

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133421.D
 Acq On : 17 May 2023 19:20
 Operator : CG\JU
 Sample : 02812-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B5-10-20

Quant Time: May 18 04:05:10 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 16 14:39:29 2023
 Response via : Initial Calibration

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

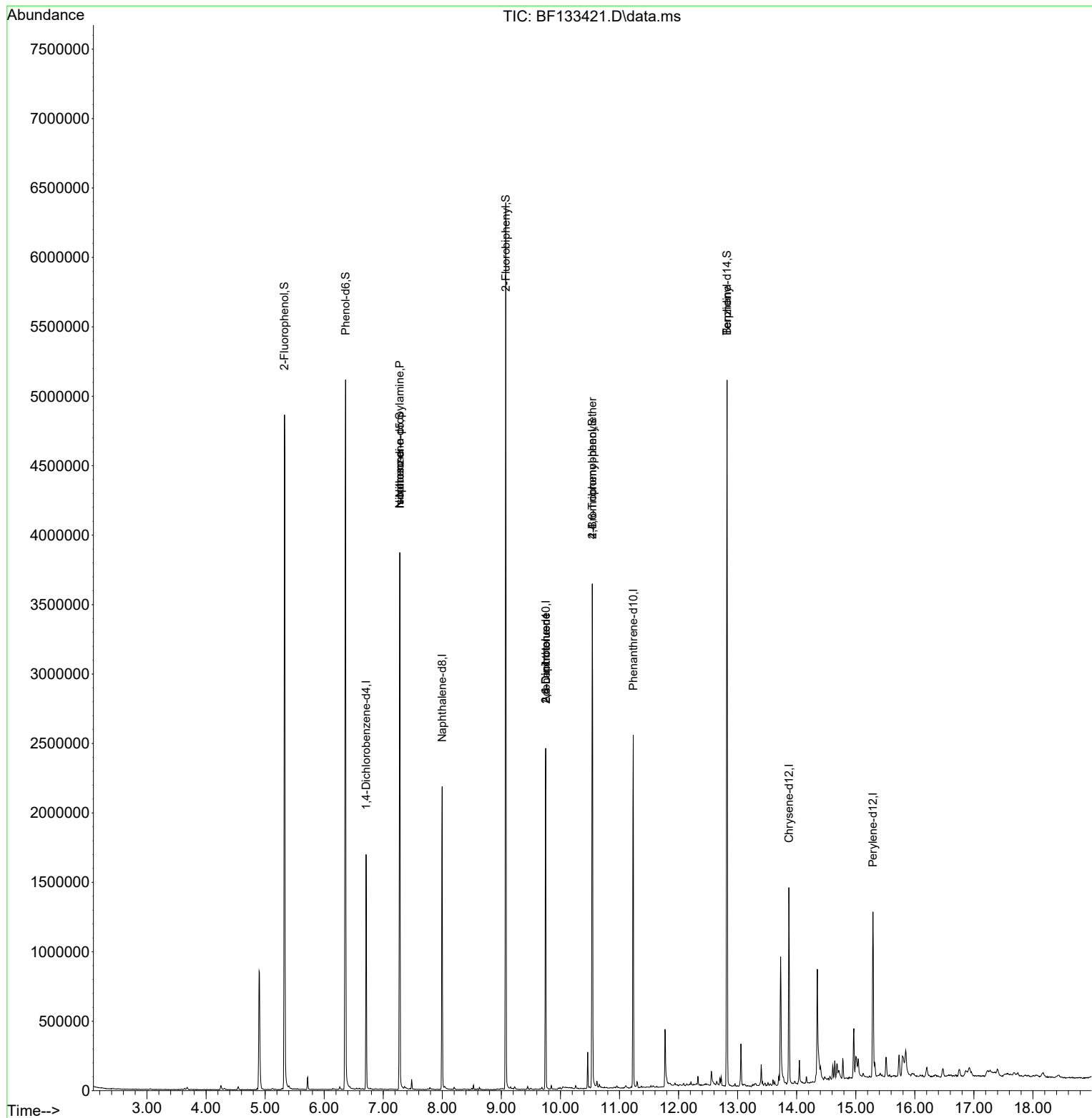
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	227298	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	930285	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	491075	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	869137	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	443430	20.000	ng	-0.02
86) Perylene-d12	15.292	264	510529	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1567350	104.165	ng	0.00
7) Phenol-d6	6.363	99	1874468	100.367	ng	0.00
23) Nitrobenzene-d5	7.281	82	1139507	66.116	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	485119	98.228	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1839812	62.679	ng	-0.01
79) Terphenyl-d14	12.821	244	1838460	71.505	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.263	77	4460	Below Cal		Qvalue 89
19) n-Nitroso-di-n-propyla...	7.281	70	150197	12.918	ng	# 72
25) Isophorone	7.281	82	1139495	34.822	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	62839	8.154	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	62839	6.394	ng	# 23
67) 4-Bromophenyl-phenylether	10.539	248	31212	3.311	ng	# 1
77) Benizidine	12.821	184	21634	2.885	ng	# 94

