

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133324.D
 Acq On : 09 May 2023 18:46
 Operator : CG\JU
 Sample : 02505-04 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WO-4

Quant Time: May 10 01:49:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

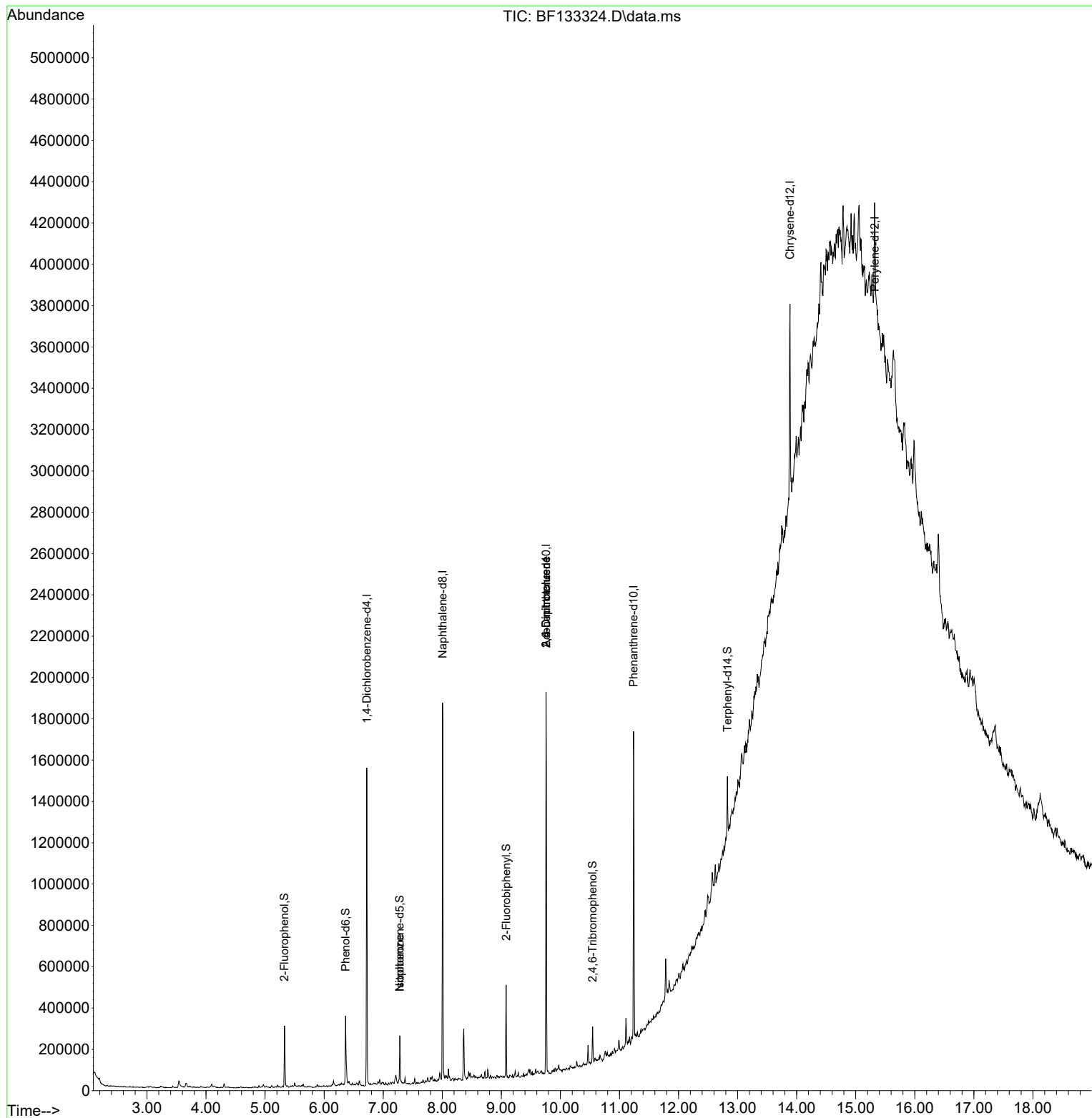
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	206523	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	780947	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	355273	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	545274	20.000	ng	0.00
76) Chrysene-d12	13.886	240	372530	20.000	ng	0.00
86) Perylene-d12	15.321	264	271647	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	85127	6.227	ng	0.00
7) Phenol-d6	6.363	99	100128	5.901	ng	0.00
23) Nitrobenzene-d5	7.281	82	60039	4.150	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	16871	4.722	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	110079	5.184	ng	0.00
79) Terphenyl-d14	12.827	244	86848	4.021	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	2884	Below Cal		Qvalue 95
25) Isophorone	7.281	82	59516	2.167 ng	#	63
51) 2,6-Dinitrotoluene	9.757	165	47648	8.546 ng	#	25
57) 2,4-Dinitrotoluene	9.757	165	47648	6.701 ng	#	24

