

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133593.D
 Acq On : 06 Jun 2023 15:59
 Operator : CG\JU
 Sample : 02983-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC18

Quant Time: Jun 06 16:20:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

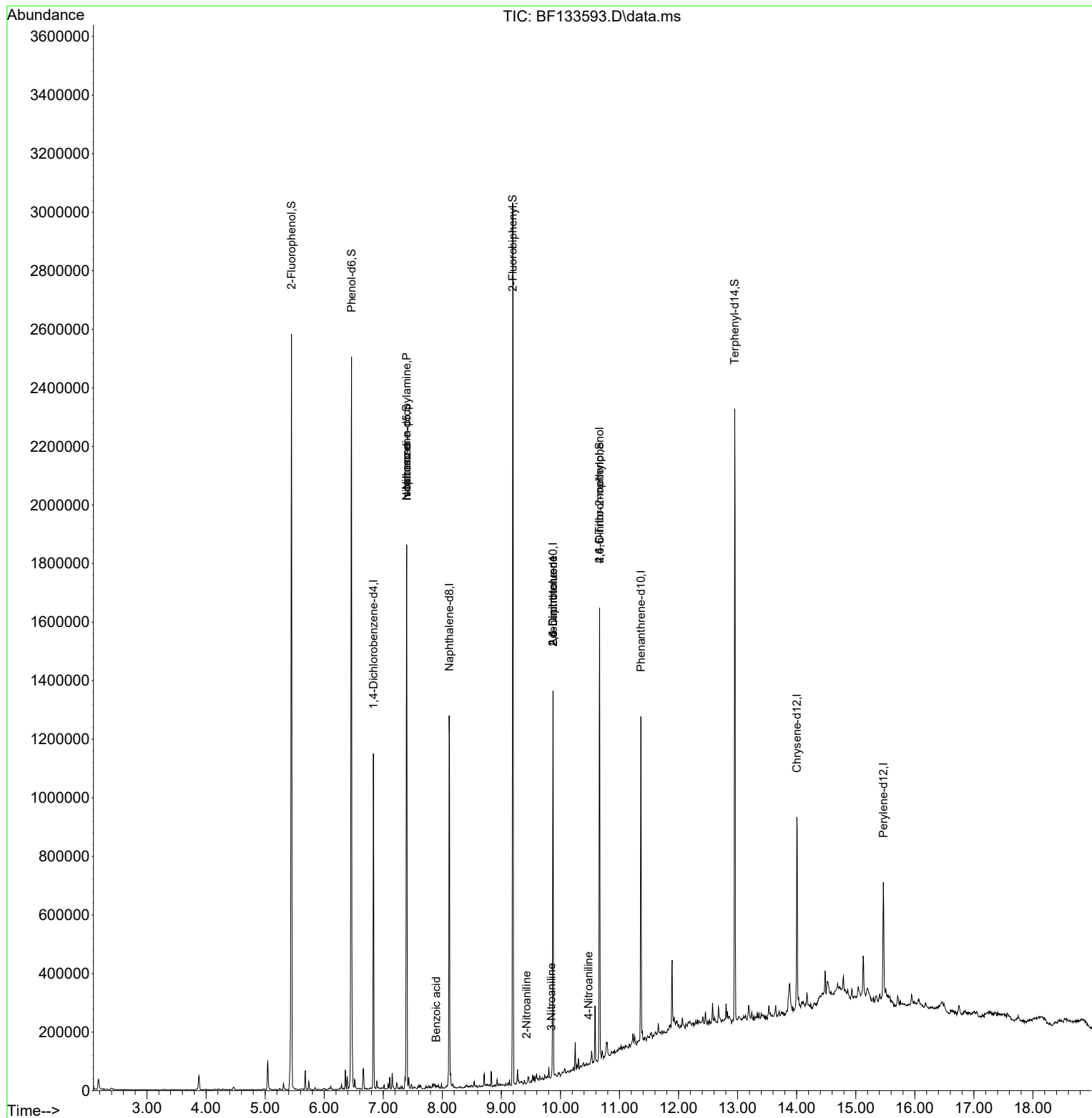
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	148761	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	537427	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	233275	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	371500	20.000	ng	0.00
76) Chrysene-d12	14.004	240	220869	20.000	ng	0.00
86) Perylene-d12	15.468	264	176475	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	670986	75.256	ng	0.00
7) Phenol-d6	6.463	99	796543	72.573	ng	0.00
23) Nitrobenzene-d5	7.398	82	509521	63.302	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	172905	74.357	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	911695	60.321	ng	0.00
79) Terphenyl-d14	12.951	244	738978	59.487	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.386	77	2133	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	71199	10.026	ng	# 75
25) Isophorone	7.398	82	509605	27.166	ng	# 65
32) Benzoic acid	7.898	122	71	7.361	ng	# 20
48) 2-Nitroaniline	9.427	65	509	4.096	ng	# 31
51) 2,6-Dinitrotoluene	9.875	165	31298	12.952	ng	# 18
53) 3-Nitroaniline	9.845	138	531	3.307	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	31298	12.035	ng	# 15
62) 4-Nitroaniline	10.474	138	450	3.092	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.663	198	463	8.961	ng	# 1

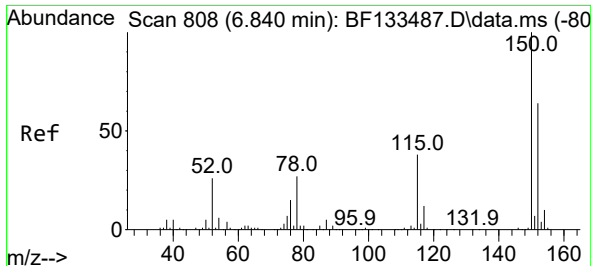
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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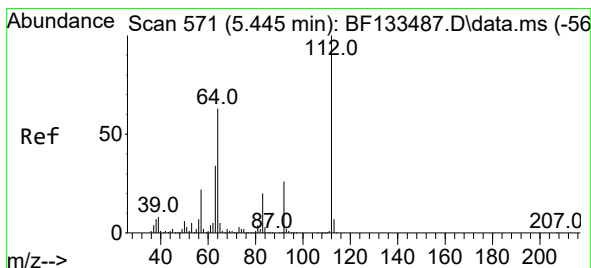
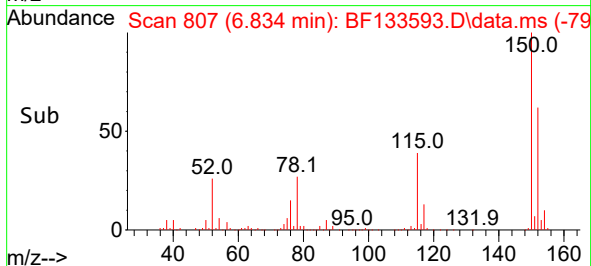
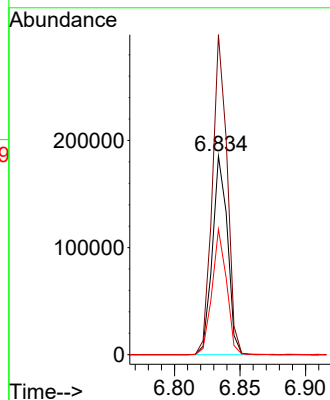
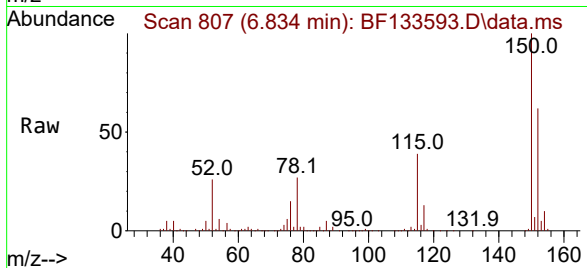




