

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135798.D
 Acq On : 17 Oct 2023 02:29
 Operator : CG\JU
 Sample : 04704-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 04:11:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

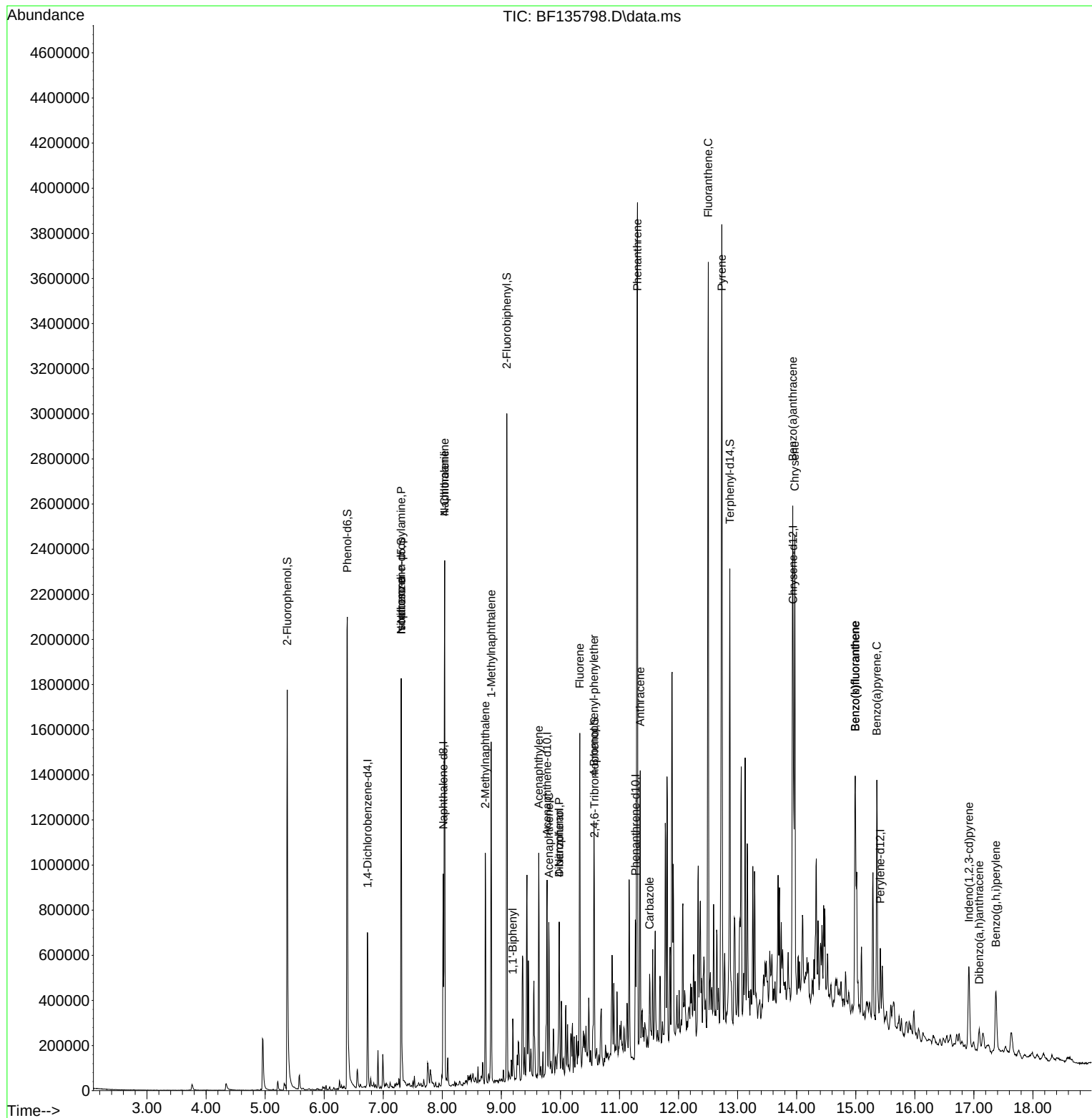
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	97965	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	371532	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	166222	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	253023	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	171574	20.000	ng	#-0.01
86) Perylene-d12	15.415	264	140554	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	548094	89.950	ng	0.00
7) Phenol-d6	6.392	99	793123	104.320	ng	0.00
23) Nitrobenzene-d5	7.304	82	497903	73.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	103478	64.875	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	875076	82.311	ng	-0.01
79) Terphenyl-d14	12.868	244	687947	74.255	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	67193	14.294	ng	# 76
25) Isophorone	7.304	82	497903	39.069	ng	# 66
31) Naphthalene	8.039	128	926919	51.149	ng	99
33) 4-Chloroaniline	8.039	127	121738	15.378	ng	# 32
37) 2-Methylnaphthalene	8.728	142	255615	21.409	ng	98
38) 1-Methylnaphthalene	8.828	142	355205	32.256	ng	100
46) 1,1'-Biphenyl	9.192	154	78586	6.172	ng	99
49) Acenaphthylene	9.633	152	314336	20.699	ng	97
52) Acenaphthene	9.804	154	132365	14.542	ng	97
55) Dibenzofuran	9.980	168	179969	13.104	ng	# 95
56) 4-Nitrophenol	9.980	139	66220	50.997	ng	# 7
58) Fluorene	10.327	166	403610	37.538	ng	99
67) 4-Bromophenyl-phenylether	10.569	248	6305	2.482	ng	# 1
71) Phenanthrene	11.304	178	1586341	130.876	ng	100
72) Anthracene	11.351	178	482902	38.447	ng	99
73) Carbazole	11.510	167	86892	7.418	ng	98
75) Fluoranthene	12.504	202	1527659	113.557	ng	99
78) Pyrene	12.733	202	1709038	125.350	ng	98
81) Benzo(a)anthracene	13.933	228	875130	77.654	ng	94
83) Chrysene	13.968	228	801504	73.428	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	245582	32.067	ng	94
88) Benzo(b)fluoranthene	14.992	252	874350	111.151	ng	99
89) Benzo(k)fluoranthene	14.992	252	874350	114.488	ng	98
90) Benzo(a)pyrene	15.357	252	527518	71.315	ng	98
91) Dibenzo(a,h)anthracene	17.092	278	63527	10.119	ng	94
92) Benzo(g,h,i)perylene	17.374	276	236020	36.598	ng	98

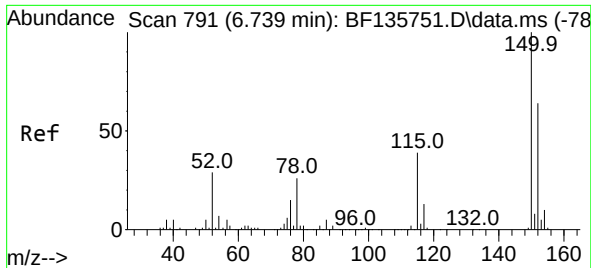
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135798.D
Acq On : 17 Oct 2023 02:29
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

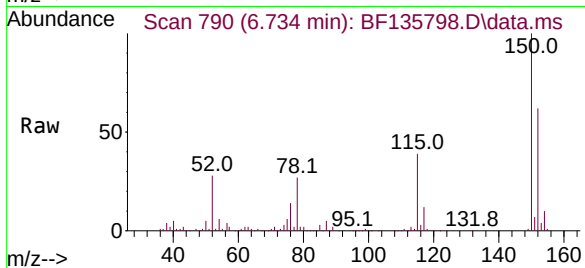
Quant Time: Oct 17 04:11:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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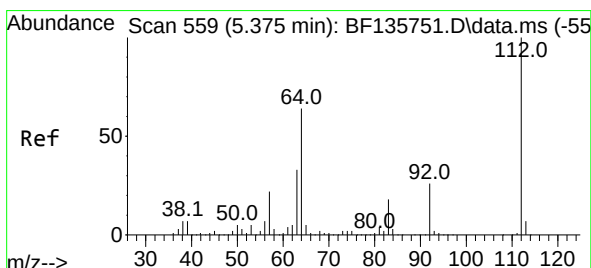
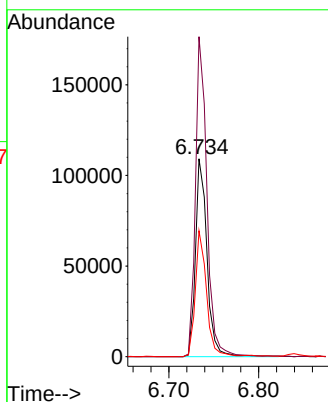
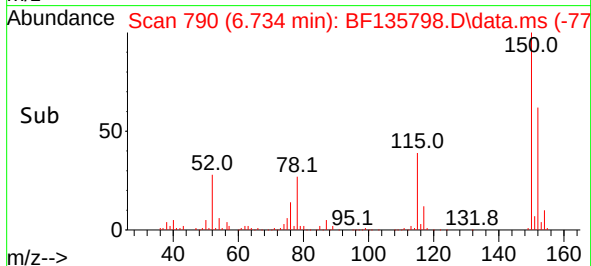


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

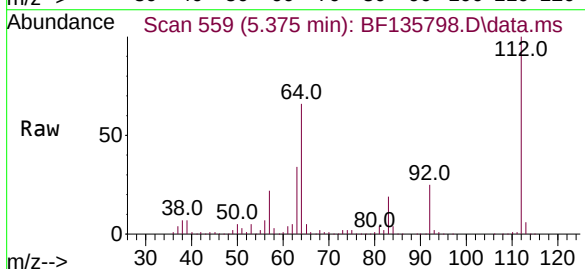
Instrument :
BNA_F
ClientSampleId :



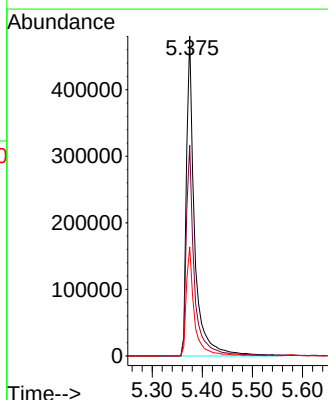
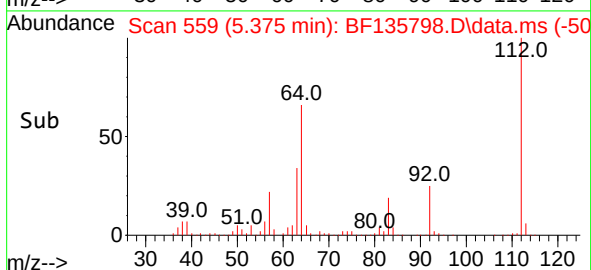
Tgt Ion:152 Resp: 97965
Ion Ratio Lower Upper
152 100
150 161.6 124.5 186.7
115 63.6 49.0 73.4

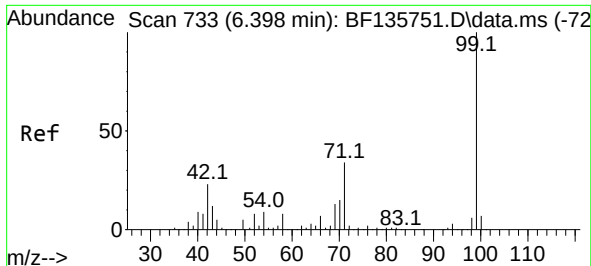


#5
2-Fluorophenol
Concen: 89.950 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29



