

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133583.D
 Acq On : 06 Jun 2023 00:23
 Operator : CG\JU
 Sample : 02983-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC18

Quant Time: Jun 06 01:09:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

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

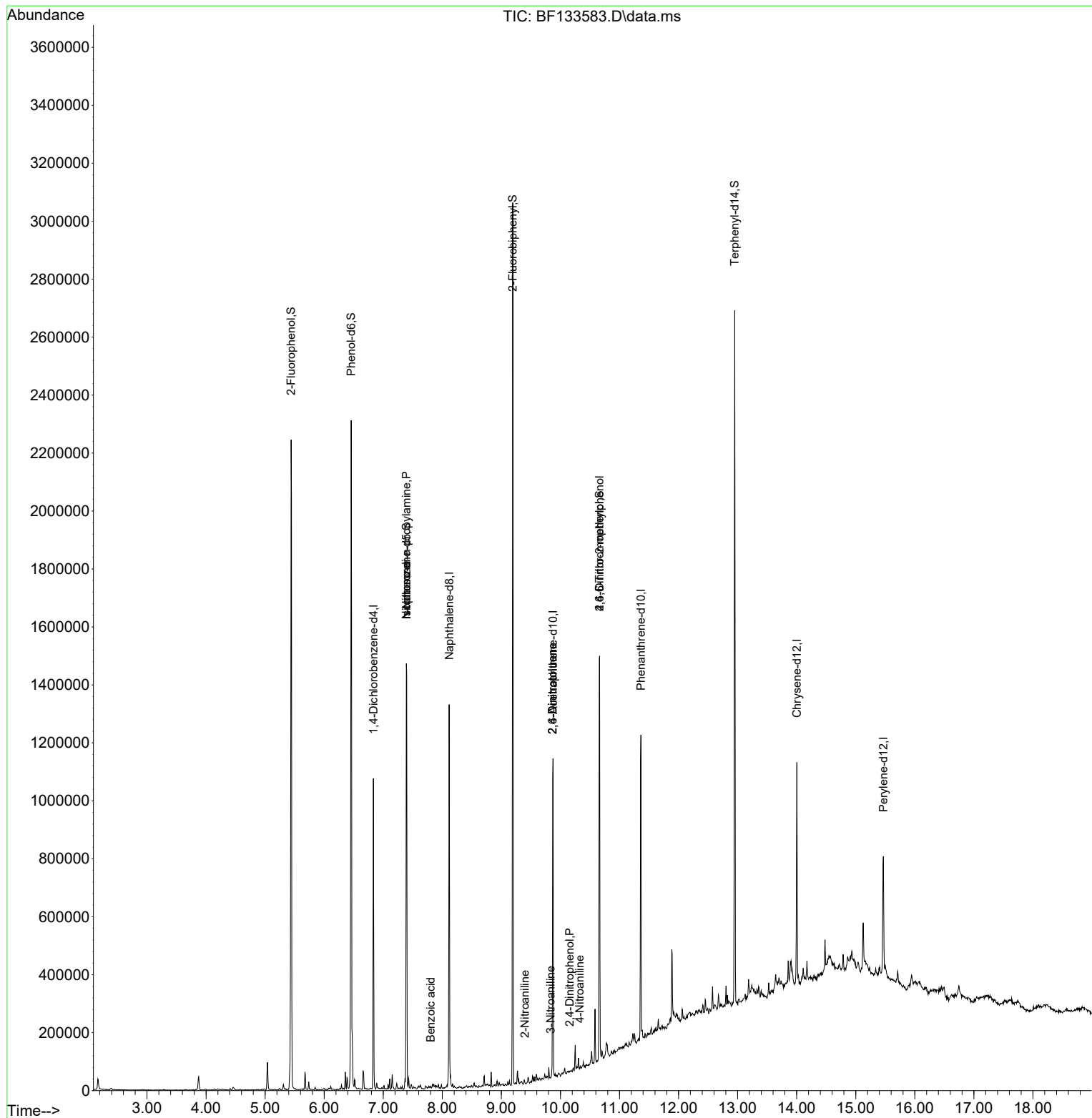
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	133869	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	492491	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	216689	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	385707	20.000	ng	0.00
76) Chrysene-d12	14.004	240	227422	20.000	ng	0.00
86) Perylene-d12	15.468	264	193940	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	628084	78.281	ng	0.00
7) Phenol-d6	6.457	99	759172	76.863	ng	0.00
23) Nitrobenzene-d5	7.392	82	450838	61.122	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	178099	82.454	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	839532	59.798	ng	0.00
79) Terphenyl-d14	12.951	244	793841	62.062	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.386	77	2175	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	62546	9.787	ng	# 79
25) Isophorone	7.392	82	450843	26.226	ng	# 65
32) Benzoic acid	7.804	122	161	7.377	ng	# 29
48) 2-Nitroaniline	9.398	65	182	4.031	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	27751	12.531	ng	# 19
53) 3-Nitroaniline	9.833	138	460	3.298	ng	# 26
54) 2,4-Dinitrophenol	10.157	184	88	6.591	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	27751	11.704	ng	# 16
62) 4-Nitroaniline	10.327	138	574	3.132	ng	90
65) 4,6-Dinitro-2-methylph...	10.663	198	488	8.965	ng	# 1

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

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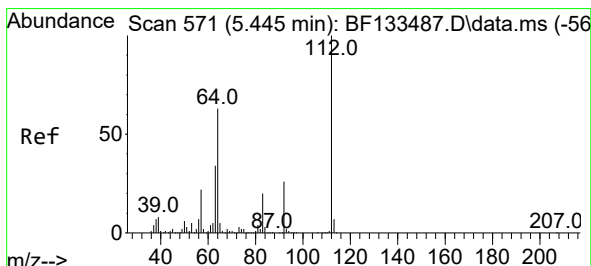
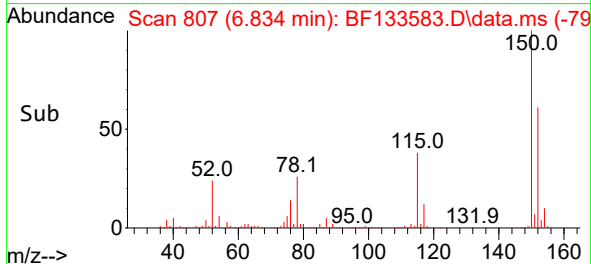
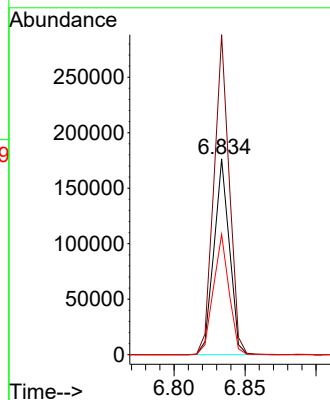
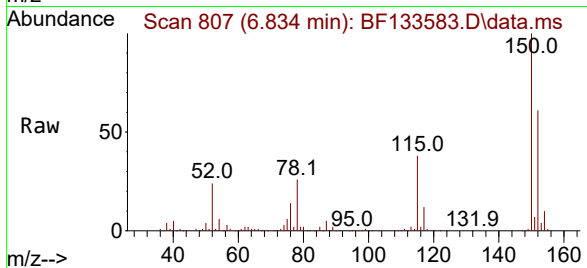




