

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133602.D
 Acq On : 06 Jun 2023 20:54
 Operator : CG\JU
 Sample : 03002-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB04

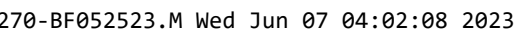
Quant Time: Jun 07 04:02:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

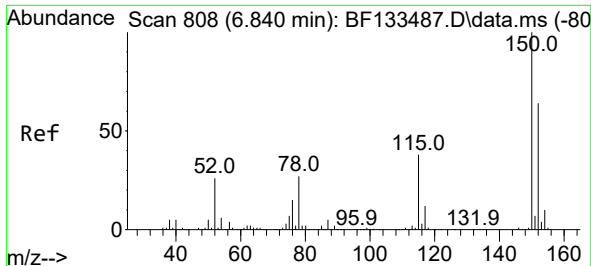
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	122665	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	434773	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	175450	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	296135	20.000	ng	0.00
76) Chrysene-d12	14.010	240	150027	20.000	ng	0.00
86) Perylene-d12	15.480	264	129891	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	610492	83.038	ng	0.00
7) Phenol-d6	6.463	99	726279	80.249	ng	0.00
23) Nitrobenzene-d5	7.398	82	438323	67.314	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	146180	83.583	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	759201	66.787	ng	0.00
79) Terphenyl-d14	12.957	244	607985	72.053	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	6.381	77	849	Below Cal	#	56
19) n-Nitroso-di-n-propyla...	7.398	70	60277	10.294	ng	# 75
25) Isophorone	7.398	82	438318	28.882	ng	# 65
32) Benzoic acid	8.122	122	56	7.360	ng	# 1
48) 2-Nitroaniline	9.475	65	66	4.009	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	22792	12.658	ng	# 18
53) 3-Nitroaniline	9.833	138	125	3.219	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	22792	11.804	ng	# 15
62) 4-Nitroaniline	10.428	138	264	3.068	ng	# 19
63) Azobenzene	10.592	77	71710	5.596	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	343	8.943	ng	# 1
66) n-Nitrosodiphenylamine	10.533	169	27241	2.833	ng	98
67) 4-Bromophenyl-phenylether	10.663	248	8573	2.726	ng	# 1
92) Benzo(g,h,i)perylene	17.345	276	22029	3.257	ng	# 67

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

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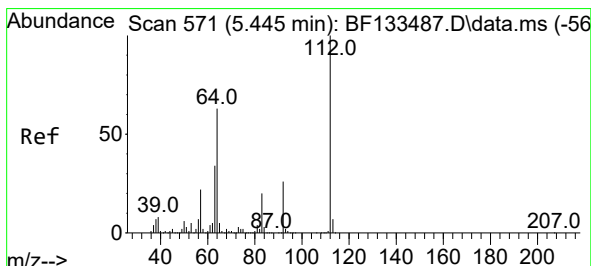
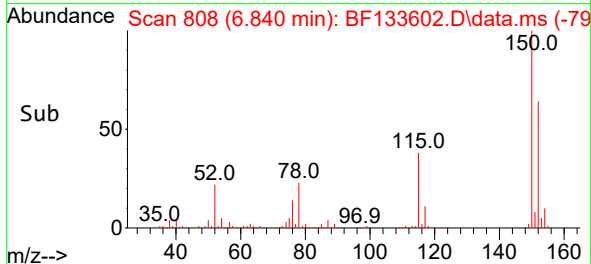
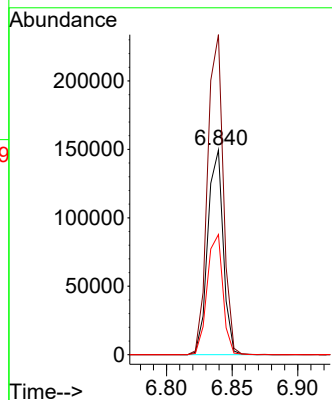
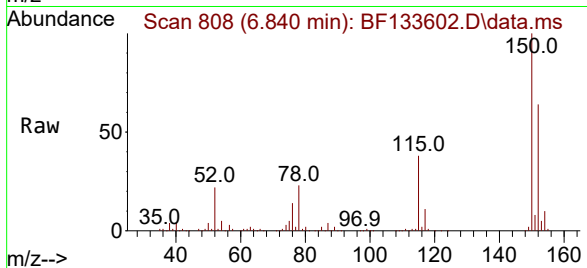




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. 0.006 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

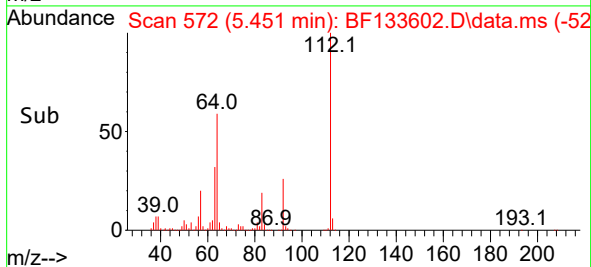
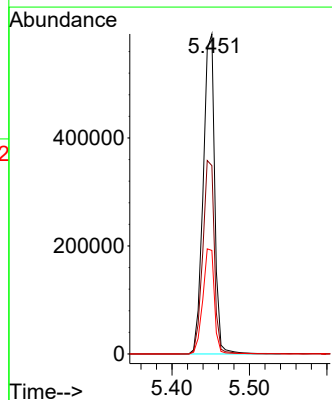
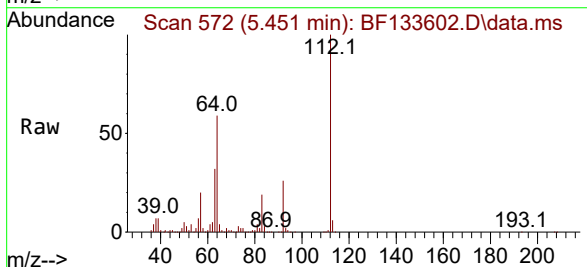
Instrument :
BNA_F
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SB04

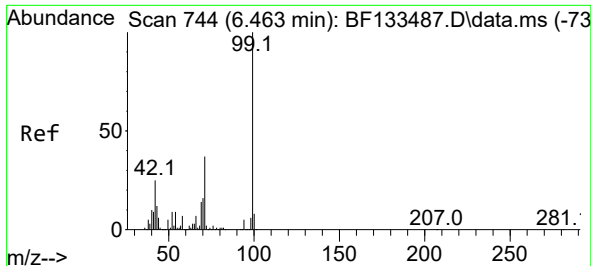
Tgt Ion:152 Resp: 122665
Ion Ratio Lower Upper
152 100
150 156.4 124.9 187.3
115 58.7 48.1 72.1



#5
2-Fluorophenol
Concen: 83.038 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion:112 Resp: 610492
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 32.4 27.5 41.3

