

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133496.D
 Acq On : 25 May 2023 19:34
 Operator : CG\JU
 Sample : 02908-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC13

Quant Time: May 26 02:08:25 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)

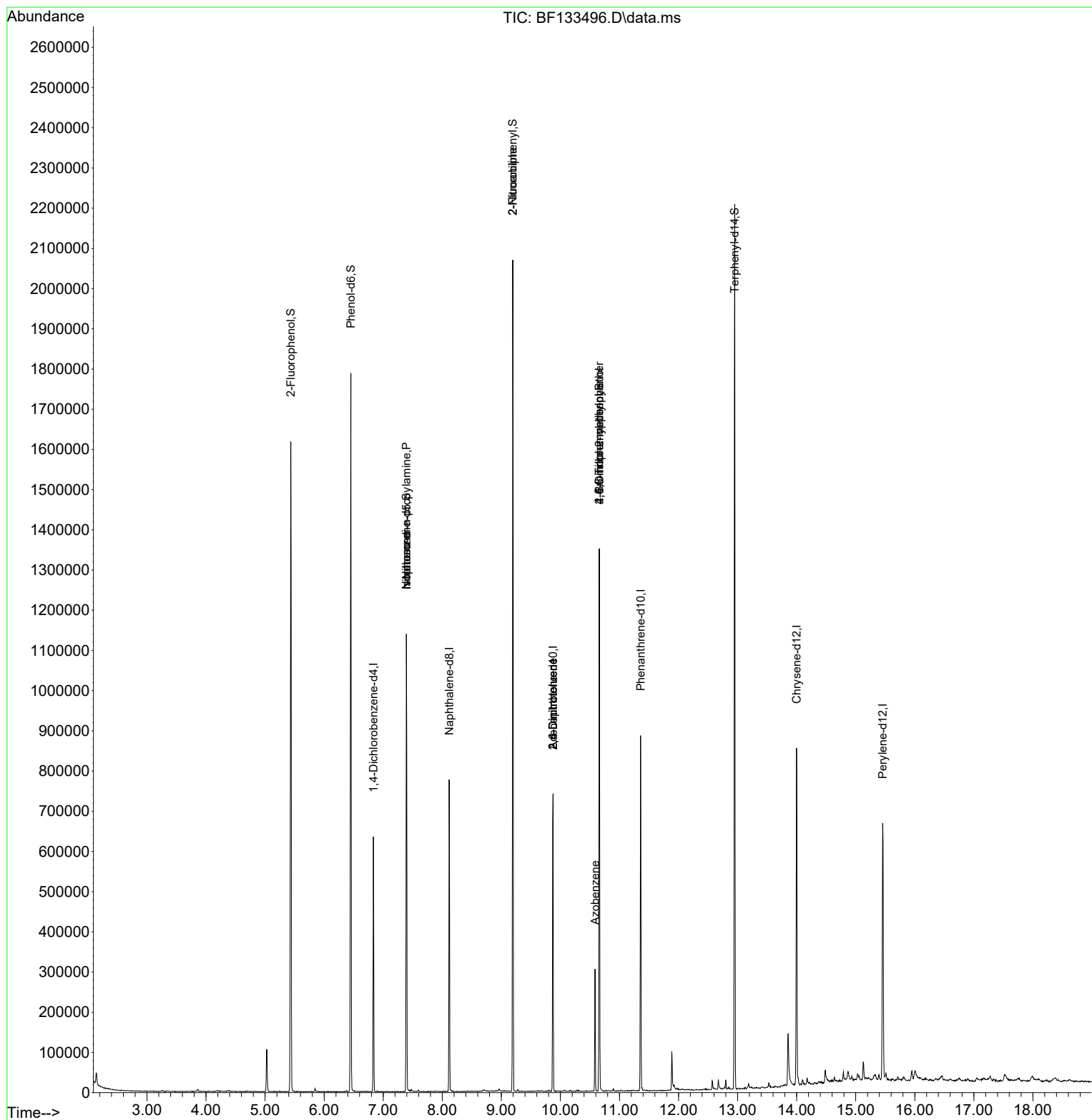
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	79581	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	295416	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	139457	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	291204	20.000	ng	0.00
76) Chrysene-d12	13.998	240	256083	20.000	ng	-0.01
86) Perylene-d12	15.457	264	283721	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	416668	87.357	ng	-0.01
7) Phenol-d6	6.451	99	502800	85.633	ng	-0.01
23) Nitrobenzene-d5	7.393	82	301803	68.212	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	133752	96.215	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	574769	63.612	ng	-0.01
79) Terphenyl-d14	12.951	244	714997	49.642	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	85	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.393	70	40730	10.721 ng	#	80
25) Isophorone	7.393	82	301799	29.268 ng	#	65
48) 2-Nitroaniline	9.192	65	1007	4.341 ng	#	1
51) 2,6-Dinitrotoluene	9.875	165	18210	12.704 ng	#	18
57) 2,4-Dinitrotoluene	9.875	165	18210	11.840 ng	#	16
63) Azobenzene	10.586	77	44860	4.404 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.657	198	328	8.937 ng	#	1
67) 4-Bromophenyl-phenylether	10.657	248	8506	2.750 ng	#	1

