

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135862.D
 Acq On : 18 Oct 2023 22:58
 Operator : CG\JU
 Sample : 04882-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 02:10:07 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)

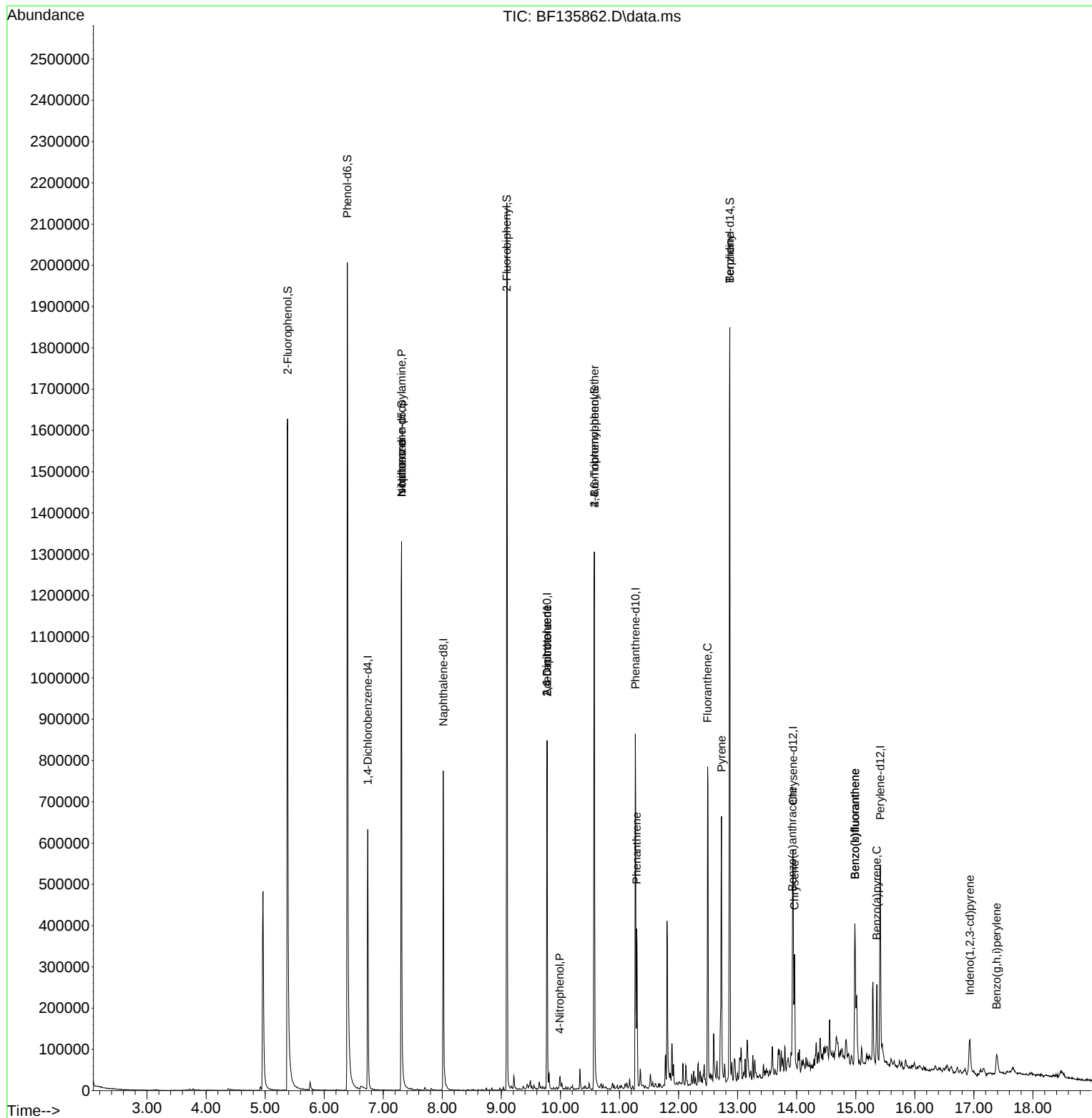
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	96760	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	340079	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	163749	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	305022	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	162587	20.000	ng	-0.01
86) Perylene-d12	15.415	264	227008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	561518	93.301	ng	0.00
7) Phenol-d6	6.392	99	722636	96.233	ng	0.00
23) Nitrobenzene-d5	7.310	82	425453	68.806	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	165745	105.482	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	684766	65.383	ng	-0.01
79) Terphenyl-d14	12.868	244	647680	73.773	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	56866	12.248	ng	# 71
25) Isophorone	7.310	82	425453	36.472	ng	# 66
51) 2,6-Dinitrotoluene	9.774	165	21202	8.919	ng	# 16
56) 4-Nitrophenol	9.986	139	4567	8.678	ng	# 7
57) 2,4-Dinitrotoluene	9.774	165	21202	7.011	ng	# 24
67) 4-Bromophenyl-phenylether	10.574	248	10436	3.408	ng	# 1
71) Phenanthrene	11.292	178	152381	10.428	ng	98
75) Fluoranthene	12.492	202	325286	20.058	ng	98
77) Benzidine	12.868	184	8214	2.315	ng	# 90
78) Pyrene	12.727	202	258960	20.043	ng	100
81) Benzo(a)anthracene	13.927	228	84717	7.933	ng	98
83) Chrysene	13.962	228	129777	12.546	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	49607	4.011	ng	# 93
88) Benzo(b)fluoranthene	14.986	252	254857	20.060	ng	98
89) Benzo(k)fluoranthene	14.986	252	254857	20.662	ng	99
90) Benzo(a)pyrene	15.357	252	98921	8.280	ng	99
92) Benzo(g,h,i)perylene	17.386	276	45418	4.360	ng	# 94

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

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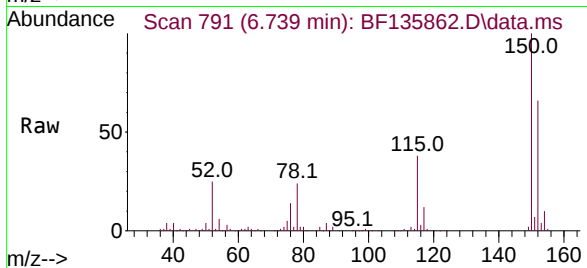
Quant Time: Oct 19 02:10:07 2023
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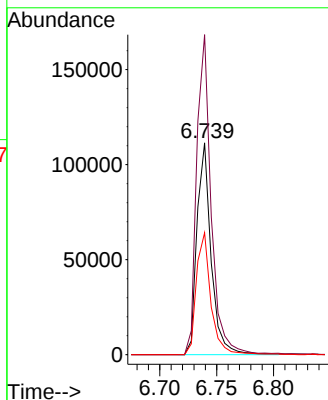
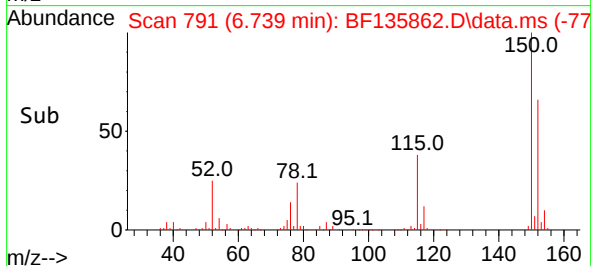


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

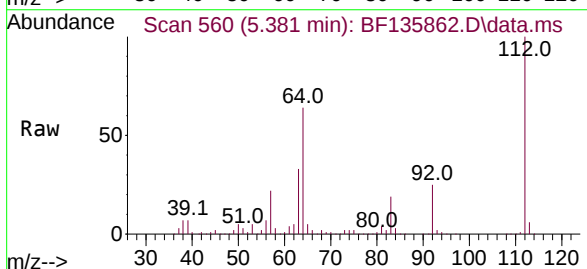
Instrument :
BNA_F
ClientSampleId :



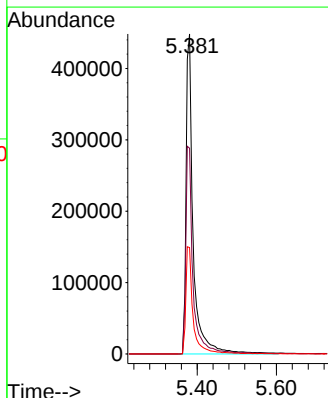
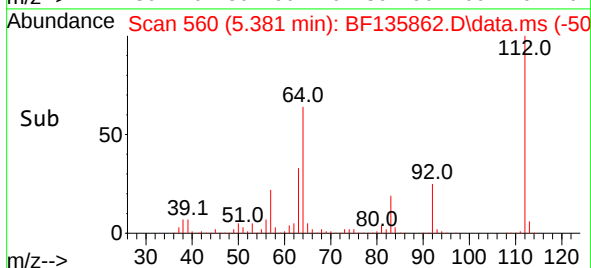
Tgt Ion:152 Resp: 96760
Ion Ratio Lower Upper
152 100
150 151.0 124.5 186.7
115 57.5 49.0 73.4

