

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134018.D
 Acq On : 28 Jun 2023 07:27
 Operator : CG\JU
 Sample : 03355-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

Quant Time: Jun 28 07:54:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

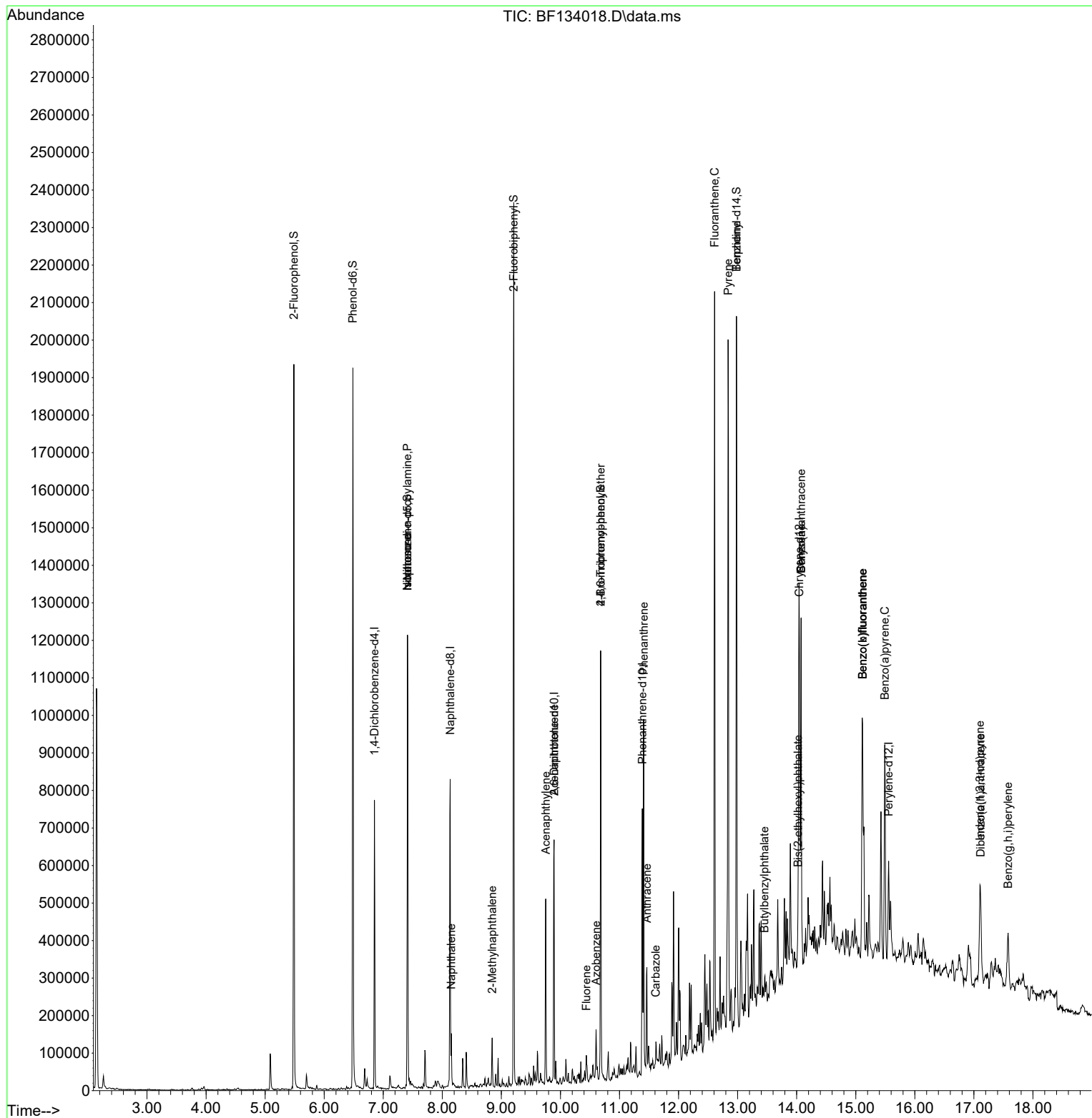
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	100818	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	351777	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	128281	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	257040	20.000	ng	0.00
76) Chrysene-d12	14.045	240	149418	20.000	ng	# 0.00
86) Perylene-d12	15.556	264	126459	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	464292	77.035	ng	0.00
7) Phenol-d6	6.486	99	552216	74.503	ng	0.00
23) Nitrobenzene-d5	7.410	82	358433	54.925	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	122549	76.194	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	664511	75.313	ng	0.00
79) Terphenyl-d14	12.980	244	638185	68.741	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	1130	Below Cal	#	30
19) n-Nitroso-di-n-propyla...	7.410	70	49653	10.563	ng	# 80
25) Isophorone	7.410	82	358430	30.221	ng	# 64
31) Naphthalene	8.151	128	48916	2.879	ng	99
37) 2-Methylnaphthalene	8.845	142	25171	2.095	ng	99
49) Acenaphthylene	9.751	152	197560	15.361	ng	99
51) 2,6-Dinitrotoluene	9.892	165	16804	8.378	ng	# 24
58) Fluorene	10.439	166	22371	2.465	ng	93
63) Azobenzene	10.604	77	18499	2.016	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	7864	2.878	ng	# 1
71) Phenanthrene	11.410	178	311821	24.098	ng	98
72) Anthracene	11.463	178	120761	8.973	ng	99
73) Carbazole	11.616	167	26391	2.142	ng	# 97
75) Fluoranthene	12.610	202	769452	55.004	ng	99
77) Benzidine	12.980	184	9287	2.612	ng	96
78) Pyrene	12.839	202	813375	58.494	ng	100
80) Butylbenzylphthalate	13.457	149	16015	3.071	ng	# 84
81) Benzo(a)anthracene	14.074	228	360161	34.756	ng	95
83) Chrysene	14.074	228	360161	35.885	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	25416	4.241	ng	95
87) Indeno(1,2,3-cd)pyrene	17.103	276	202747	23.105	ng	95
88) Benzo(b)fluoranthene	15.115	252	519481	69.861	ng	97
89) Benzo(k)fluoranthene	15.115	252	519481	68.616	ng	96
90) Benzo(a)pyrene	15.492	252	272669	37.921	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	49174	6.861	ng	# 88
92) Benzo(g,h,i)perylene	17.580	276	168254	22.764	ng	99

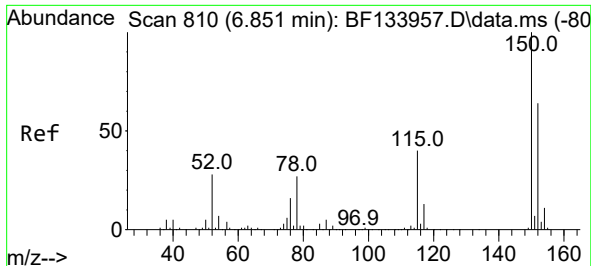
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
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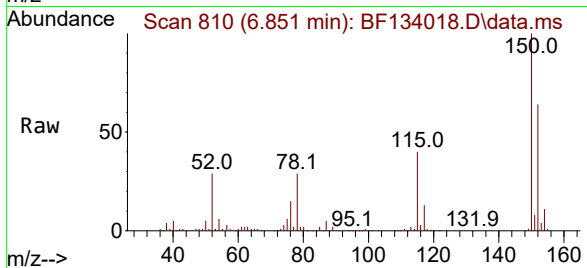
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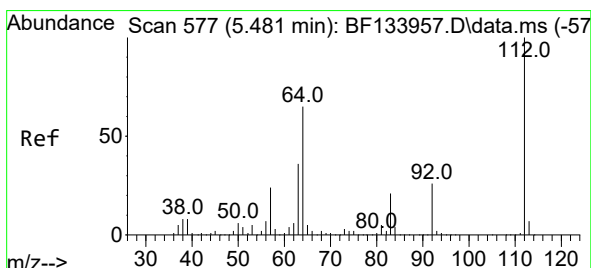
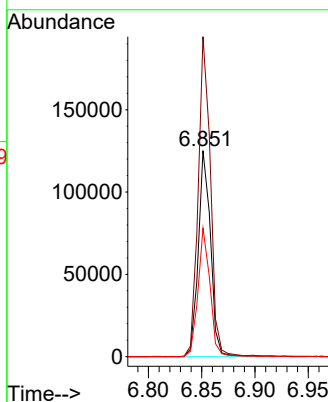
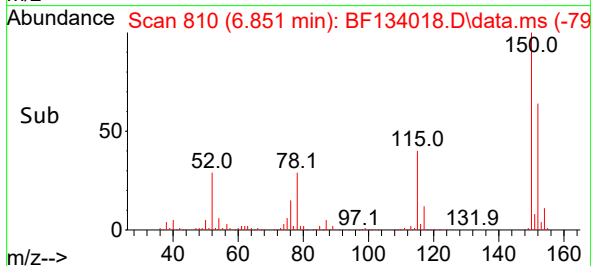


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

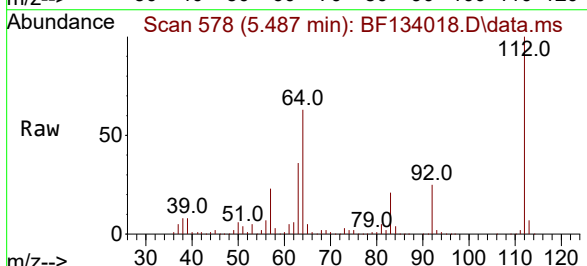
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BNA_F
ClientSampleId :
SB-07-COMP



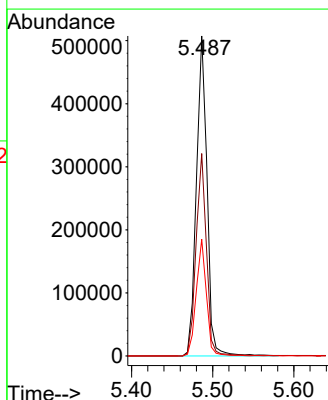
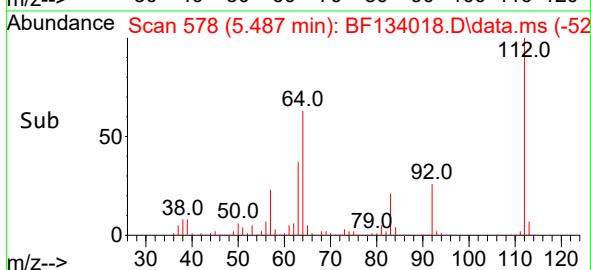
Tgt Ion:152 Resp: 100818
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 62.3 50.2 75.2

