

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133860.D
 Acq On : 20 Jun 2023 17:14
 Operator : CG\JU
 Sample : 03109-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Quant Time: Jun 21 00:13:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

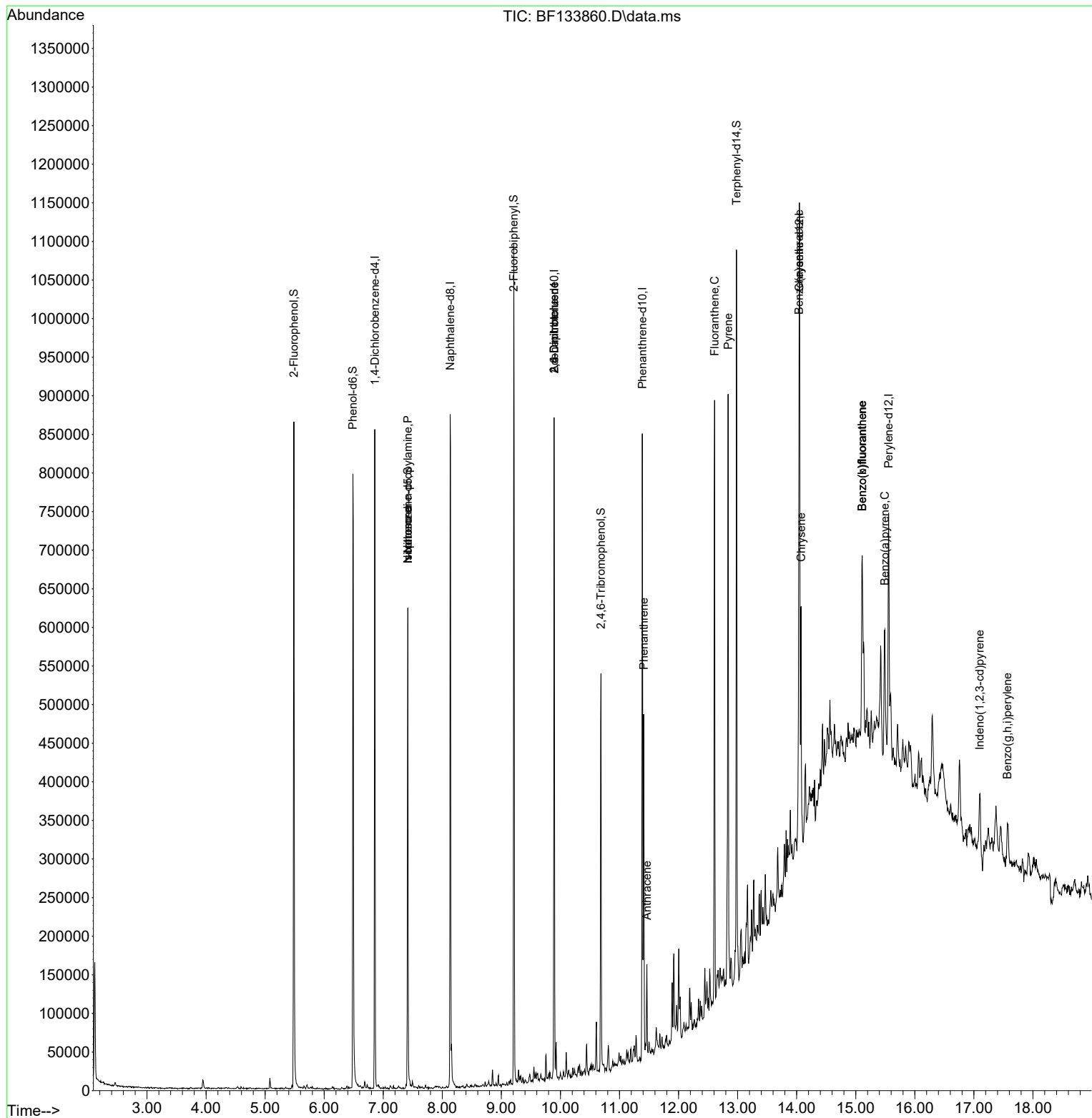
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	111485	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	387158	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	156441	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	282964	20.000	ng	0.00
76) Chrysene-d12	14.045	240	219908	20.000	ng	0.00
86) Perylene-d12	15.557	264	150923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	215996	33.729	ng	0.00
7) Phenol-d6	6.487	99	255833	30.691	ng	0.00
23) Nitrobenzene-d5	7.416	82	165461	23.278	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	59711	30.153	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	312043	28.354	ng	0.00
79) Terphenyl-d14	12.980	244	305228	21.477	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	23116	4.359	ng	# 76
25) Isophorone	7.416	82	165458	12.679	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	20360	8.447	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	20360	6.642	ng	# 19
71) Phenanthrene	11.410	178	148512	10.345	ng	99
72) Anthracene	11.463	178	40881	2.731	ng	99
75) Fluoranthene	12.610	202	308797	20.255	ng	99
78) Pyrene	12.839	202	311086	15.186	ng	99
81) Benzo(a)anthracene	14.039	228	148238	9.745	ng	95
83) Chrysene	14.074	228	138428	9.622	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	49663	4.783	ng	97
88) Benzo(b)fluoranthene	15.110	252	174105	18.991	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	174105	19.495	ng	# 94
90) Benzo(a)pyrene	15.492	252	87233	10.252	ng	# 95
92) Benzo(g,h,i)perylene	17.568	276	50588	5.936	ng	97

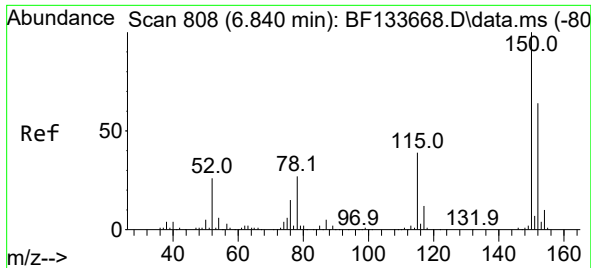
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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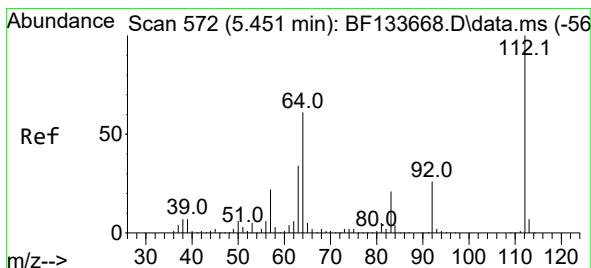
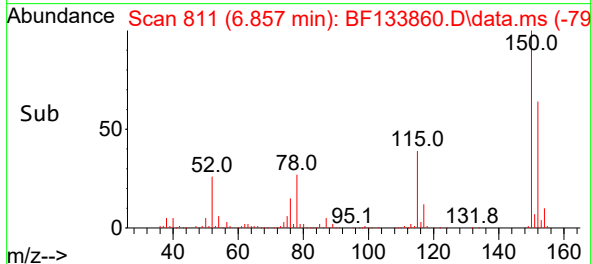
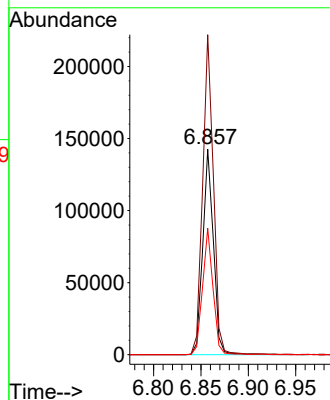
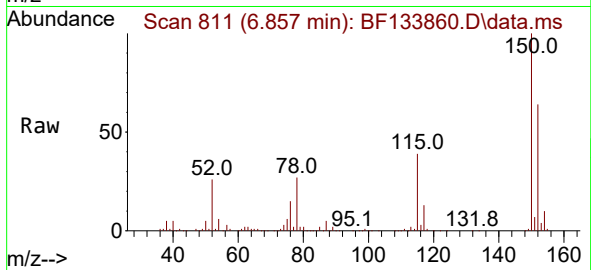