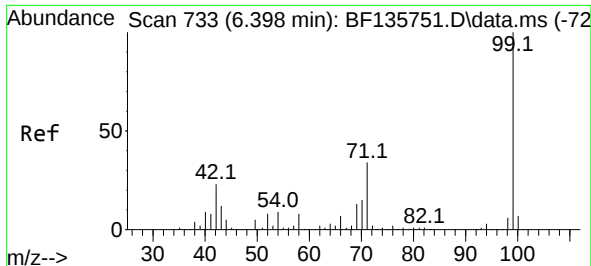


#5
2-Fluorophenol
Concen: 93.301 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



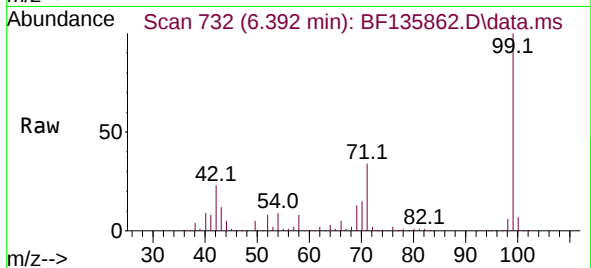
Tgt Ion:112 Resp: 561518
Ion Ratio Lower Upper
112 100
64 64.3 51.2 76.8
63 33.2 26.1 39.1



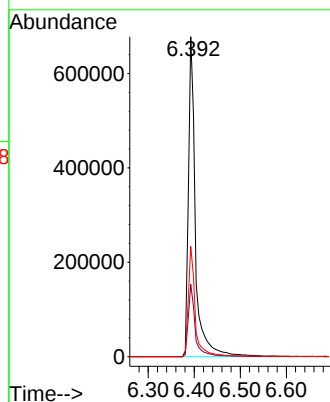
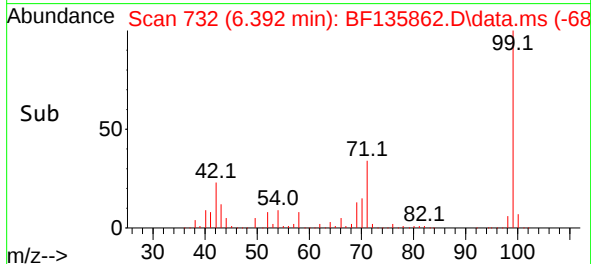


#7
Phenol-d6
Concen: 96.233 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

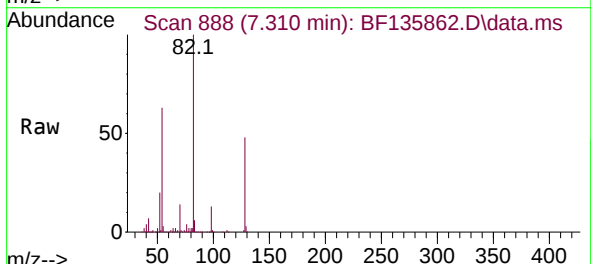
Instrument :
BNA_F
ClientSampleId :



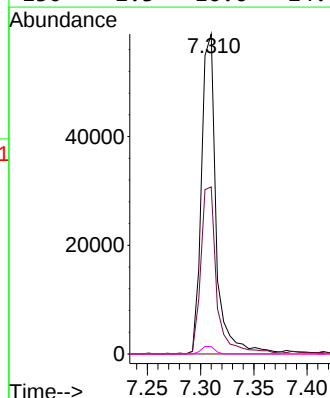
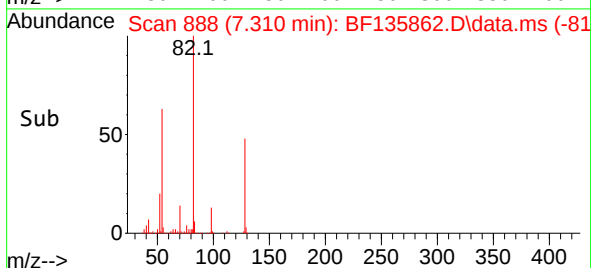
Tgt Ion: 99 Resp: 722636
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 34.4 27.2 40.8

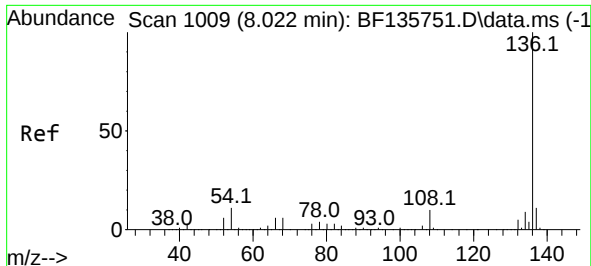


#19
n-Nitroso-di-n-propylamine
Concen: 12.248 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



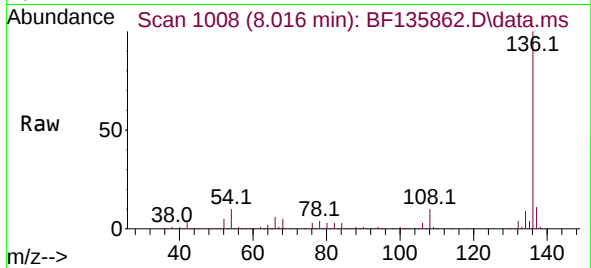
Tgt Ion: 70 Resp: 56866
Ion Ratio Lower Upper
70 100
42 52.2 59.8 89.6#
101 0.0 7.4 11.2#
130 2.3 16.6 24.8#



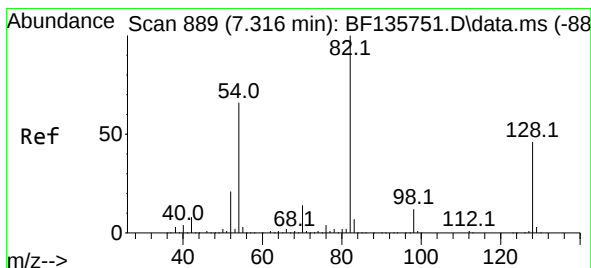
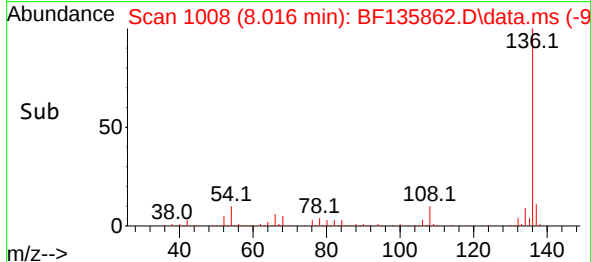
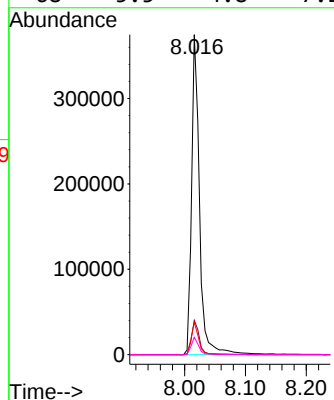


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Instrument :
BNA_F
ClientSampleId :

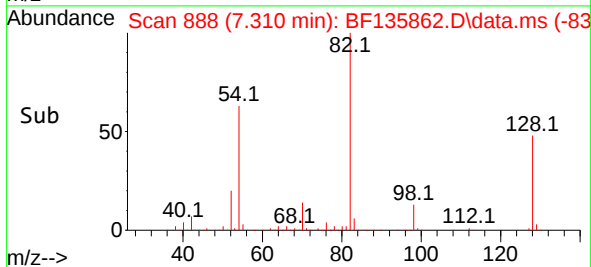
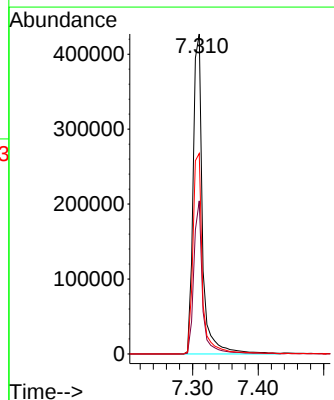
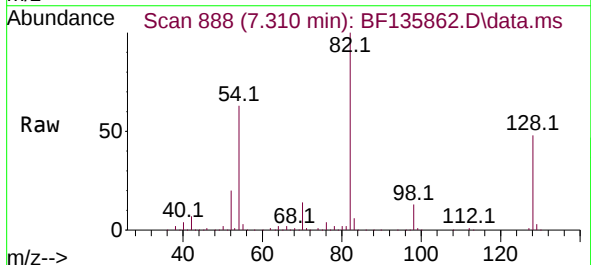


