

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133565.D
 Acq On : 05 Jun 2023 14:55
 Operator : CG\JU
 Sample : PB153176BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153176BL

Quant Time: Jun 05 17:50:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

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

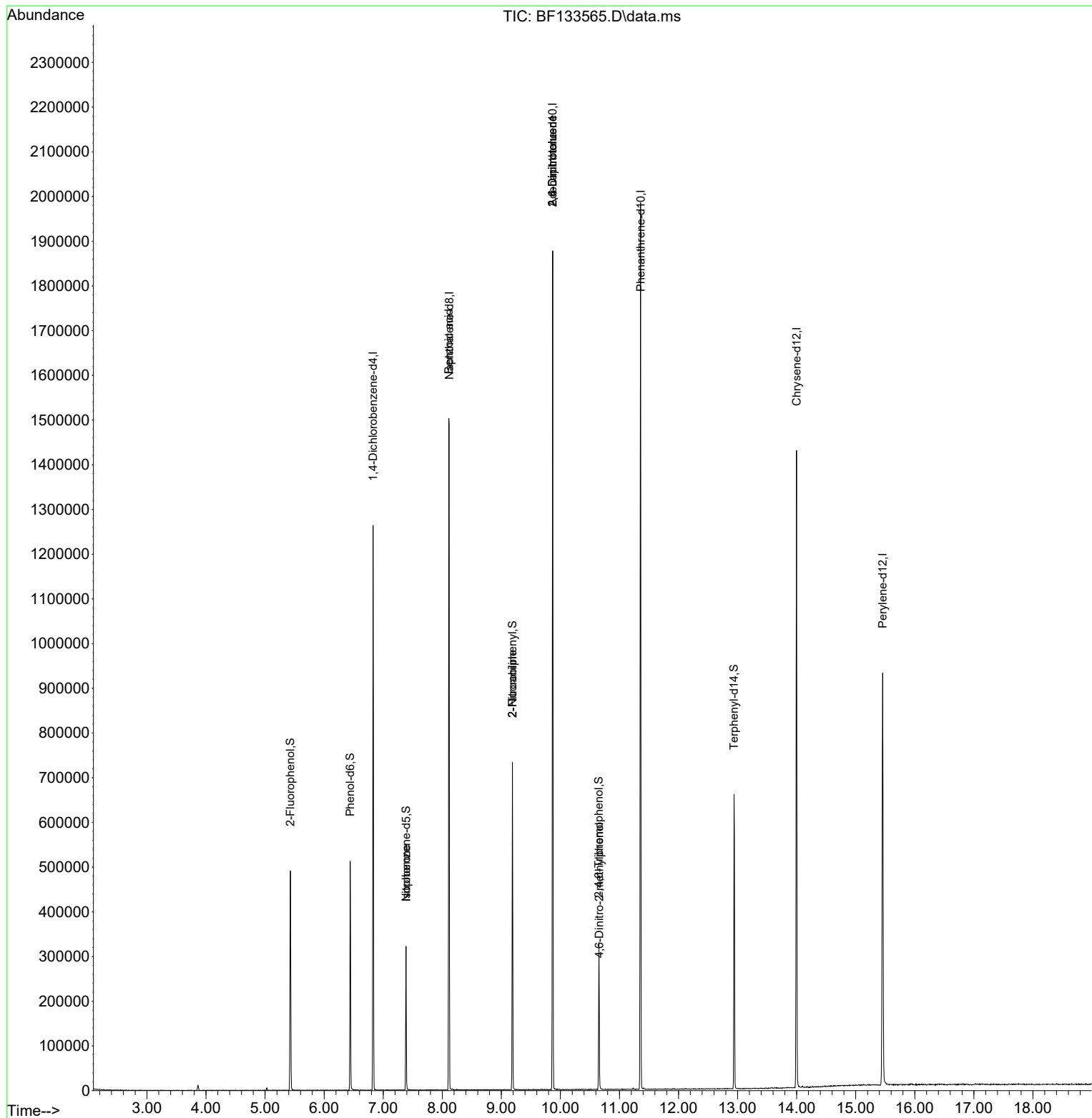
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	168027	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	646317	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	330256	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	660324	20.000	ng	0.00
76) Chrysene-d12	13.998	240	443220	20.000	ng	0.00
86) Perylene-d12	15.457	264	408788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	117176	11.635	ng	0.00
7) Phenol-d6	6.440	99	139025	11.214	ng	-0.02
23) Nitrobenzene-d5	7.387	82	76240	7.876	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	33980	10.322	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	189770	8.869	ng	0.00
79) Terphenyl-d14	12.939	244	220568	8.848	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.440	77	246	Below Cal	#	1
25) Isophorone	7.387	82	76186	3.377	ng	# 65
32) Benzoic acid	8.110	122	60	7.357	ng	# 1
48) 2-Nitroaniline	9.187	65	259	4.029	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	42677	12.611	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	42677	11.767	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	134	8.752	ng	# 69

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

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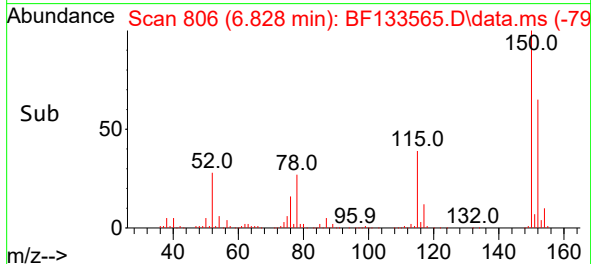
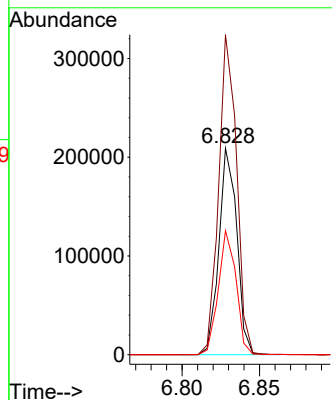
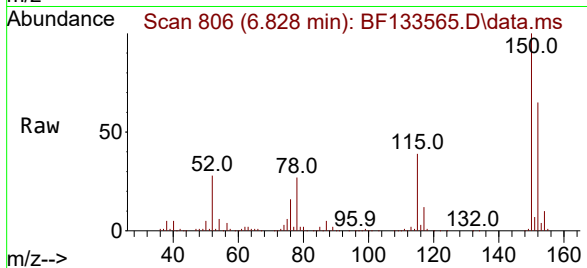




