

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133596.D
 Acq On : 06 Jun 2023 17:38
 Operator : CG\JU
 Sample : 02983-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC07

Quant Time: Jun 06 18:02:39 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)

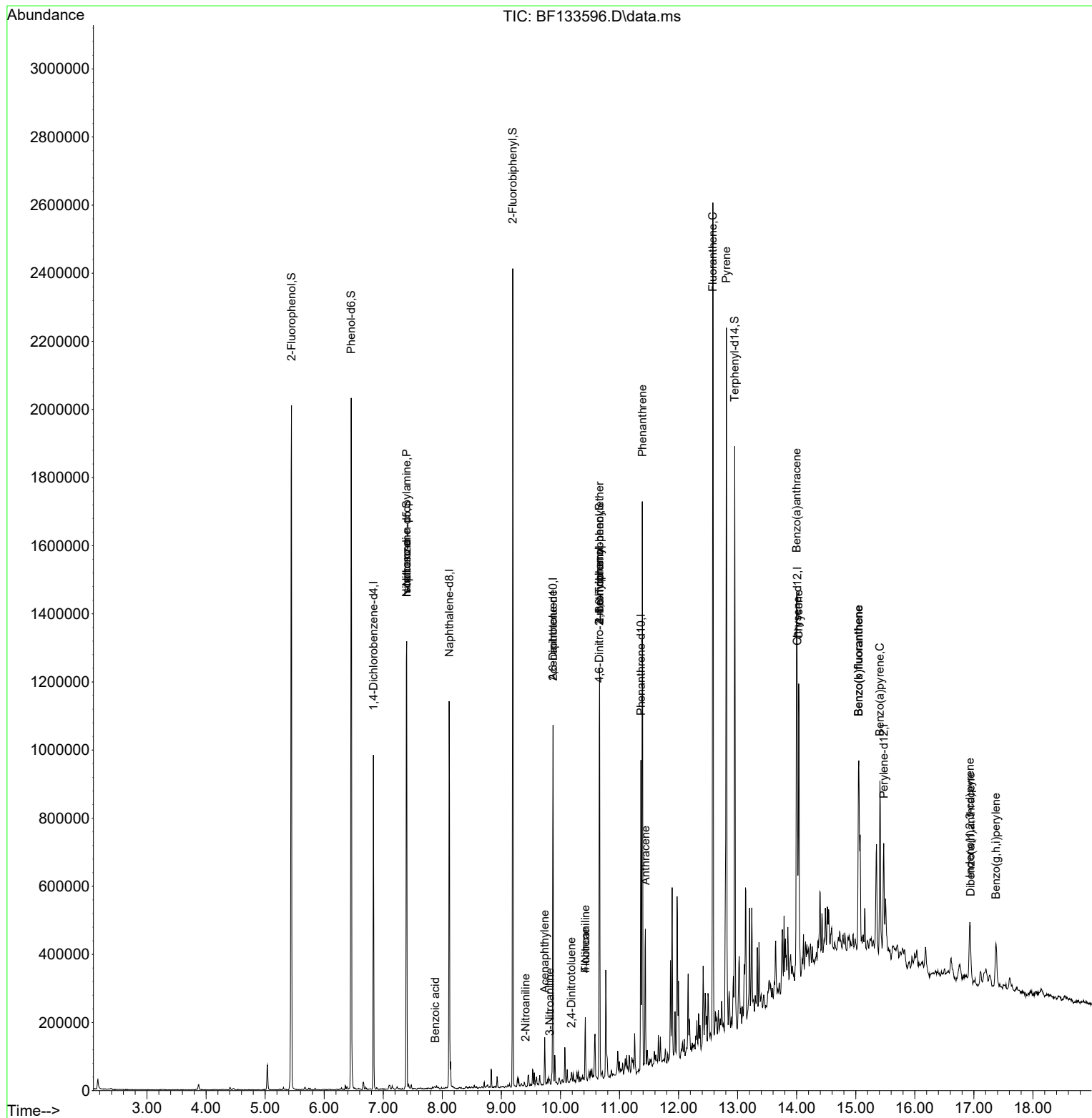
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	124945	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	456277	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	189424	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	315563	20.000	ng	0.00
76) Chrysene-d12	14.010	240	166363	20.000	ng	0.00
86) Perylene-d12	15.474	264	139467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	527808	70.481	ng	0.00
7) Phenol-d6	6.457	99	635548	68.942	ng	0.00
23) Nitrobenzene-d5	7.398	82	387310	56.676	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	131446	69.614	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	670993	54.673	ng	0.00
79) Terphenyl-d14	12.951	244	536874	57.378	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	1358	Below Cal		99
19) n-Nitroso-di-n-propyla...	7.398	70	52546	8.810 ng	#	75
25) Isophorone	7.398	82	387306	24.318 ng	#	65
32) Benzoic acid	7.881	122	142	7.376 ng	#	1
48) 2-Nitroaniline	9.410	65	241	4.052 ng	#	6
49) Acenaphthylene	9.733	152	51254	2.693 ng		99
51) 2,6-Dinitrotoluene	9.875	165	26513	13.353 ng	#	19
53) 3-Nitroaniline	9.816	138	56	3.196 ng	#	1
57) 2,4-Dinitrotoluene	10.186	165	1183	5.085 ng	#	59
58) Fluorene	10.422	166	49964	3.976 ng		98
62) 4-Nitroaniline	10.422	138	585	3.156 ng	#	42
65) 4,6-Dinitro-2-methylph...	10.657	198	345	8.930 ng	#	1
67) 4-Bromophenyl-phenylether	10.663	248	7926	2.365 ng	#	1
71) Phenanthrene	11.386	178	574985	35.975 ng		100
72) Anthracene	11.439	178	154490	9.392 ng		97
75) Fluoranthene	12.580	202	976159	55.293 ng		100
78) Pyrene	12.810	202	878685	62.068 ng		99
81) Benzo(a)anthracene	13.998	228	411054	37.090 ng		98
83) Chrysene	14.033	228	347189	31.032 ng		97
87) Indeno(1,2,3-cd)pyrene	16.933	276	131556	14.808 ng		93
88) Benzo(b)fluoranthene	15.051	252	443368	48.820 ng	#	95
89) Benzo(k)fluoranthene	15.051	252	443368	50.068 ng		96
90) Benzo(a)pyrene	15.410	252	234791	28.412 ng		98
91) Dibenzo(a,h)anthracene	16.945	278	34237	4.753 ng	#	86
92) Benzo(g,h,i)perylene	17.374	276	123038	16.941 ng		99

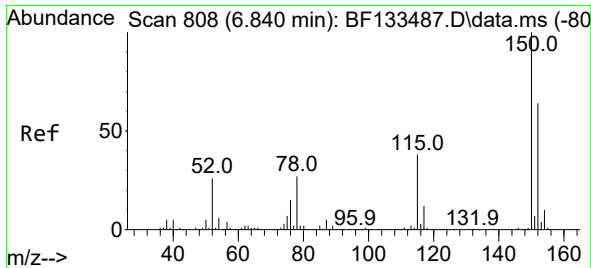
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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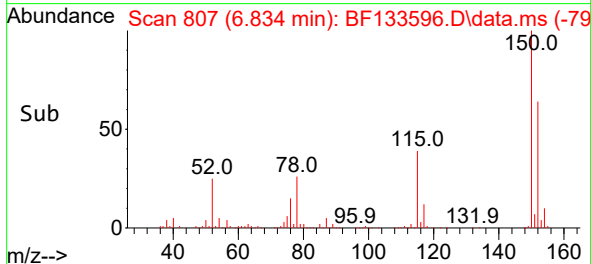
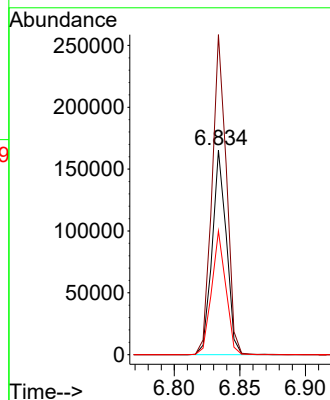
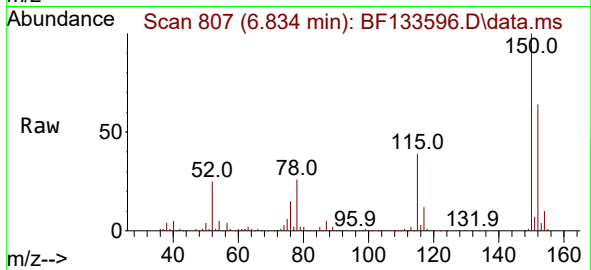




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

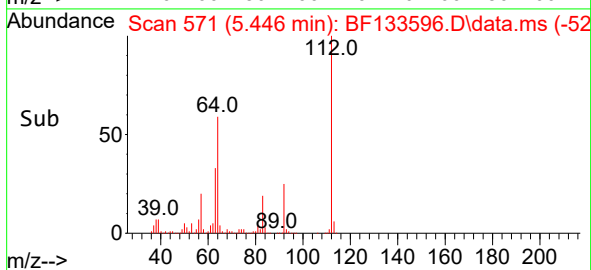
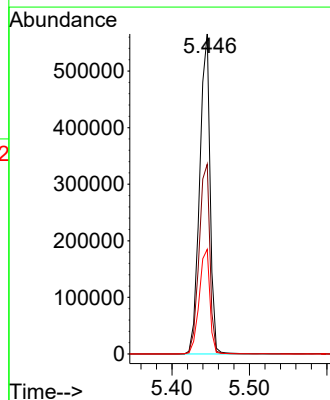
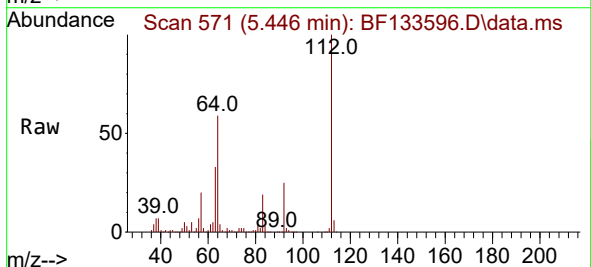
Instrument :
BNA_F
ClientSampleId :
WC07

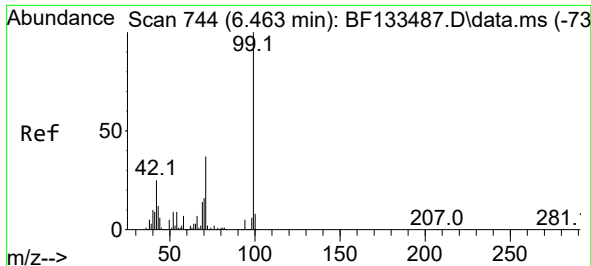
Tgt Ion:152 Resp: 124945
Ion Ratio Lower Upper
152 100
150 156.5 124.9 187.3
115 60.5 48.1 72.1



