

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134559.D
 Acq On : 01 Aug 2023 20:59
 Operator : CG\JU
 Sample : 03741-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-P6BRE

Quant Time: Aug 02 02:46:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

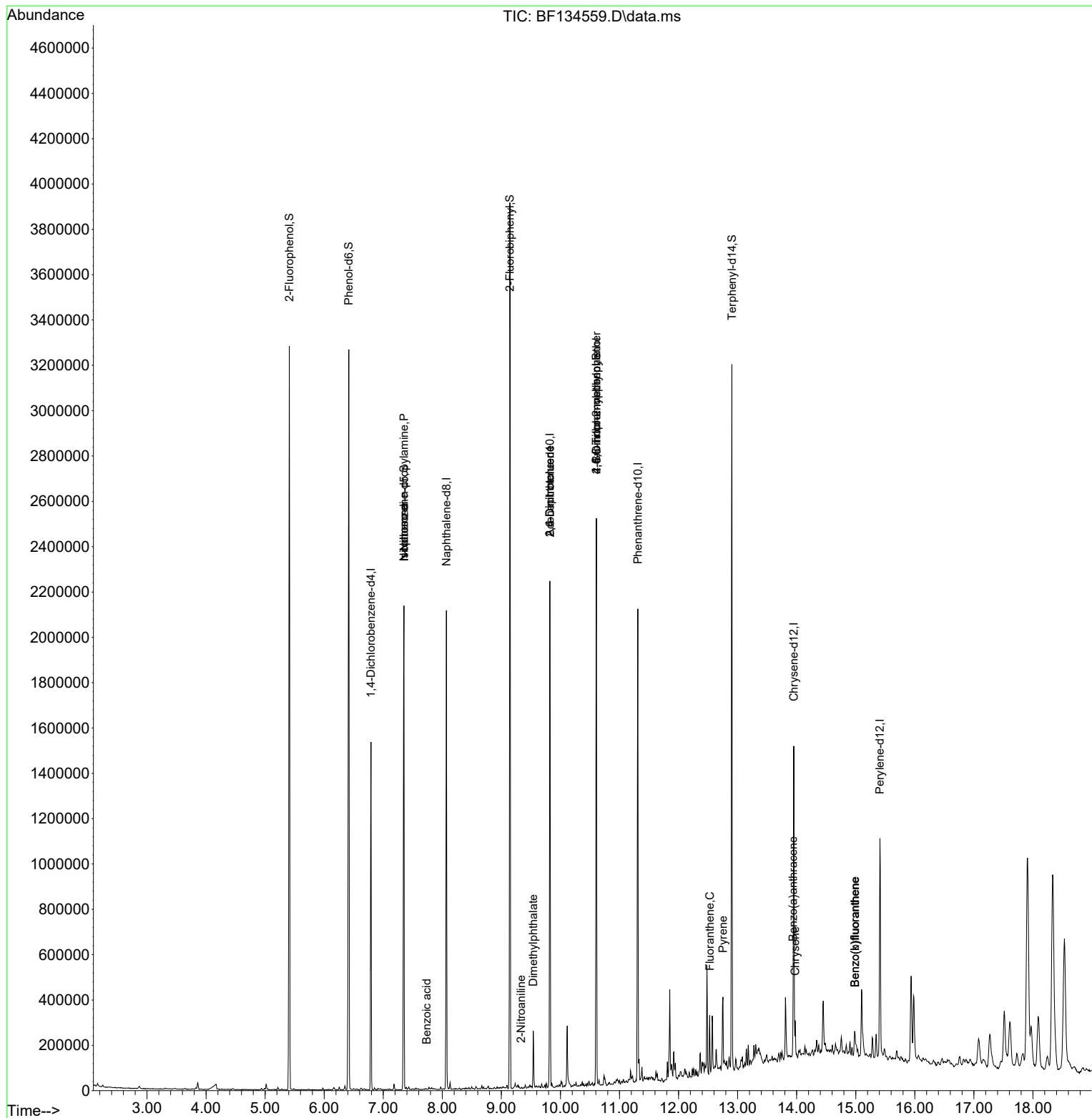
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	202477	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	809307	20.000	ng	# 0.00
39) Acenaphthene-d10	9.821	164	397360	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	695715	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	406496	20.000	ng	#-0.01
86) Perylene-d12	15.409	264	441223	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	884194	66.381	ng	0.00
7) Phenol-d6	6.416	99	1131489	66.453	ng	-0.01
23) Nitrobenzene-d5	7.351	82	631453	48.759	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	283204	69.915	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1140054	47.704	ng	0.00
79) Terphenyl-d14	12.904	244	995776	43.184	ng	0.00
Target Compounds						
9) Benzaldehyde	6.339	77	652	Below Cal		Qvalue # 74
19) n-Nitroso-di-n-propyla...	7.351	70	85423	8.379	ng	# 73
25) Isophorone	7.351	82	631433	22.355	ng	# 65
32) Benzoic acid	7.733	122	576	7.926	ng	89
48) 2-Nitroaniline	9.333	65	172	3.188	ng	# 8
50) Dimethylphthalate	9.539	163	85097	3.142	ng	98
51) 2,6-Dinitrotoluene	9.821	165	53640	11.659	ng	# 17
57) 2,4-Dinitrotoluene	9.821	165	53640	10.379	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	647	8.887	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	17775	2.334	ng	# 1
75) Fluoranthene	12.527	202	87370	2.238	ng	98
78) Pyrene	12.751	202	129564	3.683	ng	98
81) Benzo(a)anthracene	13.939	228	58865	2.025	ng	97
83) Chrysene	13.974	228	59621	2.105	ng	97
88) Benzo(b)fluoranthene	14.986	252	73316	2.725	ng	# 90
89) Benzo(k)fluoranthene	14.986	252	73316	2.735	ng	# 92

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

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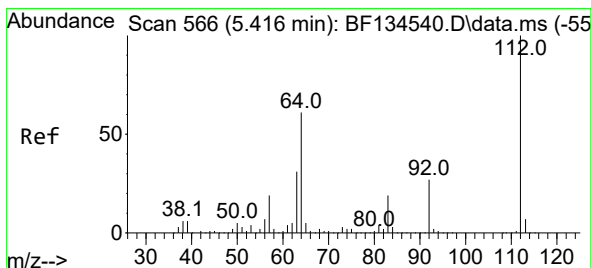
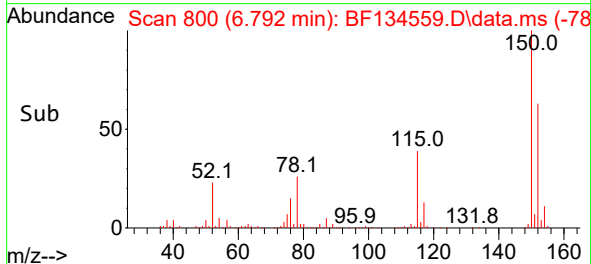
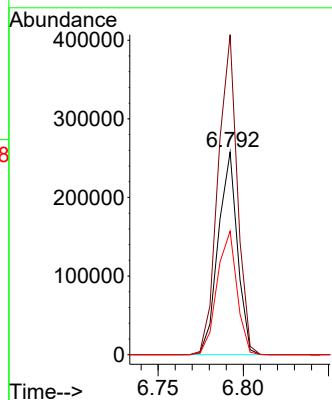
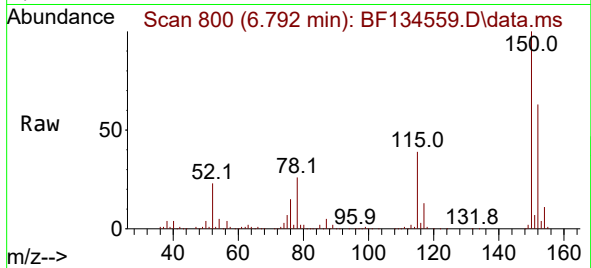




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134559.D
 Acq: 01 Aug 2023 20:59