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

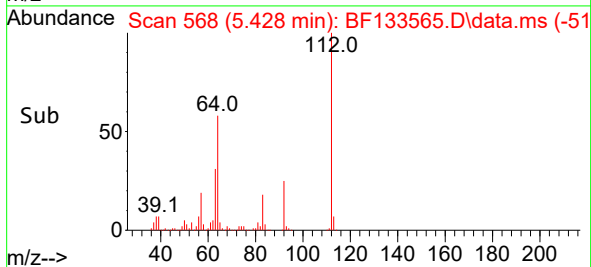
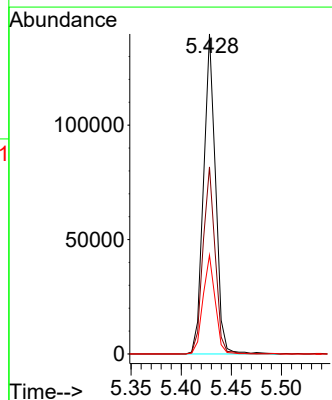
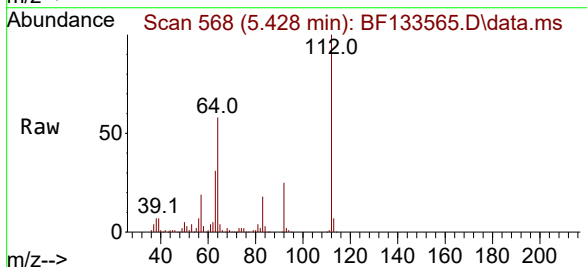
Instrument :
BNA_F
ClientSampleId :
PB153176BL

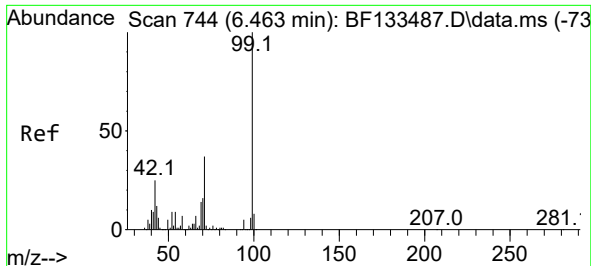
Tgt Ion:152 Resp: 168027
Ion Ratio Lower Upper
152 100
150 155.0 124.9 187.3
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 11.635 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion:112 Resp: 117176
Ion Ratio Lower Upper
112 100
64 58.5 50.1 75.1
63 30.8 27.5 41.3

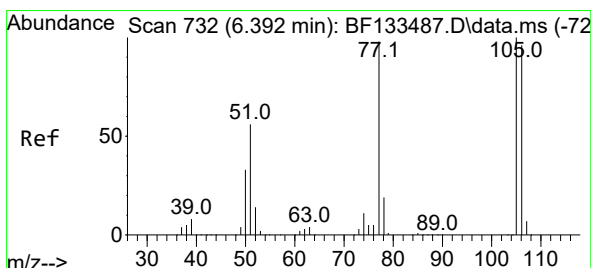
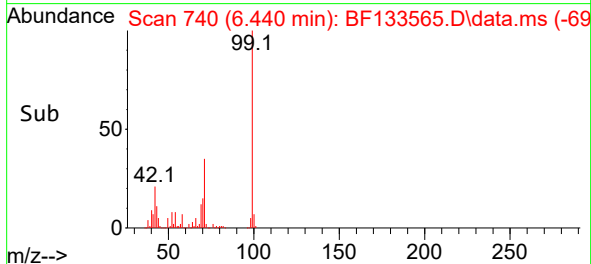
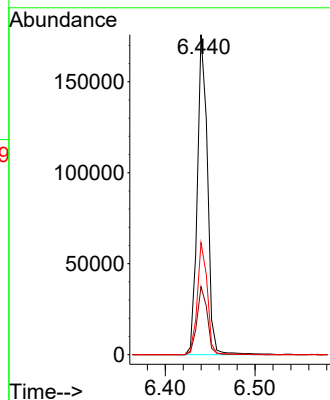
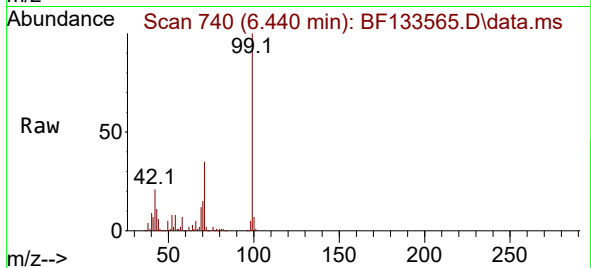




#7
Phenol-d6
Concen: 11.214 ng
RT: 6.440 min Scan# 744
Delta R.T. -0.017 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