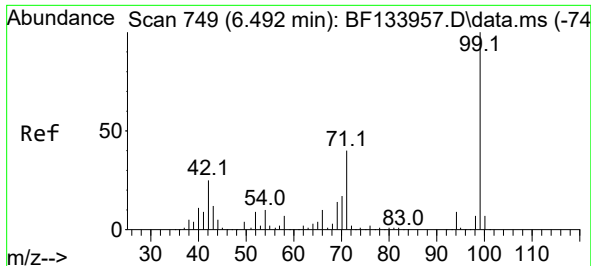


#5
2-Fluorophenol
Concen: 77.035 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27



Tgt Ion:112 Resp: 464292
Ion Ratio Lower Upper
112 100
64 63.2 52.1 78.1
63 36.5 28.6 42.8

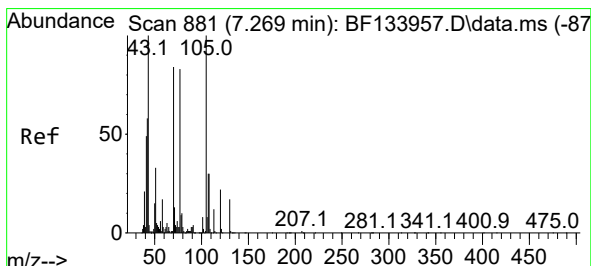
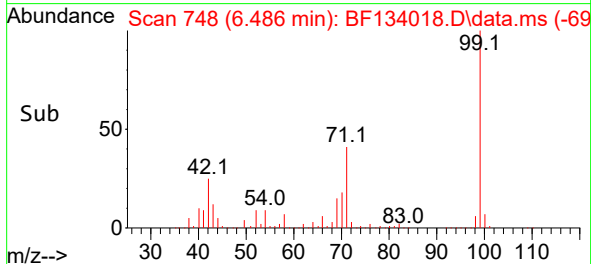
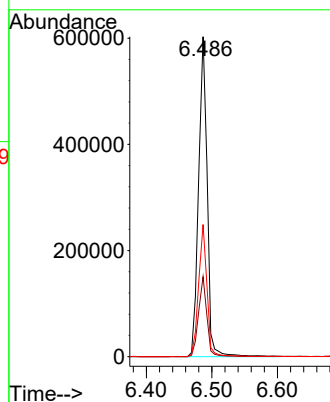
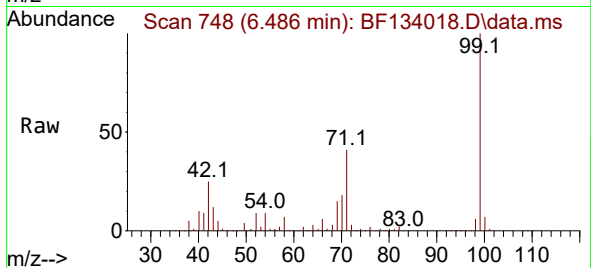




#7
Phenol-d6
Concen: 74.503 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

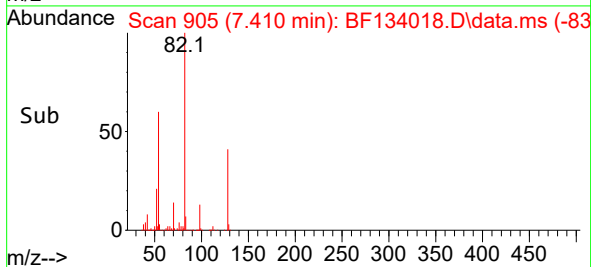
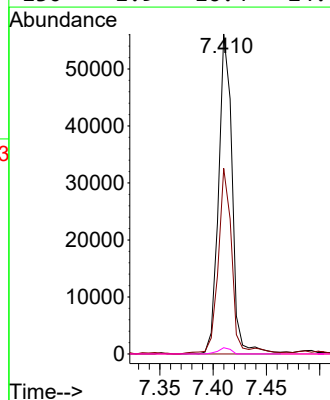
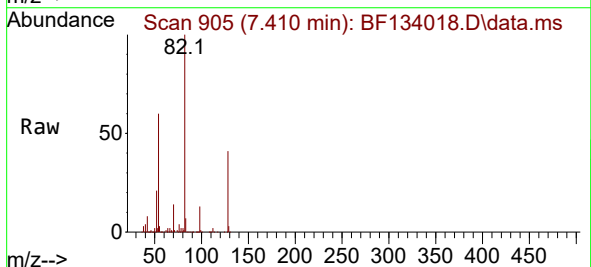
Instrument :
BNA_F
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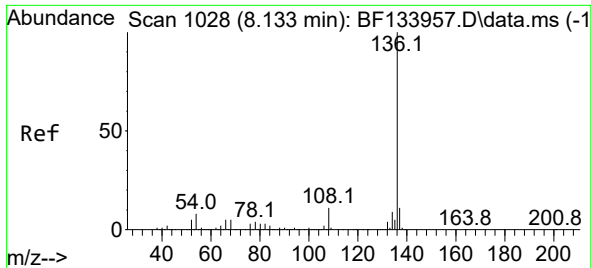
Tgt Ion: 99 Resp: 552216
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.6
71 41.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.563 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion: 70 Resp: 49653
Ion Ratio Lower Upper
70 100
42 58.0 54.7 82.1
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

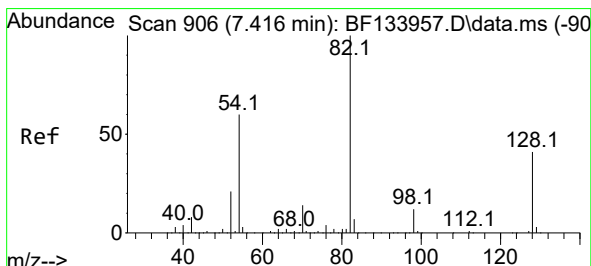
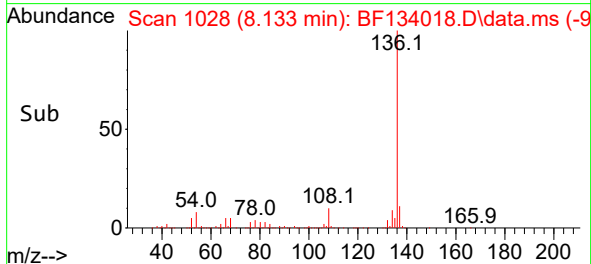
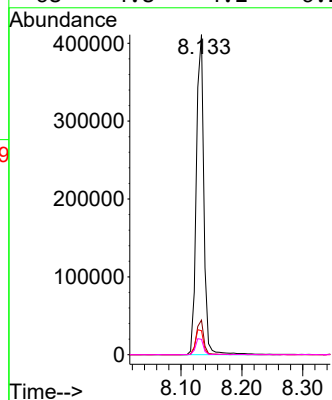
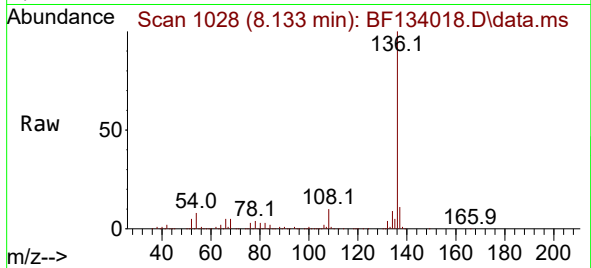




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

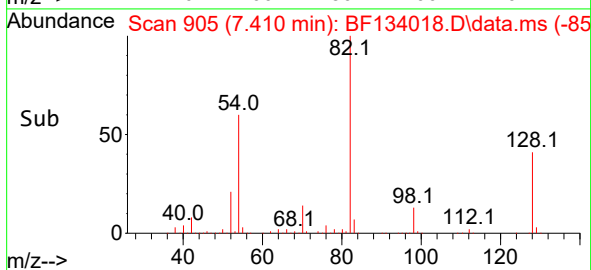
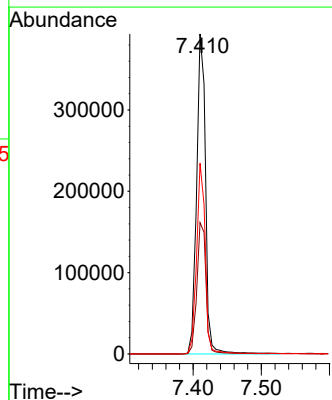
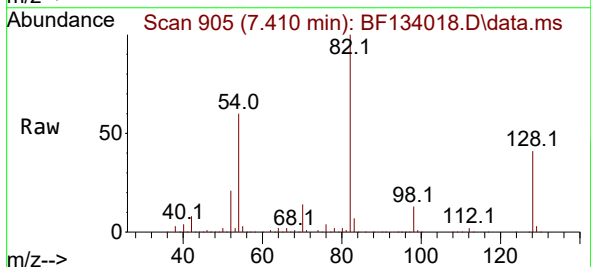
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Tgt Ion:136 Resp: 351777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.5 6.5 9.7
68 4.8 4.2 6.2



#23
Nitrobenzene-d5
Concen: 54.925 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion: 82 Resp: 358433
Ion Ratio Lower Upper
82 100
128 41.1 32.5 48.7
54 59.6 48.2 72.2

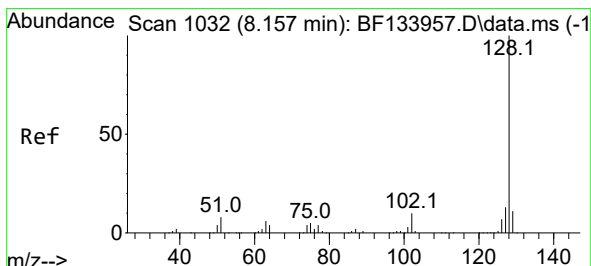
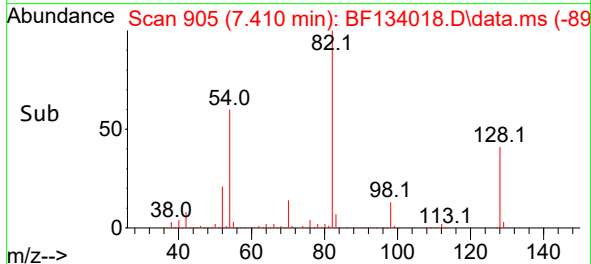
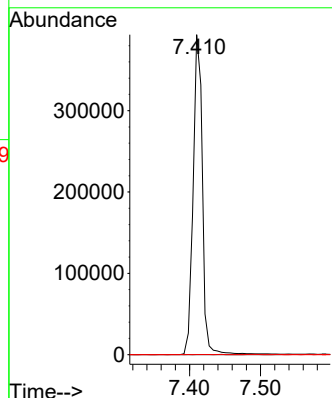
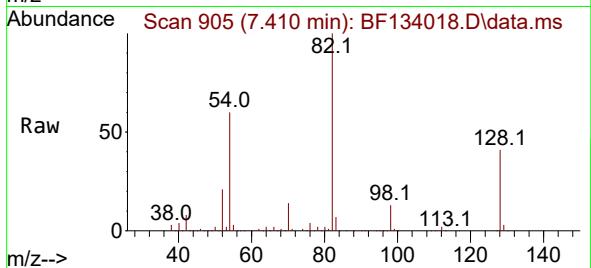




