

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133599.D
 Acq On : 06 Jun 2023 19:17
 Operator : CG\JU
 Sample : 03002-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

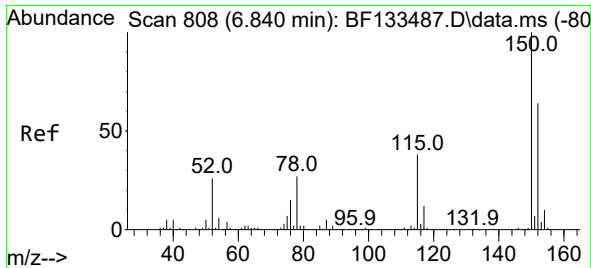
Instrument :
 BNA_F
 ClientSampleId :
 SB05B

Quant Time: Jun 07 04:00:57 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	124002	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	438360	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	184049	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	307741	20.000	ng	0.00
76) Chrysene-d12	14.015	240	154047	20.000	ng	0.00
86) Perylene-d12	15.480	264	132853	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	496756	66.839	ng	0.00
7) Phenol-d6	6.457	99	603135	65.924	ng	0.00
23) Nitrobenzene-d5	7.398	82	354319	53.968	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	125404	68.354	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	621273	52.100	ng	0.00
79) Terphenyl-d14	12.951	244	496605	57.317	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	724	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	7.398	70	49410	8.347	ng	# 76
25) Isophorone	7.398	82	354316	23.156	ng	# 65
32) Benzoic acid	7.881	122	400	7.428	ng	# 54
48) 2-Nitroaniline	9.310	65	603	4.150	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	23495	12.502	ng	# 17
53) 3-Nitroaniline	10.075	138	156	3.227	ng	# 1
56) 4-Nitrophenol	10.080	139	4781	2.160	ng	# 7
57) 2,4-Dinitrotoluene	9.875	165	23495	11.682	ng	# 15
62) 4-Nitroaniline	10.422	138	190	3.042	ng	# 19
63) Azobenzene	10.586	77	62709	4.665	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	237	8.866	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	8087	2.474	ng	# 1
71) Phenanthrene	11.386	178	290048	18.609	ng	99
72) Anthracene	11.439	178	76137	4.746	ng	98
75) Fluoranthene	12.580	202	373074	21.669	ng	97
78) Pyrene	12.810	202	499347	38.093	ng	99
81) Benzo(a)anthracene	14.004	228	333286	32.477	ng	# 93
83) Chrysene	14.039	228	469299	45.300	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.939	276	68050	8.041	ng	95
88) Benzo(b)fluoranthene	15.057	252	234180	27.070	ng	# 94
89) Benzo(k)fluoranthene	15.057	252	234180	27.762	ng	# 95
90) Benzo(a)pyrene	15.421	252	216532	27.507	ng	# 93
91) Dibenzo(a,h)anthracene	16.951	278	31719	4.623	ng	# 50
92) Benzo(g,h,i)perylene	17.380	276	79502	11.491	ng	# 88

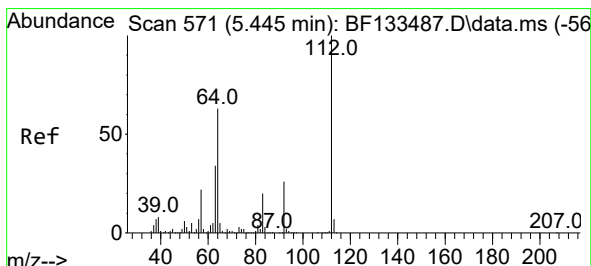
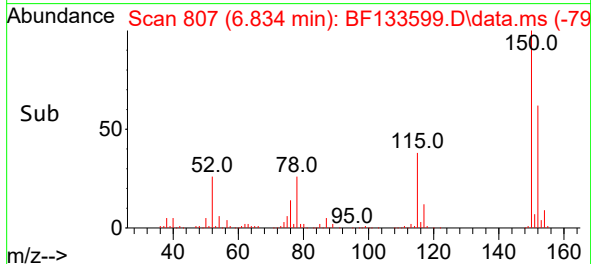
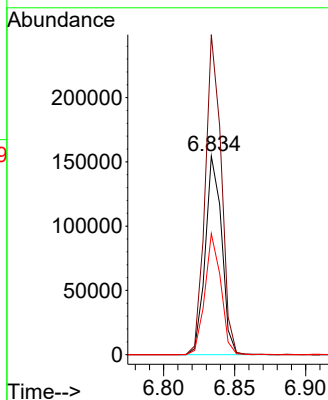
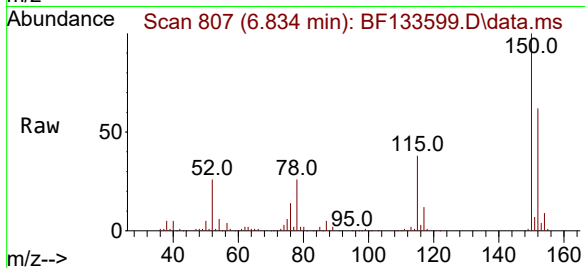
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

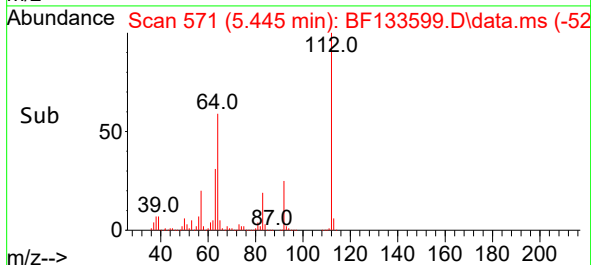
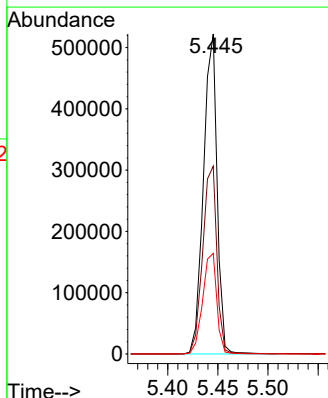
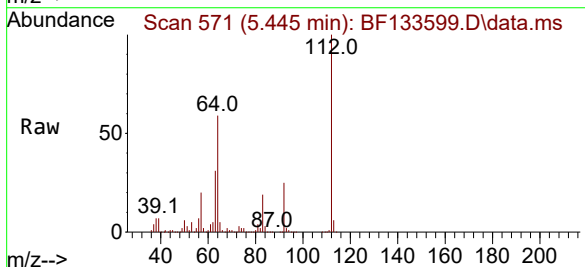
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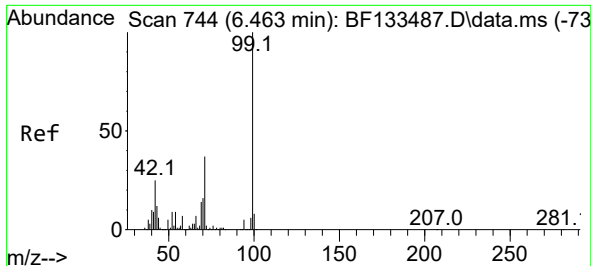
Tgt Ion:152 Resp: 124002
Ion Ratio Lower Upper
152 100
150 161.0 124.9 187.3
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 66.839 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:112 Resp: 496756
Ion Ratio Lower Upper
112 100
64 58.7 50.1 75.1
63 31.5 27.5 41.3

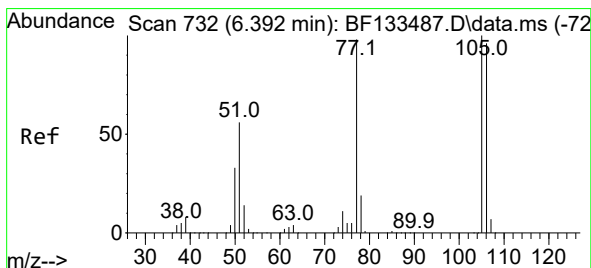
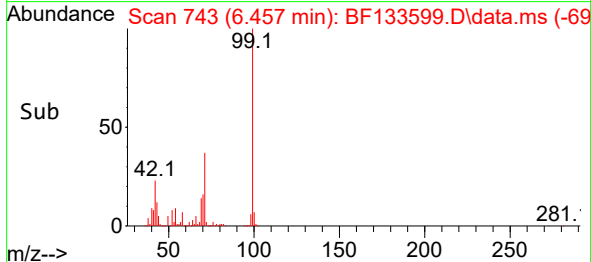
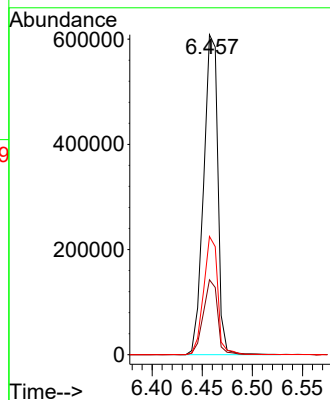
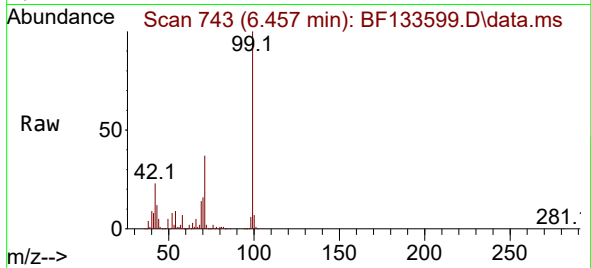




#7
Phenol-d6
Concen: 65.924 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

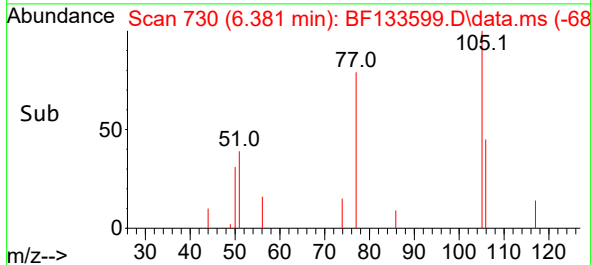
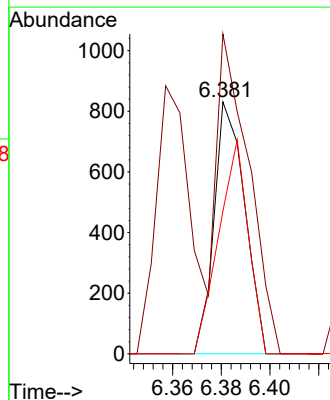
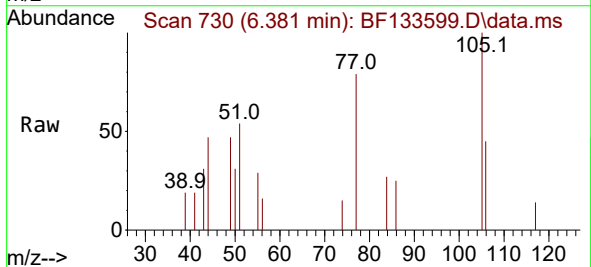
Instrument :
BNA_F
ClientSampleId :
SB05B

