

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 :
 RT-SB-09-10.5-11.5

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

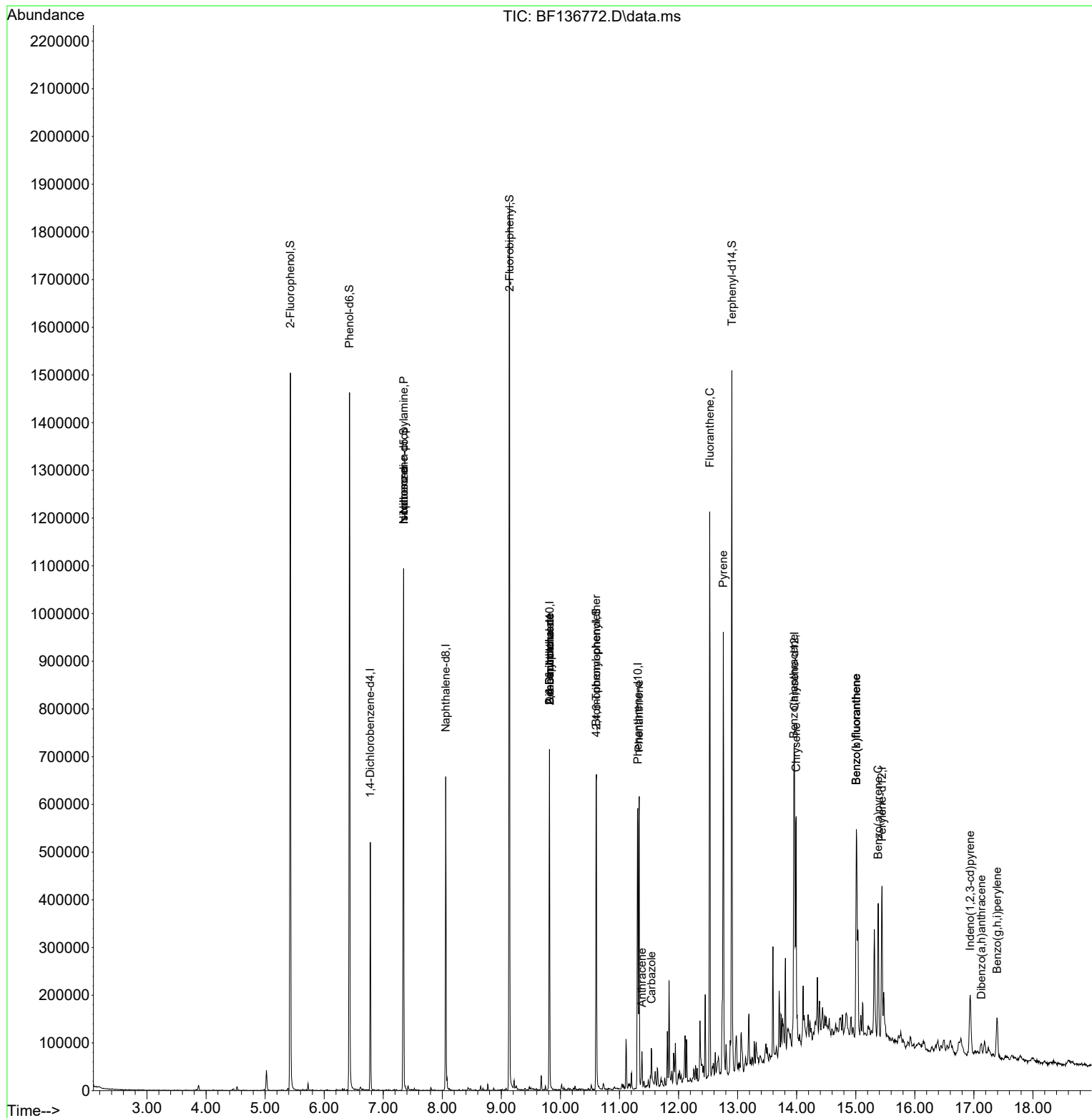
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67896	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	262211	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	134160	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	236482	20.000	ng	0.00
76) Chrysene-d12	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						
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

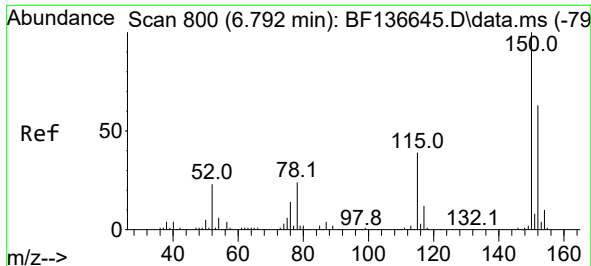
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
RT-SB-09-10.5-11.5

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

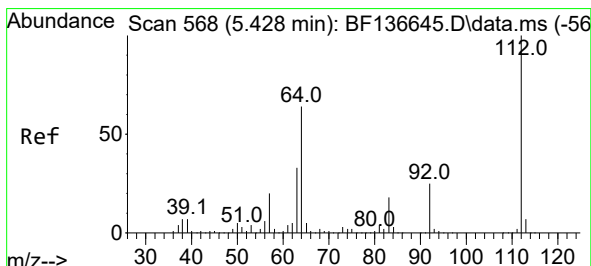
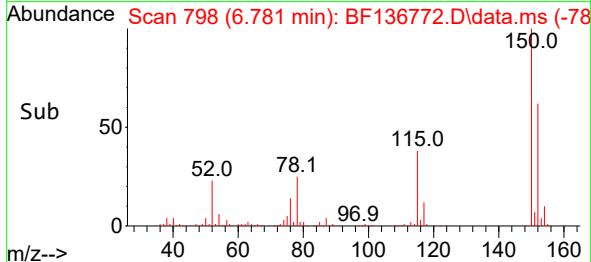
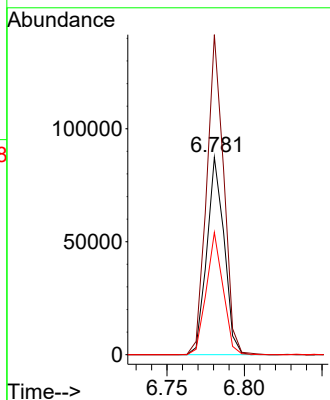
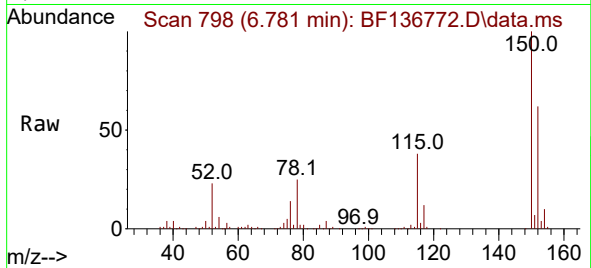




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

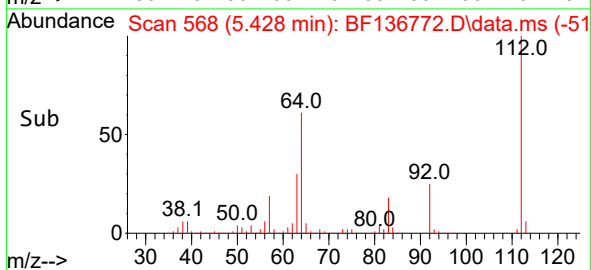
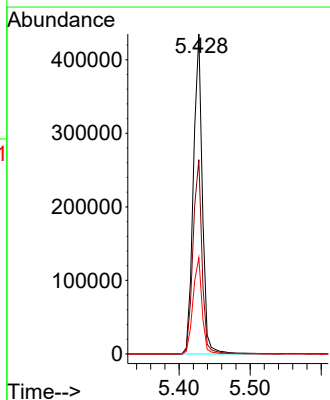
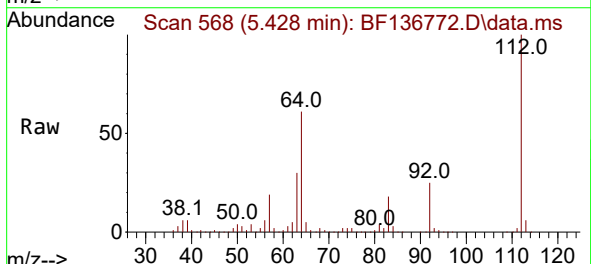
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

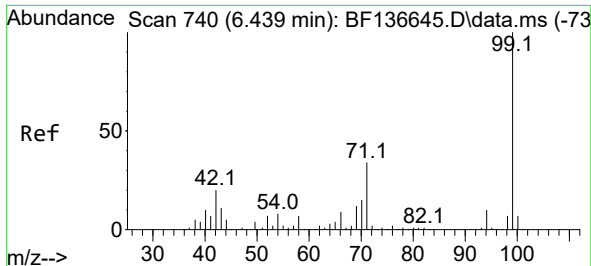
Tgt Ion:152 Resp: 67896
Ion Ratio Lower Upper
152 100
150 162.1 127.0 190.6
115 61.9 49.0 73.4