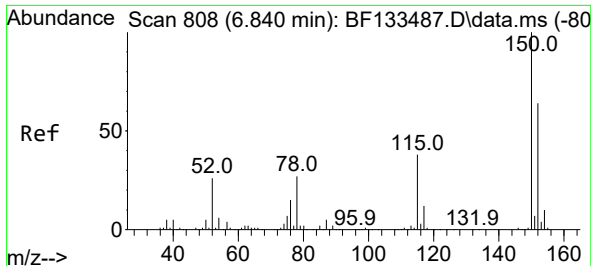
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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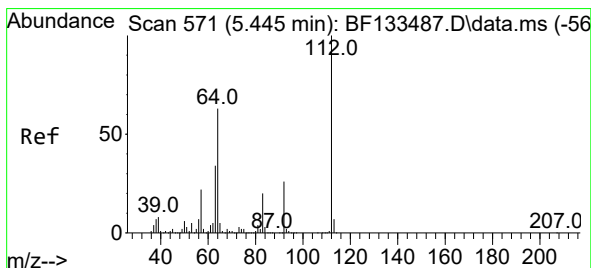
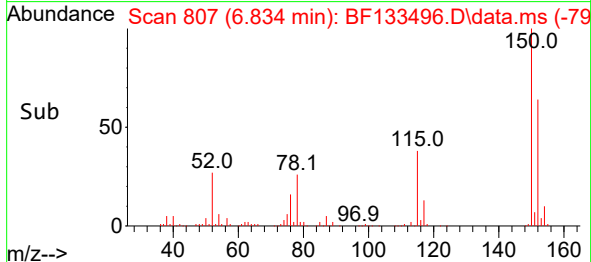
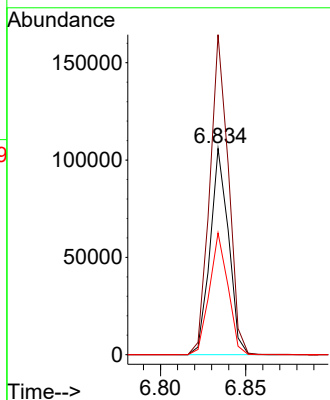
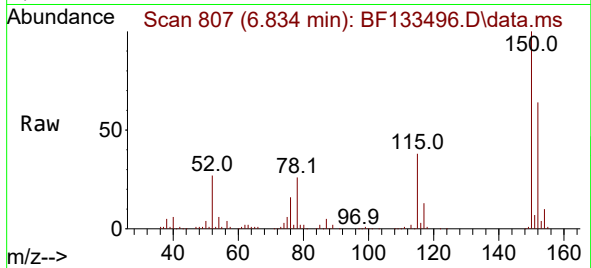




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

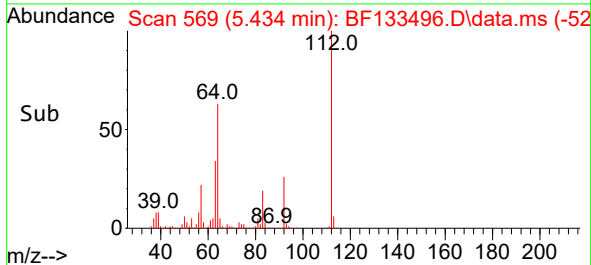
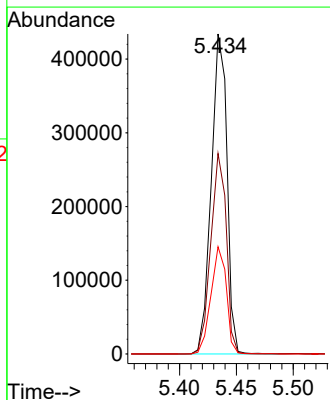
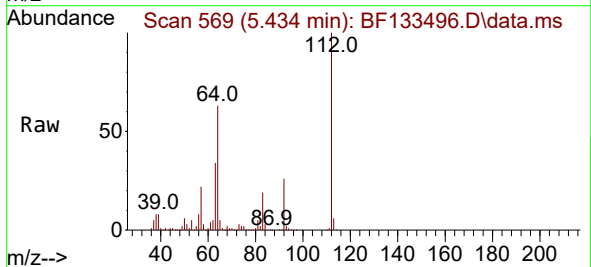
Instrument :
BNA_F
ClientSampleId :
WC13

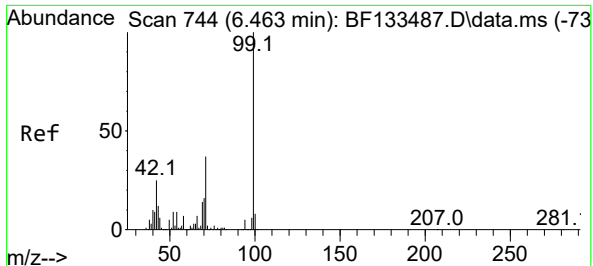
Tgt Ion:152 Resp: 79581
Ion Ratio Lower Upper
152 100
150 155.2 124.9 187.3
115 59.0 48.1 72.1



#5
2-Fluorophenol
Concen: 87.357 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion:112 Resp: 416668
Ion Ratio Lower Upper
112 100
64 62.6 50.1 75.1
63 33.5 27.5 41.3

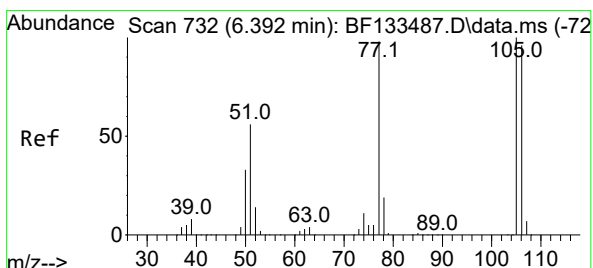
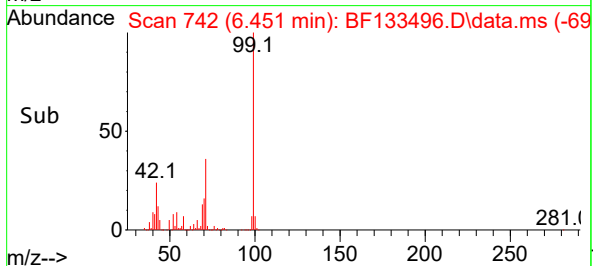
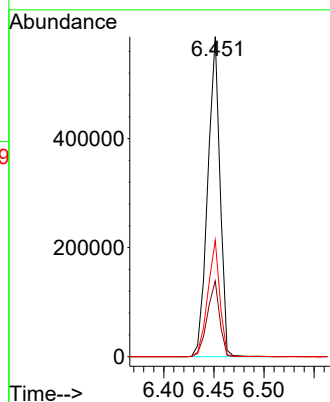
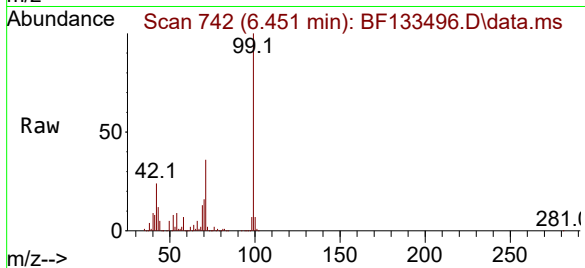




#7
Phenol-d6
Concen: 85.633 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