#25
Isophorone
Concen: 30.221 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

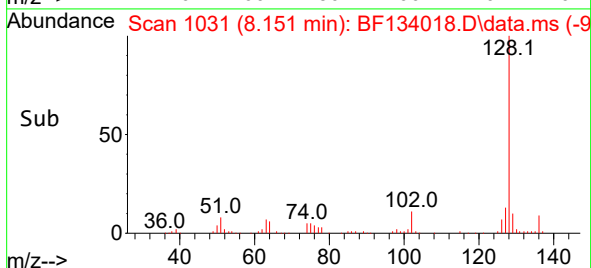
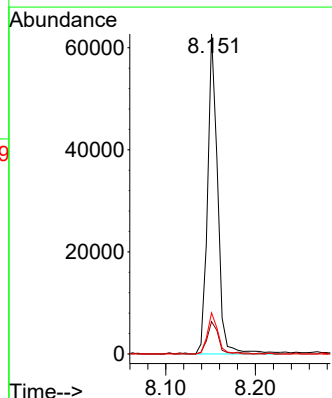
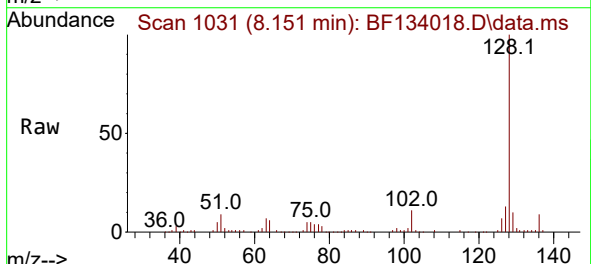
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ClientSampleId :
SB-07-COMP

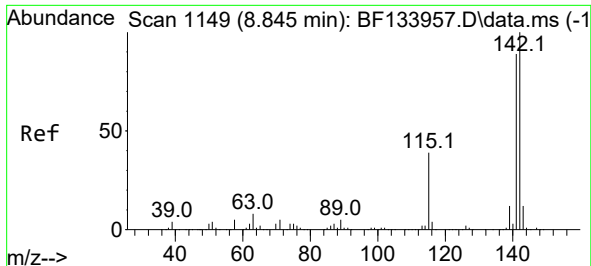
Tgt Ion: 82 Resp: 358430
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.879 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion: 128 Resp: 48916
Ion Ratio Lower Upper
128 100
129 10.1 8.7 13.1
127 12.9 10.6 15.8

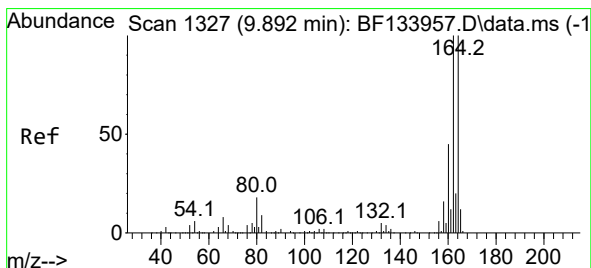
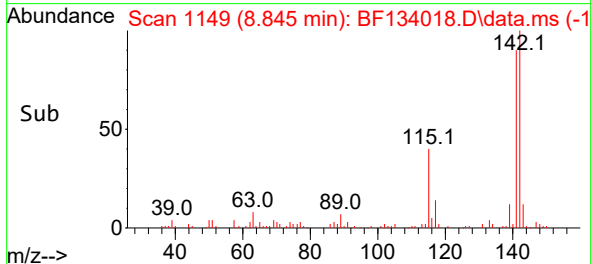
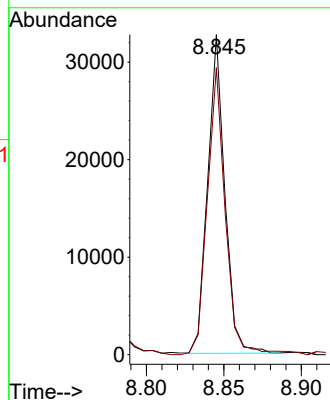
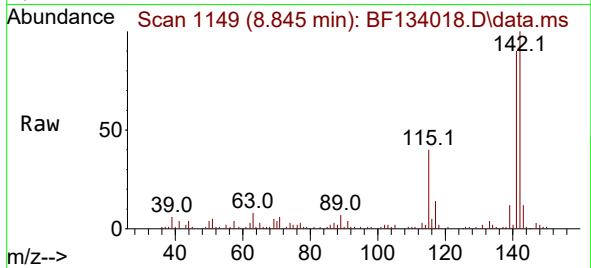




#37
2-Methylnaphthalene
Concen: 2.095 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

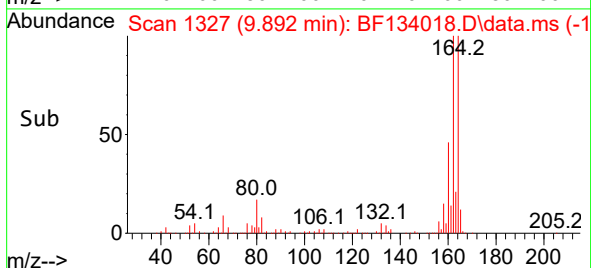
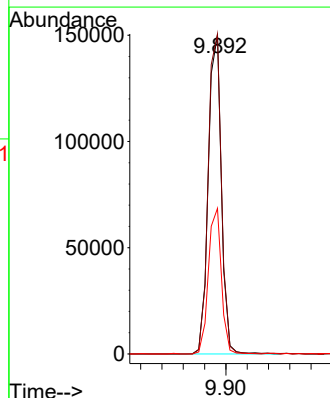
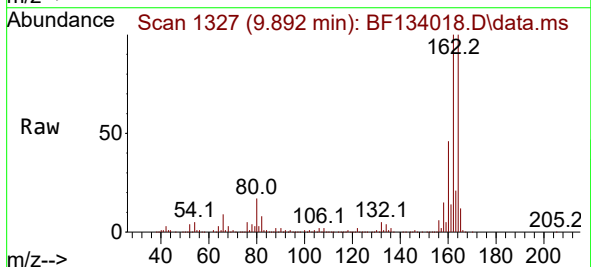
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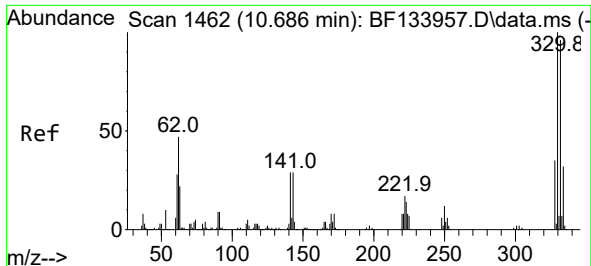
Tgt Ion:142 Resp: 25171
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion:164 Resp: 128281
Ion Ratio Lower Upper
164 100
162 100.3 80.0 120.0
160 45.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 76.194 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134018.D

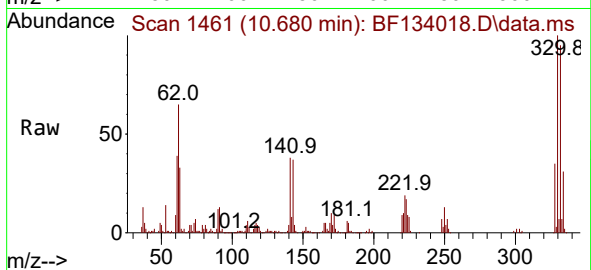
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Instrument :

BNA_F

ClientSampleId :

SB-07-COMP



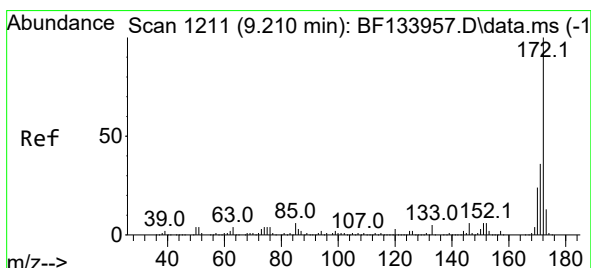
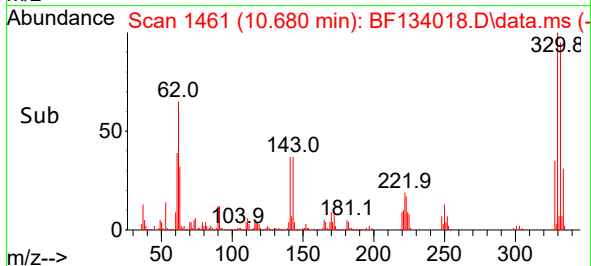
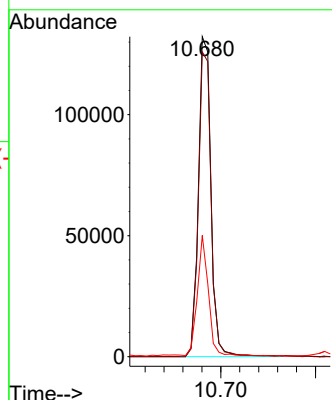
Tgt Ion:330 Resp: 122549

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 33.5 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 75.313 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

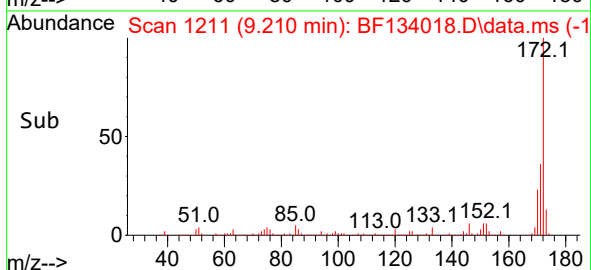
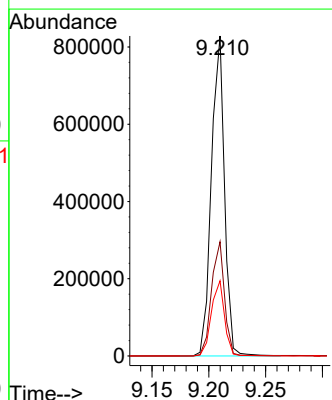
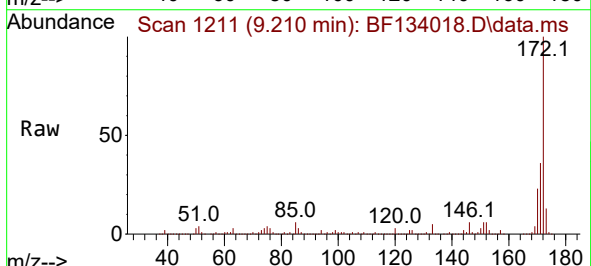
Tgt Ion:172 Resp: 664511

