

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133424.D
 Acq On : 17 May 2023 20:53
 Operator : CG\JU
 Sample : 02807-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 360

Quant Time: May 18 04:05:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

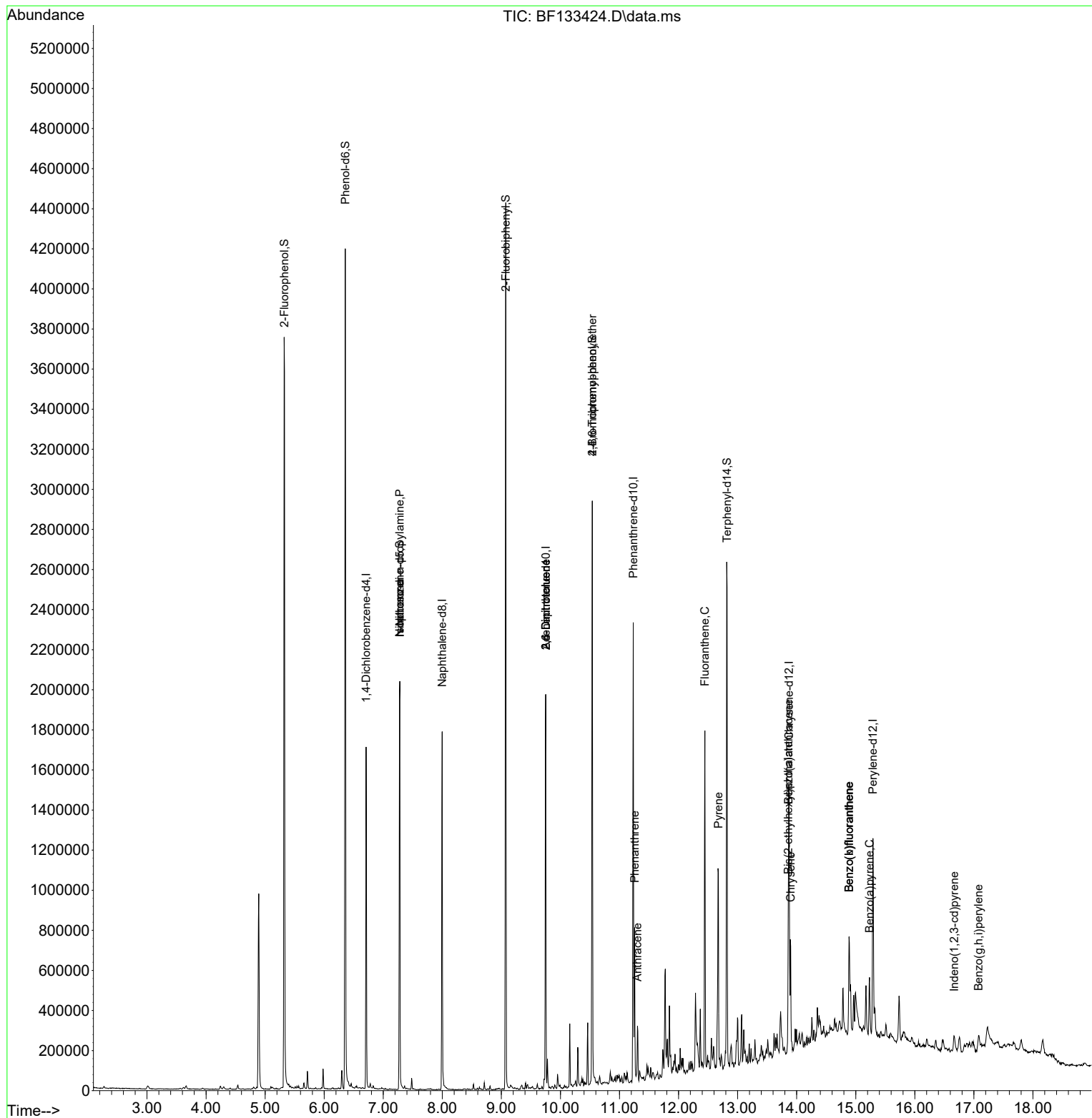
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	239078	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	778344	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	395598	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	759850	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	369912	20.000	ng	-0.02
86) Perylene-d12	15.292	264	429004	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1187484	75.031	ng	0.00
7) Phenol-d6	6.357	99	1465621	74.609	ng	-0.01
23) Nitrobenzene-d5	7.281	82	677468	46.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	350930	88.207	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1276000	53.963	ng	-0.01
79) Terphenyl-d14	12.821	244	959606	44.740	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	694	Below Cal	#	56
19) n-Nitroso-di-n-propyla...	7.281	70	87025	7.116 ng	#	72
25) Isophorone	7.281	82	677464	24.744 ng	#	63
51) 2,6-Dinitrotoluene	9.751	165	52850	8.513 ng	#	24
57) 2,4-Dinitrotoluene	9.751	165	52850	6.675 ng	#	23
67) 4-Bromophenyl-phenylether	10.539	248	22390	2.717 ng	#	1
71) Phenanthrene	11.257	178	265228	6.494 ng		98
72) Anthracene	11.304	178	102185	2.445 ng		98
75) Fluoranthene	12.445	202	609826	14.878 ng		96
78) Pyrene	12.674	202	421285	13.286 ng		99
81) Benzo(a)anthracene	13.863	228	193107	7.591 ng		99
83) Chrysene	13.898	228	236743	9.309 ng		98
84) Bis(2-ethylhexyl)phtha...	13.857	149	33346	2.366 ng		95
87) Indeno(1,2,3-cd)pyrene	16.668	276	53797	2.205 ng		93
88) Benzo(b)fluoranthene	14.886	252	319128	11.693 ng	#	97
89) Benzo(k)fluoranthene	14.886	252	319128	11.796 ng	#	97
90) Benzo(a)pyrene	15.233	252	129339	5.206 ng		100
92) Benzo(g,h,i)perylene	17.080	276	48700	2.424 ng		95

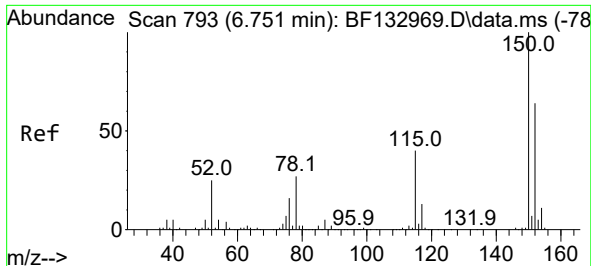
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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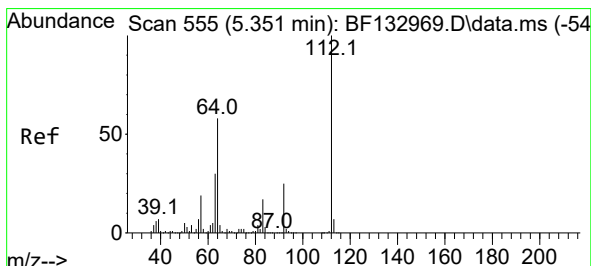
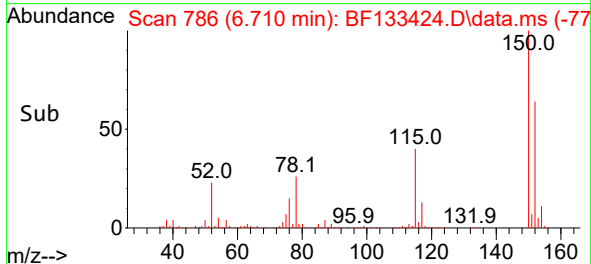
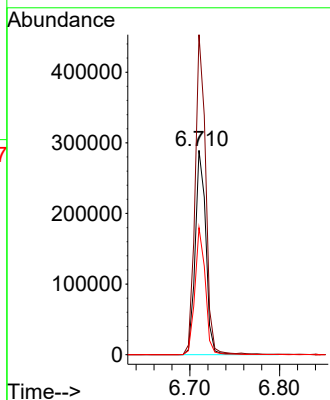
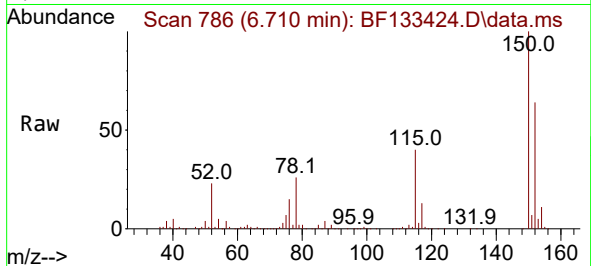




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.710 min Scan# 793
 Delta R.T. -0.012 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53