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

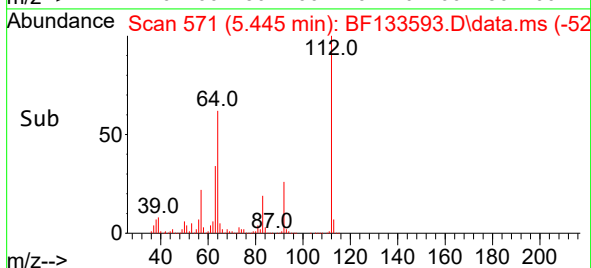
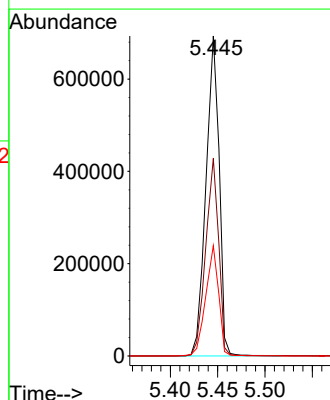
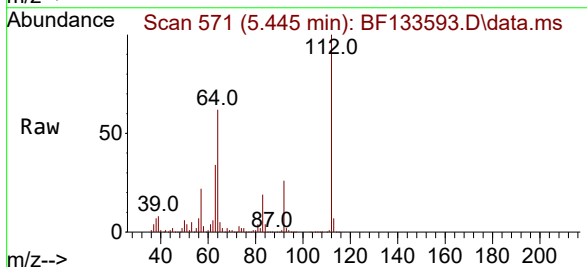
Instrument :
BNA_F
ClientSampleId :
WC18

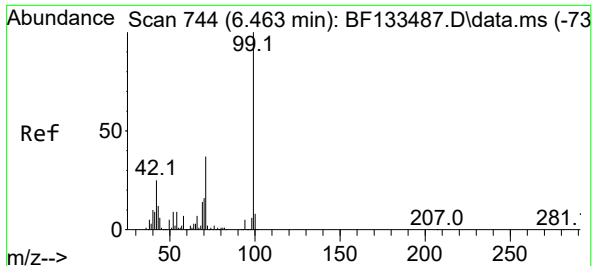
Tgt Ion:152 Resp: 148761
Ion Ratio Lower Upper
152 100
150 161.2 124.9 187.3
115 63.2 48.1 72.1



#5
2-Fluorophenol
Concen: 75.256 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion:112 Resp: 670986
Ion Ratio Lower Upper
112 100
64 61.8 50.1 75.1
63 34.5 27.5 41.3

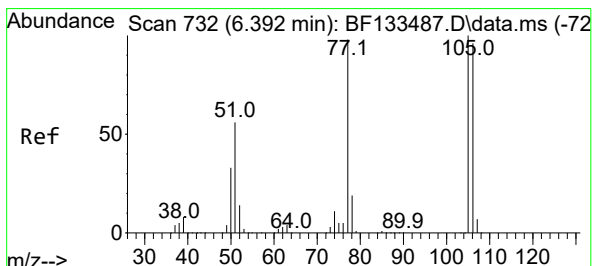
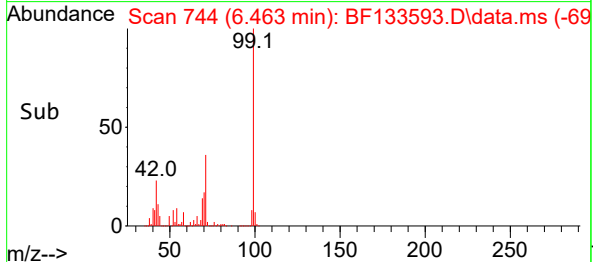
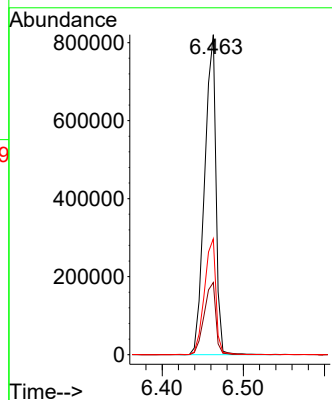
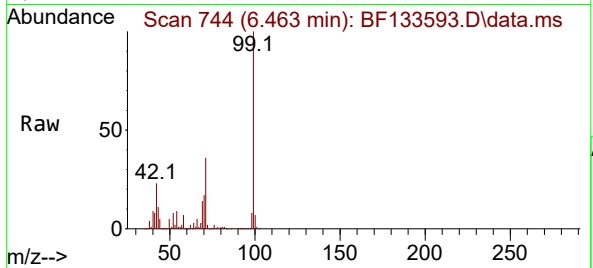




#7
Phenol-d6
Concen: 72.573 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

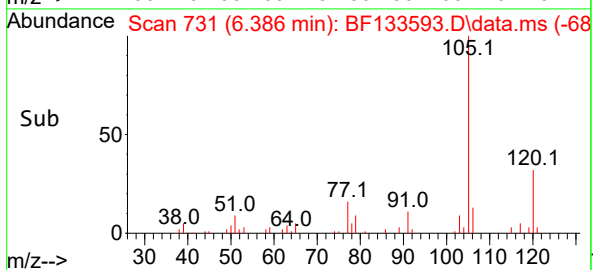
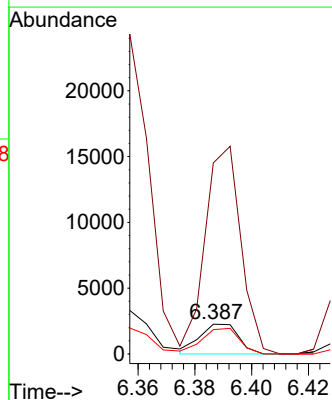
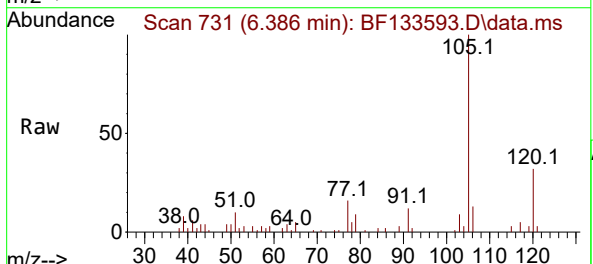
Instrument :
BNA_F
ClientSampleId :
WC18