Tgt Ion:136 Resp: 340079
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.2 8.5 12.7
68 5.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 68.806 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Tgt Ion: 82 Resp: 425453
Ion Ratio Lower Upper
82 100
128 47.8 37.0 55.6
54 62.6 52.8 79.2

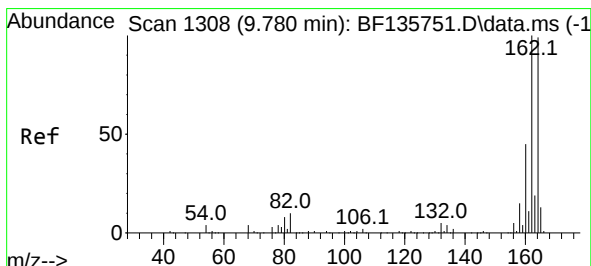
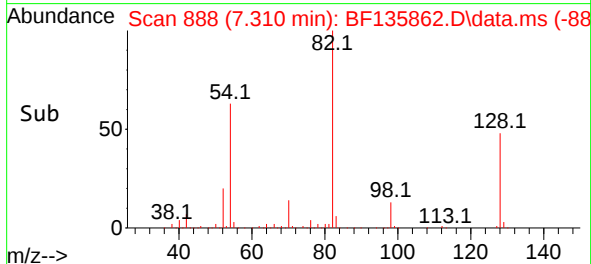
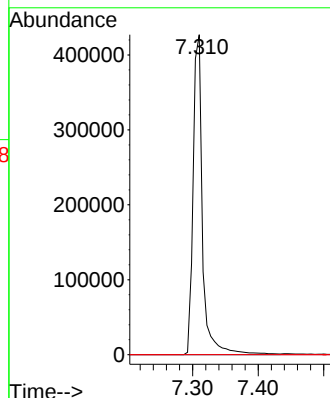
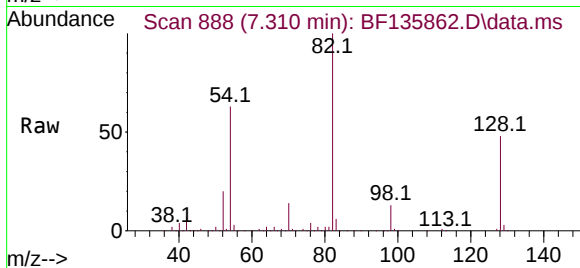




#25
Isophorone
Concen: 36.472 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

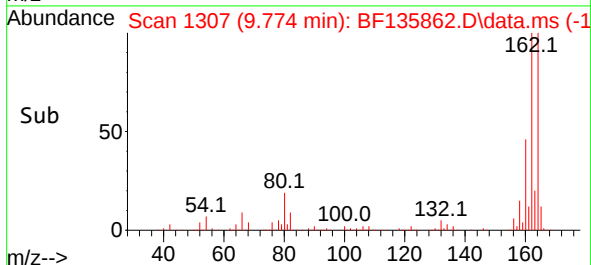
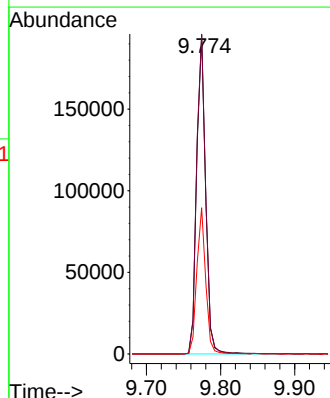
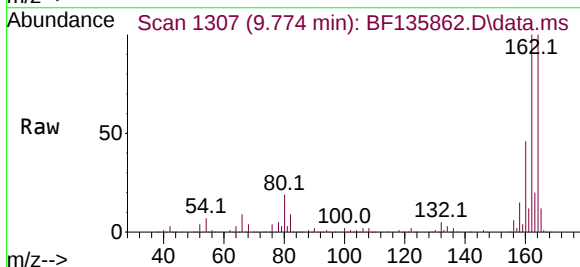
Instrument :
BNA_F
ClientSampleId :

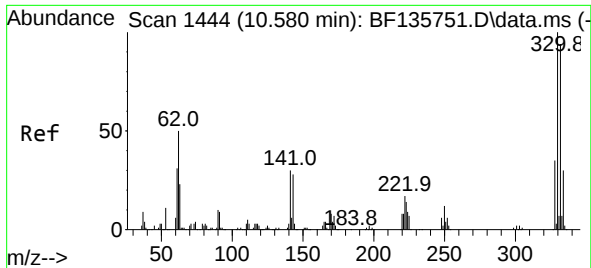
Tgt Ion: 82 Resp: 425453
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Tgt Ion:164 Resp: 163749
Ion Ratio Lower Upper
164 100
162 100.3 80.8 121.2
160 45.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 105.482 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

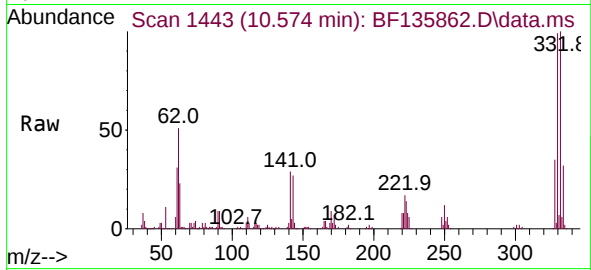
Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :



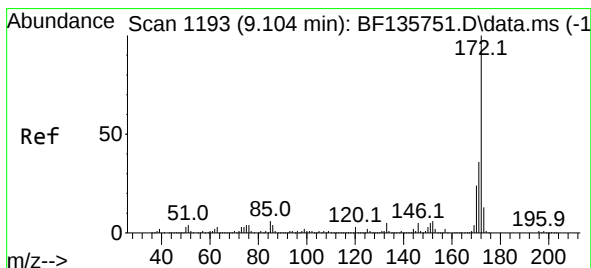
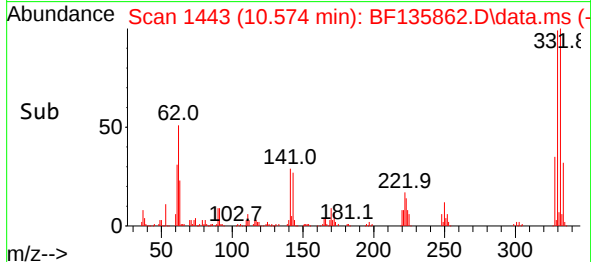
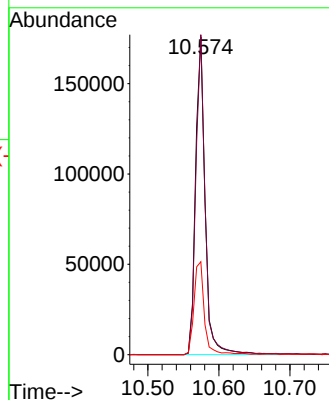
Tgt Ion:330 Resp: 165745

Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.4

141 32.0 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 65.383 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

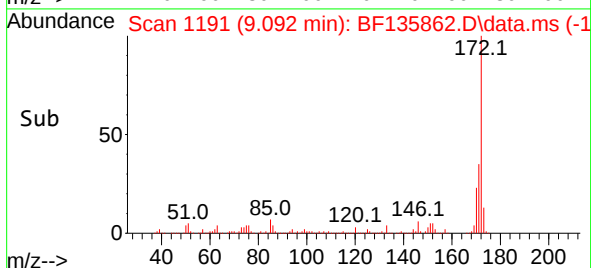
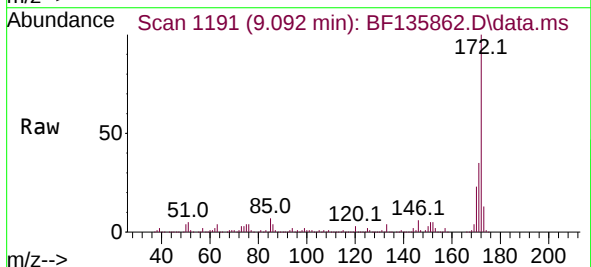
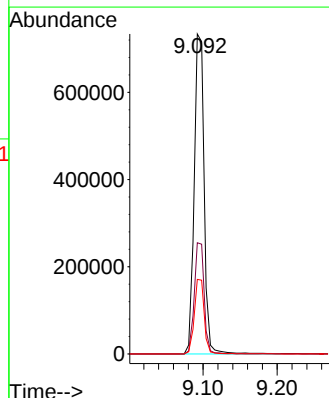
Tgt Ion:172 Resp: 684766