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

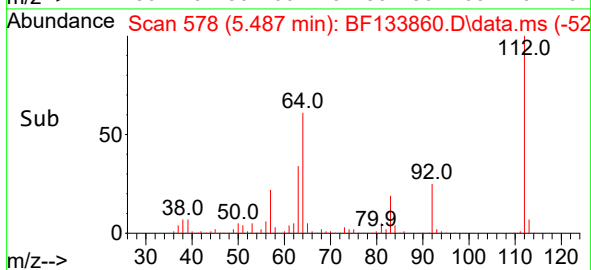
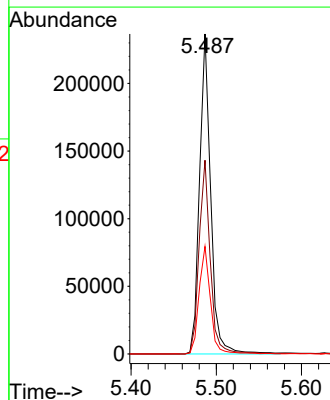
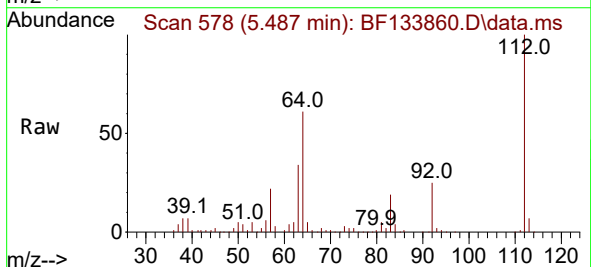
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

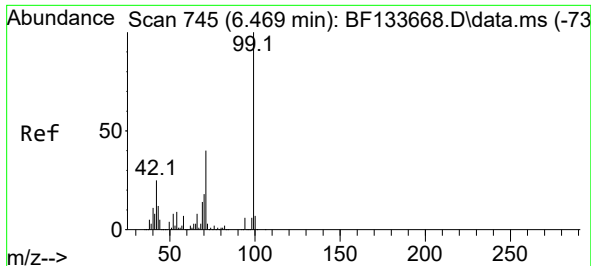
Tgt Ion:152 Resp: 111485
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 61.5 48.5 72.7



#5
2-Fluorophenol
Concen: 33.729 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion:112 Resp: 215996
Ion Ratio Lower Upper
112 100
64 60.6 49.0 73.4
63 33.6 26.8 40.2

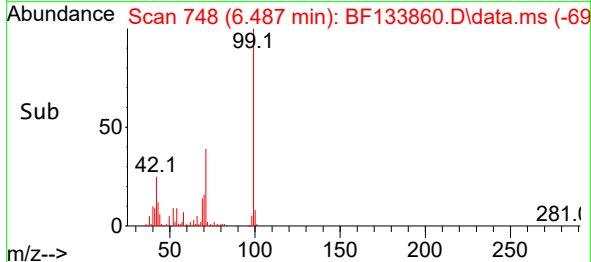
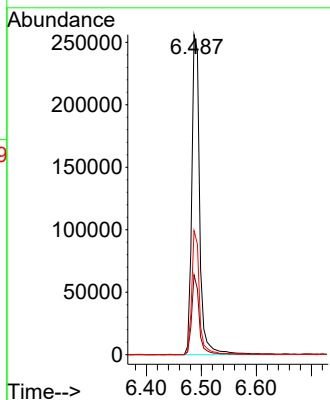
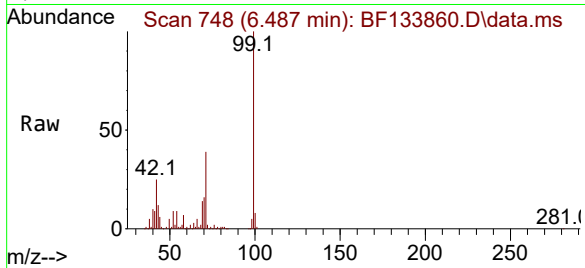




#7
Phenol-d6
Concen: 30.691 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

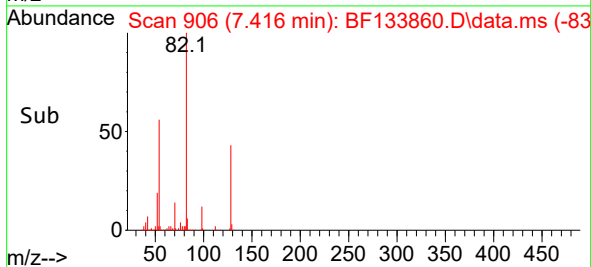
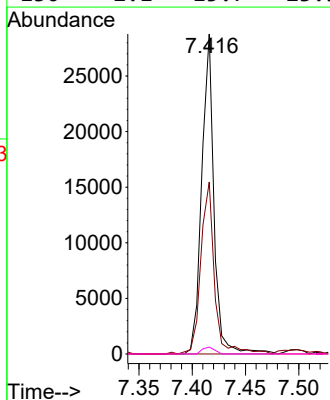
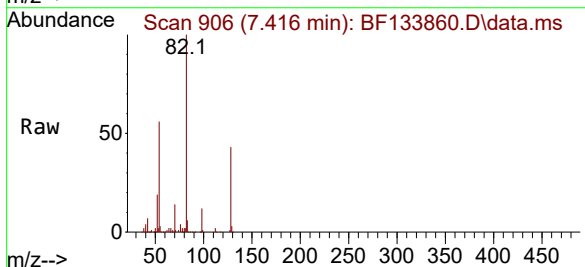
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

Tgt Ion: 99 Resp: 255833
Ion Ratio Lower Upper
99 100
42 25.0 19.9 29.9
71 38.7 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.359 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

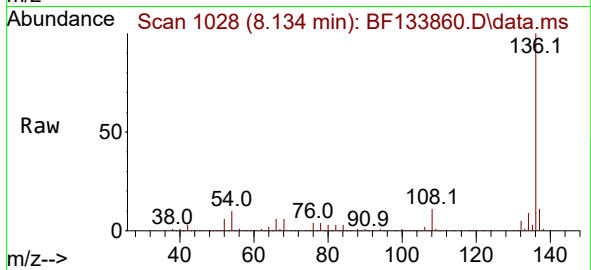
Tgt Ion: 70 Resp: 23116
Ion Ratio Lower Upper
70 100
42 53.7 55.8 83.8#
101 0.0 8.1 12.1#
130 2.1 15.7 23.5#



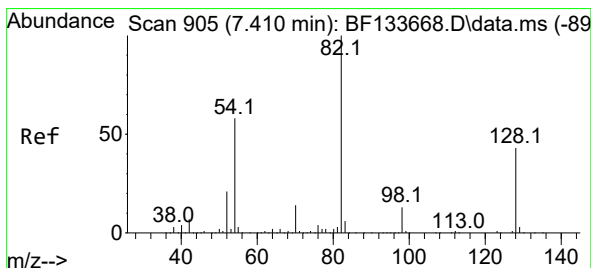
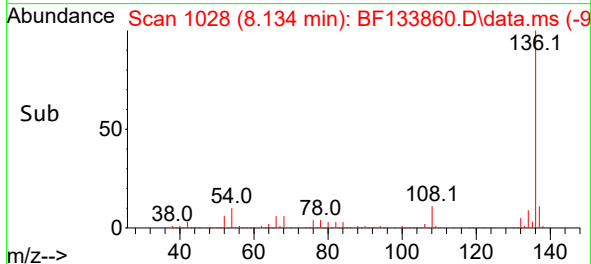
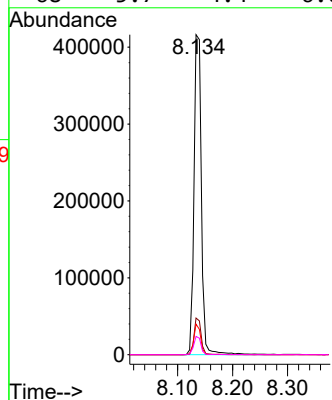


