

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062323\
 Data File : BF133951.D
 Acq On : 23 Jun 2023 19:48
 Operator : CG\JU
 Sample : 03363-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP

Quant Time: Jun 23 23:11:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

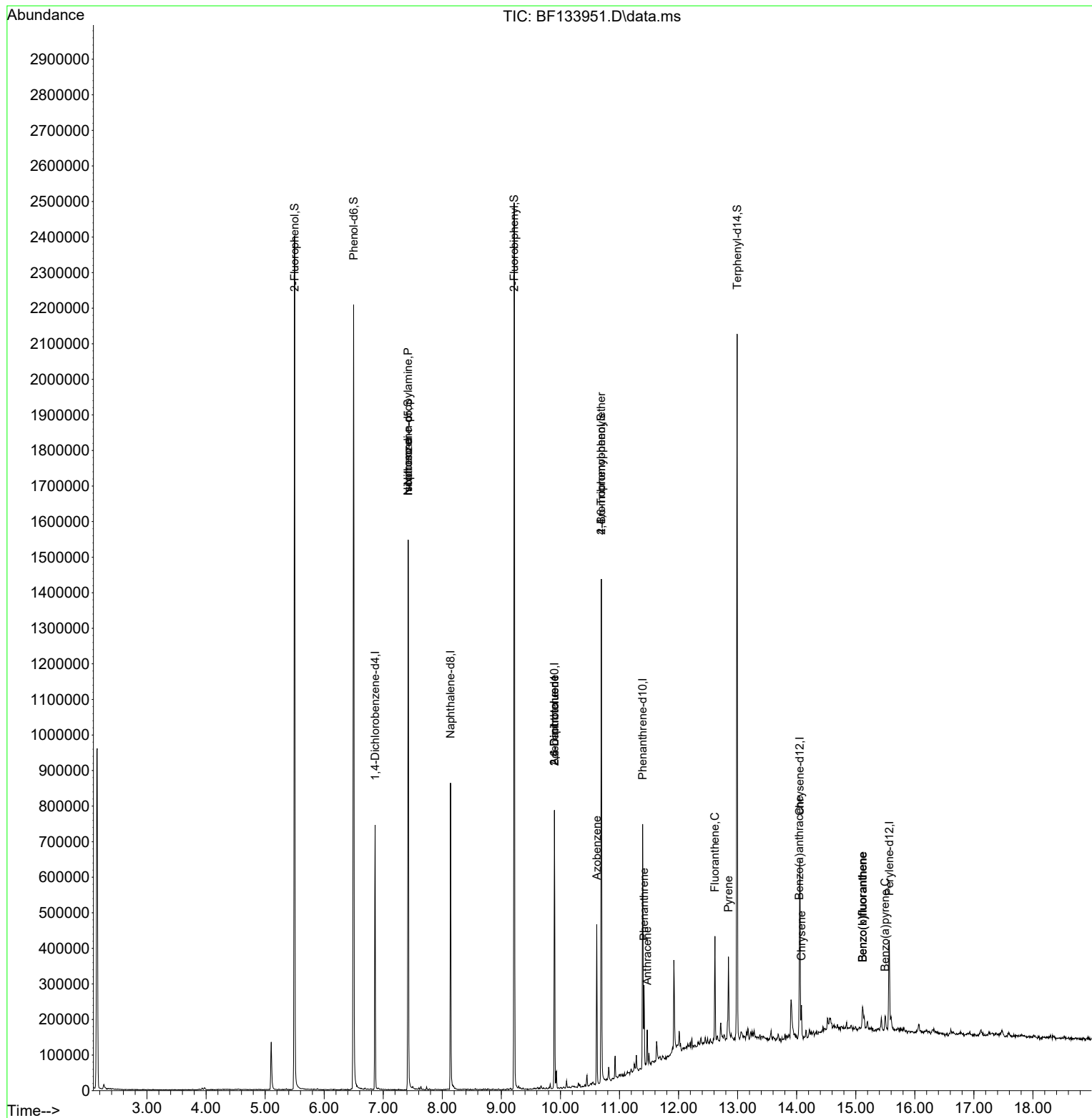
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	98641	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	343436	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	143598	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	242127	20.000	ng	0.00
76) Chrysene-d12	14.051	240	159496	20.000	ng	0.00
86) Perylene-d12	15.568	264	128392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	604471	106.682	ng	0.00
7) Phenol-d6	6.498	99	713220	96.703	ng	0.00
23) Nitrobenzene-d5	7.422	82	449055	71.217	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	156419	86.054	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	748547	74.101	ng	0.00
79) Terphenyl-d14	12.992	244	659600	63.991	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	62406	13.299	ng	# 78
25) Isophorone	7.422	82	449052	38.792	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	18207	8.230	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	18207	6.471	ng	# 19
63) Azobenzene	10.616	77	68486	6.632	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	9667	3.577	ng	# 1
71) Phenanthrene	11.416	178	77992	6.349	ng	98
72) Anthracene	11.468	178	38591	3.013	ng	97
75) Fluoranthene	12.615	202	112334	8.611	ng	98
78) Pyrene	12.845	202	94150	6.337	ng	99
81) Benzo(a)anthracene	14.045	228	35934	3.257	ng	95
83) Chrysene	14.080	228	36691	3.516	ng	95
88) Benzo(b)fluoranthene	15.115	252	45154	5.790	ng	# 93
89) Benzo(k)fluoranthene	15.115	252	45154	5.943	ng	# 93
90) Benzo(a)pyrene	15.498	252	21310	2.944	ng	# 95

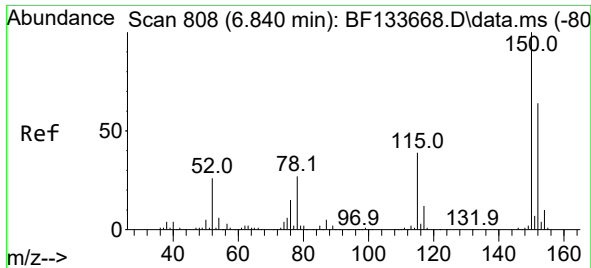
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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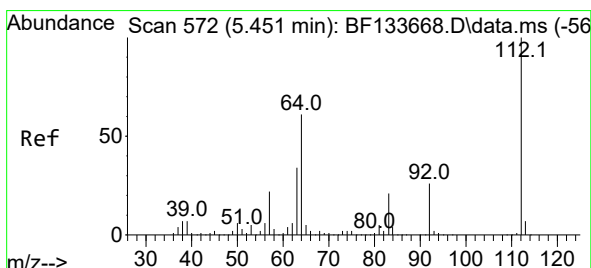
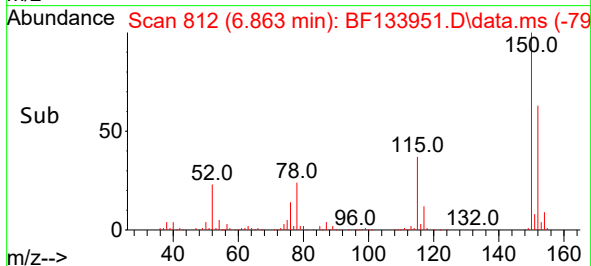
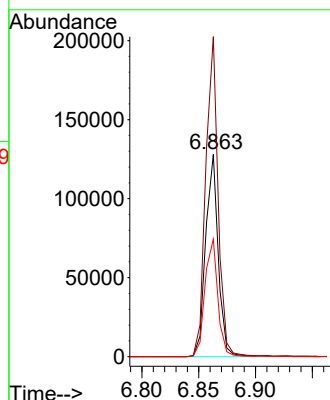
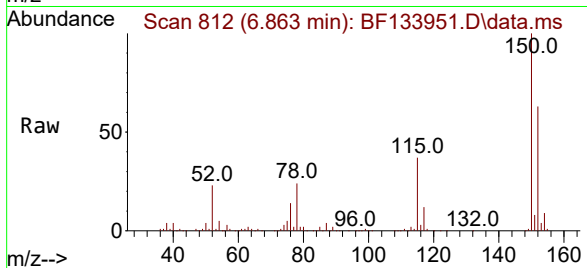




