

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135893.D
 Acq On : 19 Oct 2023 18:46
 Operator : CG\JU
 Sample : 04907-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101623

Quant Time: Oct 19 19:10:24 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)

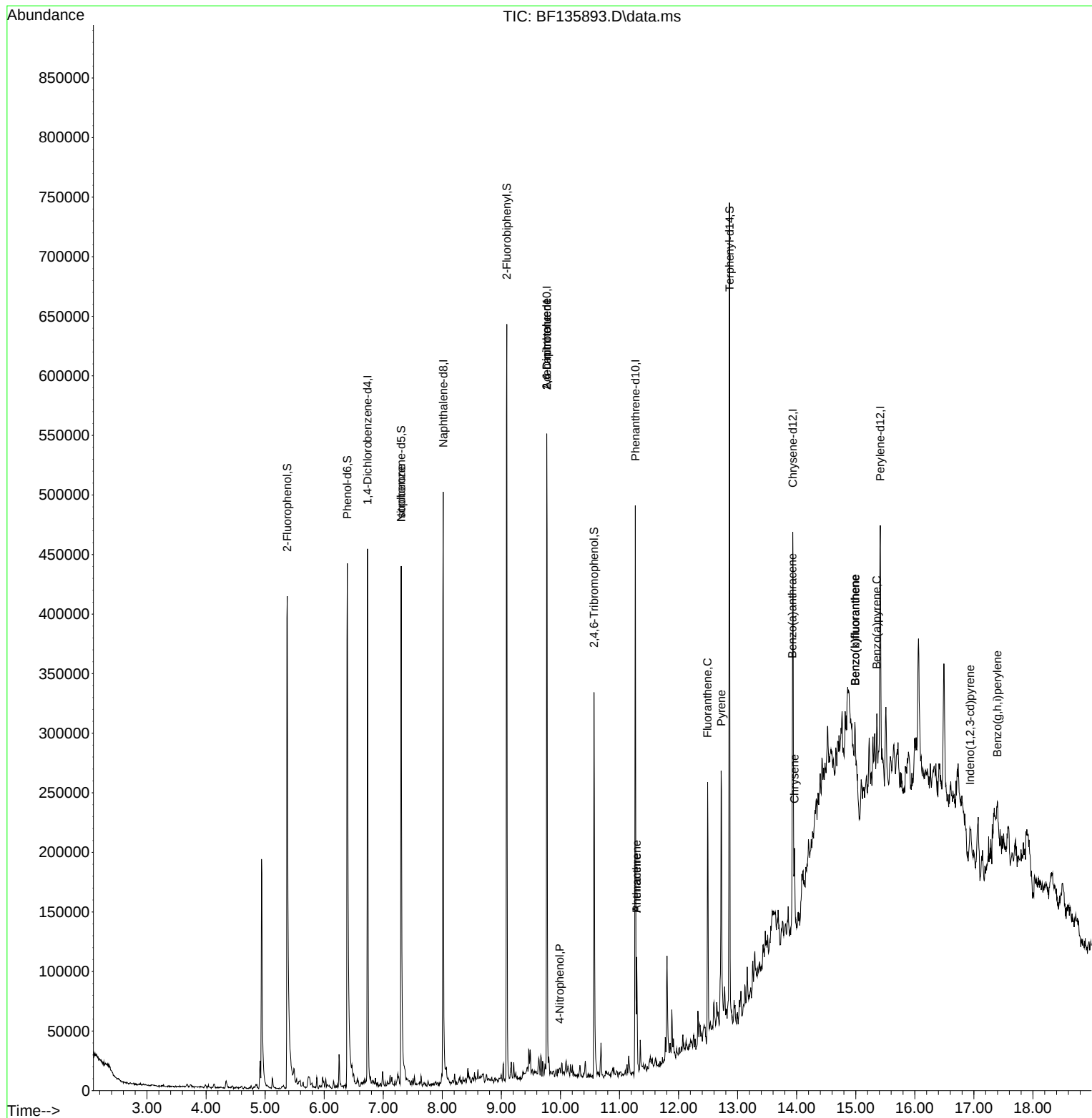
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	65636	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	222535	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	105893	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	164864	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	111552	20.000	ng	-0.02
86) Perylene-d12	15.415	264	102984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	179241	43.905	ng	0.00
7) Phenol-d6	6.392	99	208799	40.991	ng	0.00
23) Nitrobenzene-d5	7.304	82	154643	38.220	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	40267	39.628	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	199596	29.470	ng	-0.01
79) Terphenyl-d14	12.863	244	213352	35.419	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.304	82	154560	20.248	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	14652	9.531	ng	# 16
56) 4-Nitrophenol	9.986	139	815	6.371	ng	# 34
57) 2,4-Dinitrotoluene	9.769	165	14652	7.492	ng	# 24
71) Phenanthrene	11.292	178	34178	4.328	ng	97
72) Anthracene	11.292	178	34178	4.176	ng	96
75) Fluoranthene	12.492	202	89258	10.183	ng	99
78) Pyrene	12.721	202	89226	10.066	ng	97
81) Benzo(a)anthracene	13.927	228	30054	4.102	ng	96
83) Chrysene	13.962	228	27932	3.936	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	14529	2.589	ng	96
88) Benzo(b)fluoranthene	14.992	252	42757	7.418	ng	# 89
89) Benzo(k)fluoranthene	14.992	252	42757	7.641	ng	# 88
90) Benzo(a)pyrene	15.356	252	22598	4.170	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	18039	3.818	ng	93

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

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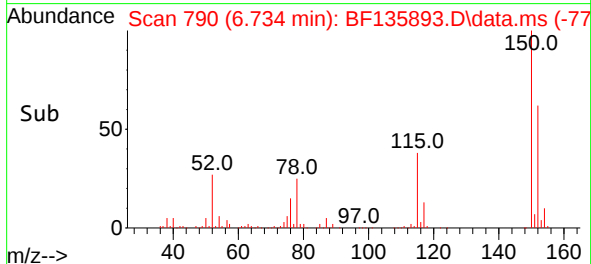
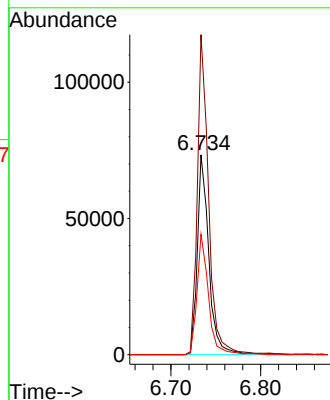
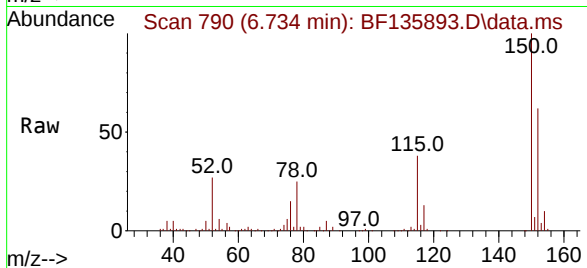




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.013 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

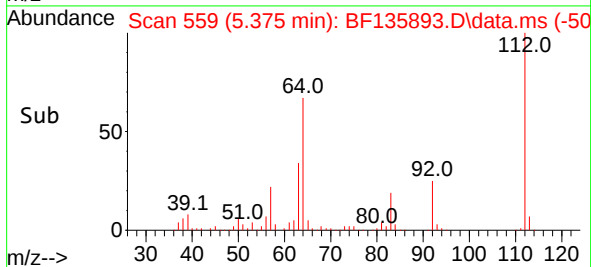
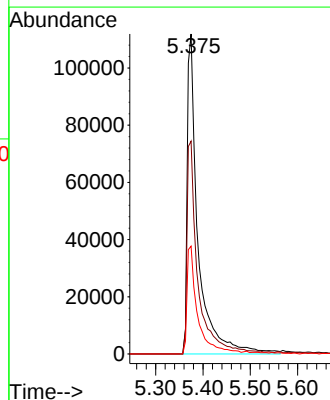
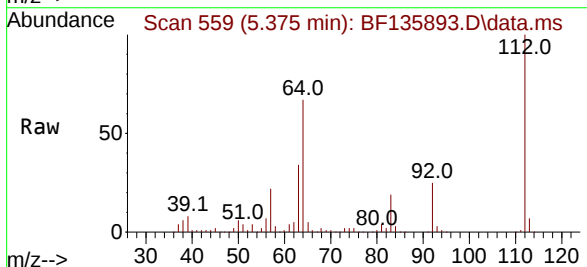
Instrument :
BNA_F
ClientSampleId :
OR-03-101623