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.3 18.8 28.2

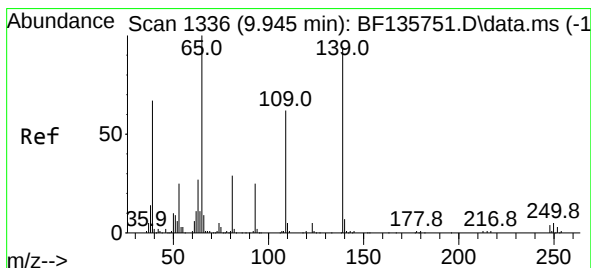
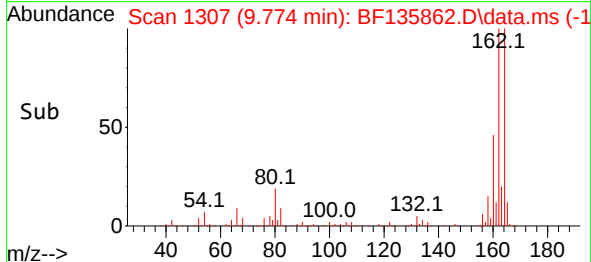
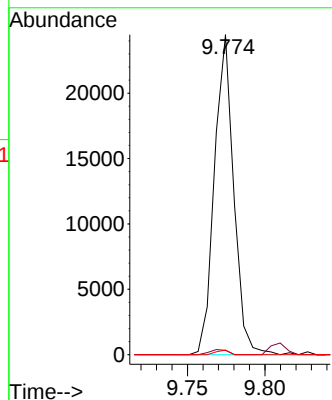
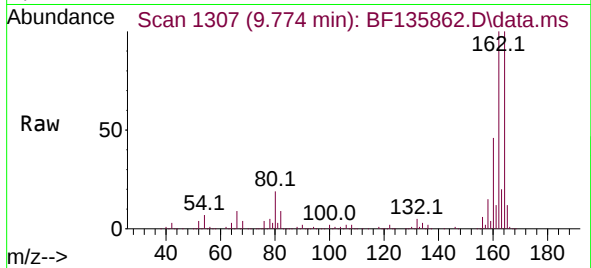




#51
2,6-Dinitrotoluene
Concen: 8.919 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

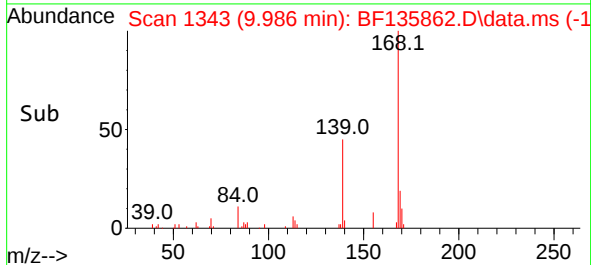
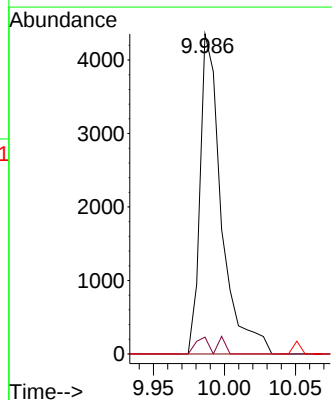
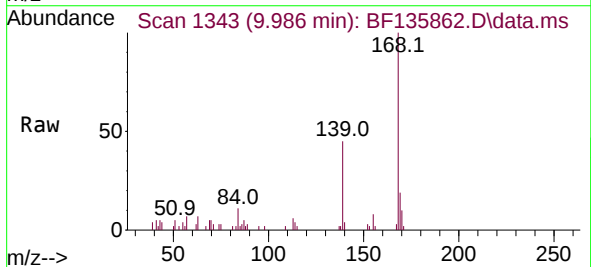
Instrument :
BNA_F
ClientSampleId :

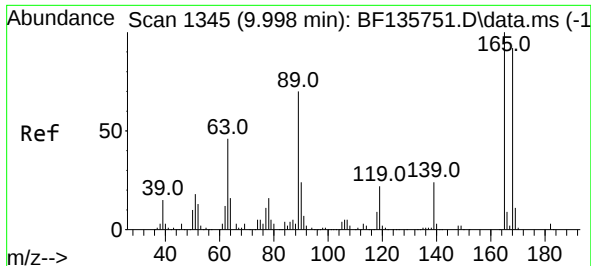
Tgt Ion:165 Resp: 21202
Ion Ratio Lower Upper
165 100
63 1.4 62.2 93.4#
89 1.4 49.6 74.4#



#56
4-Nitrophenol
Concen: 8.678 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.041 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Tgt Ion:139 Resp: 4567
Ion Ratio Lower Upper
139 100
109 5.3 45.6 85.6#
65 0.0 87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 7.011 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.230 min

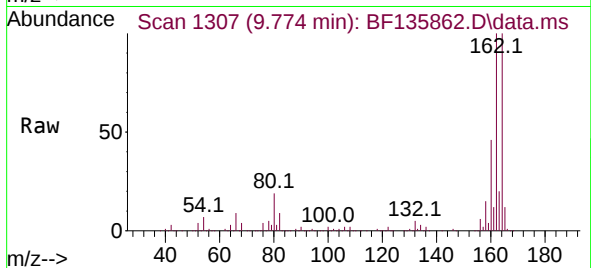
Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:165 Resp: 21202

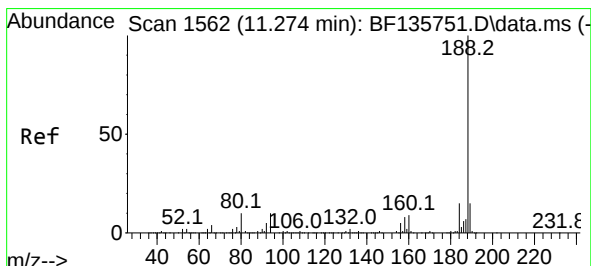
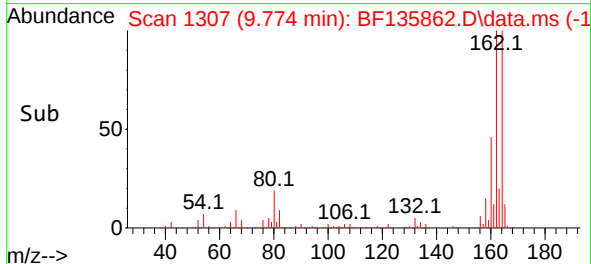
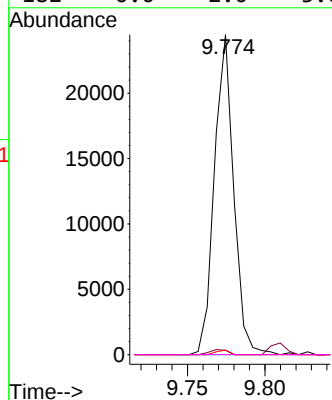
Ion Ratio Lower Upper

165 100

63 1.4 39.0 58.4#

89 1.4 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

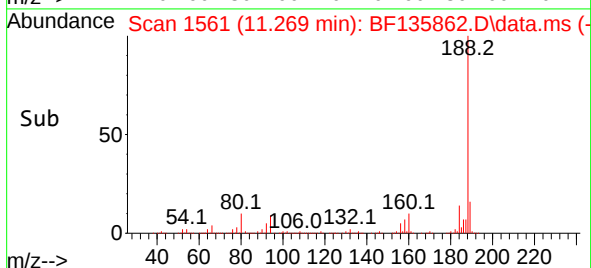
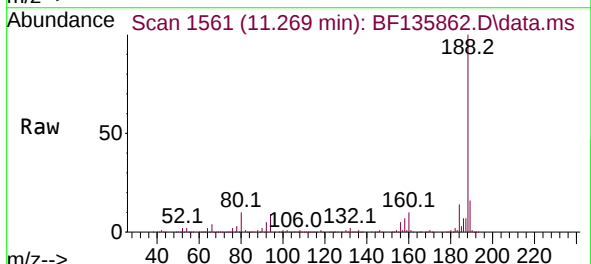
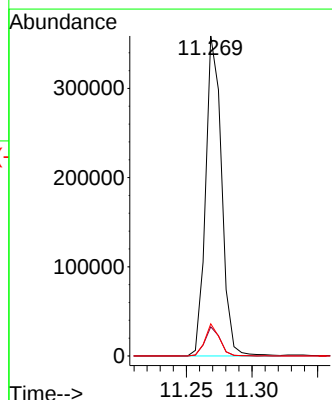
Tgt Ion:188 Resp: 305022