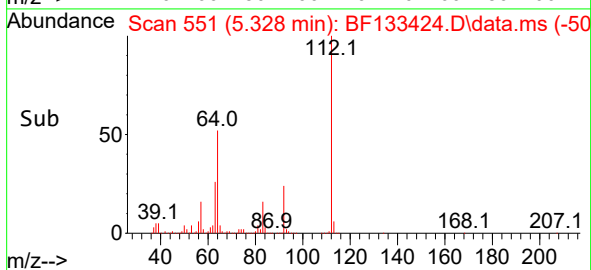
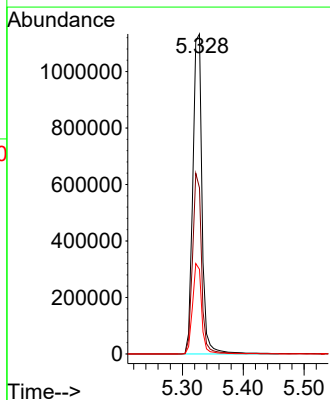
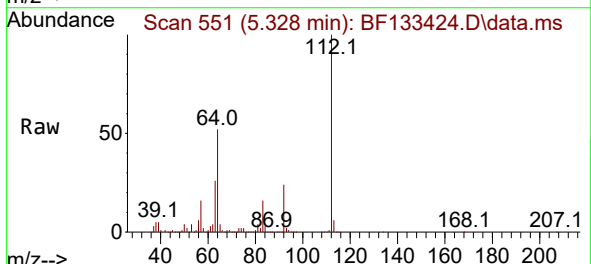
Instrument :
 BNA_F
 ClientSampleId :
 360

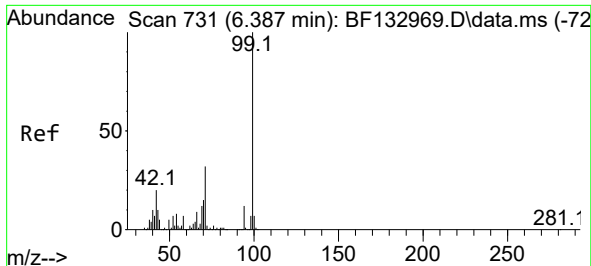
Tgt Ion:152 Resp: 239078
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.8 187.2
 115 62.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 75.031 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53

Tgt Ion:112 Resp: 1187484
 Ion Ratio Lower Upper
 112 100
 64 51.9 46.8 70.2
 63 26.4 23.8 35.8

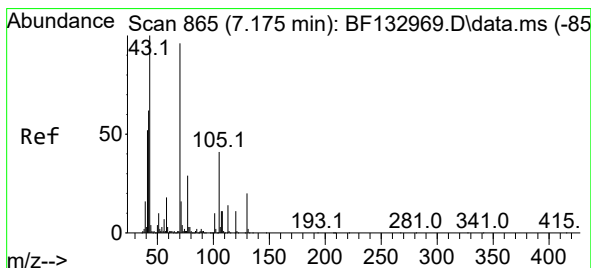
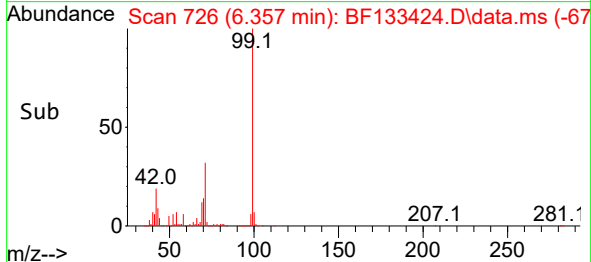
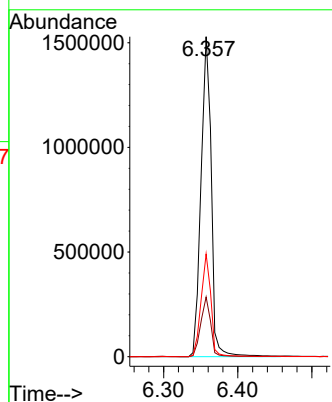
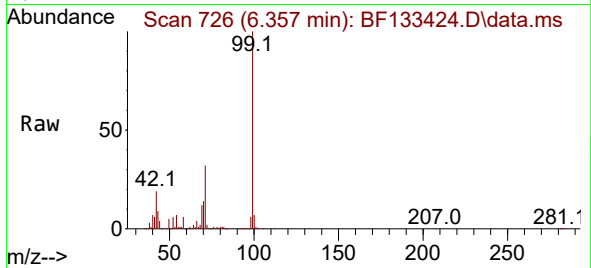




#7
Phenol-d6
Concen: 74.609 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

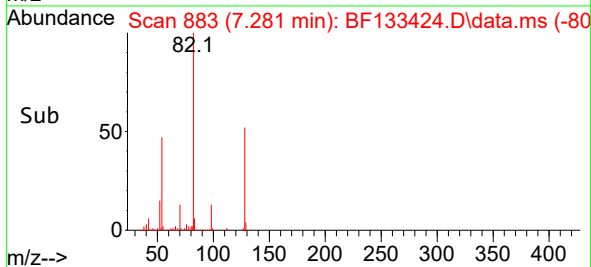
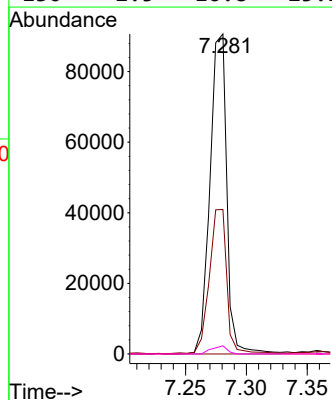
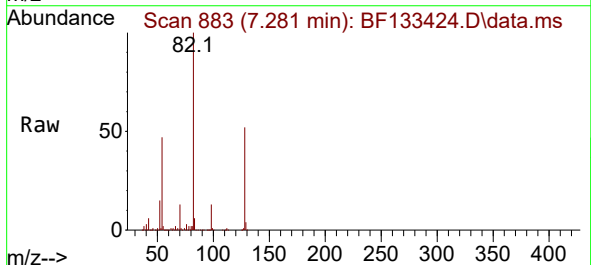
Instrument :
BNA_F
ClientSampleId :
360

Tgt Ion: 99 Resp: 1465621
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.116 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion: 70 Resp: 87025
Ion Ratio Lower Upper
70 100
42 45.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

Tgt Ion:136 Resp: 778344

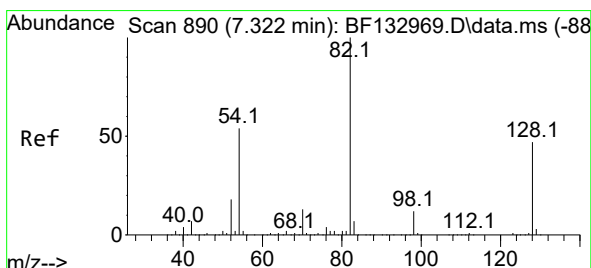
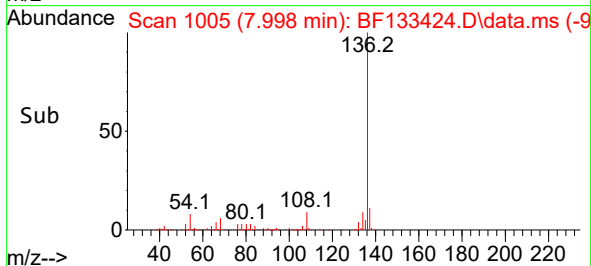
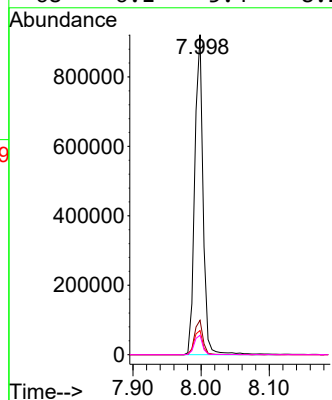
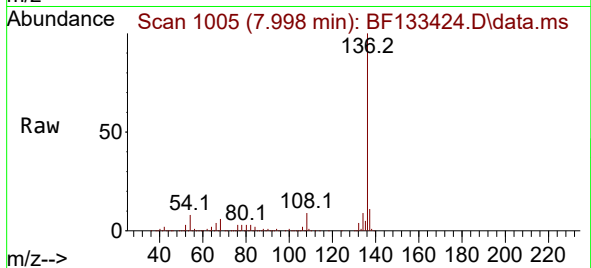
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.6 7.0 10.4

