

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133510.D
 Acq On : 26 May 2023 21:06
 Operator : CG\JU
 Sample : 02899-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP01

Quant Time: May 27 01:12:14 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	134561	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	505899	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	236978	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	458860	20.000	ng	0.00
76) Chrysene-d12	14.004	240	294914	20.000	ng	0.00
86) Perylene-d12	15.463	264	249104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	301322	37.362	ng	0.00
7) Phenol-d6	6.451	99	218310	21.989	ng	-0.01
23) Nitrobenzene-d5	7.404	82	748733	98.818	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	204332	86.499	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1259618	82.039	ng	0.00
79) Terphenyl-d14	12.957	244	1314849	79.270	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	530	Below Cal	#	61
19) n-Nitroso-di-n-propyla...	7.404	70	105129	16.366	ng	# 77
25) Isophorone	7.404	82	748850	42.407	ng	# 65
26) 2-Nitrophenol	7.540	139	234	4.799	ng	# 1
32) Benzoic acid	7.787	122	450	7.426	ng	# 78
48) 2-Nitroaniline	9.310	65	264	4.045	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	30331	12.525	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	30331	11.700	ng	# 15
63) Azobenzene	10.586	77	124091	7.170	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	511	8.934	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	12369	2.538	ng	# 1
77) Benzidine	12.957	184	18735	2.172	ng	# 94

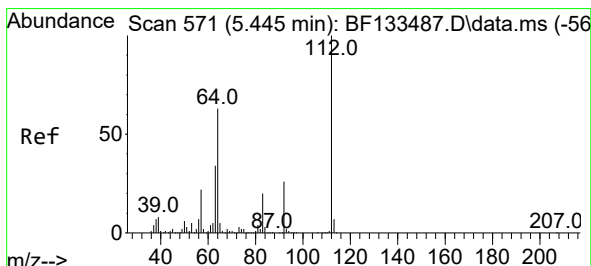
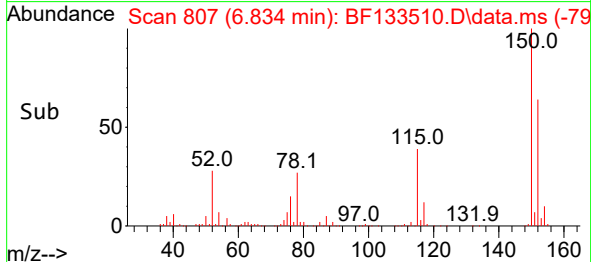
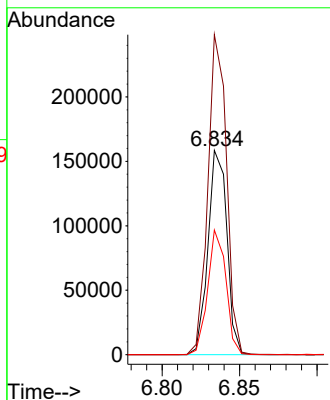
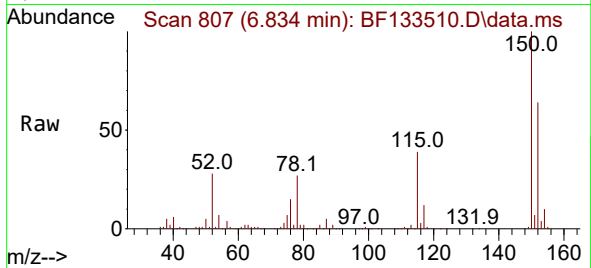
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

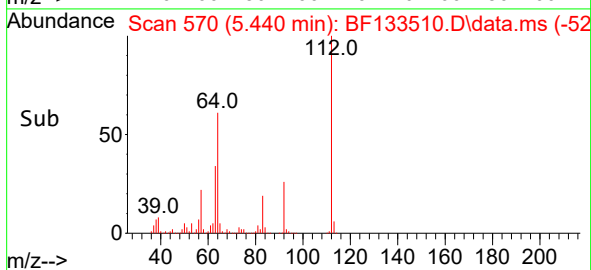
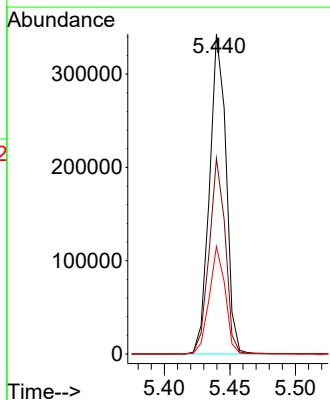
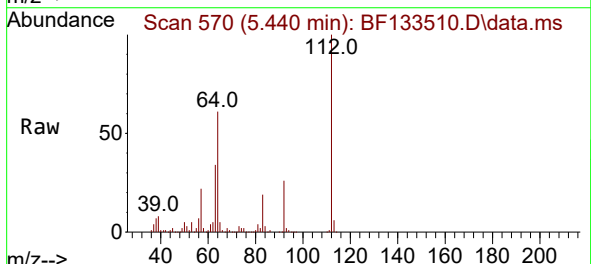
Instrument :
BNA_F
ClientSampleId :
TWP01

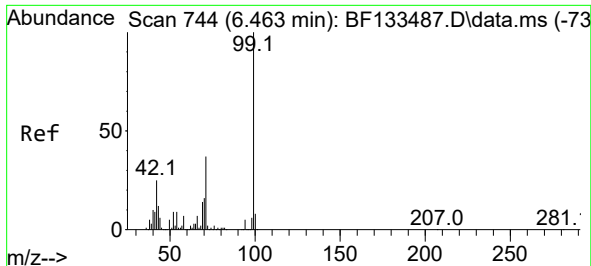
Tgt Ion:152 Resp: 134561
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 61.0 48.1 72.1



#5
2-Fluorophenol
Concen: 37.362 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion:112 Resp: 301322
Ion Ratio Lower Upper
112 100
64 61.2 50.1 75.1
63 33.6 27.5 41.3