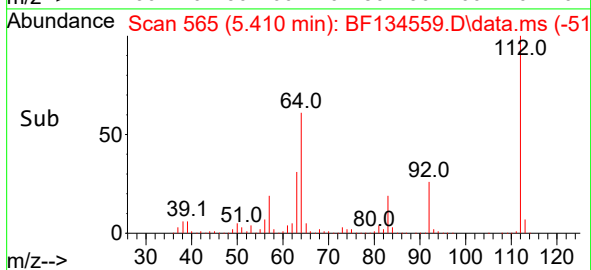
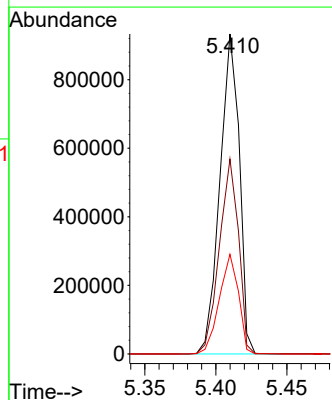
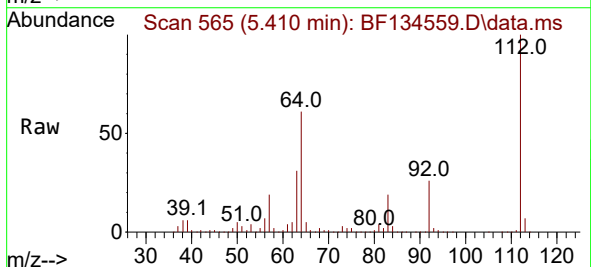
Instrument :
 BNA_F
 ClientSampleId :
 B-P6BRE

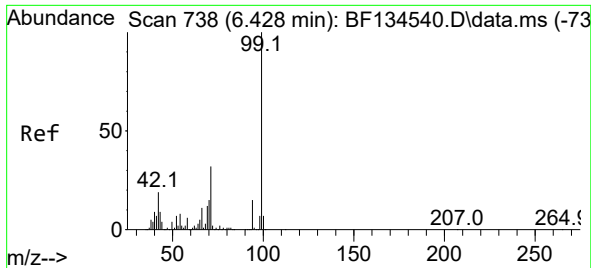
Tgt Ion:152 Resp: 202477
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.3 192.5
 115 60.9 52.4 78.6



#5
 2-Fluorophenol
 Concen: 66.381 ng
 RT: 5.410 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: BF134559.D
 Acq: 01 Aug 2023 20:59

Tgt Ion:112 Resp: 884194
 Ion Ratio Lower Upper
 112 100
 64 60.9 44.9 67.3
 63 31.2 25.4 38.0

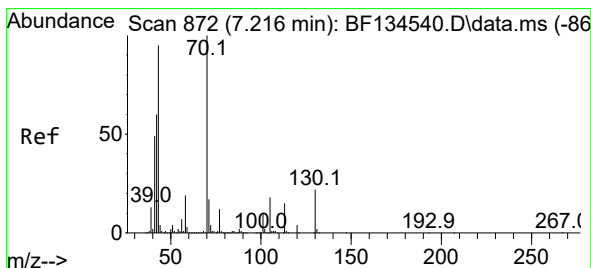
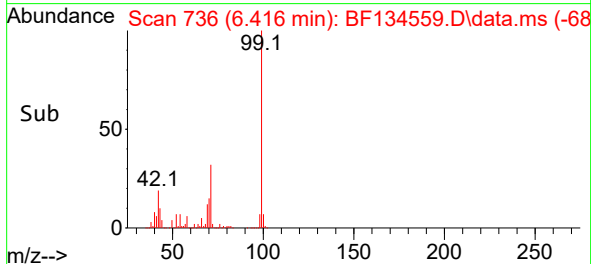
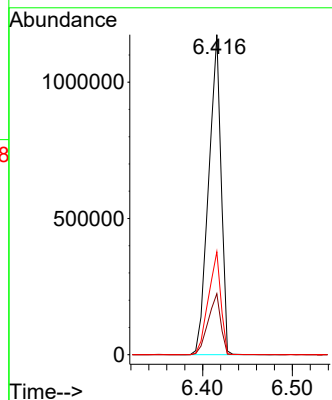
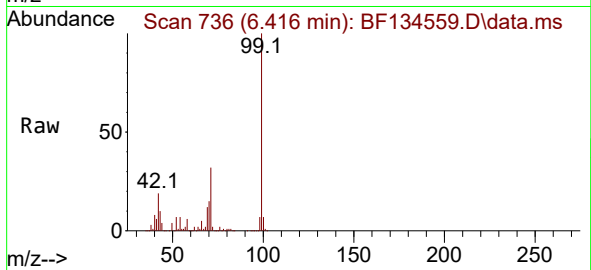




#7
Phenol-d6
Concen: 66.453 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

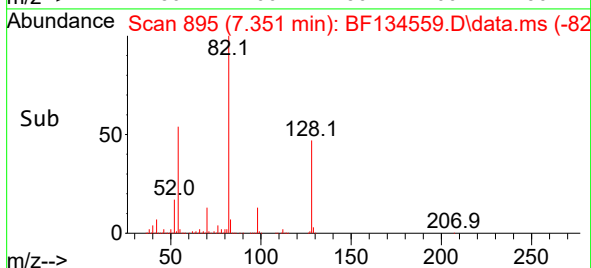
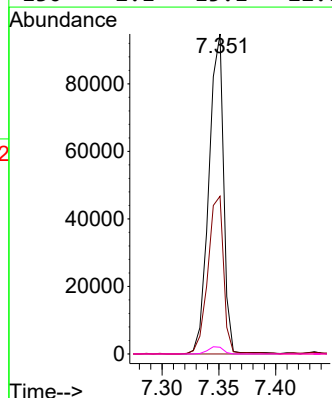
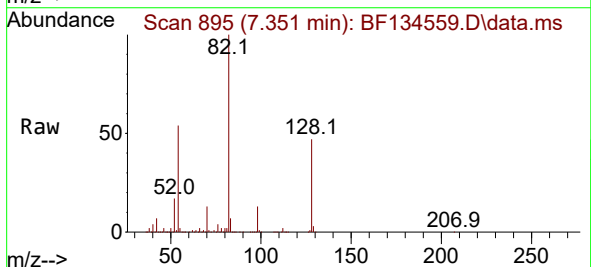
Instrument :
BNA_F
ClientSampleId :
B-P6BRE

Tgt Ion: 99 Resp: 1131489
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.2 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.379 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion: 70 Resp: 85423
Ion Ratio Lower Upper
70 100
42 49.3 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#

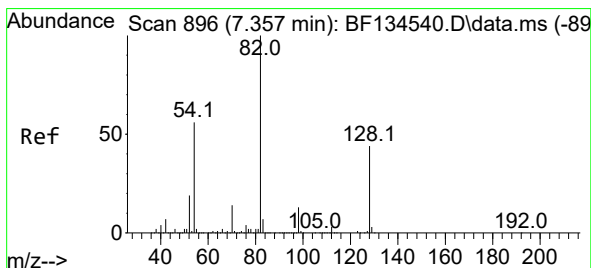
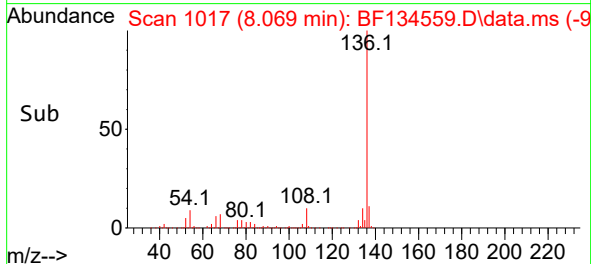
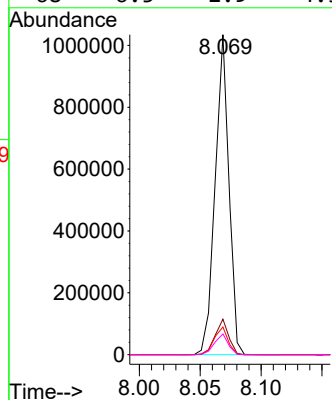
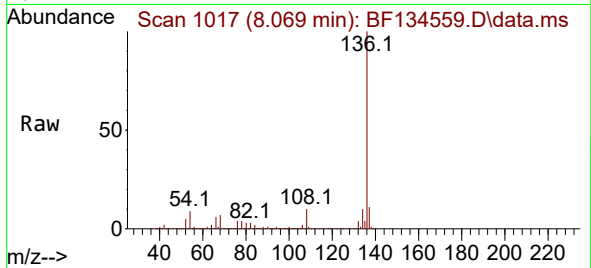