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

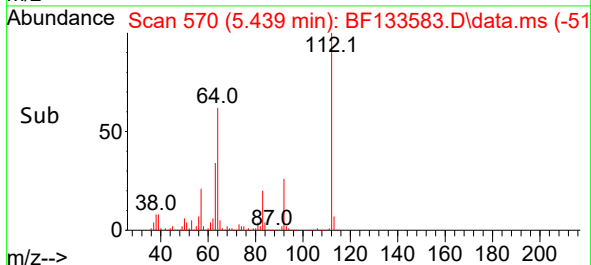
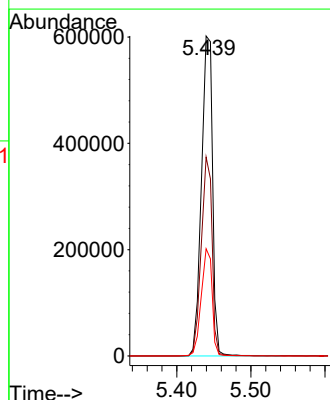
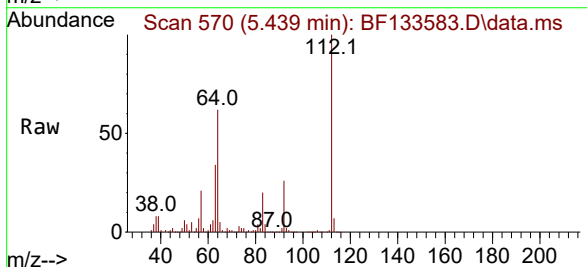
Instrument :
BNA_F
ClientSampleId :
WC18

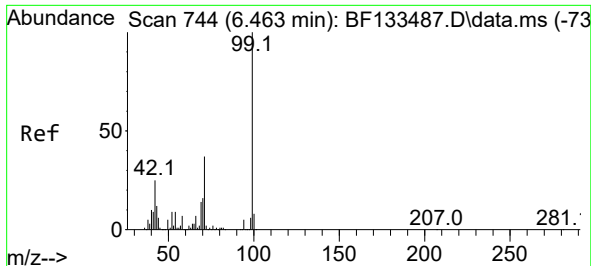
Tgt Ion:152 Resp: 133869
Ion Ratio Lower Upper
152 100
150 163.3 124.9 187.3
115 61.4 48.1 72.1



#5
2-Fluorophenol
Concen: 78.281 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion:112 Resp: 628084
Ion Ratio Lower Upper
112 100
64 62.1 50.1 75.1
63 33.5 27.5 41.3





#7

Phenol-d6

Concen: 76.863 ng

RT: 6.457 min Scan# 744

Delta R.T. -0.000 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

Instrument :

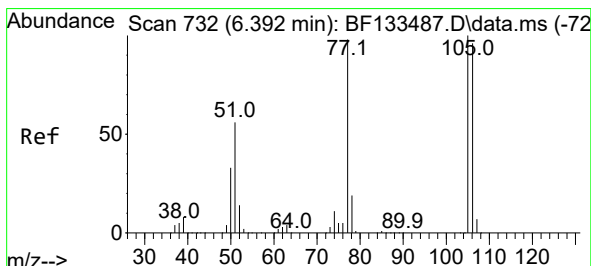
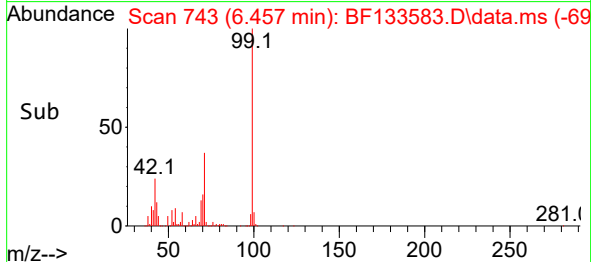
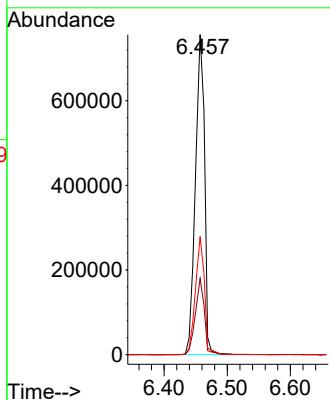
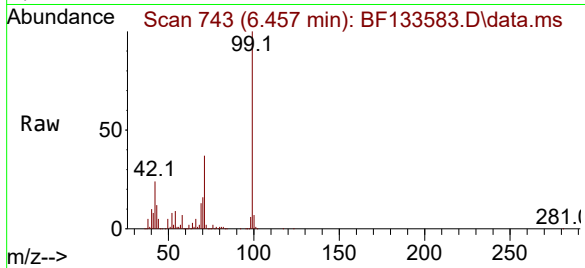
BNA_F

ClientSampleId :

WC18

Tgt Ion: 99 Resp: 759172

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.7	29.5
71	36.9	29.8	44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.386 min Scan# 731

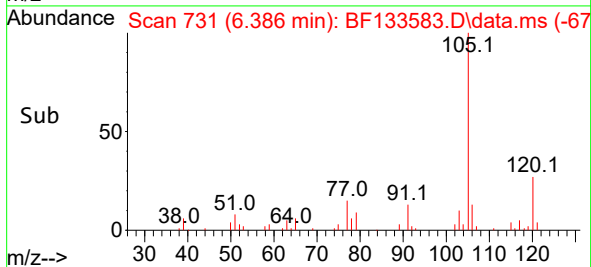
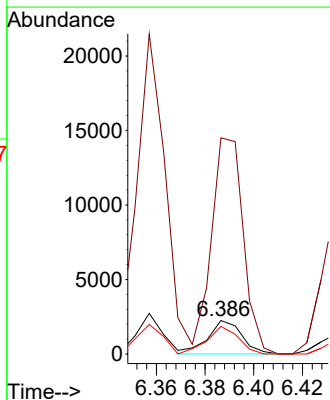
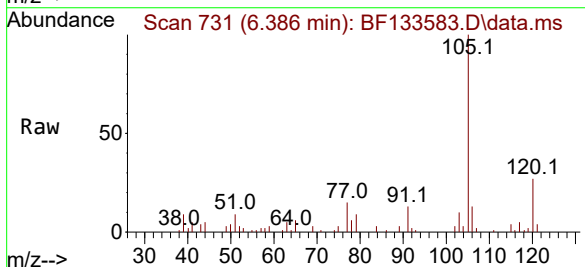
Delta R.T. 0.006 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