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

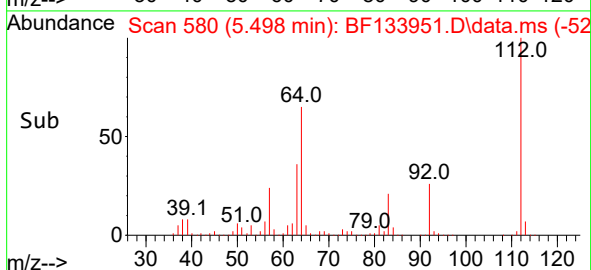
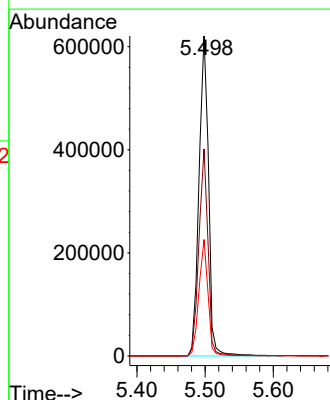
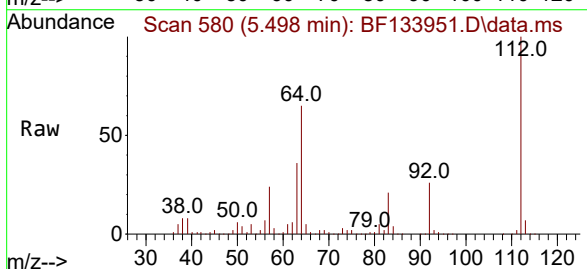
Instrument :
BNA_F
ClientSampleId :
SP

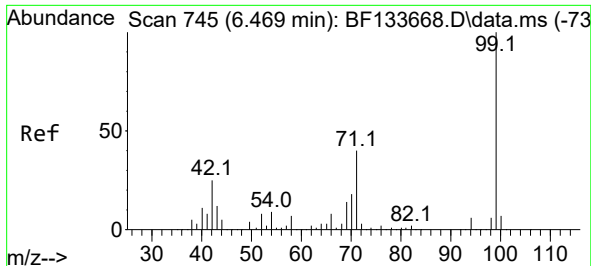
Tgt Ion:152 Resp: 98641
Ion Ratio Lower Upper
152 100
150 158.2 124.3 186.5
115 58.1 48.5 72.7



#5
2-Fluorophenol
Concen: 106.682 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:112 Resp: 604471
Ion Ratio Lower Upper
112 100
64 64.7 49.0 73.4
63 36.4 26.8 40.2

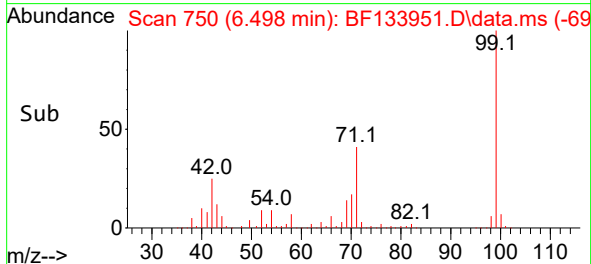
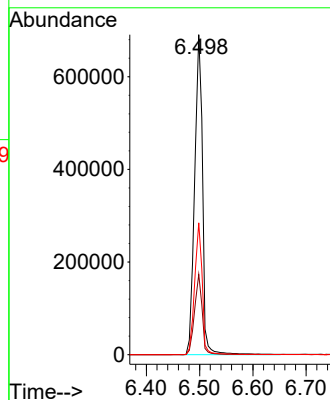
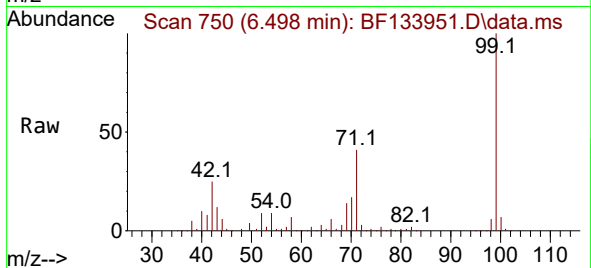




#7
Phenol-d6
Concen: 96.703 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

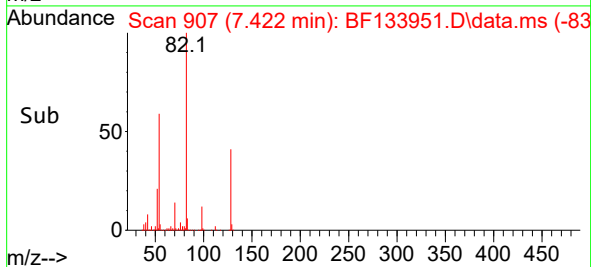
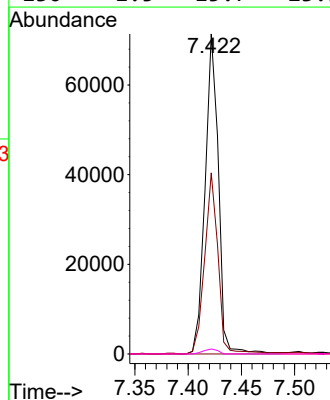
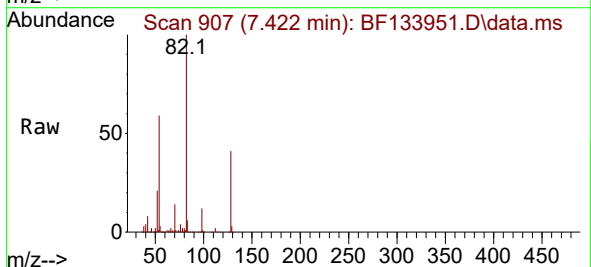
Instrument :
BNA_F
ClientSampleId :
SP

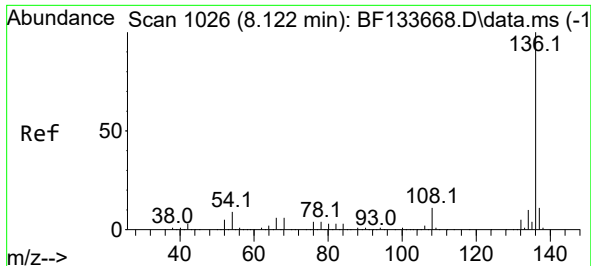
Tgt Ion: 99 Resp: 713220
Ion Ratio Lower Upper
99 100
42 25.1 19.9 29.9
71 41.2 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.299 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion: 70 Resp: 62406
Ion Ratio Lower Upper
70 100
42 56.6 55.8 83.8
101 0.0 8.1 12.1#
130 1.5 15.7 23.5#

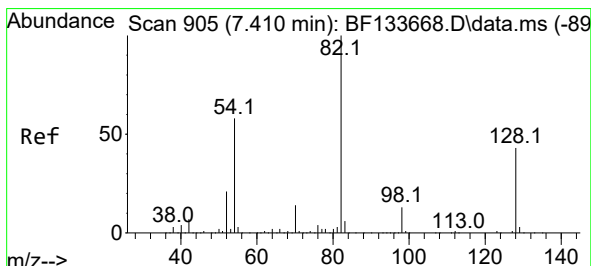
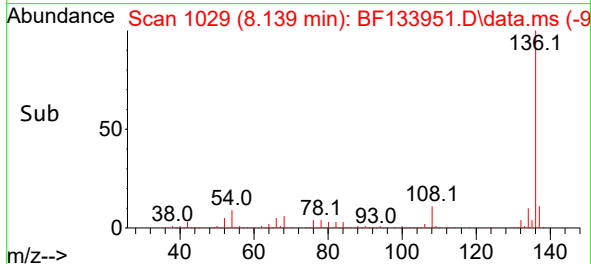
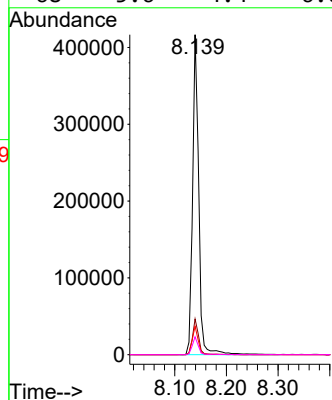
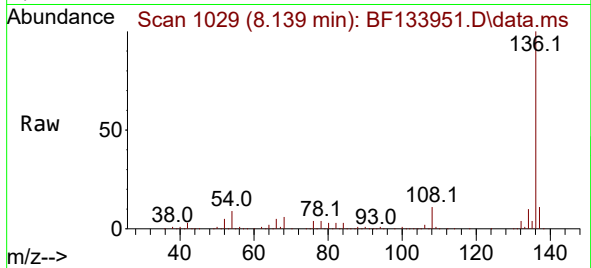




