

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136772.D
 Acq On : 27 Dec 2023 22:32
 Operator : CG\JU
 Sample : 05827-09RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 23:08:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

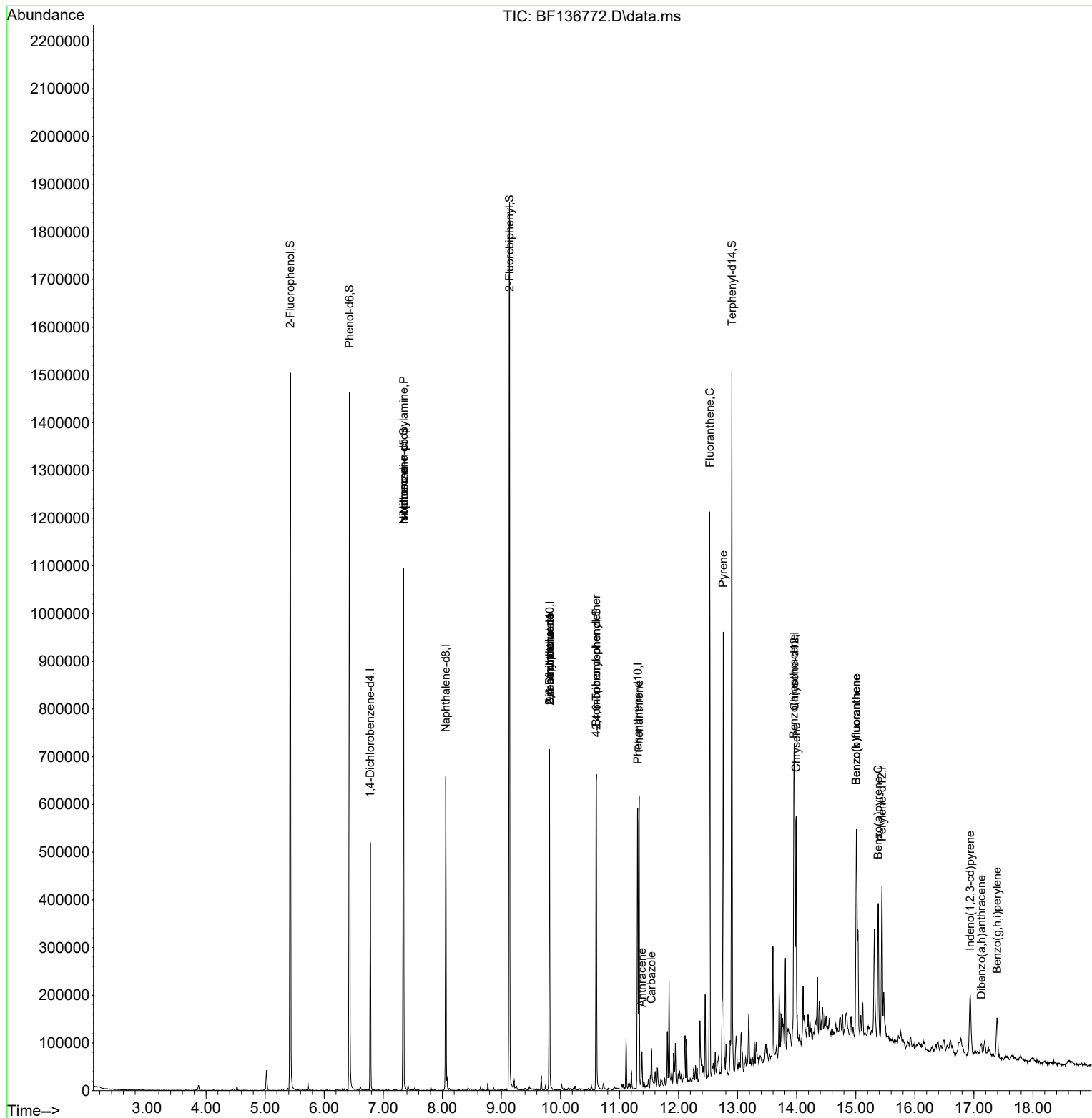
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67896	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	262211	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	134160	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	236482	20.000	ng	0.00
76) Chrysene-d12	13.962	240	131309	20.000	ng	0.00
86) Perylene-d12	15.445	264	151618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	384036	88.253	ng	0.00
7) Phenol-d6	6.428	99	505725	89.691	ng	-0.01
23) Nitrobenzene-d5	7.345	82	322168	62.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	87521	55.392	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	622155	62.372	ng	-0.01
79) Terphenyl-d14	12.904	244	490668	52.220	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	42506	12.436	ng	# 73
25) Isophorone	7.345	82	322160	34.552	ng	# 65
50) Dimethylphthalate	9.816	163	27478	2.804	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17130	7.702	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	17130	5.933	ng	# 21
67) 4-Bromophenyl-phenylether	10.604	248	5632	2.144	ng	# 1
71) Phenanthrene	11.333	178	225325	18.570	ng	98
72) Anthracene	11.380	178	26003	2.116	ng	97
73) Carbazole	11.539	167	34181	2.950	ng	98
75) Fluoranthene	12.527	202	462703	35.649	ng	97
78) Pyrene	12.757	202	363874	28.229	ng	99
81) Benzo(a)anthracene	13.951	228	212508	23.307	ng	96
83) Chrysene	13.992	228	193020	21.648	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	87035	7.951	ng	97
88) Benzo(b)fluoranthene	15.009	252	323117	31.907	ng	98
89) Benzo(k)fluoranthene	15.009	252	323117	33.768	ng	100
90) Benzo(a)pyrene	15.380	252	121228	14.182	ng	98
91) Dibenzo(a,h)anthracene	17.127	278	17996	2.004	ng	95
92) Benzo(g,h,i)perylene	17.392	276	67127	7.298	ng	98

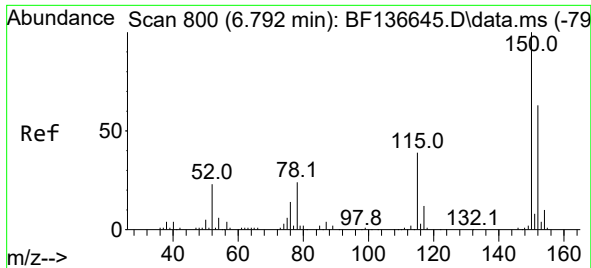
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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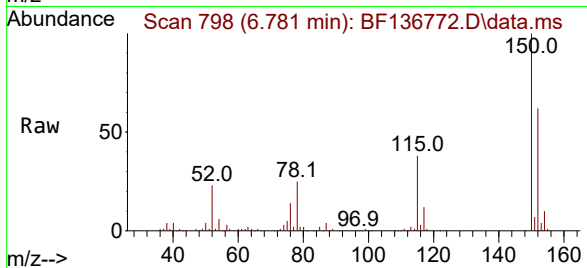
Quant Time: Dec 27 23:08:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration



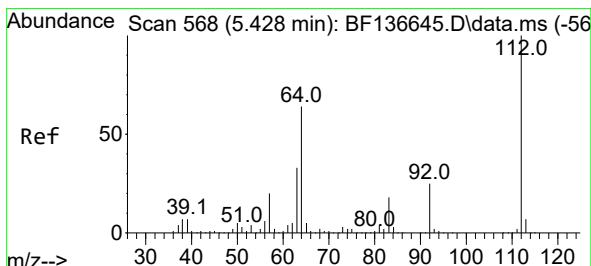
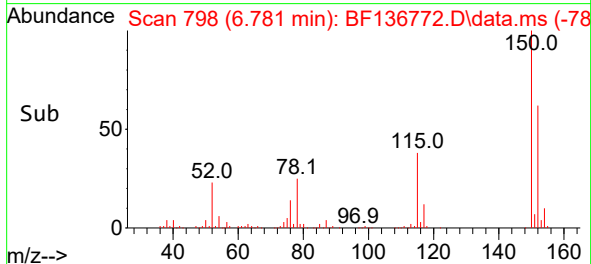
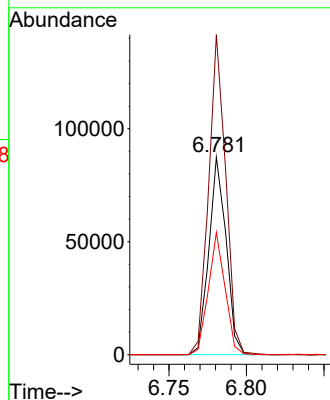


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :

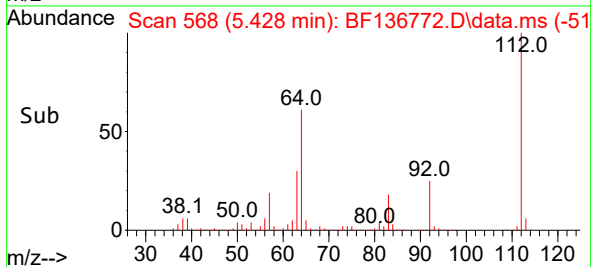
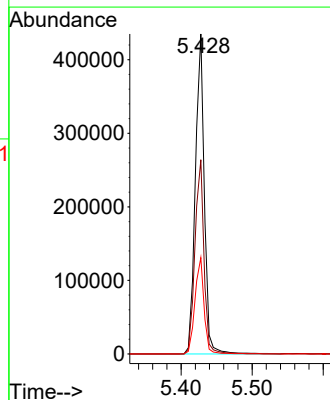
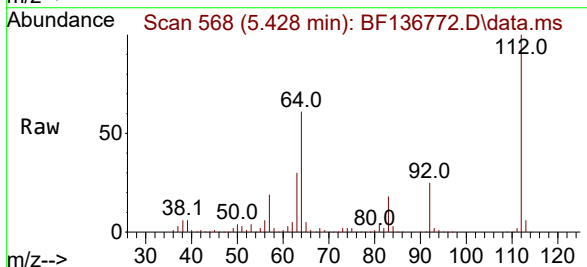