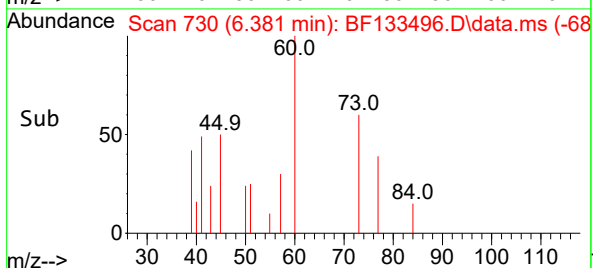
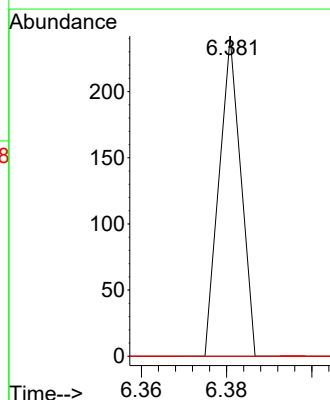
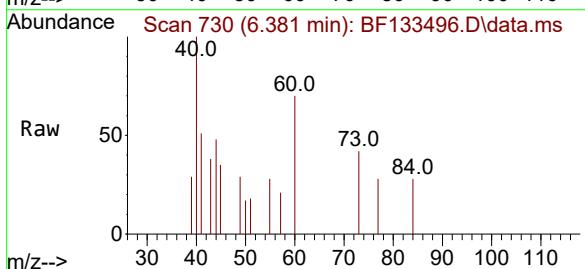
Instrument :
BNA_F
ClientSampleId :
WC13

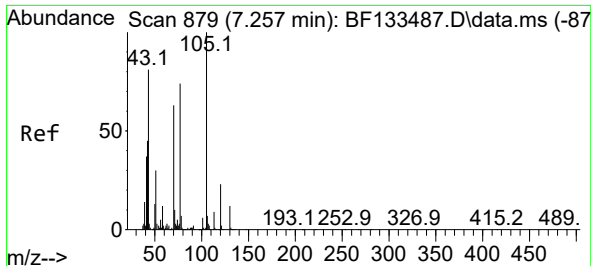
Tgt Ion: 99 Resp: 502800
Ion Ratio Lower Upper
99 100
42 23.6 19.7 29.5
71 36.4 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion: 77 Resp: 85
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

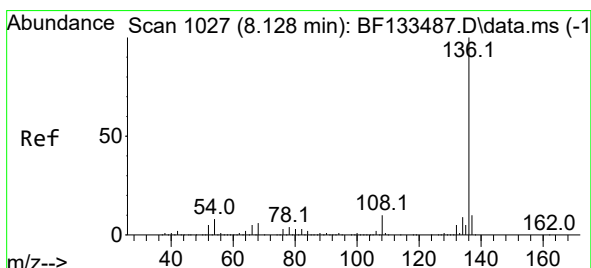
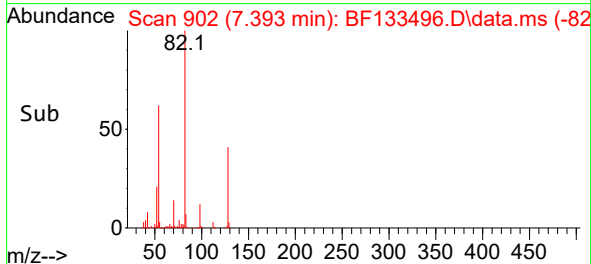
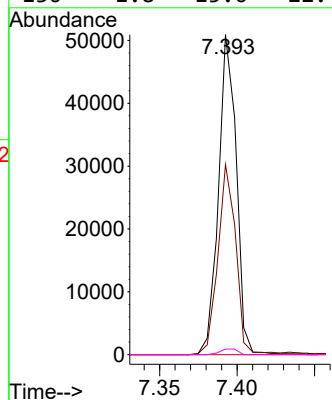
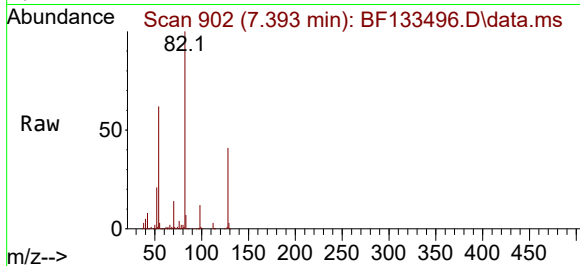




#19
n-Nitroso-di-n-propylamine
Concen: 10.721 ng
RT: 7.393 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

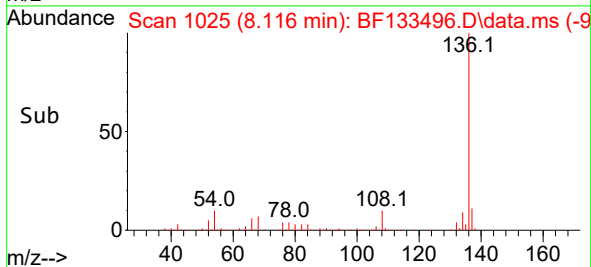
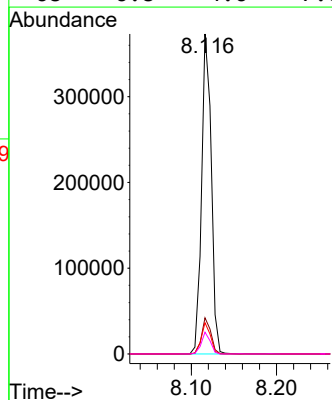
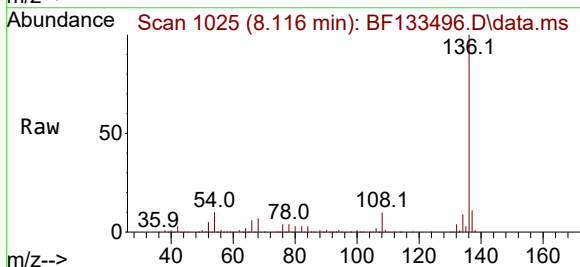
Instrument :
BNA_F
ClientSampleId :
WC13

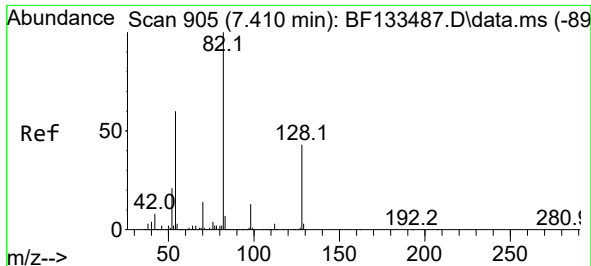
Tgt Ion:	70	Resp:	40730
Ion	Ratio	Lower	Upper
70	100		
42	59.4	57.2	85.8
101	0.0	7.3	10.9#
130	1.8	15.0	22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion:	136	Resp:	295416
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	9.7	6.6	10.0
68	6.8	4.6	7.0