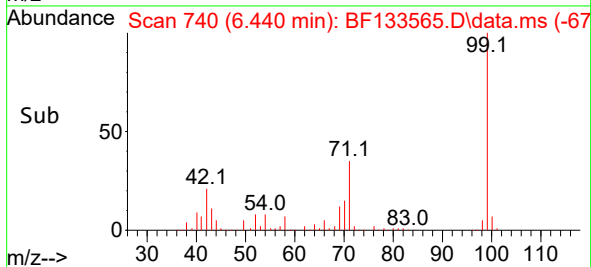
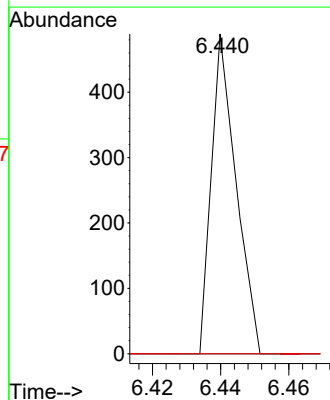
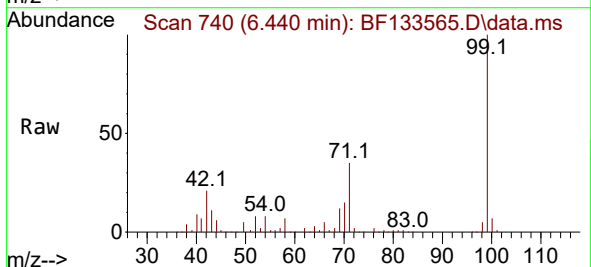
Instrument :
BNA_F
ClientSampleId :
PB153176BL

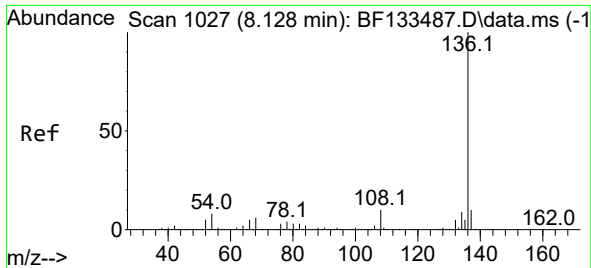
Tgt Ion: 99 Resp: 139025
Ion Ratio Lower Upper
99 100
42 21.3 19.7 29.5
71 35.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 740
Delta R.T. 0.059 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion: 77 Resp: 246
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

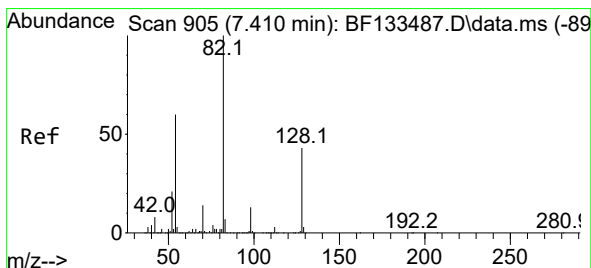
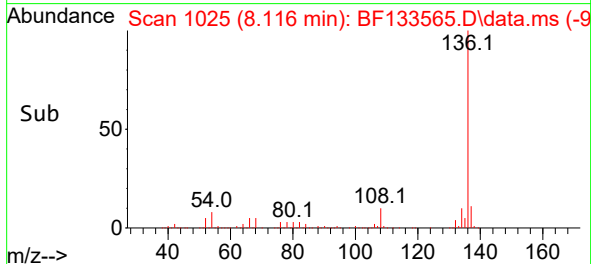
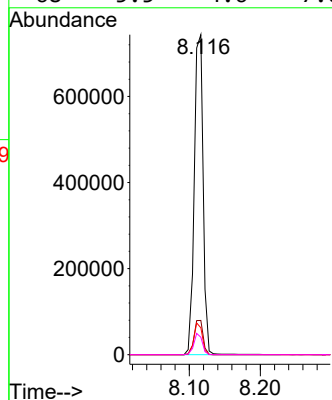
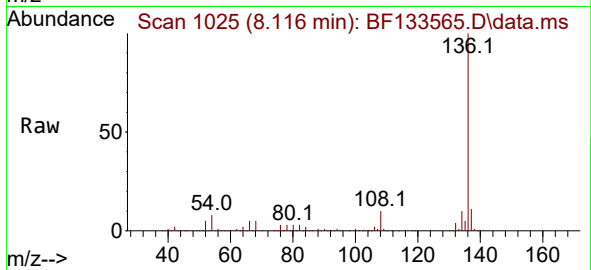




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

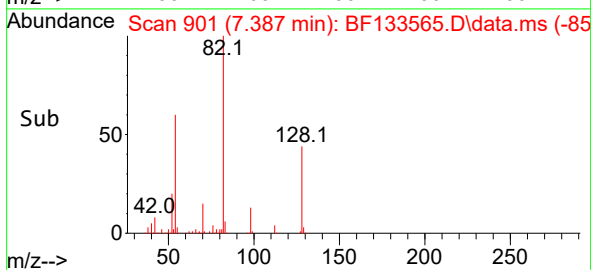
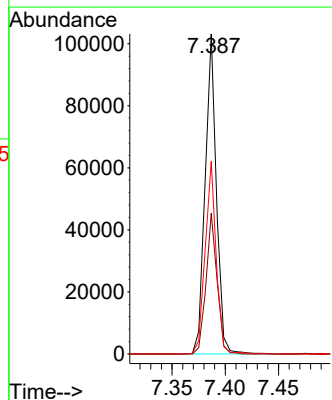
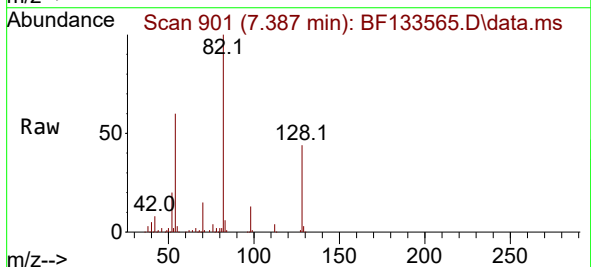
Instrument :
BNA_F
ClientSampleId :
PB153176BL