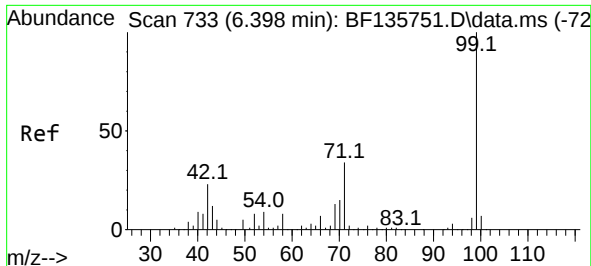
Tgt Ion:152 Resp: 65636
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 60.2 49.0 73.4



#5
2-Fluorophenol
Concen: 43.905 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

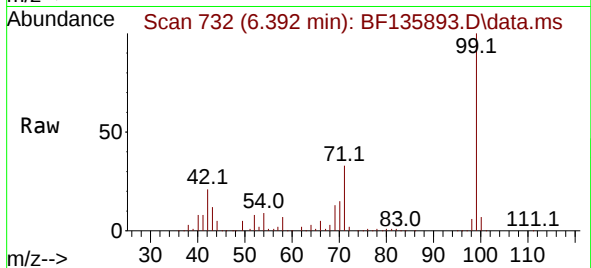
Tgt Ion:112 Resp: 179241
Ion Ratio Lower Upper
112 100
64 66.5 51.2 76.8
63 33.7 26.1 39.1



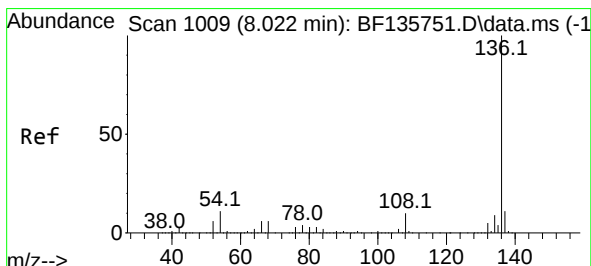
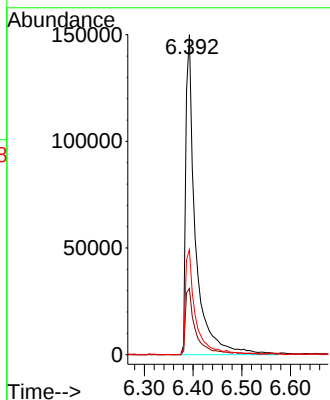
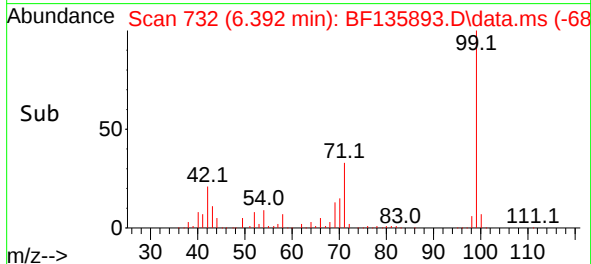


#7
Phenol-d6
Concen: 40.991 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
OR-03-101623

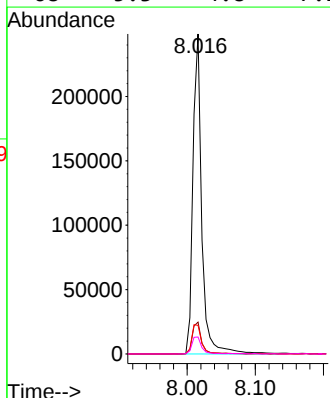
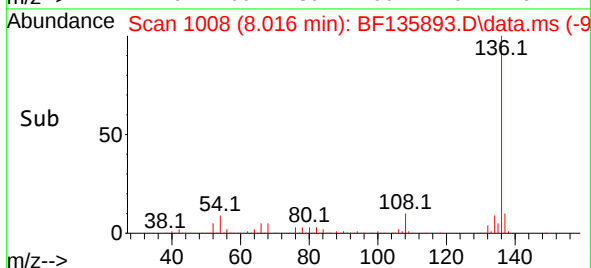
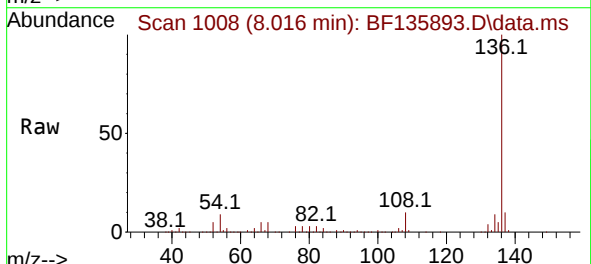


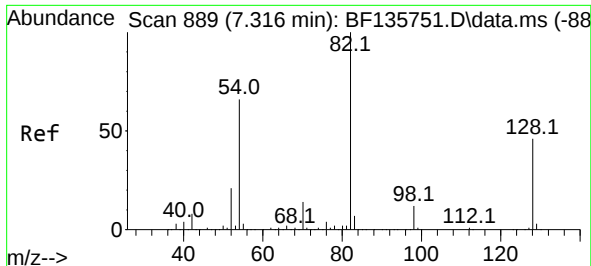
Tgt Ion: 99 Resp: 208799
Ion Ratio Lower Upper
99 100
42 20.7 18.4 27.6
71 32.8 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:136 Resp: 222535
Ion Ratio Lower Upper
136 100
137 9.9 8.6 12.8
54 8.9 8.5 12.7
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 38.220 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

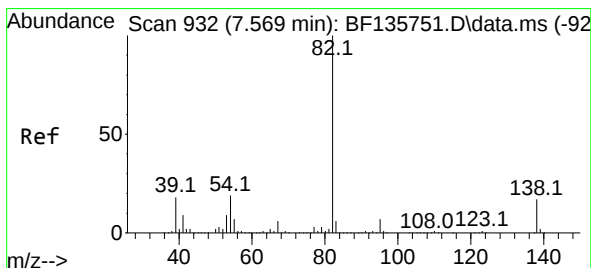
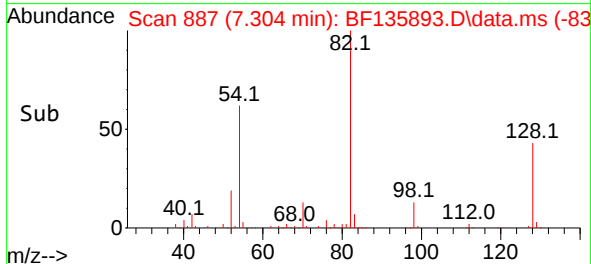
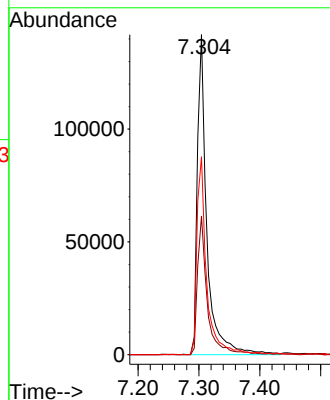
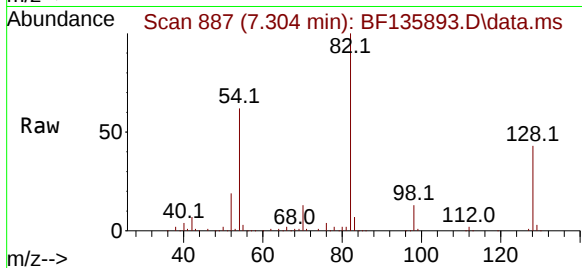
Tgt Ion: 82 Resp: 154643