#23

Nitrobenzene-d5

Concen: 68.212 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.018 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WC13

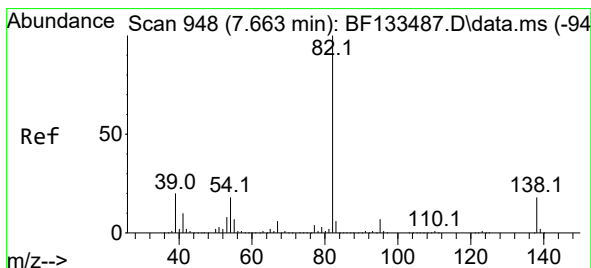
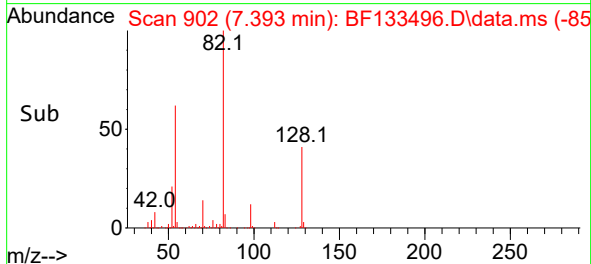
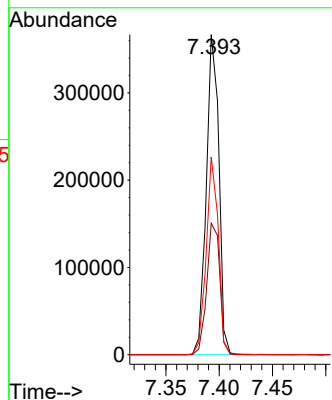
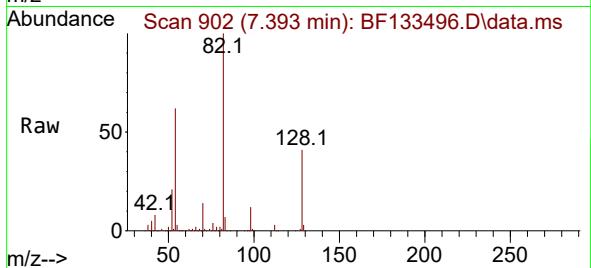
Tgt Ion: 82 Resp: 301803

Ion Ratio Lower Upper

82 100

128 41.1 34.2 51.4

54 61.7 48.2 72.4



#25

Isophorone

Concen: 29.268 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.270 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

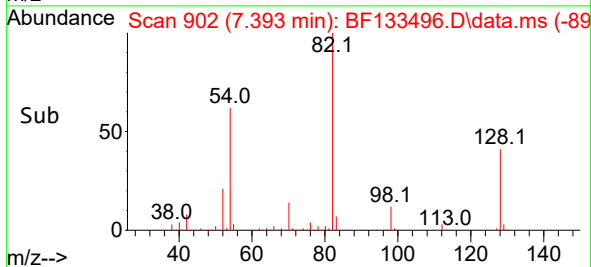
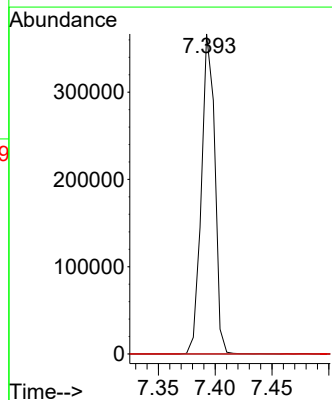
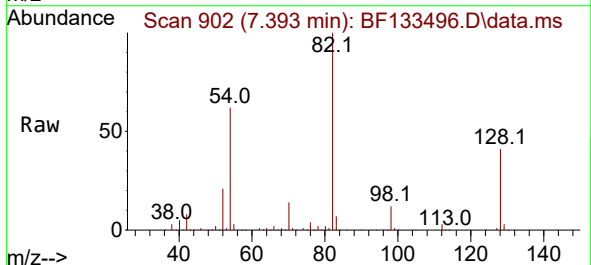
Tgt Ion: 82 Resp: 301799

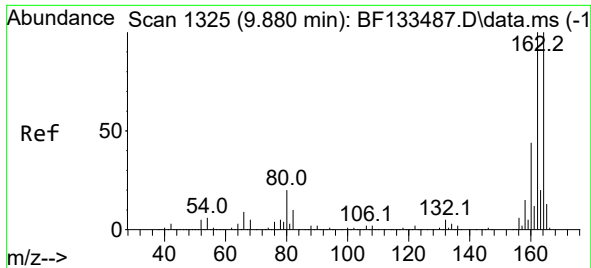
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

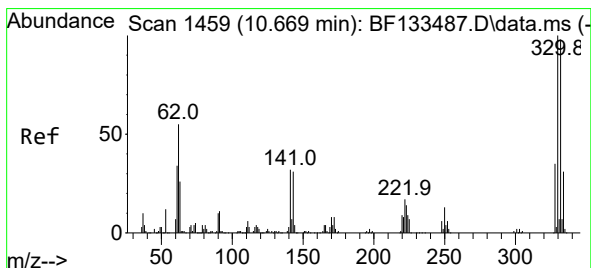
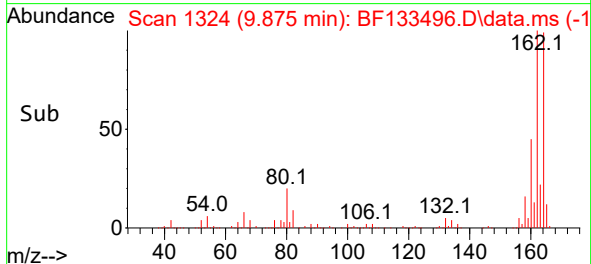
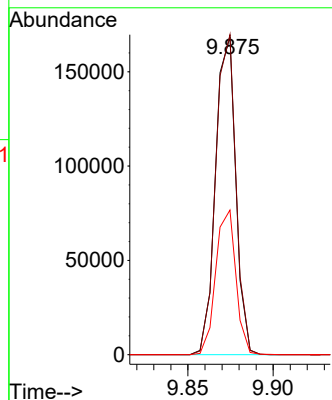
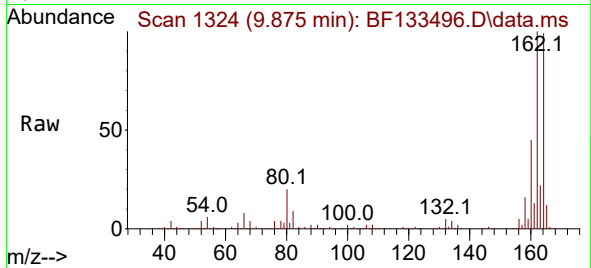