Tgt Ion: 77 Resp: 2175

Ion	Ratio	Lower	Upper
77	100		
105	645.7	81.9	121.9#
106	82.5	77.8	117.8

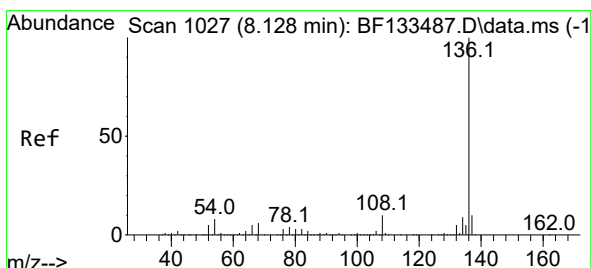
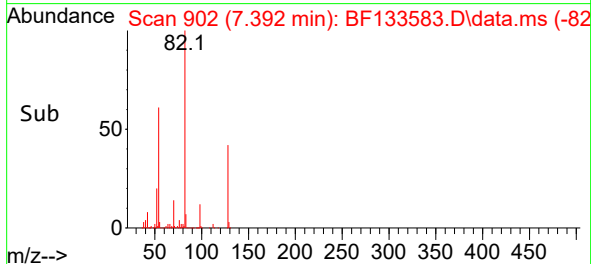
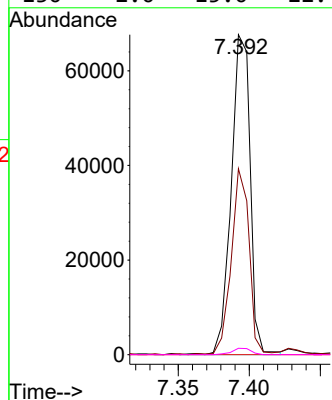
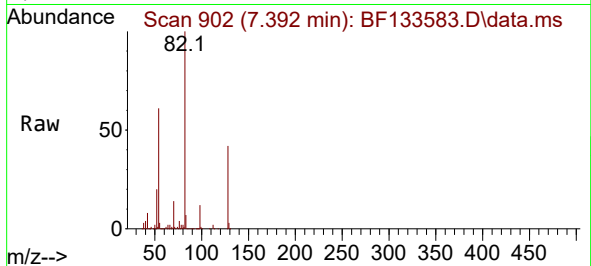




#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

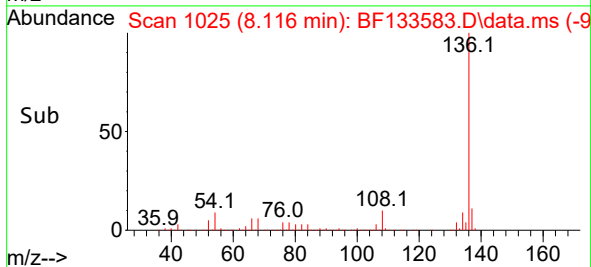
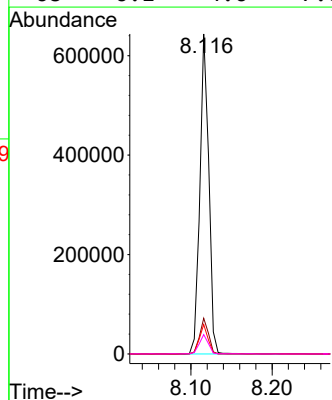
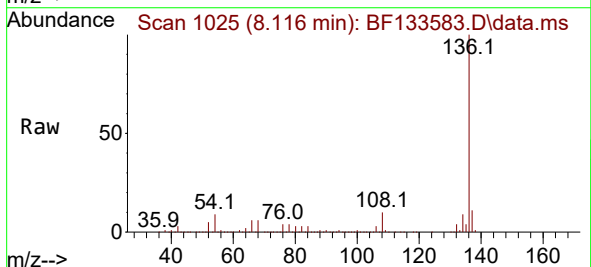
Instrument :
BNA_F
ClientSampleId :
WC18

Tgt Ion: 70 Resp: 62546
Ion Ratio Lower Upper
70 100
42 58.1 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. 0.000 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion: 136 Resp: 492491
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.2 6.6 10.0
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 61.122 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

Instrument :

BNA_F

ClientSampleId :

WC18

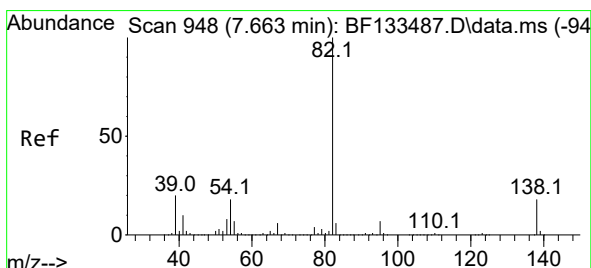
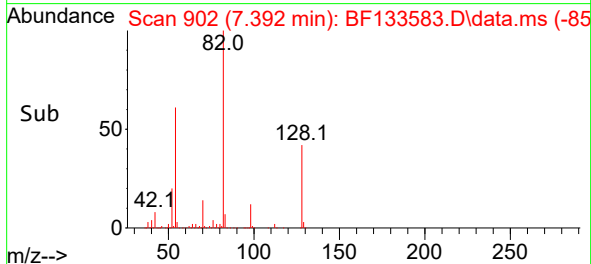
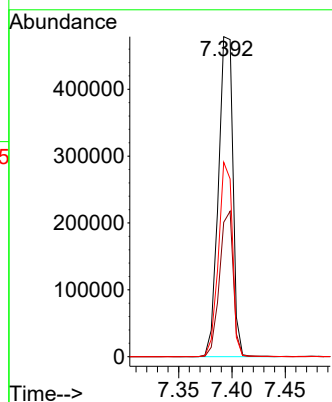
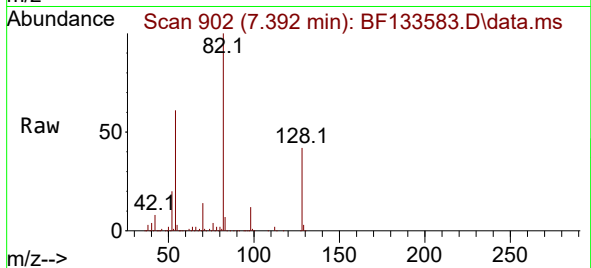
Tgt Ion: 82 Resp: 450838