Ion Ratio Lower Upper

82 100

128 43.3 37.0 55.6

54 61.8 52.8 79.2



#25

Isophorone

Concen: 20.248 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

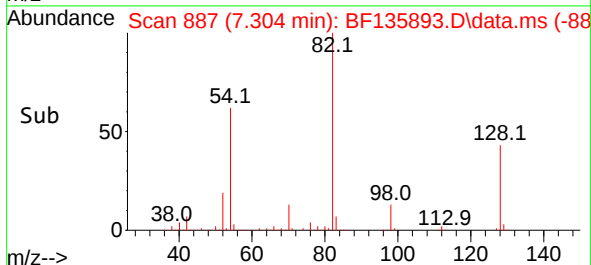
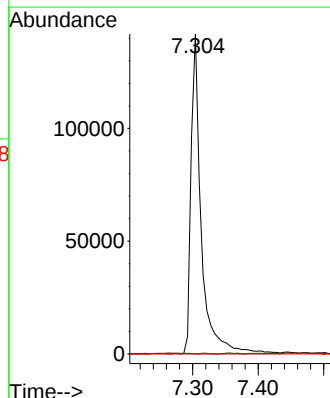
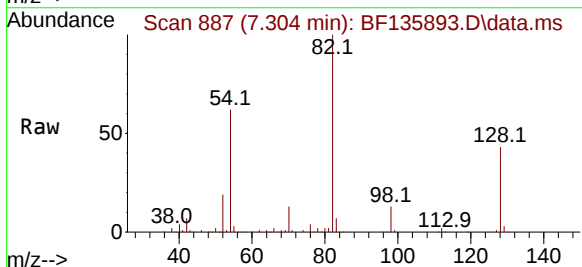
Tgt Ion: 82 Resp: 154560

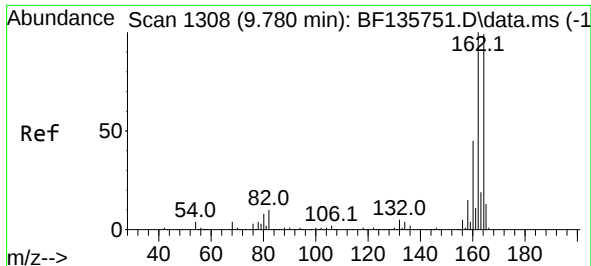
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

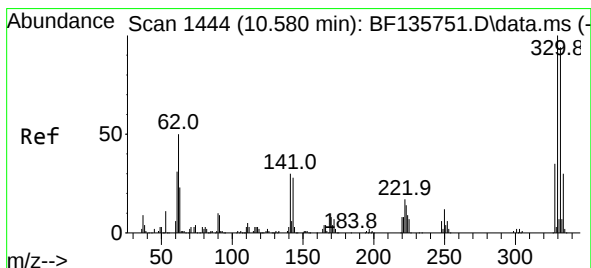
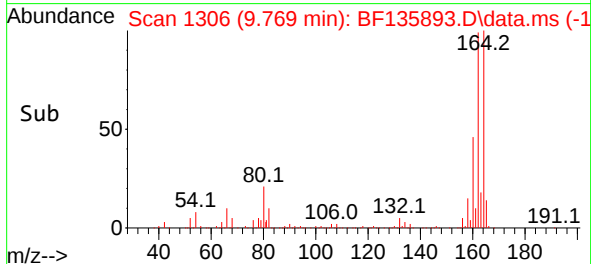
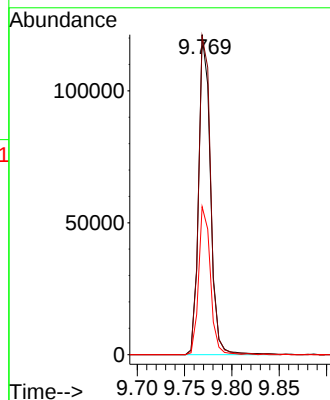
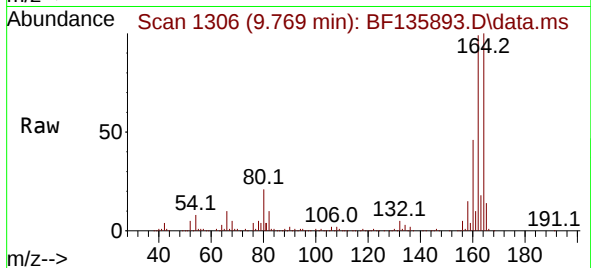
Tgt Ion:164 Resp: 105893

Ion Ratio Lower Upper

164 100

162 99.5 80.8 121.2

160 46.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 39.628 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

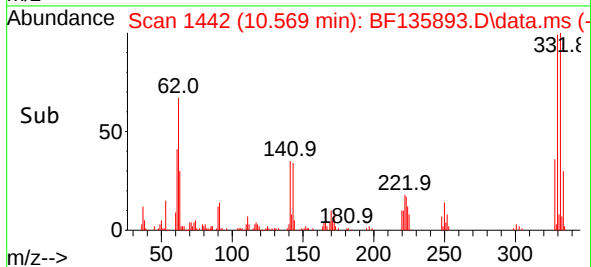
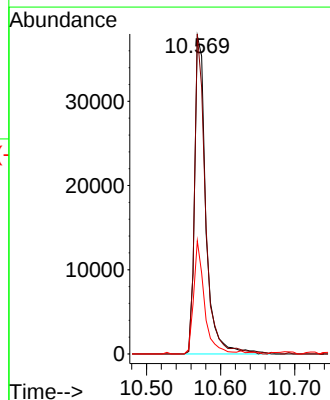
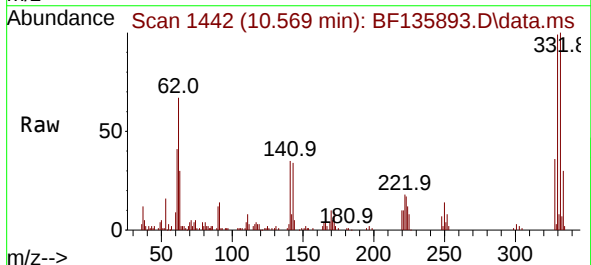
Tgt Ion:330 Resp: 40267

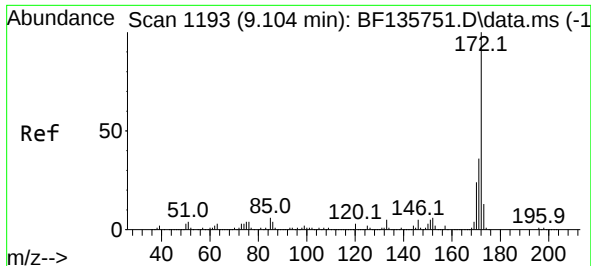
Ion Ratio Lower Upper

330 100

332 96.3 75.0 112.4

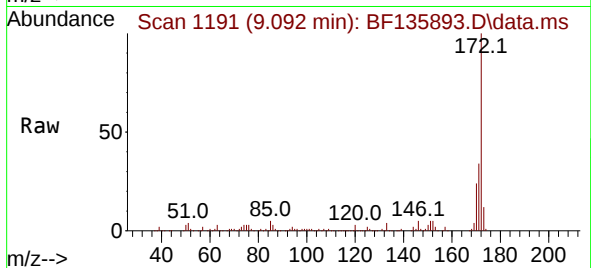
141 33.7 25.8 38.6



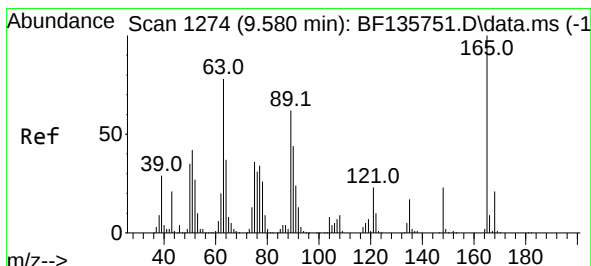
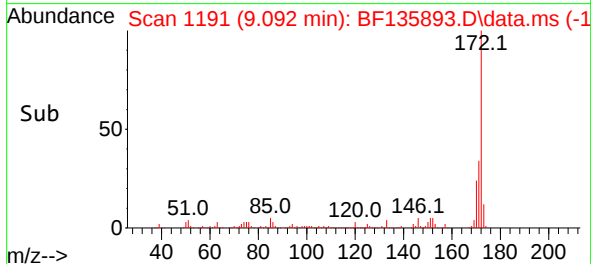
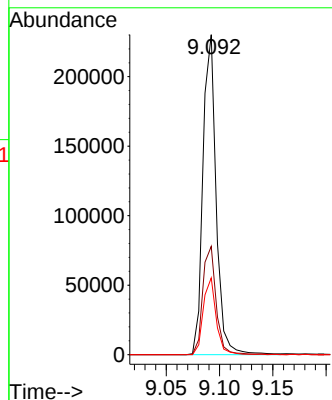


