

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133592.D
 Acq On : 06 Jun 2023 15:27
 Operator : CG\JU
 Sample : 03010-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Quant Time: Jun 06 16:01:39 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)

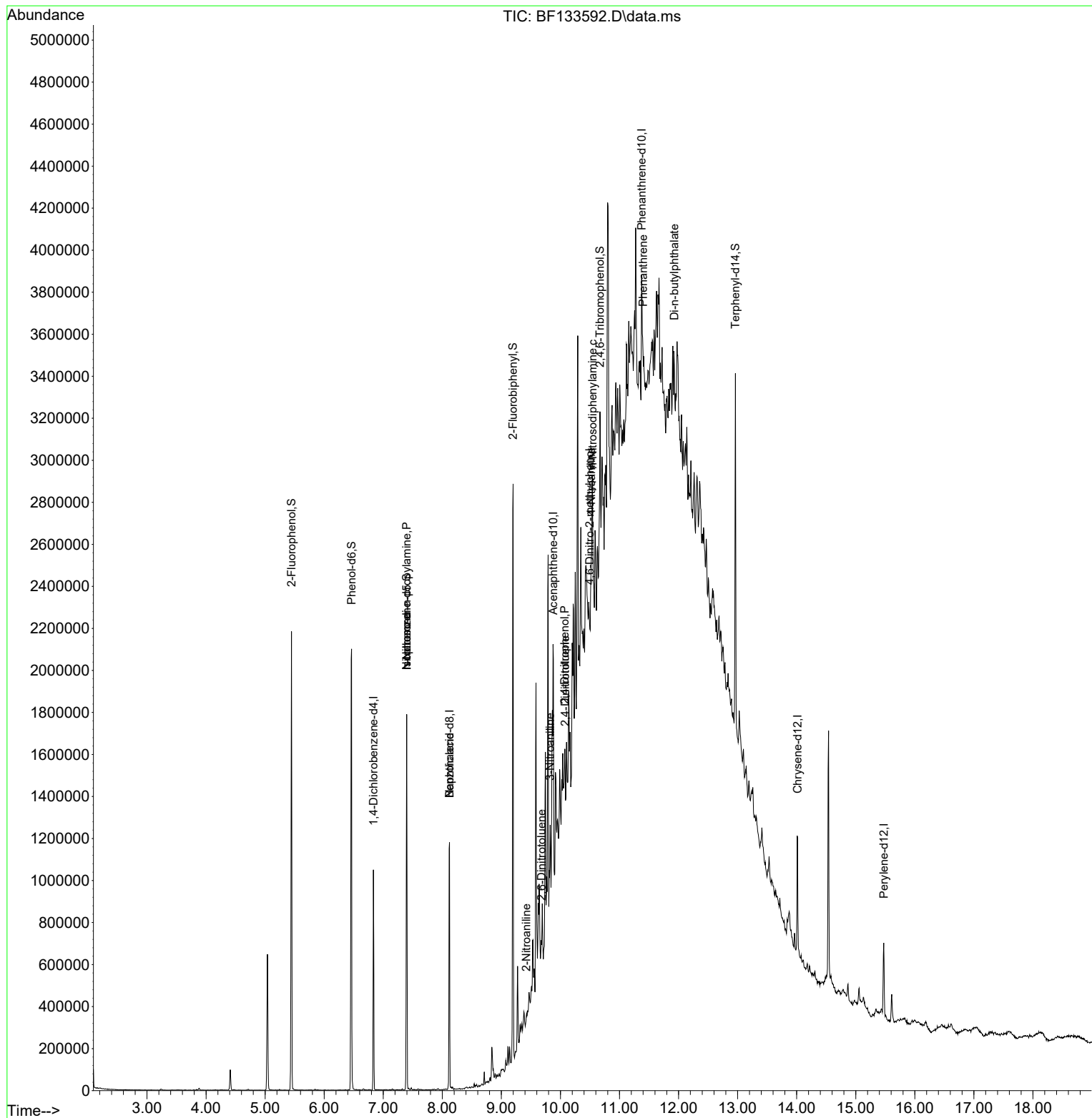
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	138205	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	513036	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	194773	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	246187	20.000	ng	# 0.01
76) Chrysene-d12	14.016	240	198098	20.000	ng	0.00
86) Perylene-d12	15.474	264	160241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	542138	65.449	ng	0.00
7) Phenol-d6	6.463	99	711973	69.822	ng	0.00
23) Nitrobenzene-d5	7.398	82	472017	61.430	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	95927	49.408	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	836121	66.257	ng	0.00
79) Terphenyl-d14	12.963	244	625667	56.155	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	58	Below Cal	#	28
19) n-Nitroso-di-n-propyla...	7.398	70	65185	9.880 ng	#	78
25) Isophorone	7.398	82	472011	26.358 ng	#	65
32) Benzoic acid	8.122	122	55	7.358 ng	#	1
48) 2-Nitroaniline	9.422	65	1339	4.324 ng	#	67
51) 2,6-Dinitrotoluene	9.681	165	7053	6.184 ng	#	24
53) 3-Nitroaniline	9.828	138	12355	6.715 ng	#	15
54) 2,4-Dinitrophenol	10.075	184	979	7.509 ng	#	1
57) 2,4-Dinitrotoluene	10.080	165	4981	6.135 ng	#	43
62) 4-Nitroaniline	10.522	138	4803	4.355 ng		83
65) 4,6-Dinitro-2-methylph...	10.498	198	1779	10.158 ng	#	1
66) n-Nitrosodiphenylamine	10.545	169	48898	6.118 ng	#	45
71) Phenanthrene	11.398	178	25896	2.077 ng	#	31
74) Di-n-butylphthalate	11.927	149	53838	3.752 ng	#	53

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

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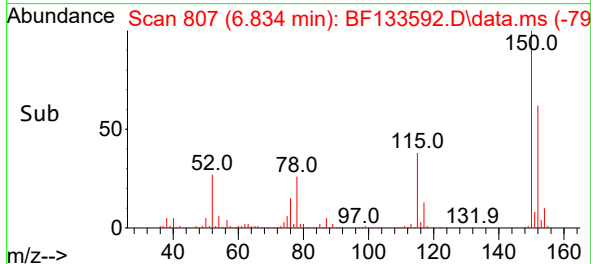
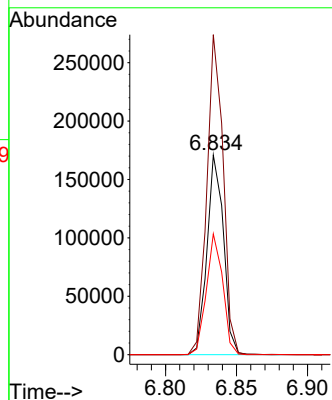
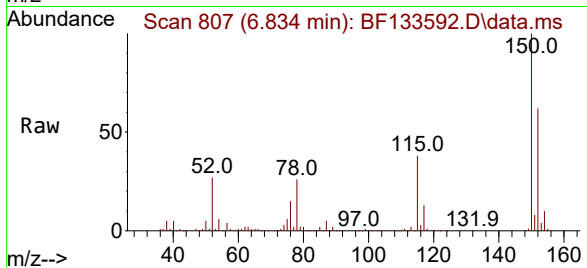