Ion Ratio Lower Upper

82 100

128 42.0 34.2 51.4

54 60.8 48.2 72.4



#25

Isophorone

Concen: 26.226 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

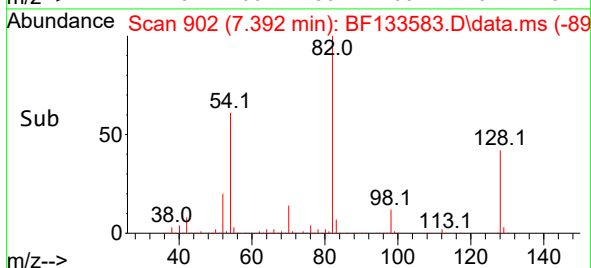
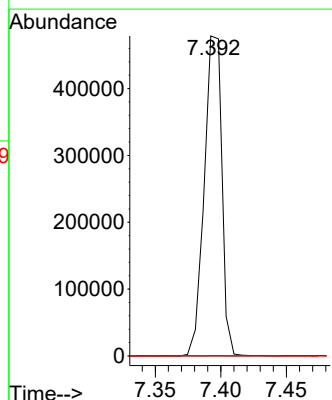
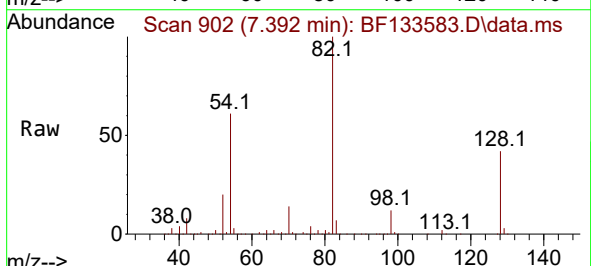
Tgt Ion: 82 Resp: 450843

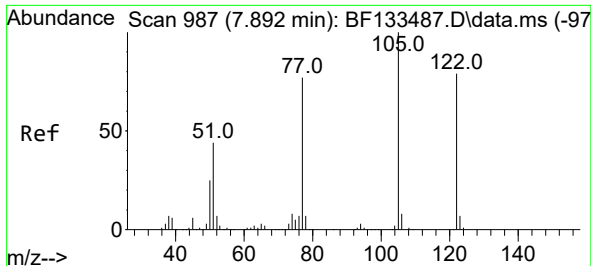
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

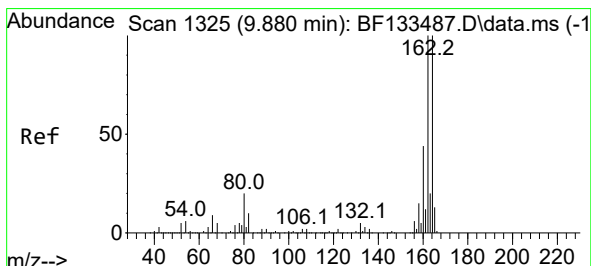
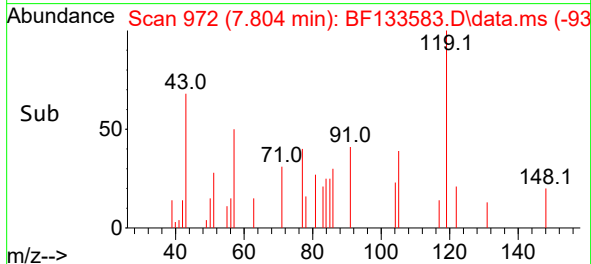
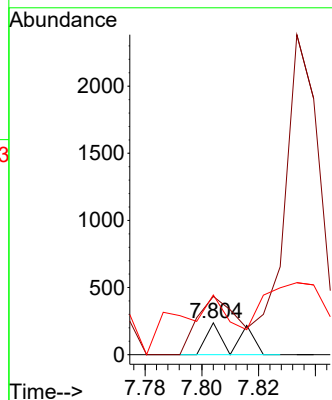
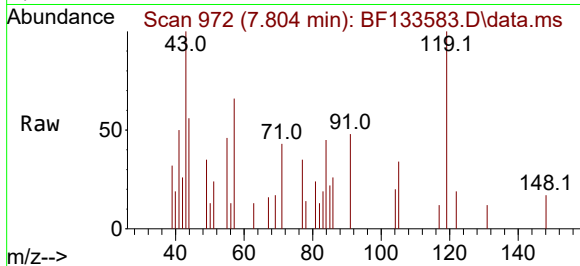




#32
Benzoic acid
Concen: 7.377 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

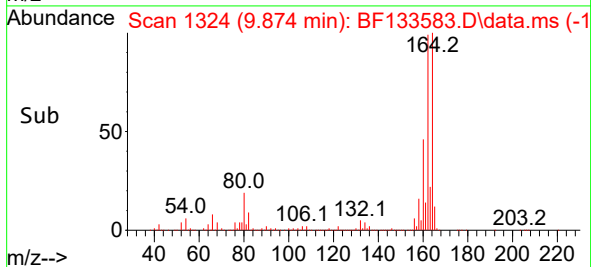
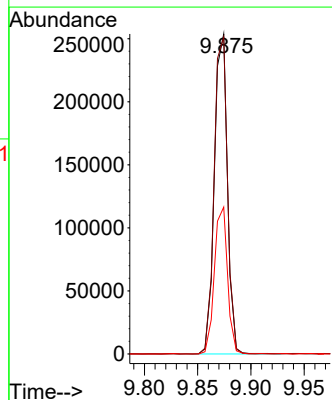
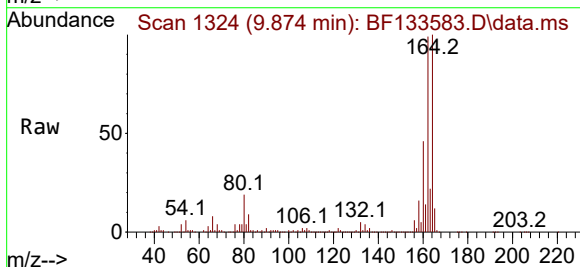
Instrument :
BNA_F
ClientSampleId :
WC18

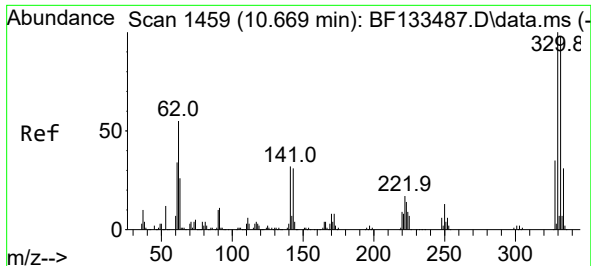
Tgt Ion:122 Resp: 161
Ion Ratio Lower Upper
122 100
105 183.1 103.3 143.3#
77 187.3 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion:164 Resp: 216689
Ion Ratio Lower Upper
164 100
162 99.1 79.7 119.5
160 45.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.454 ng

RT: 10.663 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

Instrument :

BNA_F

ClientSampleId :