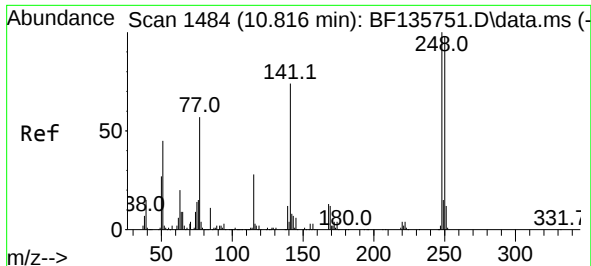
Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

80 10.0 8.3 12.5





#67

4-Bromophenyl-phenylether

Concen: 3.408 ng

RT: 10.574 min Scan# 14

Delta R.T. -0.247 min

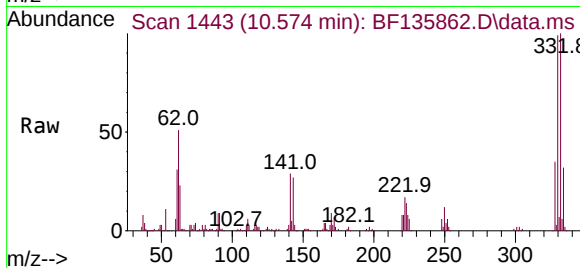
Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :



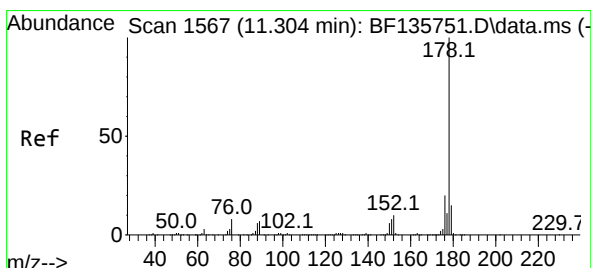
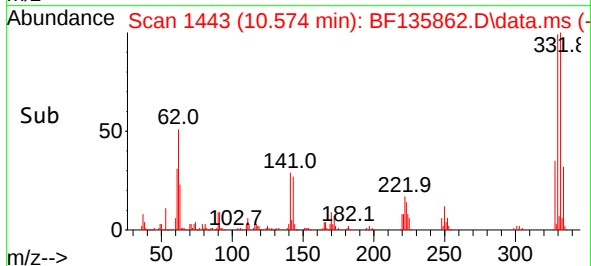
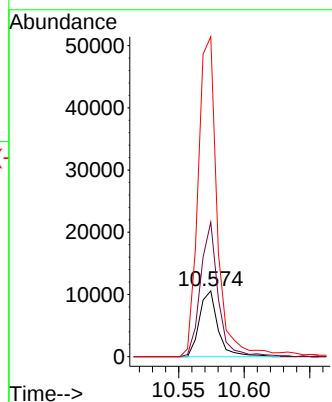
Tgt Ion:248 Resp: 10436

Ion Ratio Lower Upper

248 100

250 204.7 78.0 117.0#

141 486.7 59.0 88.6#



#71

Phenanthrene

Concen: 10.428 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

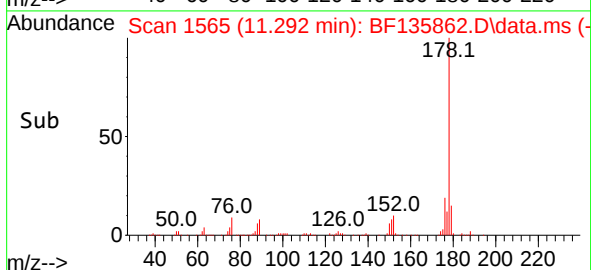
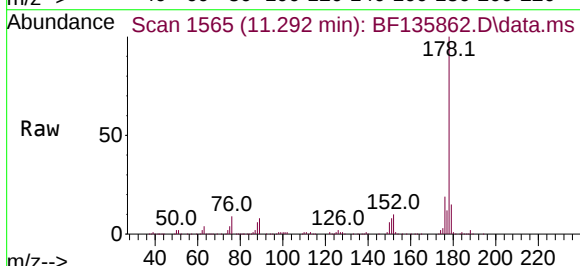
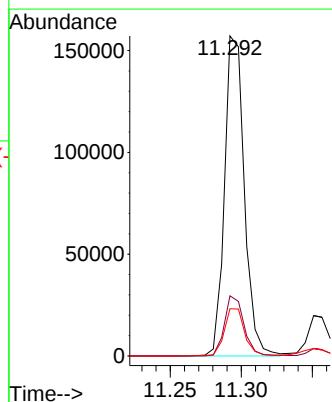
Tgt Ion:178 Resp: 152381

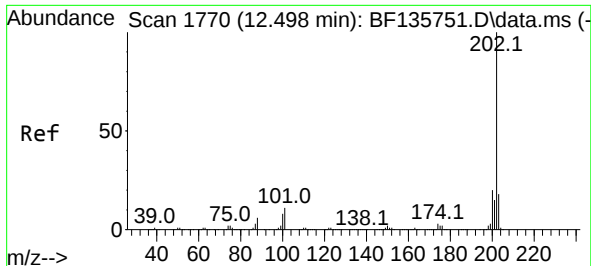
Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

179 14.7 12.2 18.4

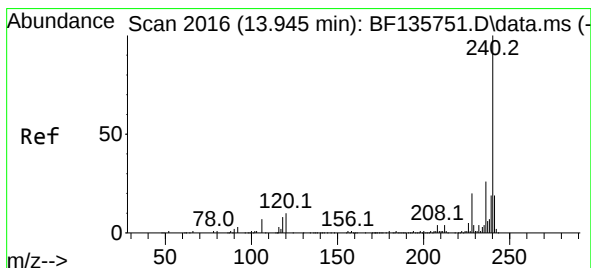
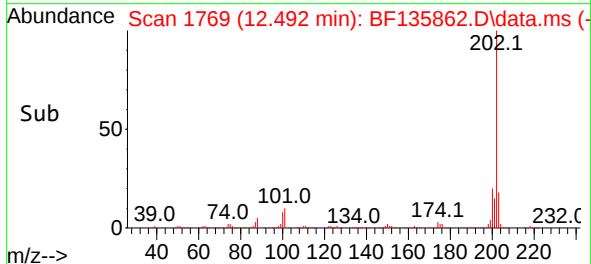
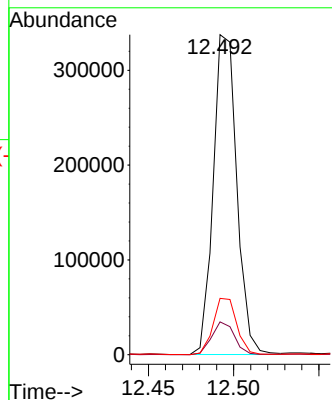
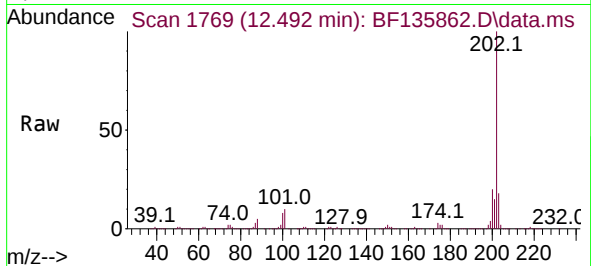




#75
Fluoranthene
Concen: 20.058 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