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

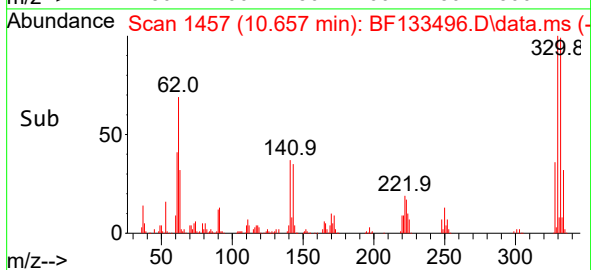
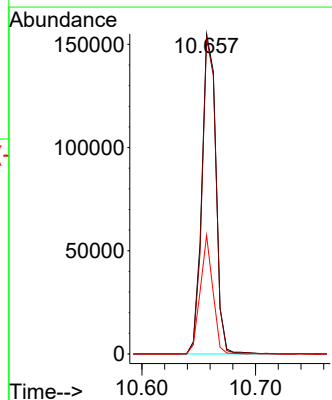
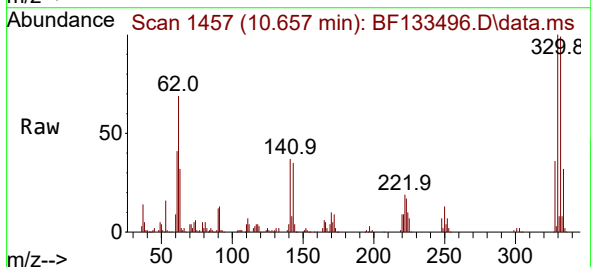
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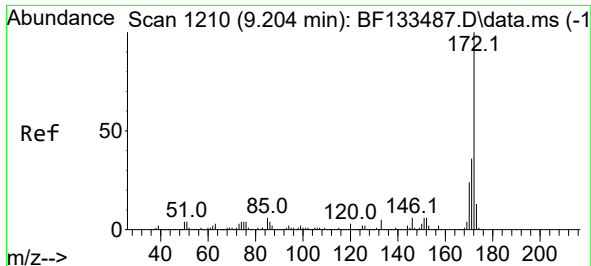
Tgt Ion:164 Resp: 139457
Ion Ratio Lower Upper
164 100
162 100.7 79.7 119.5
160 45.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 96.215 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion:330 Resp: 133752
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.6
141 33.1 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 63.612 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WC13

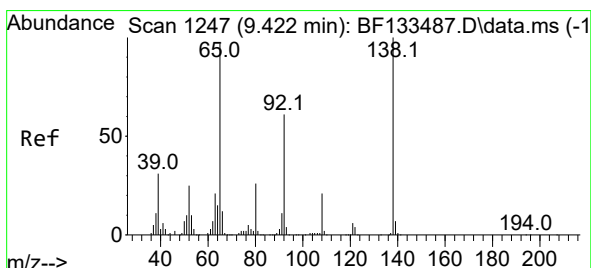
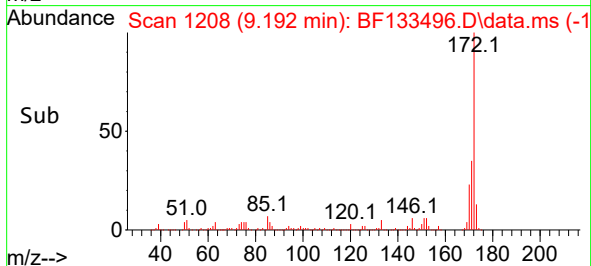
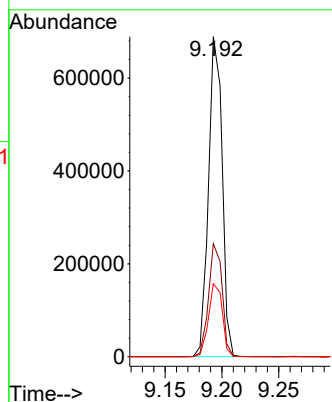
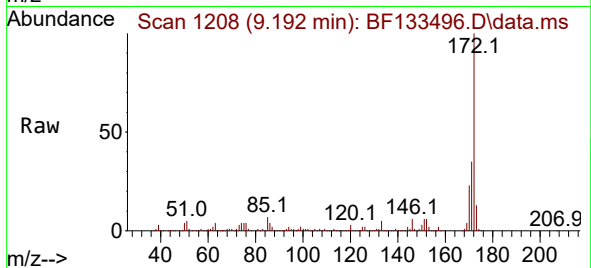
Tgt Ion:172 Resp: 574769

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 22.8 19.3 28.9



#48

2-Nitroaniline

Concen: 4.341 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.230 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

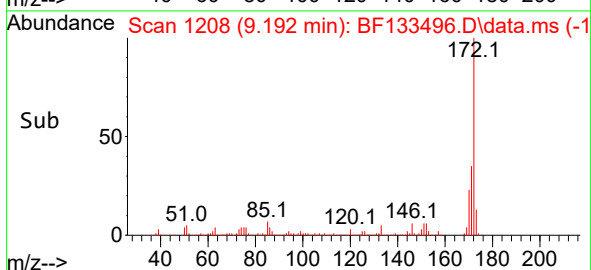
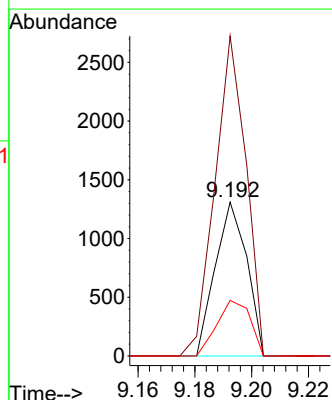
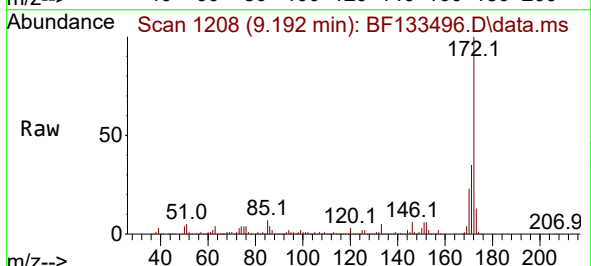
Tgt Ion: 65 Resp: 1007