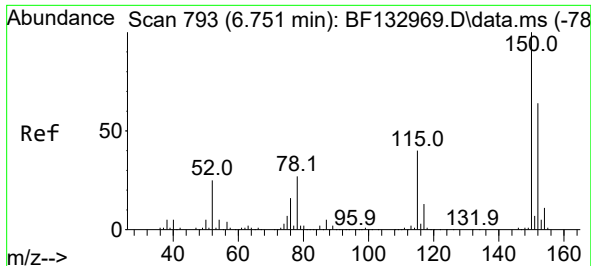
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133421.D
Acq On : 17 May 2023 19:20
Operator : CG\JU
Sample : 02812-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

Quant Time: May 18 04:05:10 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 16 14:39:29 2023
Response via : Initial Calibration

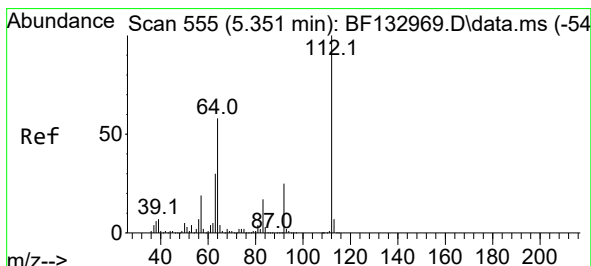
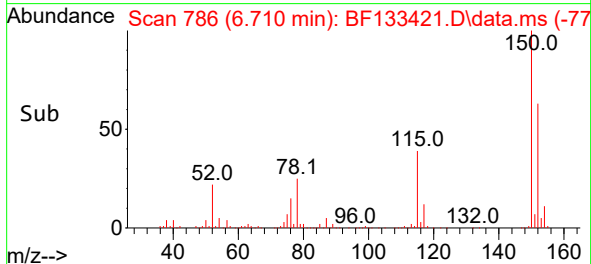
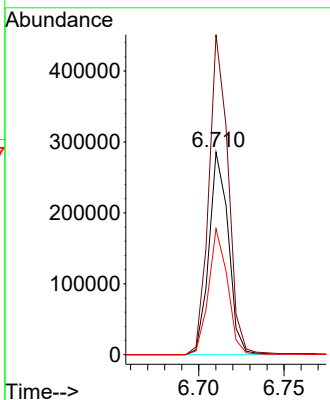
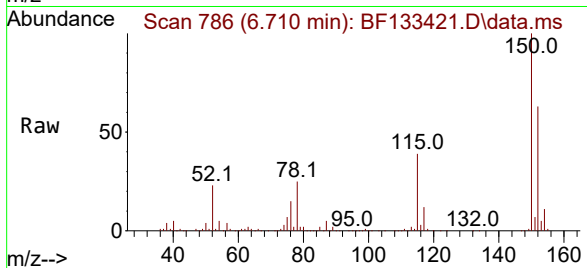