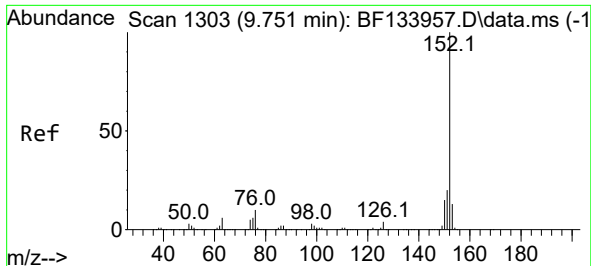
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.5 19.4 29.0

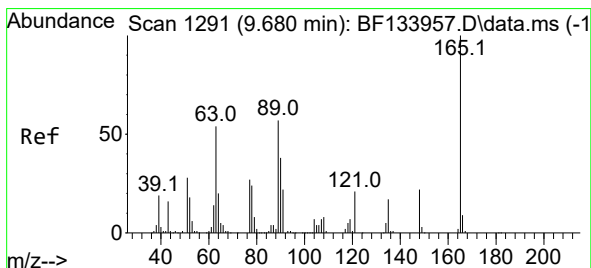
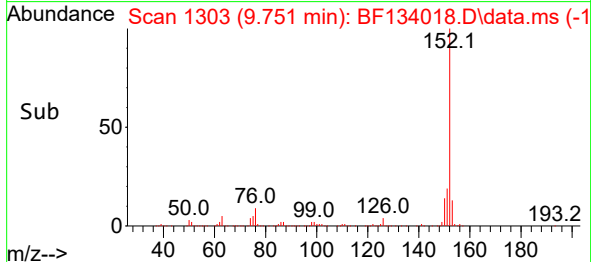
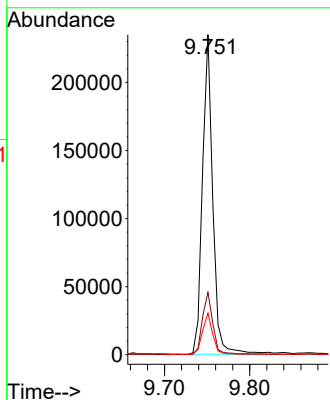
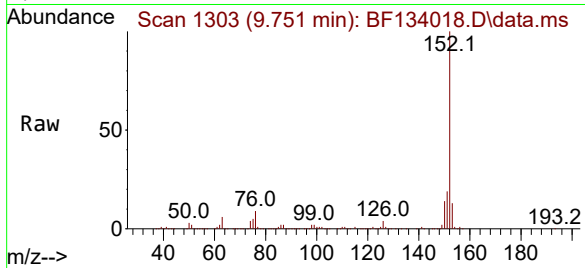




#49
Acenaphthylene
Concen: 15.361 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

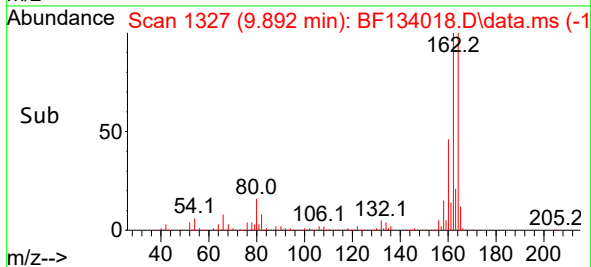
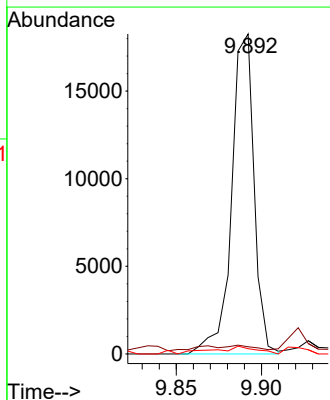
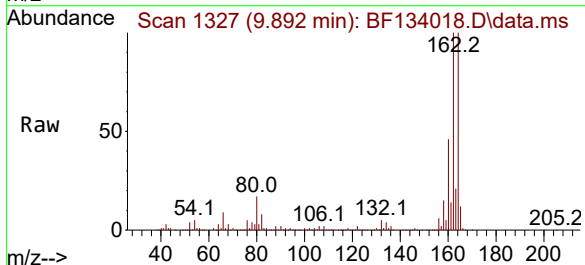
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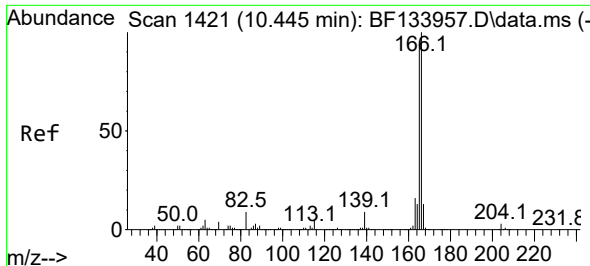
Tgt Ion:152 Resp: 197560
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 13.0 10.8 16.2



#51
2,6-Dinitrotoluene
Concen: 8.378 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion:165 Resp: 16804
Ion Ratio Lower Upper
165 100
63 2.3 48.5 72.7#
89 1.7 45.5 68.3#

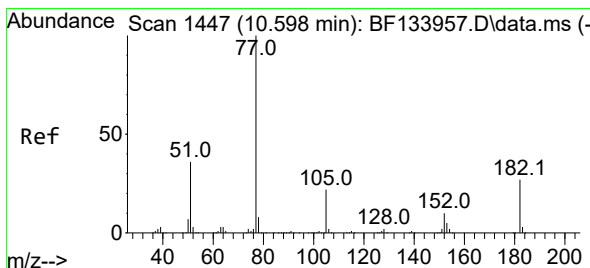
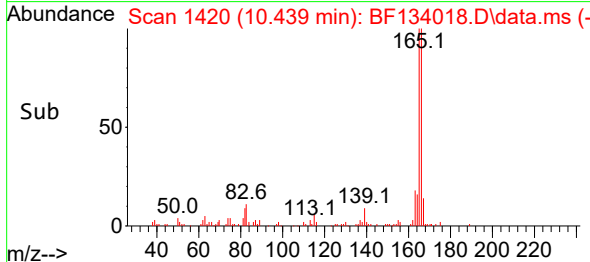
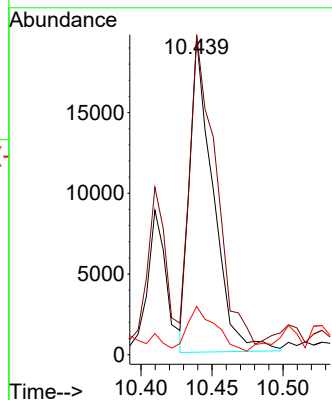
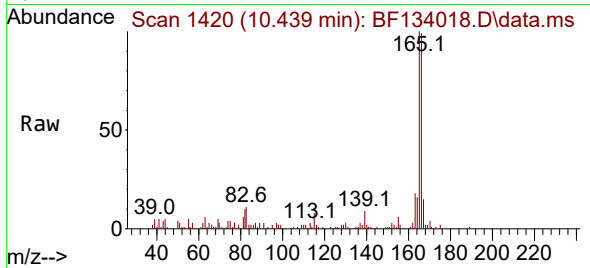




#58
Fluorene
Concen: 2.465 ng
RT: 10.439 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

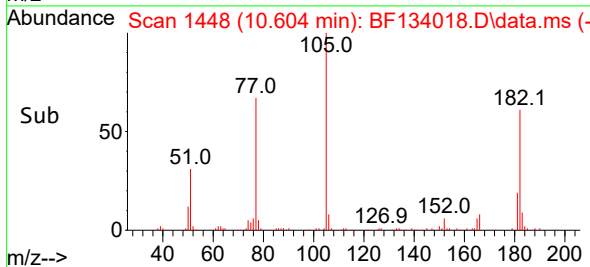
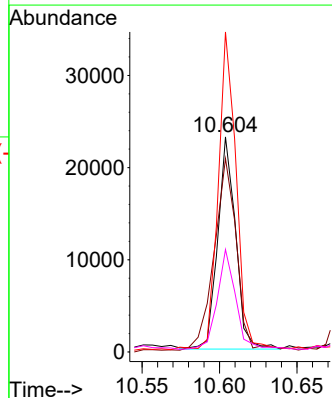
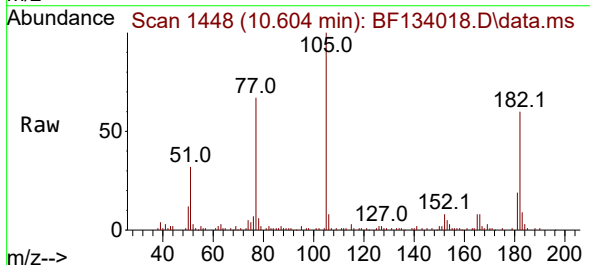
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

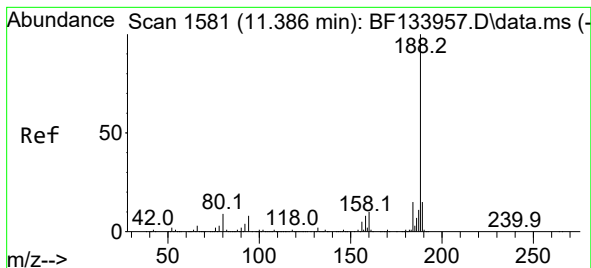
Tgt Ion:166 Resp: 22371
Ion Ratio Lower Upper
166 100
165 100.9 75.0 112.4
167 15.2 10.6 15.8



#63
Azobenzene
Concen: 2.016 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion: 77 Resp: 18499
Ion Ratio Lower Upper
77 100
182 90.0 6.8 46.8#
105 148.8 2.3 42.3#
51 47.6 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

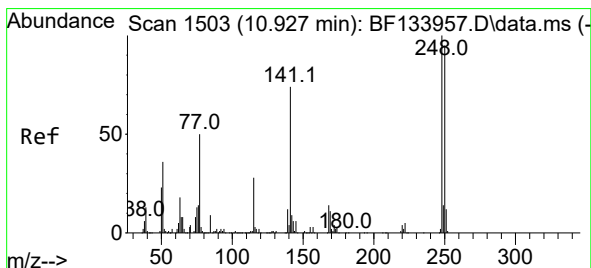
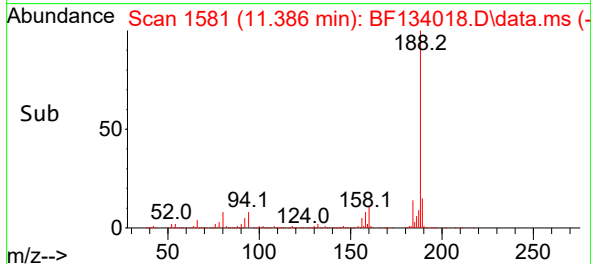
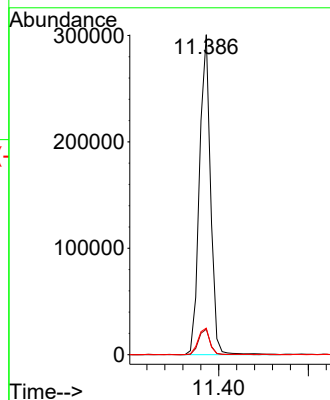
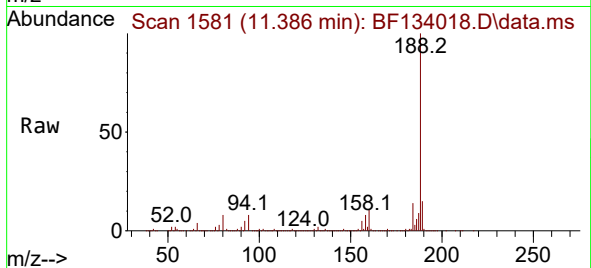
Tgt Ion:188 Resp: 257040

