

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133508.D
 Acq On : 26 May 2023 20:02
 Operator : CG\JU
 Sample : 02945-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP03

Quant Time: May 27 01:11:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

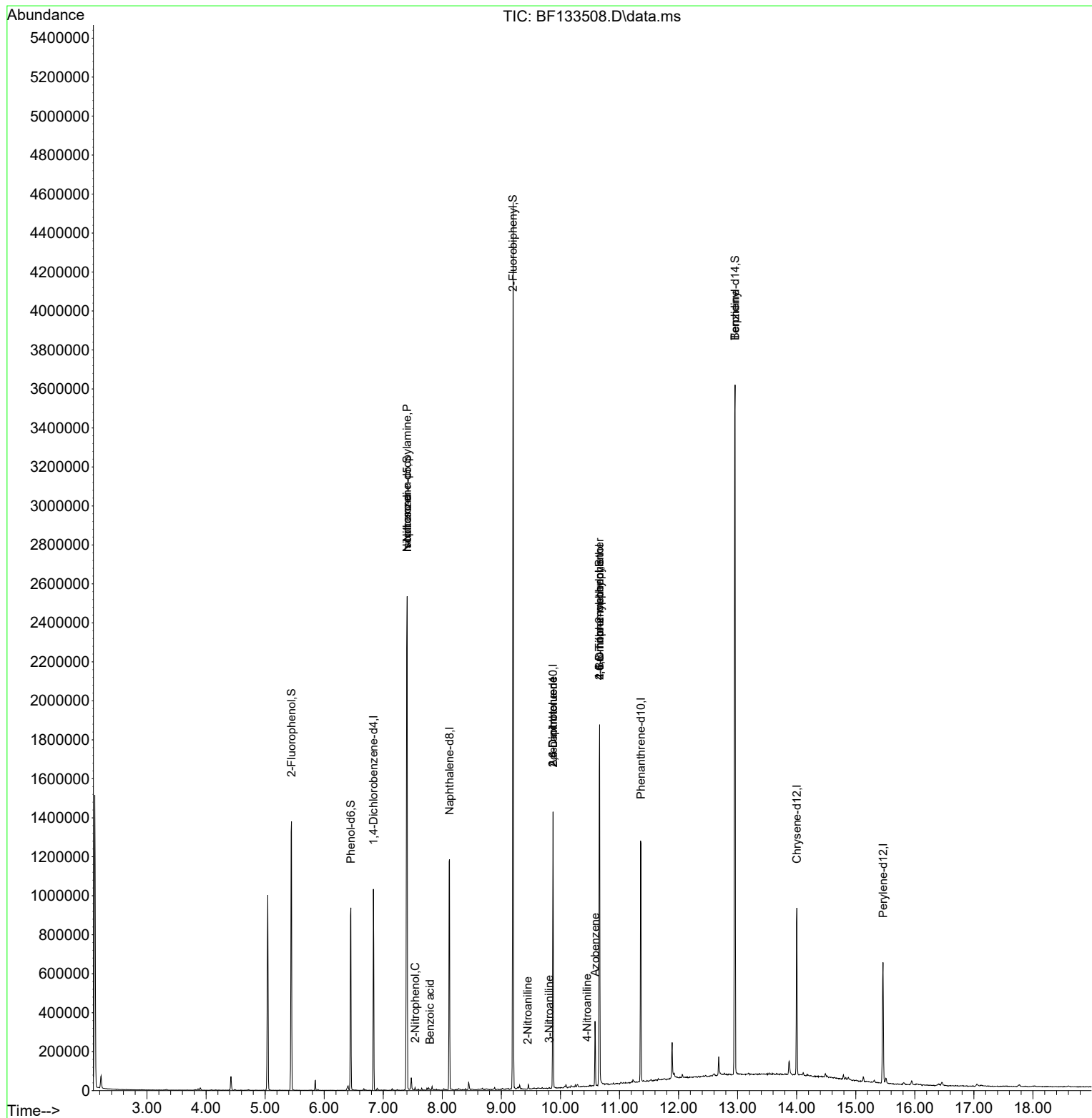
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	135641	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	514593	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	244057	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	462841	20.000	ng	0.00
76) Chrysene-d12	14.004	240	288695	20.000	ng	0.00
86) Perylene-d12	15.462	264	268485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	366195	45.044	ng	0.00
7) Phenol-d6	6.451	99	277584	27.737	ng	-0.01
23) Nitrobenzene-d5	7.404	82	813305	105.527	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	219703	90.309	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1352949	85.562	ng	0.00
79) Terphenyl-d14	12.957	244	1357885	83.628	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	295	Below Cal		84
19) n-Nitroso-di-n-propyla...	7.404	70	113781	17.572 ng	#	77
25) Isophorone	7.404	82	813295	45.278 ng	#	65
26) 2-Nitrophenol	7.539	139	96	4.765 ng	#	1
32) Benzoic acid	7.792	122	485	7.431 ng		86
48) 2-Nitroaniline	9.445	65	111	4.013 ng	#	6
51) 2,6-Dinitrotoluene	9.875	165	30483	12.312 ng	#	18
53) 3-Nitroaniline	9.810	138	54	3.192 ng	#	1
57) 2,4-Dinitrotoluene	9.875	165	30483	11.532 ng	#	15
62) 4-Nitroaniline	10.451	138	54	2.997 ng	#	1
63) Azobenzene	10.586	77	51420	2.885 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.663	198	560	8.954 ng	#	1
67) 4-Bromophenyl-phenylether	10.663	248	13861	2.820 ng	#	1
77) Benzidine	12.957	184	20395	2.415 ng	#	93

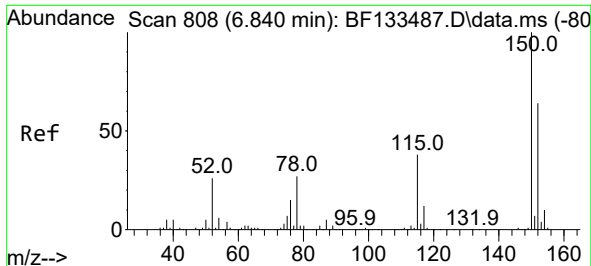
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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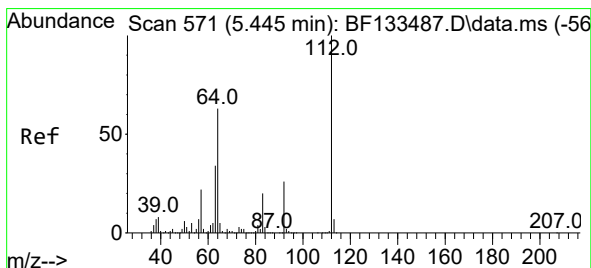
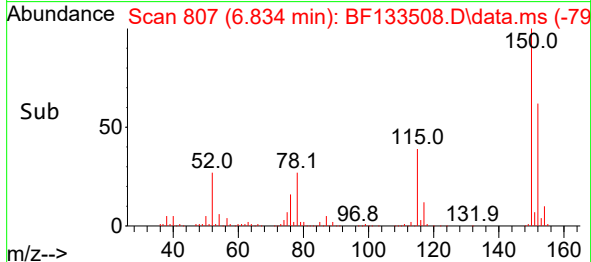
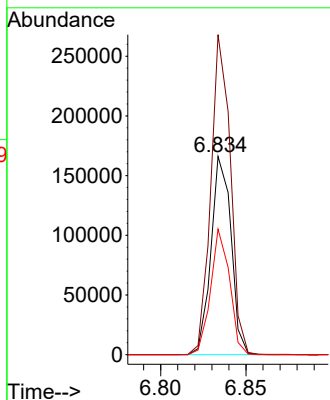
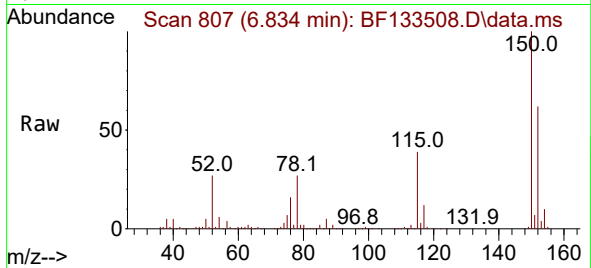