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

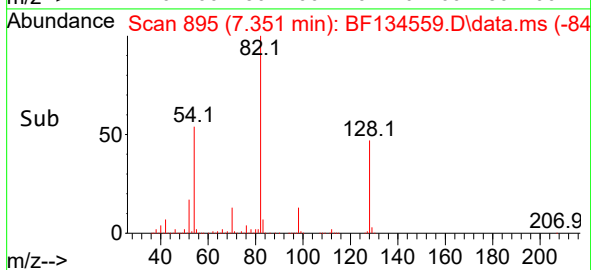
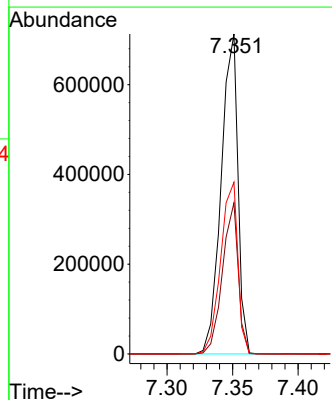
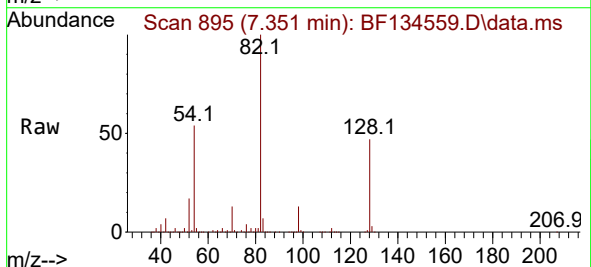
Instrument :
BNA_F
ClientSampleId :
B-P6BRE

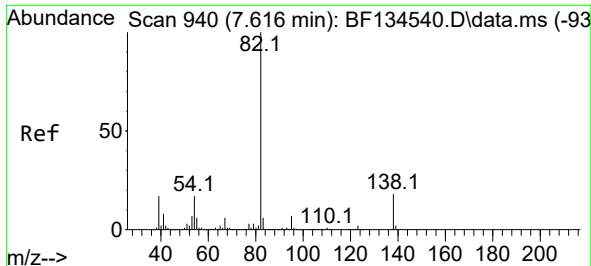
Tgt Ion:136 Resp: 809307
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.7 5.2 7.8#
68 6.5 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 48.759 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion: 82 Resp: 631453
Ion Ratio Lower Upper
82 100
128 47.2 34.3 51.5
54 53.6 43.8 65.6

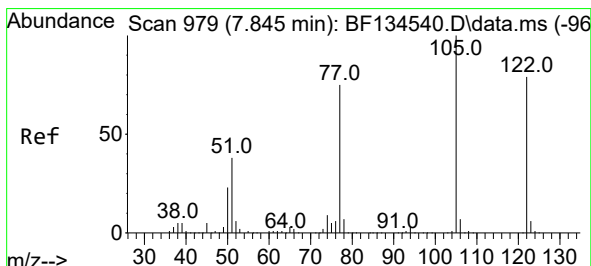
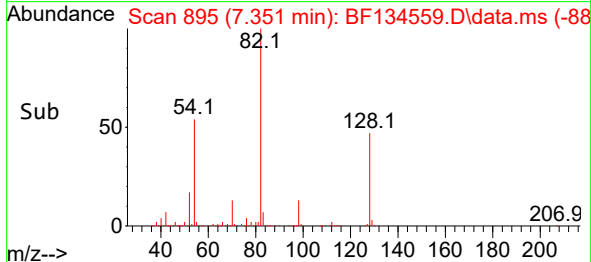
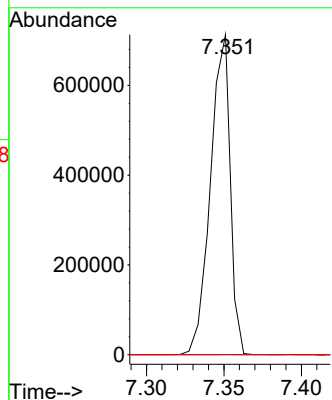
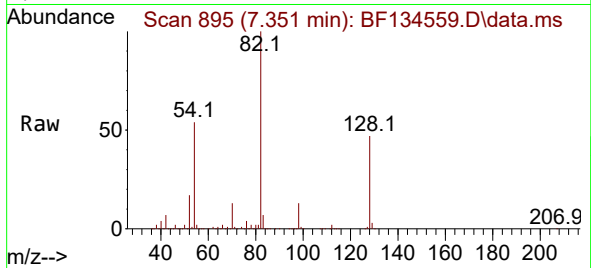




#25
Isophorone
Concen: 22.355 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

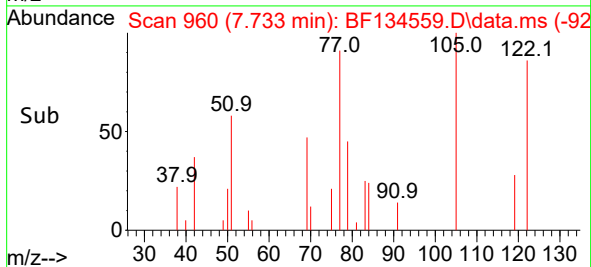
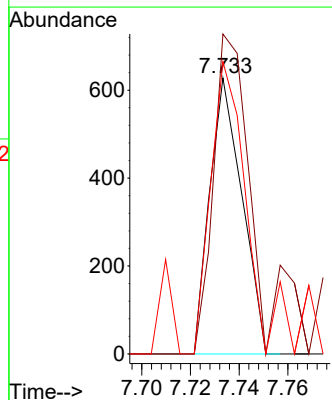
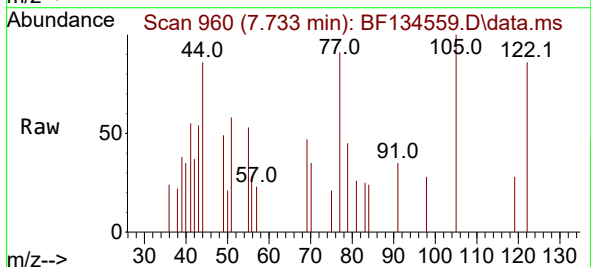
Instrument :
BNA_F
ClientSampleId :
B-P6BRE

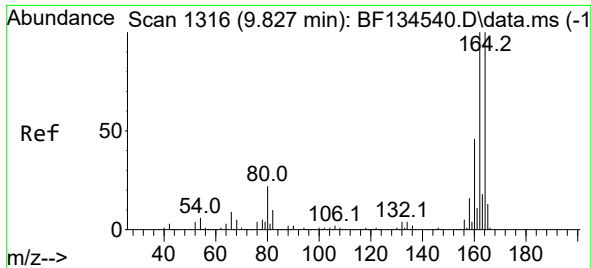
Tgt Ion: 82 Resp: 631433
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.926 ng
RT: 7.733 min Scan# 960
Delta R.T. -0.112 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion: 122 Resp: 576
Ion Ratio Lower Upper
122 100
105 115.9 87.5 127.5
77 105.9 71.4 111.4