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.878 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

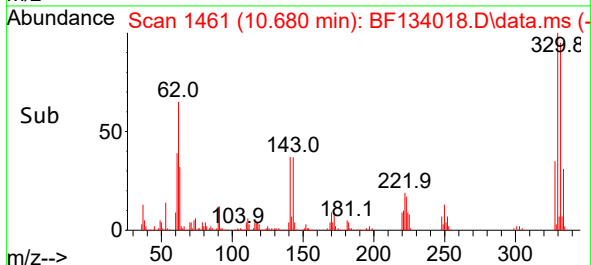
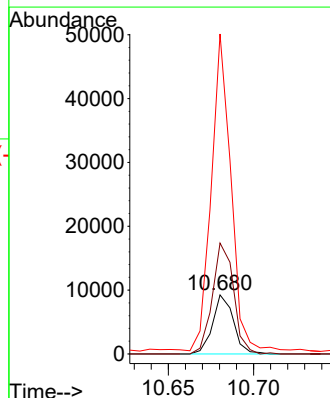
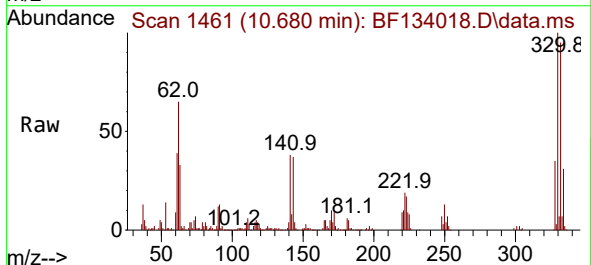
Tgt Ion:248 Resp: 7864

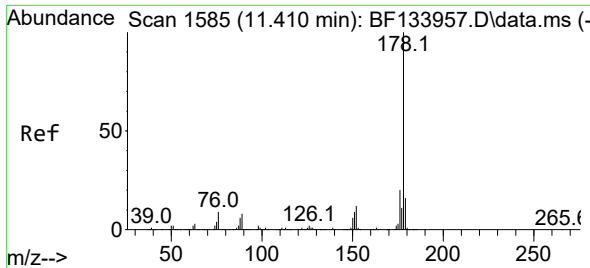
Ion Ratio Lower Upper

248 100

250 187.8 76.2 114.4#

141 542.3 59.0 88.4#

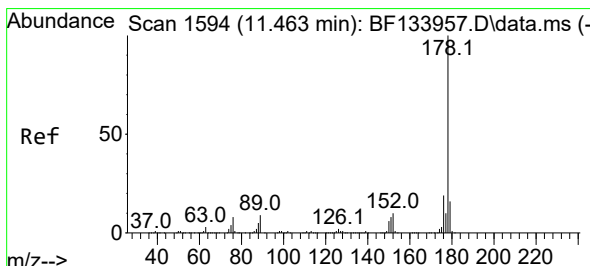
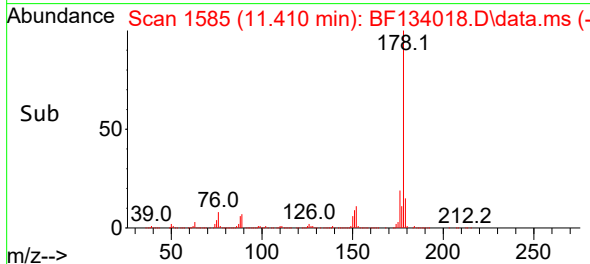
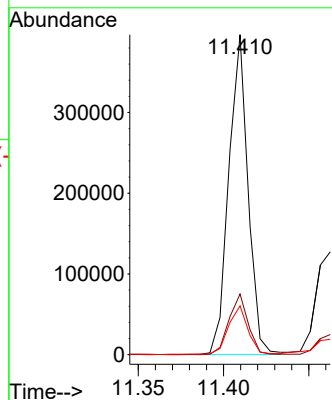
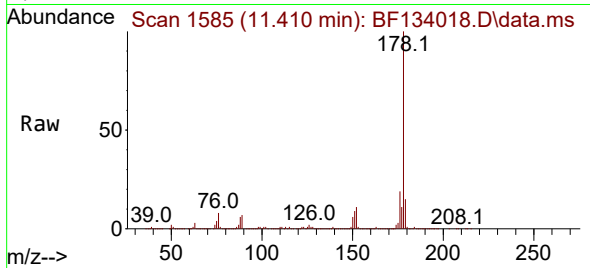




#71
Phenanthrene
Concen: 24.098 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

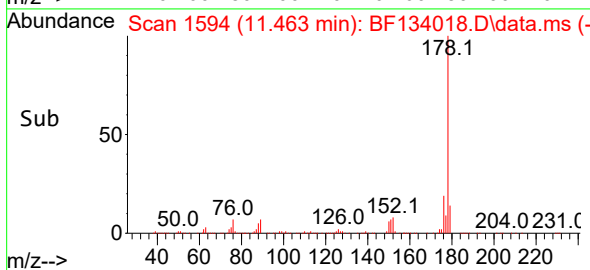
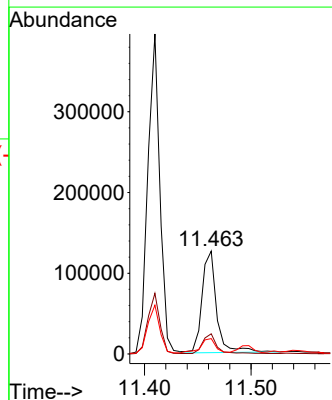
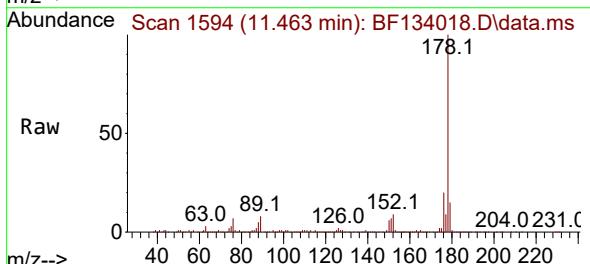
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

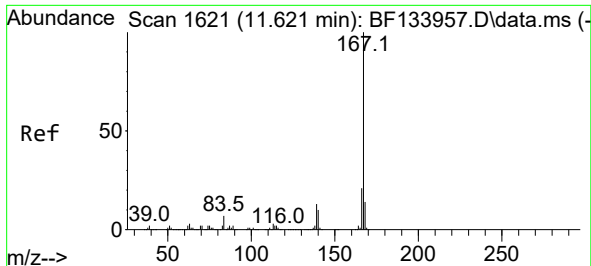
Tgt Ion:178 Resp: 311821
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 8.973 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF134018.D
Acq: 28 Jun 2023 07:27

Tgt Ion:178 Resp: 120761
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.0 12.4 18.6

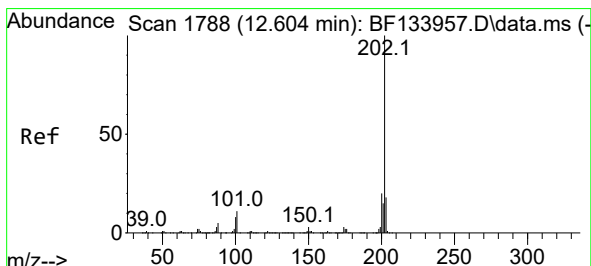
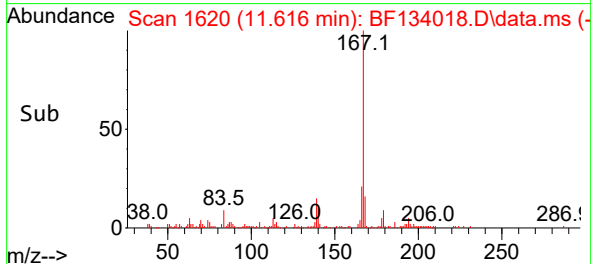
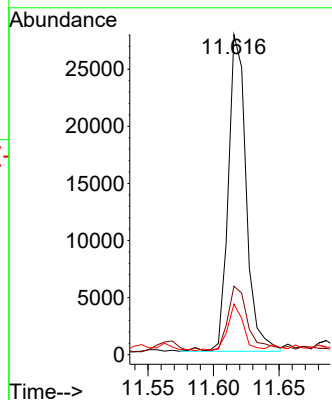
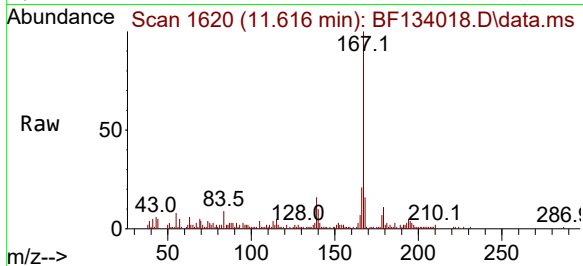




#73
 Carbazole
 Concen: 2.142 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134018.D
 Acq: 28 Jun 2023 07:27

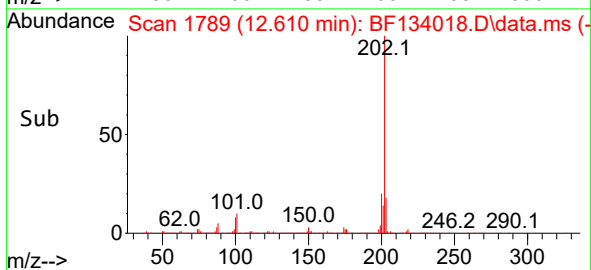
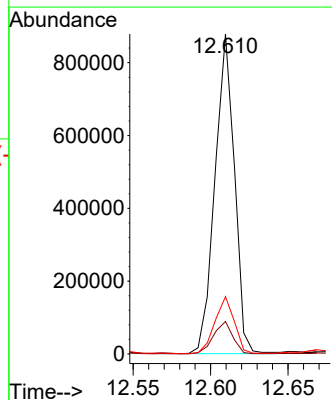
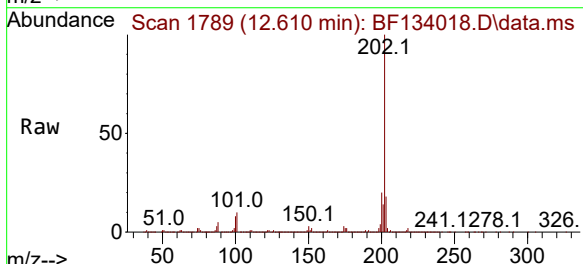
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