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

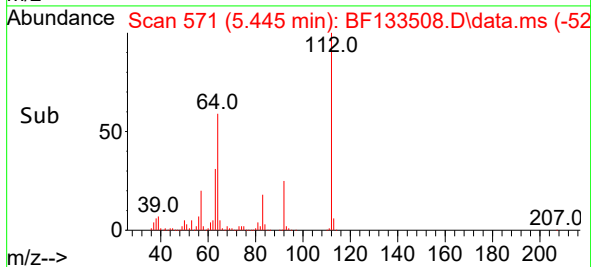
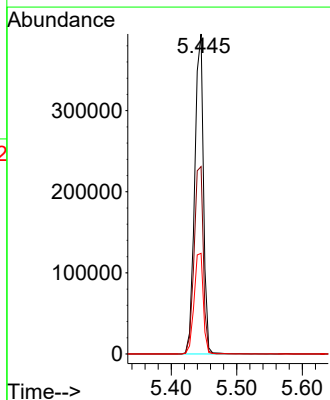
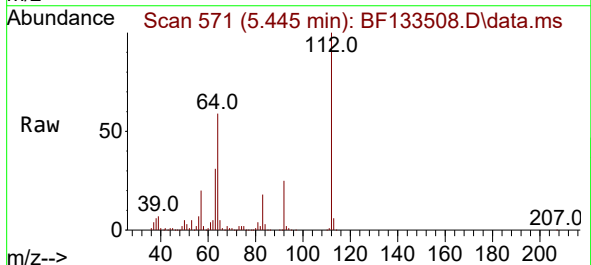
Instrument :
BNA_F
ClientSampleId :
TWP03

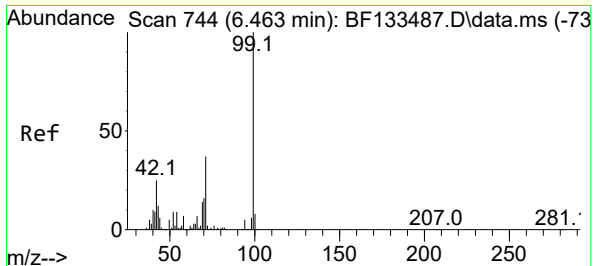
Tgt Ion:152 Resp: 135641
Ion Ratio Lower Upper
152 100
150 161.4 124.9 187.3
115 63.4 48.1 72.1



#5
2-Fluorophenol
Concen: 45.044 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion:112 Resp: 366195
Ion Ratio Lower Upper
112 100
64 58.6 50.1 75.1
63 31.5 27.5 41.3

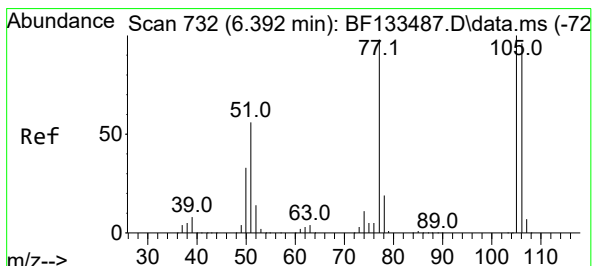
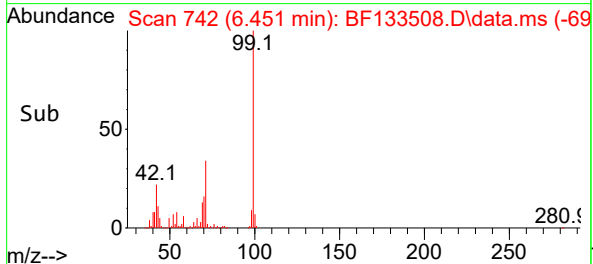
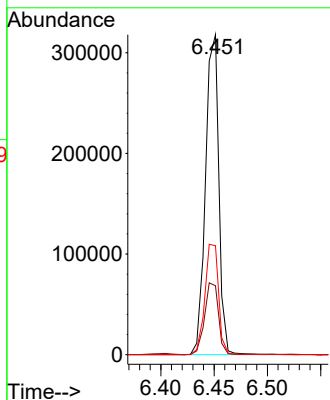
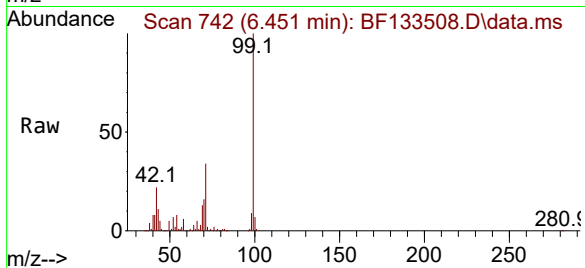




#7
Phenol-d6
Concen: 27.737 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

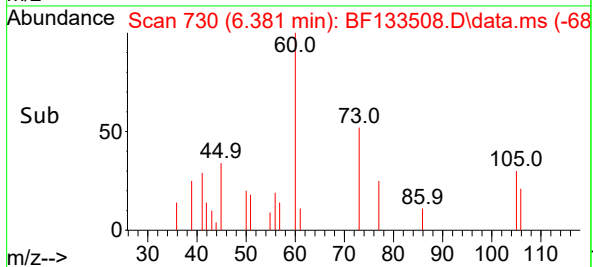
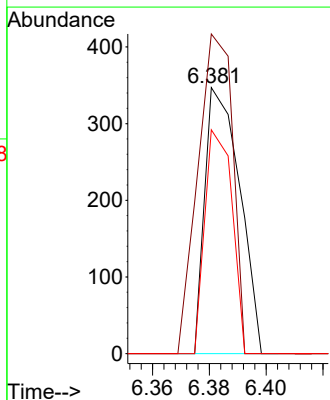
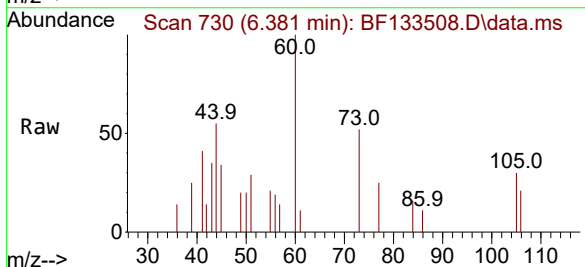
Instrument :
BNA_F
ClientSampleId :
TWP03

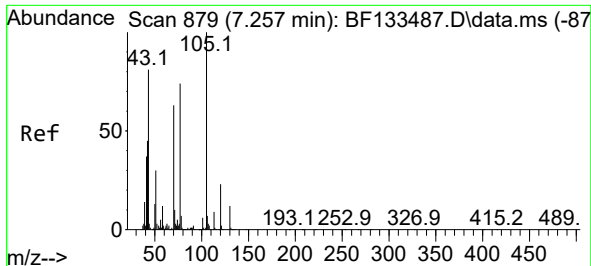
Tgt Ion: 99 Resp: 277584
Ion Ratio Lower Upper
99 100
42 21.5 19.7 29.5
71 34.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion: 77 Resp: 295
Ion Ratio Lower Upper
77 100
105 120.2 81.9 121.9
106 84.1 77.8 117.8