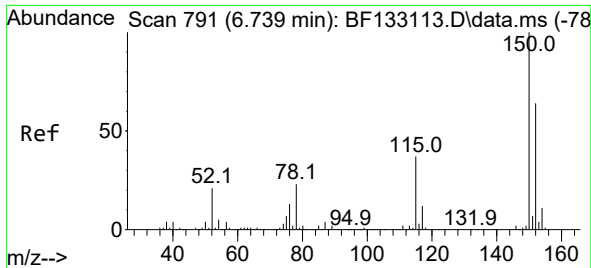
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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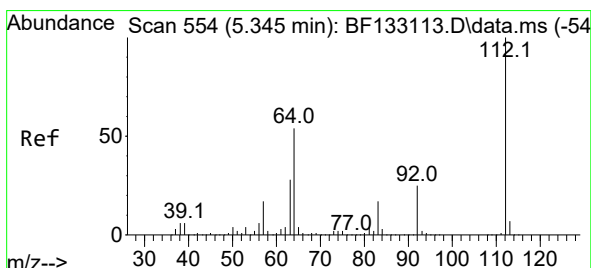
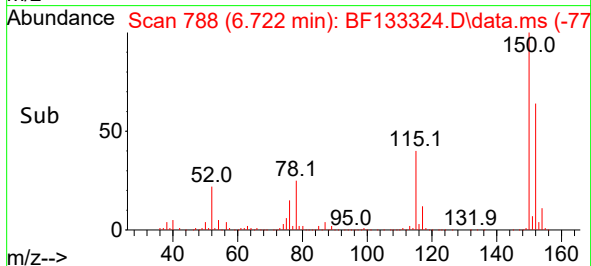
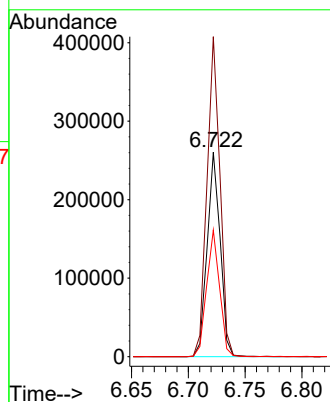
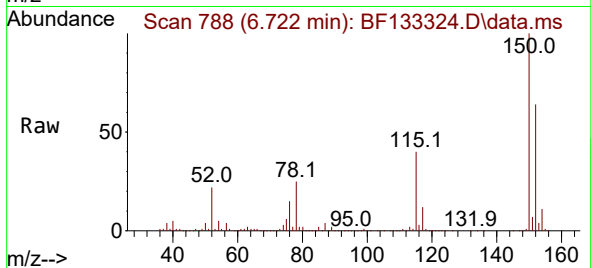




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

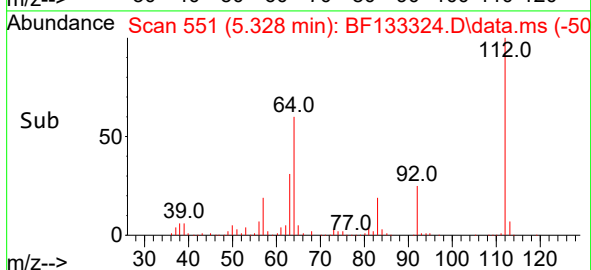
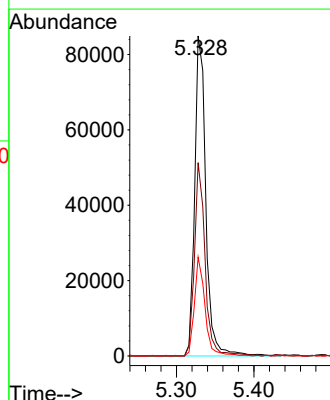
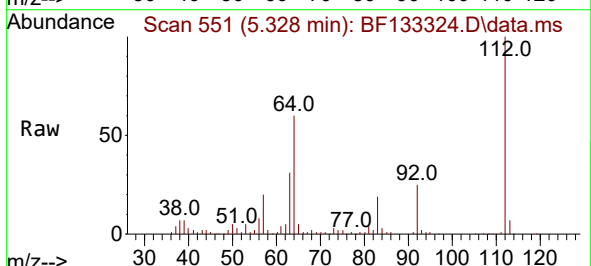
Instrument :
BNA_F
ClientSampleId :
WO-4