WC18

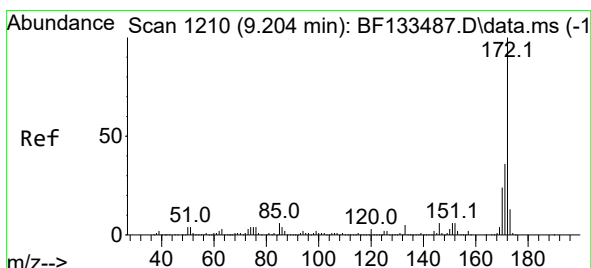
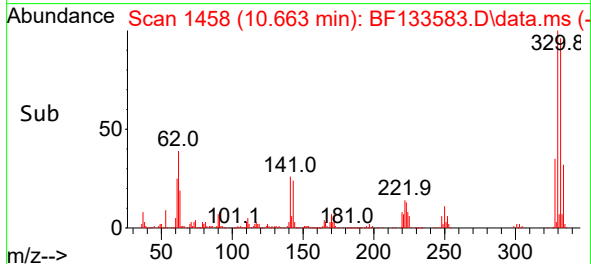
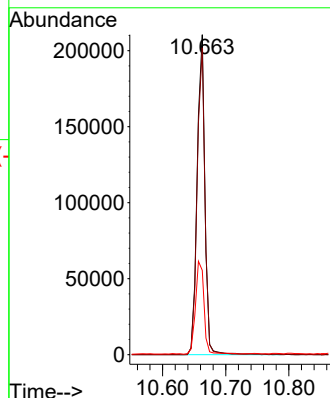
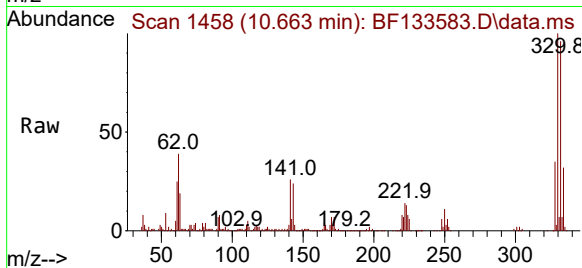
Tgt Ion:330 Resp: 178099

Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

141 32.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 59.798 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

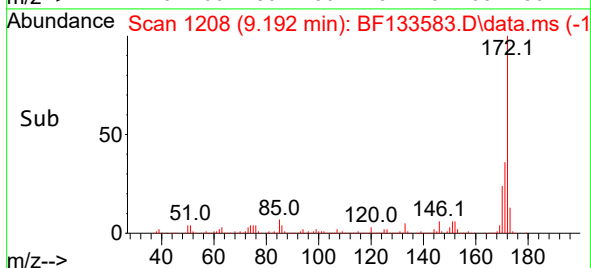
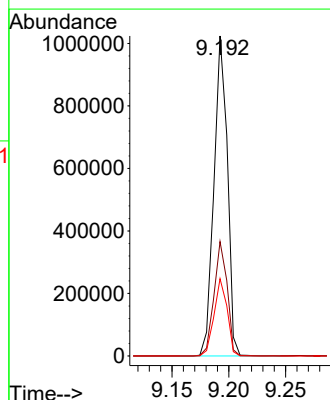
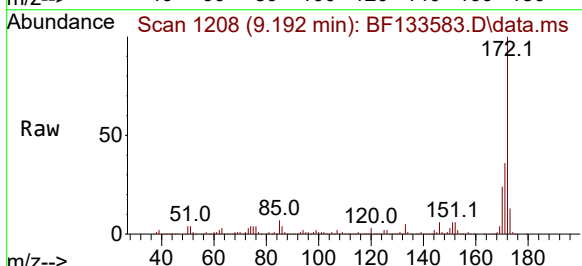
Tgt Ion:172 Resp: 839532

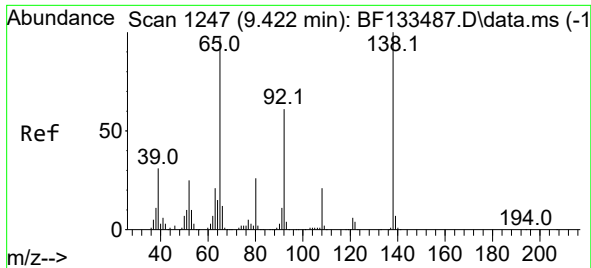
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 24.2 19.3 28.9

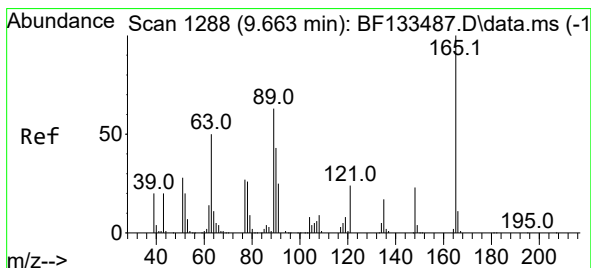
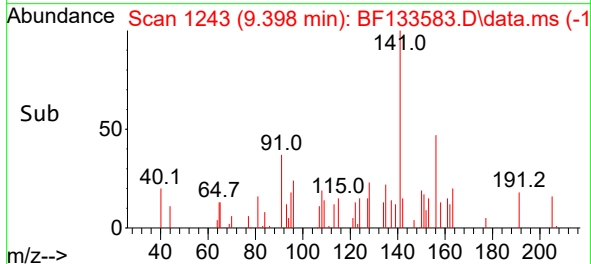
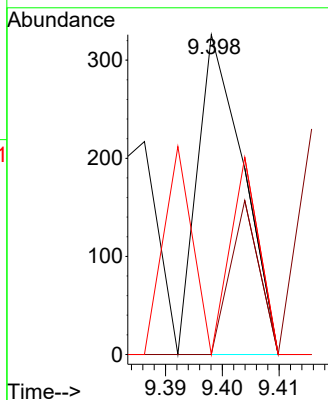
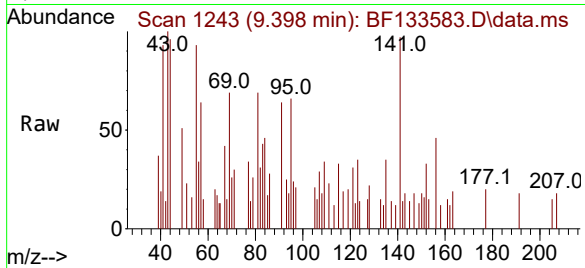




#48
2-Nitroaniline
Concen: 4.031 ng
RT: 9.398 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