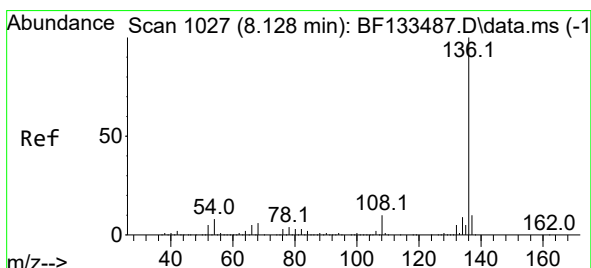
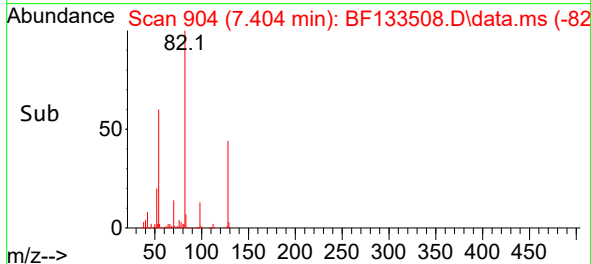
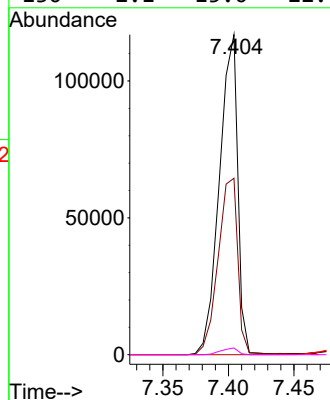
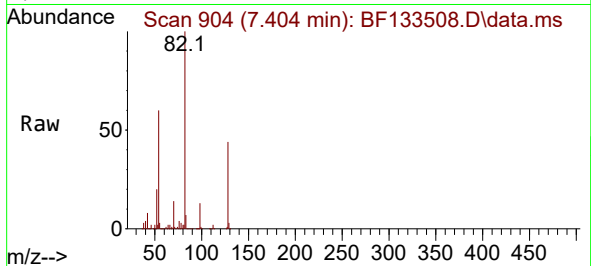




#19
n-Nitroso-di-n-propylamine
Concen: 17.572 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

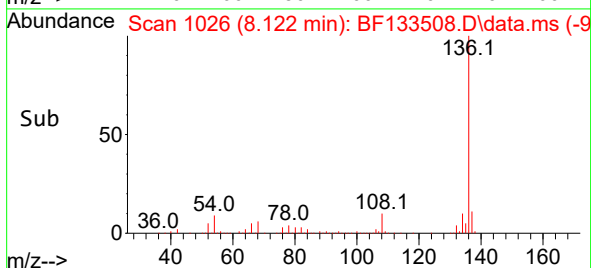
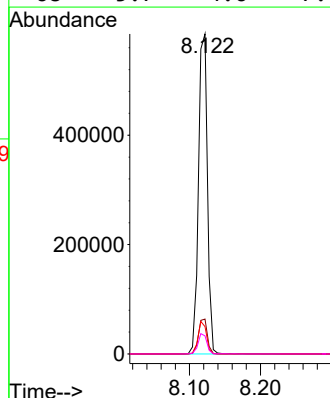
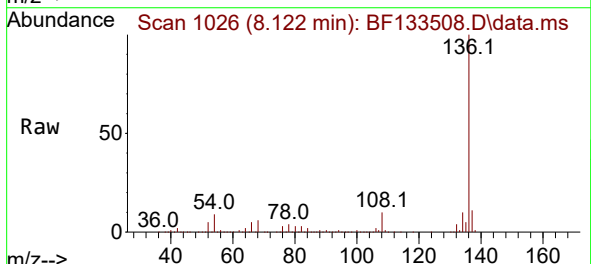
Instrument :
BNA_F
ClientSampleId :
TWP03

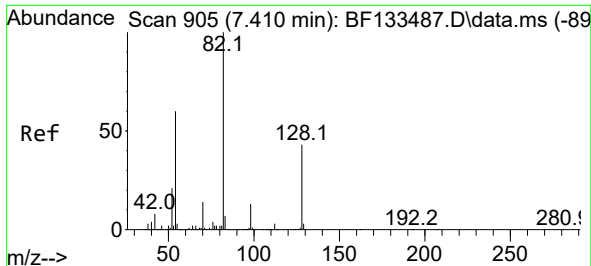
Tgt Ion: 70 Resp: 113781
Ion Ratio Lower Upper
70 100
42 55.2 57.2 85.8#
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion: 136 Resp: 514593
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 8.6 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 105.527 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Instrument :

BNA_F

ClientSampleId :

TWP03

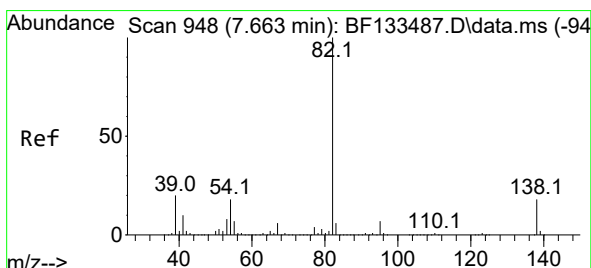
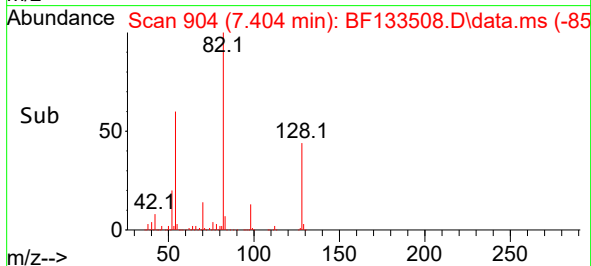
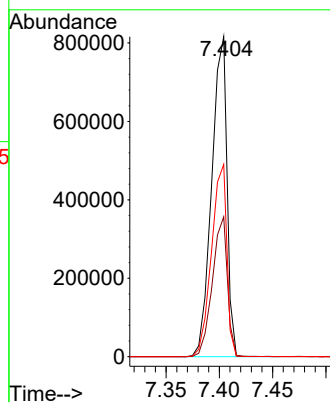
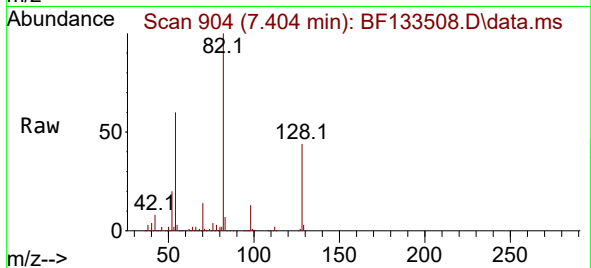
Tgt Ion: 82 Resp: 813305

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.4

54 60.1 48.2 72.4



#25

Isophorone

Concen: 45.278 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

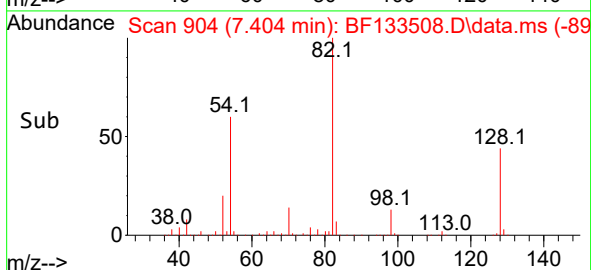
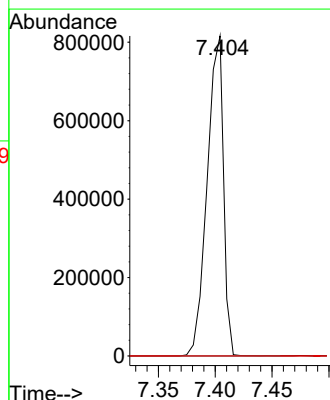
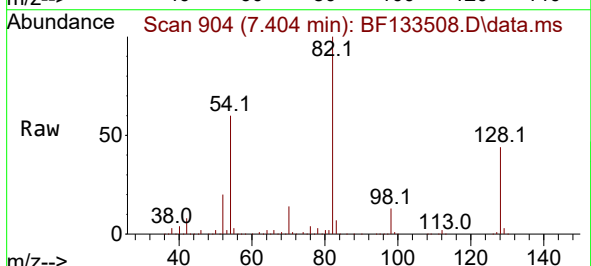
Tgt Ion: 82 Resp: 813295