68 6.1 5.4 8.2



#23

Nitrobenzene-d5

Concen: 46.981 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

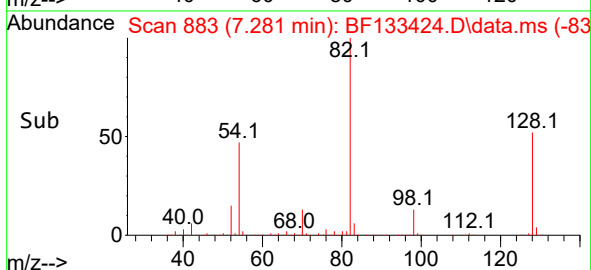
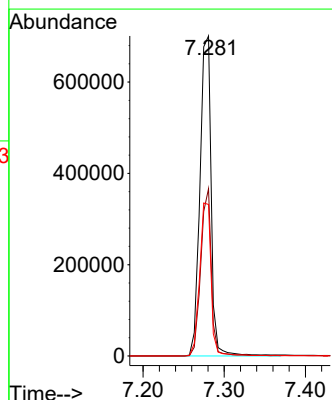
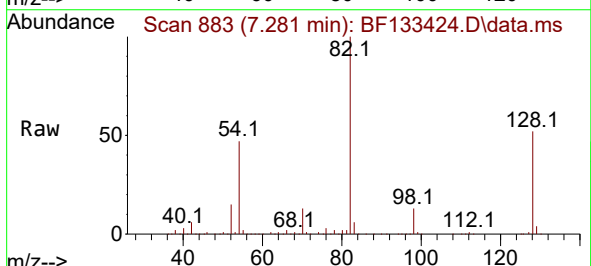
Tgt Ion: 82 Resp: 677468

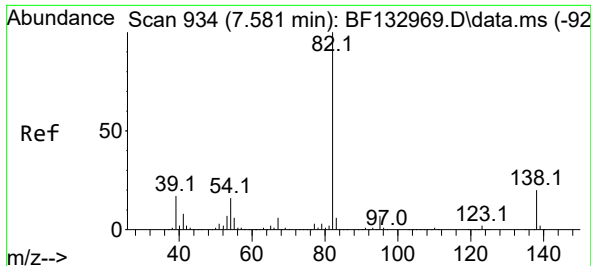
Ion Ratio Lower Upper

82 100

128 52.3 37.7 56.5

54 47.4 43.0 64.4

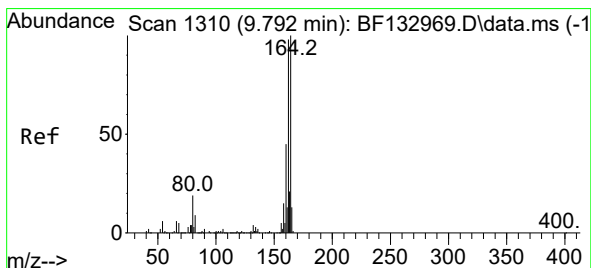
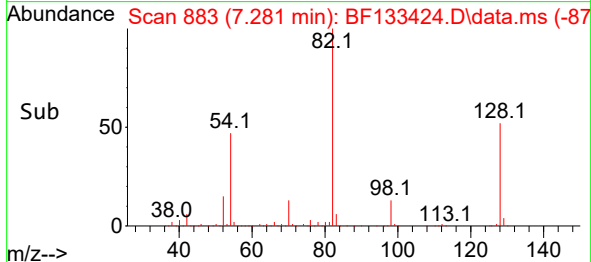
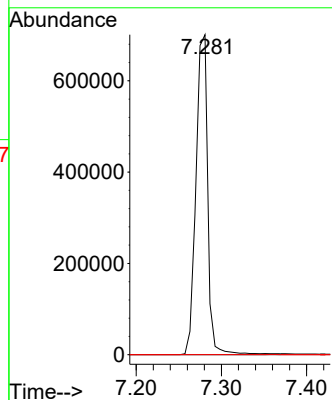
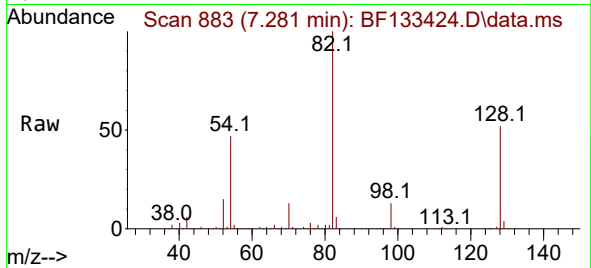




#25
Isophorone
Concen: 24.744 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

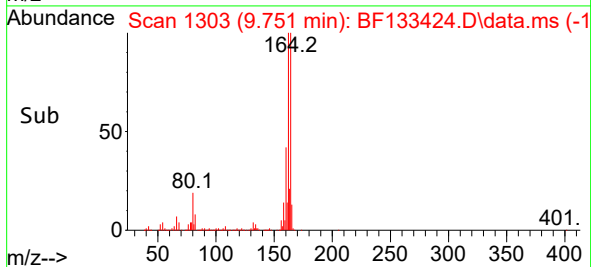
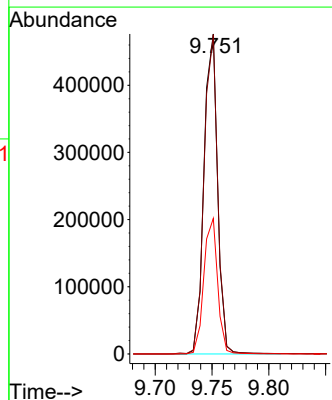
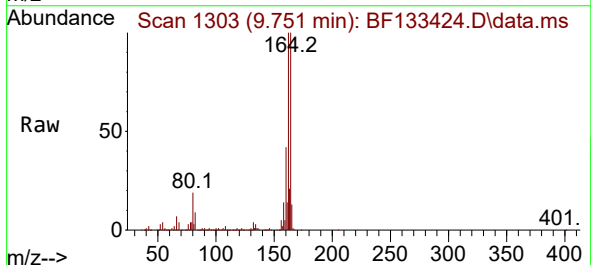
Instrument :
BNA_F
ClientSampleId :
360

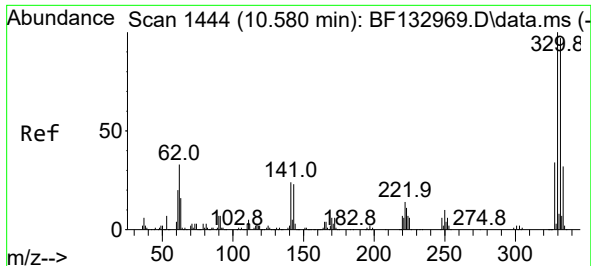
Tgt Ion: 82 Resp: 677464
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:164 Resp: 395598
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 42.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 88.207 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

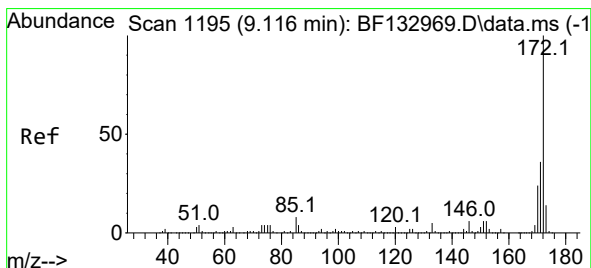
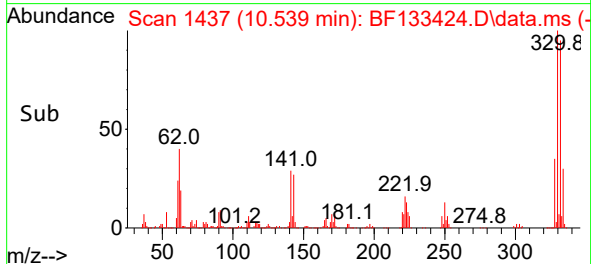
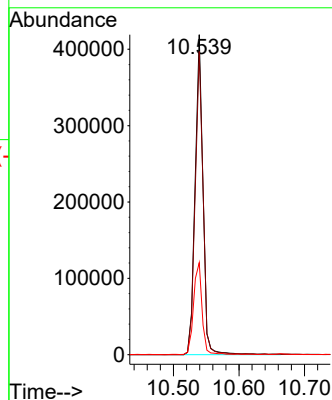
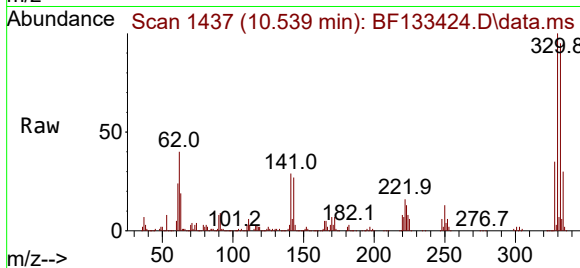
Tgt Ion:330 Resp: 350930