#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

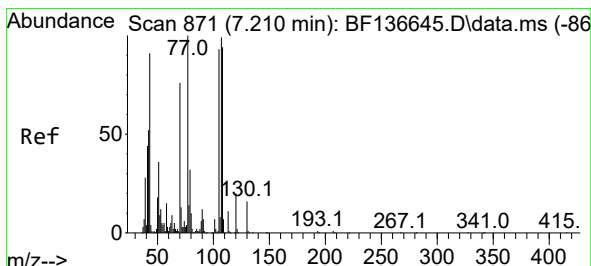
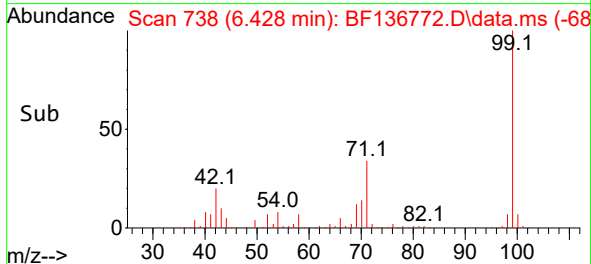
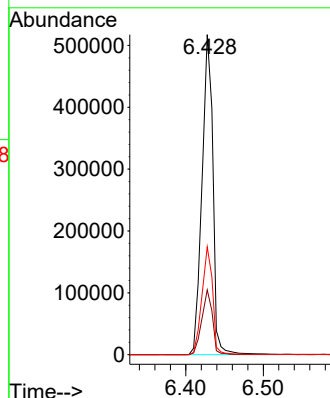
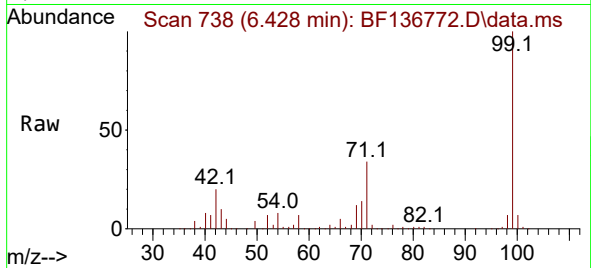




#7
Phenol-d6
Concen: 89.691 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

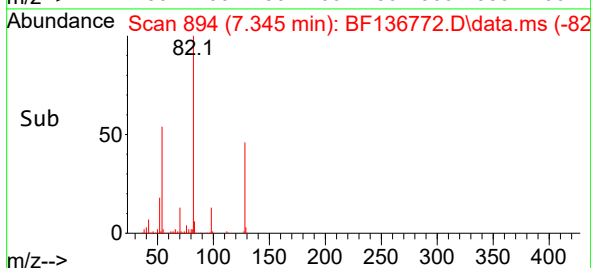
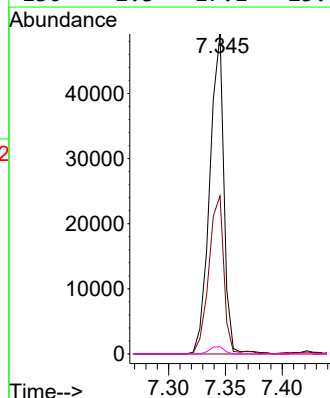
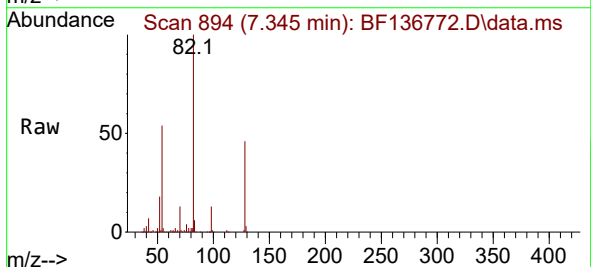
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

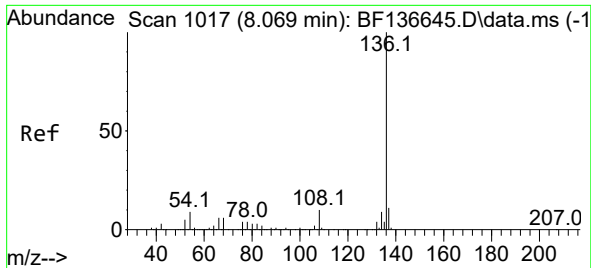
Tgt Ion: 99 Resp: 505725
Ion Ratio Lower Upper
99 100
42 20.3 16.1 24.1
71 33.7 27.4 41.2



#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#

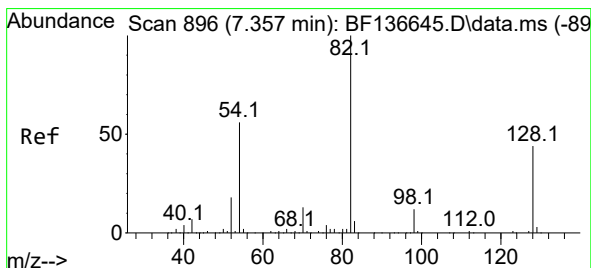
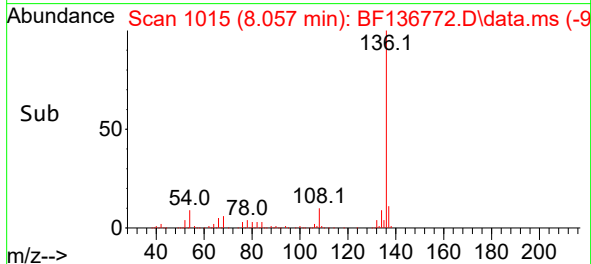
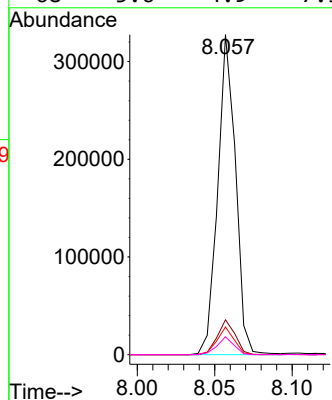
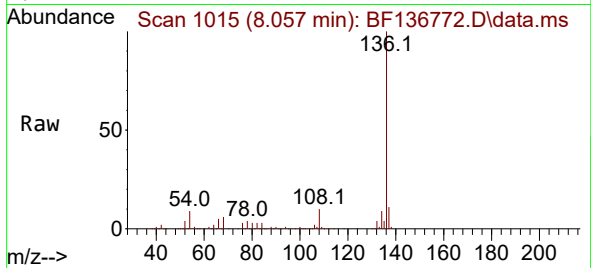




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

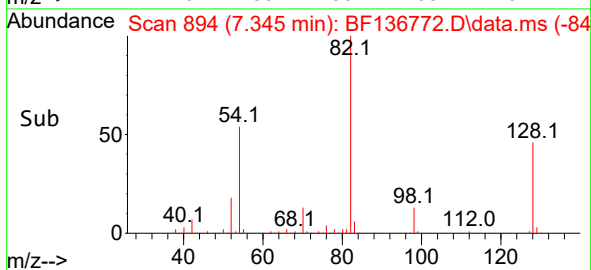
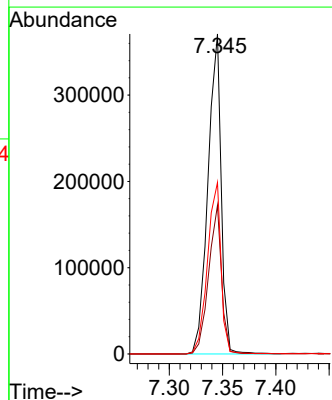
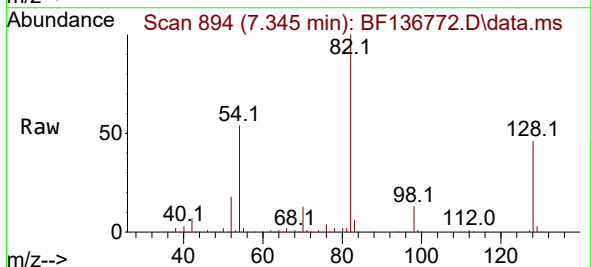
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