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

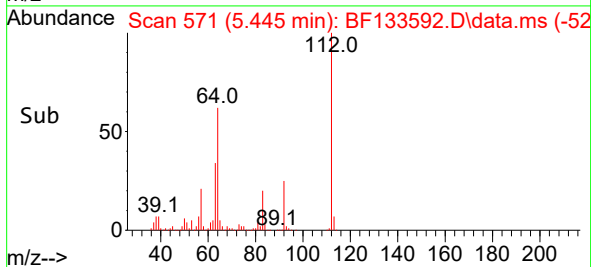
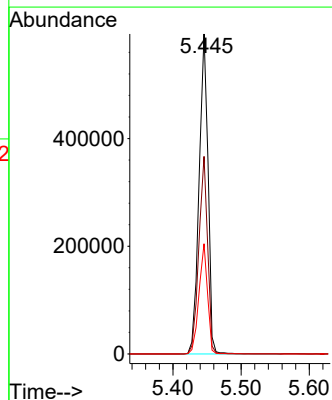
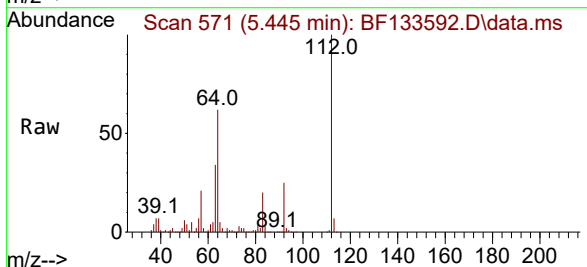
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

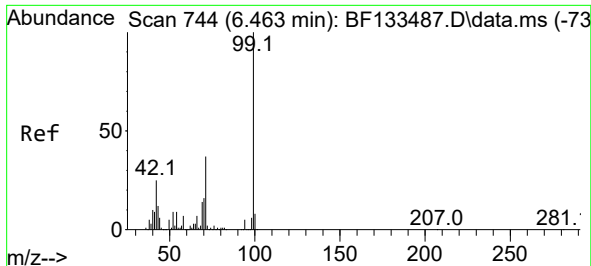
Tgt Ion:152 Resp: 138205
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 60.5 48.1 72.1



#5
2-Fluorophenol
Concen: 65.449 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

Tgt Ion:112 Resp: 542138
Ion Ratio Lower Upper
112 100
64 61.7 50.1 75.1
63 34.4 27.5 41.3

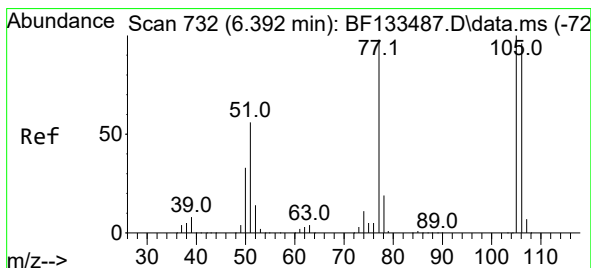
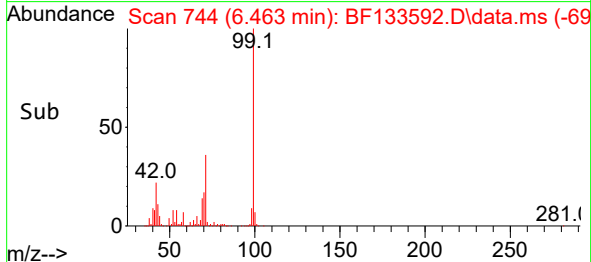
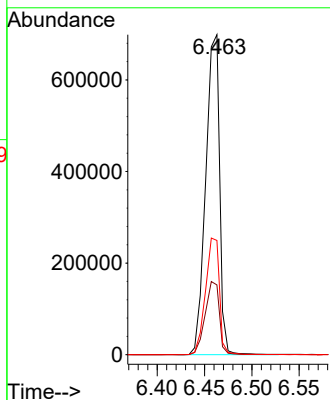
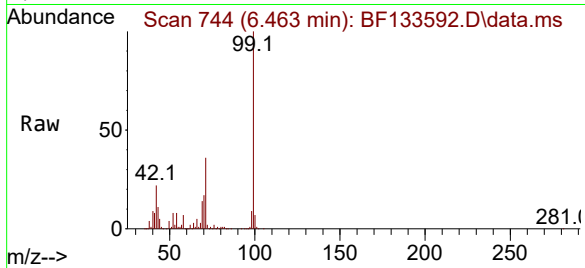




#7
Phenol-d6
Concen: 69.822 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

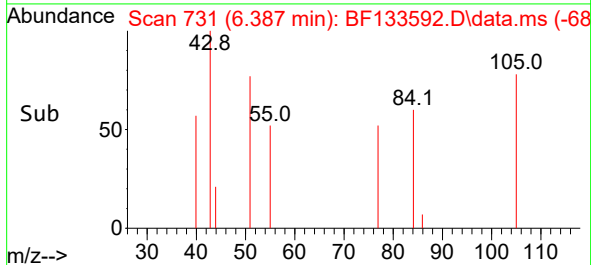
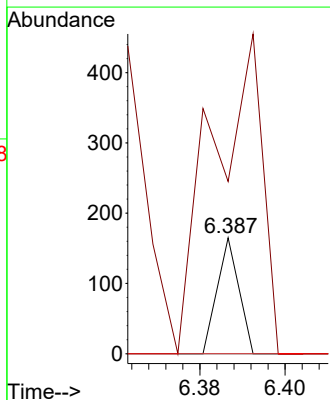
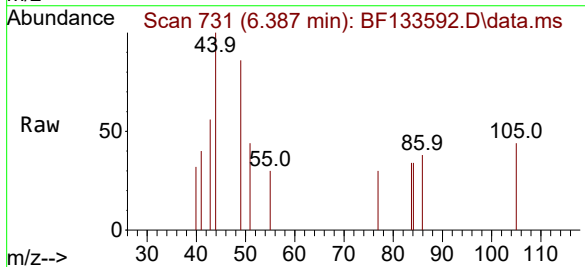
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Tgt Ion: 99 Resp: 711973
Ion Ratio Lower Upper
99 100
42 21.8 19.7 29.5
71 35.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

Tgt Ion: 77 Resp: 58
Ion Ratio Lower Upper
77 100
105 148.5 81.9 121.9#
106 0.0 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 9.880 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF133592.D

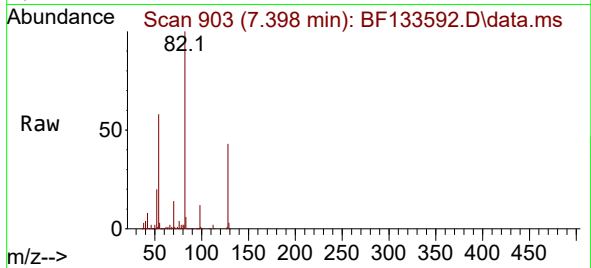
Acq: 06 Jun 2023 15:27

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1



Tgt Ion: 70 Resp: 65185

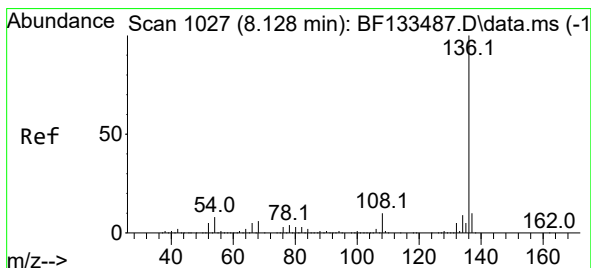
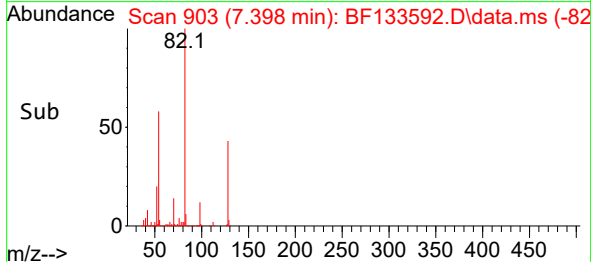
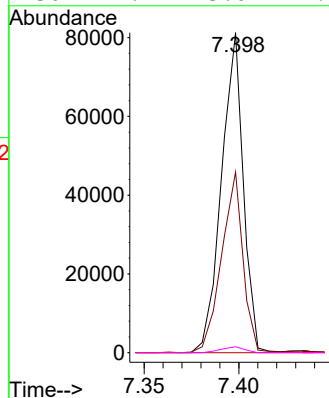
Ion Ratio Lower Upper