#5
2-Fluorophenol
Concen: 70.481 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:112 Resp: 527808
Ion Ratio Lower Upper
112 100
64 59.3 50.1 75.1
63 32.7 27.5 41.3

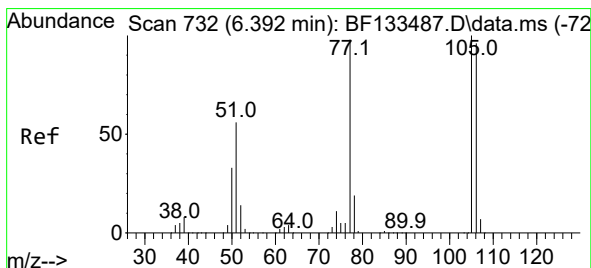
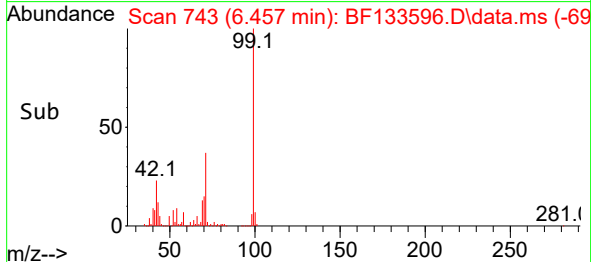
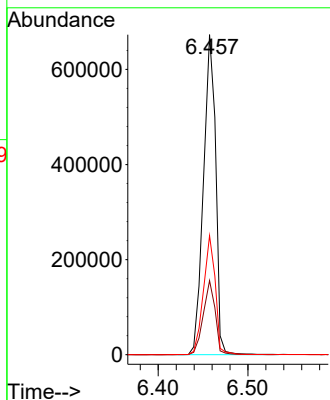
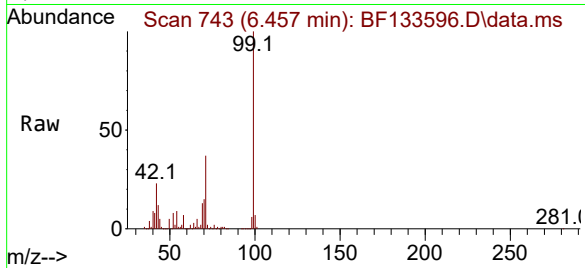




#7
Phenol-d6
Concen: 68.942 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

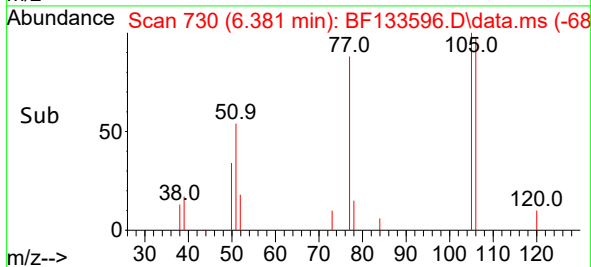
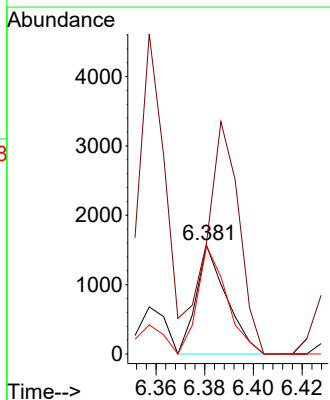
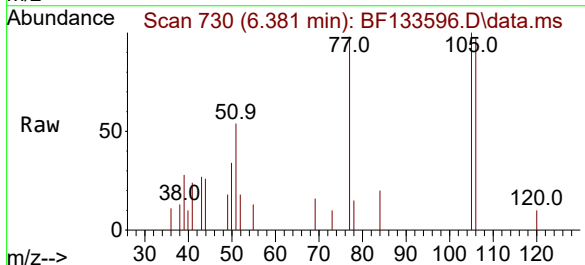
Instrument :
BNA_F
ClientSampleId :
WC07

Tgt Ion: 99 Resp: 635548
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 37.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion: 77 Resp: 1358
Ion Ratio Lower Upper
77 100
105 102.2 81.9 121.9
106 99.6 77.8 117.8





#19

n-Nitroso-di-n-propylamine

Concen: 8.810 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

Tgt Ion: 70 Resp: 52546

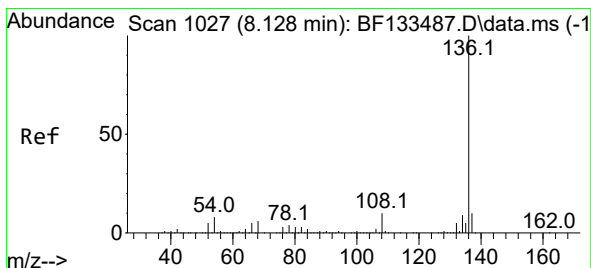
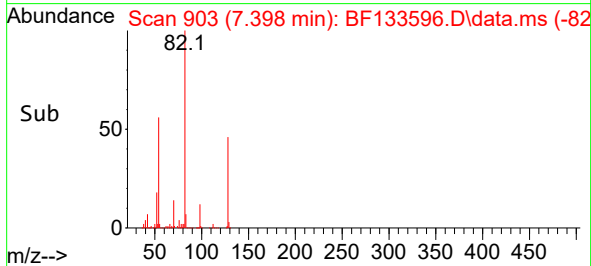
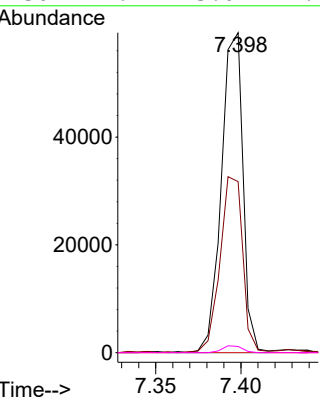
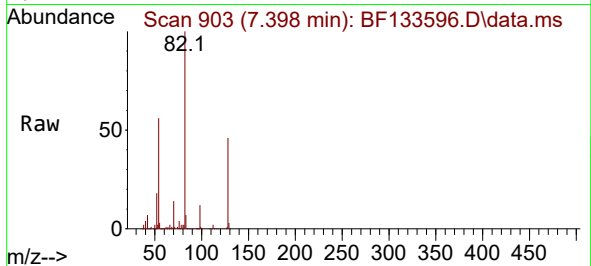
Ion Ratio Lower Upper

70 100

42 53.4 57.2 85.8#

101 0.0 7.3 10.9#

130 1.9 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Tgt Ion:136 Resp: 456277

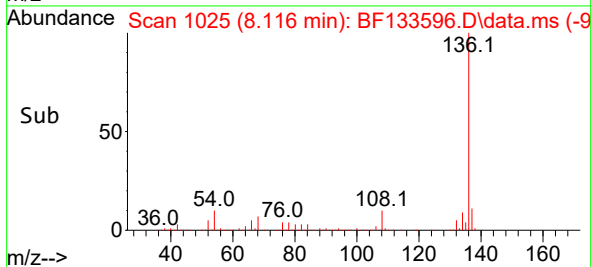
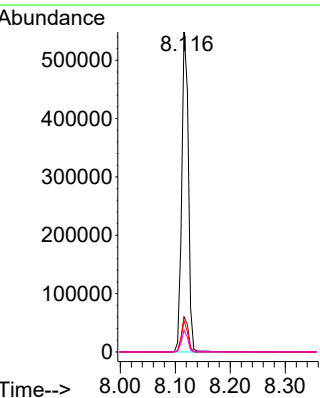
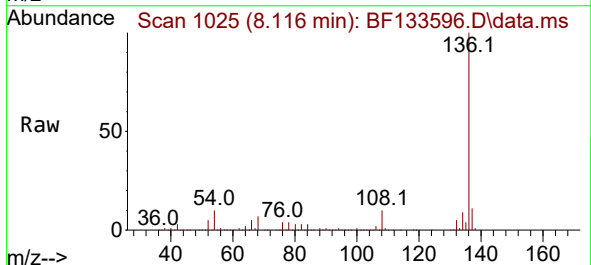
Ion Ratio Lower Upper

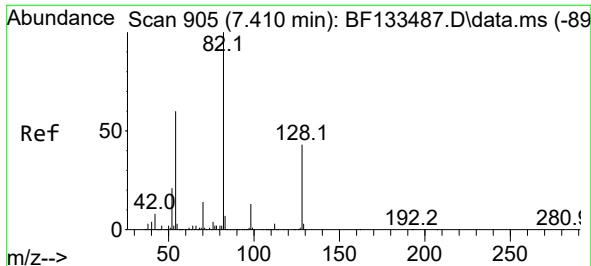
136 100

137 11.0 8.2 12.4

54 9.7 6.6 10.0

68 6.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 56.676 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

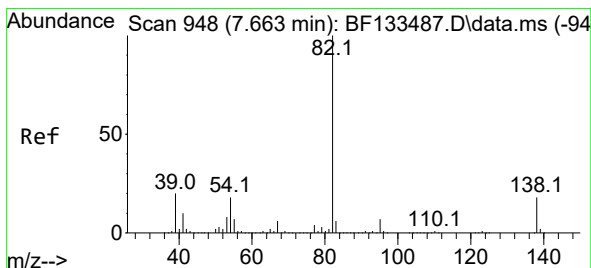
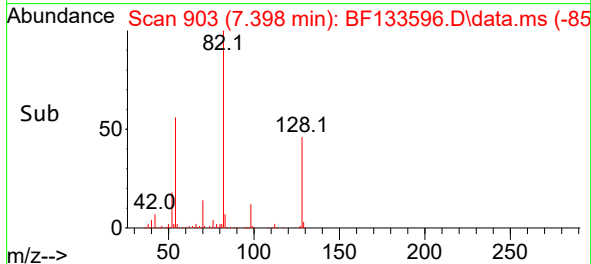
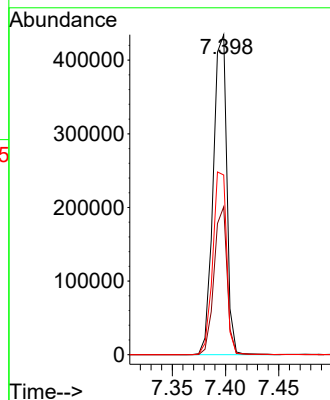
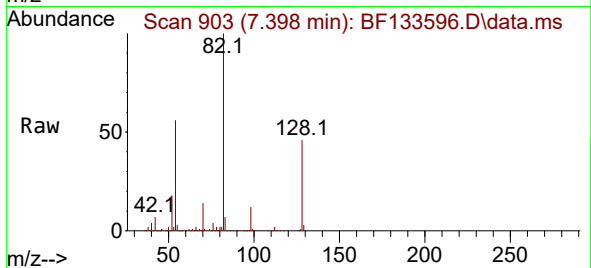
Tgt Ion: 82 Resp: 387310