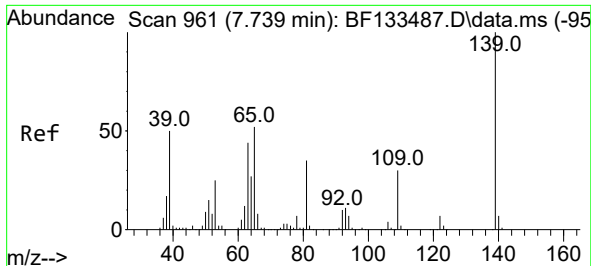
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

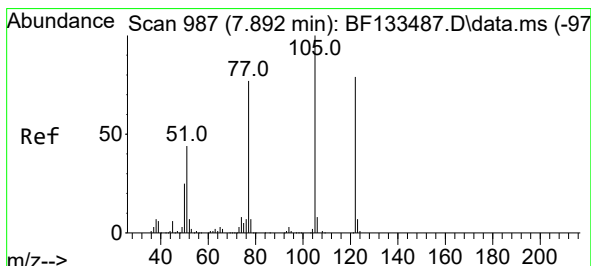
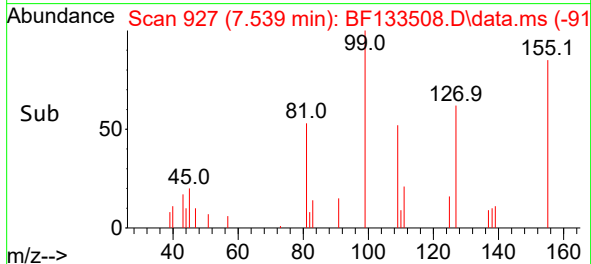
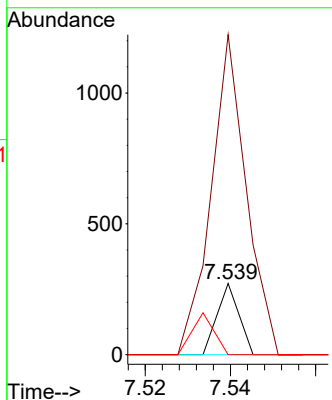
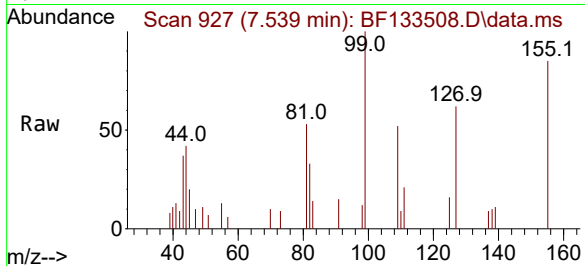




#26
2-Nitrophenol
Concen: 4.765 ng
RT: 7.539 min Scan# 91
Delta R.T. -0.200 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

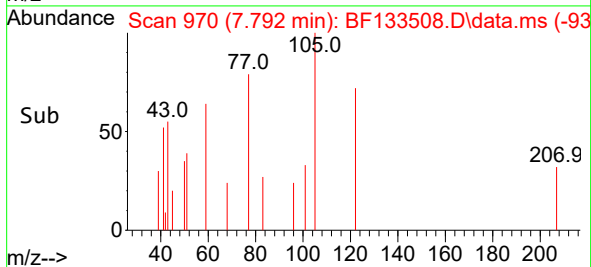
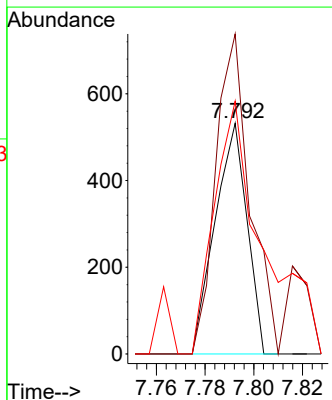
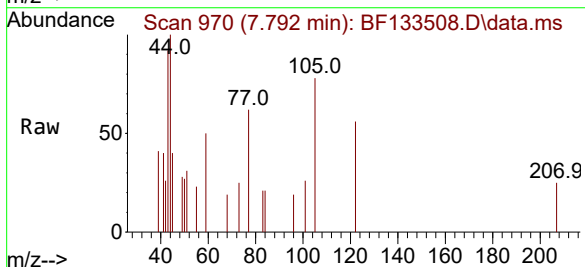
Instrument :
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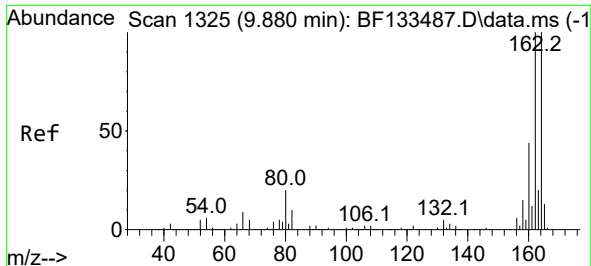
Tgt Ion:139 Resp: 96
Ion Ratio Lower Upper
139 100
109 449.6 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.431 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.100 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion:122 Resp: 485
Ion Ratio Lower Upper
122 100
105 138.7 103.3 143.3
77 109.6 75.7 115.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Instrument :

BNA_F

ClientSampleId :

TWP03

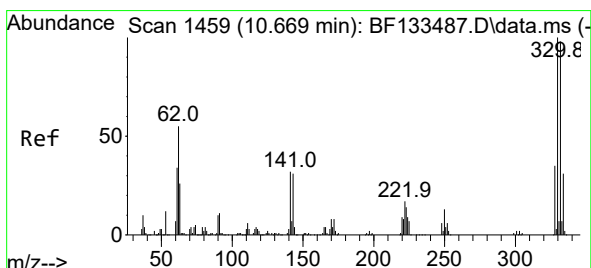
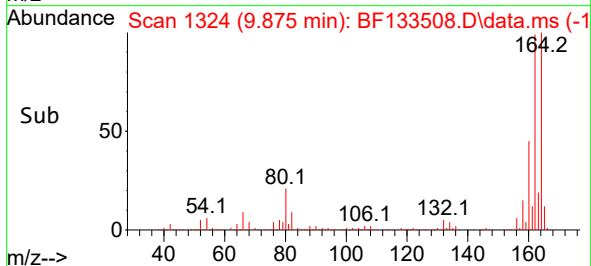
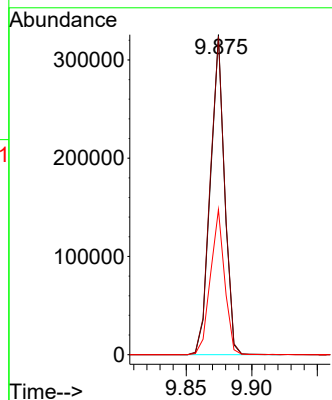
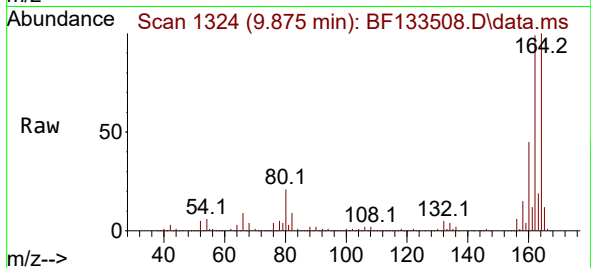
Tgt Ion:164 Resp: 244057

Ion Ratio Lower Upper

164 100

162 99.4 79.7 119.5

160 45.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 90.309 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