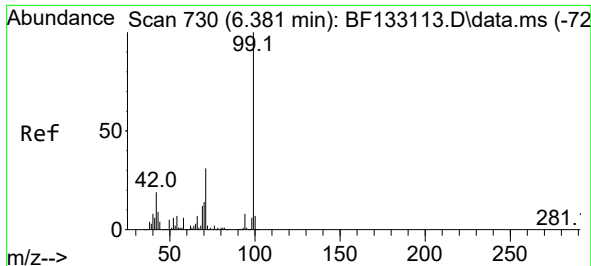
Tgt Ion:152 Resp: 206523
Ion Ratio Lower Upper
152 100
150 156.5 124.8 187.2
115 61.9 49.9 74.9



#5
2-Fluorophenol
Concen: 6.227 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

Tgt Ion:112 Resp: 85127
Ion Ratio Lower Upper
112 100
64 60.4 46.8 70.2
63 30.9 23.8 35.8

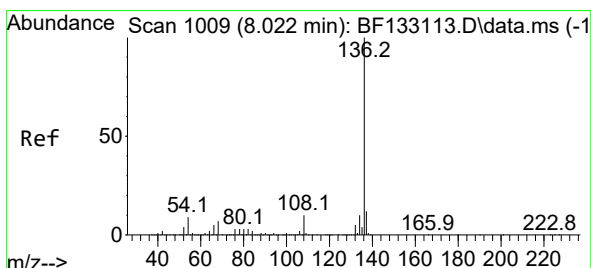
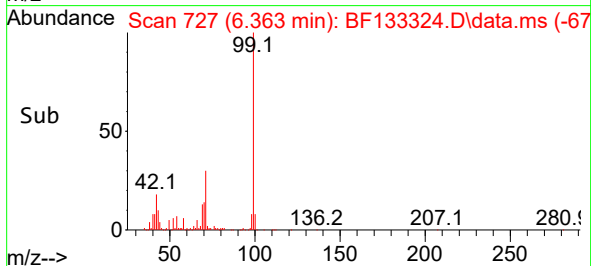
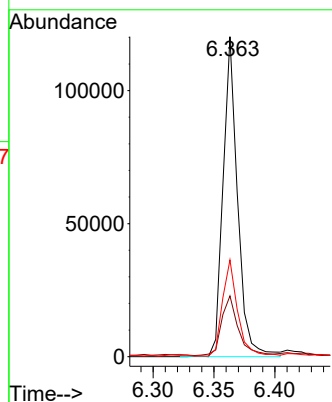
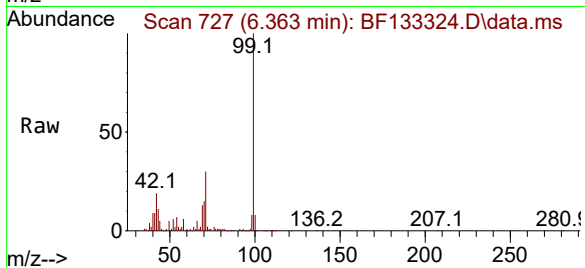




#7
Phenol-d6
Concen: 5.901 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

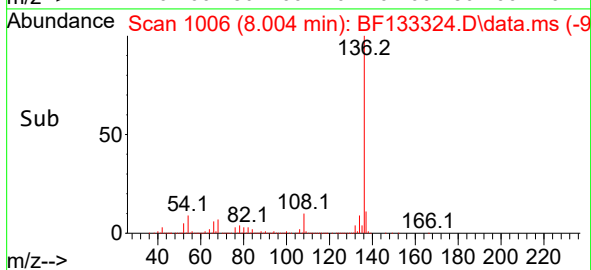
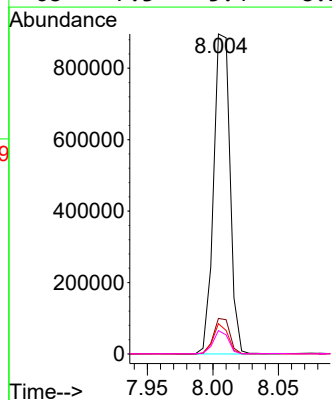
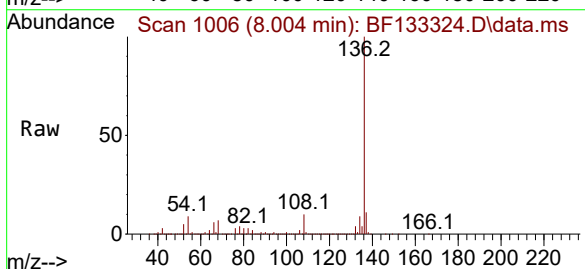
Instrument :
BNA_F
ClientSampleId :
WO-4