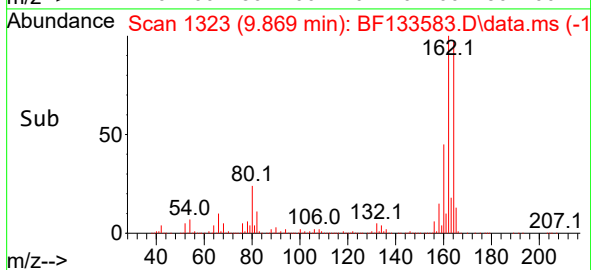
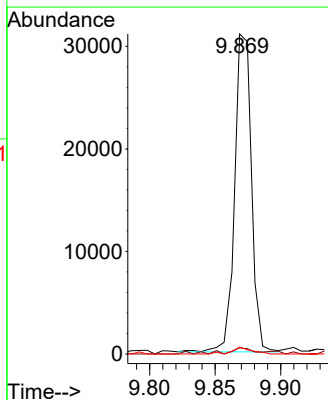
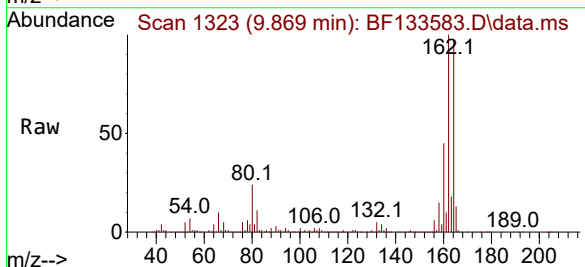
Instrument :
BNA_F
ClientSampleId :
WC18

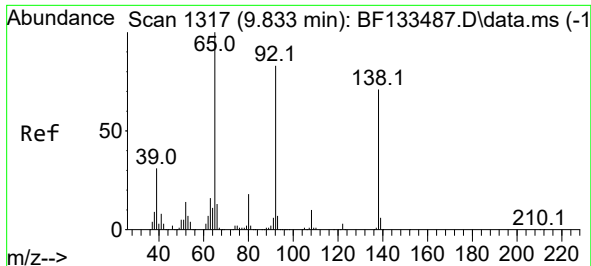
Tgt Ion: 65 Resp: 182
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.531 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion: 165 Resp: 27751
Ion Ratio Lower Upper
165 100
63 1.9 57.0 85.4#
89 2.2 50.8 76.2#

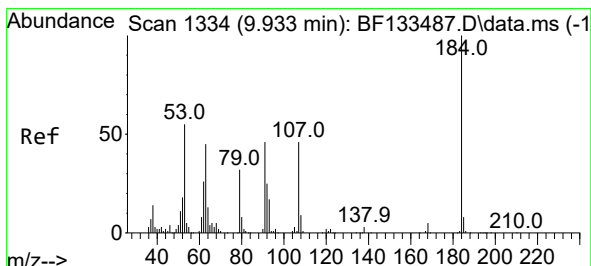
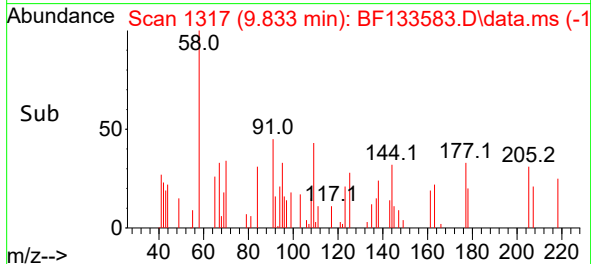
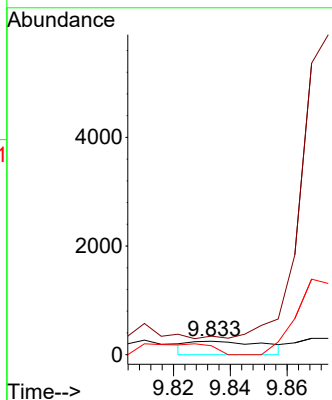
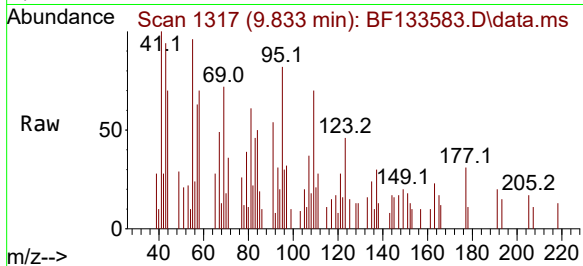




#53
3-Nitroaniline
Concen: 3.298 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

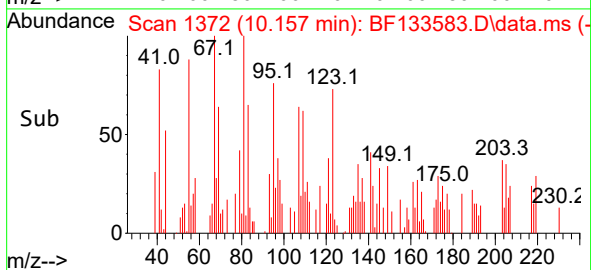
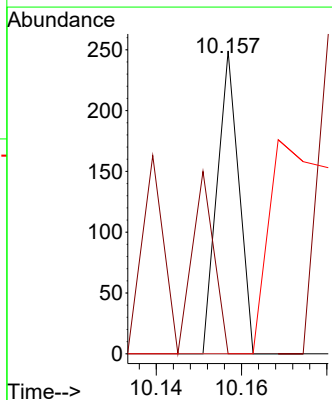
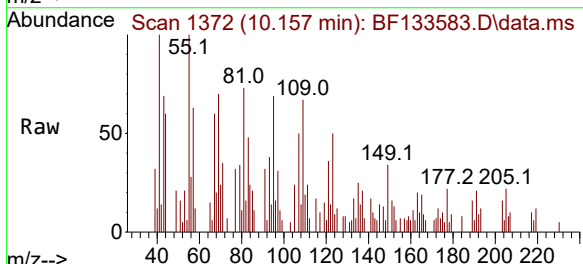
Instrument :
BNA_F
ClientSampleId :
WC18

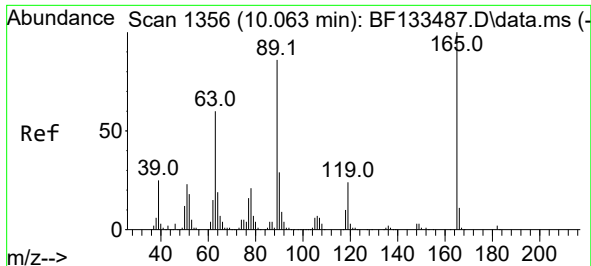
Tgt Ion:138 Resp: 460
Ion Ratio Lower Upper
138 100
108 138.6 11.9 17.9#
92 66.7 93.1 139.7#



#54
2,4-Dinitrophenol
Concen: 6.591 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.235 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

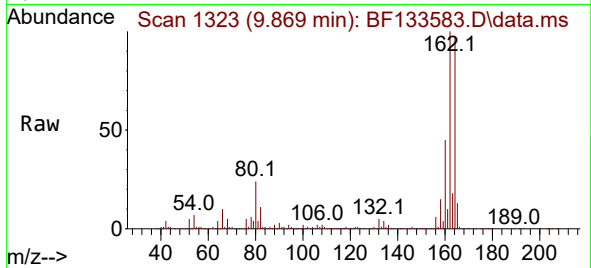
Tgt Ion:184 Resp: 88
Ion Ratio Lower Upper
184 100
63 0.0 55.7 83.5#
154 0.0 49.3 73.9#