Tgt Ion: 99 Resp: 603135
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 37.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion: 77 Resp: 724
Ion Ratio Lower Upper
77 100
105 127.0 81.9 121.9#
106 56.7 77.8 117.8#

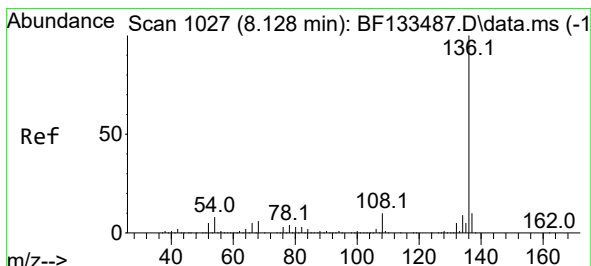
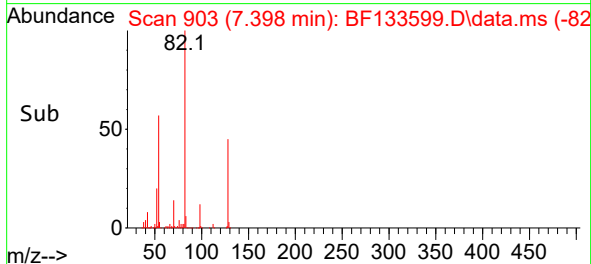
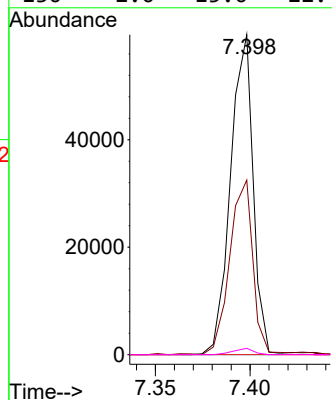
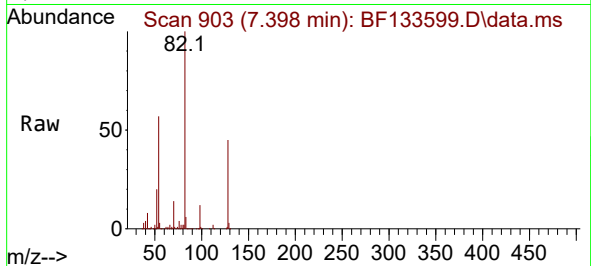




#19
n-Nitroso-di-n-propylamine
Concen: 8.347 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

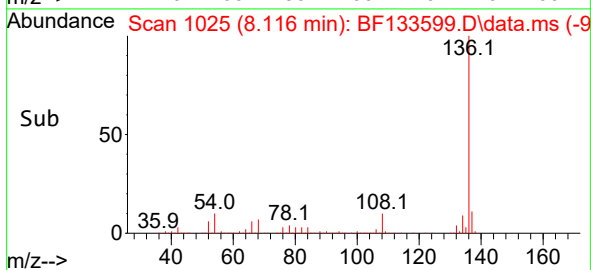
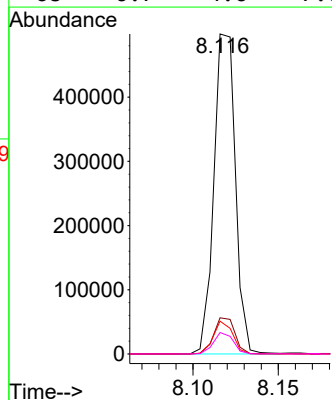
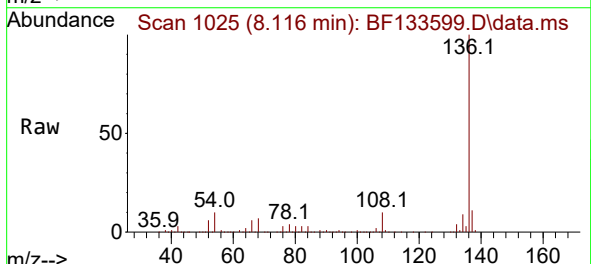
Instrument :
BNA_F
ClientSampleId :
SB05B

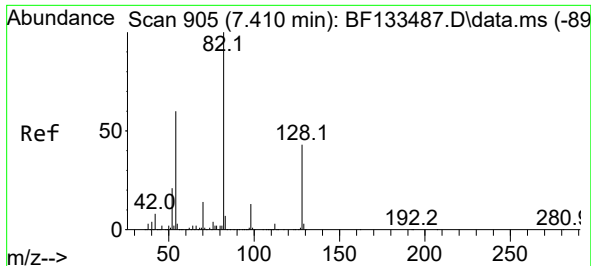
Tgt Ion: 70 Resp: 49410
Ion Ratio Lower Upper
70 100
42 54.5 57.2 85.8#
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion: 136 Resp: 438360
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 10.2 6.6 10.0#
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 53.968 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

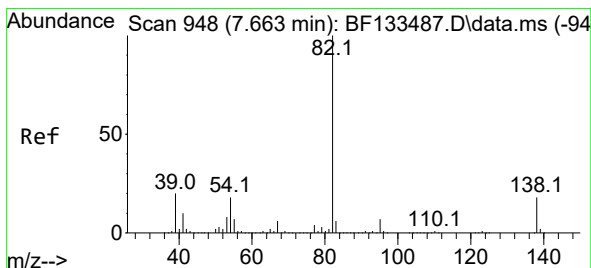
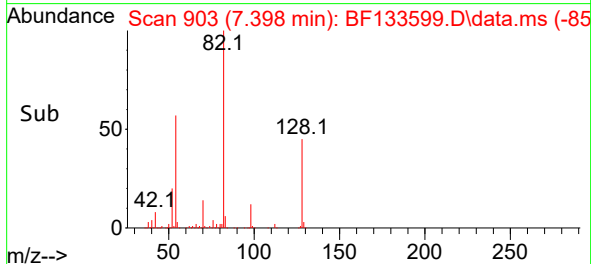
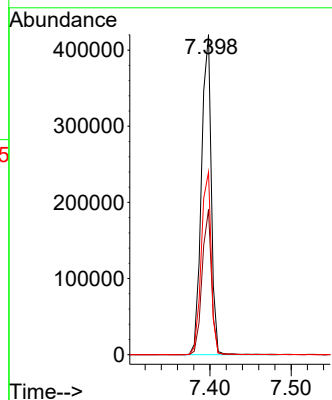
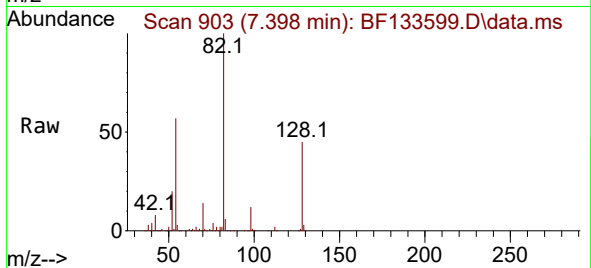
Tgt Ion: 82 Resp: 354319

Ion Ratio Lower Upper

82 100

128 45.3 34.2 51.4

54 57.0 48.2 72.4



#25

Isophorone

Concen: 23.156 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

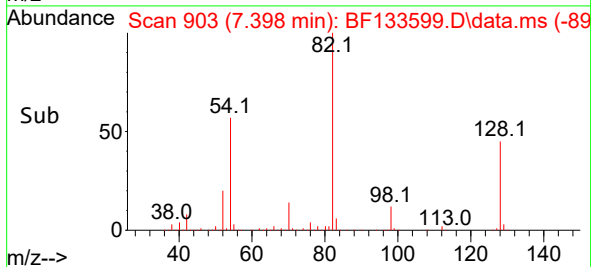
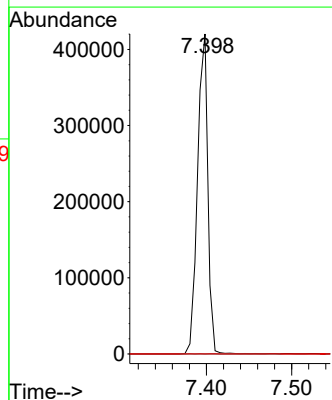
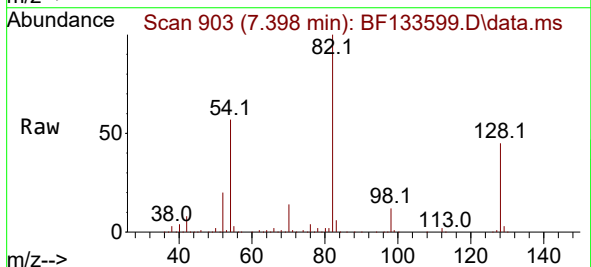
Tgt Ion: 82 Resp: 354316

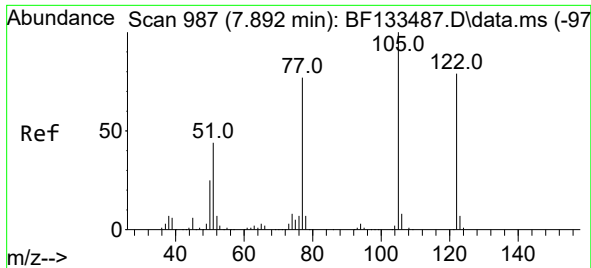
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