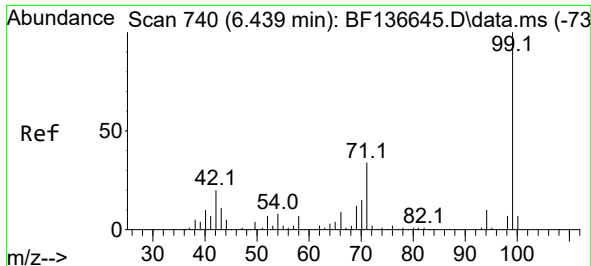
Tgt Ion:152 Resp: 67896
Ion Ratio Lower Upper
152 100
150 162.1 127.0 190.6
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 88.253 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

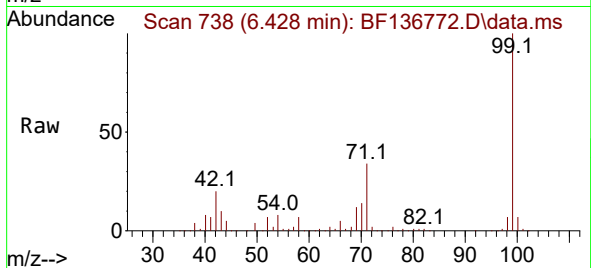
Tgt Ion:112 Resp: 384036
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.1 26.1 39.1



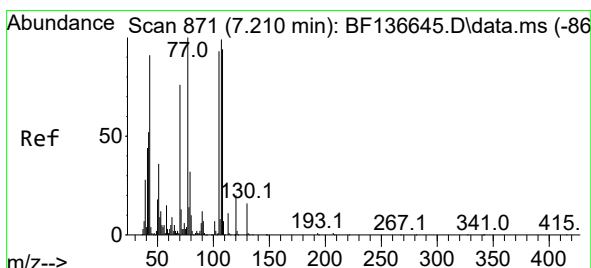
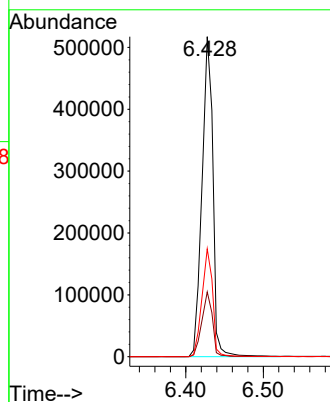
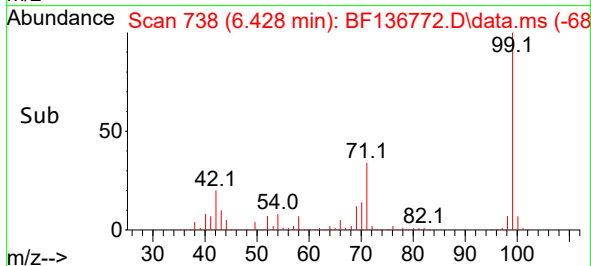


#7
Phenol-d6
Concen: 89.691 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :

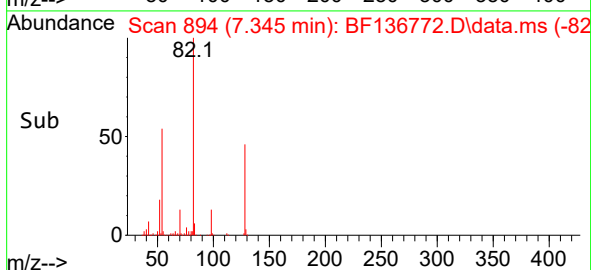
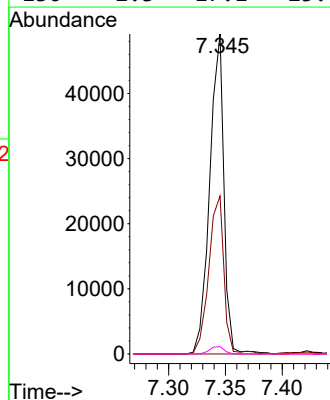
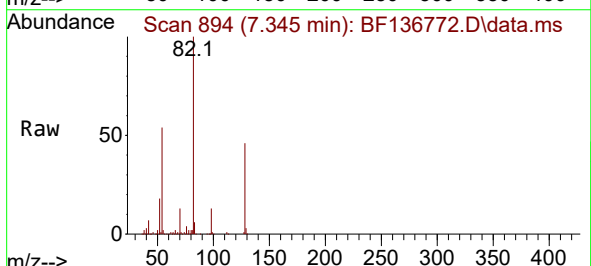


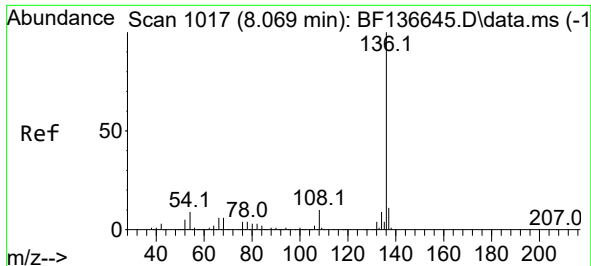
Tgt Ion: 99 Resp: 505725
Ion Ratio Lower Upper
99 100
42 20.3 16.1 24.1
71 33.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.436 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

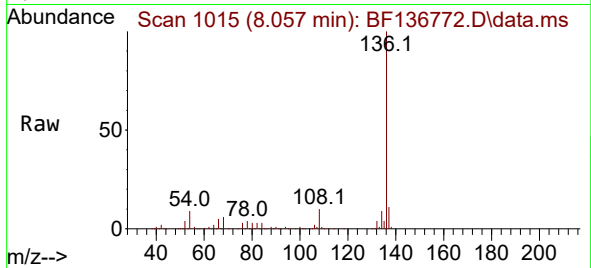
Tgt Ion: 70 Resp: 42506
Ion Ratio Lower Upper
70 100
42 49.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.3 17.1 25.7#



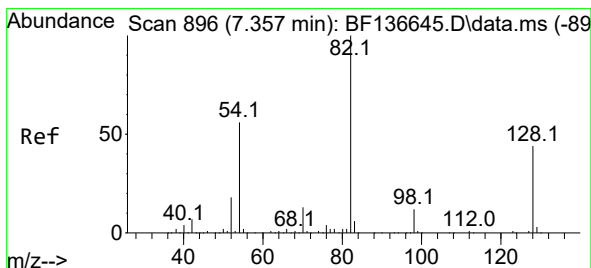
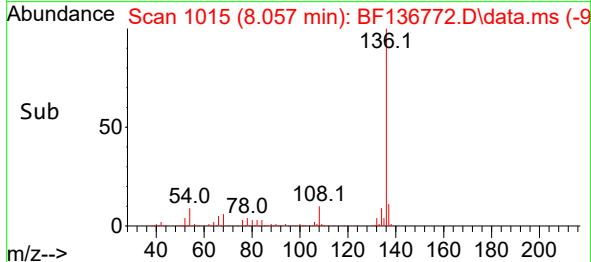
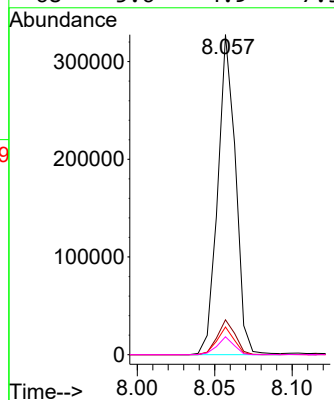


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :

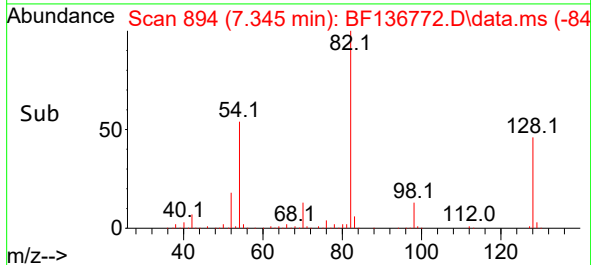
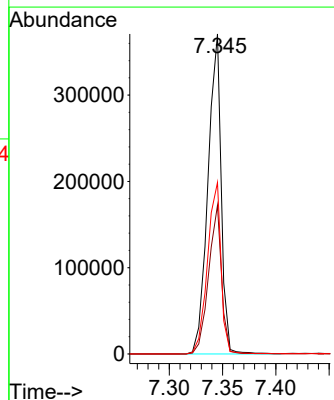
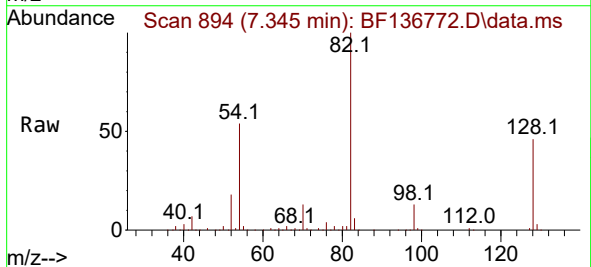