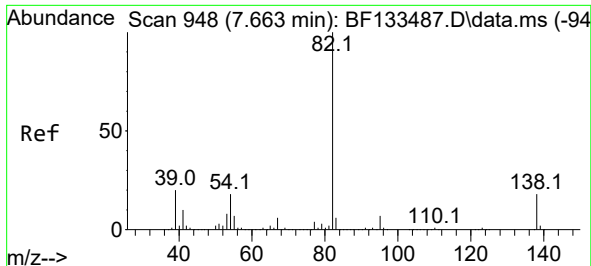
Tgt Ion:136 Resp: 646317
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 8.4 6.6 10.0
68 5.5 4.6 7.0



#23
Nitrobenzene-d5
Concen: 7.876 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.011 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion: 82 Resp: 76240
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 60.2 48.2 72.4

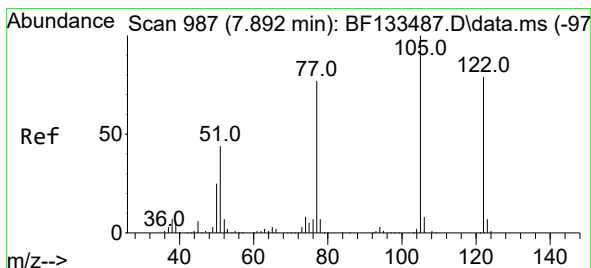
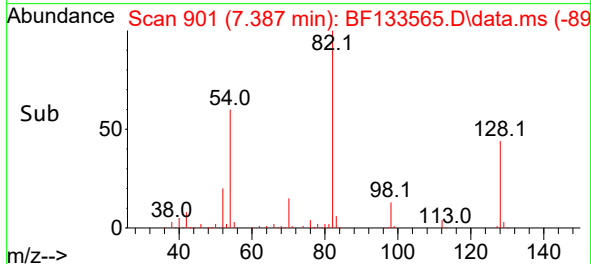
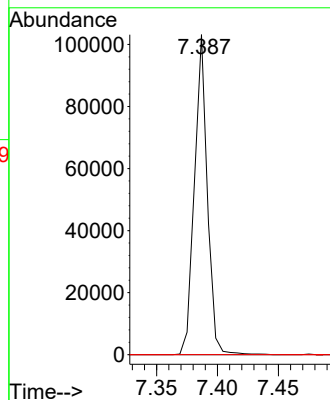
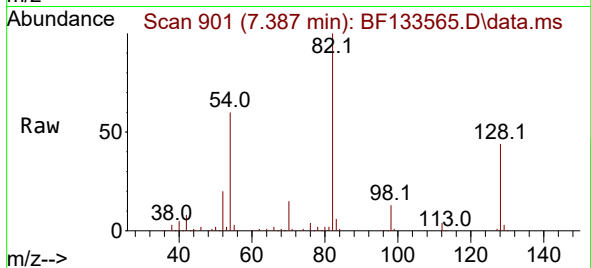




#25
Isophorone
Concen: 3.377 ng
RT: 7.387 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

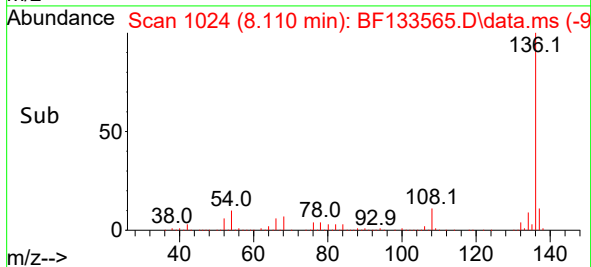
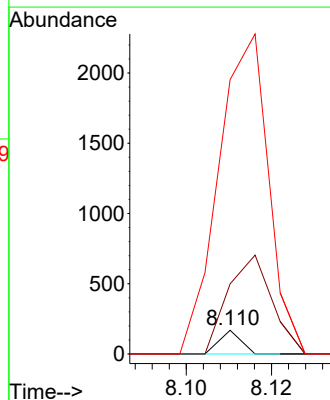
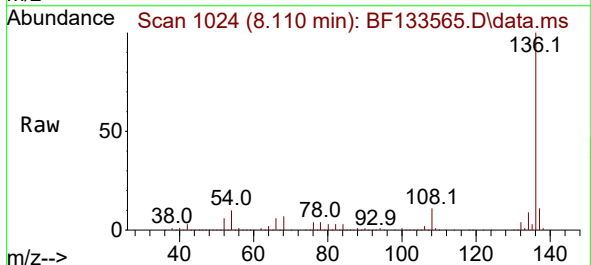
Instrument :
BNA_F
ClientSampleId :
PB153176BL

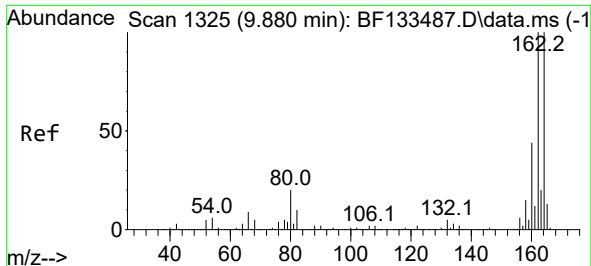
Tgt Ion: 82 Resp: 76186
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#



#32
Benzoic acid
Concen: 7.357 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.247 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion: 122 Resp: 60
Ion Ratio Lower Upper
122 100
105 295.3 103.3 143.3#
77 1155.6 75.7 115.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