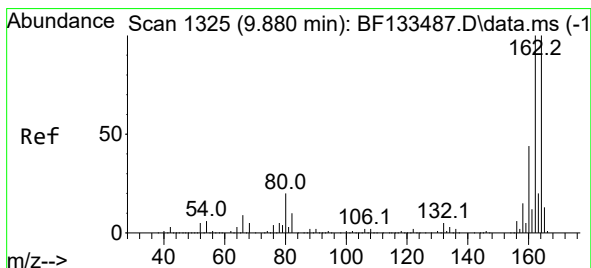
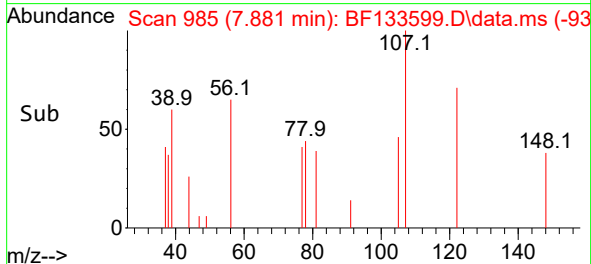
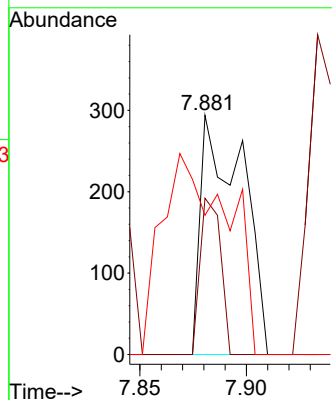
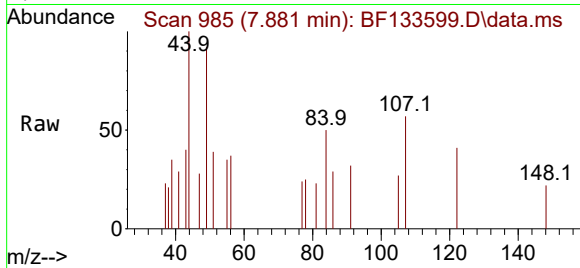




#32
Benzoic acid
Concen: 7.428 ng
RT: 7.881 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

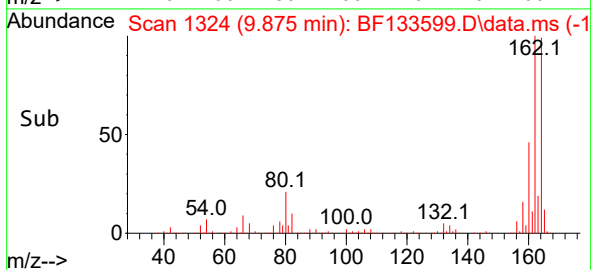
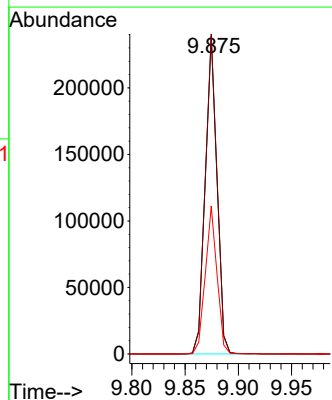
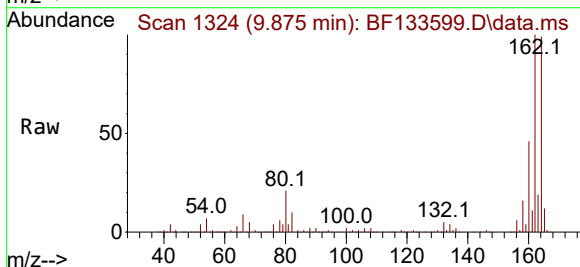
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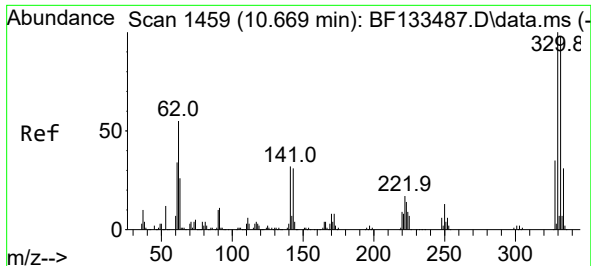
Tgt Ion:122 Resp: 400
Ion Ratio Lower Upper
122 100
105 65.3 103.3 143.3#
77 58.2 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:164 Resp: 184049
Ion Ratio Lower Upper
164 100
162 100.8 79.7 119.5
160 46.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 68.354 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133599.D

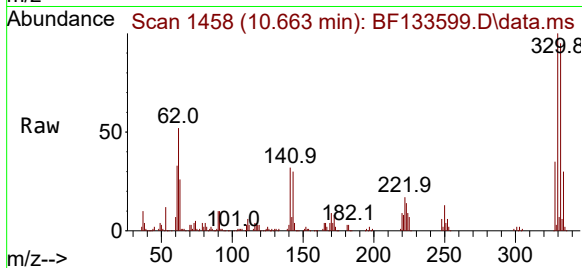
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Instrument :

BNA_F

ClientSampleId :

SB05B



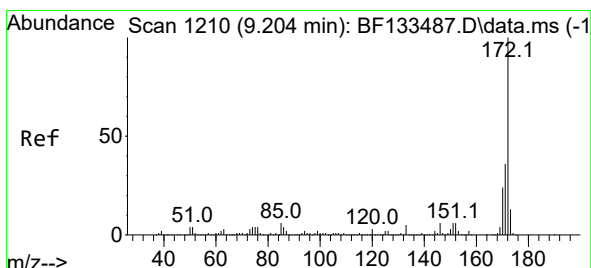
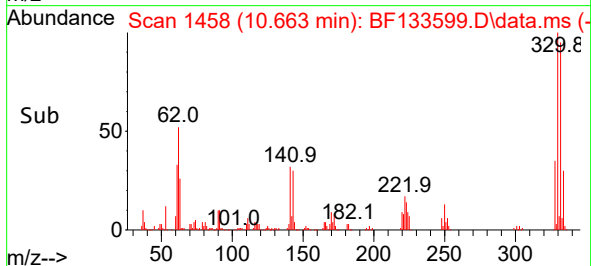
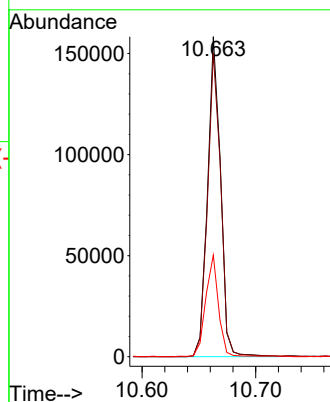
Tgt Ion:330 Resp: 125404

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.6

141 31.8 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 52.100 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

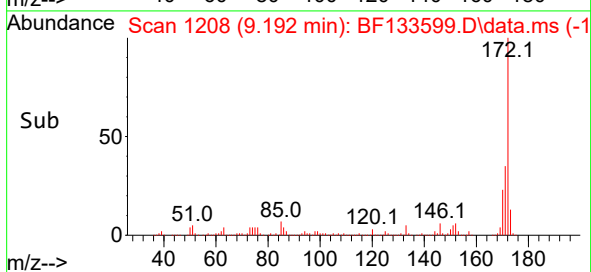
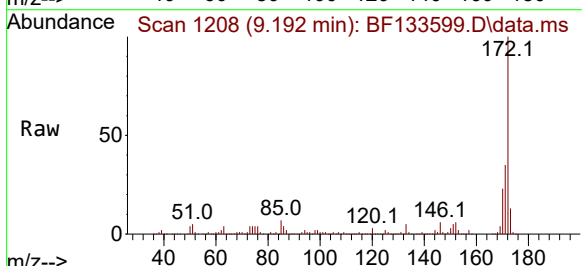
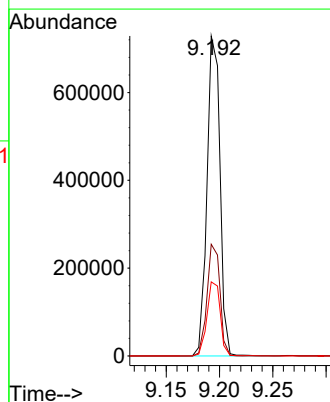
Tgt Ion:172 Resp: 621273

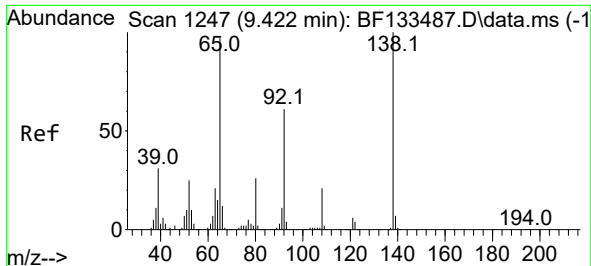
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.2 19.3 28.9

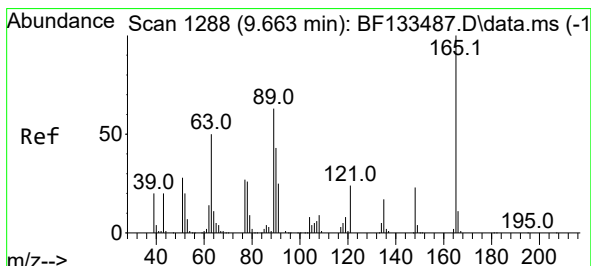
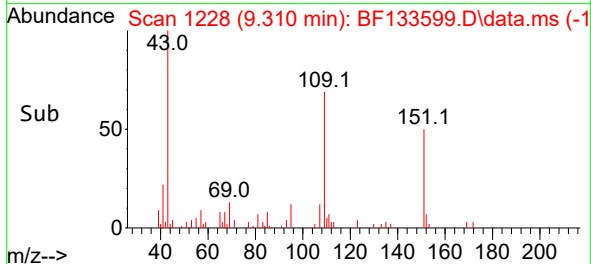
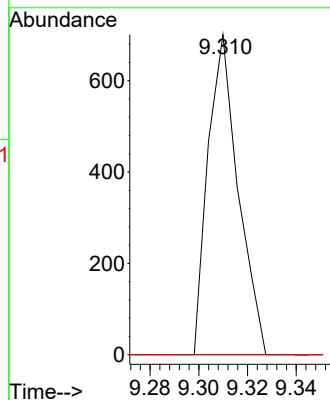
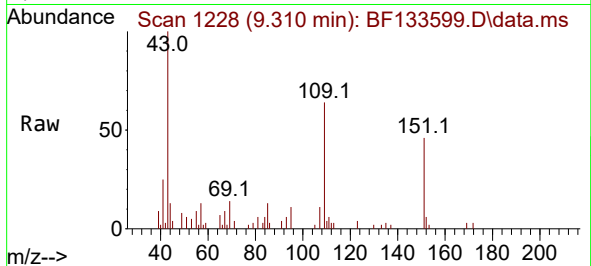




#48
2-Nitroaniline
Concen: 4.150 ng
RT: 9.310 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