Ion Ratio Lower Upper

82 100

128 46.2 34.2 51.4

54 56.2 48.2 72.4



#25

Isophorone

Concen: 24.318 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

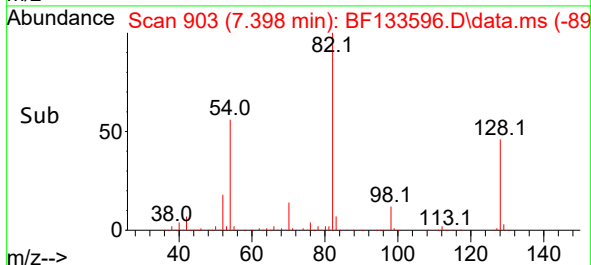
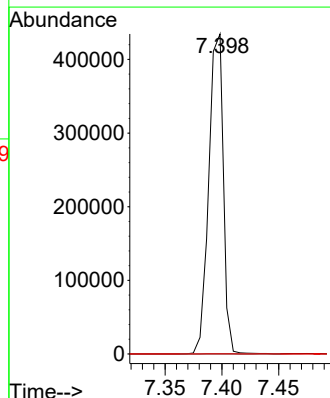
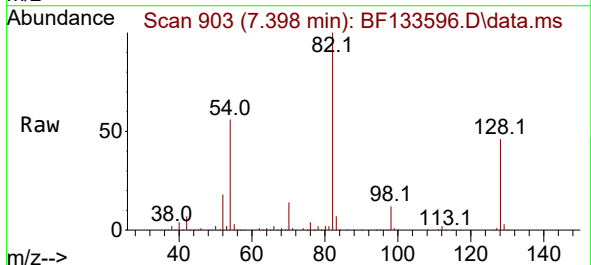
Tgt Ion: 82 Resp: 387306

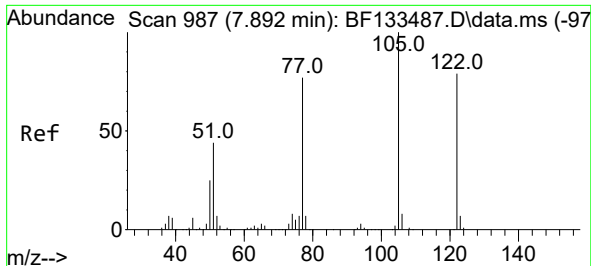
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

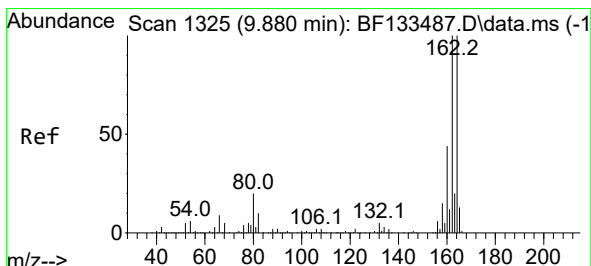
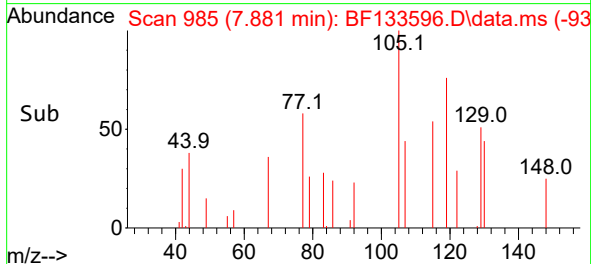
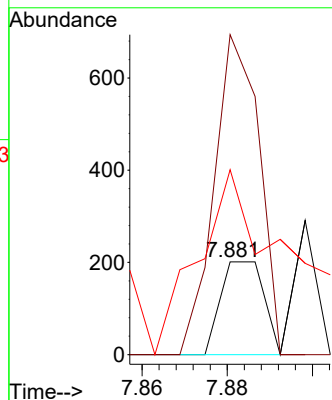
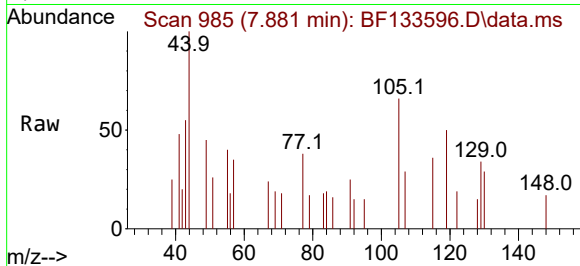




#32
Benzoic acid
Concen: 7.376 ng
RT: 7.881 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

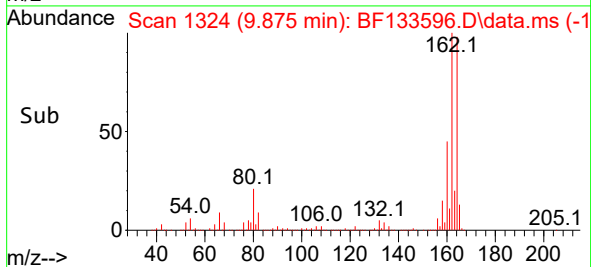
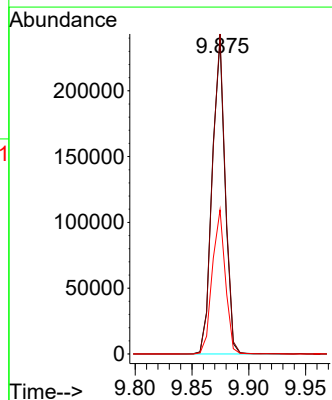
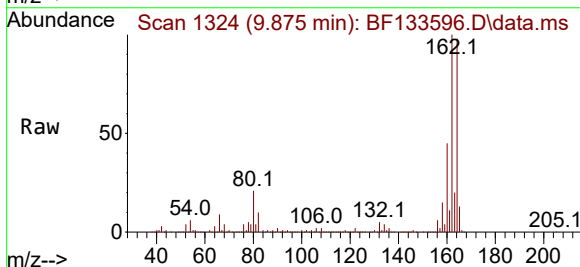
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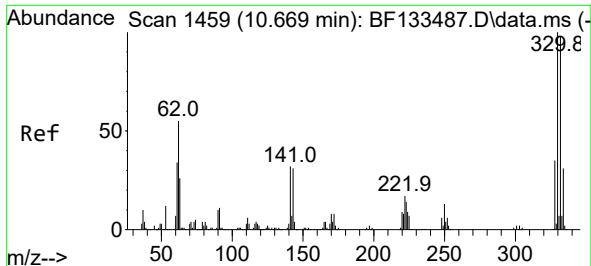
Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 345.3 103.3 143.3#
77 199.5 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:164 Resp: 189424
Ion Ratio Lower Upper
164 100
162 102.0 79.7 119.5
160 45.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 69.614 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

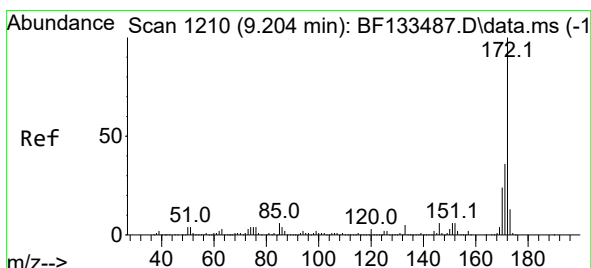
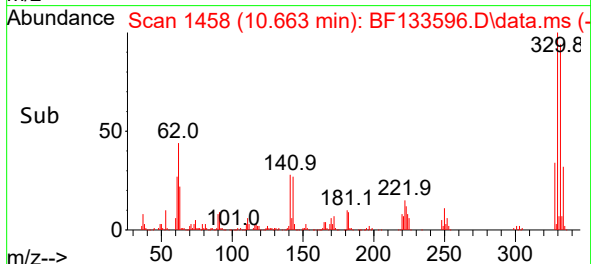
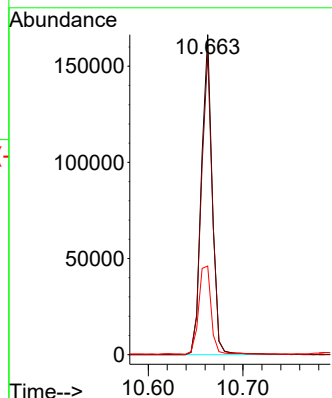
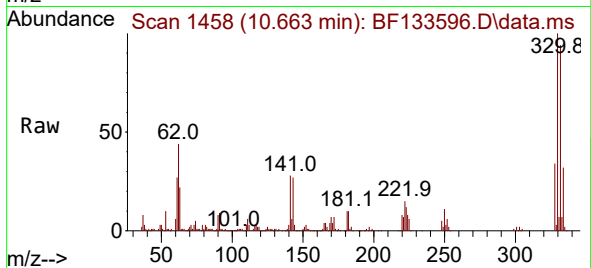
Tgt Ion:330 Resp: 131446

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

141 31.8 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 54.673 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

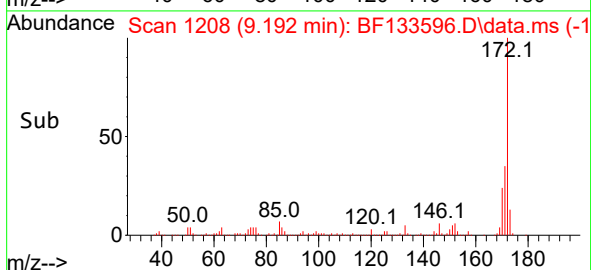
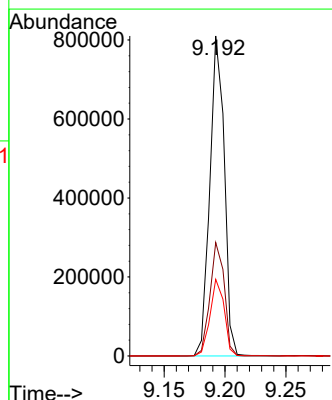
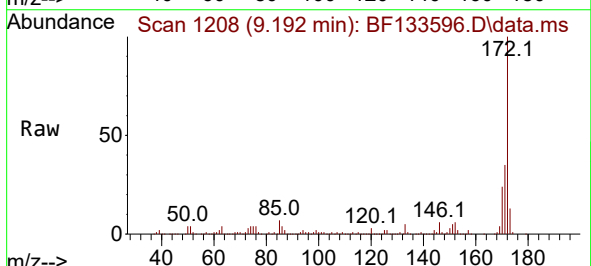
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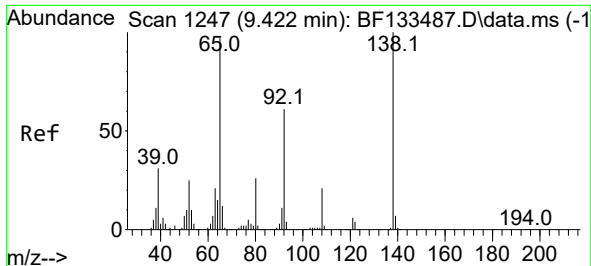
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 24.0 19.3 28.9