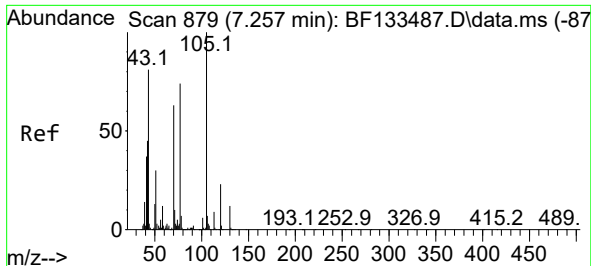
Tgt Ion: 99 Resp: 796543
Ion Ratio Lower Upper
99 100
42 22.5 19.7 29.5
71 36.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion: 77 Resp: 2133
Ion Ratio Lower Upper
77 100
105 642.0 81.9 121.9#
106 81.6 77.8 117.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.026 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF133593.D

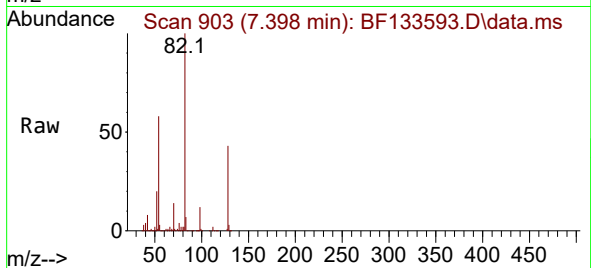
Acq: 06 Jun 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC18



Tgt Ion: 70 Resp: 71199

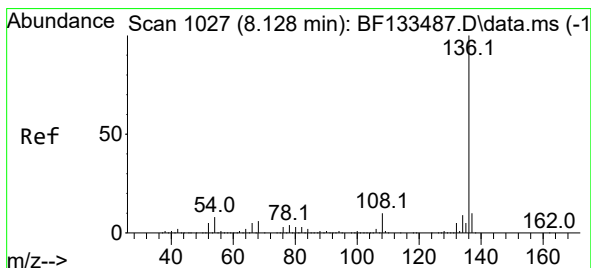
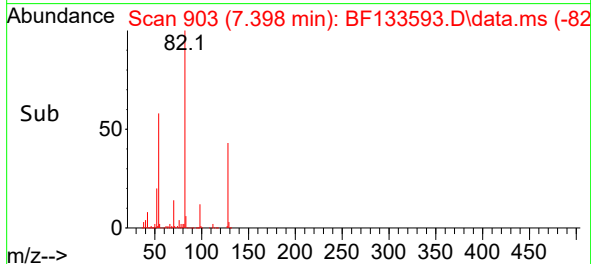
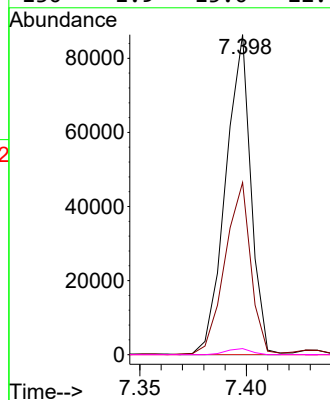
Ion Ratio Lower Upper

70 100

42 53.8 57.2 85.8#

101 0.0 7.3 10.9#

130 1.9 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF133593.D

Acq: 06 Jun 2023 15:59

Tgt Ion: 136 Resp: 537427

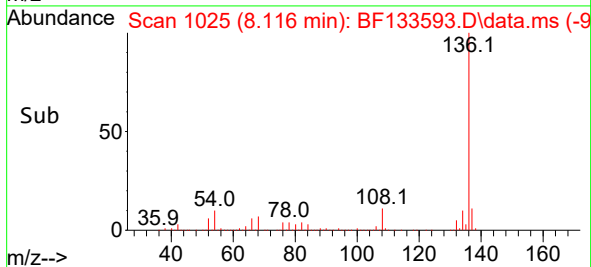
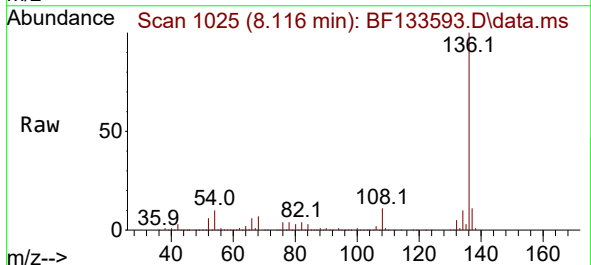
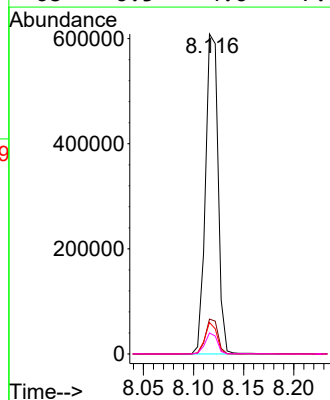
Ion Ratio Lower Upper

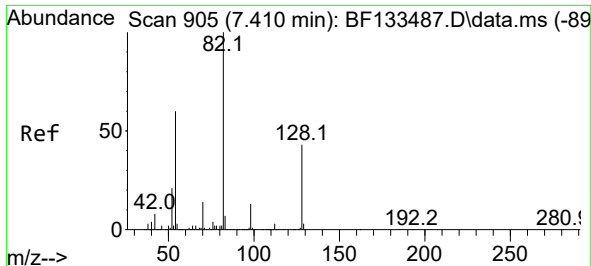
136 100

137 10.9 8.2 12.4

54 9.9 6.6 10.0

68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 63.302 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133593.D