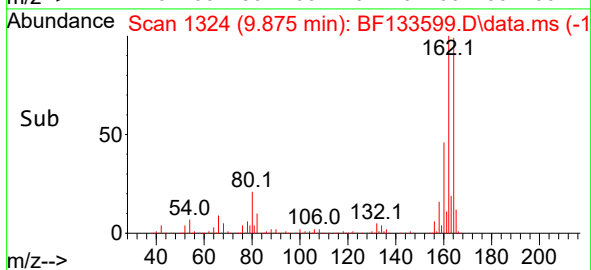
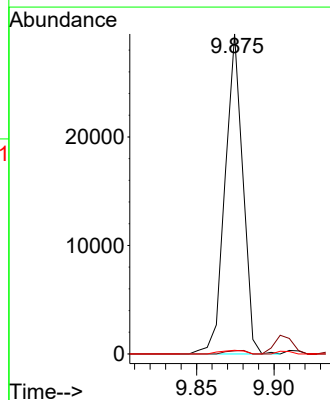
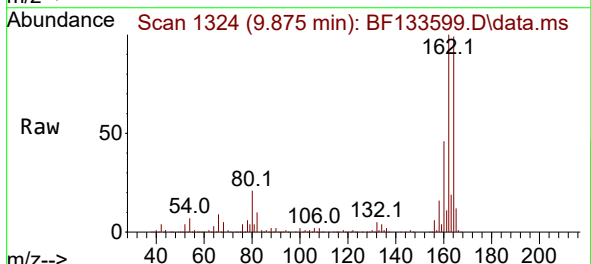
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BNA_F
ClientSampleId :
SB05B

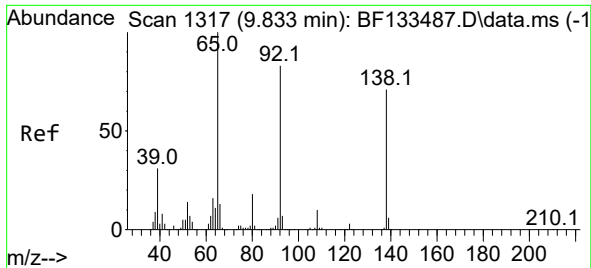
Tgt Ion: 65 Resp: 603
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.502 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion: 165 Resp: 23495
Ion Ratio Lower Upper
165 100
63 0.9 57.0 85.4#
89 1.2 50.8 76.2#

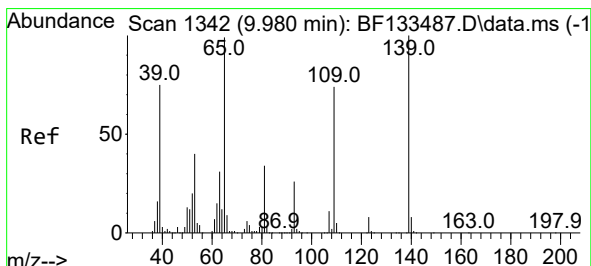
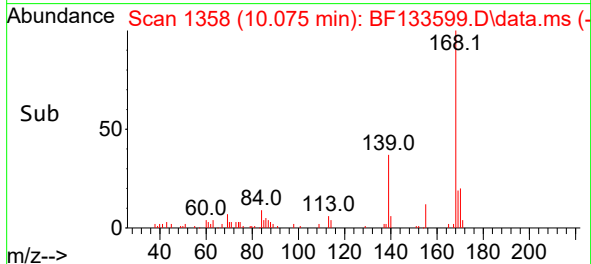
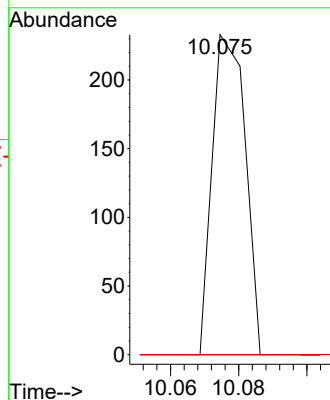
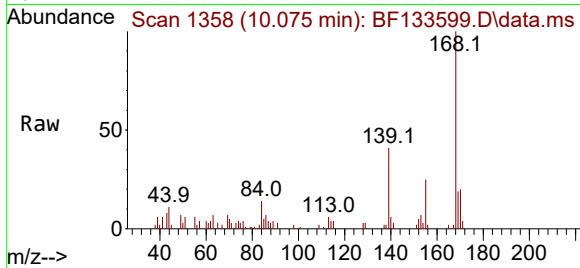




#53
3-Nitroaniline
Concen: 3.227 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

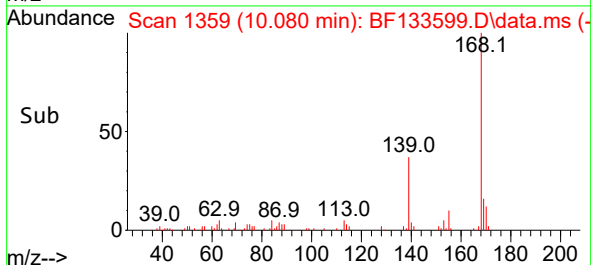
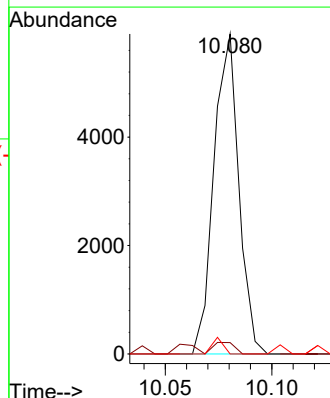
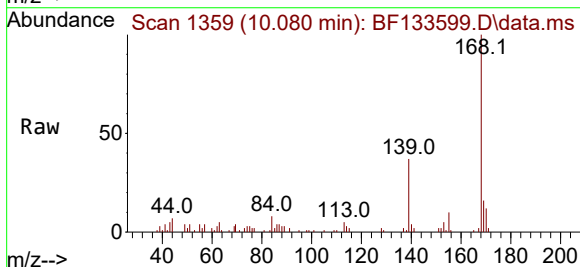
Instrument :
BNA_F
ClientSampleId :
SB05B

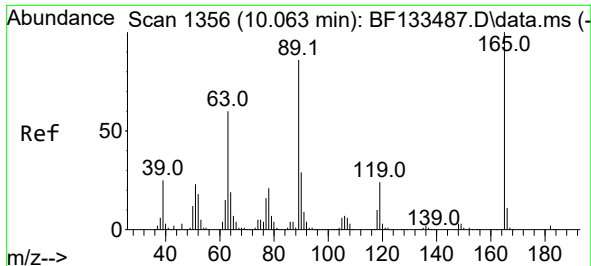
Tgt Ion:138 Resp: 156
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#56
4-Nitrophenol
Concen: 2.160 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.100 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:139 Resp: 4781
Ion Ratio Lower Upper
139 100
109 3.6 54.5 94.5#
65 0.0 79.5 119.5#

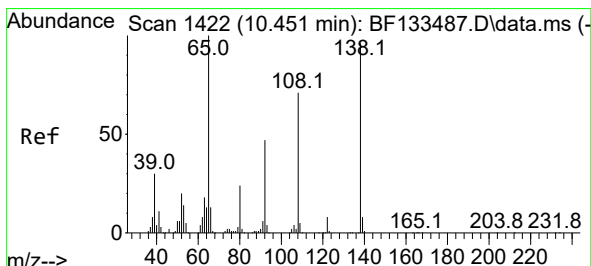
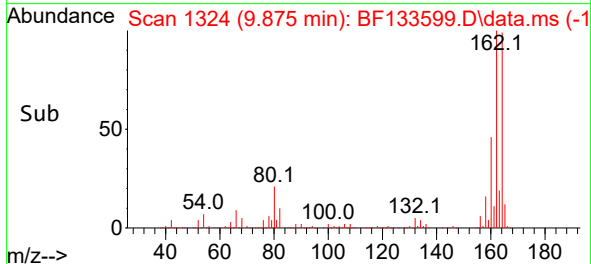
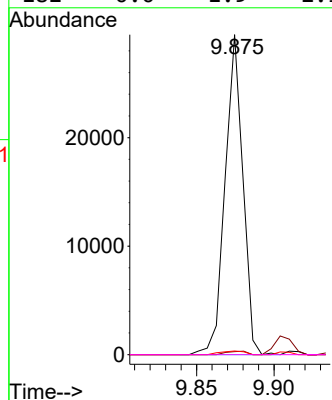
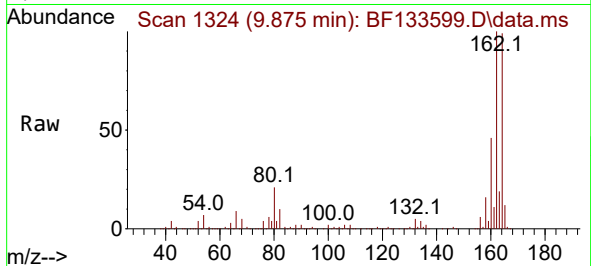




#57
2,4-Dinitrotoluene
Concen: 11.682 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

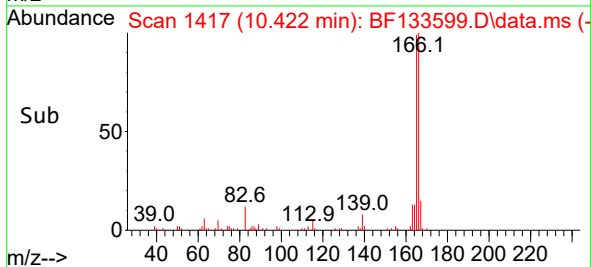
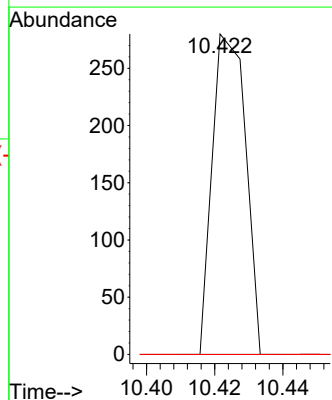
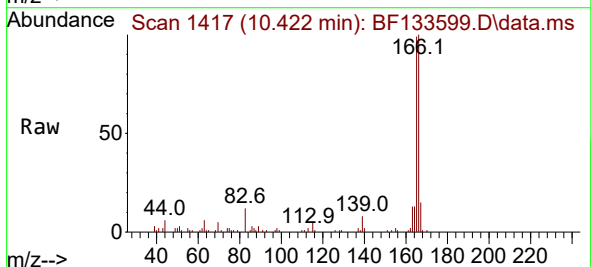
Instrument :
BNA_F
ClientSampleId :
SB05B