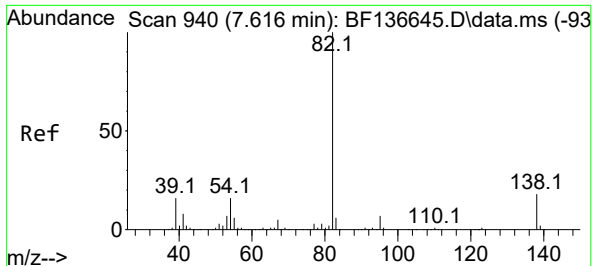
Tgt Ion:136 Resp: 262211
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.7 7.2 10.8
68 5.6 4.9 7.3



#23
Nitrobenzene-d5
Concen: 62.872 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

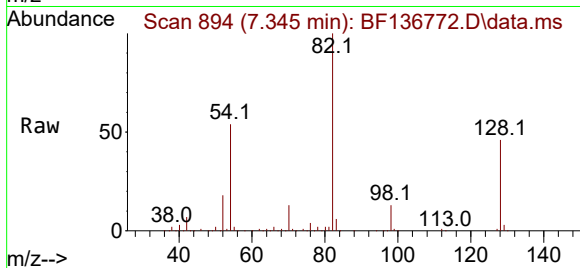
Tgt Ion: 82 Resp: 322168
Ion Ratio Lower Upper
82 100
128 46.5 35.3 52.9
54 53.6 44.5 66.7



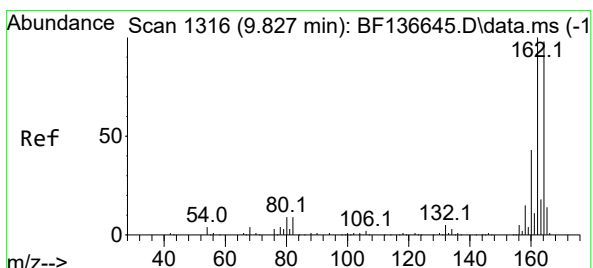
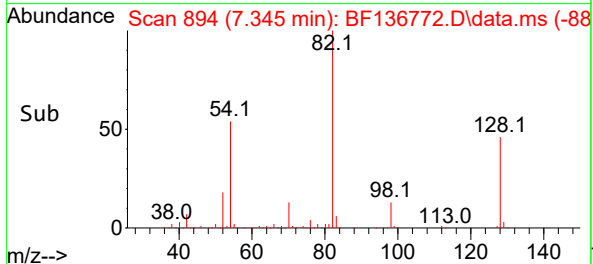
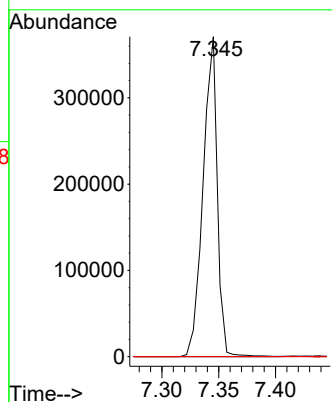


#25
Isophorone
Concen: 34.552 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :

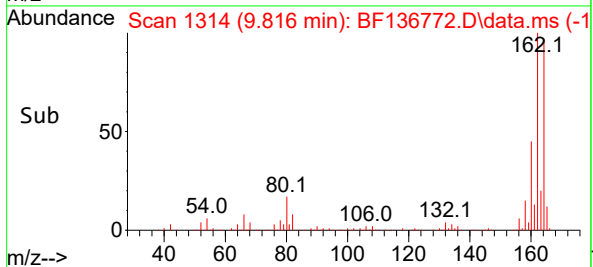
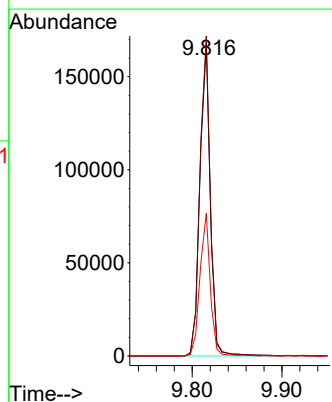
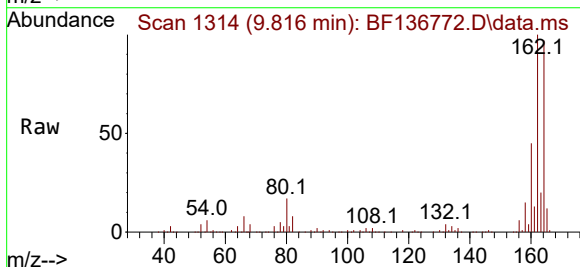


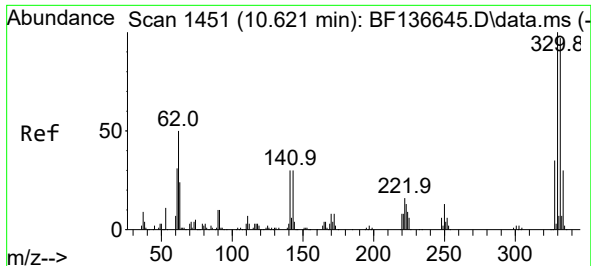
Tgt Ion: 82 Resp: 322160
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Tgt Ion: 164 Resp: 134160
Ion Ratio Lower Upper
164 100
162 103.0 81.6 122.4
160 45.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 55.392 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

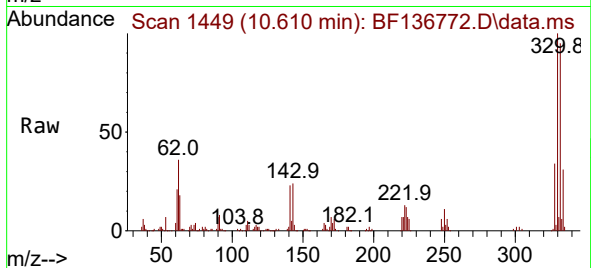
Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :



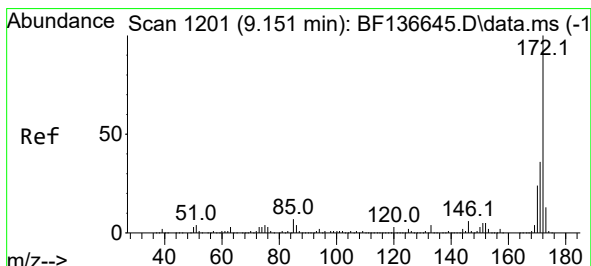
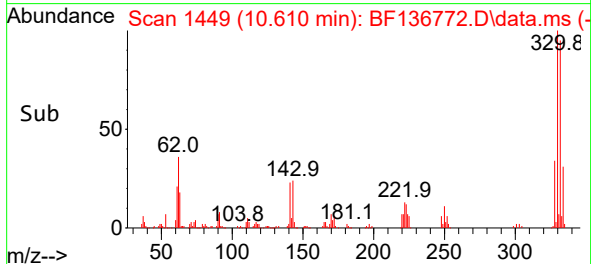
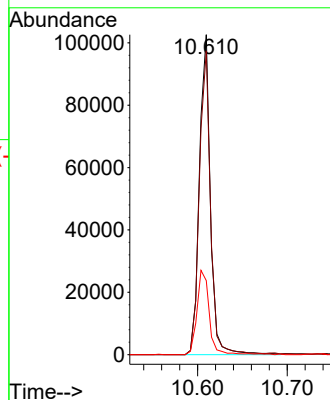
Tgt Ion:330 Resp: 87521

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 62.372 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

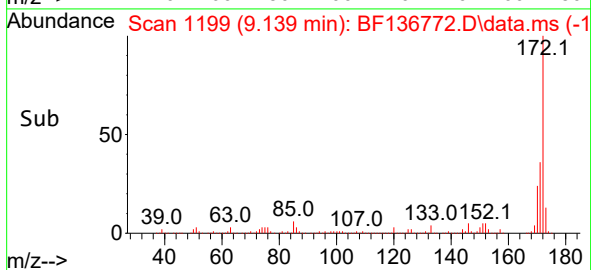
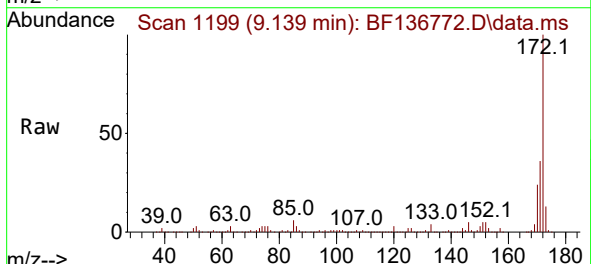
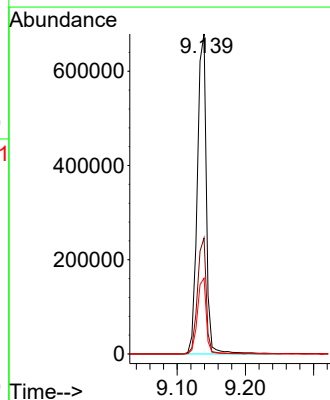
Tgt Ion:172 Resp: 622155

