

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135853.D
 Acq On : 18 Oct 2023 18:11
 Operator : CG\JU
 Sample : 04767-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 01:21:14 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)

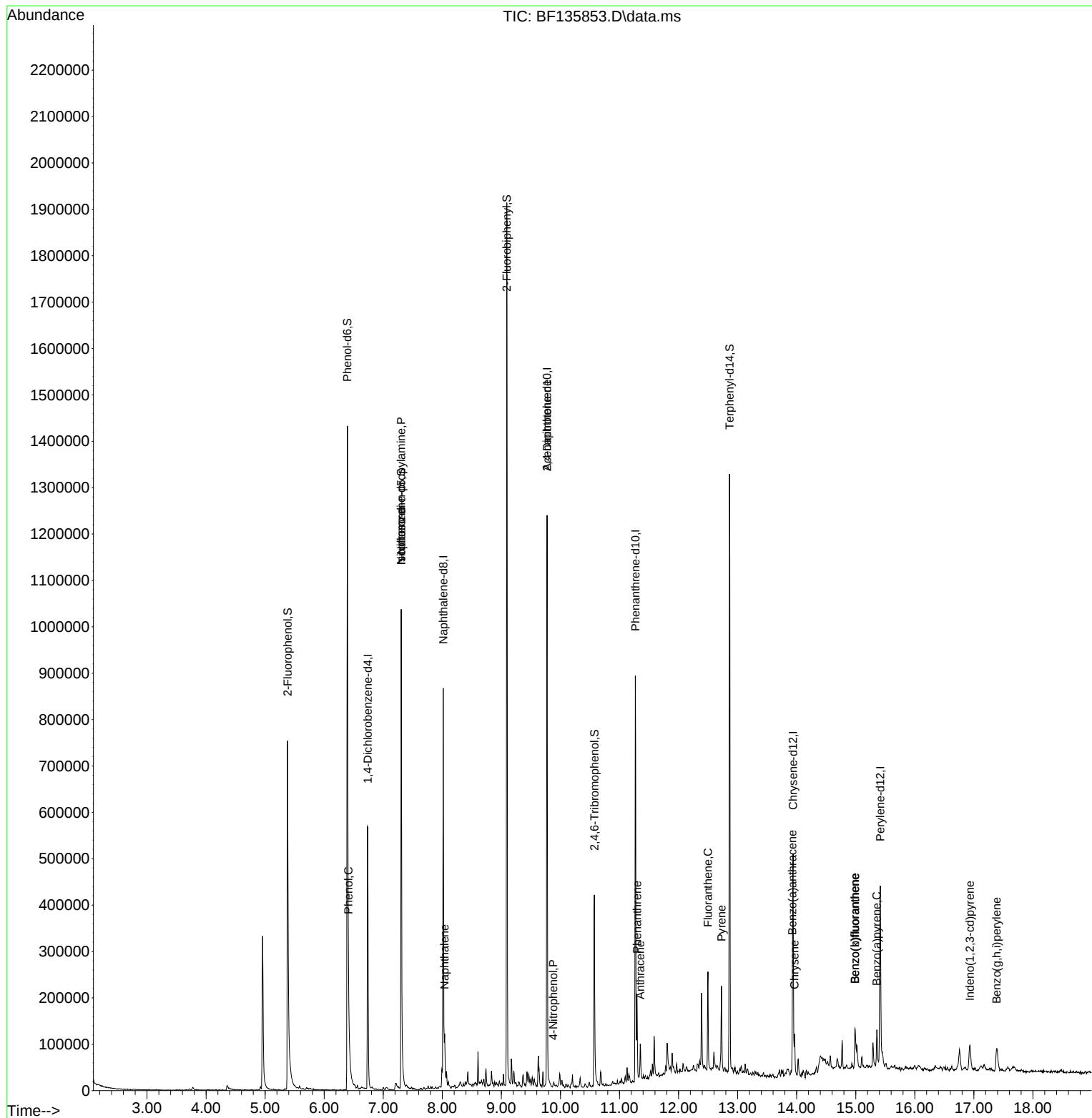
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	94136	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	344921	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	172977	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	321442	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	158615	20.000	ng	-0.01
86) Perylene-d12	15.415	264	201077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	282777	48.296	ng	0.00
7) Phenol-d6	6.393	99	492167	67.368	ng	0.00
23) Nitrobenzene-d5	7.304	82	313134	49.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55908	33.682	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	560463	50.659	ng	-0.01
79) Terphenyl-d14	12.863	244	453704	52.972	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.410	94	52298	6.832	ng	# 69
19) n-Nitroso-di-n-propyla...	7.304	70	40427	8.950	ng	# 77
25) Isophorone	7.304	82	313134	26.466	ng	# 66
31) Naphthalene	8.039	128	43423	2.581	ng	99
56) 4-Nitrophenol	9.881	139	192	5.619	ng	# 68
57) 2,4-Dinitrotoluene	9.775	165	22161	6.937	ng	# 27
71) Phenanthrene	11.298	178	76580	4.973	ng	100
72) Anthracene	11.351	178	32428	2.032	ng	98
75) Fluoranthene	12.498	202	90398	5.289	ng	96
78) Pyrene	12.727	202	75893	6.021	ng	99
81) Benzo(a)anthracene	13.927	228	32650	3.134	ng	99
83) Chrysene	13.963	228	34127	3.382	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	40004	3.651	ng	97
88) Benzo(b)fluoranthene	14.986	252	49793	4.425	ng	99
89) Benzo(k)fluoranthene	14.986	252	49793	4.557	ng	99
90) Benzo(a)pyrene	15.357	252	38854	3.672	ng	99
92) Benzo(g,h,i)perylene	17.386	276	47673	5.167	ng	99

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

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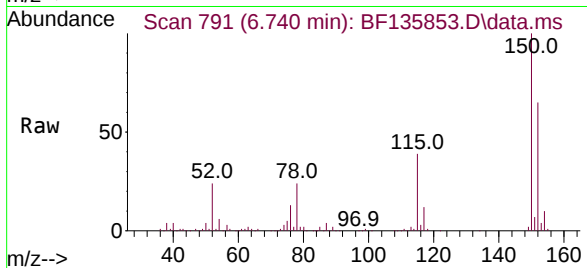
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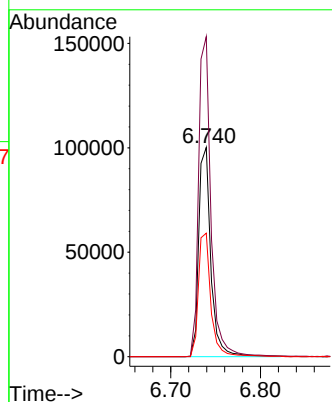
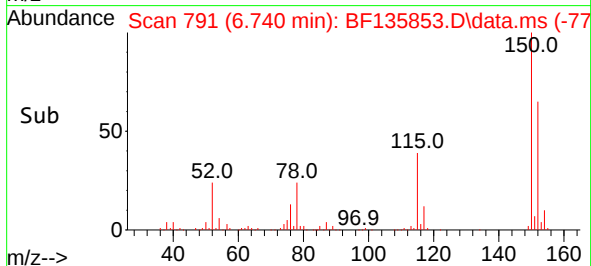


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

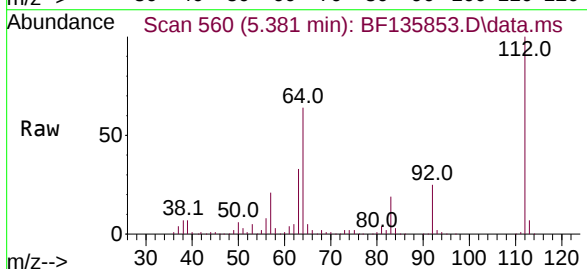
Instrument :
BNA_F
ClientSampleId :



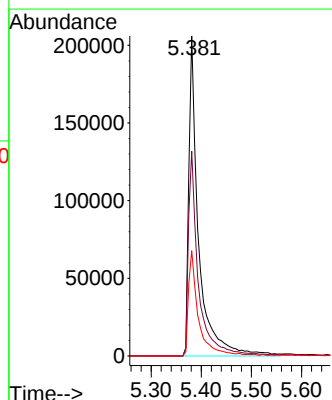
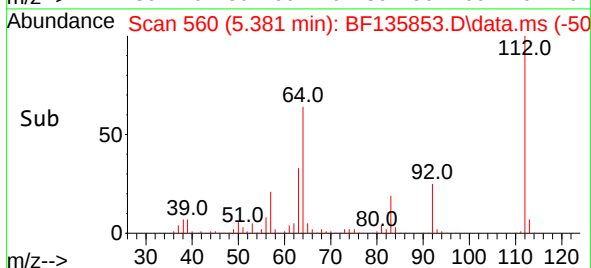
Tgt Ion:152 Resp: 94136
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 59.1 49.0 73.4

