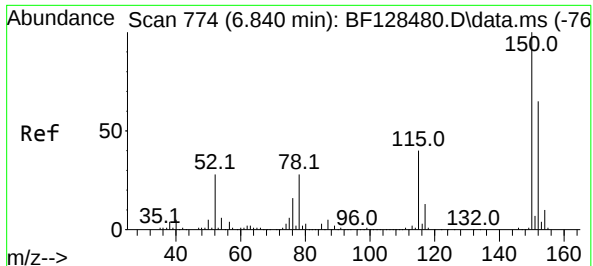
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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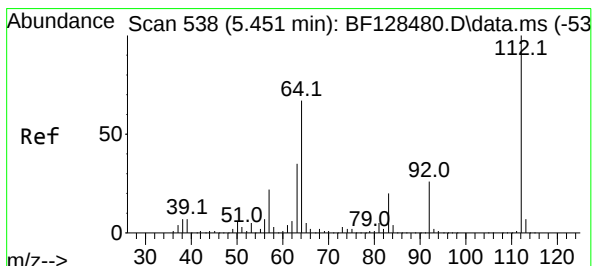
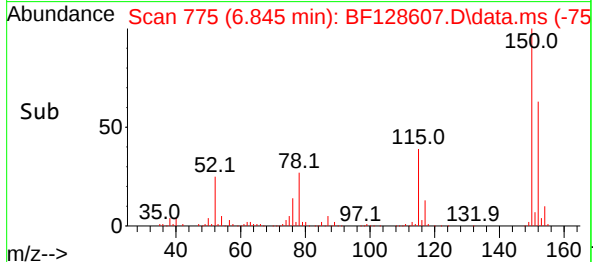
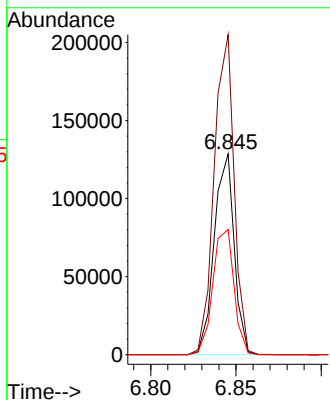
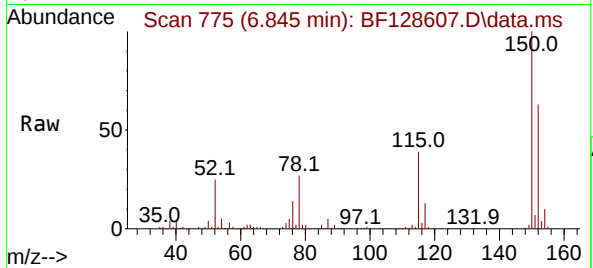




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

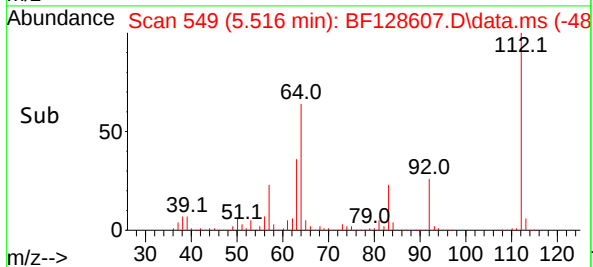
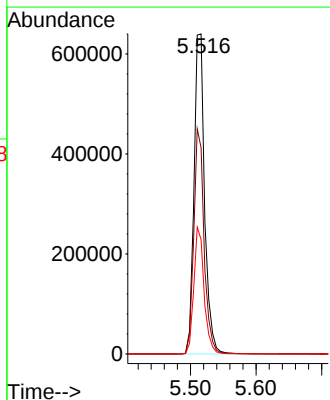
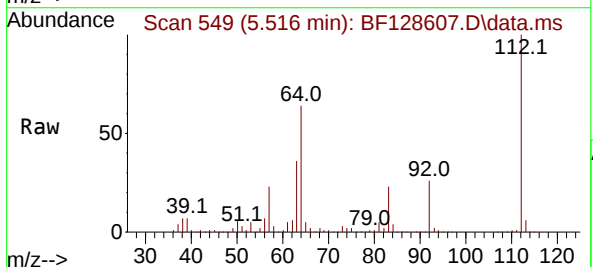
Instrument :
BNA_F
ClientSampleId :
BB-10

Tgt Ion:152 Resp: 104863
Ion Ratio Lower Upper
152 100
150 159.4 123.7 185.5
115 62.4 49.9 74.9



#5
2-Fluorophenol
Concen: 114.183 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.065 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:112 Resp: 722867
Ion Ratio Lower Upper
112 100
64 64.5 53.3 79.9
63 35.8 28.0 42.0

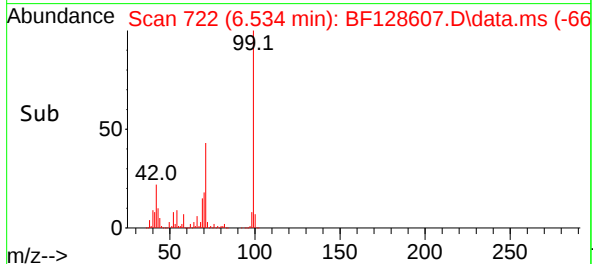
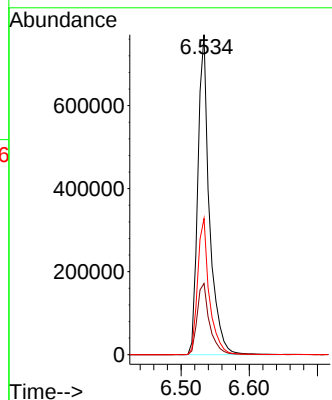
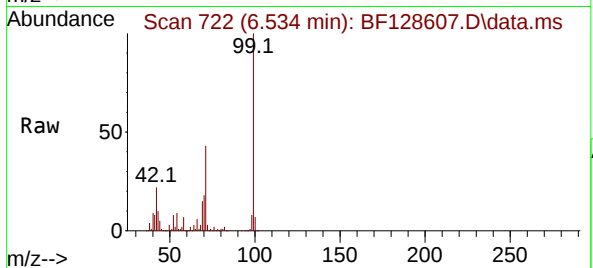




#7
Phenol-d6
Concen: 111.971 ng
RT: 6.534 min Scan# 711
Delta R.T. 0.065 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

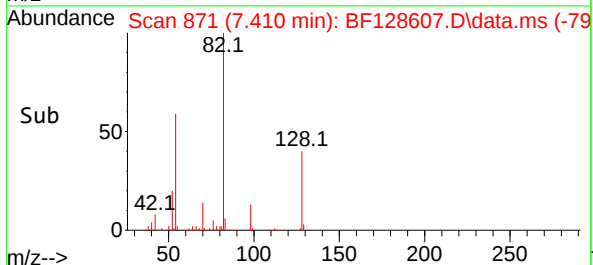
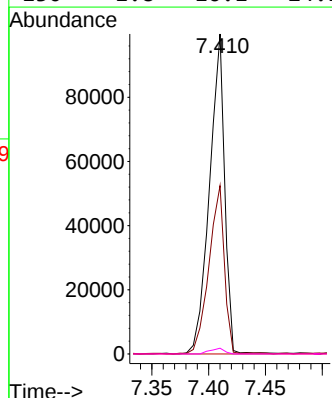
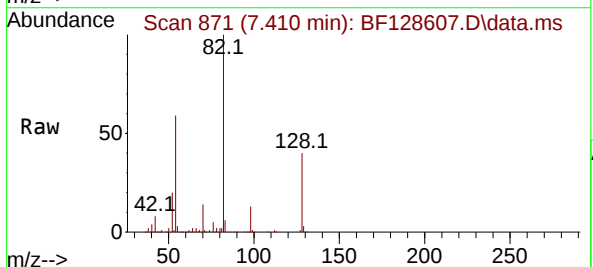
Instrument :
BNA_F
ClientSampleId :
BB-10

