

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133598.D
 Acq On : 06 Jun 2023 18:44
 Operator : CG\JU
 Sample : 03002-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB05A

Quant Time: Jun 07 04:00:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

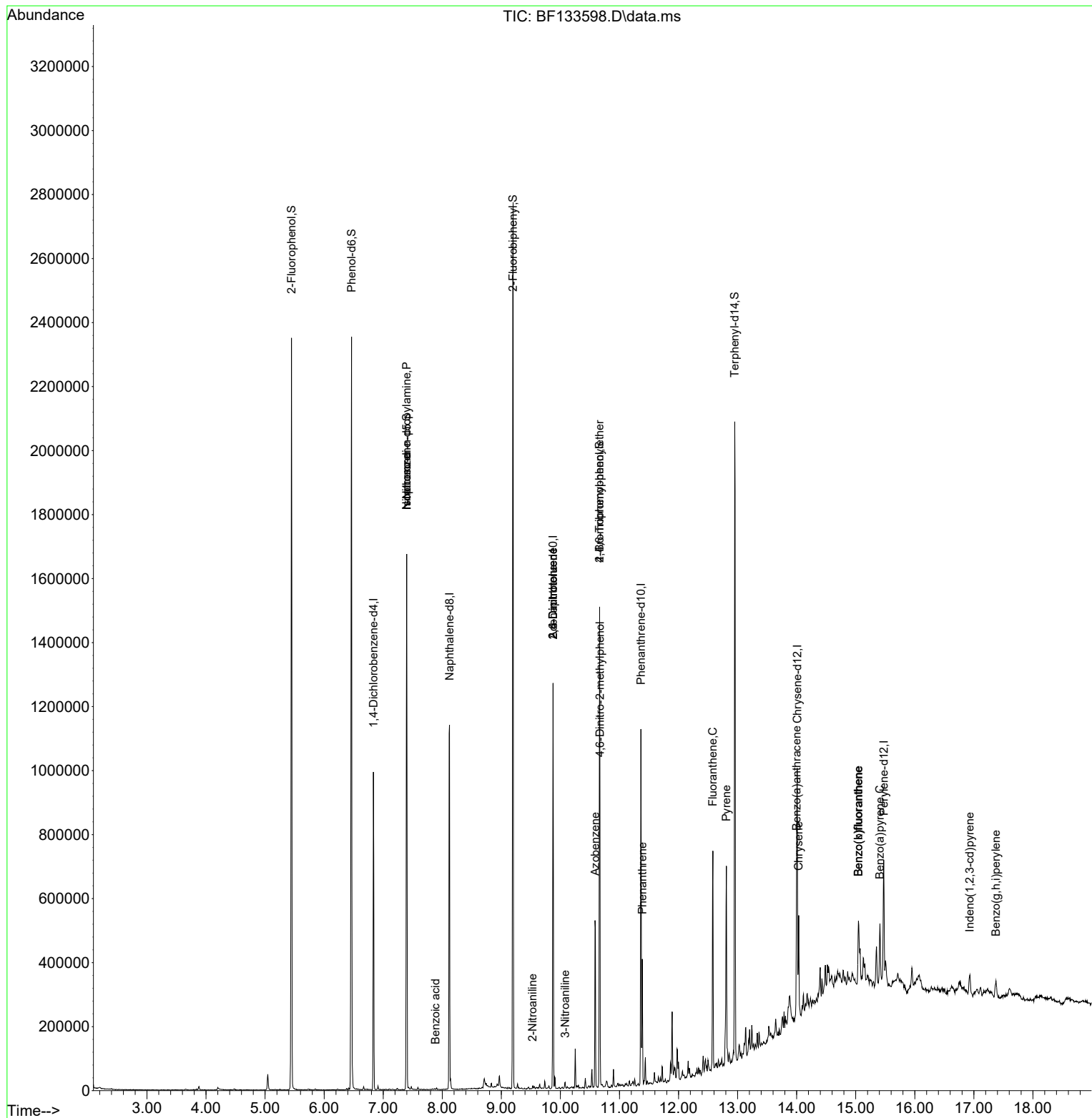
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133719	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	499161	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	220324	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	365235	20.000	ng	0.00
76) Chrysene-d12	14.010	240	211206	20.000	ng	0.00
86) Perylene-d12	15.474	264	172811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	597468	74.548	ng	0.00
7) Phenol-d6	6.463	99	723435	73.327	ng	0.00
23) Nitrobenzene-d5	7.398	82	455880	60.979	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	167123	76.096	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	844820	59.182	ng	0.00
79) Terphenyl-d14	12.951	244	700377	58.959	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	576	Below Cal	#	44
19) n-Nitroso-di-n-propyla...	7.398	70	62909	9.855	ng	# 76
25) Isophorone	7.398	82	455875	26.164	ng	# 65
32) Benzoic acid	7.887	122	157	7.376	ng	# 22
48) 2-Nitroaniline	9.528	65	54	4.003	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	29267	12.860	ng	# 18
53) 3-Nitroaniline	10.081	138	72	3.198	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	29267	11.963	ng	# 15
63) Azobenzene	10.586	77	89414	5.557	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.669	198	331	8.893	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	10043	2.589	ng	# 1
71) Phenanthrene	11.386	178	121615	6.574	ng	99
75) Fluoranthene	12.580	202	261791	12.812	ng	98
78) Pyrene	12.810	202	250352	13.930	ng	98
81) Benzo(a)anthracene	13.998	228	132452	9.414	ng	98
83) Chrysene	14.033	228	113867	8.017	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	46508	4.225	ng	# 93
88) Benzo(b)fluoranthene	15.045	252	155832	13.848	ng	# 95
89) Benzo(k)fluoranthene	15.045	252	155832	14.202	ng	# 95
90) Benzo(a)pyrene	15.410	252	84998	8.301	ng	98
92) Benzo(g,h,i)perylene	17.374	276	46957	5.218	ng	96

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

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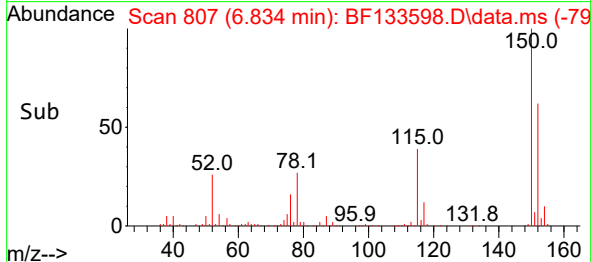
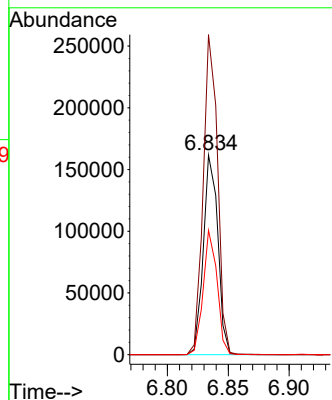
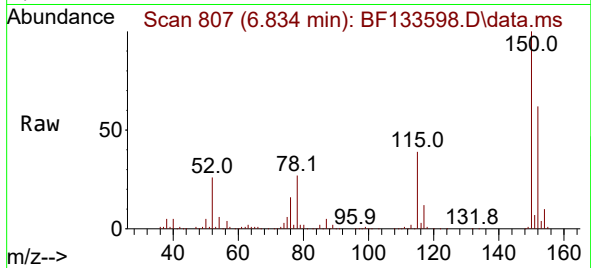




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

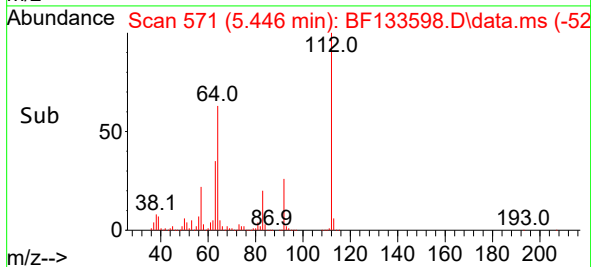
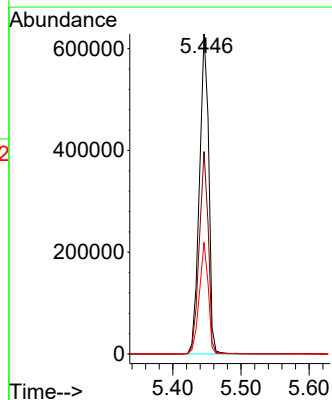
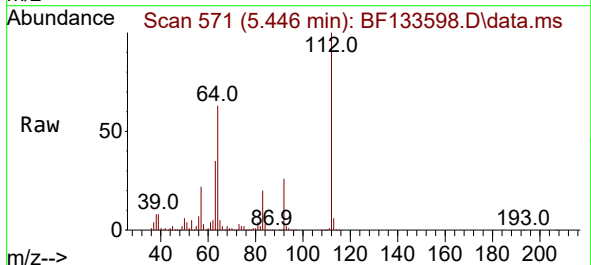
Instrument :
BNA_F
ClientSampleId :
SB05A

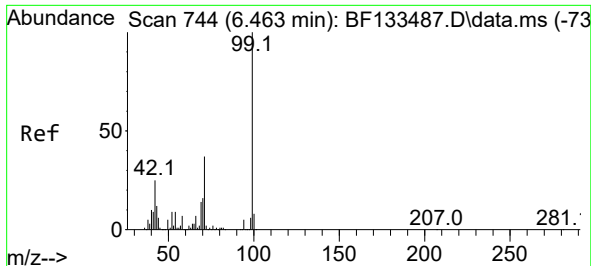
Tgt Ion:152 Resp: 133719
Ion Ratio Lower Upper
152 100
150 160.4 124.9 187.3
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 74.548 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:112 Resp: 597468
Ion Ratio Lower Upper
112 100
64 63.2 50.1 75.1
63 34.9 27.5 41.3