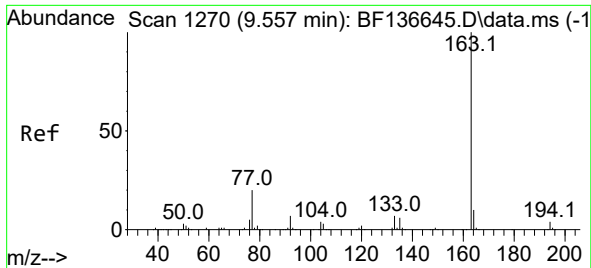
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

170 23.7 19.0 28.4

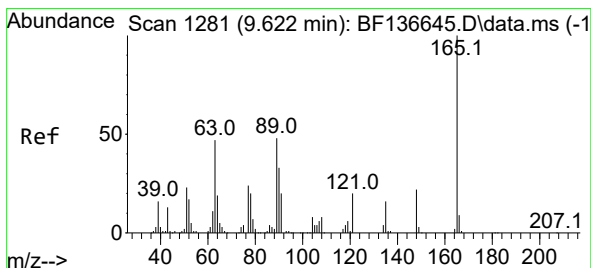
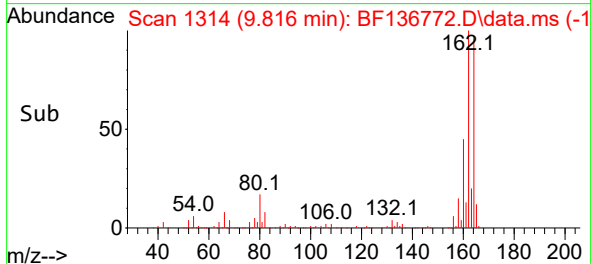
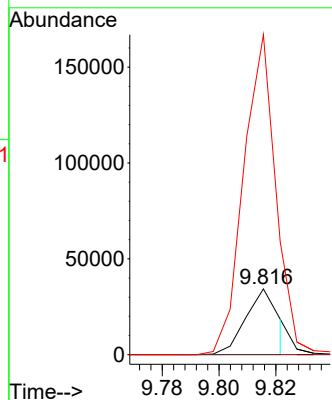
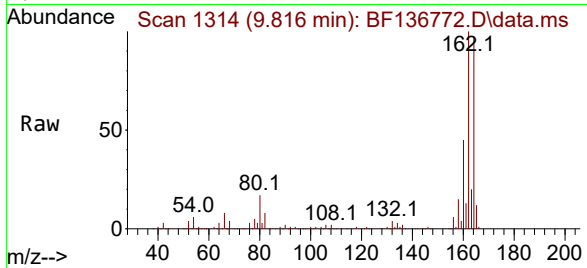




#50
Dimethylphthalate
Concen: 2.804 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

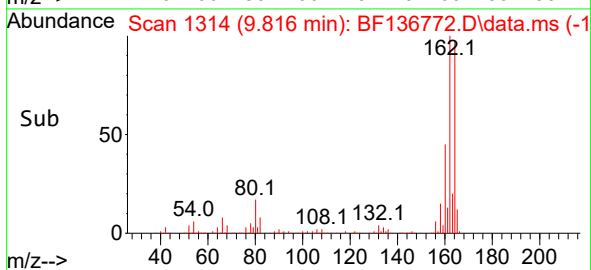
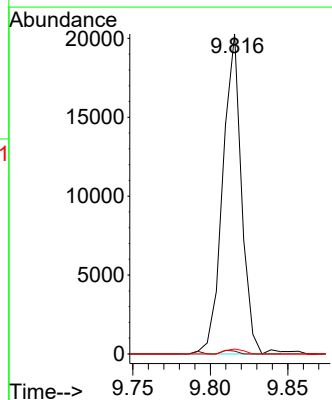
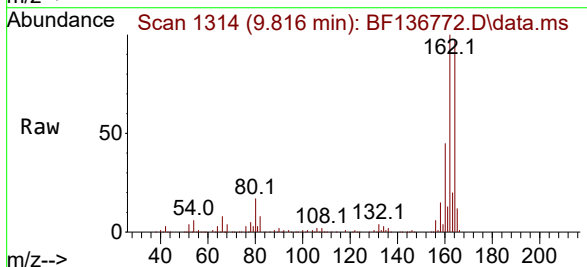
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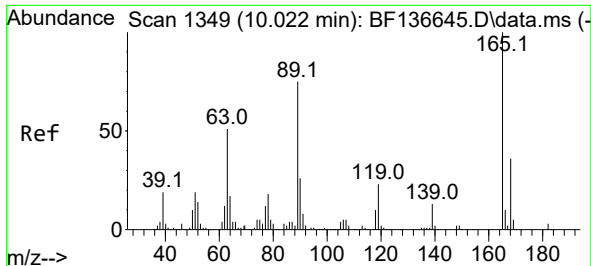
Tgt Ion:163 Resp: 27478
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 486.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.702 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

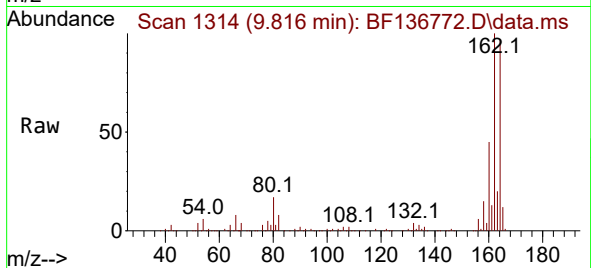
Tgt Ion:165 Resp: 17130
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.6 38.8 58.2#



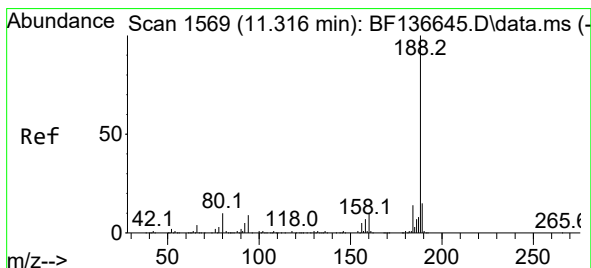
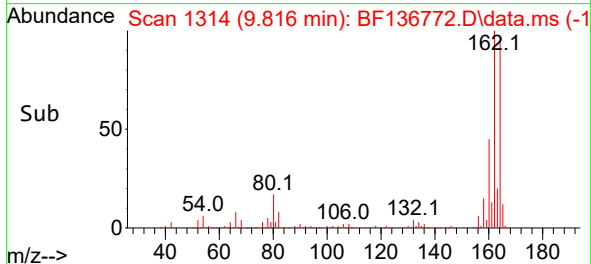
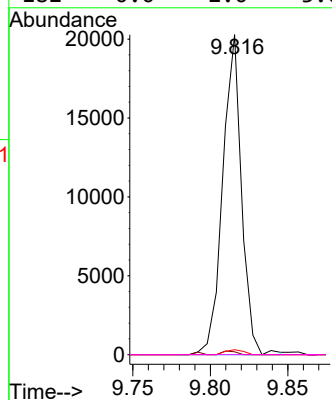


#57
2,4-Dinitrotoluene
Concen: 5.933 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Instrument :
BNA_F
ClientSampleId :

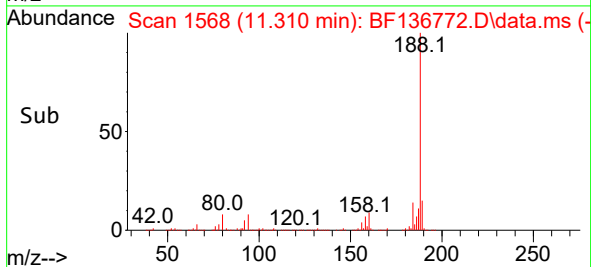
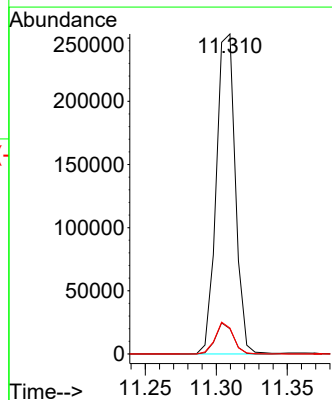
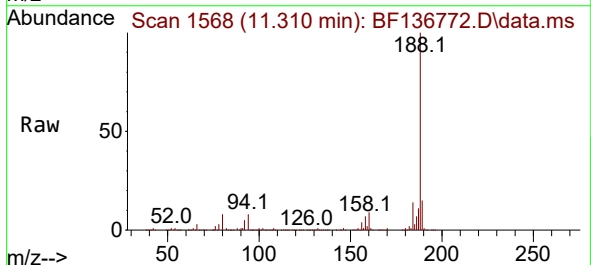