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

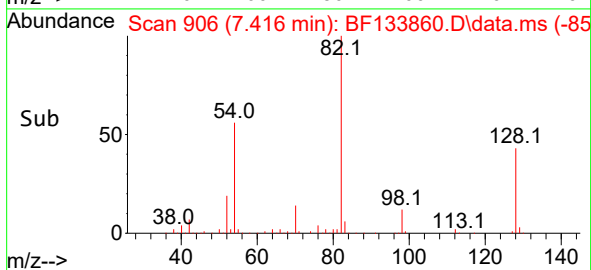
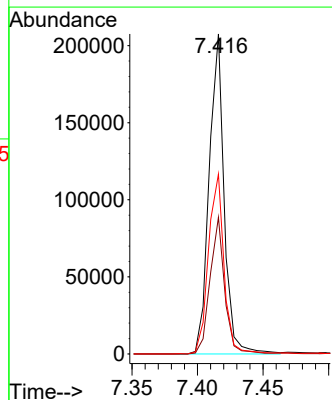
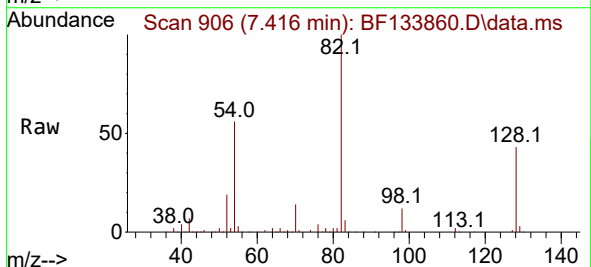


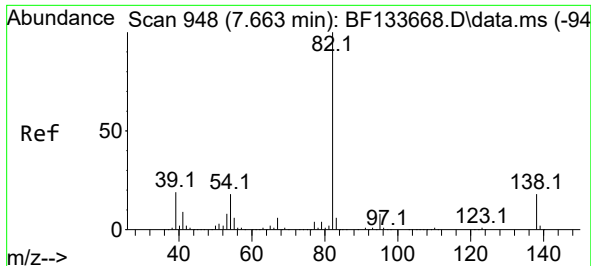
Tgt Ion:136 Resp: 387158
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 9.6 7.4 11.0
68 5.7 4.4 6.6



#23
Nitrobenzene-d5
Concen: 23.278 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion: 82 Resp: 165461
Ion Ratio Lower Upper
82 100
128 42.7 34.2 51.2
54 56.2 46.5 69.7

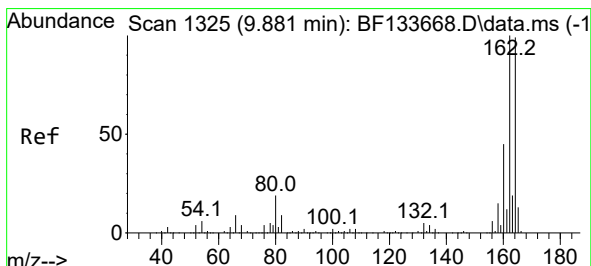
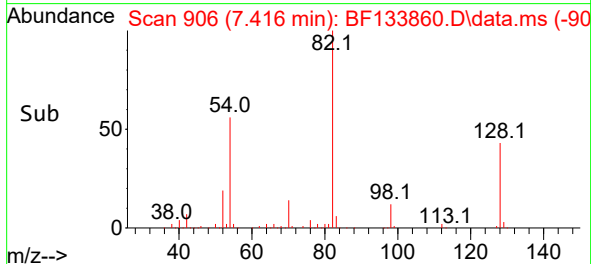
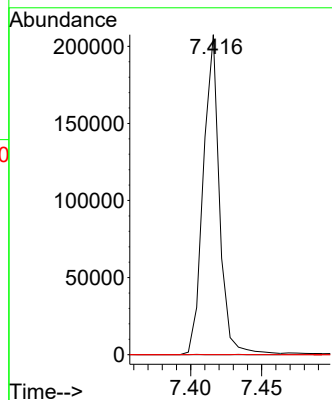
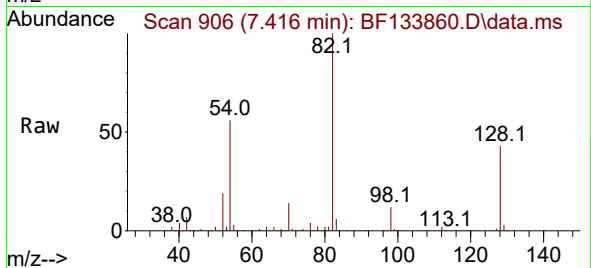




#25
Isophorone
Concen: 12.679 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

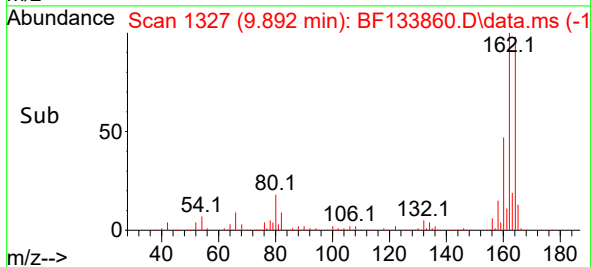
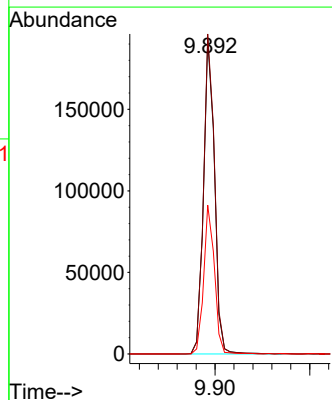
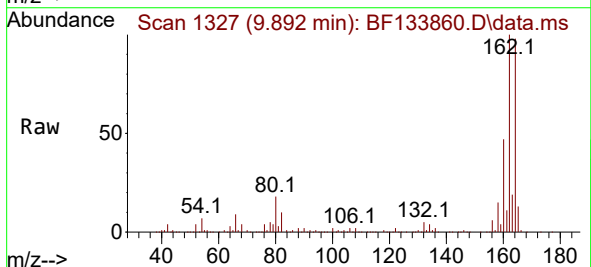
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

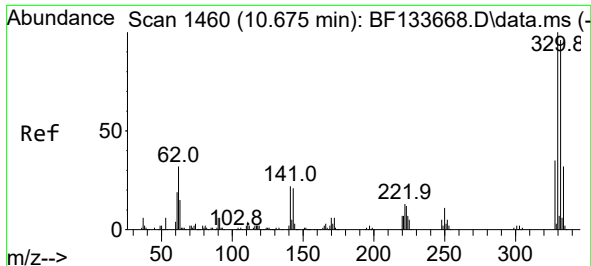
Tgt Ion: 82 Resp: 165458
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

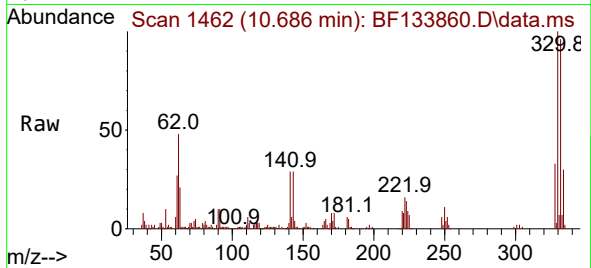
Tgt Ion:164 Resp: 156441
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 47.3 36.7 55.1



