

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133498.D
 Acq On : 25 May 2023 20:37
 Operator : CG\JU
 Sample : 02908-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC09

Quant Time: May 26 02:08:56 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)

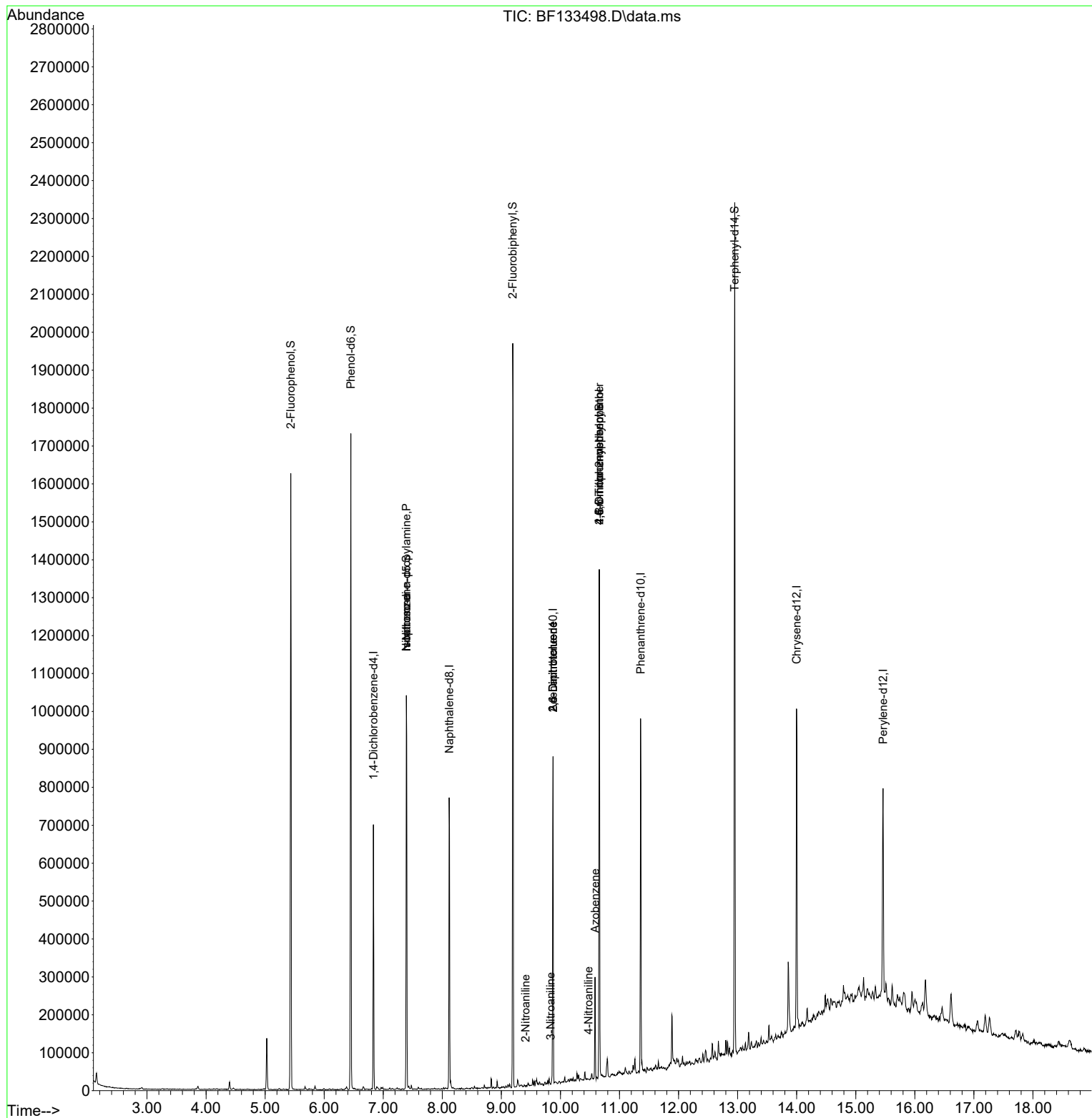
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	88935	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	320552	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	154479	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	324446	20.000	ng	0.00
76) Chrysene-d12	13.998	240	280026	20.000	ng	-0.01
86) Perylene-d12	15.462	264	250472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	404230	75.835	ng	-0.01
7) Phenol-d6	6.451	99	486091	74.080	ng	-0.01
23) Nitrobenzene-d5	7.392	82	287770	59.940	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	138158	89.720	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	569007	56.851	ng	-0.01
79) Terphenyl-d14	12.951	244	733005	46.541	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	518	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.392	70	39641	9.337 ng	#	80
25) Isophorone	7.392	82	287813	25.723 ng	#	65
48) 2-Nitroaniline	9.410	65	62	4.010 ng	#	6
51) 2,6-Dinitrotoluene	9.875	165	20236	12.733 ng	#	18
53) 3-Nitroaniline	9.833	138	62	3.202 ng	#	1
57) 2,4-Dinitrotoluene	9.875	165	20236	11.863 ng	#	16
62) 4-Nitroaniline	10.475	138	118	3.027 ng	#	39
63) Azobenzene	10.586	77	38595	3.421 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.657	198	187	8.827 ng	#	1
67) 4-Bromophenyl-phenylether	10.657	248	8516	2.472 ng	#	1

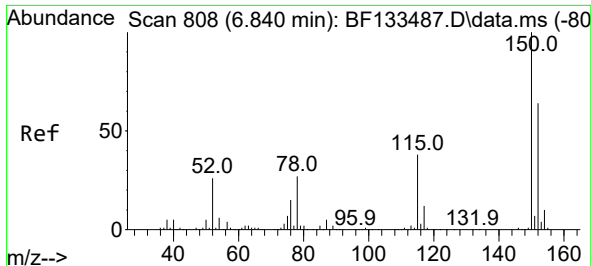
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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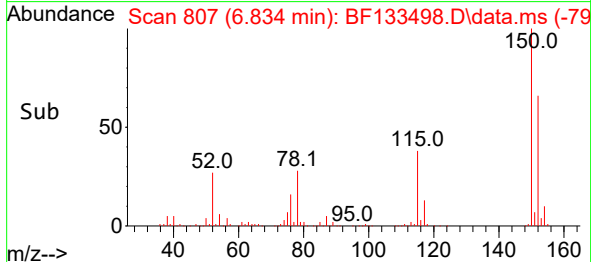
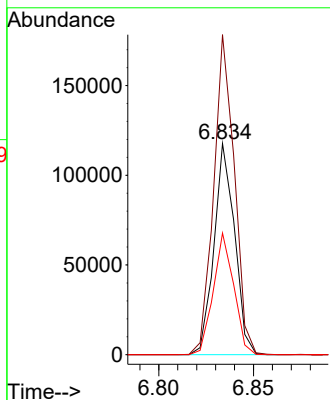
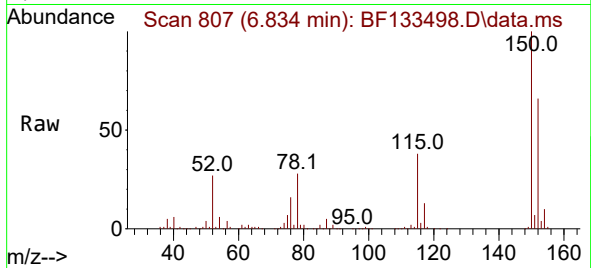