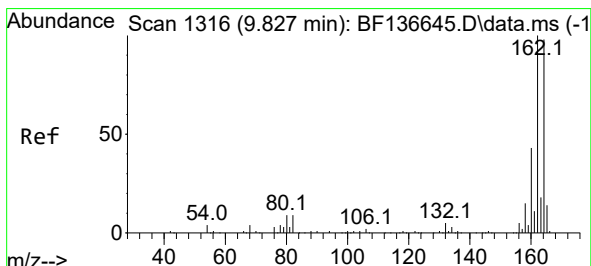
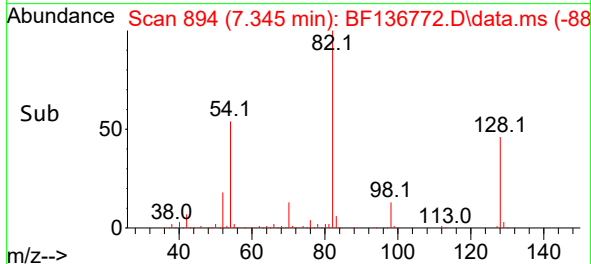
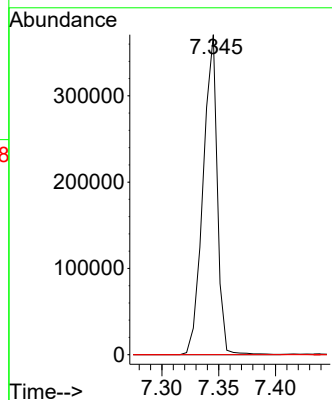
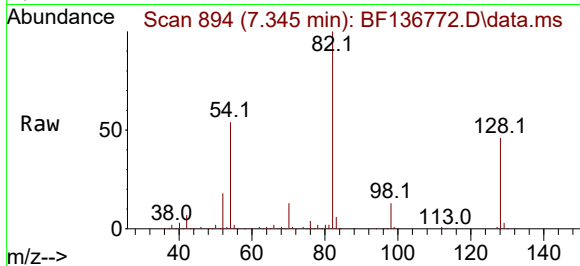




#25
Isophorone
Concen: 34.552 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

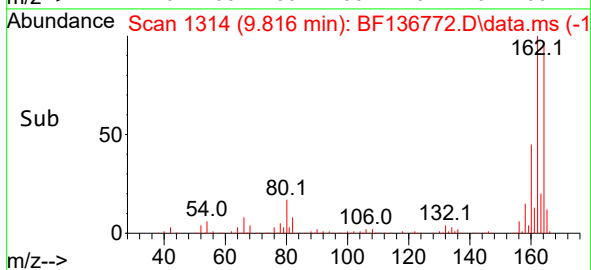
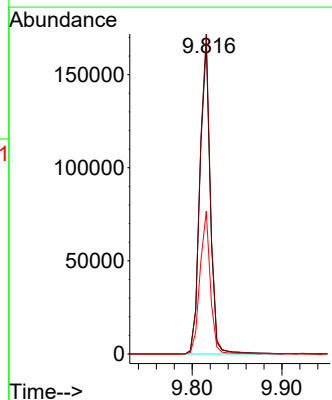
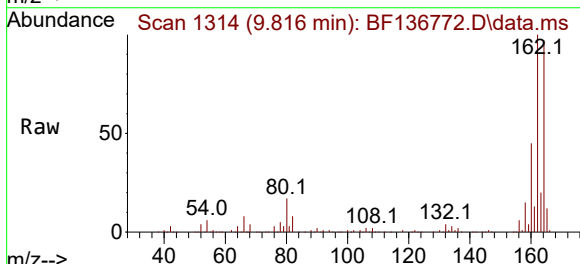
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

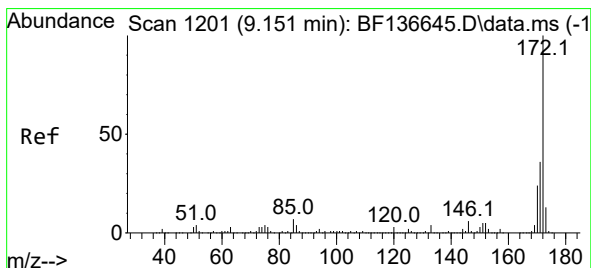
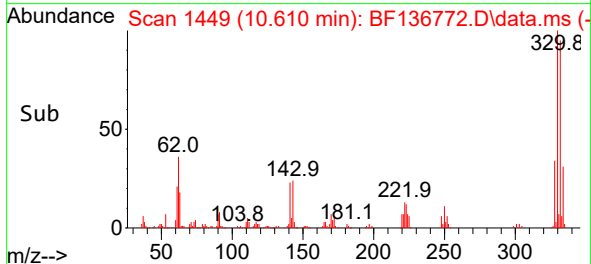
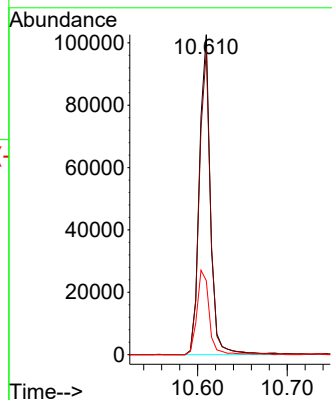
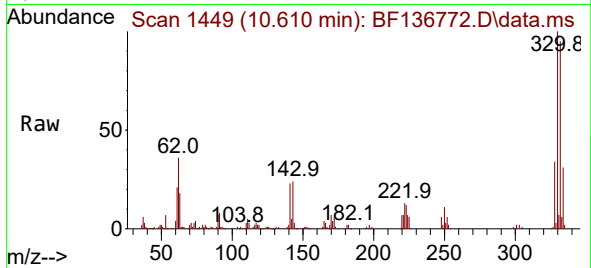




#42
2,4,6-Tribromophenol
Concen: 55.392 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

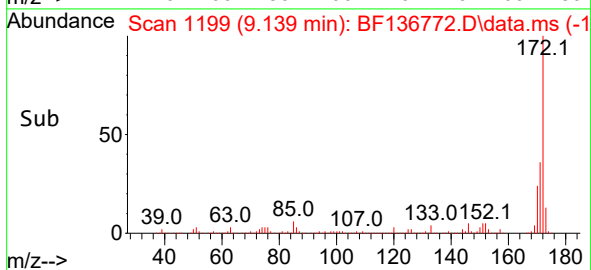
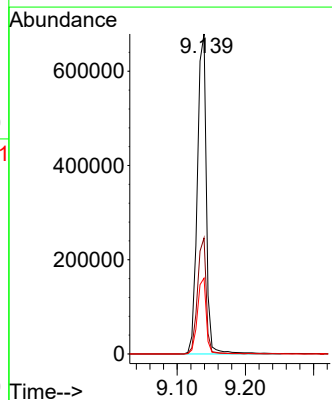
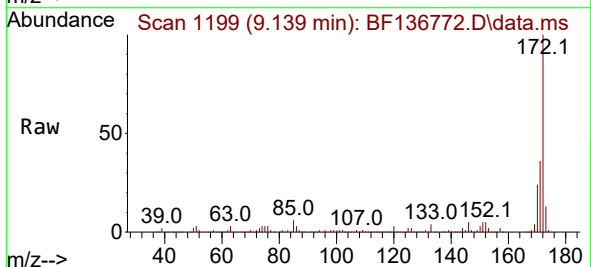
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

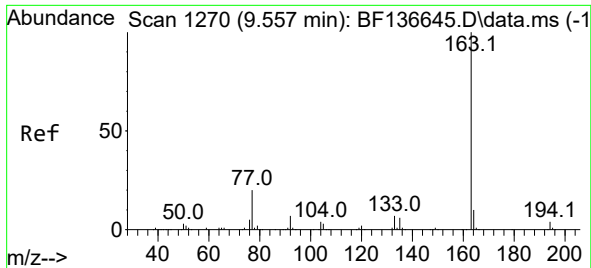
Tgt Ion: 330 Resp: 87521
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 29.5 23.4 35.2