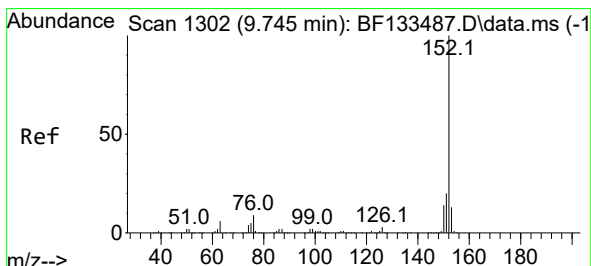
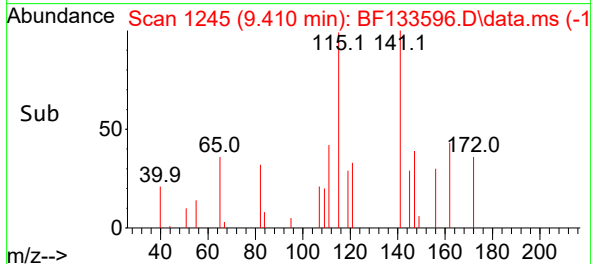
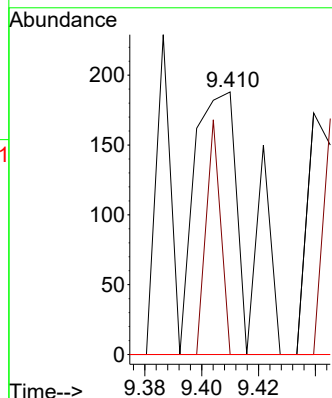
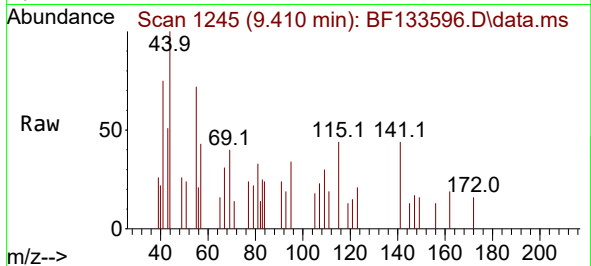




#48
2-Nitroaniline
Concen: 4.052 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

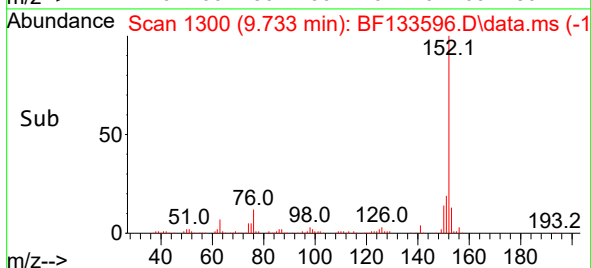
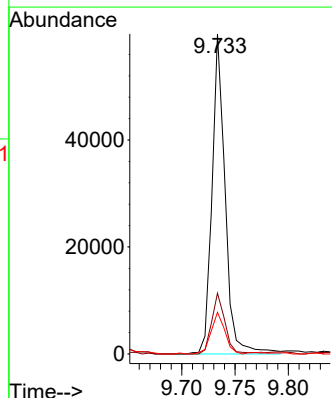
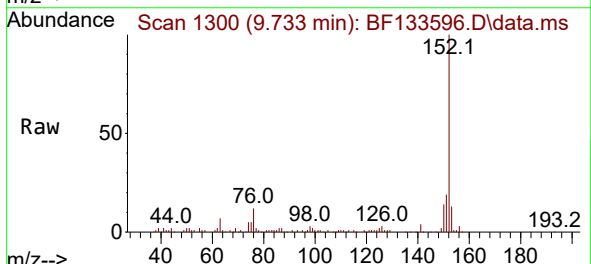
Instrument :
BNA_F
ClientSampleId :
WC07

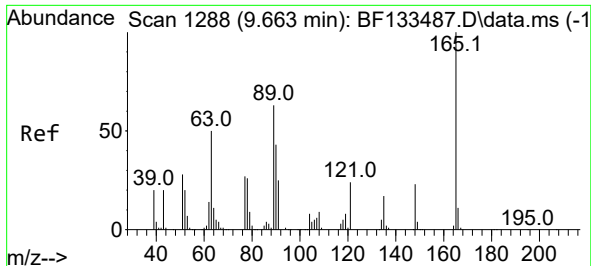
Tgt Ion: 65 Resp: 241
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#49
Acenaphthylene
Concen: 2.693 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion: 152 Resp: 51254
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 13.0 10.4 15.6

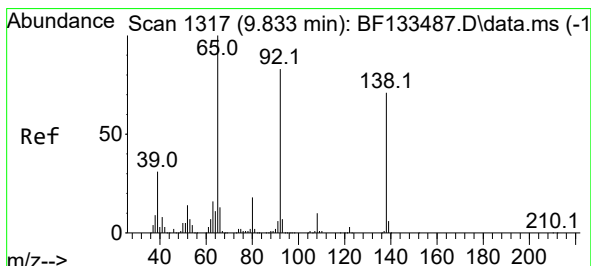
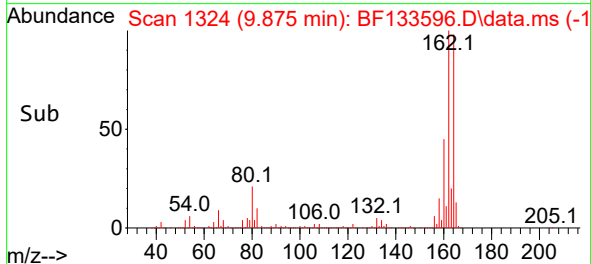
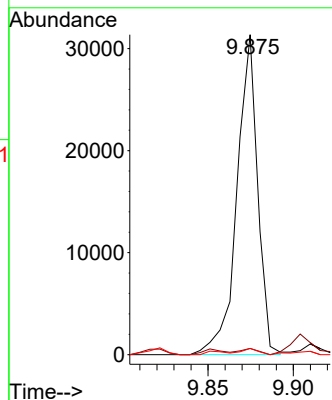
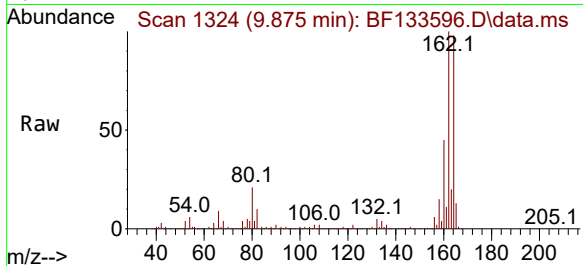




#51
2,6-Dinitrotoluene
Concen: 13.353 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

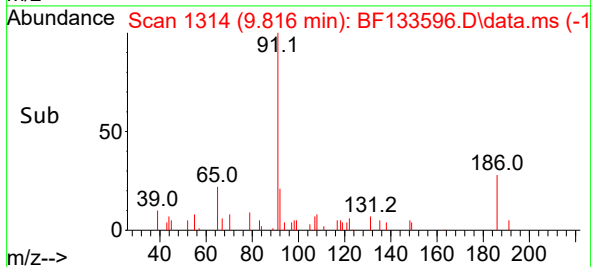
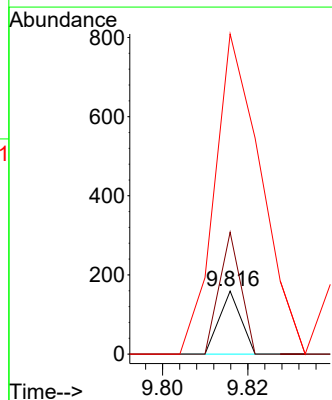
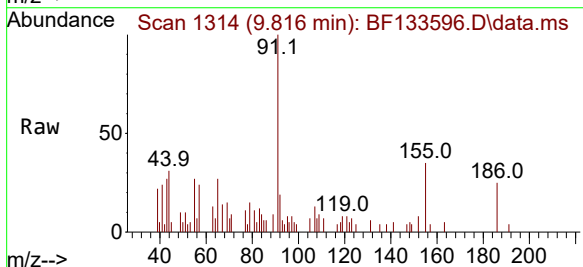
Instrument :
BNA_F
ClientSampleId :
WC07

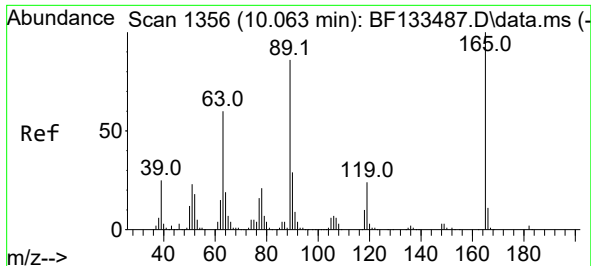
Tgt Ion:165 Resp: 26513
Ion Ratio Lower Upper
165 100
63 1.9 57.0 85.4#
89 2.0 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.196 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 193.7 11.9 17.9#
92 508.8 93.1 139.7#





#57

2,4-Dinitrotoluene

Concen: 5.085 ng

RT: 10.186 min Scan# 11

Delta R.T. 0.124 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

Tgt Ion:165 Resp: 1183

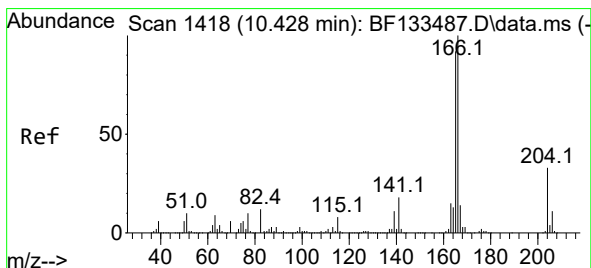
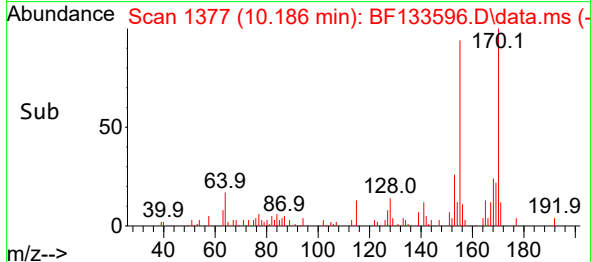
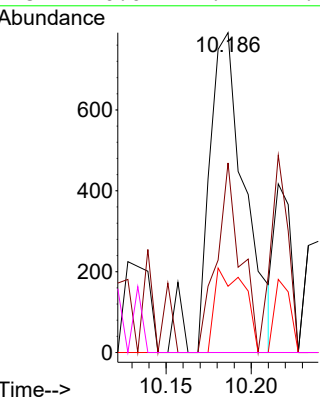
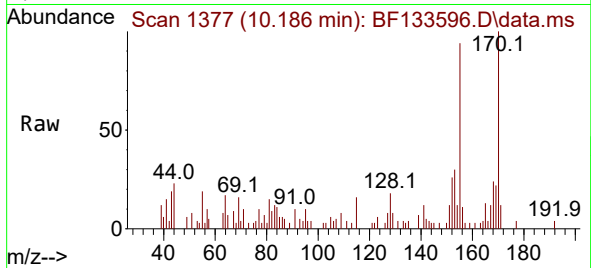
Ion Ratio Lower Upper