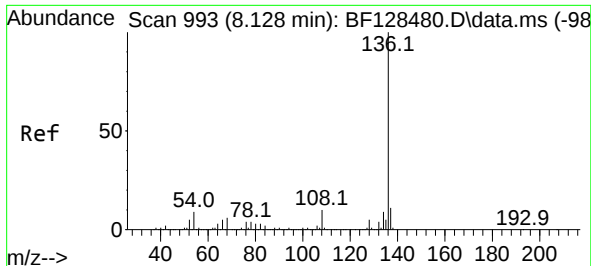
Tgt Ion: 99 Resp: 903823
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 42.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.682 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion: 70 Resp: 92459
Ion Ratio Lower Upper
70 100
42 52.6 52.3 78.5
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#

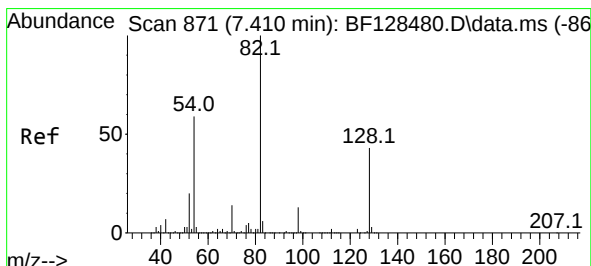
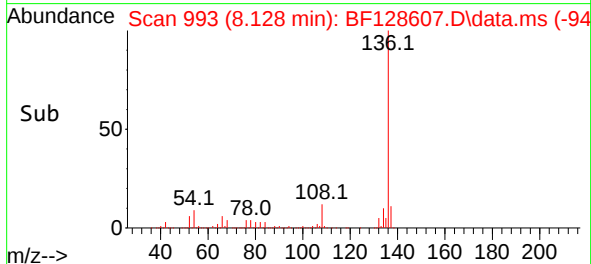
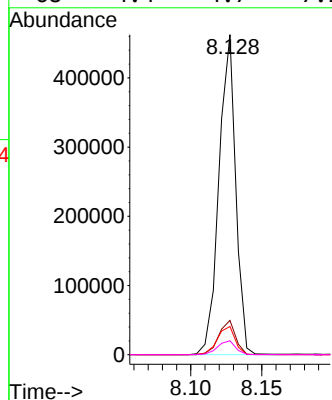
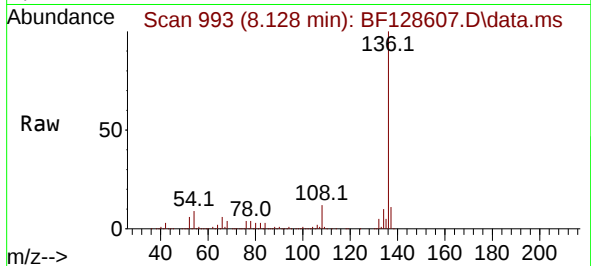




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

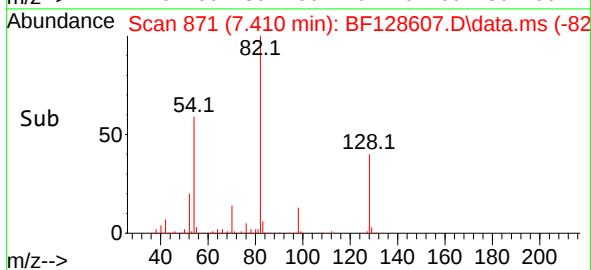
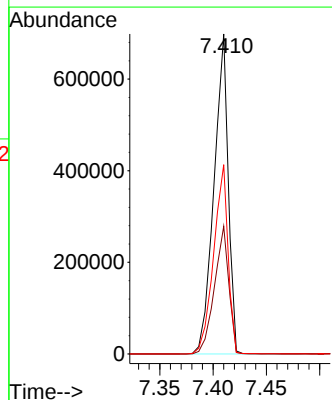
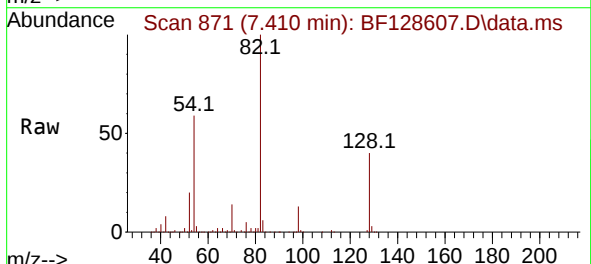
Instrument :
BNA_F
ClientSampleId :
BB-10

Tgt Ion:136 Resp: 379353
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.8 7.5 11.3
68 4.4 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 98.730 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion: 82 Resp: 649238
Ion Ratio Lower Upper
82 100
128 39.9 34.0 51.0
54 59.2 46.9 70.3

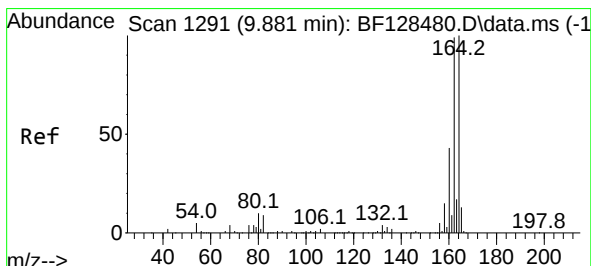
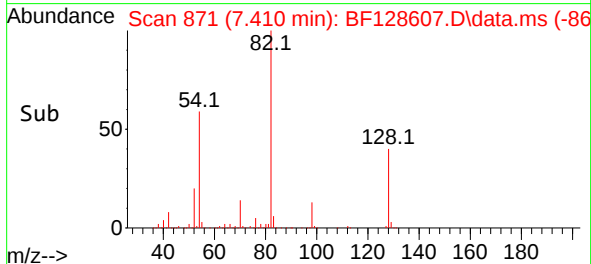
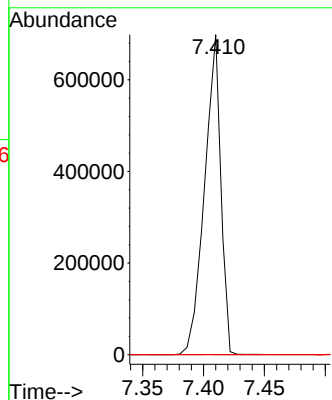
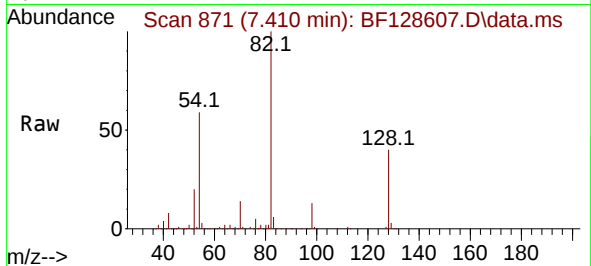




#25
Isophorone
Concen: 53.390 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

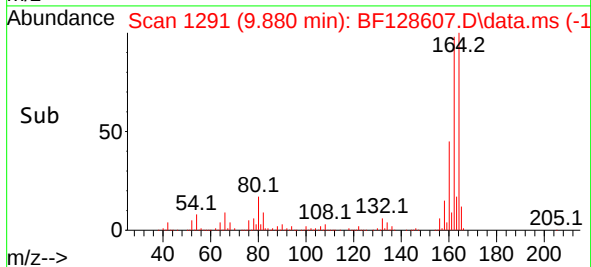
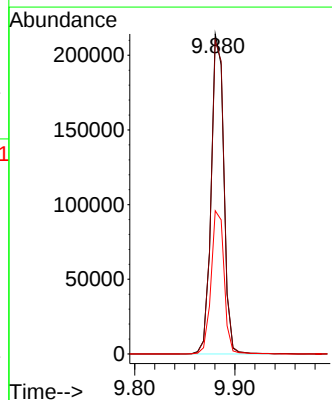
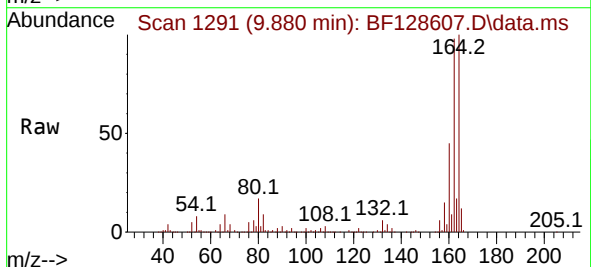
Instrument :
BNA_F
ClientSampleId :
BB-10