#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

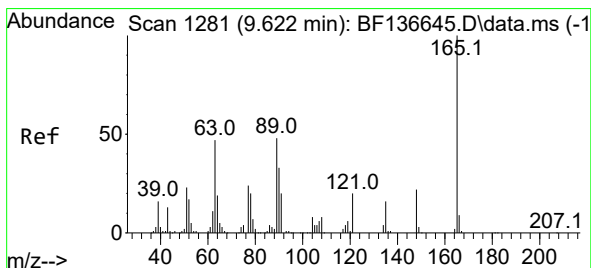
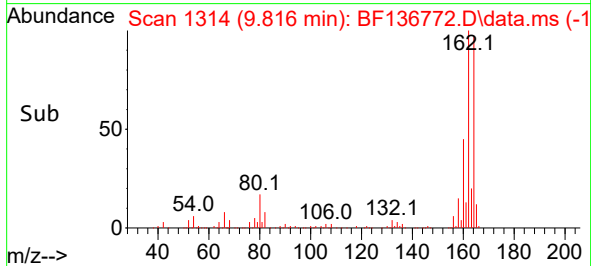
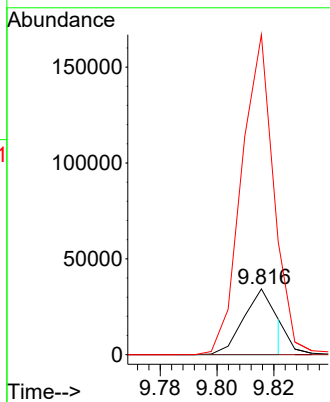
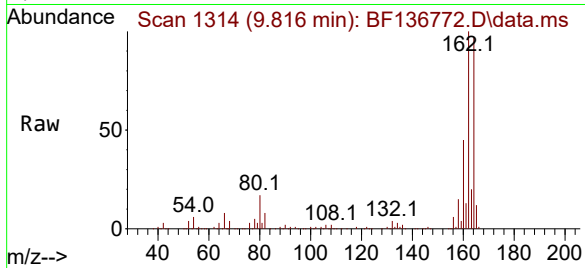




#50
Dimethylphthalate
Concen: 2.804 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

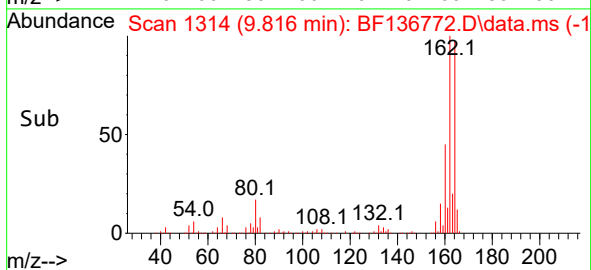
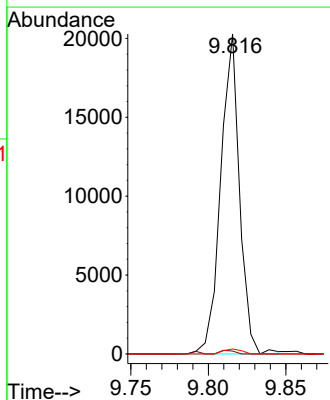
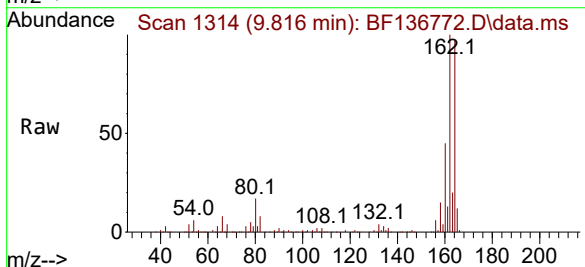
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

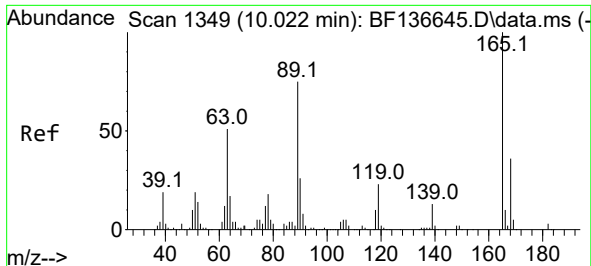
Tgt Ion:163 Resp: 27478
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 486.3 7.8 11.6#



#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#

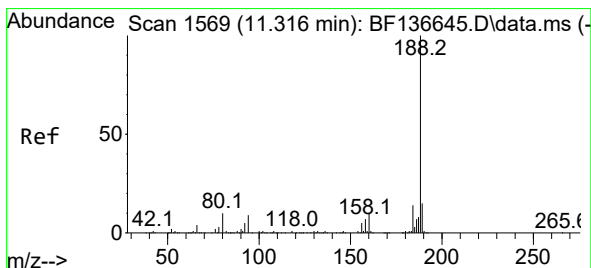
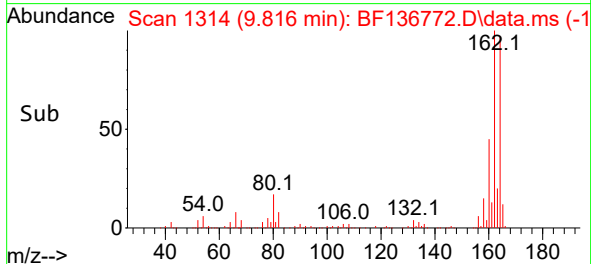
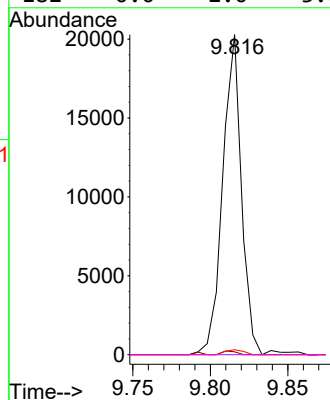
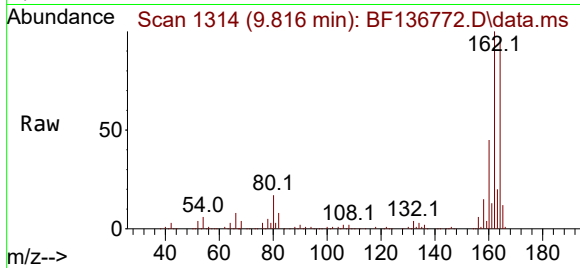




#57
2,4-Dinitrotoluene
Concen: 5.933 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

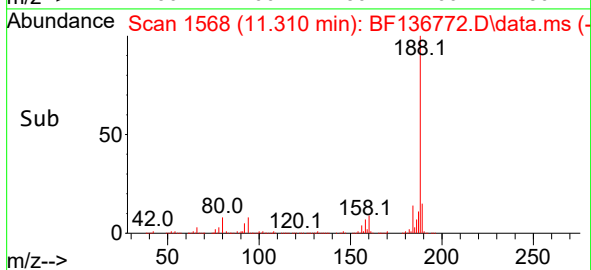
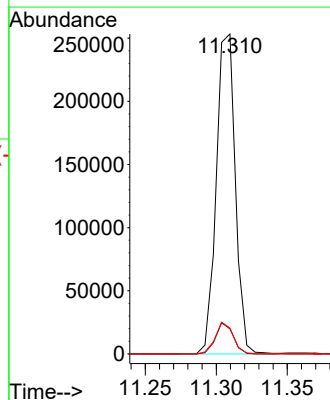
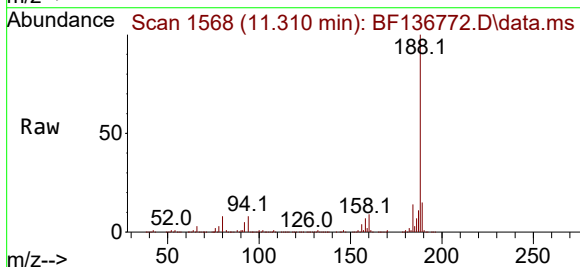
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

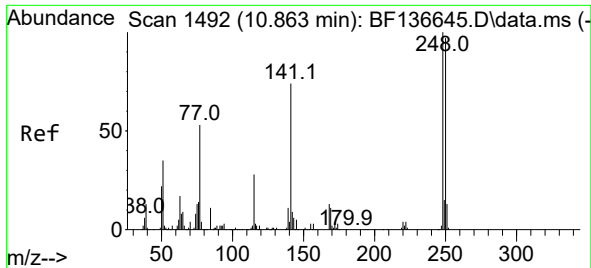
Tgt Ion:165 Resp: 17130
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#



