

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133494.D
 Acq On : 25 May 2023 18:31
 Operator : CG\JU
 Sample : 02908-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC10

Quant Time: May 26 02:07:56 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)

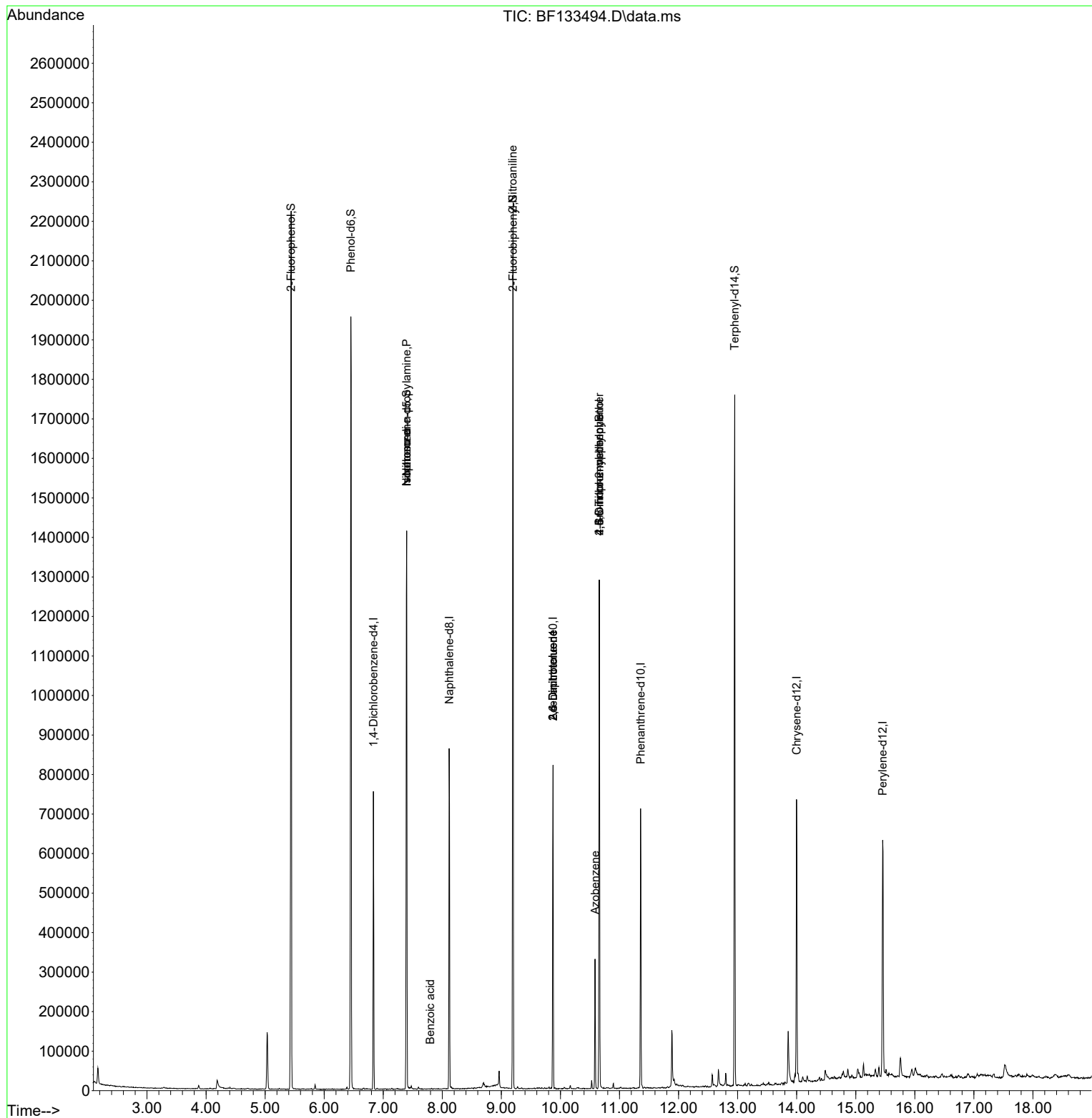
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	95639	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	347832	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	144389	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	241582	20.000	ng	0.00
76) Chrysene-d12	13.998	240	220901	20.000	ng	-0.01
86) Perylene-d12	15.457	264	270870	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	549929	95.937	ng	0.00
7) Phenol-d6	6.451	99	645136	91.426	ng	-0.01
23) Nitrobenzene-d5	7.398	82	399088	76.607	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	135702	94.284	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	665219	71.108	ng	0.00
79) Terphenyl-d14	12.951	244	573983	46.199	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	89	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	54793	12.001	ng	# 80
25) Isophorone	7.398	82	399080	32.870	ng	# 65
32) Benzoic acid	7.798	122	126	7.381	ng	# 1
48) 2-Nitroaniline	9.192	65	1234	4.405	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	19339	12.936	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	19339	12.023	ng	# 15
63) Azobenzene	10.586	77	48182	4.569	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	285	8.948	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	8053	3.139	ng	# 1

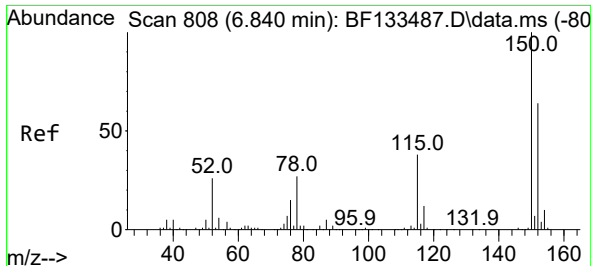
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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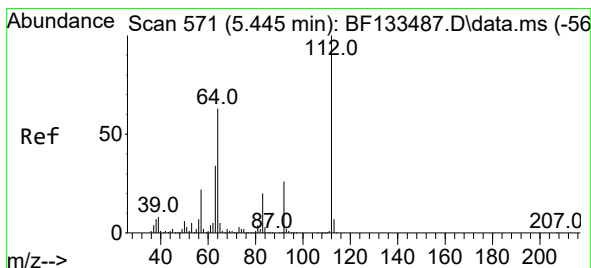
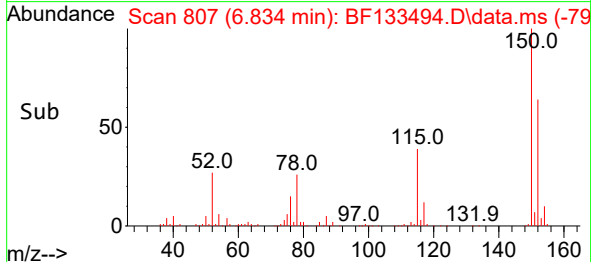
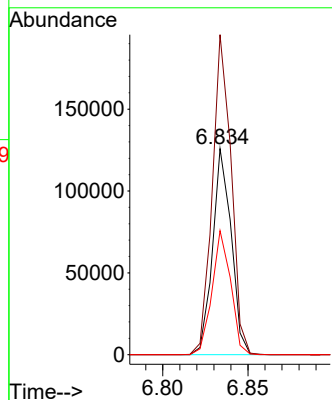
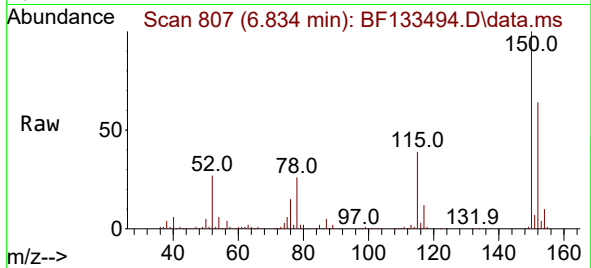