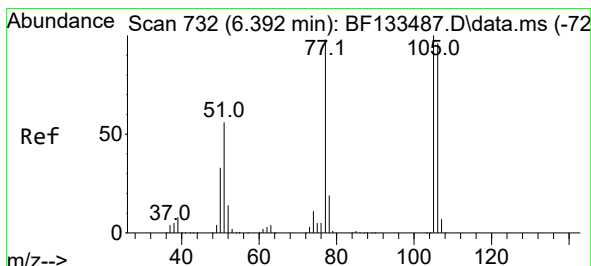
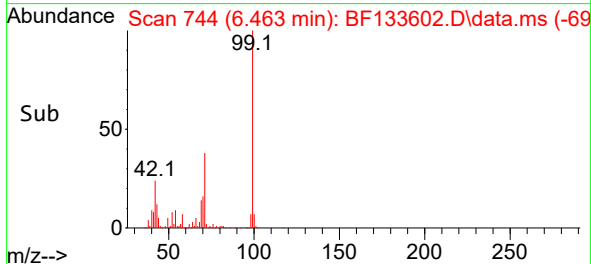
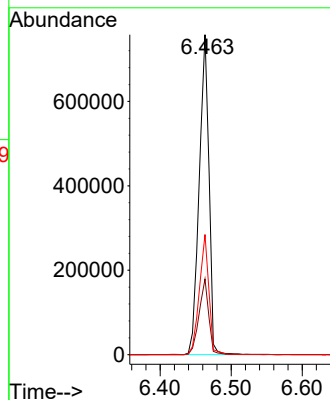
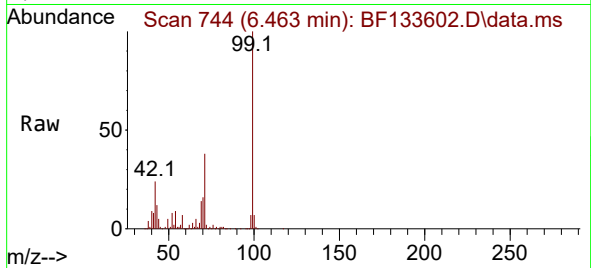




#7
Phenol-d6
Concen: 80.249 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

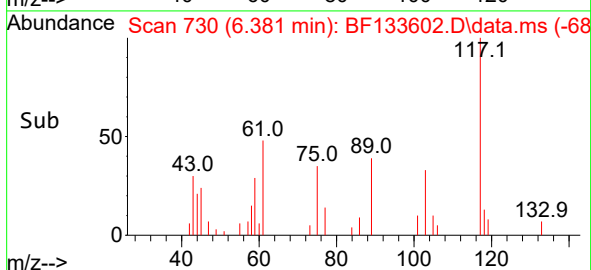
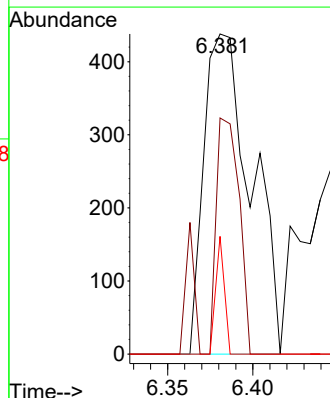
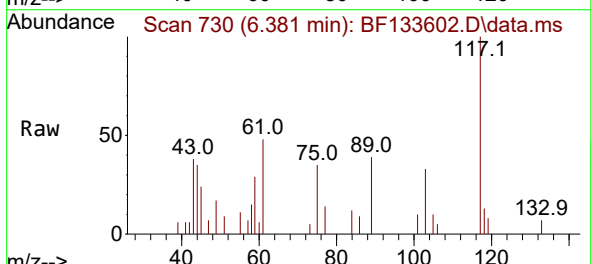
Instrument :
BNA_F
ClientSampleId :
SB04

Tgt Ion: 99 Resp: 726279
Ion Ratio Lower Upper
99 100
42 23.7 19.7 29.5
71 37.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion: 77 Resp: 849
Ion Ratio Lower Upper
77 100
105 73.7 81.9 121.9#
106 36.8 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 10.294 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

Tgt Ion: 70 Resp: 60277

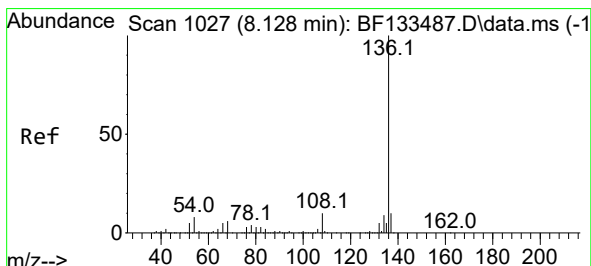
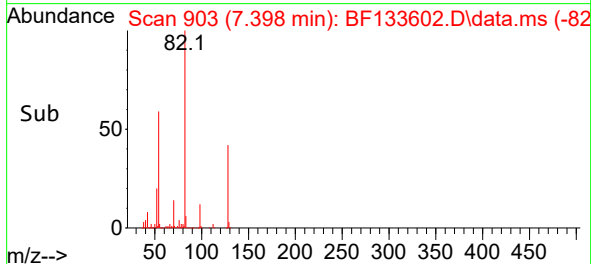
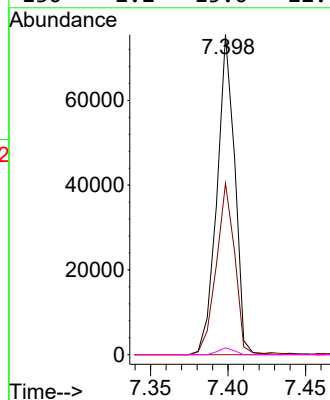
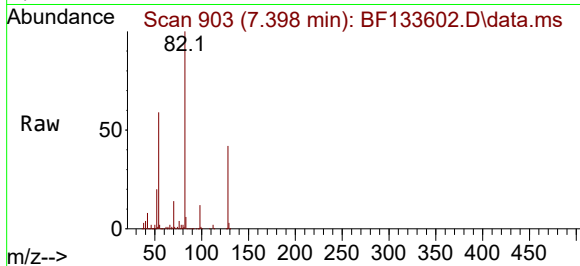
Ion Ratio Lower Upper

70 100

42 53.5 57.2 85.8#

101 0.0 7.3 10.9#

130 2.2 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: BF133602.D

Acq: 06 Jun 2023 20:54

Tgt Ion: 136 Resp: 434773

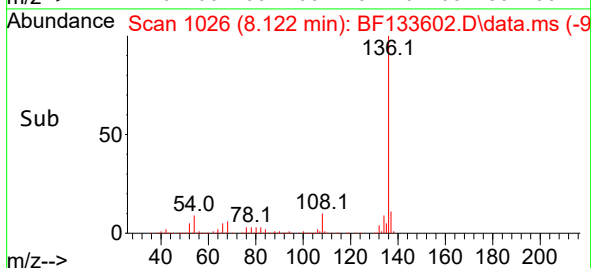
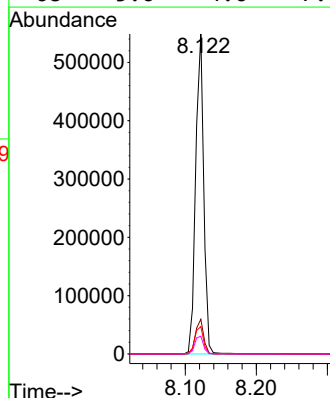
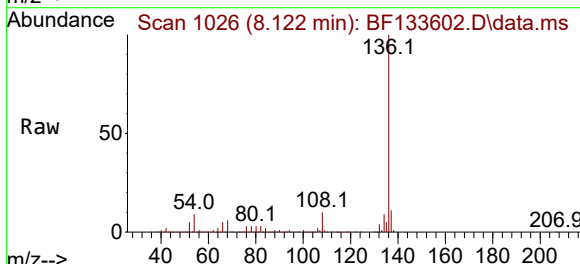
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.6 6.6 10.0