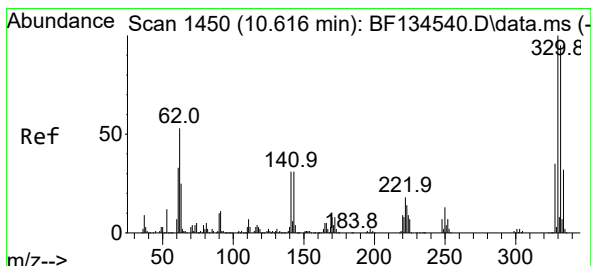
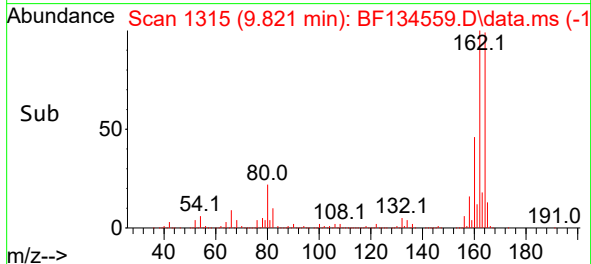
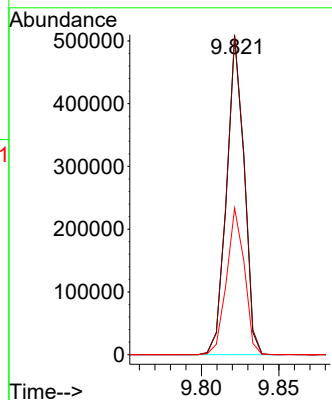
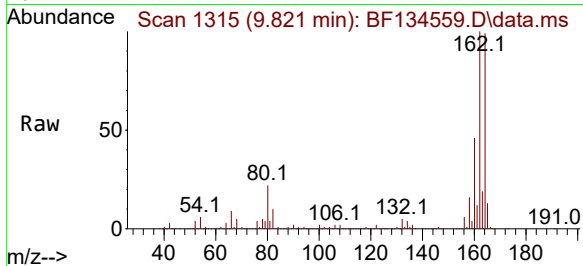




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

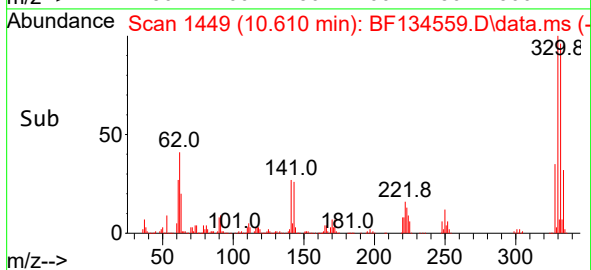
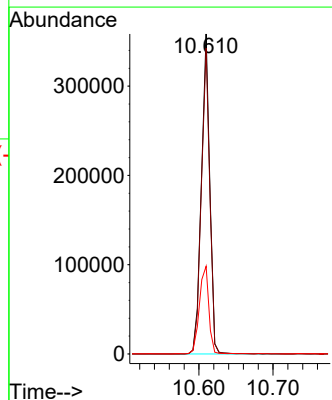
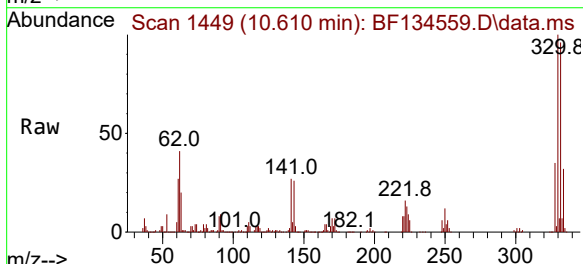
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B-P6BRE

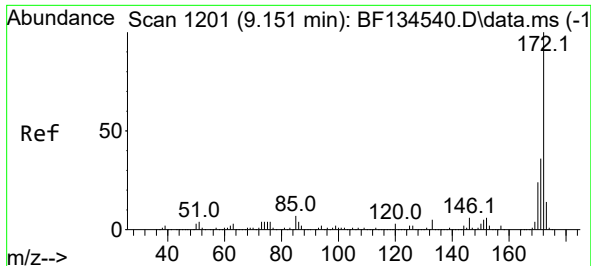
Tgt Ion:164 Resp: 397360
Ion Ratio Lower Upper
164 100
162 100.6 82.6 123.8
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 69.915 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion:330 Resp: 283204
Ion Ratio Lower Upper
330 100
332 96.1 78.8 118.2
141 31.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 47.704 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE

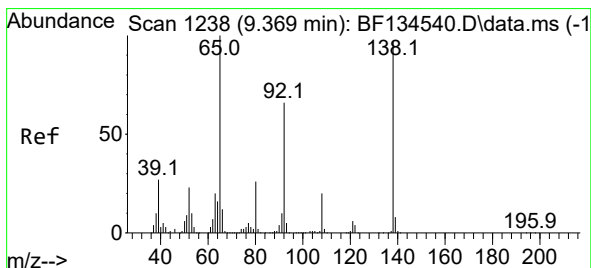
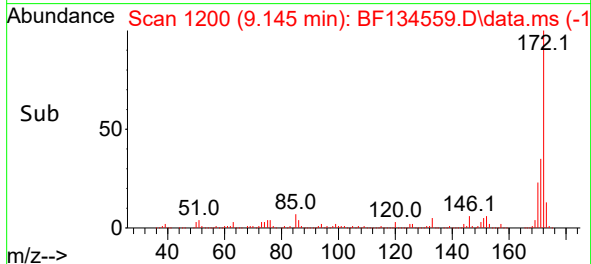
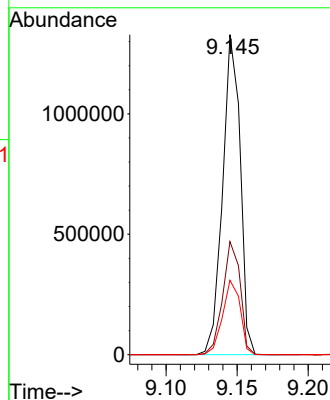
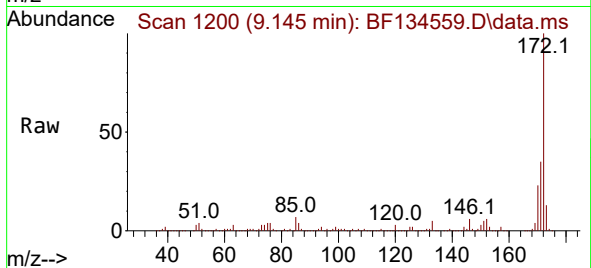
Tgt Ion:172 Resp: 1140054

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.3 18.7 28.1



#48

2-Nitroaniline

Concen: 3.188 ng

RT: 9.333 min Scan# 1232

Delta R.T. -0.036 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

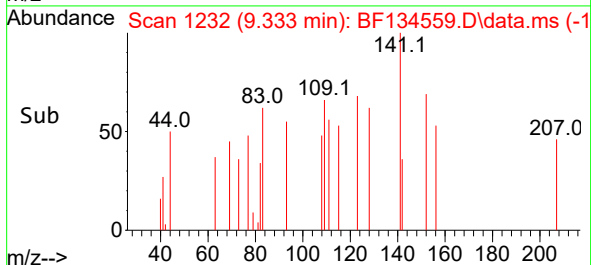
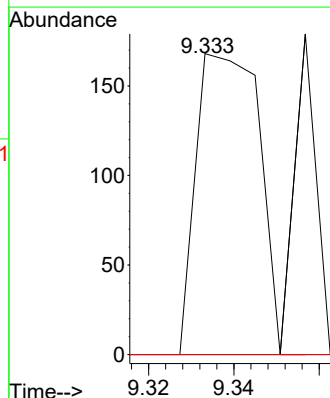
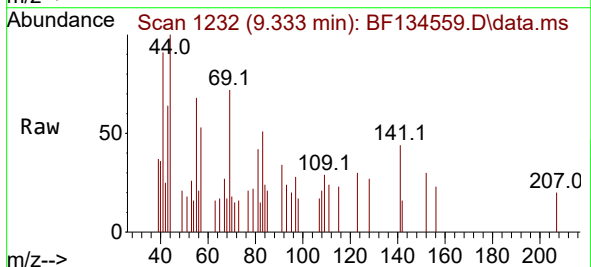
Tgt Ion: 65 Resp: 172

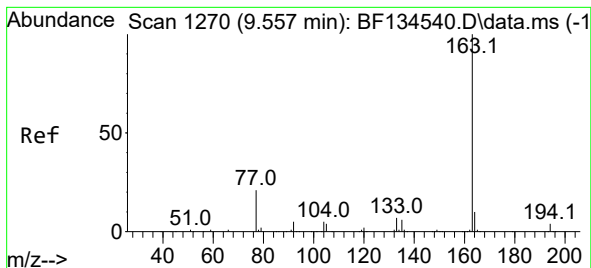
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#