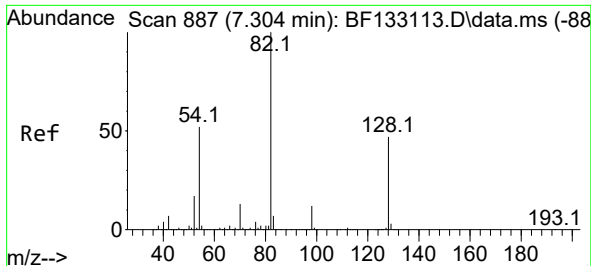
Tgt Ion: 99 Resp: 100128
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 30.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

Tgt Ion: 136 Resp: 780947
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.5 7.0 10.4
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 4.150 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

Instrument :

BNA_F

ClientSampleId :

WO-4

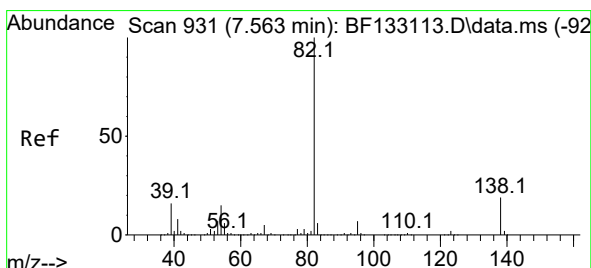
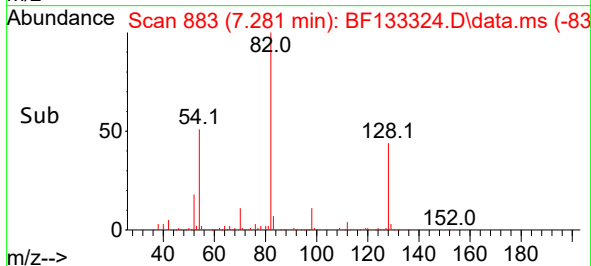
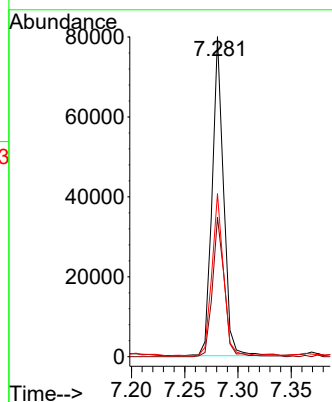
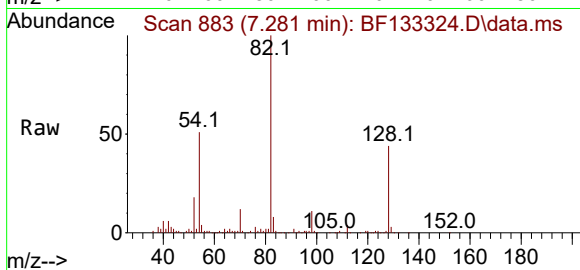
Tgt Ion: 82 Resp: 60039

Ion Ratio Lower Upper

82 100

128 43.5 37.7 56.5

54 51.0 43.0 64.4



#25

Isophorone

Concen: 2.167 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.270 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

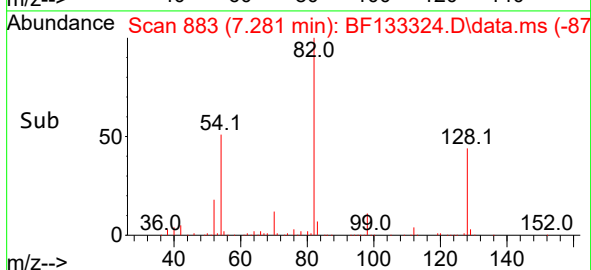
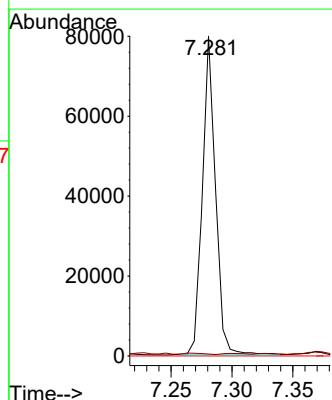
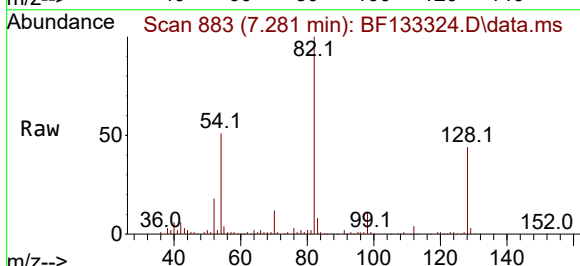
Tgt Ion: 82 Resp: 59516