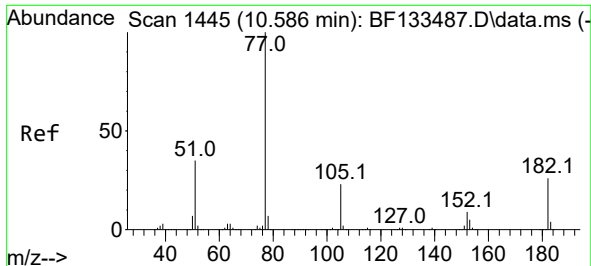
Tgt Ion:165 Resp: 23495
Ion Ratio Lower Upper
165 100
63 0.9 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.042 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.024 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:138 Resp: 190
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#

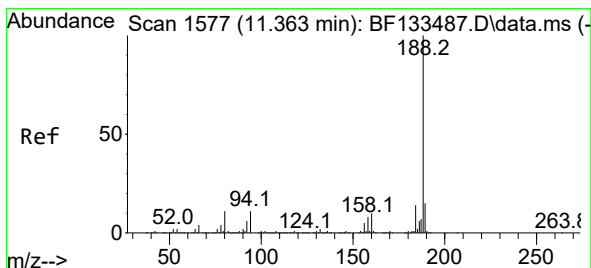
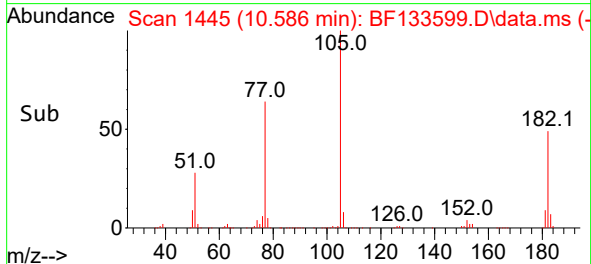
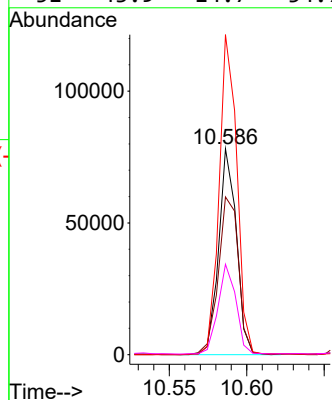
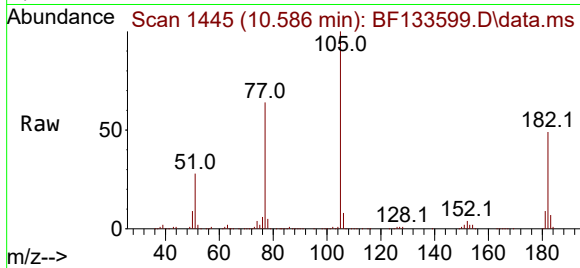




#63
Azobenzene
Concen: 4.665 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

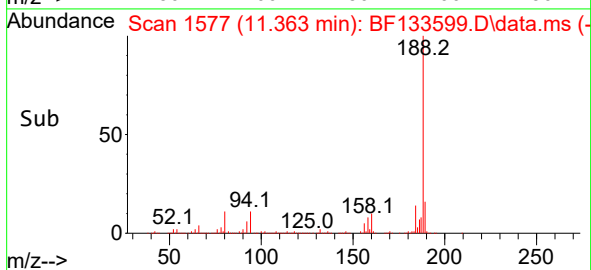
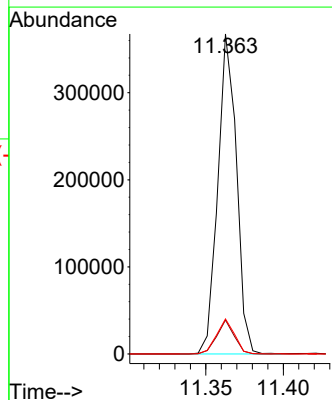
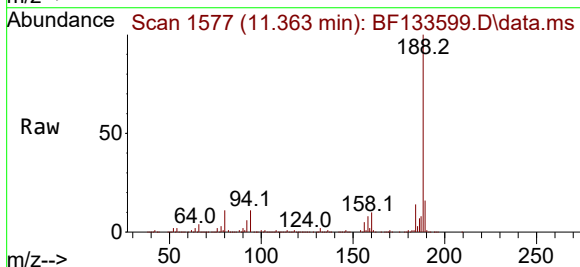
Instrument :
BNA_F
ClientSampleId :
SB05B

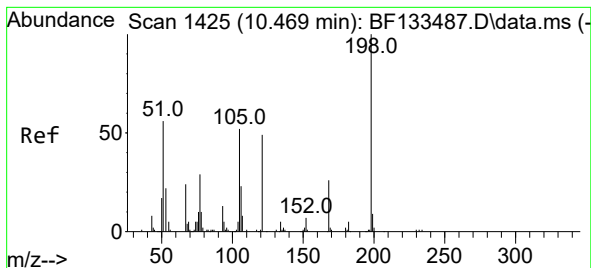
Tgt Ion: 77 Resp: 62709
Ion Ratio Lower Upper
77 100
182 76.6 5.6 45.6#
105 155.4 2.6 42.6#
51 43.9 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion: 188 Resp: 307741
Ion Ratio Lower Upper
188 100
94 10.6 8.6 12.8
80 11.0 9.2 13.8

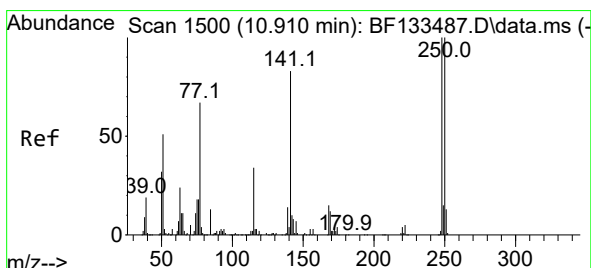
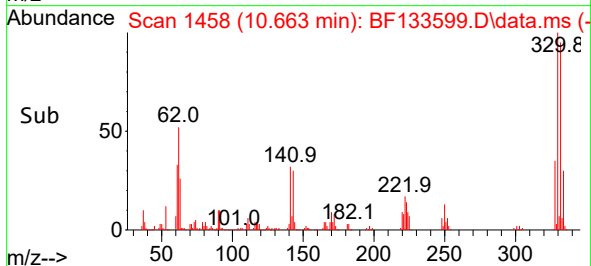
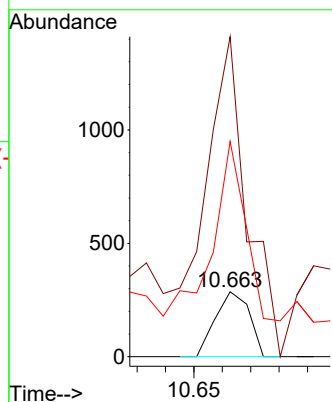
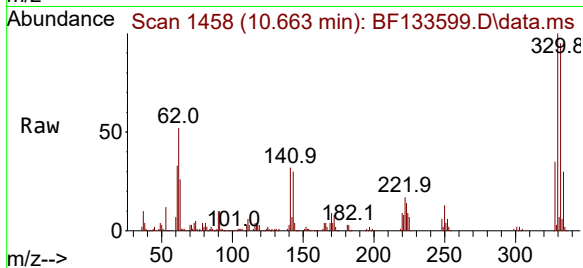




#65
4,6-Dinitro-2-methylphenol
Concen: 8.866 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

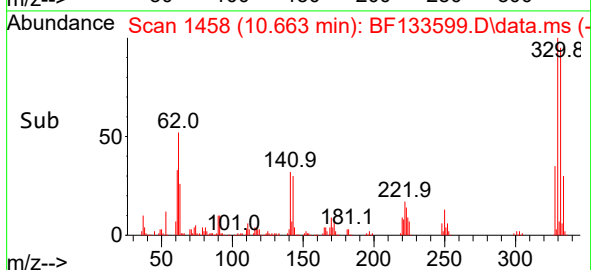
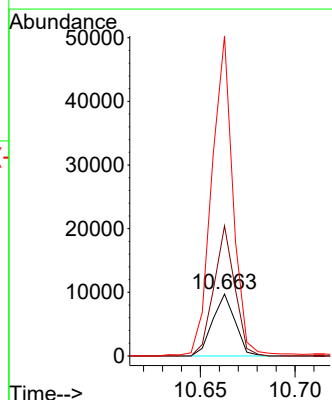
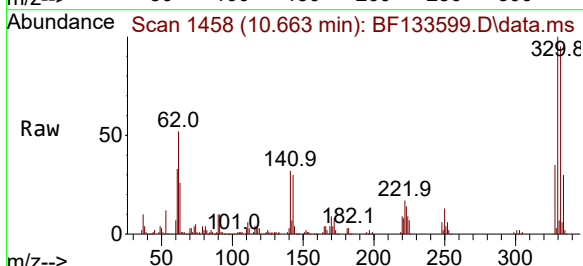
Instrument :
BNA_F
ClientSampleId :
SB05B

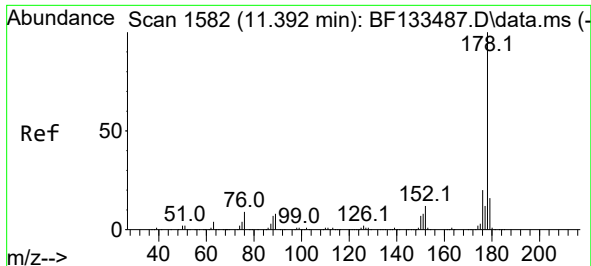
Tgt Ion:198 Resp: 237
Ion Ratio Lower Upper
198 100
51 491.6 53.6 93.6#
105 330.7 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.474 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:248 Resp: 8087
Ion Ratio Lower Upper
248 100
250 210.3 79.7 119.5#
141 517.4 66.6 100.0#