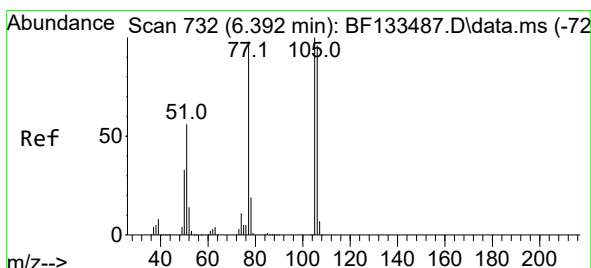
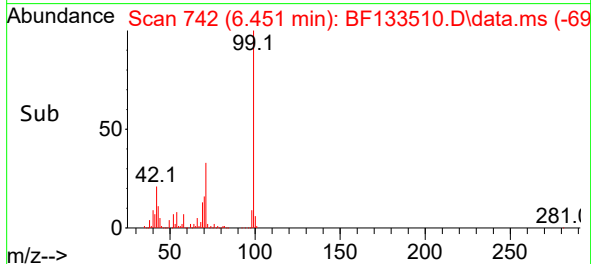
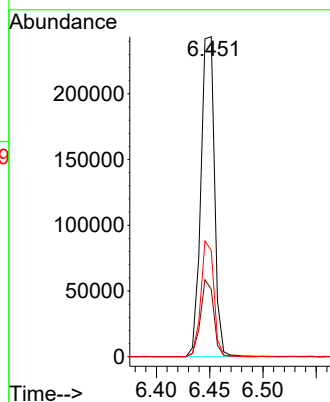
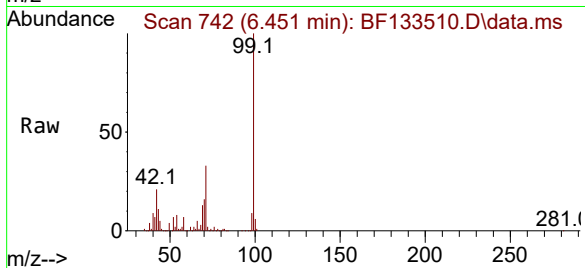




#7
Phenol-d6
Concen: 21.989 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

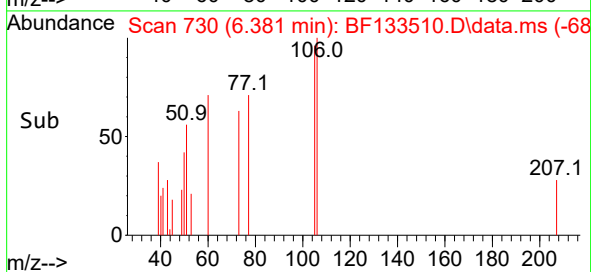
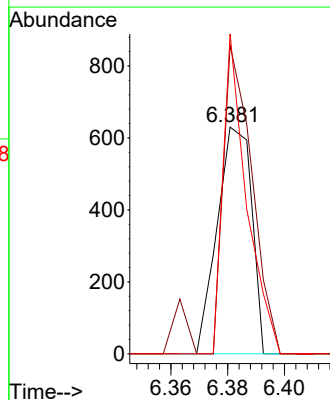
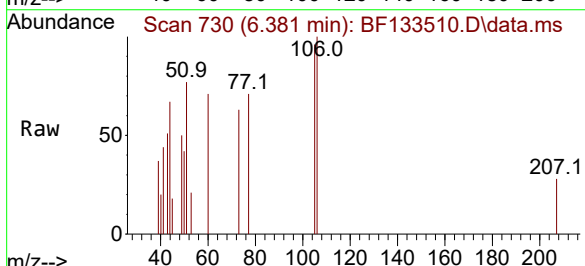
Instrument :
BNA_F
ClientSampleId :
TWP01

Tgt Ion: 99 Resp: 218310
Ion Ratio Lower Upper
99 100
42 21.0 19.7 29.5
71 33.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion: 77 Resp: 530
Ion Ratio Lower Upper
77 100
105 136.0 81.9 121.9#
106 141.1 77.8 117.8#

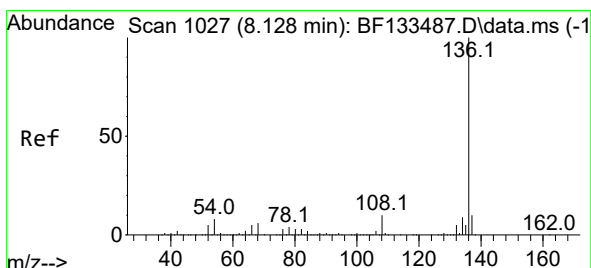
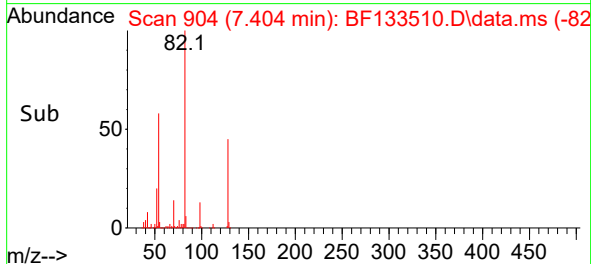
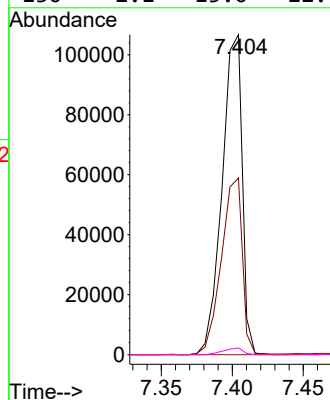
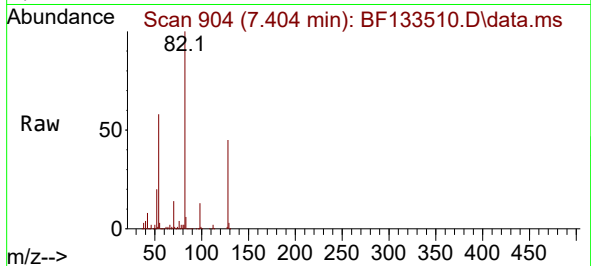




#19
n-Nitroso-di-n-propylamine
Concen: 16.366 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

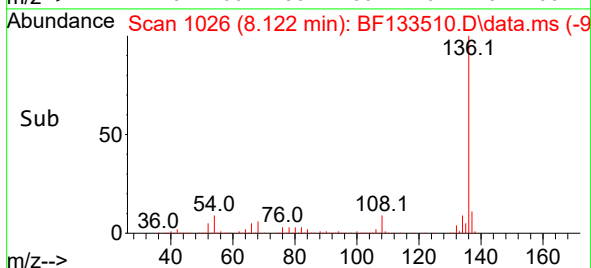
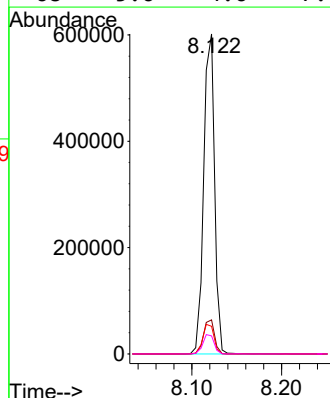
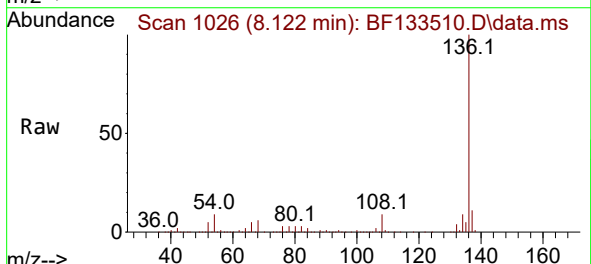
Instrument :
BNA_F
ClientSampleId :
TWP01