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

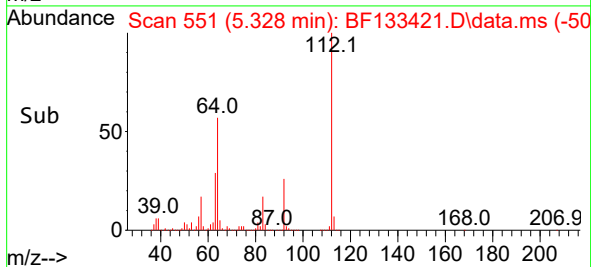
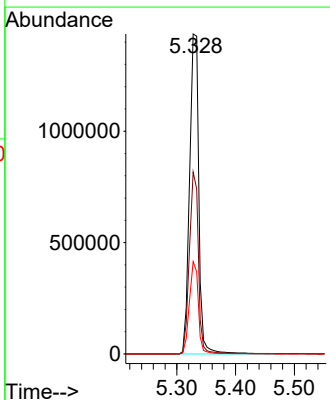
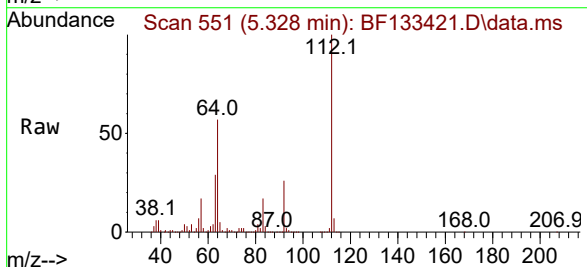
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

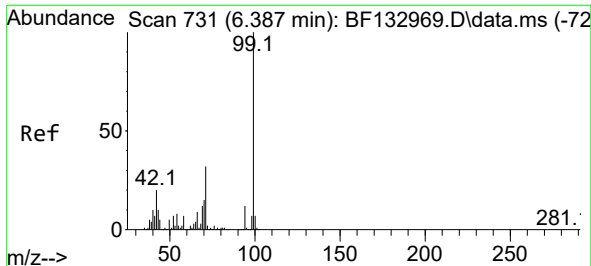
Tgt Ion:152 Resp: 227298
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 104.165 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

Tgt Ion:112 Resp: 1567350
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 28.9 23.8 35.8

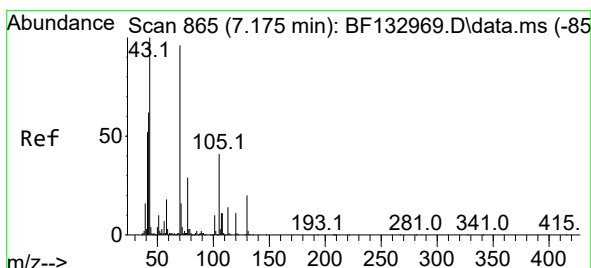
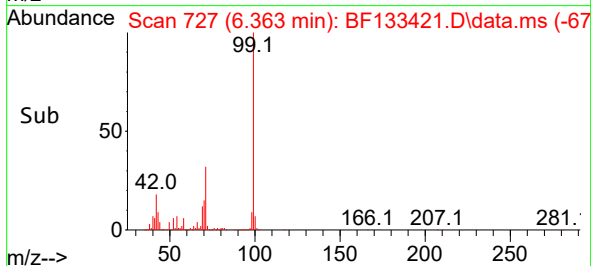
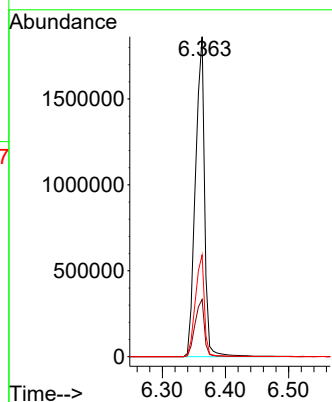
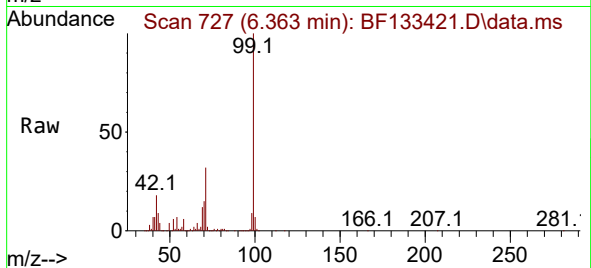




#7
Phenol-d6
Concen: 100.367 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