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

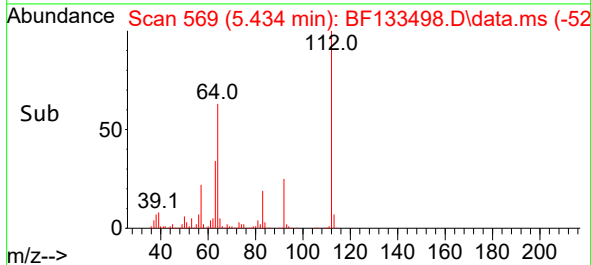
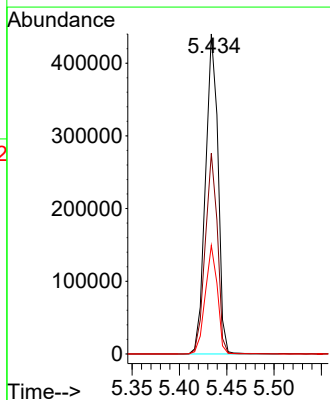
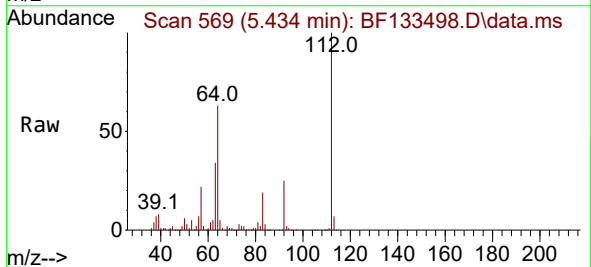
Instrument :
BNA_F
ClientSampleId :
WC09

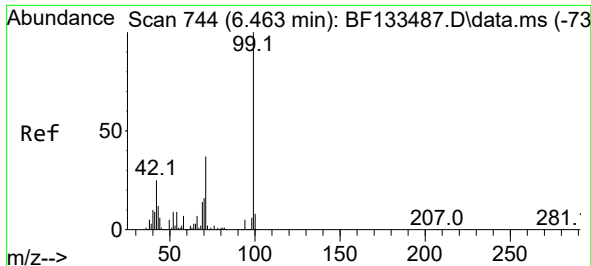
Tgt Ion:152 Resp: 88935
Ion Ratio Lower Upper
152 100
150 151.5 124.9 187.3
115 57.6 48.1 72.1



#5
2-Fluorophenol
Concen: 75.835 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion:112 Resp: 404230
Ion Ratio Lower Upper
112 100
64 62.7 50.1 75.1
63 33.9 27.5 41.3

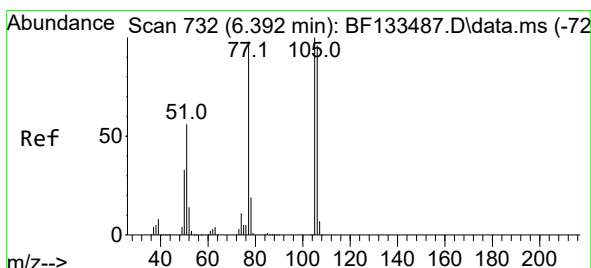
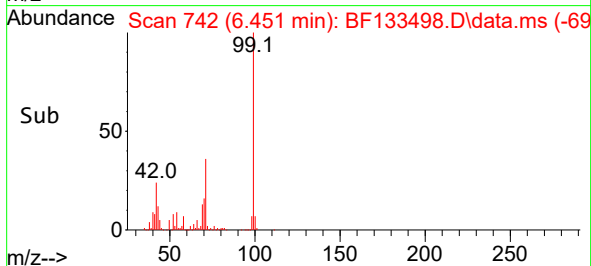
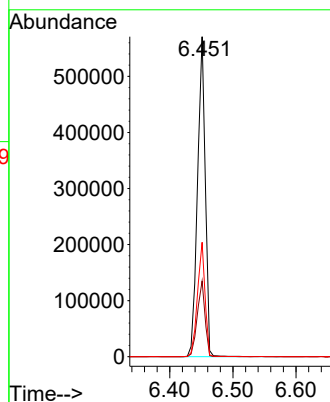
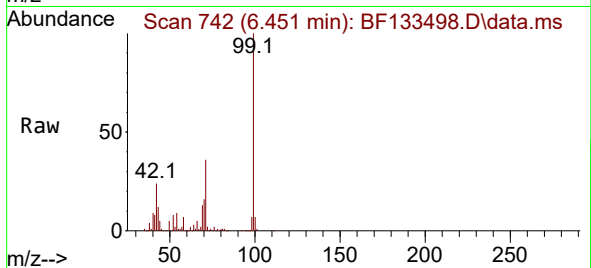




#7
Phenol-d6
Concen: 74.080 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

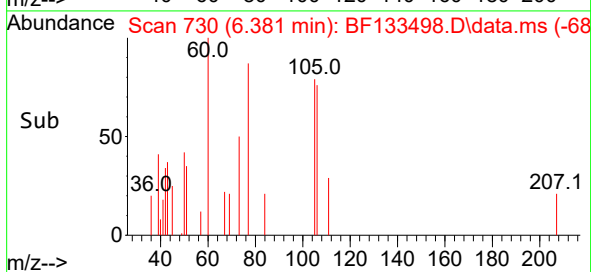
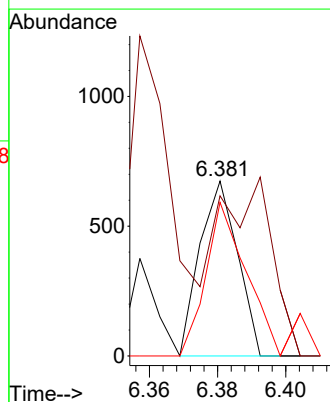
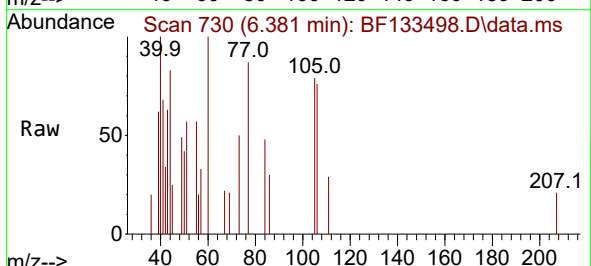
Instrument :
BNA_F
ClientSampleId :
WC09

Tgt Ion: 99 Resp: 486091
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 35.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion: 77 Resp: 518
Ion Ratio Lower Upper
77 100
105 91.5 81.9 121.9
106 87.8 77.8 117.8