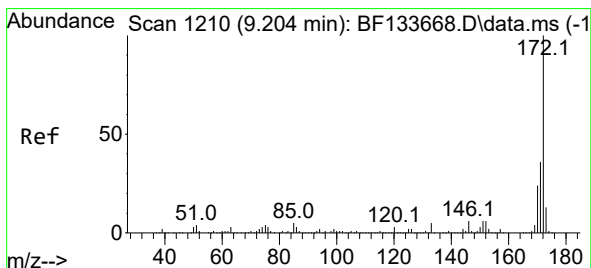
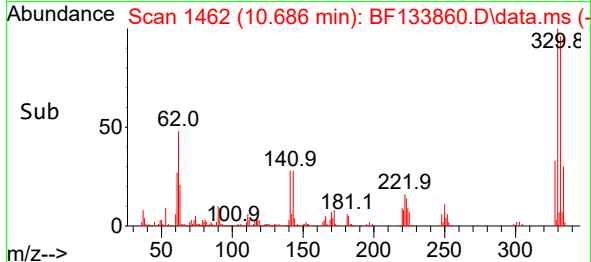
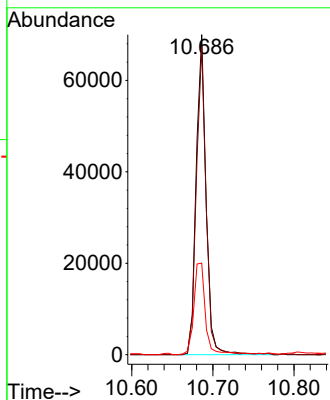


#42
2,4,6-Tribromophenol
Concen: 30.153 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

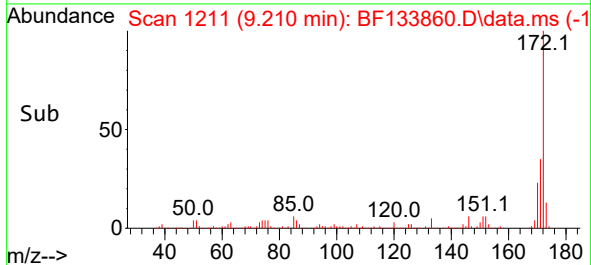
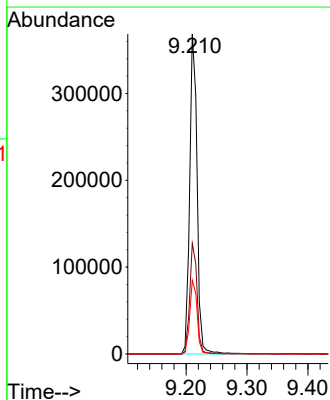
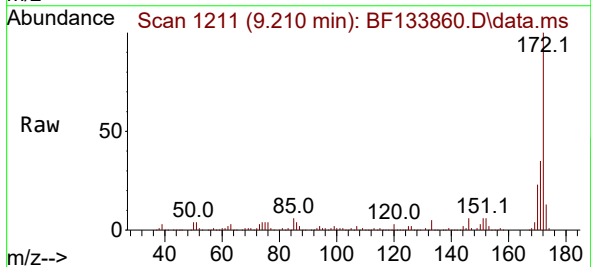


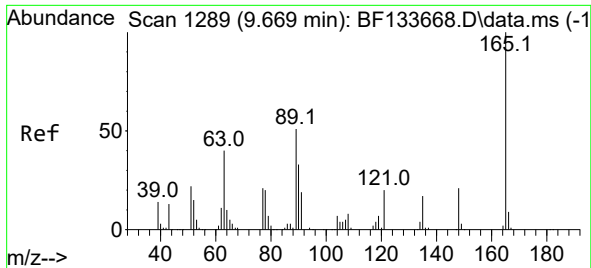
Tgt Ion:330 Resp: 59711
Ion Ratio Lower Upper
330 100
332 94.1 77.2 115.8
141 33.8 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 28.354 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion:172 Resp: 312043
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 23.0 19.1 28.7

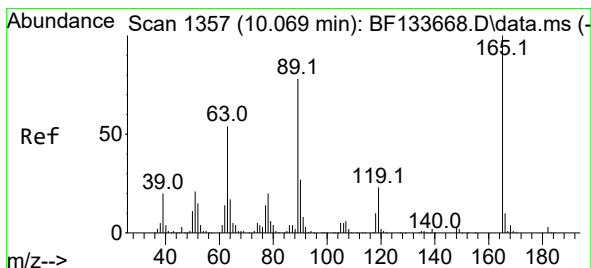
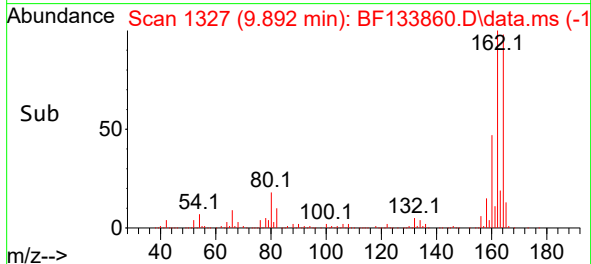
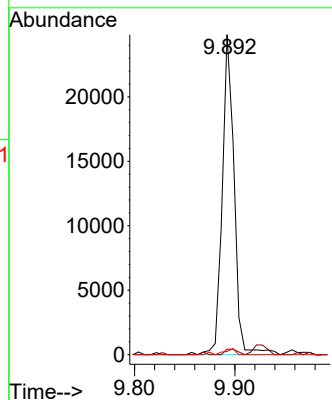
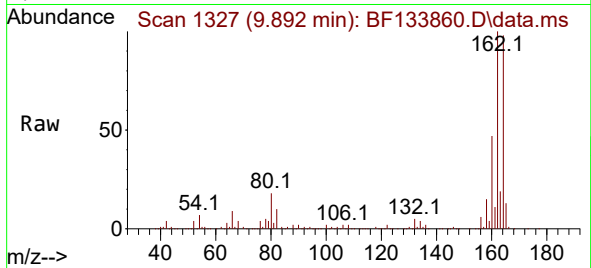




#51
2,6-Dinitrotoluene
Concen: 8.447 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

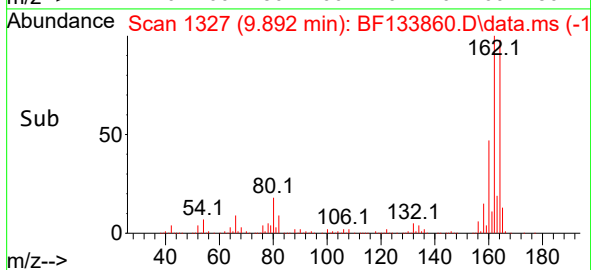
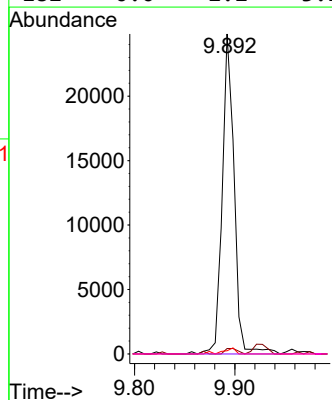
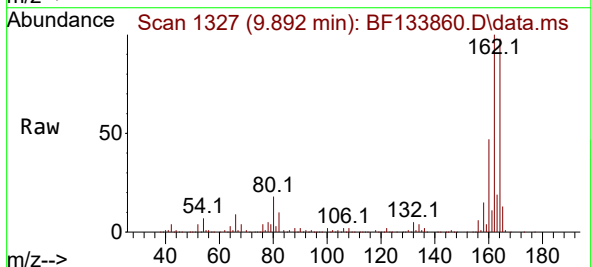
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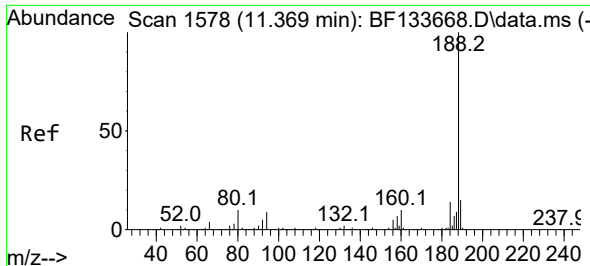
Tgt Ion:165 Resp: 20360
Ion Ratio Lower Upper
165 100
63 1.7 42.1 63.1#
89 1.0 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.642 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion:165 Resp: 20360
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 1.0 62.6 93.8#
182 0.0 2.2 3.2#