Acq: 06 Jun 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC18

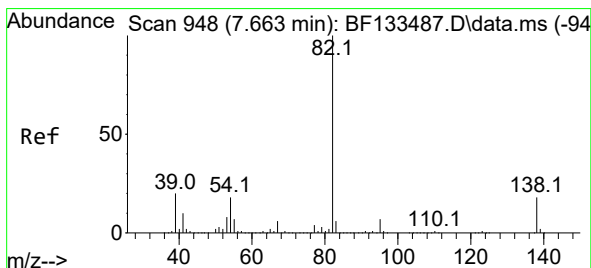
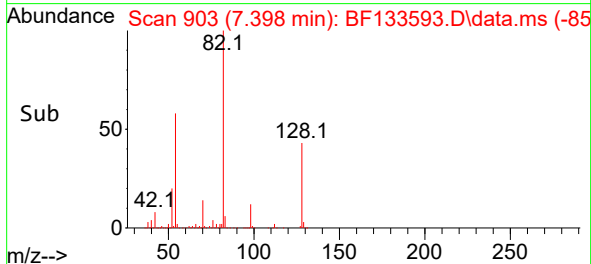
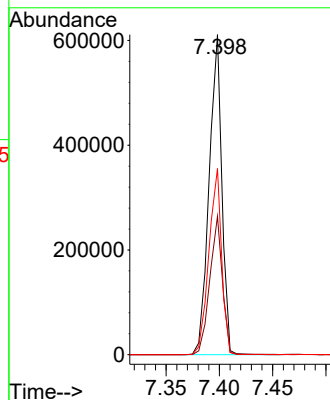
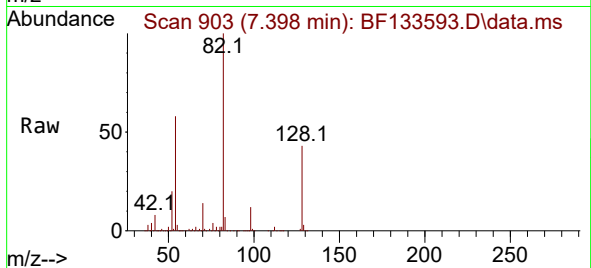
Tgt Ion: 82 Resp: 509521

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

54 58.2 48.2 72.4



#25

Isophorone

Concen: 27.166 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133593.D

Acq: 06 Jun 2023 15:59

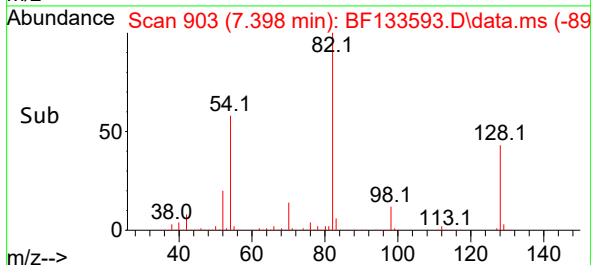
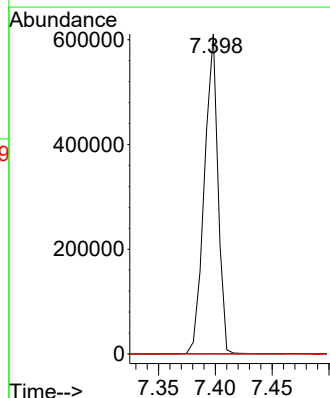
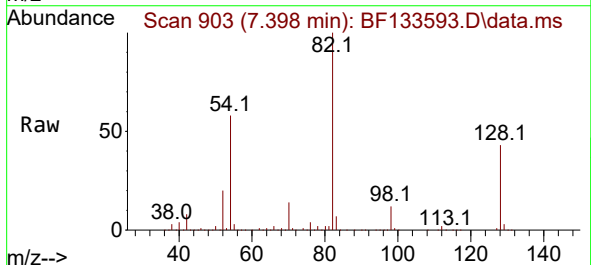
Tgt Ion: 82 Resp: 509605

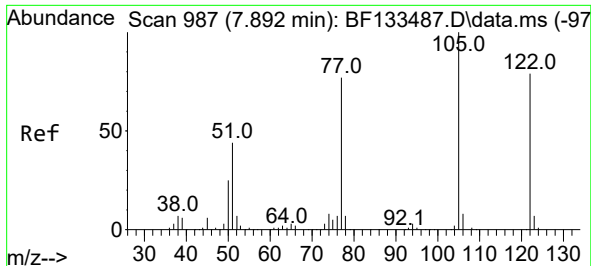
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

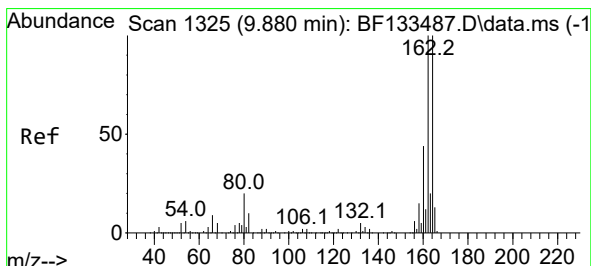
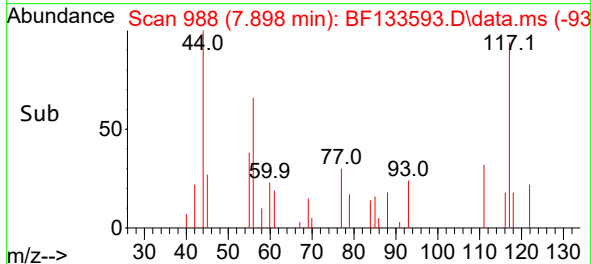
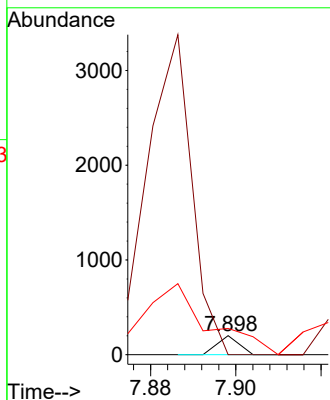
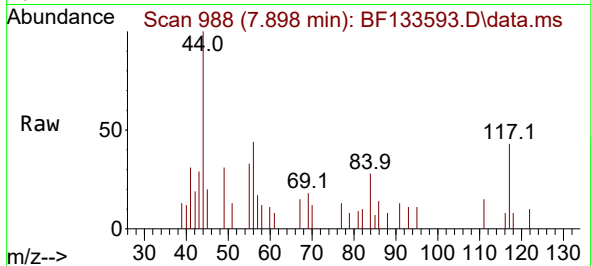




#32
Benzoic acid
Concen: 7.361 ng
RT: 7.898 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