70 100

42 56.5 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: 8.122 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

Tgt Ion: 136 Resp: 513036

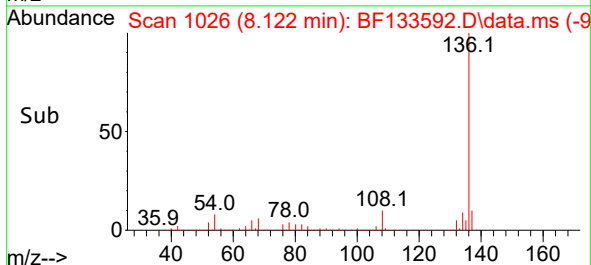
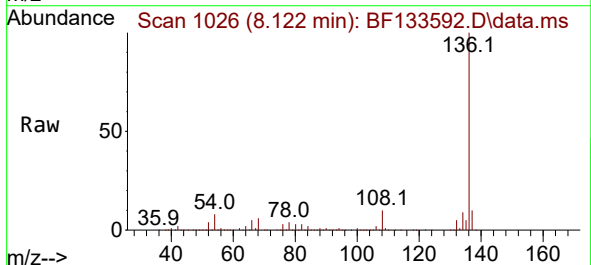
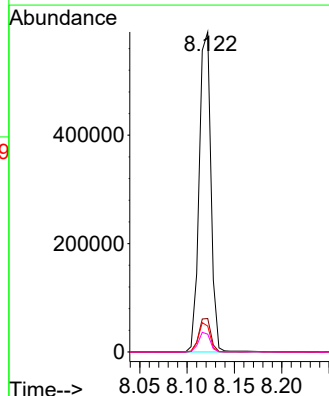
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

54 8.1 6.6 10.0

68 5.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 61.430 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

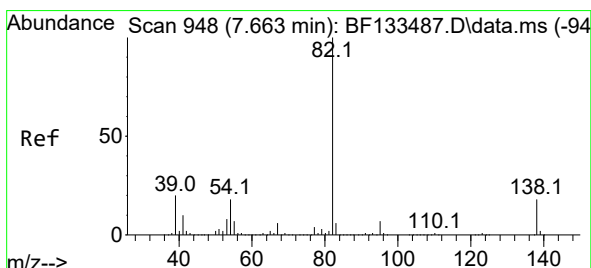
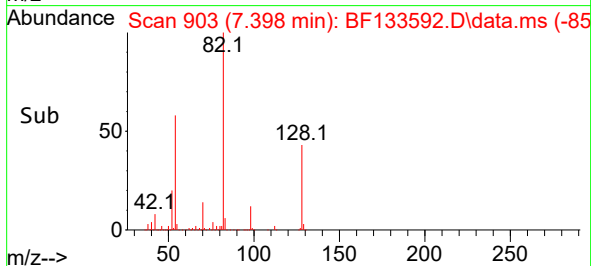
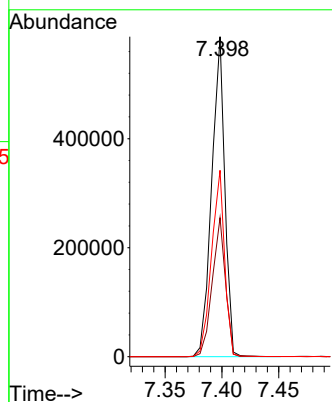
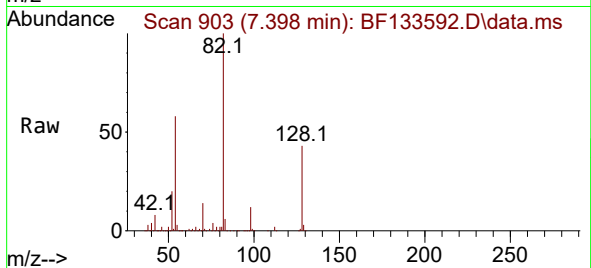
Tgt Ion: 82 Resp: 472017

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.4

54 58.2 48.2 72.4



#25

Isophorone

Concen: 26.358 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

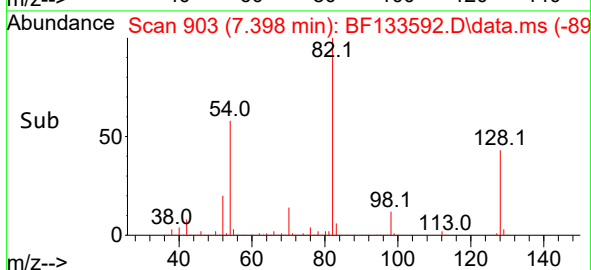
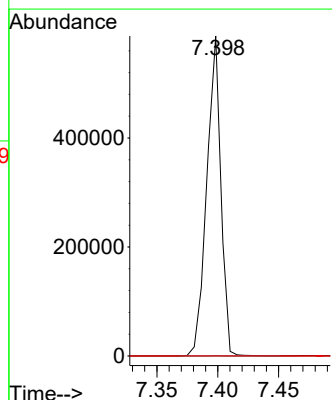
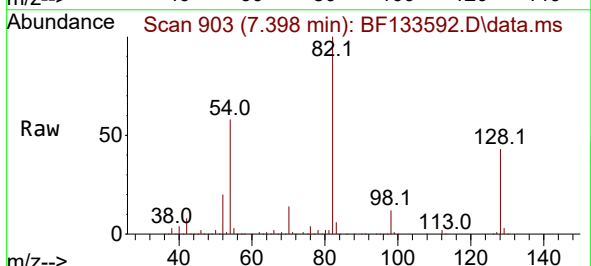
Tgt Ion: 82 Resp: 472011

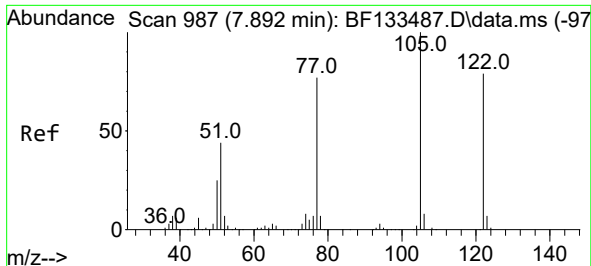
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

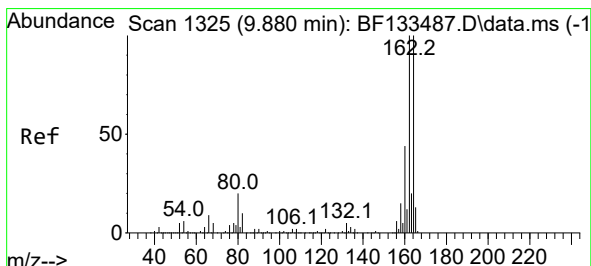
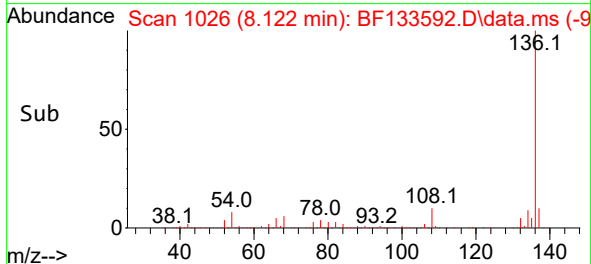
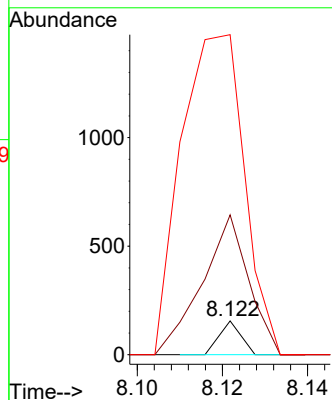
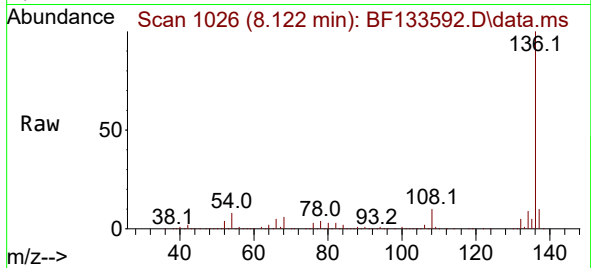