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

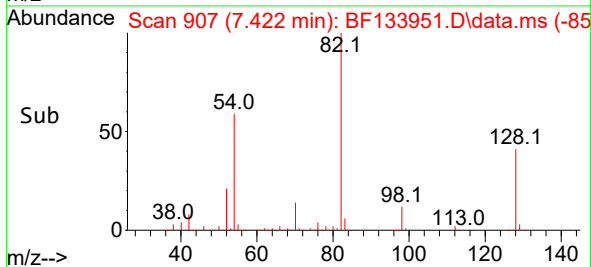
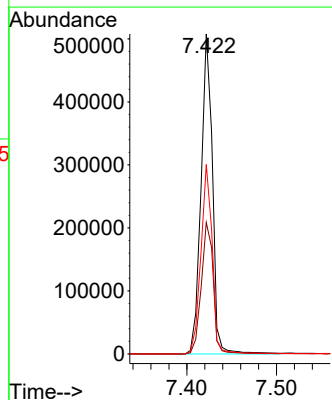
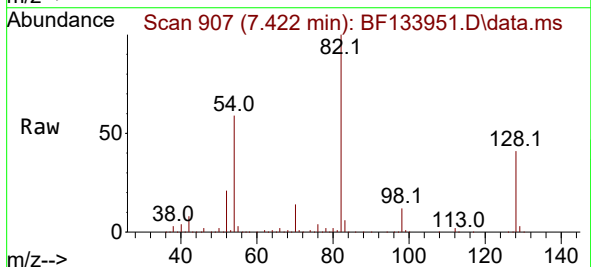
Instrument :
BNA_F
ClientSampleId :
SP

Tgt Ion:136 Resp: 343436
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.9 7.4 11.0
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 71.217 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion: 82 Resp: 449055
Ion Ratio Lower Upper
82 100
128 41.1 34.2 51.2
54 59.2 46.5 69.7

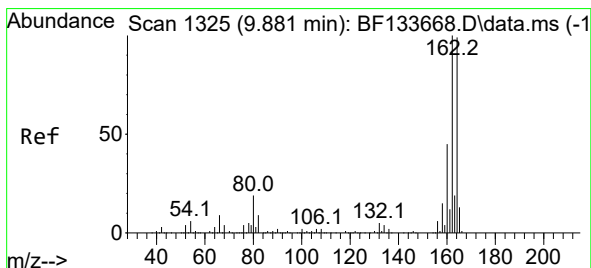
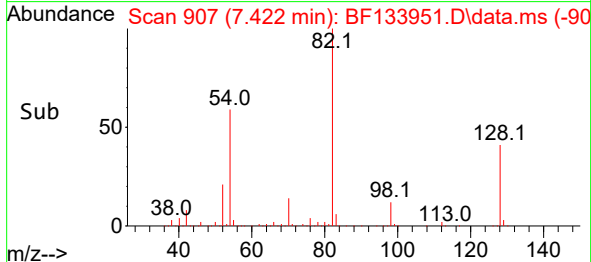
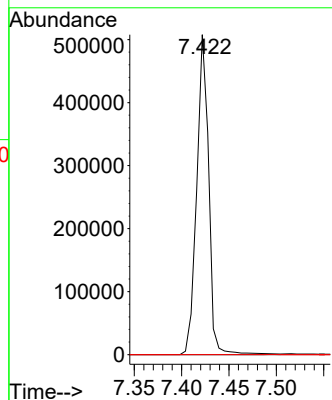
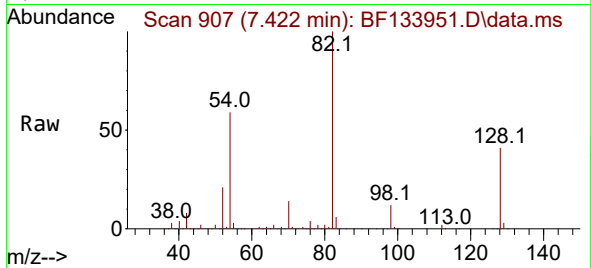




#25
Isophorone
Concen: 38.792 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

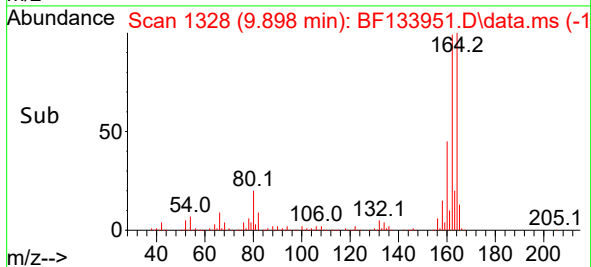
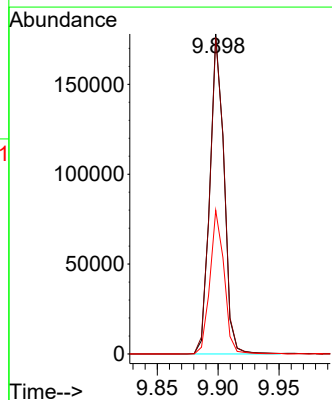
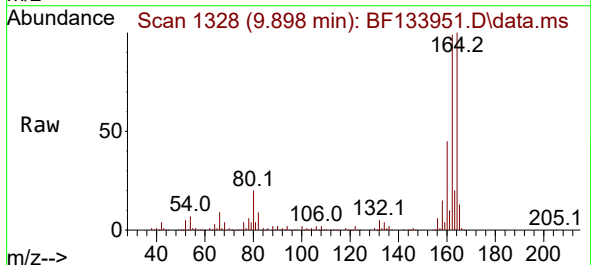
Instrument :
BNA_F
ClientSampleId :
SP

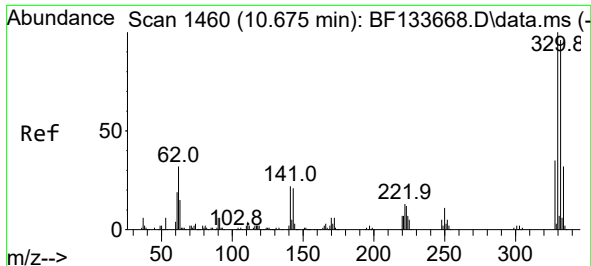
Tgt Ion: 82 Resp: 449052
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:164 Resp: 143598
Ion Ratio Lower Upper
164 100
162 98.9 80.8 121.2
160 44.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 86.054 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