68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 67.314 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

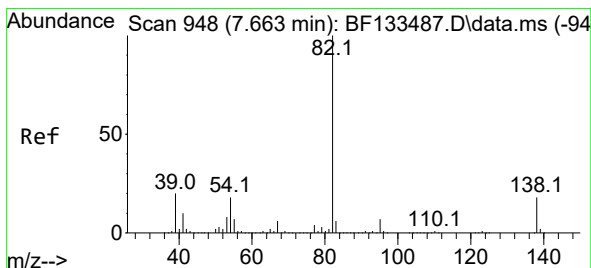
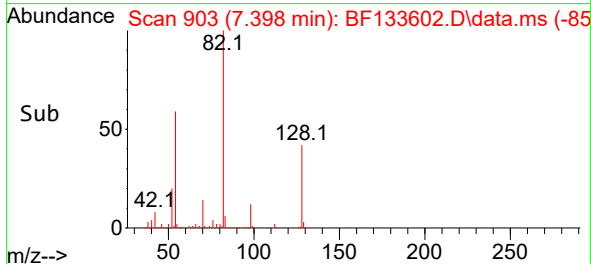
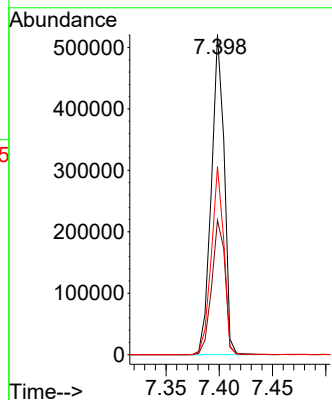
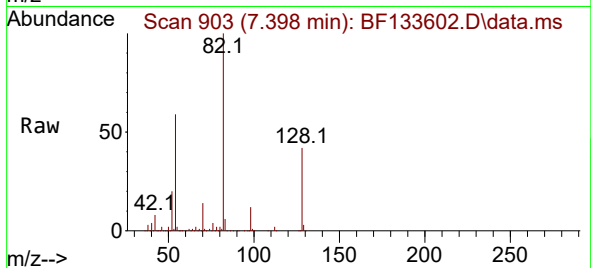
Tgt Ion: 82 Resp: 438323

Ion Ratio Lower Upper

82 100

128 42.0 34.2 51.4

54 58.7 48.2 72.4



#25

Isophorone

Concen: 28.882 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

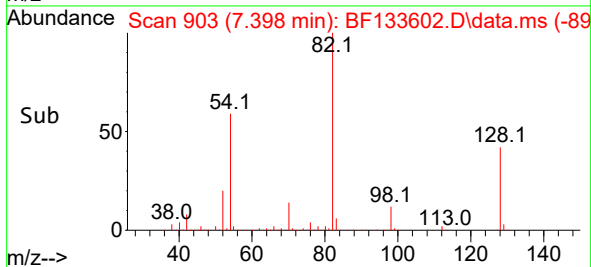
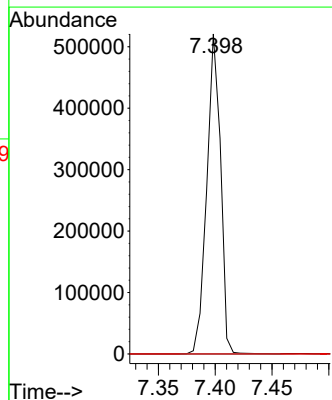
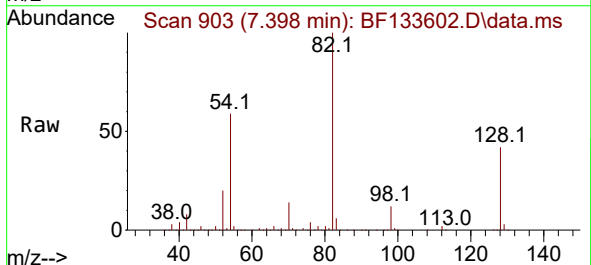
Tgt Ion: 82 Resp: 438318

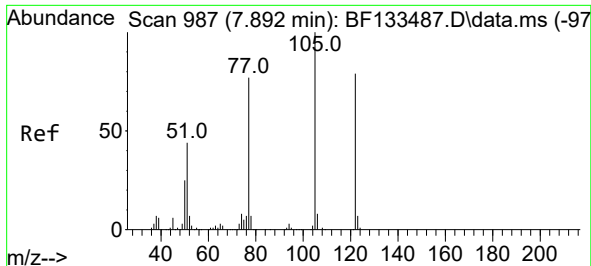
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

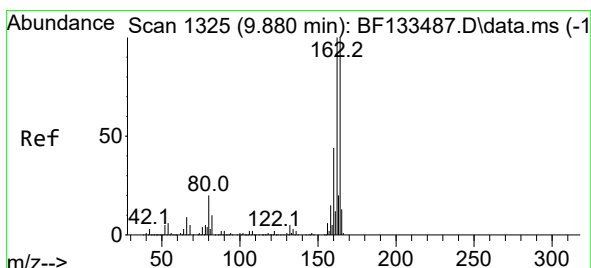
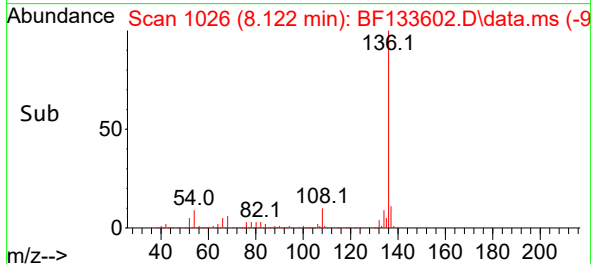
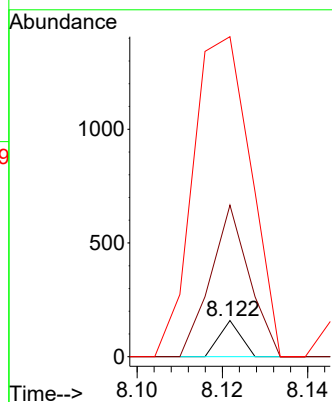
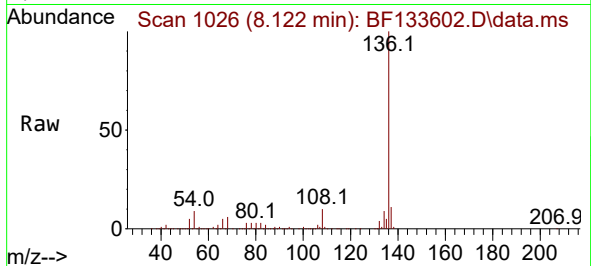




#32
Benzoic acid
Concen: 7.360 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.235 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