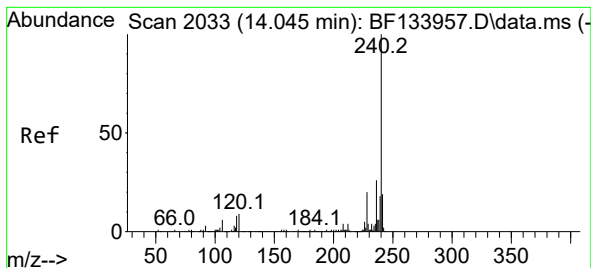
Tgt Ion:167 Resp: 26391
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 15.8 10.4 15.6#



#75
 Fluoranthene
 Concen: 55.004 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134018.D
 Acq: 28 Jun 2023 07:27

Tgt Ion:202 Resp: 769452
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.0
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

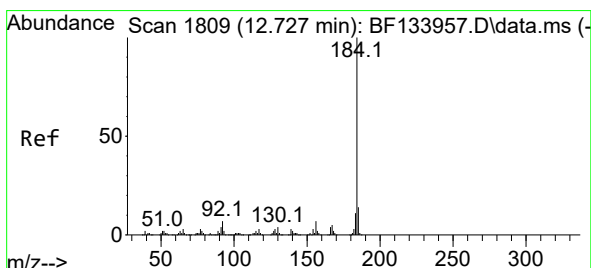
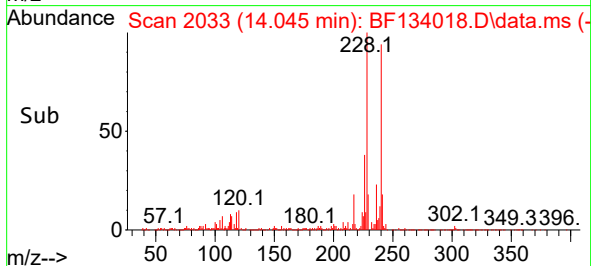
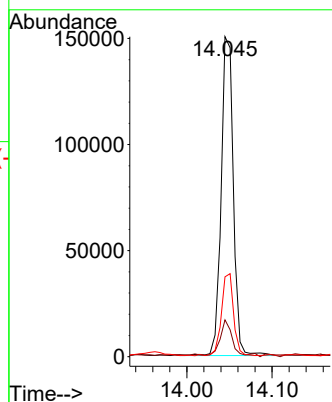
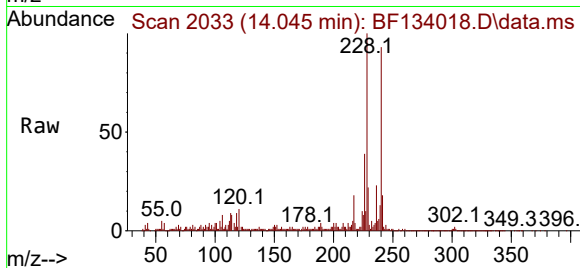
Tgt Ion:240 Resp: 149418

Ion Ratio Lower Upper

240 100

120 11.5 7.4 11.0#

236 24.9 21.0 31.6



#77

Benzidine

Concen: 2.612 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

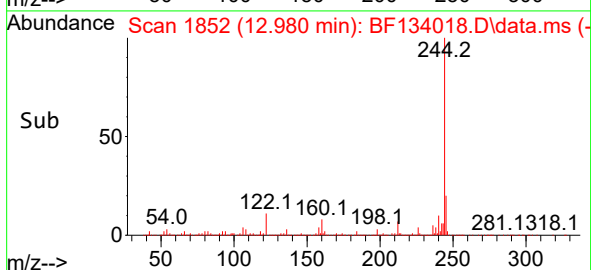
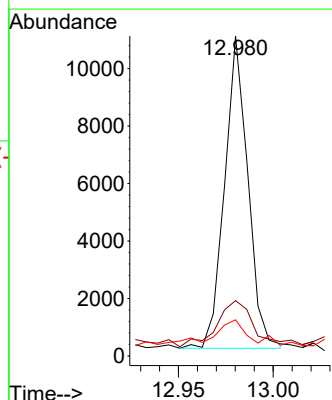
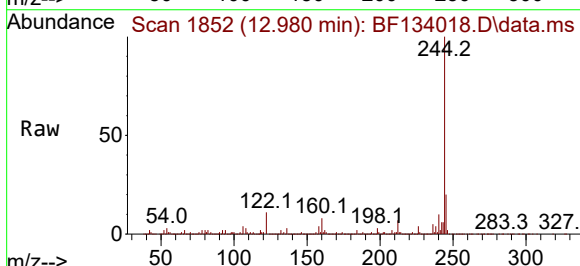
Tgt Ion:184 Resp: 9287

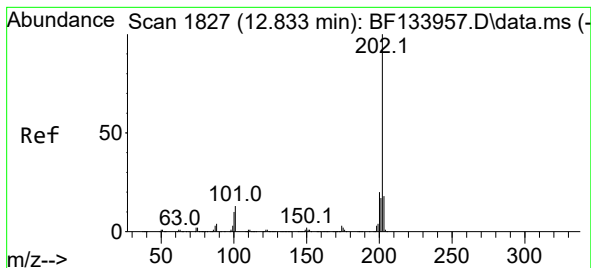
Ion Ratio Lower Upper

184 100

185 17.3 11.6 17.4

183 11.3 8.8 13.2





#78

Pyrene

Concen: 58.494 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

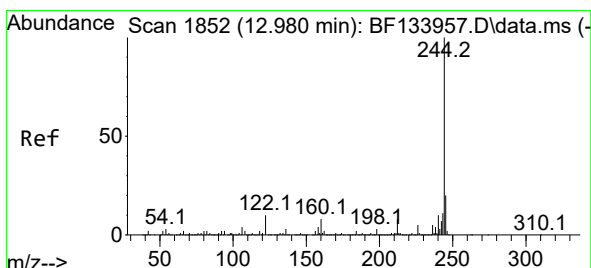
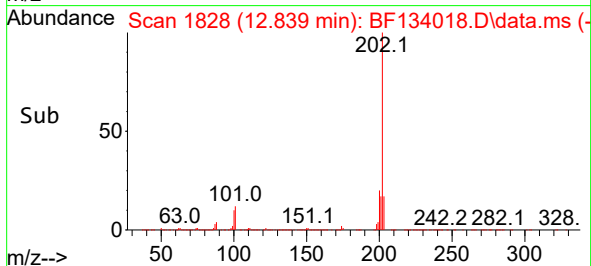
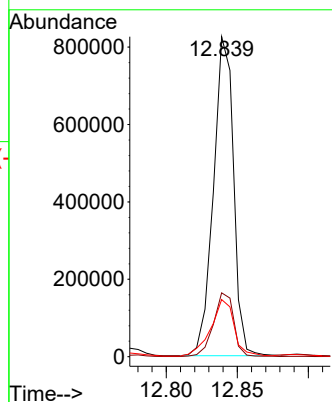
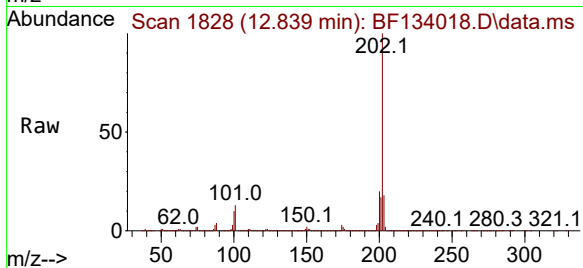
Tgt Ion:202 Resp: 813375

Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 68.741 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

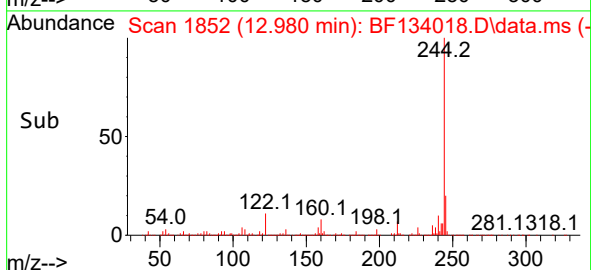
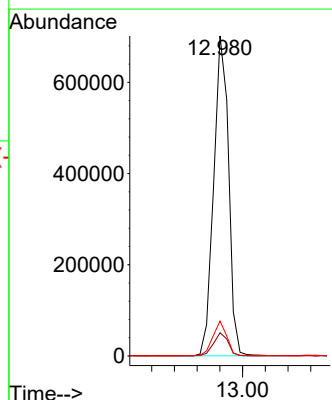
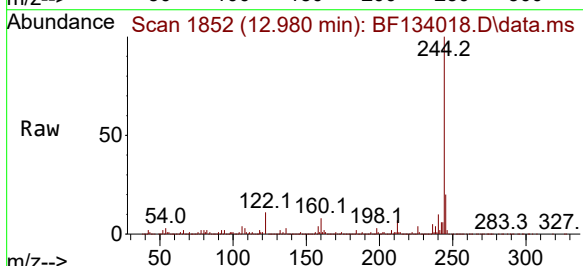
Tgt Ion:244 Resp: 638185

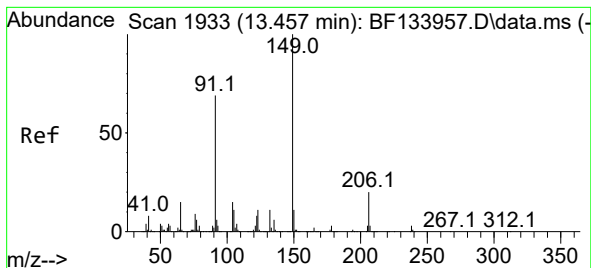
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 10.9 8.3 12.5