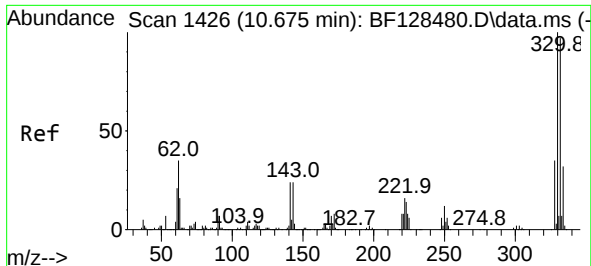
Tgt Ion: 82 Resp: 647662
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.001 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:164 Resp: 188391
Ion Ratio Lower Upper
164 100
162 98.0 79.5 119.3
160 44.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 113.528 ng

RT: 10.680 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Instrument :

BNA_F

ClientSampleId :

BB-10

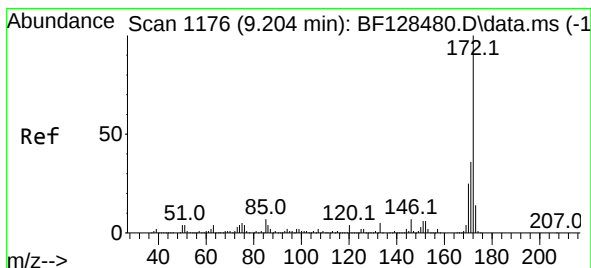
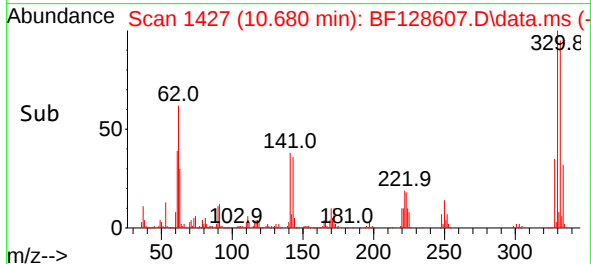
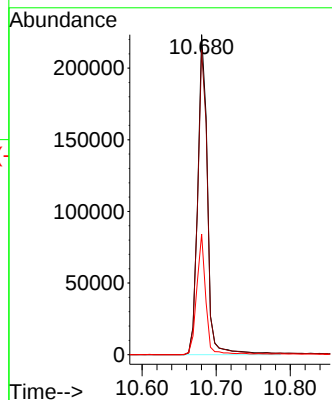
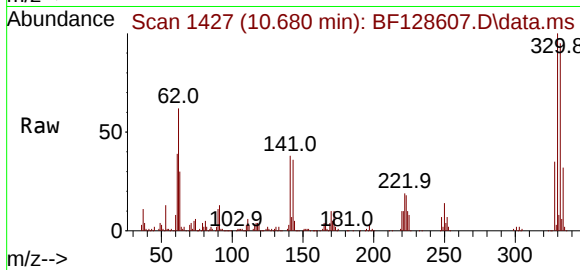
Tgt Ion:330 Resp: 203575

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

141 34.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 94.779 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

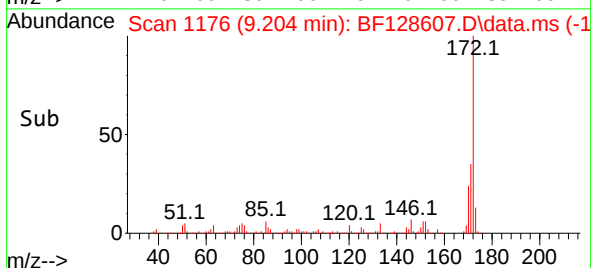
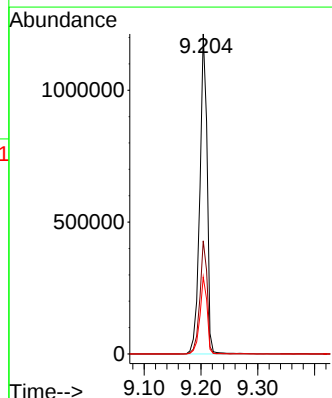
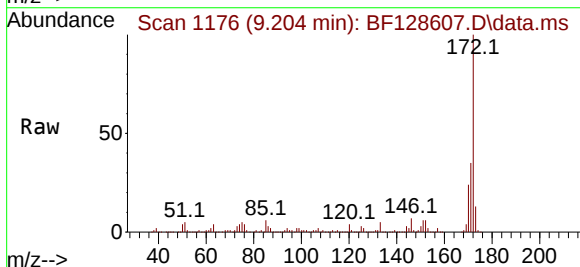
Tgt Ion:172 Resp: 1099042

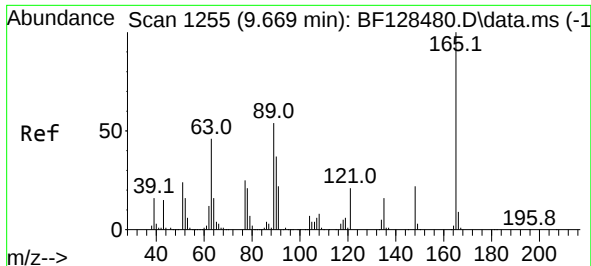
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 24.1 19.8 29.8

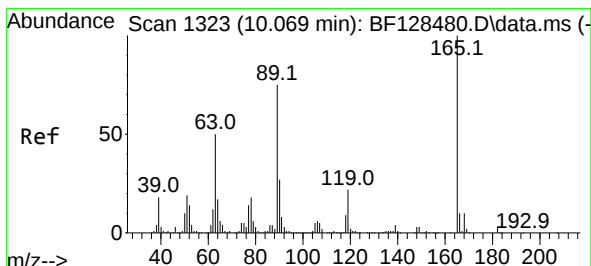
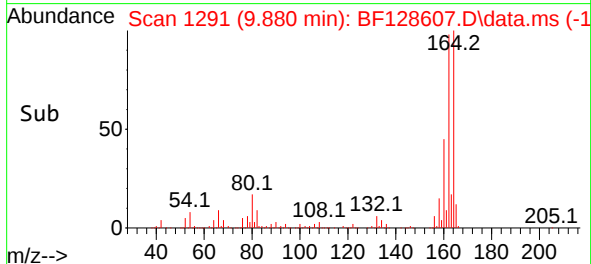
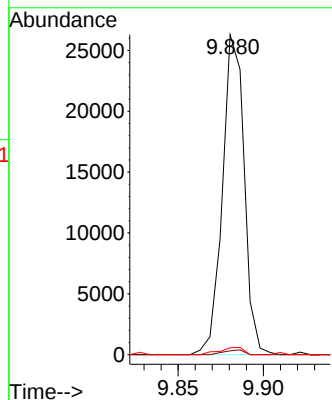
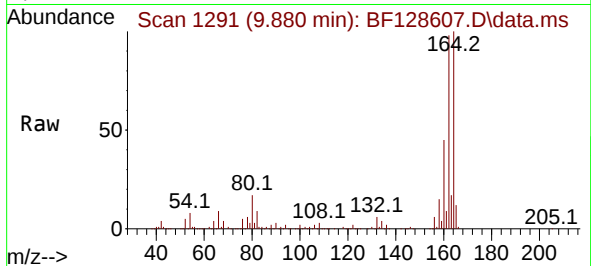




#51
2,6-Dinitrotoluene
Concen: 10.422 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.212 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