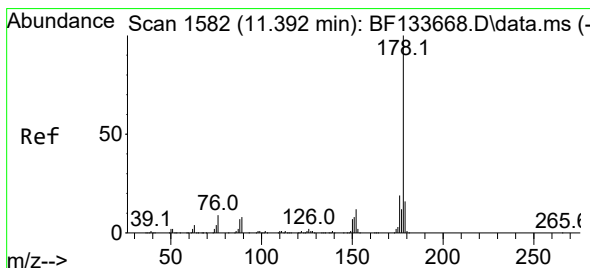
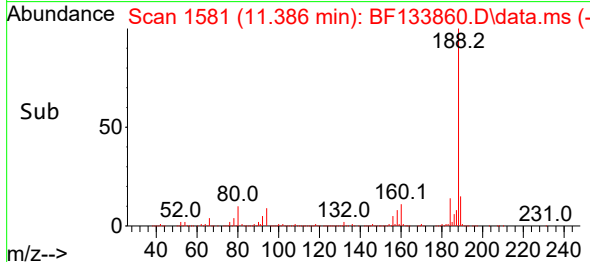
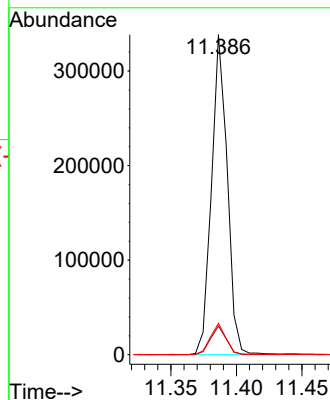
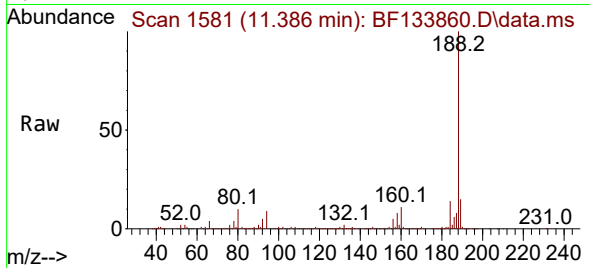




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

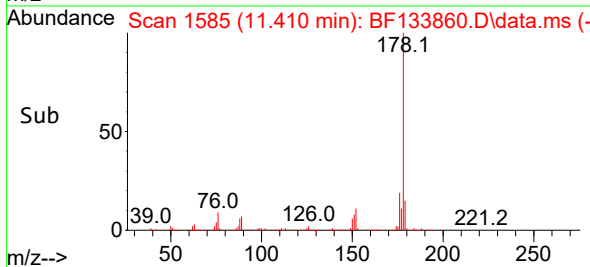
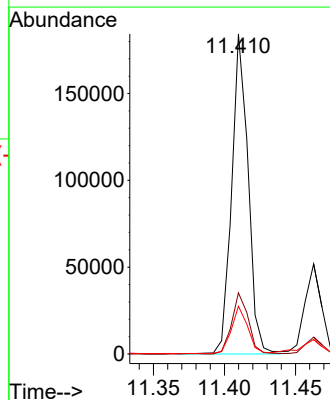
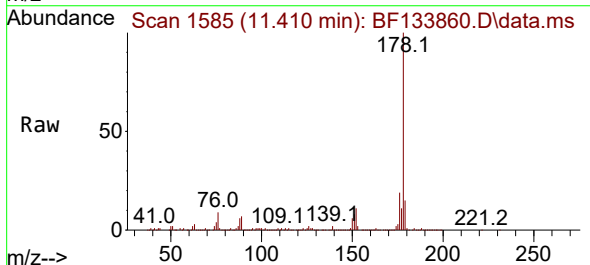
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

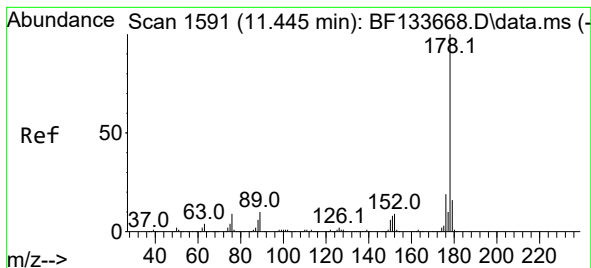
Tgt Ion:188 Resp: 282964
Ion Ratio Lower Upper
188 100
94 8.9 6.8 10.2
80 9.8 7.8 11.6



#71
Phenanthrene
Concen: 10.345 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion:178 Resp: 148512
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.4 18.6





#72

Anthracene

Concen: 2.731 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

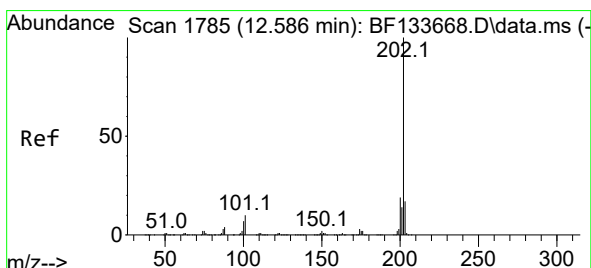
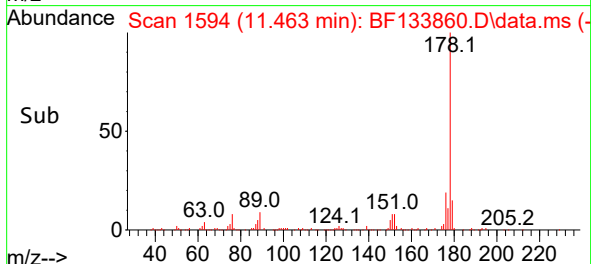
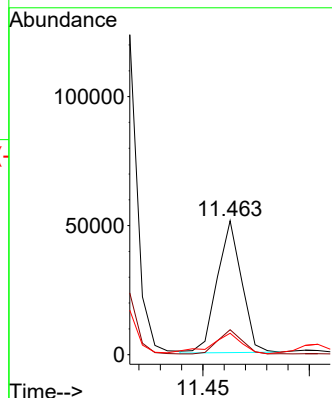
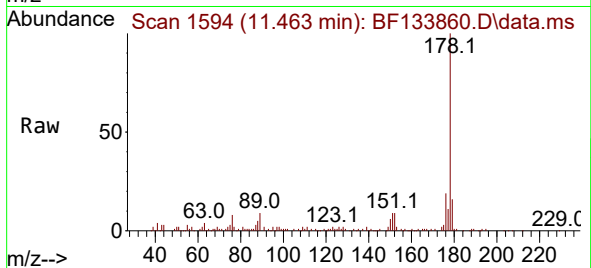
Tgt Ion:178 Resp: 40881

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 16.0 12.6 18.8



#75

Fluoranthene

Concen: 20.255 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

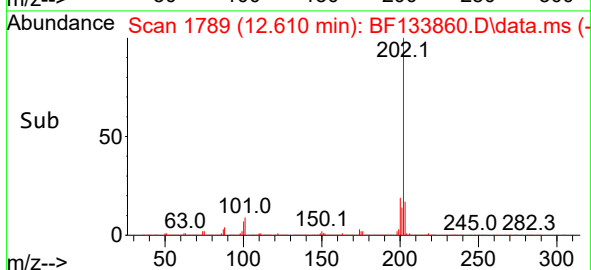
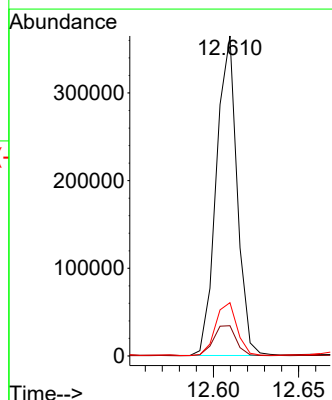
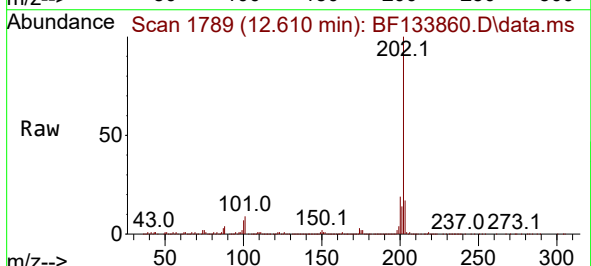
Tgt Ion:202 Resp: 308797

