

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132980.D
 Acq On : 21 Apr 2023 21:03
 Operator : CG\JU
 Sample : 02270-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-8-10-20230411

Quant Time: Apr 22 04:30:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

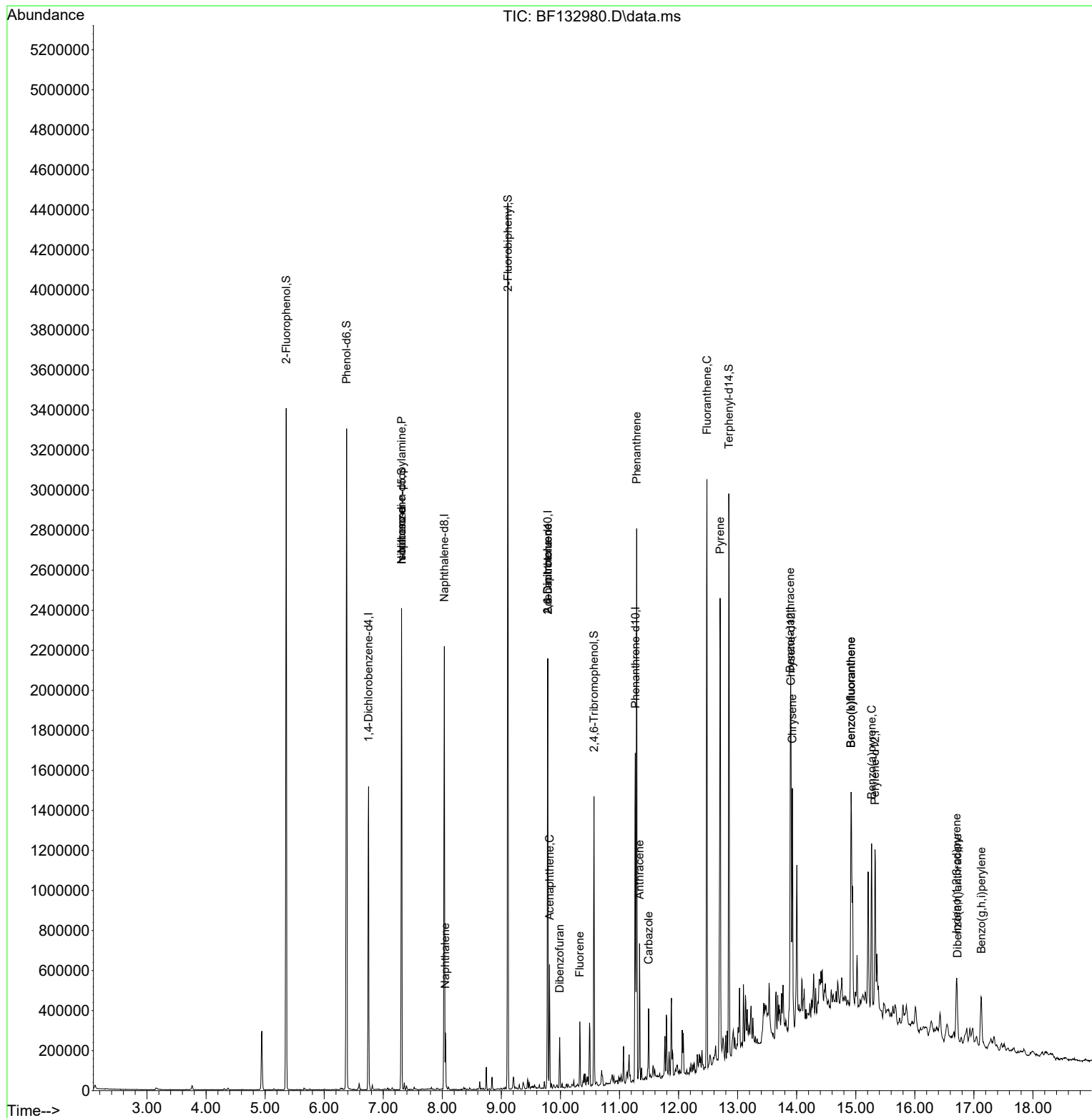
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	209207	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	817569	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	383157	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	586675	20.000	ng	0.00
76) Chrysene-d12	13.904	240	345419	20.000	ng	0.00
86) Perylene-d12	15.327	264	361134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	911612	65.824	ng	0.00
7) Phenol-d6	6.381	99	1144476	66.579	ng	0.00
23) Nitrobenzene-d5	7.310	82	692061	45.691	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	130634	33.901	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	1182113	51.615	ng	0.00
79) Terphenyl-d14	12.851	244	919761	45.923	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.292	77	1518	Below Cal		85
19) n-Nitroso-di-n-propyla...	7.310	70	91353	8.536 ng	#	81
25) Isophorone	7.310	82	689613	23.980 ng	#	63
31) Naphthalene	8.051	128	105481	2.581 ng		99
51) 2,6-Dinitrotoluene	9.786	165	52009	8.649 ng	#	25
52) Acenaphthene	9.816	154	110888	4.659 ng		96
55) Dibenzofuran	9.986	168	72511	2.234 ng		98
57) 2,4-Dinitrotoluene	9.786	165	52009	6.782 ng	#	23
58) Fluorene	10.327	166	77803	3.271 ng		94
71) Phenanthrene	11.292	178	895148	28.389 ng		100
72) Anthracene	11.339	178	223853	6.937 ng		99
73) Carbazole	11.492	167	119951	4.175 ng		99
75) Fluoranthene	12.480	202	1069051	33.782 ng		97
78) Pyrene	12.704	202	929795	31.401 ng		99
81) Benzo(a)anthracene	13.892	228	490198	20.637 ng		99
83) Chrysene	13.927	228	416483	17.538 ng		98
87) Indeno(1,2,3-cd)pyrene	16.709	276	199287	9.701 ng		93
88) Benzo(b)fluoranthene	14.921	252	746562	32.495 ng	#	95
89) Benzo(k)fluoranthene	14.921	252	746562	32.780 ng	#	96
90) Benzo(a)pyrene	15.268	252	362471	17.333 ng		96
91) Dibenzo(a,h)anthracene	16.721	278	54632	3.189 ng	#	92
92) Benzo(g,h,i)perylene	17.127	276	182075	10.764 ng		98

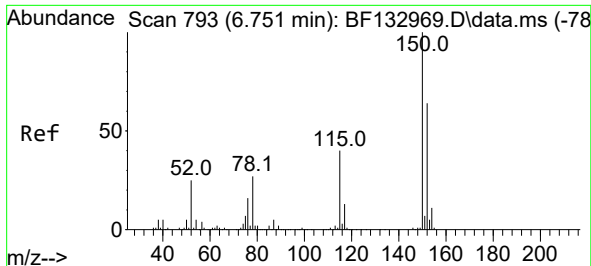
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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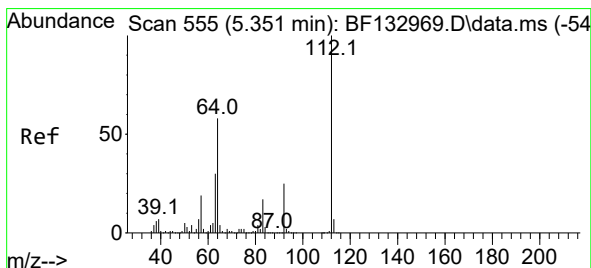
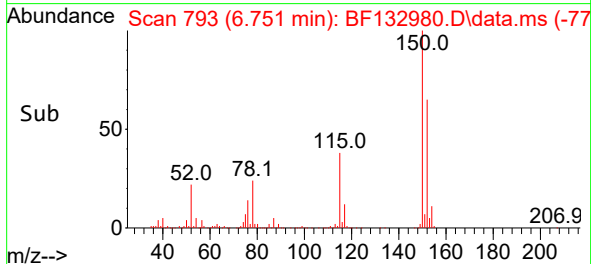
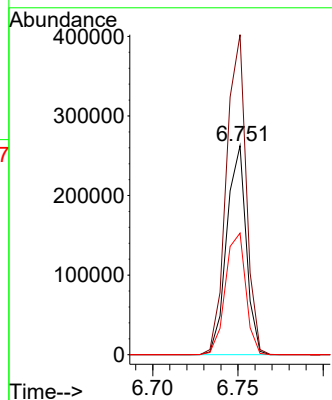
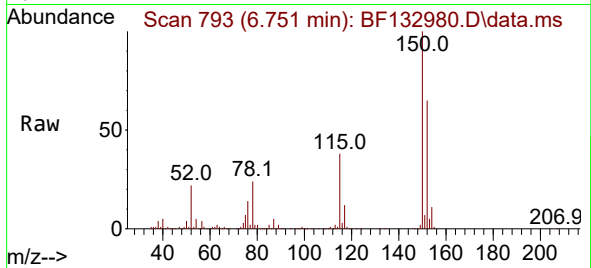




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.751 min Scan# 793
 Delta R.T. 0.000 min
 Lab File: BF132980.D
 Acq: 21 Apr 2023 21:03