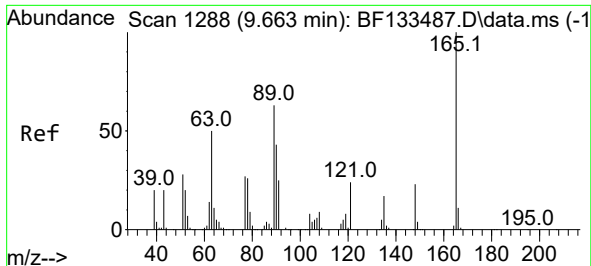
Ion Ratio Lower Upper

65 100

92 208.2 50.8 76.2#

138 36.1 82.6 124.0#

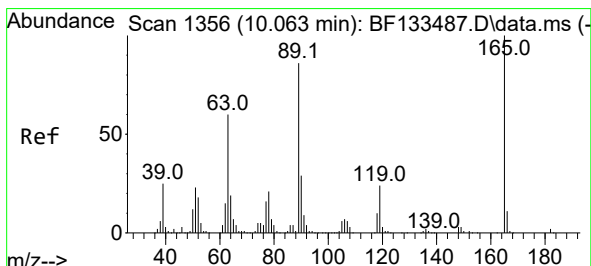
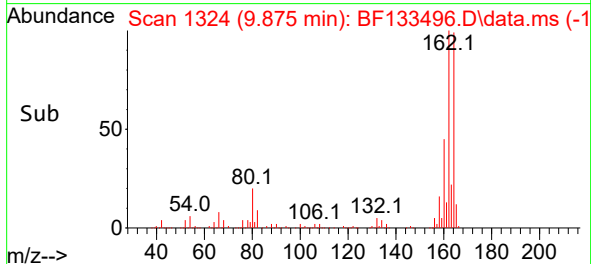
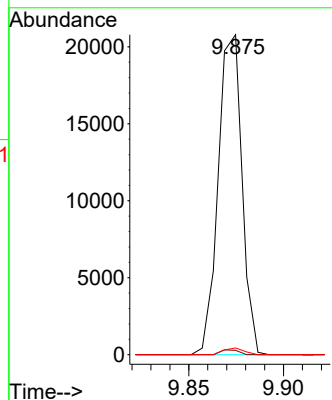
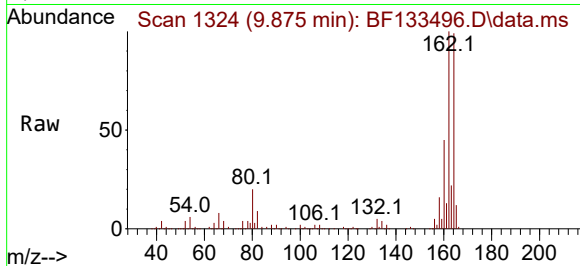




#51
2,6-Dinitrotoluene
Concen: 12.704 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

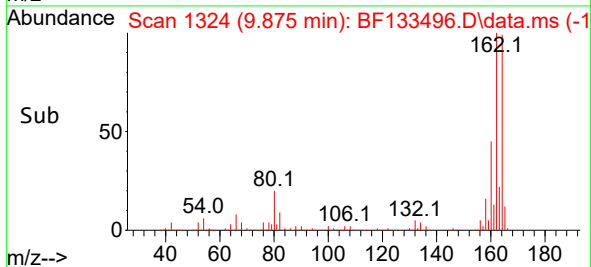
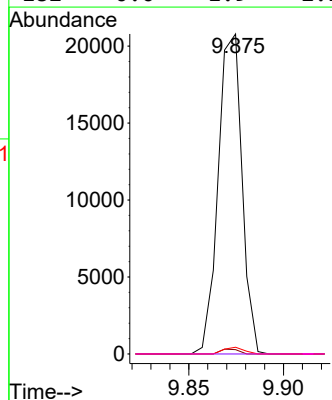
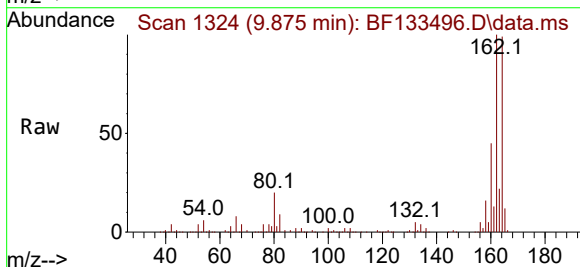
Instrument :
BNA_F
ClientSampleId :
WC13

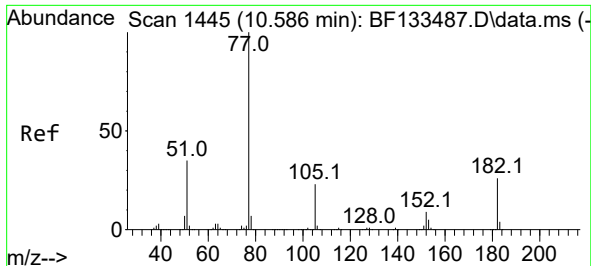
Tgt Ion:165 Resp: 18210
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 2.1 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.840 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion:165 Resp: 18210
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 2.1 68.4 102.6#
182 0.0 1.9 2.9#

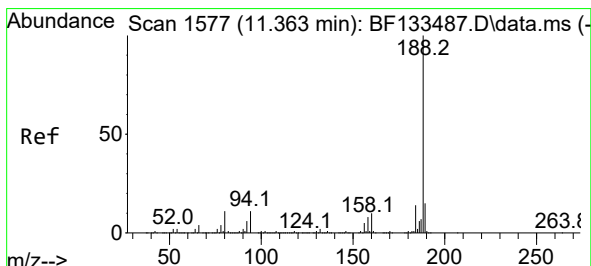
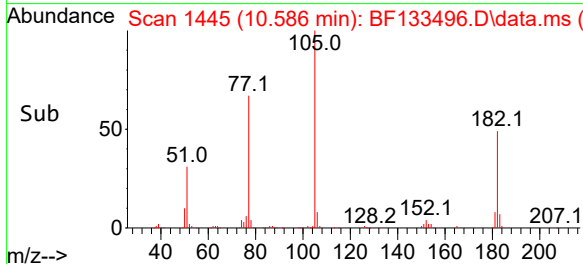
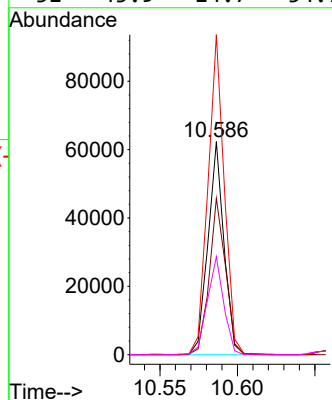
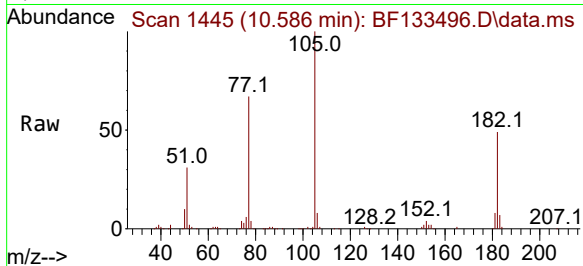