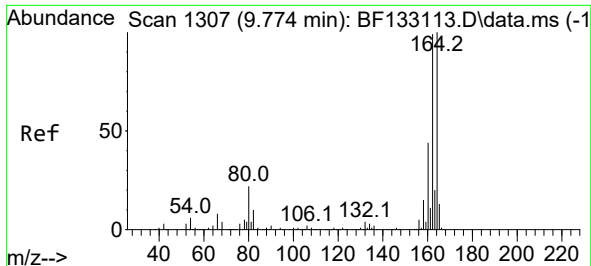
Ion Ratio Lower Upper

82 100

95 0.6 5.4 8.0#

138 0.0 16.0 24.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

Instrument :

BNA_F

ClientSampleId :

WO-4

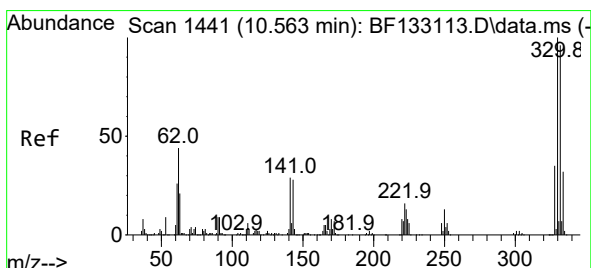
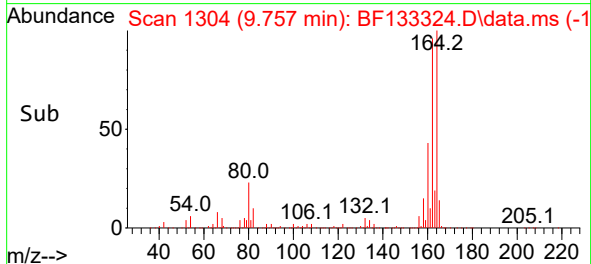
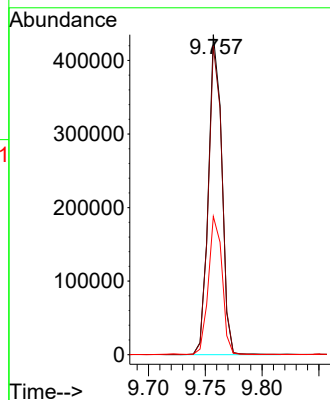
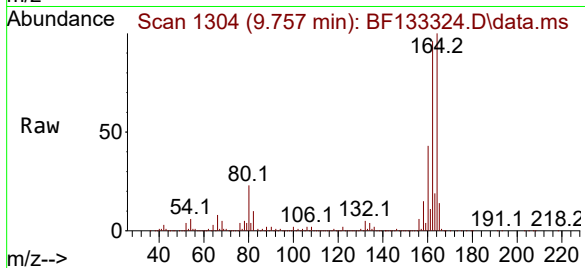
Tgt Ion:164 Resp: 355273

Ion Ratio Lower Upper

164 100

162 96.5 78.7 118.1

160 43.2 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 4.722 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

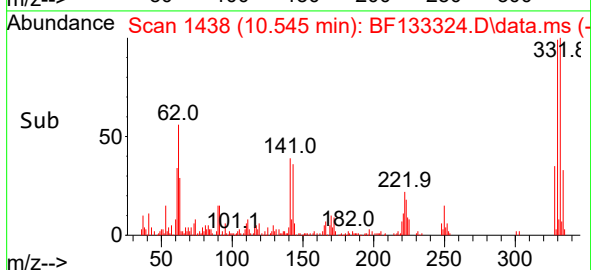
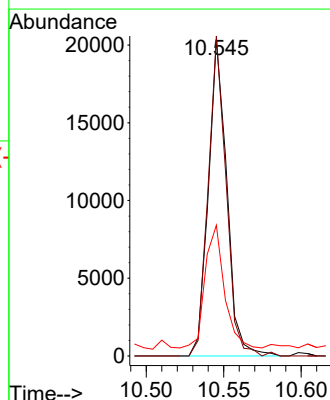
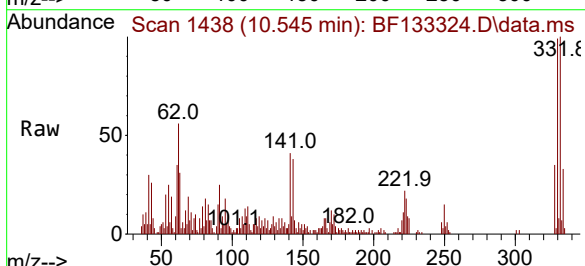
Tgt Ion:330 Resp: 16871

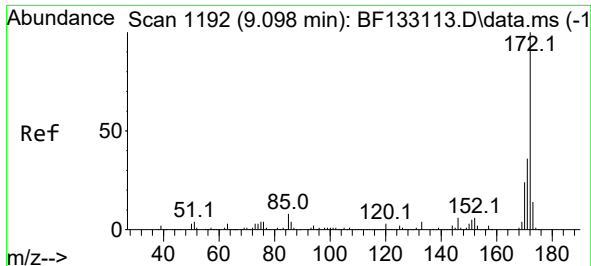
Ion Ratio Lower Upper

330 100

332 97.8 77.1 115.7

141 40.9 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 5.184 ng

RT: 9.081 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

Instrument :