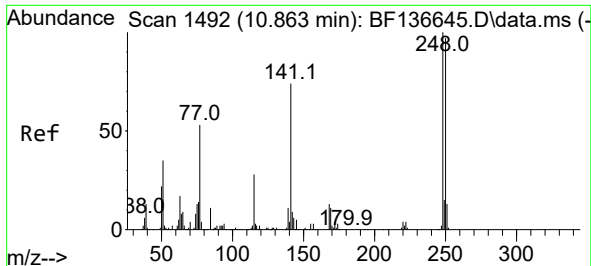
Tgt Ion:165 Resp: 17130
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

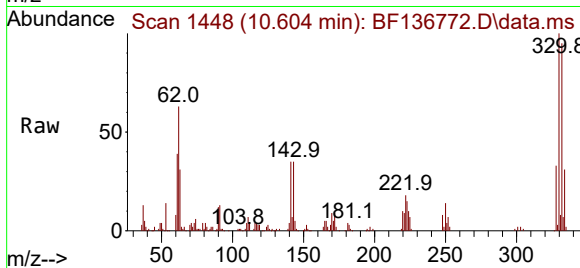
Tgt Ion:188 Resp: 236482
Ion Ratio Lower Upper
188 100
94 7.9 7.5 11.3
80 8.1 8.1 12.1



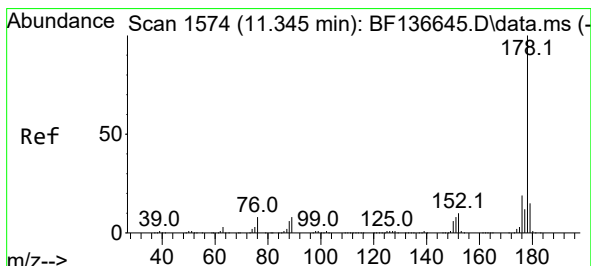
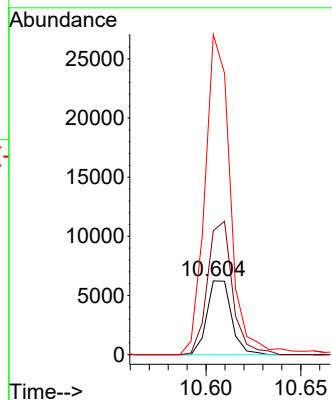
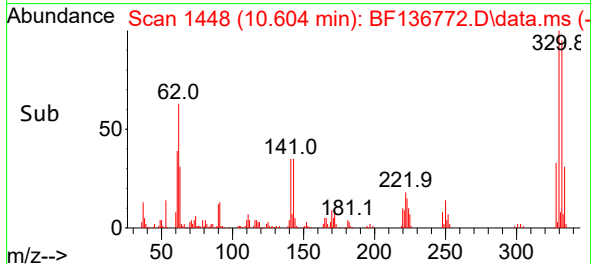


#67
4-Bromophenyl-phenylether
Concen: 2.144 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

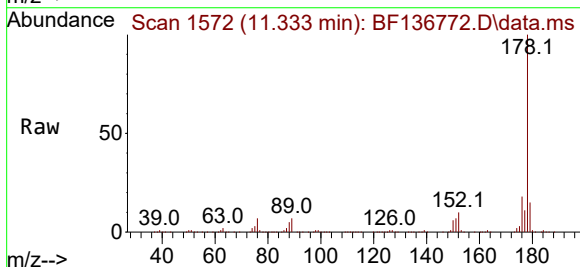
Instrument :
BNA_F
ClientSampleId :



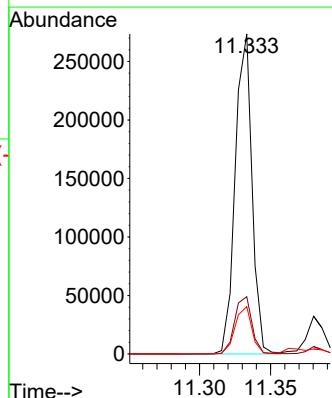
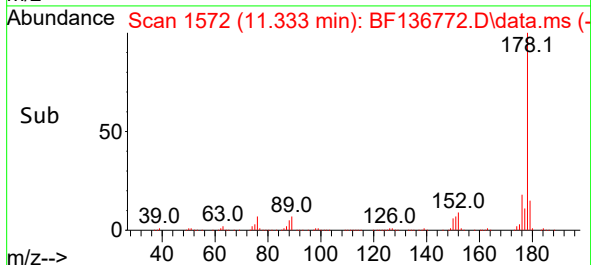
Tgt Ion:248 Resp: 5632
Ion Ratio Lower Upper
248 100
250 168.2 77.8 116.6#
141 433.7 59.2 88.8#

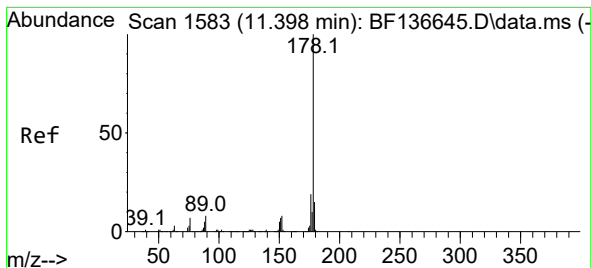


#71
Phenanthrene
Concen: 18.570 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32



Tgt Ion:178 Resp: 225325
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 14.8 11.9 17.9





#72

Anthracene

Concen: 2.116 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

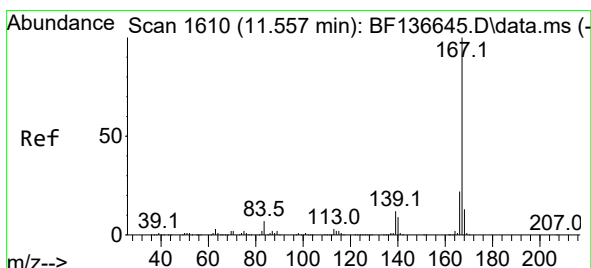
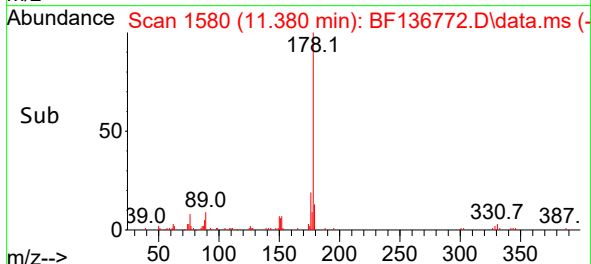
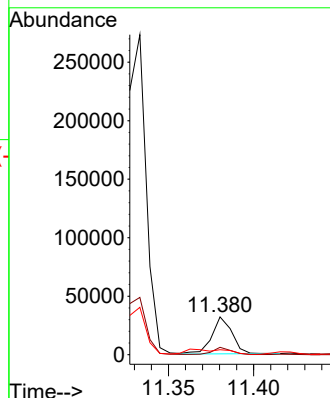
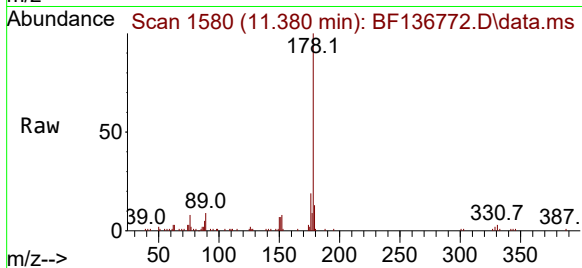
Tgt Ion:178 Resp: 26003

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

179 13.3 11.8 17.6



#73

Carbazole

Concen: 2.950 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.018 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

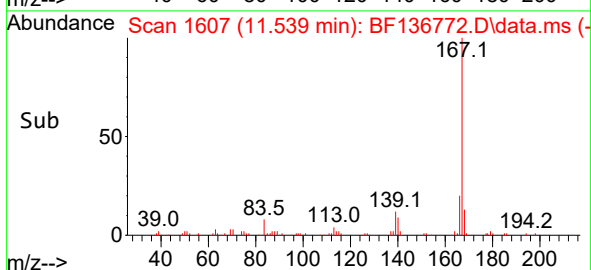
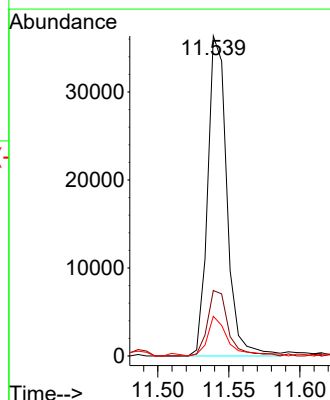
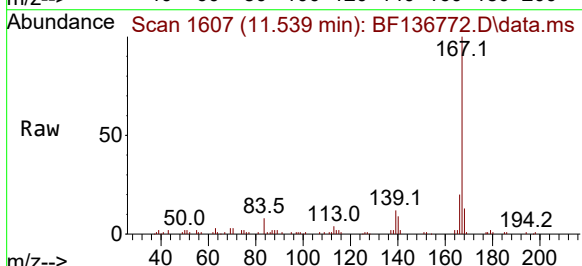
Tgt Ion:167 Resp: 34181