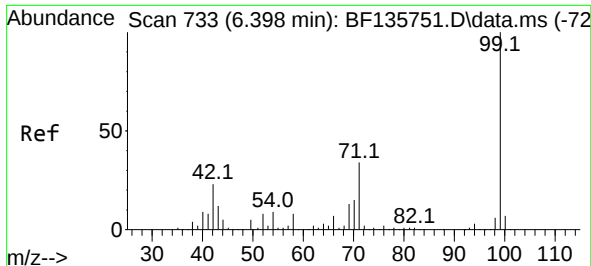


#5
2-Fluorophenol
Concen: 48.296 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11



Tgt Ion:112 Resp: 282777
Ion Ratio Lower Upper
112 100
64 64.0 51.2 76.8
63 32.9 26.1 39.1

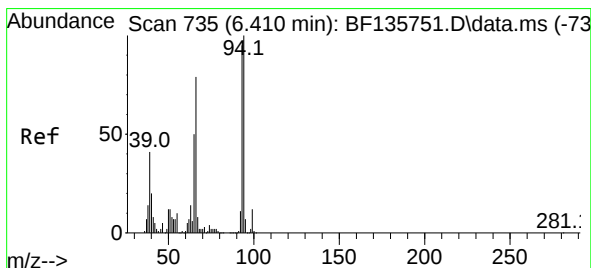
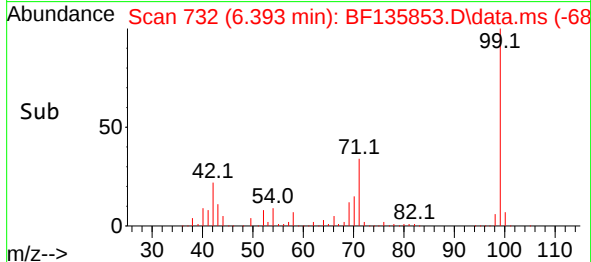
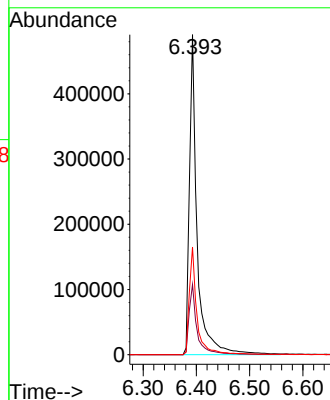
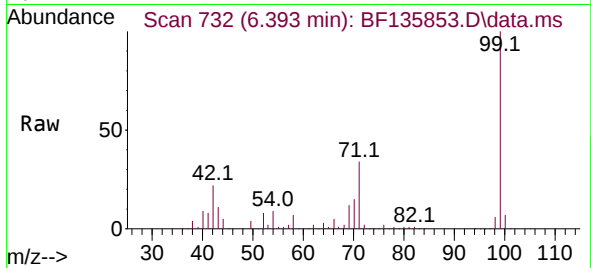




#7
Phenol-d6
Concen: 67.368 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

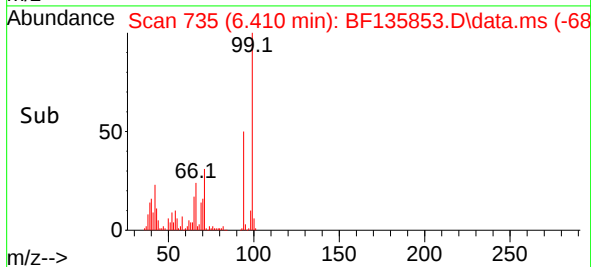
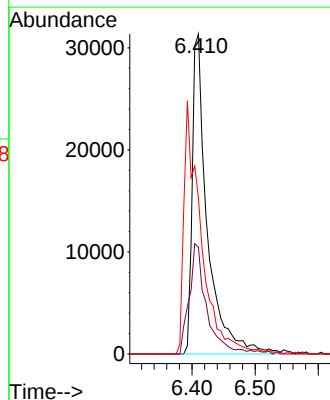
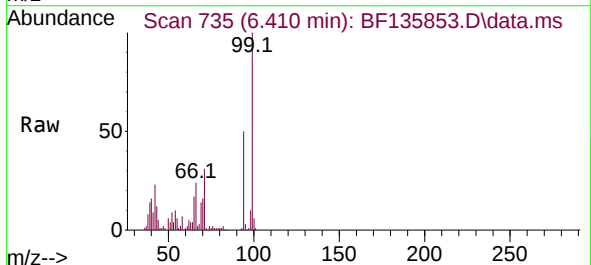
Instrument :
BNA_F
ClientSampleId :

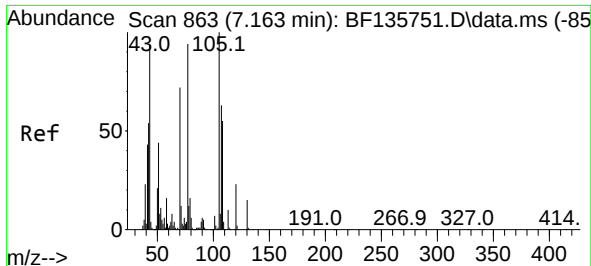
Tgt Ion: 99 Resp: 492167
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 33.6 27.2 40.8



#10
Phenol
Concen: 6.832 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

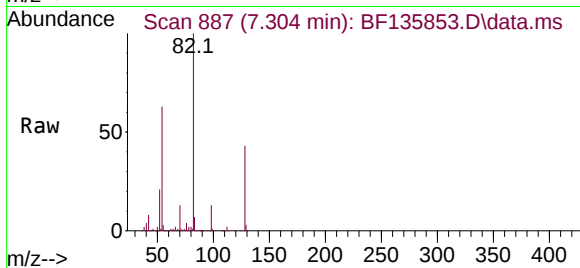
Tgt Ion: 94 Resp: 52298
Ion Ratio Lower Upper
94 100
65 33.4 30.3 70.3
66 48.7 59.1 99.1#



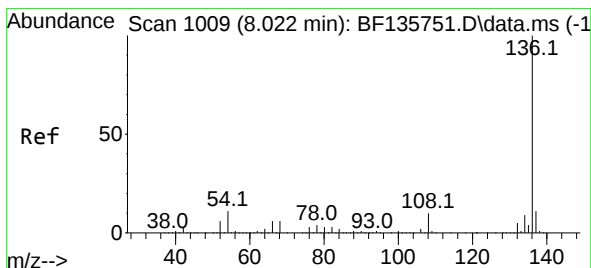
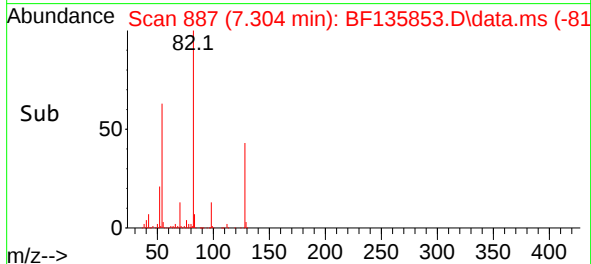
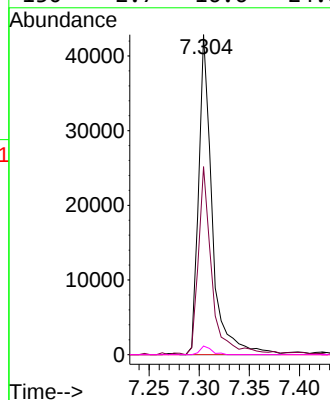


#19
n-Nitroso-di-n-propylamine
Concen: 8.950 ng
RT: 7.304 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Instrument :
BNA_F
ClientSampleId :