#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

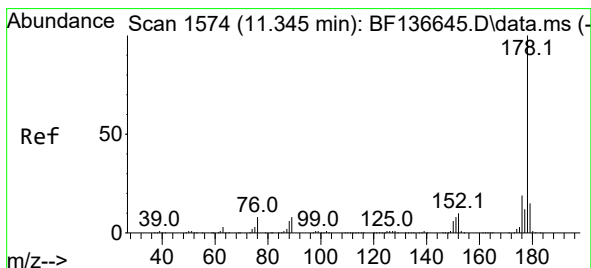
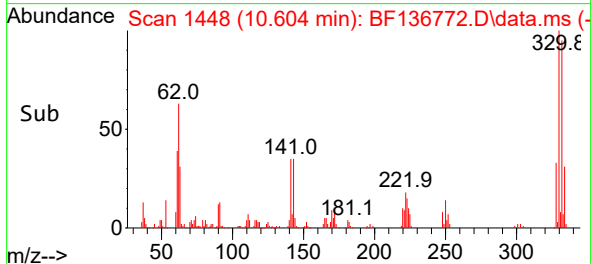
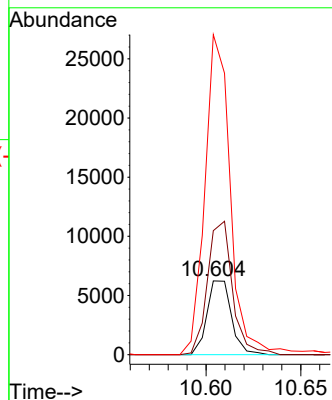
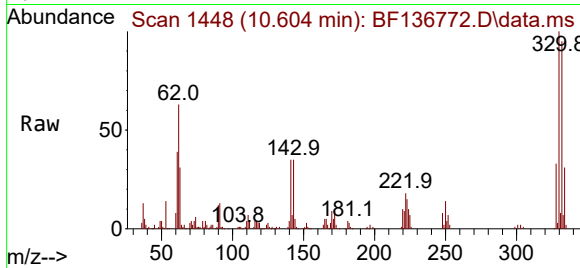




#67
4-Bromophenyl-phenylether
Concen: 2.144 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

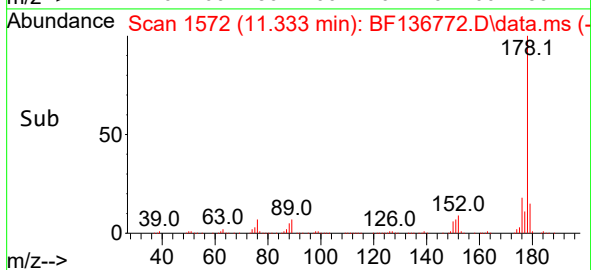
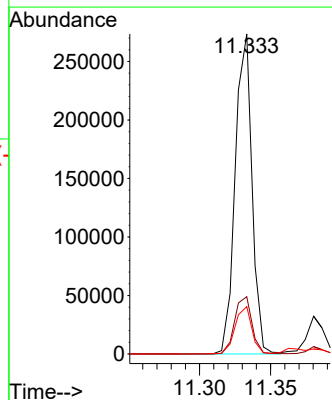
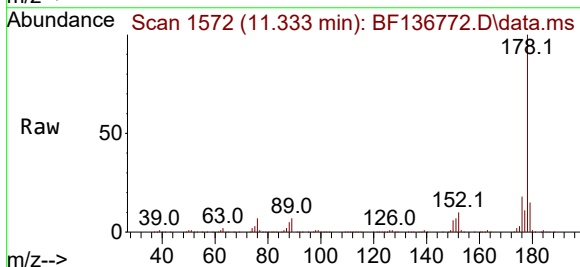
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

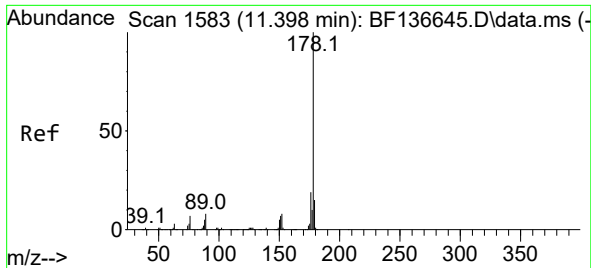
Tgt Ion:248 Resp: 5632
Ion Ratio Lower Upper
248 100
250 168.2 77.8 116.6#
141 433.7 59.2 88.8#



#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

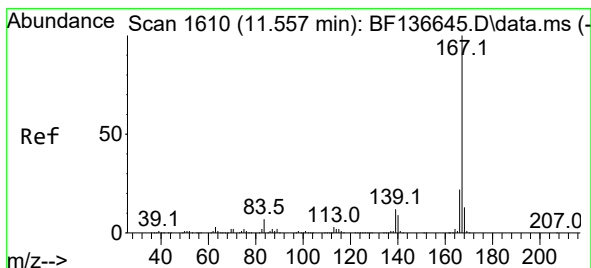
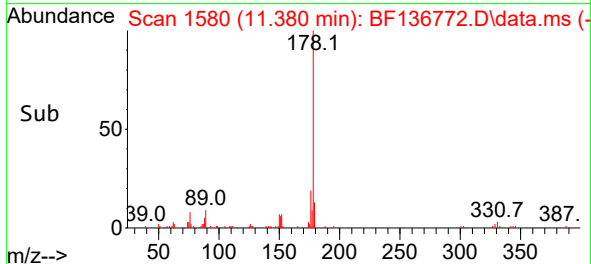
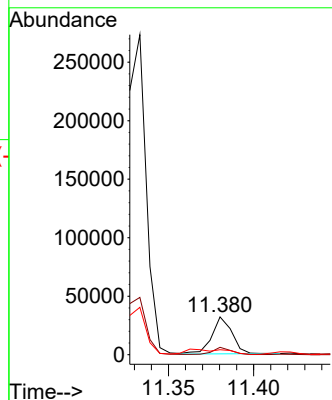
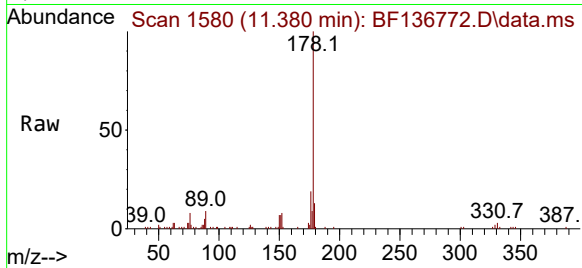




#72
 Anthracene
 Concen: 2.116 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136772.D
 Acq: 27 Dec 2023 22:32

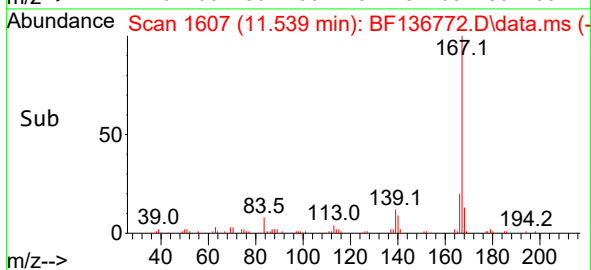
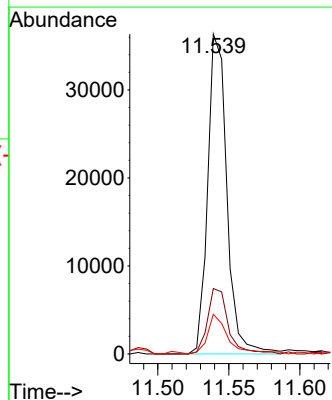
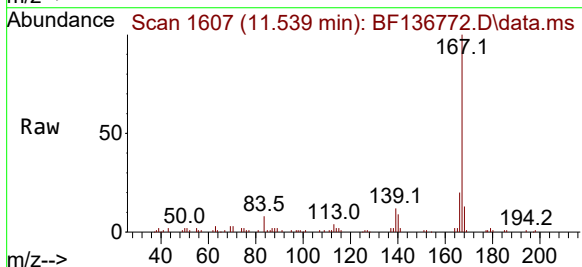
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-09-10.5-11.5

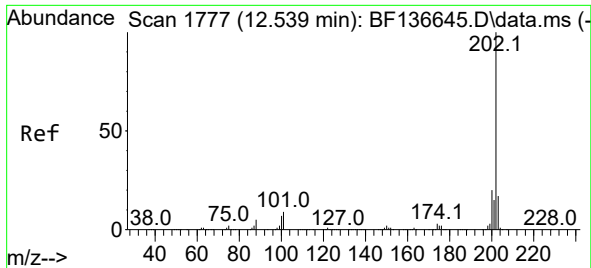
Tgt Ion:178 Resp: 26003
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.9 22.3
 179 13.3 11.8 17.6