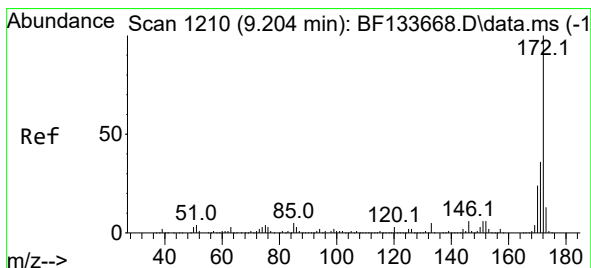
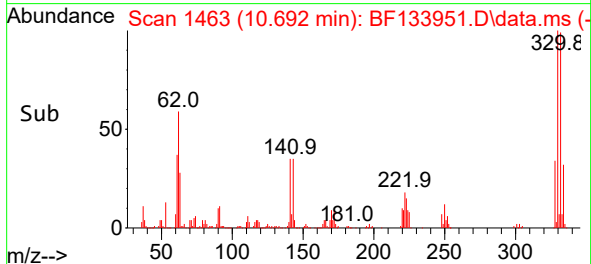
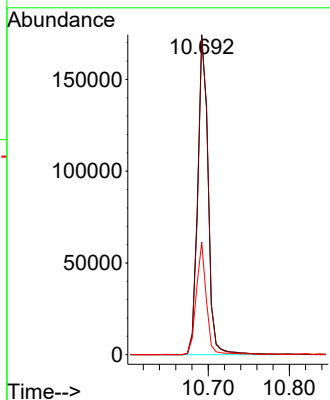
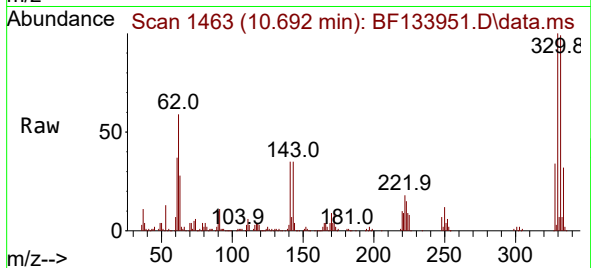
Tgt Ion:330 Resp: 156419

Ion Ratio Lower Upper

330 100

332 98.5 77.2 115.8

141 34.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 74.101 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

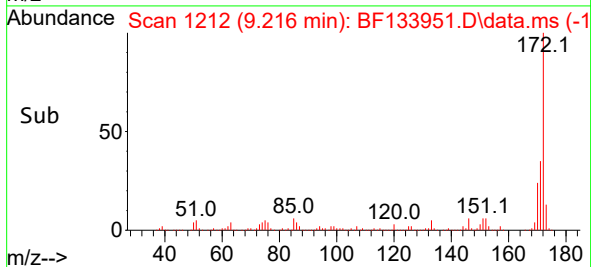
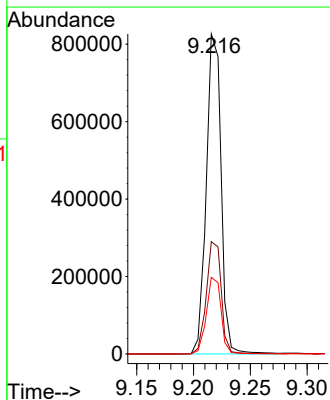
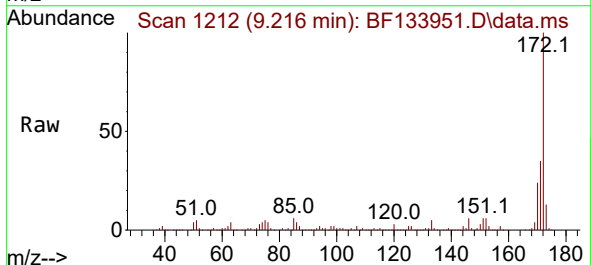
Tgt Ion:172 Resp: 748547

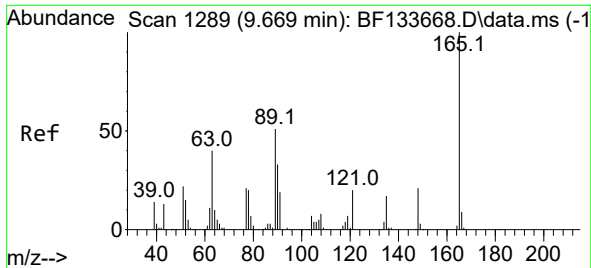
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.9 19.1 28.7

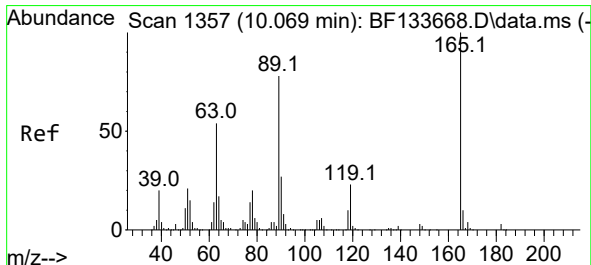
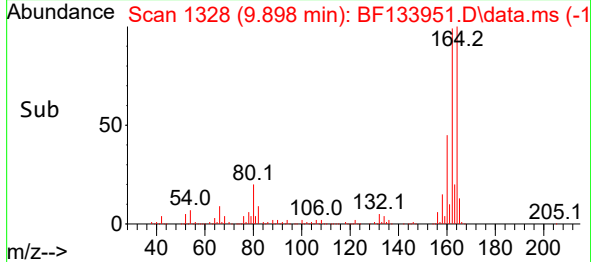
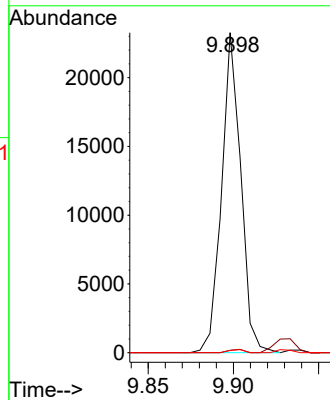
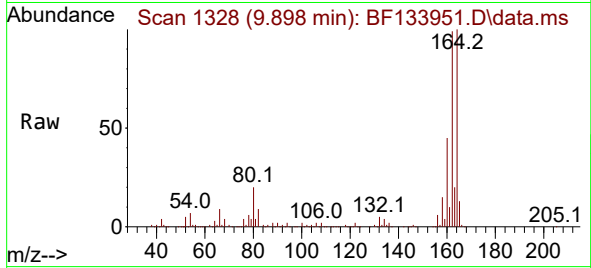




#51
2,6-Dinitrotoluene
Concen: 8.230 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

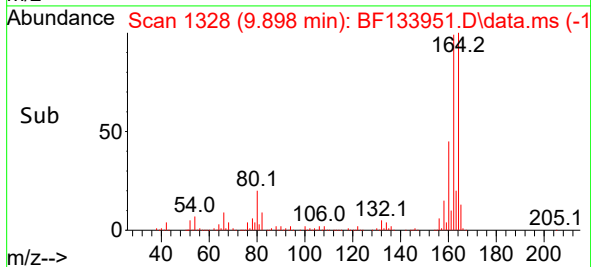
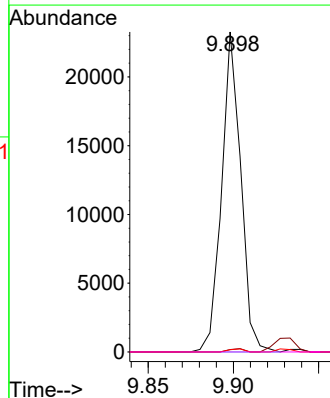
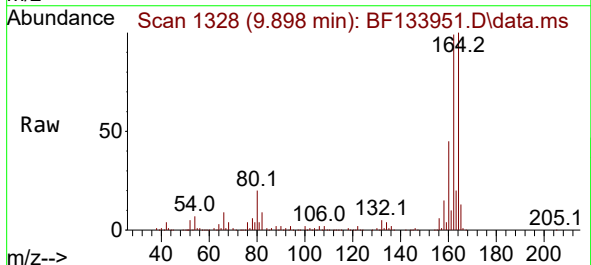
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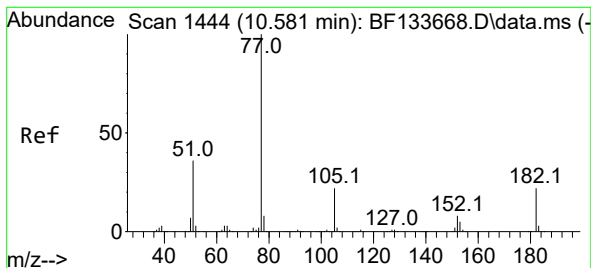
Tgt Ion:165 Resp: 18207
Ion Ratio Lower Upper
165 100
63 0.7 42.1 63.1#
89 0.7 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.471 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:165 Resp: 18207
Ion Ratio Lower Upper
165 100
63 0.7 43.0 64.6#
89 0.7 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 6.632 ng