PB153176BL

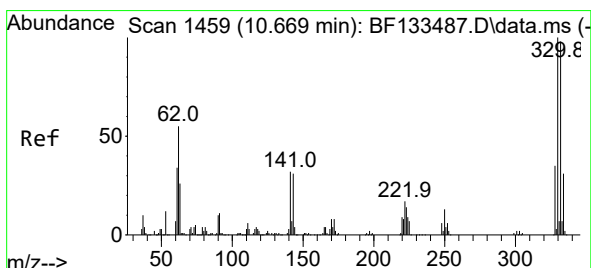
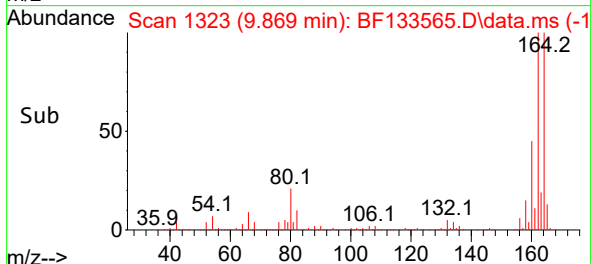
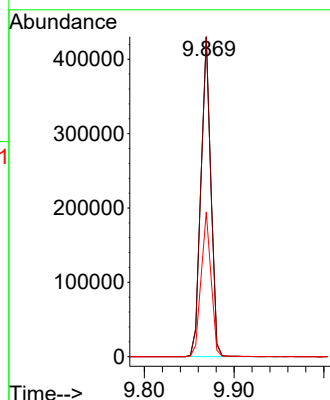
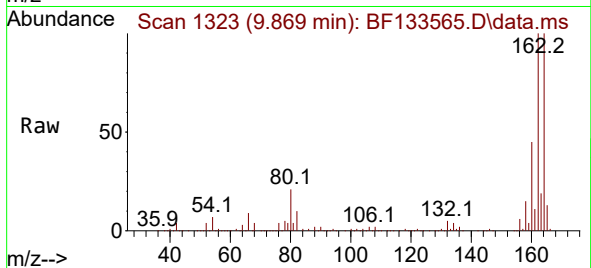
Tgt Ion:164 Resp: 330256

Ion Ratio Lower Upper

164 100

162 100.0 79.7 119.5

160 45.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 10.322 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.011 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

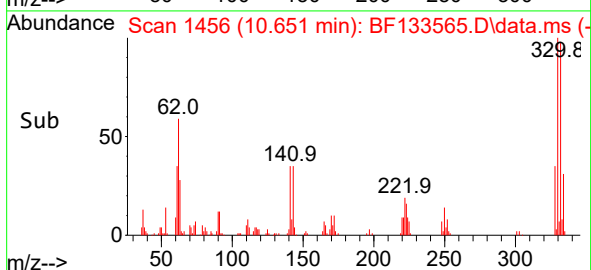
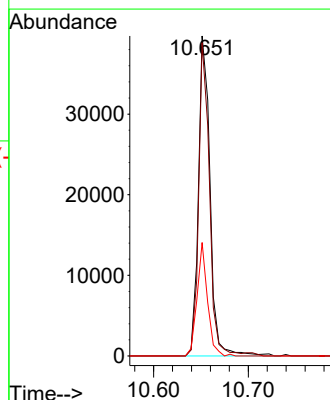
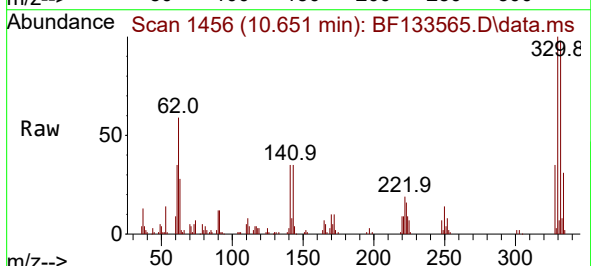
Tgt Ion:330 Resp: 33980

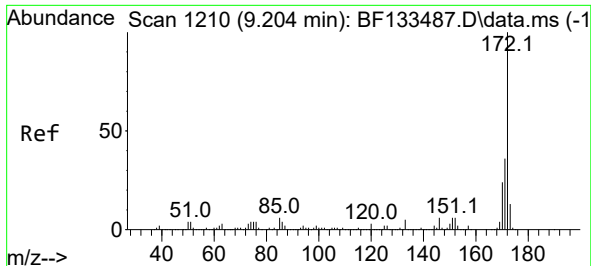
Ion Ratio Lower Upper

330 100

332 91.4 77.8 116.6

141 31.8 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 8.869 ng

RT: 9.187 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

PB153176BL

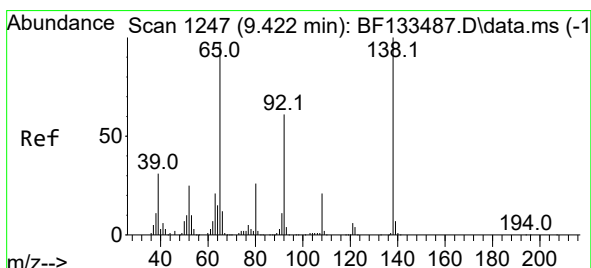
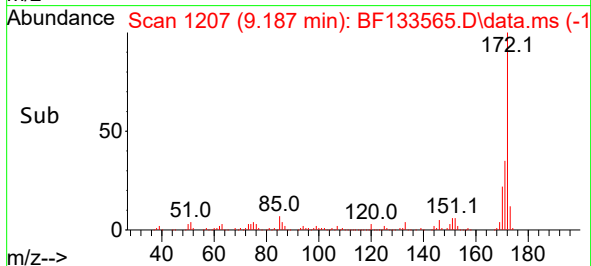
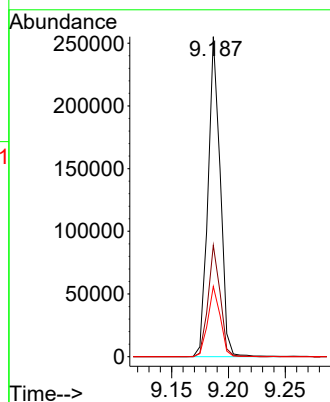
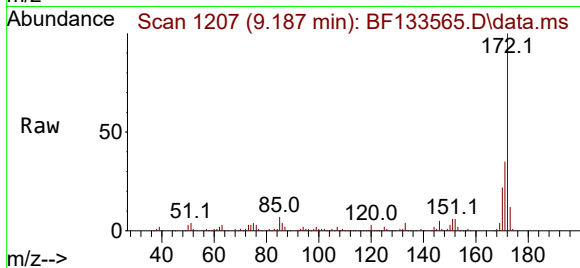
Tgt Ion:172 Resp: 189770