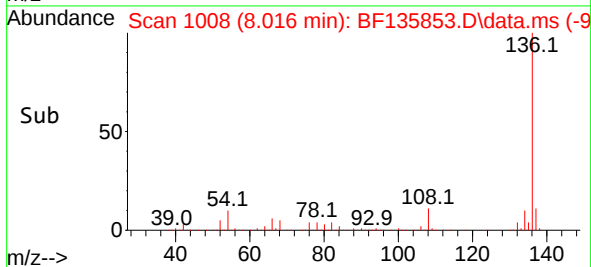
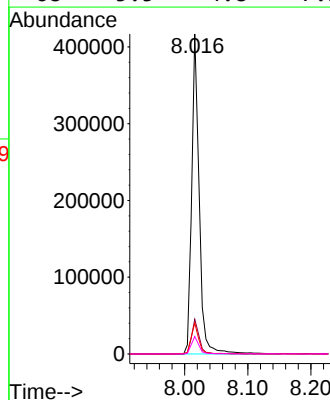
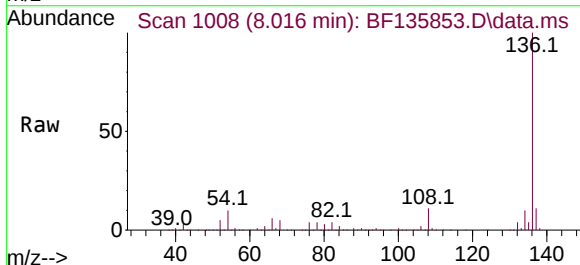


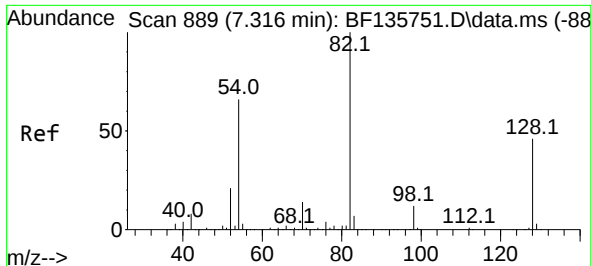
Tgt Ion: 70 Resp: 40427
Ion Ratio Lower Upper
70 100
42 58.8 59.8 89.6#
101 0.0 7.4 11.2#
130 2.7 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion: 136 Resp: 344921
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.7 8.5 12.7
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 49.931 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

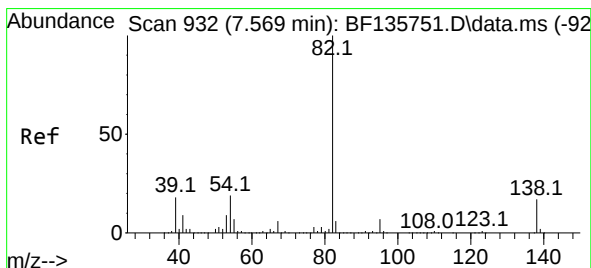
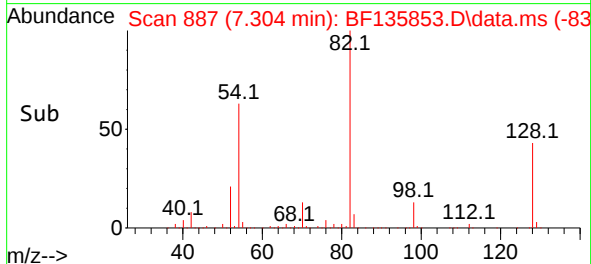
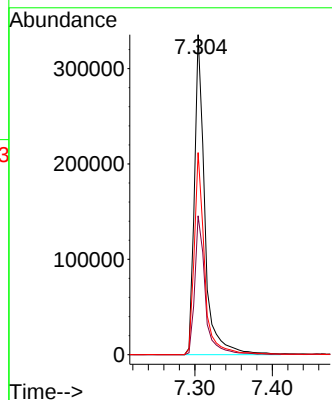
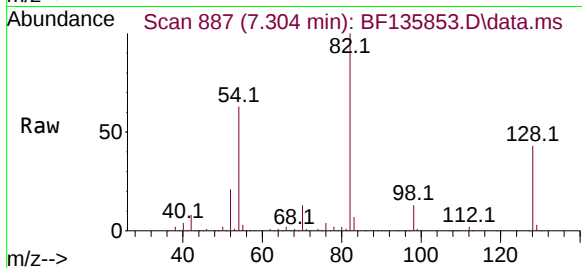
Tgt Ion: 82 Resp: 313134

Ion Ratio Lower Upper

82 100

128 43.4 37.0 55.6

54 63.2 52.8 79.2



#25

Isophorone

Concen: 26.466 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

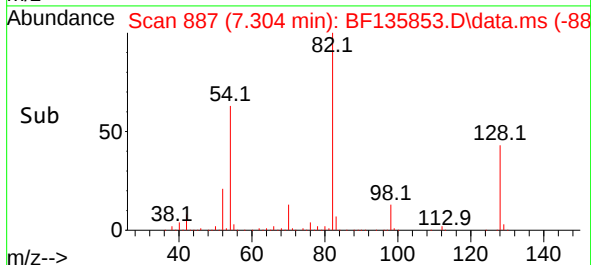
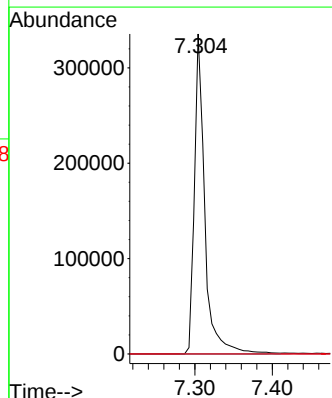
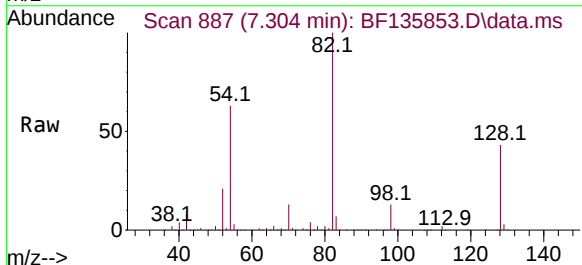
Tgt Ion: 82 Resp: 313134

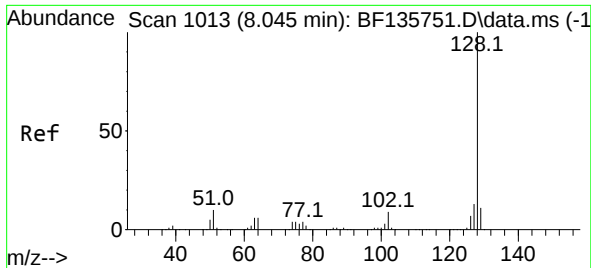
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

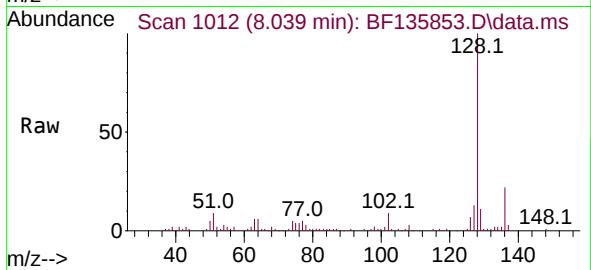
138 0.0 13.9 20.9#



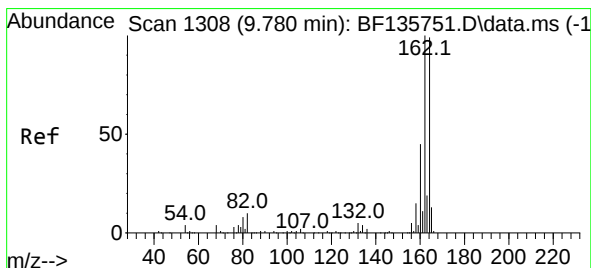
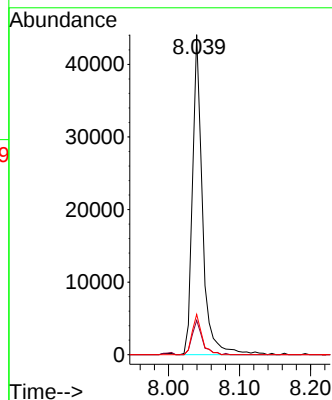
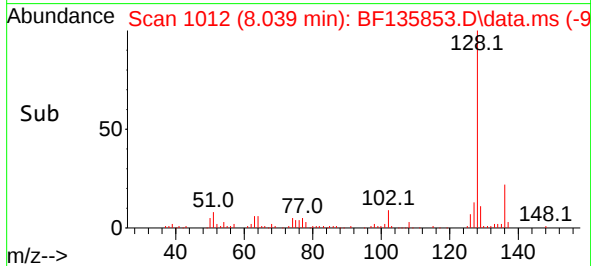


#31
Naphthalene
Concen: 2.581 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