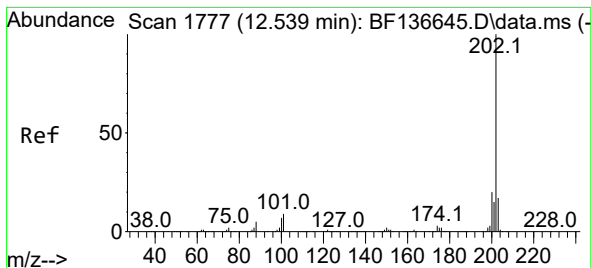
Ion Ratio Lower Upper

167 100

166 20.5 17.3 25.9

139 12.4 9.8 14.6





#75

Fluoranthene

Concen: 35.649 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

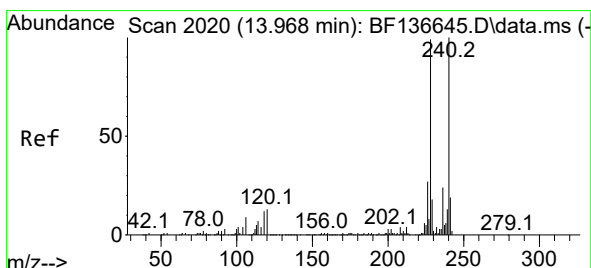
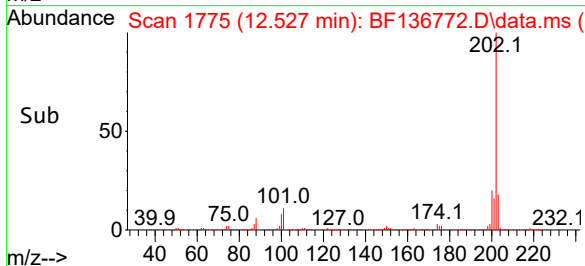
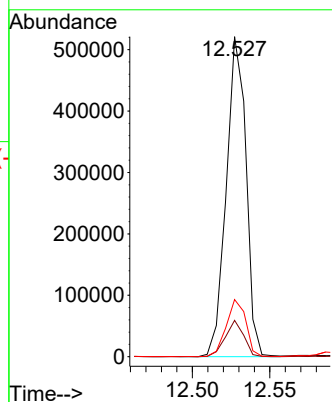
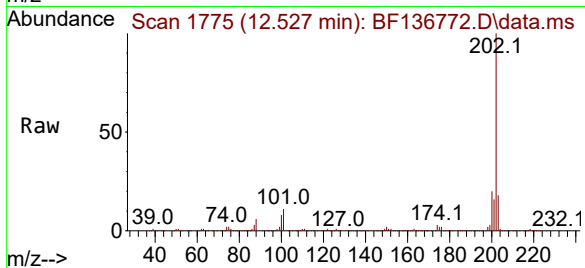
Tgt Ion:202 Resp: 462703

Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.3

203 17.8 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

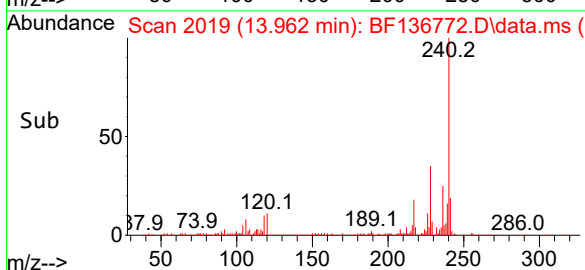
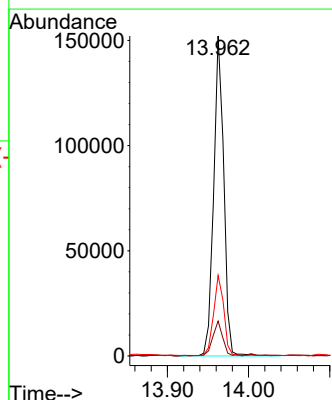
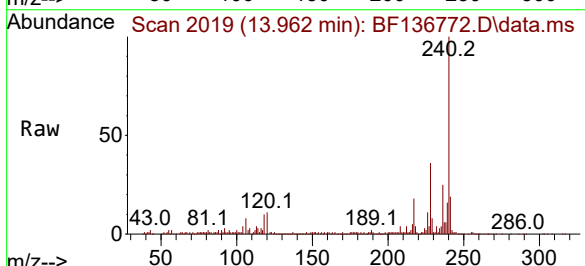
Tgt Ion:240 Resp: 131309

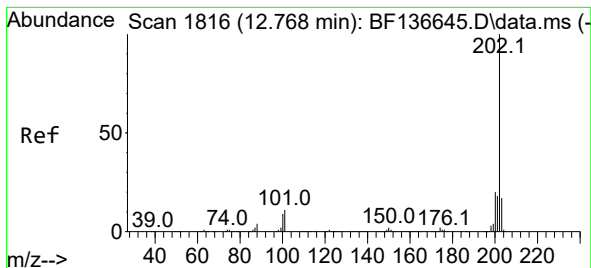
Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

236 25.1 19.4 29.2





#78

Pyrene

Concen: 28.229 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

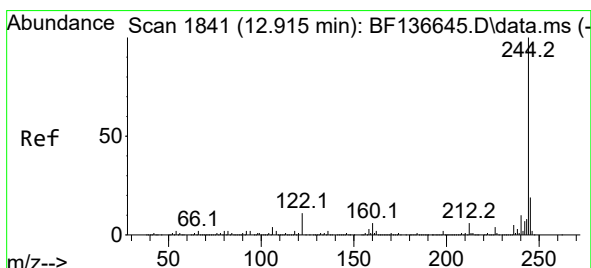
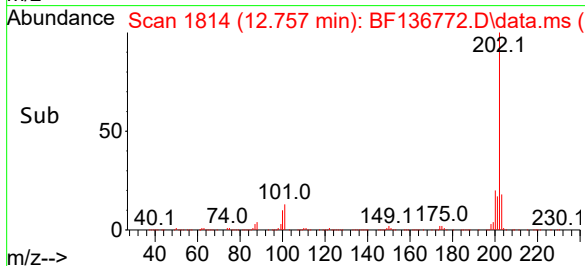
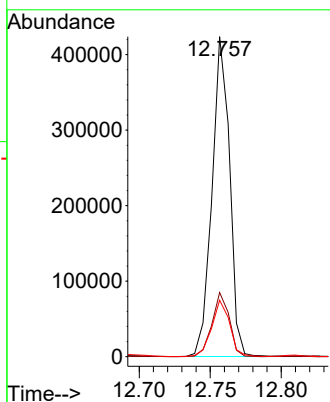
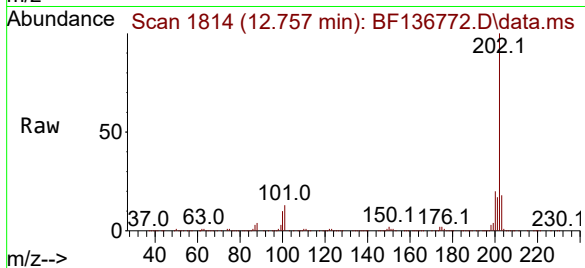
Tgt Ion:202 Resp: 363874

Ion Ratio Lower Upper

202 100

200 20.0 15.9 23.9

203 17.7 13.8 20.6



#79

Terphenyl-d14

Concen: 52.220 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

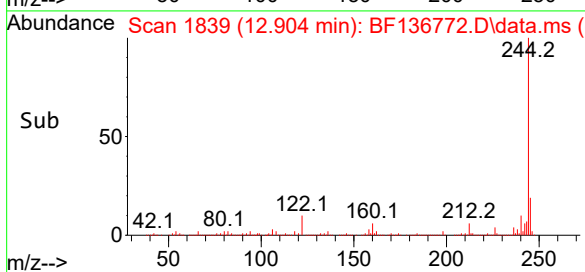
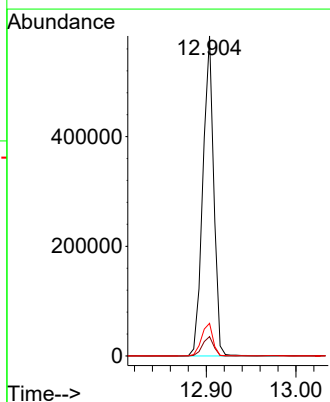
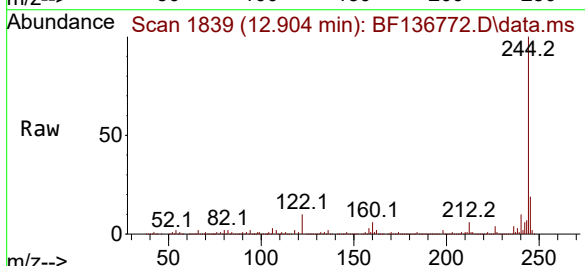
Tgt Ion:244 Resp: 490668

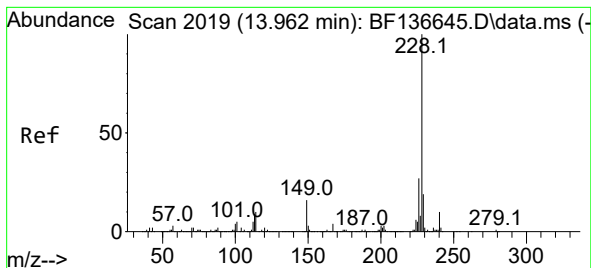
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 10.2 9.0 13.4