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.0 19.3 28.9



#48

2-Nitroaniline

Concen: 4.029 ng

RT: 9.187 min Scan# 1207

Delta R.T. -0.223 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

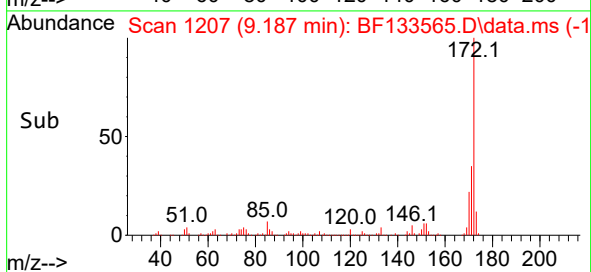
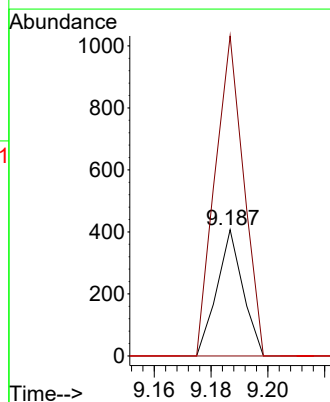
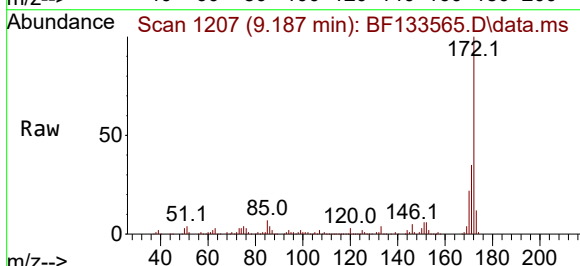
Tgt Ion: 65 Resp: 259

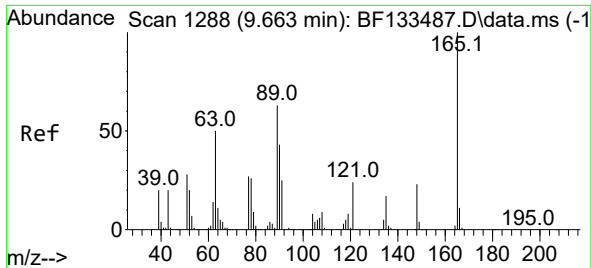
Ion Ratio Lower Upper

65 100

92 253.6 50.8 76.2#

138 0.0 82.6 124.0#

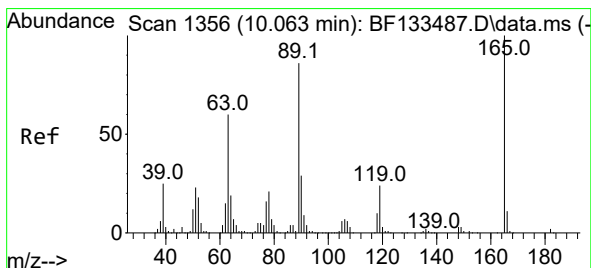
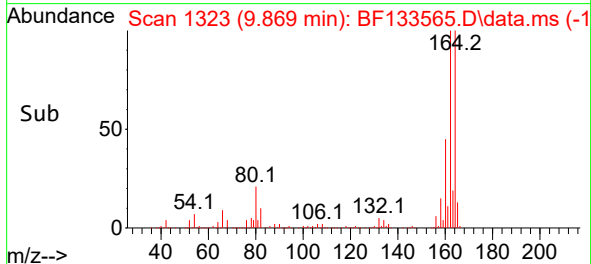
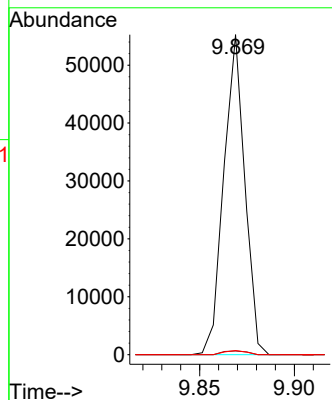
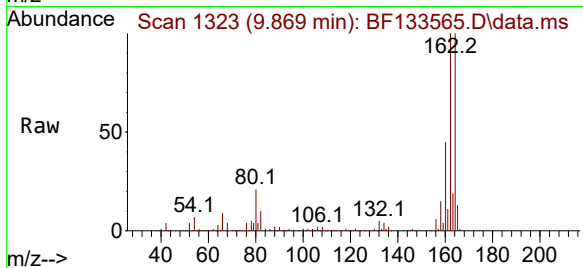




#51
2,6-Dinitrotoluene
Concen: 12.611 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