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

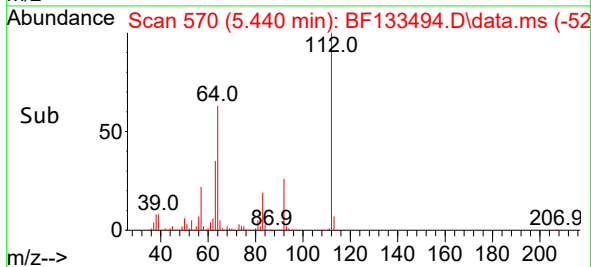
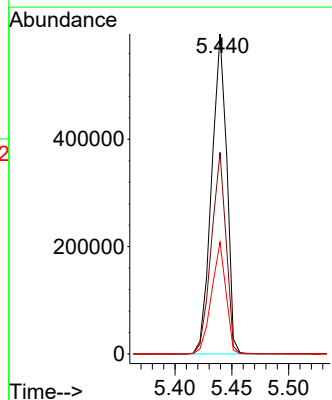
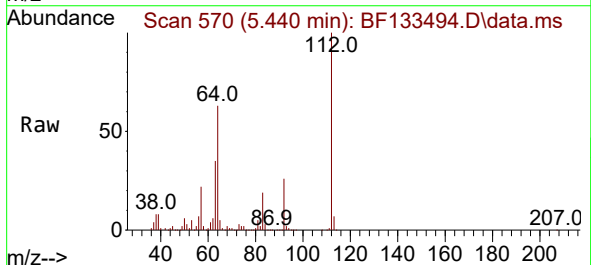
Instrument :
BNA_F
ClientSampleId :
WC10

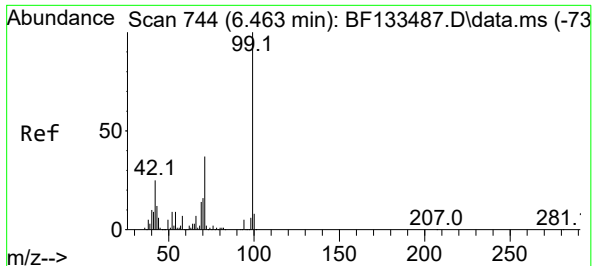
Tgt Ion:152 Resp: 95639
Ion Ratio Lower Upper
152 100
150 155.2 124.9 187.3
115 60.2 48.1 72.1



#5
2-Fluorophenol
Concen: 95.937 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

Tgt Ion:112 Resp: 549929
Ion Ratio Lower Upper
112 100
64 63.0 50.1 75.1
63 35.0 27.5 41.3

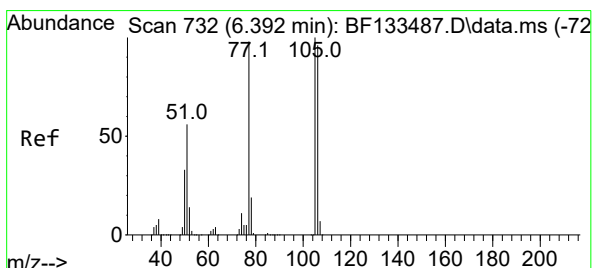
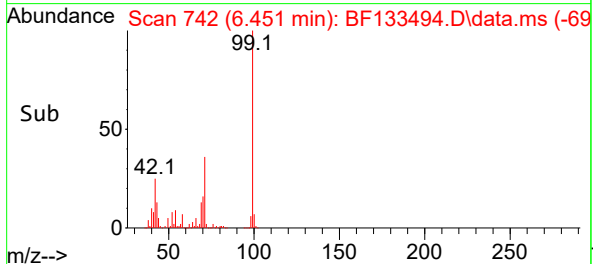
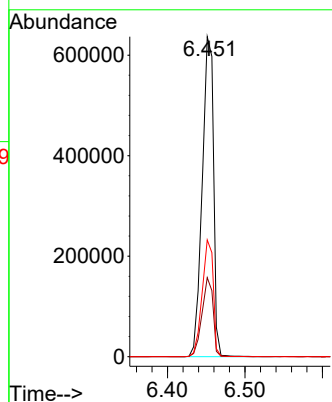
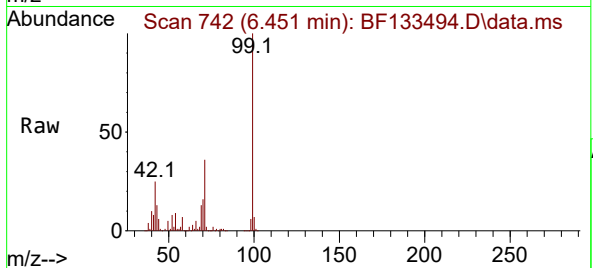




#7
Phenol-d6
Concen: 91.426 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

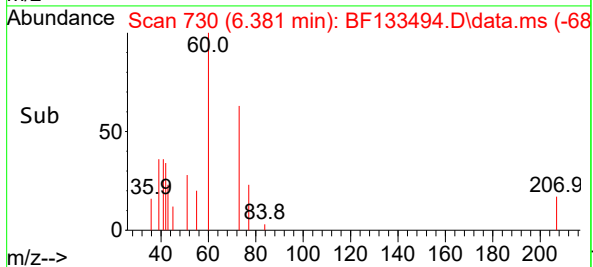
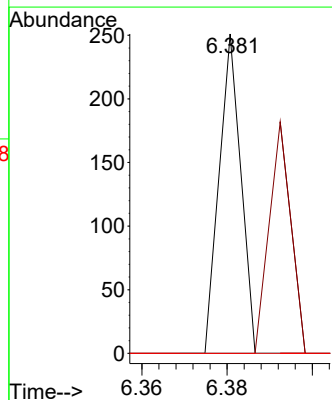
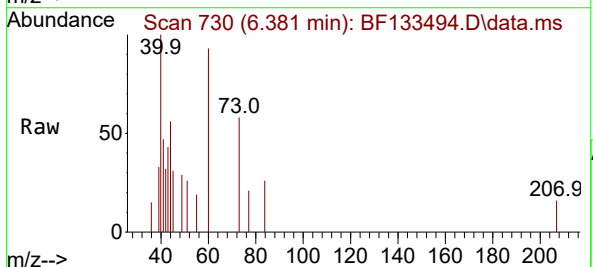
Instrument :
BNA_F
ClientSampleId :
WC10