#32
Benzoic acid
Concen: 7.358 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.235 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

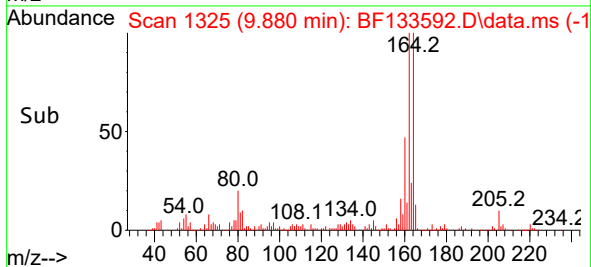
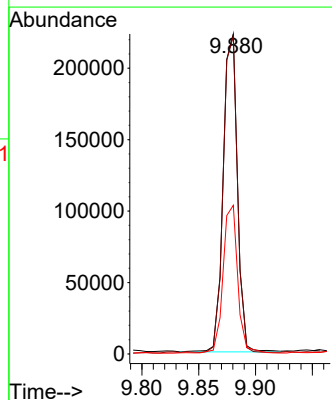
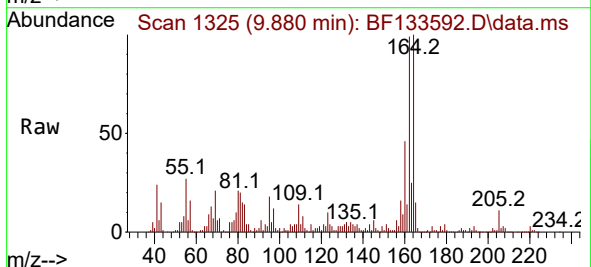
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

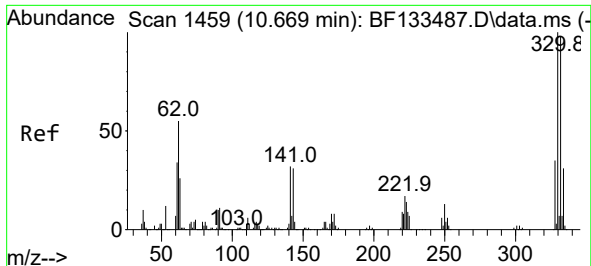
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 412.8 103.3 143.3#
77 944.9 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

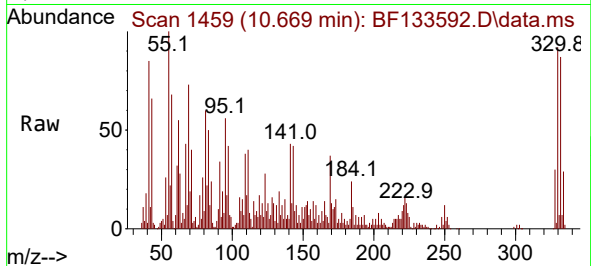
Tgt Ion:164 Resp: 194773
Ion Ratio Lower Upper
164 100
162 99.3 79.7 119.5
160 46.4 35.4 53.0



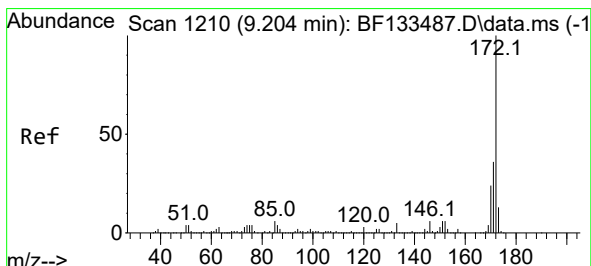
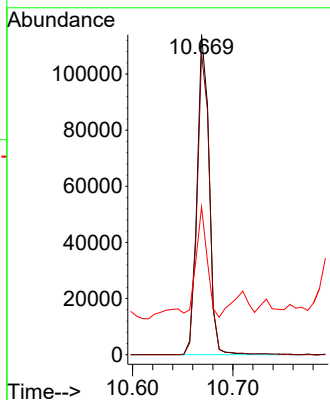
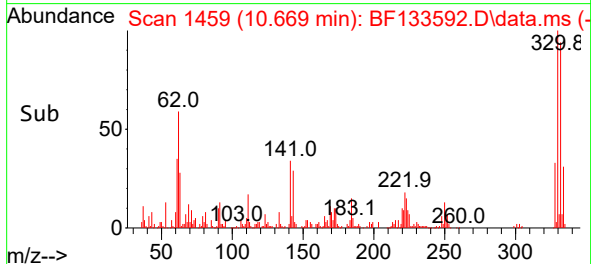


#42
 2,4,6-Tribromophenol
 Concen: 49.408 ng
 RT: 10.669 min Scan# 1459
 Delta R.T. 0.000 min
 Lab File: BF133592.D
 Acq: 06 Jun 2023 15:27

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

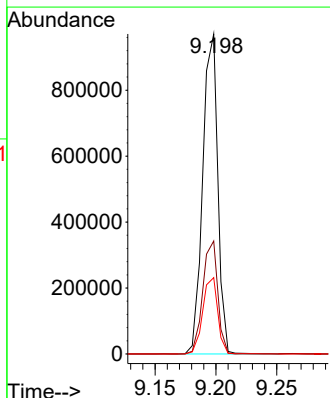
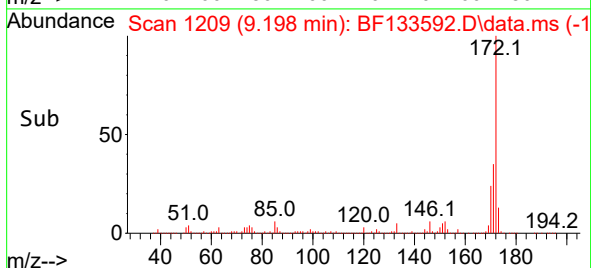
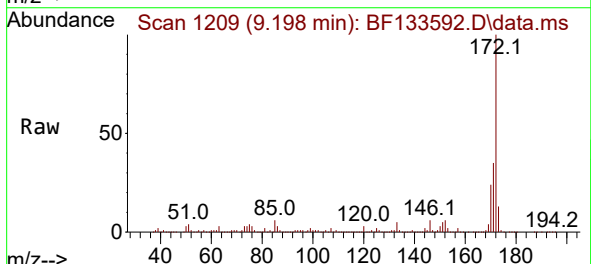


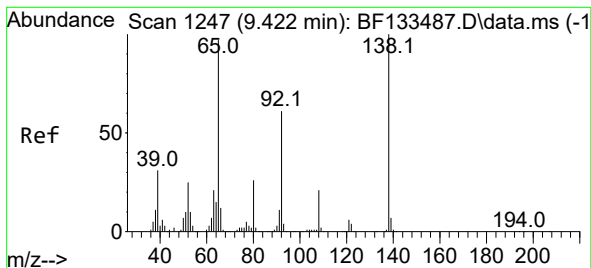
Tgt Ion: 330 Resp: 95927
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.6
 141 31.1 26.6 40.0