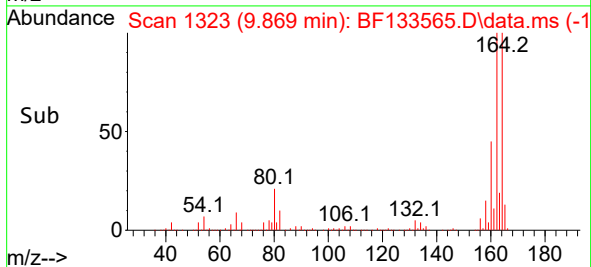
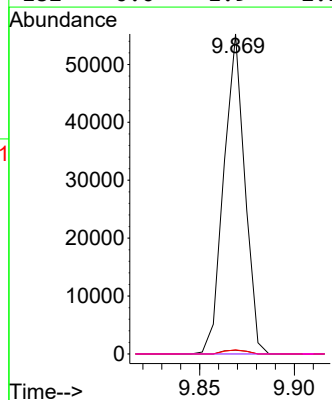
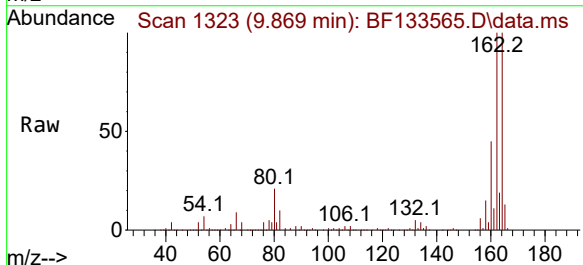
Instrument :
BNA_F
ClientSampleId :
PB153176BL

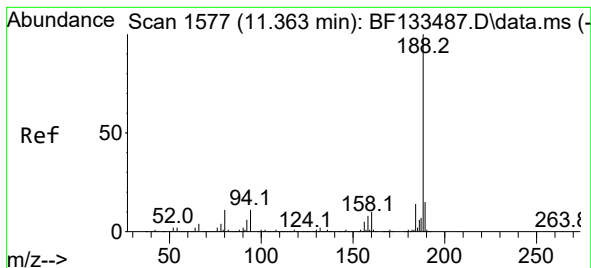
Tgt Ion:165 Resp: 42677
Ion Ratio Lower Upper
165 100
63 1.1 57.0 85.4#
89 1.3 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.767 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.188 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion:165 Resp: 42677
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

Instrument :

BNA_F

ClientSampleId :

PB153176BL

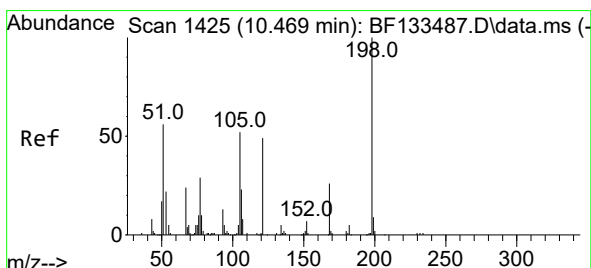
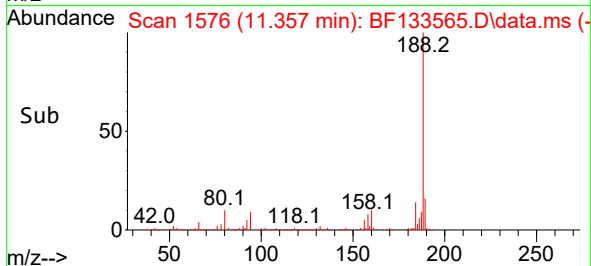
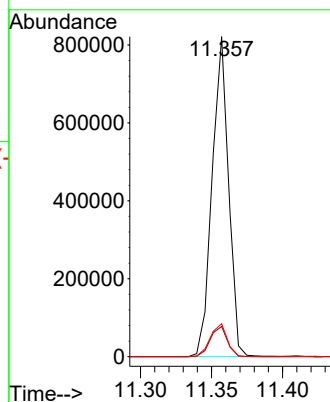
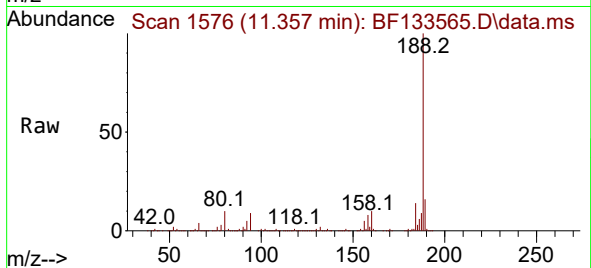
Tgt Ion:188 Resp: 660324

Ion Ratio Lower Upper

188 100

94 9.4 8.6 12.8

80 10.3 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.752 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.194 min

Lab File: BF133565.D

Acq: 05 Jun 2023 14:55

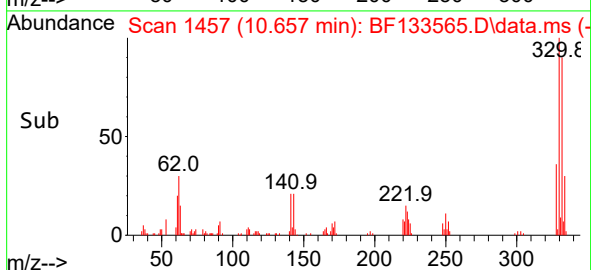
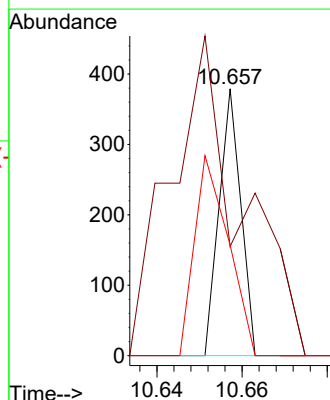
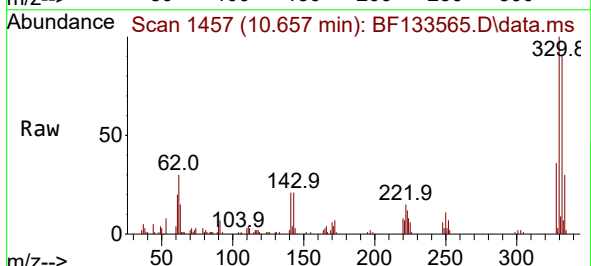
Tgt Ion:198 Resp: 134