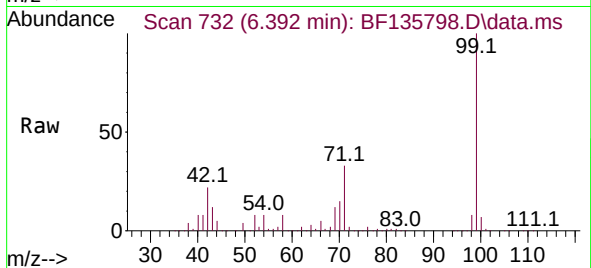
Tgt Ion:112 Resp: 548094
Ion Ratio Lower Upper
112 100
64 65.8 51.2 76.8
63 34.1 26.1 39.1



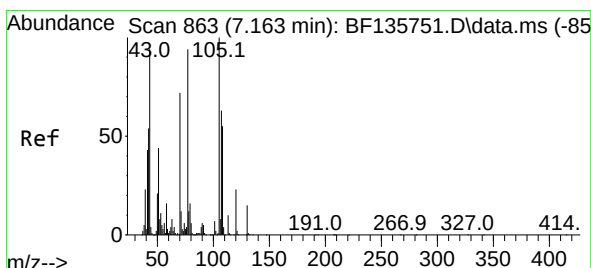
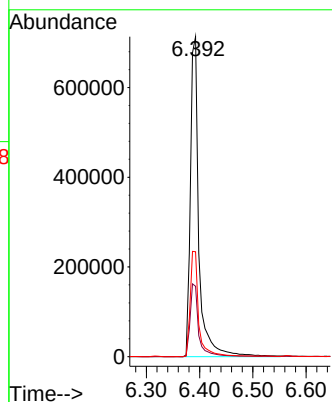
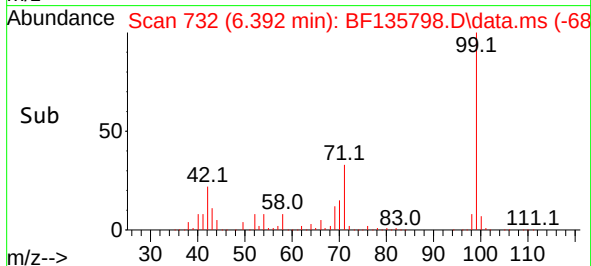


#7
Phenol-d6
Concen: 104.320 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

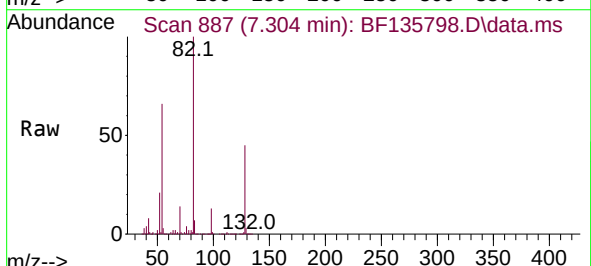
Instrument :
BNA_F
ClientSampleId :



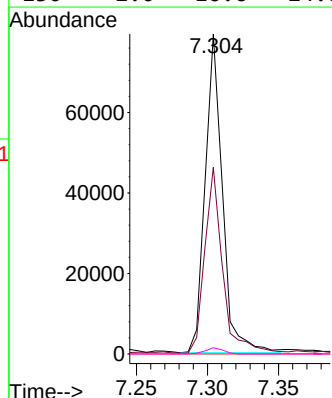
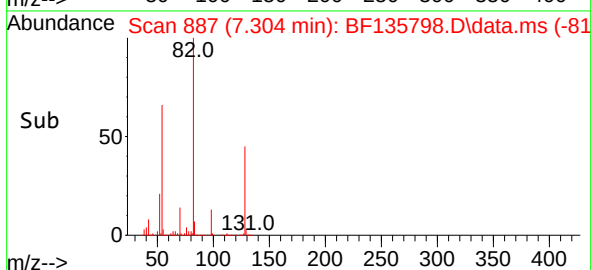
Tgt Ion: 99 Resp: 793123
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 32.8 27.2 40.8

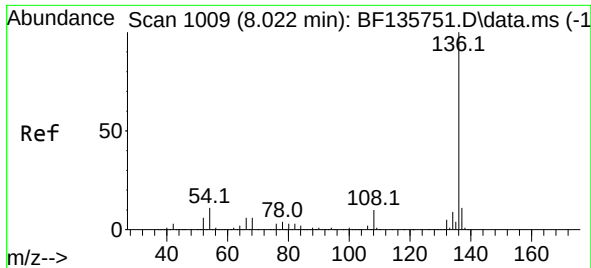


#19
n-Nitroso-di-n-propylamine
Concen: 14.294 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29



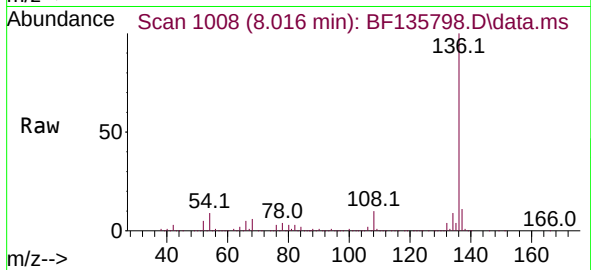
Tgt Ion: 70 Resp: 67193
Ion Ratio Lower Upper
70 100
42 58.3 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#



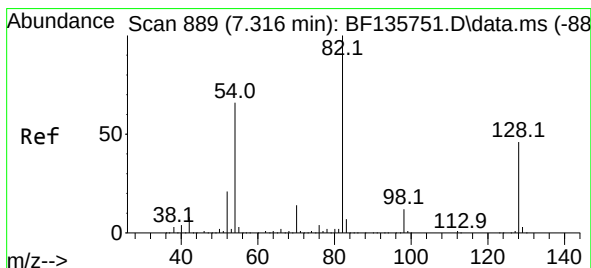
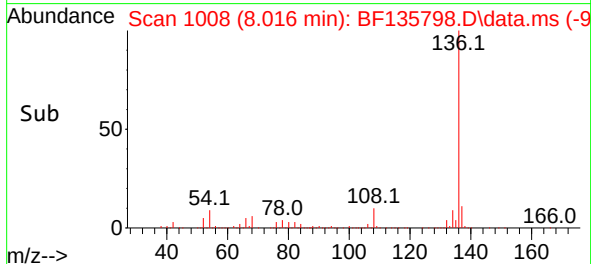
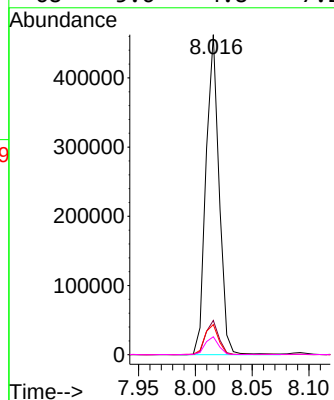


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Instrument :
BNA_F
ClientSampleId :

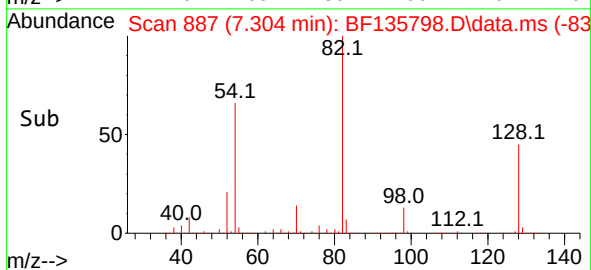
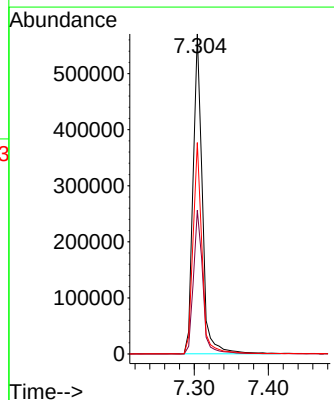
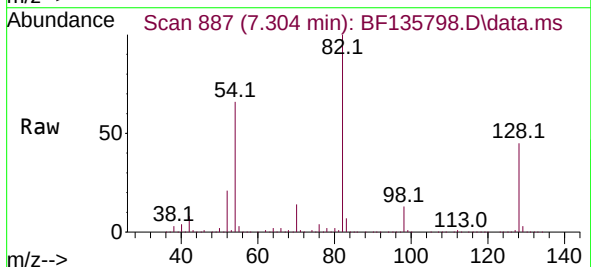


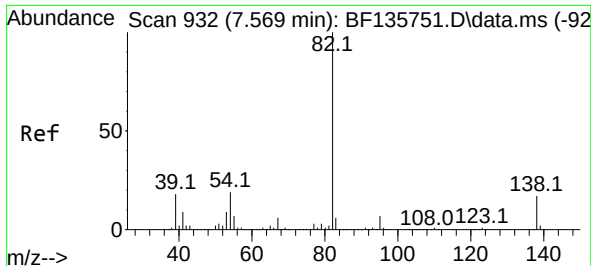
Tgt Ion:136 Resp: 371532
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.4 8.5 12.7
68 5.6 4.8 7.2



#23
Nitrobenzene-d5
Concen: 73.706 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion: 82 Resp: 497903
Ion Ratio Lower Upper
82 100
128 44.9 37.0 55.6
54 66.1 52.8 79.2

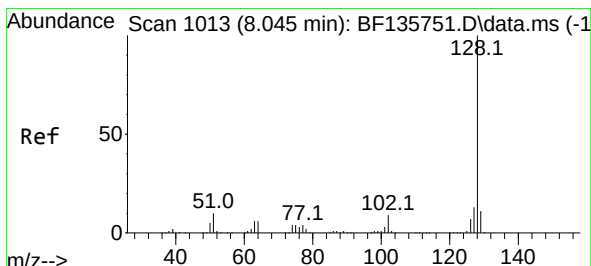
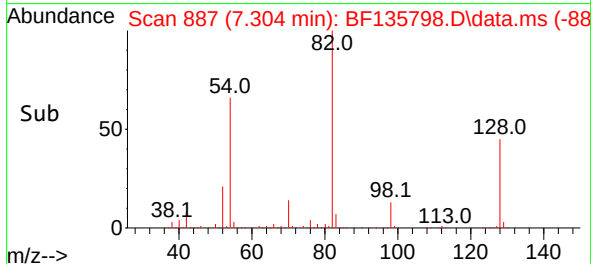
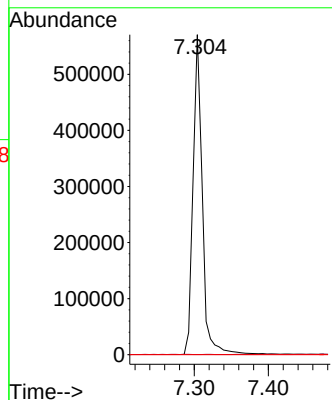
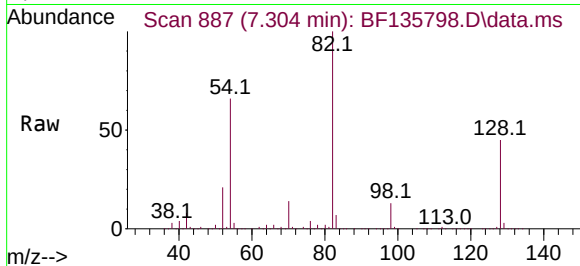