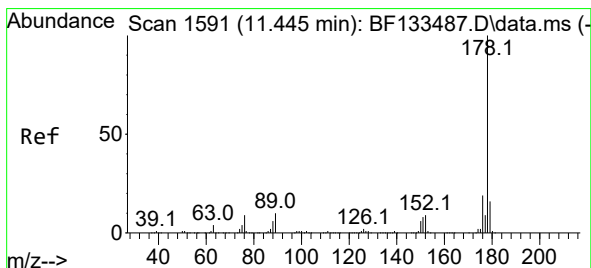
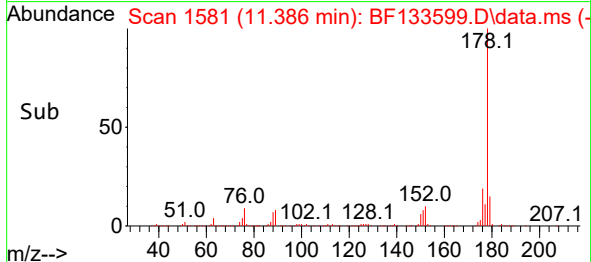
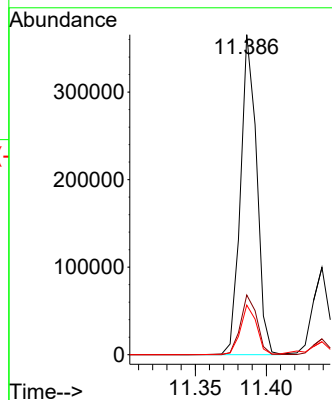
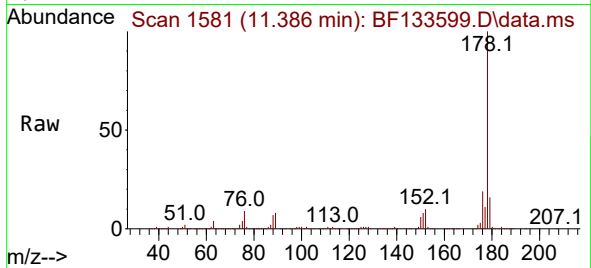




#71
Phenanthrene
Concen: 18.609 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

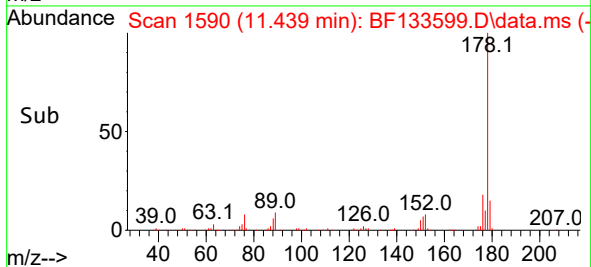
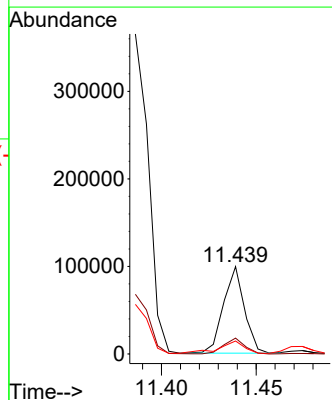
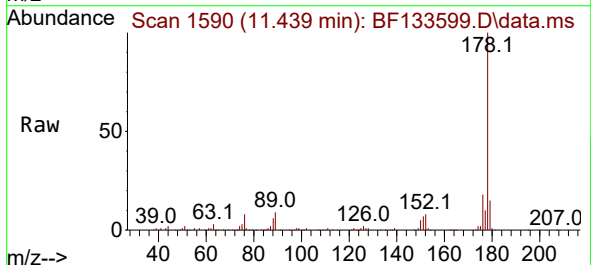
Instrument :
BNA_F
ClientSampleId :
SB05B

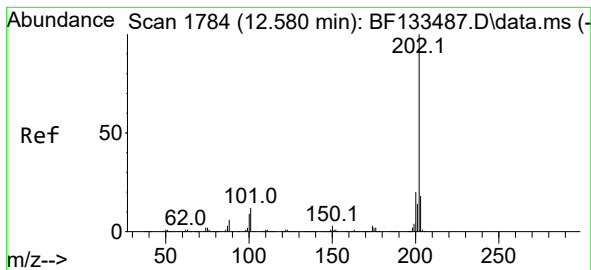
Tgt Ion:178 Resp: 290048
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.5 12.4 18.6



#72
Anthracene
Concen: 4.746 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:178 Resp: 76137
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 14.8 12.6 18.8





#75

Fluoranthene

Concen: 21.669 ng

RT: 12.580 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

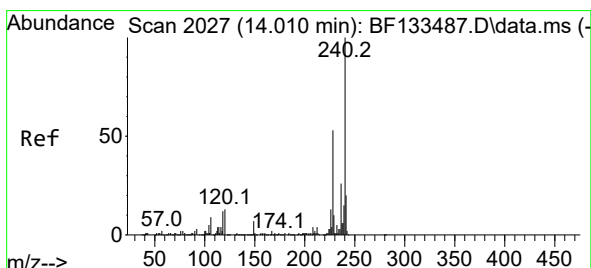
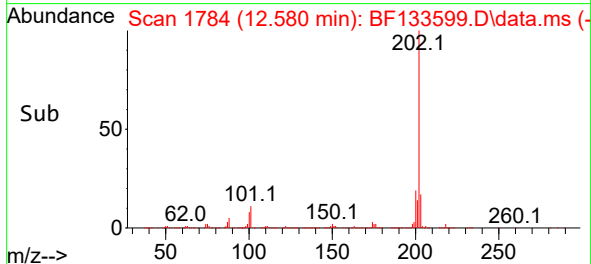
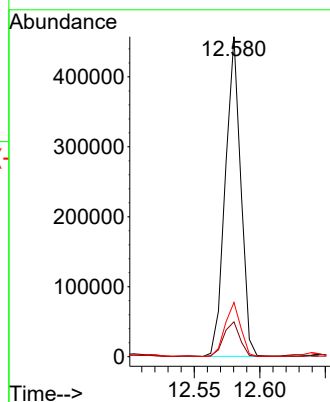
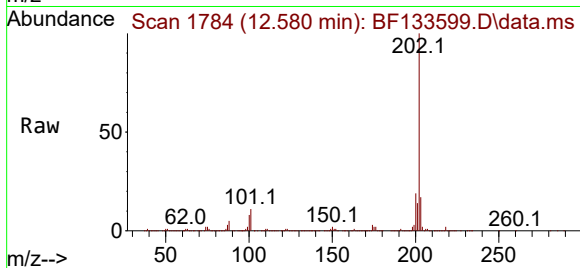
Tgt Ion:202 Resp: 373074

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.2

203 16.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

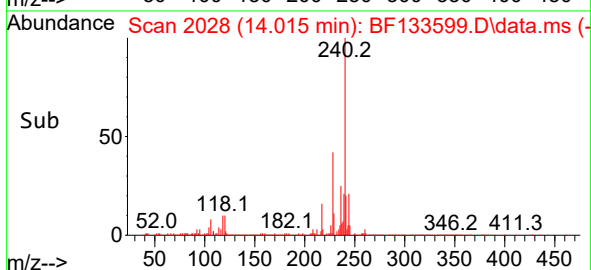
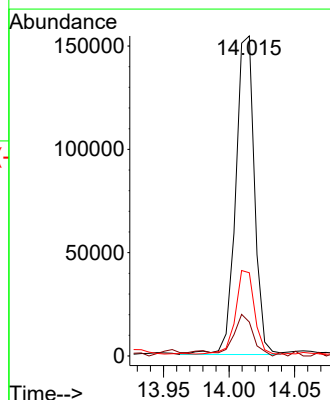
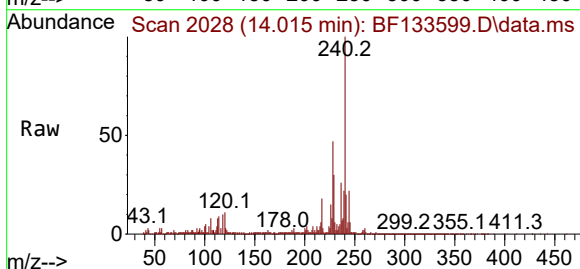
Tgt Ion:240 Resp: 154047

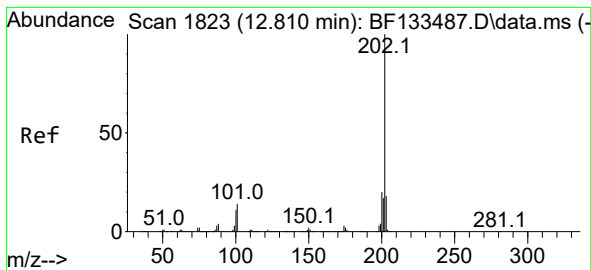
Ion Ratio Lower Upper

240 100

120 10.6 10.3 15.5

236 26.0 20.5 30.7





#78

Pyrene

Concen: 38.093 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

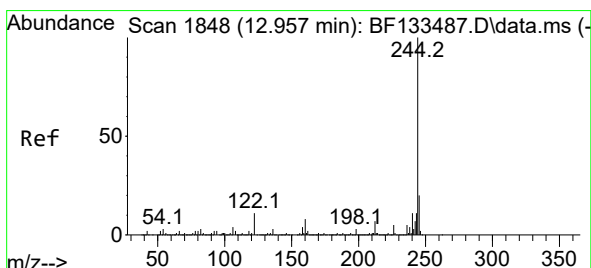
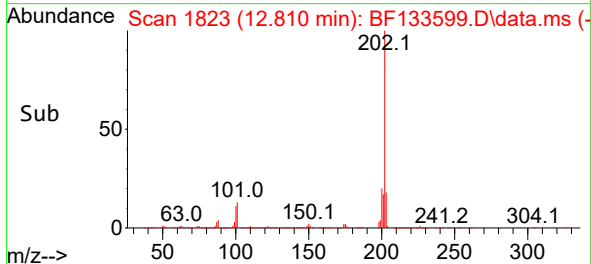
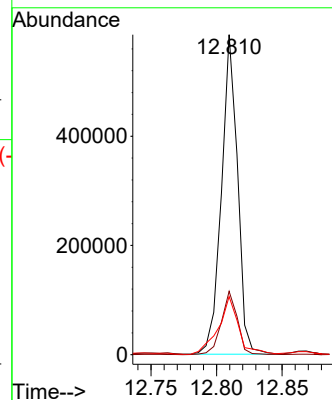
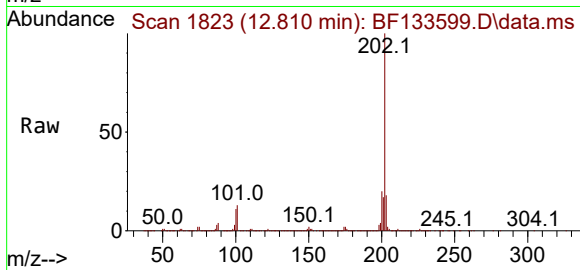
Tgt Ion:202 Resp: 499347