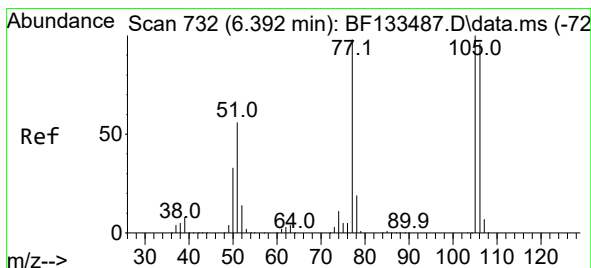
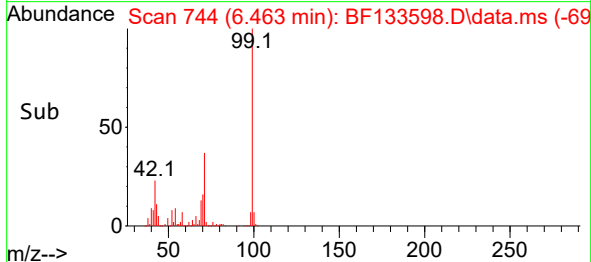
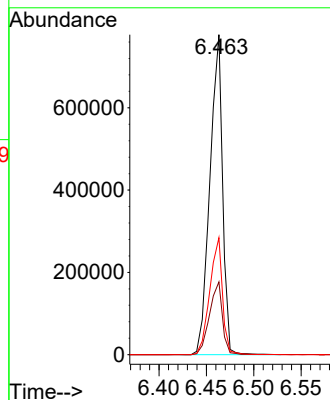
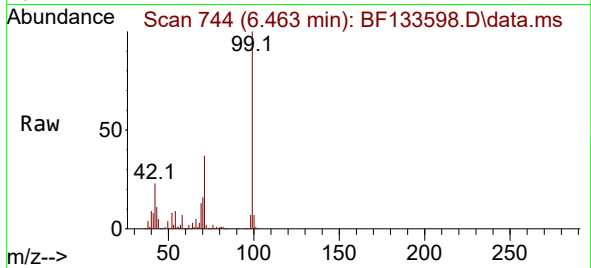




#7
Phenol-d6
Concen: 73.327 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

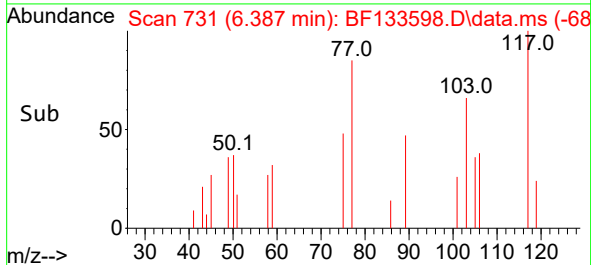
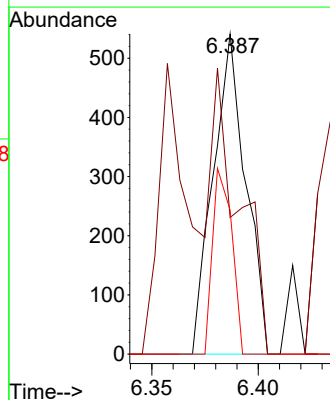
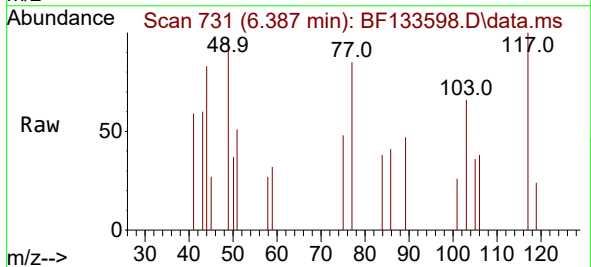
Instrument :
BNA_F
ClientSampleId :
SB05A

Tgt Ion: 99 Resp: 723435
Ion Ratio Lower Upper
99 100
42 22.8 19.7 29.5
71 36.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion: 77 Resp: 576
Ion Ratio Lower Upper
77 100
105 42.7 81.9 121.9#
106 44.9 77.8 117.8#

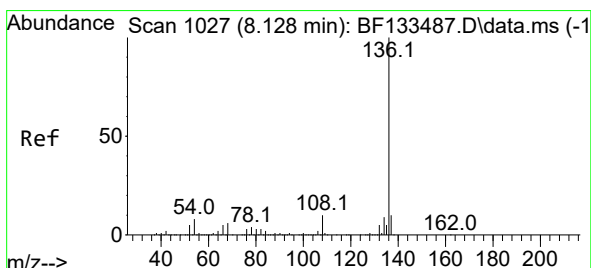
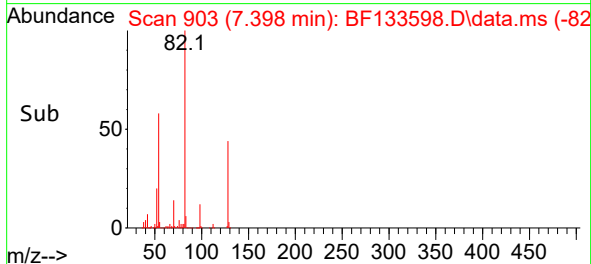
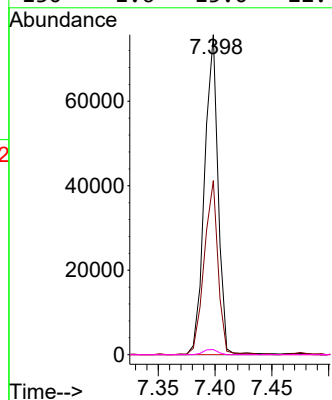
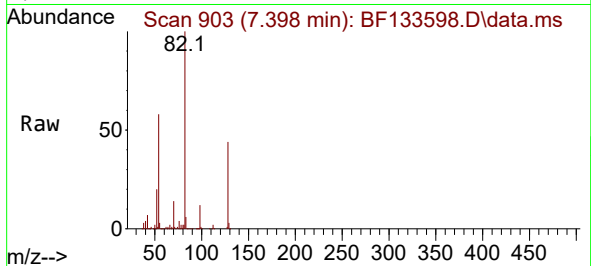




#19
n-Nitroso-di-n-propylamine
Concen: 9.855 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

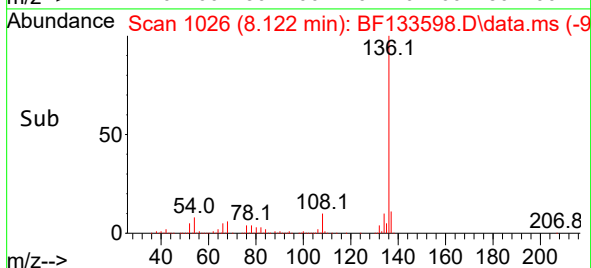
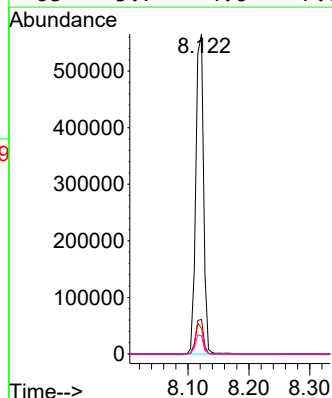
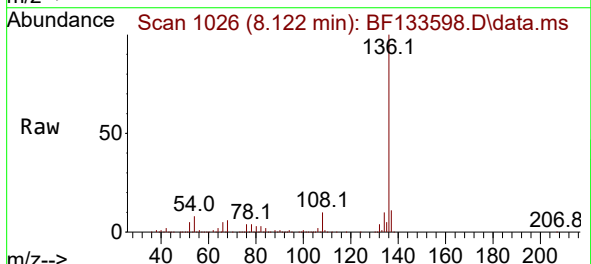
Instrument :
BNA_F
ClientSampleId :
SB05A

Tgt Ion: 70 Resp: 62909
Ion Ratio Lower Upper
70 100
42 54.4 57.2 85.8#
101 0.0 7.3 10.9#
130 1.6 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion: 136 Resp: 499161
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.1 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 60.979 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

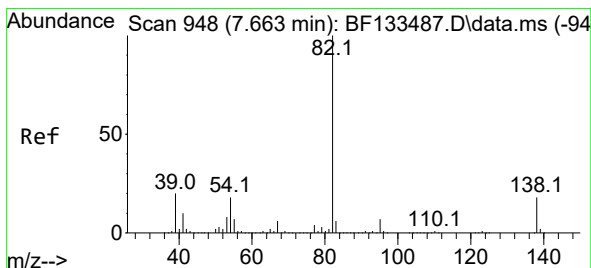
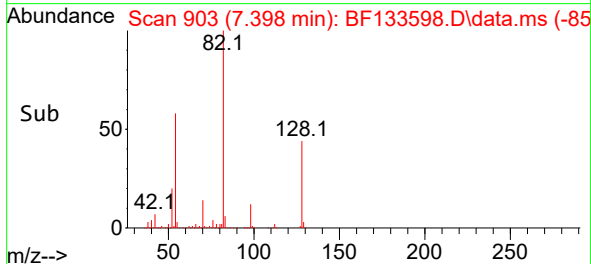
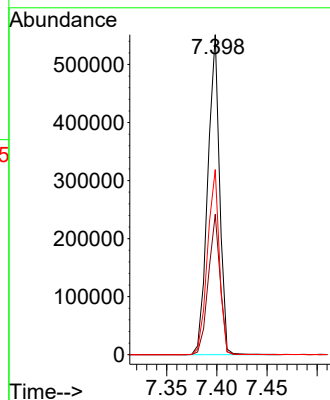
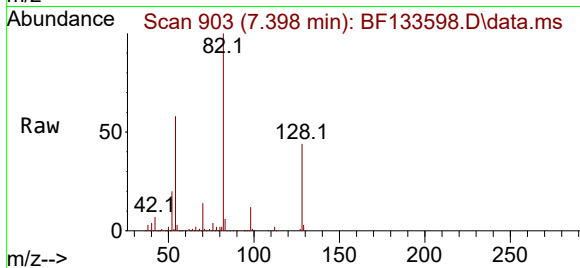
Tgt Ion: 82 Resp: 455880