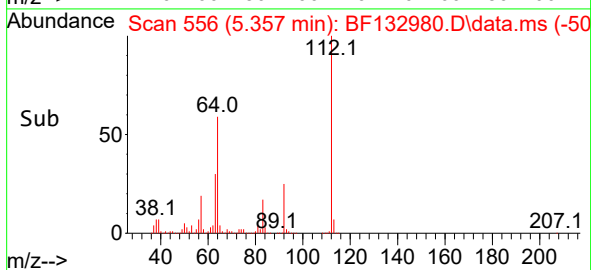
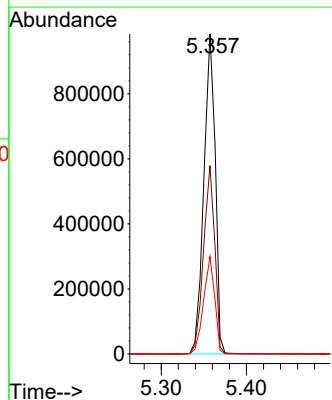
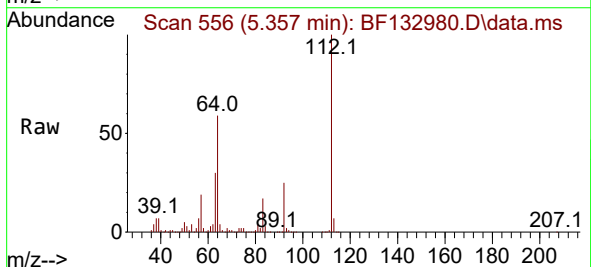
Instrument :
 BNA_F
 ClientSampleId :
 SB-27-8-10-20230411

Tgt Ion:152 Resp: 209207
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.8 187.2
 115 58.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 65.824 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF132980.D
 Acq: 21 Apr 2023 21:03

Tgt Ion:112 Resp: 911612
 Ion Ratio Lower Upper
 112 100
 64 58.8 46.8 70.2
 63 30.4 23.8 35.8

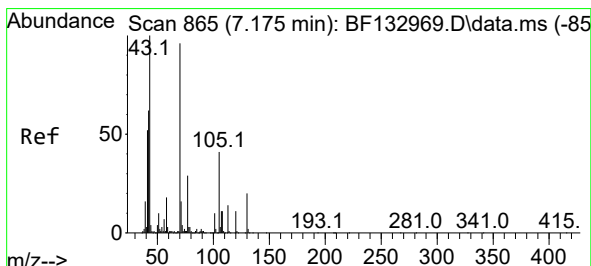
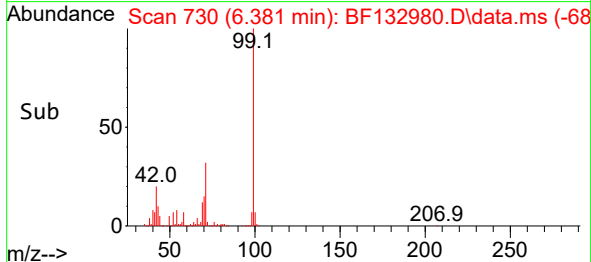
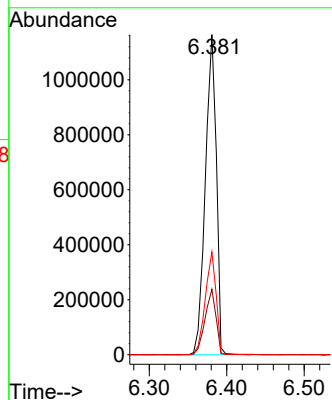
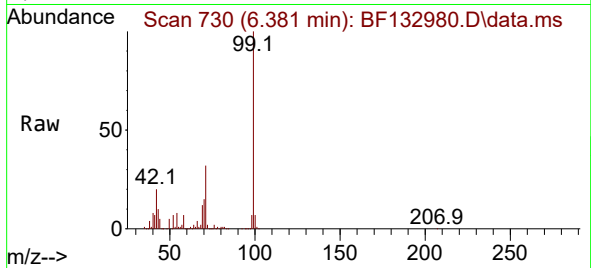




#7
Phenol-d6
Concen: 66.579 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

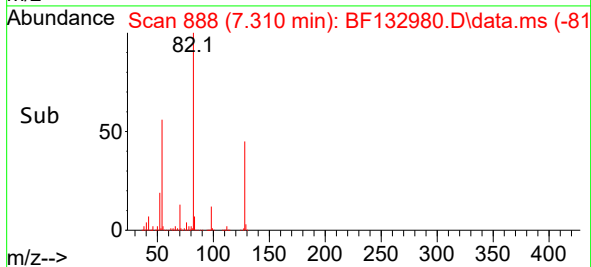
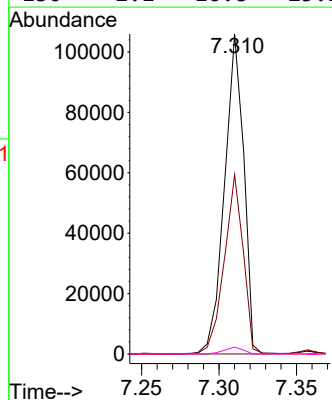
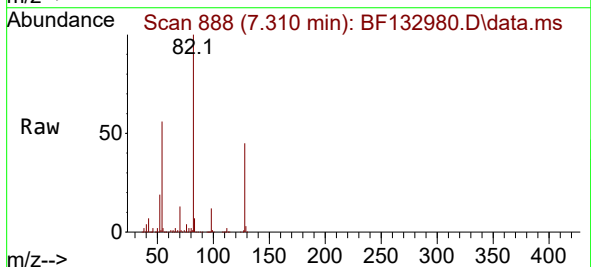
Instrument :
BNA_F
ClientSampleId :
SB-27-8-10-20230411

Tgt Ion: 99 Resp: 1144476
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.536 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

Tgt Ion: 70 Resp: 91353
Ion Ratio Lower Upper
70 100
42 56.0 51.8 77.6
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132980.D

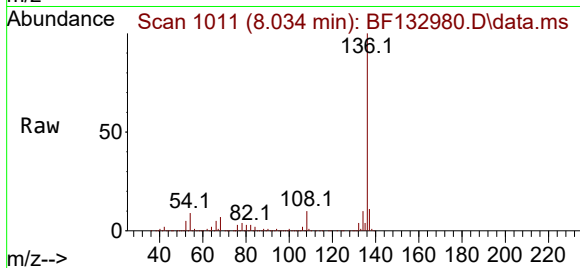
Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411



Tgt Ion:136 Resp: 817569

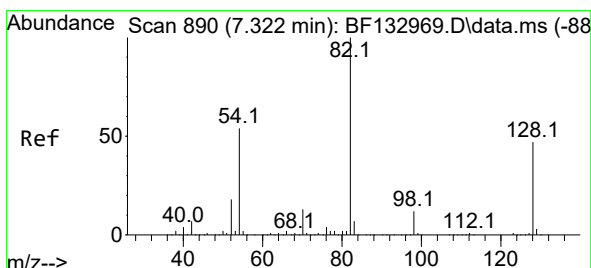
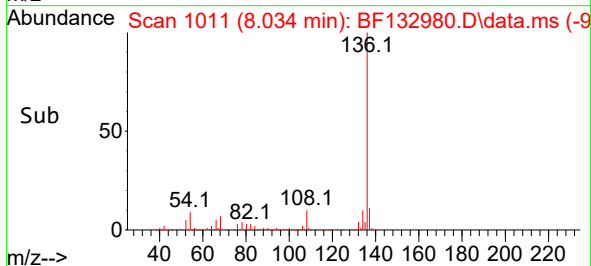
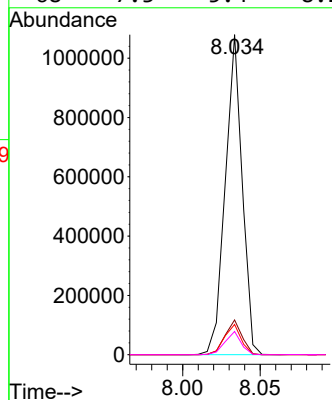
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 7.0 10.4

68 7.3 5.4 8.2



#23

Nitrobenzene-d5

Concen: 45.691 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

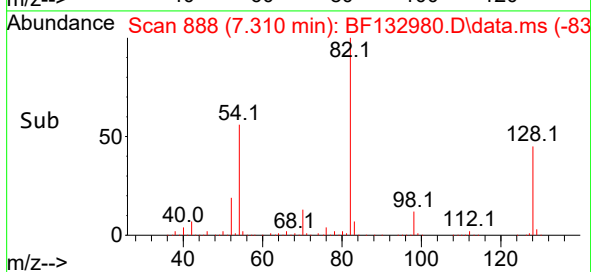
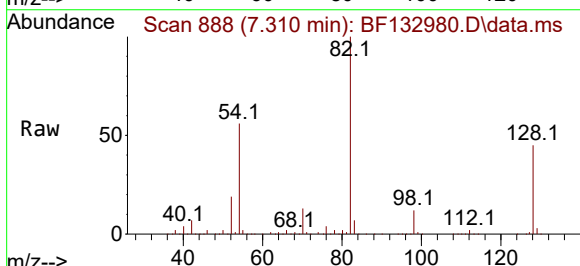
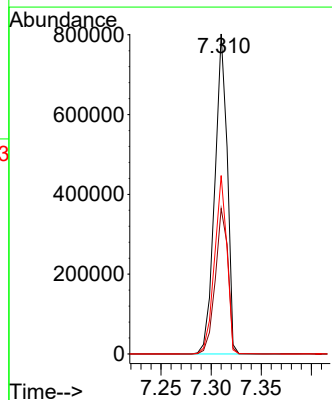
Tgt Ion: 82 Resp: 692061