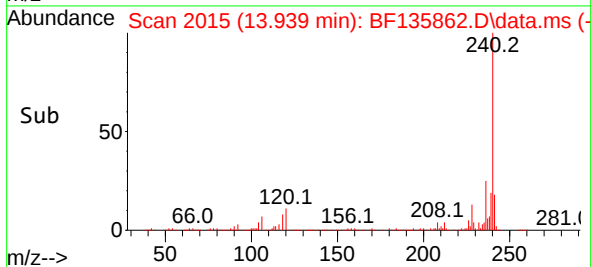
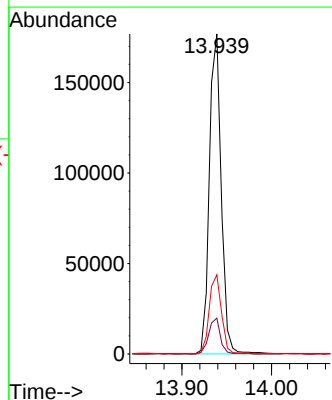
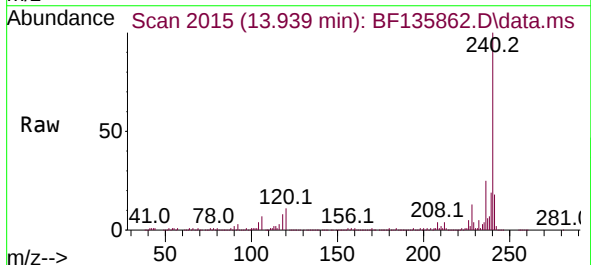
Instrument :
BNA_F
ClientSampleId :

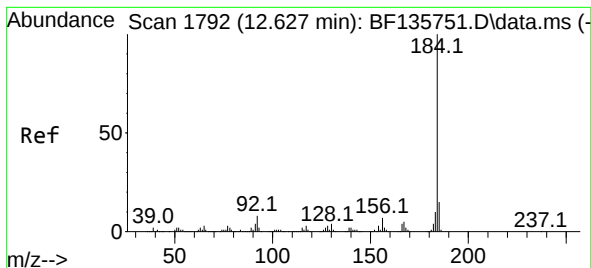
Tgt Ion:202 Resp: 325286
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.6 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Tgt Ion:240 Resp: 162587
Ion Ratio Lower Upper
240 100
120 11.2 8.2 12.2
236 24.7 21.2 31.8





#77

Benzidine

Concen: 2.315 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

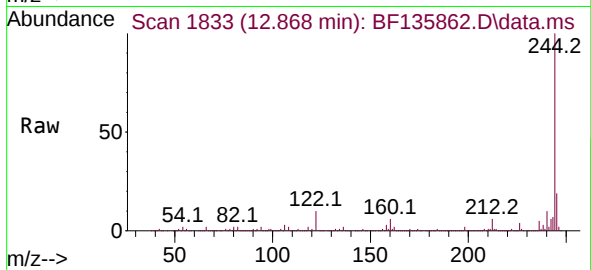
Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :



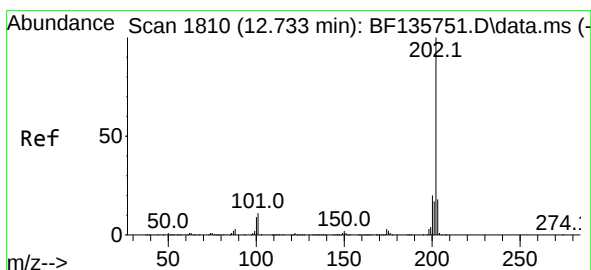
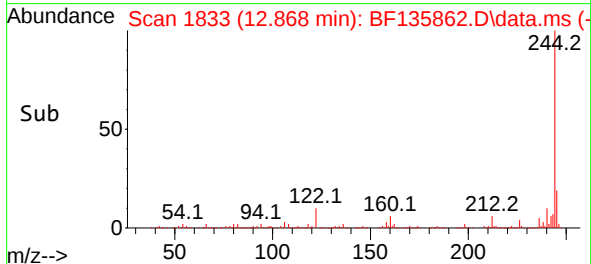
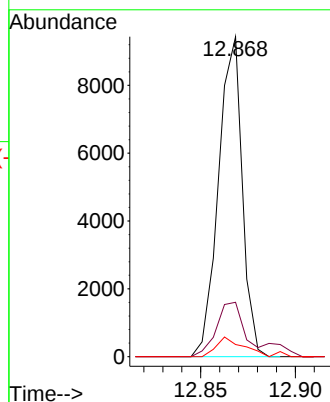
Tgt Ion:184 Resp: 8214

Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 3.8 8.2 12.2#



#78

Pyrene

Concen: 20.043 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

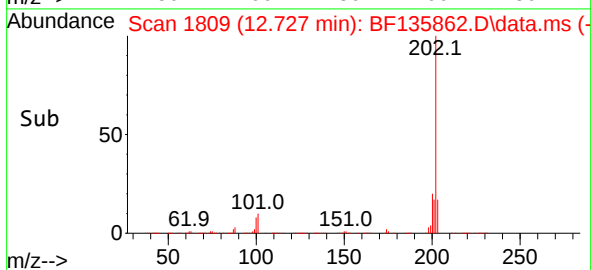
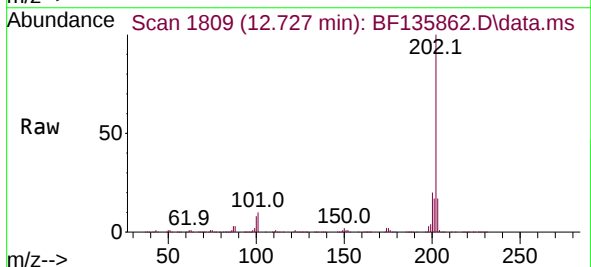
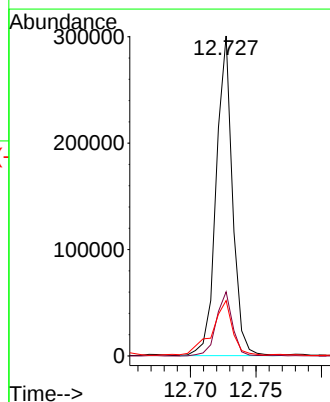
Tgt Ion:202 Resp: 258960

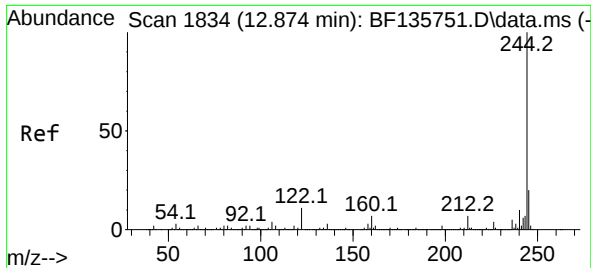
Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

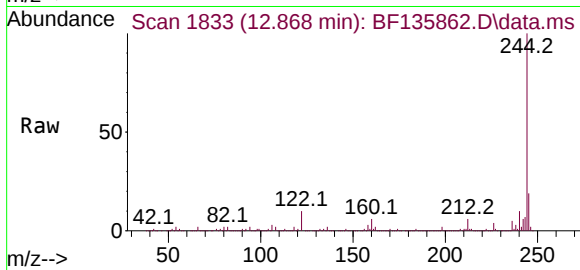
203 17.3 14.2 21.2



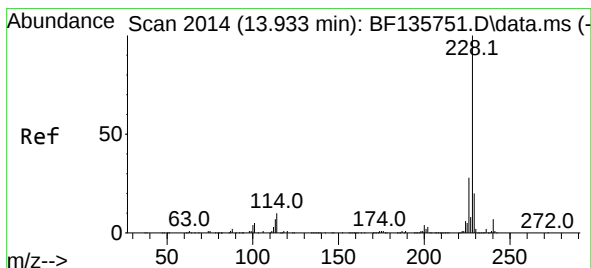
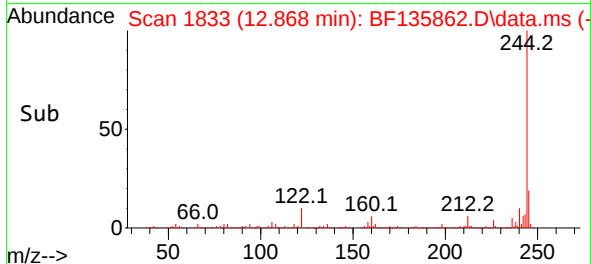
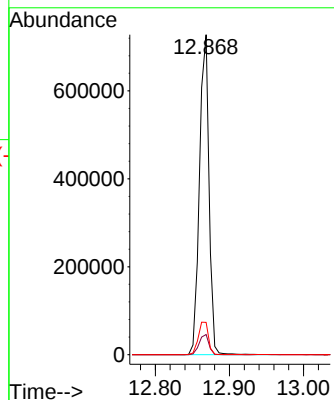