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 31.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 53.963 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

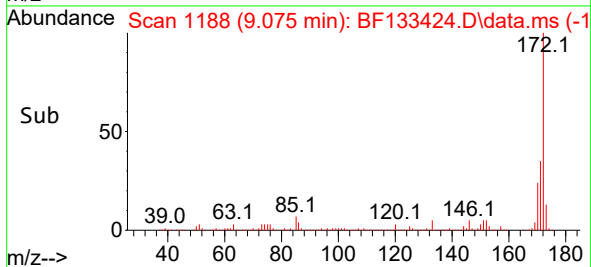
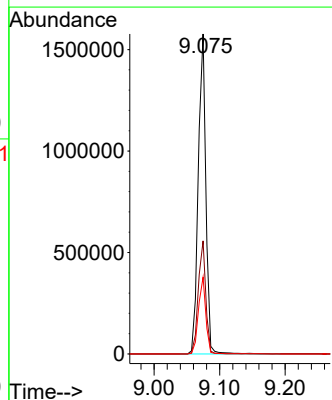
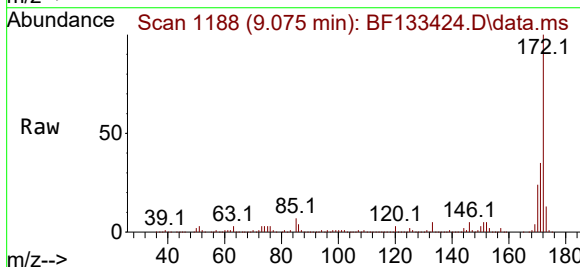
Tgt Ion:172 Resp: 1276000

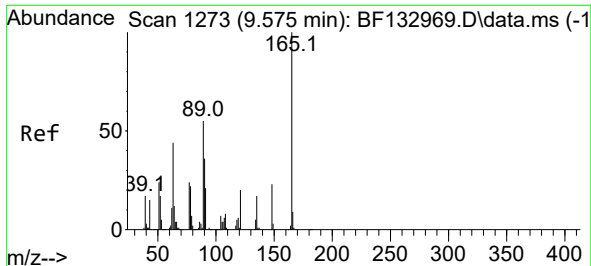
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 24.0 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.513 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

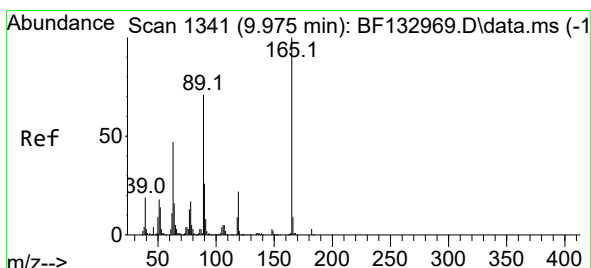
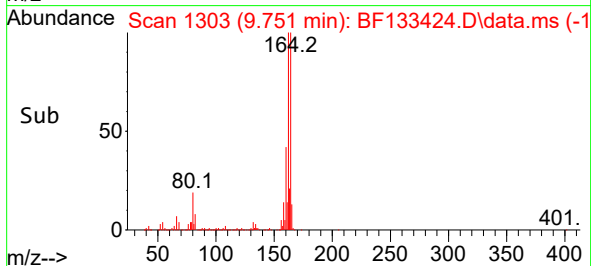
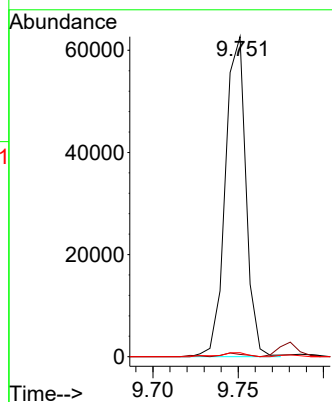
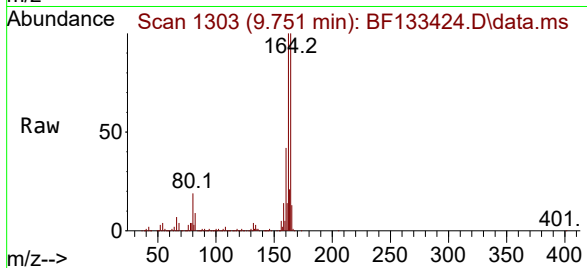
Tgt Ion:165 Resp: 52850

Ion Ratio Lower Upper

165 100

63 0.7 45.9 68.9#

89 1.3 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.675 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.206 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Tgt Ion:165 Resp: 52850

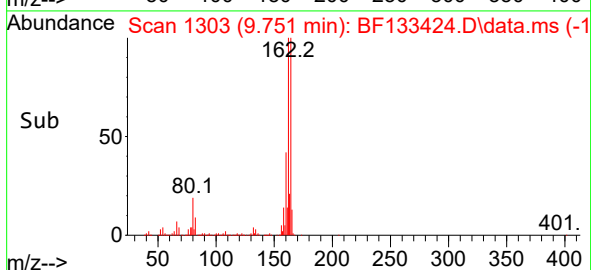
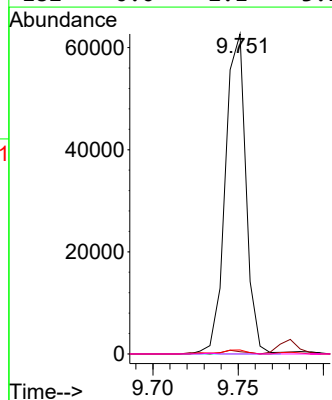
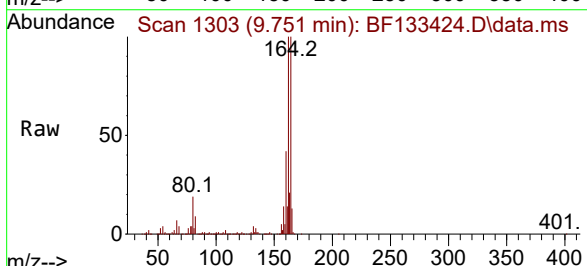
Ion Ratio Lower Upper

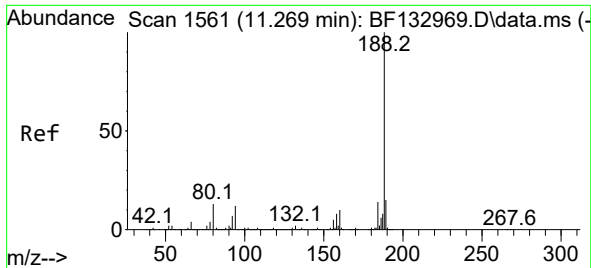
165 100

63 0.7 37.7 56.5#

89 1.3 57.0 85.4#

182 0.0 2.1 3.1#

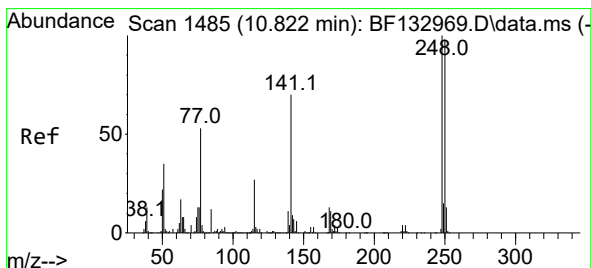
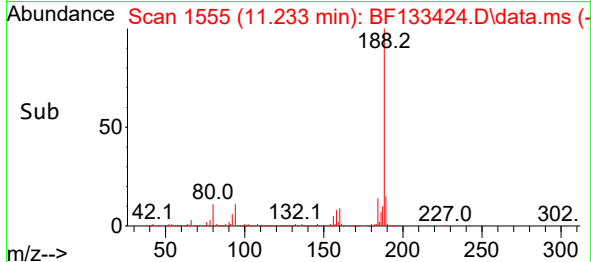
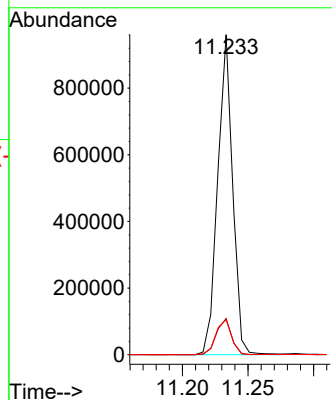
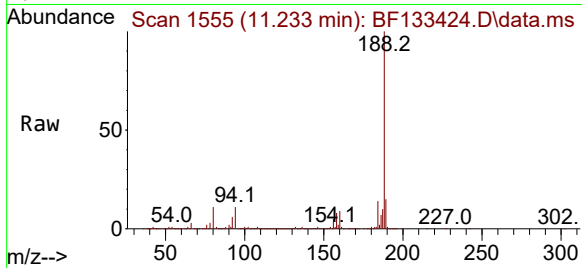