#25
Isophorone
Concen: 39.069 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

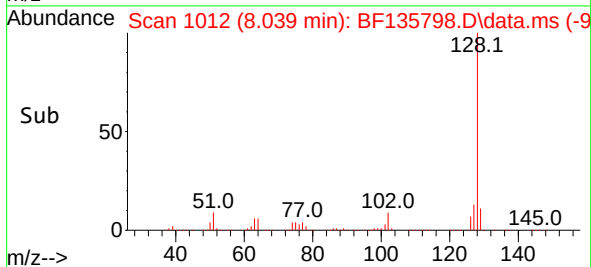
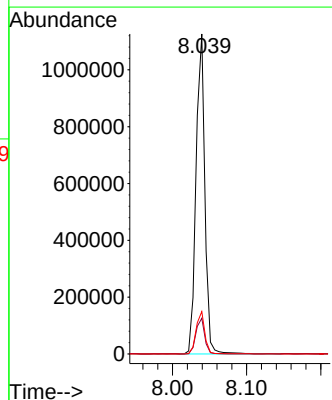
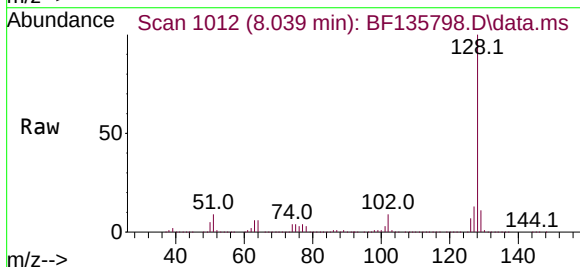
Instrument :
BNA_F
ClientSampleId :

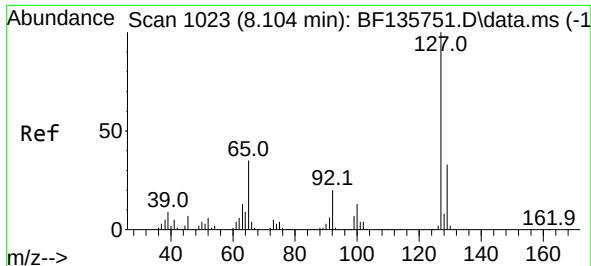
Tgt Ion: 82 Resp: 497903
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 51.149 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

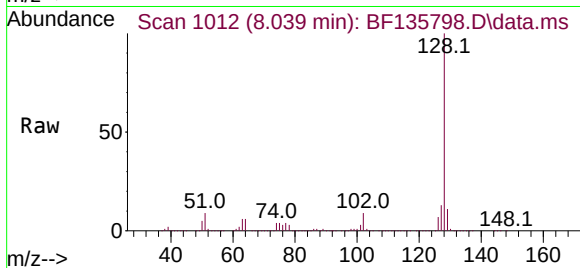
Tgt Ion:128 Resp: 926919
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.2 10.2 15.4



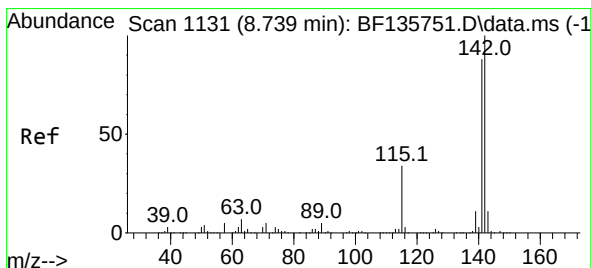
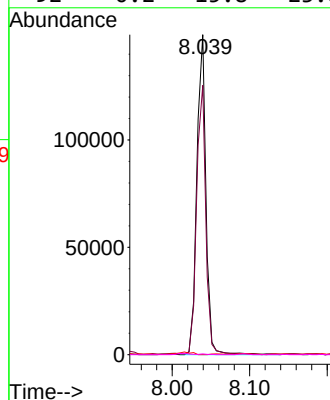
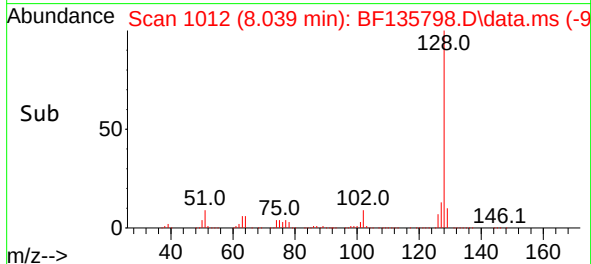


#33
4-Chloroaniline
Concen: 15.378 ng
RT: 8.039 min Scan# 1129
Delta R.T. -0.065 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Instrument :
BNA_F
ClientSampleId :

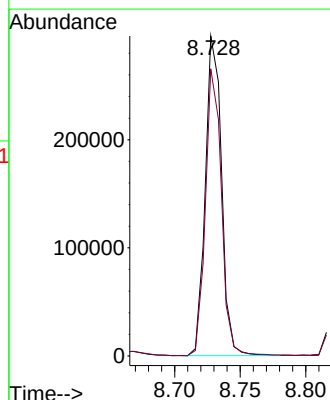
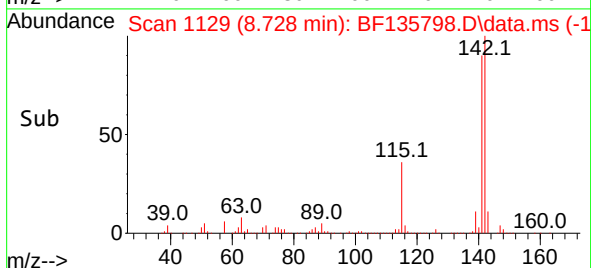
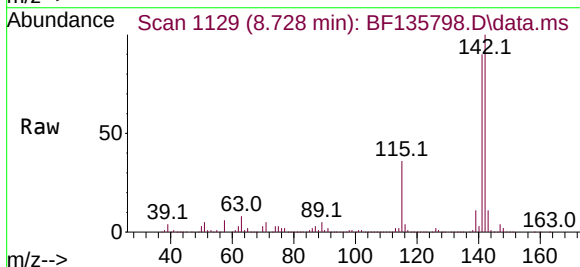


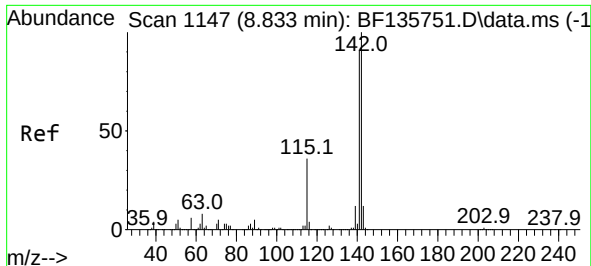
Tgt Ion:127 Resp: 121738
Ion Ratio Lower Upper
127 100
129 84.2 26.5 39.7#
65 0.0 27.9 41.9#
92 0.2 15.8 23.8#



#37
2-Methylnaphthalene
Concen: 21.409 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:142 Resp: 255615
Ion Ratio Lower Upper
142 100
141 89.8 70.6 105.8





#38

1-Methylnaphthalene

Concen: 32.256 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

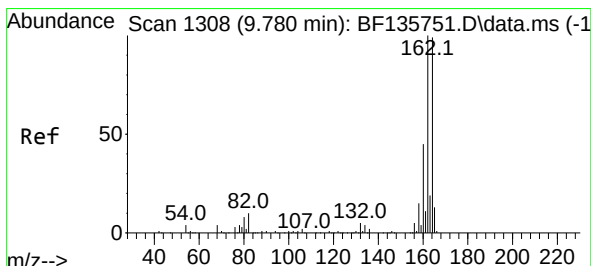
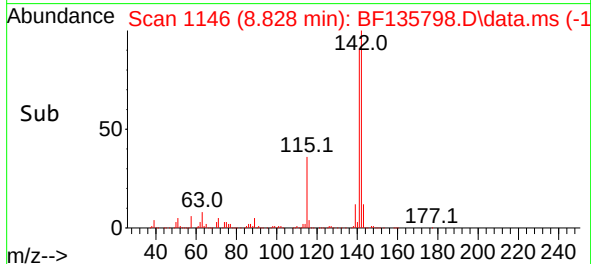
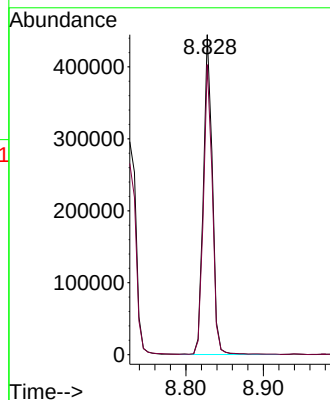
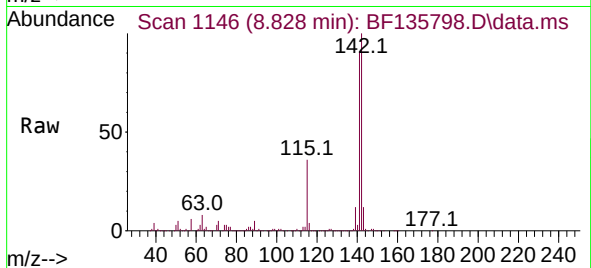
ClientSampleId :

Tgt Ion:142 Resp: 355205

Ion Ratio Lower Upper

142 100

141 90.7 72.7 109.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

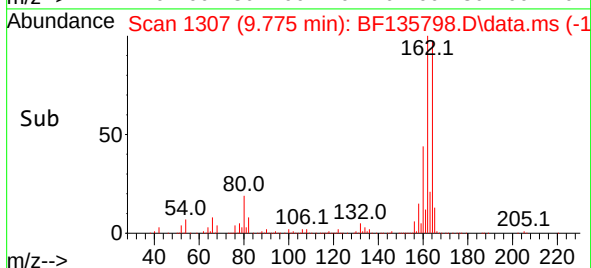
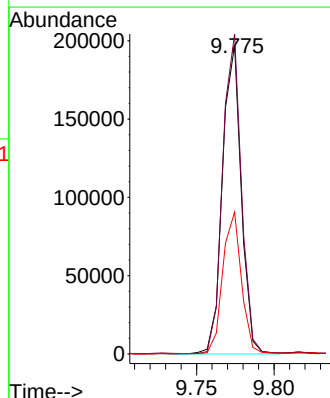
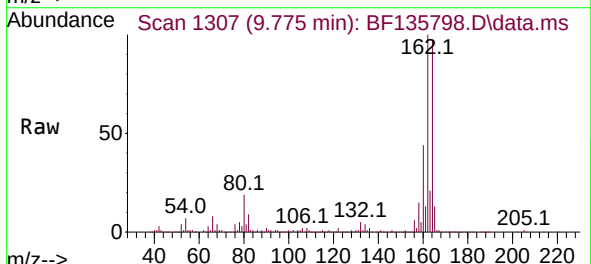
Tgt Ion:164 Resp: 166222

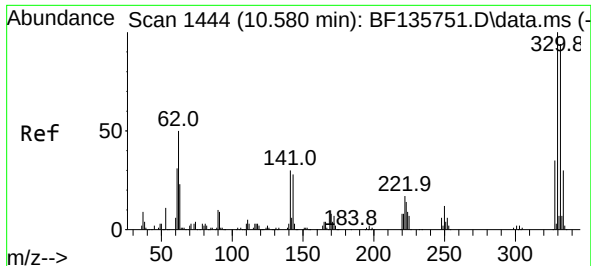
Ion Ratio Lower Upper

164 100

162 103.6 80.8 121.2

160 45.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 64.875 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