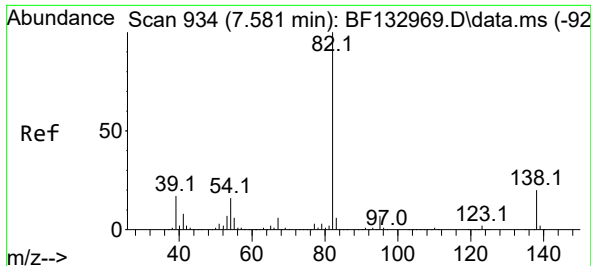
Ion Ratio Lower Upper

82 100

128 45.5 37.7 56.5

54 55.7 43.0 64.4

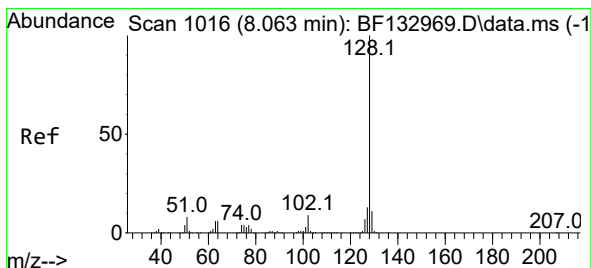
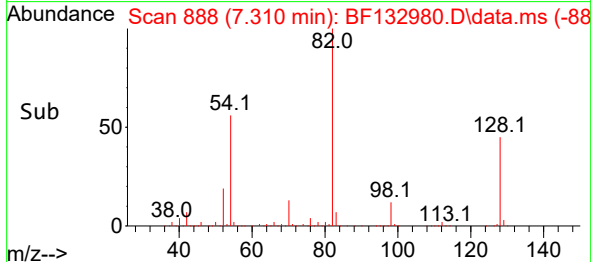
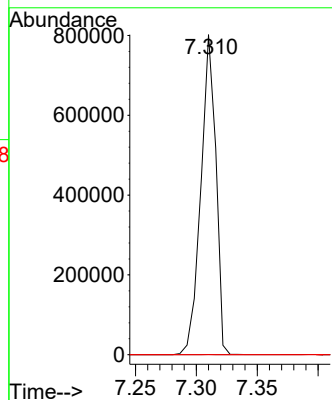
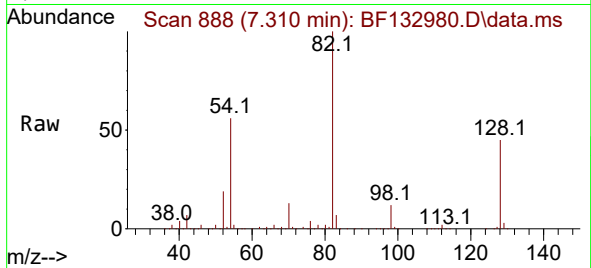




#25
Isophorone
Concen: 23.980 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

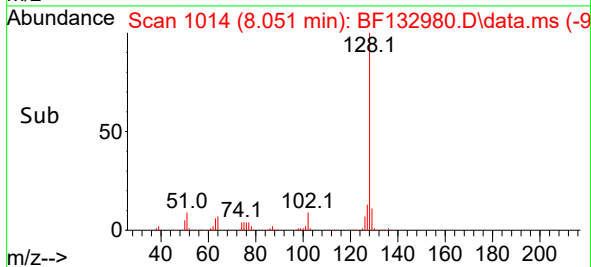
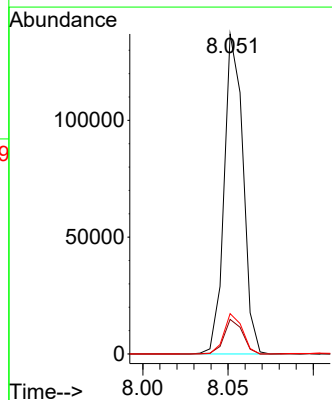
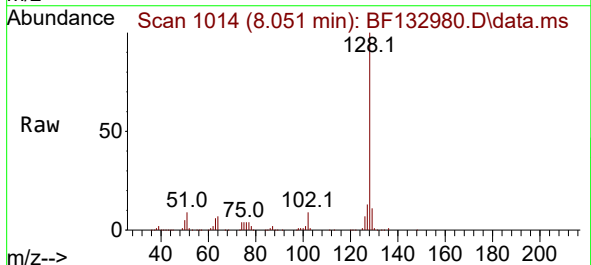
Instrument :
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ClientSampleId :
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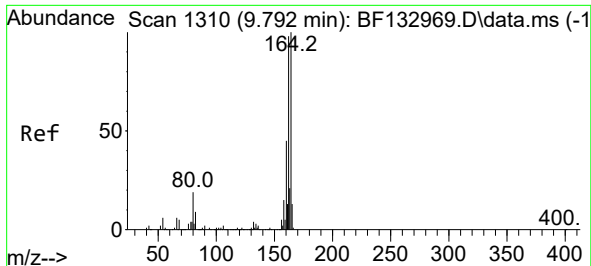
Tgt Ion: 82 Resp: 689613
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 2.581 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

Tgt Ion: 128 Resp: 105481
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.6 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

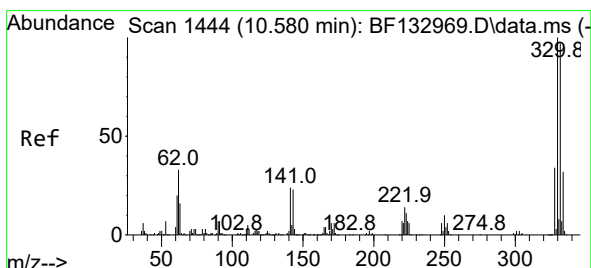
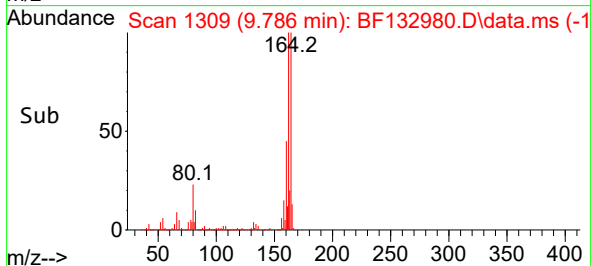
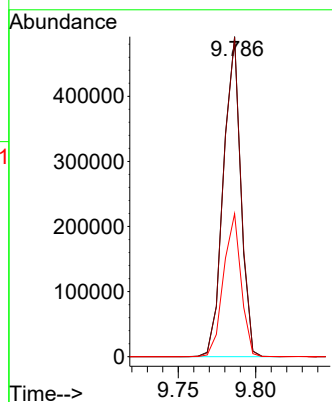
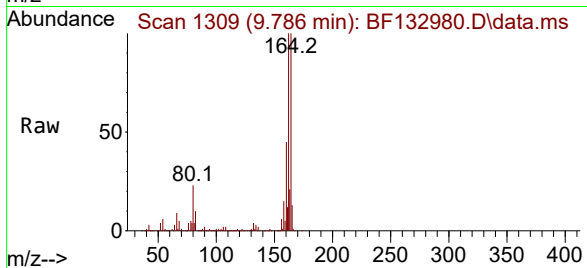
Tgt Ion:164 Resp: 383157

Ion Ratio Lower Upper

164 100

162 99.7 78.7 118.1

160 44.6 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 33.901 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

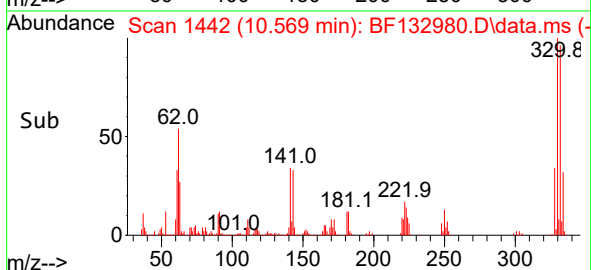
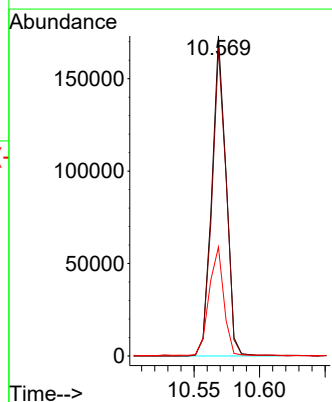
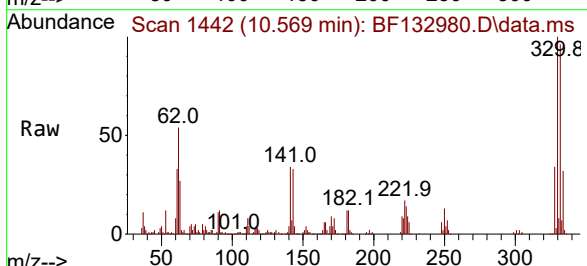
Tgt Ion:330 Resp: 130634

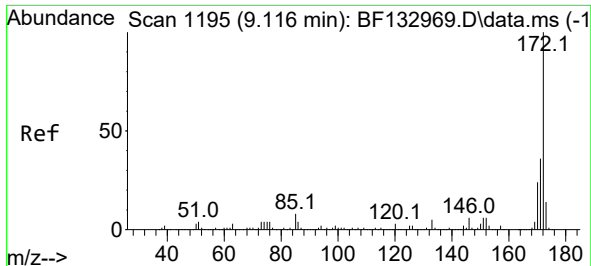
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 34.8 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 51.615 ng

RT: 9.110 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF132980.D

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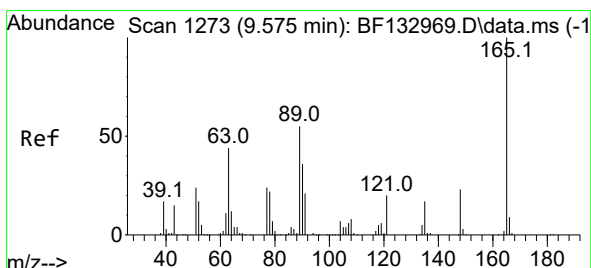
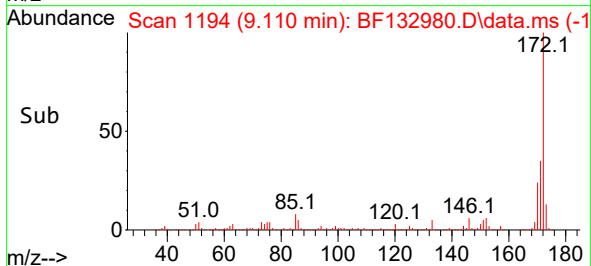
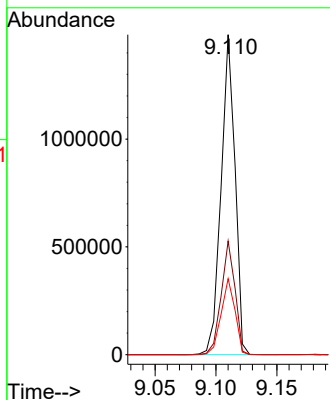
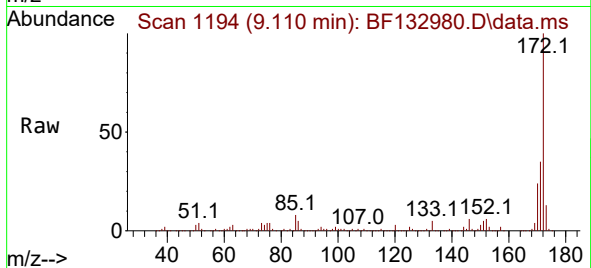
Tgt Ion:172 Resp: 1182113