Ion Ratio Lower Upper

82 100

128 43.9 34.2 51.4

54 57.8 48.2 72.4



#25

Isophorone

Concen: 26.164 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

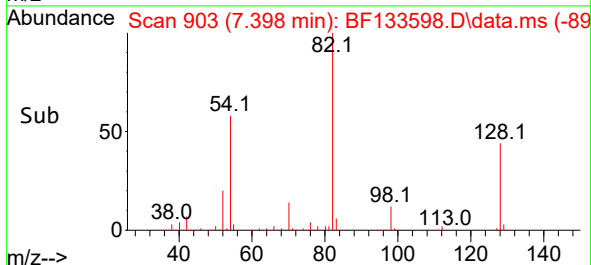
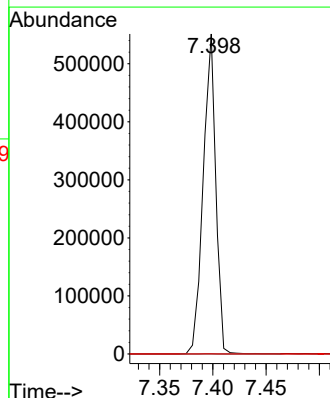
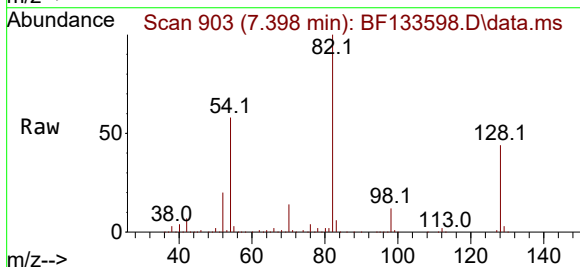
Tgt Ion: 82 Resp: 455875

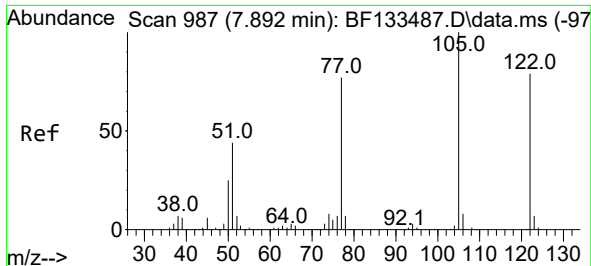
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

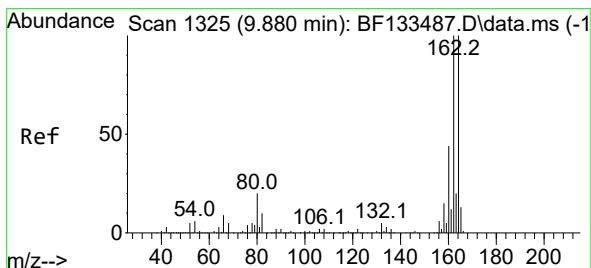
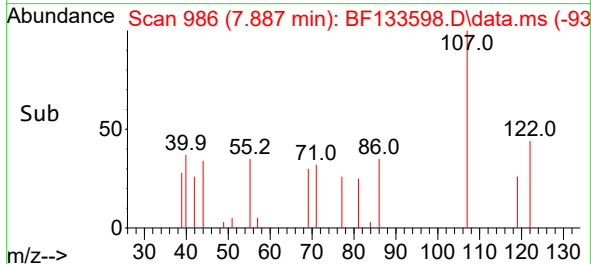
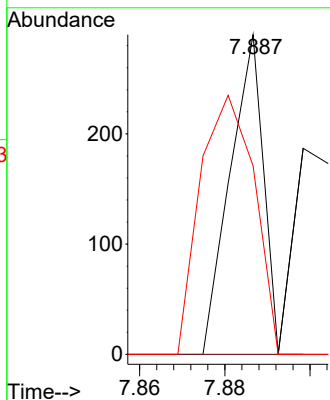
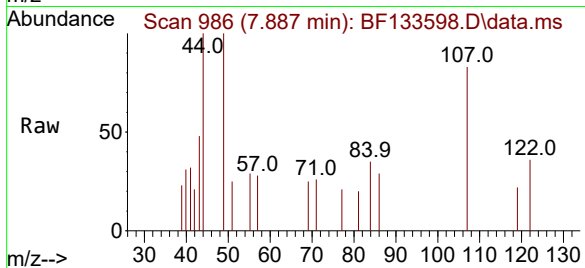




#32
Benzoic acid
Concen: 7.376 ng
RT: 7.887 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

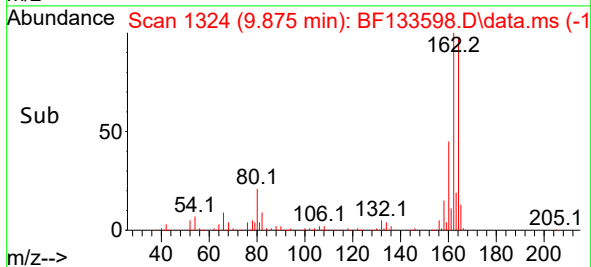
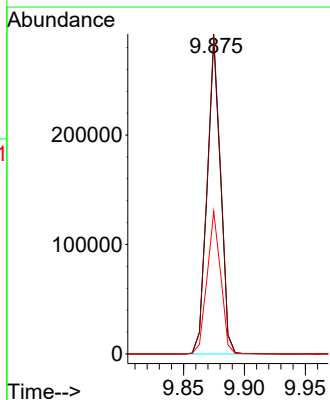
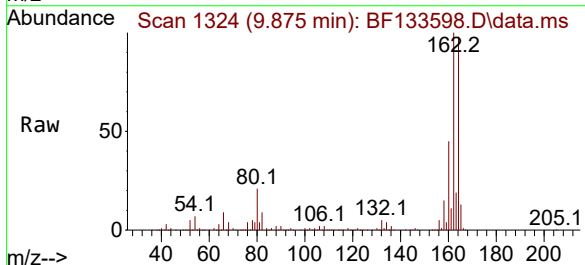
Instrument :
BNA_F
ClientSampleId :
SB05A

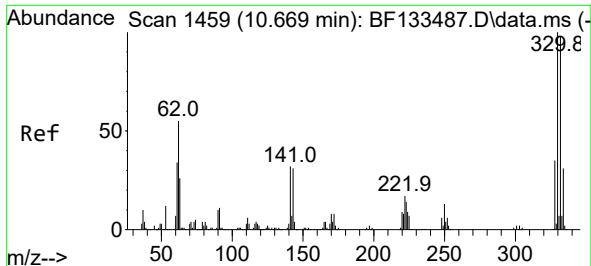
Tgt Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 59.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:164 Resp: 220324
Ion Ratio Lower Upper
164 100
162 101.9 79.7 119.5
160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 76.096 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

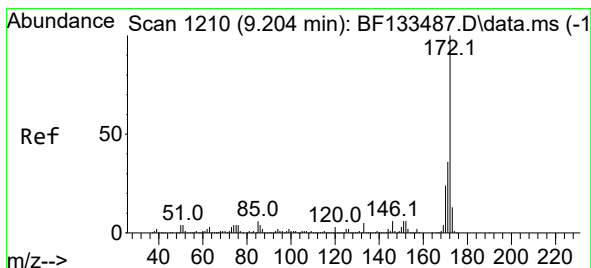
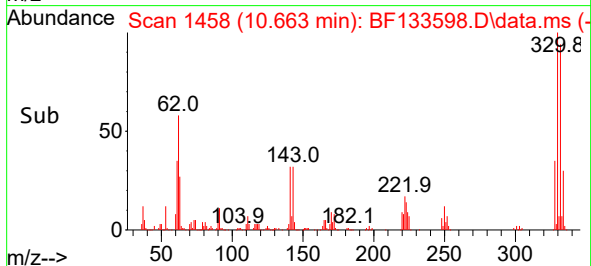
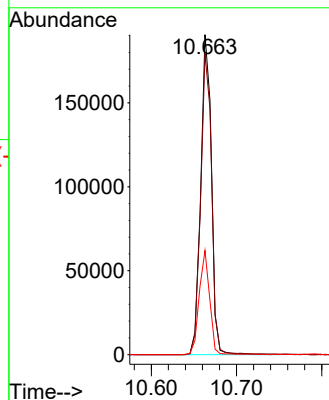
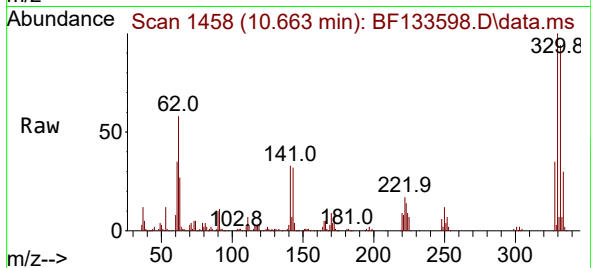
Tgt Ion:330 Resp: 167123