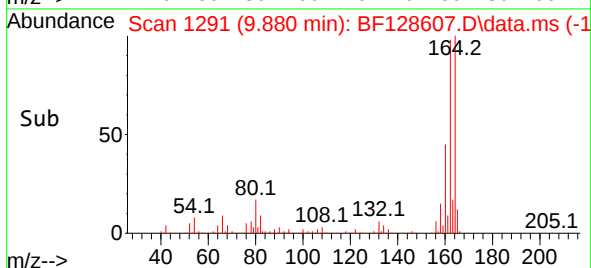
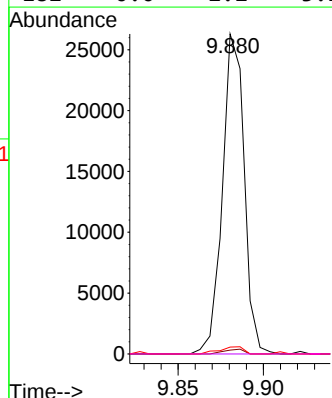
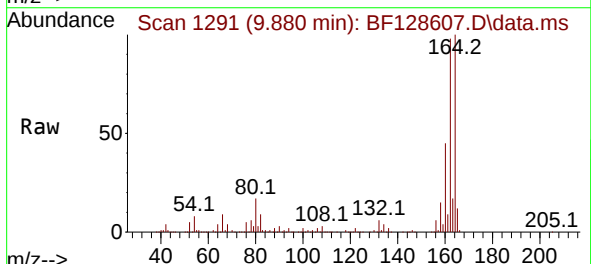
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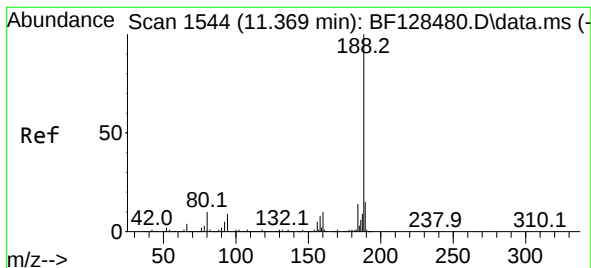
Tgt Ion:165 Resp: 23342
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 2.2 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 8.712 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.188 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:165 Resp: 23342
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 2.2 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Instrument :

BNA_F

ClientSampleId :

BB-10

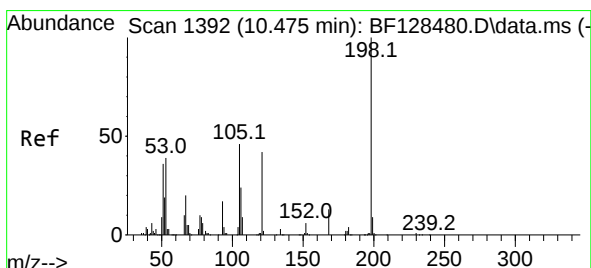
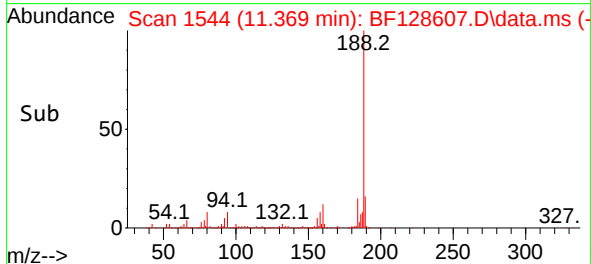
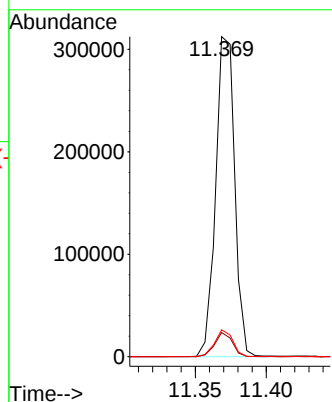
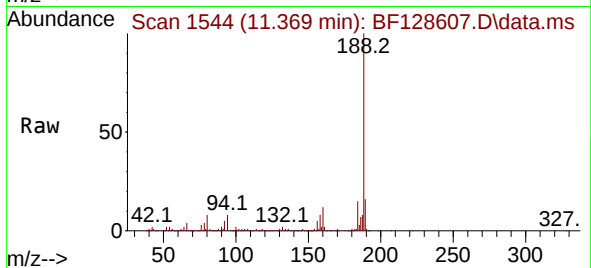
Tgt Ion:188 Resp: 290413

Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

80 8.4 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.882 ng

RT: 10.680 min Scan# 1427

Delta R.T. 0.205 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

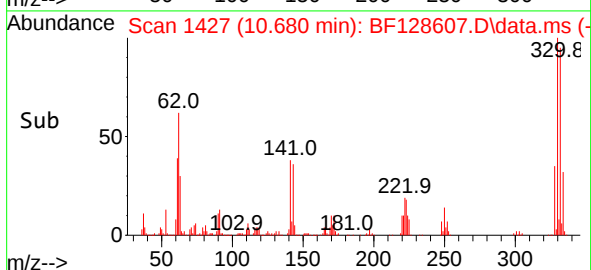
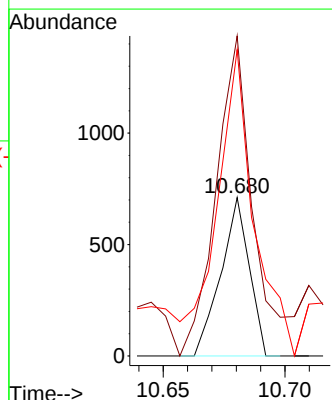
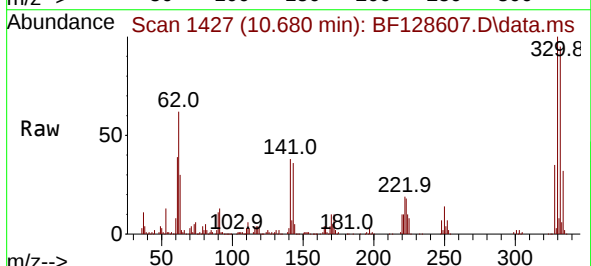
Tgt Ion:198 Resp: 576

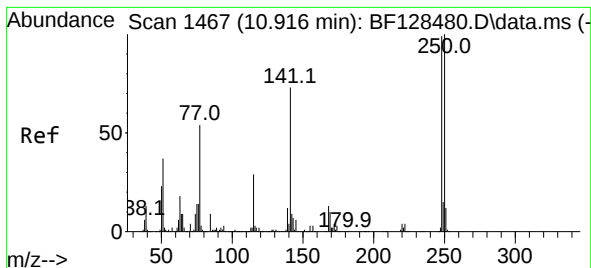
Ion Ratio Lower Upper

198 100

51 202.0 37.6 77.6#

105 193.4 27.0 67.0#

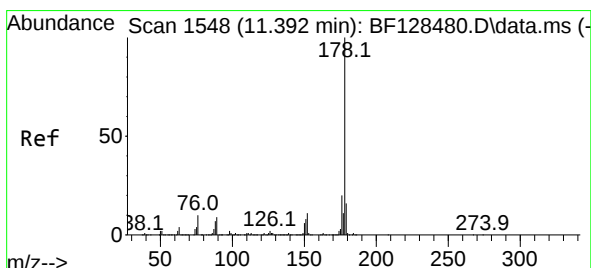
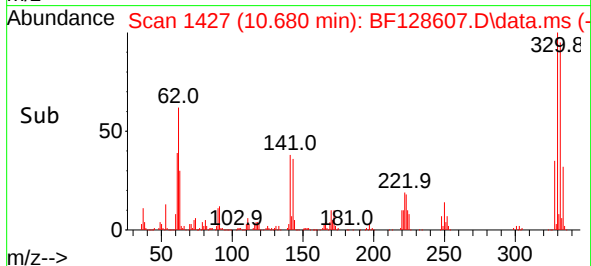
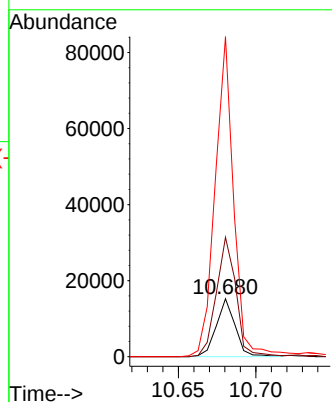
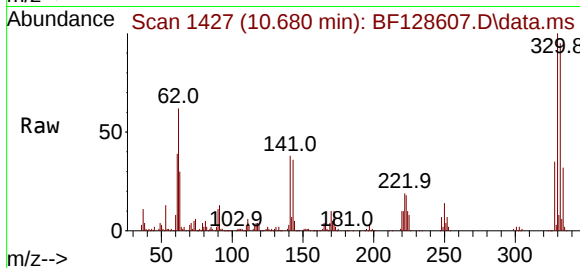