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.8 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.649 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.212 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

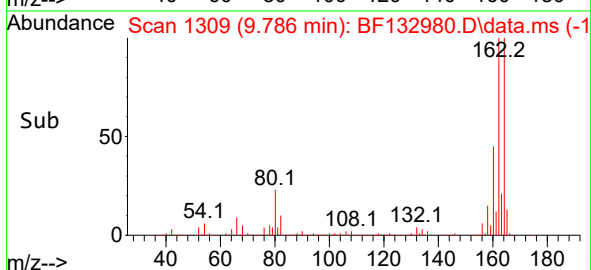
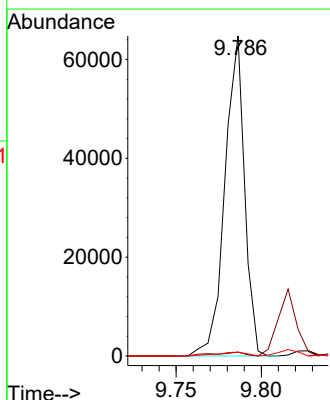
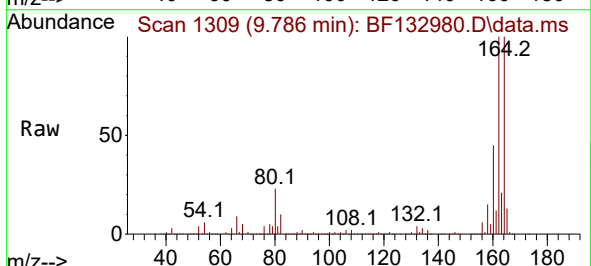
Tgt Ion:165 Resp: 52009

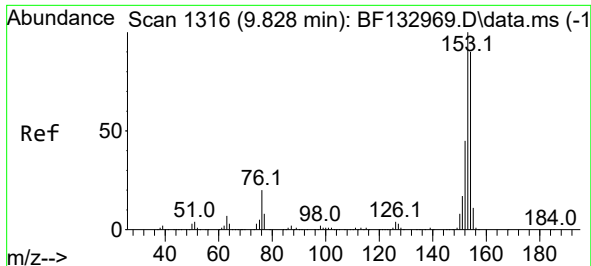
Ion Ratio Lower Upper

165 100

63 1.2 45.9 68.9#

89 1.2 44.0 66.0#

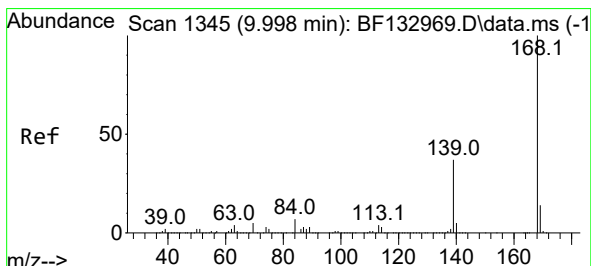
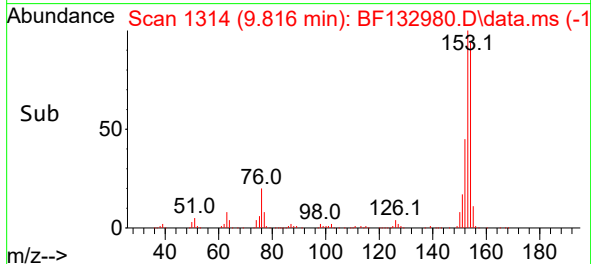
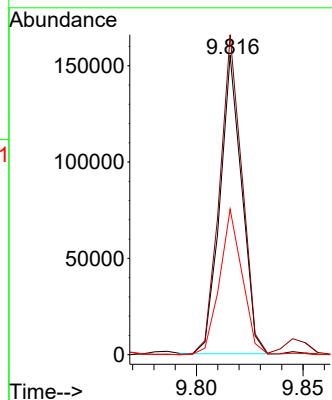
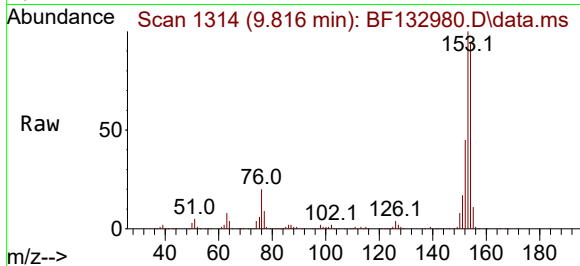




#52
Acenaphthene
Concen: 4.659 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

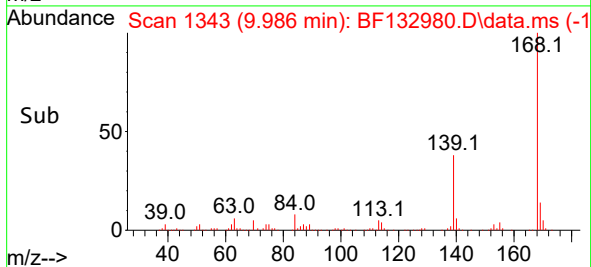
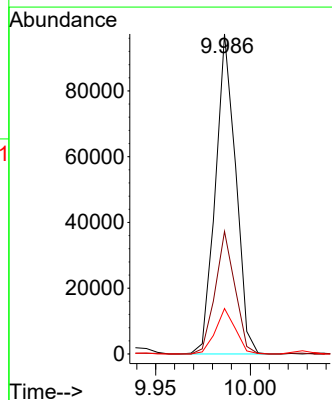
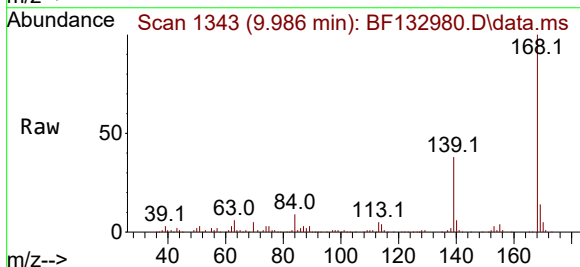
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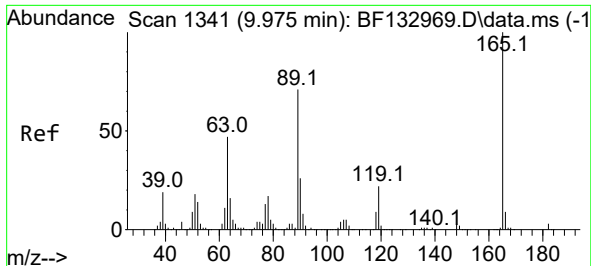
Tgt Ion:154 Resp: 110888
Ion Ratio Lower Upper
154 100
153 106.8 89.0 133.6
152 48.6 40.4 60.6



#55
Dibenzofuran
Concen: 2.234 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

Tgt Ion:168 Resp: 72511
Ion Ratio Lower Upper
168 100
139 38.3 29.8 44.8
169 14.2 10.8 16.2





#57

2,4-Dinitrotoluene

Concen: 6.782 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.188 min

Lab File: BF132980.D

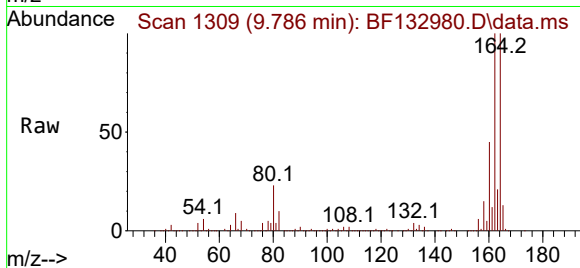
Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411



Tgt Ion:165 Resp: 52009

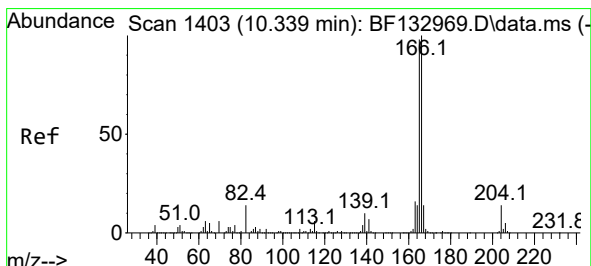
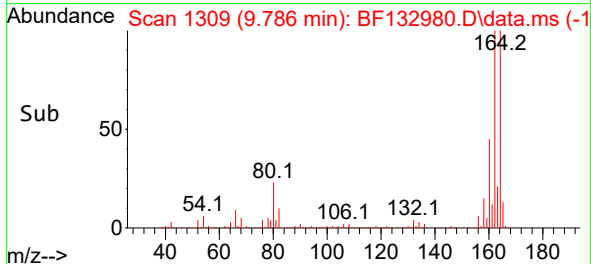
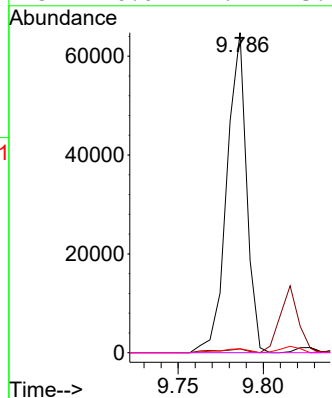
Ion Ratio Lower Upper