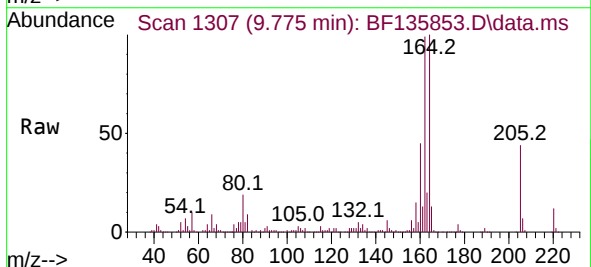
Instrument :
BNA_F
ClientSampleId :



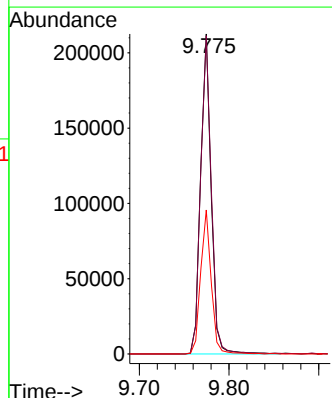
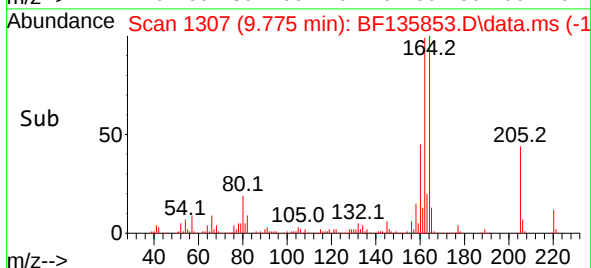
Tgt Ion:128 Resp: 43423
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.6 10.2 15.4

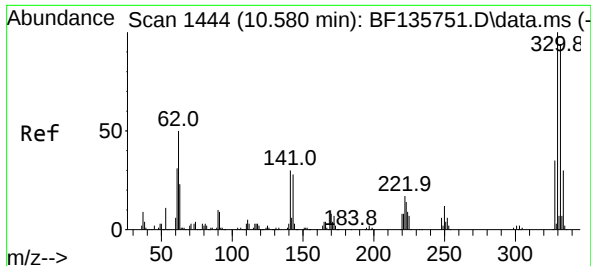


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11



Tgt Ion:164 Resp: 172977
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 33.682 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

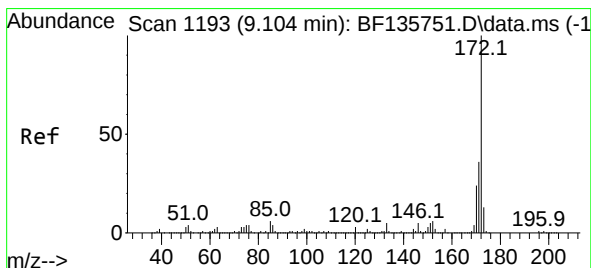
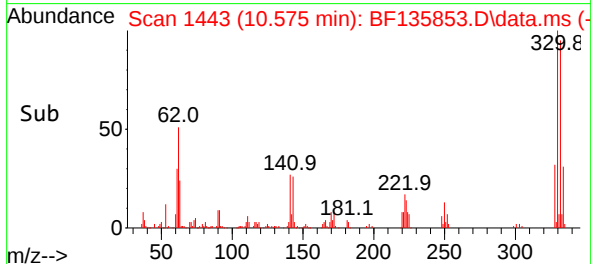
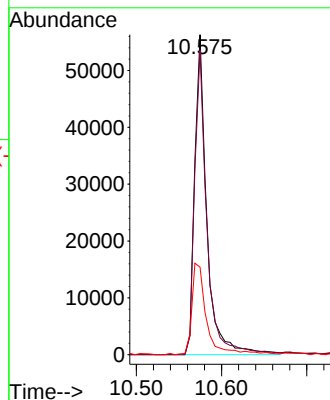
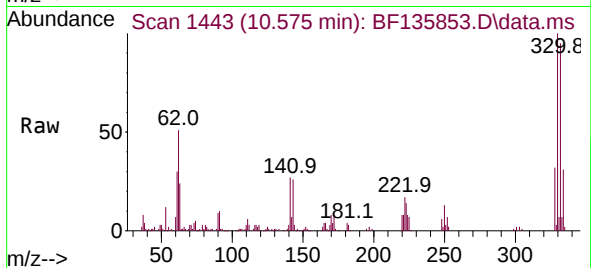
Tgt Ion:330 Resp: 55908

Ion Ratio Lower Upper

330 100

332 95.5 75.0 112.4

141 34.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 50.659 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

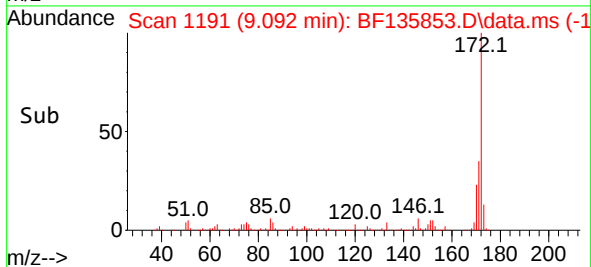
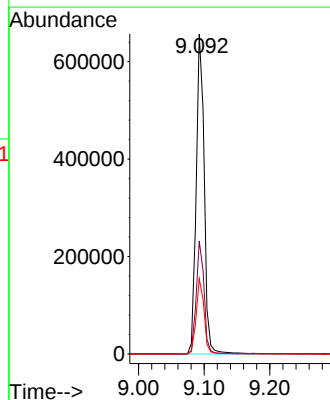
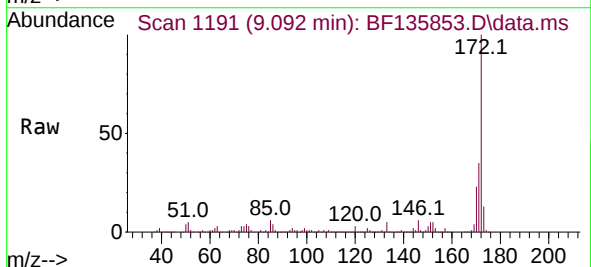
Tgt Ion:172 Resp: 560463

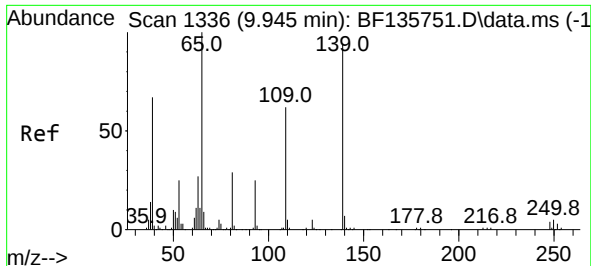
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.5 18.8 28.2

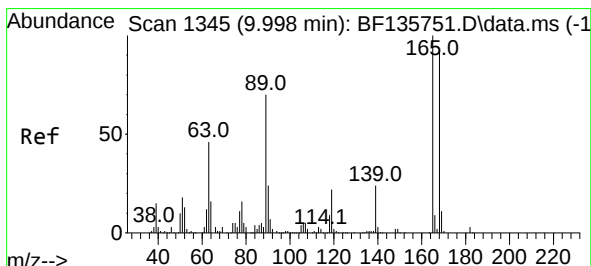
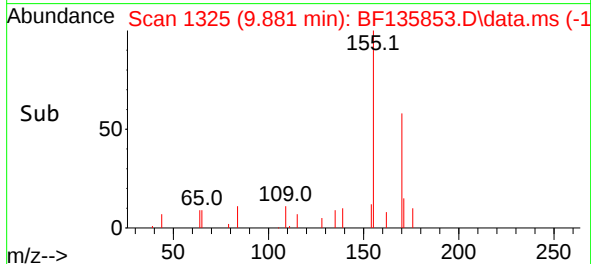
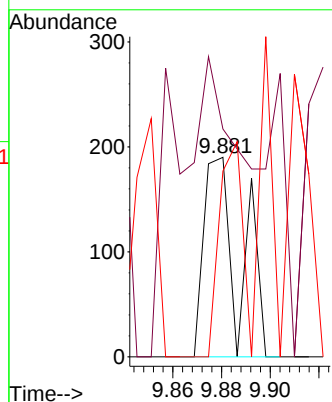
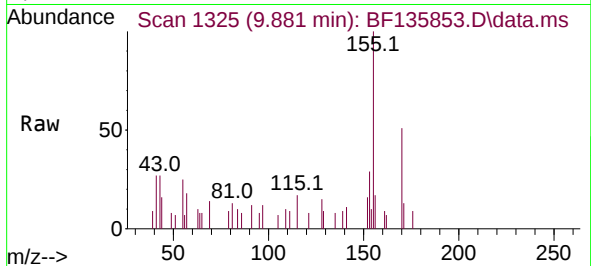