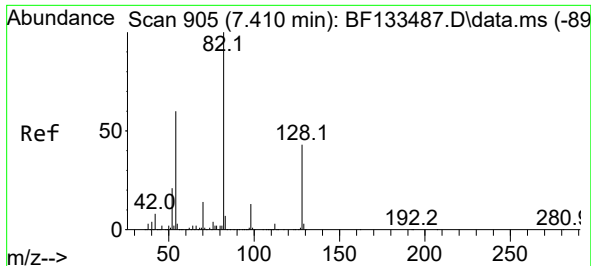
Tgt Ion: 70 Resp: 105129
Ion Ratio Lower Upper
70 100
42 55.2 57.2 85.8#
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion: 136 Resp: 505899
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.7 6.6 10.0
68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 98.818 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

Instrument :

BNA_F

ClientSampleId :

TWP01

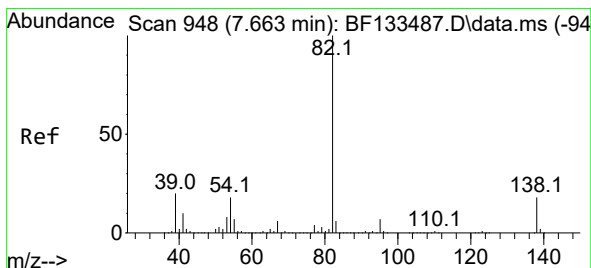
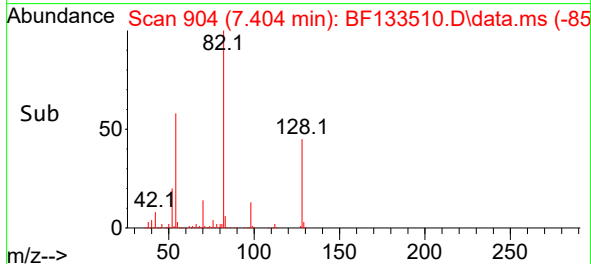
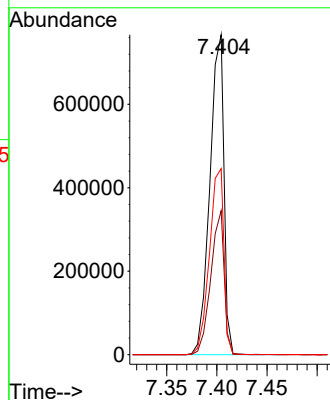
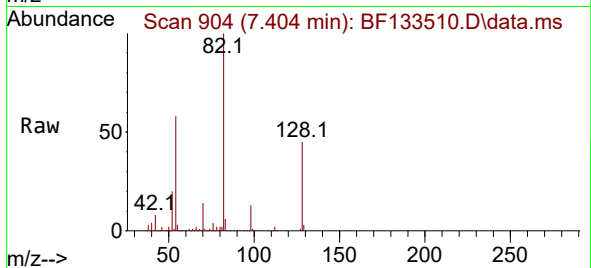
Tgt Ion: 82 Resp: 748733

Ion Ratio Lower Upper

82 100

128 45.0 34.2 51.4

54 58.1 48.2 72.4



#25

Isophorone

Concen: 42.407 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

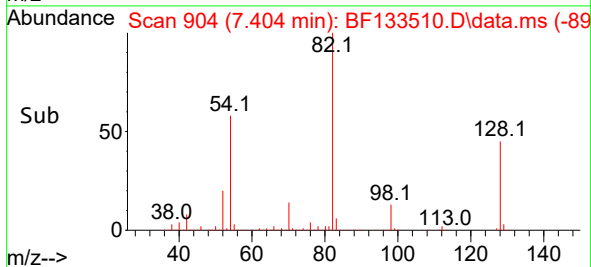
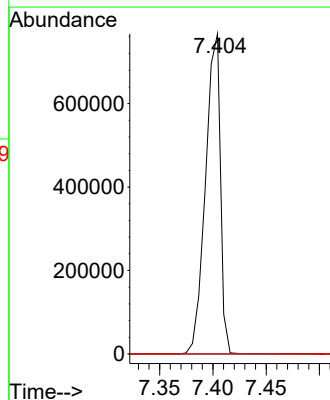
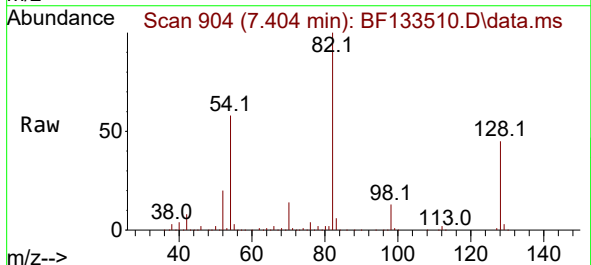
Tgt Ion: 82 Resp: 748850

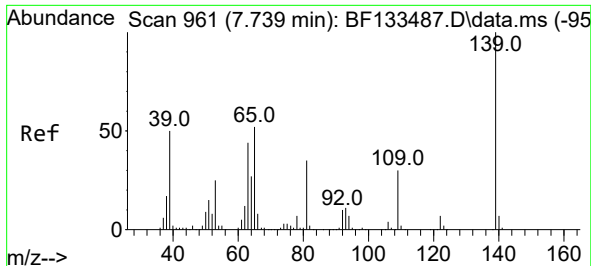
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

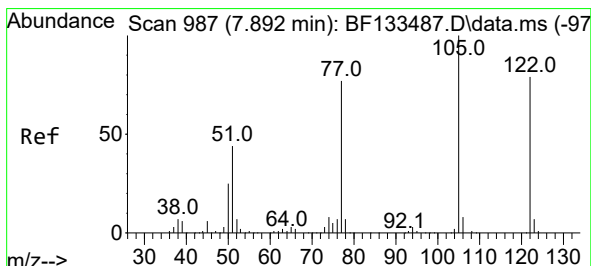
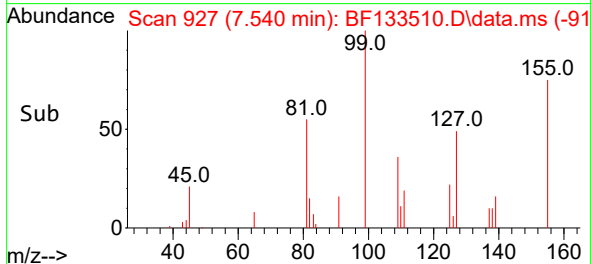
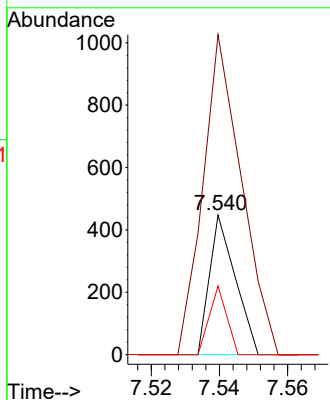
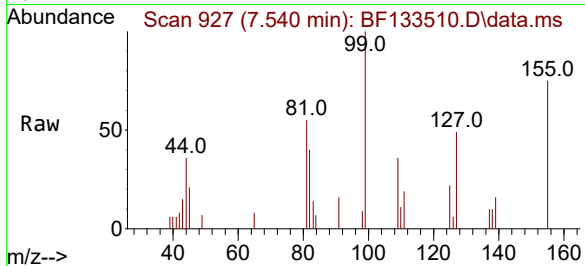