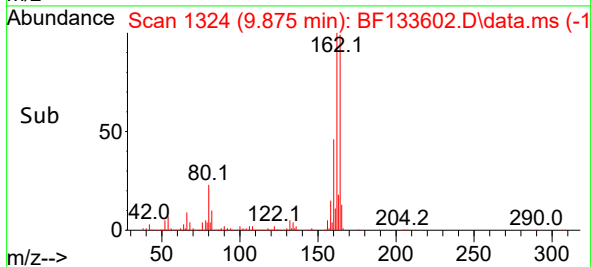
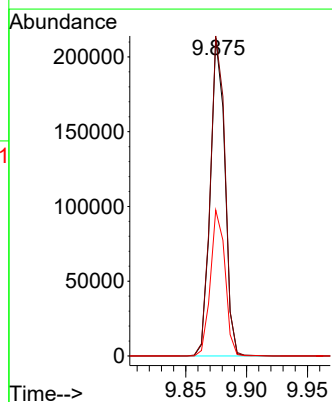
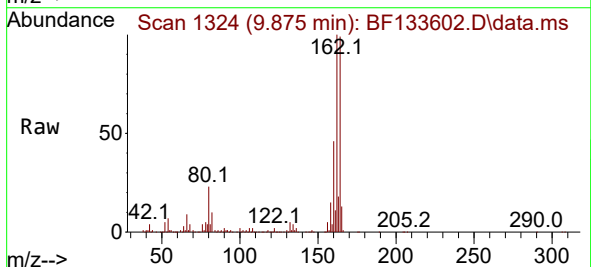
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ClientSampleId :
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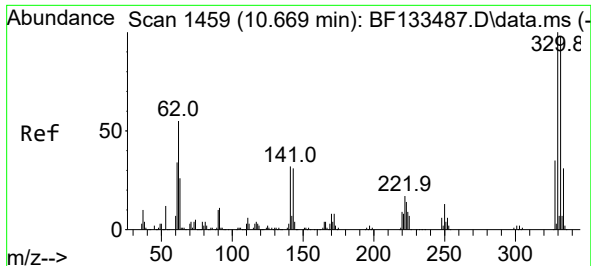
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 418.9 103.3 143.3#
77 884.9 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion:164 Resp: 175450
Ion Ratio Lower Upper
164 100
162 100.7 79.7 119.5
160 45.9 35.4 53.0

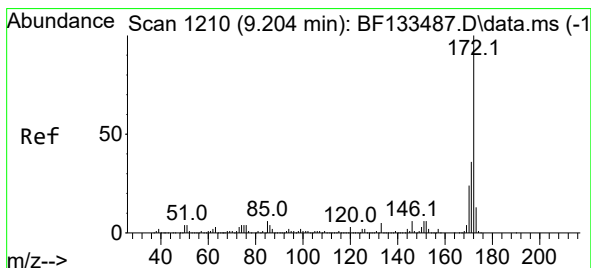
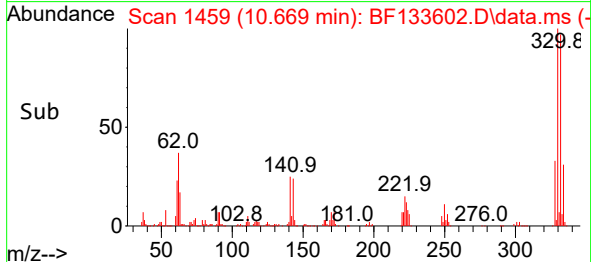
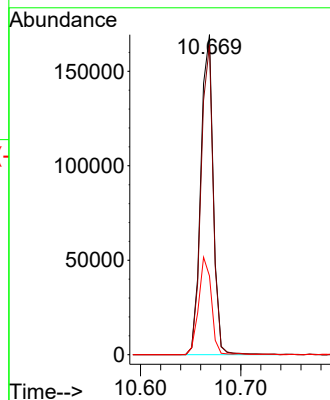
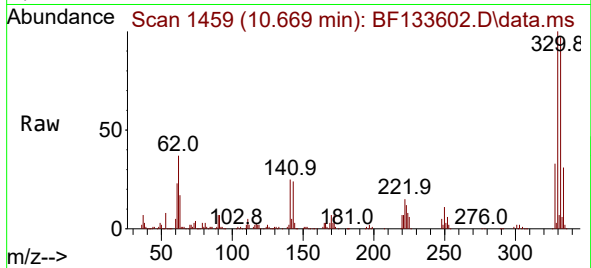




#42
2,4,6-Tribromophenol
Concen: 83.583 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

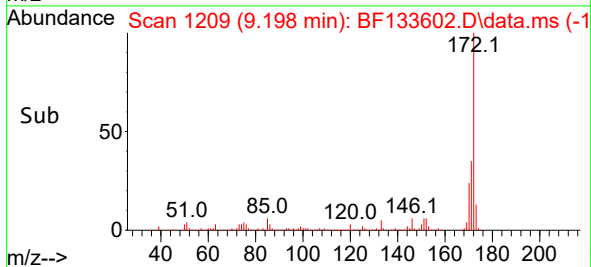
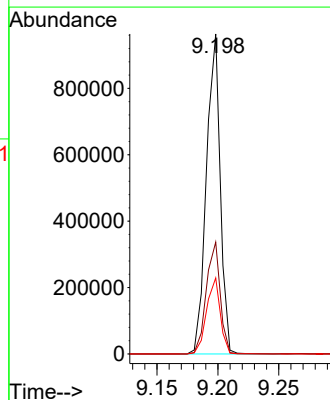
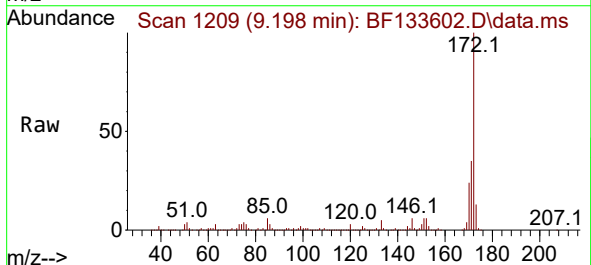
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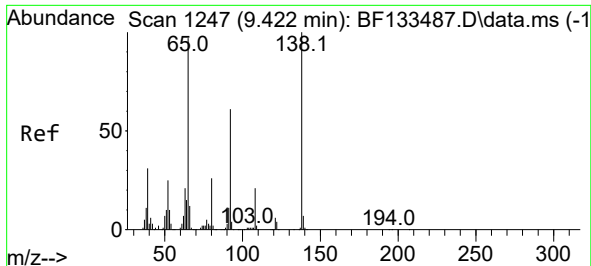
Tgt Ion:330 Resp: 146180
Ion Ratio Lower Upper
330 100
332 95.8 77.8 116.6
141 31.3 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 66.787 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion:172 Resp: 759201
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.3 28.9