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

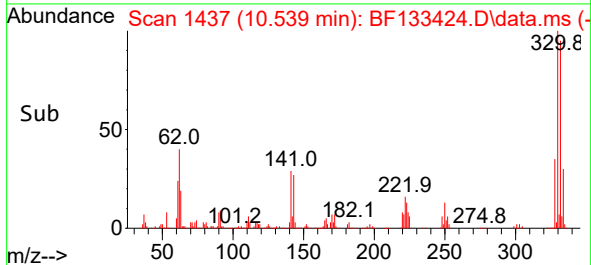
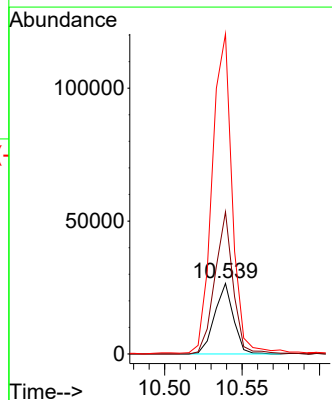
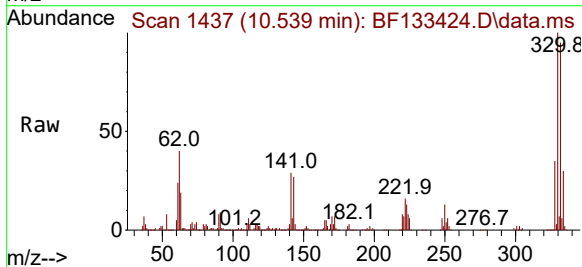
Instrument :
BNA_F
ClientSampleId :
360

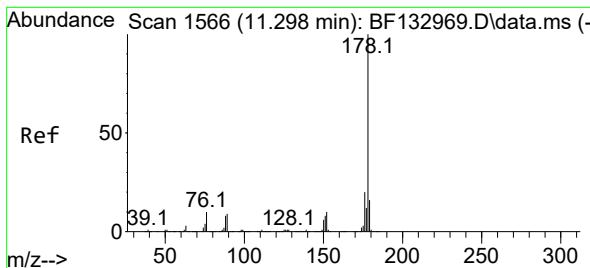
Tgt Ion:188 Resp: 759850
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 10.9 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.717 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:248 Resp: 22390
Ion Ratio Lower Upper
248 100
250 201.1 78.7 118.1#
141 453.1 56.3 84.5#





#71

Phenanthrene

Concen: 6.494 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

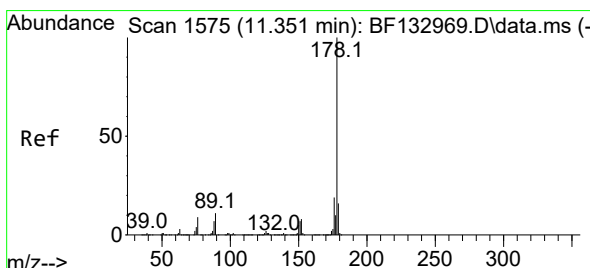
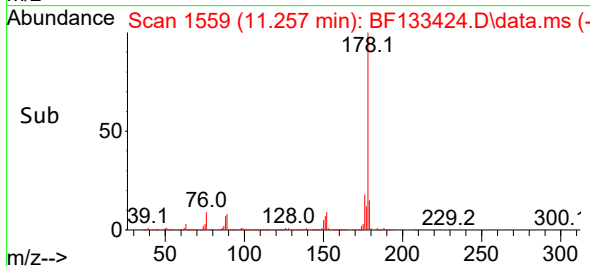
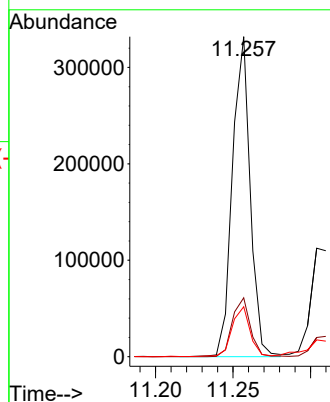
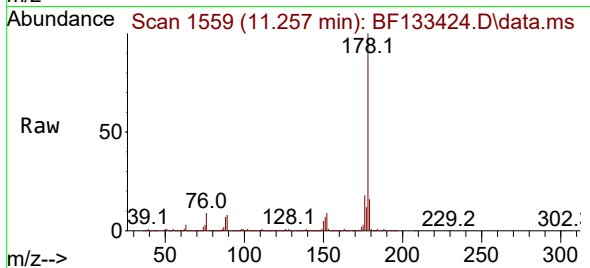
Tgt Ion:178 Resp: 265228

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 2.445 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.018 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

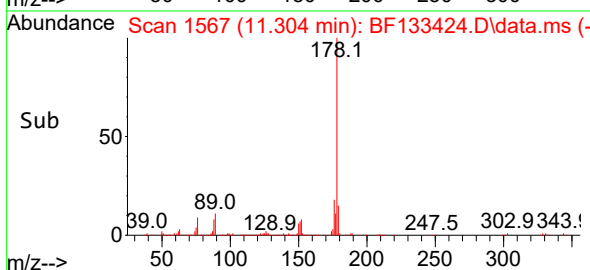
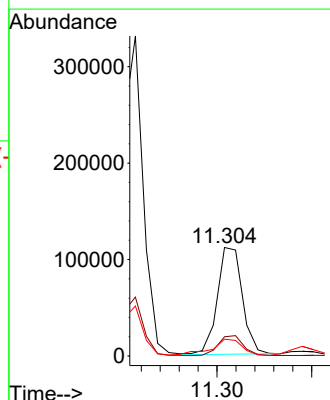
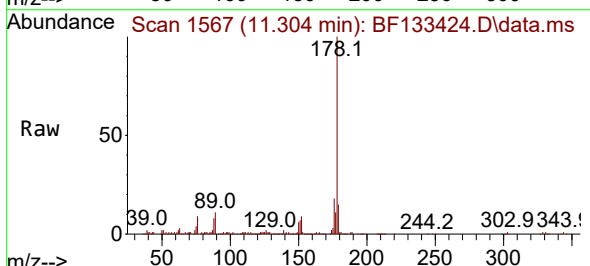
Tgt Ion:178 Resp: 102185

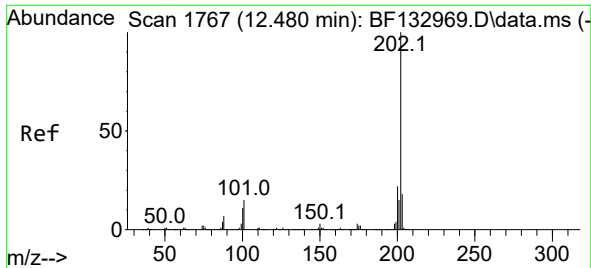
Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.0

179 15.4 12.4 18.6

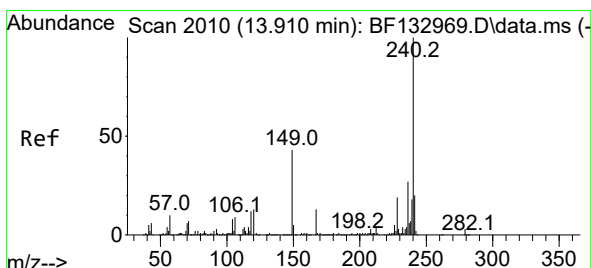
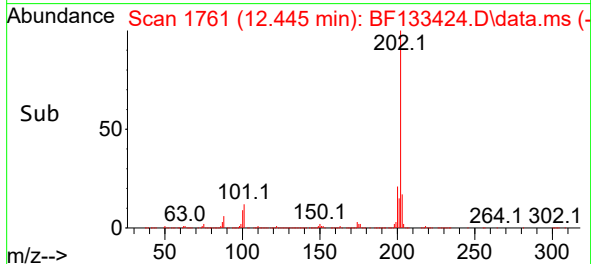
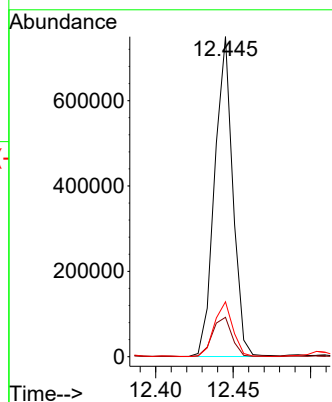
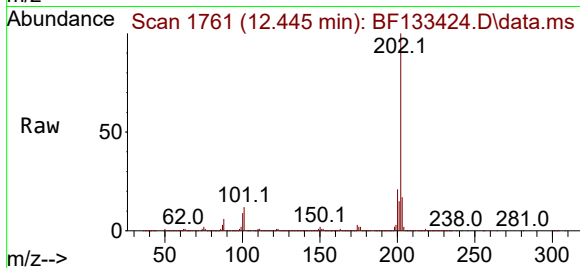