#67
4-Bromophenyl-phenylether
Concen: 4.340 ng
RT: 10.680 min Scan# 1467
Delta R.T. -0.236 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

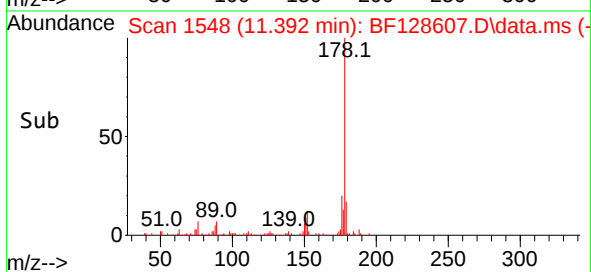
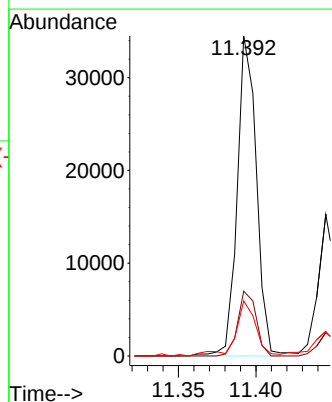
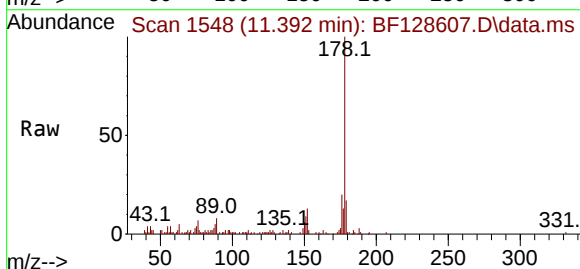
Instrument :
BNA_F
ClientSampleId :
BB-10

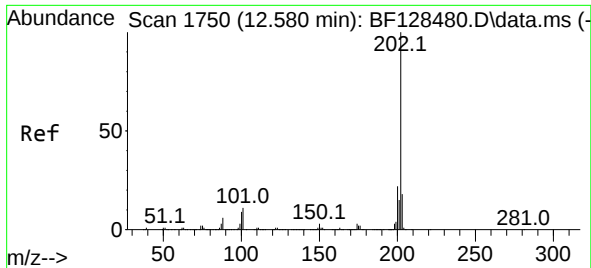
Tgt Ion:248 Resp: 13022
Ion Ratio Lower Upper
248 100
250 206.2 80.6 120.8#
141 552.7 58.9 88.3#



#71
Phenanthrene
Concen: 2.154 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:178 Resp: 29633
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 17.2 12.6 19.0

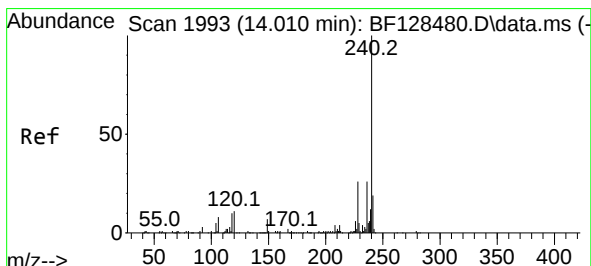
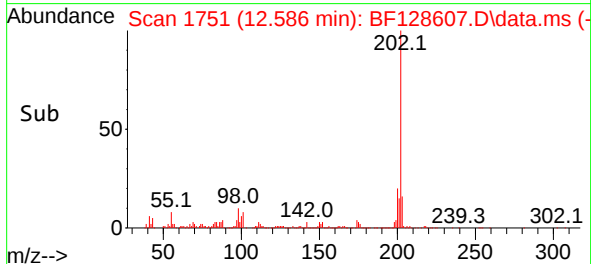
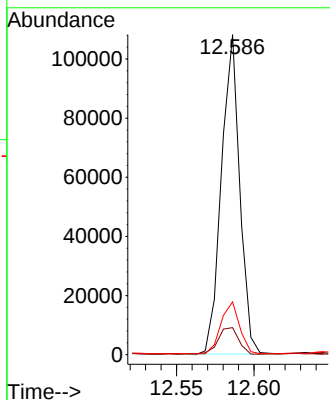
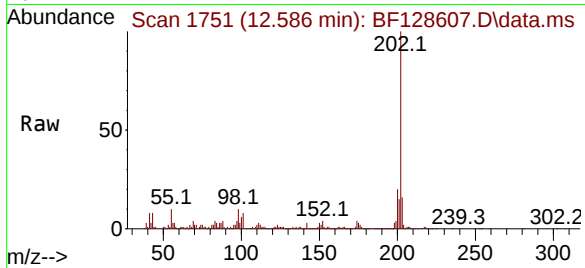




#75
Fluoranthene
Concen: 6.036 ng
RT: 12.586 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

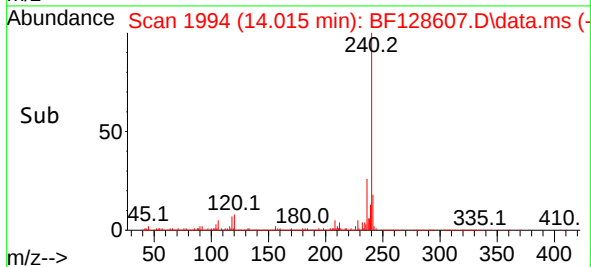
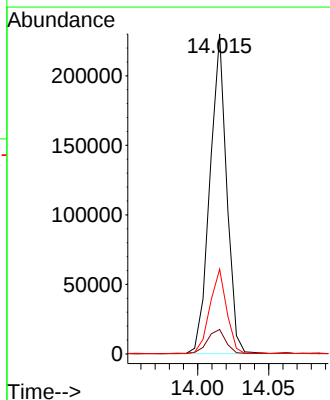
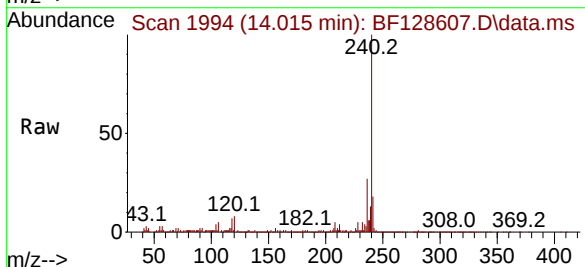
Instrument :
BNA_F
ClientSampleId :
BB-10

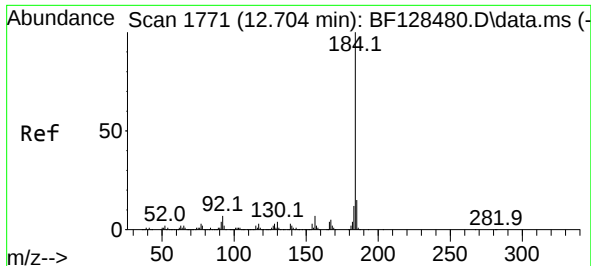
Tgt Ion:202 Resp: 88771
Ion Ratio Lower Upper
202 100
101 8.5 0.0 31.4
203 16.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:240 Resp: 188962
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3#
236 26.5 20.8 31.2

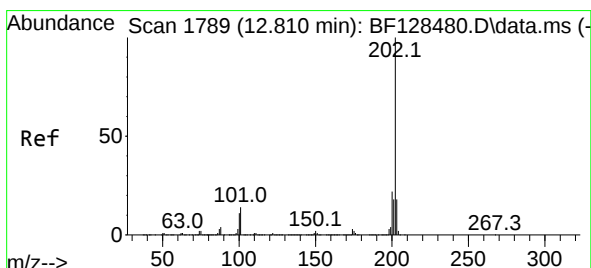
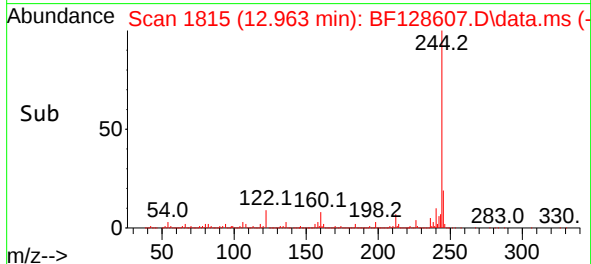
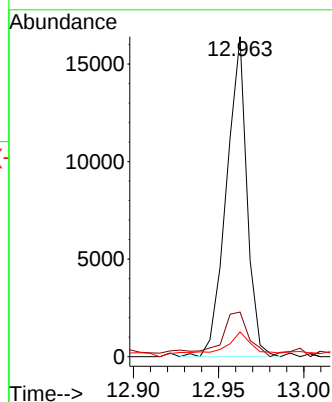
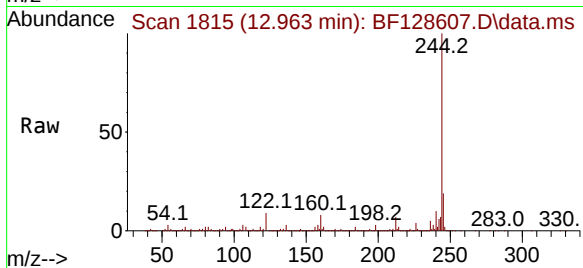