165 100

63 59.3 48.1 72.1

89 20.7 68.4 102.6#

182 0.0 1.9 2.9#



#58

Fluorene

Concen: 3.976 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

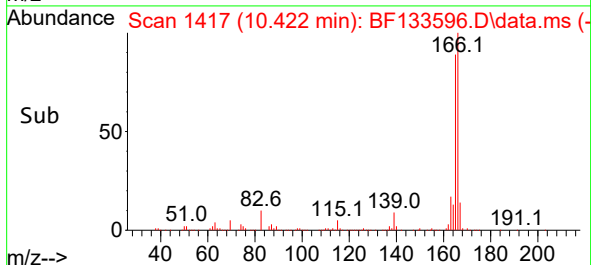
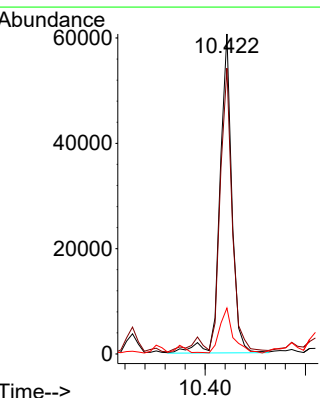
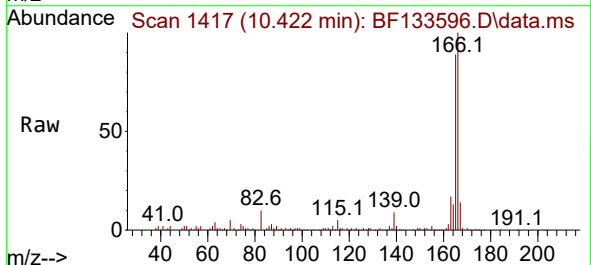
Tgt Ion:166 Resp: 49964

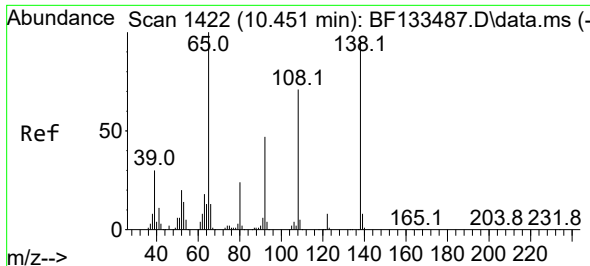
Ion Ratio Lower Upper

166 100

165 89.3 73.4 110.0

167 14.3 10.9 16.3

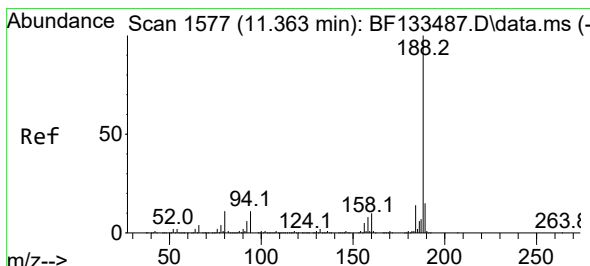
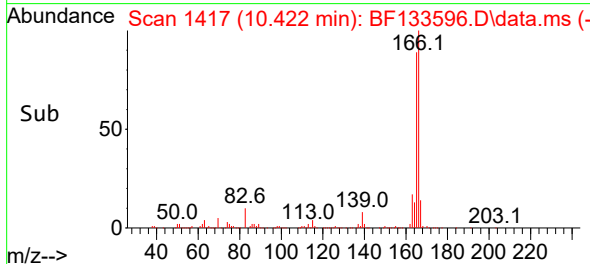
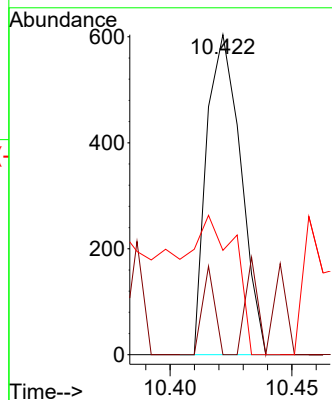
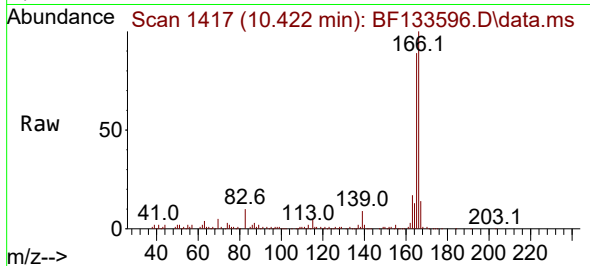




#62
4-Nitroaniline
Concen: 3.156 ng
RT: 10.422 min Scan# 1422
Delta R.T. -0.023 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

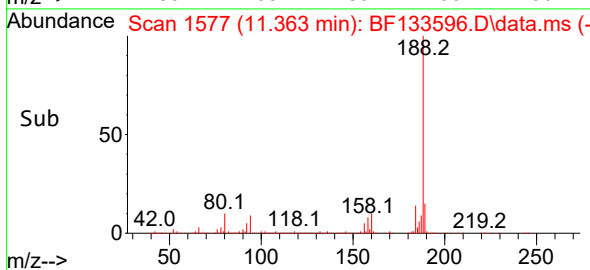
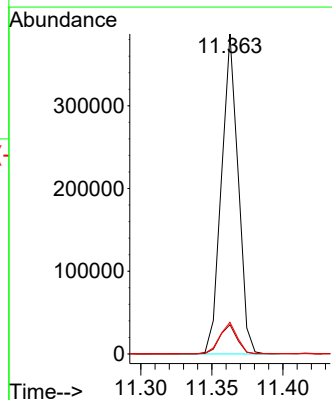
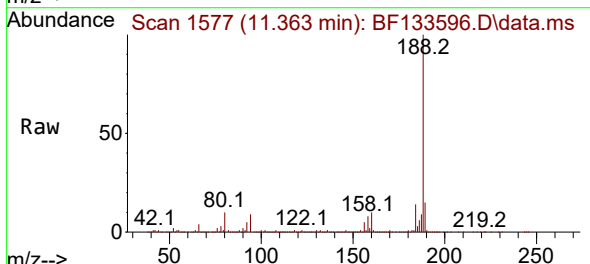
Instrument :
BNA_F
ClientSampleId :
WC07

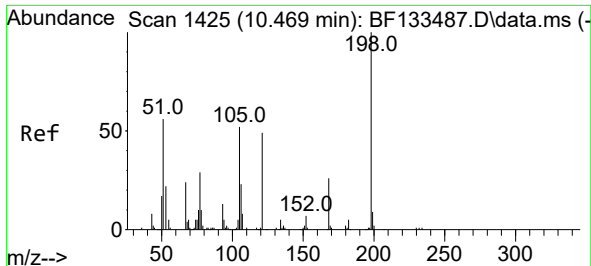
Tgt Ion:138 Resp: 585
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 32.6 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:188 Resp: 315563
Ion Ratio Lower Upper
188 100
94 9.1 8.6 12.8
80 9.9 9.2 13.8

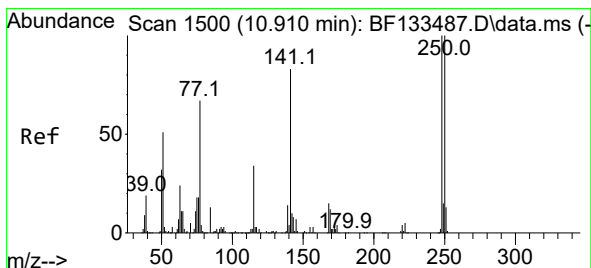
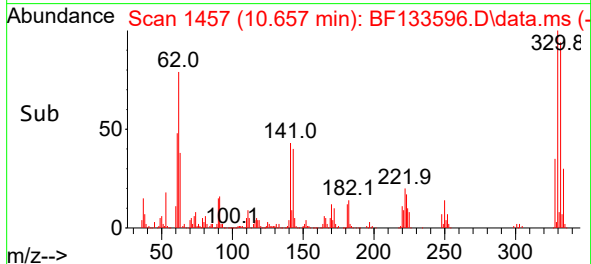
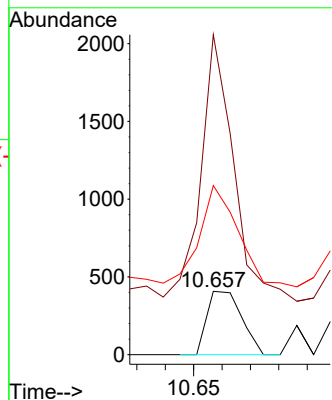
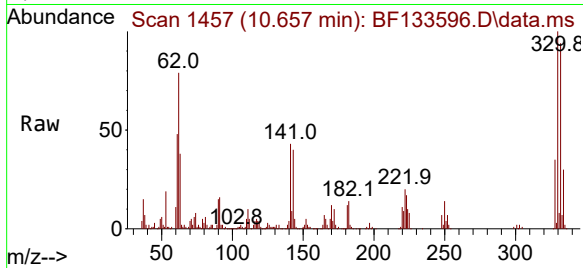




#65
4,6-Dinitro-2-methylphenol
Concen: 8.930 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.182 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

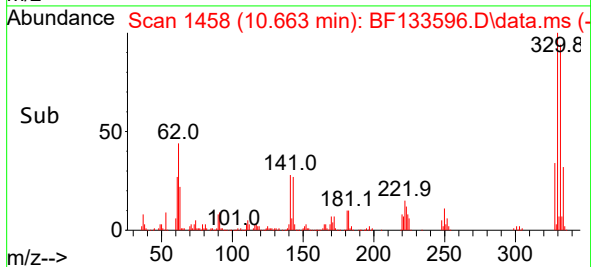
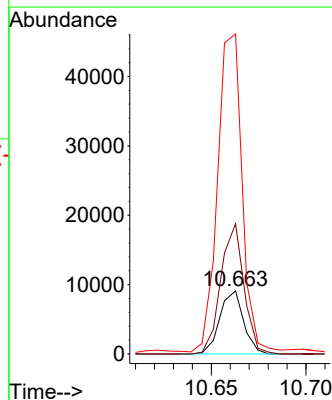
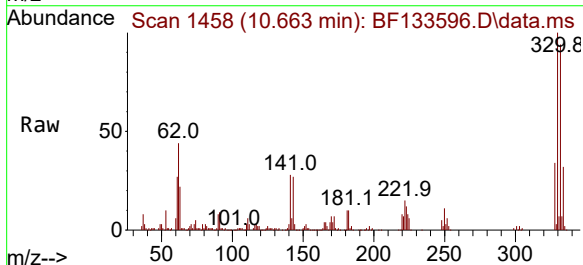
Instrument :
BNA_F
ClientSampleId :
WC07