#75
Fluoranthene
Concen: 14.878 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

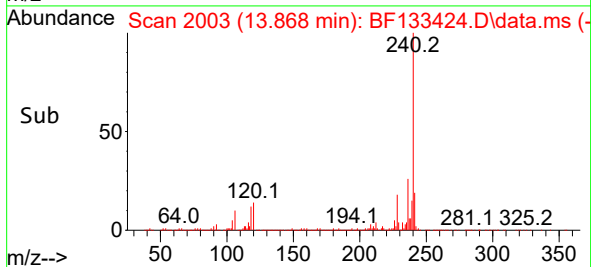
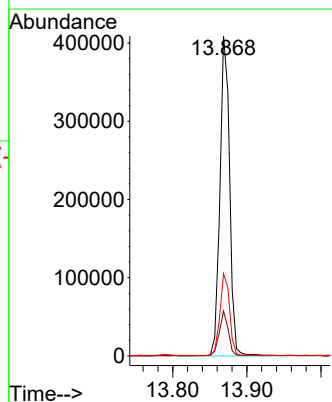
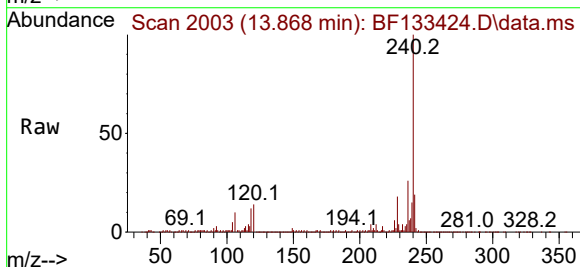
Instrument :
BNA_F
ClientSampleId :
360

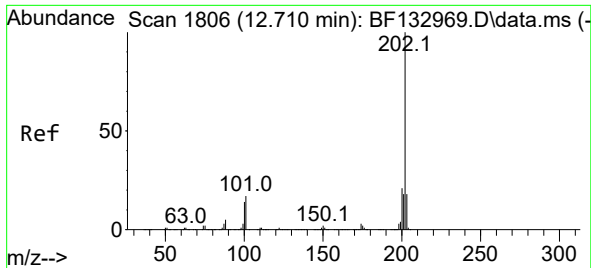
Tgt Ion:202 Resp: 609826
Ion Ratio Lower Upper
202 100
101 12.3 0.0 35.3
203 17.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:240 Resp: 369912
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 25.7 21.5 32.3

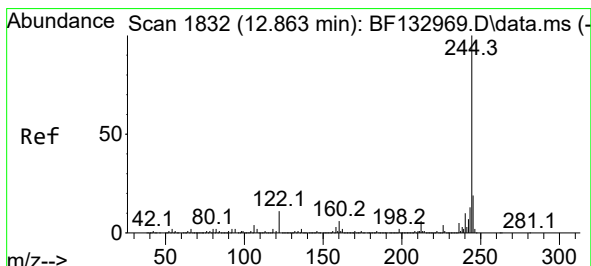
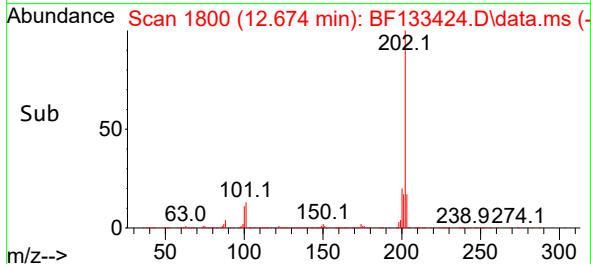
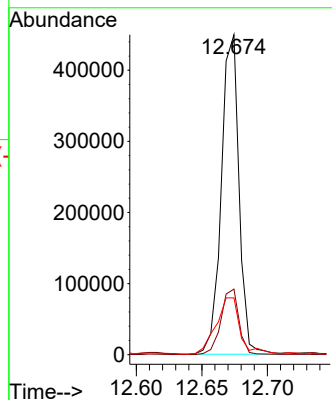
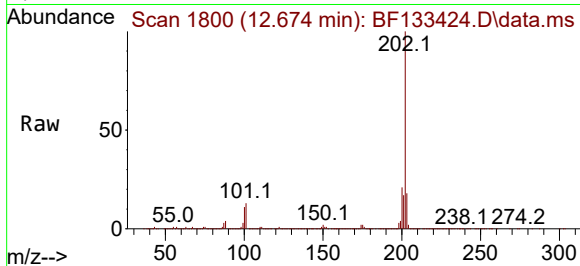




#78
Pyrene
Concen: 13.286 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

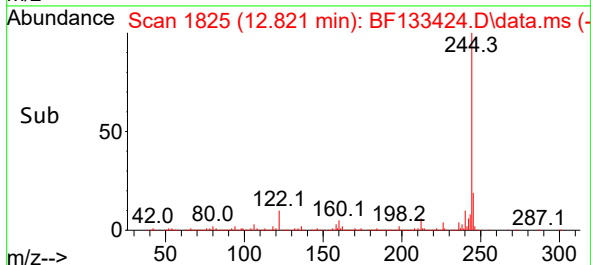
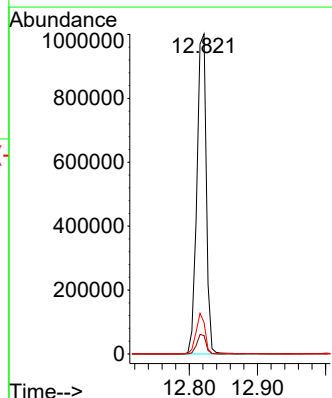
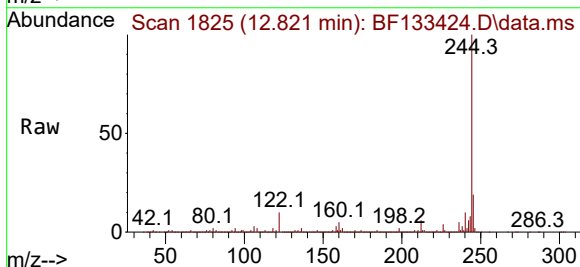
Instrument :
BNA_F
ClientSampleId :
360

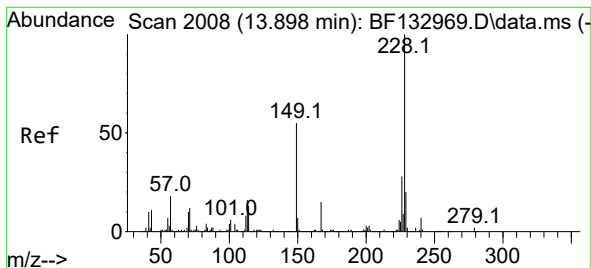
Tgt Ion:202 Resp: 421285
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.8 14.1 21.1



#79
Terphenyl-d14
Concen: 44.740 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:244 Resp: 959606
Ion Ratio Lower Upper
244 100
212 5.7 5.1 7.7
122 9.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 7.591 ng

RT: 13.863 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

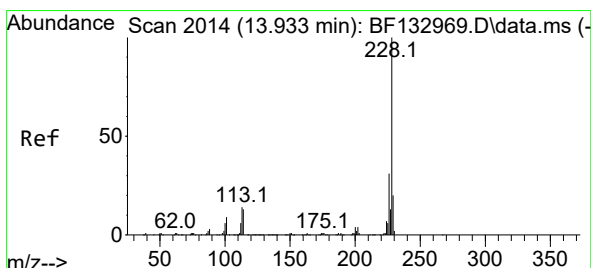
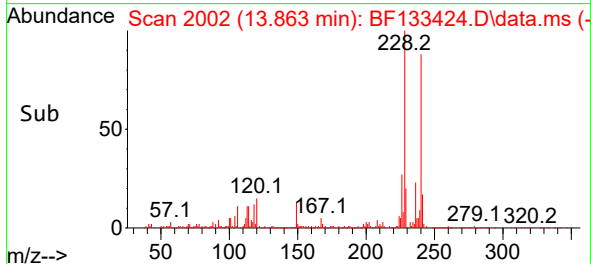
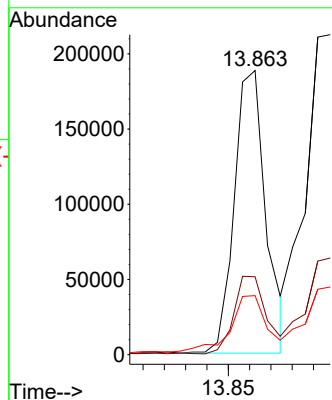
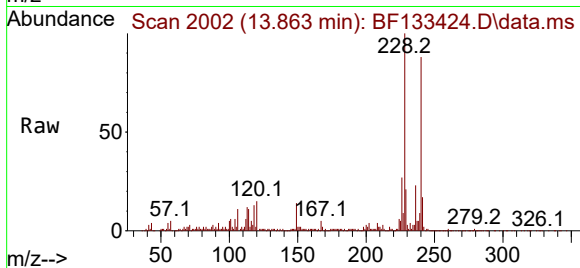
Tgt Ion:228 Resp: 193107