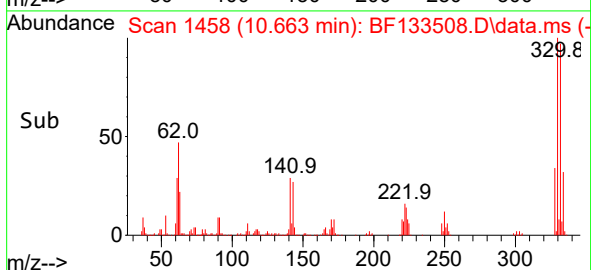
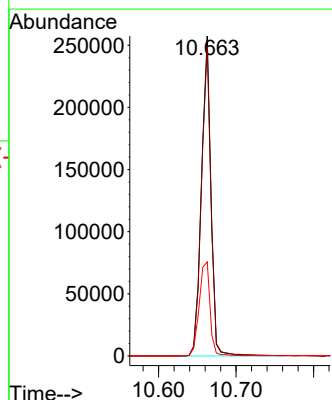
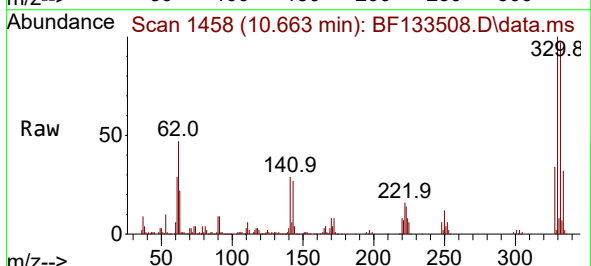
Tgt Ion:330 Resp: 219703

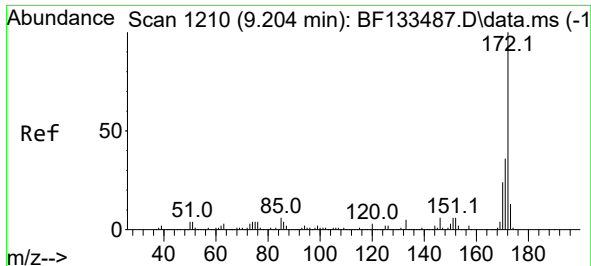
Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.6

141 33.7 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 85.562 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Instrument :

BNA_F

ClientSampleId :

TWP03

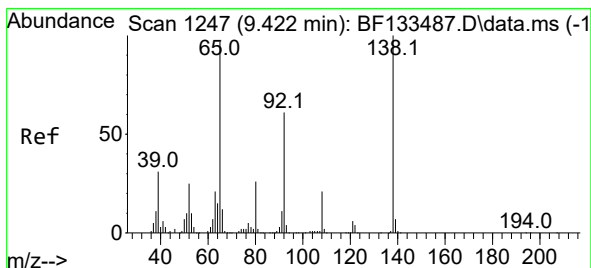
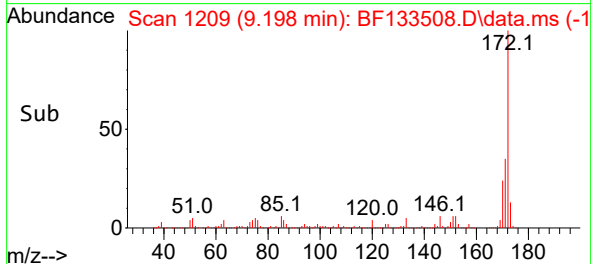
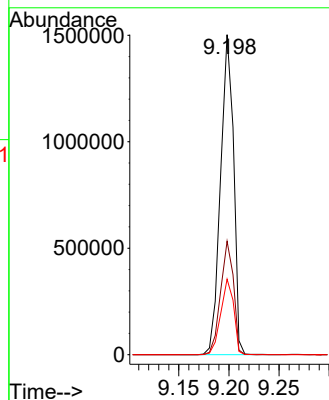
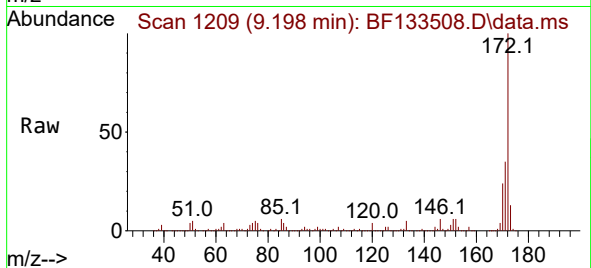
Tgt Ion:172 Resp: 1352949

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.6 19.3 28.9



#48

2-Nitroaniline

Concen: 4.013 ng

RT: 9.445 min Scan# 1251

Delta R.T. 0.023 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

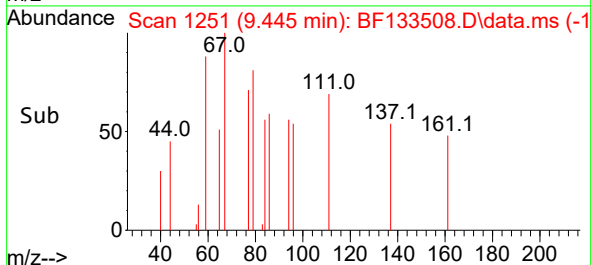
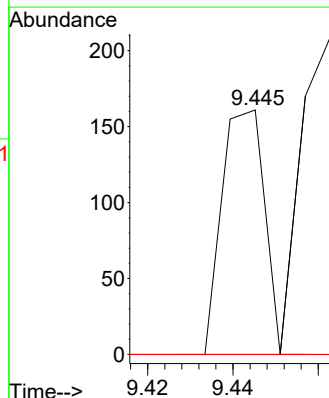
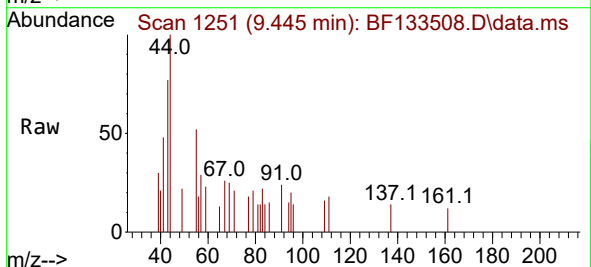
Tgt Ion: 65 Resp: 111

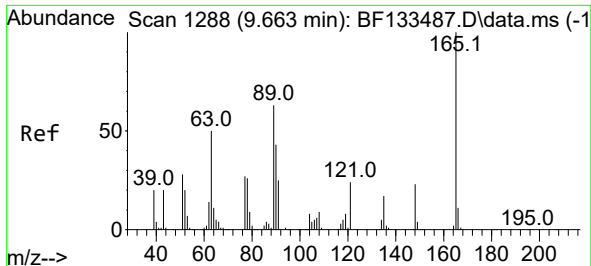
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#

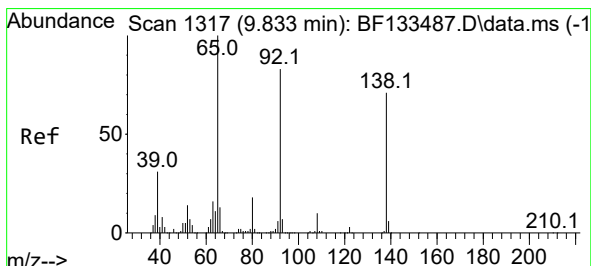
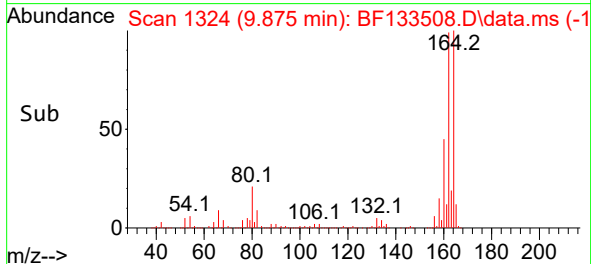
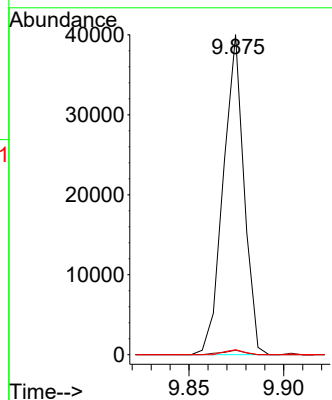
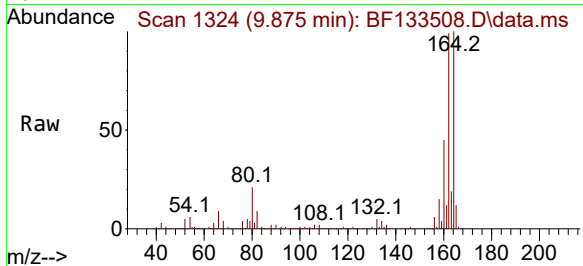