#81

Benzo(a)anthracene

Concen: 23.307 ng

RT: 13.951 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

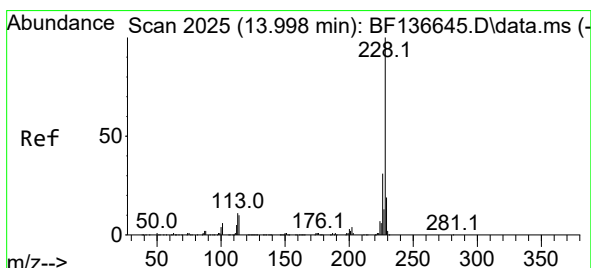
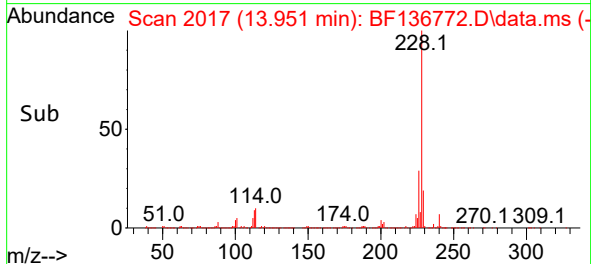
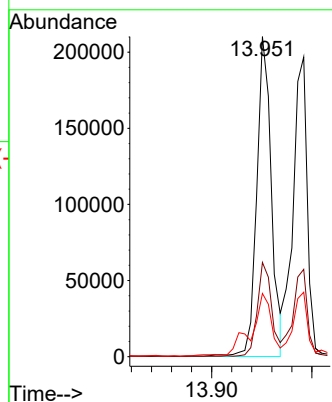
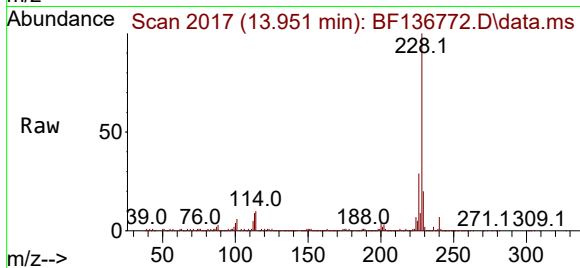
Tgt Ion:228 Resp: 212508

Ion Ratio Lower Upper

228 100

226 29.5 21.4 32.0

229 19.8 14.9 22.3



#83

Chrysene

Concen: 21.648 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

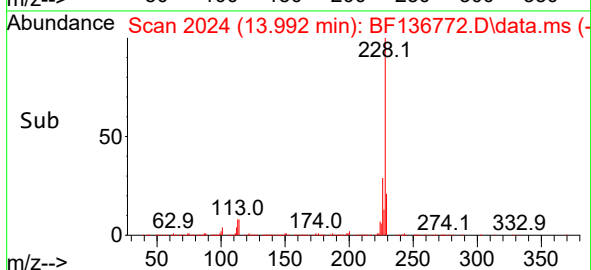
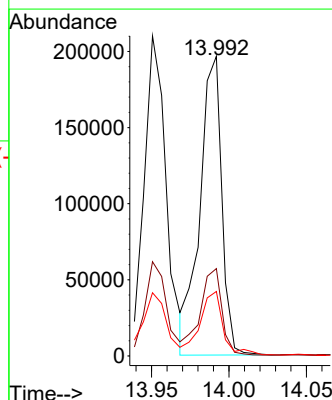
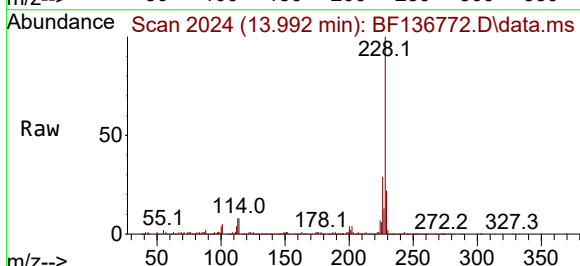
Tgt Ion:228 Resp: 193020

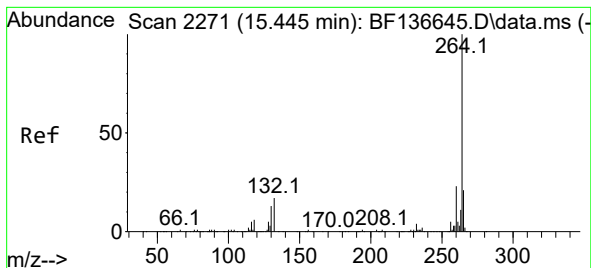
Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 21.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

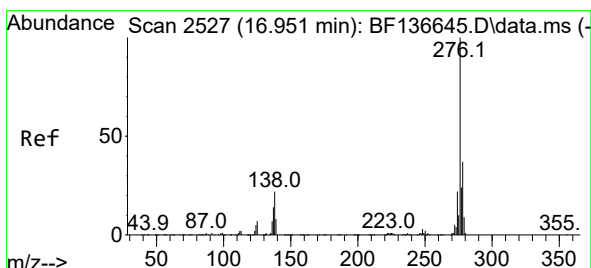
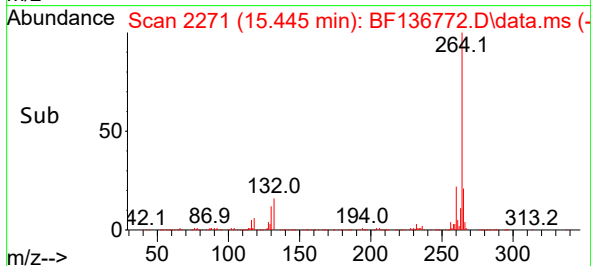
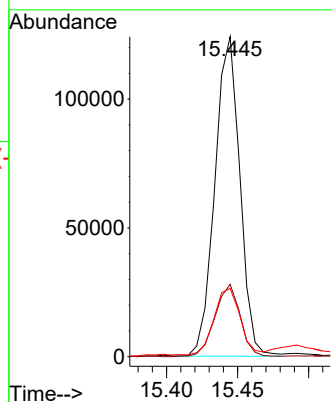
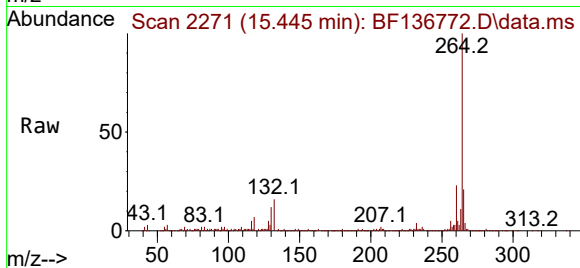
Tgt Ion:264 Resp: 151618

Ion Ratio Lower Upper

264 100

260 22.6 18.3 27.5

265 21.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.951 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

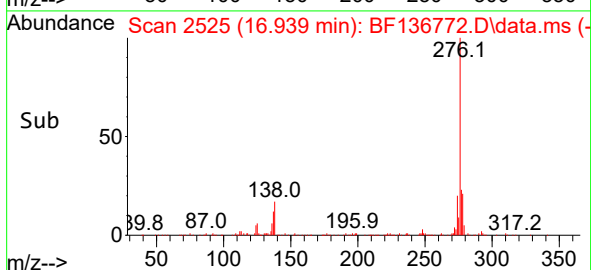
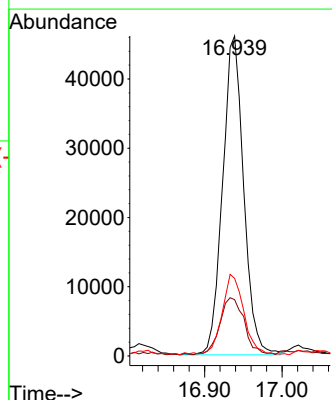
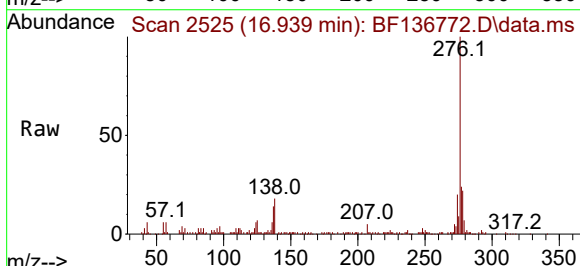
Tgt Ion:276 Resp: 87035