#56
4-Nitrophenol
Concen: 5.619 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

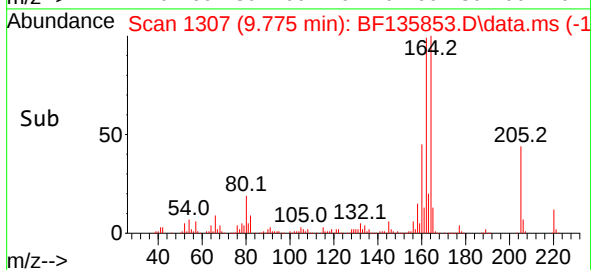
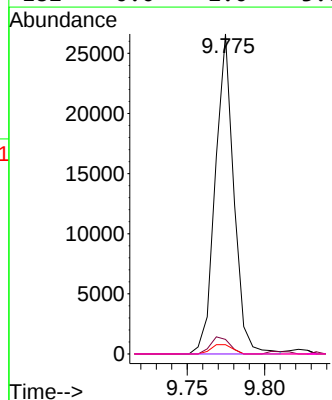
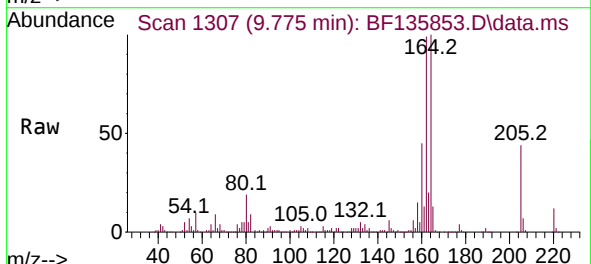
Instrument :
BNA_F
ClientSampleId :

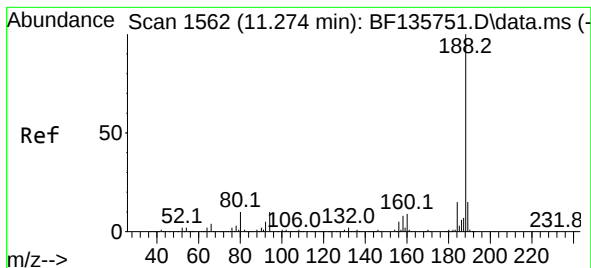
Tgt Ion:139 Resp: 192
Ion Ratio Lower Upper
139 100
109 114.2 45.6 85.6#
65 93.2 87.5 127.5



#57
2,4-Dinitrotoluene
Concen: 6.937 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion:165 Resp: 22161
Ion Ratio Lower Upper
165 100
63 4.6 39.0 58.4#
89 2.9 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

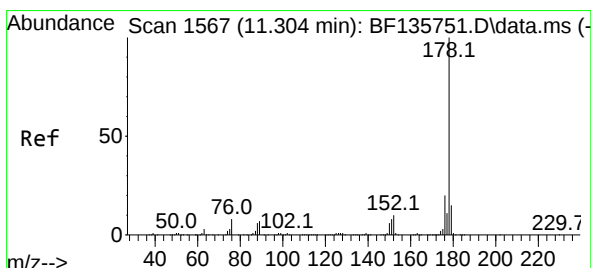
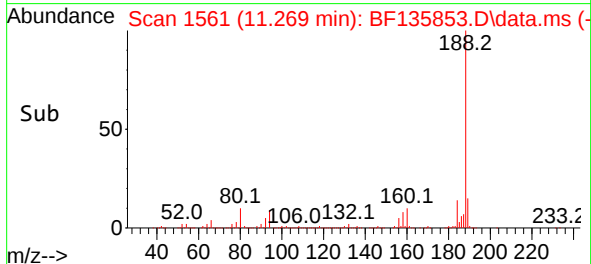
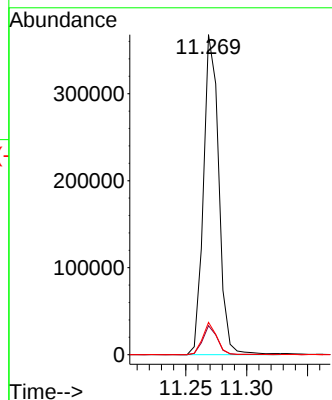
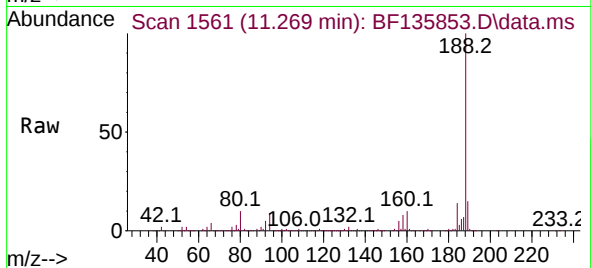
Tgt Ion:188 Resp: 321442

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

80 10.1 8.3 12.5



#71

Phenanthrene

Concen: 4.973 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

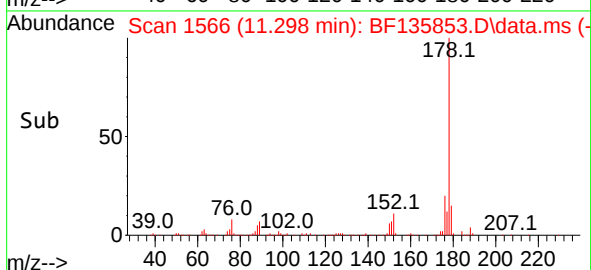
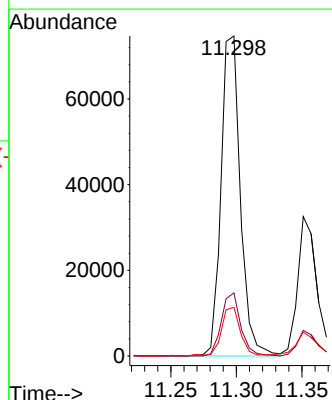
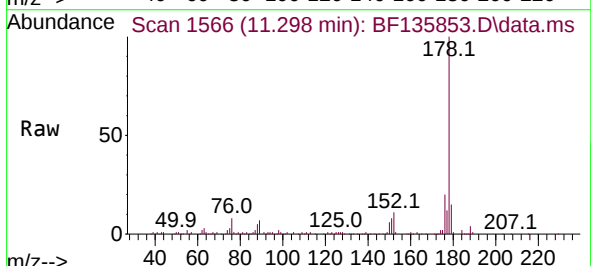
Tgt Ion:178 Resp: 76580

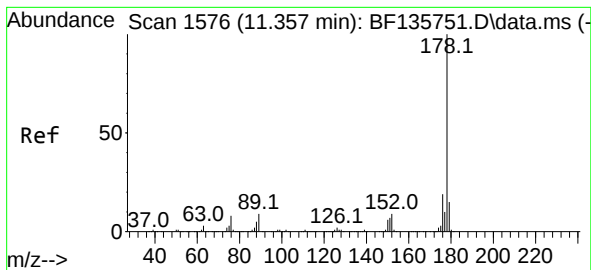
Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.2 12.2 18.4





#72

Anthracene

Concen: 2.032 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

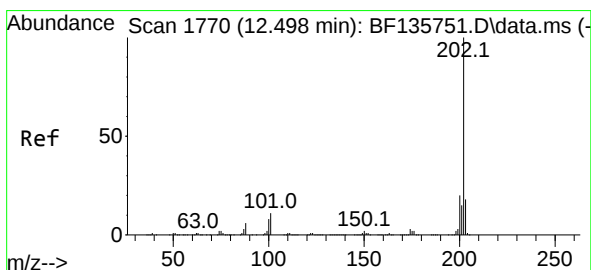
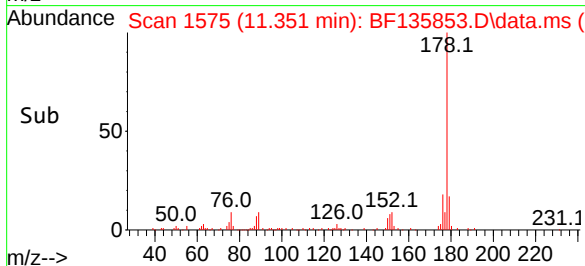
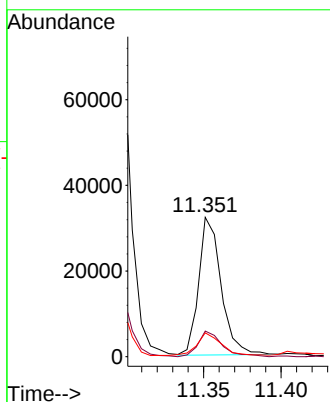
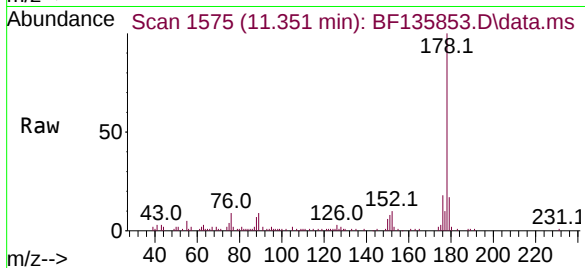
Tgt Ion:178 Resp: 32428