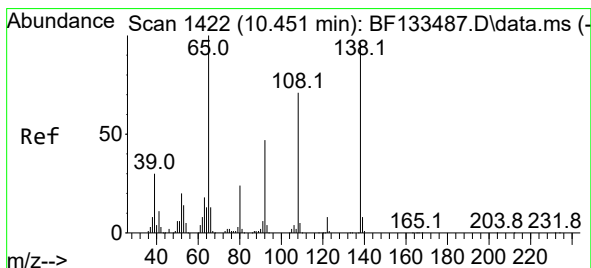
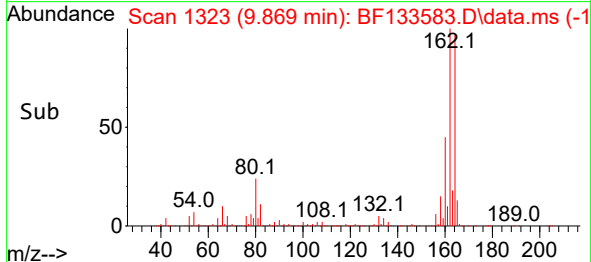
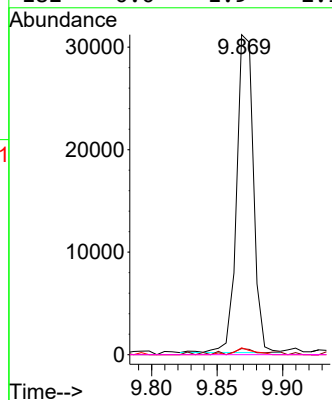


#57
2,4-Dinitrotoluene
Concen: 11.704 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Instrument :
BNA_F
ClientSampleId :
WC18

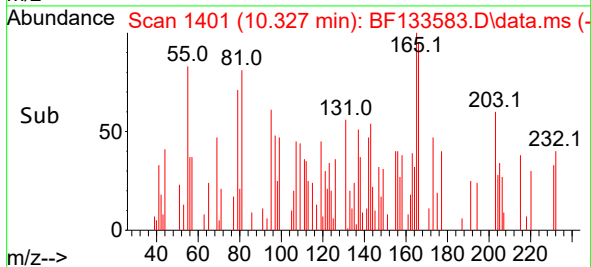
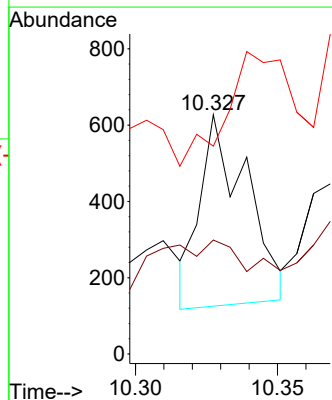
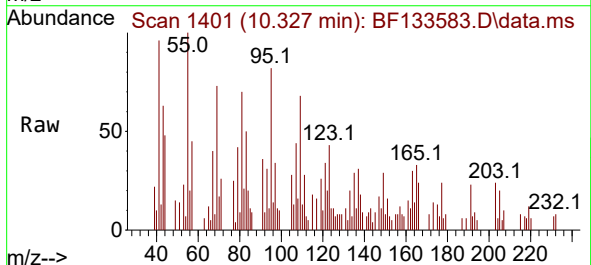


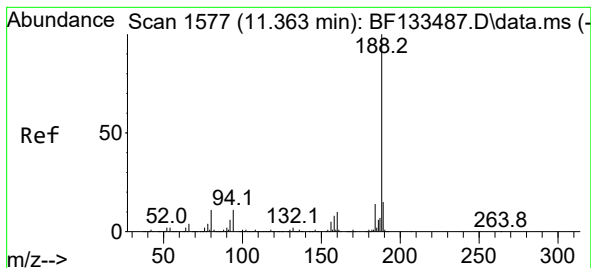
Tgt Ion:165 Resp: 27751
Ion Ratio Lower Upper
165 100
63 1.9 48.1 72.1#
89 2.2 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.132 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.112 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion:138 Resp: 574
Ion Ratio Lower Upper
138 100
92 47.7 28.4 68.4
108 86.9 54.2 94.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

Instrument :

BNA_F

ClientSampleId :

WC18

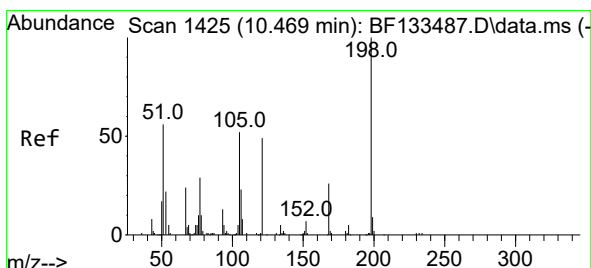
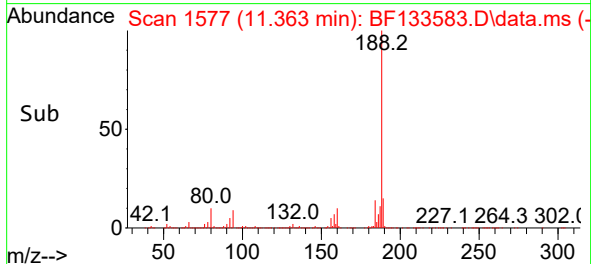
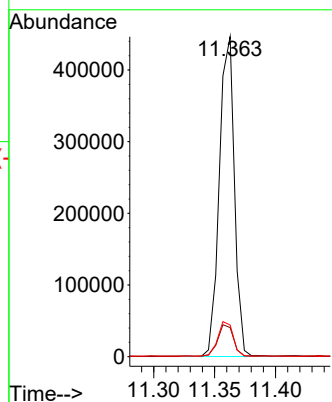
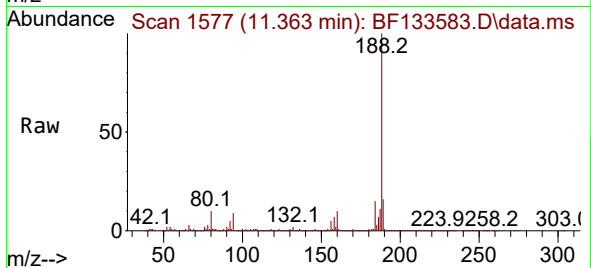
Tgt Ion:188 Resp: 385707

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

80 9.9 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.965 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.200 min