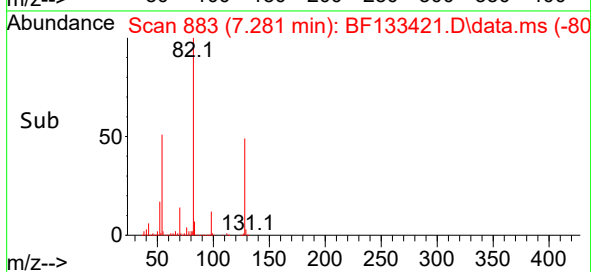
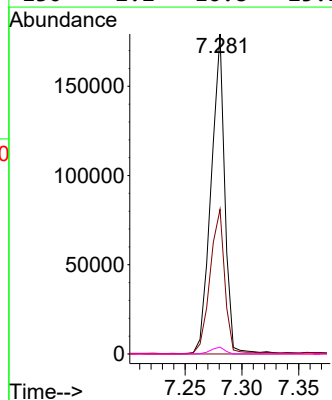
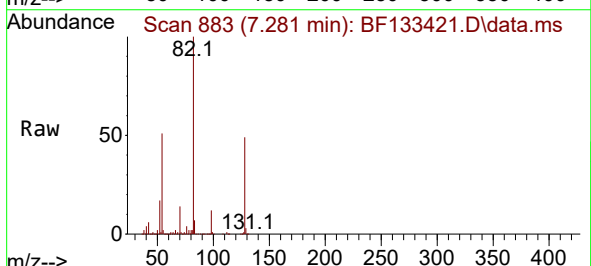
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

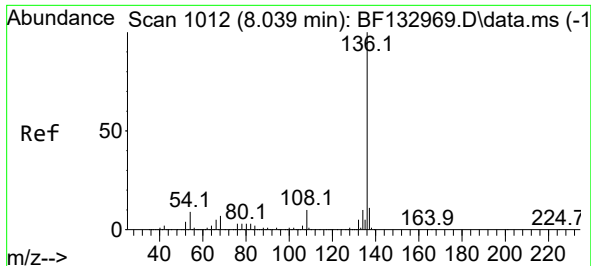
Tgt Ion: 99 Resp: 1874468
Ion Ratio Lower Upper
99 100
42 17.9 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.918 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

Tgt Ion: 70 Resp: 150197
Ion Ratio Lower Upper
70 100
42 45.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

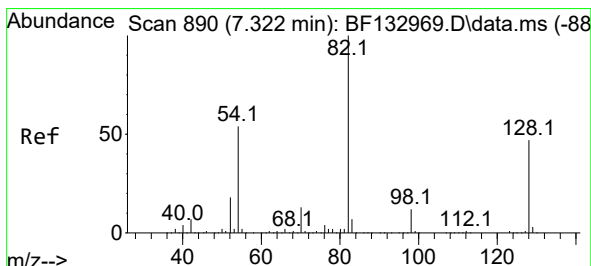
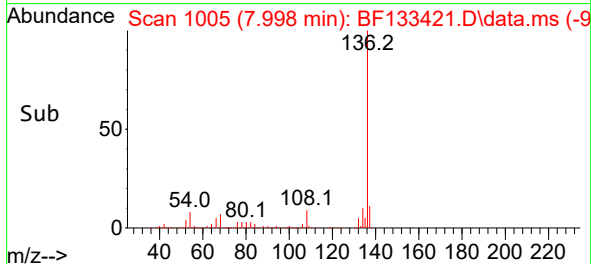
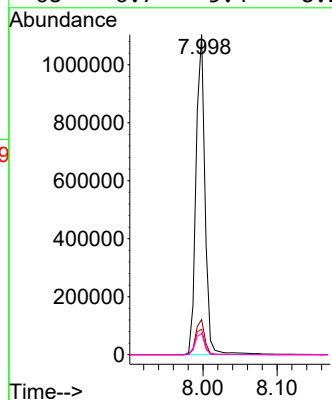
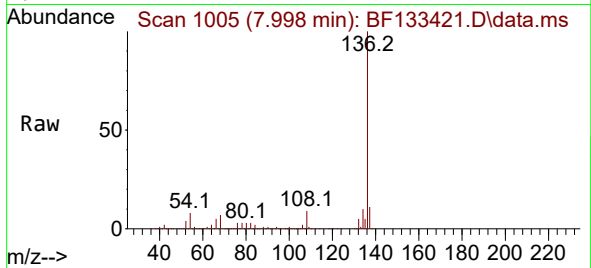