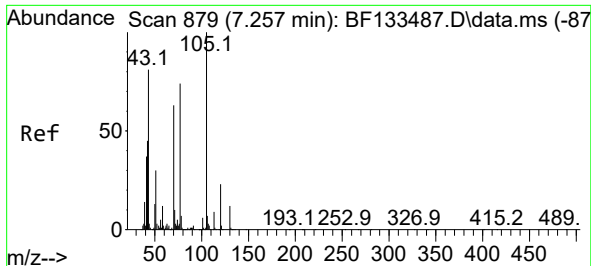
Tgt Ion: 99 Resp: 645136
Ion Ratio Lower Upper
99 100
42 24.7 19.7 29.5
71 36.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

Tgt Ion: 77 Resp: 89
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 12.001 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133494.D

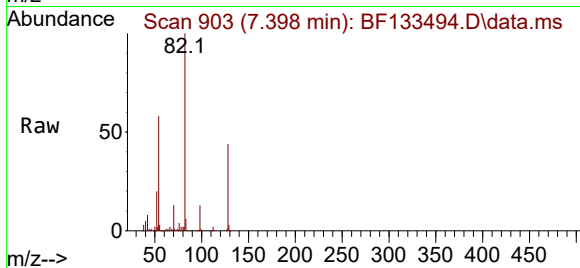
Acq: 25 May 2023 18:31

Instrument :

BNA_F

ClientSampleId :

WC10



Tgt Ion: 70 Resp: 54793

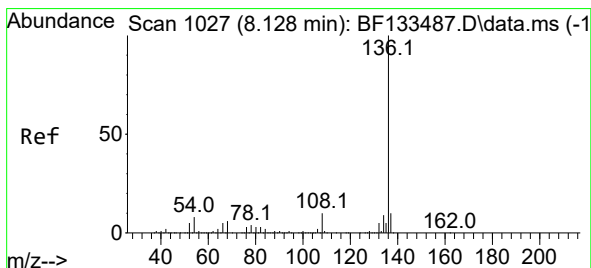
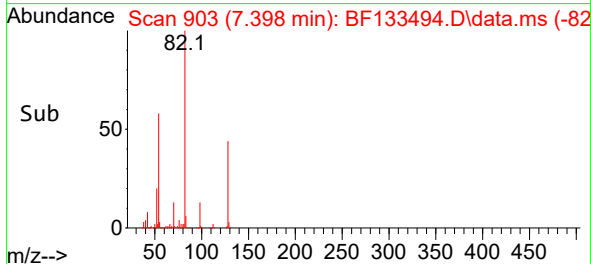
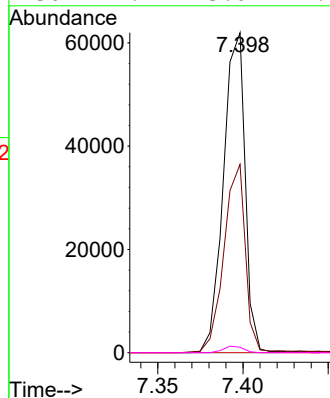
Ion Ratio Lower Upper

70 100

42 58.9 57.2 85.8

101 0.0 7.3 10.9#

130 1.7 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.012 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

Tgt Ion: 136 Resp: 347832

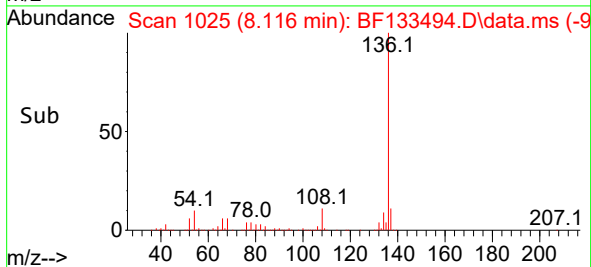
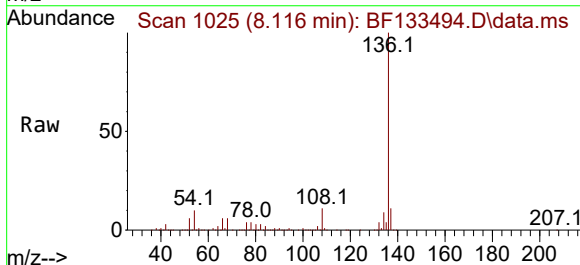
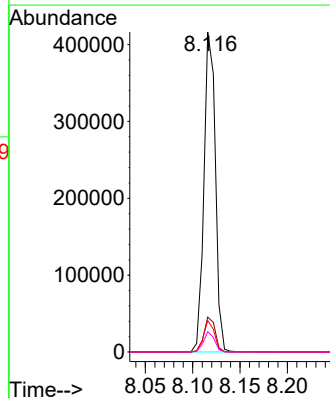
Ion Ratio Lower Upper

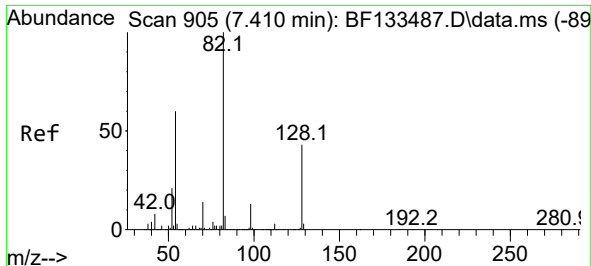
136 100

137 10.9 8.2 12.4

54 9.8 6.6 10.0

68 6.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 76.607 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

Instrument :

BNA_F

ClientSampleId :