#50

Dimethylphthalate

Concen: 3.142 ng

RT: 9.539 min Scan# 1315

Delta R.T. -0.018 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

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B-P6BRE

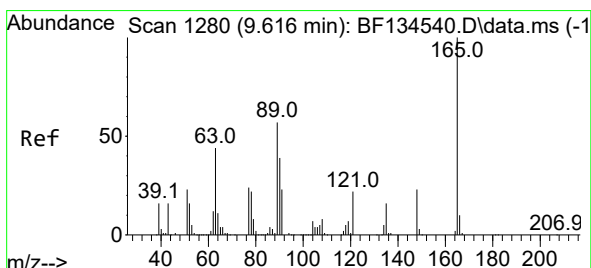
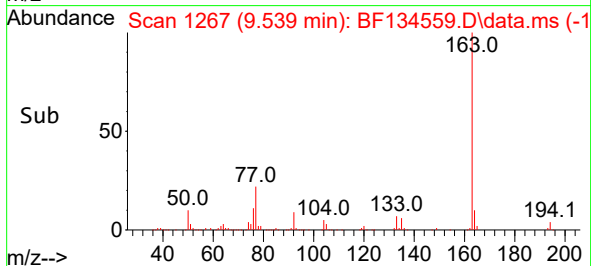
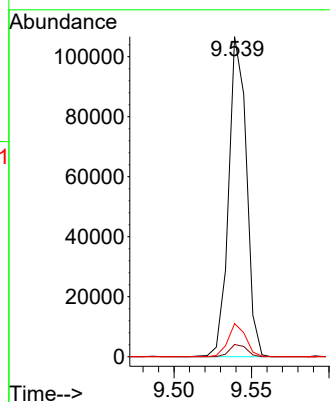
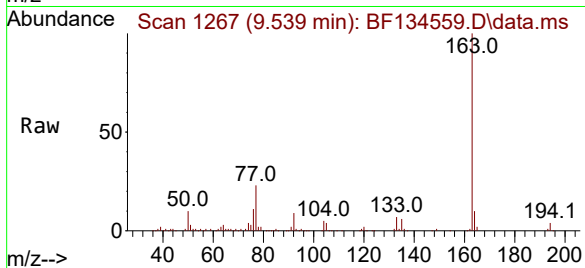
Tgt Ion:163 Resp: 85097

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.4 7.5 11.3



#51

2,6-Dinitrotoluene

Concen: 11.659 ng

RT: 9.821 min Scan# 1315

Delta R.T. 0.205 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

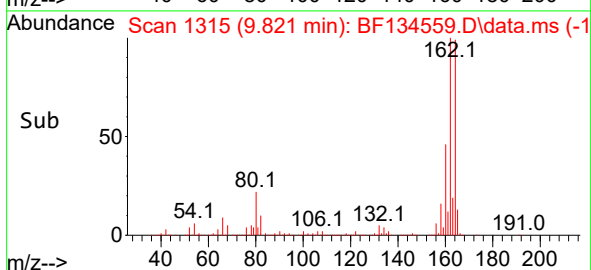
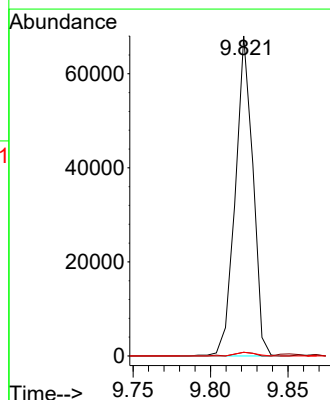
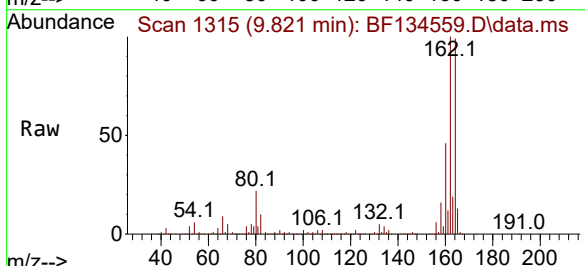
Tgt Ion:165 Resp: 53640

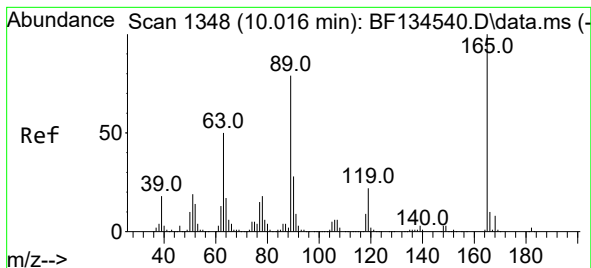
Ion Ratio Lower Upper

165 100

63 1.2 57.8 86.6#

89 1.2 51.8 77.8#

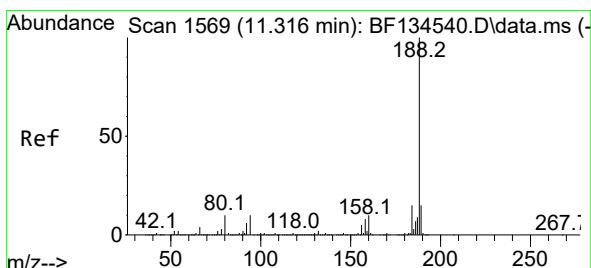
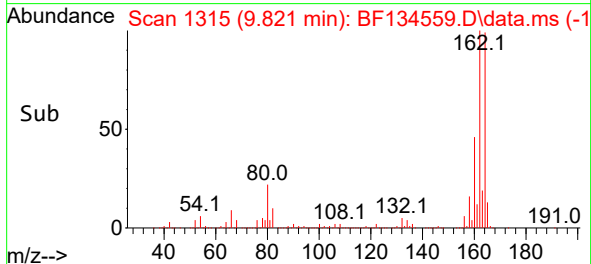
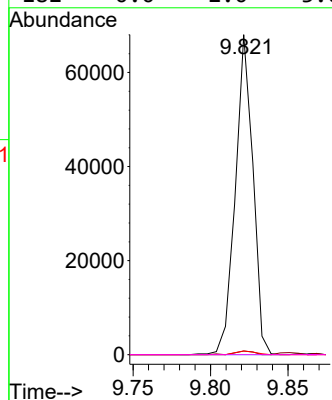
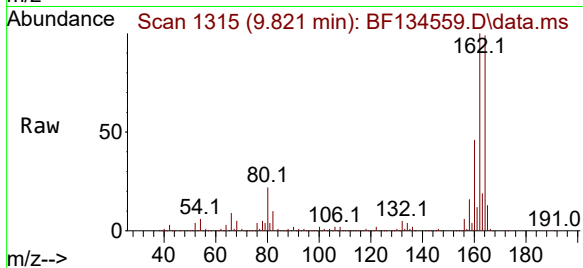




#57
2,4-Dinitrotoluene
Concen: 10.379 ng
RT: 9.821 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

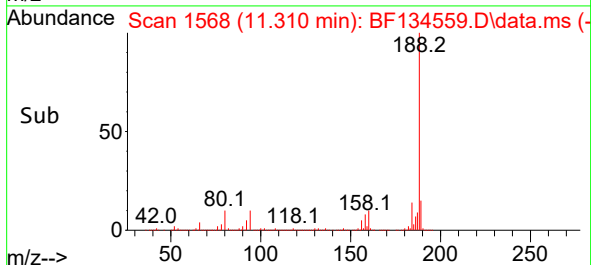
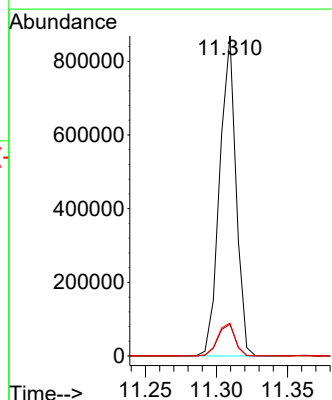
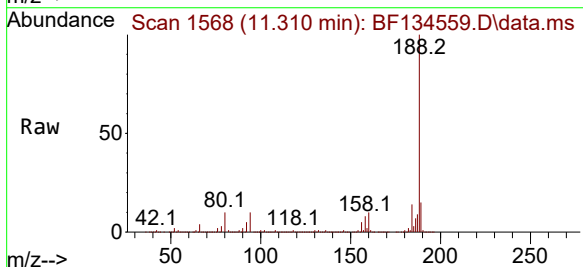
Instrument :
BNA_F
ClientSampleId :
B-P6BRE