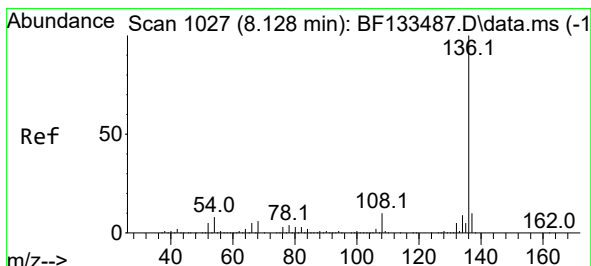
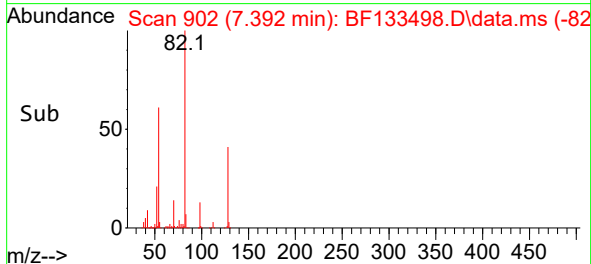
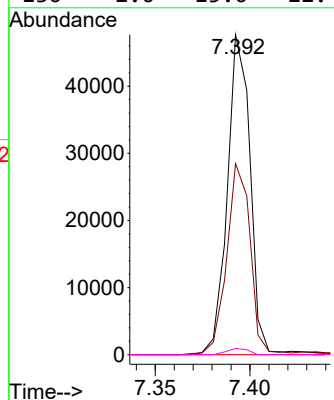
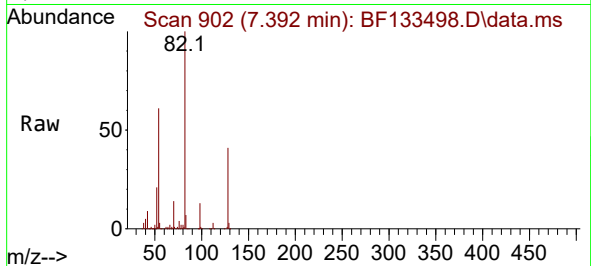




#19
n-Nitroso-di-n-propylamine
Concen: 9.337 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

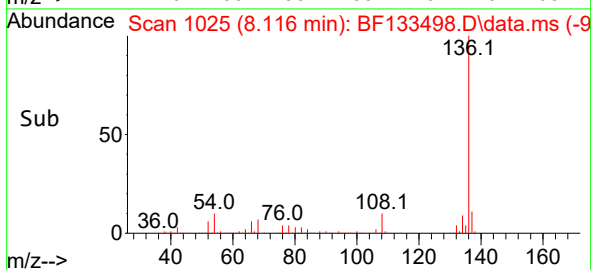
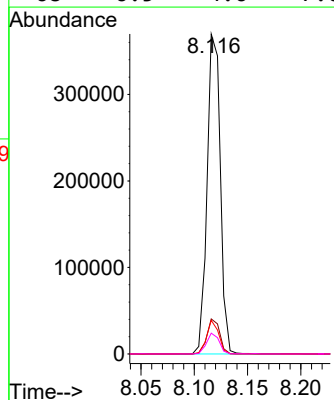
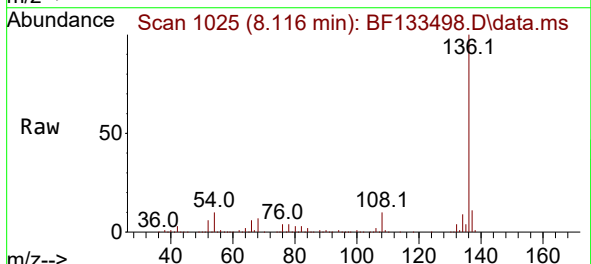
Instrument :
BNA_F
ClientSampleId :
WC09

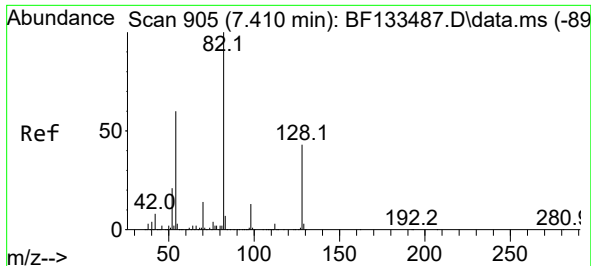
Tgt Ion: 70 Resp: 39641
Ion Ratio Lower Upper
70 100
42 59.7 57.2 85.8
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion: 136 Resp: 320552
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 10.5 6.6 10.0#
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 59.940 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.018 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

Instrument :

BNA_F

ClientSampleId :

WC09

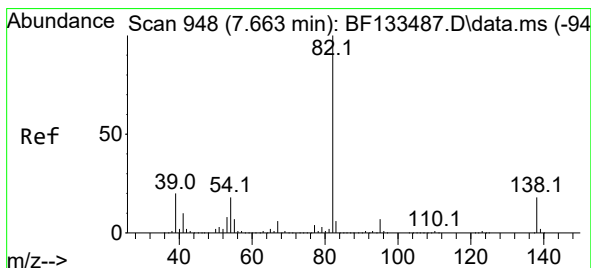
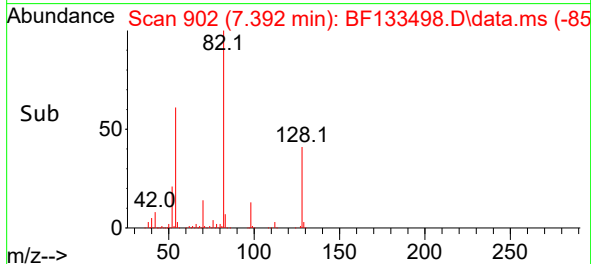
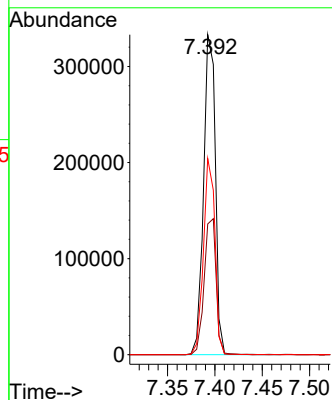
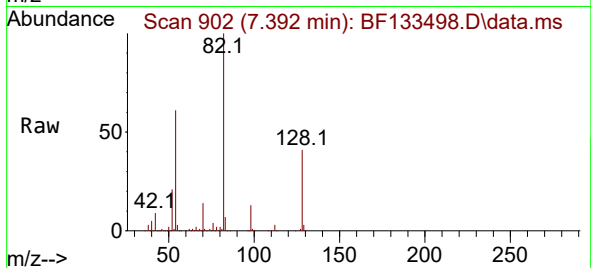
Tgt Ion: 82 Resp: 287770

Ion Ratio Lower Upper

82 100

128 40.9 34.2 51.4

54 61.3 48.2 72.4



#25

Isophorone

Concen: 25.723 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.271 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