WC10

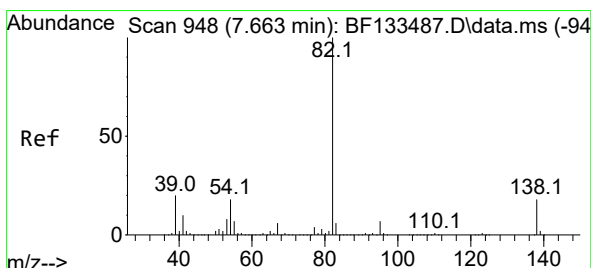
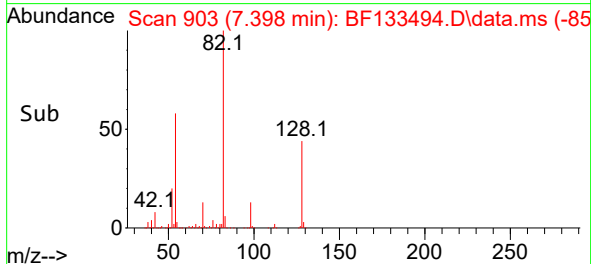
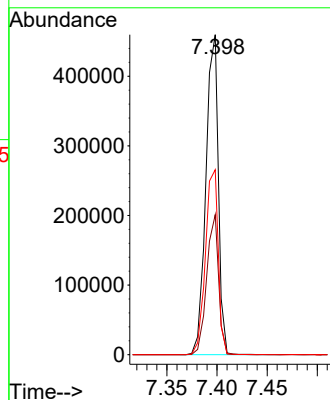
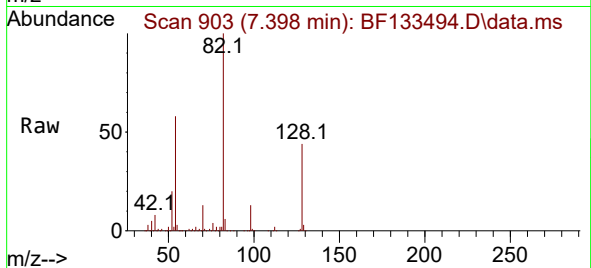
Tgt Ion: 82 Resp: 399088

Ion Ratio Lower Upper

82 100

128 43.8 34.2 51.4

54 57.8 48.2 72.4



#25

Isophorone

Concen: 32.870 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

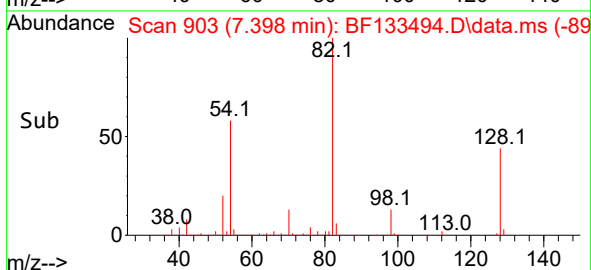
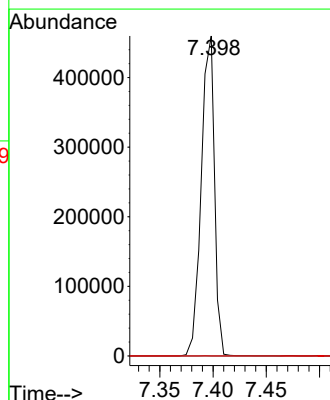
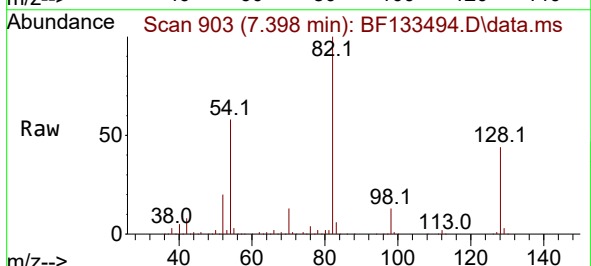
Tgt Ion: 82 Resp: 399080

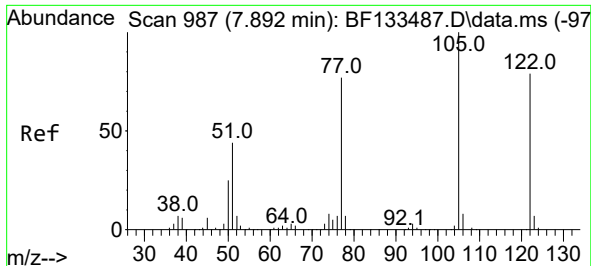
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

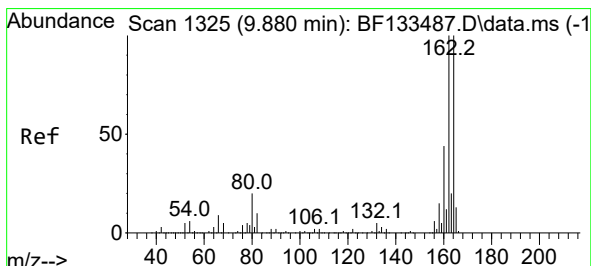
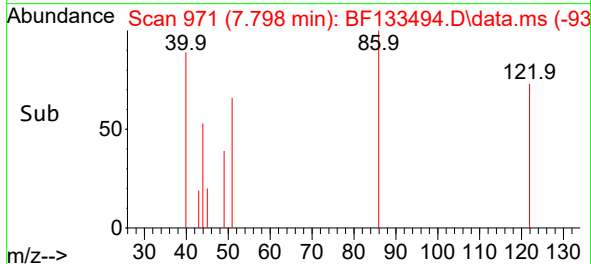
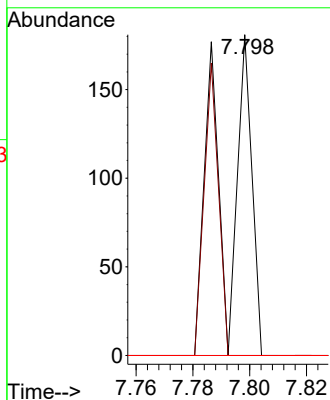
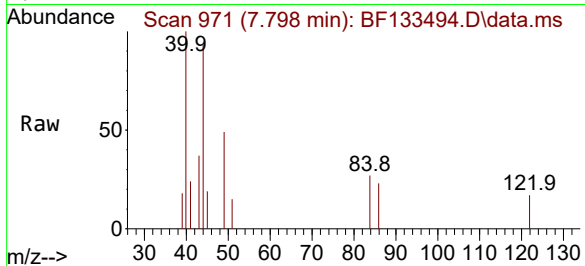




#32
Benzoic acid
Concen: 7.381 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