Ion Ratio Lower Upper

330 100

332 95.3 77.8 116.6

141 31.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 59.182 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

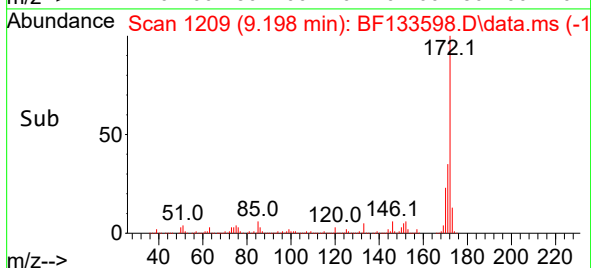
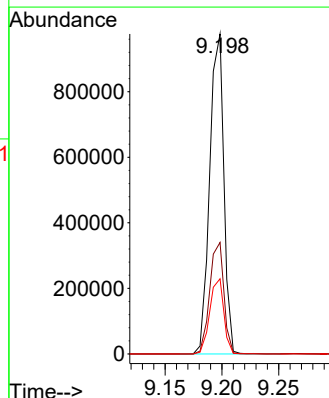
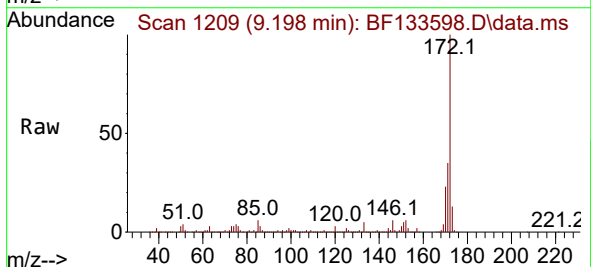
Tgt Ion:172 Resp: 844820

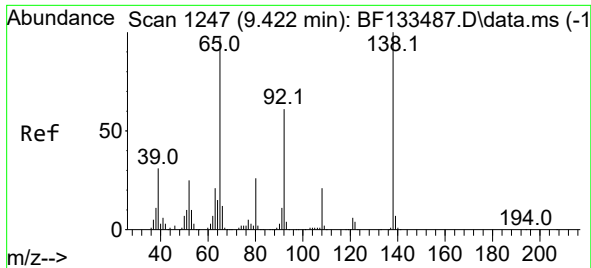
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.5 19.3 28.9

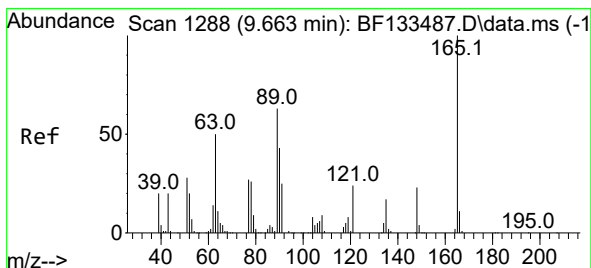
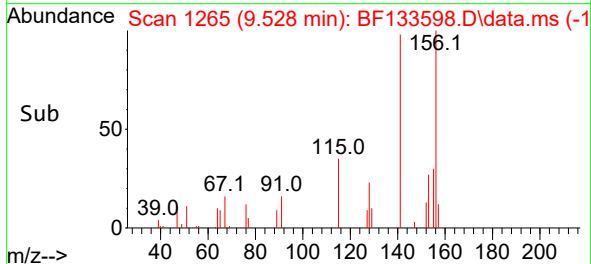
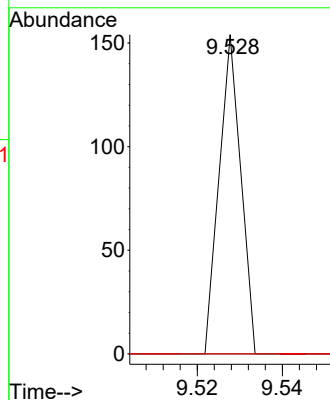
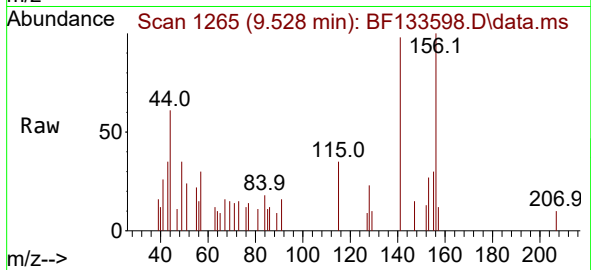




#48
2-Nitroaniline
Concen: 4.003 ng
RT: 9.528 min Scan# 11
Delta R.T. 0.112 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

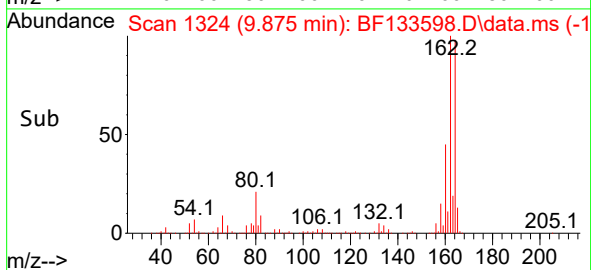
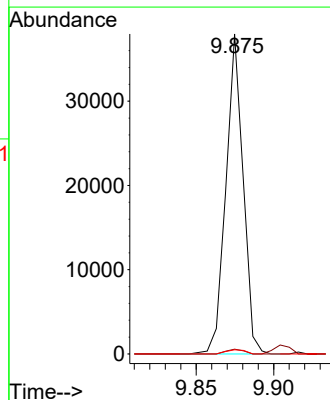
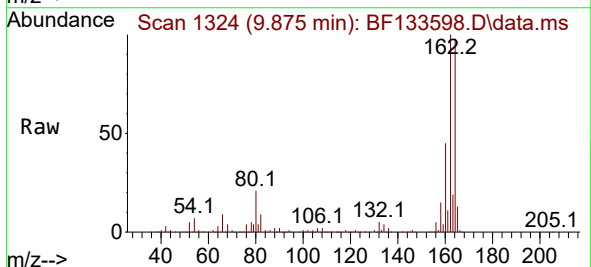
Instrument :
BNA_F
ClientSampleId :
SB05A

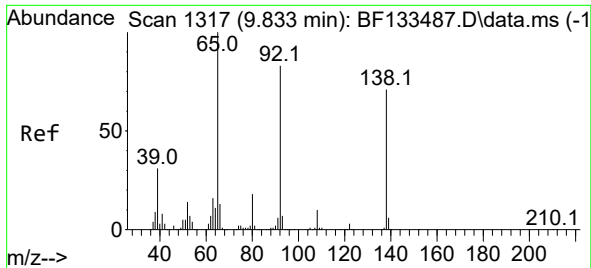
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.860 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion: 165 Resp: 29267
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.3 50.8 76.2#

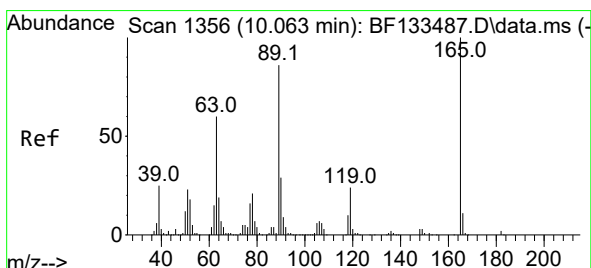
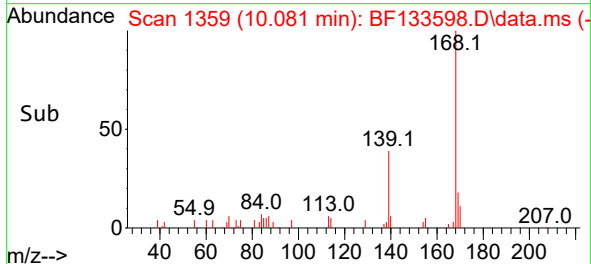
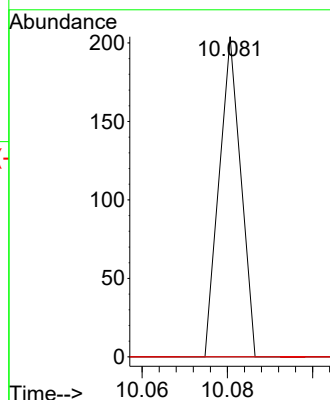
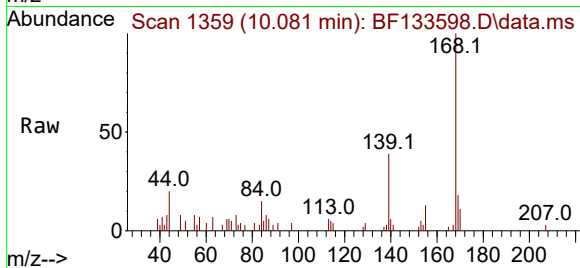




#53
3-Nitroaniline
Concen: 3.198 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