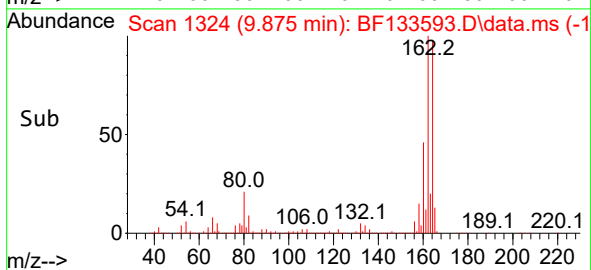
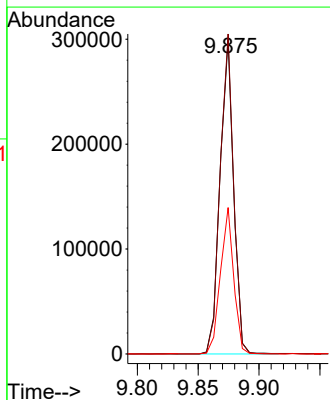
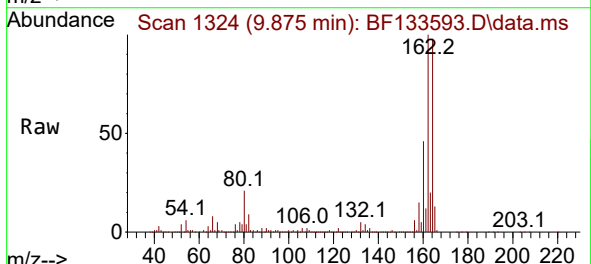
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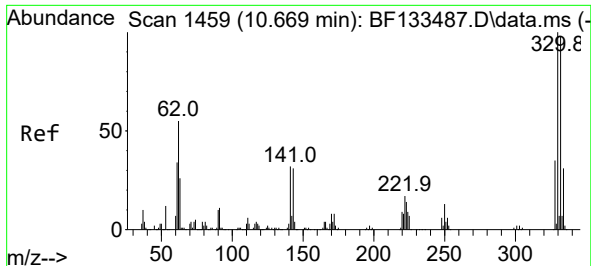
Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 137.6 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion:164 Resp: 233275
Ion Ratio Lower Upper
164 100
162 102.0 79.7 119.5
160 46.7 35.4 53.0

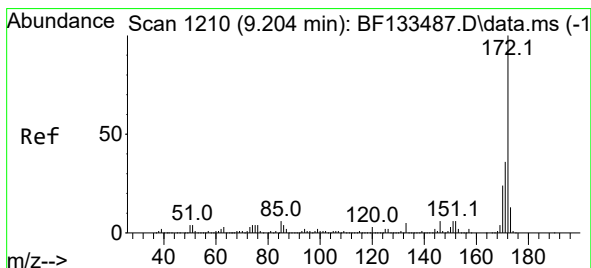
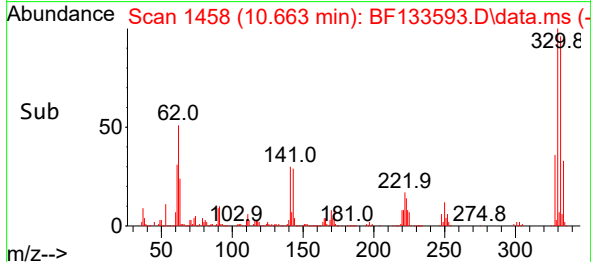
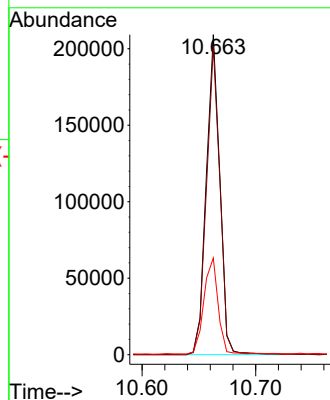
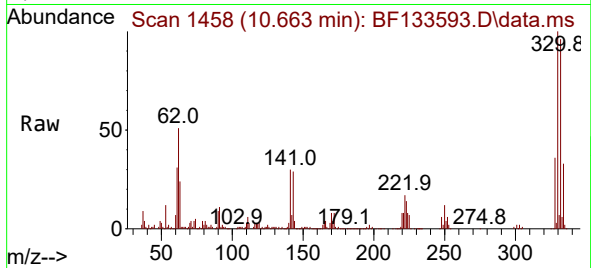




#42
2,4,6-Tribromophenol
Concen: 74.357 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

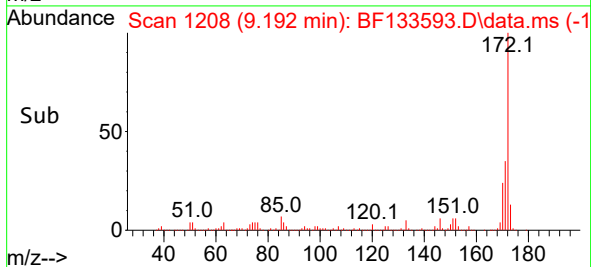
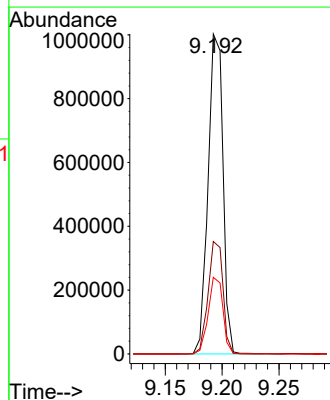
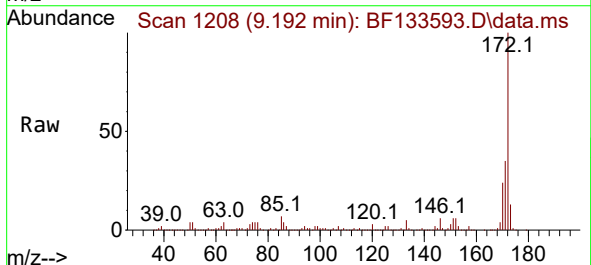
Instrument :
BNA_F
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WC18

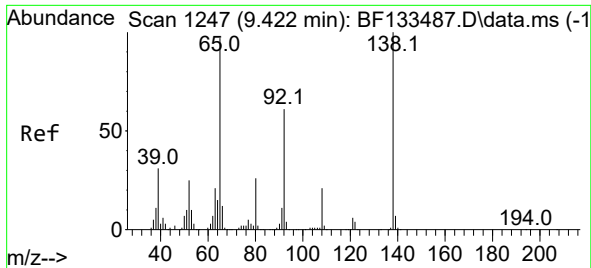
Tgt Ion: 330 Resp: 172905
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.6
141 31.1 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 60.321 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion: 172 Resp: 911695
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 24.0 19.3 28.9