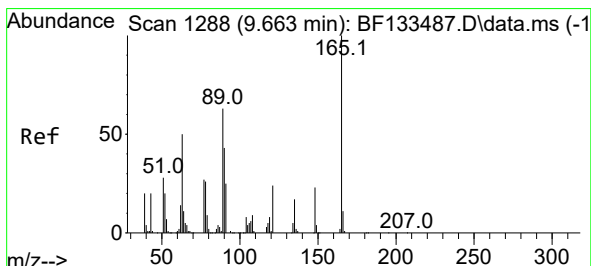
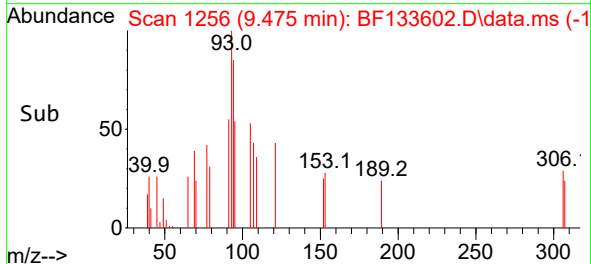
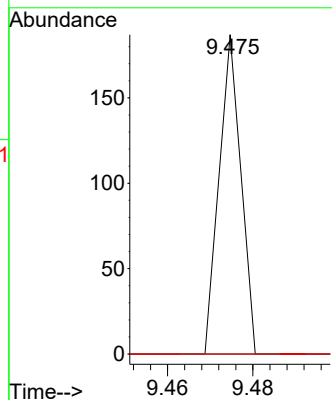
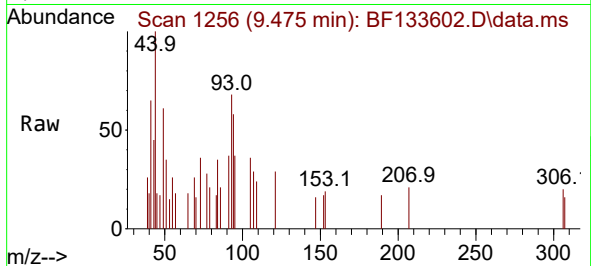




#48
2-Nitroaniline
Concen: 4.009 ng
RT: 9.475 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

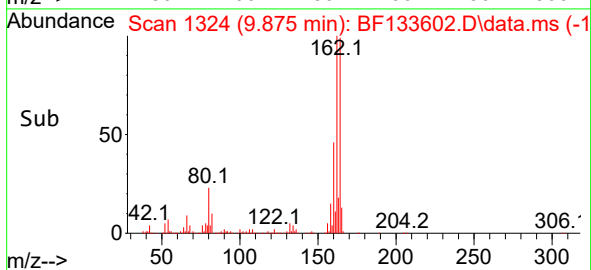
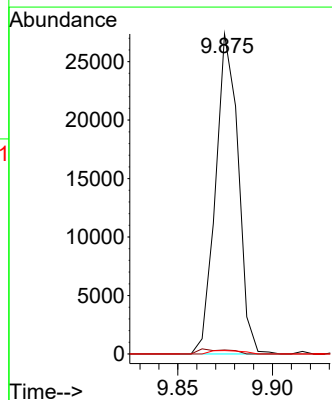
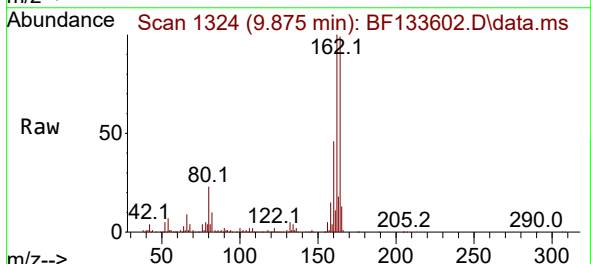
Instrument :
BNA_F
ClientSampleId :
SB04

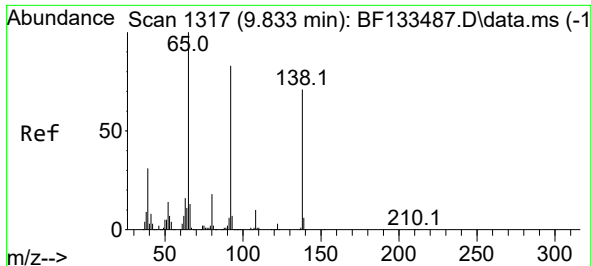
Tgt Ion: 65 Resp: 66
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.658 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion: 165 Resp: 22792
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.1 50.8 76.2#

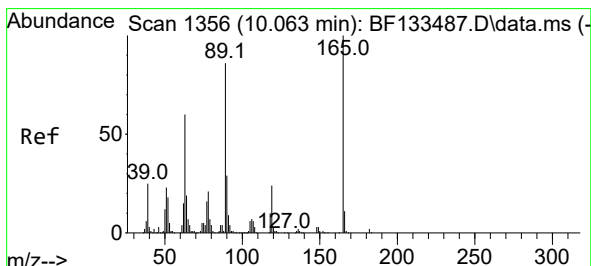
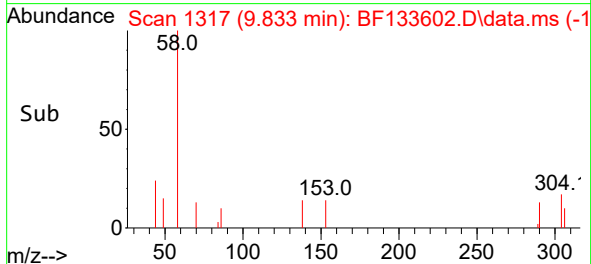
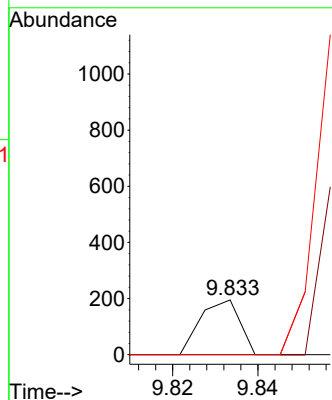
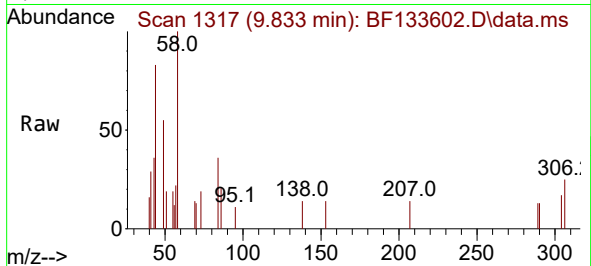




#53
3-Nitroaniline
Concen: 3.219 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

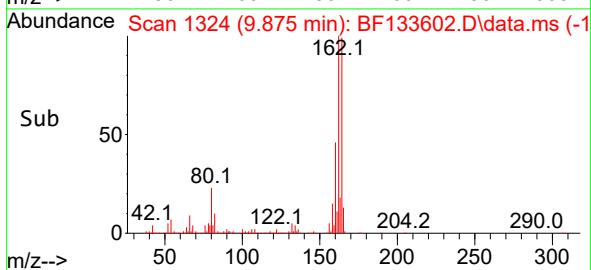
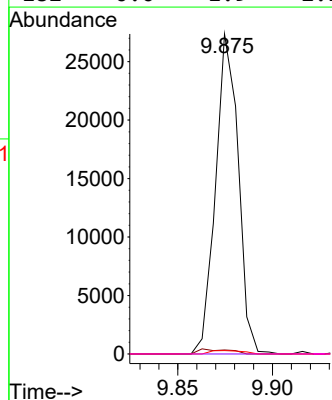
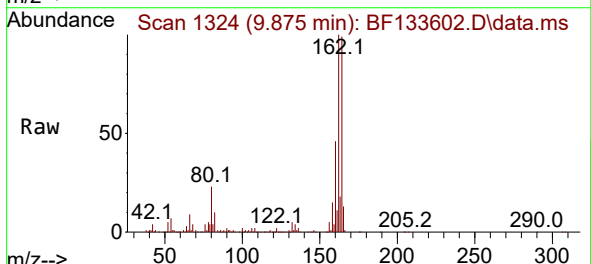
Instrument :
BNA_F
ClientSampleId :
SB04