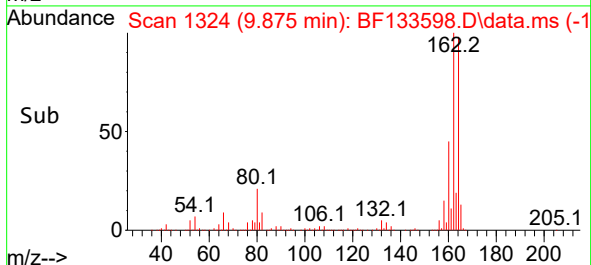
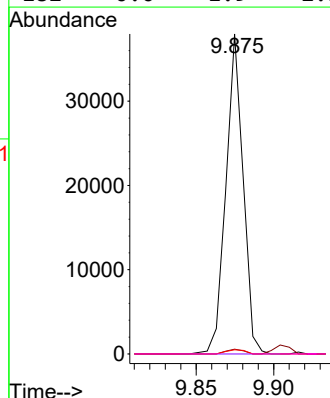
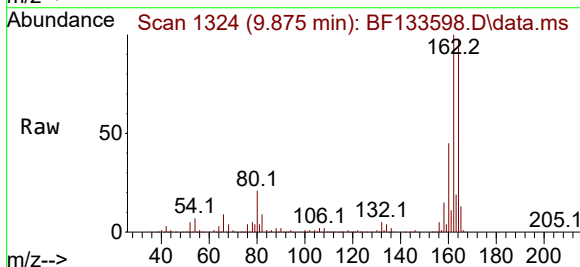
Instrument :
BNA_F
ClientSampleId :
SB05A

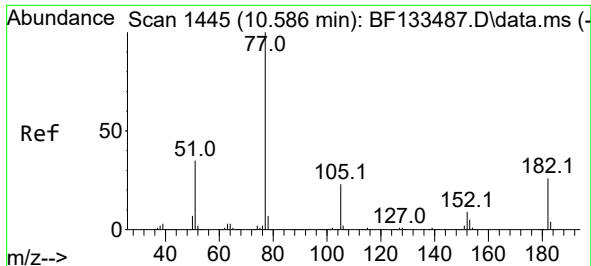
Tgt Ion:138 Resp: 72
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.963 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:165 Resp: 29267
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#

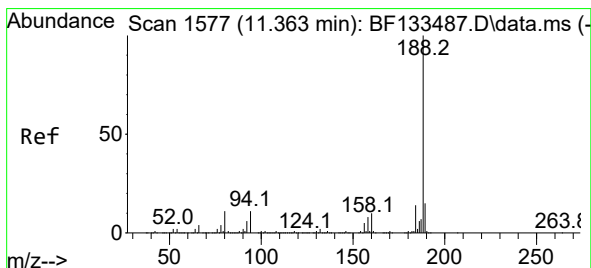
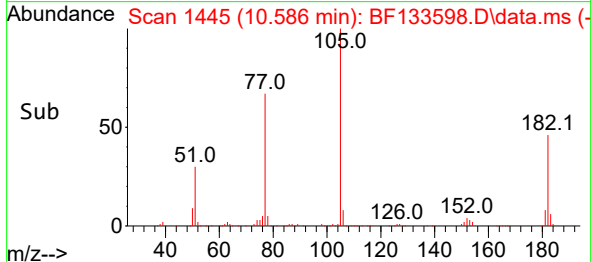
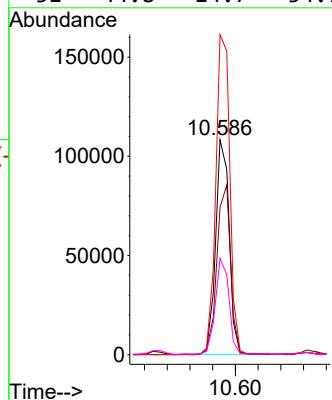
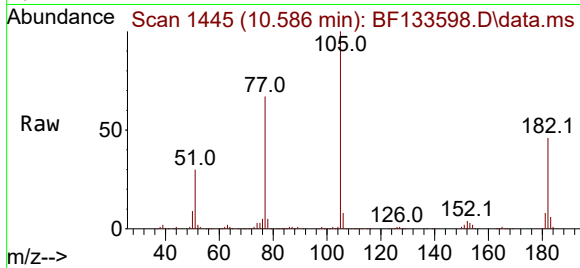




#63
Azobenzene
Concen: 5.557 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

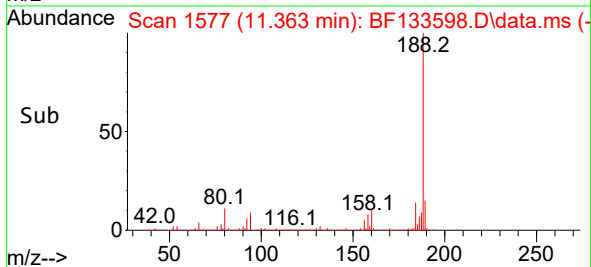
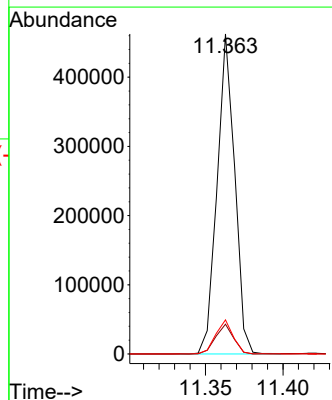
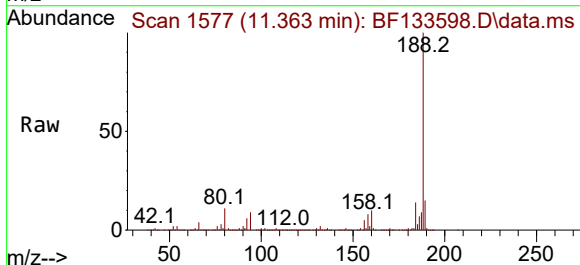
Instrument :
BNA_F
ClientSampleId :
SB05A

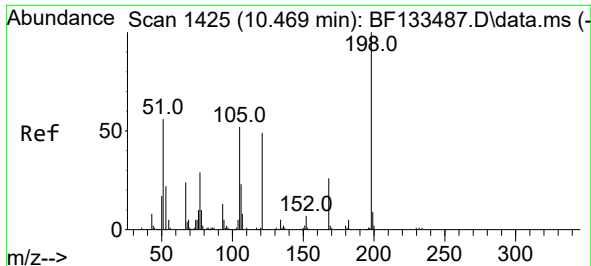
Tgt Ion: 77 Resp: 89414
Ion Ratio Lower Upper
77 100
182 68.6 5.6 45.6#
105 149.0 2.6 42.6#
51 44.8 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion: 188 Resp: 365235
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 10.7 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.893 ng

RT: 10.669 min Scan# 14

Delta R.T. 0.194 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

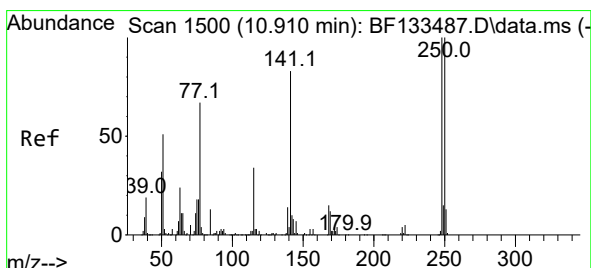
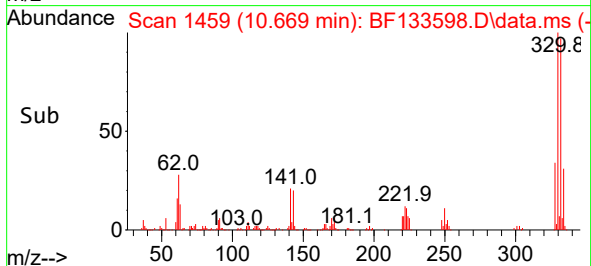
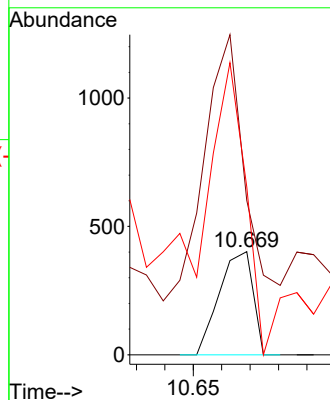
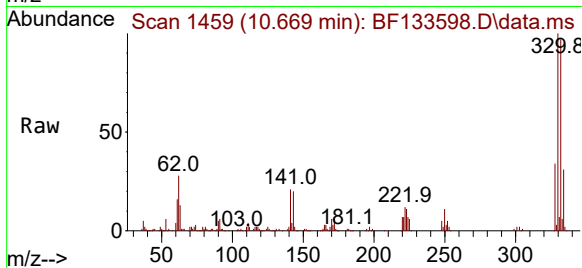
Tgt Ion:198 Resp: 331

Ion Ratio Lower Upper

198 100

51 149.5 53.6 93.6#

105 162.7 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.589 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

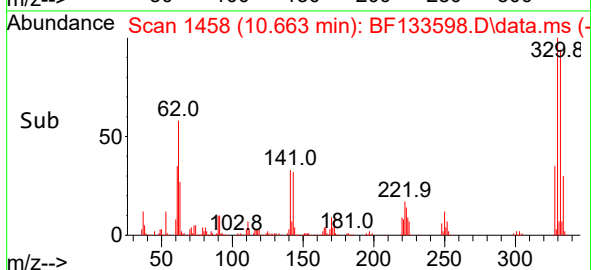
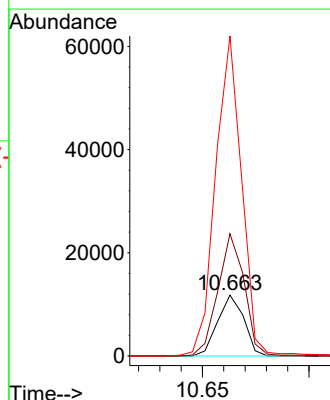
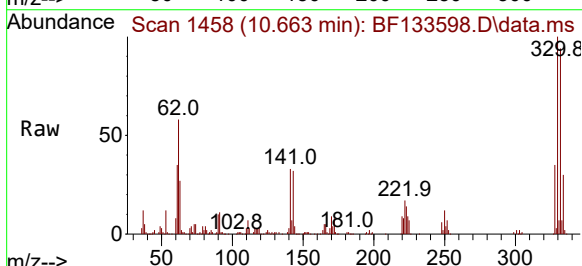
Tgt Ion:248 Resp: 10043