#26
2-Nitrophenol
Concen: 4.799 ng
RT: 7.540 min Scan# 91
Delta R.T. -0.199 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

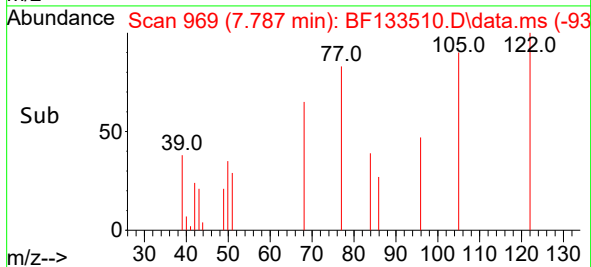
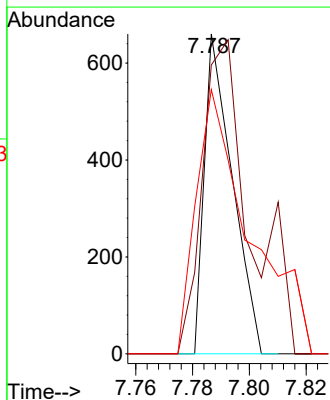
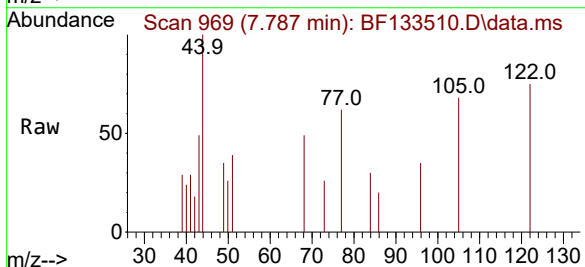
Instrument :
BNA_F
ClientSampleId :
TWP01

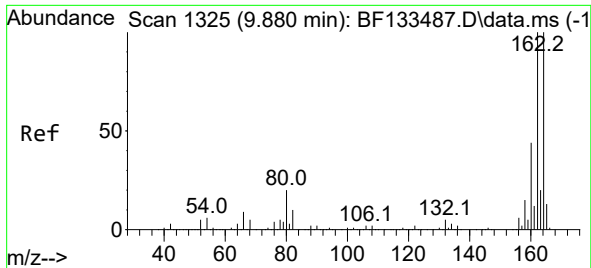
Tgt Ion:139 Resp: 234
Ion Ratio Lower Upper
139 100
109 229.5 24.0 36.0#
65 49.2 41.7 62.5



#32
Benzoic acid
Concen: 7.426 ng
RT: 7.787 min Scan# 969
Delta R.T. -0.105 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion:122 Resp: 450
Ion Ratio Lower Upper
122 100
105 90.3 103.3 143.3#
77 82.6 75.7 115.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

Instrument :

BNA_F

ClientSampleId :

TWP01

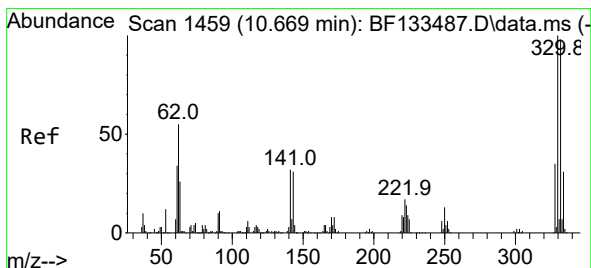
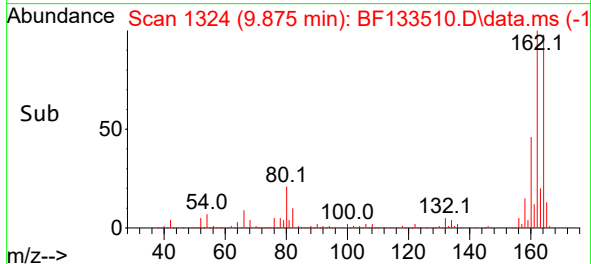
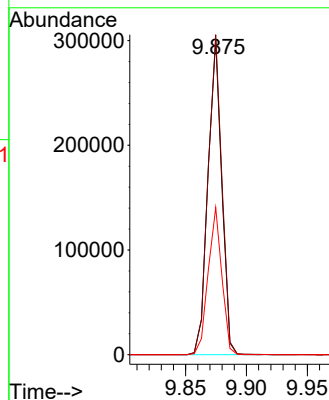
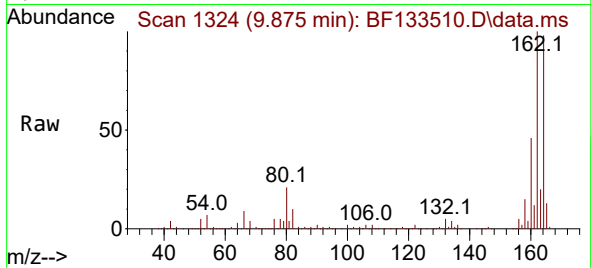
Tgt Ion:164 Resp: 236978

Ion Ratio Lower Upper

164 100

162 101.6 79.7 119.5

160 46.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 86.499 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