#45
 2-Fluorobiphenyl
 Concen: 66.257 ng
 RT: 9.198 min Scan# 1209
 Delta R.T. 0.000 min
 Lab File: BF133592.D
 Acq: 06 Jun 2023 15:27

Tgt Ion: 172 Resp: 836121
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.4 42.6
 170 23.8 19.3 28.9





#48

2-Nitroaniline

Concen: 4.324 ng

RT: 9.422 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

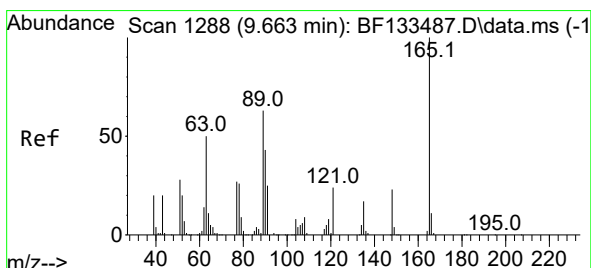
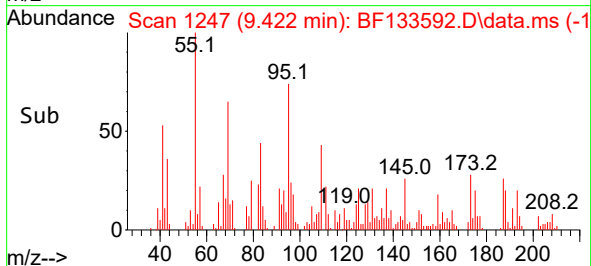
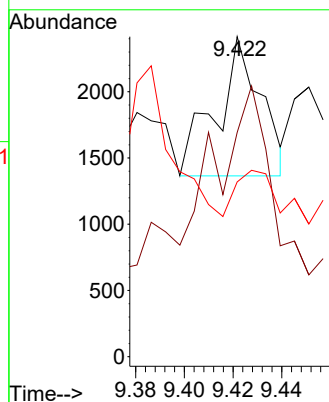
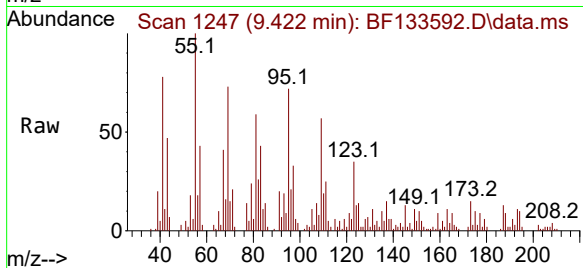
Tgt Ion: 65 Resp: 1339

Ion Ratio Lower Upper

65 100

92 70.1 50.8 76.2

138 54.6 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 6.184 ng

RT: 9.681 min Scan# 1291

Delta R.T. 0.018 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

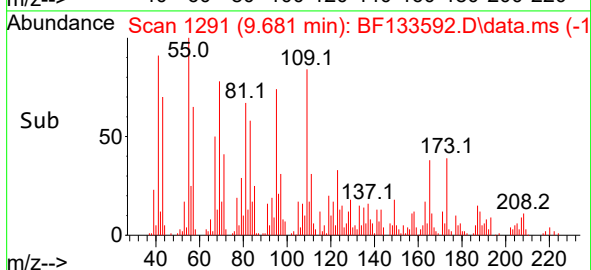
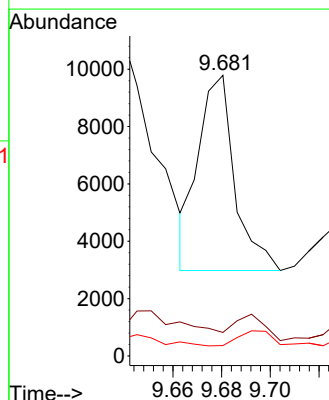
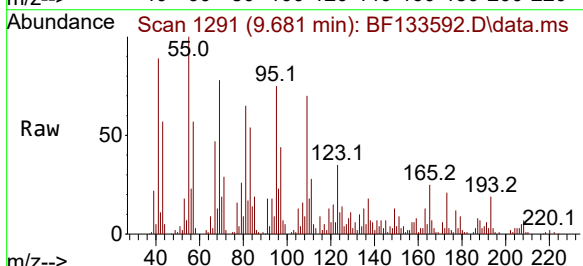
Tgt Ion: 165 Resp: 7053

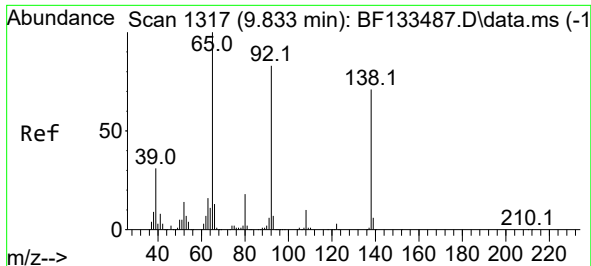
Ion Ratio Lower Upper

165 100

63 8.4 57.0 85.4#

89 3.7 50.8 76.2#

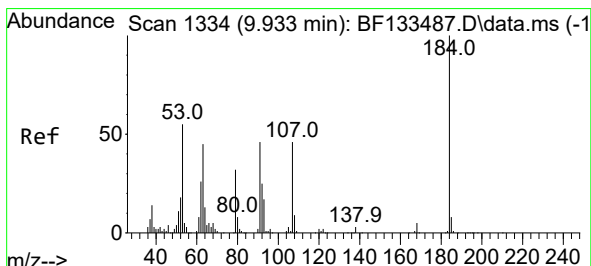
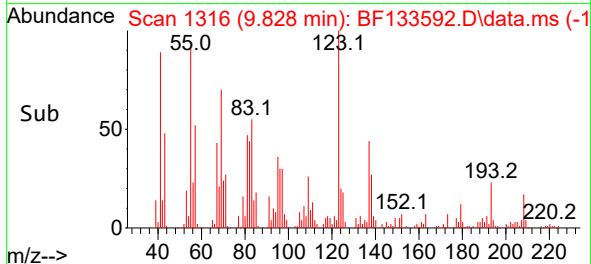
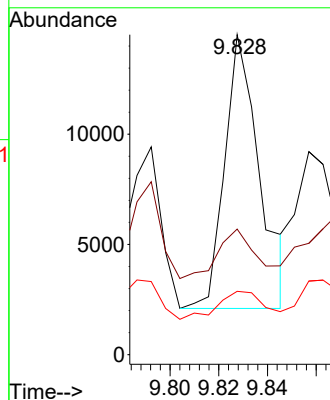
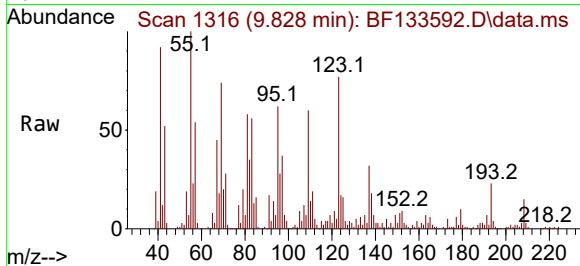




#53
3-Nitroaniline
Concen: 6.715 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