#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

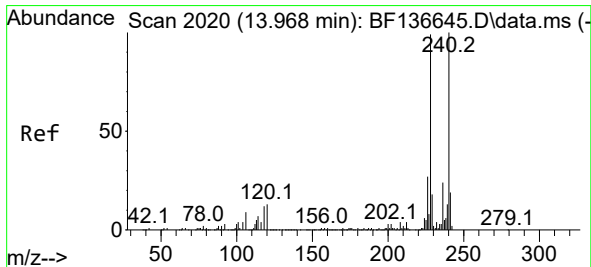
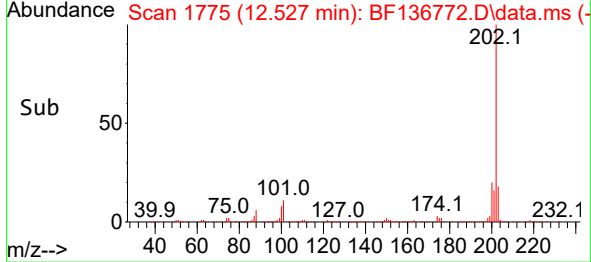
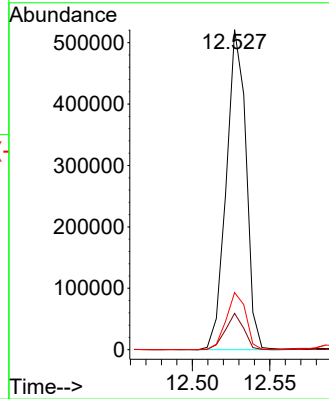
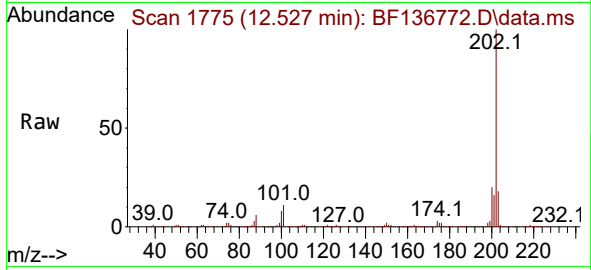




#75
Fluoranthene
Concen: 35.649 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

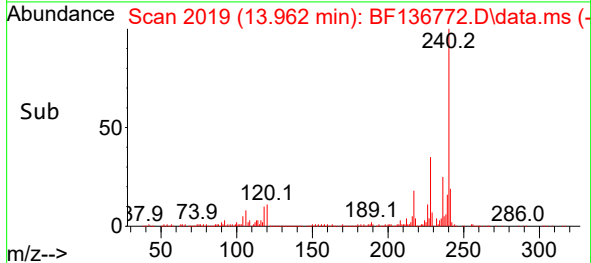
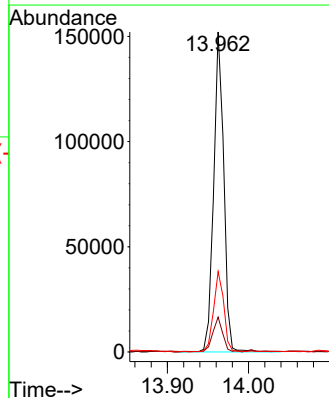
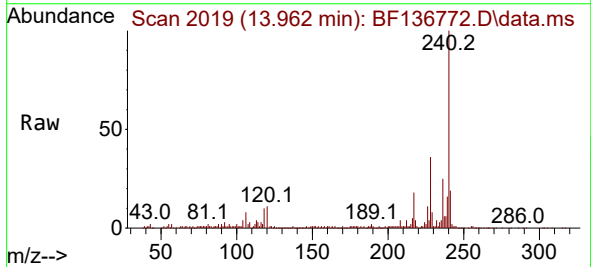
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

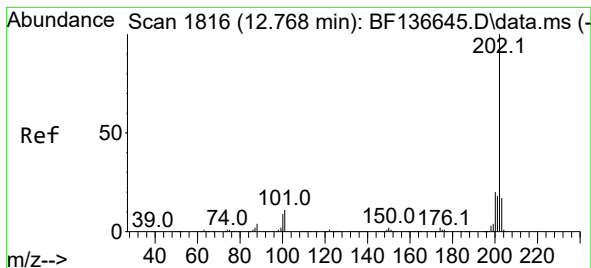
Tgt Ion:202 Resp: 462703
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.8 0.0 37.1



#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 :

RT-SB-09-10.5-11.5

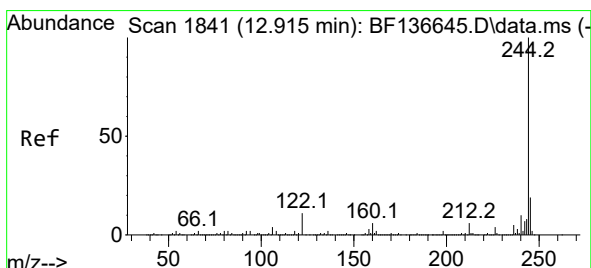
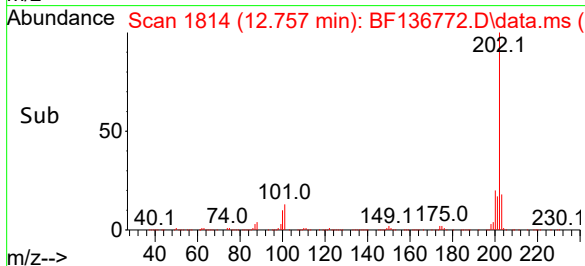
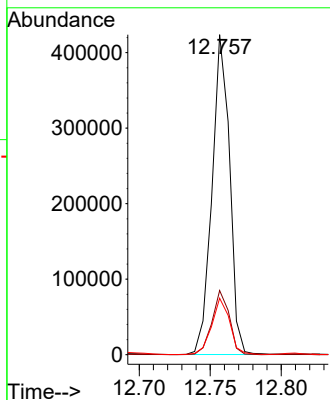
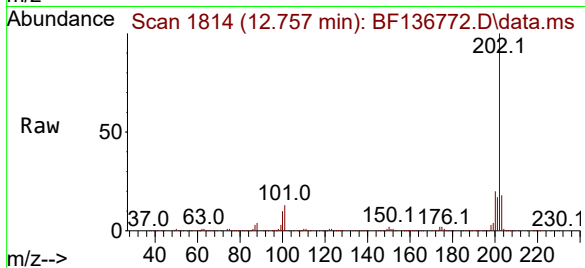
Tgt Ion:202 Resp: 363874

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

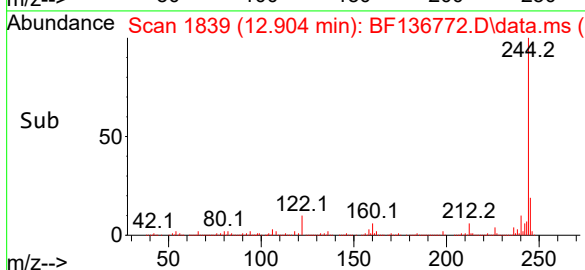
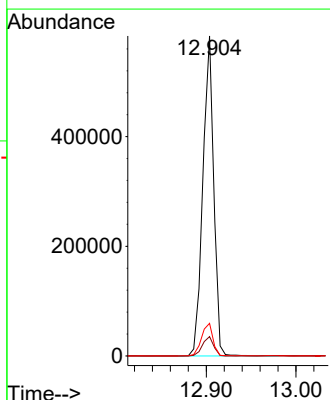
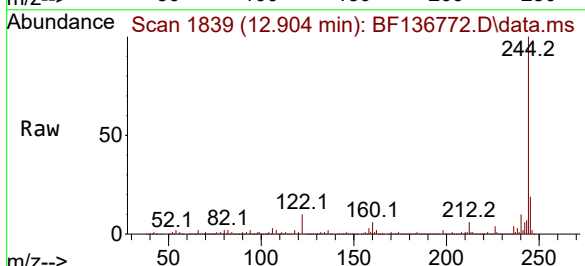
Tgt Ion:244 Resp: 490668

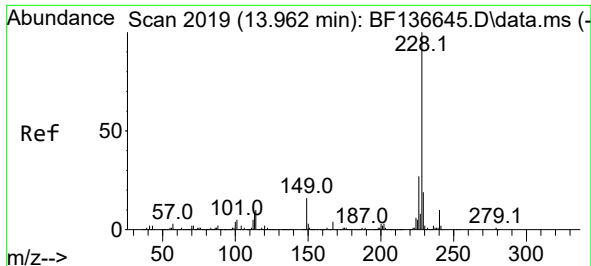
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 10.2 9.0 13.4