#45
2-Fluorobiphenyl
Concen: 29.470 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
OR-03-101623

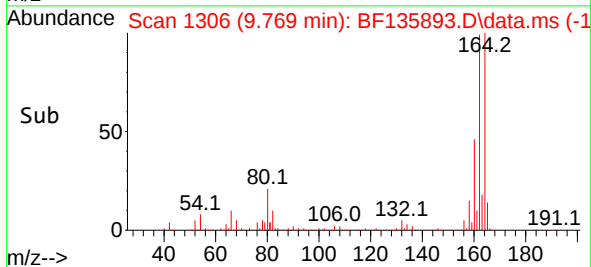
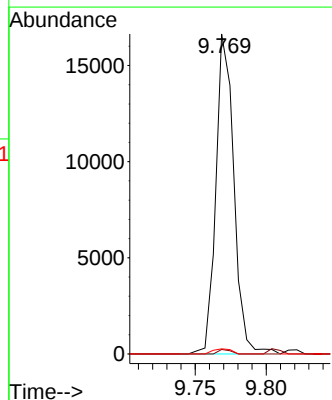
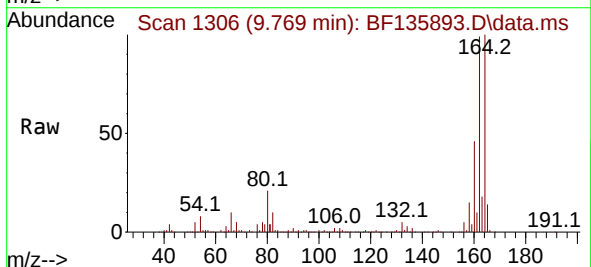


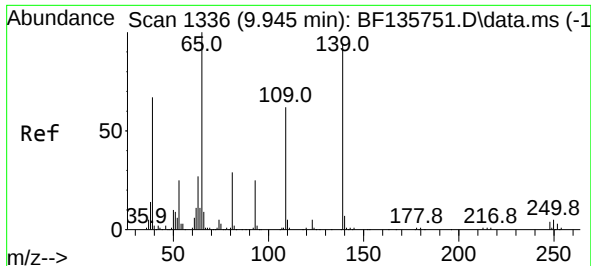
Tgt Ion:172 Resp: 199596
Ion Ratio Lower Upper
172 100
171 33.9 28.4 42.6
170 24.0 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.531 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.182 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:165 Resp: 14652
Ion Ratio Lower Upper
165 100
63 1.4 62.2 93.4#
89 1.6 49.6 74.4#

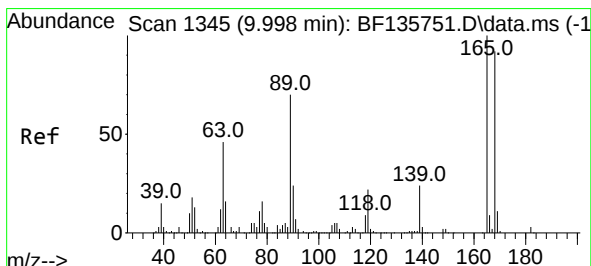
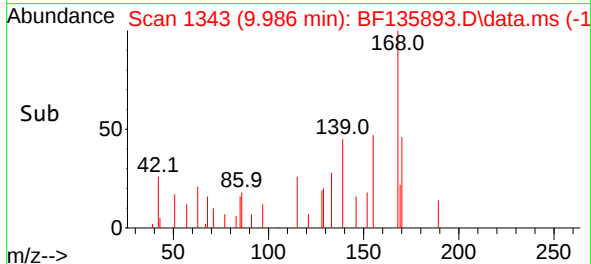
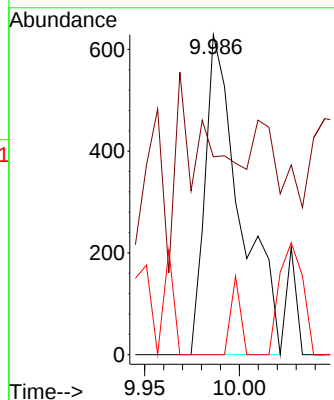
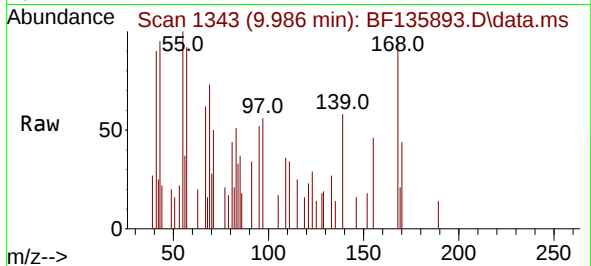




#56
4-Nitrophenol
Concen: 6.371 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

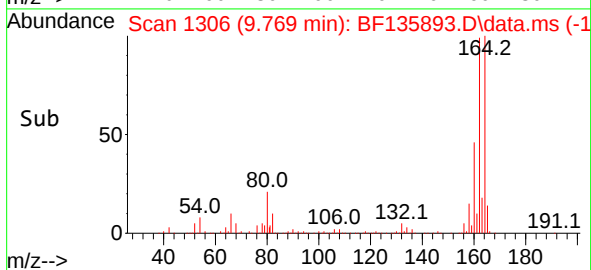
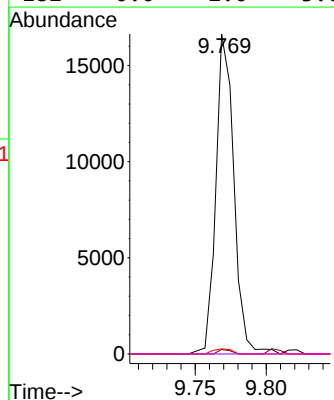
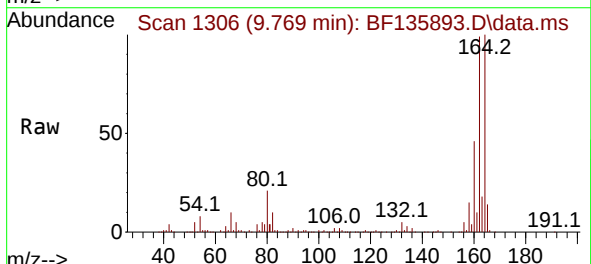
Instrument :
BNA_F
ClientSampleId :
OR-03-101623

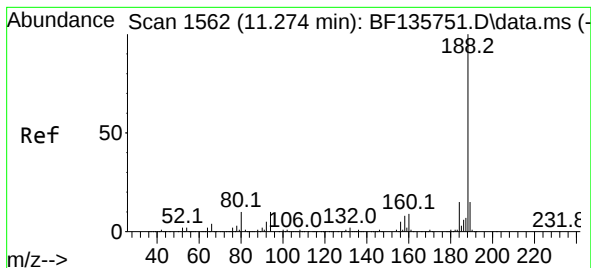
Tgt Ion:139 Resp: 815
Ion Ratio Lower Upper
139 100
109 61.8 45.6 85.6
65 0.0 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 7.492 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.236 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:165 Resp: 14652
Ion Ratio Lower Upper
165 100
63 1.4 39.0 58.4#
89 1.6 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: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