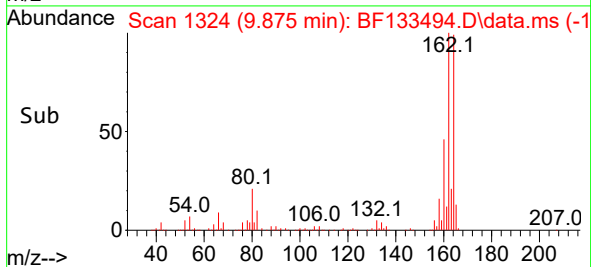
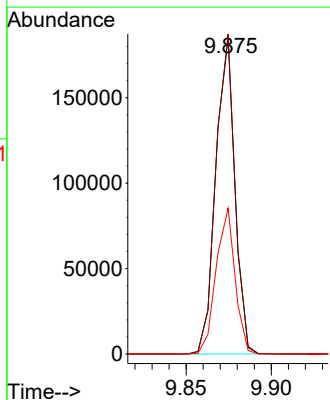
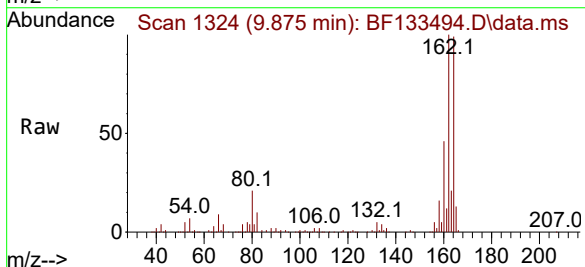
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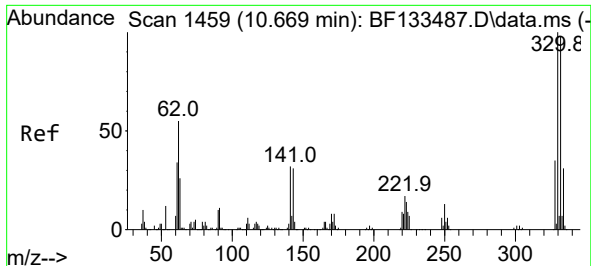
Tgt Ion:122 Resp: 126
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

Tgt Ion:164 Resp: 144389
Ion Ratio Lower Upper
164 100
162 101.4 79.7 119.5
160 46.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 94.284 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF133494.D

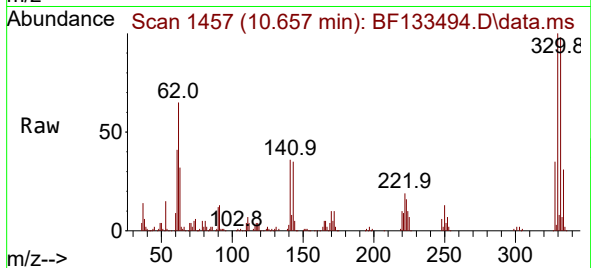
Acq: 25 May 2023 18:31

Instrument :

BNA_F

ClientSampleId :

WC10



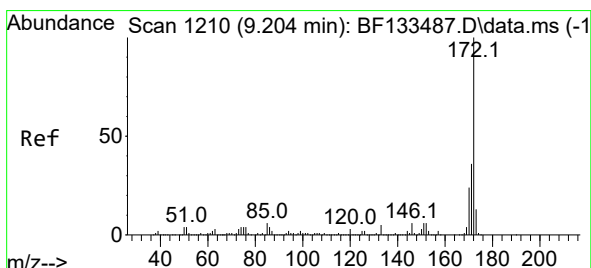
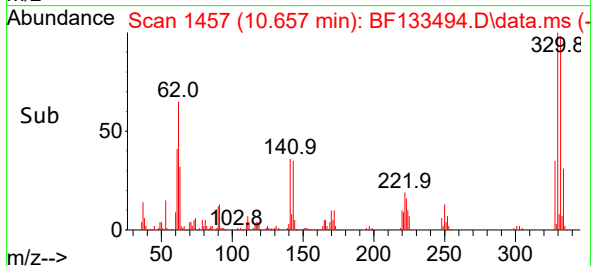
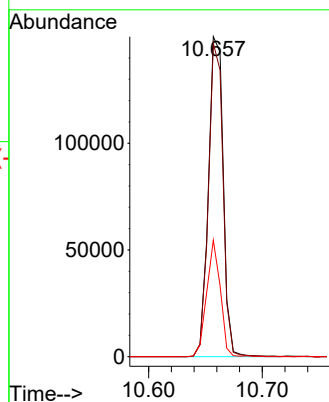
Tgt Ion:330 Resp: 135702

Ion Ratio Lower Upper

330 100

332 96.0 77.8 116.6

141 33.5 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 71.108 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

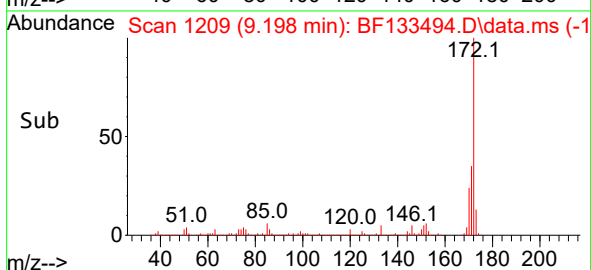
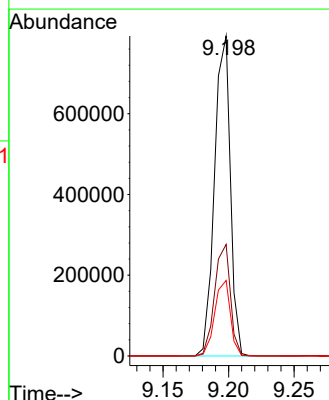
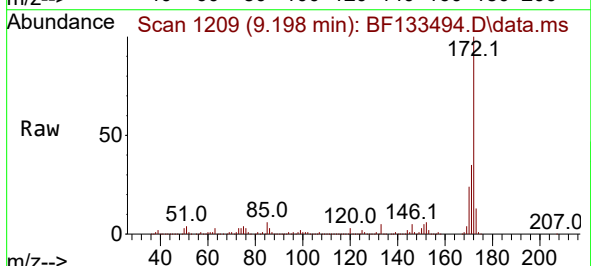
Tgt Ion:172 Resp: 665219

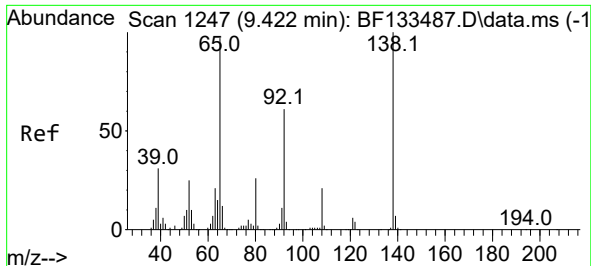
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.6 19.3 28.9