#79
 Terphenyl-d14
 Concen: 73.773 ng
 RT: 12.868 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135862.D
 Acq: 18 Oct 2023 22:58

Instrument :
 BNA_F
 ClientSampleId :

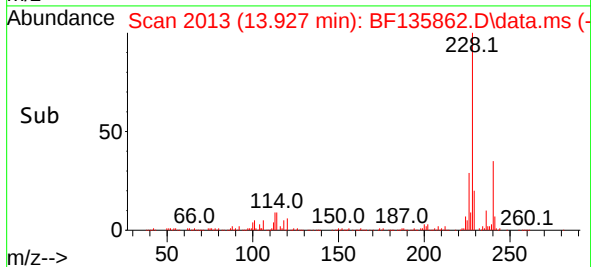
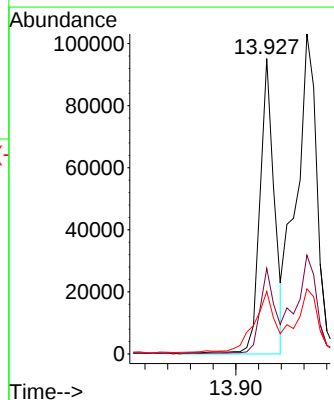
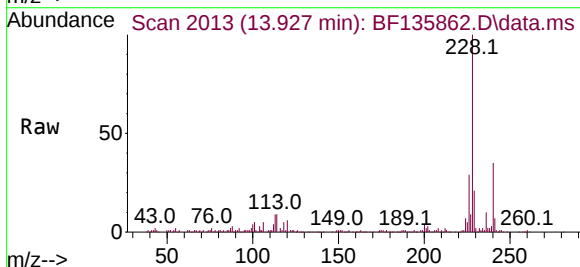


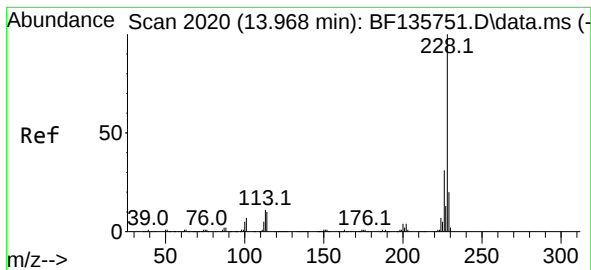
Tgt Ion:244 Resp: 647680
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.1 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 7.933 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135862.D
 Acq: 18 Oct 2023 22:58

Tgt Ion:228 Resp: 84717
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.2 33.2
 229 21.2 16.1 24.1





#83

Chrysene

Concen: 12.546 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

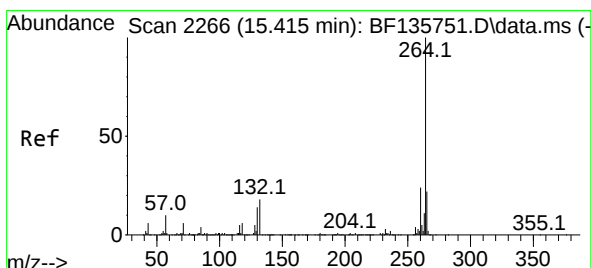
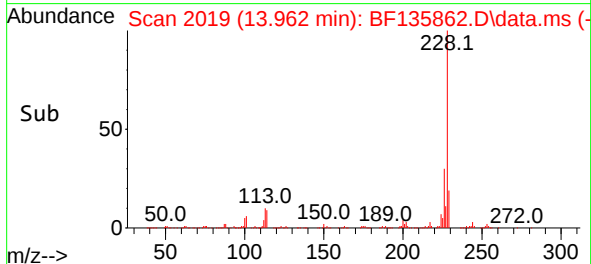
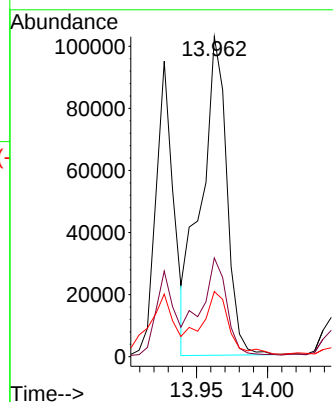
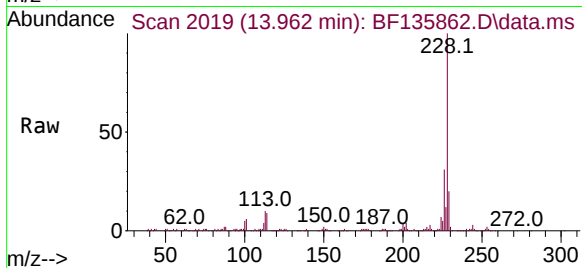
Tgt Ion:228 Resp: 129777

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 20.4 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: BF135862.D

Acq: 18 Oct 2023 22:58

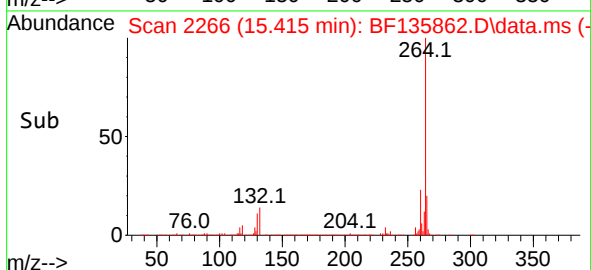
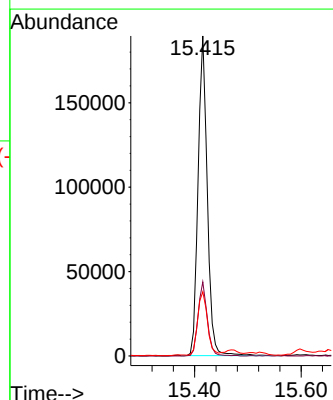
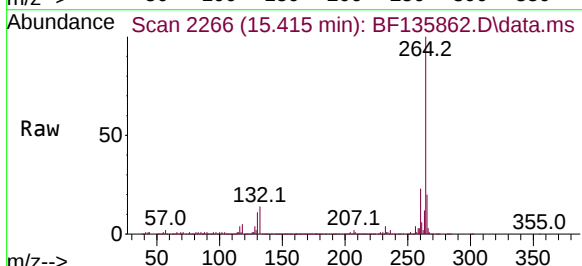
Tgt Ion:264 Resp: 227008

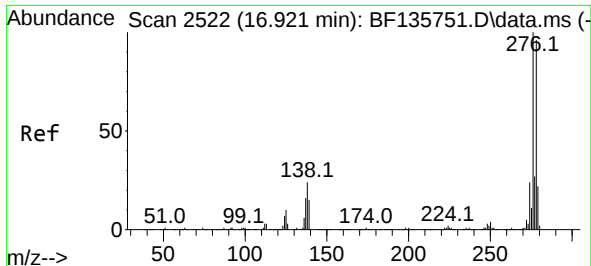
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

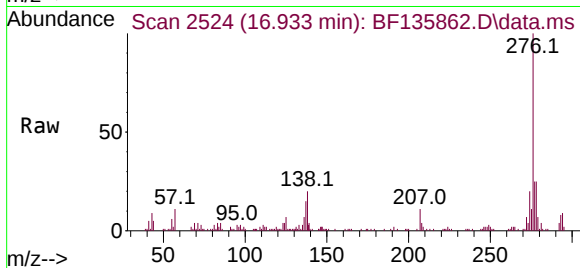
265 20.0 17.4 26.2



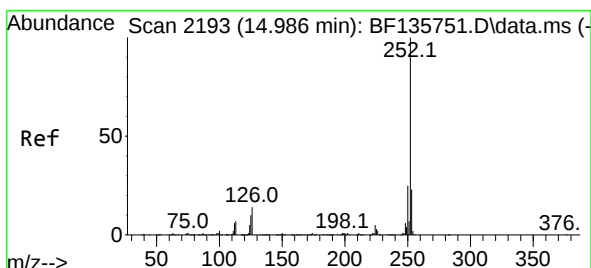
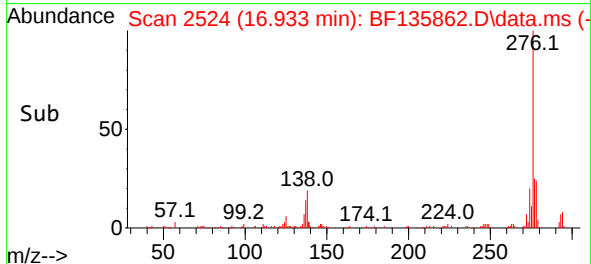
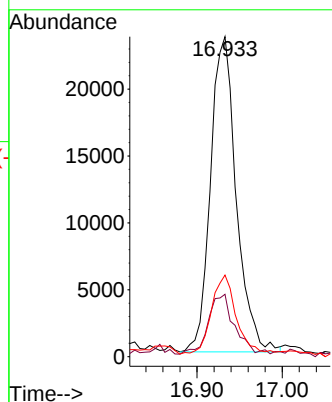