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

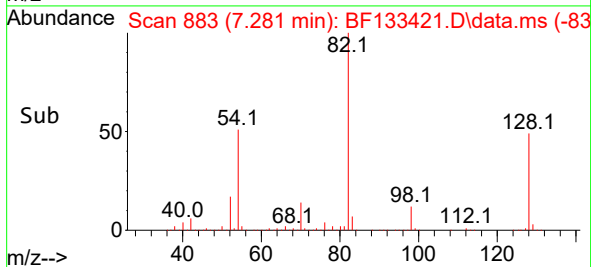
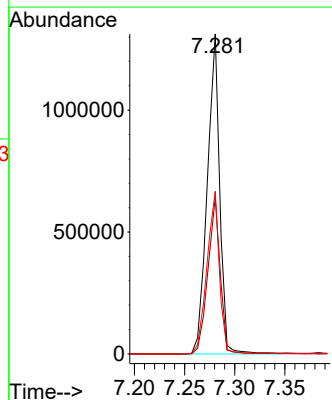
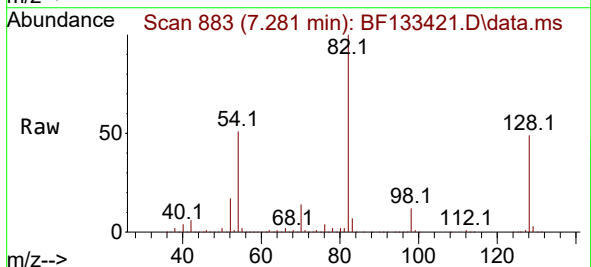
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

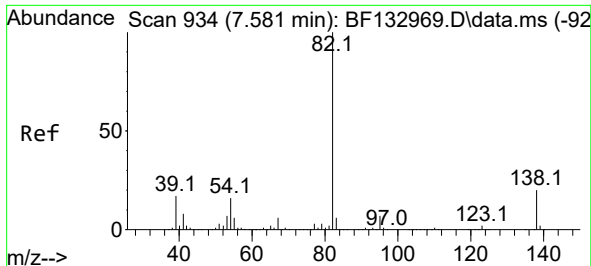
Tgt Ion:136 Resp: 930285
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 7.0 10.4
68 6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 66.116 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

Tgt Ion: 82 Resp: 1139507
Ion Ratio Lower Upper
82 100
128 49.0 37.7 56.5
54 50.8 43.0 64.4

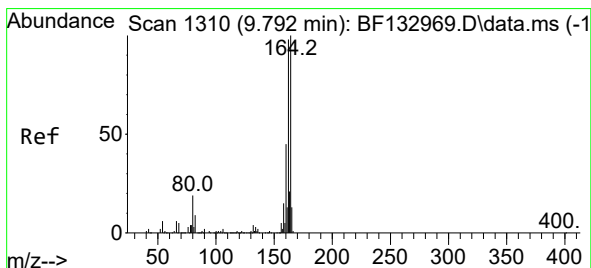
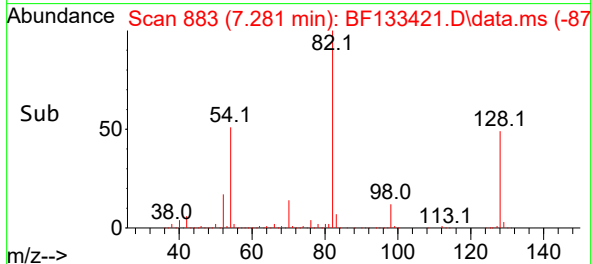
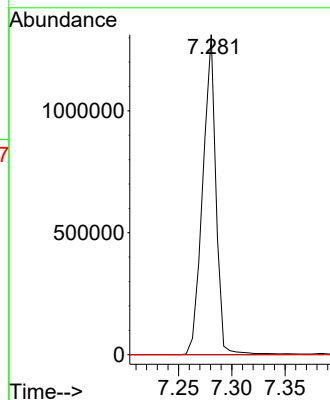
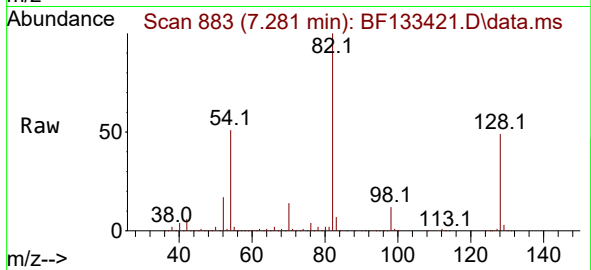