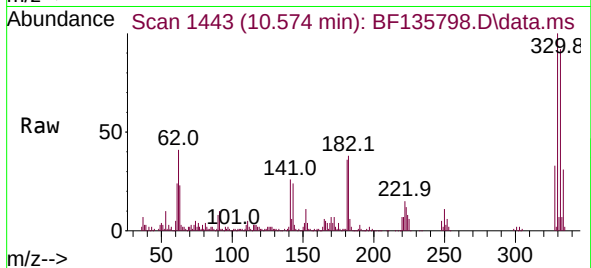
Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

ClientSampleId :



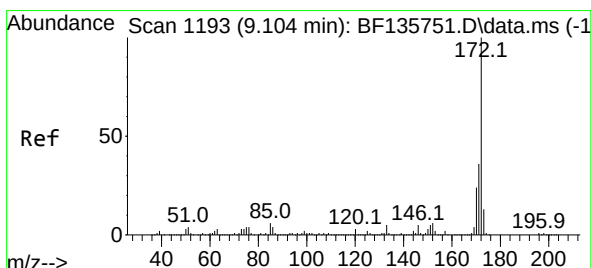
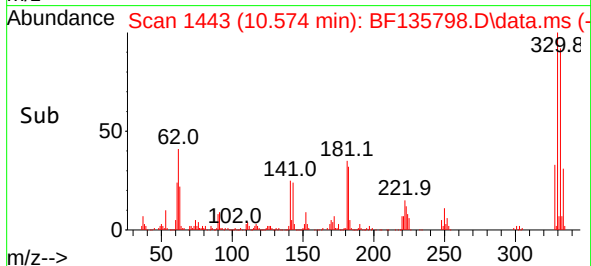
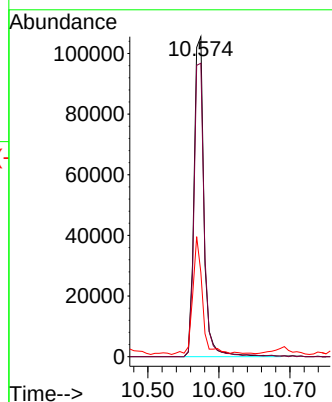
Tgt Ion:330 Resp: 103478

Ion Ratio Lower Upper

330 100

332 93.3 75.0 112.4

141 36.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 82.311 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

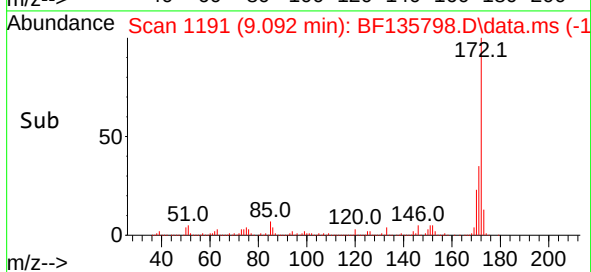
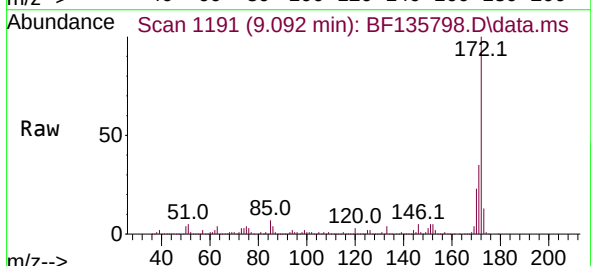
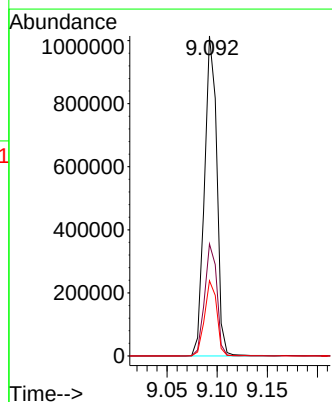
Tgt Ion:172 Resp: 875076

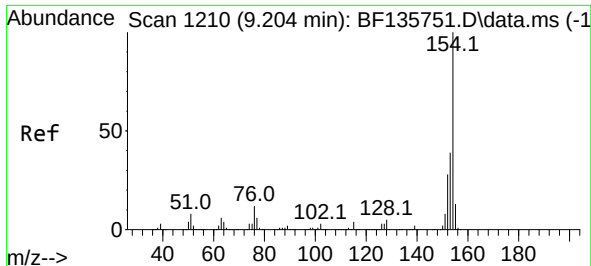
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.5 18.8 28.2

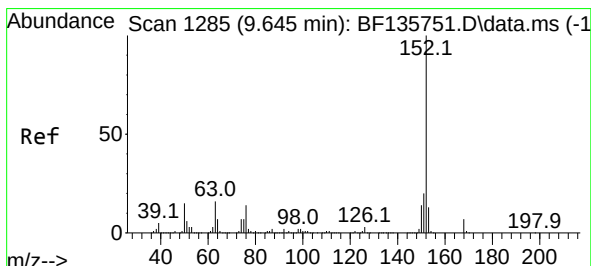
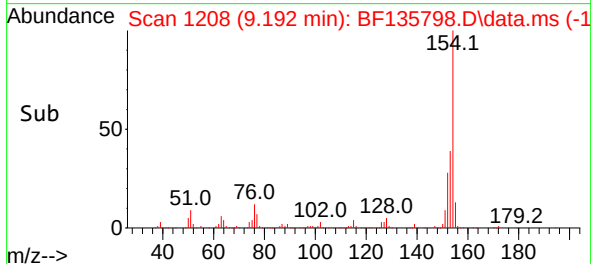
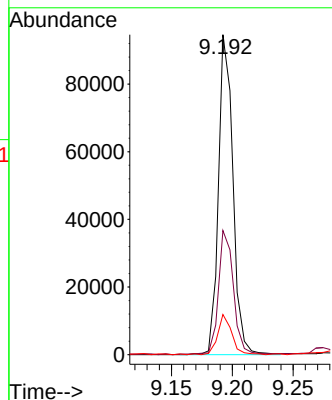
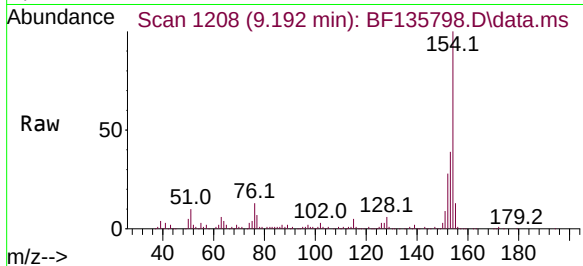




#46
1,1'-Biphenyl
Concen: 6.172 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

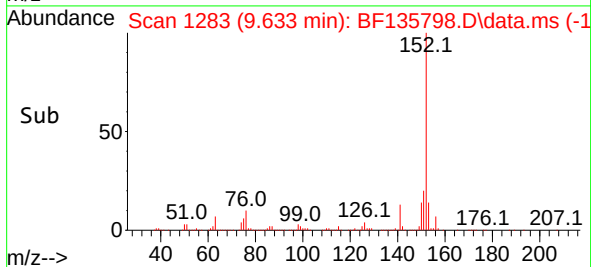
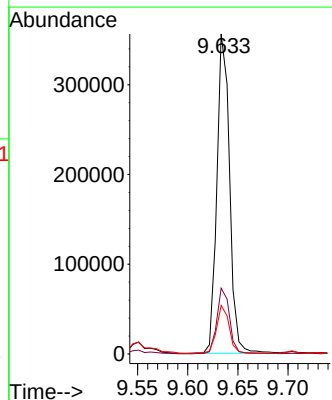
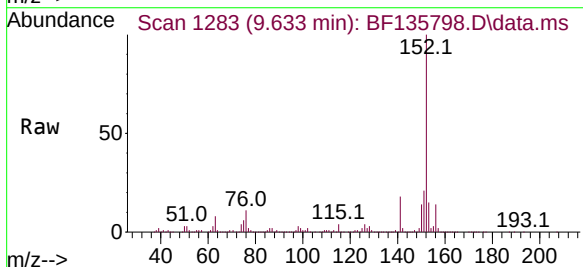
Instrument :
BNA_F
ClientSampleId :

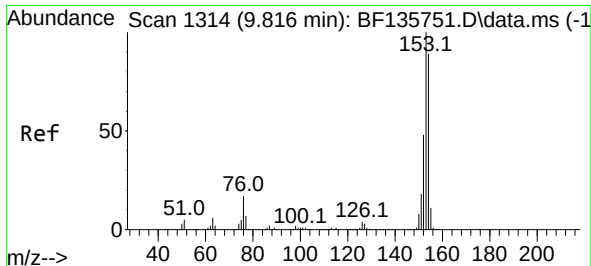
Tgt Ion:154 Resp: 78586
Ion Ratio Lower Upper
154 100
153 38.8 19.4 59.4
76 12.5 0.0 31.7



#49
Acenaphthylene
Concen: 20.699 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

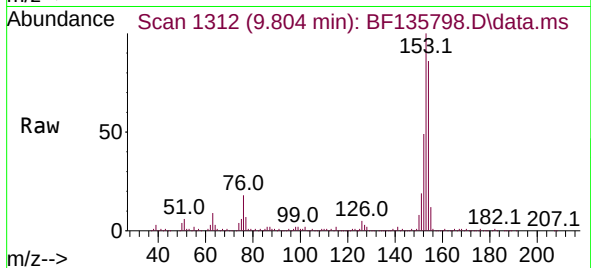
Tgt Ion:152 Resp: 314336
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 15.2 10.2 15.4



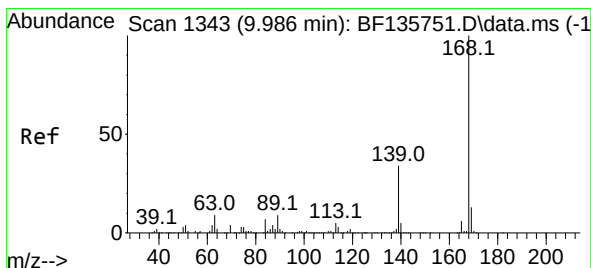
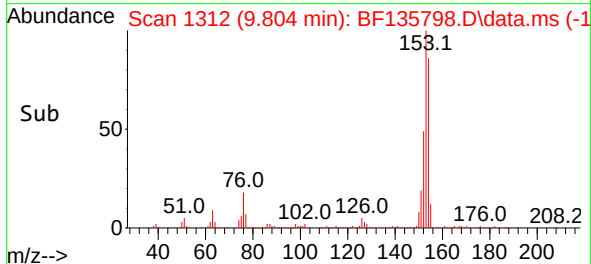
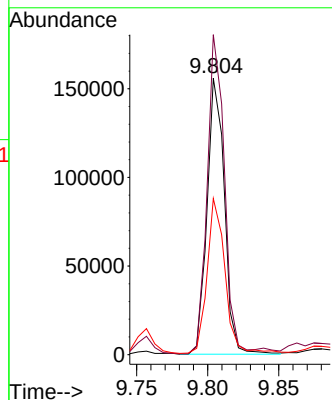