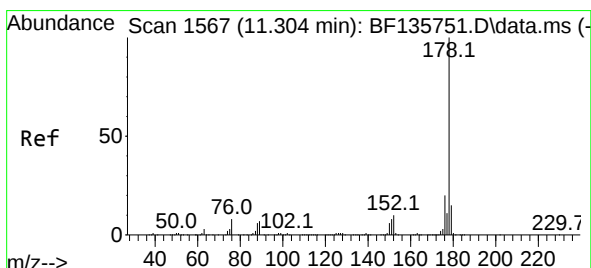
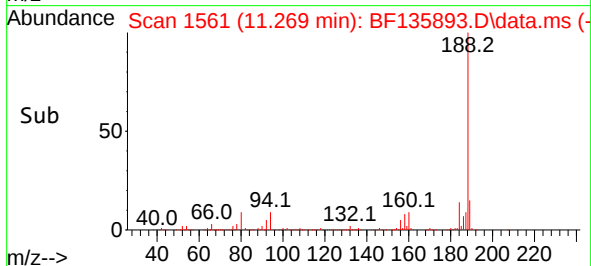
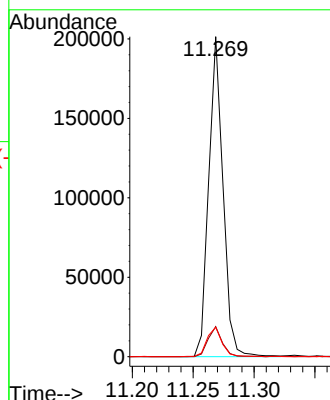
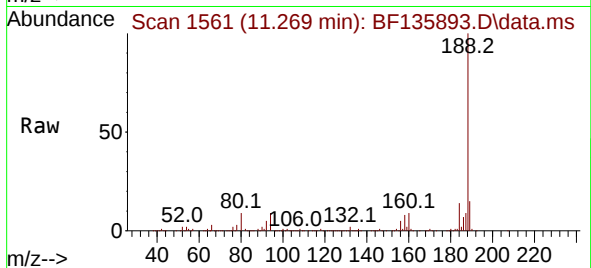
Tgt Ion:188 Resp: 164864

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

80 9.2 8.3 12.5



#71

Phenanthrene

Concen: 4.328 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

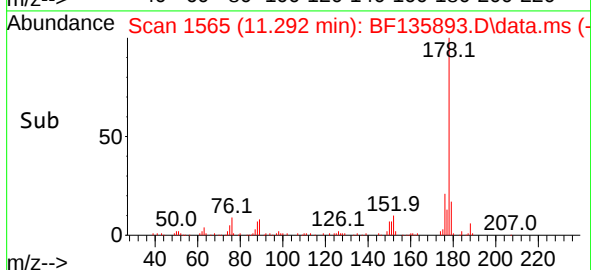
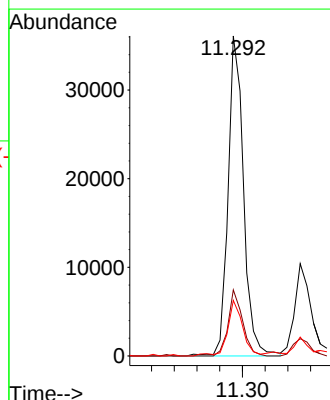
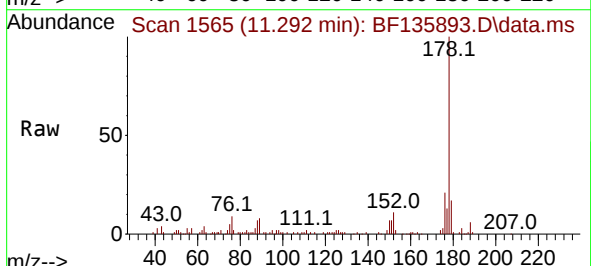
Tgt Ion:178 Resp: 34178

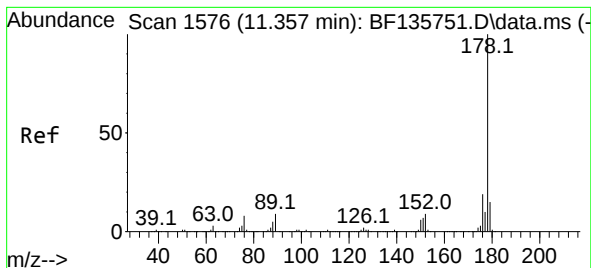
Ion Ratio Lower Upper

178 100

176 20.6 16.0 24.0

179 17.4 12.2 18.4





#72

Anthracene

Concen: 4.176 ng

RT: 11.292 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

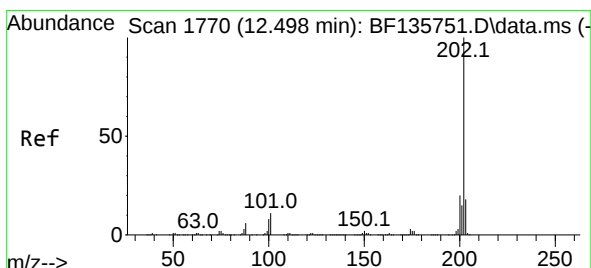
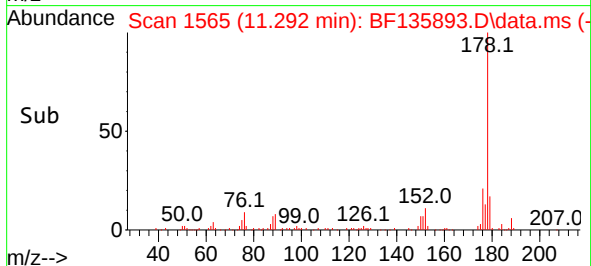
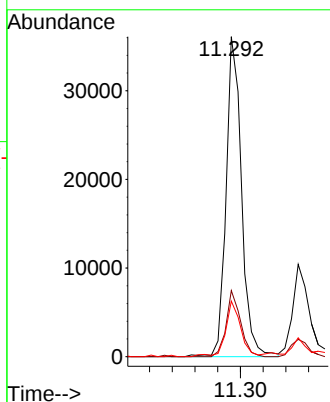
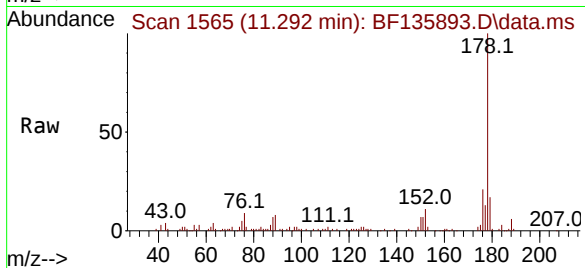
Tgt Ion:178 Resp: 34178

Ion Ratio Lower Upper

178 100

176 20.6 15.1 22.7

179 17.4 12.3 18.5



#75

Fluoranthene

Concen: 10.183 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

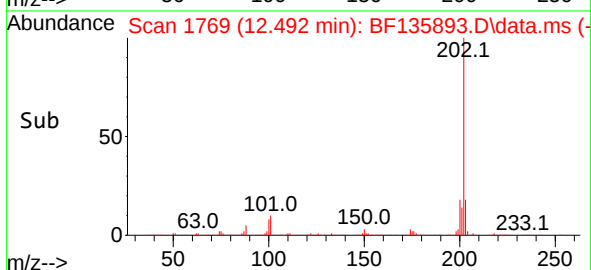
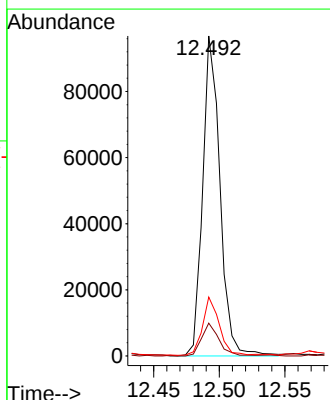
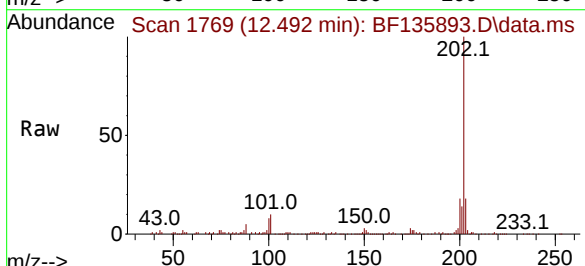
Tgt Ion:202 Resp: 89258