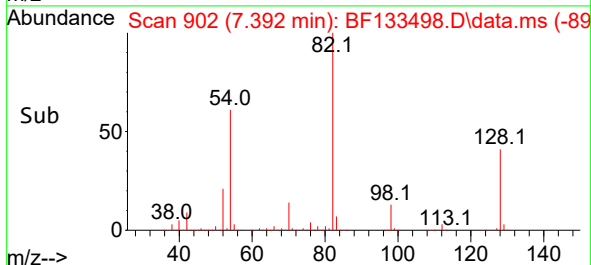
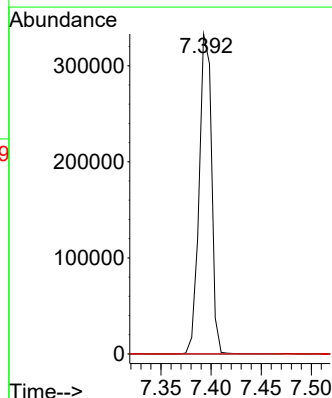
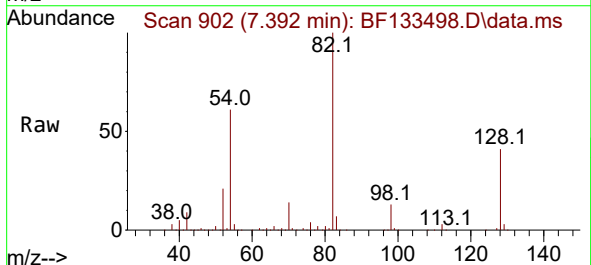
Tgt Ion: 82 Resp: 287813

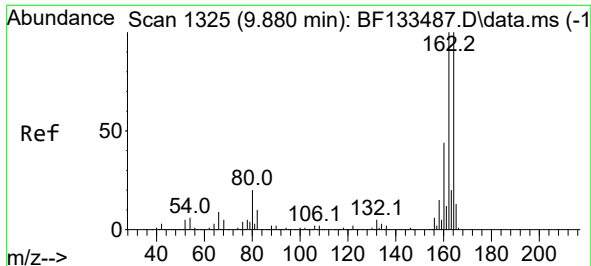
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

Instrument :

BNA_F

ClientSampleId :

WC09

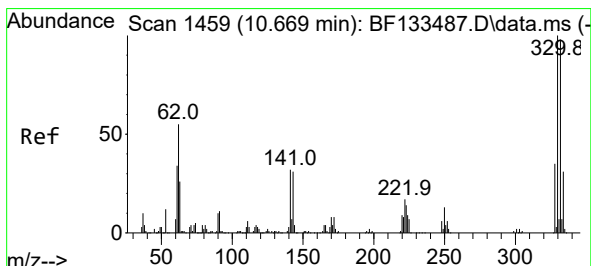
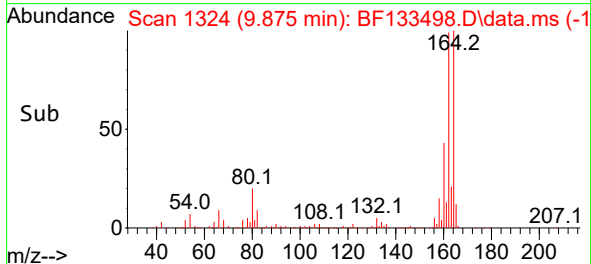
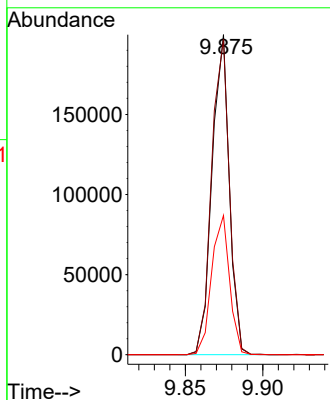
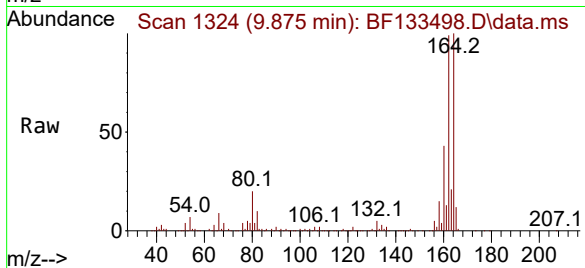
Tgt Ion:164 Resp: 154479

Ion Ratio Lower Upper

164 100

162 98.6 79.7 119.5

160 43.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 89.720 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

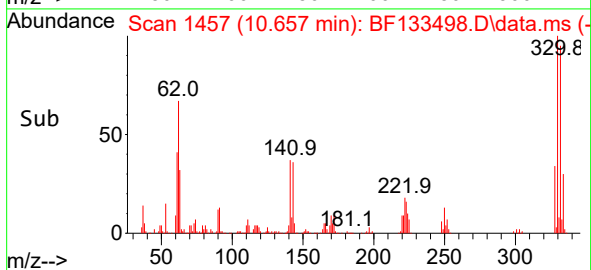
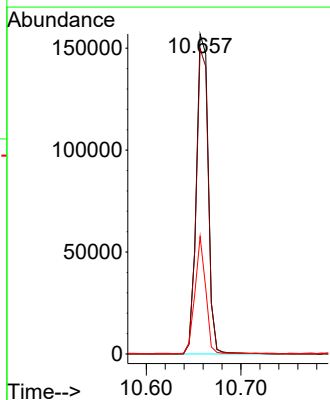
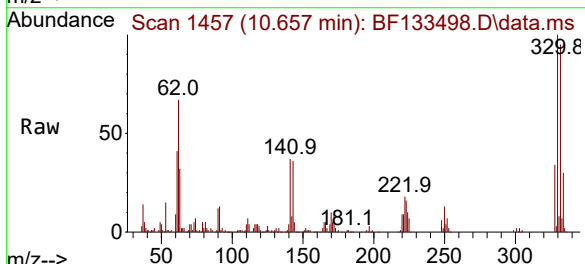
Tgt Ion:330 Resp: 138158

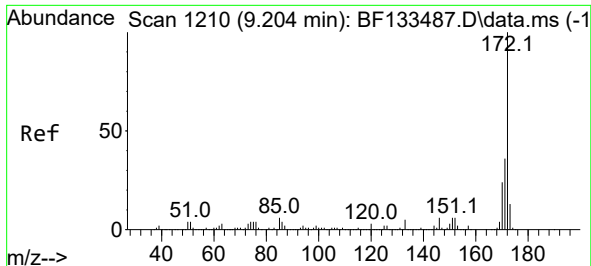
Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

141 32.9 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 56.851 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

Instrument :

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ClientSampleId :