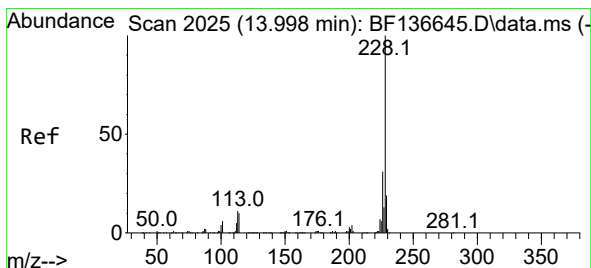
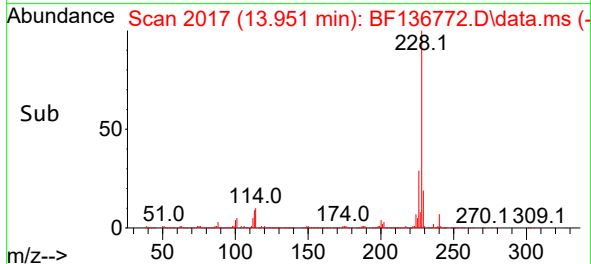
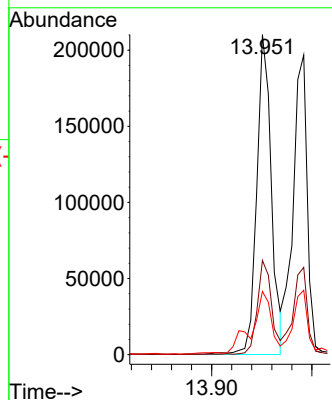
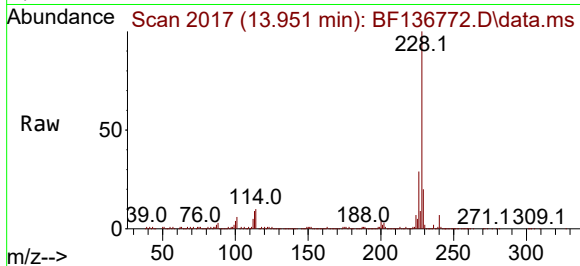




#81
Benzo(a)anthracene
Concen: 23.307 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

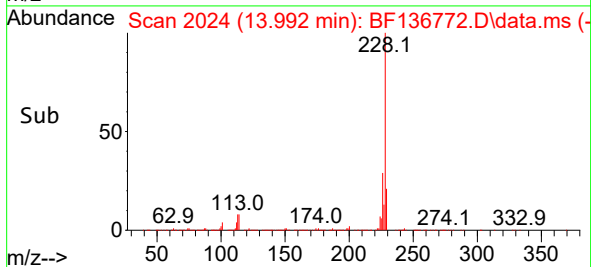
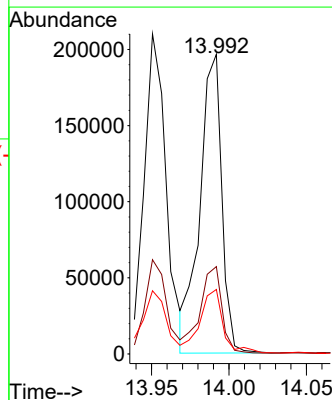
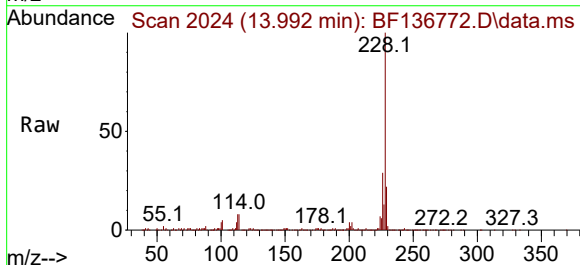
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

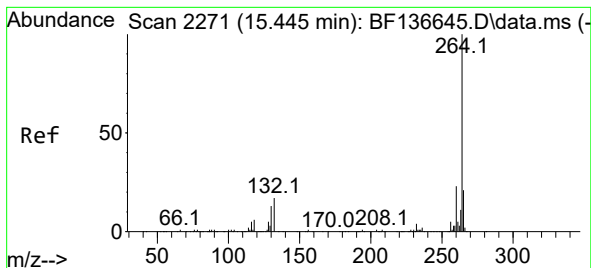
Tgt Ion:228 Resp: 212508
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.0
229 19.8 14.9 22.3



#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 :

RT-SB-09-10.5-11.5

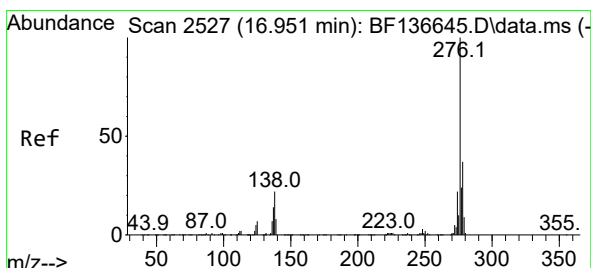
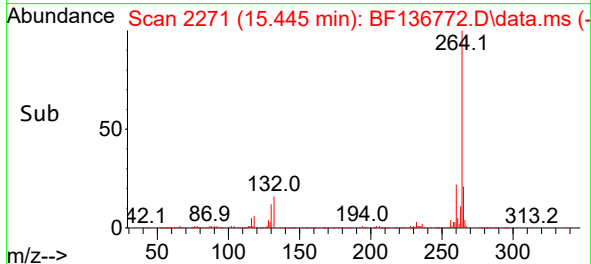
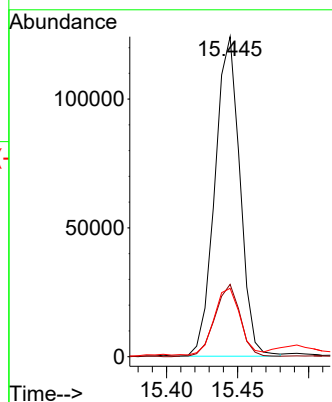
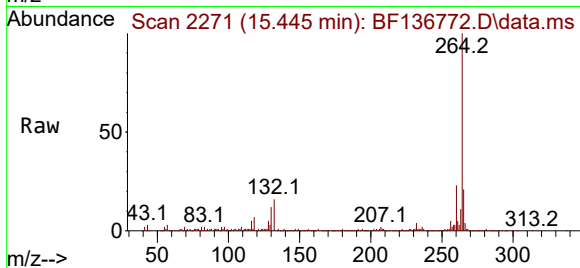
Tgt Ion:264 Resp: 151618

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

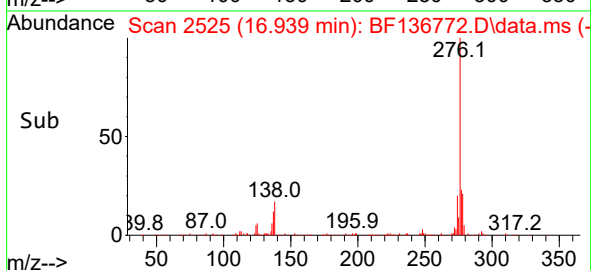
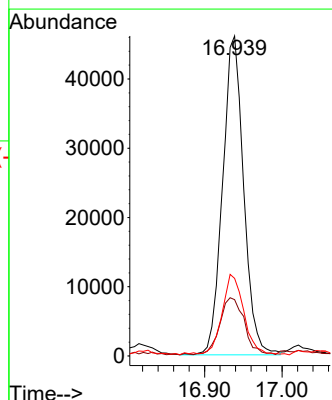
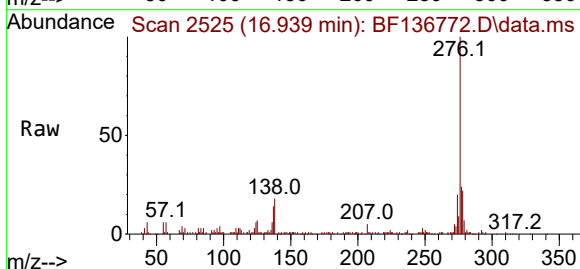
Tgt Ion:276 Resp: 87035

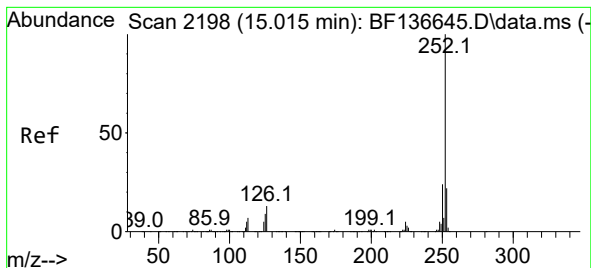
Ion Ratio Lower Upper

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 :