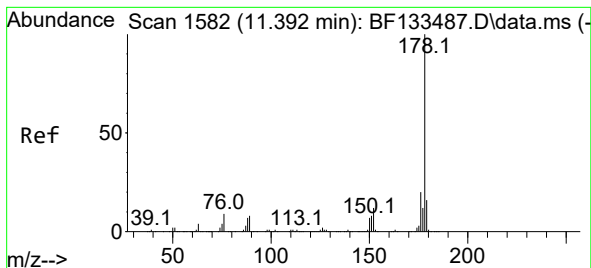
Tgt Ion:198 Resp: 345
Ion Ratio Lower Upper
198 100
51 505.7 53.6 93.6#
105 267.3 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.365 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:248 Resp: 7926
Ion Ratio Lower Upper
248 100
250 206.8 79.7 119.5#
141 508.0 66.6 100.0#





#71

Phenanthrene

Concen: 35.975 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

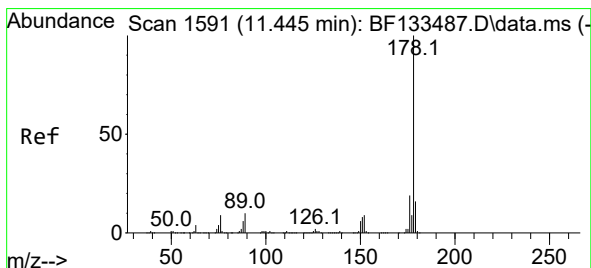
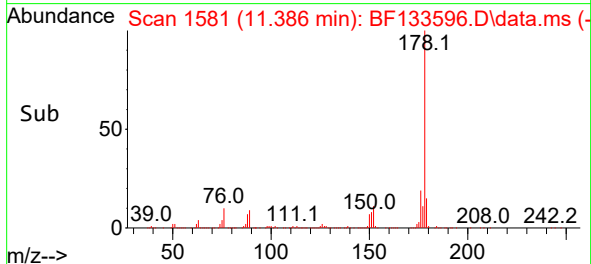
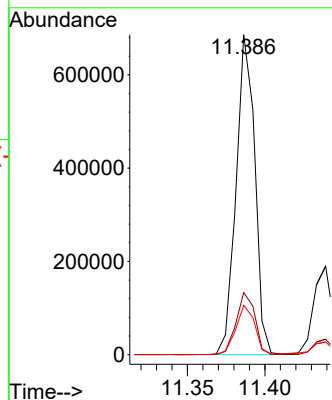
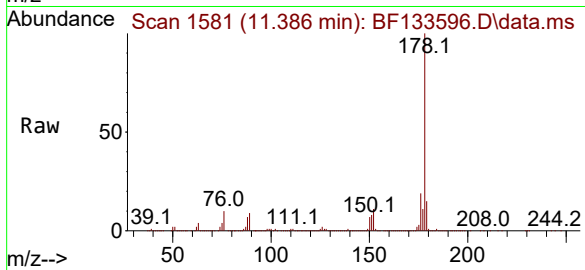
Tgt Ion:178 Resp: 574985

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.4 18.6



#72

Anthracene

Concen: 9.392 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

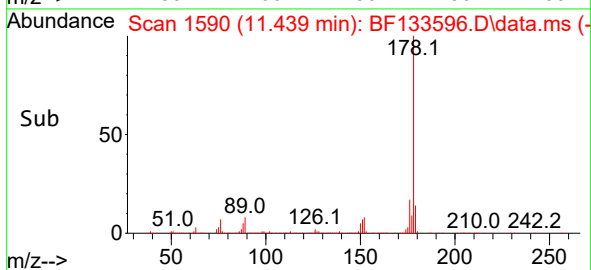
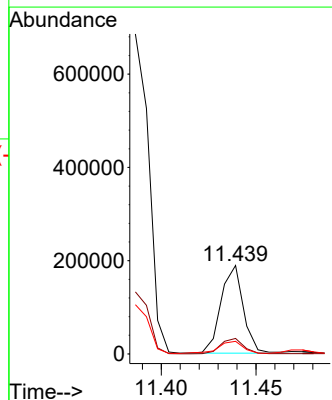
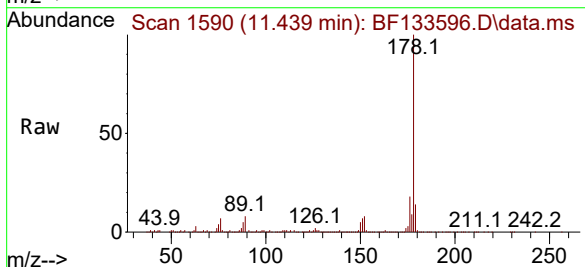
Tgt Ion:178 Resp: 154490

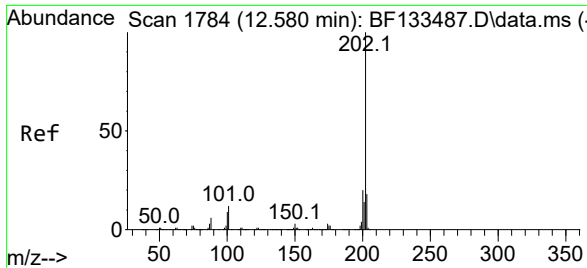
Ion Ratio Lower Upper

178 100

176 17.5 15.3 22.9

179 14.4 12.6 18.8

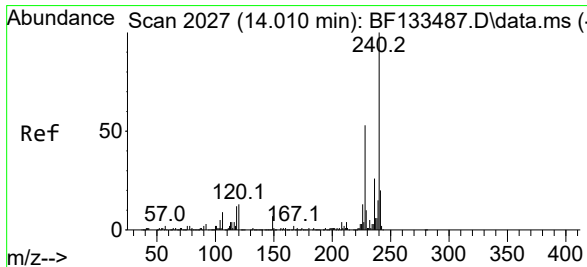
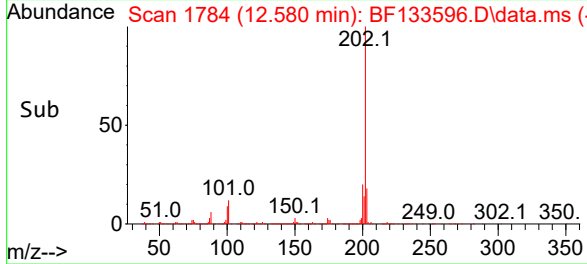
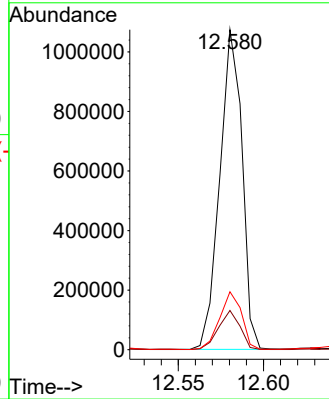
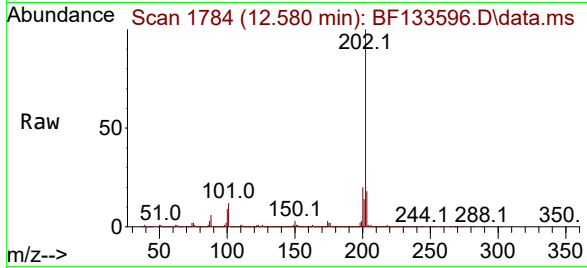




#75
Fluoranthene
Concen: 55.293 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

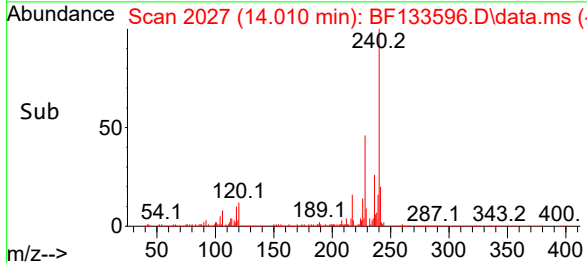
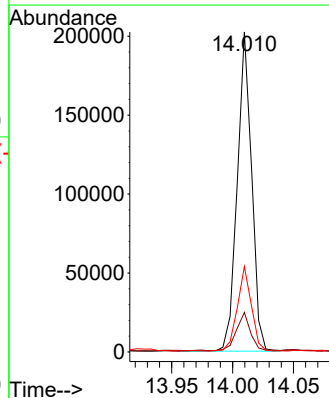
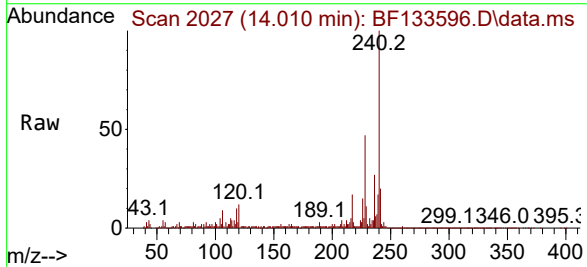
Instrument :
BNA_F
ClientSampleId :
WC07

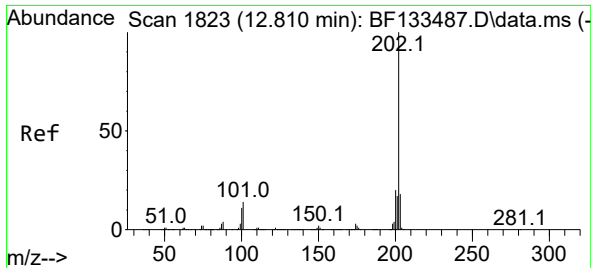
Tgt Ion:202 Resp: 976159
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.2
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:240 Resp: 166363
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 26.7 20.5 30.7

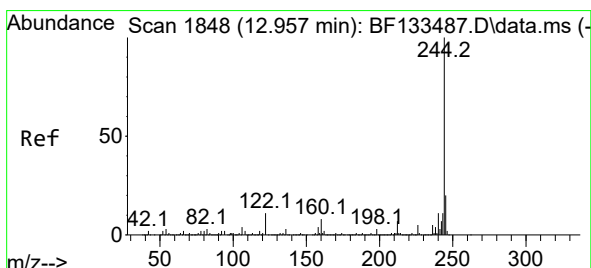
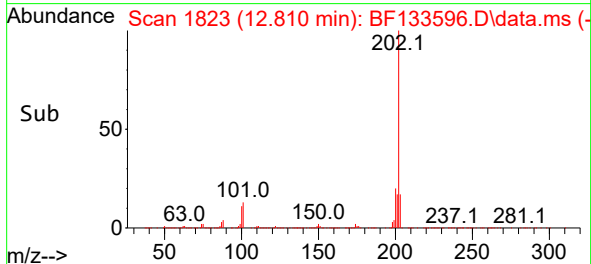
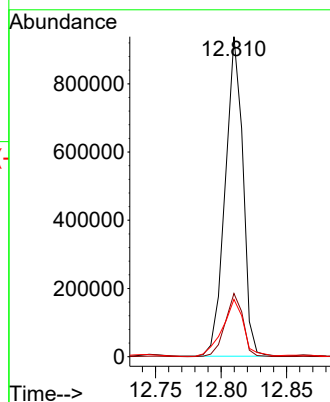
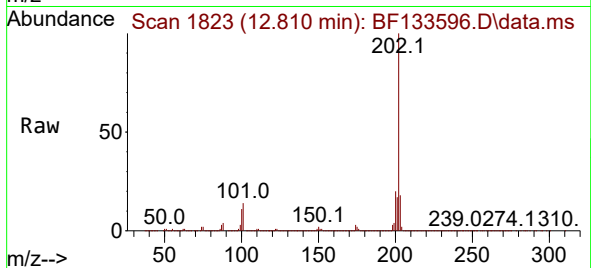