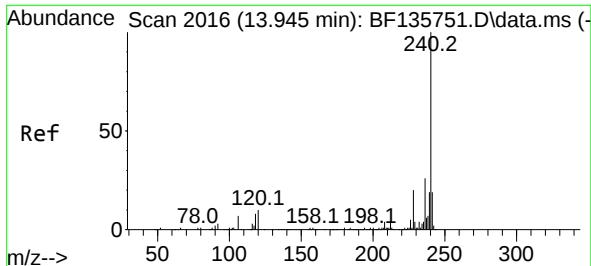
Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.5

203 18.4 0.0 38.3

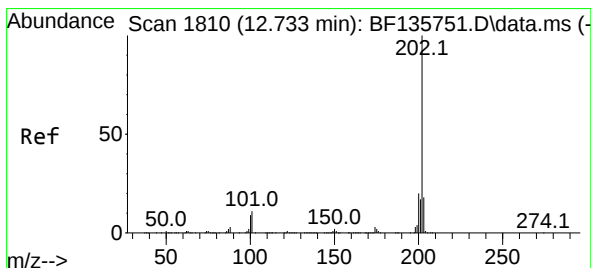
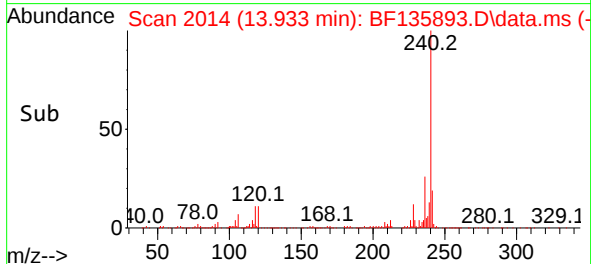
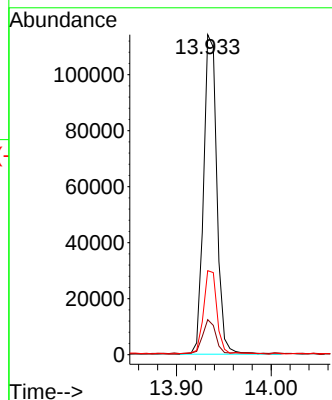
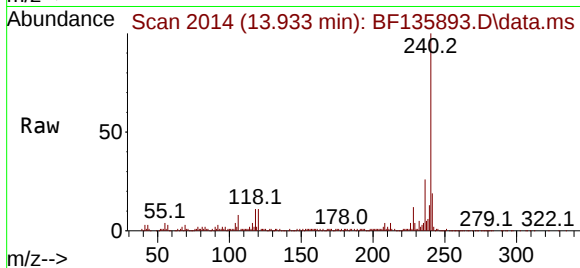




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

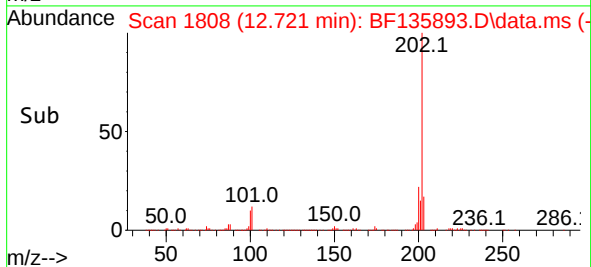
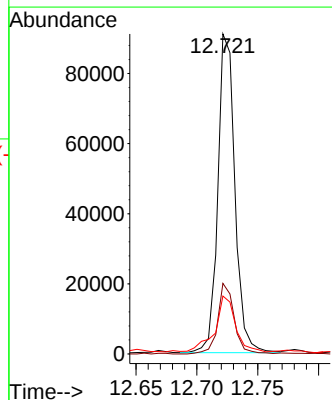
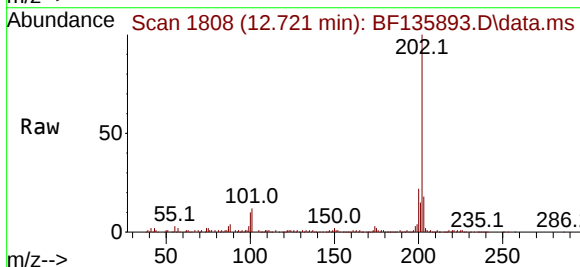
Instrument :
BNA_F
ClientSampleId :
OR-03-101623

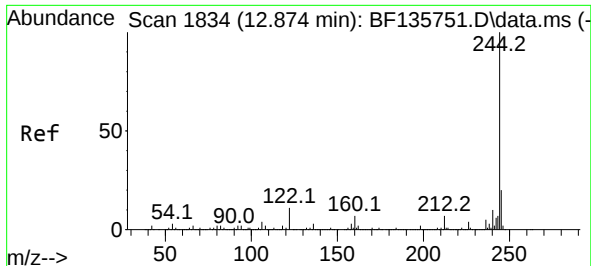
Tgt Ion:240 Resp: 111552
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 26.2 21.2 31.8



#78
Pyrene
Concen: 10.066 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135893.D
Acq: 19 Oct 2023 18:46

Tgt Ion:202 Resp: 89226
Ion Ratio Lower Upper
202 100
200 22.1 16.1 24.1
203 18.1 14.2 21.2

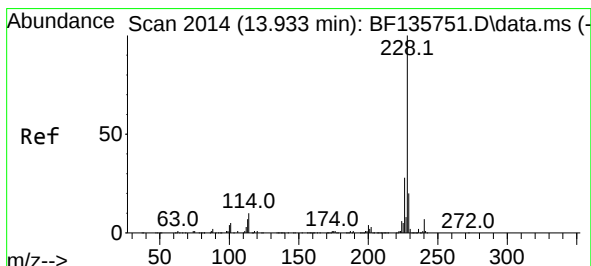
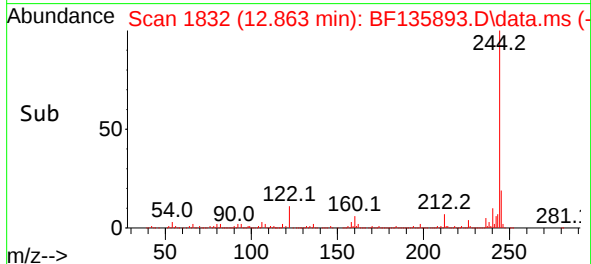
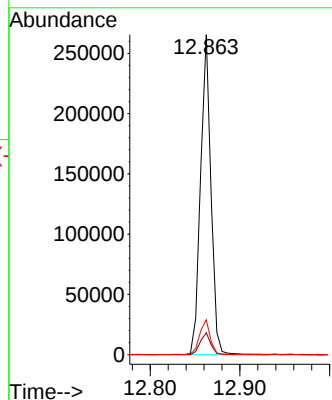
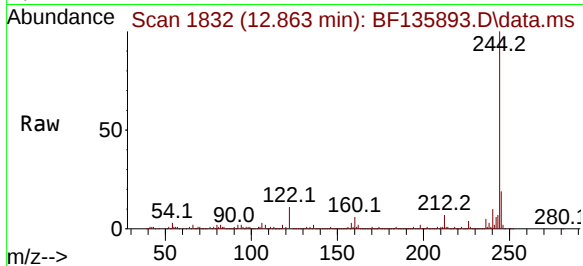




#79
 Terphenyl-d14
 Concen: 35.419 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135893.D
 Acq: 19 Oct 2023 18:46