#52
Acenaphthene
Concen: 14.542 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Instrument :
BNA_F
ClientSampleId :

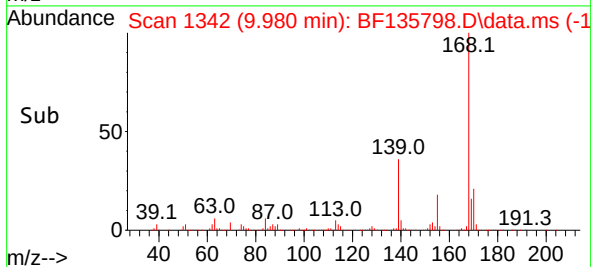
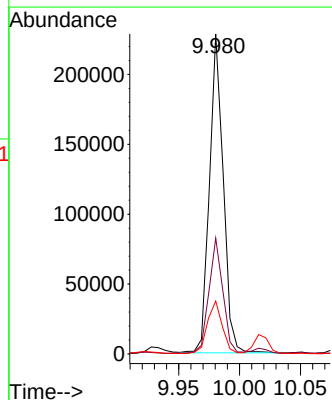
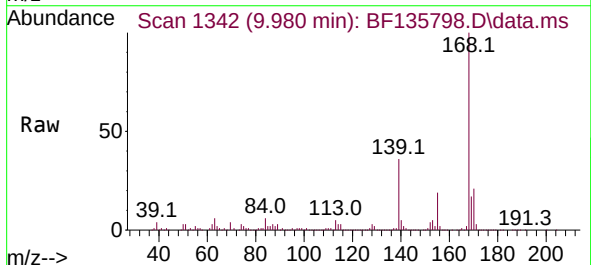


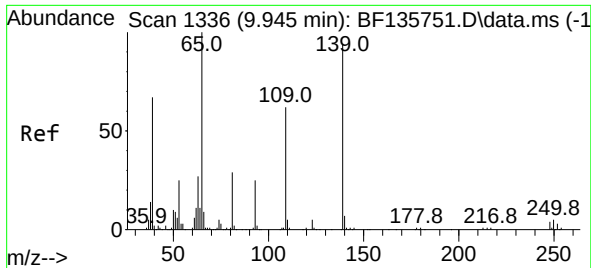
Tgt Ion:154 Resp: 132365
Ion Ratio Lower Upper
154 100
153 115.7 90.1 135.1
152 56.5 43.1 64.7



#55
Dibenzofuran
Concen: 13.104 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:168 Resp: 179969
Ion Ratio Lower Upper
168 100
139 36.2 31.0 46.4
169 16.6 10.7 16.1#

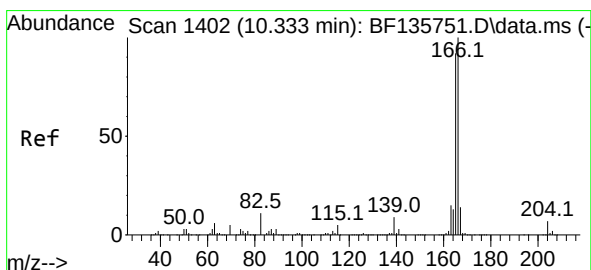
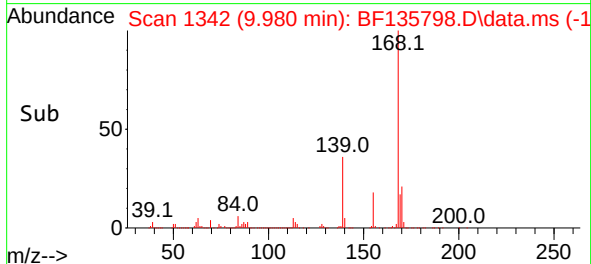
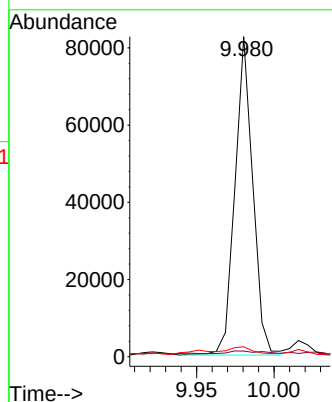
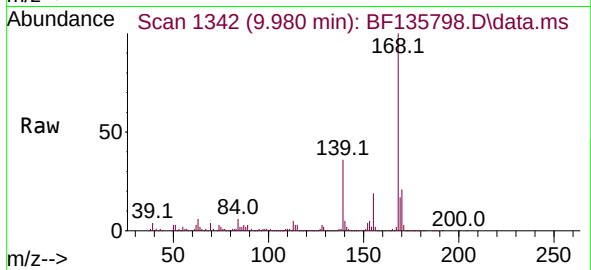




#56
4-Nitrophenol
Concen: 50.997 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

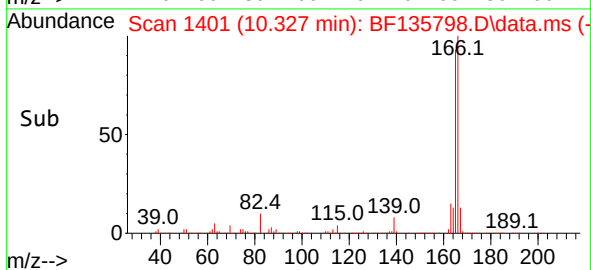
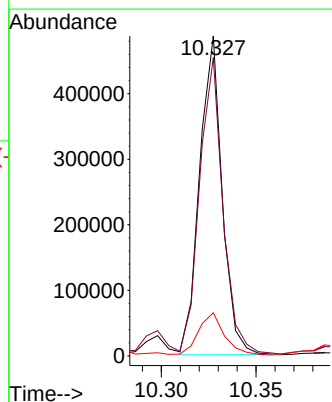
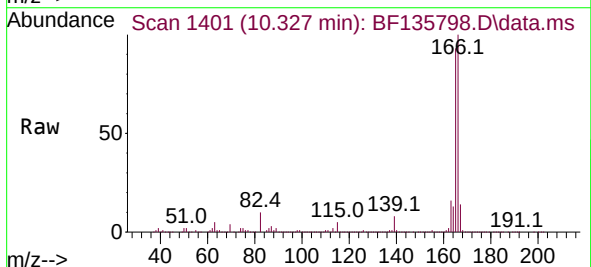
Instrument :
BNA_F
ClientSampleId :

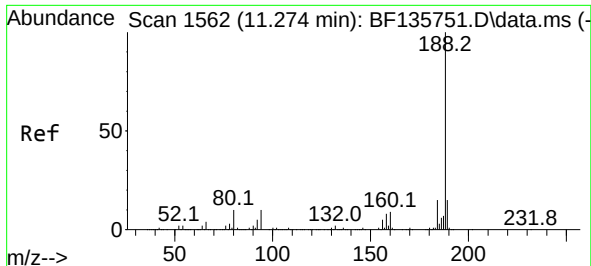
Tgt Ion:139 Resp: 66220
Ion Ratio Lower Upper
139 100
109 1.7 45.6 85.6#
65 3.1 87.5 127.5#



#58
Fluorene
Concen: 37.538 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:166 Resp: 403610
Ion Ratio Lower Upper
166 100
165 93.2 73.4 110.0
167 13.5 11.0 16.6

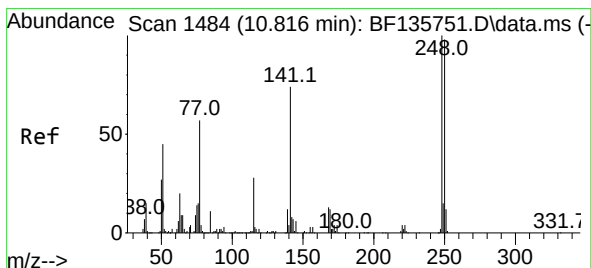
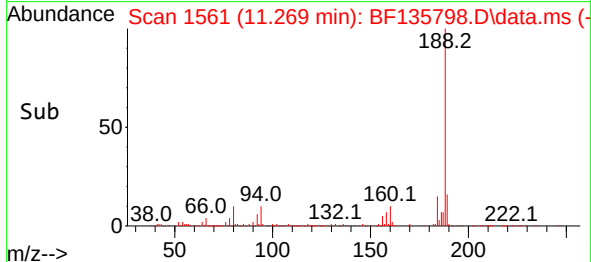
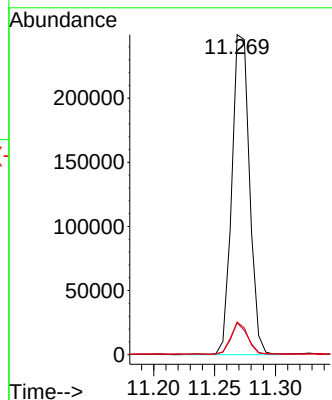
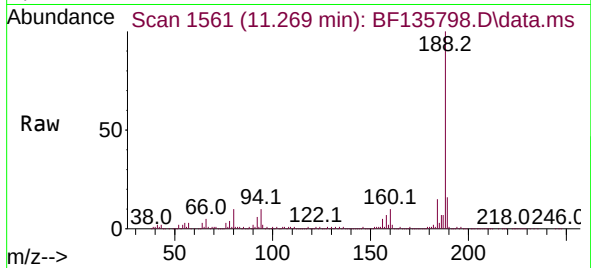




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

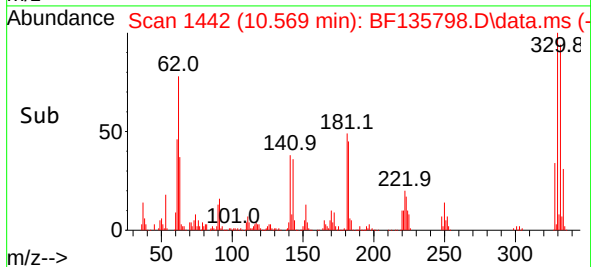
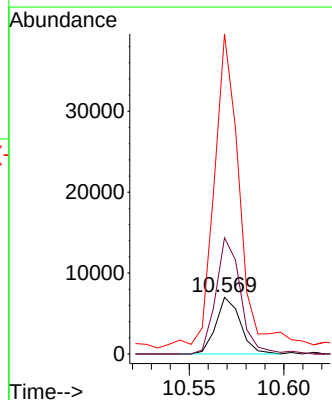
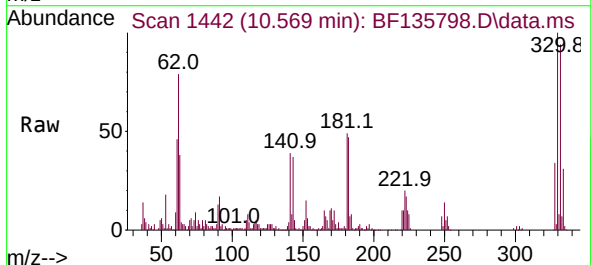
Instrument :
BNA_F
ClientSampleId :

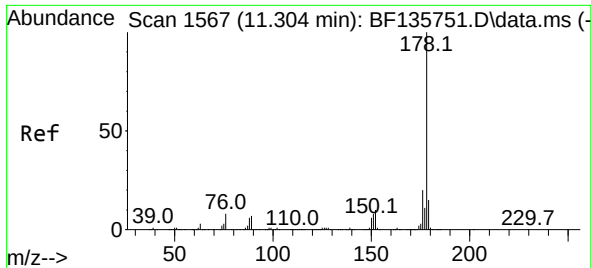
Tgt Ion:188 Resp: 253023
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 10.2 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 2.482 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.253 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:248 Resp: 6305
Ion Ratio Lower Upper
248 100
250 204.7 78.0 117.0#
141 564.2 59.0 88.6#