#80

Butylbenzylphthalate

Concen: 3.071 ng

RT: 13.457 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

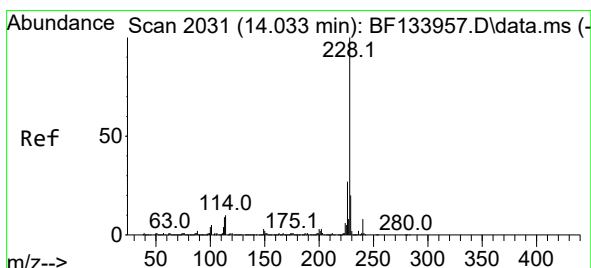
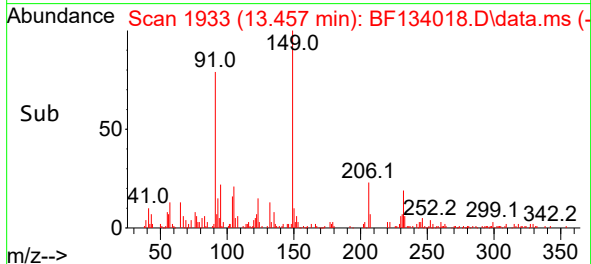
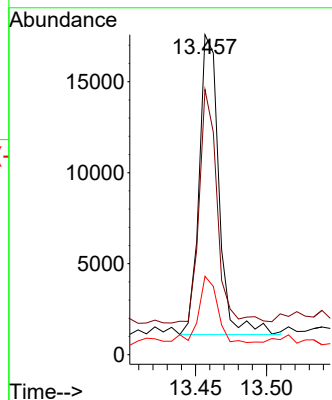
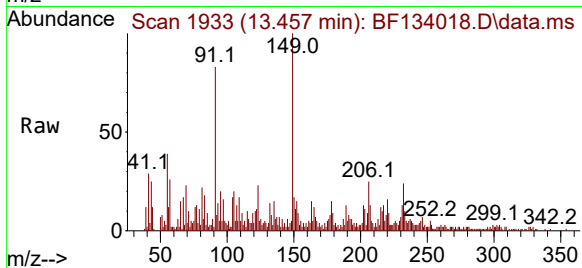
Tgt Ion:149 Resp: 16015

Ion Ratio Lower Upper

149 100

91 82.9 55.1 82.7#

206 24.5 15.7 23.5#



#81

Benzo(a)anthracene

Concen: 34.756 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.041 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

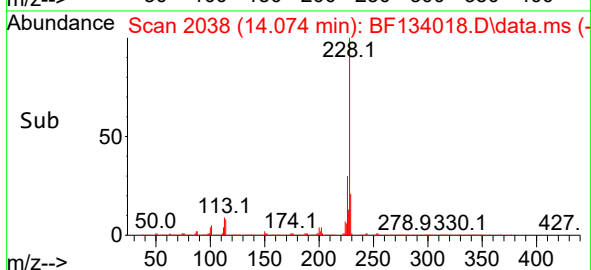
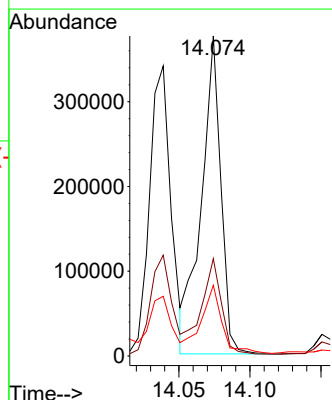
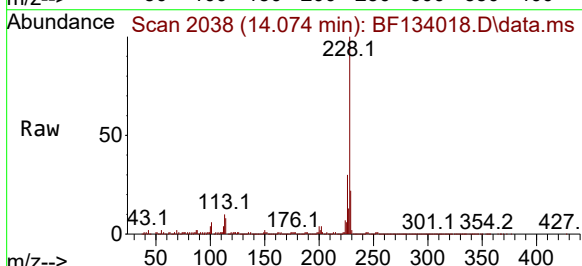
Tgt Ion:228 Resp: 360161

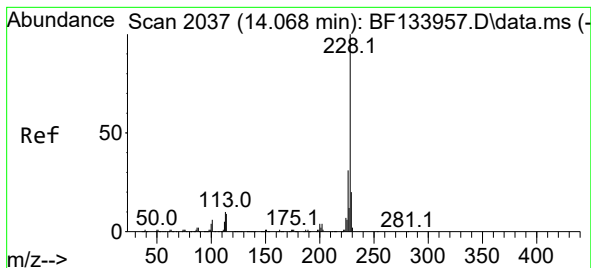
Ion Ratio Lower Upper

228 100

226 30.4 22.0 33.0

229 22.1 16.3 24.5





#83

Chrysene

Concen: 35.885 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

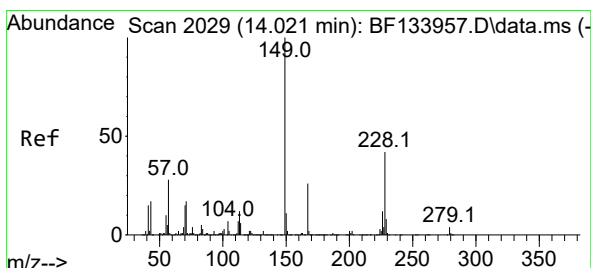
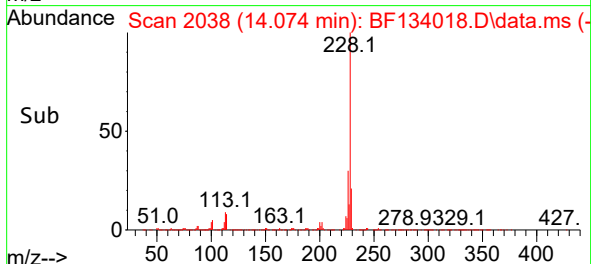
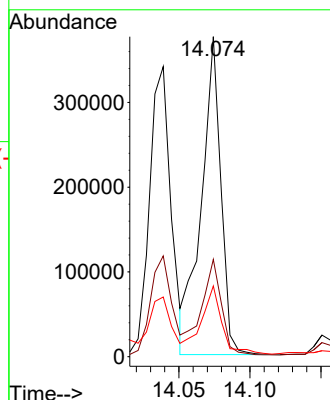
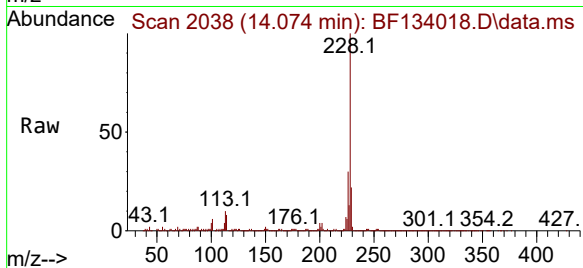
Tgt Ion:228 Resp: 360161

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 22.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.241 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

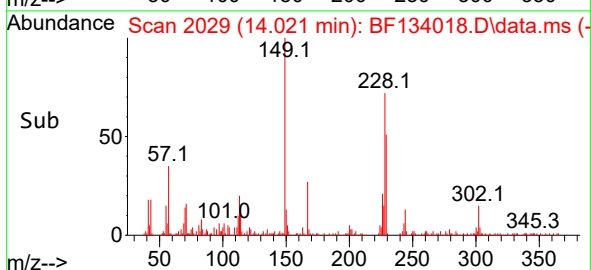
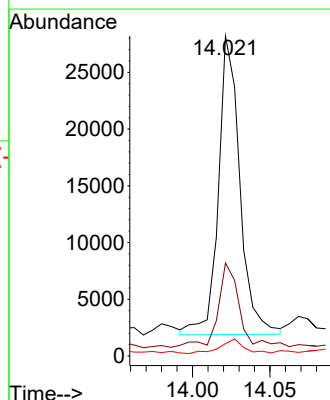
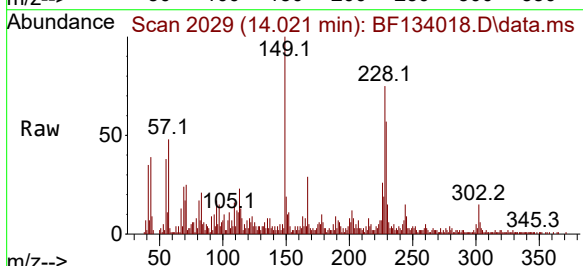
Tgt Ion:149 Resp: 25416

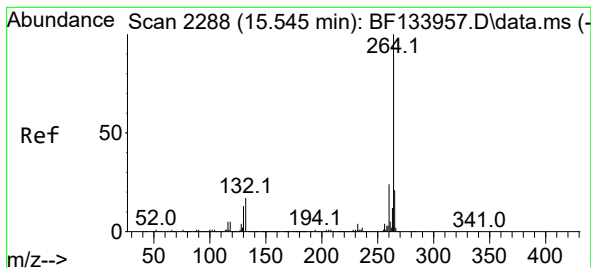
Ion Ratio Lower Upper

149 100

167 29.1 21.0 31.4

279 3.9 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

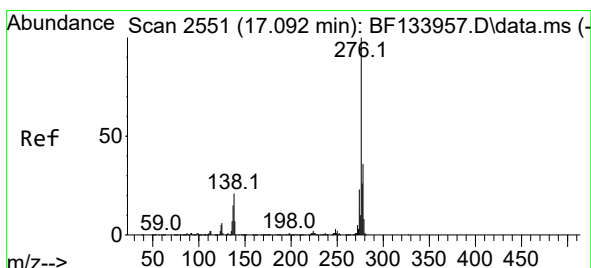
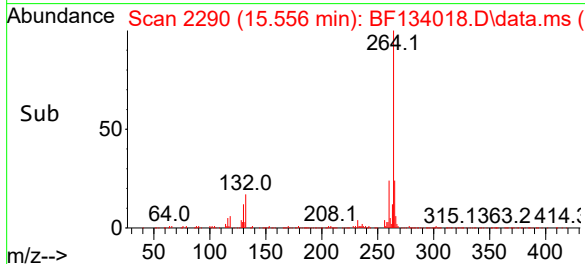
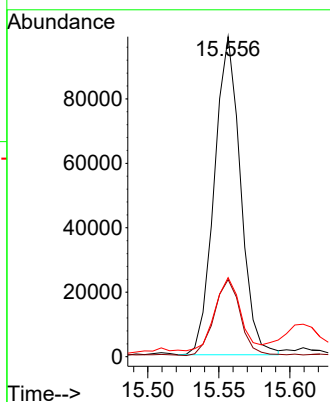
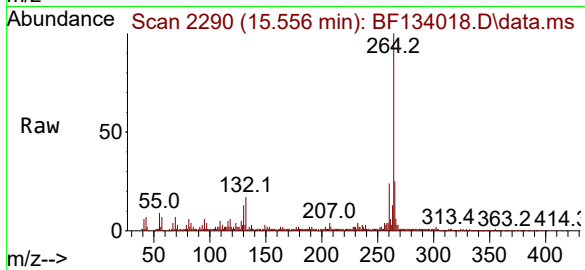
Tgt Ion:264 Resp: 126459

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 24.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.105 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