#77
Benzidine
Concen: 3.152 ng
RT: 12.963 min Scan# 1771
Delta R.T. 0.259 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

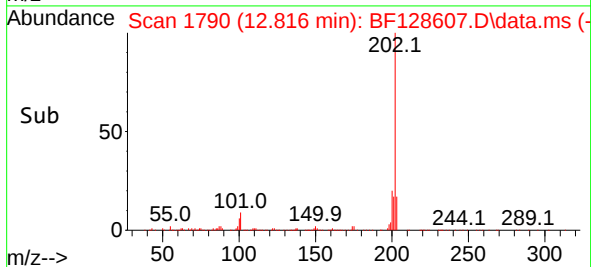
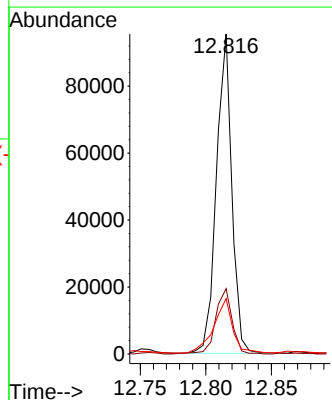
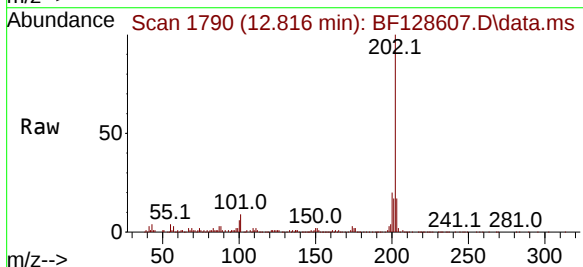
Instrument :
BNA_F
ClientSampleId :
BB-10

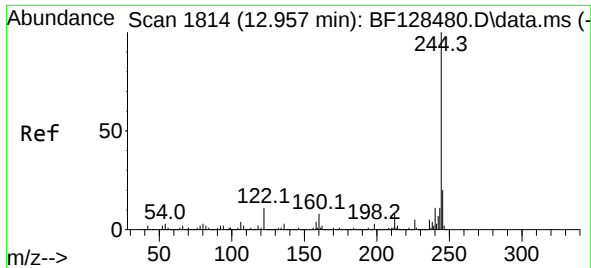
Tgt Ion:184 Resp: 13738
Ion Ratio Lower Upper
184 100
185 13.9 11.9 17.9
183 7.8 9.3 13.9#



#78
Pyrene
Concen: 5.462 ng
RT: 12.816 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:202 Resp: 77759
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 17.3 14.6 21.8

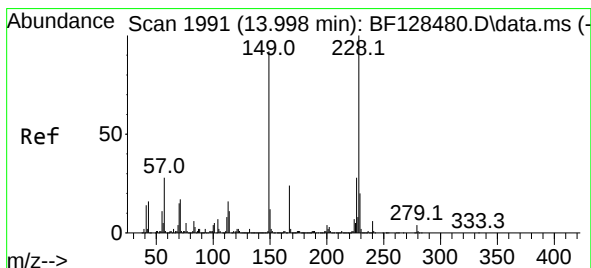
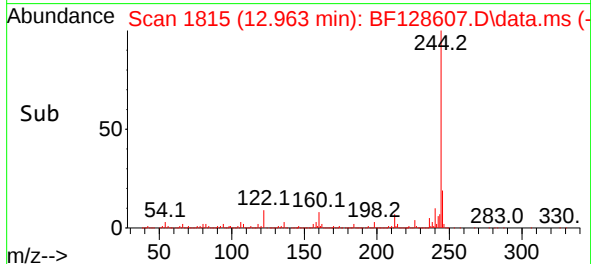
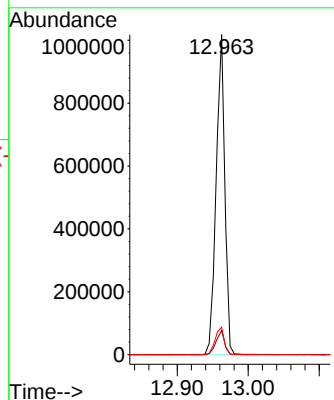
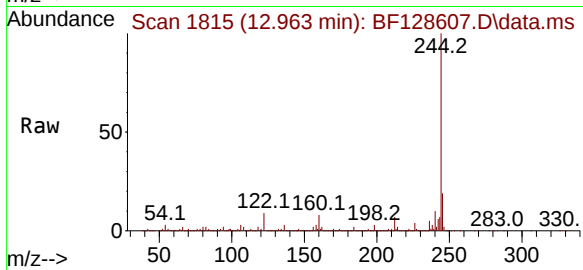




#79
 Terphenyl-d14
 Concen: 88.463 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. 0.006 min
 Lab File: BF128607.D
 Acq: 31 May 2022 21:32

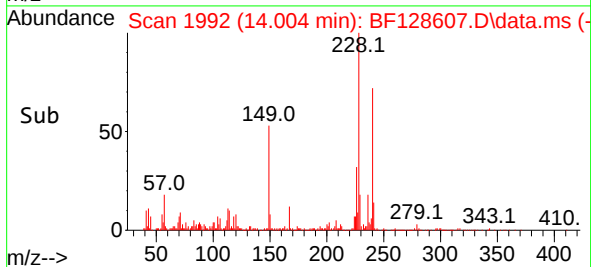
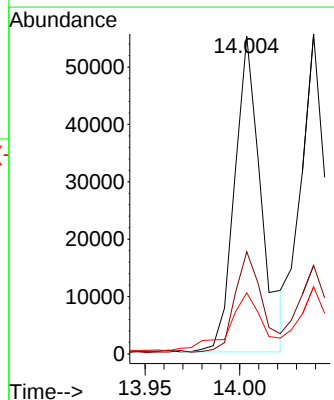
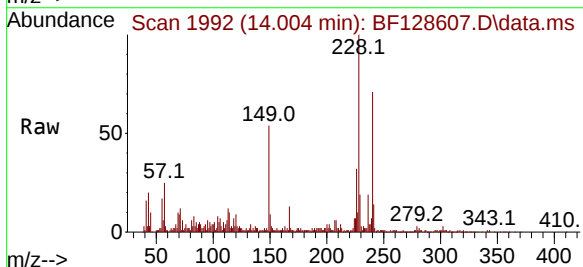
Instrument :
 BNA_F
 ClientSampleId :
 BB-10

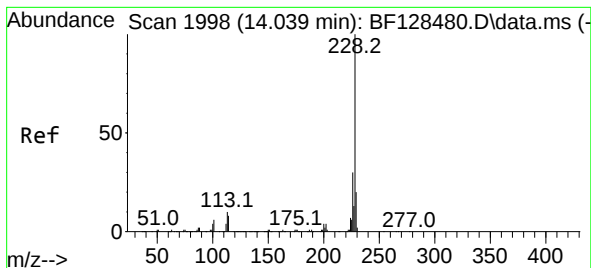
Tgt Ion:244 Resp: 865239
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 8.6 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 4.747 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.006 min
 Lab File: BF128607.D
 Acq: 31 May 2022 21:32