BNA_F

ClientSampleId :

WO-4

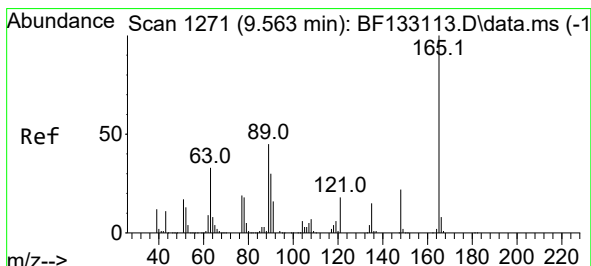
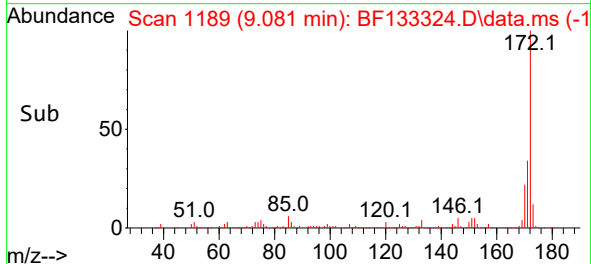
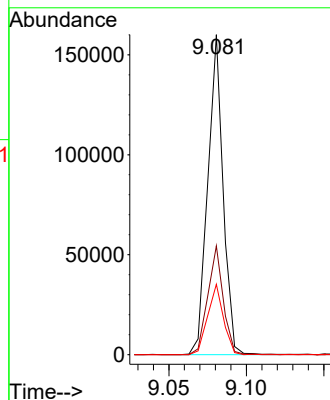
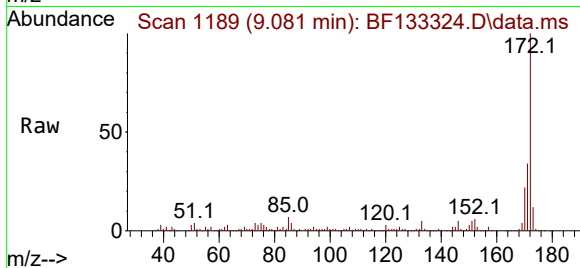
Tgt Ion:172 Resp: 110079

Ion Ratio Lower Upper

172 100

171 34.0 28.8 43.2

170 22.0 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.546 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.206 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

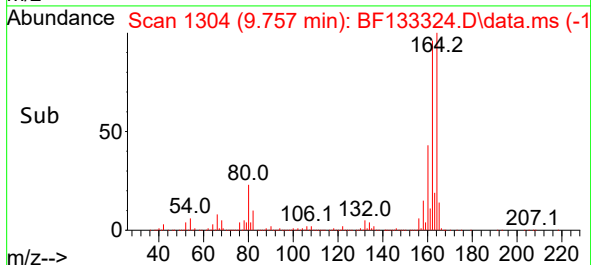
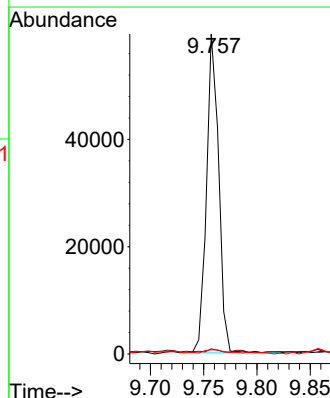
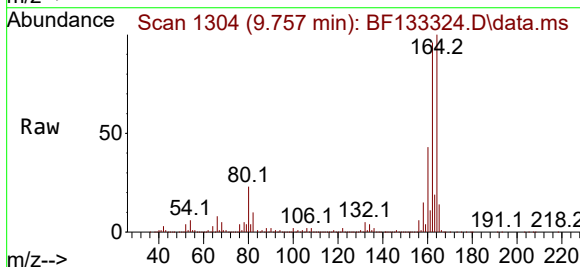
Tgt Ion:165 Resp: 47648