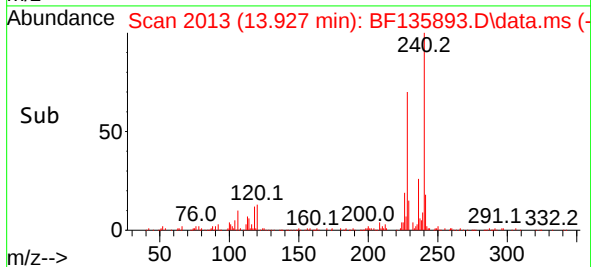
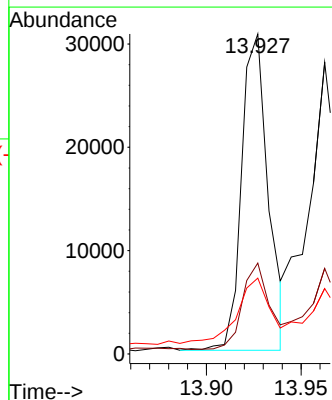
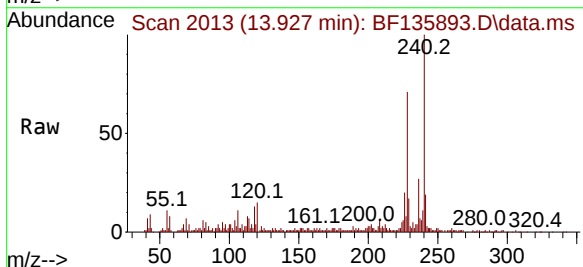
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101623

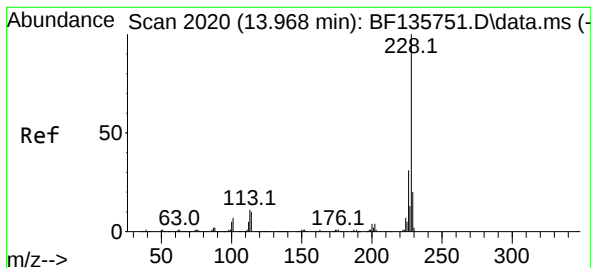
Tgt Ion:244 Resp: 213352
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.9 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 4.102 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135893.D
 Acq: 19 Oct 2023 18:46

Tgt Ion:228 Resp: 30054
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.2 33.2
 229 23.7 16.1 24.1





#83

Chrysene

Concen: 3.936 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

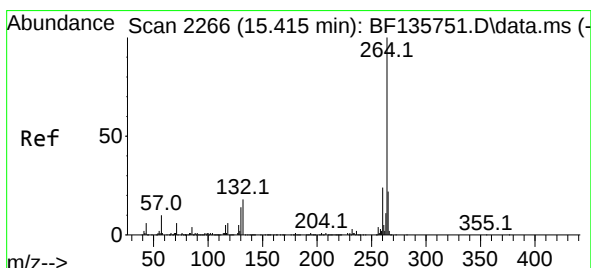
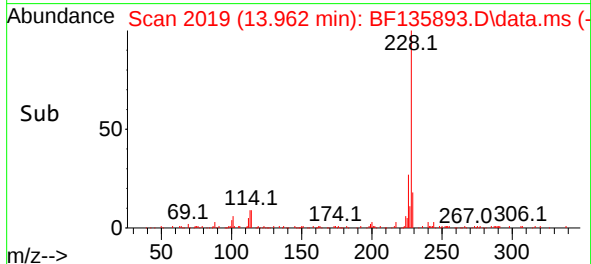
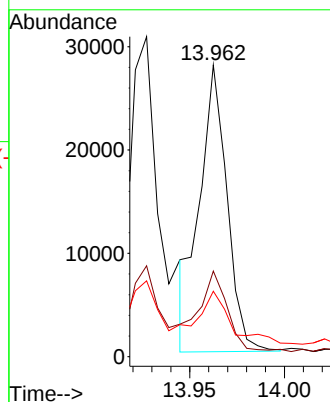
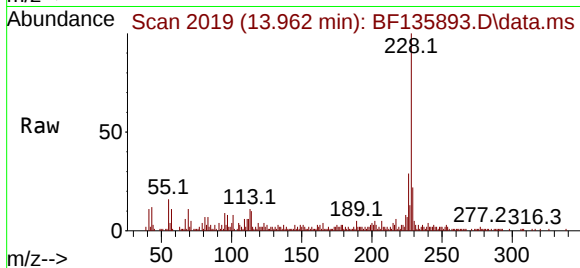
Tgt Ion:228 Resp: 27932

Ion Ratio Lower Upper

228 100

226 29.3 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: BF135893.D

Acq: 19 Oct 2023 18:46

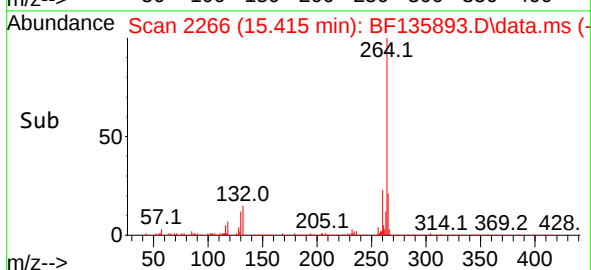
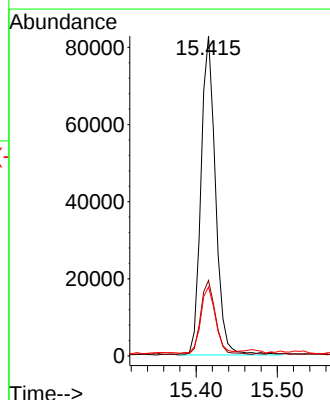
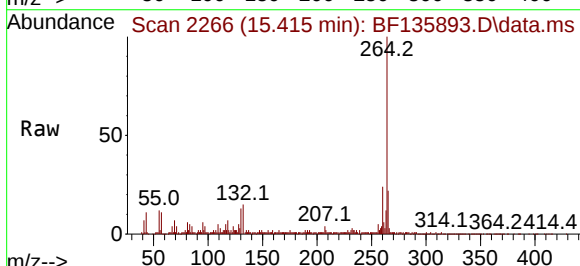
Tgt Ion:264 Resp: 102984

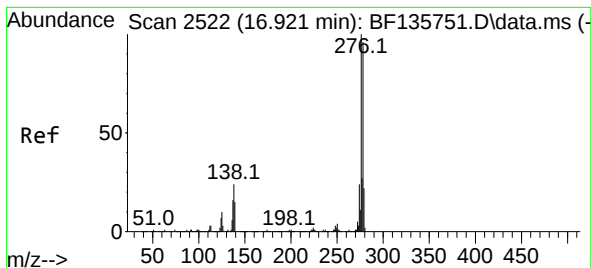
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.589 ng

RT: 16.939 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

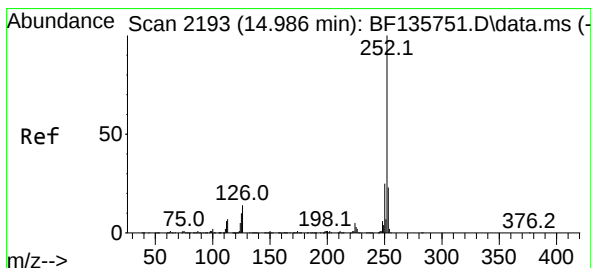
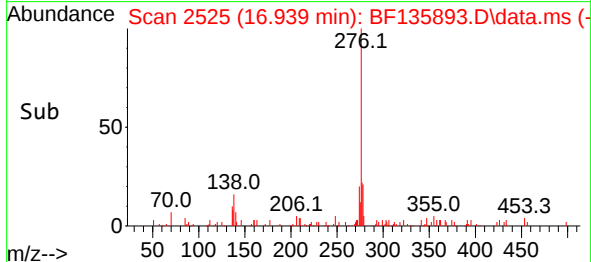
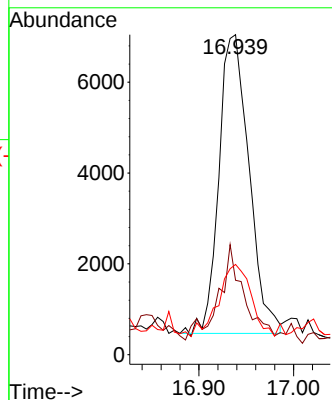
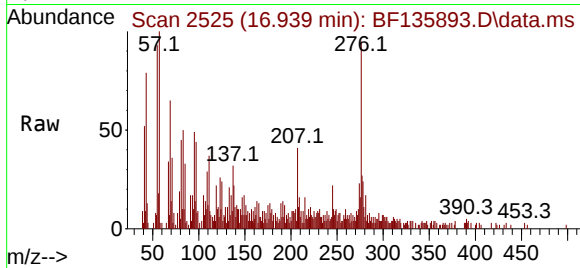
Tgt Ion:276 Resp: 14529