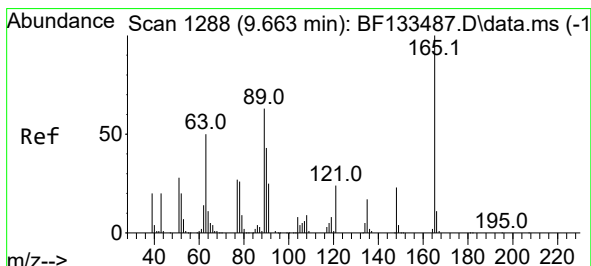
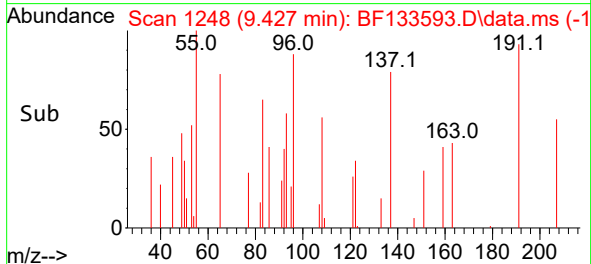
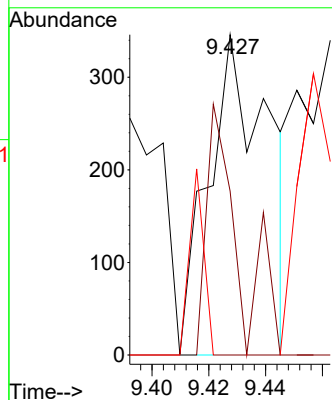
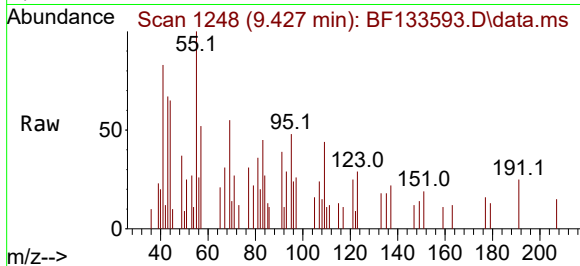




#48
2-Nitroaniline
Concen: 4.096 ng
RT: 9.427 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

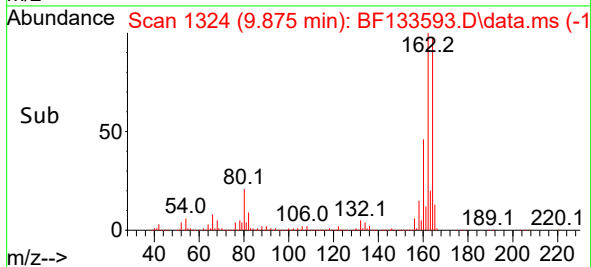
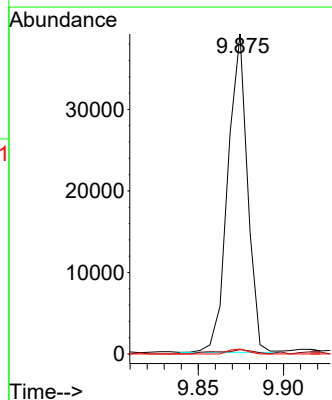
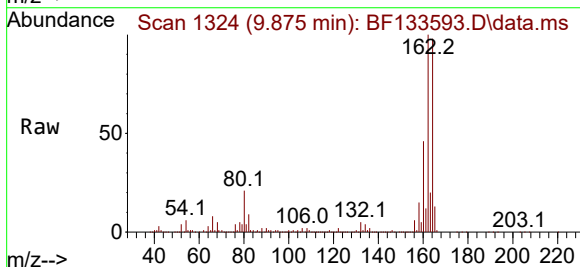
Instrument :
BNA_F
ClientSampleId :
WC18

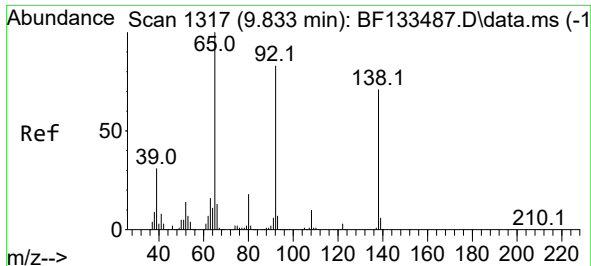
Tgt Ion: 65 Resp: 509
Ion Ratio Lower Upper
65 100
92 51.2 50.8 76.2
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.952 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion: 165 Resp: 31298
Ion Ratio Lower Upper
165 100
63 1.4 57.0 85.4#
89 1.5 50.8 76.2#

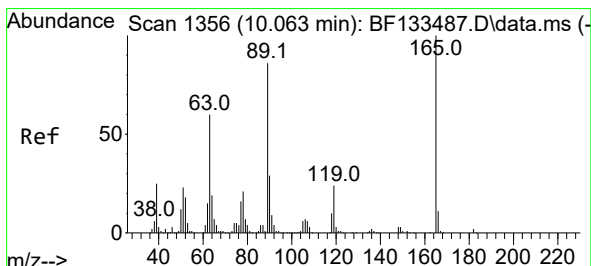
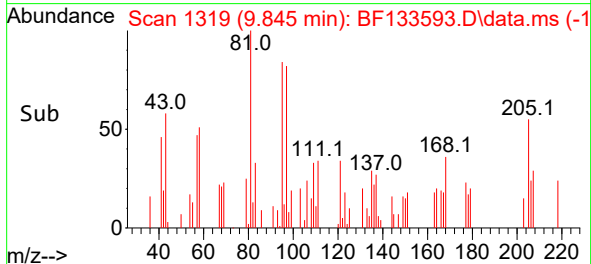
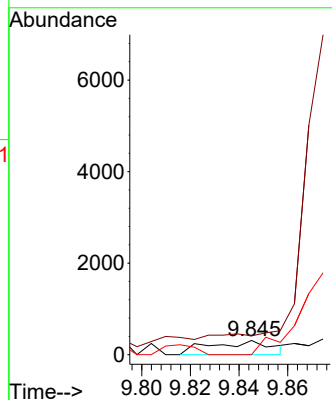
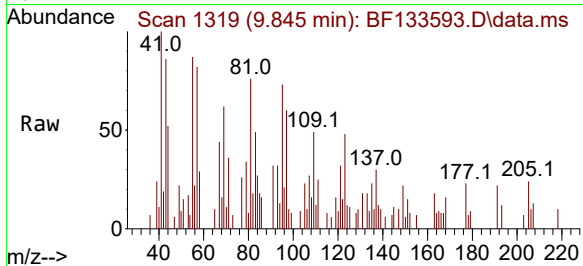