RT-SB-09-10.5-11.5

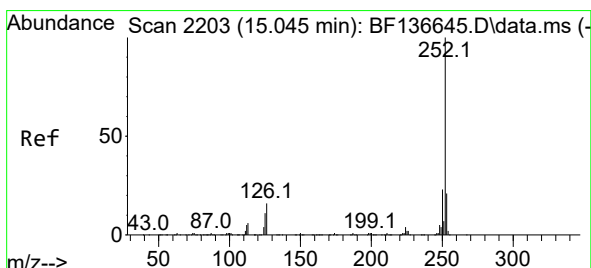
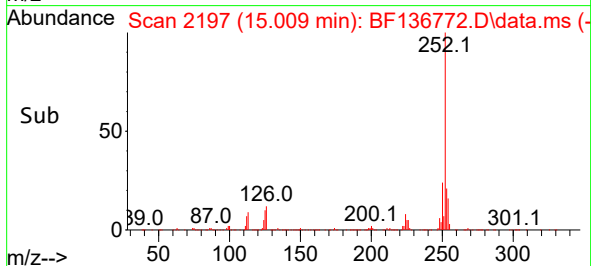
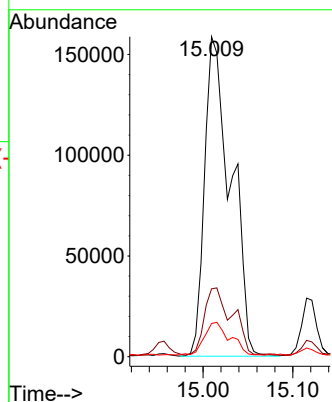
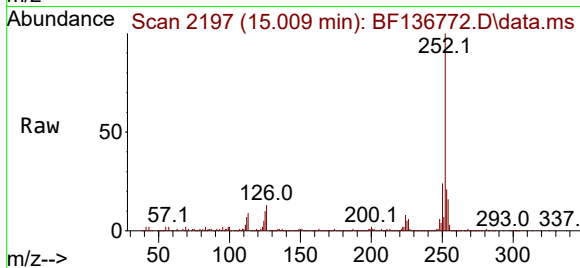
Tgt Ion:252 Resp: 323117

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

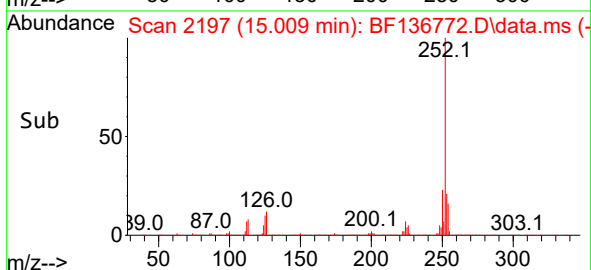
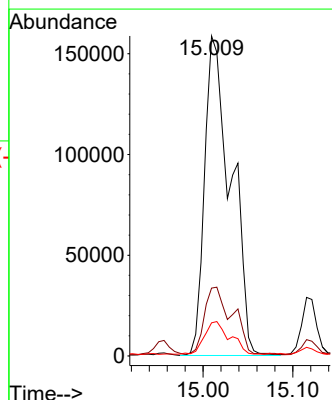
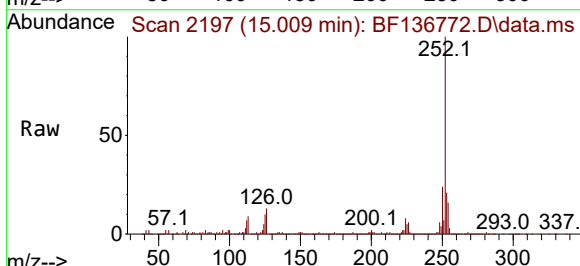
Tgt Ion:252 Resp: 323117

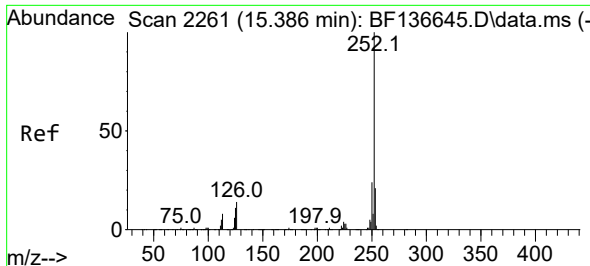
Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 10.3 8.2 12.4

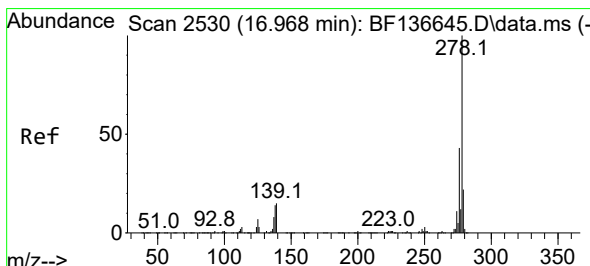
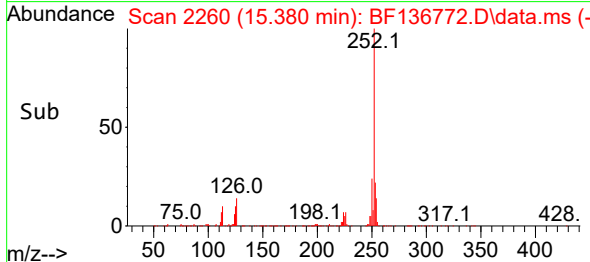
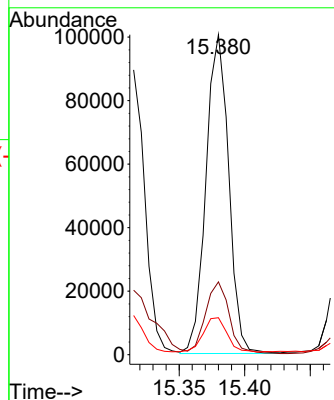
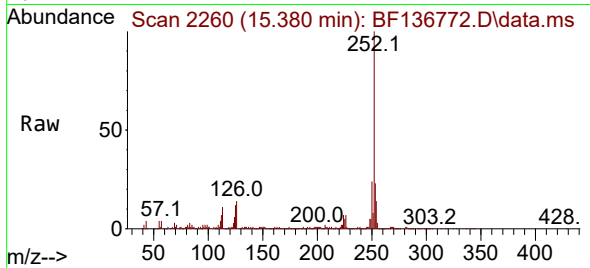




#90
Benzo(a)pyrene
Concen: 14.182 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136772.D
Acq: 27 Dec 2023 22:32

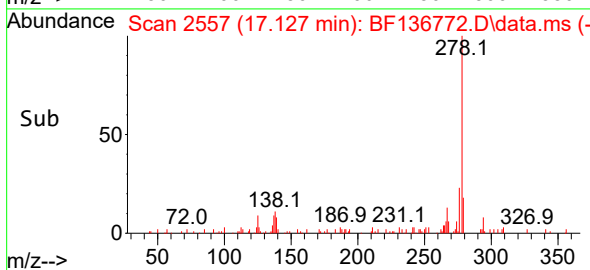
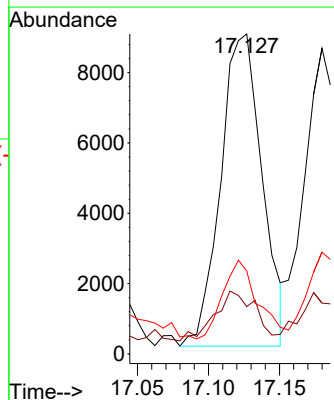
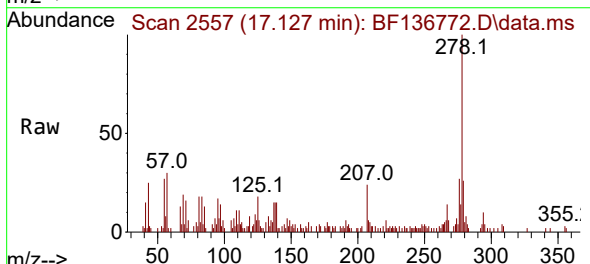
Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

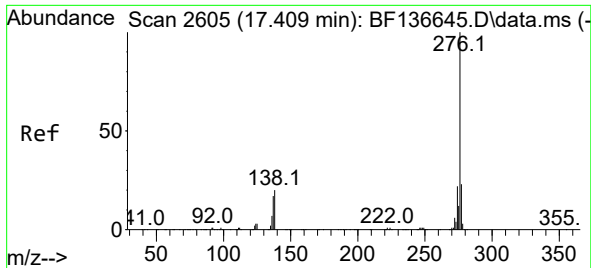
Tgt Ion:252 Resp: 121228
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.5 8.8 13.2



#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

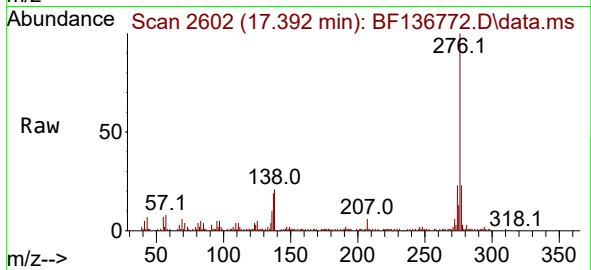
Tgt Ion:278 Resp: 17996
Ion Ratio Lower Upper
278 100
139 14.8 12.2 18.4
279 25.9 17.8 26.6





#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 :
 RT-SB-09-10.5-11.5



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