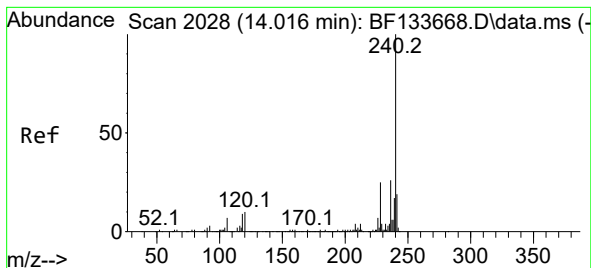
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

203 16.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

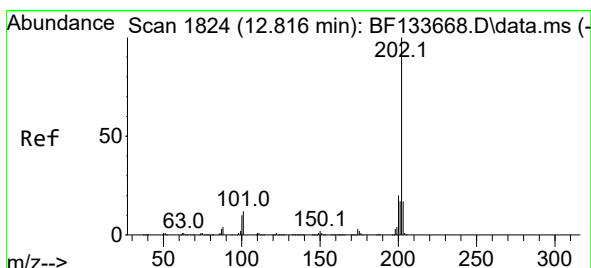
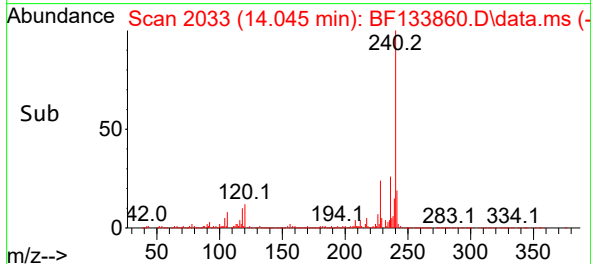
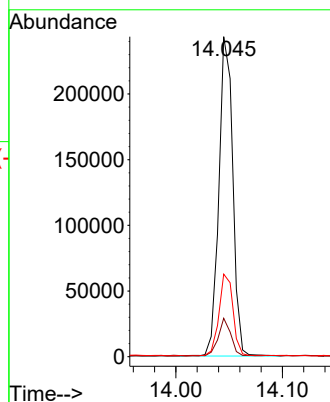
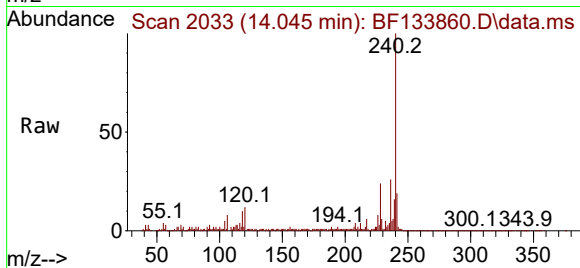
Tgt Ion:240 Resp: 219908

Ion Ratio Lower Upper

240 100

120 12.0 8.1 12.1

236 25.8 20.5 30.7



#78

Pyrene

Concen: 15.186 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

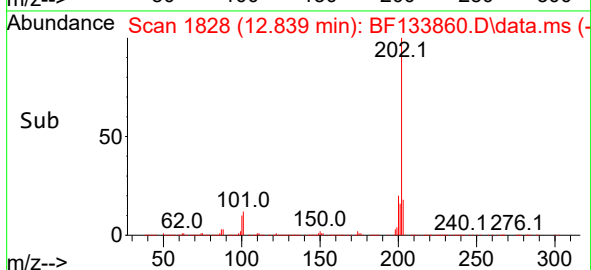
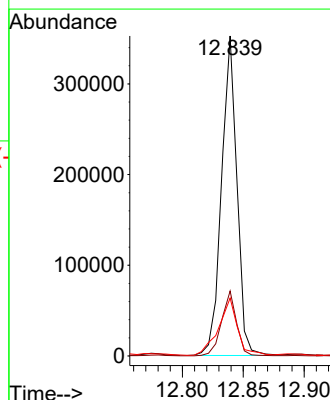
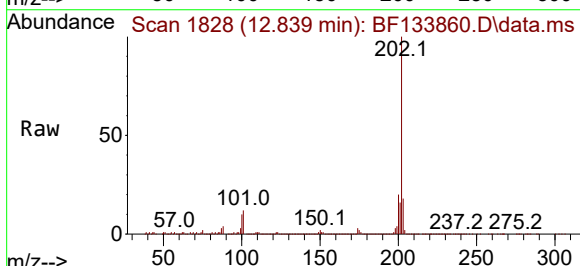
Tgt Ion:202 Resp: 311086

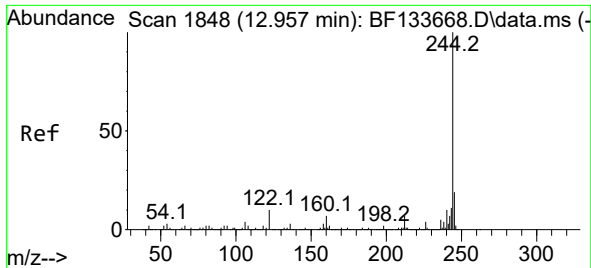
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 18.1 13.9 20.9

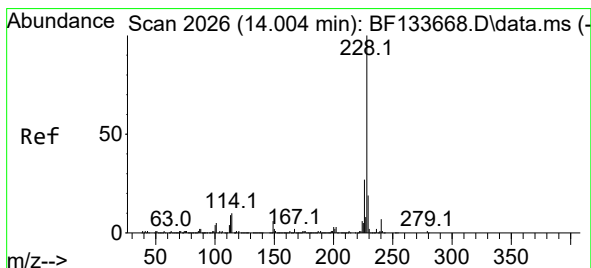
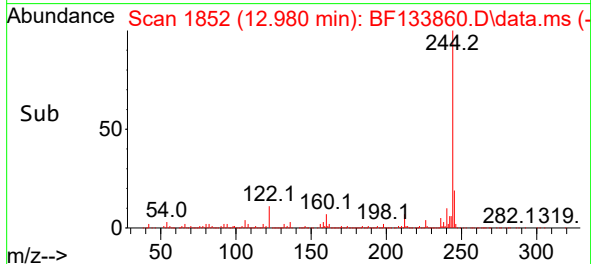
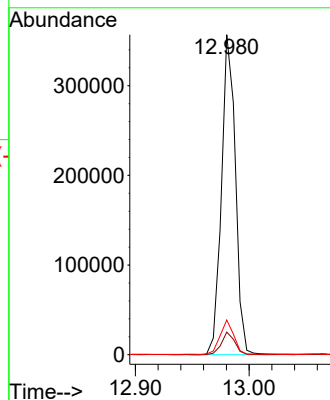
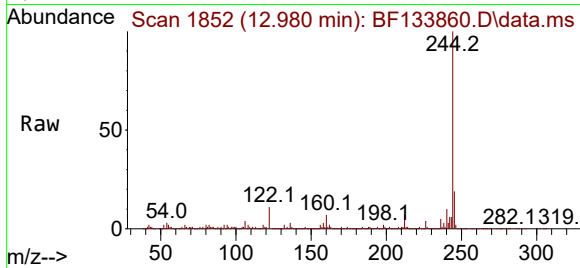




#79
 Terphenyl-d14
 Concen: 21.477 ng
 RT: 12.980 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133860.D
 Acq: 20 Jun 2023 17:14