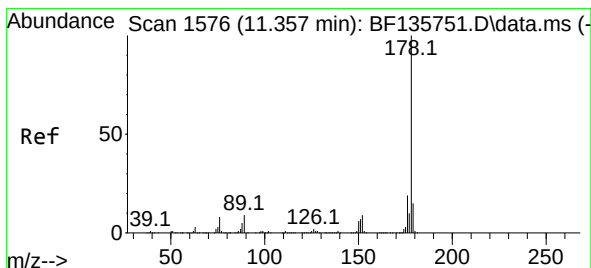
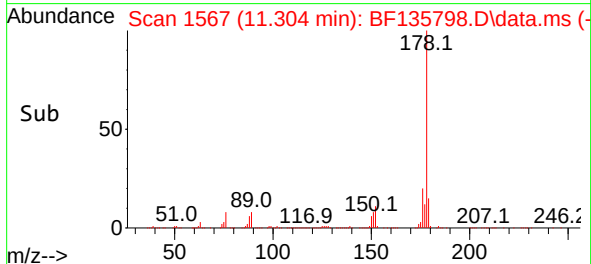
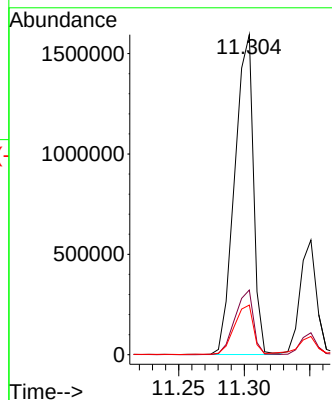
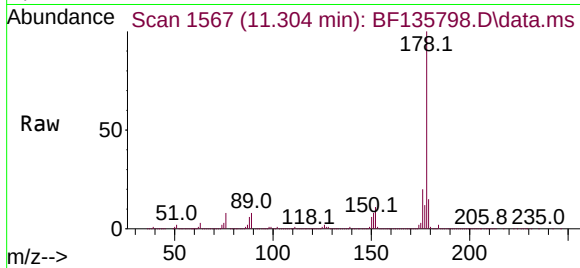




#71
Phenanthrene
Concen: 130.876 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

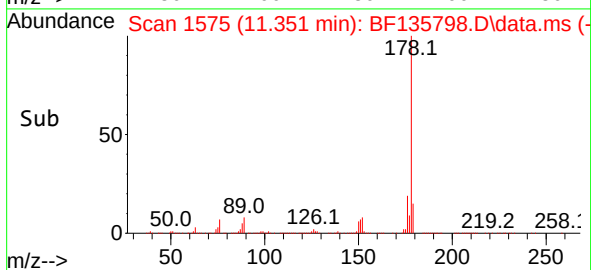
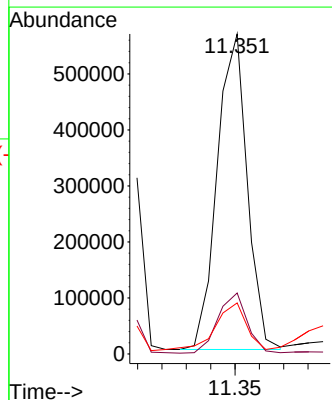
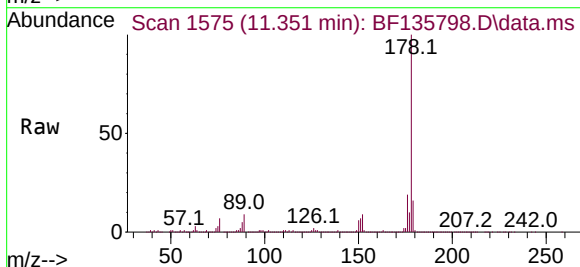
Instrument :
BNA_F
ClientSampleId :

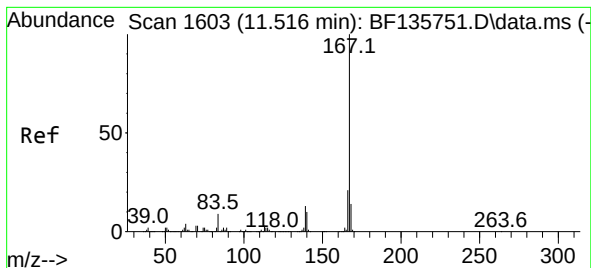
Tgt Ion:178 Resp: 1586341
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.5 12.2 18.4



#72
Anthracene
Concen: 38.447 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:178 Resp: 482902
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 16.0 12.3 18.5





#73

Carbazole

Concen: 7.418 ng

RT: 11.510 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

ClientSampleId :

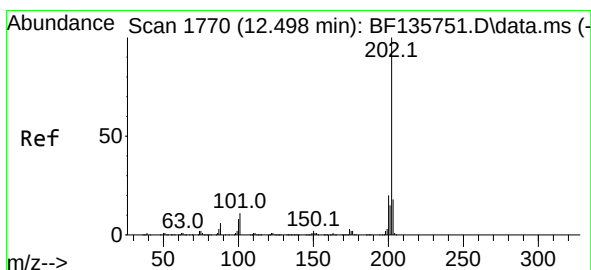
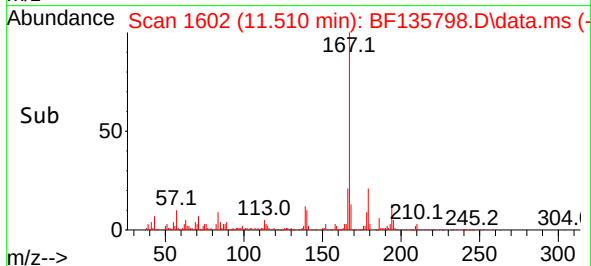
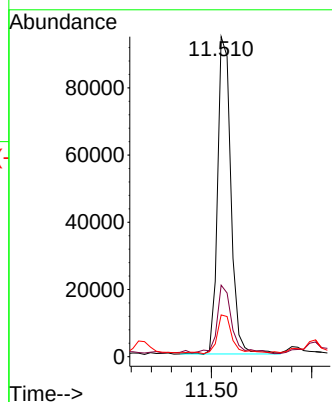
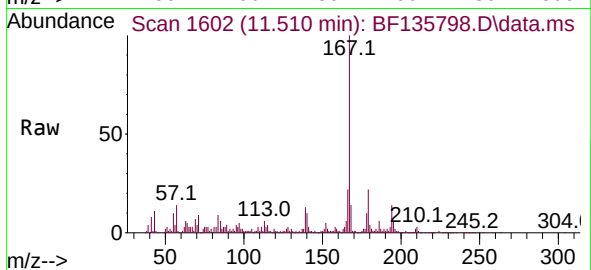
Tgt Ion:167 Resp: 86892

Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

139 13.0 10.2 15.4



#75

Fluoranthene

Concen: 113.557 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.000 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

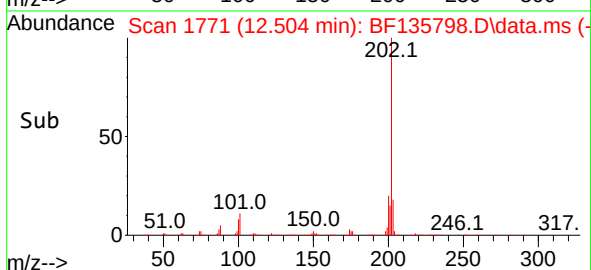
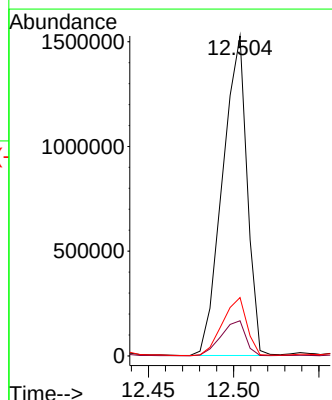
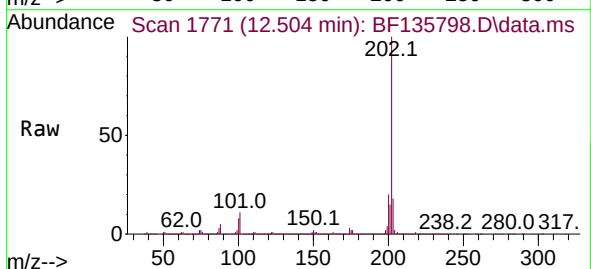
Tgt Ion:202 Resp: 1527659

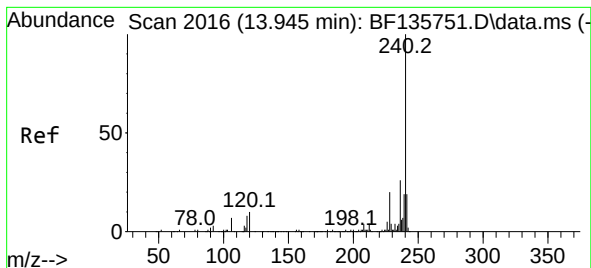
Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

203 18.3 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135798.D

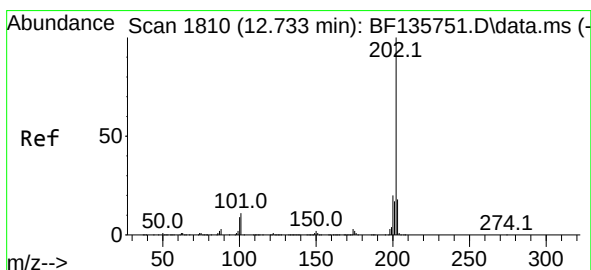
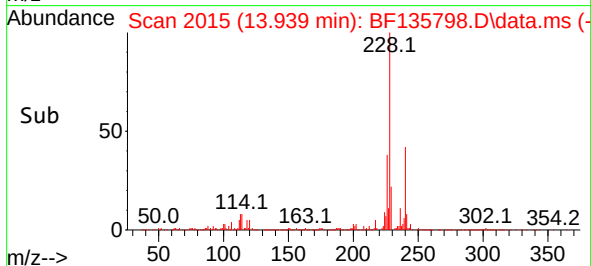
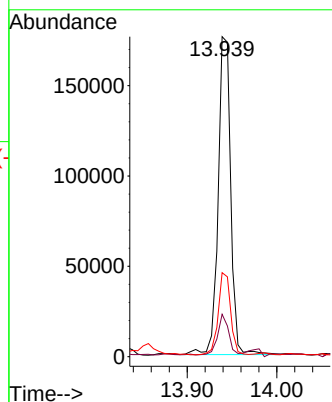
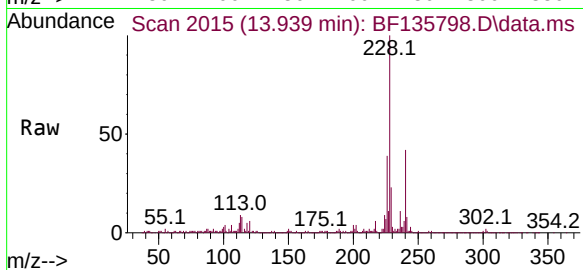
Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:240 Resp: 171574
 Ion Ratio Lower Upper
 240 100
 120 13.2 8.2 12.2#
 236 26.2 21.2 31.8