#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

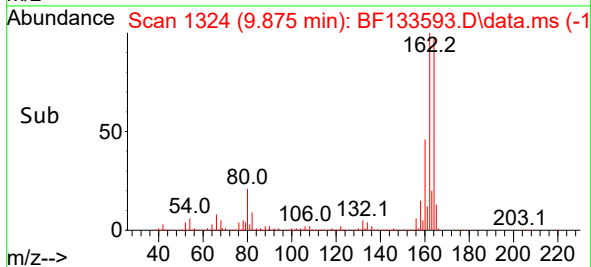
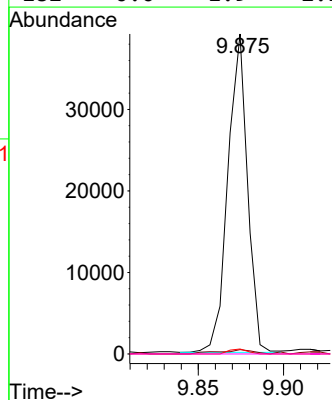
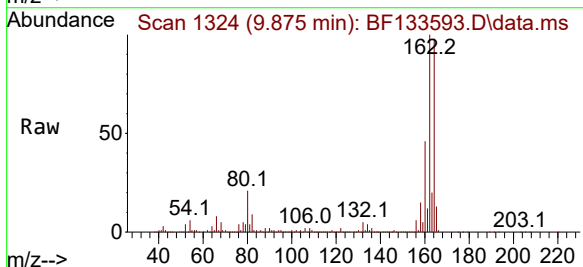
Instrument :
BNA_F
ClientSampleId :
WC18

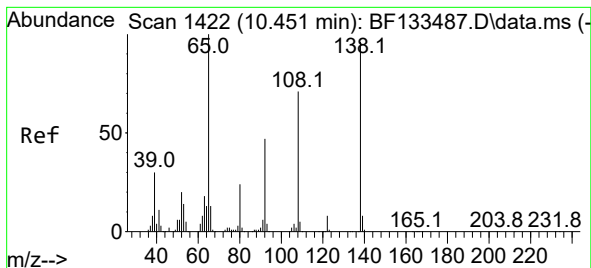
Tgt Ion:138 Resp: 531
Ion Ratio Lower Upper
138 100
108 133.5 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 12.035 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion:165 Resp: 31298
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#

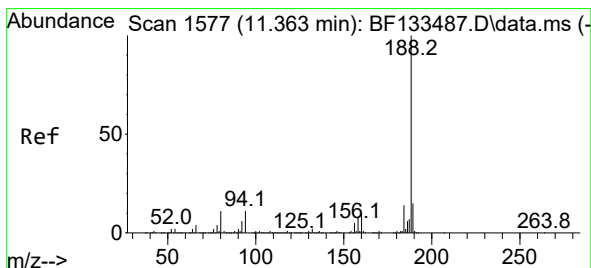
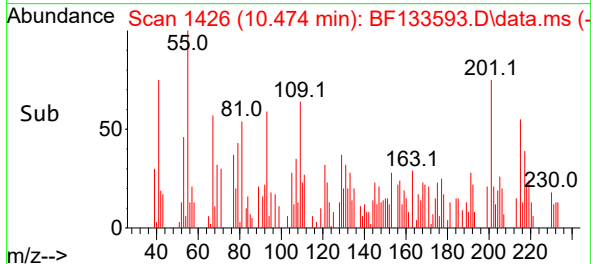
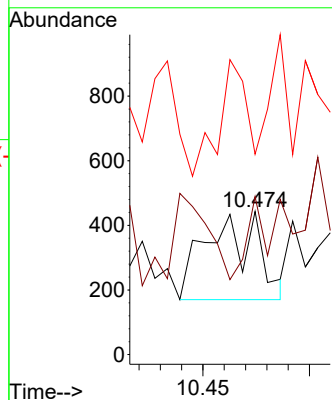
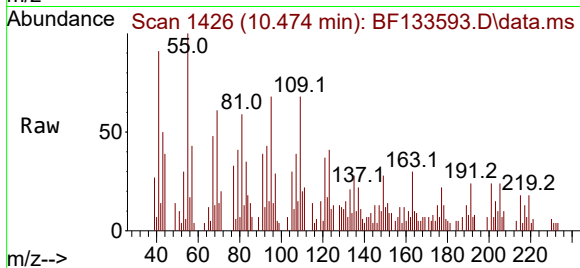




#62
4-Nitroaniline
Concen: 3.092 ng
RT: 10.474 min Scan# 1422
Delta R.T. 0.029 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

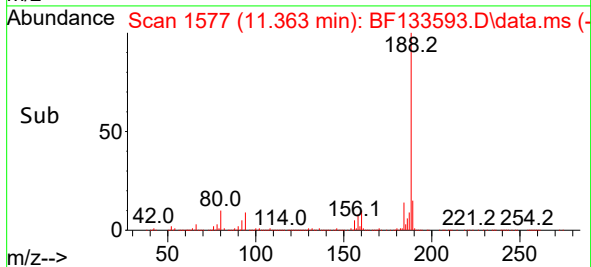
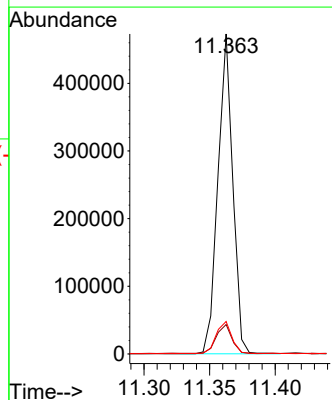
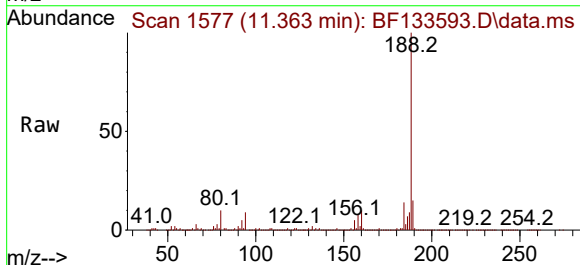
Instrument :
BNA_F
ClientSampleId :
WC18

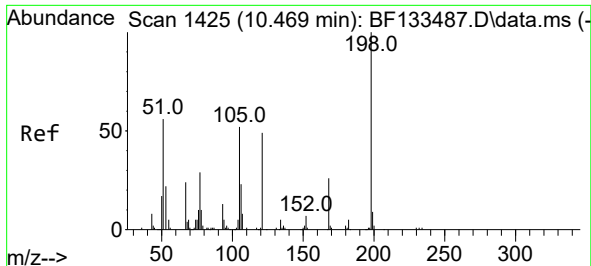
Tgt Ion:138 Resp: 450
Ion Ratio Lower Upper
138 100
92 110.4 28.4 68.4#
108 140.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion:188 Resp: 371500
Ion Ratio Lower Upper
188 100
94 9.2 8.6 12.8
80 10.1 9.2 13.8