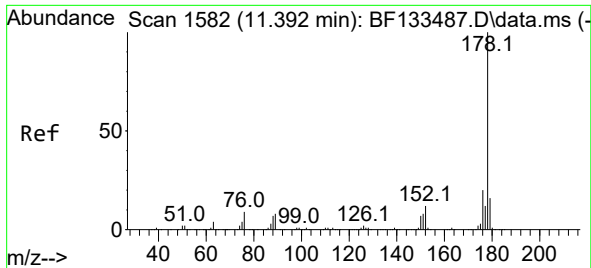
Ion Ratio Lower Upper

248 100

250 201.0 79.7 119.5#

141 526.0 66.6 100.0#

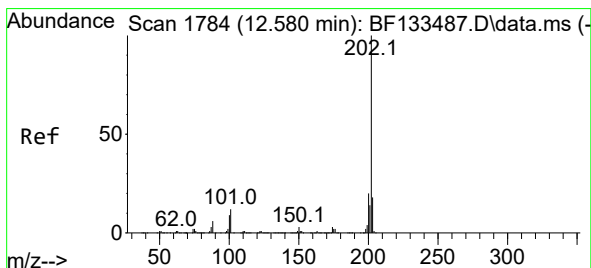
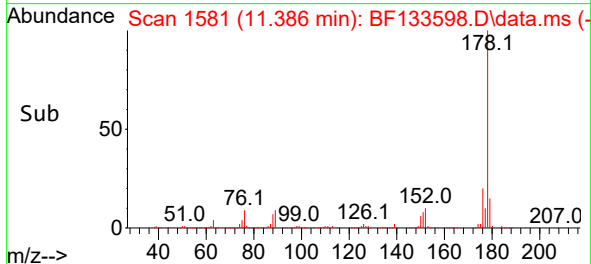
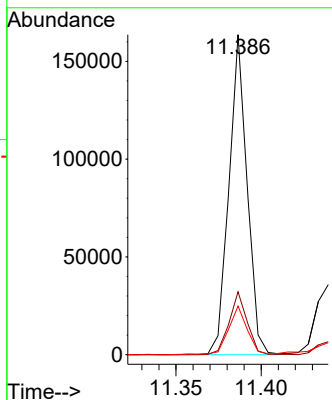
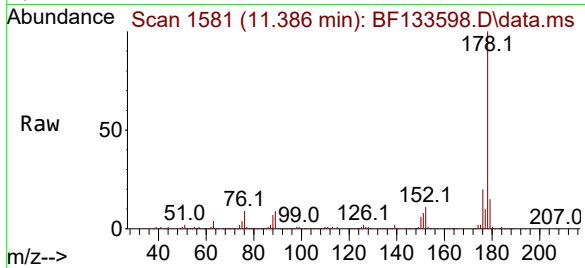




#71
Phenanthrene
Concen: 6.574 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

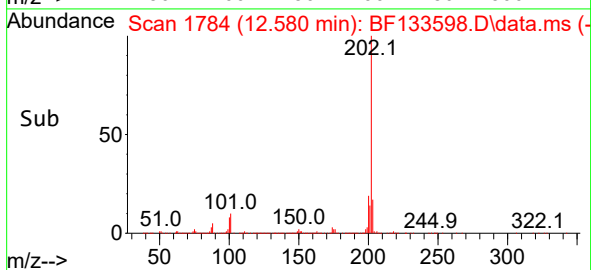
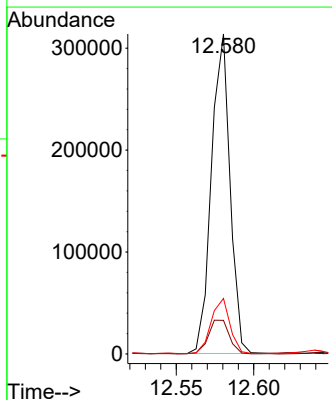
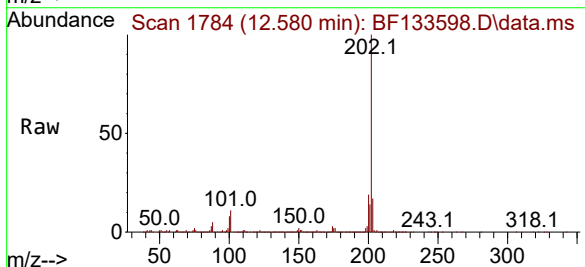
Instrument :
BNA_F
ClientSampleId :
SB05A

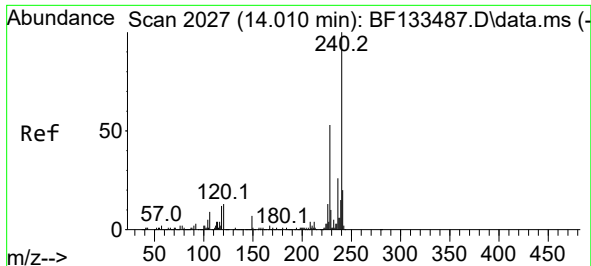
Tgt Ion:178 Resp: 121615
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.2 12.4 18.6



#75
Fluoranthene
Concen: 12.812 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:202 Resp: 261791
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.2
203 17.3 0.0 37.8

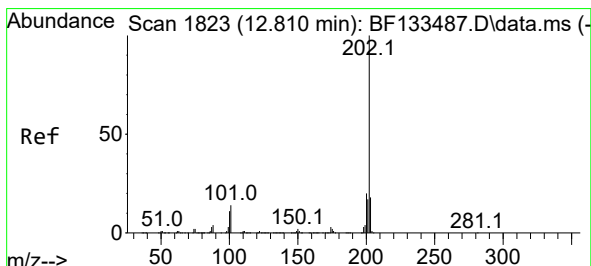
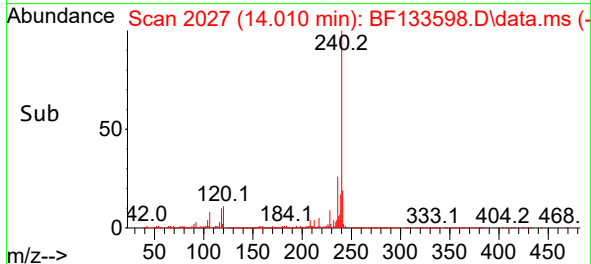
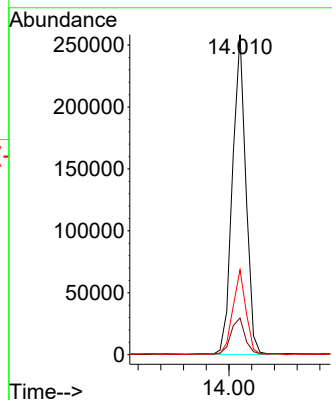
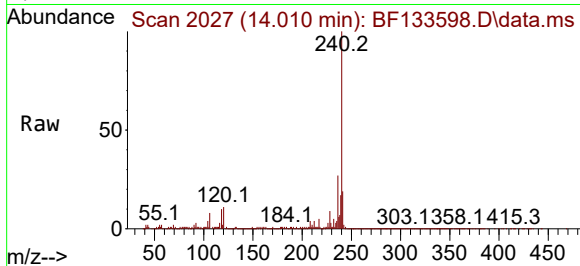




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

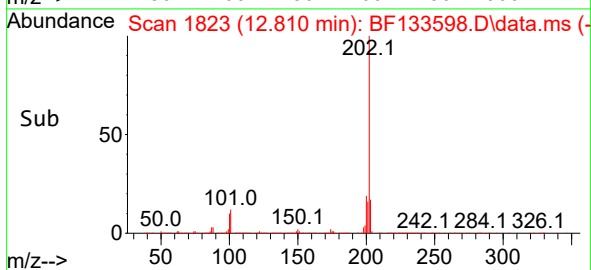
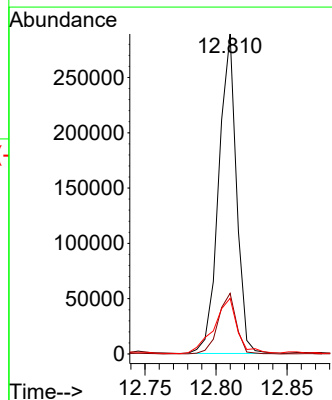
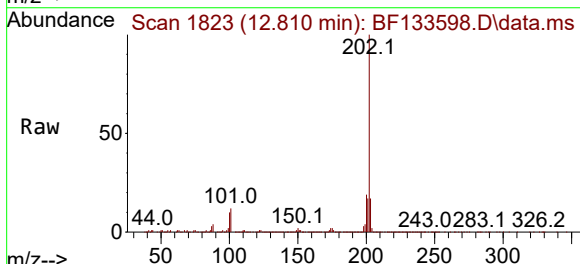
Instrument :
BNA_F
ClientSampleId :
SB05A