#25
Isophorone
Concen: 34.822 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

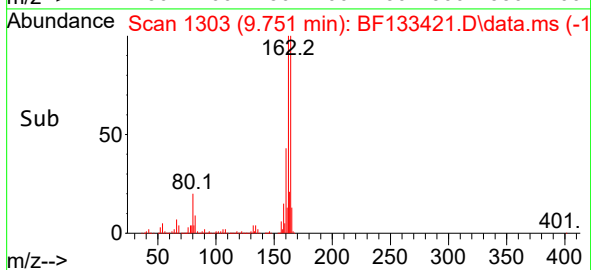
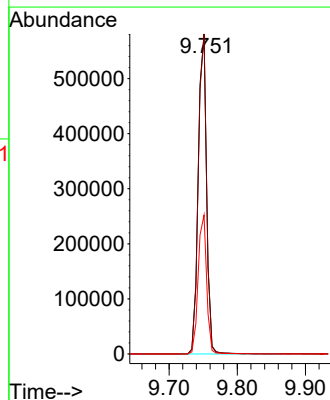
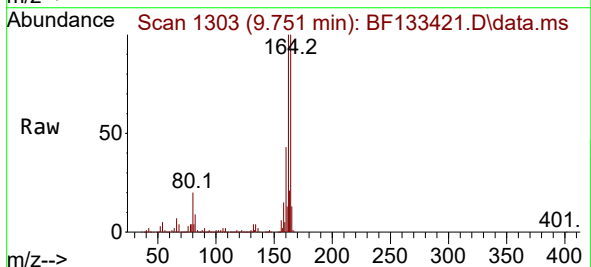
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

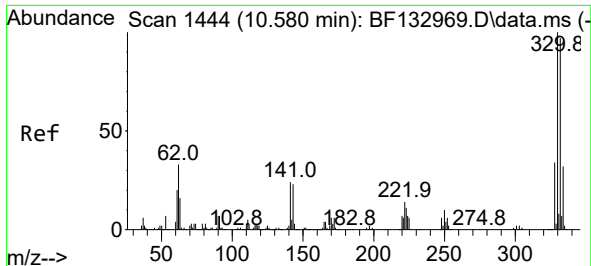
Tgt Ion: 82 Resp: 1139495
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

Tgt Ion:164 Resp: 491075
Ion Ratio Lower Upper
164 100
162 100.0 78.7 118.1
160 43.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 98.228 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133421.D

Acq: 17 May 2023 19:20

Instrument :

BNA_F

ClientSampleId :