165 100

63 1.2 37.7 56.5#

89 1.2 57.0 85.4#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 3.271 ng

RT: 10.327 min Scan# 1401

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

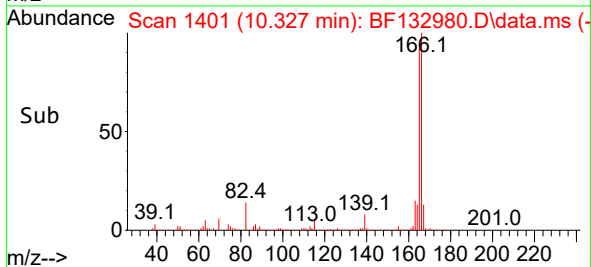
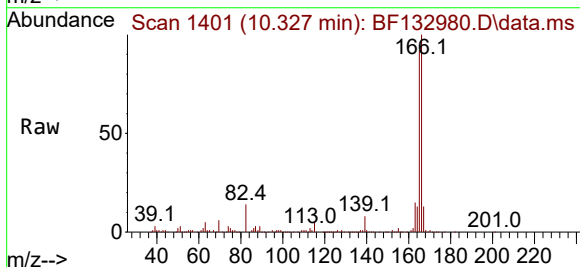
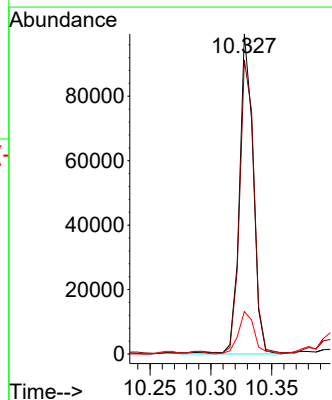
Tgt Ion:166 Resp: 77803

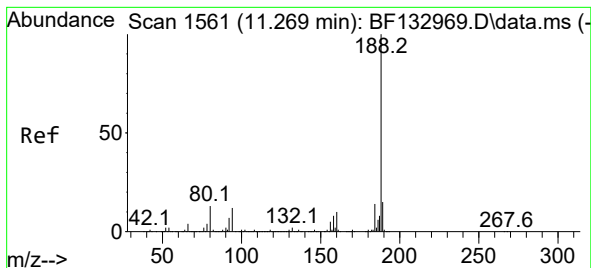
Ion Ratio Lower Upper

166 100

165 91.9 78.6 117.8

167 13.3 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

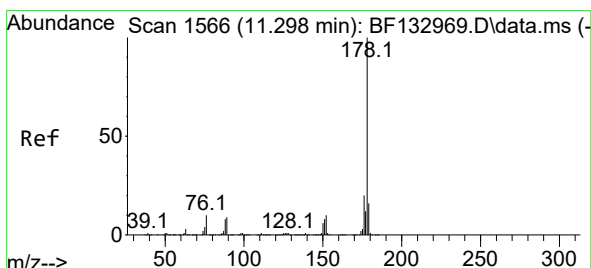
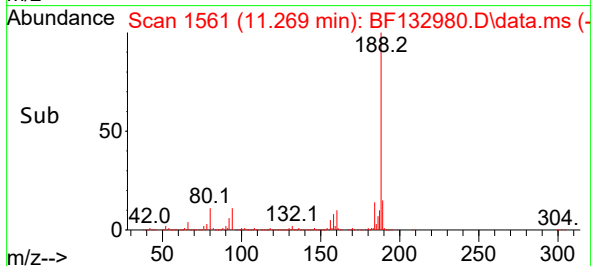
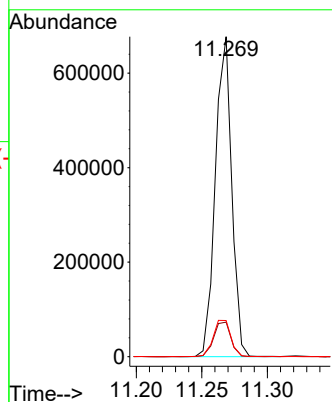
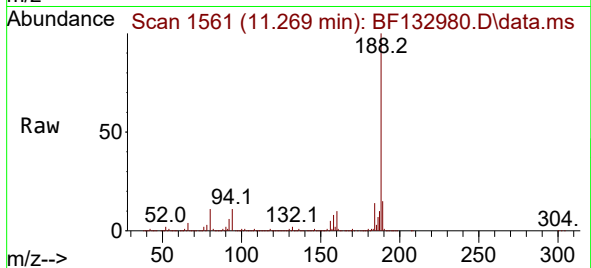
Tgt Ion:188 Resp: 586675

Ion Ratio Lower Upper

188 100

94 10.8 9.7 14.5

80 11.3 10.4 15.6



#71

Phenanthrene

Concen: 28.389 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

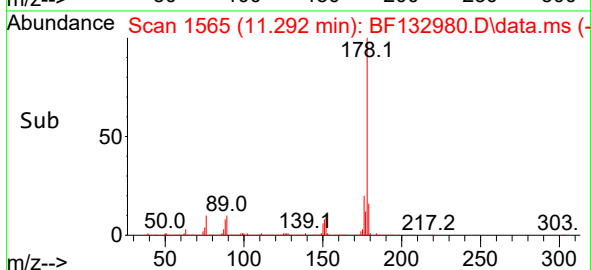
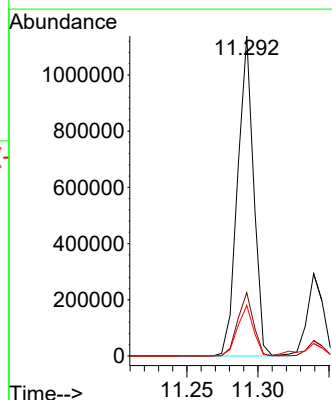
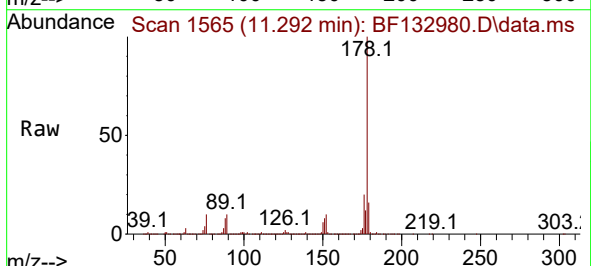
Tgt Ion:178 Resp: 895148

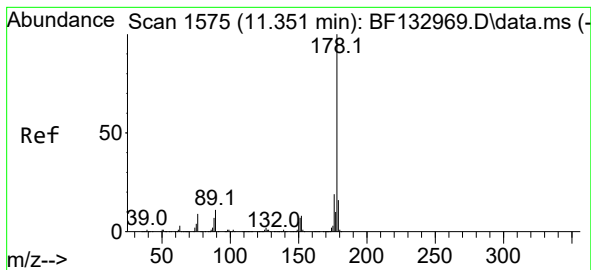
Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.8 12.5 18.7





#72

Anthracene

Concen: 6.937 ng

RT: 11.339 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

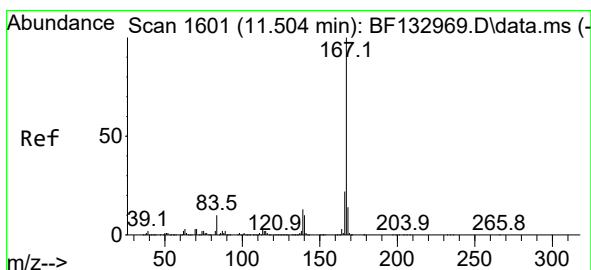
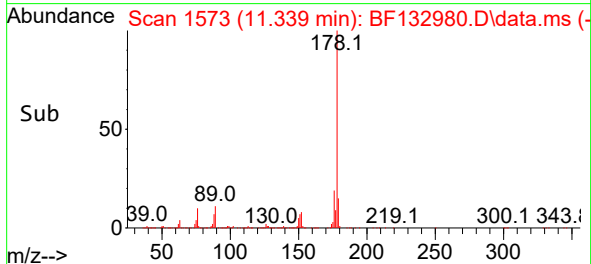
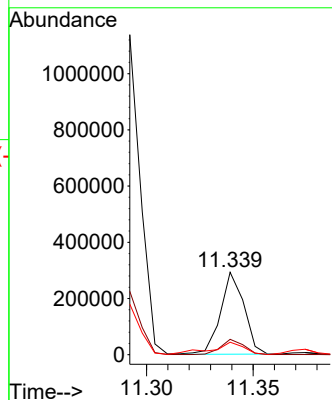
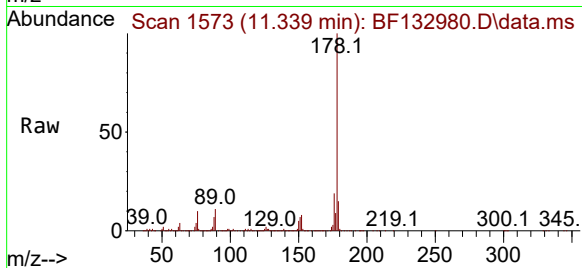
Tgt Ion:178 Resp: 223853