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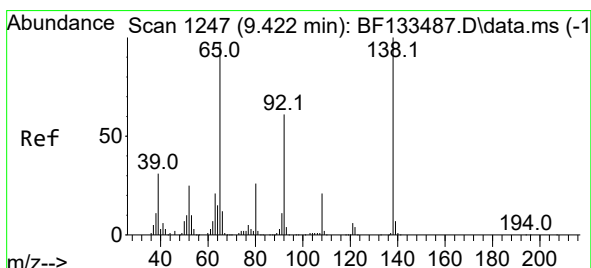
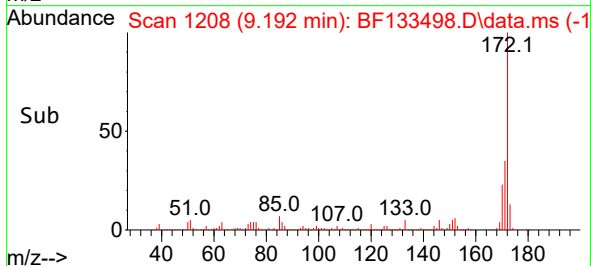
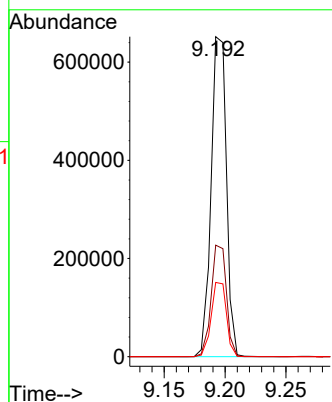
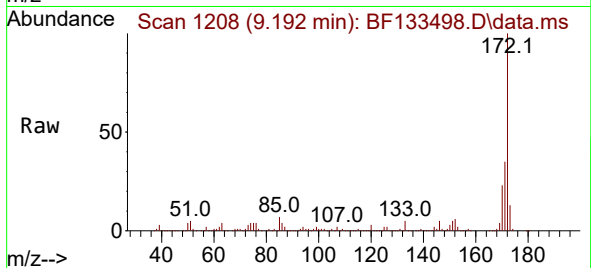
Tgt Ion:172 Resp: 569007

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.2 19.3 28.9



#48

2-Nitroaniline

Concen: 4.010 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.012 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

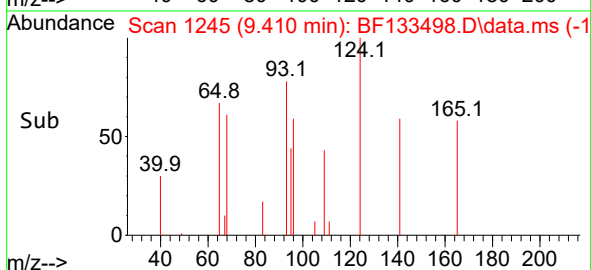
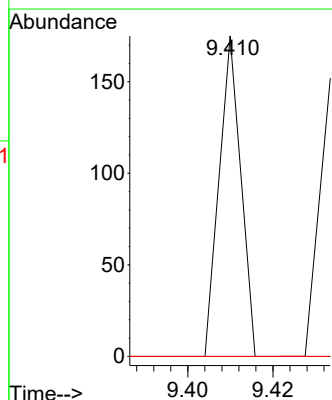
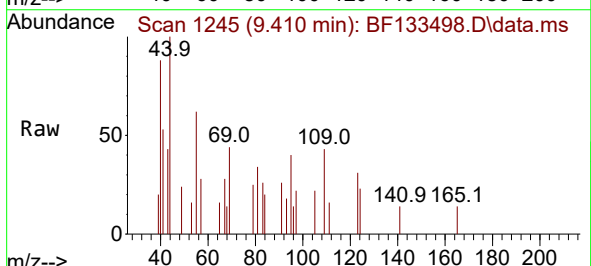
Tgt Ion: 65 Resp: 62

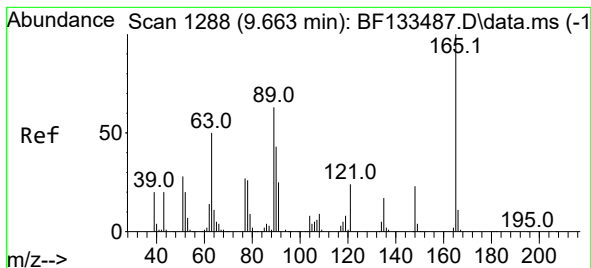
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.733 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133498.D

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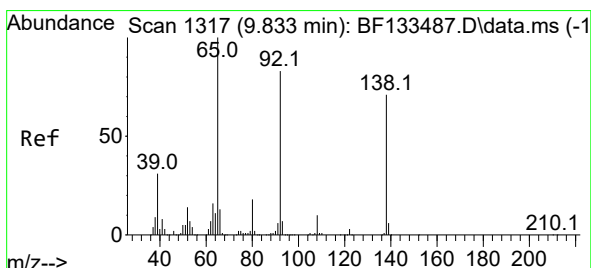
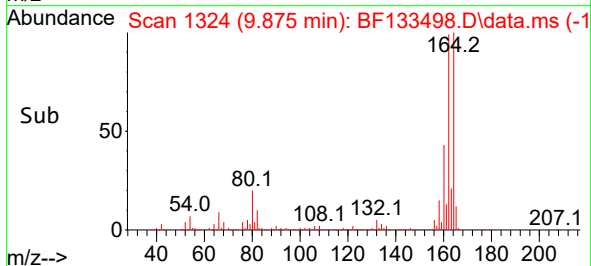
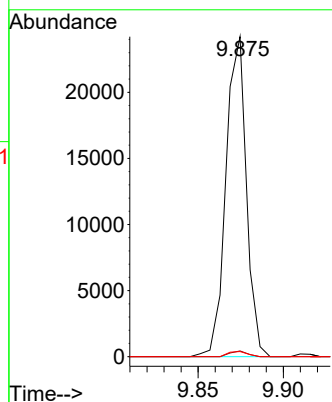
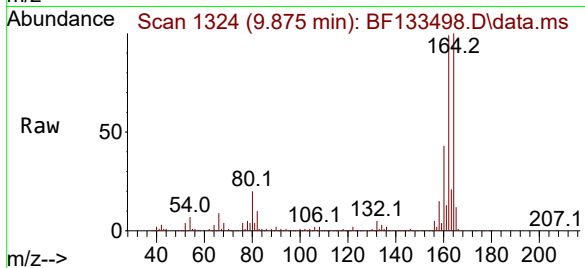
Tgt Ion:165 Resp: 20236