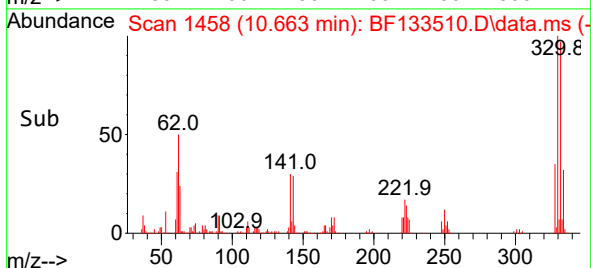
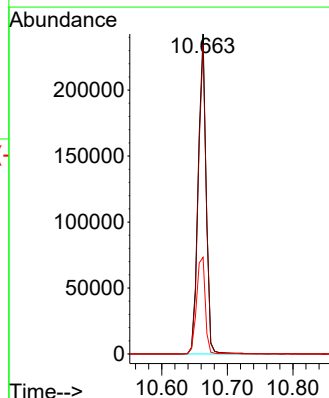
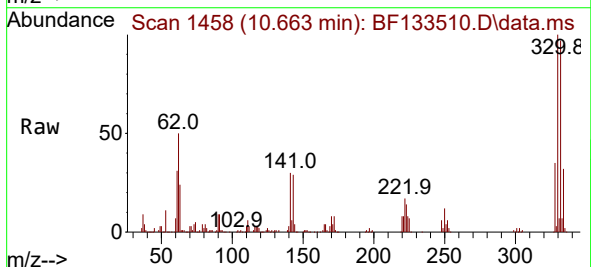
Tgt Ion:330 Resp: 204332

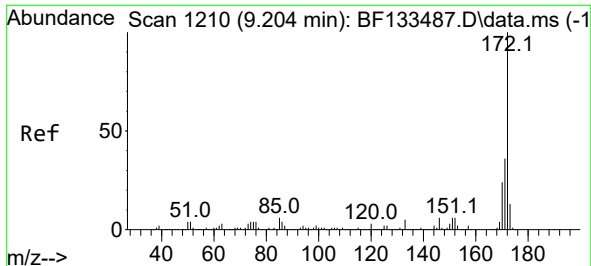
Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

141 33.5 26.6 40.0

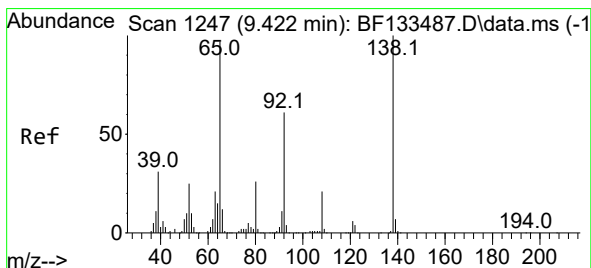
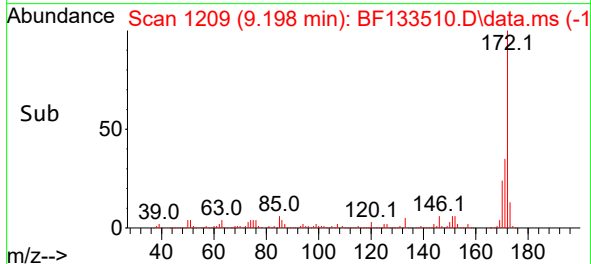
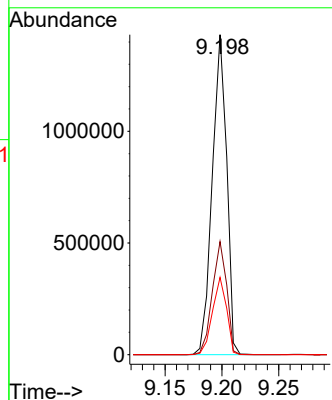
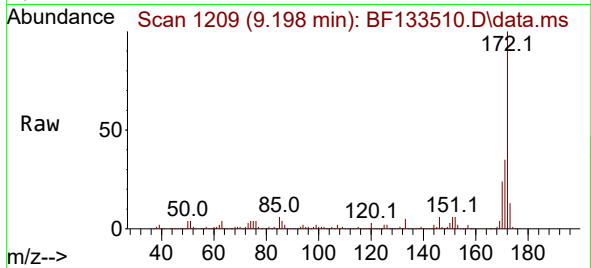




#45
2-Fluorobiphenyl
Concen: 82.039 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

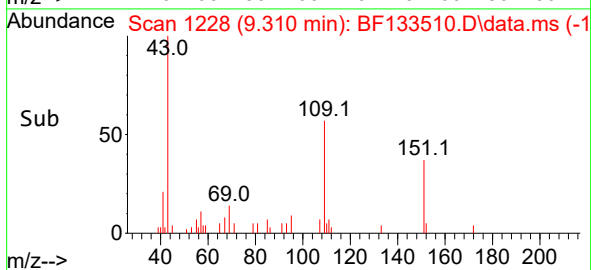
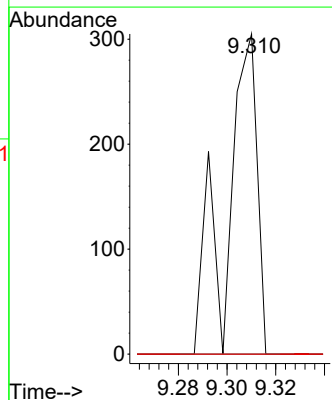
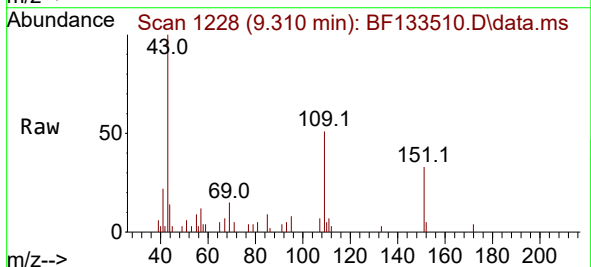
Instrument :
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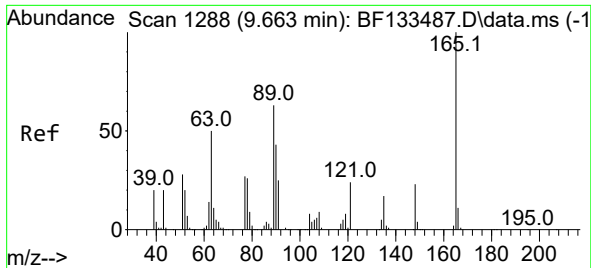
Tgt Ion:172 Resp: 1259618
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.1 19.3 28.9



#48
2-Nitroaniline
Concen: 4.045 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.112 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion: 65 Resp: 264
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#