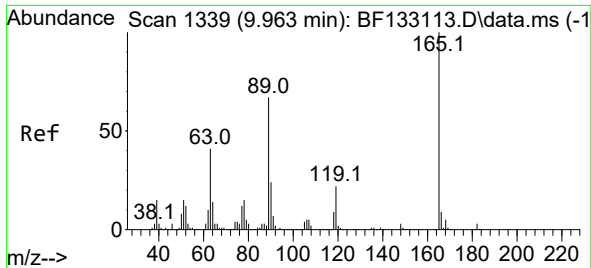
Ion Ratio Lower Upper

165 100

63 1.6 45.9 68.9#

89 1.3 44.0 66.0#

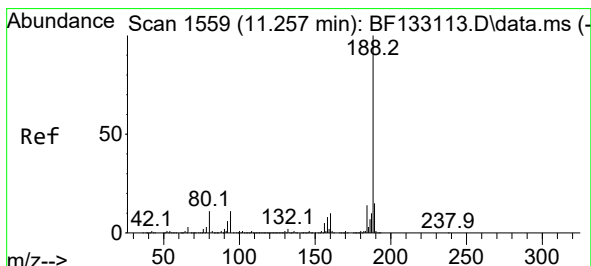
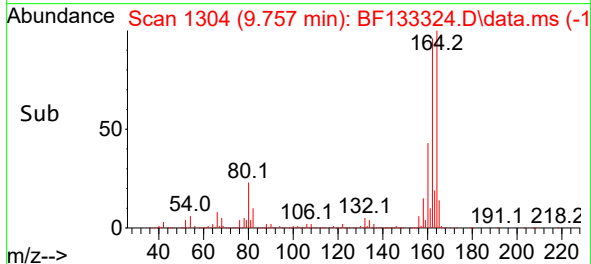
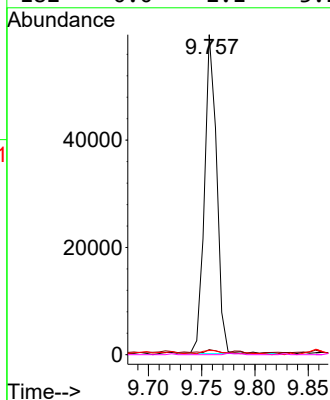
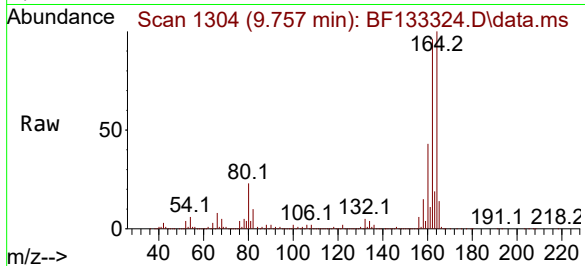




#57
2,4-Dinitrotoluene
Concen: 6.701 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

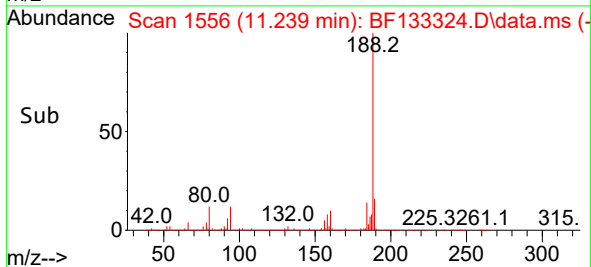
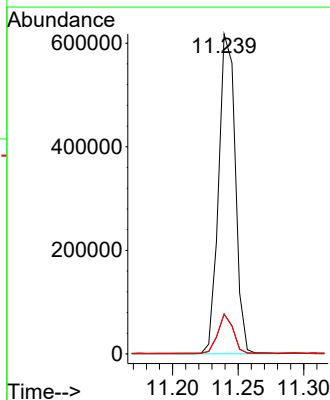
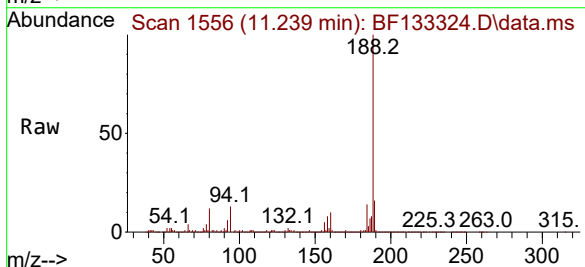
Instrument :
BNA_F
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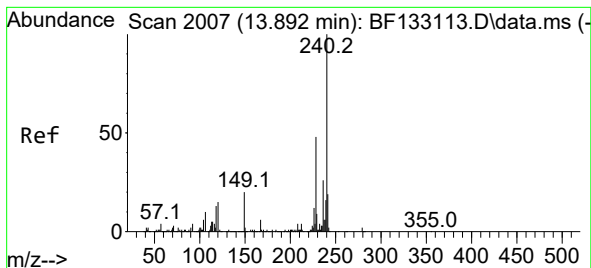
Tgt Ion:165 Resp: 47648
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133324.D
Acq: 09 May 2023 18:46

Tgt Ion:188 Resp: 545274
Ion Ratio Lower Upper
188 100
94 12.5 9.7 14.5
80 12.4 10.4 15.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

Instrument :

BNA_F

ClientSampleId :