Ion Ratio Lower Upper

165 100

63 1.8 57.0 85.4#

89 1.6 50.8 76.2#



#53

3-Nitroaniline

Concen: 3.202 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

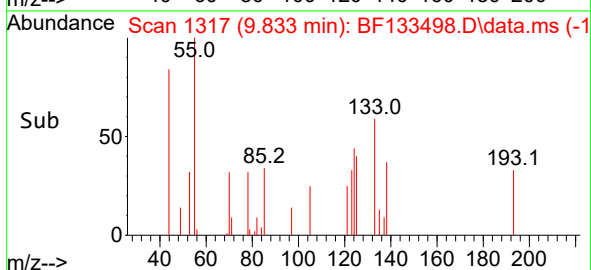
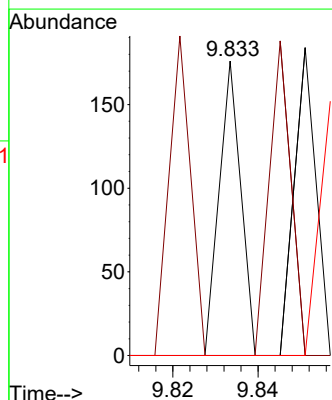
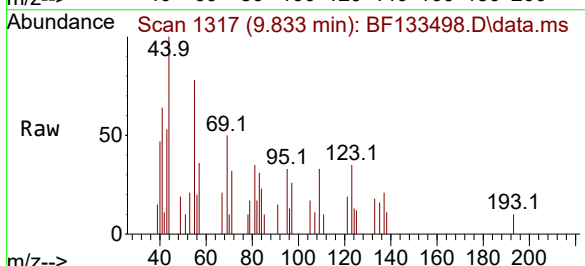
Tgt Ion:138 Resp: 62

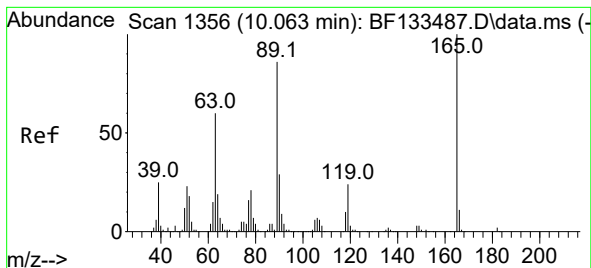
Ion Ratio Lower Upper

138 100

108 0.0 11.9 17.9#

92 0.0 93.1 139.7#

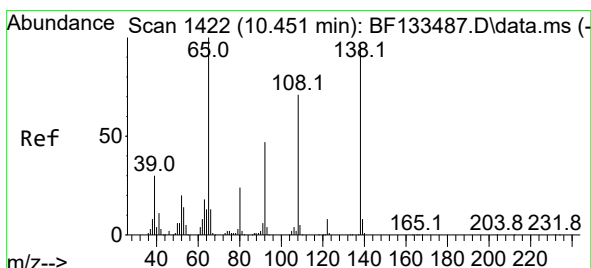
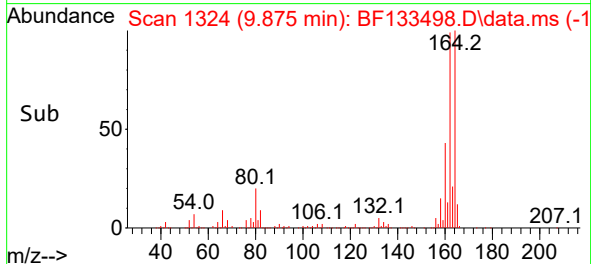
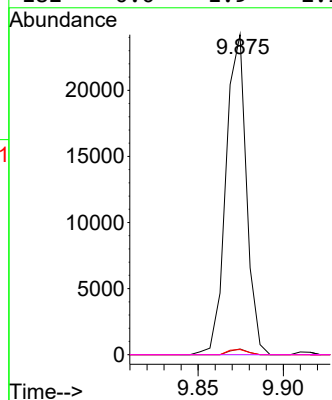
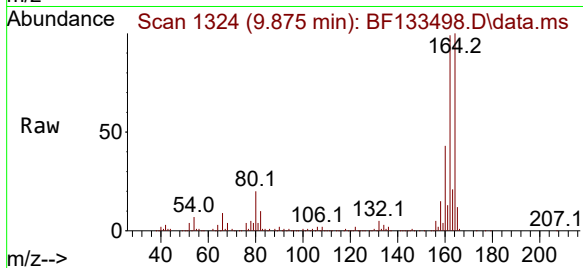




#57
2,4-Dinitrotoluene
Concen: 11.863 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

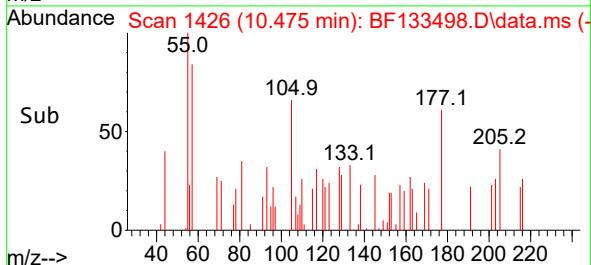
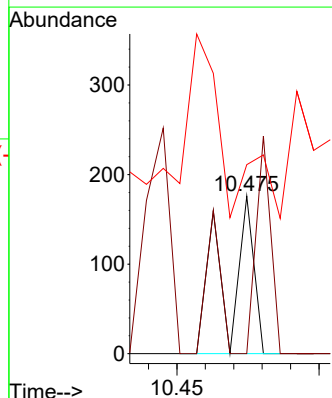
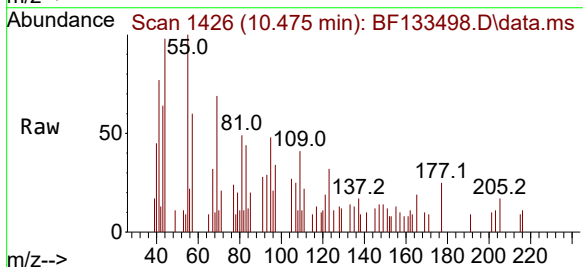
Instrument :
BNA_F
ClientSampleId :
WC09

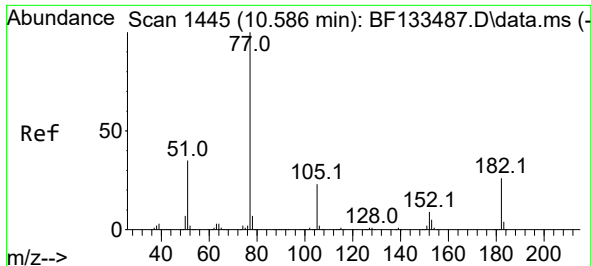
Tgt Ion:165 Resp: 20236
Ion Ratio Lower Upper
165 100
63 1.8 48.1 72.1#
89 1.6 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.027 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.024 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion:138 Resp: 118
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 119.9 54.2 94.2#