WG-0516-B5-10-20

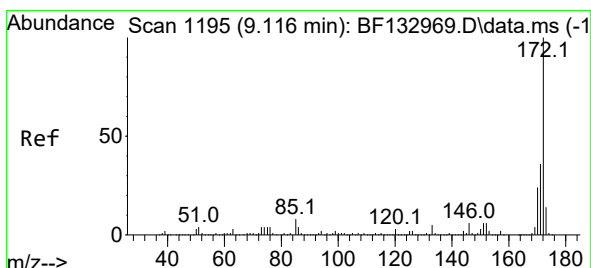
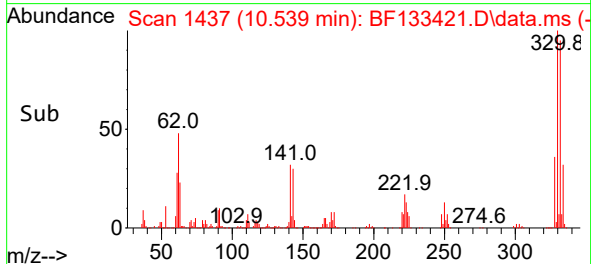
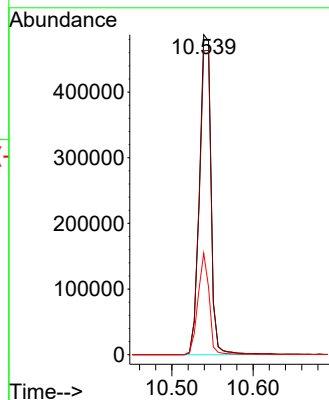
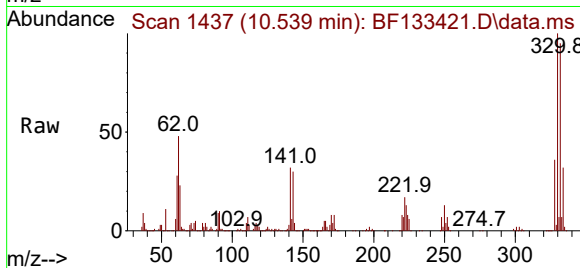
Tgt Ion:330 Resp: 485119

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 30.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 62.679 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133421.D

Acq: 17 May 2023 19:20

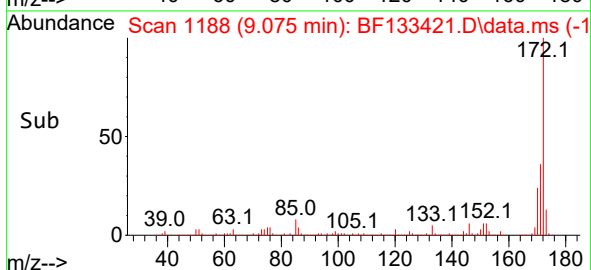
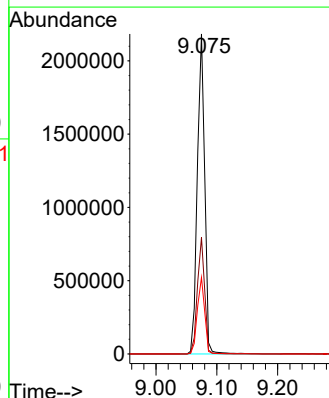
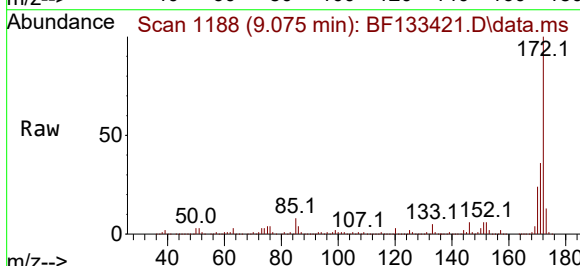
Tgt Ion:172 Resp: 1839812

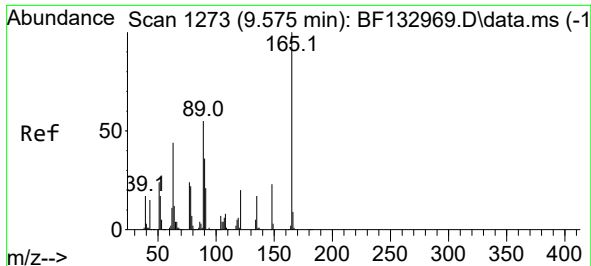
Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 23.9 19.4 29.2