Tgt Ion:228 Resp: 53315
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.1 33.1
 229 19.3 15.8 23.8





#83

Chrysene

Concen: 4.251 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Instrument :

BNA_F

ClientSampleId :

BB-10

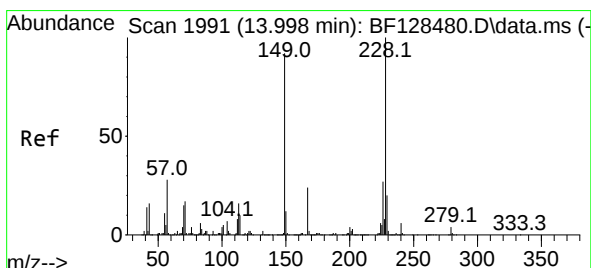
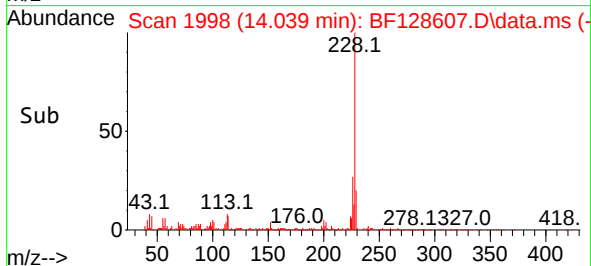
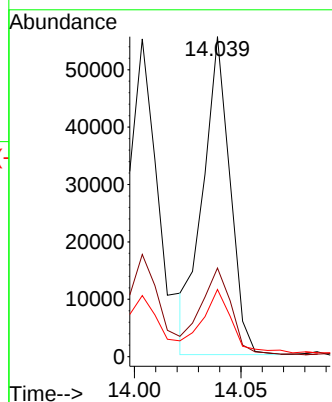
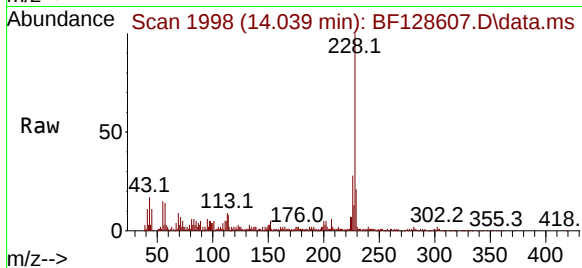
Tgt Ion:228 Resp: 48897

Ion Ratio Lower Upper

228 100

226 27.7 24.3 36.5

229 21.0 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.981 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

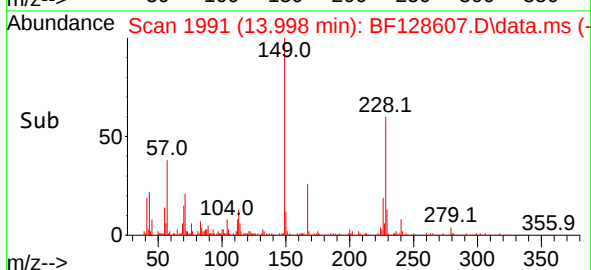
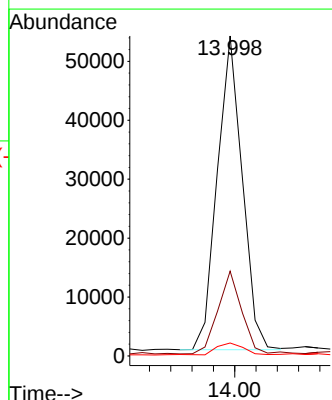
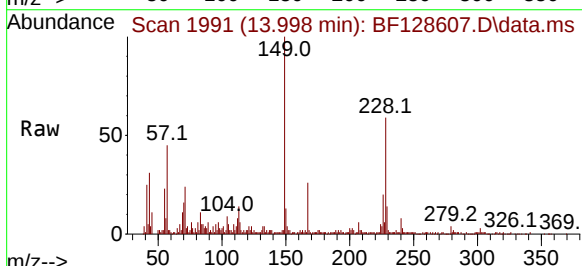
Tgt Ion:149 Resp: 43433

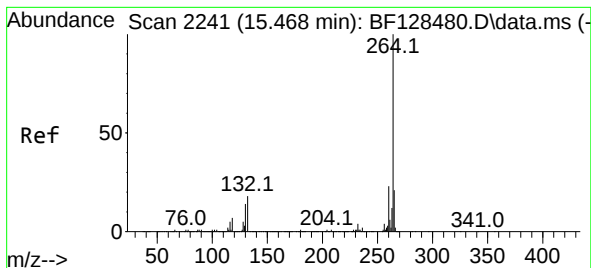
Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.4

279 4.1 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Instrument :

BNA_F

ClientSampleId :

BB-10

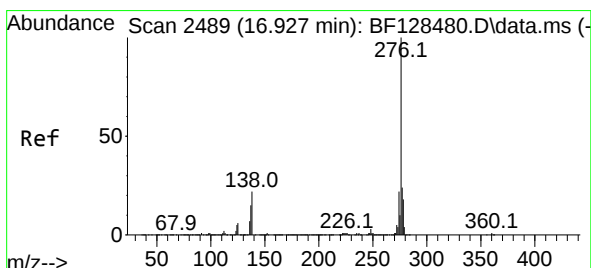
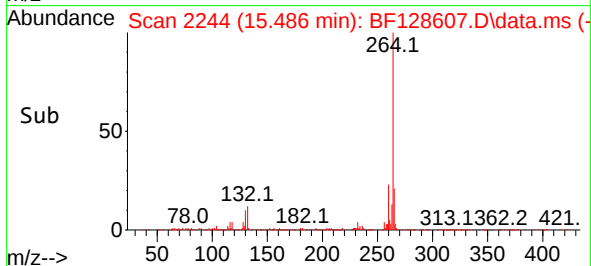
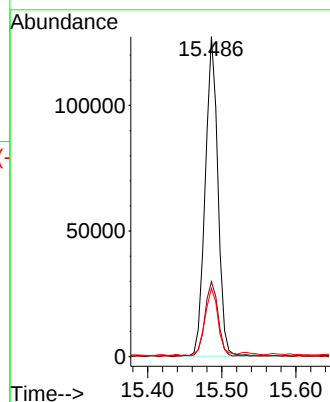
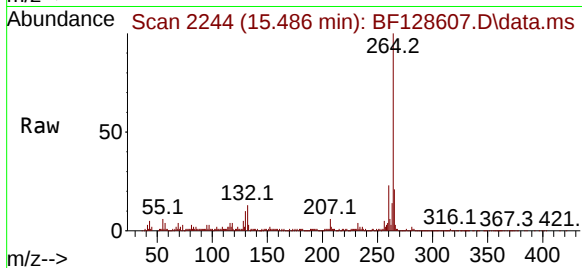
Tgt Ion:264 Resp: 151213

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 21.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.313 ng

RT: 16.945 min Scan# 2492

Delta R.T. 0.018 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

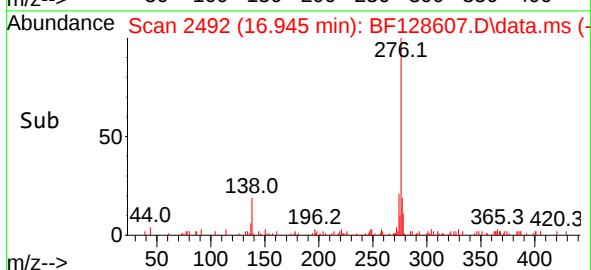
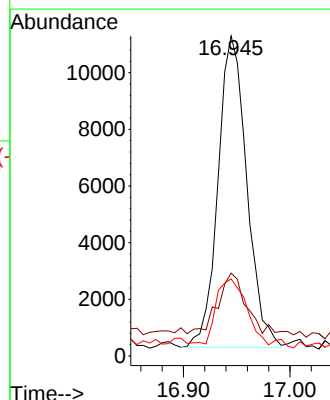
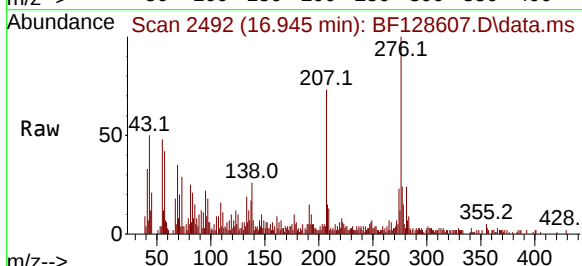
Tgt Ion:276 Resp: 20629