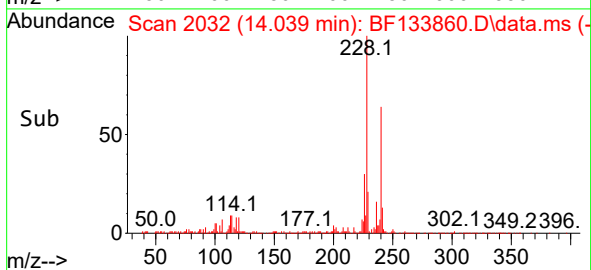
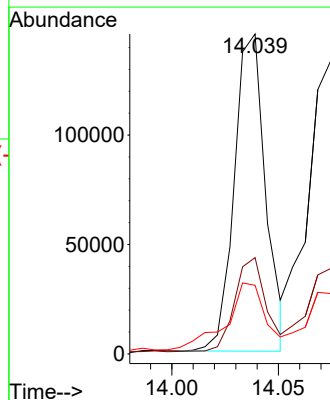
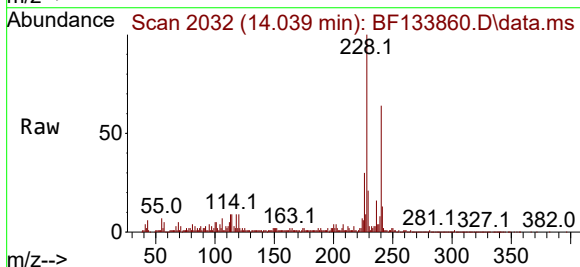
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

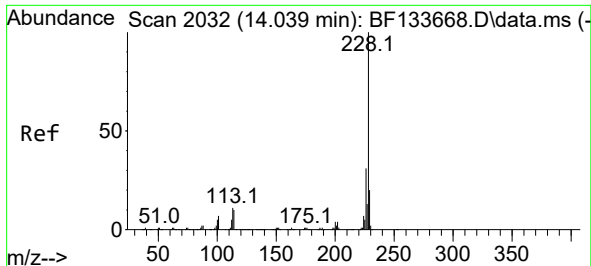
Tgt Ion:244 Resp: 305228
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 9.745 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133860.D
 Acq: 20 Jun 2023 17:14

Tgt Ion:228 Resp: 148238
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.7 32.5
 229 21.4 15.4 23.2

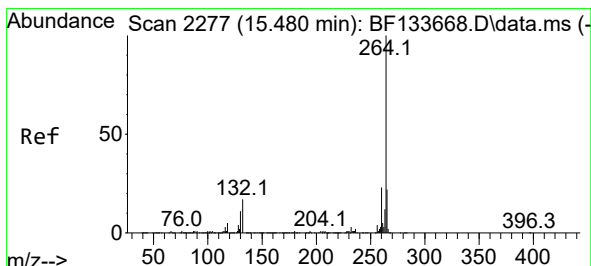
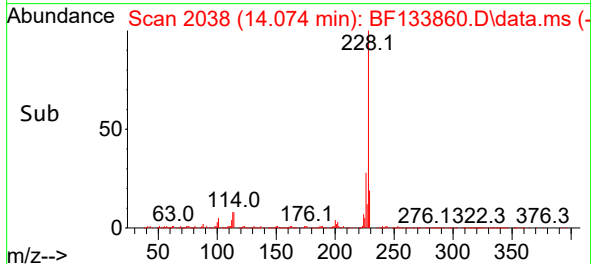
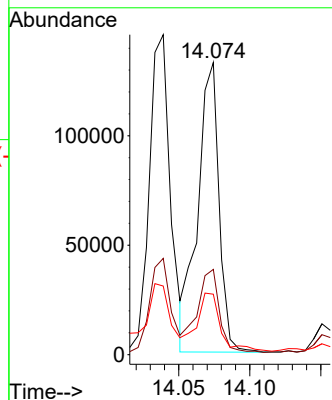
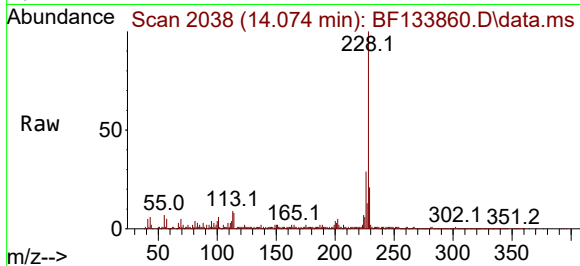




#83
Chrysene
Concen: 9.622 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

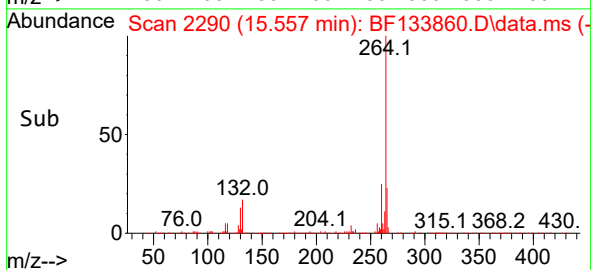
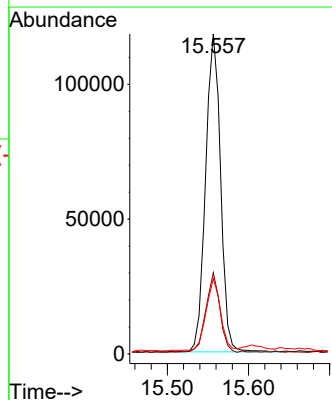
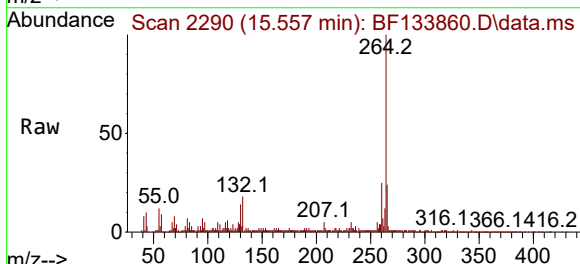
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

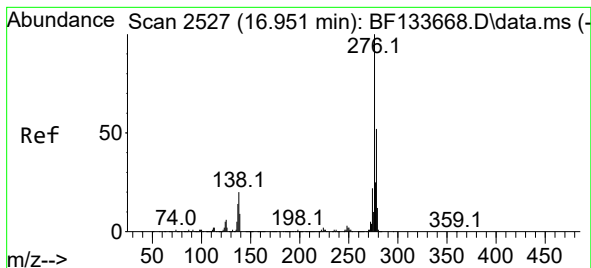
Tgt Ion:228 Resp: 138428
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 20.7 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133860.D
Acq: 20 Jun 2023 17:14

Tgt Ion:264 Resp: 150923
Ion Ratio Lower Upper
264 100
260 25.4 18.2 27.2
265 23.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.783 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

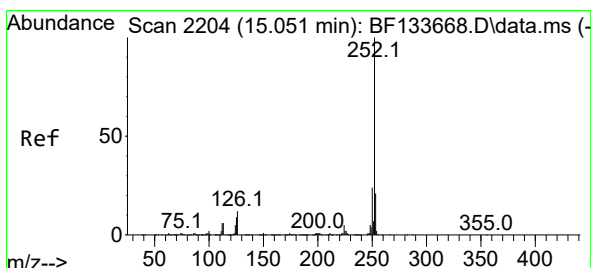
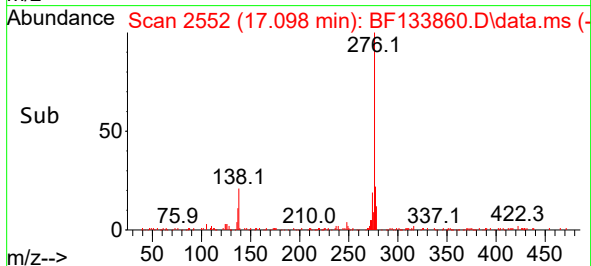
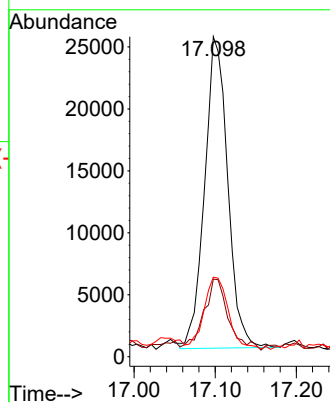
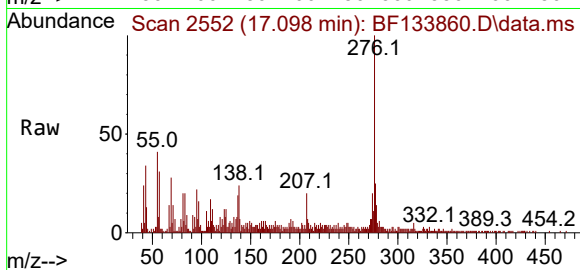
Tgt Ion:276 Resp: 49663