RT: 10.616 min Scan# 1444

Delta R.T. 0.012 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

Tgt Ion: 77 Resp: 68486

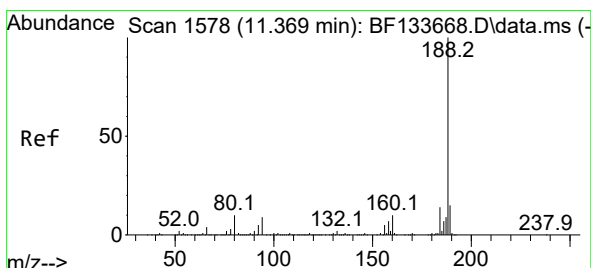
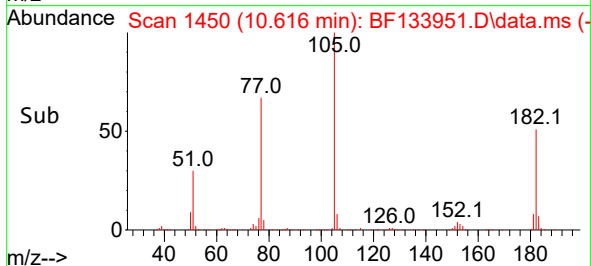
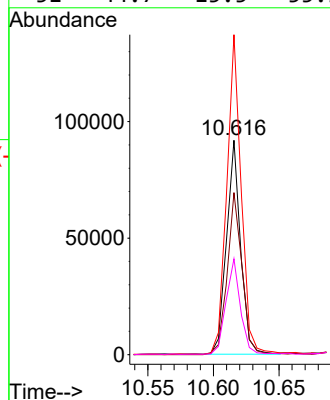
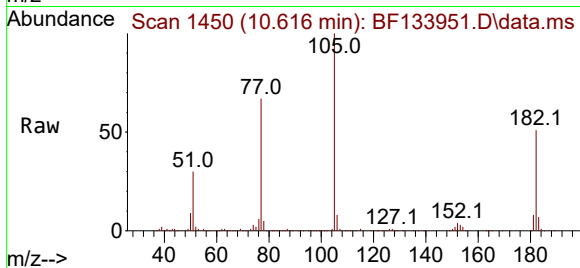
Ion Ratio Lower Upper

77 100

182 75.6 1.6 41.6#

105 149.2 1.6 41.6#

51 44.7 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

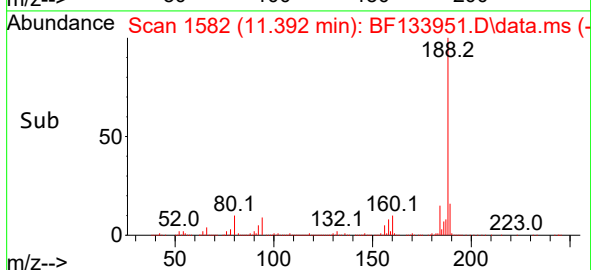
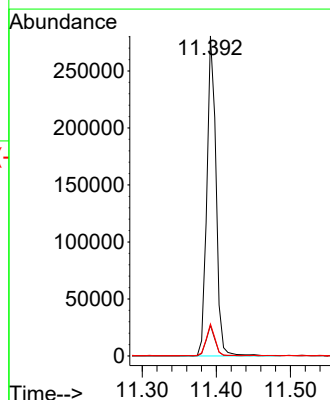
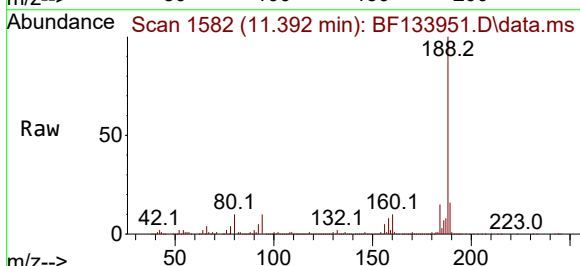
Tgt Ion:188 Resp: 242127

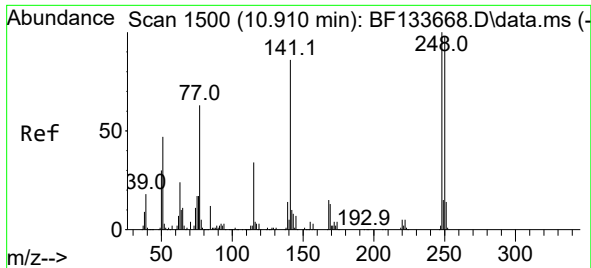
Ion Ratio Lower Upper

188 100

94 9.5 6.8 10.2

80 10.0 7.8 11.6





#67

4-Bromophenyl-phenylether

Concen: 3.577 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

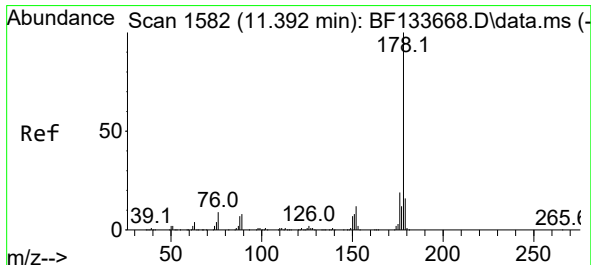
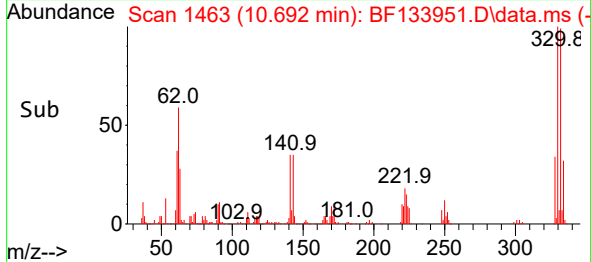
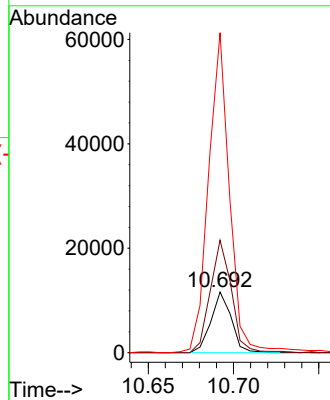
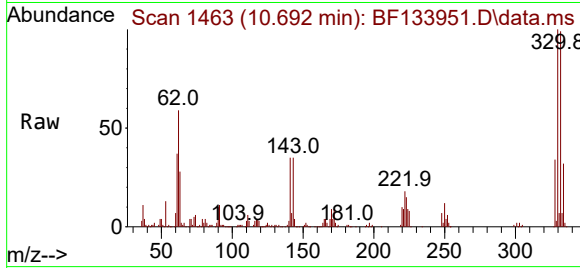
Tgt Ion:248 Resp: 9667

Ion Ratio Lower Upper

248 100

250 185.5 78.3 117.5#

141 527.4 69.0 103.6#



#71

Phenanthrene

Concen: 6.349 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

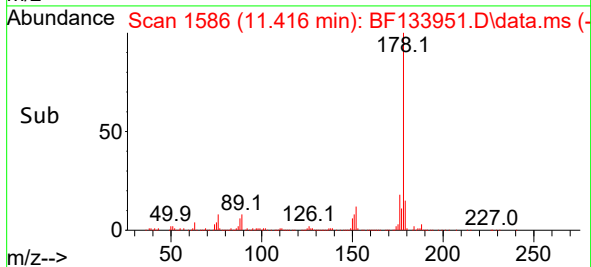
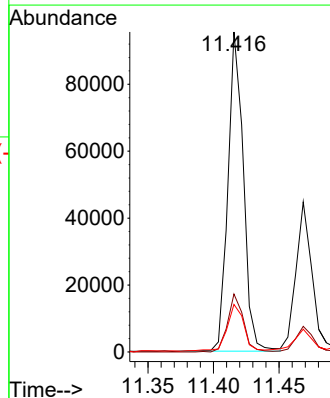
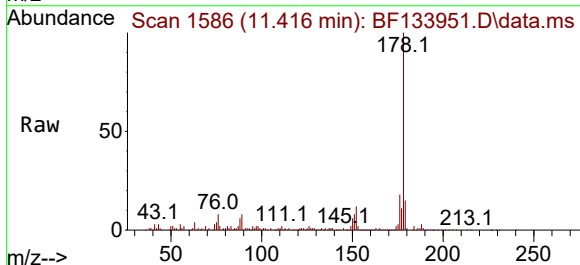
Tgt Ion:178 Resp: 77992