Ion Ratio Lower Upper

276 100

138 21.8 19.8 29.6

277 26.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 7.418 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

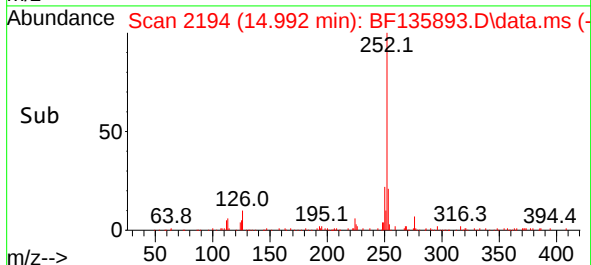
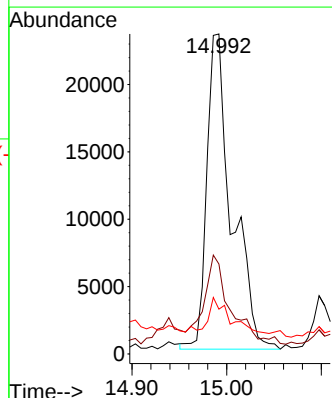
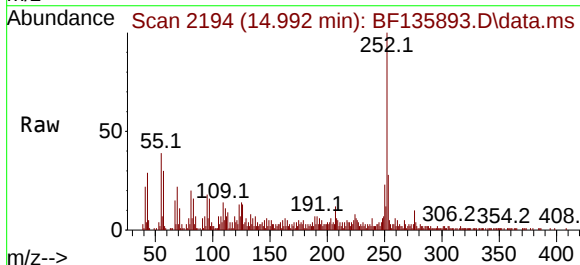
Tgt Ion:252 Resp: 42757

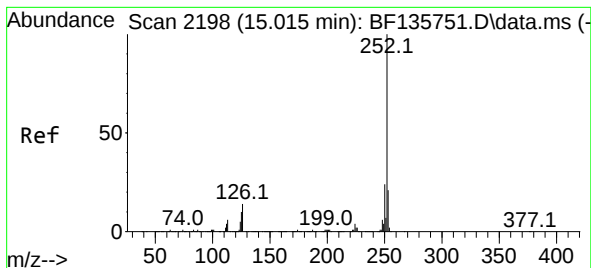
Ion Ratio Lower Upper

252 100

253 28.1 18.2 27.2#

125 14.0 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 7.641 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623

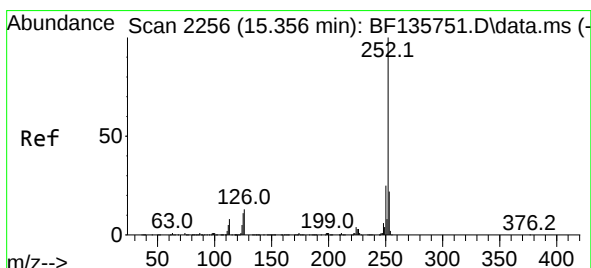
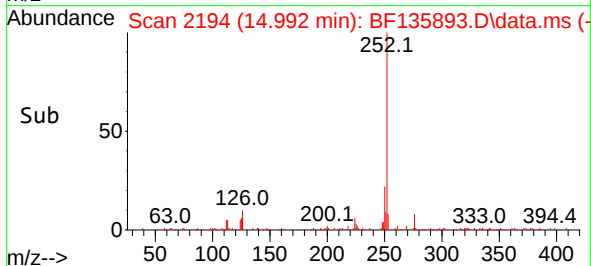
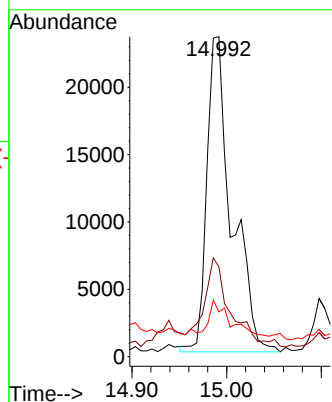
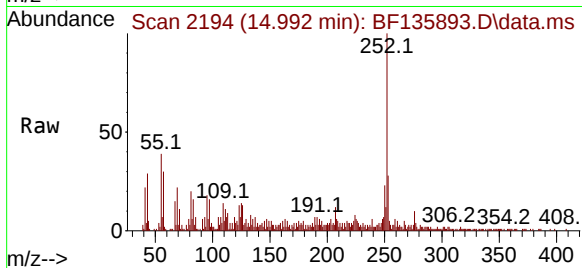
Tgt Ion:252 Resp: 42757

Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.0#

125 14.0 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.170 ng

RT: 15.356 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF135893.D

Acq: 19 Oct 2023 18:46

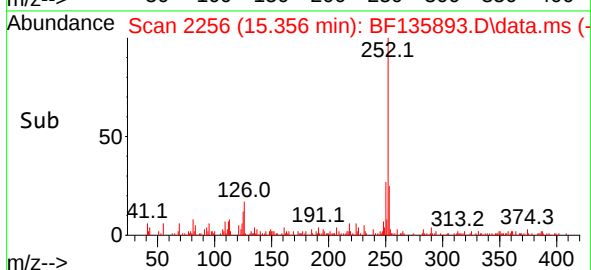
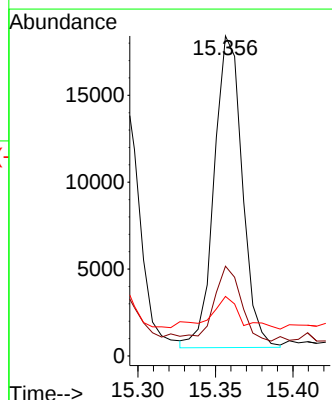
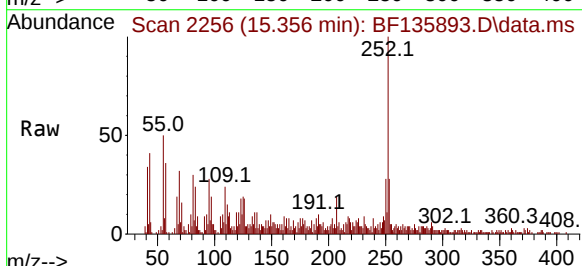
Tgt Ion:252 Resp: 22598

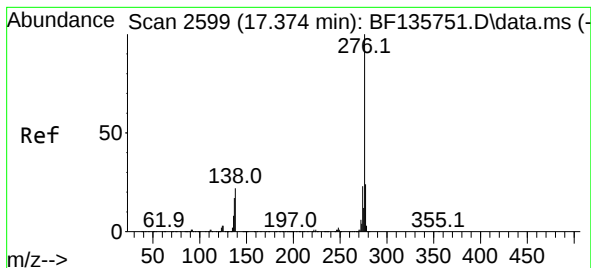
Ion Ratio Lower Upper

252 100

253 28.0 17.4 26.2#

125 18.6 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 3.818 ng

RT: 17.398 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF135893.D

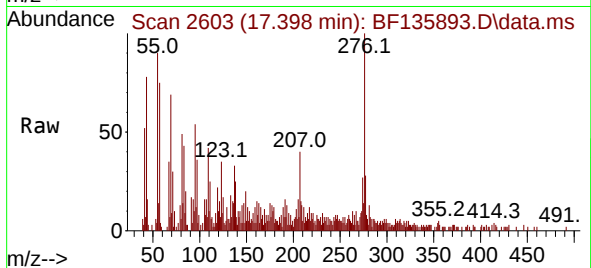
Acq: 19 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

OR-03-101623



Tgt Ion:276 Resp: 18039

Ion Ratio Lower Upper

276 100

277 27.9 19.4 29.2

138 25.2 17.3 25.9