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.011 ng
 RT: 16.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF135862.D
 Acq: 18 Oct 2023 22:58

Instrument :
 BNA_F
 ClientSampleId :

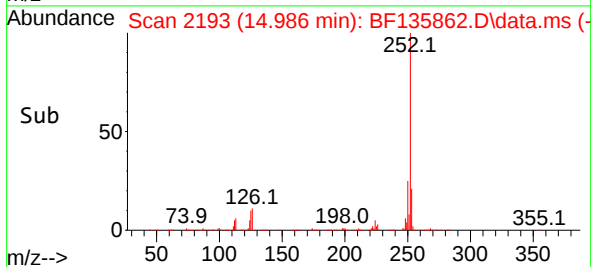
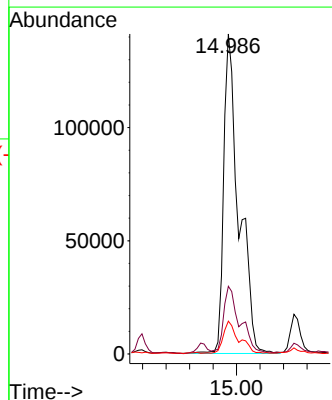
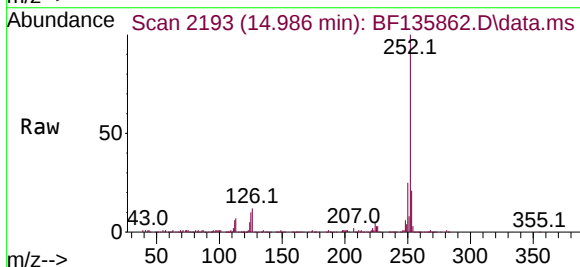


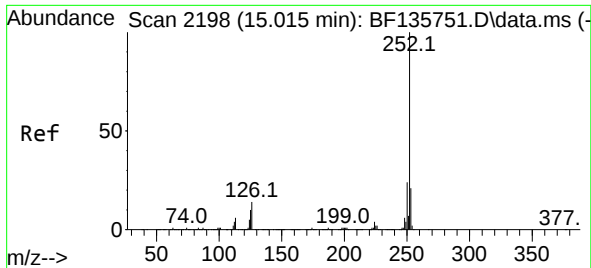
Tgt Ion:276 Resp: 49607
 Ion Ratio Lower Upper
 276 100
 138 19.4 19.8 29.6#
 277 23.1 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 20.060 ng
 RT: 14.986 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF135862.D
 Acq: 18 Oct 2023 22:58

Tgt Ion:252 Resp: 254857
 Ion Ratio Lower Upper
 252 100
 253 21.1 18.2 27.2
 125 10.2 8.2 12.2

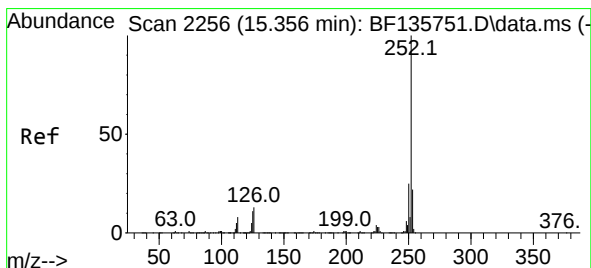
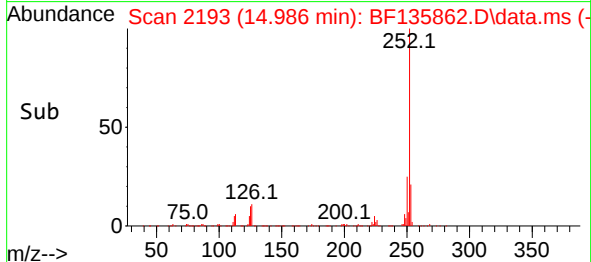
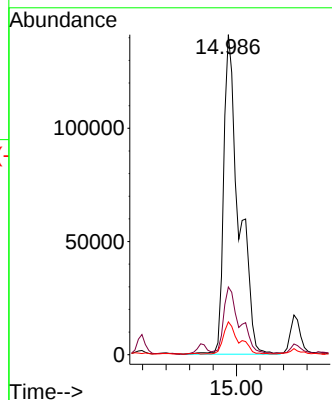
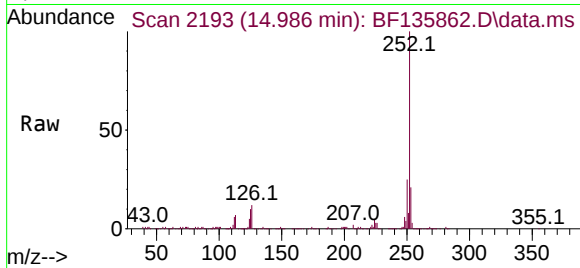




#89
Benzo(k)fluoranthene
Concen: 20.662 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.036 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

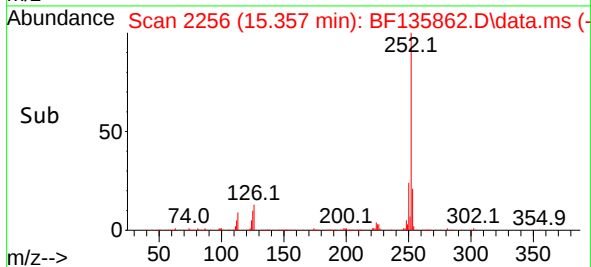
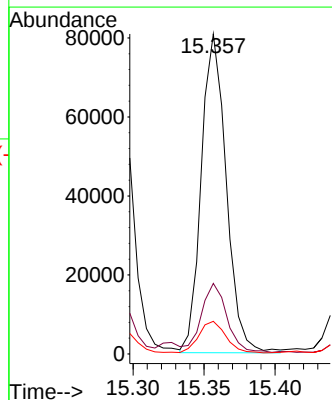
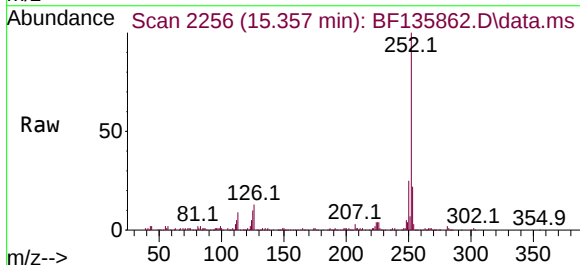
Instrument :
BNA_F
ClientSampleId :

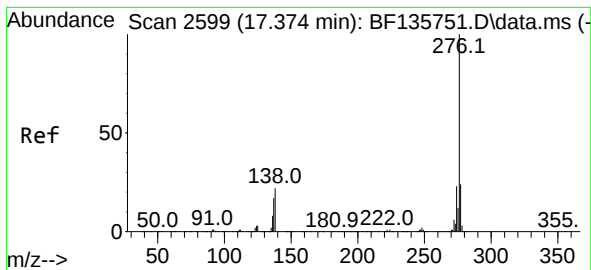
Tgt Ion:252 Resp: 254857
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.0
125 10.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 8.280 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Tgt Ion:252 Resp: 98921
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 10.2 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.360 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.000 min

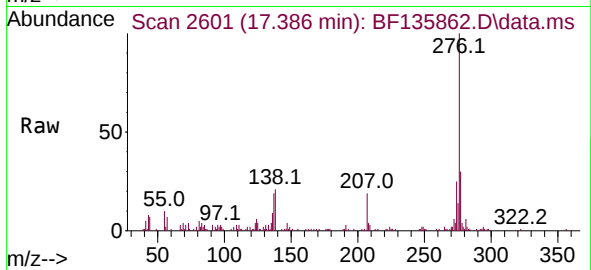
Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 45418

Ion Ratio Lower Upper

276 100

277 29.6 19.4 29.2#

138 21.4 17.3 25.9