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 17.1 12.3 18.5



#75

Fluoranthene

Concen: 5.289 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

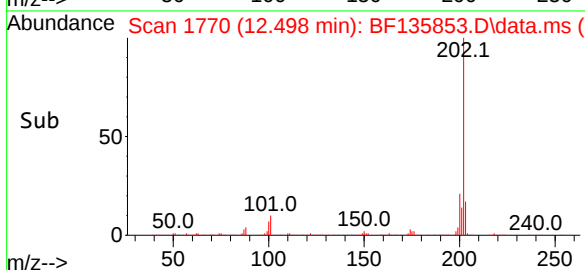
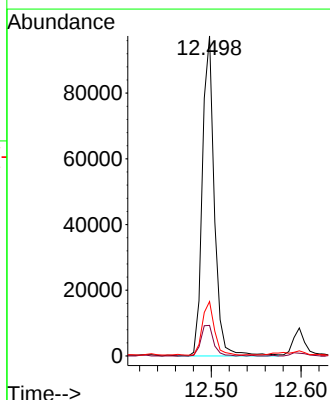
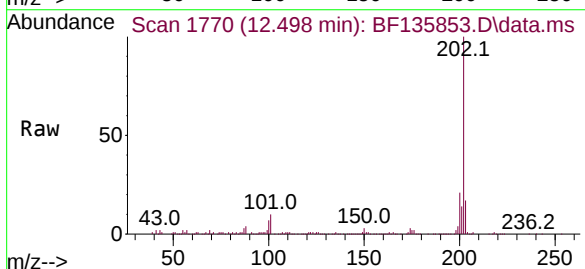
Tgt Ion:202 Resp: 90398

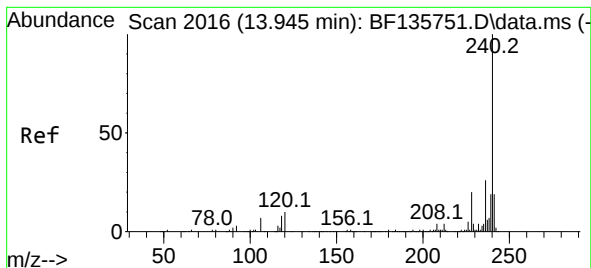
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.5

203 17.0 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: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

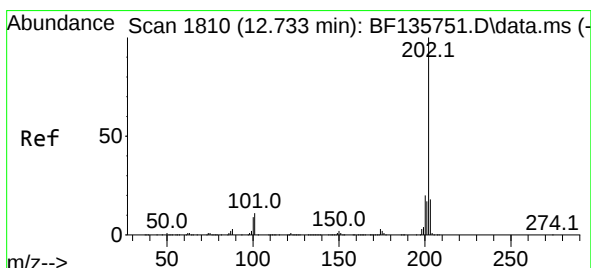
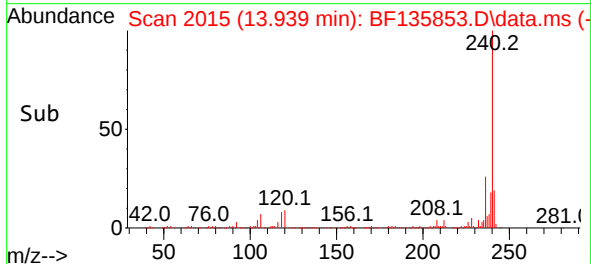
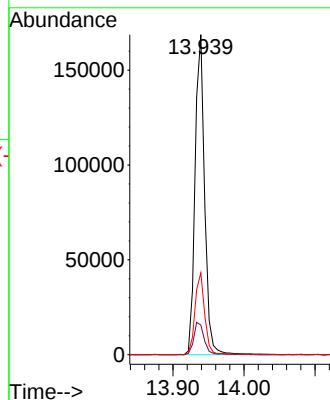
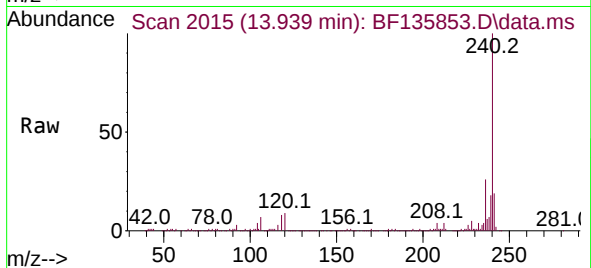
Tgt Ion:240 Resp: 158615

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.2

236 25.6 21.2 31.8



#78

Pyrene

Concen: 6.021 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

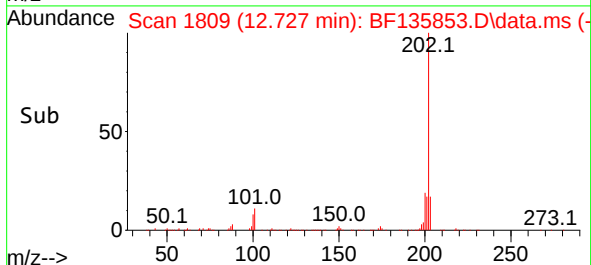
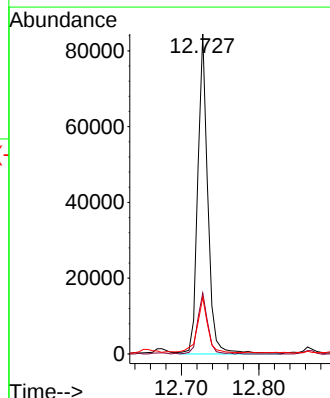
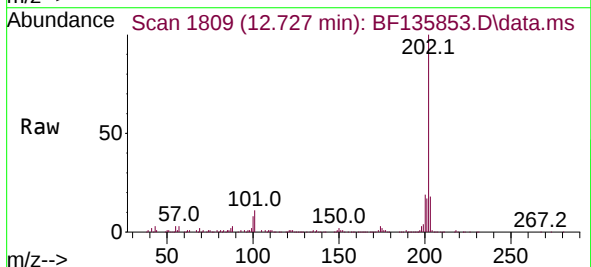
Tgt Ion:202 Resp: 75893

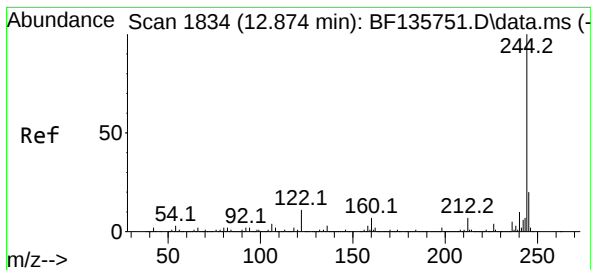
Ion Ratio Lower Upper

202 100

200 19.1 16.1 24.1

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 52.972 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.018 min

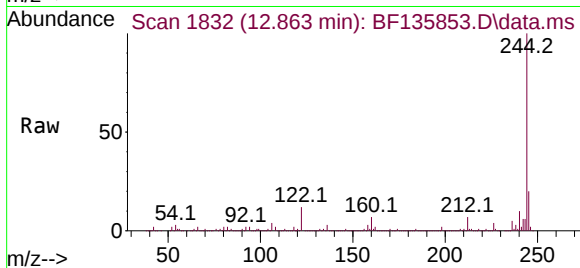
Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :