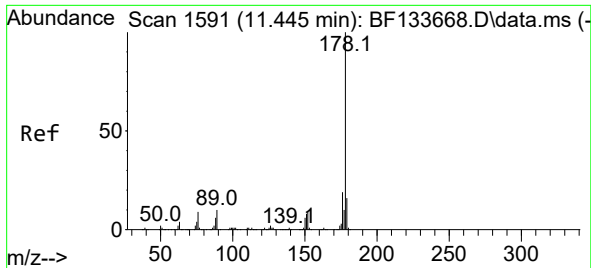
Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

179 14.8 12.4 18.6

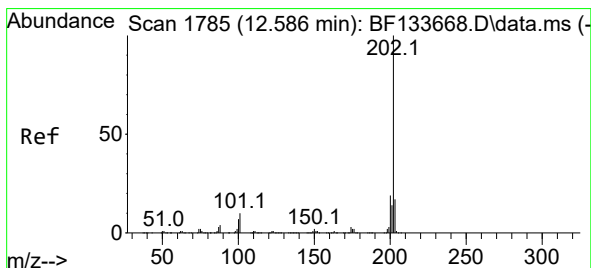
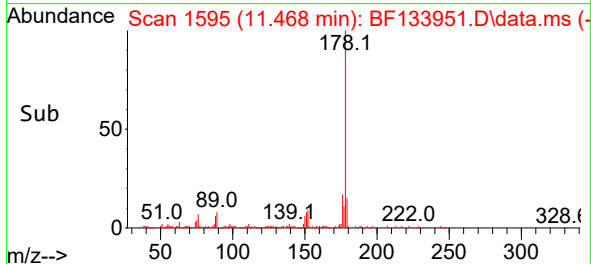
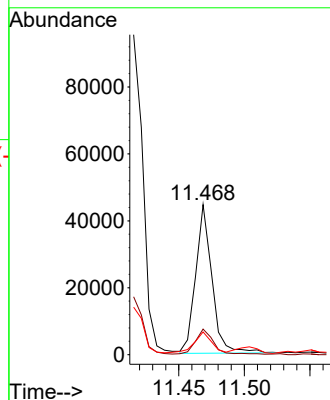
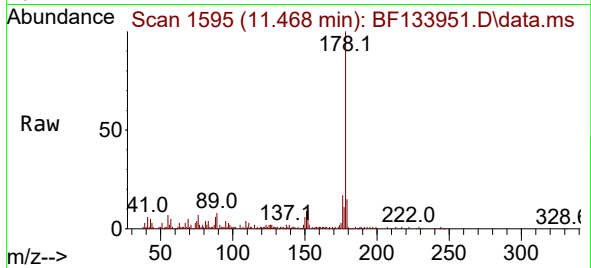




#72
 Anthracene
 Concen: 3.013 ng
 RT: 11.468 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

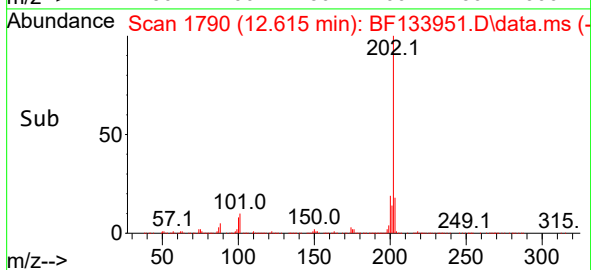
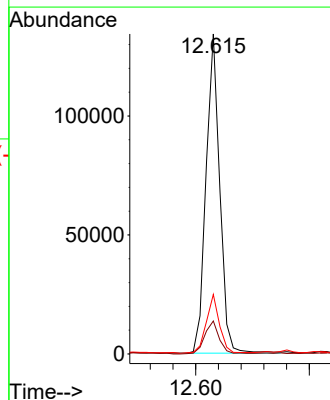
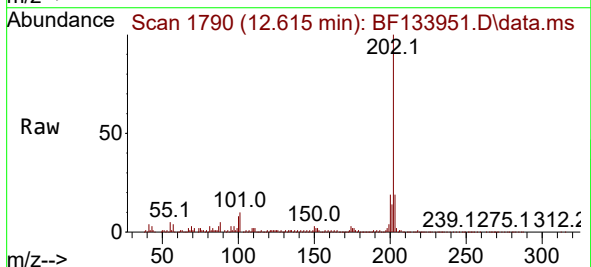
Instrument :
 BNA_F
 ClientSampleId :
 SP

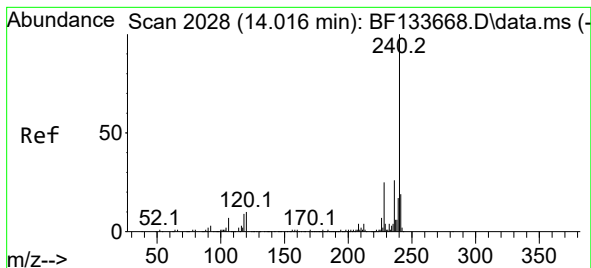
Tgt Ion:178 Resp: 38591
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.1 22.7
 179 15.1 12.6 18.8



#75
 Fluoranthene
 Concen: 8.611 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

Tgt Ion:202 Resp: 112334
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.6
 203 18.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

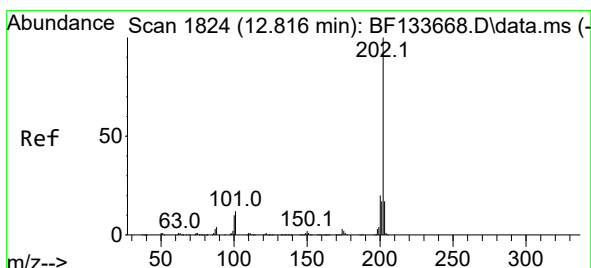
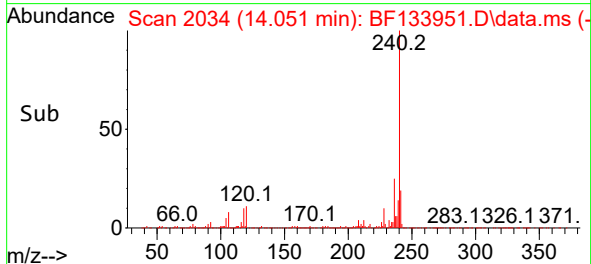
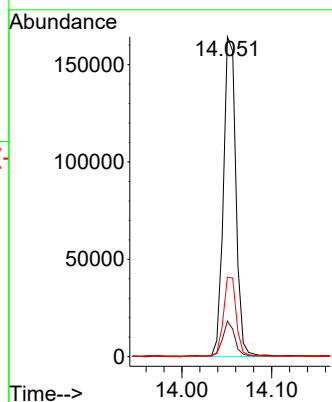
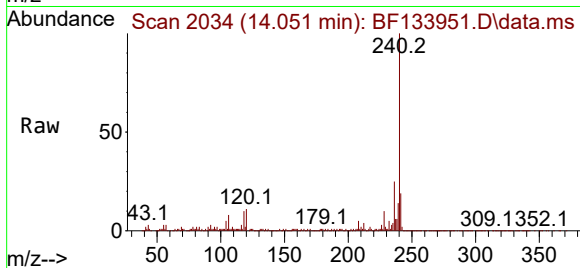
Tgt Ion:240 Resp: 159496