#63
 Azobenzene
 Concen: 4.404 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: BF133496.D
 Acq: 25 May 2023 19:34

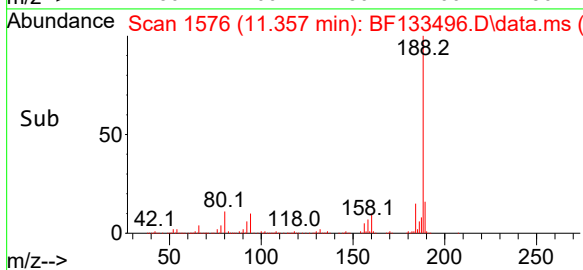
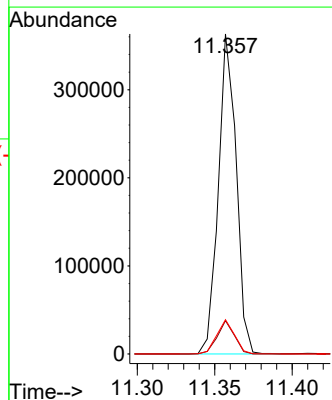
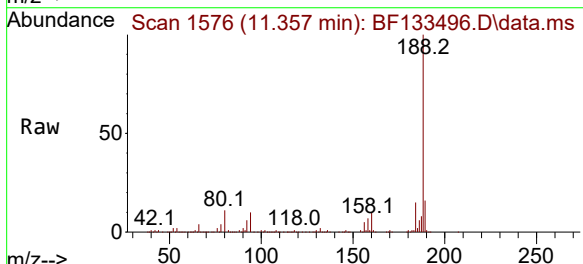
Instrument :
 BNA_F
 ClientSampleId :
 WC13

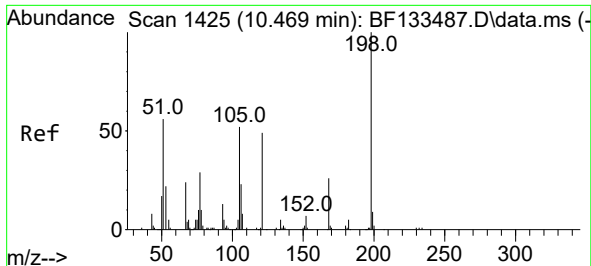
Tgt Ion: 77	Resp: 44860
Ion Ratio	Lower Upper
77 100	
182 73.4	5.6 45.6#
105 150.2	2.6 42.6#
51 45.9	14.7 54.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. -0.006 min
 Lab File: BF133496.D
 Acq: 25 May 2023 19:34

Tgt Ion: 188	Resp: 291204
Ion Ratio	Lower Upper
188 100	
94 10.4	8.6 12.8
80 10.7	9.2 13.8

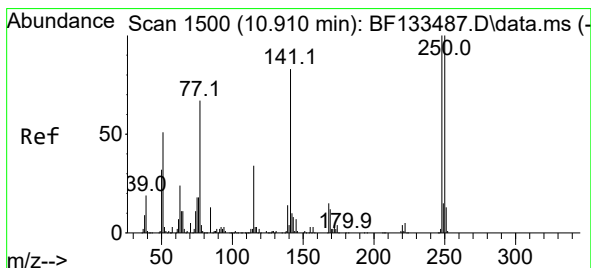
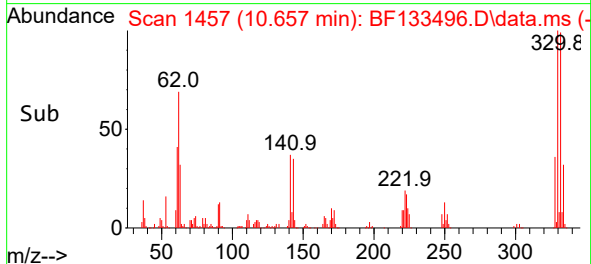
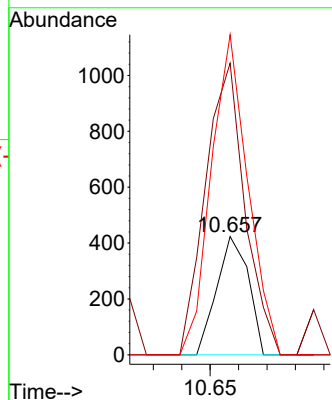
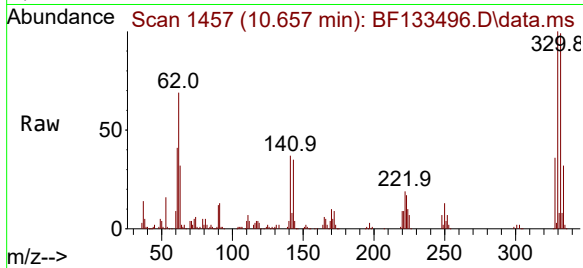




#65
4,6-Dinitro-2-methylphenol
Concen: 8.937 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