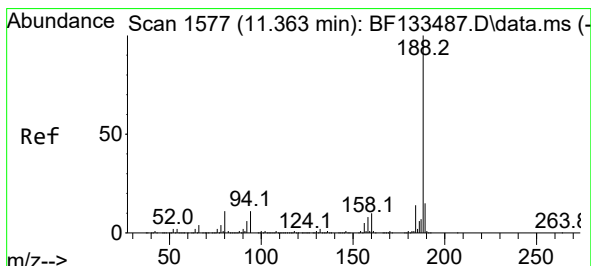
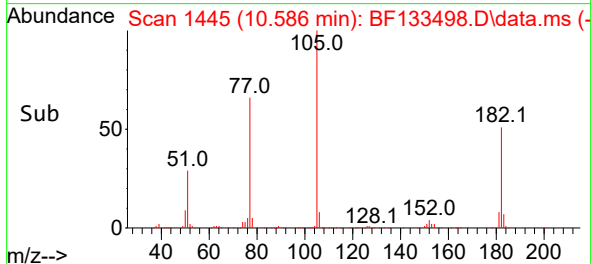
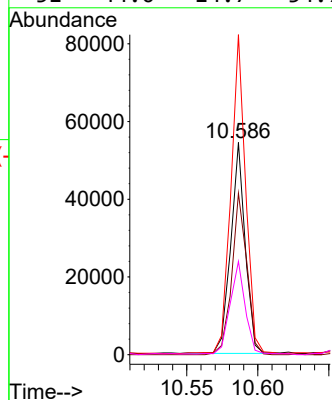
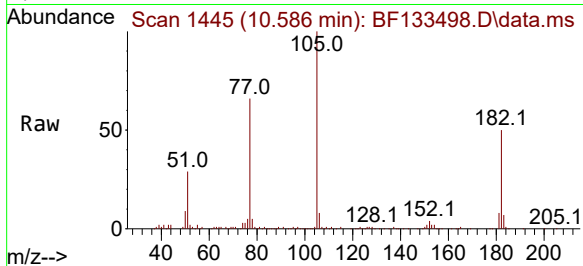




#63
Azobenzene
Concen: 3.421 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

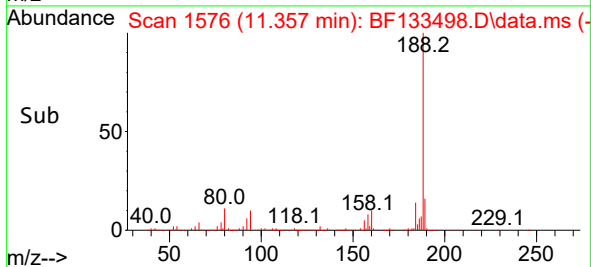
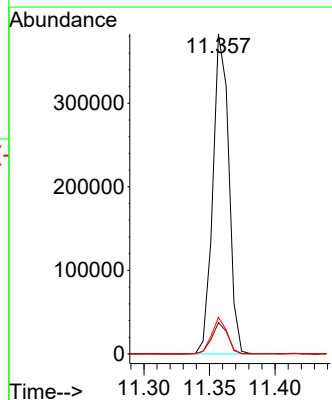
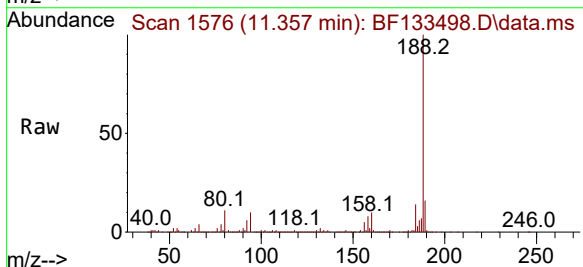
Instrument :
BNA_F
ClientSampleId :
WC09

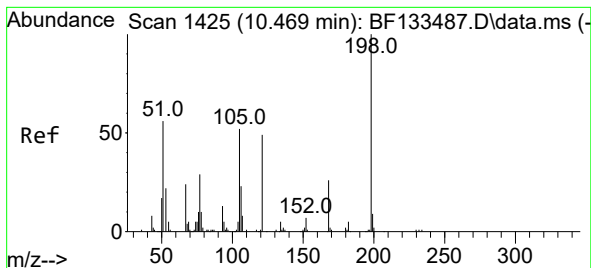
Tgt Ion: 77	Resp: 38595
Ion Ratio	Lower Upper
77	100
182	76.1 5.6 45.6#
105	150.9 2.6 42.6#
51	44.0 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion: 188	Resp: 324446
Ion Ratio	Lower Upper
188	100
94	9.8 8.6 12.8
80	11.4 9.2 13.8

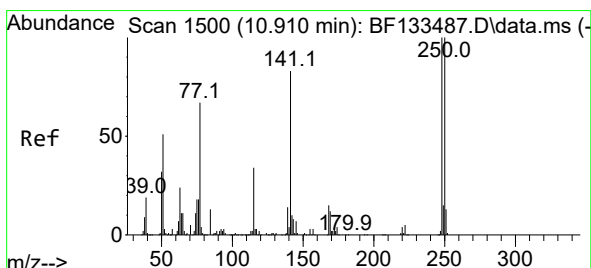
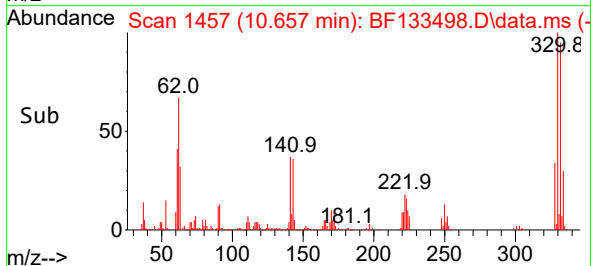
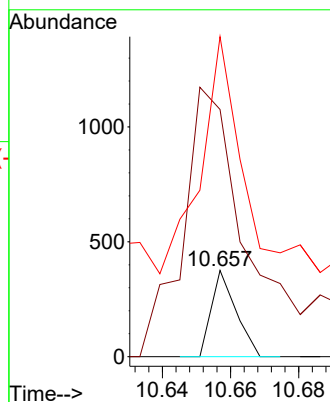
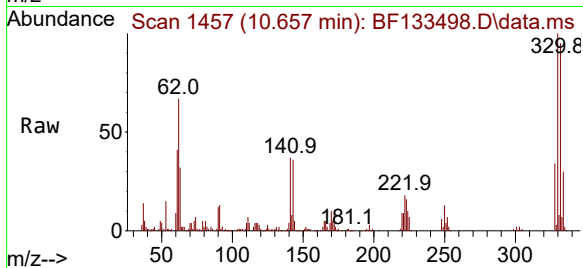




#65
4,6-Dinitro-2-methylphenol
Concen: 8.827 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

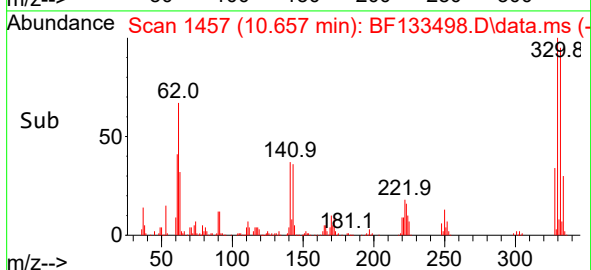
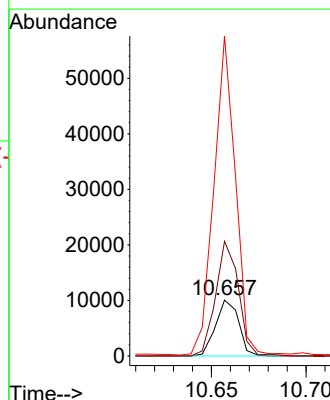
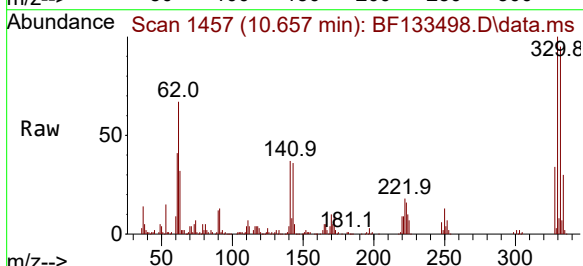
Instrument :
BNA_F
ClientSampleId :
WC09