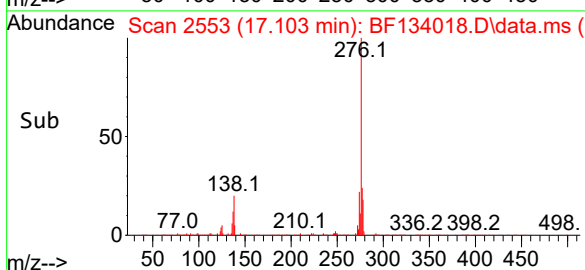
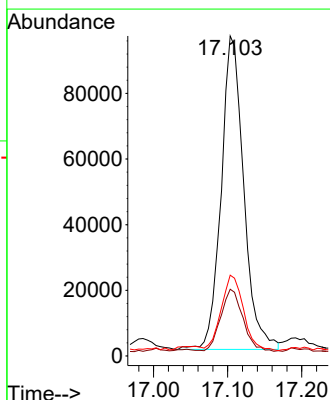
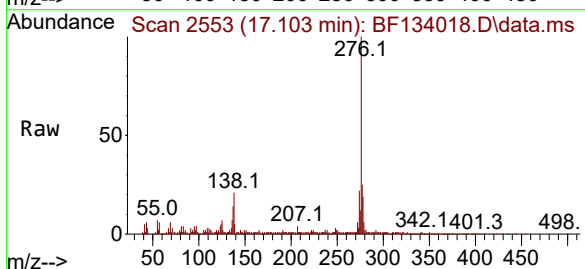
Tgt Ion:276 Resp: 202747

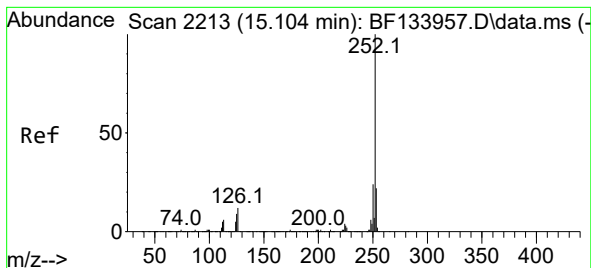
Ion Ratio Lower Upper

276 100

138 19.4 18.7 28.1

277 23.6 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 69.861 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

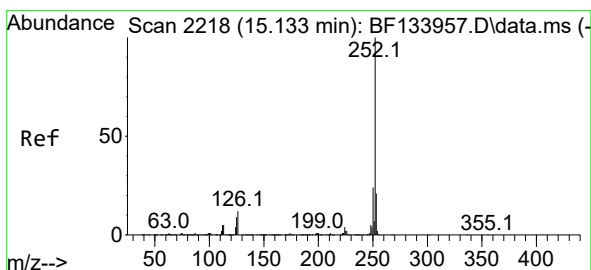
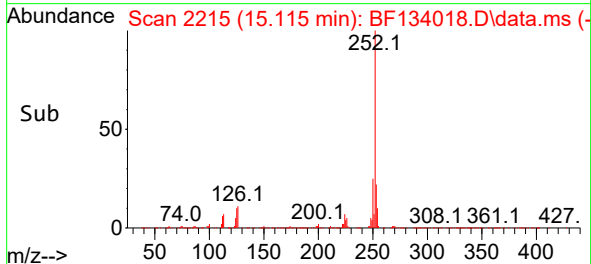
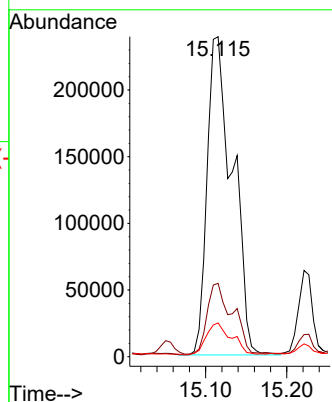
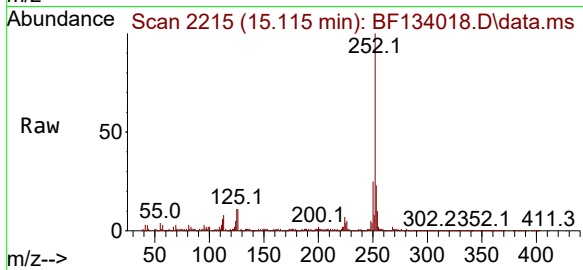
Tgt Ion:252 Resp: 519481

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 10.6 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 68.616 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

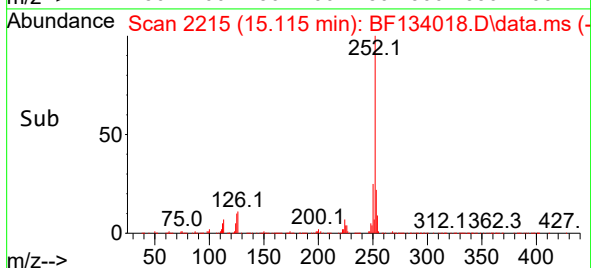
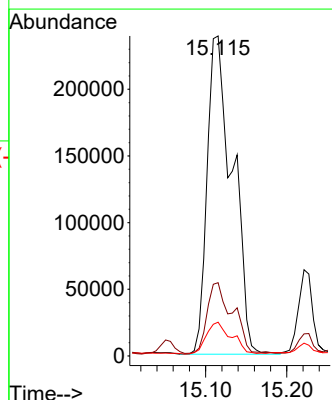
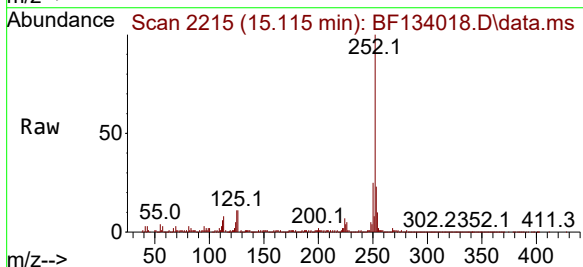
Tgt Ion:252 Resp: 519481

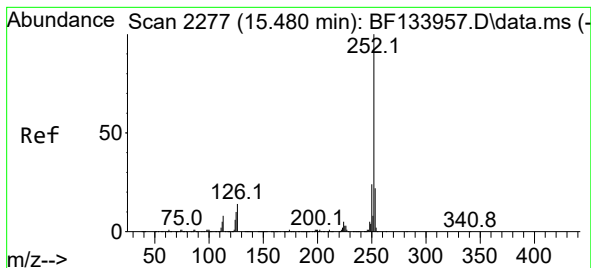
Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 10.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 37.921 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

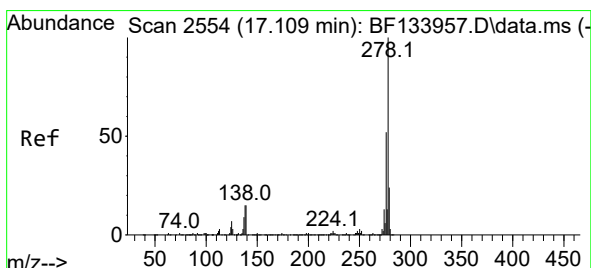
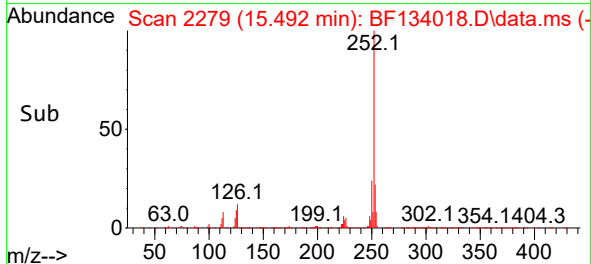
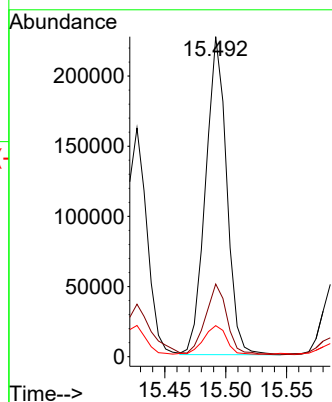
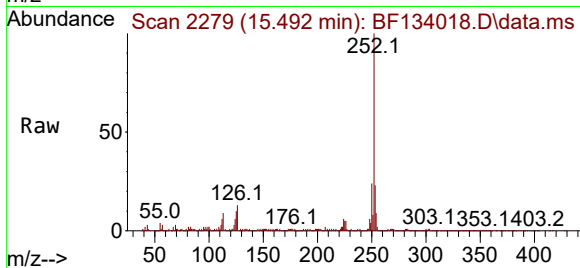
Tgt Ion:252 Resp: 272669

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.7 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 6.861 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BF134018.D

Acq: 28 Jun 2023 07:27

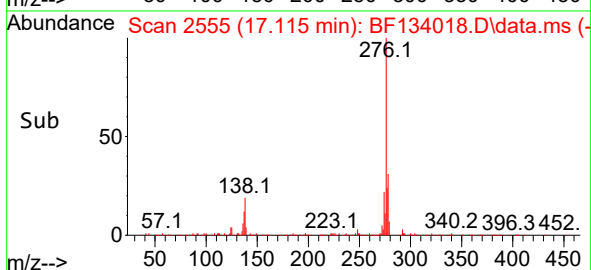
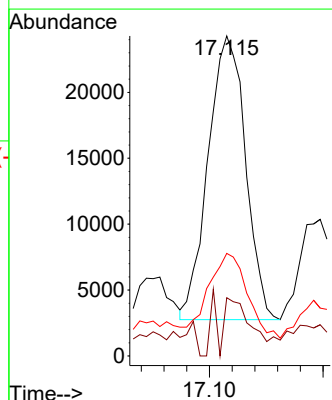
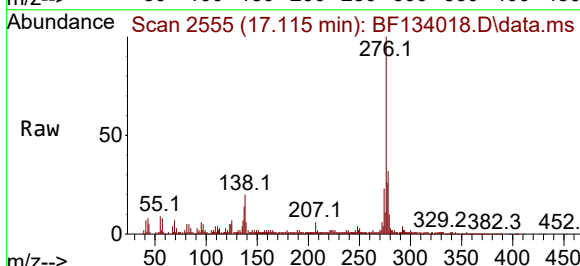
Tgt Ion:278 Resp: 49174

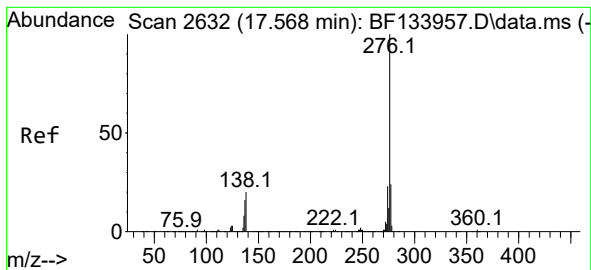
Ion Ratio Lower Upper

278 100

139 18.2 12.2 18.4

279 32.1 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 22.764 ng
 RT: 17.580 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134018.D
 Acq: 28 Jun 2023 07:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

Tgt Ion:276 Resp: 168254
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.0 28.6
 138 20.2 16.2 24.2