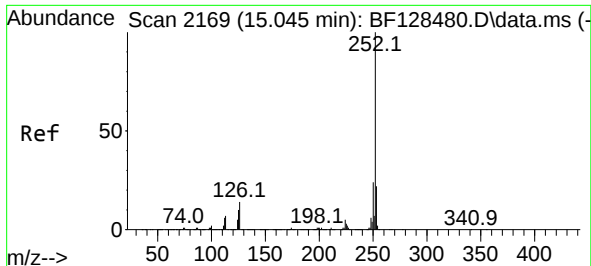
Ion Ratio Lower Upper

276 100

138 22.4 21.1 31.7

277 22.0 20.3 30.5

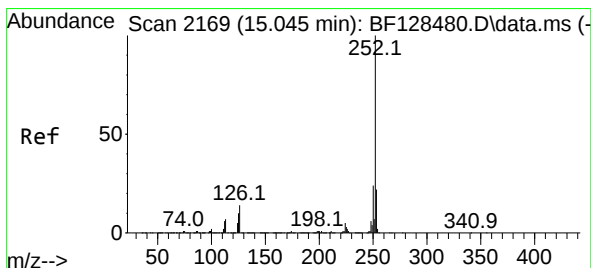
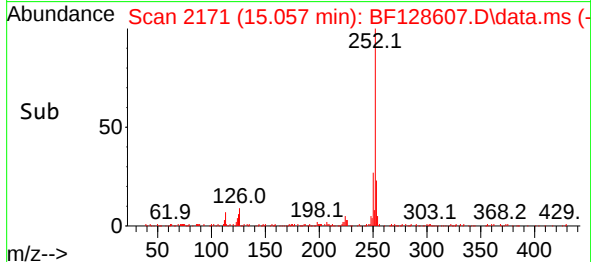
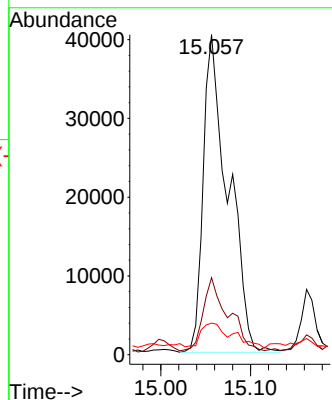
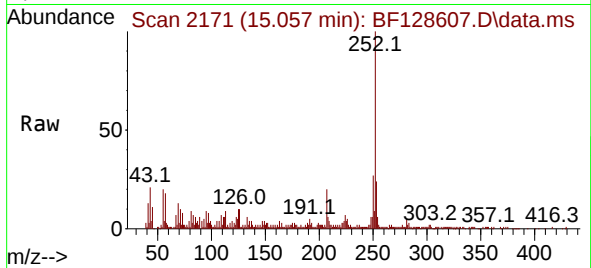




#88
Benzo(b)fluoranthene
Concen: 8.269 ng
RT: 15.057 min Scan# 2169
Delta R.T. 0.012 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

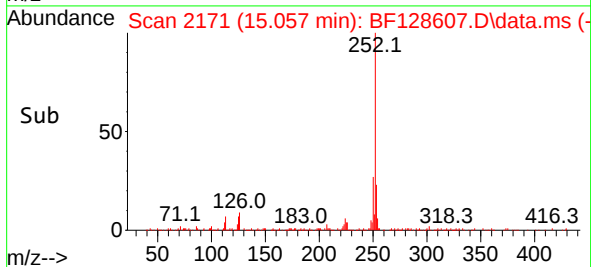
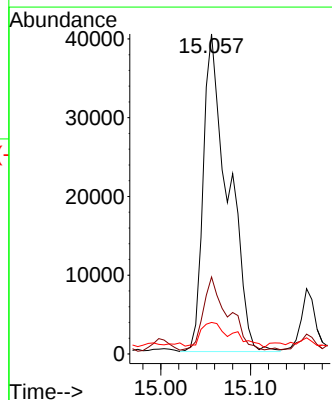
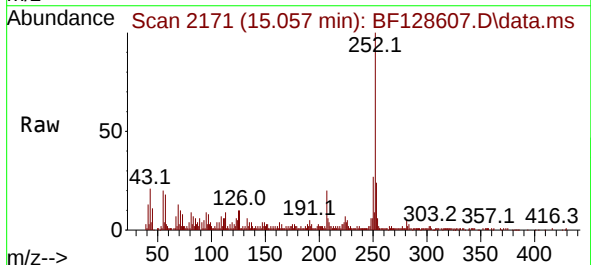
Instrument :
BNA_F
ClientSampleId :
BB-10

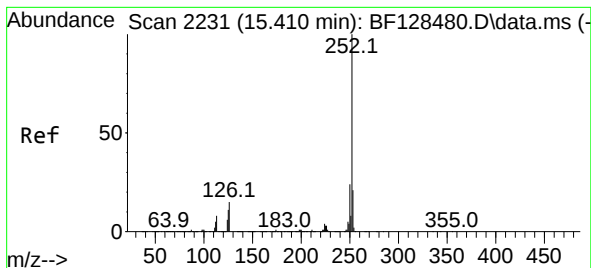
Tgt Ion:252 Resp: 77786
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 9.8 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 8.925 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.018 min
Lab File: BF128607.D
Acq: 31 May 2022 21:32

Tgt Ion:252 Resp: 77786
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 9.8 8.3 12.5





#90

Benzo(a)pyrene

Concen: 4.681 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Instrument :

BNA_F

ClientSampleId :

BB-10

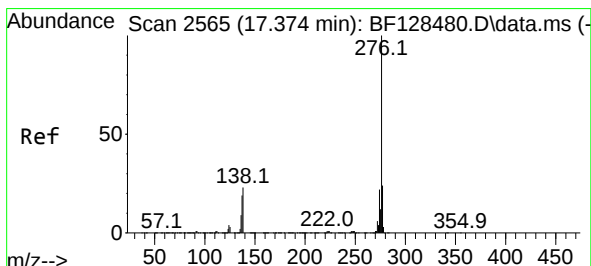
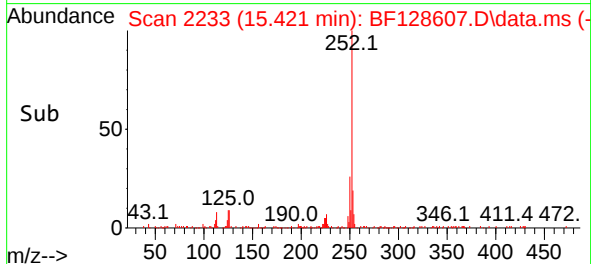
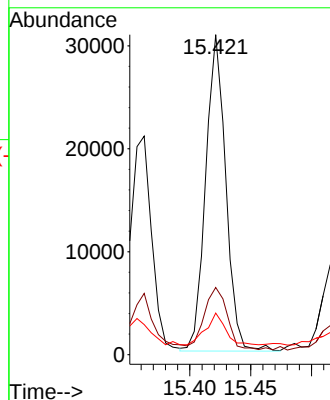
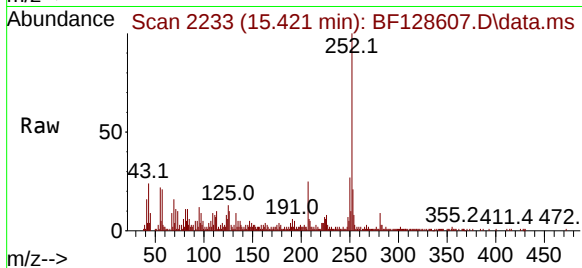
Tgt Ion:252 Resp: 35325

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

125 13.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.361 ng

RT: 17.392 min Scan# 2568

Delta R.T. 0.018 min

Lab File: BF128607.D

Acq: 31 May 2022 21:32

Tgt Ion:276 Resp: 17318

Ion Ratio Lower Upper

276 100

277 29.0 19.1 28.7#

138 25.1 18.0 27.0