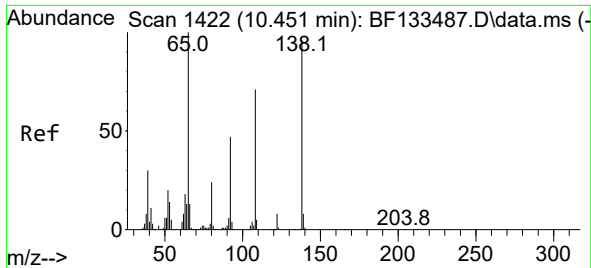
Tgt Ion:138 Resp: 125
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.804 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion:165 Resp: 22792
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.1 68.4 102.6#
182 0.0 1.9 2.9#

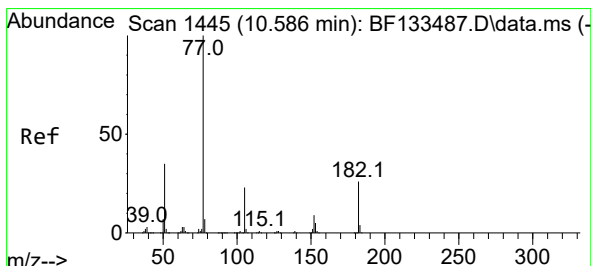
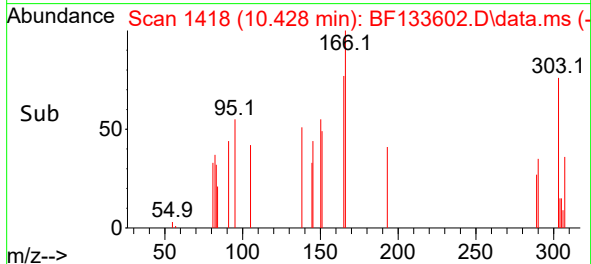
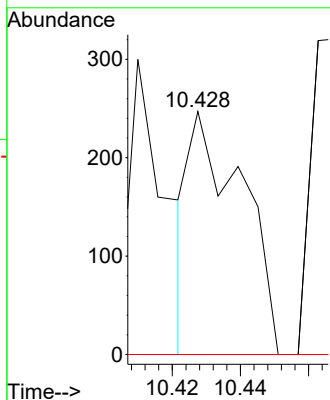
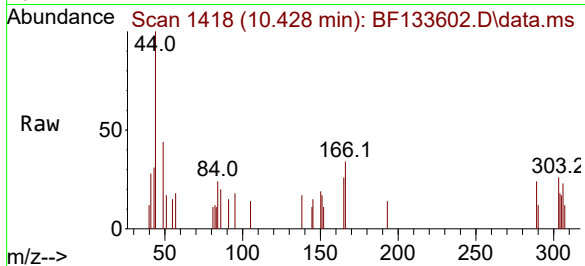




#62
4-Nitroaniline
Concen: 3.068 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.018 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

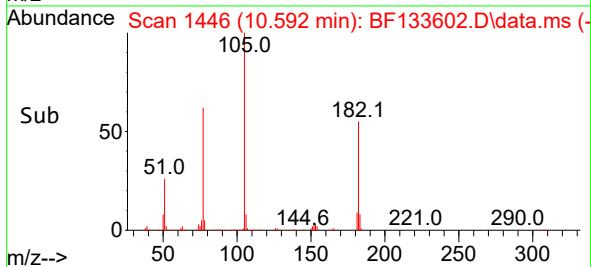
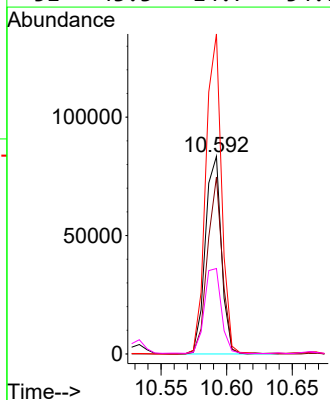
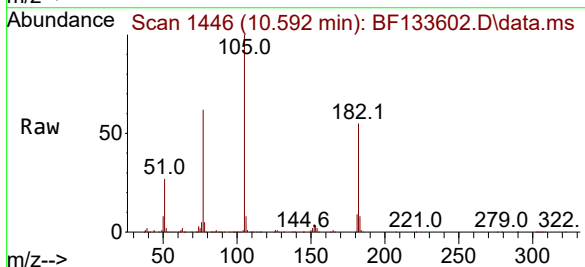
Instrument :
BNA_F
ClientSampleId :
SB04

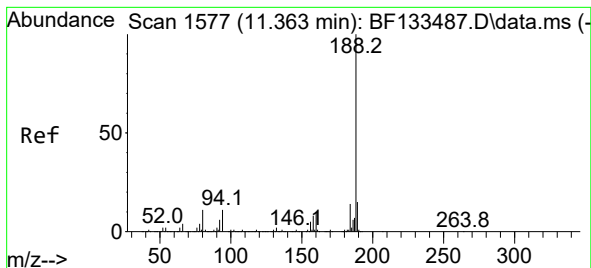
Tgt Ion:138 Resp: 264
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 5.596 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.012 min
Lab File: BF133602.D
Acq: 06 Jun 2023 20:54

Tgt Ion: 77 Resp: 71710
Ion Ratio Lower Upper
77 100
182 89.5 5.6 45.6#
105 162.0 2.6 42.6#
51 43.3 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

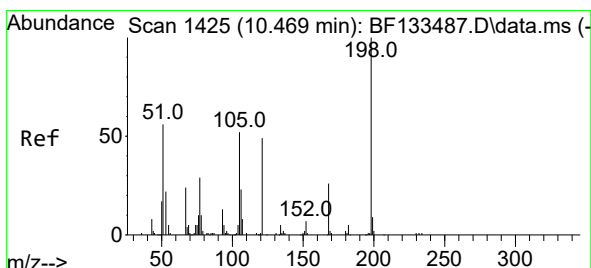
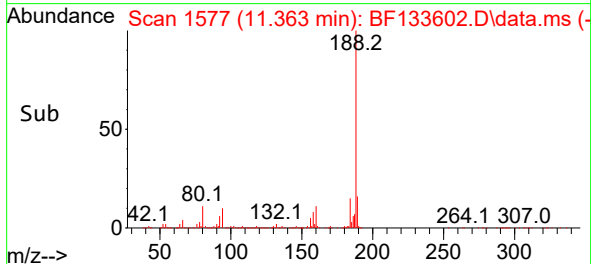
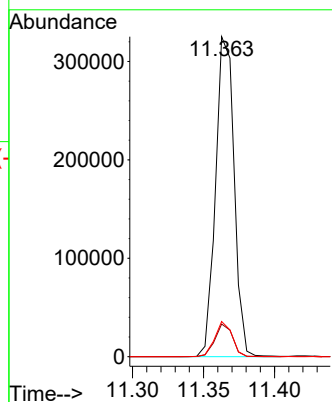
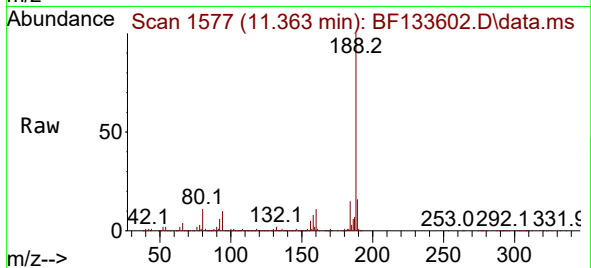
Tgt Ion:188 Resp: 296135