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.4

229 20.8 16.0 24.0



#83

Chrysene

Concen: 9.309 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

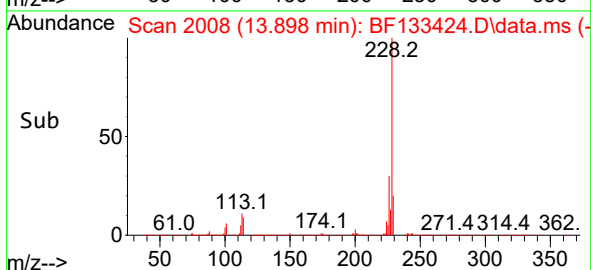
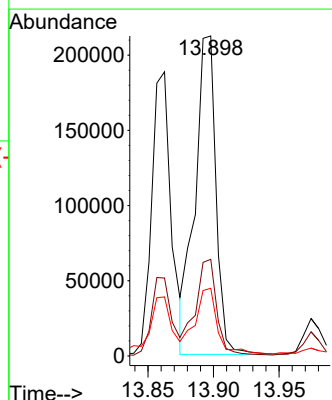
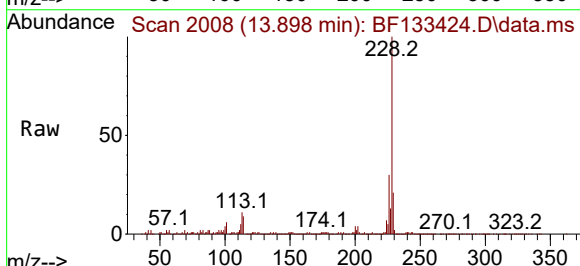
Tgt Ion:228 Resp: 236743

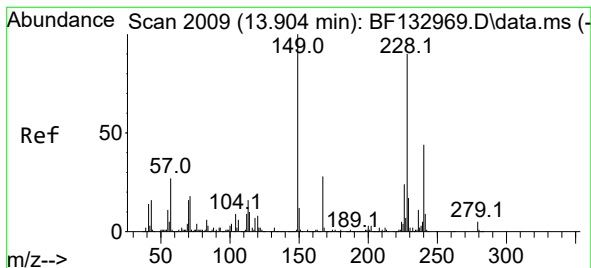
Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 21.1 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.366 ng

RT: 13.857 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

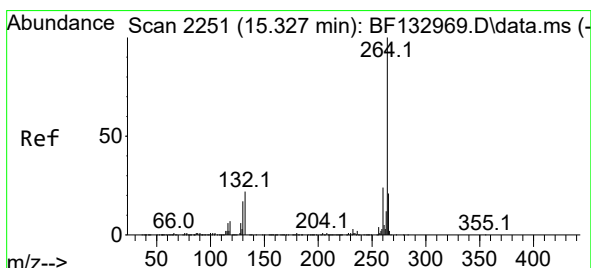
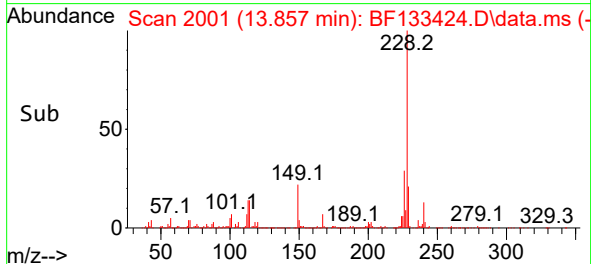
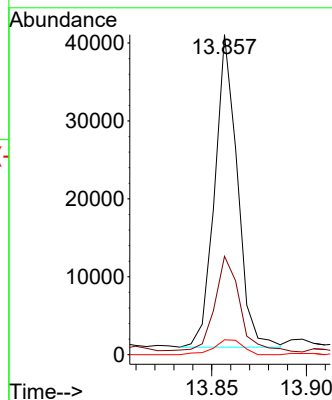
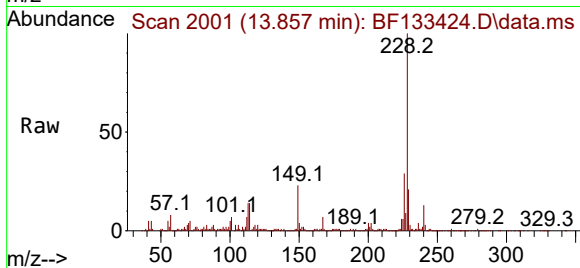
Tgt Ion:149 Resp: 33346

Ion Ratio Lower Upper

149 100

167 30.7 22.5 33.7

279 4.6 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

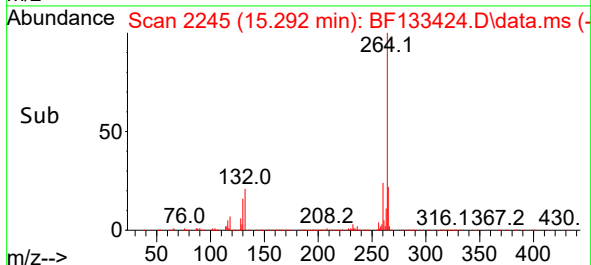
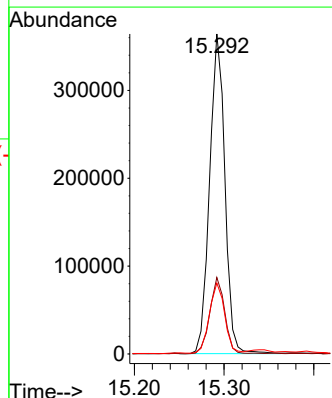
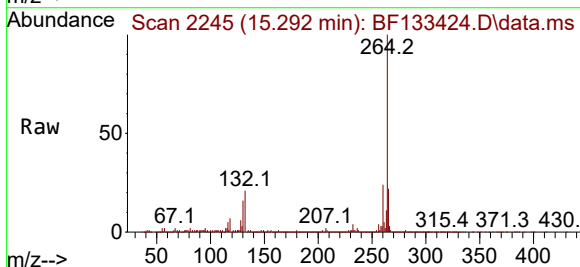
Tgt Ion:264 Resp: 429004

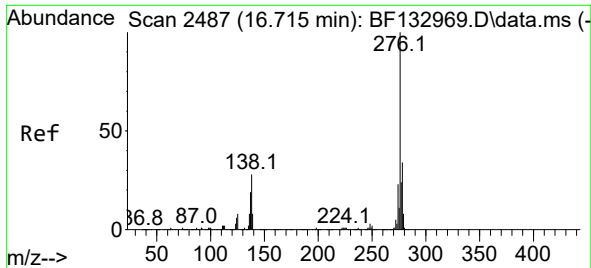
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.1 17.0 25.4