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.2 12.4 18.6



#73

Carbazole

Concen: 4.175 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

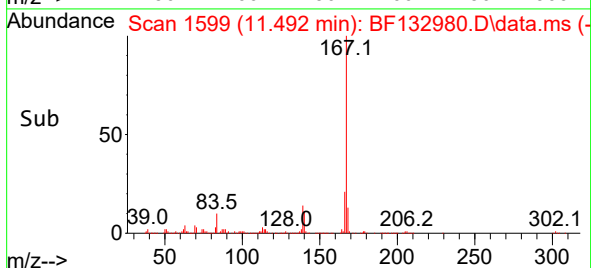
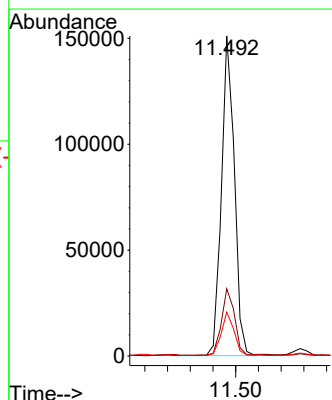
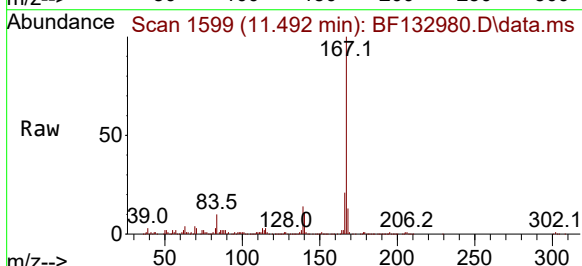
Tgt Ion:167 Resp: 119951

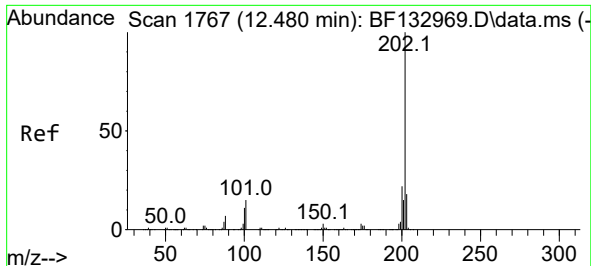
Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.0

139 13.7 10.6 16.0

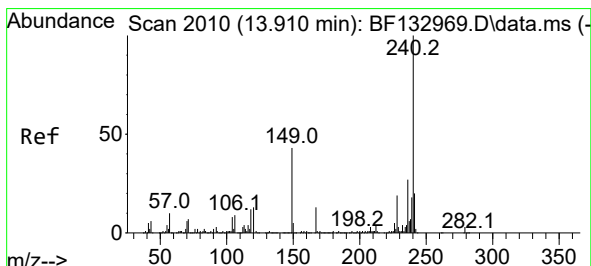
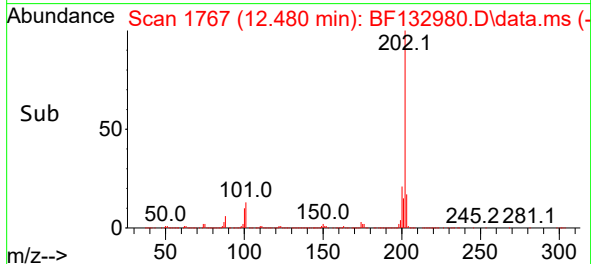
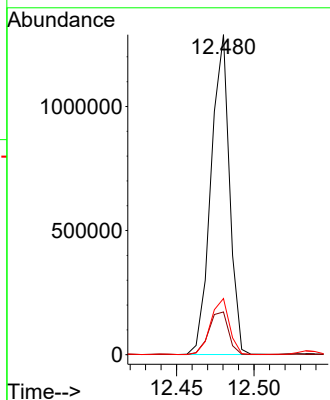
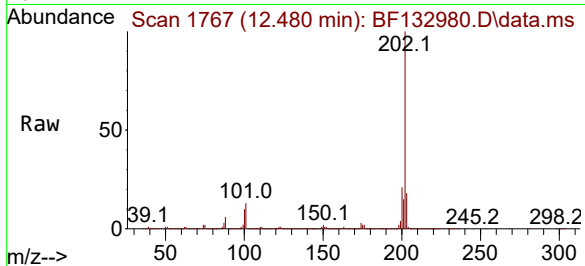




#75
Fluoranthene
Concen: 33.782 ng
RT: 12.480 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

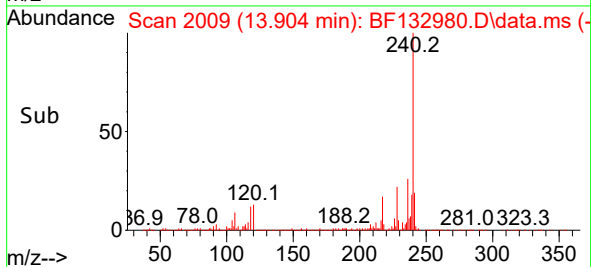
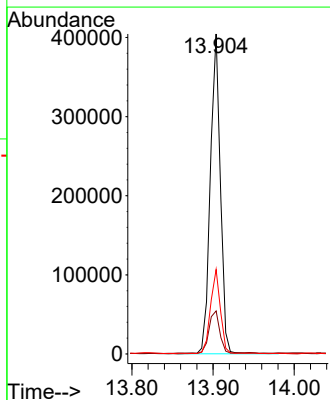
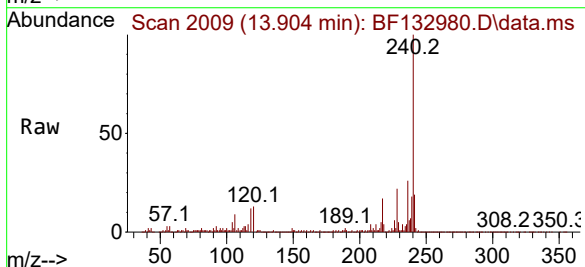
Instrument :
BNA_F
ClientSampleId :
SB-27-8-10-20230411

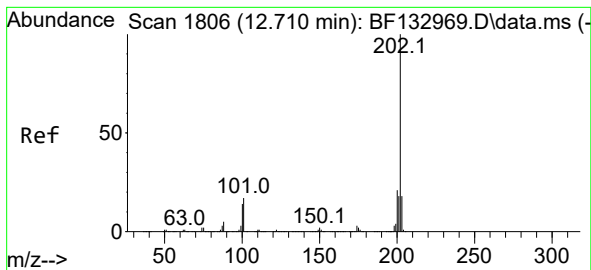
Tgt Ion:202 Resp: 1069051
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

Tgt Ion:240 Resp: 345419
Ion Ratio Lower Upper
240 100
120 13.5 10.5 15.7
236 26.4 21.5 32.3





#78

Pyrene

Concen: 31.401 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

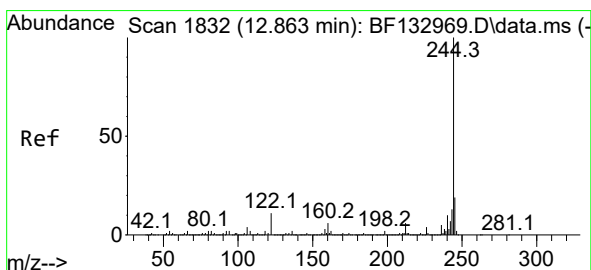
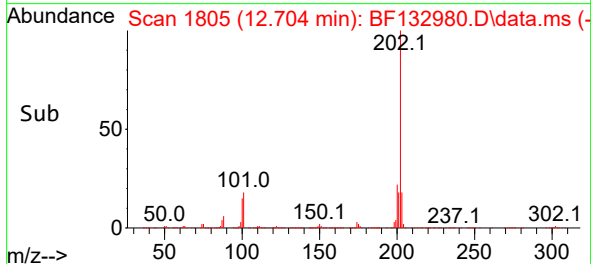
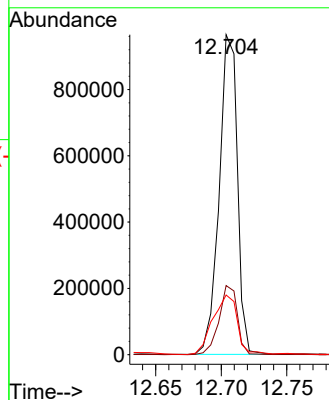
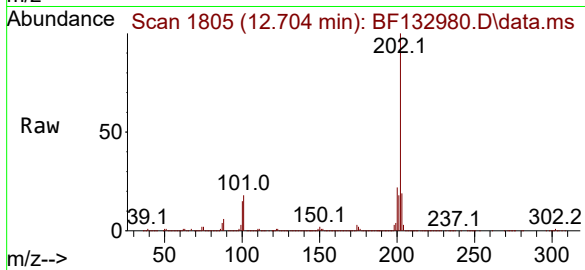
Tgt Ion:202 Resp: 929795

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 45.923 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

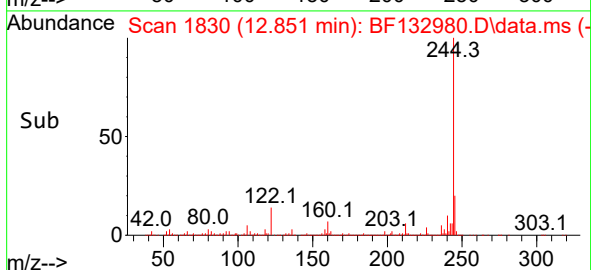
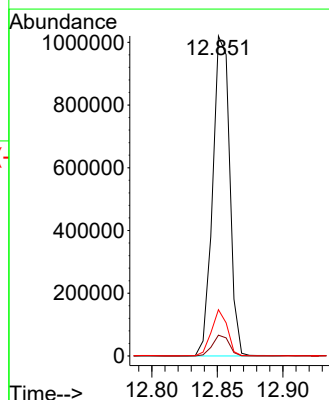
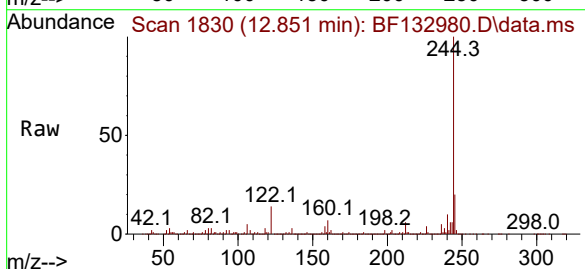
Tgt Ion:244 Resp: 919761