Ion Ratio Lower Upper

188 100

94 10.2 8.6 12.8

80 11.0 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.943 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.188 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

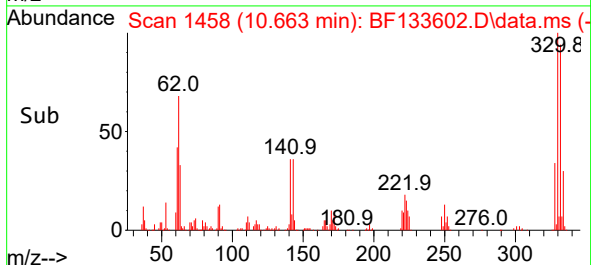
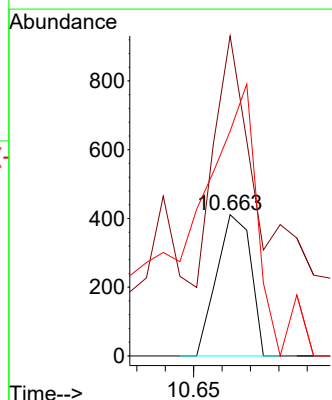
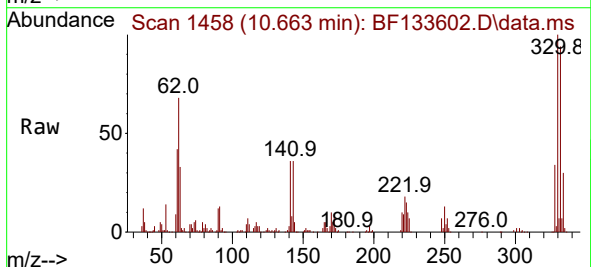
Tgt Ion:198 Resp: 343

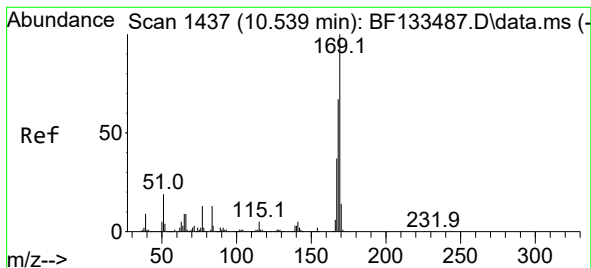
Ion Ratio Lower Upper

198 100

51 226.5 53.6 93.6#

105 159.1 35.9 75.9#





#66

n-Nitrosodiphenylamine

Concen: 2.833 ng

RT: 10.533 min Scan# 1437

Delta R.T. -0.006 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

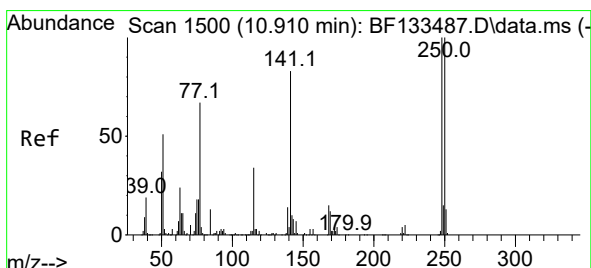
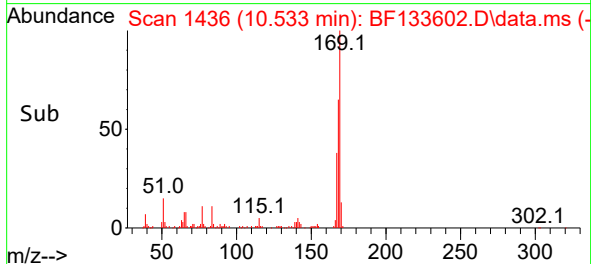
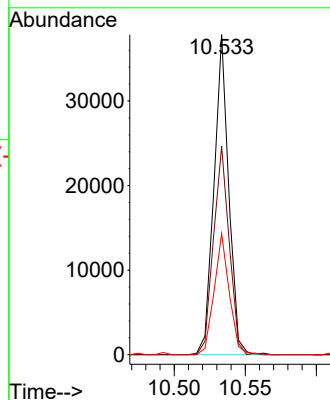
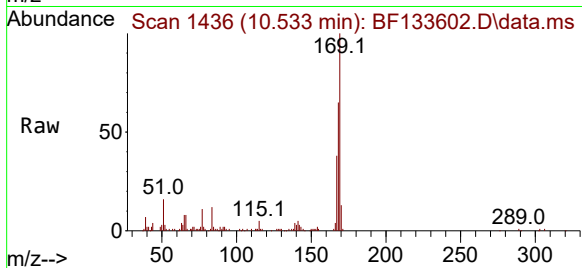
Tgt Ion:169 Resp: 27241

Ion Ratio Lower Upper

169 100

168 65.2 53.7 80.5

167 37.8 29.6 44.4



#67

4-Bromophenyl-phenylether

Concen: 2.726 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

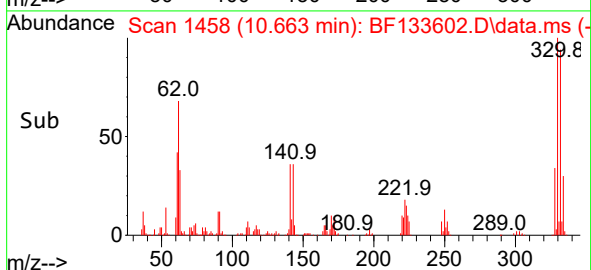
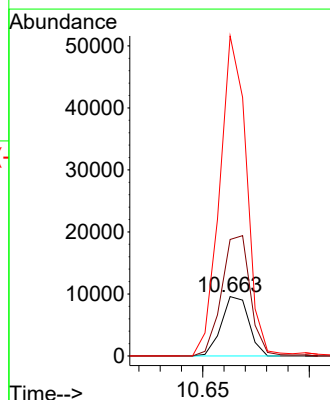
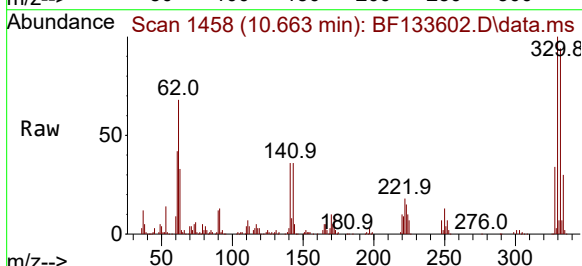
Tgt Ion:248 Resp: 8573