#78

Pyrene

Concen: 125.350 ng

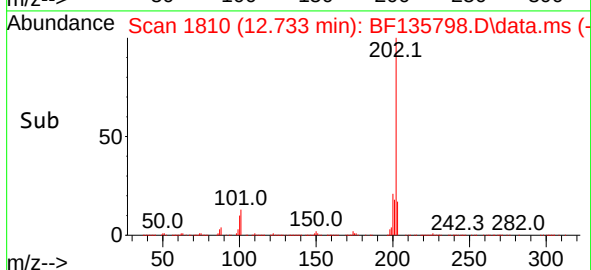
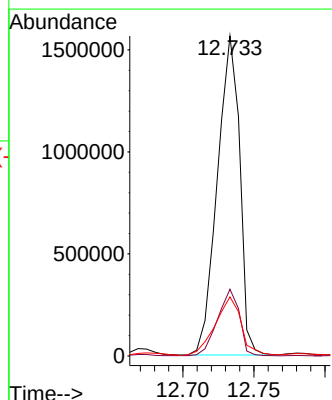
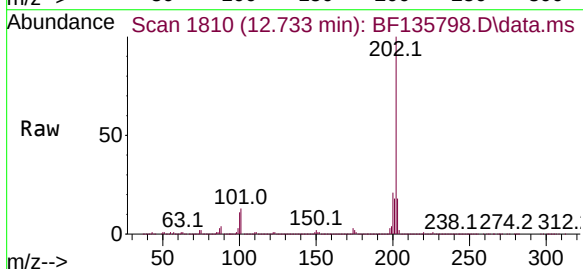
RT: 12.733 min Scan# 1810

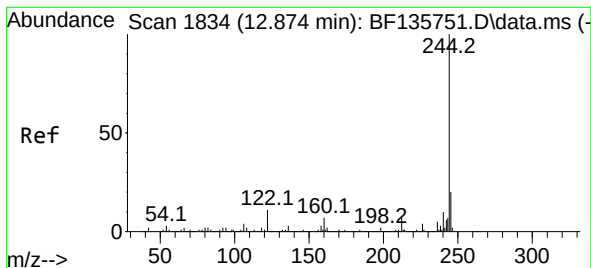
Delta R.T. -0.000 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Tgt Ion:202 Resp: 1709038
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.1 24.1
 203 18.5 14.2 21.2





#79

Terphenyl-d14

Concen: 74.255 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

ClientSampleId :

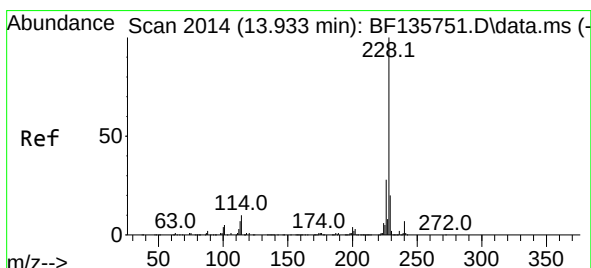
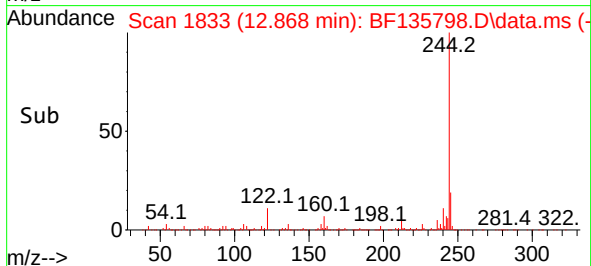
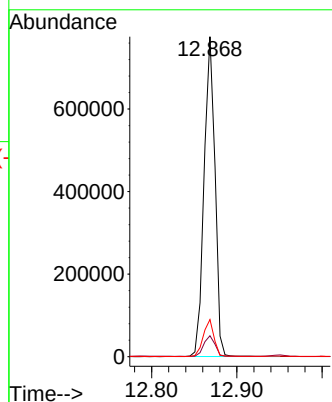
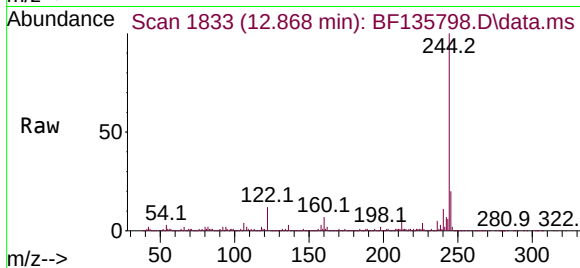
Tgt Ion:244 Resp: 687947

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.6 9.0 13.6



#81

Benzo(a)anthracene

Concen: 77.654 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

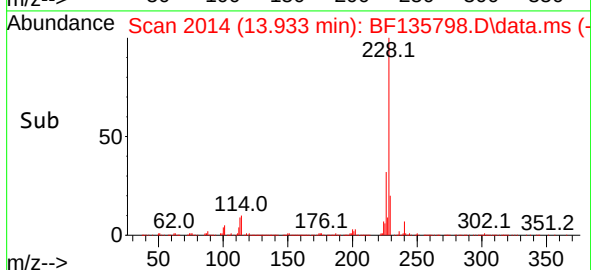
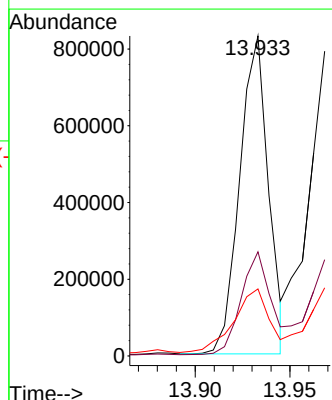
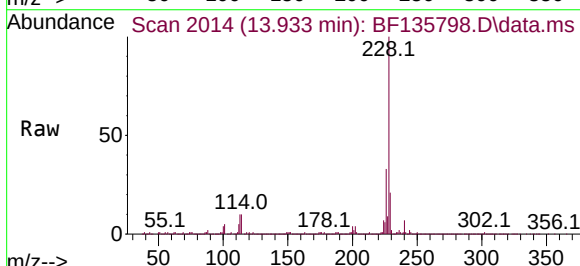
Tgt Ion:228 Resp: 875130

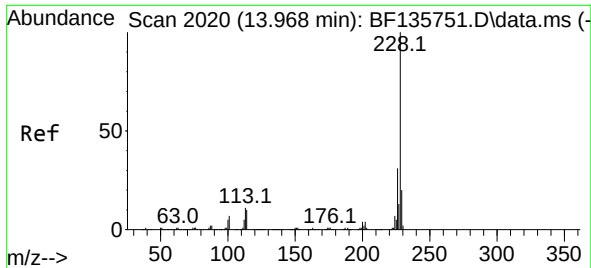
Ion Ratio Lower Upper

228 100

226 32.6 22.2 33.2

229 20.9 16.1 24.1

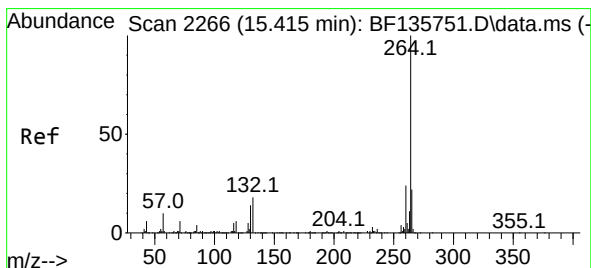
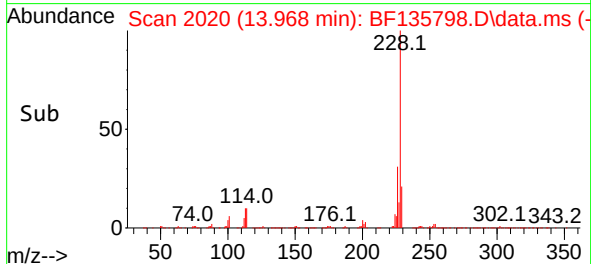
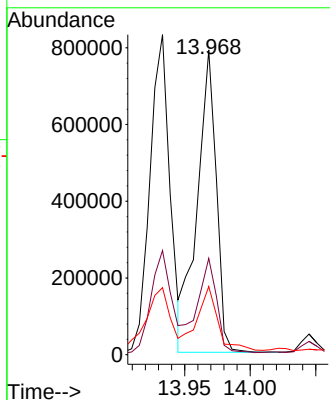
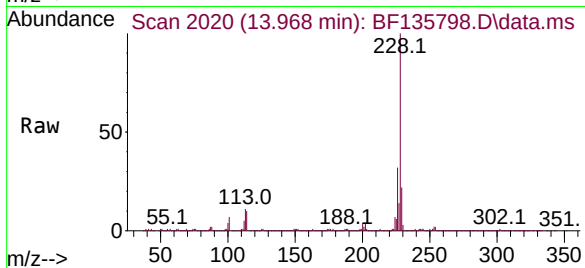




#83
Chrysene
Concen: 73.428 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

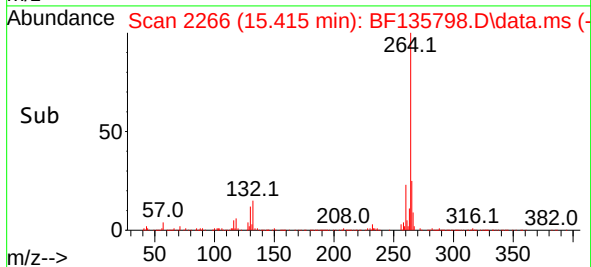
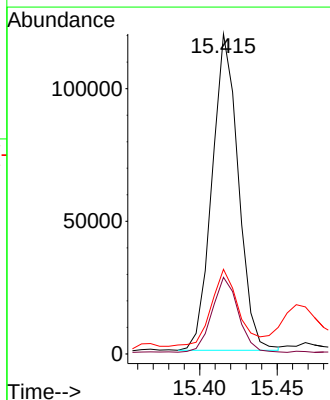
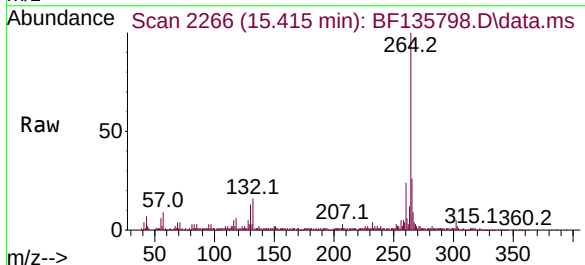
Instrument :
BNA_F
ClientSampleId :

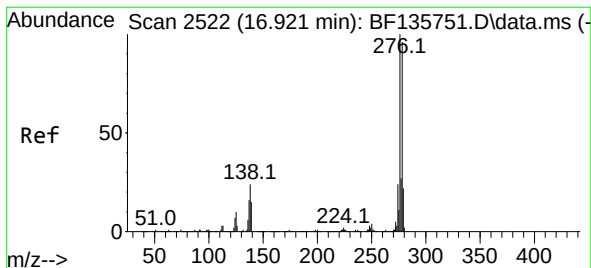
Tgt Ion:228 Resp: 801504
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 22.4 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:264 Resp: 140554
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 26.4 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.067 ng