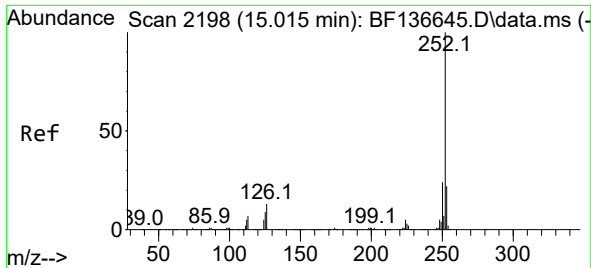
Ion Ratio Lower Upper

276 100

138 20.5 18.7 28.1

277 25.2 20.2 30.2

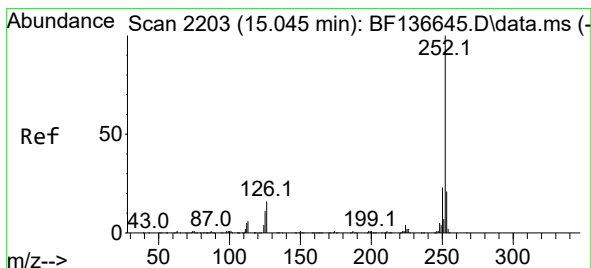
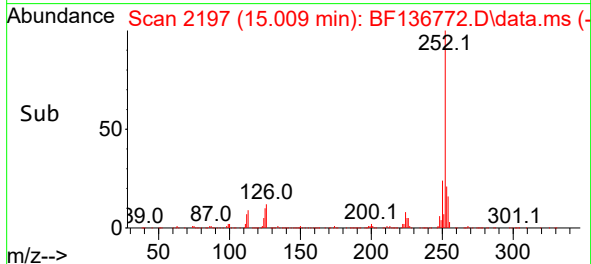
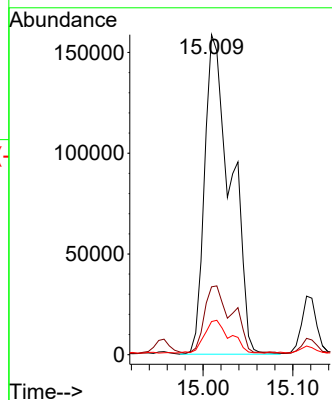
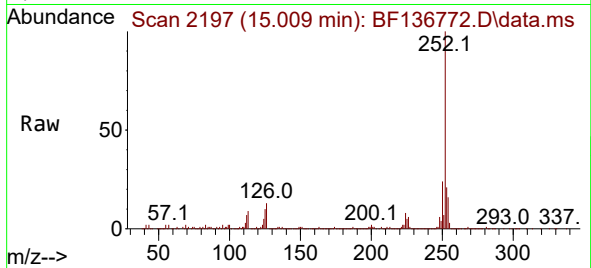




#88
Benzo(b)fluoranthene
Concen: 31.907 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

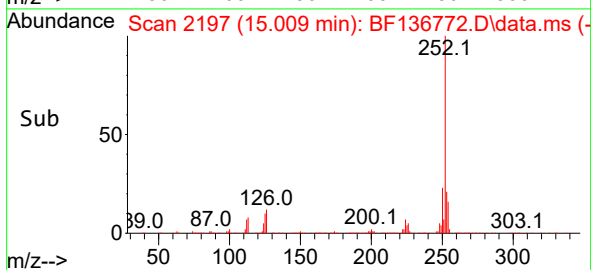
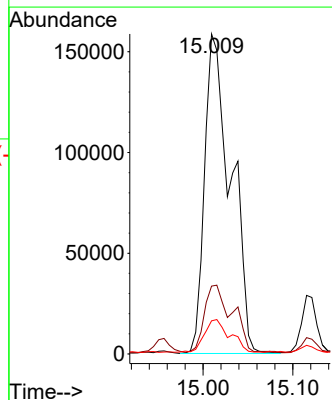
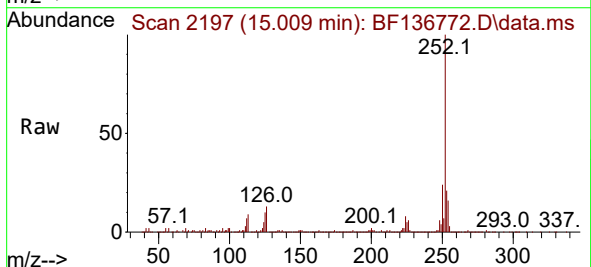
Instrument :
BNA_F
ClientSampleId :

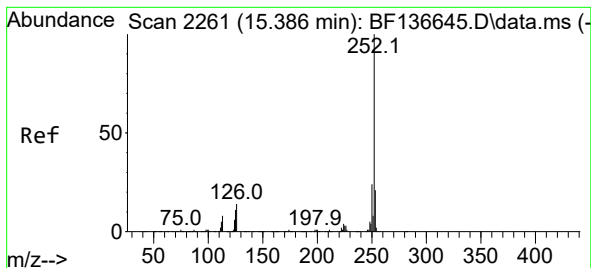
Tgt Ion:252 Resp: 323117
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 10.3 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 33.768 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

Tgt Ion:252 Resp: 323117
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 10.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 14.182 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

Instrument :

BNA_F

ClientSampleId :

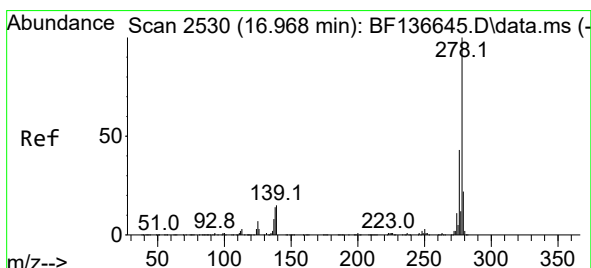
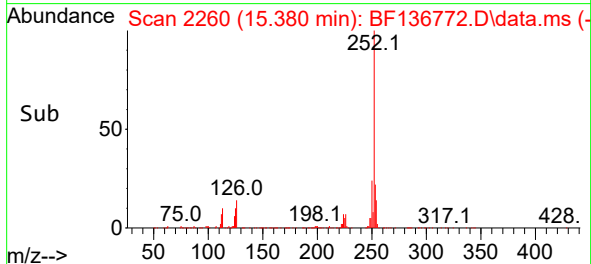
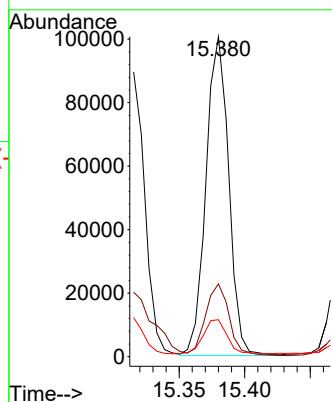
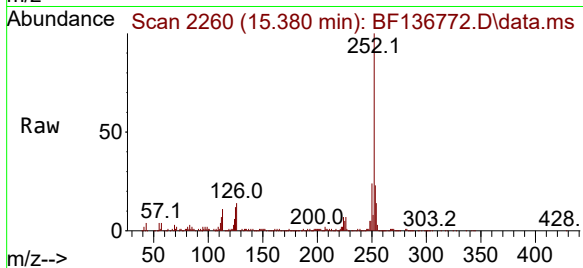
Tgt Ion:252 Resp: 121228

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 11.5 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.004 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.159 min

Lab File: BF136772.D

Acq: 27 Dec 2023 22:32

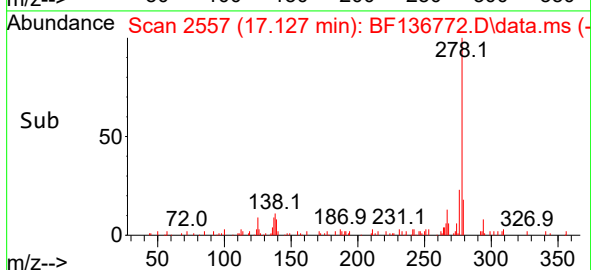
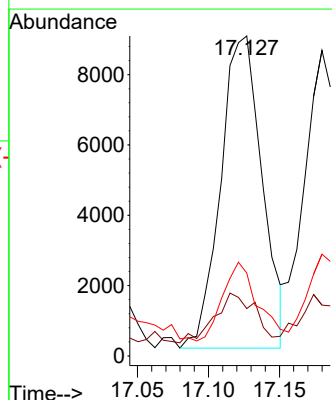
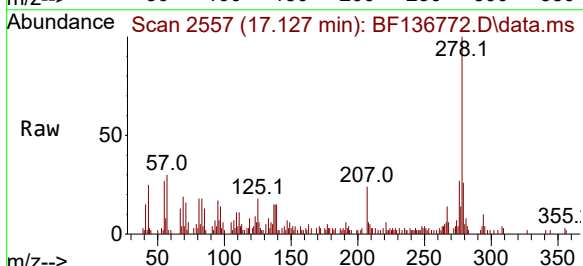
Tgt Ion:278 Resp: 17996

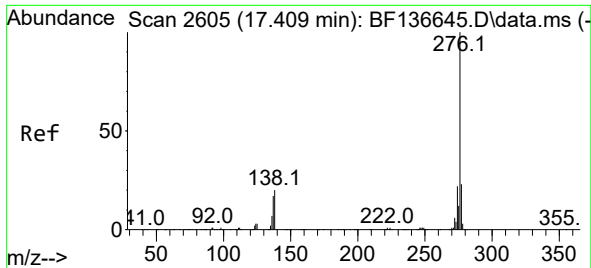
Ion Ratio Lower Upper

278 100

139 14.8 12.2 18.4

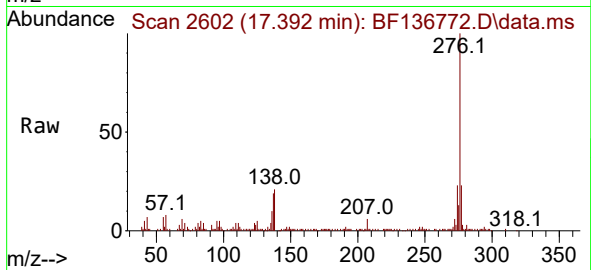
279 25.9 17.8 26.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.298 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136772.D
 Acq: 27 Dec 2023 22:32

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	67127
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.3	27.5
138	20.7	15.6	23.4