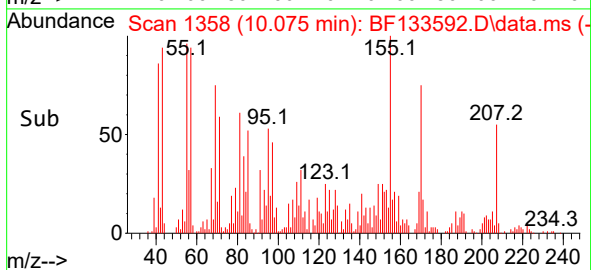
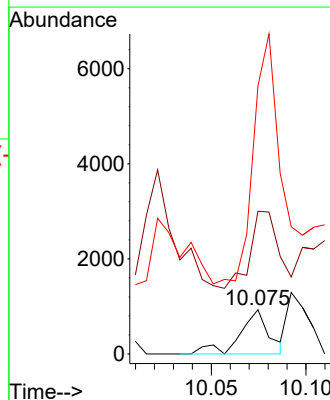
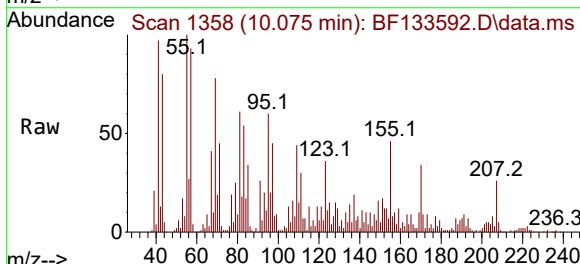
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

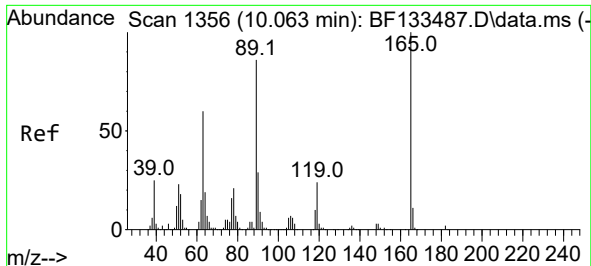
Tgt Ion:138 Resp: 12355
Ion Ratio Lower Upper
138 100
108 39.3 11.9 17.9#
92 19.8 93.1 139.7#



#54
2,4-Dinitrophenol
Concen: 7.509 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.141 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

Tgt Ion:184 Resp: 979
Ion Ratio Lower Upper
184 100
63 321.9 55.7 83.5#
154 604.6 49.3 73.9#

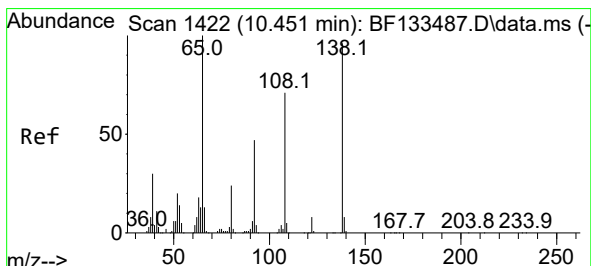
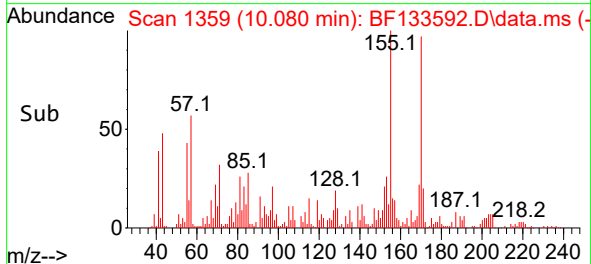
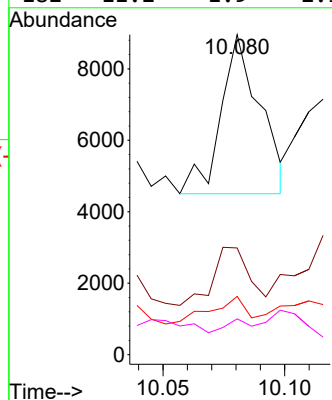
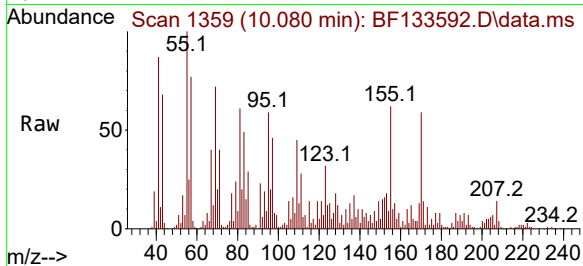




#57
2,4-Dinitrotoluene
Concen: 6.135 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

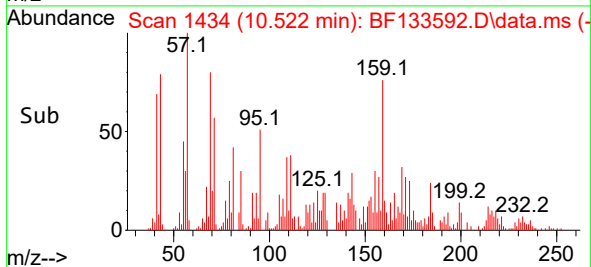
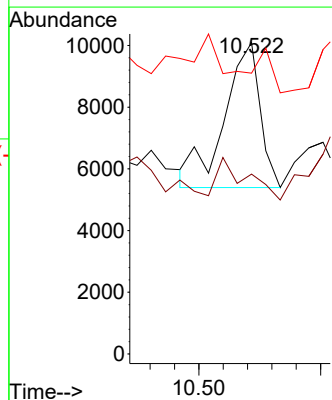
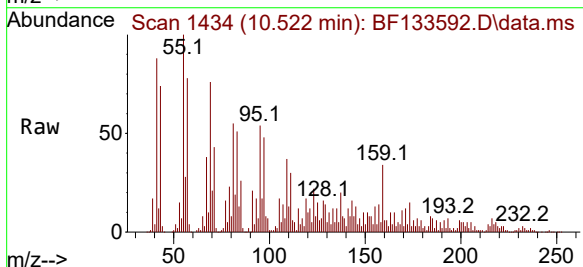
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

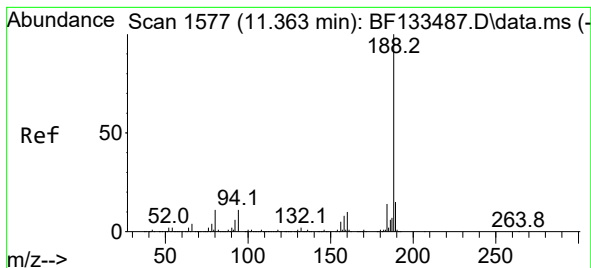
Tgt Ion:165 Resp: 4981
Ion Ratio Lower Upper
165 100
63 33.3 48.1 72.1#
89 18.2 68.4 102.6#
182 11.2 1.9 2.9#



#62
4-Nitroaniline
Concen: 4.355 ng
RT: 10.522 min Scan# 1434
Delta R.T. 0.077 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

Tgt Ion:138 Resp: 4803
Ion Ratio Lower Upper
138 100
92 57.8 28.4 68.4
108 90.2 54.2 94.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