RT: 16.915 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

Instrument :

BNA_F

ClientSampleId :

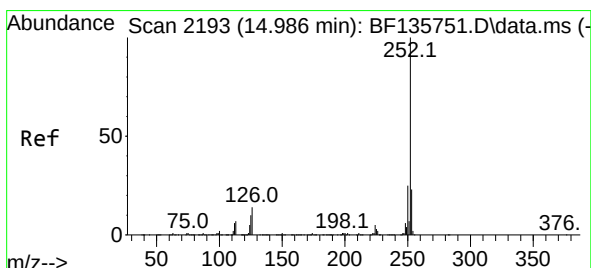
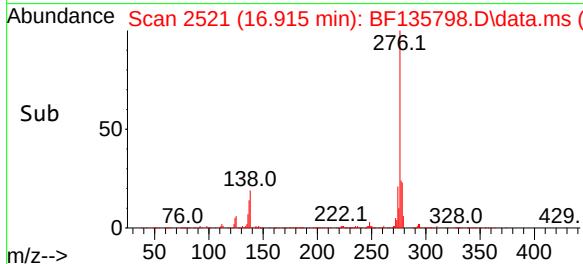
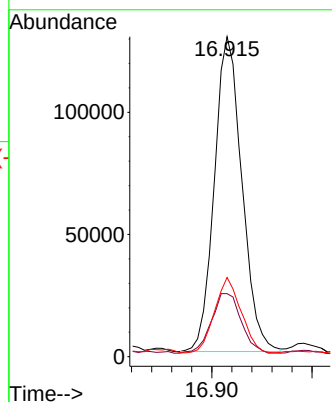
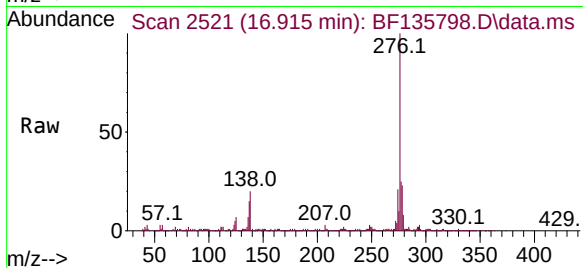
Tgt Ion:276 Resp: 245582

Ion Ratio Lower Upper

276 100

138 20.5 19.8 29.6

277 23.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 111.151 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135798.D

Acq: 17 Oct 2023 02:29

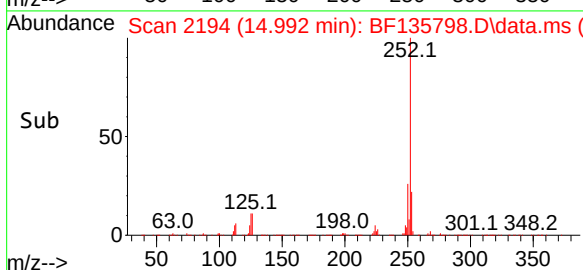
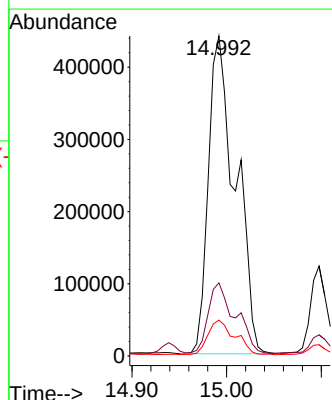
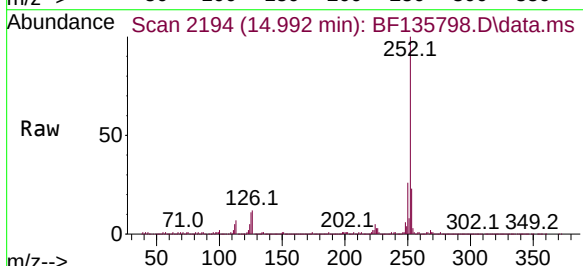
Tgt Ion:252 Resp: 874350

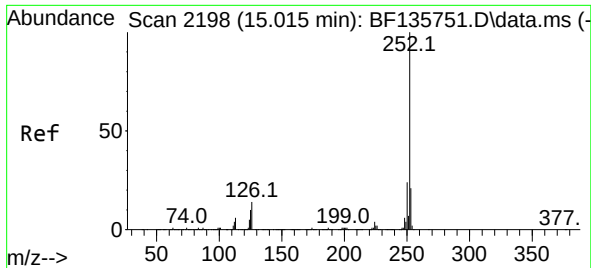
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

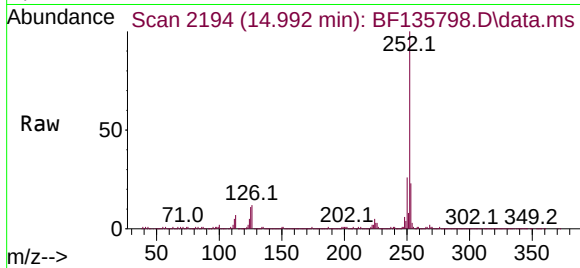
125 11.2 8.2 12.2



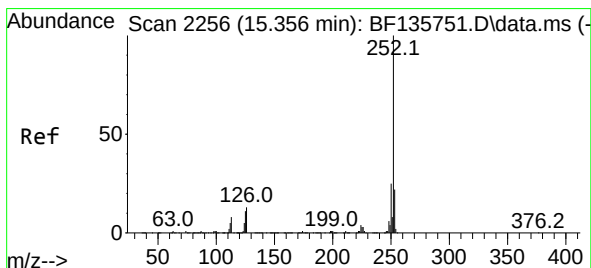
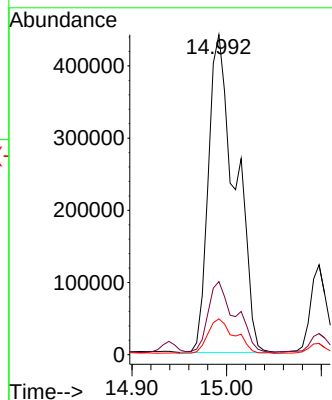
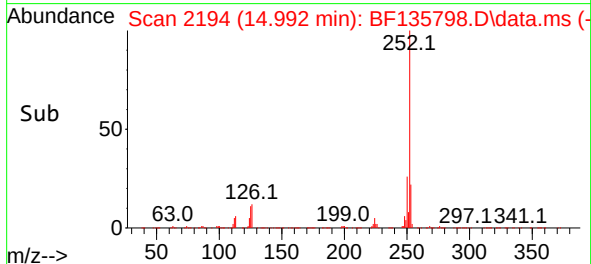


#89
Benzo(k)fluoranthene
Concen: 114.488 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.030 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Instrument :
BNA_F
ClientSampleId :

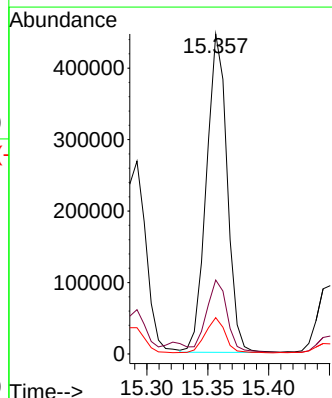
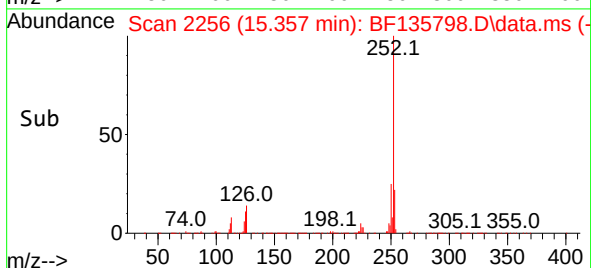
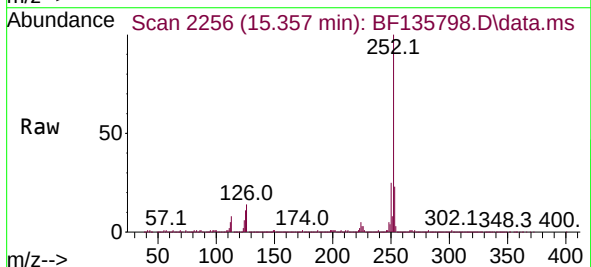


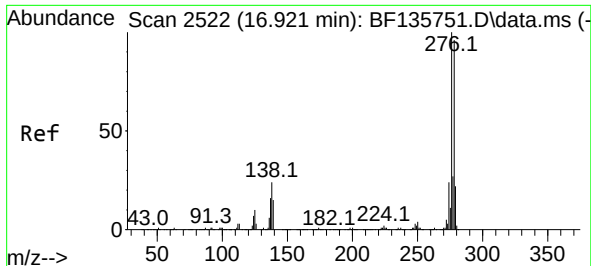
Tgt Ion:252 Resp: 874350
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 71.315 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:252 Resp: 527518
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 11.3 8.8 13.2

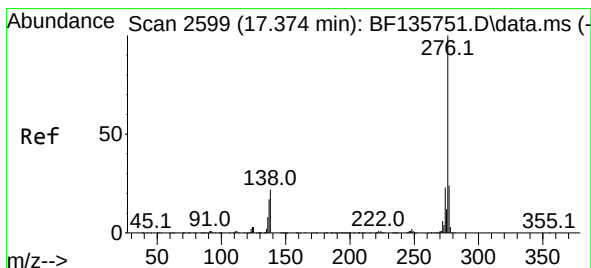
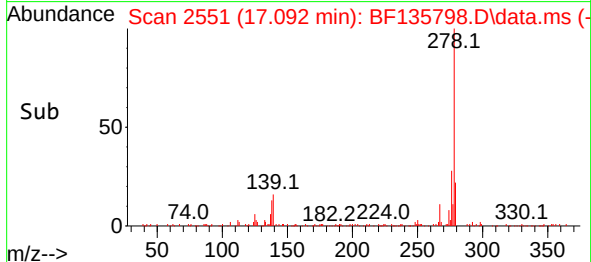
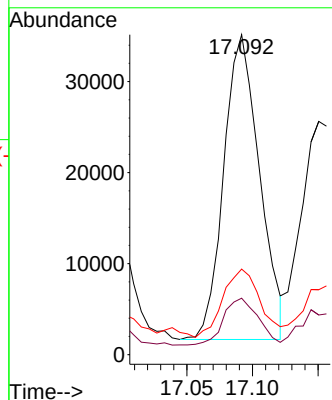
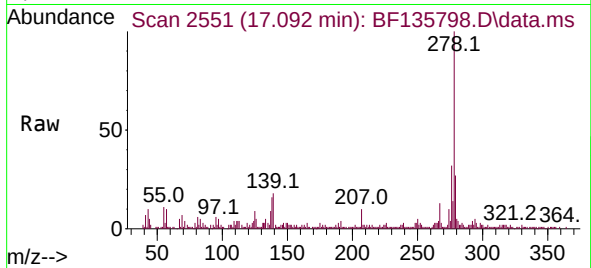




#91
Dibenzo(a,h)anthracene
Concen: 10.119 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.153 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 63527
Ion Ratio Lower Upper
278 100
139 17.7 12.5 18.7
279 26.7 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 36.598 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF135798.D
Acq: 17 Oct 2023 02:29

Tgt Ion:276 Resp: 236020
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.2
138 19.7 17.3 25.9