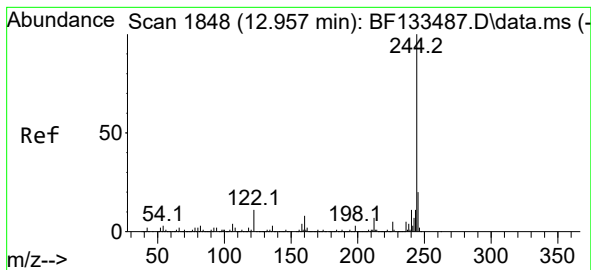
Tgt Ion:240 Resp: 211206
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 26.5 20.5 30.7



#78
Pyrene
Concen: 13.930 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:202 Resp: 250352
Ion Ratio Lower Upper
202 100
200 19.0 16.3 24.5
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 58.959 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

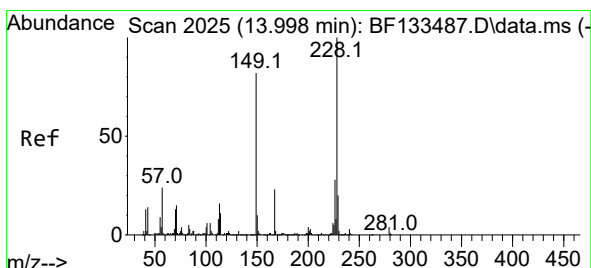
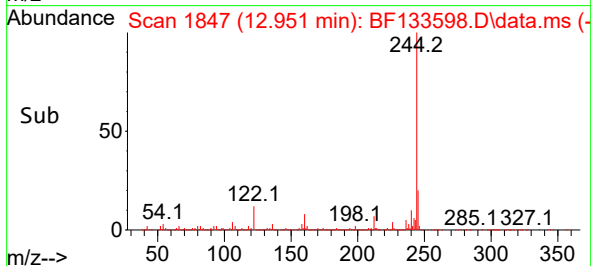
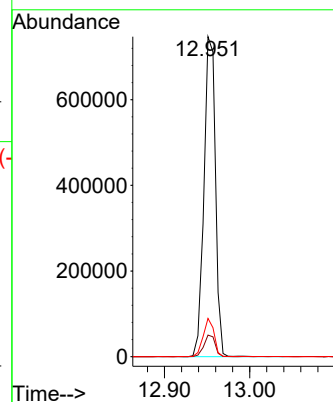
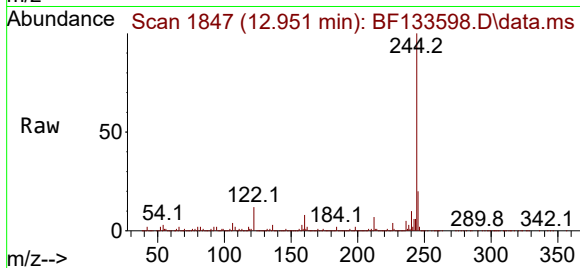
Tgt Ion:244 Resp: 700377

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 12.0 8.5 12.7



#81

Benzo(a)anthracene

Concen: 9.414 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

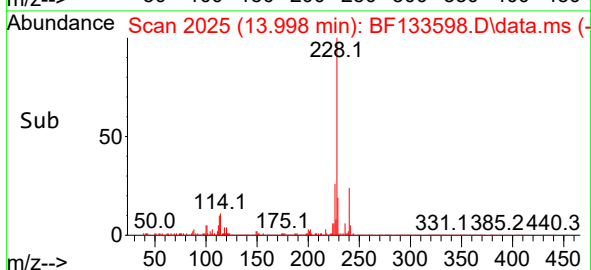
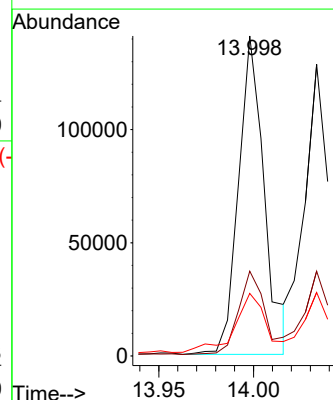
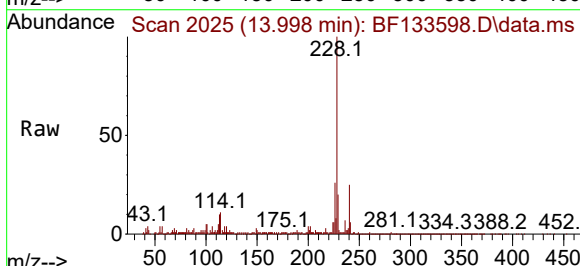
Tgt Ion:228 Resp: 132452

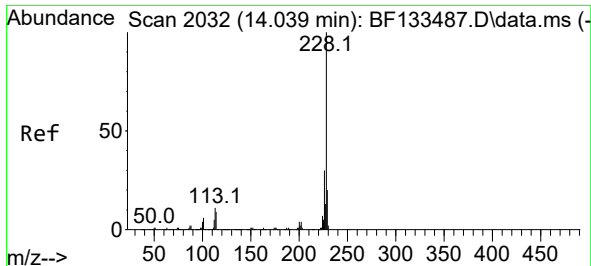
Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

229 19.6 16.1 24.1

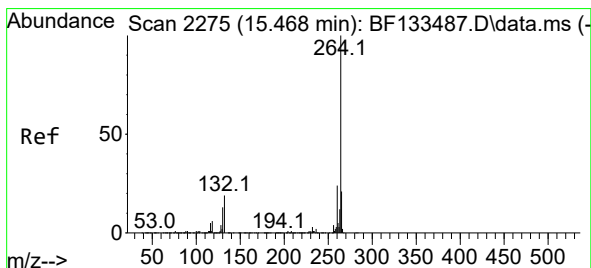
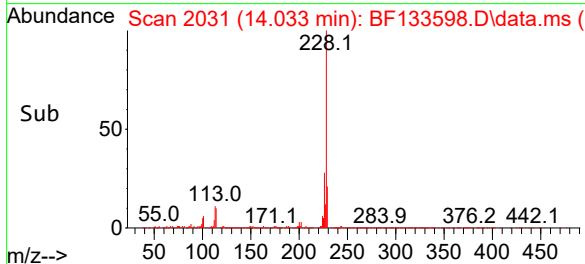
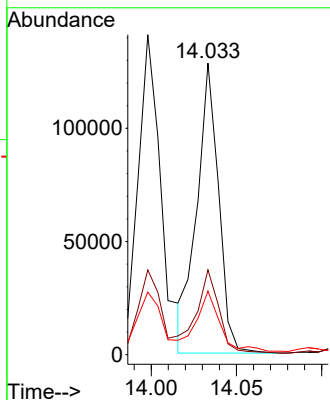
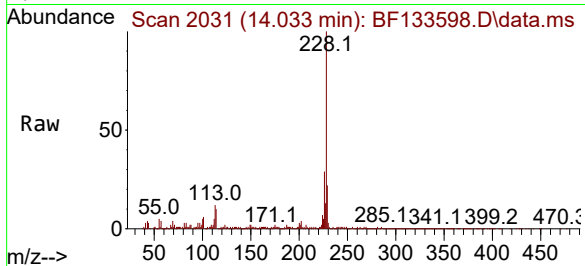




#83
Chrysene
Concen: 8.017 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

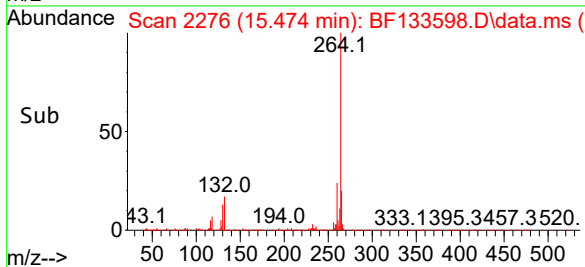
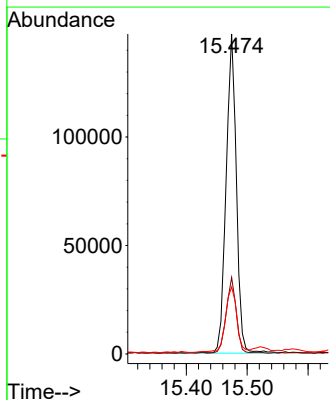
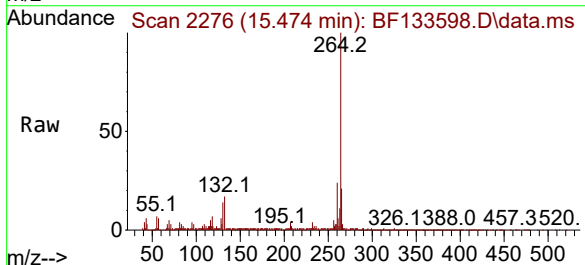
Instrument :
BNA_F
ClientSampleId :
SB05A

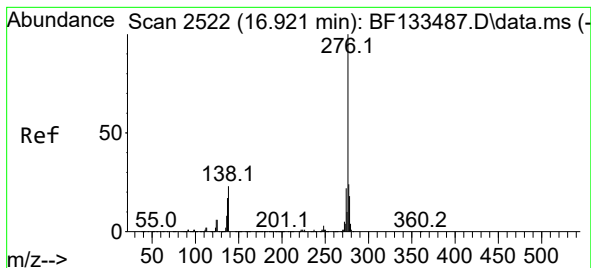
Tgt Ion:228 Resp: 113867
Ion Ratio Lower Upper
228 100
226 29.1 24.1 36.1
229 21.8 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Tgt Ion:264 Resp: 172811
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 20.9 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.225 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