#51
2,6-Dinitrotoluene
Concen: 12.312 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

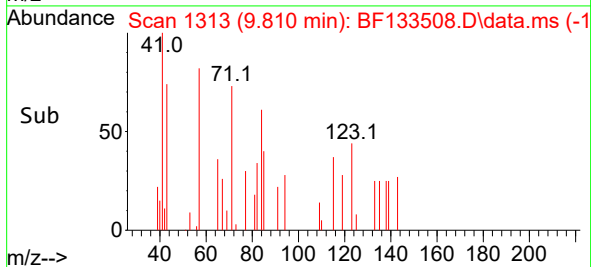
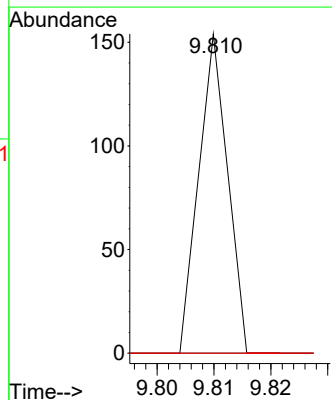
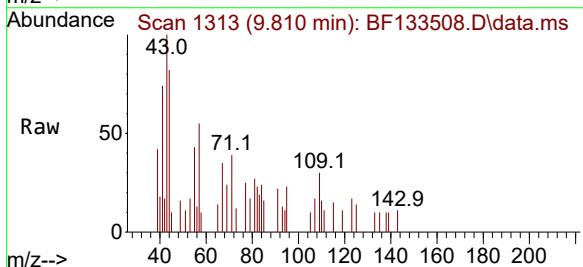
Instrument :
BNA_F
ClientSampleId :
TWP03

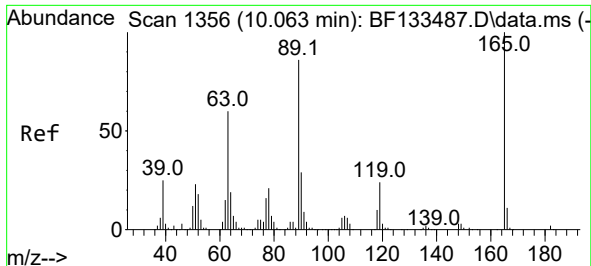
Tgt Ion:165 Resp: 30483
Ion Ratio Lower Upper
165 100
63 1.4 57.0 85.4#
89 1.6 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.192 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.023 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

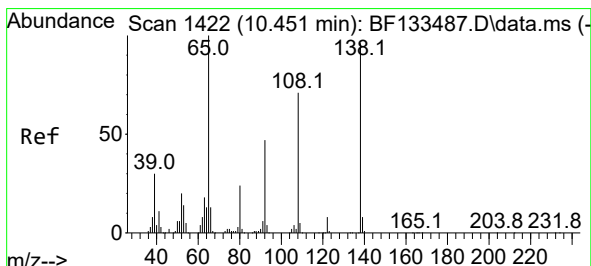
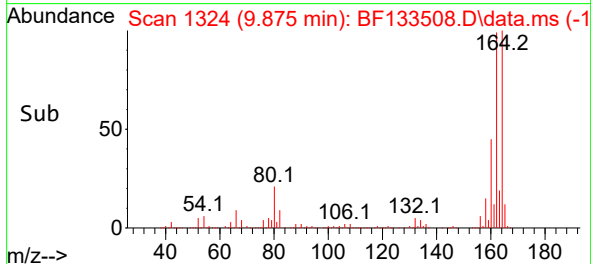
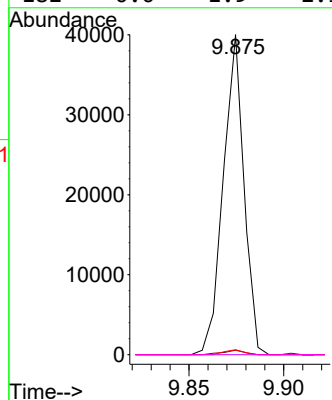
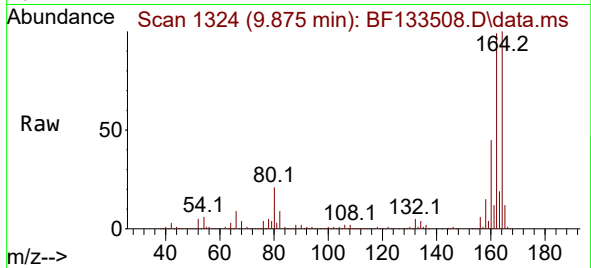




#57
2,4-Dinitrotoluene
Concen: 11.532 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

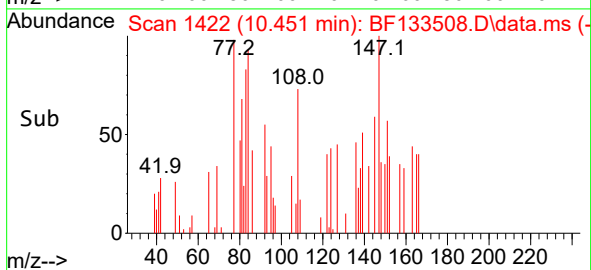
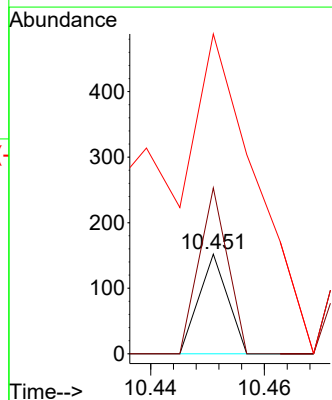
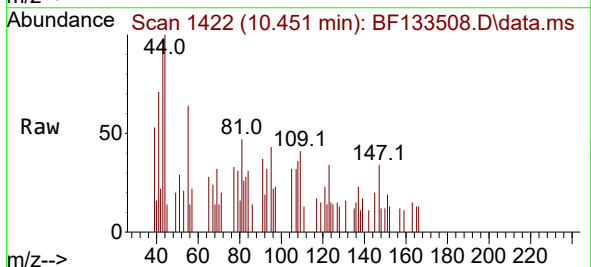
Instrument :
BNA_F
ClientSampleId :
TWP03

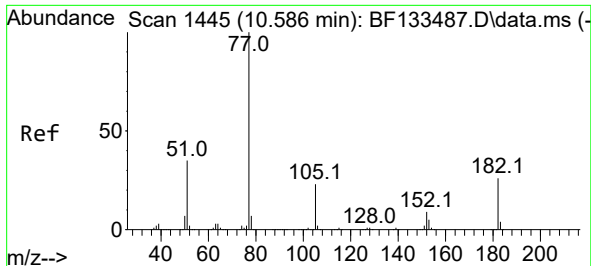
Tgt Ion:165 Resp: 30483
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.6 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 2.997 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 166.4 28.4 68.4#
108 321.1 54.2 94.2#