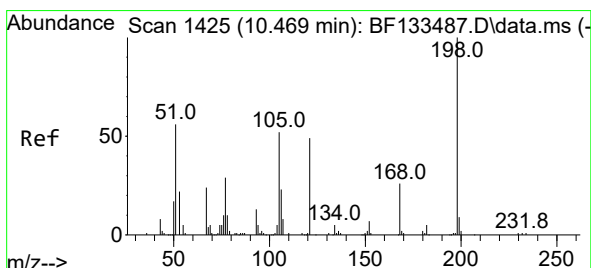
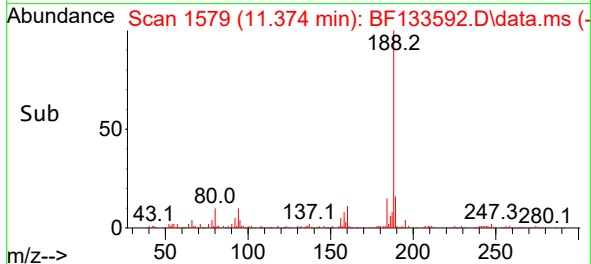
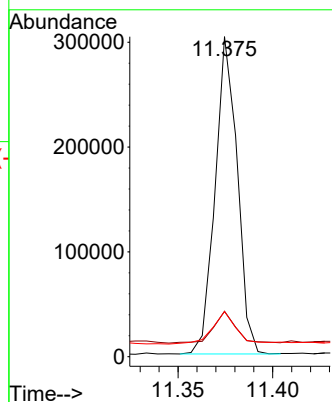
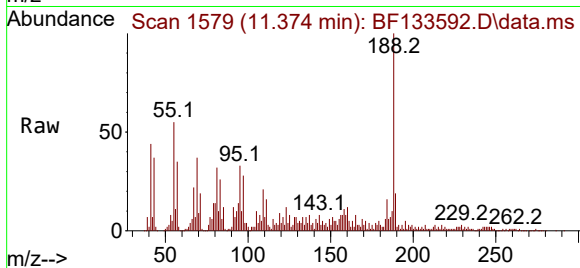
Tgt Ion:188 Resp: 246187

Ion Ratio Lower Upper

188 100

94 14.2 8.6 12.8#

80 14.1 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 10.158 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.024 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

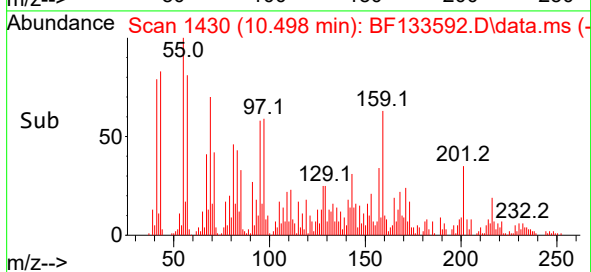
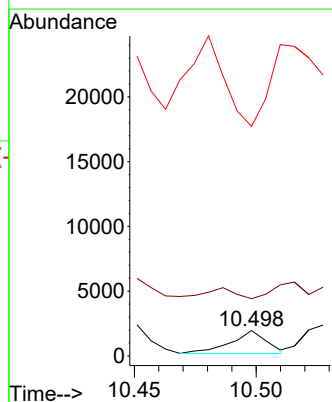
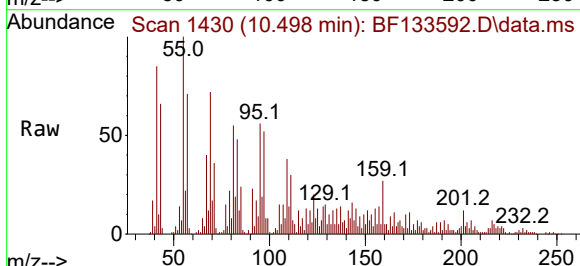
Tgt Ion:198 Resp: 1779

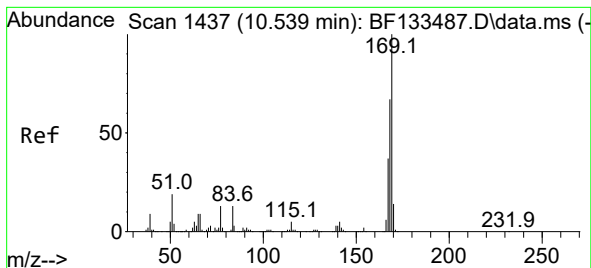
Ion Ratio Lower Upper

198 100

51 225.5 53.6 93.6#

105 904.5 35.9 75.9#

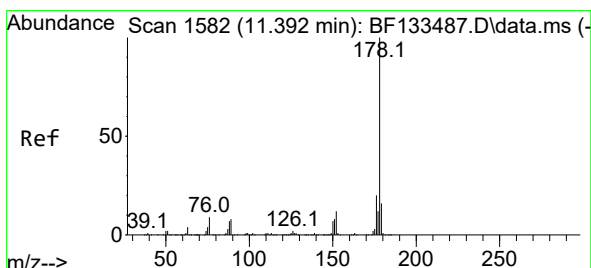
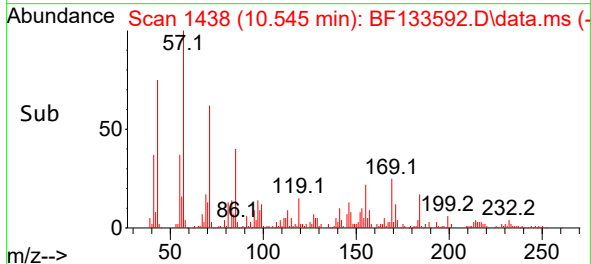
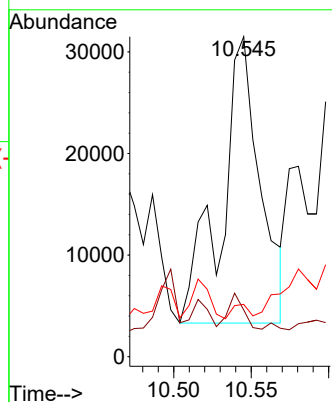
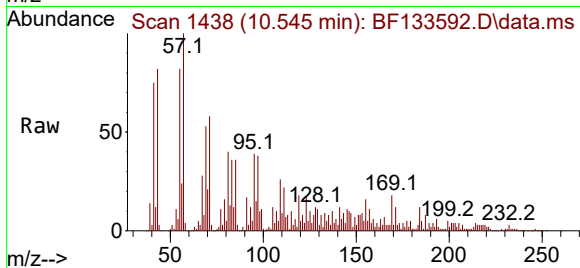




#66
n-Nitrosodiphenylamine
Concen: 6.118 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

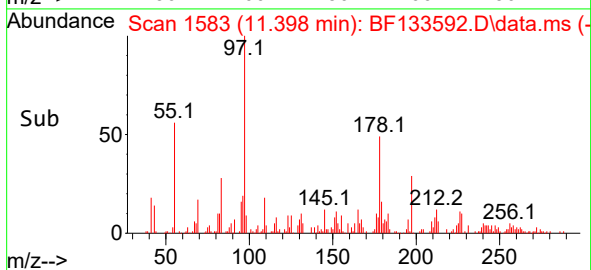
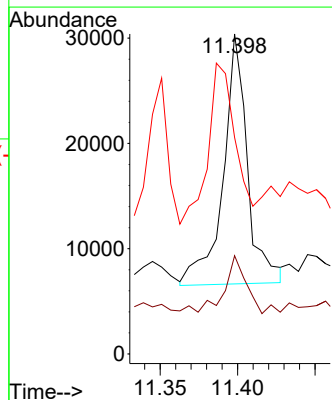
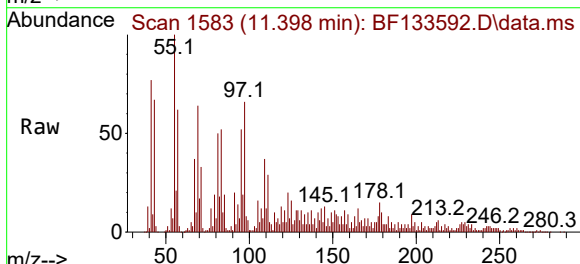
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