Ion Ratio Lower Upper

276 100

138 24.5 17.9 26.9

277 24.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 18.991 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

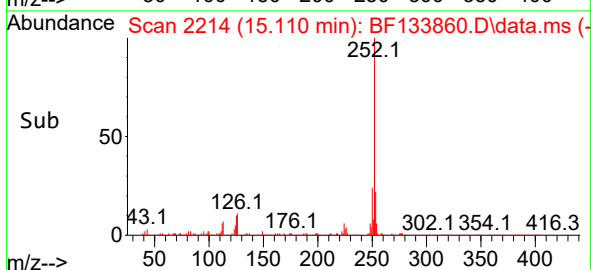
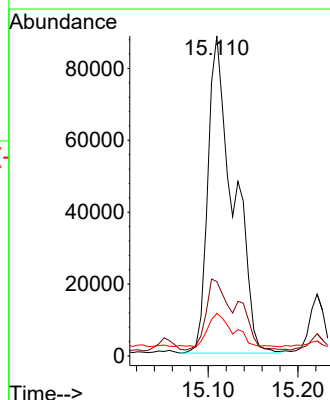
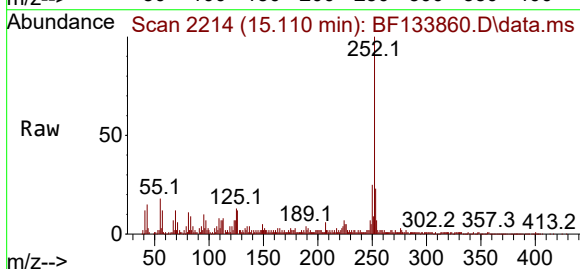
Tgt Ion:252 Resp: 174105

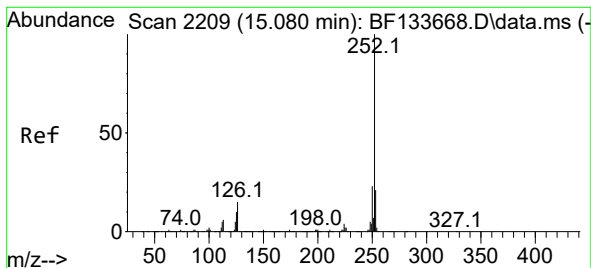
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 13.3 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 19.495 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

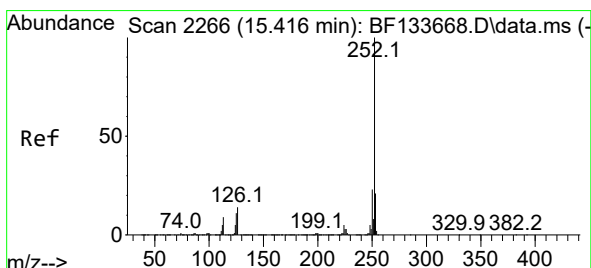
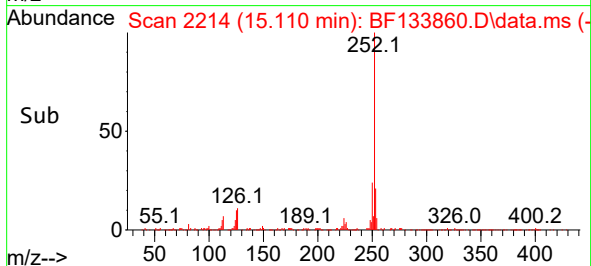
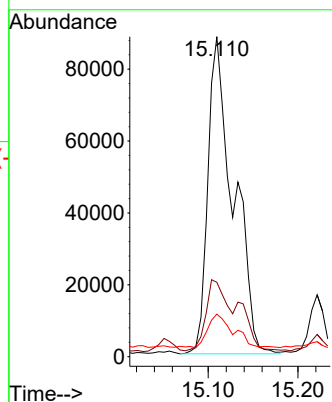
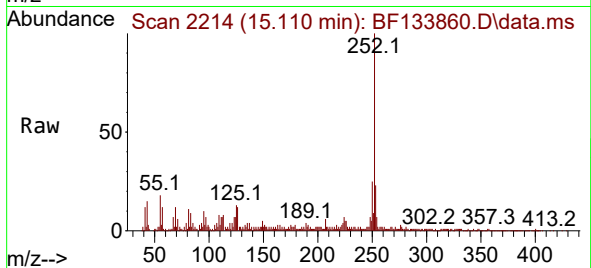
Tgt Ion:252 Resp: 174105

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 13.3 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 10.252 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF133860.D

Acq: 20 Jun 2023 17:14

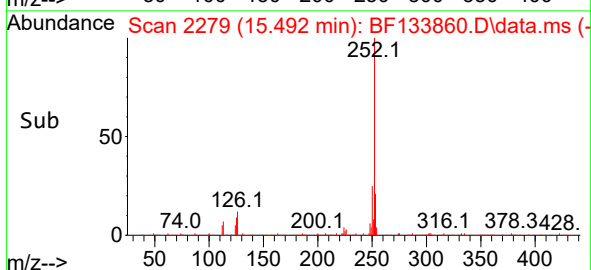
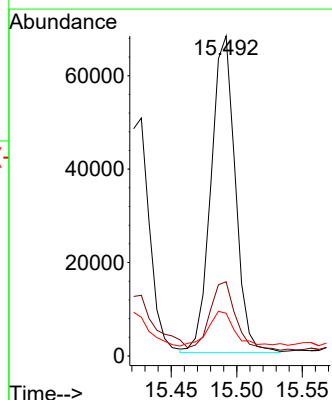
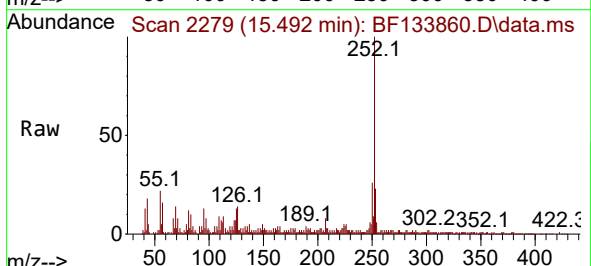
Tgt Ion:252 Resp: 87233

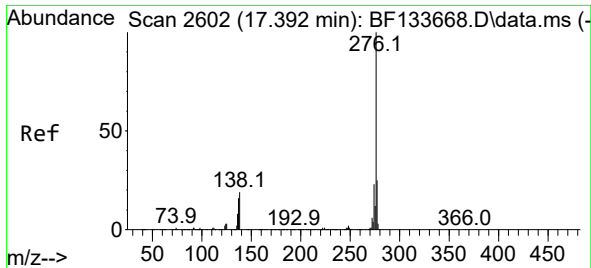
Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 13.4 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.936 ng

RT: 17.568 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133860.D

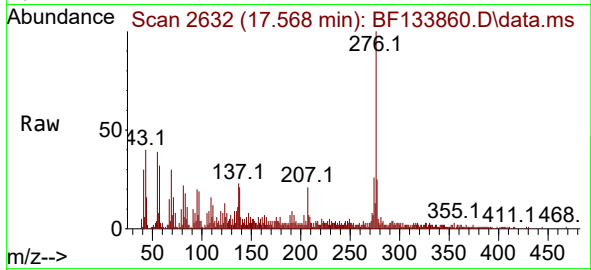
Acq: 20 Jun 2023 17:14

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP



Tgt Ion:276 Resp: 50588

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.8

138 21.3 15.0 22.4