Ion Ratio Lower Upper

202 100

200 19.8 16.3 24.5

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 57.317 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

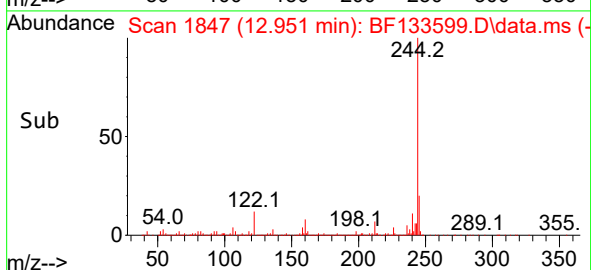
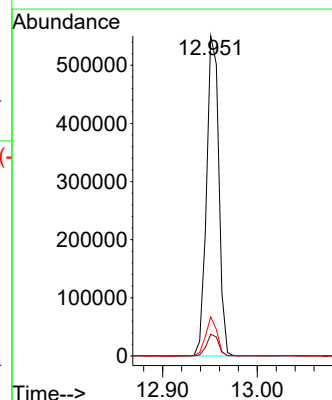
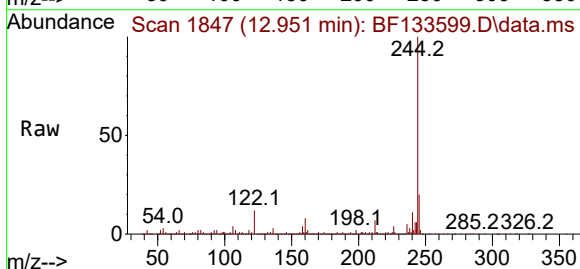
Tgt Ion:244 Resp: 496605

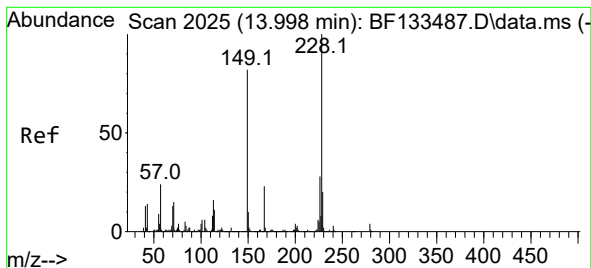
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 12.2 8.5 12.7





#81

Benzo(a)anthracene

Concen: 32.477 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNF_F

ClientSampleId :

SB05B

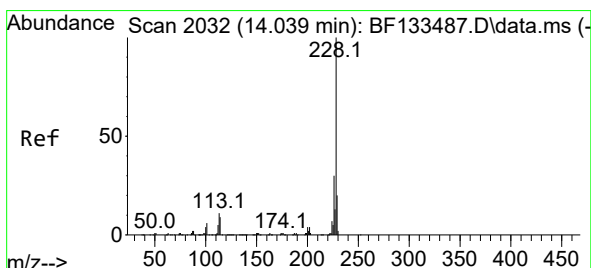
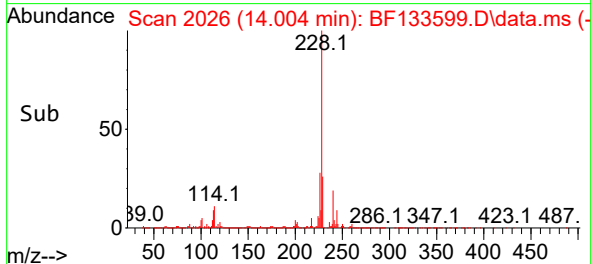
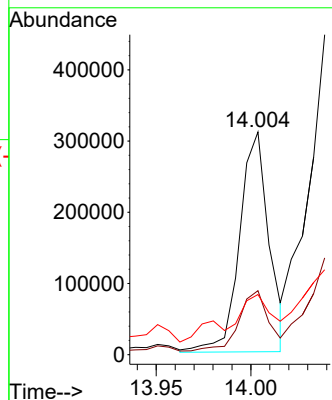
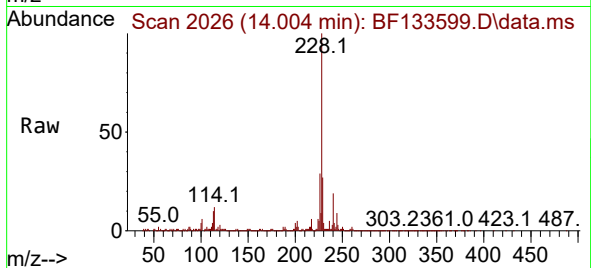
Tgt Ion:228 Resp: 333286

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

229 27.0 16.1 24.1#



#83

Chrysene

Concen: 45.300 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

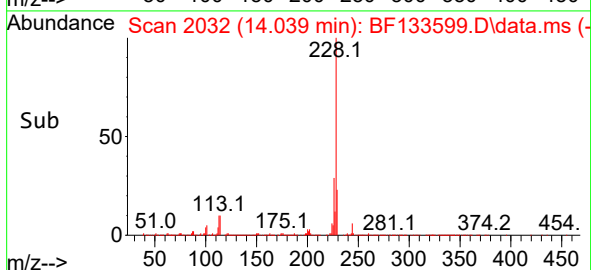
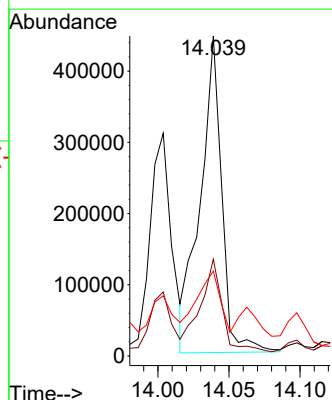
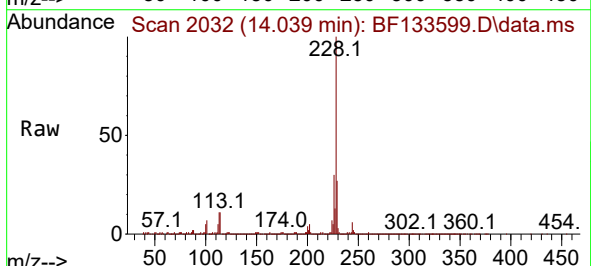
Tgt Ion:228 Resp: 469299

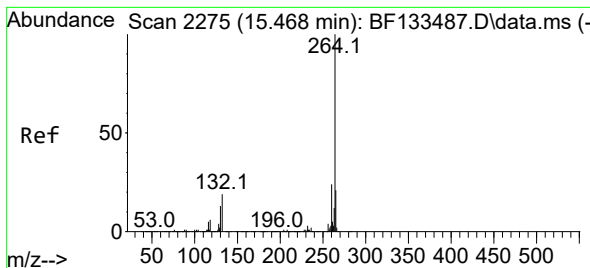
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 26.6 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

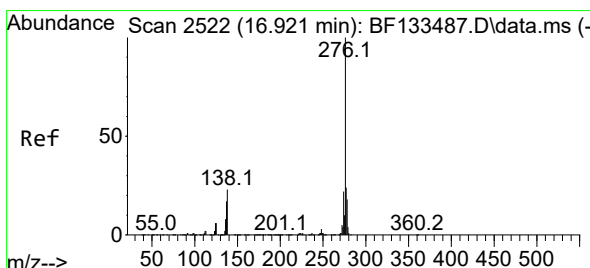
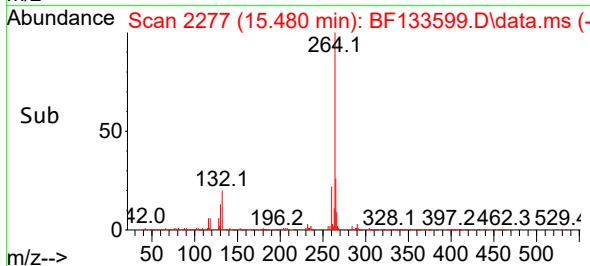
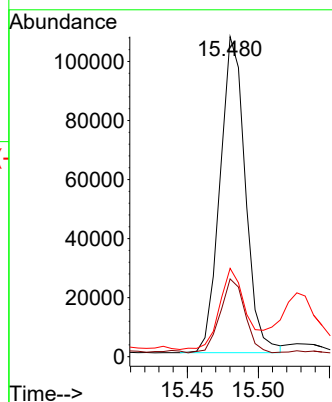
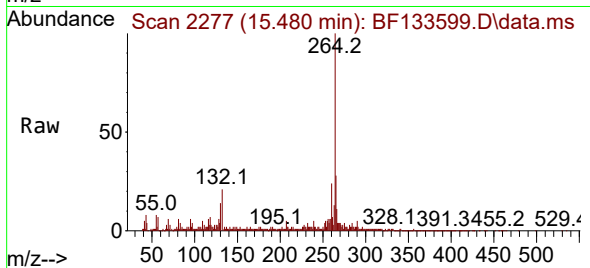
Tgt Ion:264 Resp: 132853

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 27.6 16.8 25.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.041 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

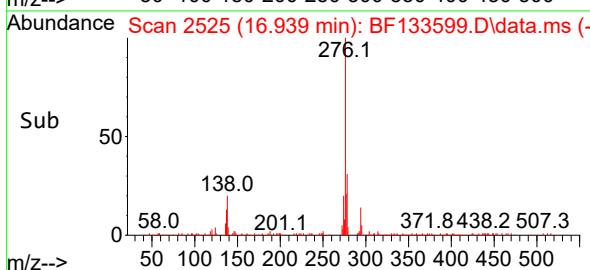
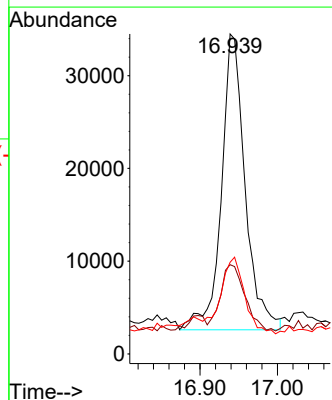
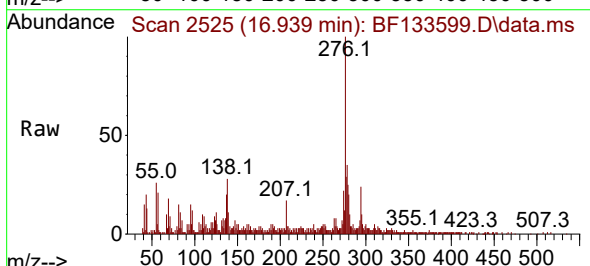
Tgt Ion:276 Resp: 68050