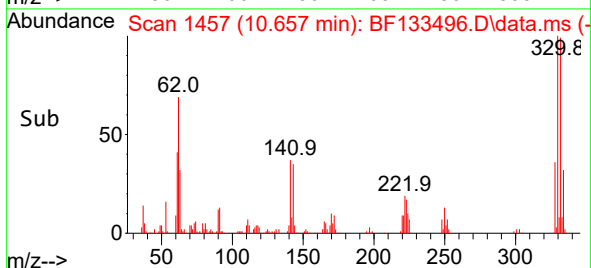
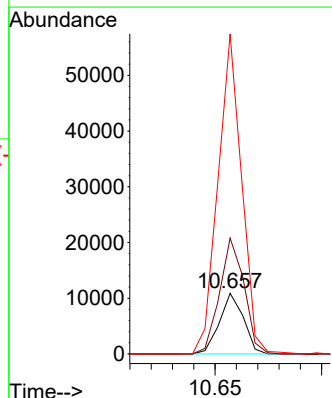
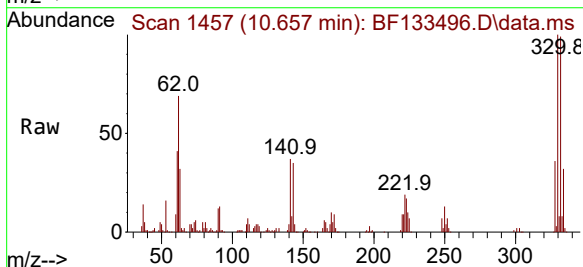
Instrument :
BNA_F
ClientSampleId :
WC13

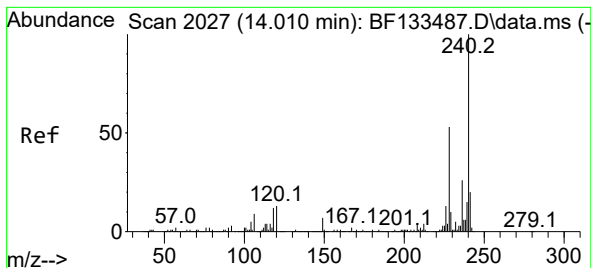
Tgt Ion:198 Resp: 328
Ion Ratio Lower Upper
198 100
51 246.8 53.6 93.6#
105 270.9 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.750 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.253 min
Lab File: BF133496.D
Acq: 25 May 2023 19:34

Tgt Ion:248 Resp: 8506
Ion Ratio Lower Upper
248 100
250 190.7 79.7 119.5#
141 527.2 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: BF133496.D

Acq: 25 May 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WC13

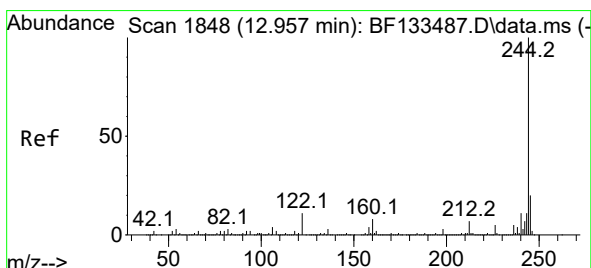
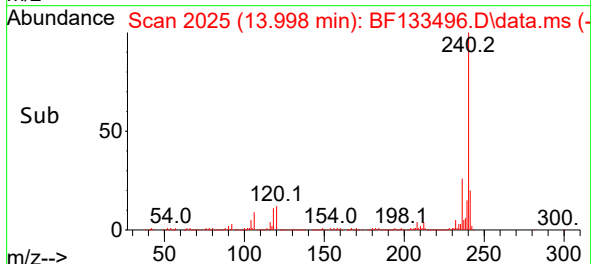
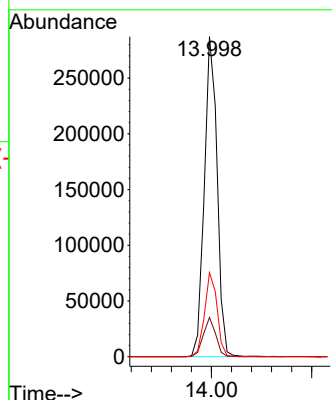
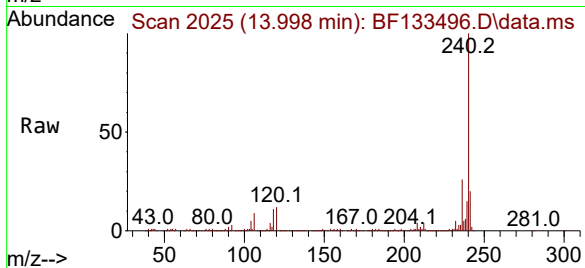
Tgt Ion:240 Resp: 256083

Ion Ratio Lower Upper

240 100

120 12.2 10.3 15.5

236 26.2 20.5 30.7



#79

Terphenyl-d14

Concen: 49.642 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

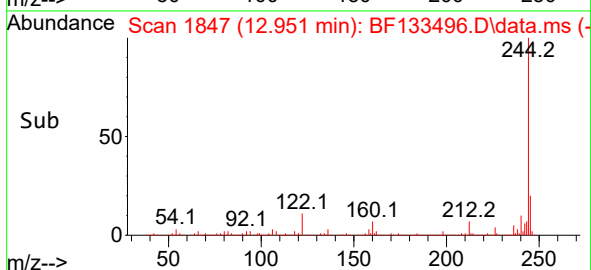
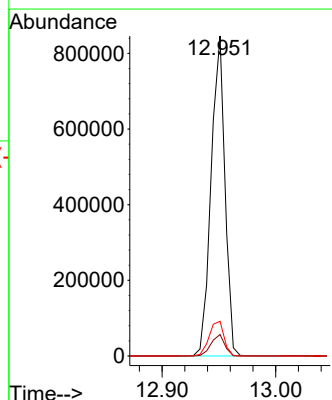
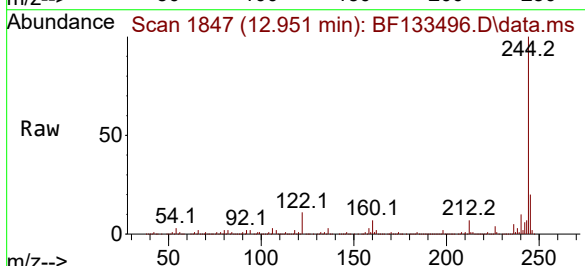
Tgt Ion:244 Resp: 714997

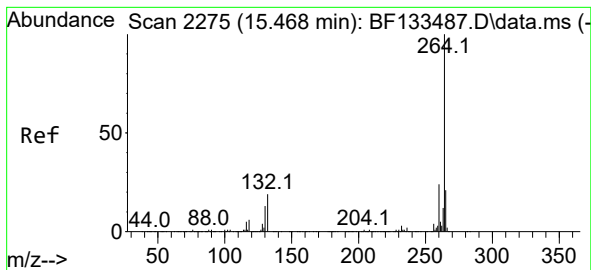
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.8 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133496.D

Acq: 25 May 2023 19:34

Instrument :

BNA_F

ClientSampleId :

WC13

Tgt Ion:264 Resp: 283721

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.2 16.8 25.2