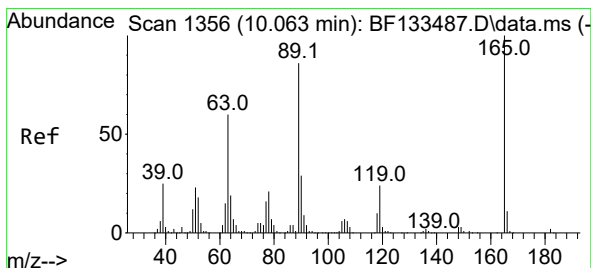
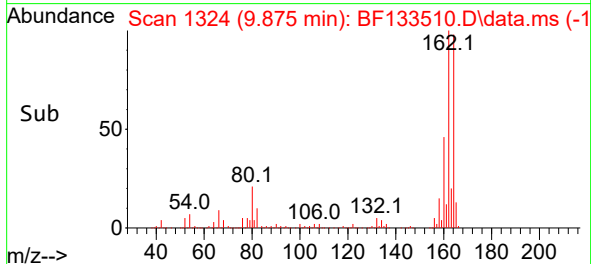
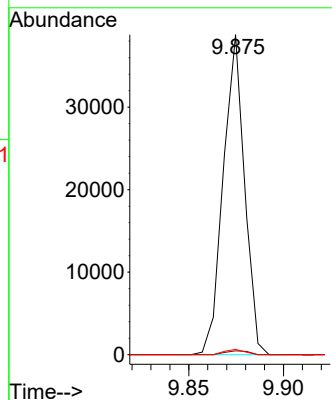
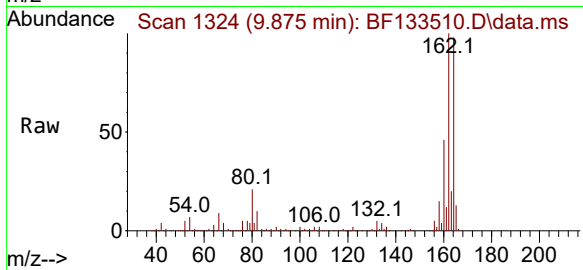




#51
2,6-Dinitrotoluene
Concen: 12.525 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

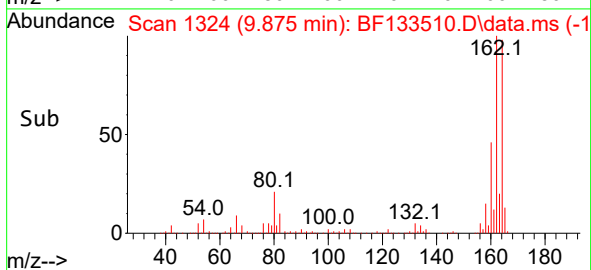
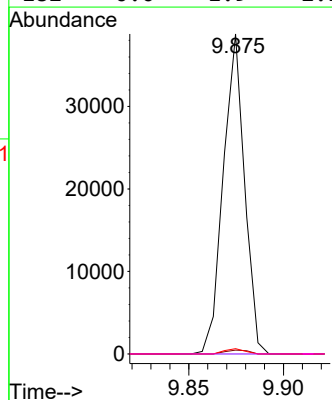
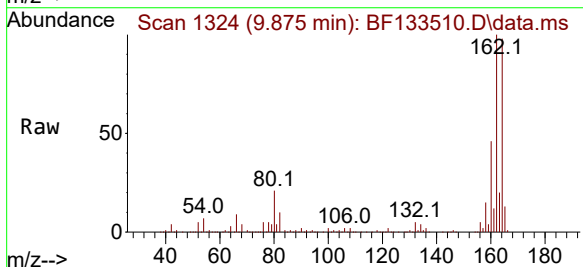
Instrument :
BNA_F
ClientSampleId :
TWP01

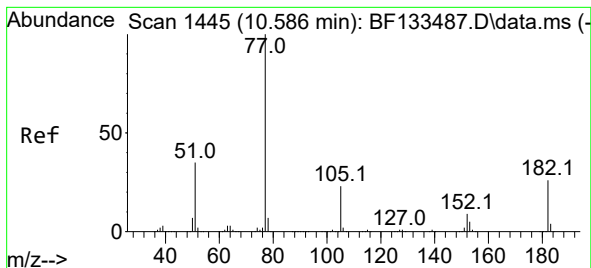
Tgt Ion:165 Resp: 30331
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.7 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.700 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion:165 Resp: 30331
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 7.170 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.000 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

Instrument :

BNA_F

ClientSampleId :

TWP01

Tgt Ion: 77 Resp: 124091

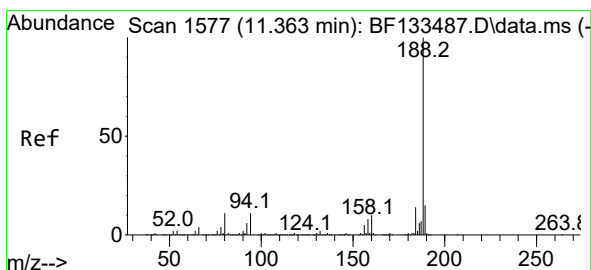
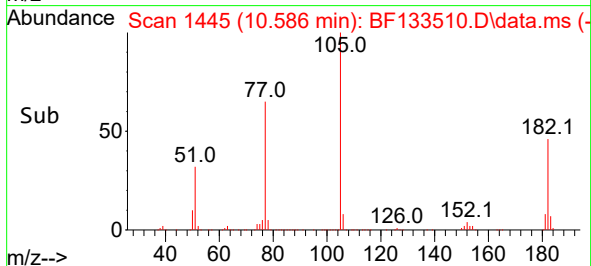
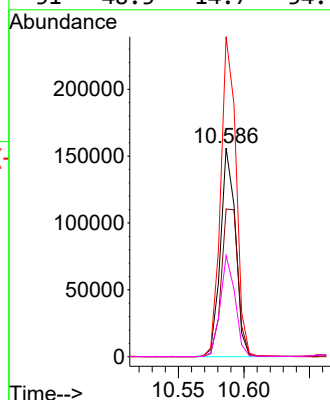
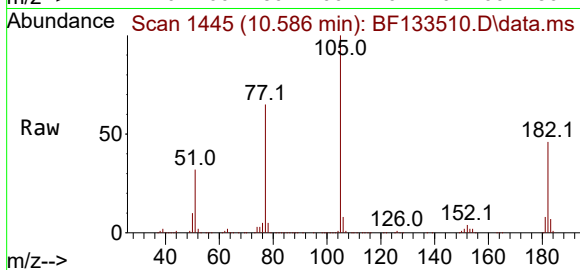
Ion Ratio Lower Upper