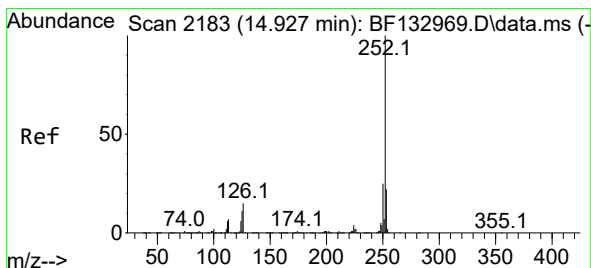
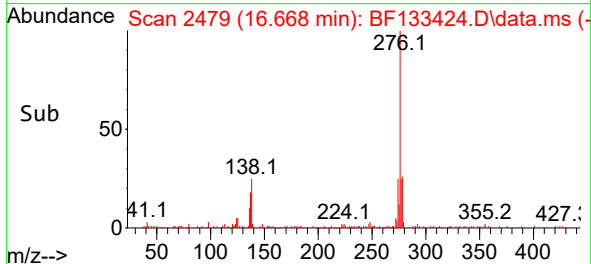
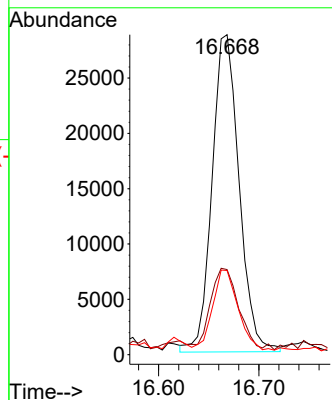
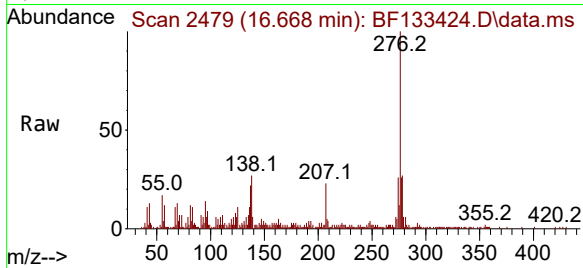




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.205 ng
RT: 16.668 min Scan# 2487
Delta R.T. -0.029 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

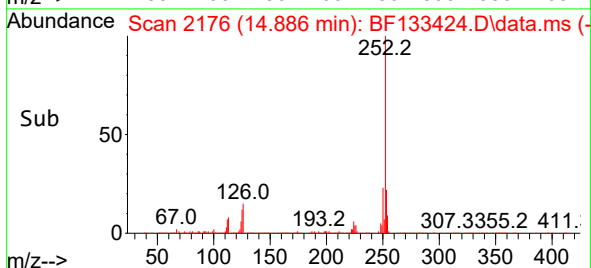
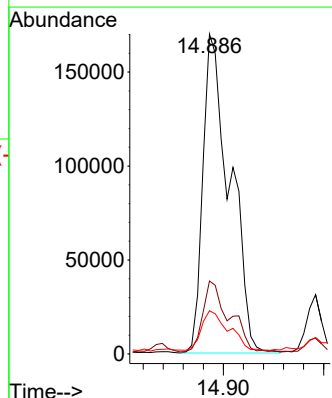
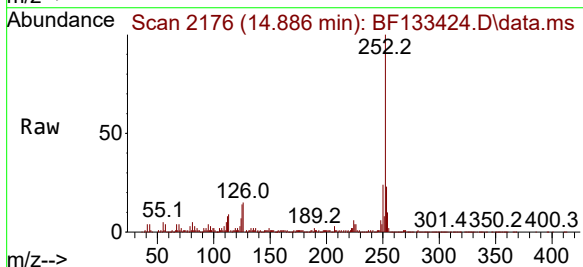
Instrument :
BNA_F
ClientSampleId :
360

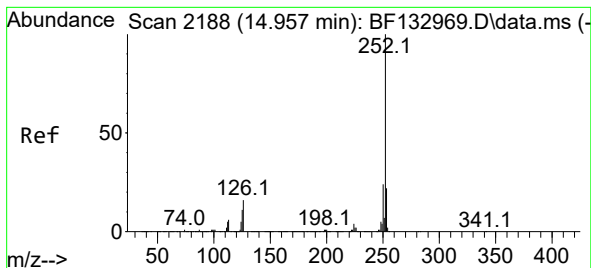
Tgt Ion:276 Resp: 53797
Ion Ratio Lower Upper
276 100
138 25.7 25.5 38.3
277 24.4 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 11.693 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:252 Resp: 319128
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 11.796 ng

RT: 14.886 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

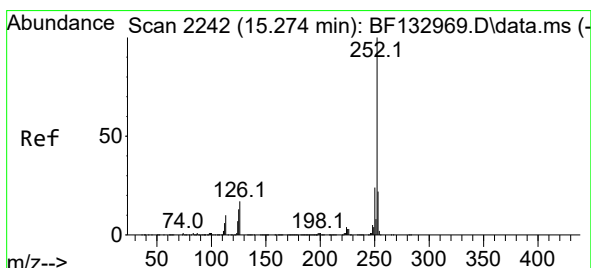
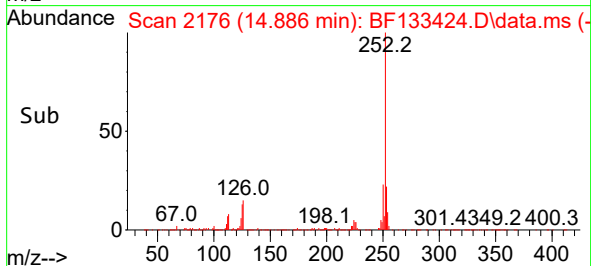
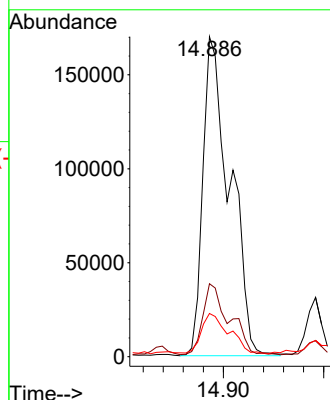
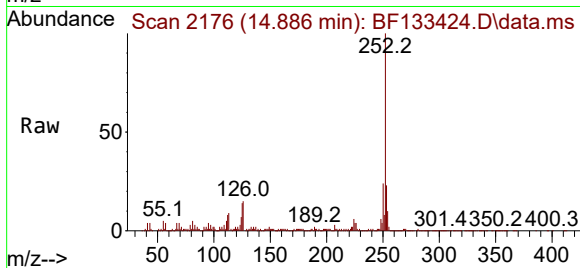
Tgt Ion:252 Resp: 319128

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 13.5 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 5.206 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

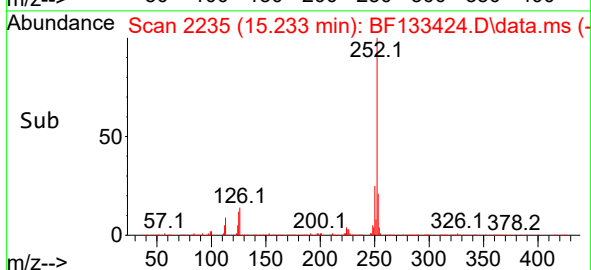
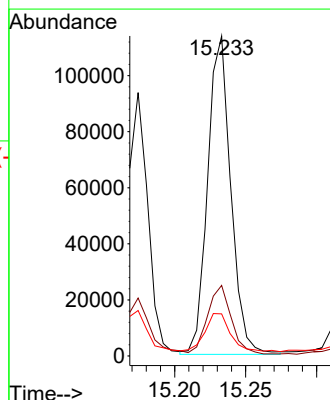
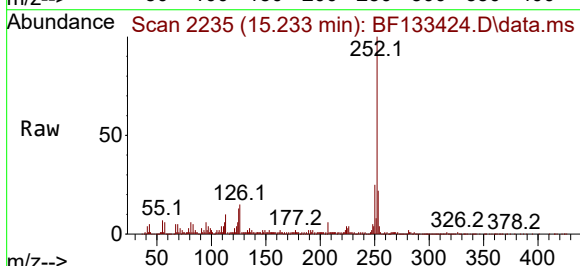
Tgt Ion:252 Resp: 129339

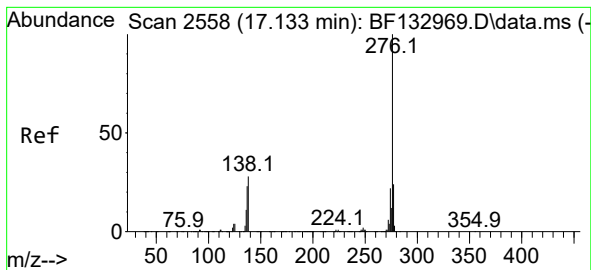
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 13.2 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.424 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133424.D

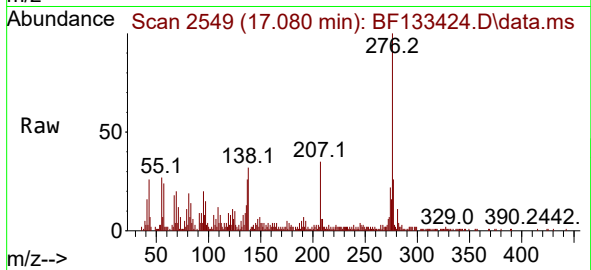
Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360



Tgt Ion:276 Resp: 48700

Ion Ratio Lower Upper

276 100

277 25.6 19.4 29.0

138 31.9 22.7 34.1