Lab File: BF133583.D

Acq: 06 Jun 2023 00:23

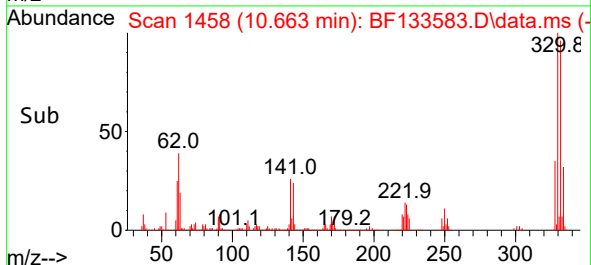
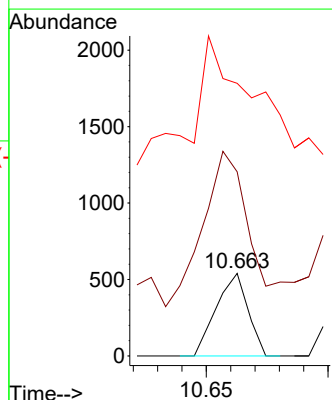
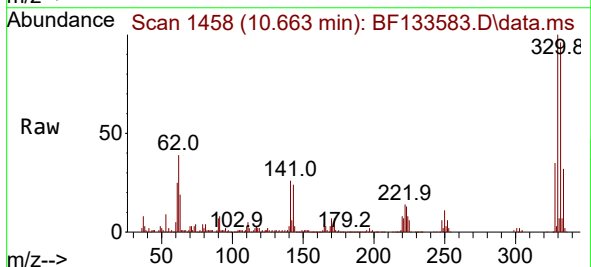
Tgt Ion:198 Resp: 488

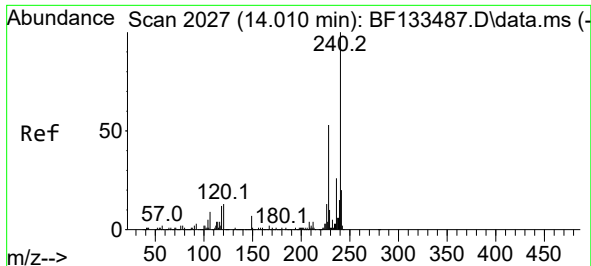
Ion Ratio Lower Upper

198 100

51 223.0 53.6 93.6#

105 330.2 35.9 75.9#

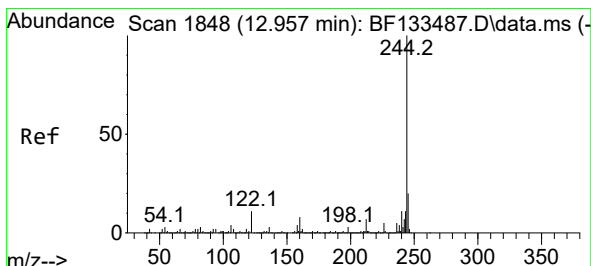
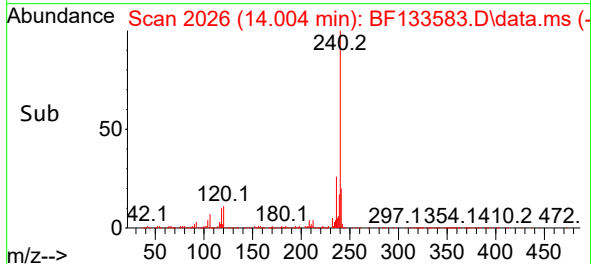
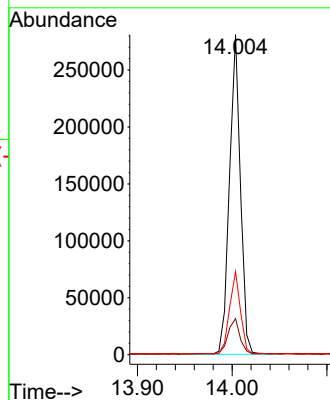
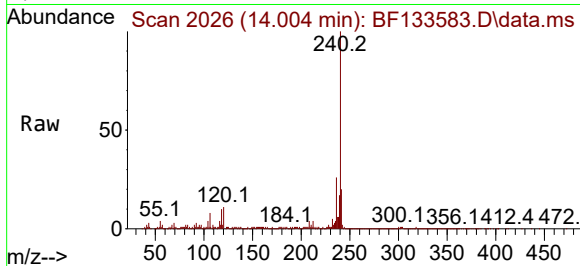




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

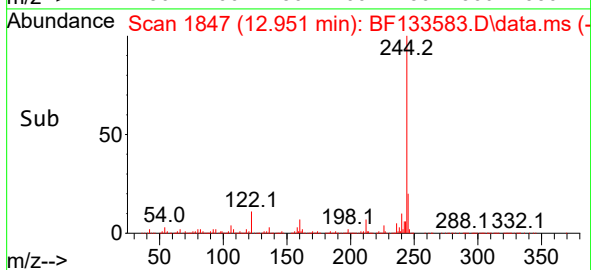
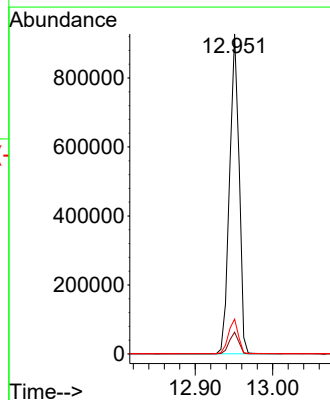
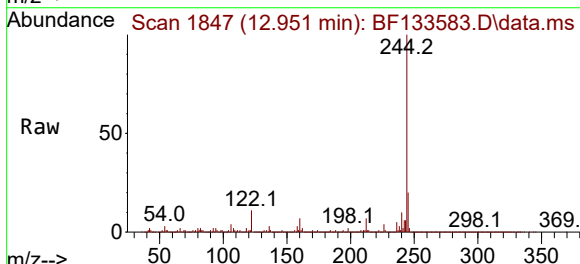
Instrument :
BNA_F
ClientSampleId :
WC18

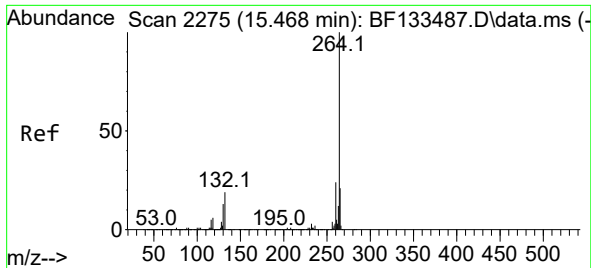
Tgt Ion:240 Resp: 227422
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 62.062 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.006 min
Lab File: BF133583.D
Acq: 06 Jun 2023 00:23

Tgt Ion:244 Resp: 793841
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 10.9 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF133583.D
 Acq: 06 Jun 2023 00:23

Instrument :
 BNA_F
 ClientSampleId :
 WC18

Tgt Ion:264 Resp: 193940

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	22.1	16.8	25.2