77 100

182 70.8 5.6 45.6#

105 153.3 2.6 42.6#

51 48.5 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: BF133510.D

Acq: 26 May 2023 21:06

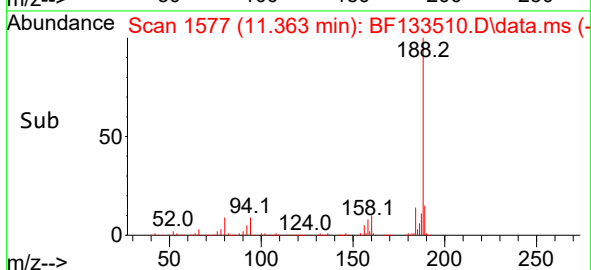
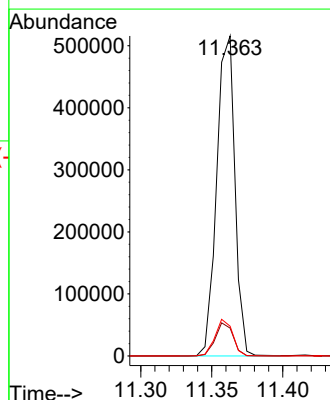
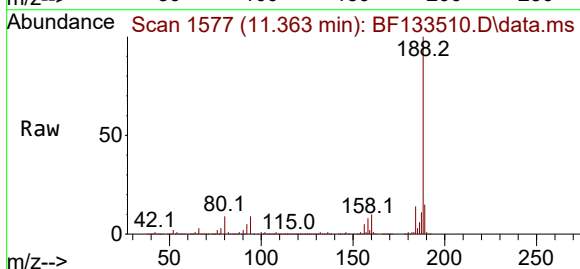
Tgt Ion: 188 Resp: 458860

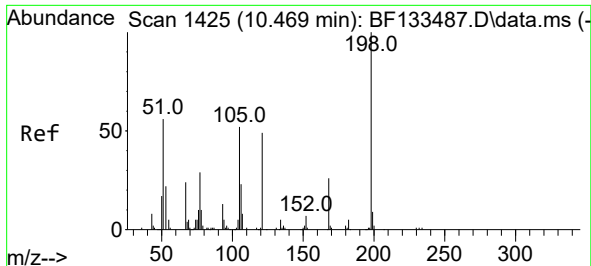
Ion Ratio Lower Upper

188 100

94 8.7 8.6 12.8

80 9.3 9.2 13.8

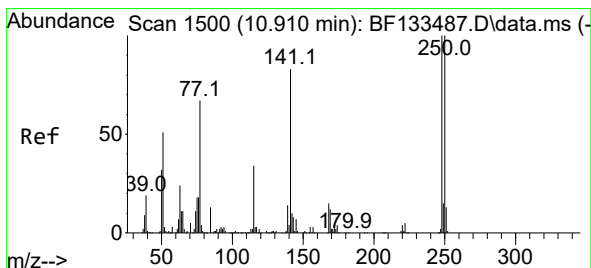
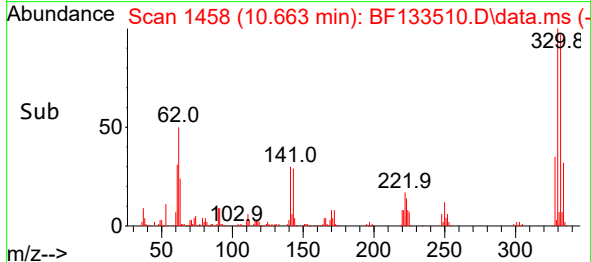
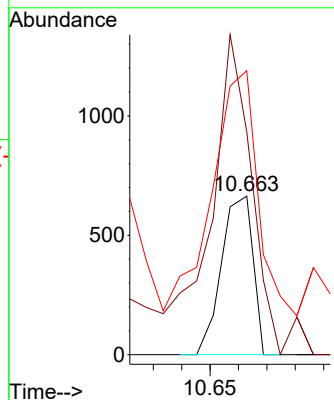
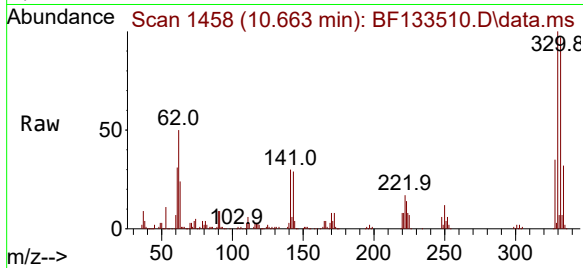




#65
4,6-Dinitro-2-methylphenol
Concen: 8.934 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.194 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

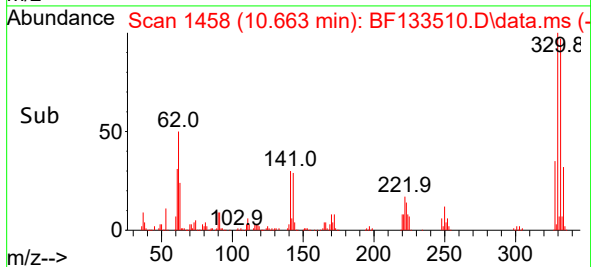
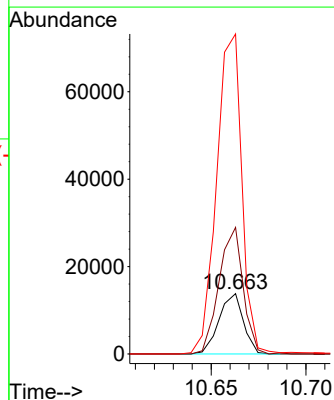
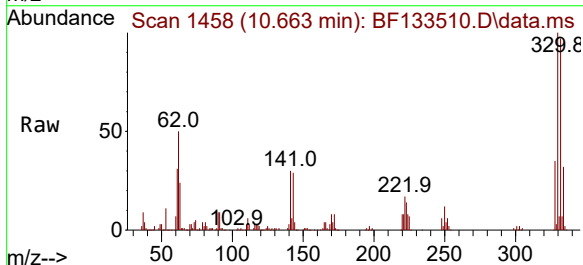
Instrument :
BNA_F
ClientSampleId :
TWP01

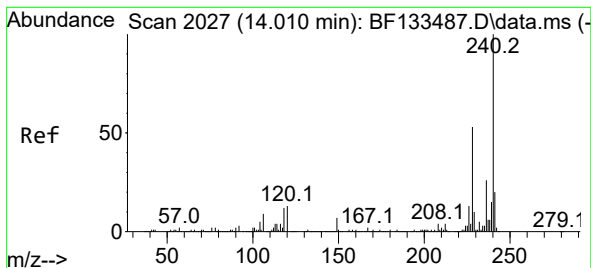
Tgt Ion:198 Resp: 511
Ion Ratio Lower Upper
198 100
51 140.7 53.6 93.6#
105 179.1 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.538 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133510.D
Acq: 26 May 2023 21:06

Tgt Ion:248 Resp: 12369
Ion Ratio Lower Upper
248 100
250 210.0 79.7 119.5#
141 530.9 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: BF133510.D

Acq: 26 May 2023 21:06

Instrument :

BNA_F

ClientSampleId :