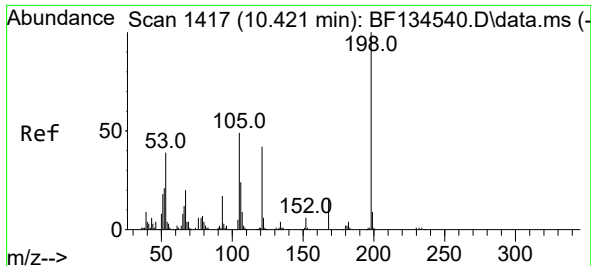
Tgt Ion:165 Resp: 53640
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion:188 Resp: 695715
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.2 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.887 ng

RT: 10.610 min Scan# 1417

Delta R.T. 0.189 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE

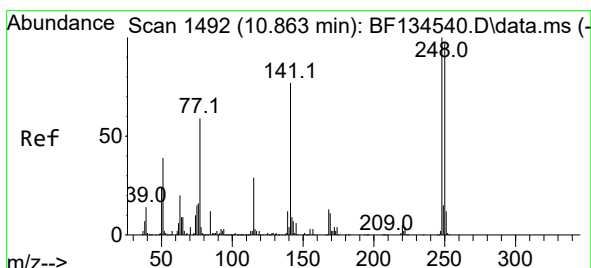
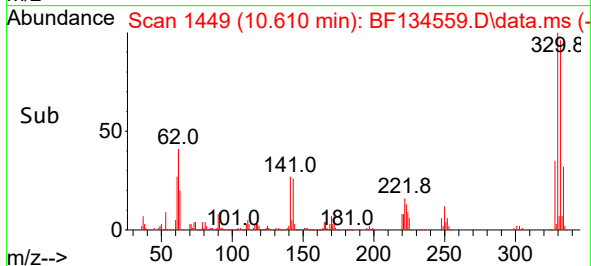
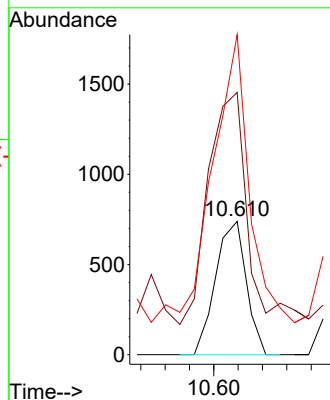
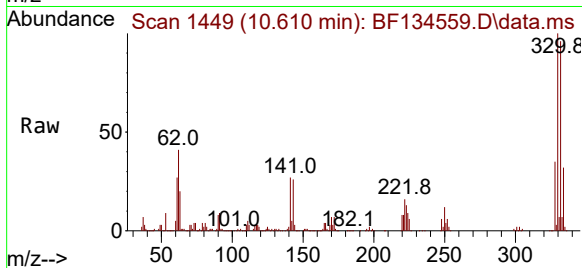
Tgt Ion:198 Resp: 647

Ion Ratio Lower Upper

198 100

51 196.8 38.6 78.6#

105 240.1 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 2.334 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

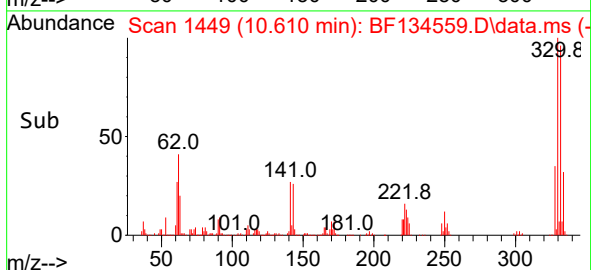
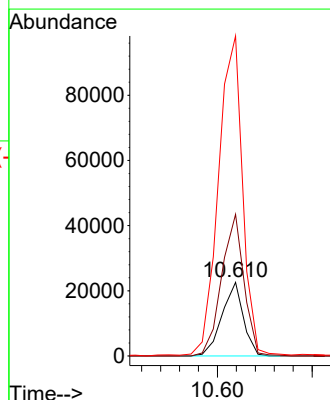
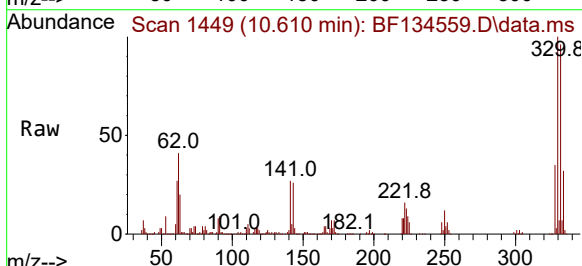
Tgt Ion:248 Resp: 17775

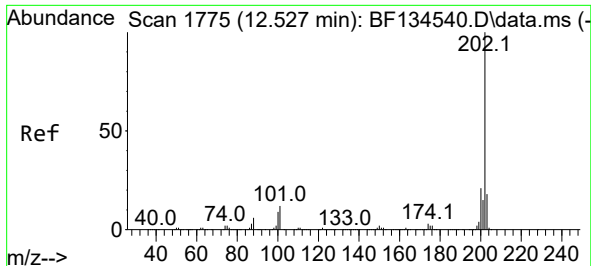
Ion Ratio Lower Upper

248 100

250 192.5 79.6 119.4#

141 434.7 59.6 89.4#

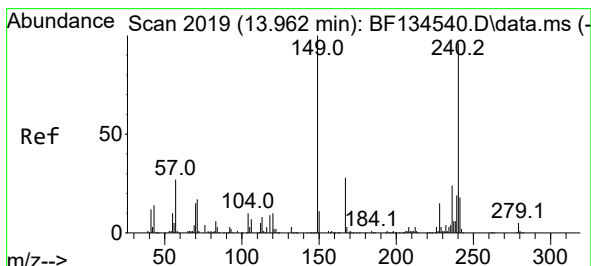
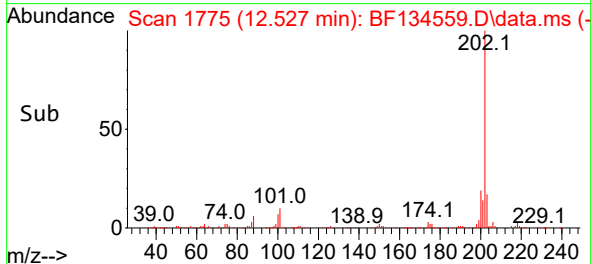
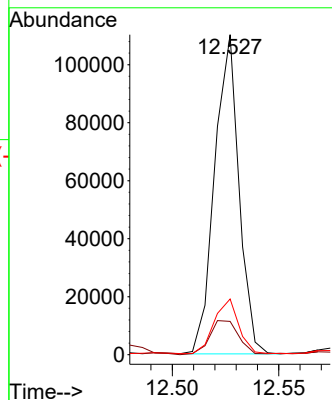
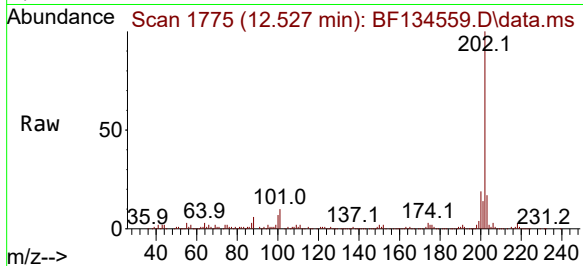




#75
Fluoranthene
Concen: 2.238 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