WO-4

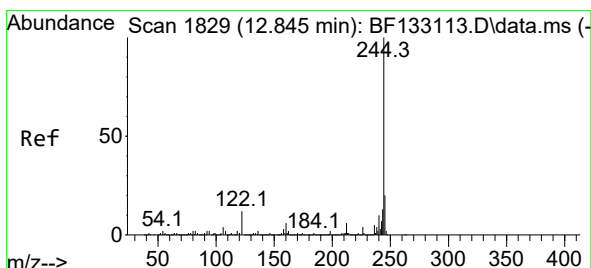
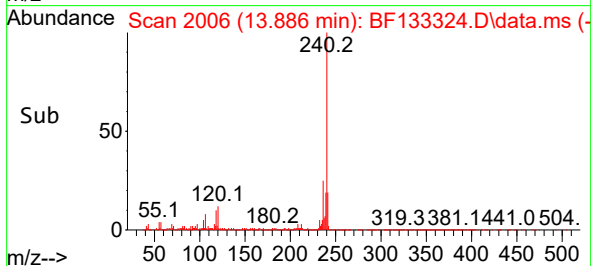
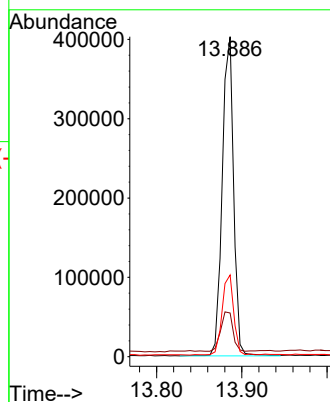
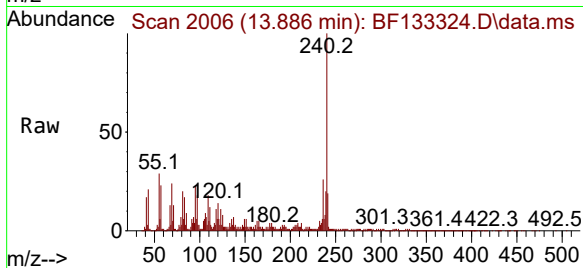
Tgt Ion:240 Resp: 372530

Ion Ratio Lower Upper

240 100

120 13.6 10.5 15.7

236 25.6 21.5 32.3



#79

Terphenyl-d14

Concen: 4.021 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133324.D

Acq: 09 May 2023 18:46

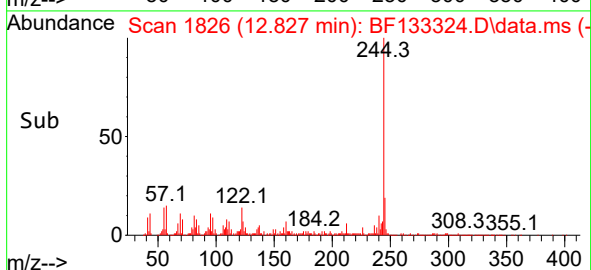
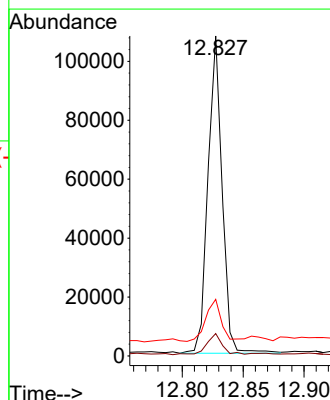
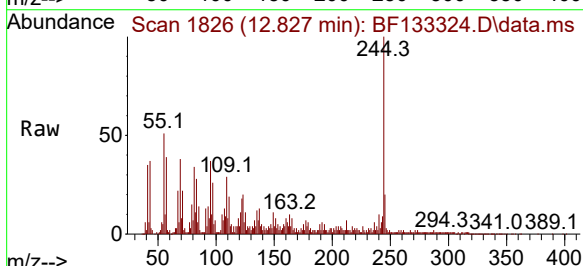
Tgt Ion:244 Resp: 86848

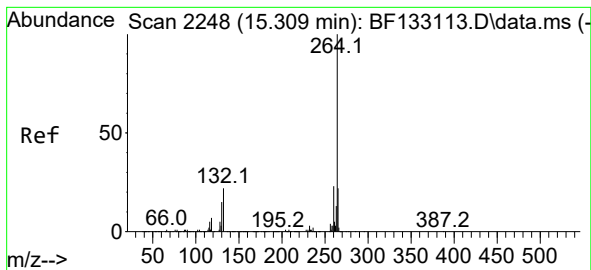
Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 17.7 8.6 13.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.321 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF133324.D
 Acq: 09 May 2023 18:46

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:264 Resp: 271647
 Ion Ratio Lower Upper
 264 100
 260 25.5 18.8 28.2
 265 21.8 17.0 25.4