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

236 24.8 20.5 30.7



#78

Pyrene

Concen: 6.337 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

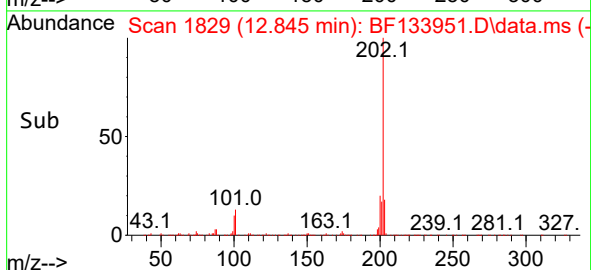
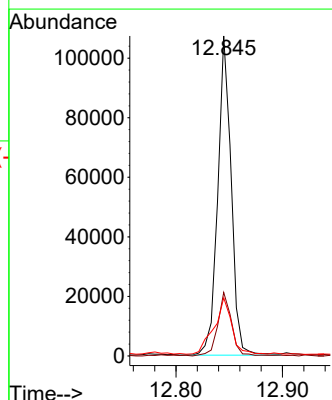
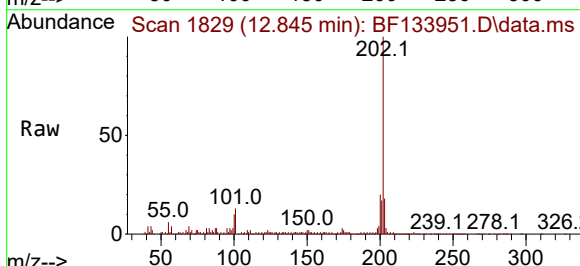
Tgt Ion:202 Resp: 94150

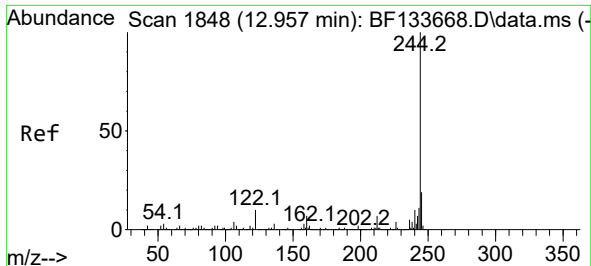
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.1 13.9 20.9

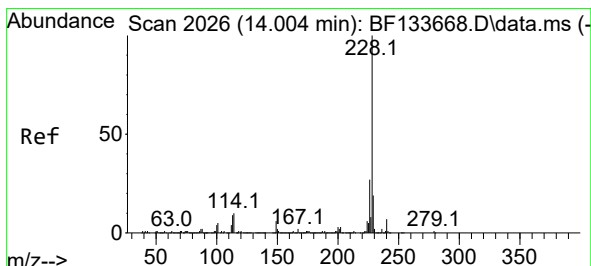
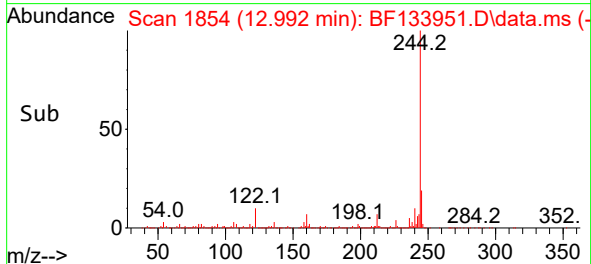
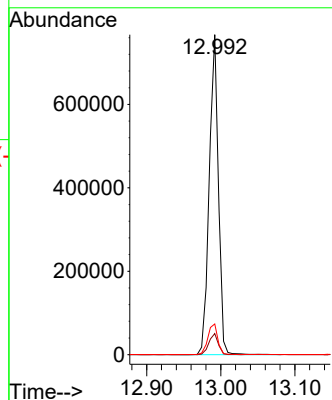
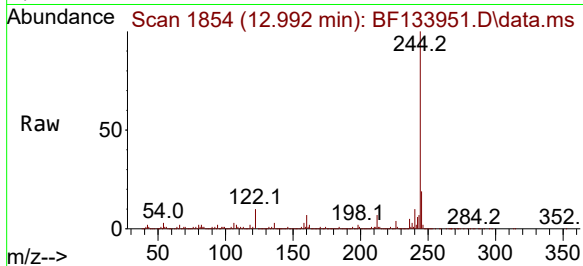




#79
 Terphenyl-d14
 Concen: 63.991 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

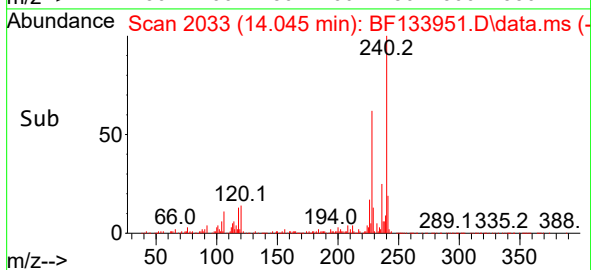
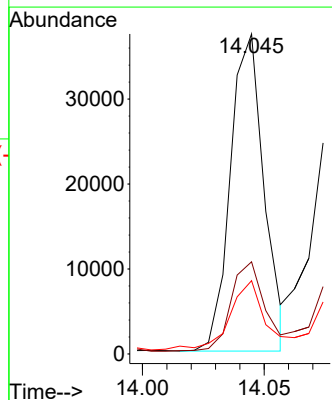
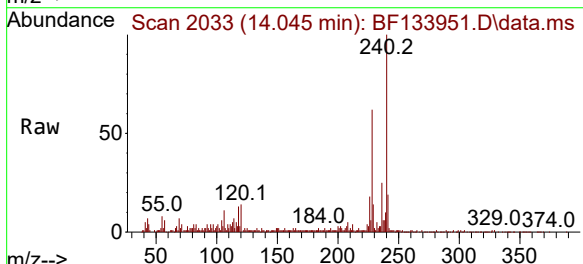
Instrument :
 BNA_F
 ClientSampleId :
 SP

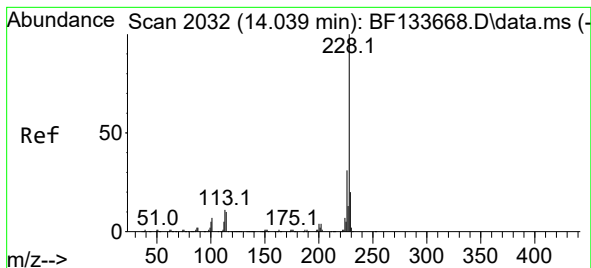
Tgt Ion:244 Resp: 659600
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 9.6 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 3.257 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: BF133951.D
 Acq: 23 Jun 2023 19:48

Tgt Ion:228 Resp: 35934
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 22.9 15.4 23.2





#83

Chrysene

Concen: 3.516 ng

RT: 14.080 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP

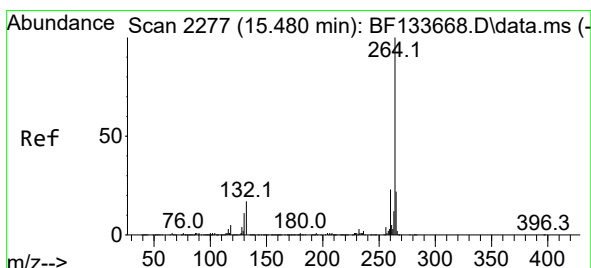
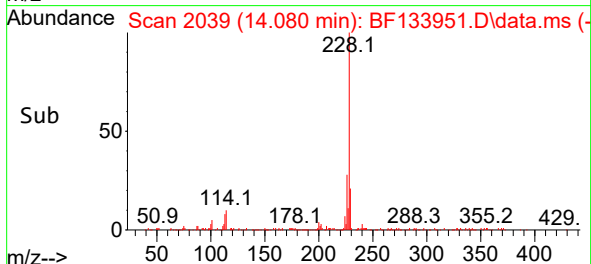
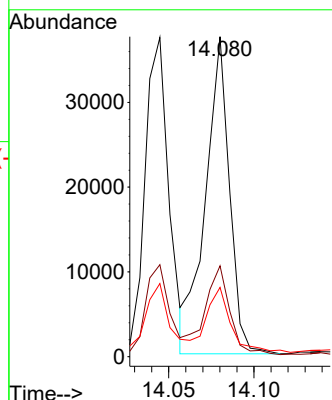
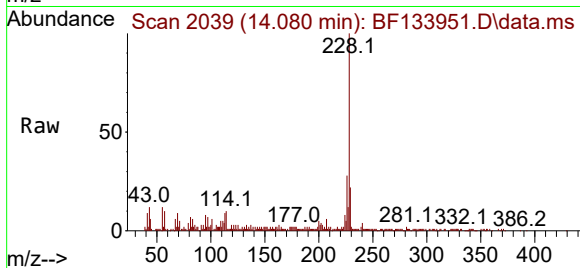
Tgt Ion:228 Resp: 36691