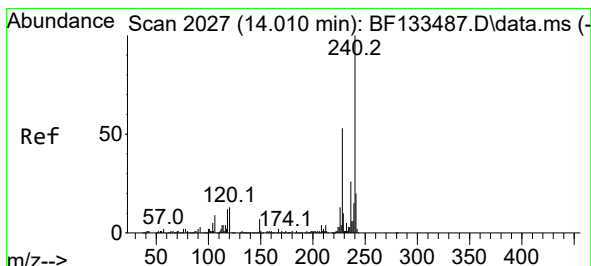
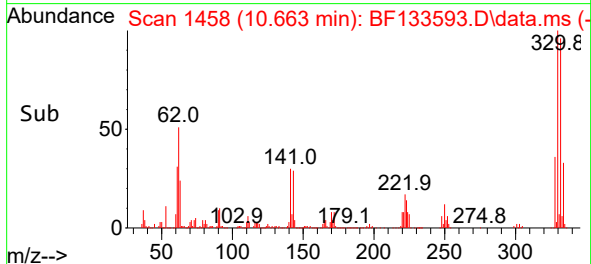
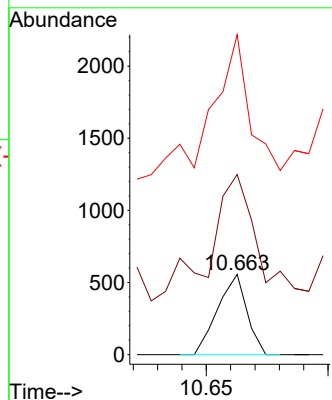
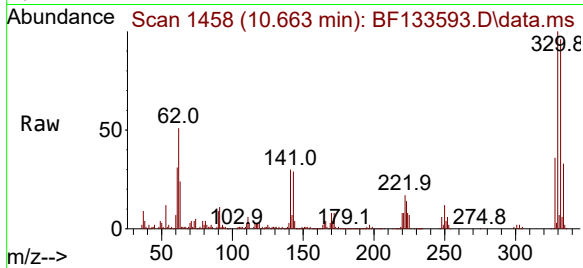




#65
4,6-Dinitro-2-methylphenol
Concen: 8.961 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.188 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

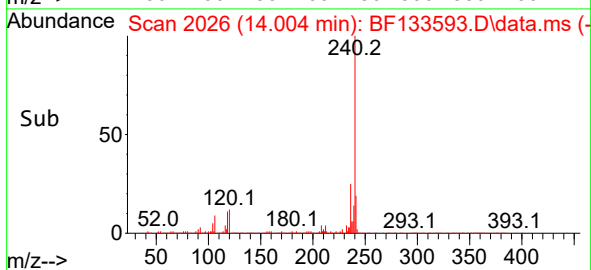
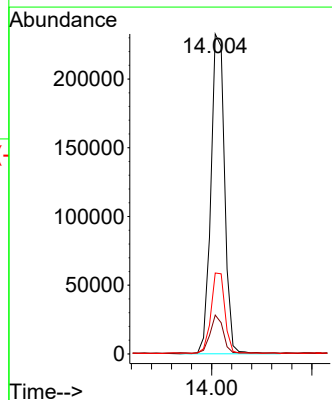
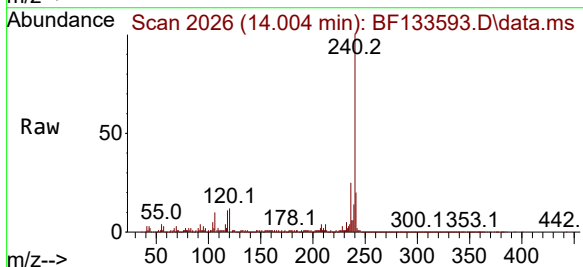
Instrument :
BNA_F
ClientSampleId :
WC18

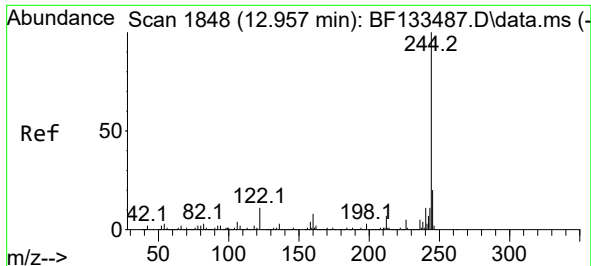
Tgt Ion:198 Resp: 463
Ion Ratio Lower Upper
198 100
51 224.6 53.6 93.6#
105 398.9 35.9 75.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133593.D
Acq: 06 Jun 2023 15:59

Tgt Ion:240 Resp: 220869
Ion Ratio Lower Upper
240 100
120 12.2 10.3 15.5
236 25.3 20.5 30.7

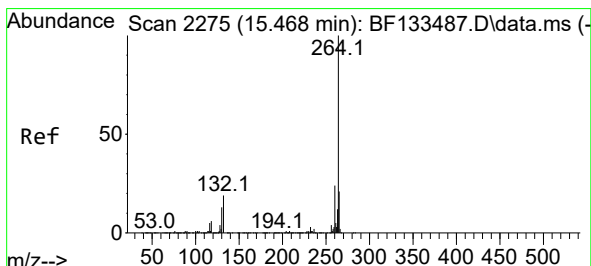
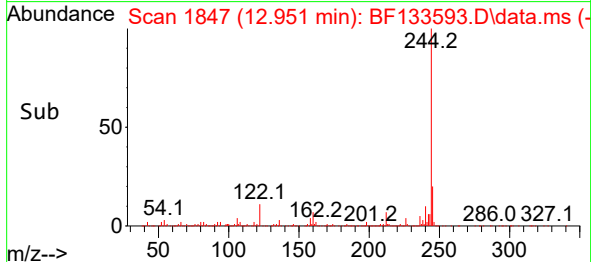
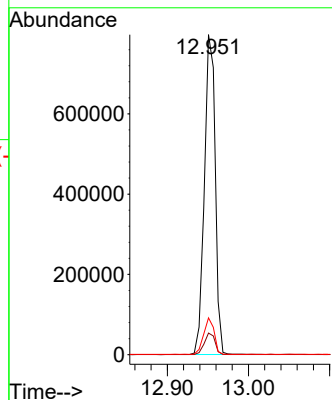
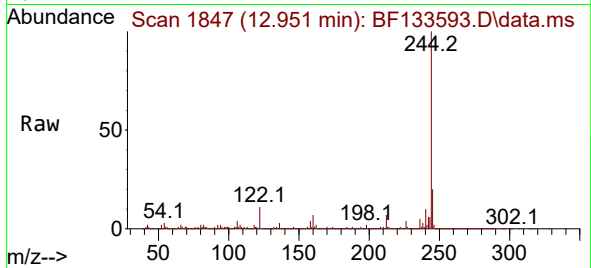




#79
 Terphenyl-d14
 Concen: 59.487 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133593.D
 Acq: 06 Jun 2023 15:59

Instrument :
 BNA_F
 ClientSampleId :
 WC18

Tgt Ion:244 Resp: 738978
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.5 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. 0.000 min
 Lab File: BF133593.D
 Acq: 06 Jun 2023 15:59

Tgt Ion:264 Resp: 176475
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 22.5 16.8 25.2