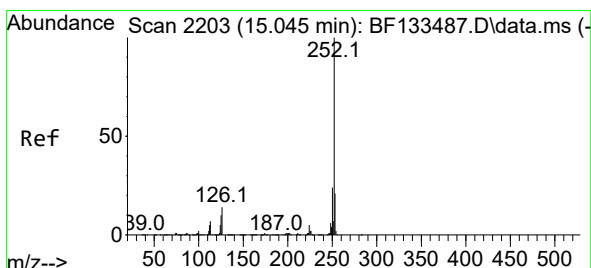
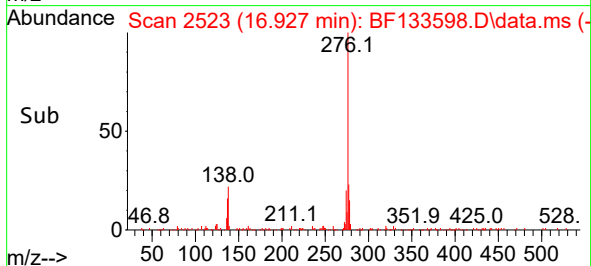
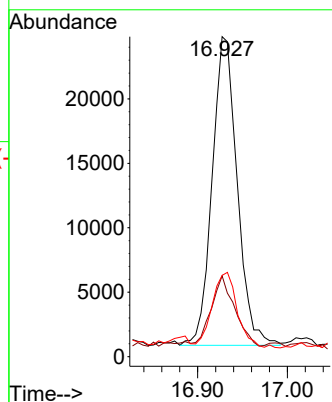
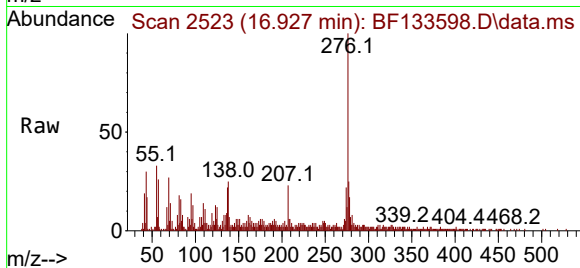
Tgt Ion:276 Resp: 46508

Ion Ratio Lower Upper

276 100

138 21.4 21.4 32.2#

277 23.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 13.848 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

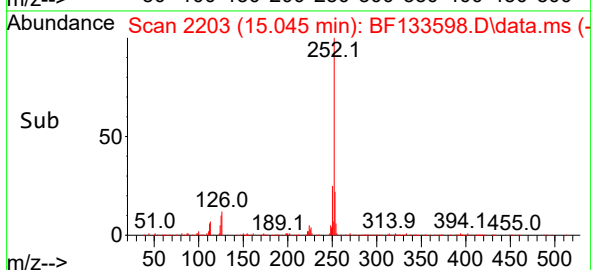
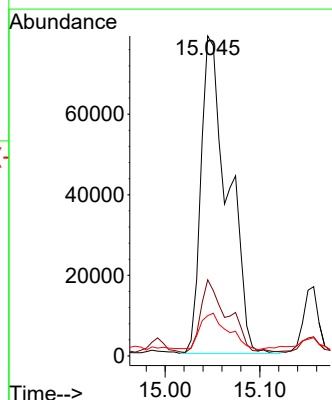
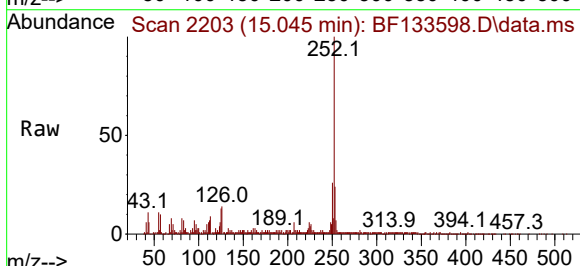
Tgt Ion:252 Resp: 155832

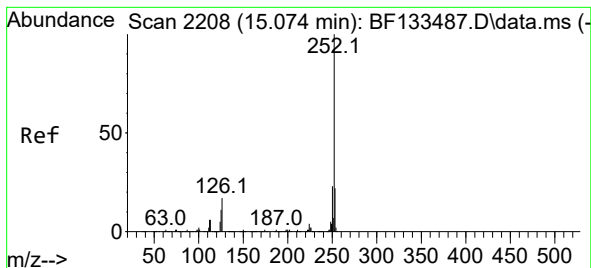
Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 12.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 14.202 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

Instrument :

BNA_F

ClientSampleId :

SB05A

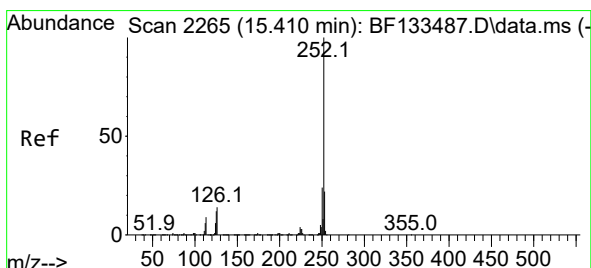
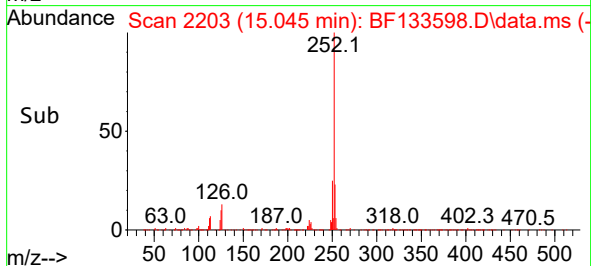
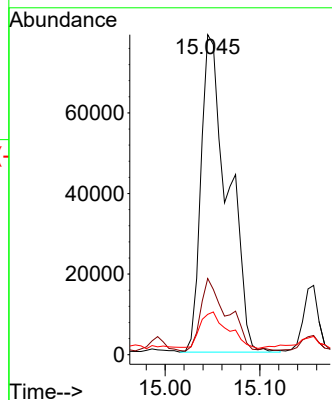
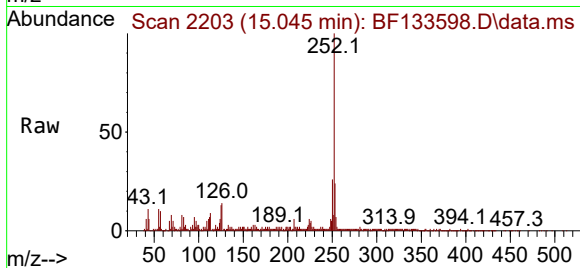
Tgt Ion:252 Resp: 155832

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 12.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 8.301 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF133598.D

Acq: 06 Jun 2023 18:44

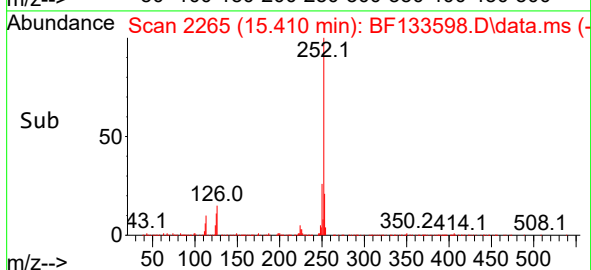
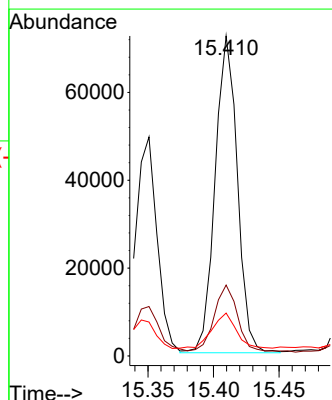
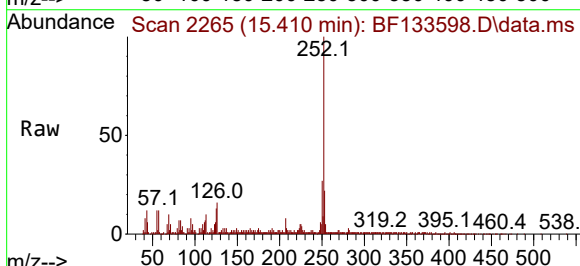
Tgt Ion:252 Resp: 84998

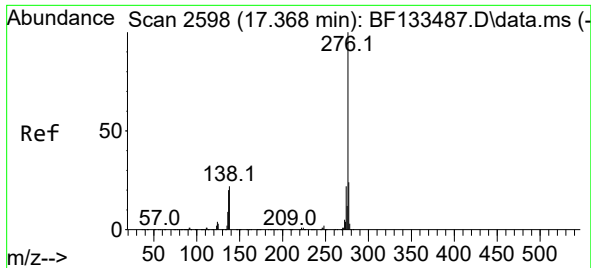
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

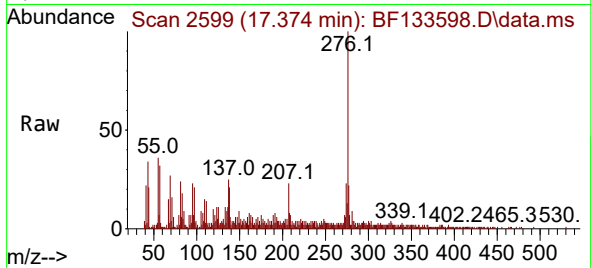
125 13.4 9.4 14.0





#92
Benzo(g,h,i)perylene
Concen: 5.218 ng
RT: 17.374 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133598.D
Acq: 06 Jun 2023 18:44

Instrument :
BNA_F
ClientSampleId :
SB05A



Tgt Ion:	276	Resp:	46957
Ion Ratio	Lower	Upper	
276	100		
277	21.7	18.8	28.2
138	20.5	17.8	26.6