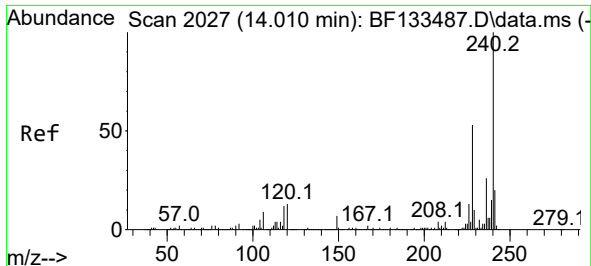
Ion Ratio Lower Upper

198 100

51 40.9 53.6 93.6#

105 41.4 35.9 75.9

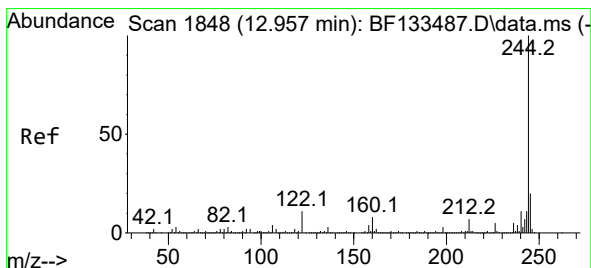
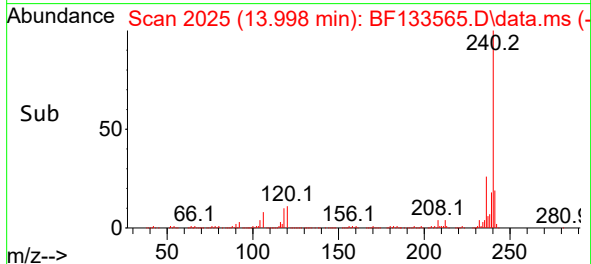
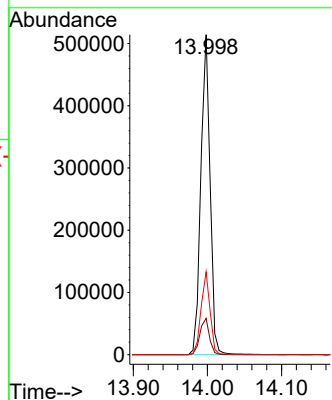
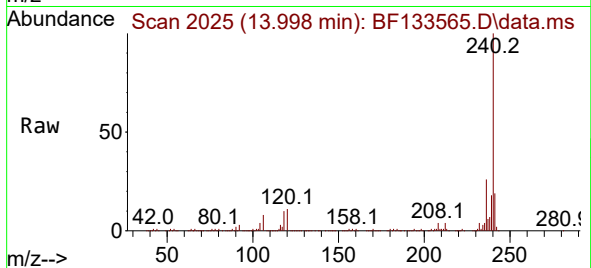




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

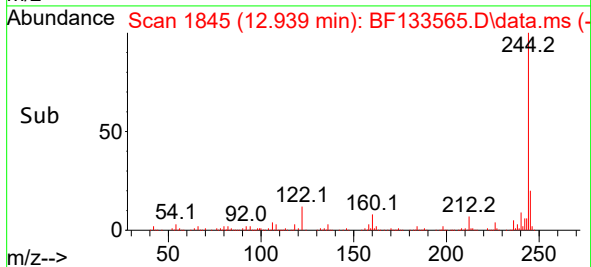
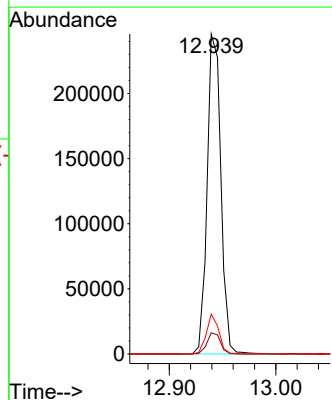
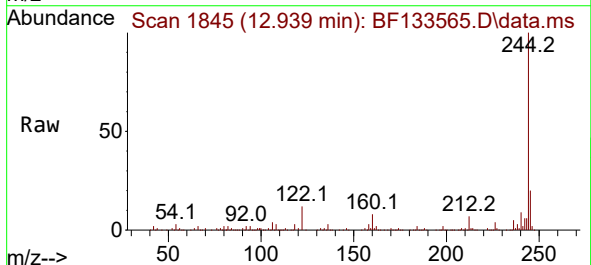
Instrument :
BNA_F
ClientSampleId :
PB153176BL

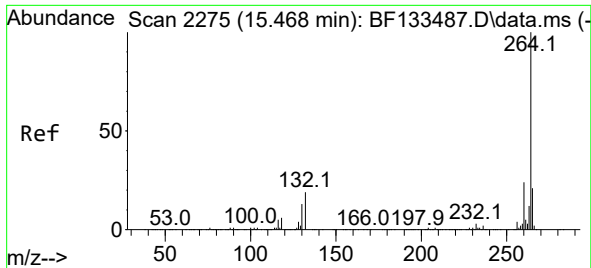
Tgt Ion:240 Resp: 443220
Ion Ratio Lower Upper
240 100
120 11.4 10.3 15.5
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 8.848 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF133565.D
Acq: 05 Jun 2023 14:55

Tgt Ion:244 Resp: 220568
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 12.5 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133565.D
 Acq: 05 Jun 2023 14:55

Instrument :
 BNA_F
 ClientSampleId :
 PB153176BL

Tgt Ion:264 Resp: 408788
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.0 28.4
 265 22.3 16.8 25.2