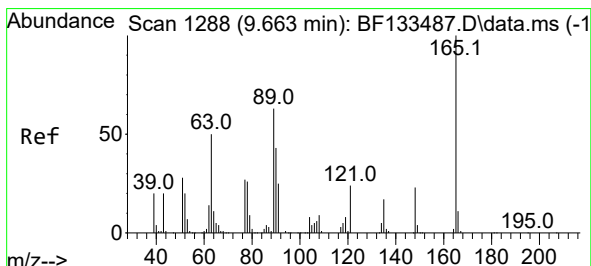
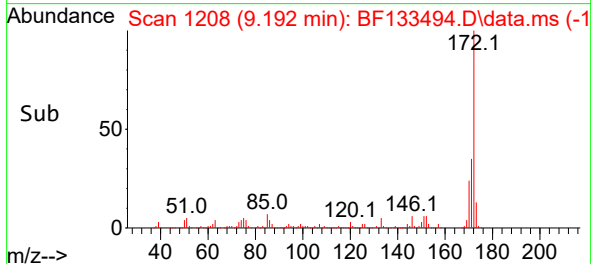
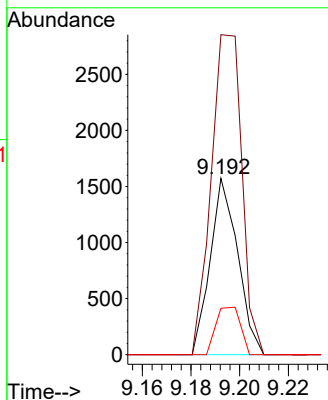
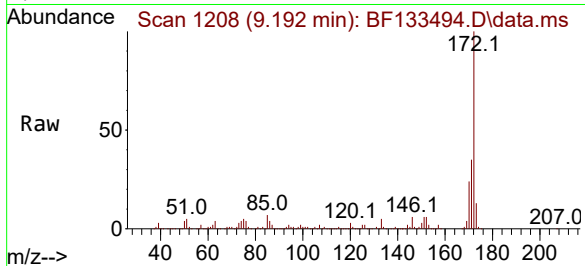




#48
2-Nitroaniline
Concen: 4.405 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

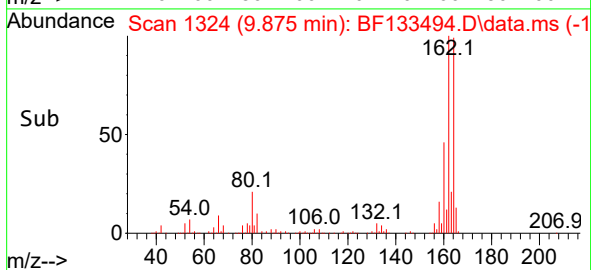
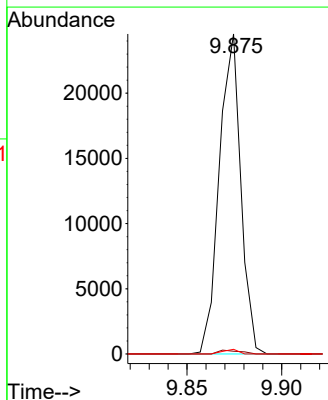
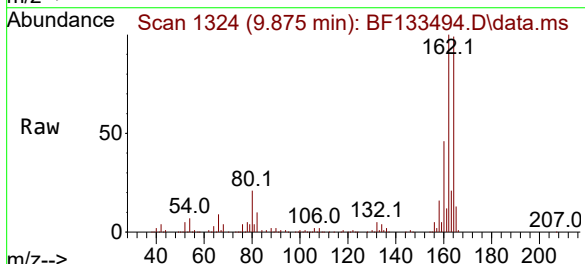
Instrument :
BNA_F
ClientSampleId :
WC10

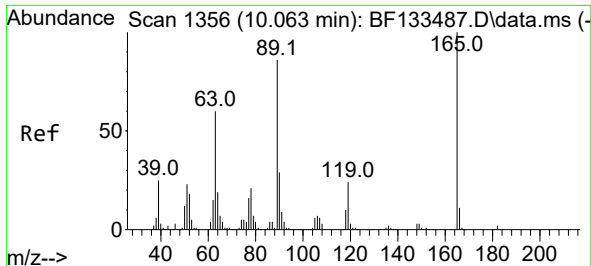
Tgt Ion: 65 Resp: 1234
Ion Ratio Lower Upper
65 100
92 181.6 50.8 76.2#
138 26.3 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.936 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

Tgt Ion: 165 Resp: 19339
Ion Ratio Lower Upper
165 100
63 0.9 57.0 85.4#
89 1.5 50.8 76.2#

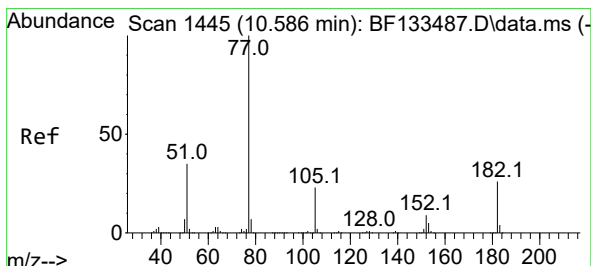
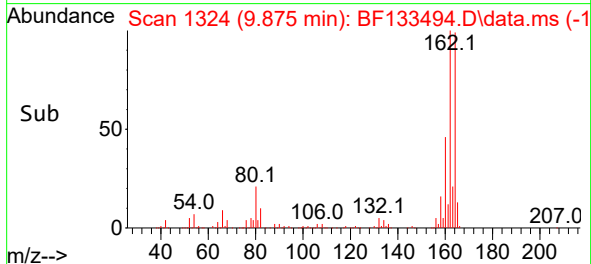
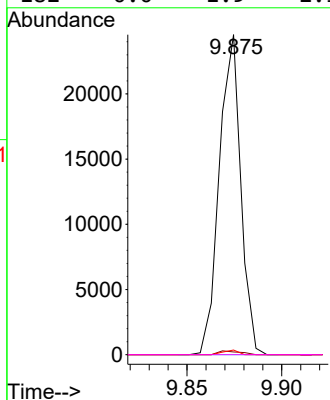
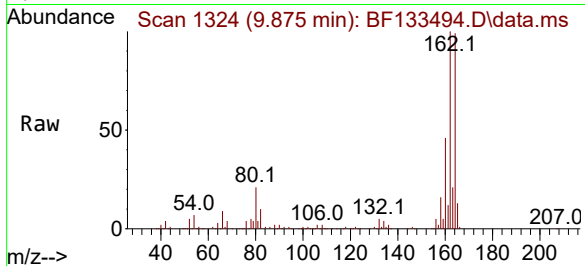




#57
2,4-Dinitrotoluene
Concen: 12.023 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