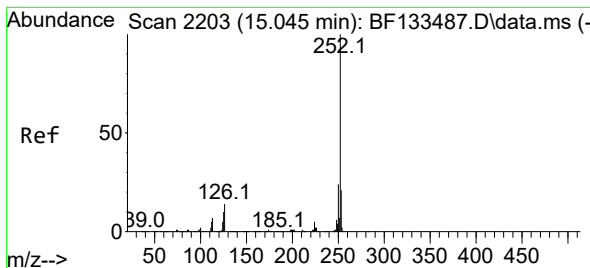
Ion Ratio Lower Upper

276 100

138 23.0 21.4 32.2

277 26.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 27.070 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

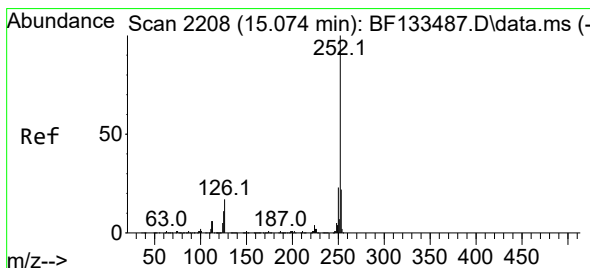
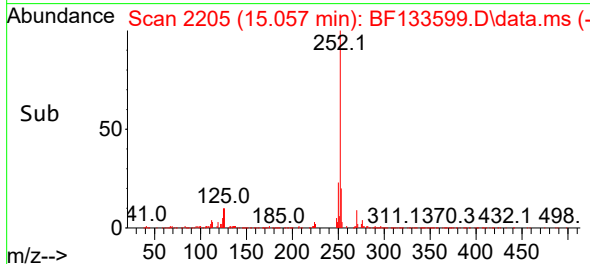
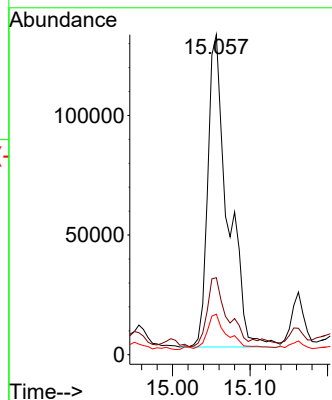
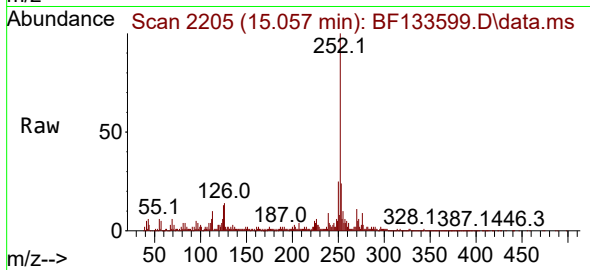
Tgt Ion:252 Resp: 234180

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 12.6 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 27.762 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.018 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

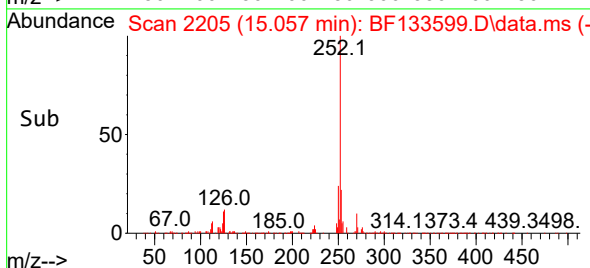
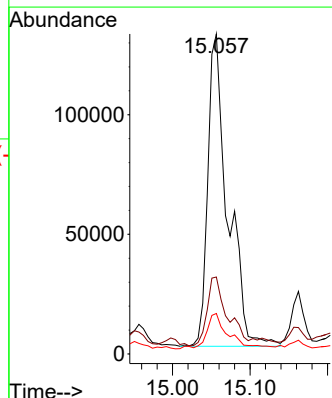
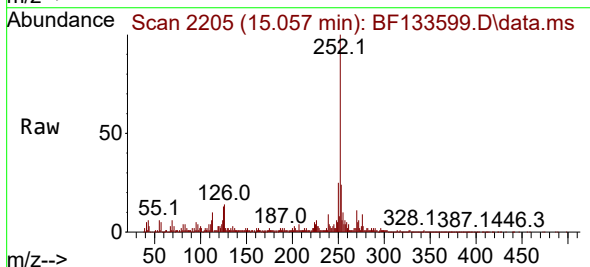
Tgt Ion:252 Resp: 234180

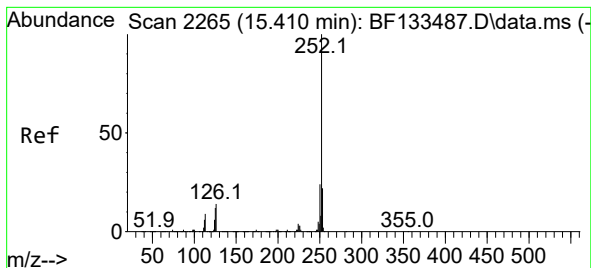
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 12.6 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 27.507 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

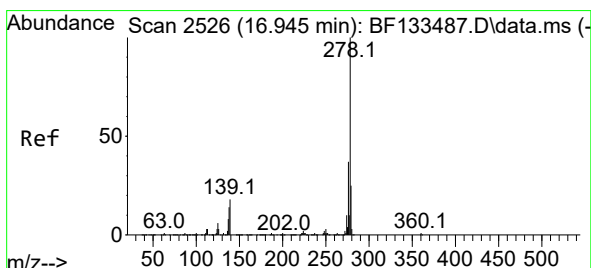
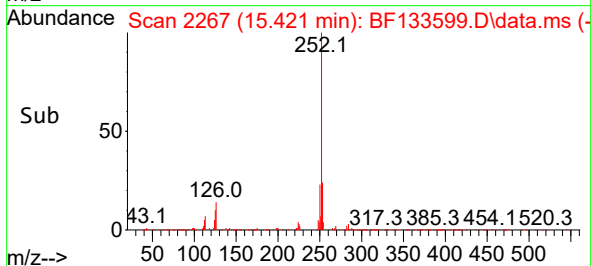
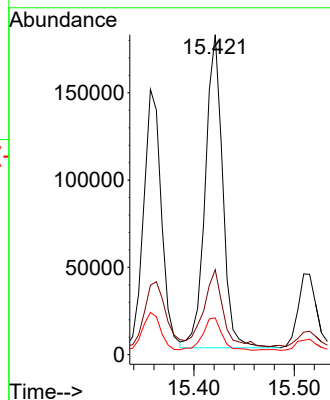
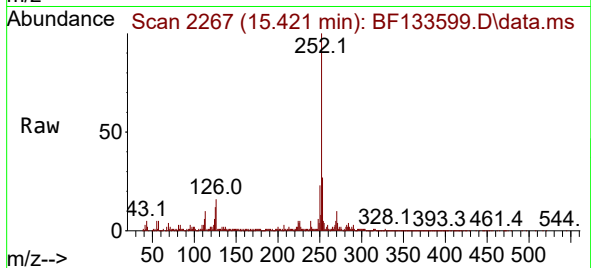
Tgt Ion:252 Resp: 216532

Ion Ratio Lower Upper

252 100

253 26.6 17.4 26.0#

125 11.5 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 4.623 ng

RT: 16.951 min Scan# 2527

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

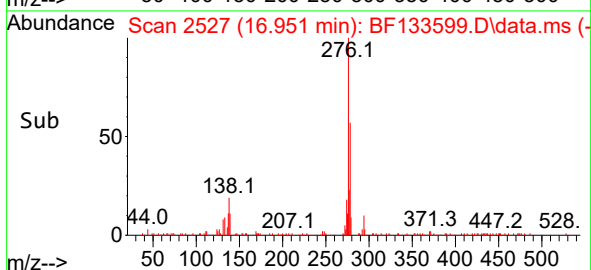
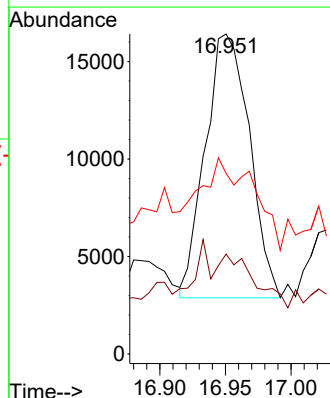
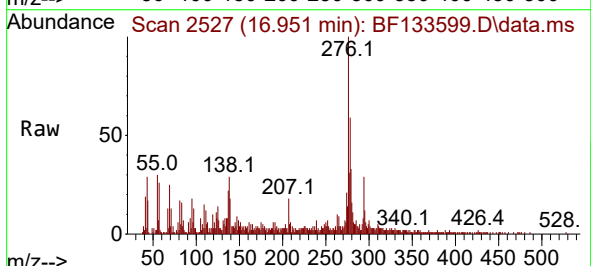
Tgt Ion:278 Resp: 31719

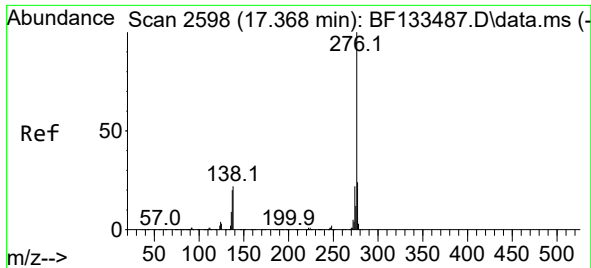
Ion Ratio Lower Upper

278 100

139 31.2 14.1 21.1#

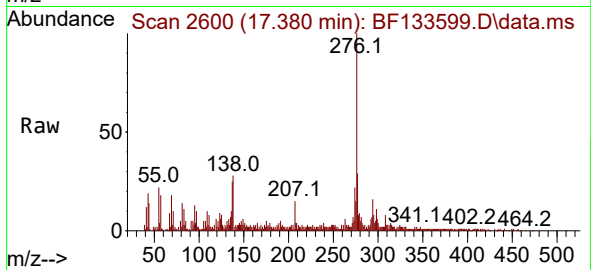
279 56.4 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 11.491 ng
RT: 17.380 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Instrument :
BNA_F
ClientSampleId :
SB05B



Tgt Ion:276 Resp: 79502
Ion Ratio Lower Upper
276 100
277 29.4 18.8 28.2#
138 28.3 17.8 26.6#