TWP01

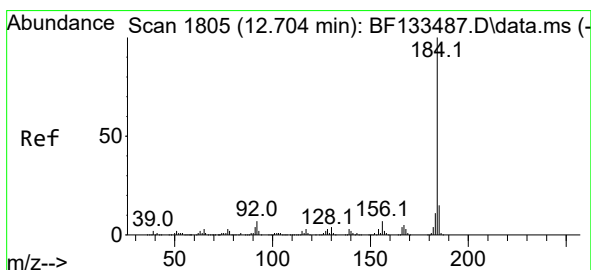
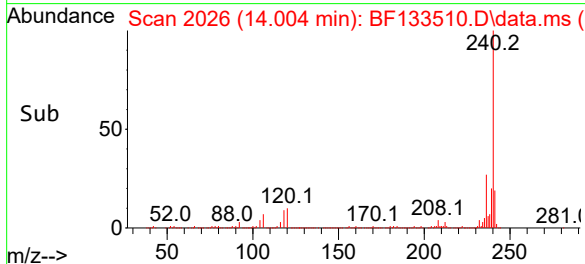
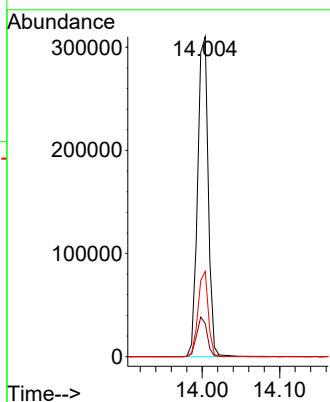
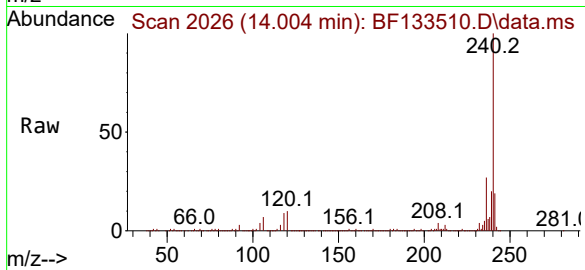
Tgt Ion:240 Resp: 294914

Ion Ratio Lower Upper

240 100

120 10.3 10.3 15.5

236 26.6 20.5 30.7



#77

Benzidine

Concen: 2.172 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133510.D

Acq: 26 May 2023 21:06

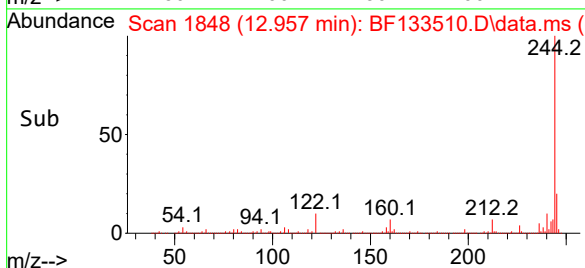
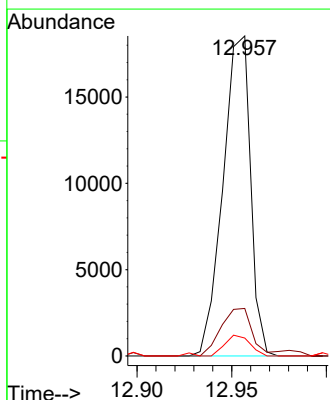
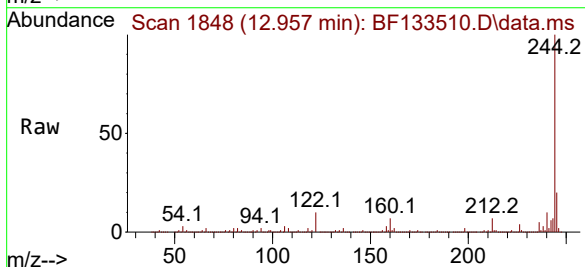
Tgt Ion:184 Resp: 18735

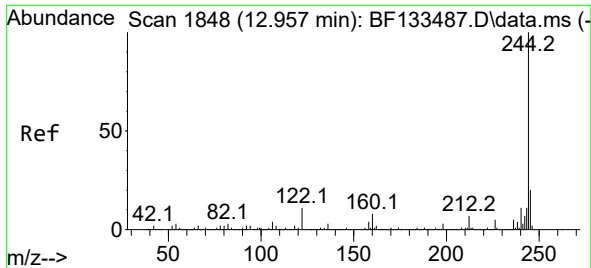
Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

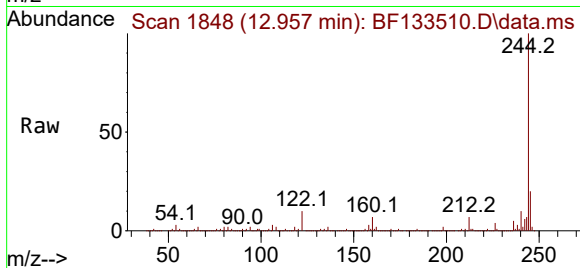
183 5.6 8.7 13.1#





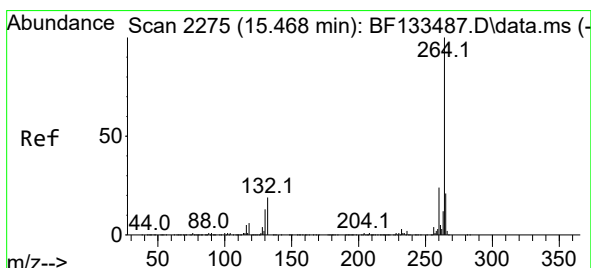
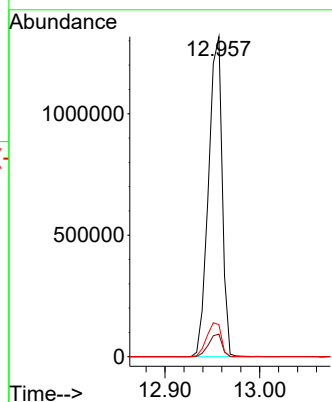
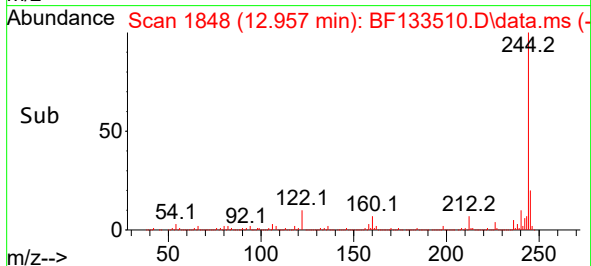
#79
 Terphenyl-d14
 Concen: 79.270 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133510.D
 Acq: 26 May 2023 21:06

Instrument :
 BNA_F
 ClientSampleId :
 TWP01



Tgt Ion:244 Resp: 1314849

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.0	8.5	12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. -0.006 min
 Lab File: BF133510.D
 Acq: 26 May 2023 21:06

Tgt Ion:264 Resp: 249104

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	16.8	25.2