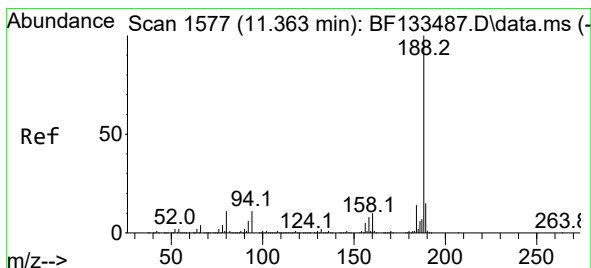
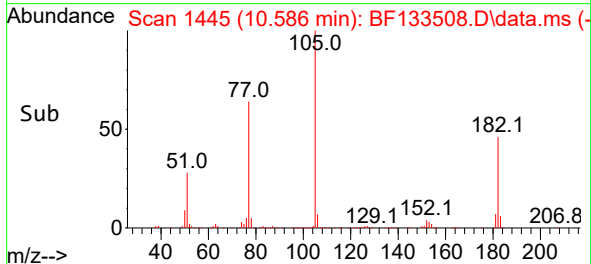
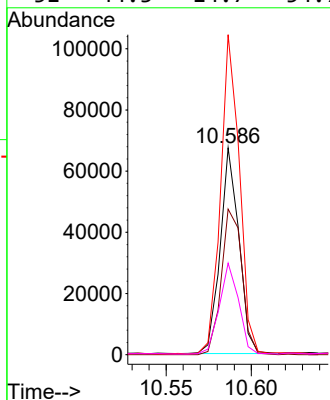
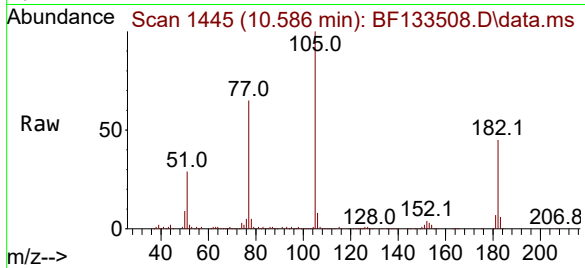




#63
Azobenzene
Concen: 2.885 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

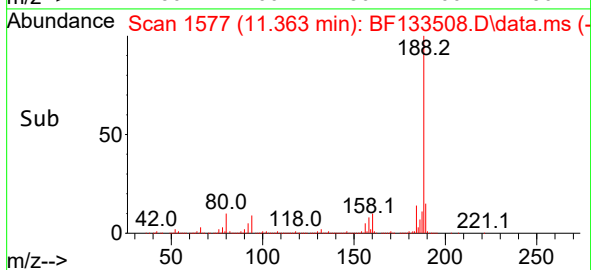
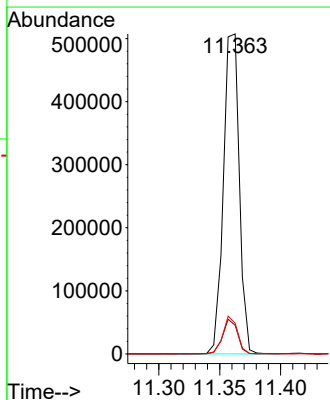
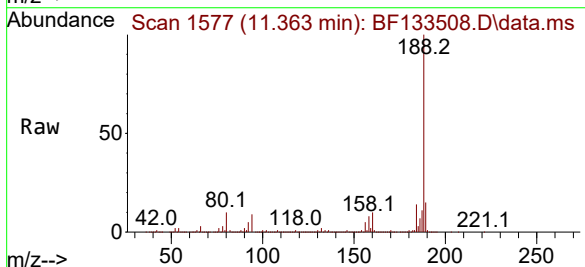
Instrument :
BNA_F
ClientSampleId :
TWP03

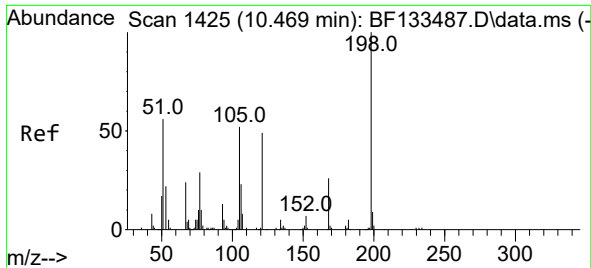
Tgt Ion: 77 Resp: 51420
Ion Ratio Lower Upper
77 100
182 70.4 5.6 45.6#
105 154.7 2.6 42.6#
51 44.3 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion: 188 Resp: 462841
Ion Ratio Lower Upper
188 100
94 9.0 8.6 12.8
80 9.6 9.2 13.8

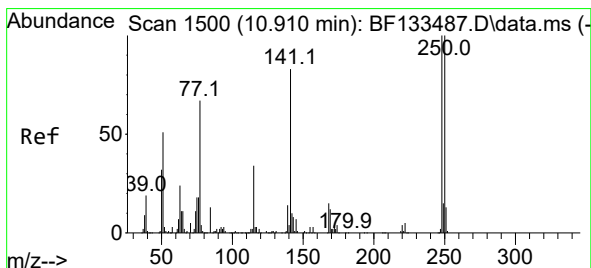
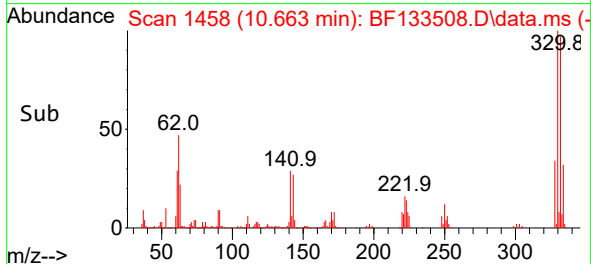
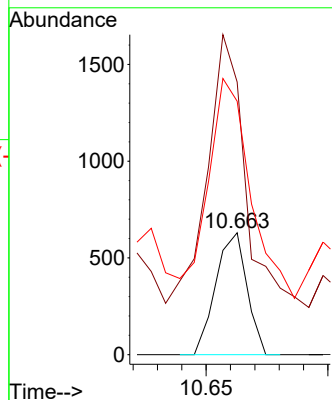
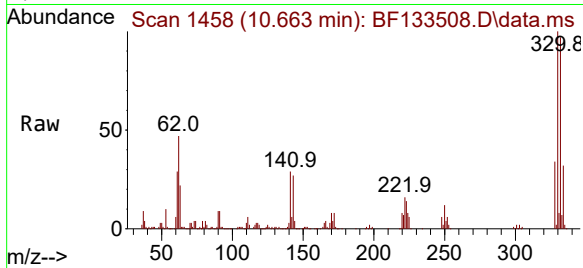




#65
4,6-Dinitro-2-methylphenol
Concen: 8.954 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

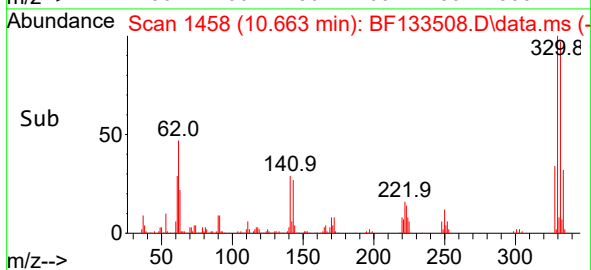
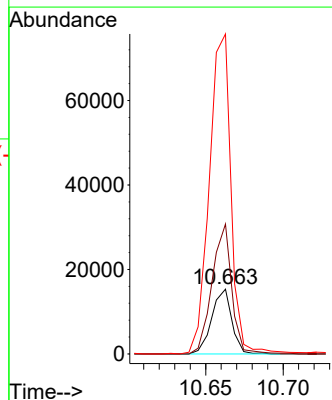
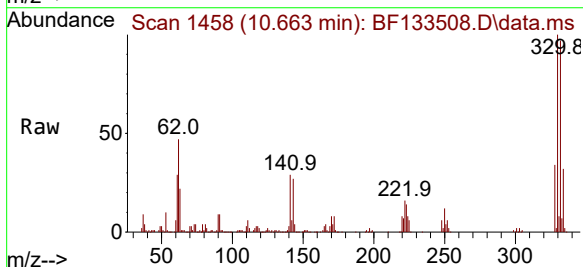
Instrument :
BNA_F
ClientSampleId :
TWP03