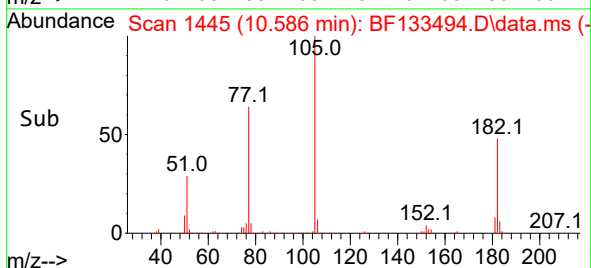
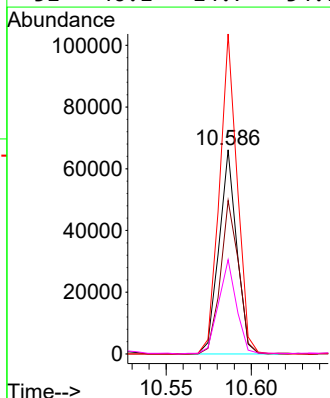
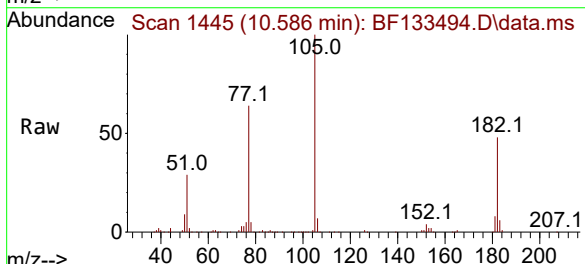
Instrument :
BNA_F
ClientSampleId :
WC10

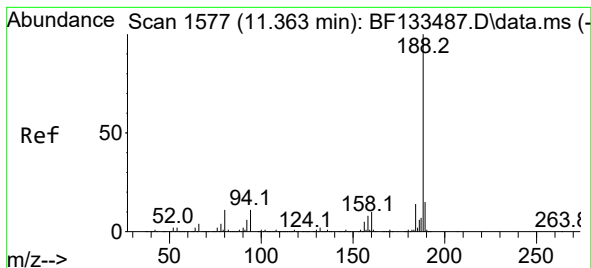
Tgt Ion:165 Resp: 19339
Ion Ratio Lower Upper
165 100
63 0.9 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 4.569 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

Tgt Ion: 77 Resp: 48182
Ion Ratio Lower Upper
77 100
182 75.1 5.6 45.6#
105 156.7 2.6 42.6#
51 46.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

Instrument :

BNA_F

ClientSampleId :

WC10

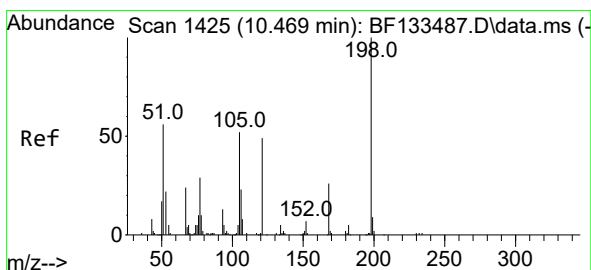
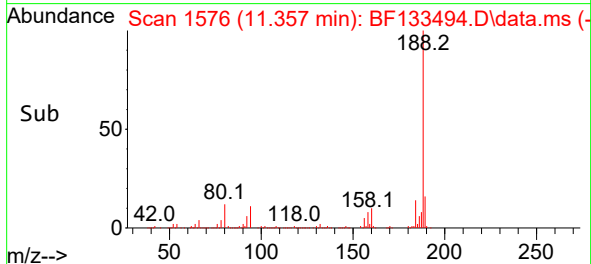
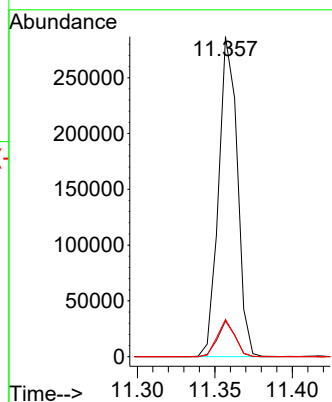
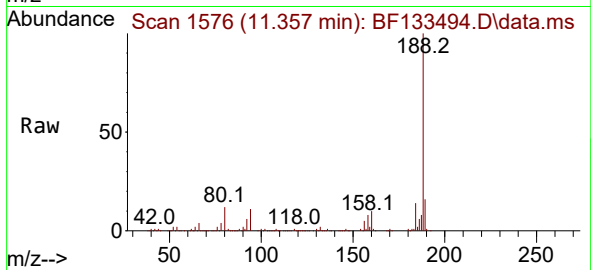
Tgt Ion:188 Resp: 241582

Ion Ratio Lower Upper

188 100

94 11.2 8.6 12.8

80 11.7 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.948 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133494.D

Acq: 25 May 2023 18:31

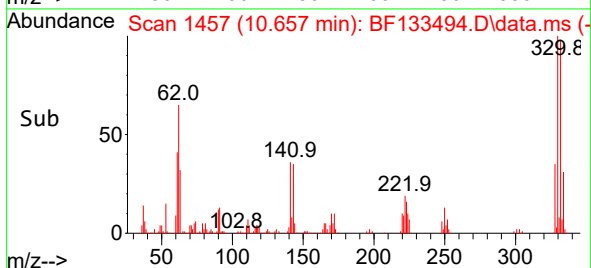
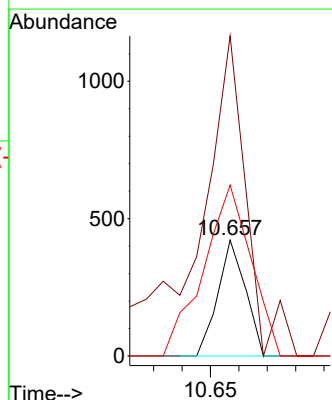
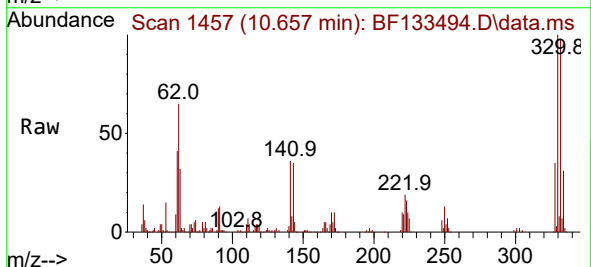
Tgt Ion:198 Resp: 285