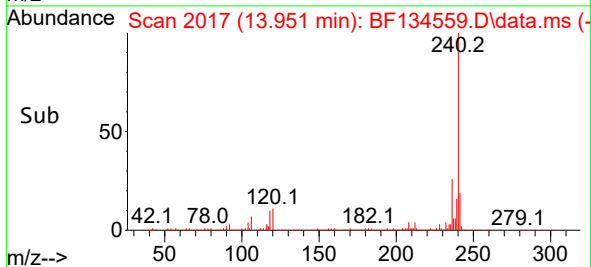
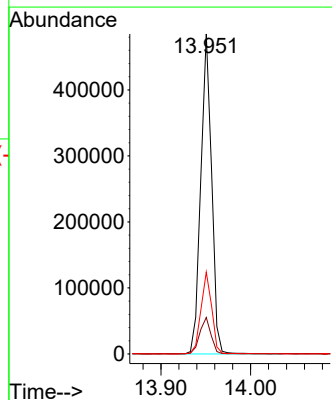
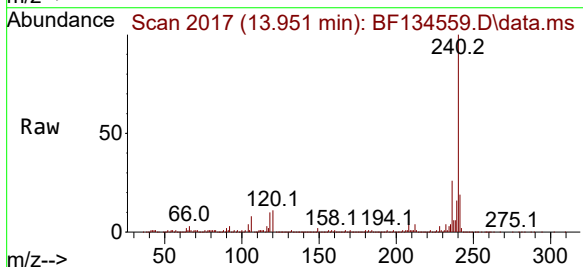
Instrument :
BNA_F
ClientSampleId :
B-P6BRE

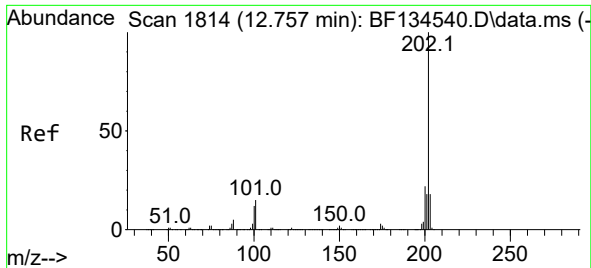
Tgt Ion:202 Resp: 87370
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134559.D
Acq: 01 Aug 2023 20:59

Tgt Ion:240 Resp: 406496
Ion Ratio Lower Upper
240 100
120 11.4 6.6 10.0#
236 25.6 20.2 30.2





#78

Pyrene

Concen: 3.683 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE

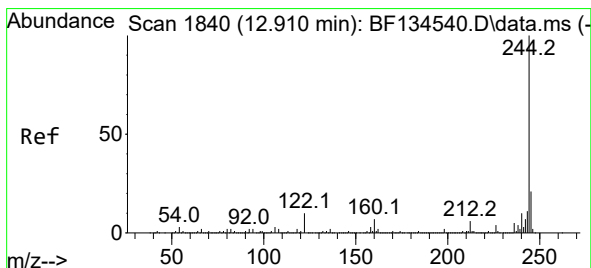
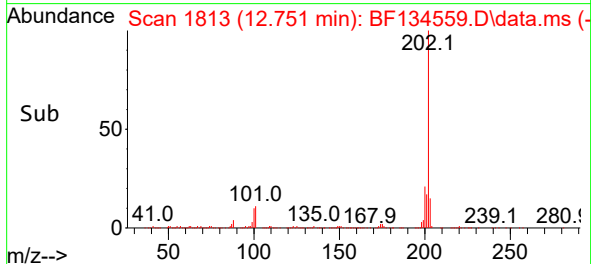
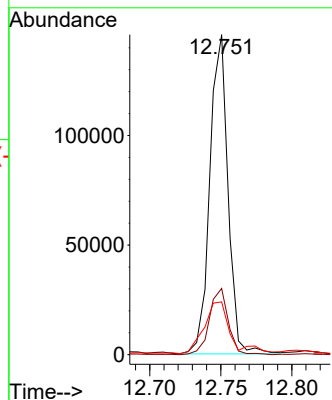
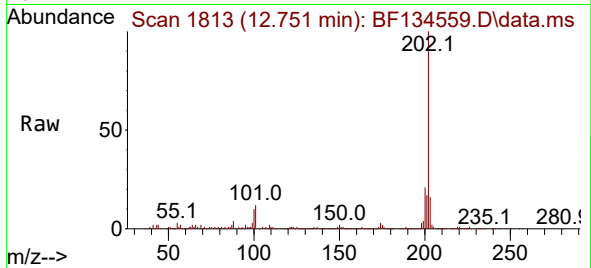
Tgt Ion:202 Resp: 129564

Ion Ratio Lower Upper

202 100

200 20.7 15.8 23.8

203 16.5 13.5 20.3



#79

Terphenyl-d14

Concen: 43.184 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

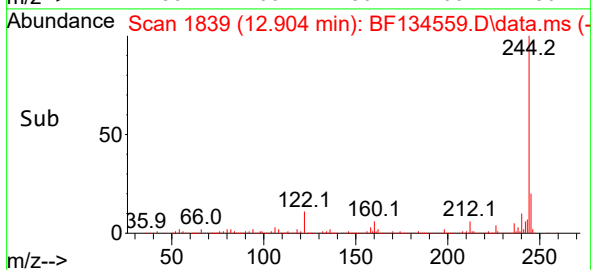
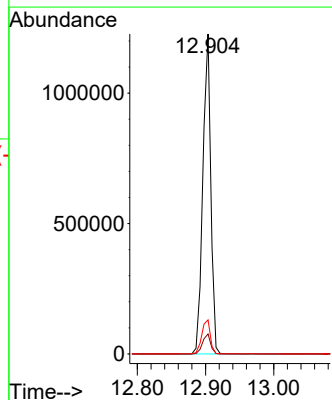
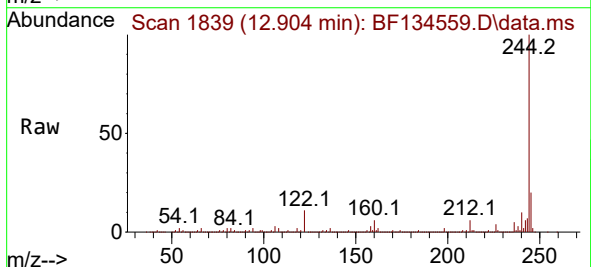
Tgt Ion:244 Resp: 995776

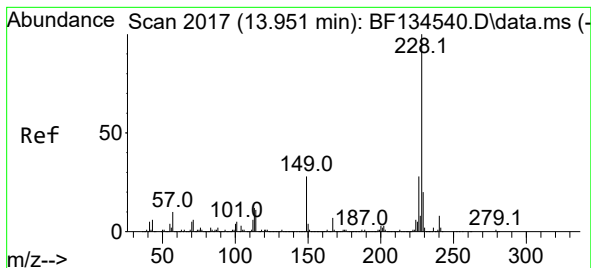
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 10.7 8.0 12.0





#81

Benzo(a)anthracene

Concen: 2.025 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE

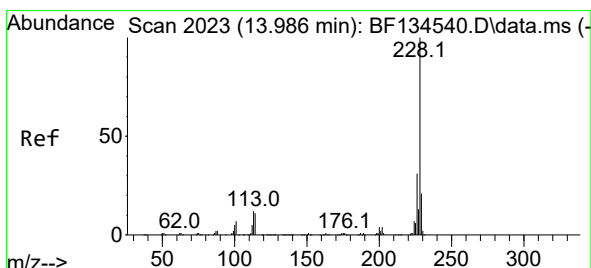
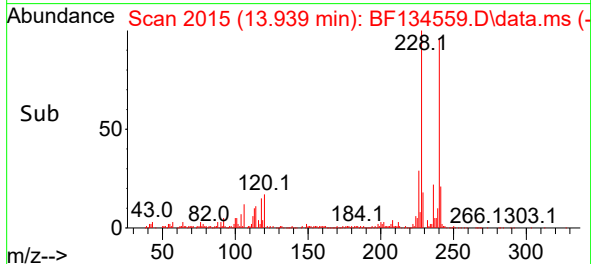
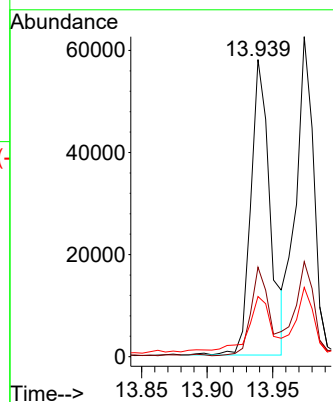
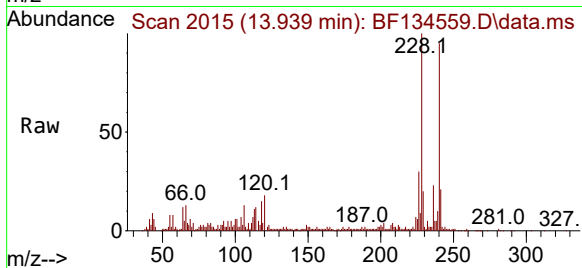
Tgt Ion:228 Resp: 58865