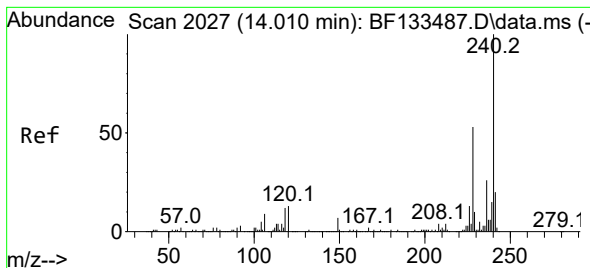
Tgt Ion:198 Resp: 560
Ion Ratio Lower Upper
198 100
51 223.7 53.6 93.6#
105 207.9 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.820 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133508.D
Acq: 26 May 2023 20:02

Tgt Ion:248 Resp: 13861
Ion Ratio Lower Upper
248 100
250 200.7 79.7 119.5#
141 494.3 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Instrument :

BNA_F

ClientSampleId :

TWP03

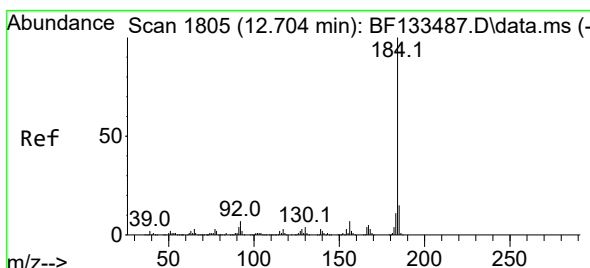
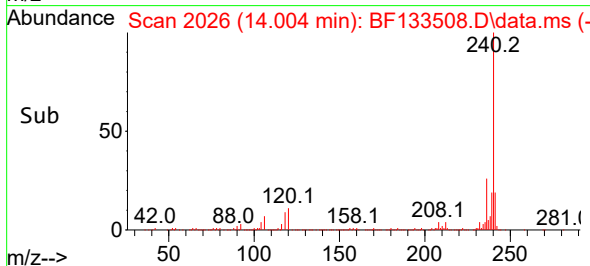
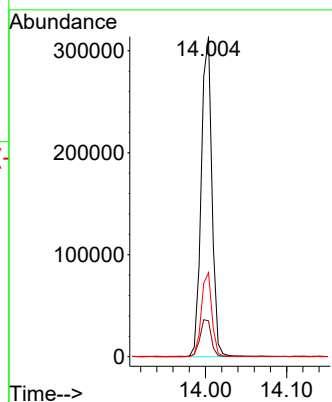
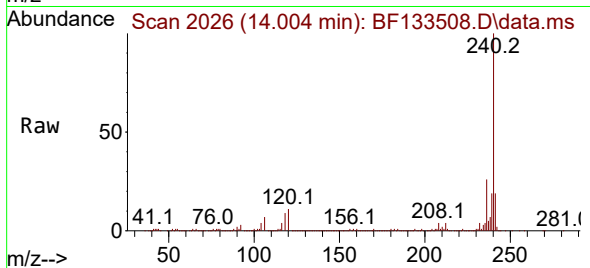
Tgt Ion:240 Resp: 288695

Ion Ratio Lower Upper

240 100

120 11.2 10.3 15.5

236 26.3 20.5 30.7



#77

Benzdine

Concen: 2.415 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

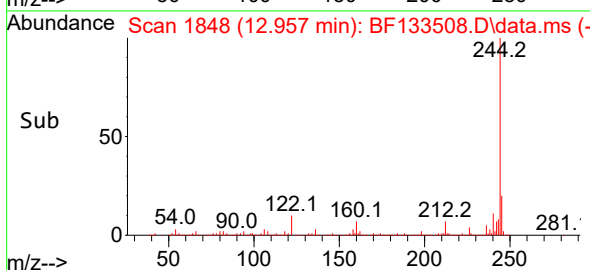
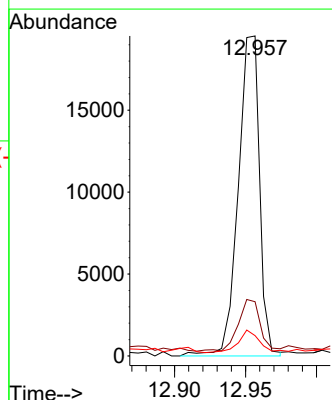
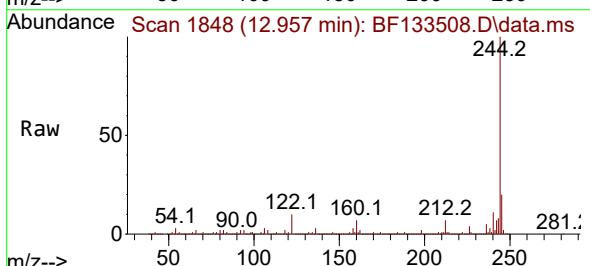
Tgt Ion:184 Resp: 20395

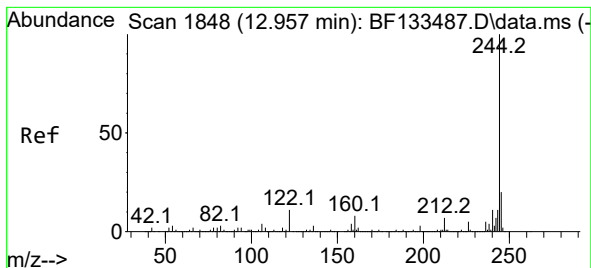
Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

183 6.3 8.7 13.1#





#79

Terphenyl-d14

Concen: 83.628 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Instrument :

BNA_F

ClientSampleId :

TWP03

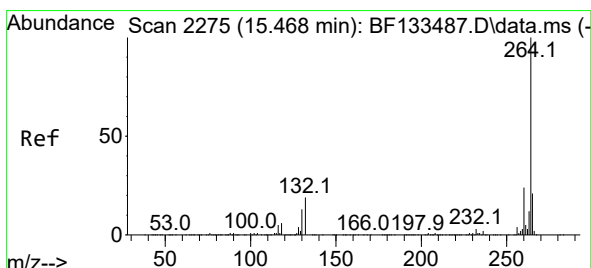
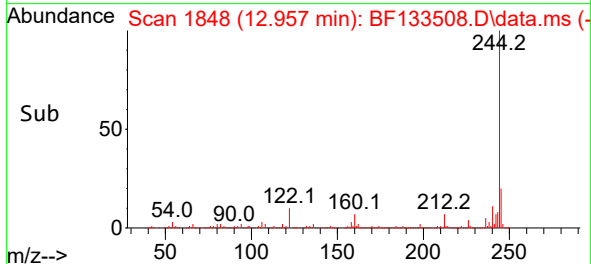
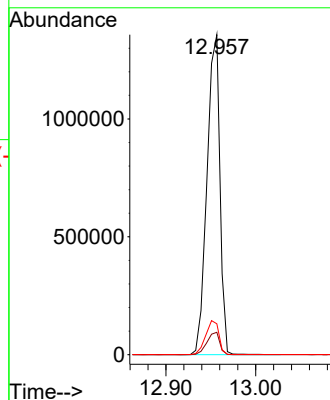
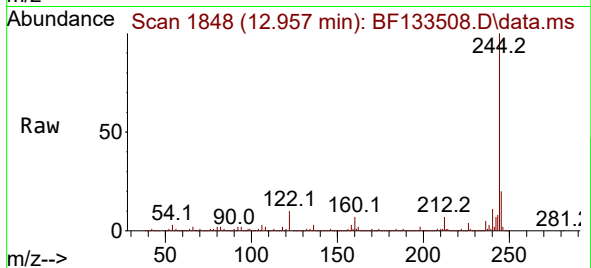
Tgt Ion:244 Resp: 1357885

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 9.7 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF133508.D

Acq: 26 May 2023 20:02

Tgt Ion:264 Resp: 268485

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.4

265 21.5 16.8 25.2