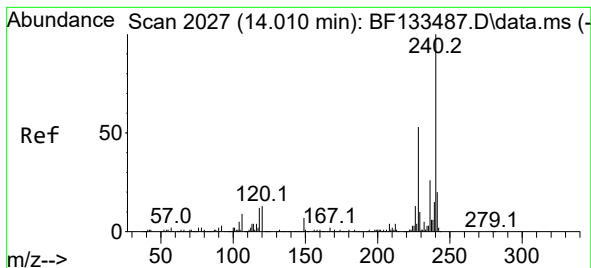
Tgt Ion:198 Resp: 187
Ion Ratio Lower Upper
198 100
51 286.9 53.6 93.6#
105 371.5 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.472 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.253 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Tgt Ion:248 Resp: 8516
Ion Ratio Lower Upper
248 100
250 205.6 79.7 119.5#
141 573.8 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

Instrument :

BNA_F

ClientSampleId :

WC09

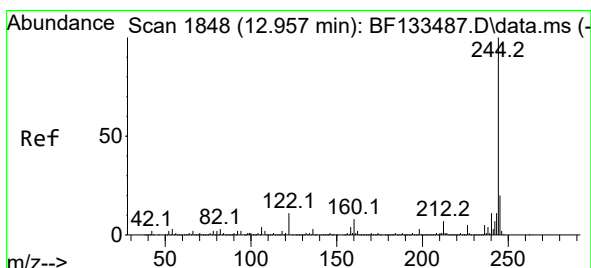
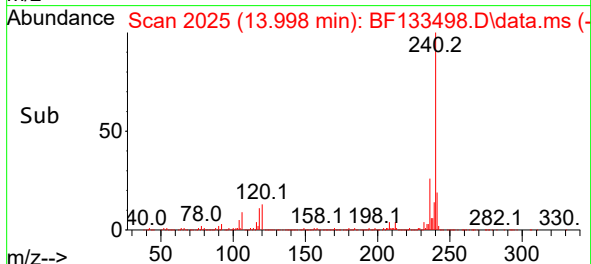
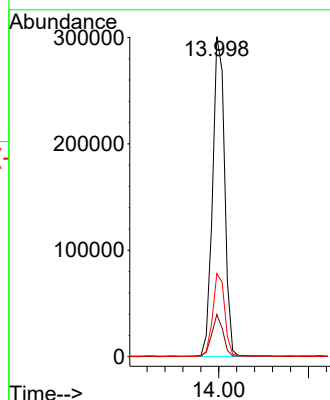
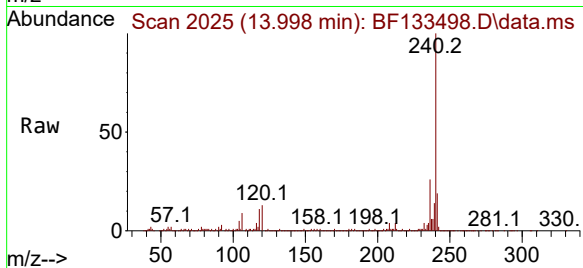
Tgt Ion:240 Resp: 280026

Ion Ratio Lower Upper

240 100

120 13.2 10.3 15.5

236 26.0 20.5 30.7



#79

Terphenyl-d14

Concen: 46.541 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133498.D

Acq: 25 May 2023 20:37

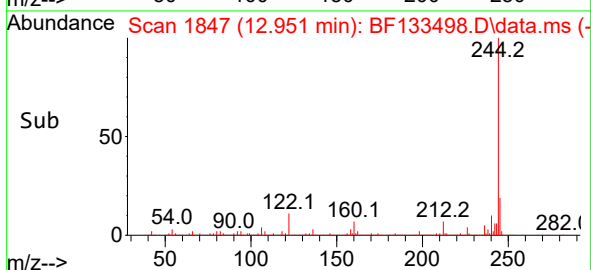
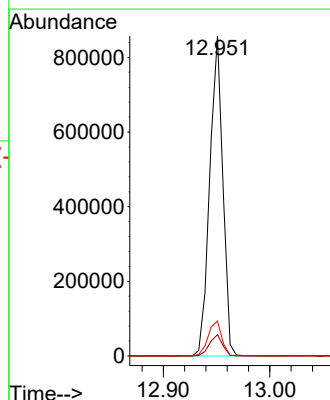
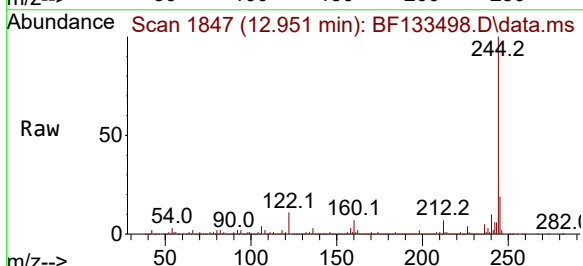
Tgt Ion:244 Resp: 733005

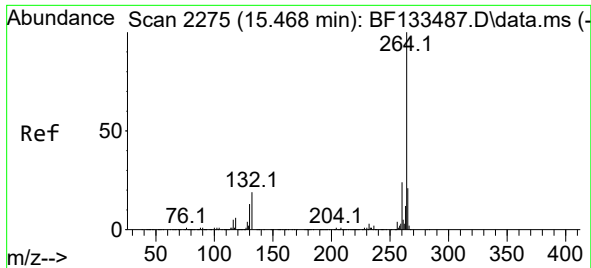
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

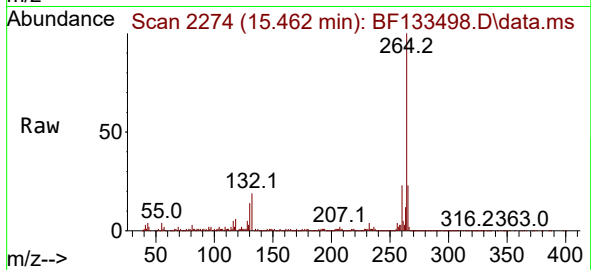
122 10.9 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133498.D
Acq: 25 May 2023 20:37

Instrument :
BNA_F
ClientSampleId :
WC09



Tgt Ion:264 Resp: 250472

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.7	16.8	25.2