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 20.2 15.8 23.6



#83

Chrysene

Concen: 2.105 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

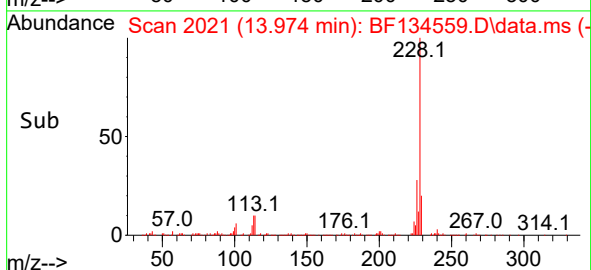
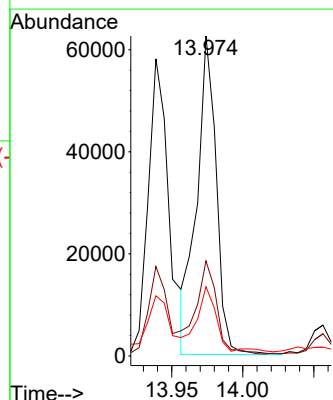
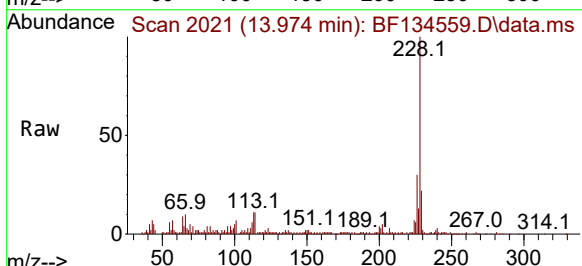
Tgt Ion:228 Resp: 59621

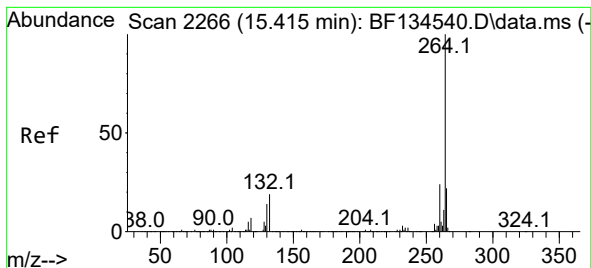
Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE

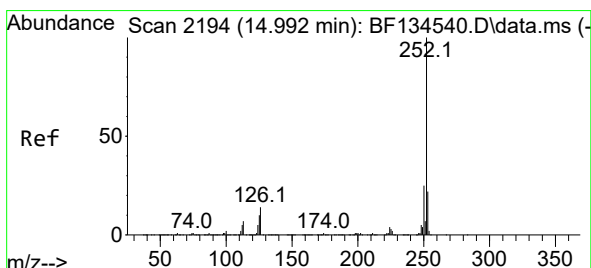
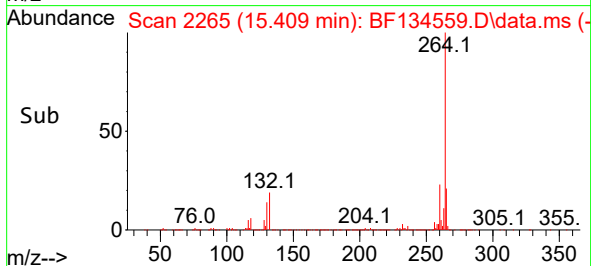
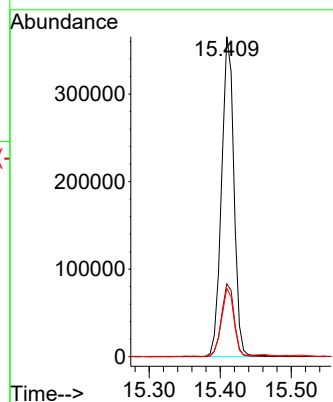
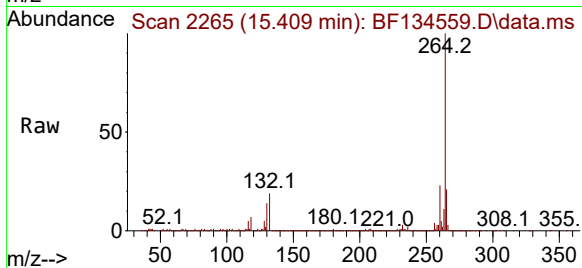
Tgt Ion:264 Resp: 441223

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 21.3 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 2.725 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF134559.D

Acq: 01 Aug 2023 20:59

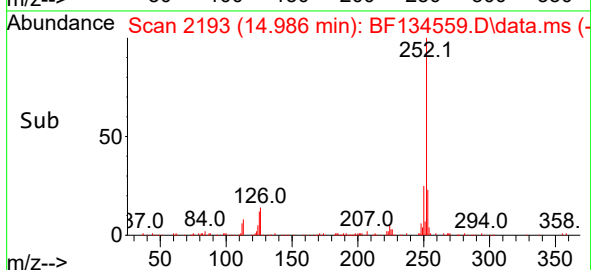
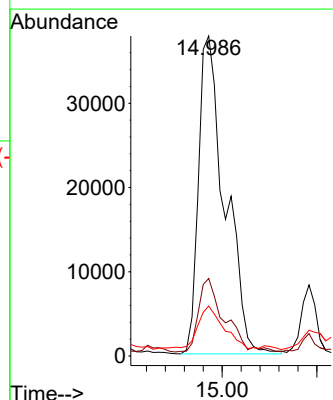
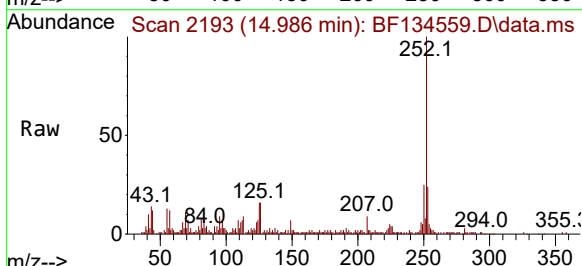
Tgt Ion:252 Resp: 73316

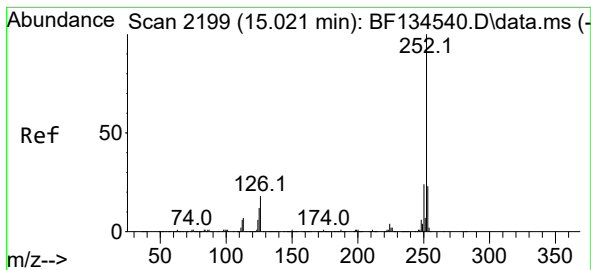
Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 15.6 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.735 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134559.D

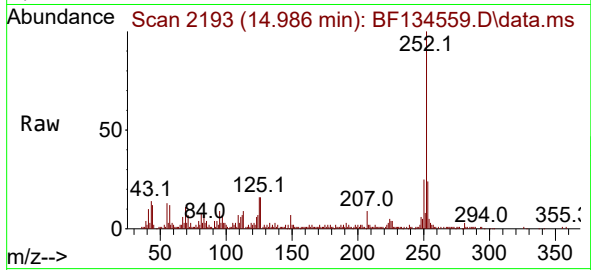
Acq: 01 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

B-P6BRE



Tgt Ion:252 Resp: 73316

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 15.6 6.3 9.5#