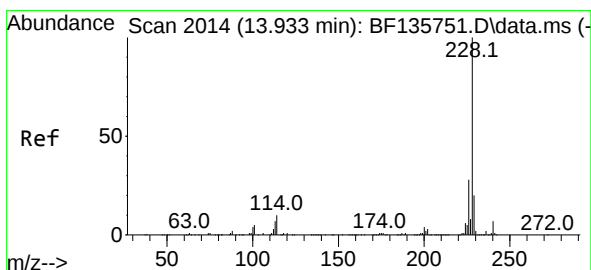
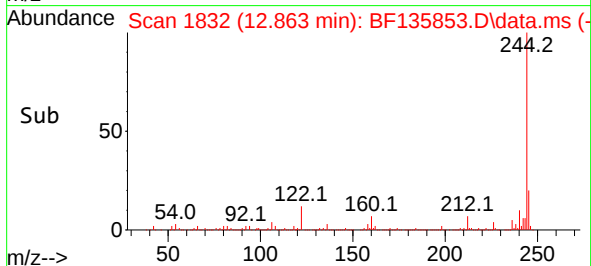
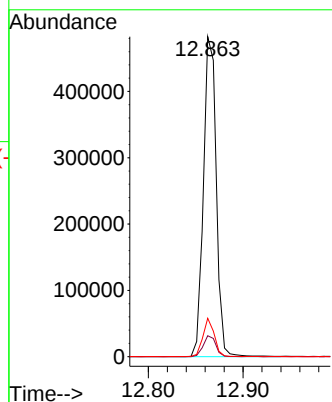
Tgt Ion:244 Resp: 453704

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 12.0 9.0 13.6



#81

Benzo(a)anthracene

Concen: 3.134 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

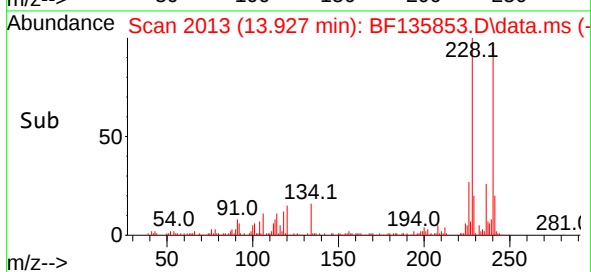
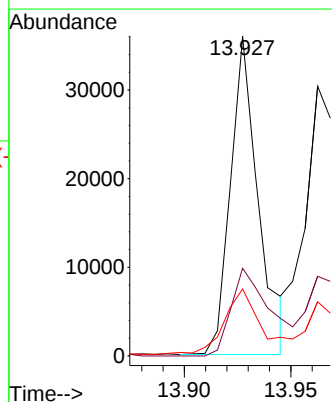
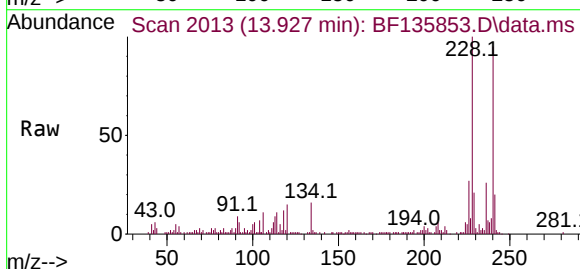
Tgt Ion:228 Resp: 32650

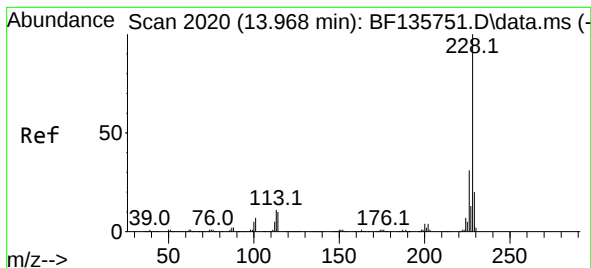
Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.2

229 21.0 16.1 24.1





#83

Chrysene

Concen: 3.382 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

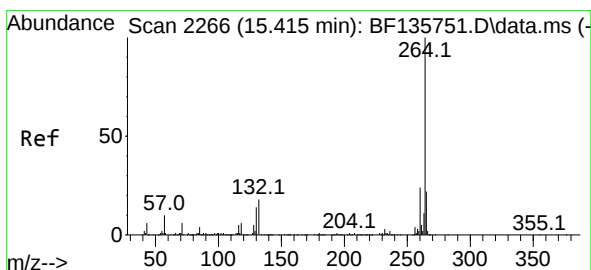
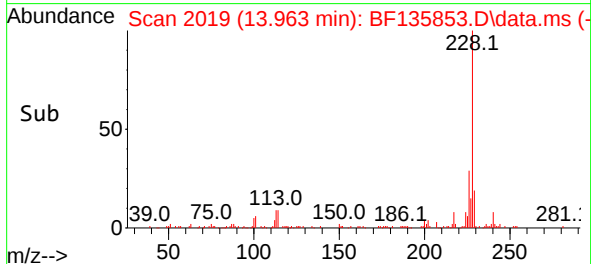
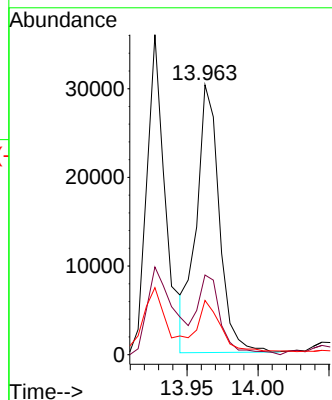
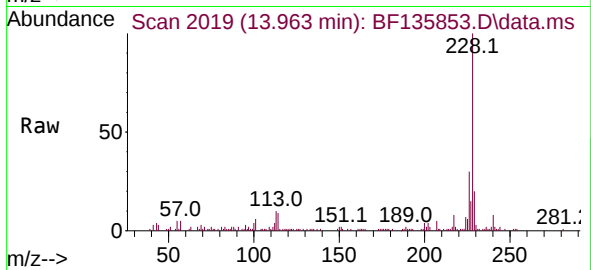
Tgt Ion:228 Resp: 34127

Ion Ratio Lower Upper

228 100

226 29.5 24.4 36.6

229 20.1 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: BF135853.D

Acq: 18 Oct 2023 18:11

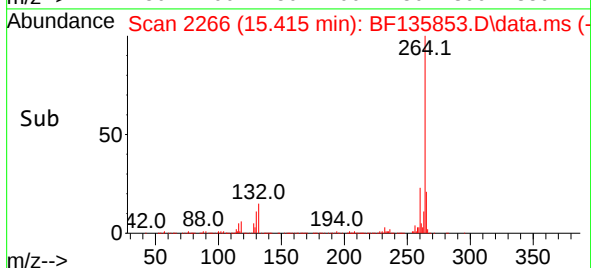
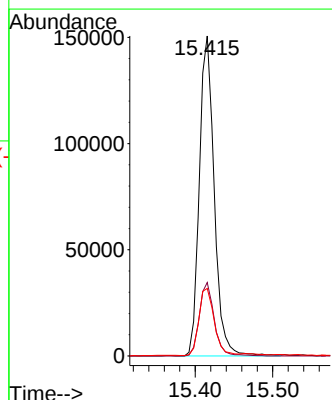
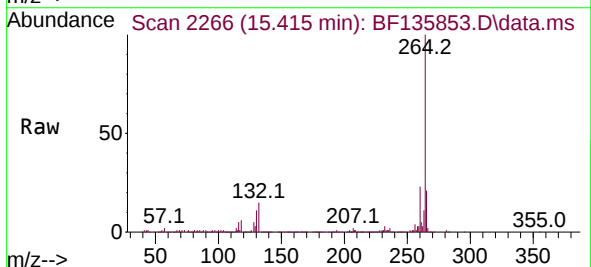
Tgt Ion:264 Resp: 201077

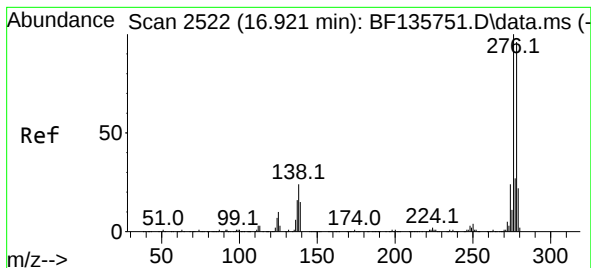
Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.651 ng

RT: 16.933 min Scan# 2193

Delta R.T. -0.000 min

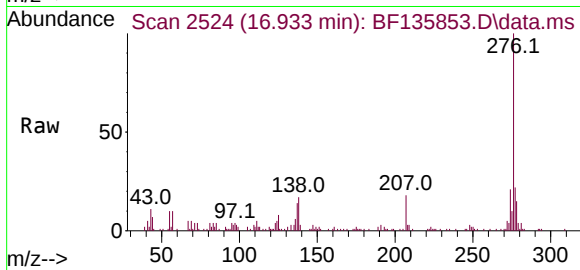
Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :