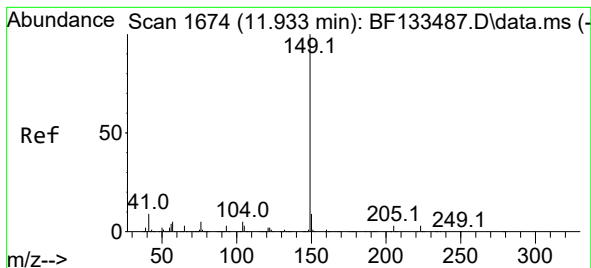
Tgt Ion:169 Resp: 48898
Ion Ratio Lower Upper
169 100
168 14.6 53.7 80.5#
167 16.4 29.6 44.4#



#71
Phenanthrene
Concen: 2.077 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF133592.D
Acq: 06 Jun 2023 15:27

Tgt Ion:178 Resp: 25896
Ion Ratio Lower Upper
178 100
176 30.7 15.6 23.4#
179 67.7 12.4 18.6#





#74

Di-n-butylphthalate

Concen: 3.752 ng

RT: 11.927 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

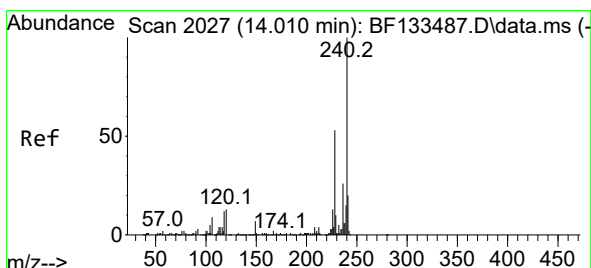
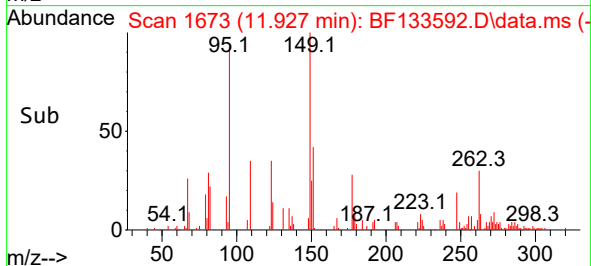
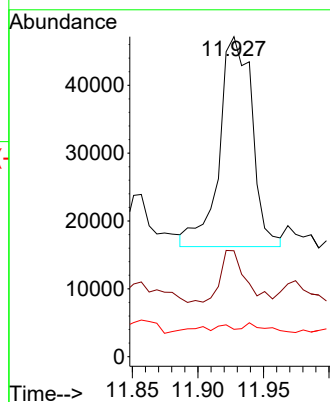
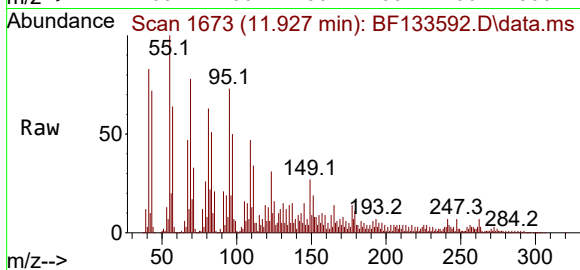
Tgt Ion:149 Resp: 53838

Ion Ratio Lower Upper

149 100

150 33.1 7.4 11.2#

104 8.6 3.9 5.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF133592.D

Acq: 06 Jun 2023 15:27

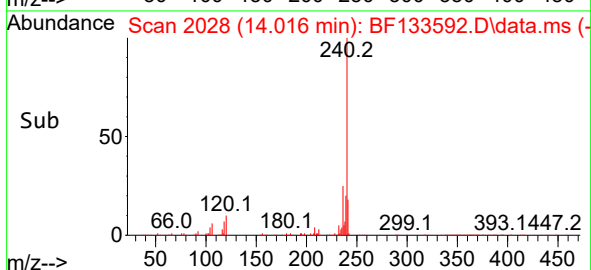
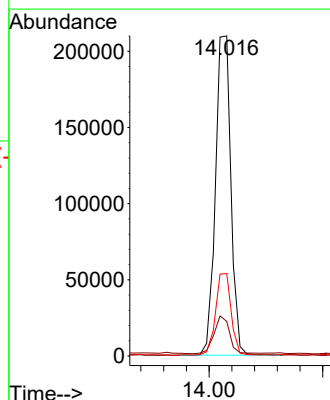
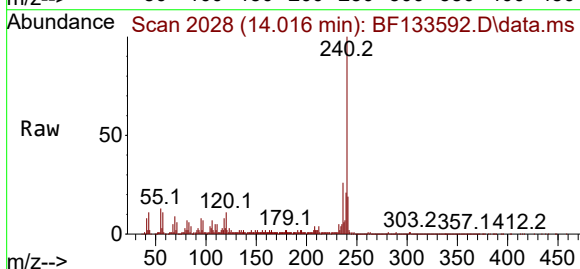
Tgt Ion:240 Resp: 198098

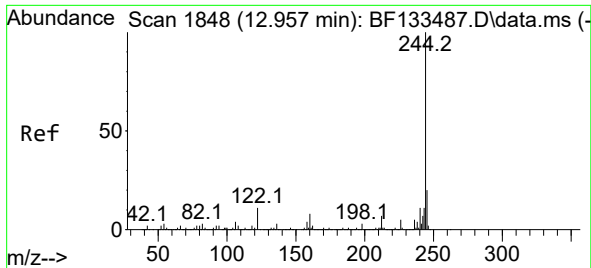
Ion Ratio Lower Upper

240 100

120 10.8 10.3 15.5

236 25.8 20.5 30.7

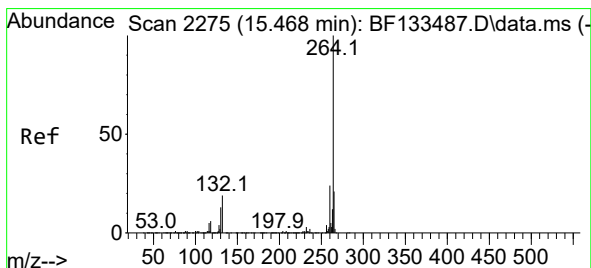
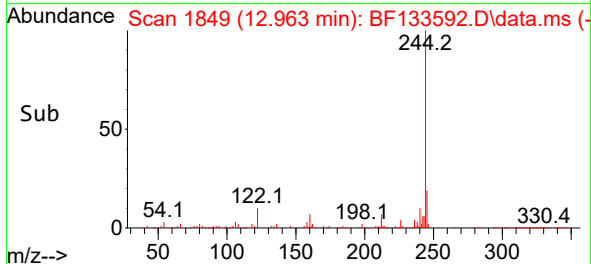
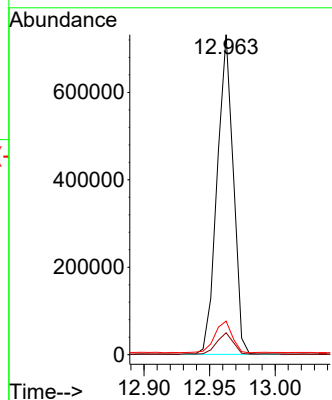
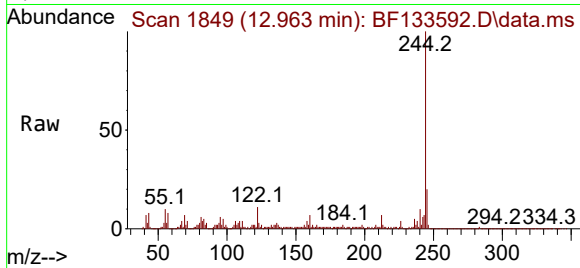




#79
 Terphenyl-d14
 Concen: 56.155 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: BF133592.D
 Acq: 06 Jun 2023 15:27

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Tgt Ion:244 Resp: 625667
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 10.5 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF133592.D
 Acq: 06 Jun 2023 15:27

Tgt Ion:264 Resp: 160241
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.4
 265 21.3 16.8 25.2