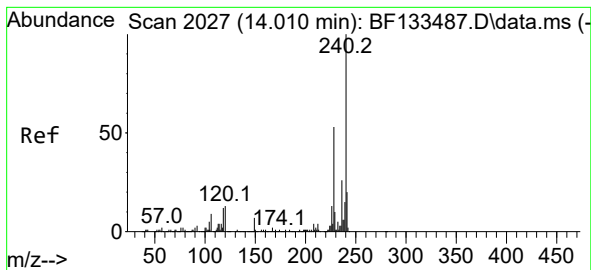
Ion Ratio Lower Upper

248 100

250 196.1 79.7 119.5#

141 538.8 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

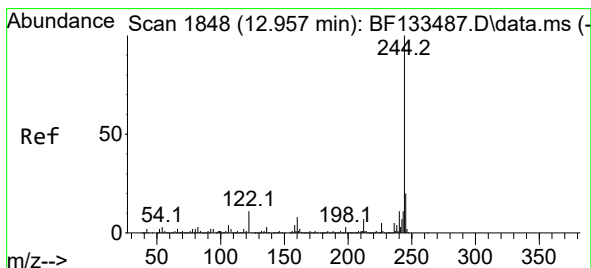
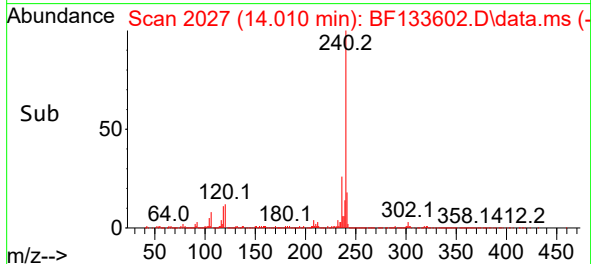
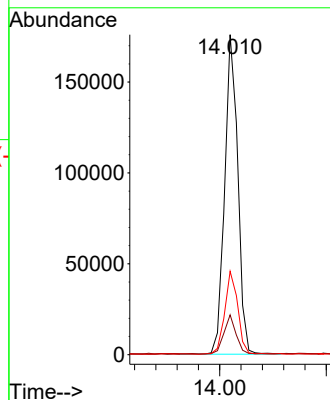
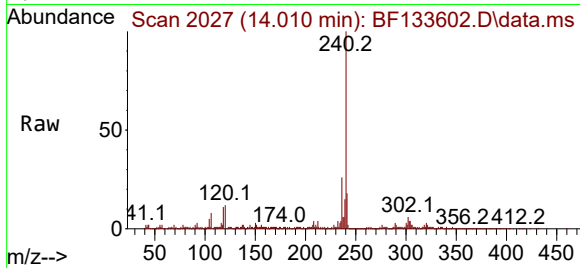
Tgt Ion:240 Resp: 150027

Ion Ratio Lower Upper

240 100

120 12.5 10.3 15.5

236 26.0 20.5 30.7



#79

Terphenyl-d14

Concen: 72.053 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

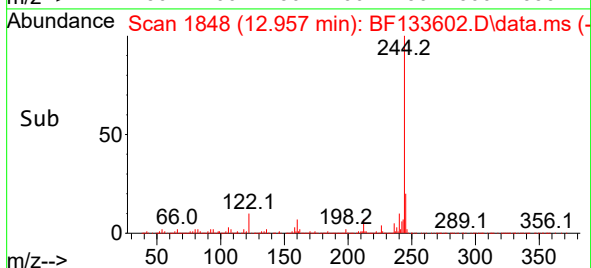
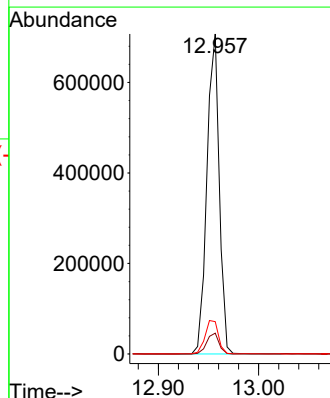
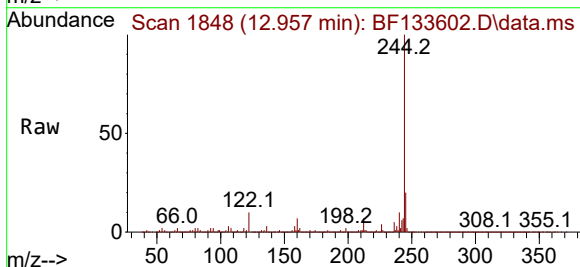
Tgt Ion:244 Resp: 607985

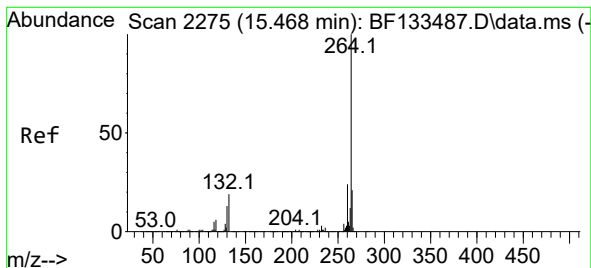
Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

122 10.1 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB04

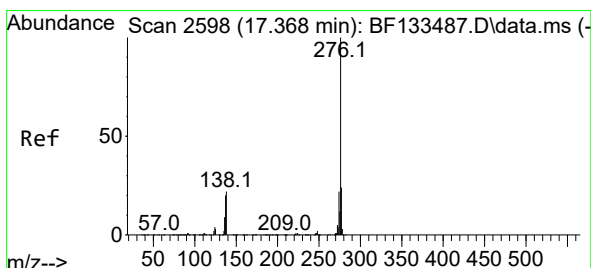
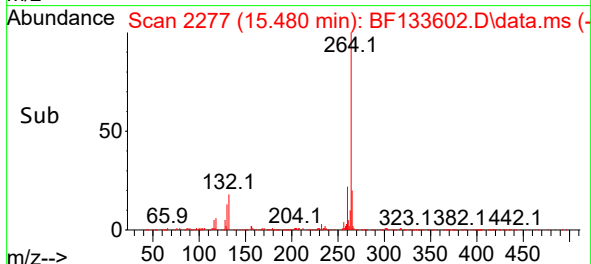
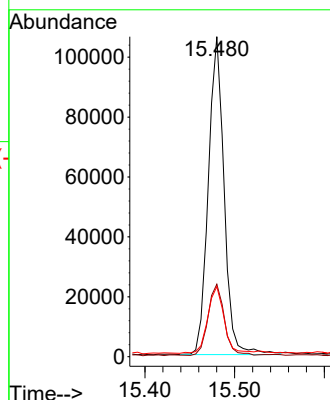
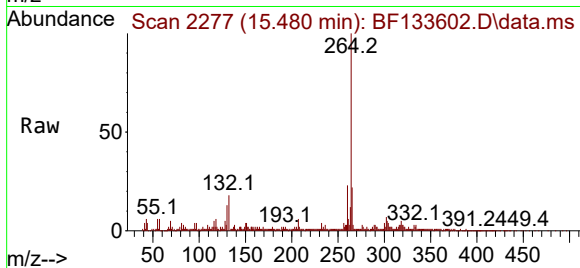
Tgt Ion:264 Resp: 129891

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 21.9 16.8 25.2



#92

Benzo(g,h,i)perylene

Concen: 3.257 ng

RT: 17.345 min Scan# 2594

Delta R.T. -0.029 min

Lab File: BF133602.D

Acq: 06 Jun 2023 20:54

Tgt Ion:276 Resp: 22029

Ion Ratio Lower Upper

276 100

277 34.1 18.8 28.2#

138 43.4 17.8 26.6#