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 21.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2292

Delta R.T. 0.006 min

Lab File: BF133951.D

Acq: 23 Jun 2023 19:48

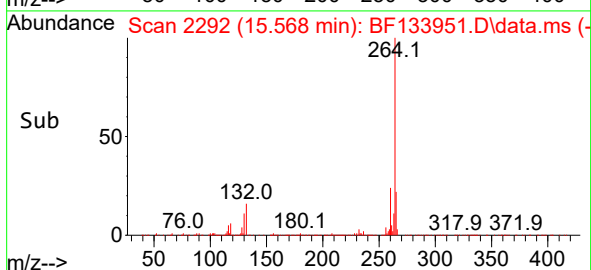
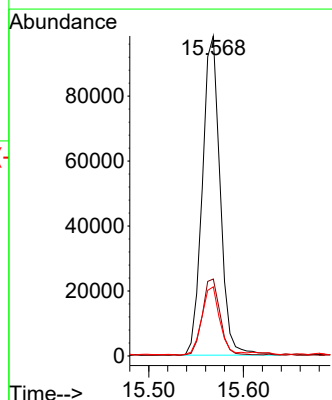
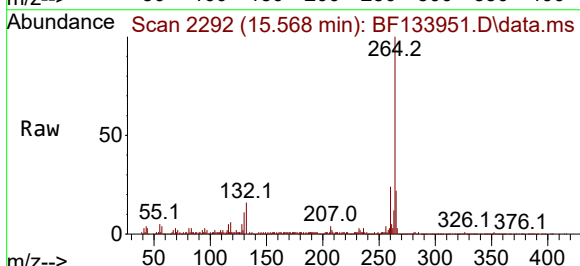
Tgt Ion:264 Resp: 128392

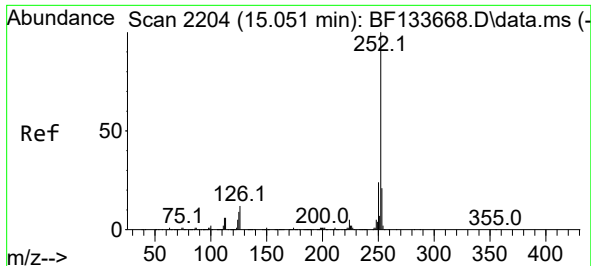
Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 21.6 17.8 26.6

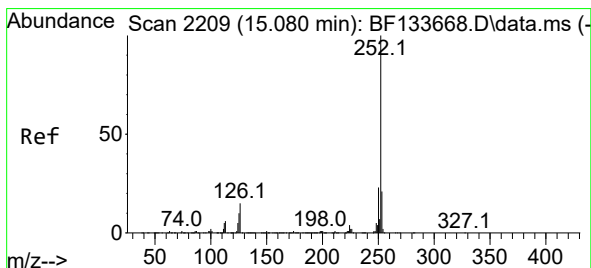
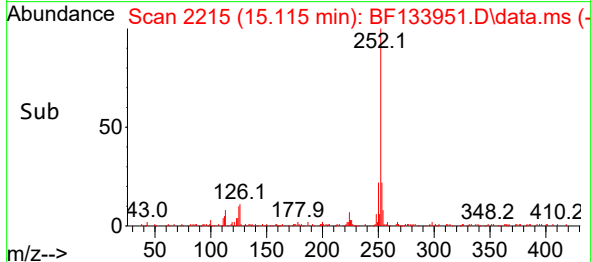
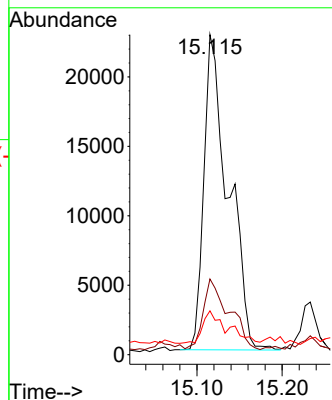
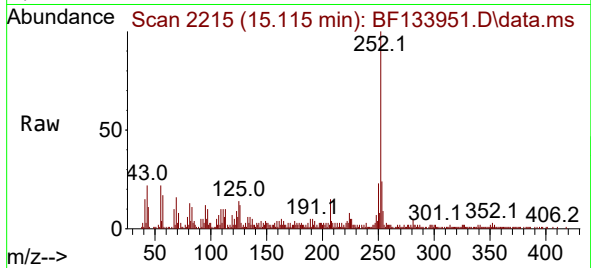




#88
Benzo(b)fluoranthene
Concen: 5.790 ng
RT: 15.115 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

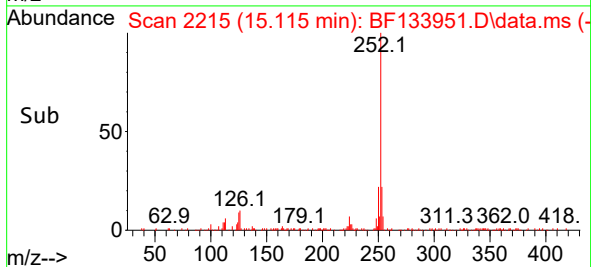
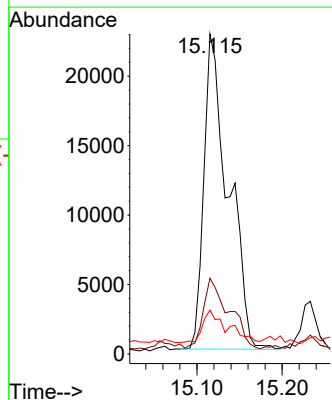
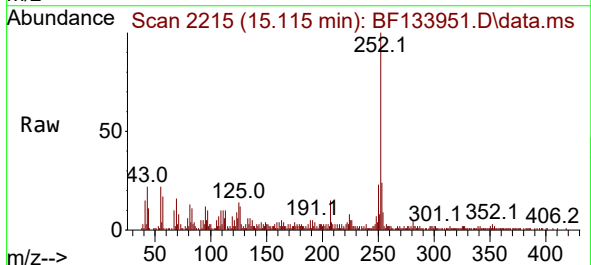
Instrument :
BNA_F
ClientSampleId :
SP

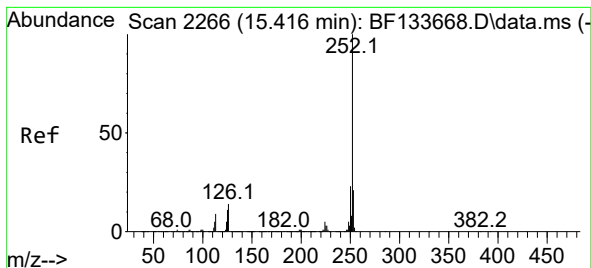
Tgt Ion:252 Resp: 45154
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 13.7 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 5.943 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.029 min
Lab File: BF133951.D
Acq: 23 Jun 2023 19:48

Tgt Ion:252 Resp: 45154
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 13.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.944 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133951.D

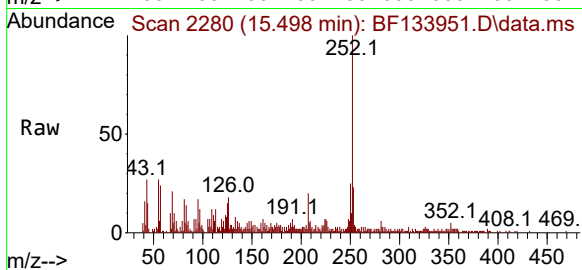
Acq: 23 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

SP



Tgt Ion:252 Resp: 21310

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 14.6 8.6 13.0#