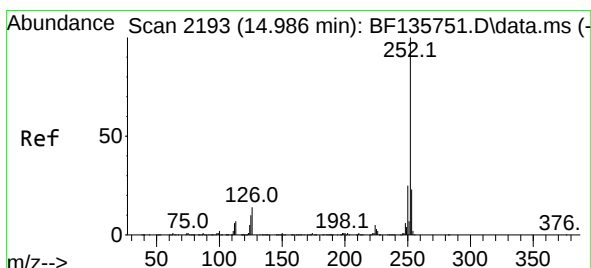
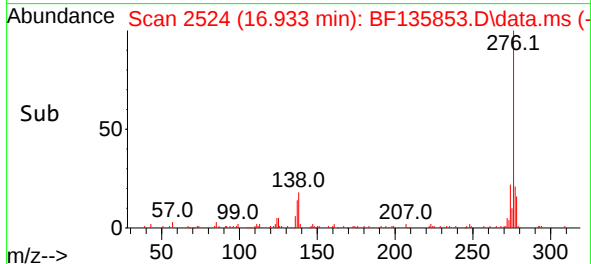
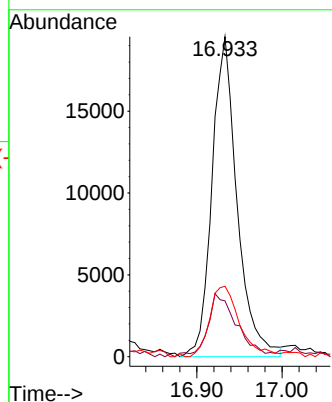
Tgt Ion:276 Resp: 40004

Ion Ratio Lower Upper

276 100

138 23.0 19.8 29.6

277 26.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 4.425 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

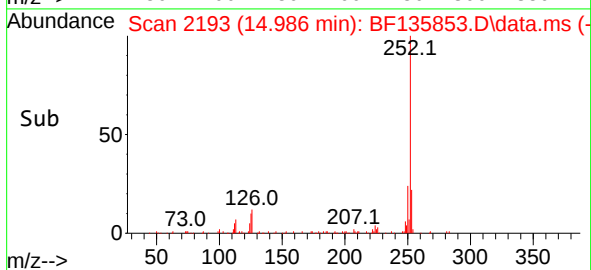
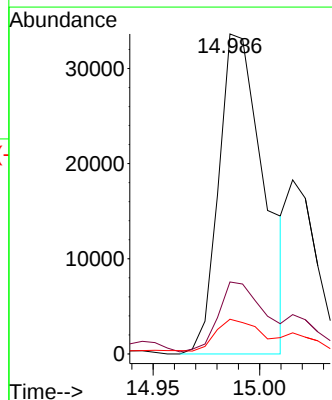
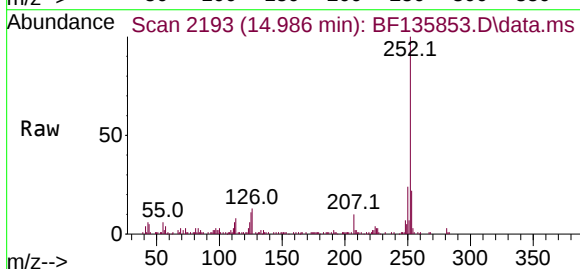
Tgt Ion:252 Resp: 49793

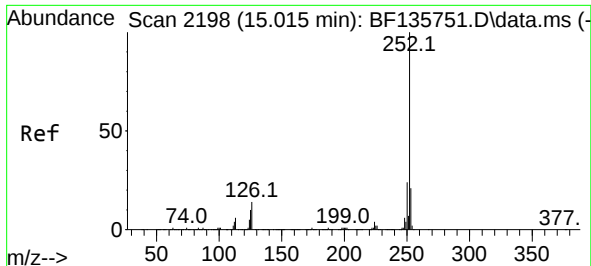
Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 10.8 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 4.557 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.035 min

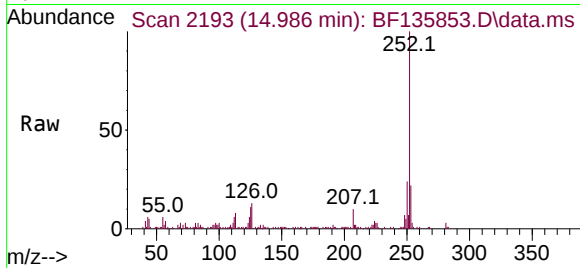
Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :



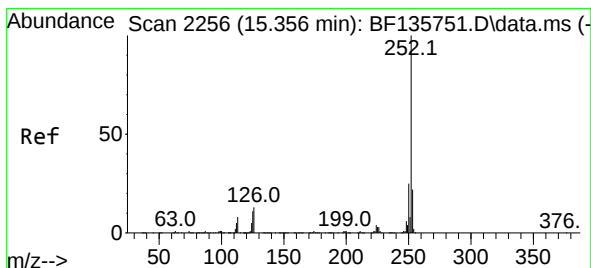
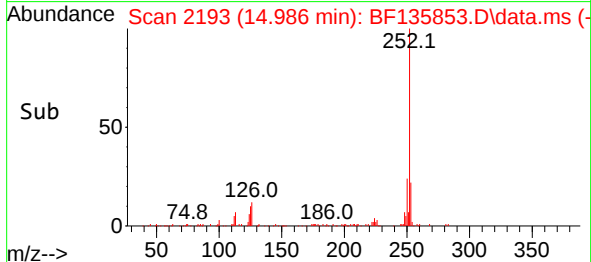
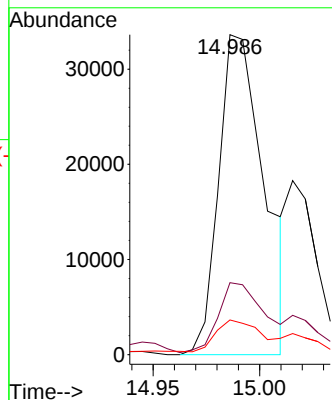
Tgt Ion:252 Resp: 49793

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 3.672 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

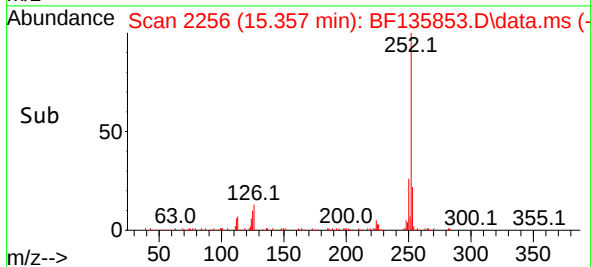
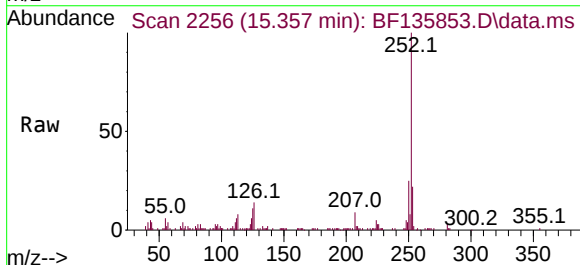
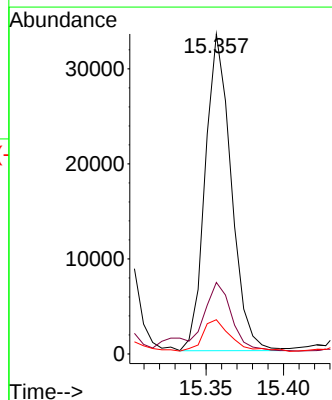
Tgt Ion:252 Resp: 38854

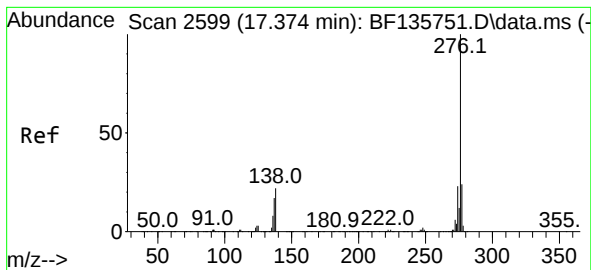
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 10.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 5.167 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.000 min

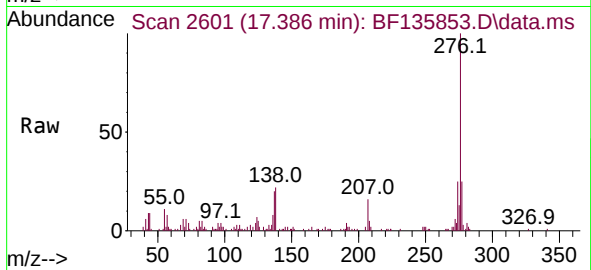
Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 47673

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 22.3 17.3 25.9