#78
Pyrene
Concen: 62.068 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

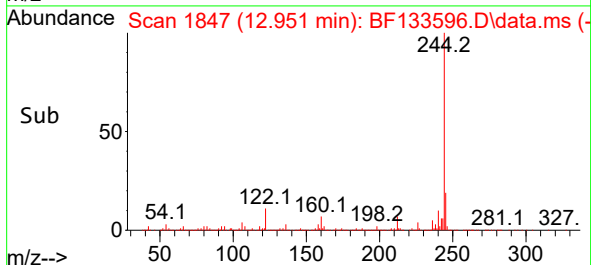
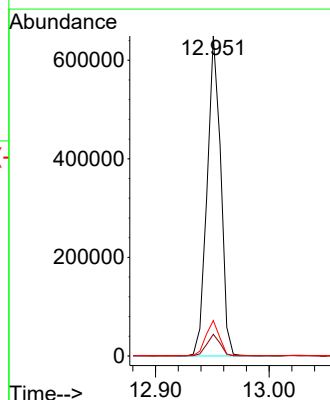
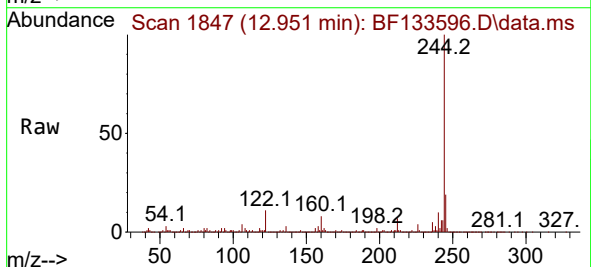
Instrument :
BNA_F
ClientSampleId :
WC07

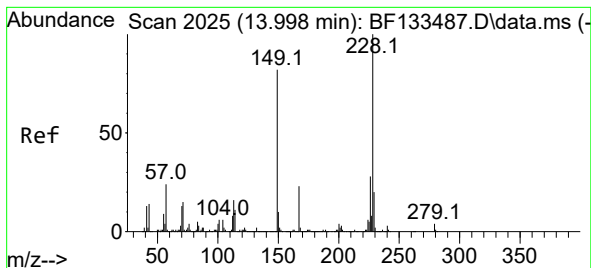
Tgt Ion:202 Resp: 878685
Ion Ratio Lower Upper
202 100
200 19.8 16.3 24.5
203 17.9 14.3 21.5



#79
Terphenyl-d14
Concen: 57.378 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:244 Resp: 536874
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 11.0 8.5 12.7





#81

Benzo(a)anthracene

Concen: 37.090 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

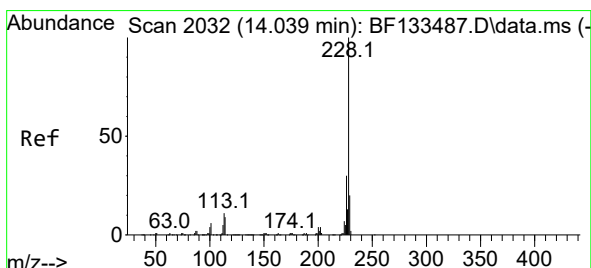
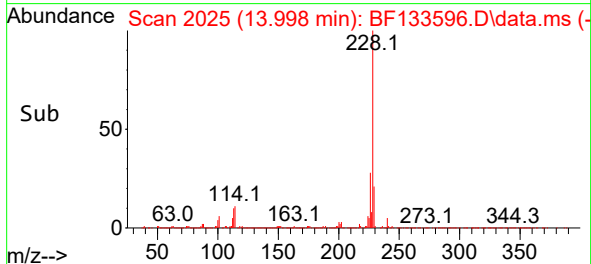
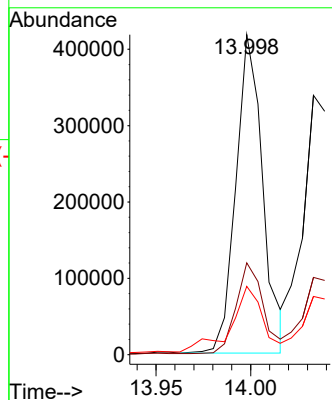
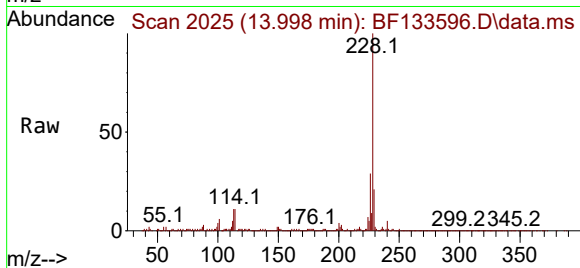
Tgt Ion:228 Resp: 411054

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

229 21.4 16.1 24.1



#83

Chrysene

Concen: 31.032 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

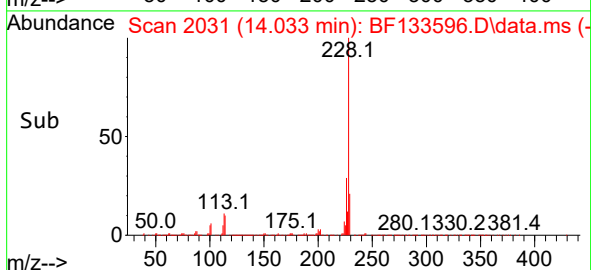
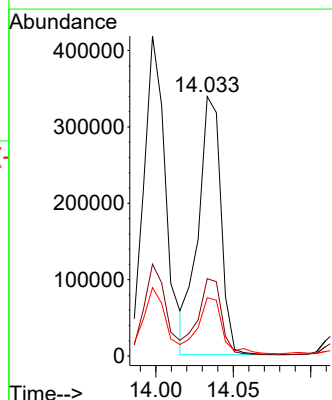
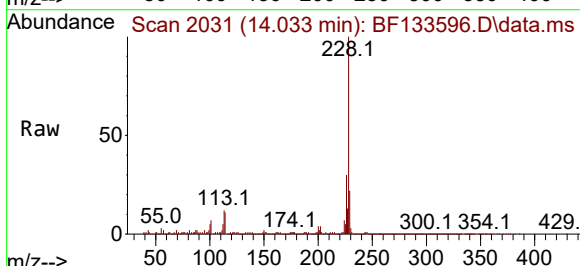
Tgt Ion:228 Resp: 347189

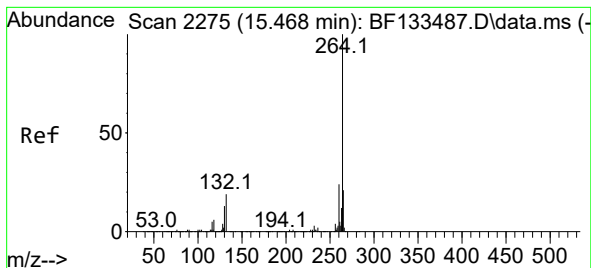
Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

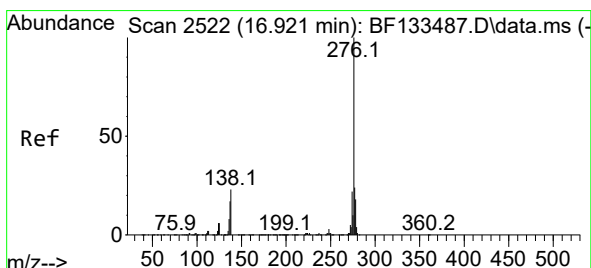
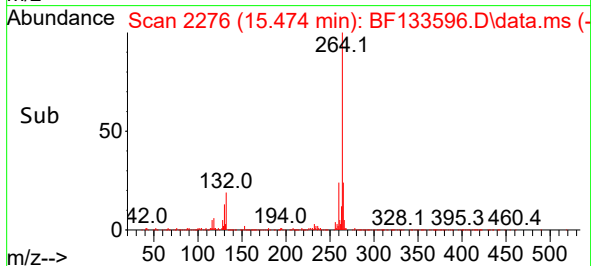
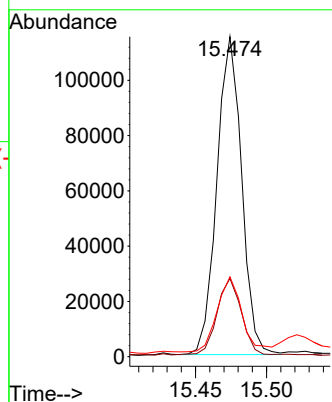
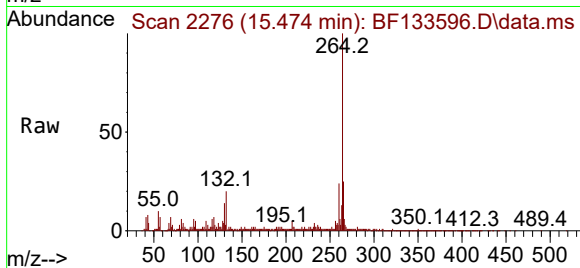
Tgt Ion:264 Resp: 139467

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 24.9 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.808 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

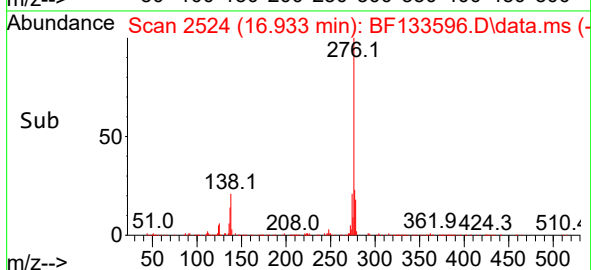
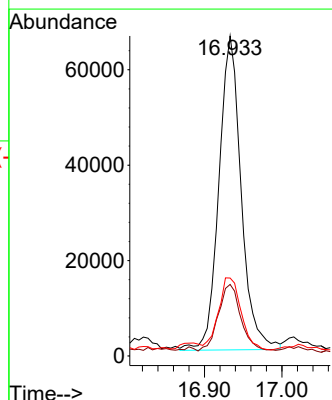
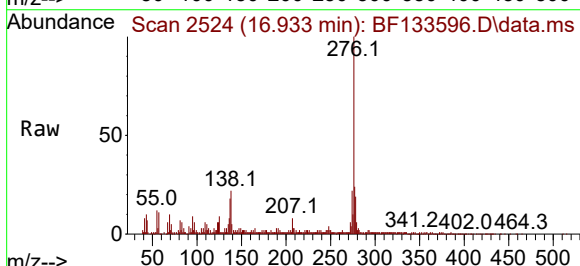
Tgt Ion:276 Resp: 131556