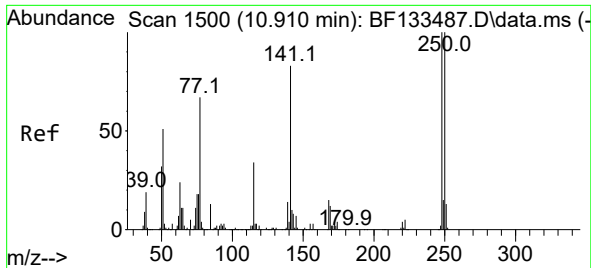
Ion Ratio Lower Upper

198 100

51 276.1 53.6 93.6#

105 147.4 35.9 75.9#

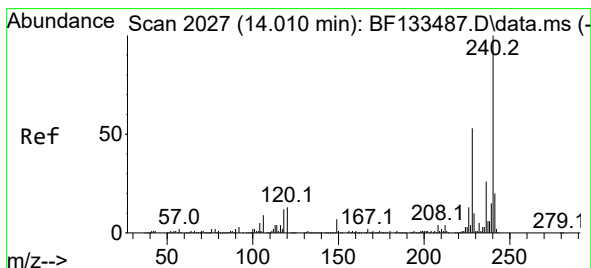
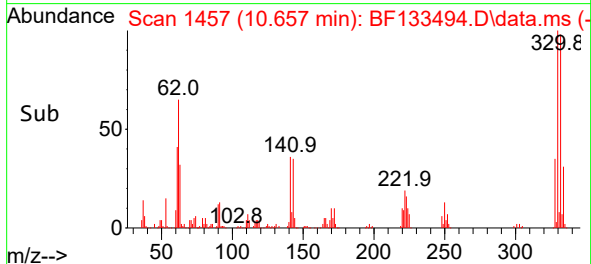
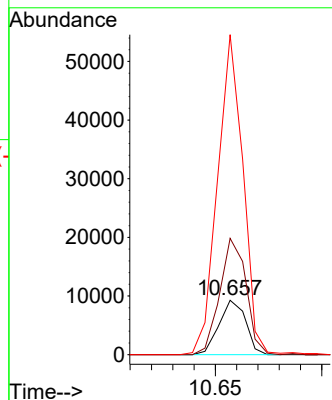
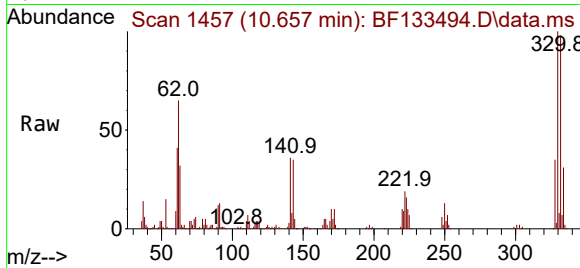




#67
4-Bromophenyl-phenylether
Concen: 3.139 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

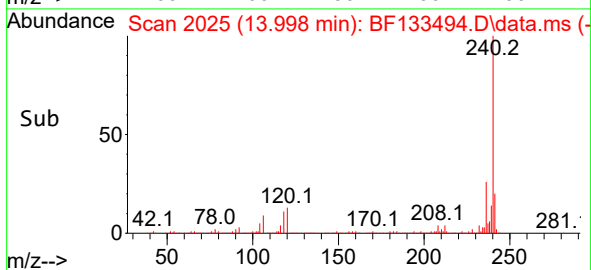
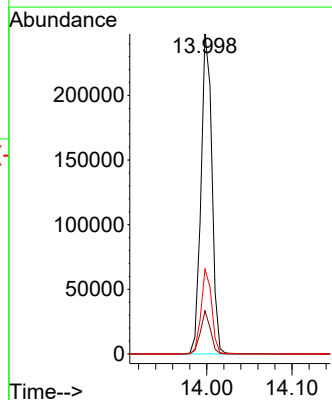
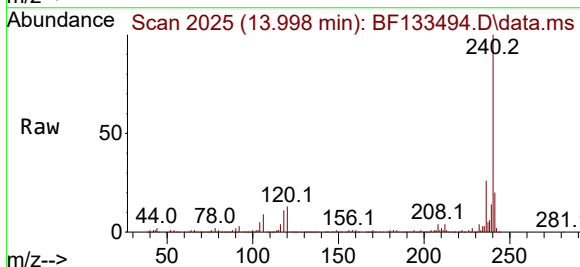
Instrument :
BNA_F
ClientSampleId :
WC10

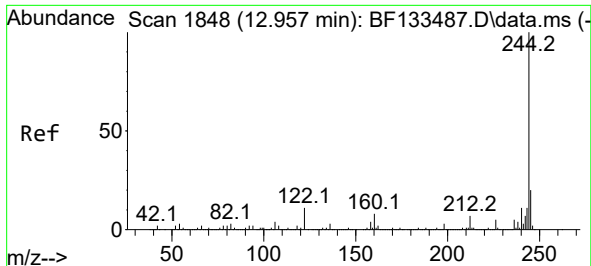
Tgt Ion:248 Resp: 8053
Ion Ratio Lower Upper
248 100
250 213.6 79.7 119.5#
141 587.4 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF133494.D
Acq: 25 May 2023 18:31

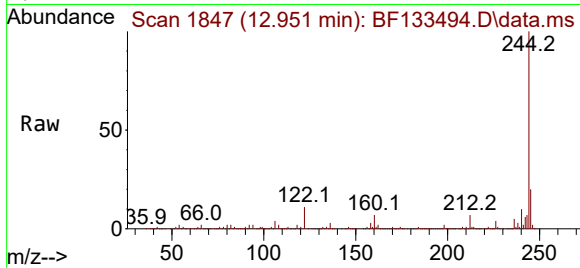
Tgt Ion:240 Resp: 220901
Ion Ratio Lower Upper
240 100
120 13.4 10.3 15.5
236 26.5 20.5 30.7



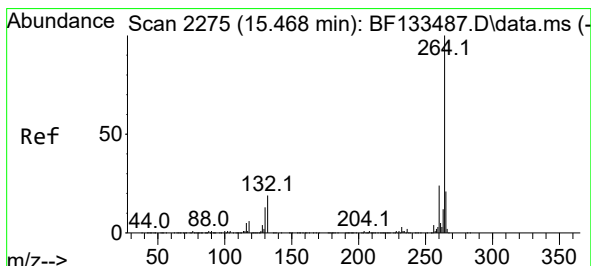
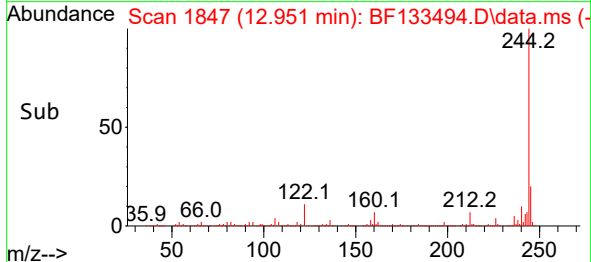
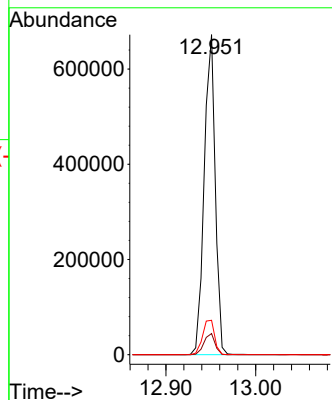


#79
 Terphenyl-d14
 Concen: 46.199 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133494.D
 Acq: 25 May 2023 18:31

Instrument :
 BNA_F
 ClientSampleId :
 WC10



Tgt Ion:244 Resp: 573983
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.7 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.012 min
 Lab File: BF133494.D
 Acq: 25 May 2023 18:31

Tgt Ion:264 Resp: 270870
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.4
 265 22.6 16.8 25.2