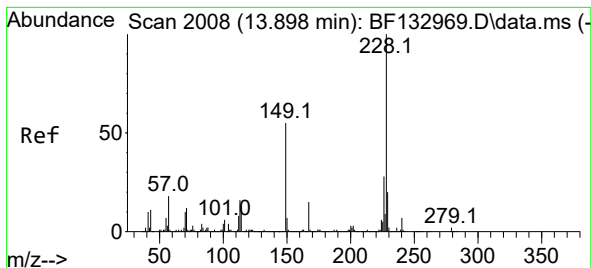
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 14.4 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 20.637 ng

RT: 13.892 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

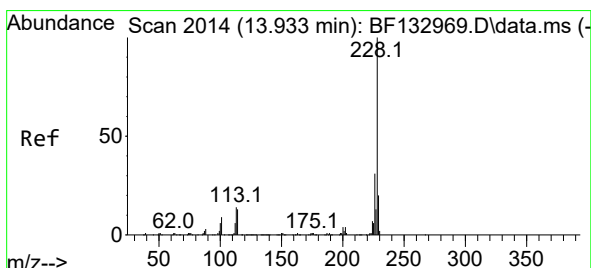
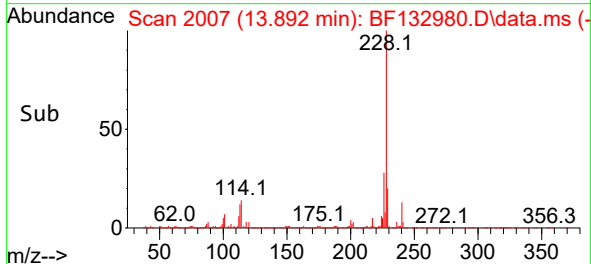
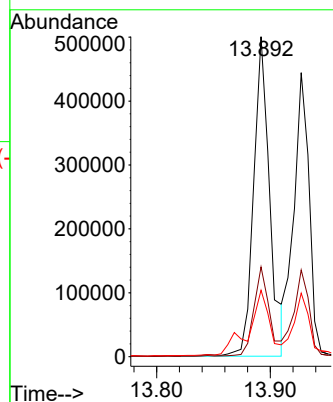
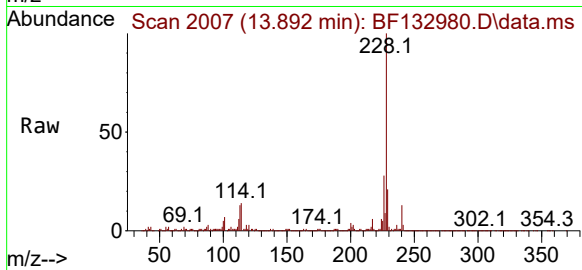
Tgt Ion:228 Resp: 490198

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

229 20.8 16.0 24.0



#83

Chrysene

Concen: 17.538 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

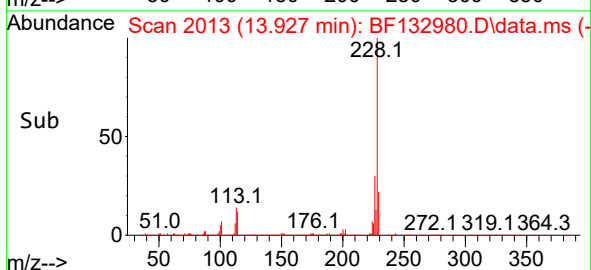
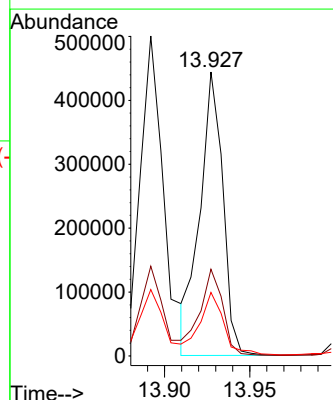
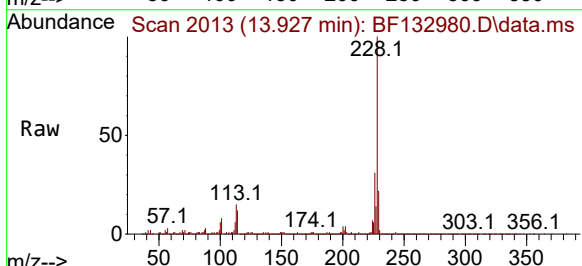
Tgt Ion:228 Resp: 416483

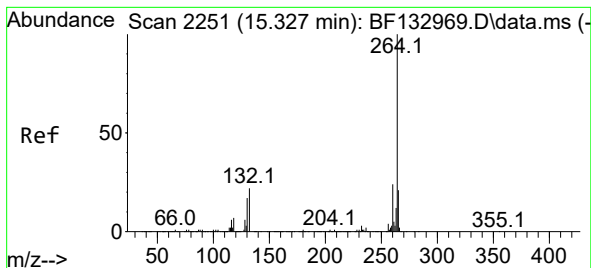
Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 22.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

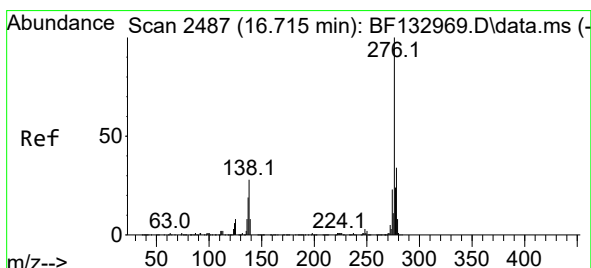
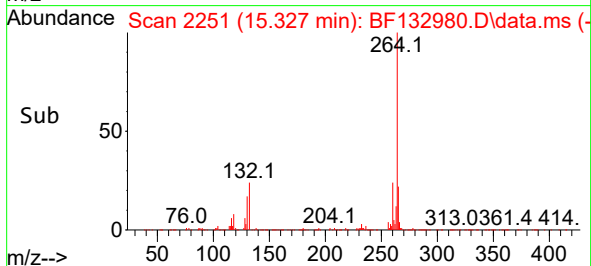
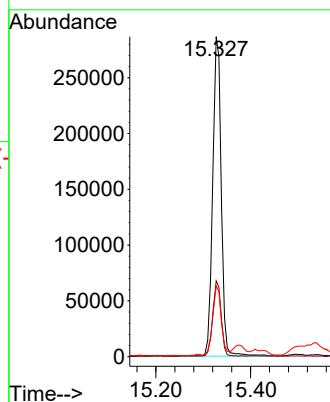
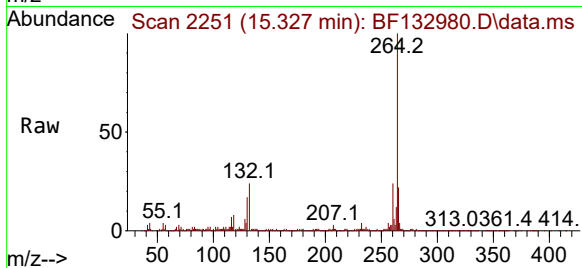
Tgt Ion:264 Resp: 361134

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.701 ng

RT: 16.709 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

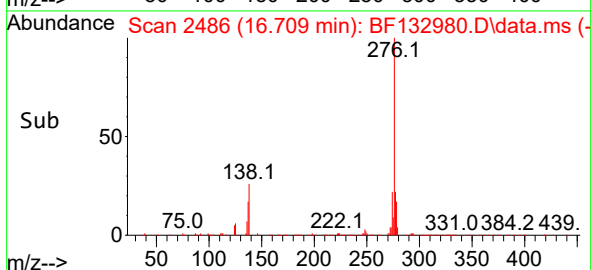
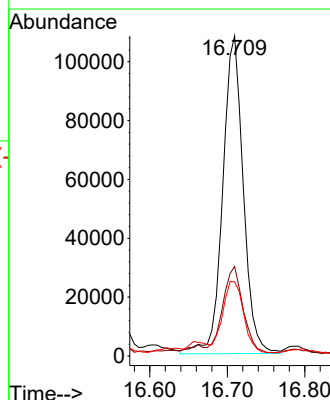
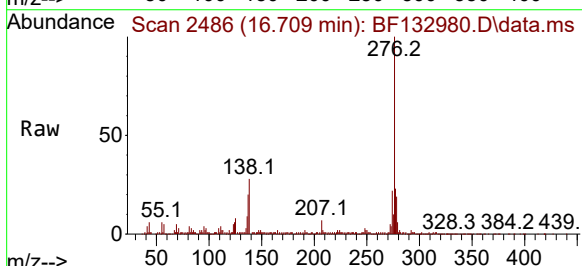
Tgt Ion:276 Resp: 199287