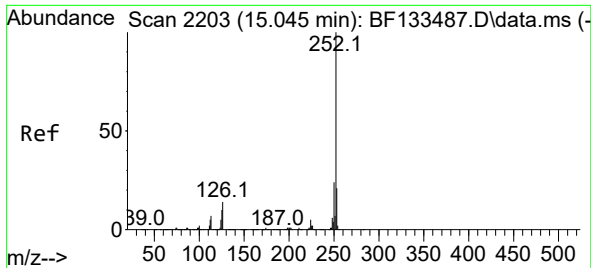
Ion Ratio Lower Upper

276 100

138 21.7 21.4 32.2

277 23.3 20.0 30.0

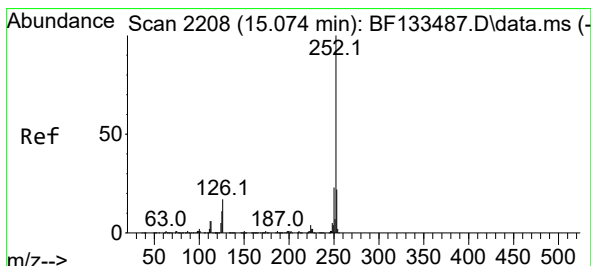
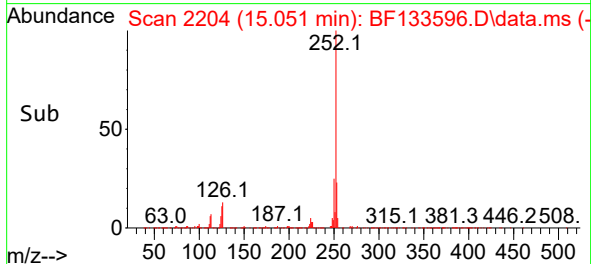
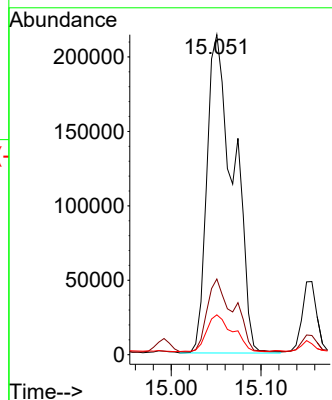
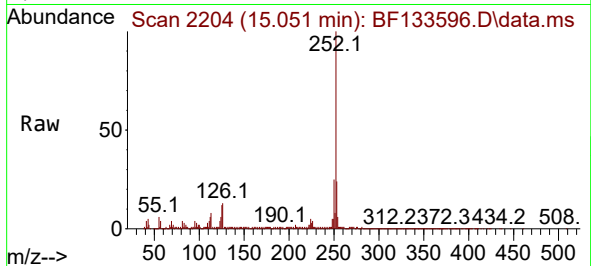




#88
Benzo(b)fluoranthene
Concen: 48.820 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

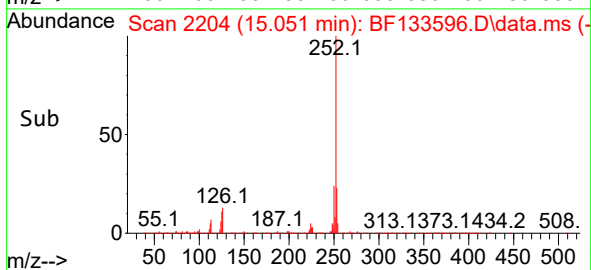
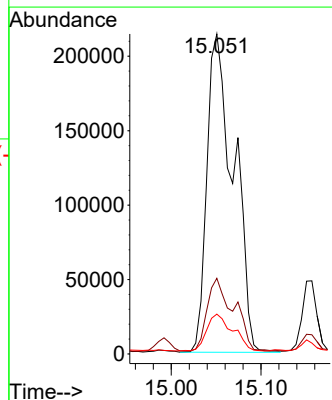
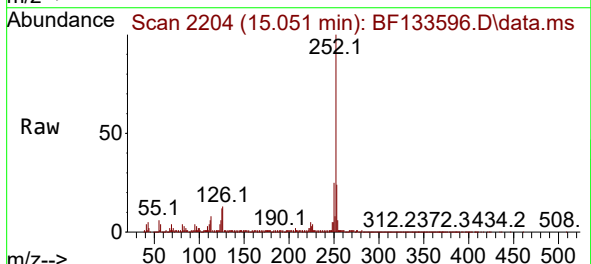
Instrument :
BNA_F
ClientSampleId :
WC07

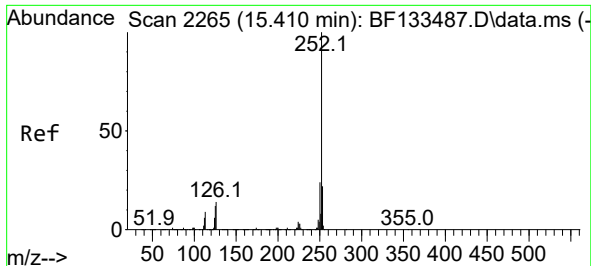
Tgt Ion:252 Resp: 443368
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 12.5 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 50.068 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.023 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:252 Resp: 443368
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 12.5 8.3 12.5

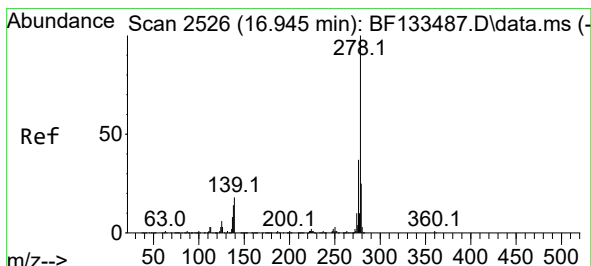
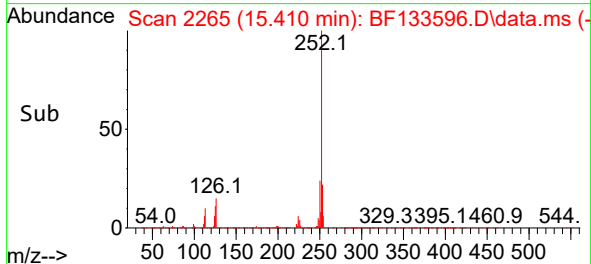
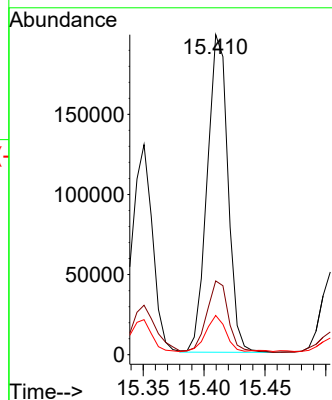
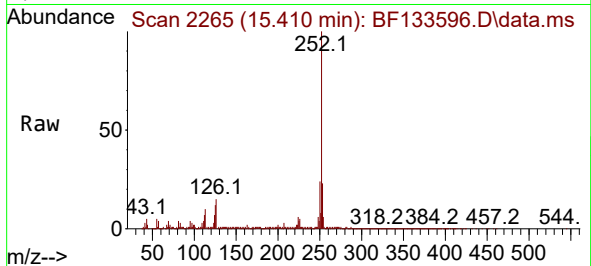




#90
Benzo(a)pyrene
Concen: 28.412 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

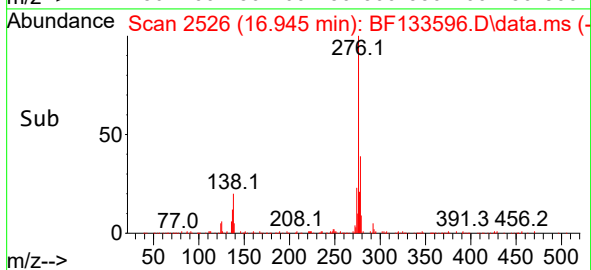
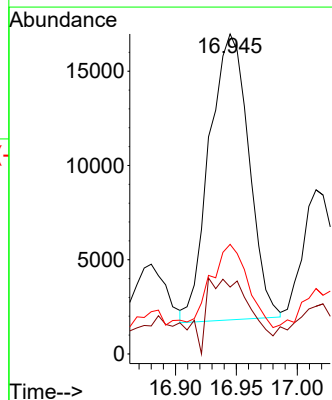
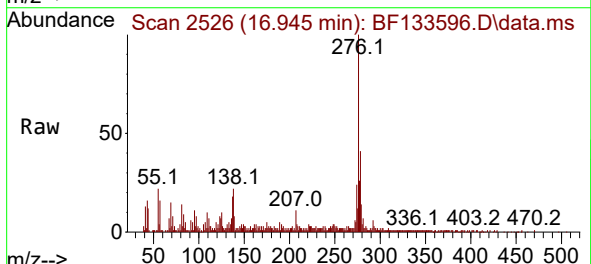
Instrument :
BNA_F
ClientSampleId :
WC07

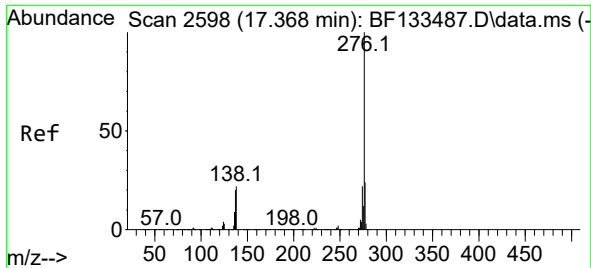
Tgt Ion:252 Resp: 234791
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 12.2 9.4 14.0



#91
Dibenzo(a,h)anthracene
Concen: 4.753 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

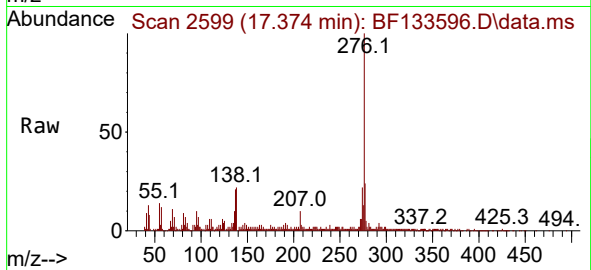
Tgt Ion:278 Resp: 34237
Ion Ratio Lower Upper
278 100
139 20.9 14.1 21.1
279 34.2 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 16.941 ng
RT: 17.374 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Instrument :
BNA_F
ClientSampleId :
WC07



Tgt Ion:276 Resp: 123038
Ion Ratio Lower Upper
276 100
277 24.4 18.8 28.2
138 22.1 17.8 26.6