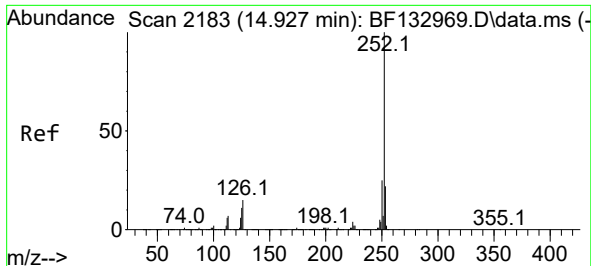
Ion Ratio Lower Upper

276 100

138 26.8 25.5 38.3

277 22.9 20.4 30.6

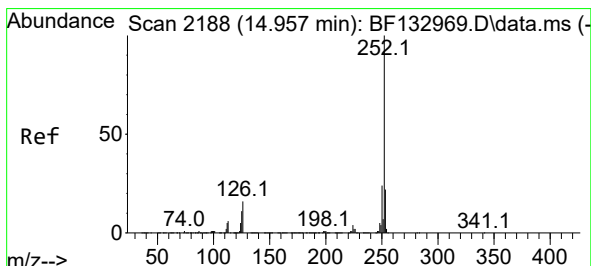
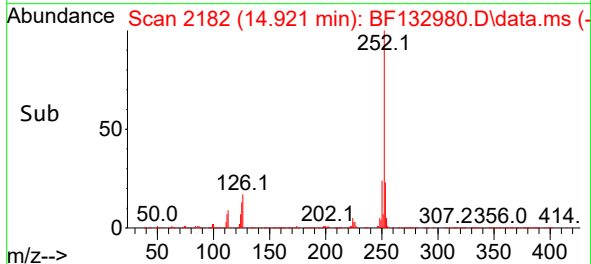
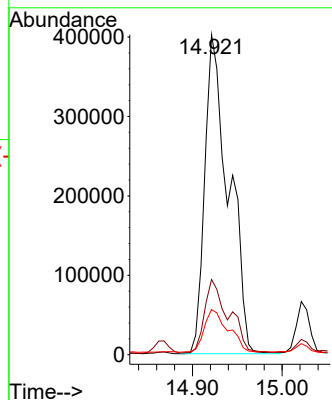
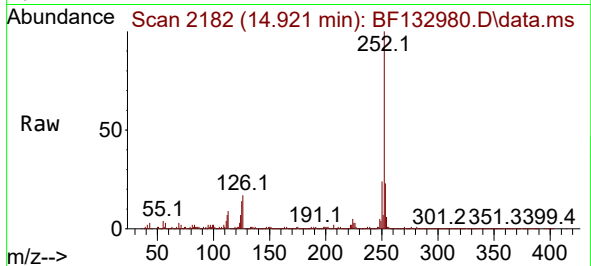




#88
Benzo(b)fluoranthene
Concen: 32.495 ng
RT: 14.921 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

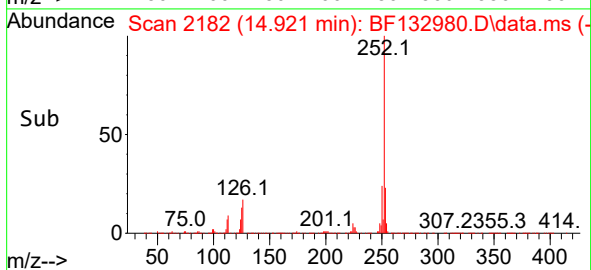
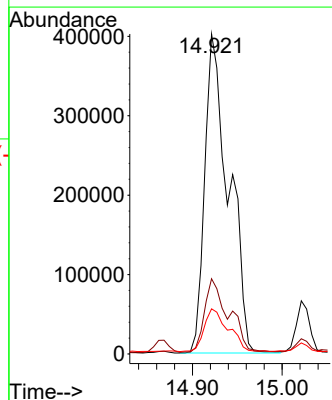
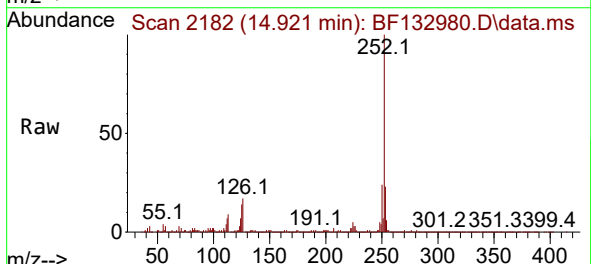
Instrument :
BNA_F
ClientSampleId :
SB-27-8-10-20230411

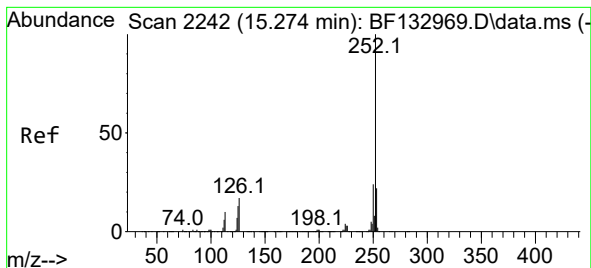
Tgt Ion:252 Resp: 746562
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 14.1 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 32.780 ng
RT: 14.921 min Scan# 2182
Delta R.T. -0.035 min
Lab File: BF132980.D
Acq: 21 Apr 2023 21:03

Tgt Ion:252 Resp: 746562
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 14.1 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 17.333 ng

RT: 15.268 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

Instrument :

BNA_F

ClientSampleId :

SB-27-8-10-20230411

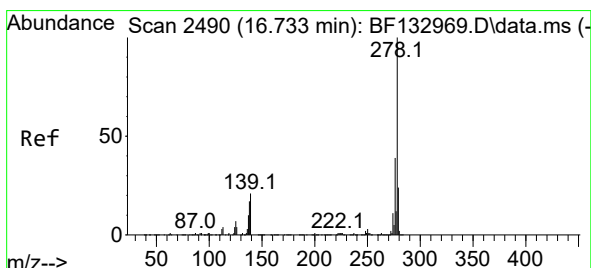
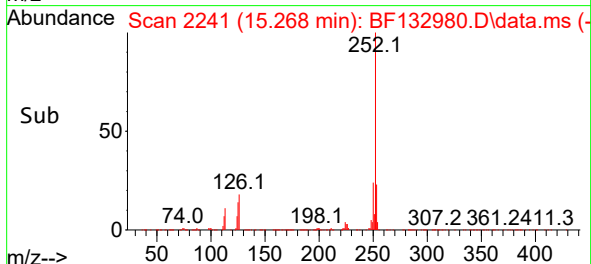
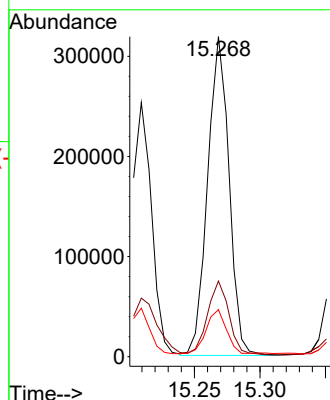
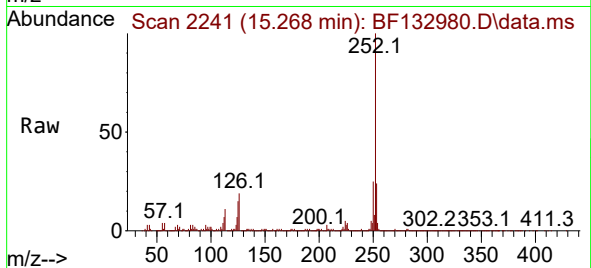
Tgt Ion:252 Resp: 362471

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 14.7 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 3.189 ng

RT: 16.721 min Scan# 2488

Delta R.T. -0.012 min

Lab File: BF132980.D

Acq: 21 Apr 2023 21:03

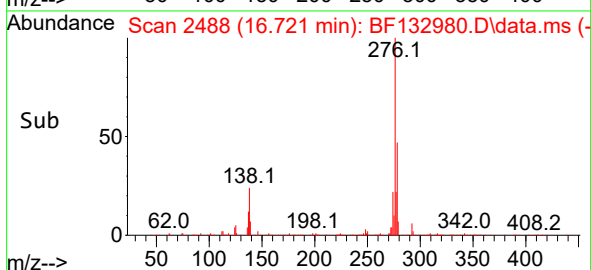
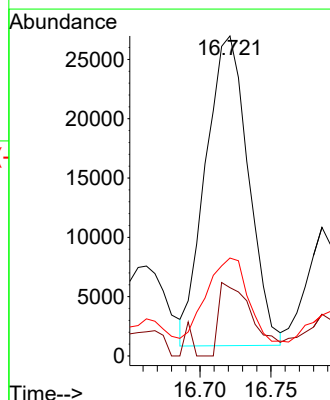
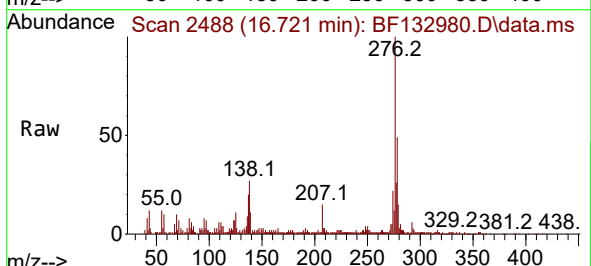
Tgt Ion:278 Resp: 54632

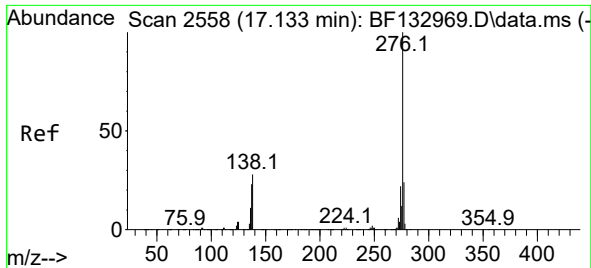
Ion Ratio Lower Upper

278 100

139 21.3 16.6 24.8

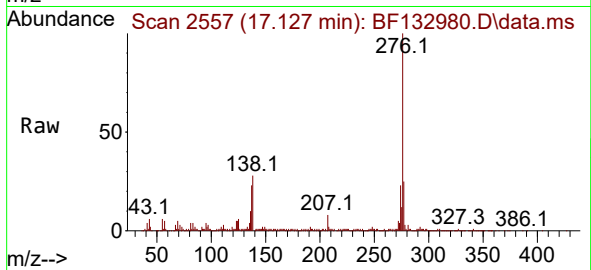
279 30.6 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 10.764 ng
 RT: 17.127 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132980.D
 Acq: 21 Apr 2023 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-8-10-20230411



Tgt Ion:276 Resp: 182075
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.4 29.0
 138 27.5 22.7 34.1