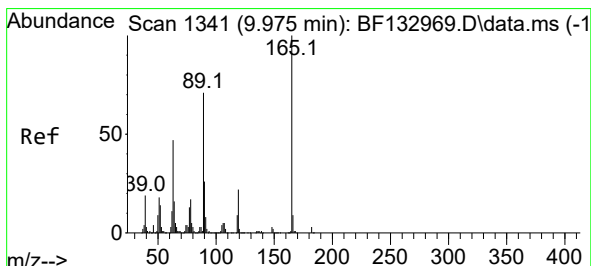
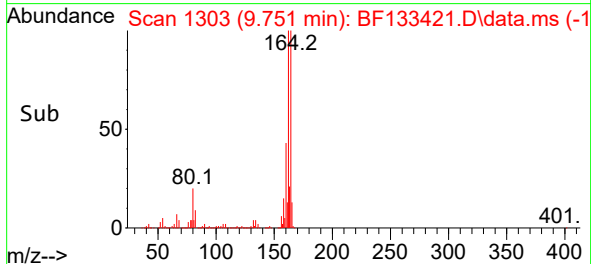
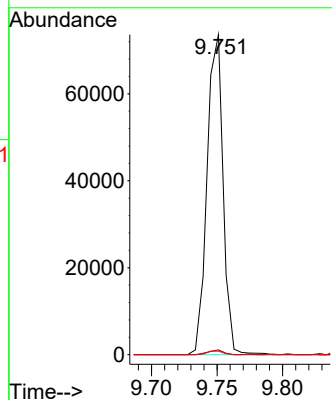
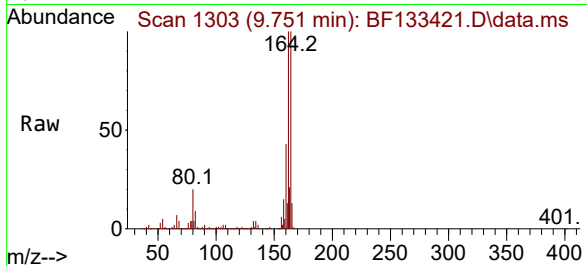




#51
2,6-Dinitrotoluene
Concen: 8.154 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

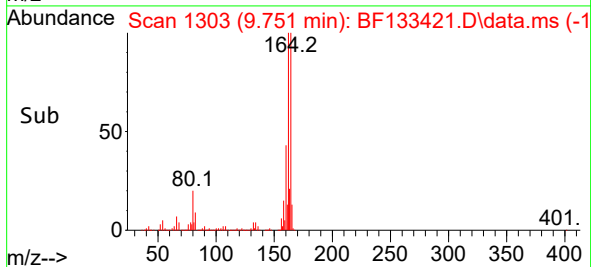
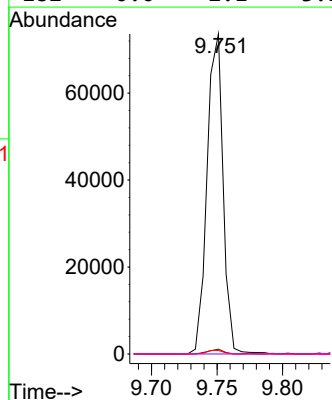
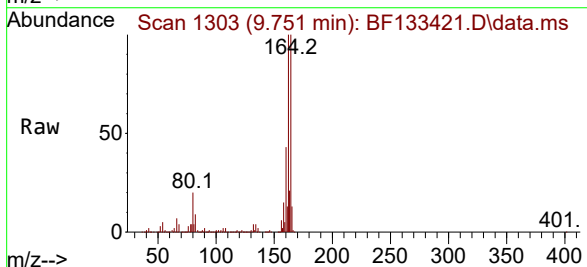
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

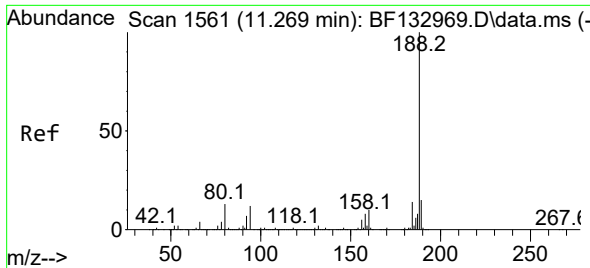
Tgt Ion:165 Resp: 62839
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.1 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.394 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.206 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

Tgt Ion:165 Resp: 62839
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#

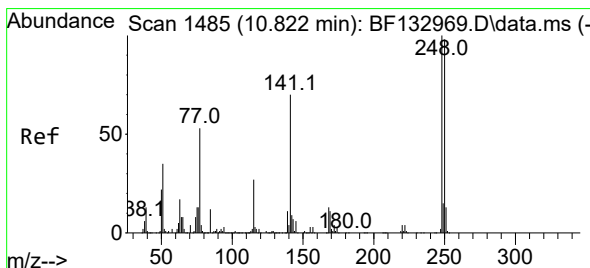
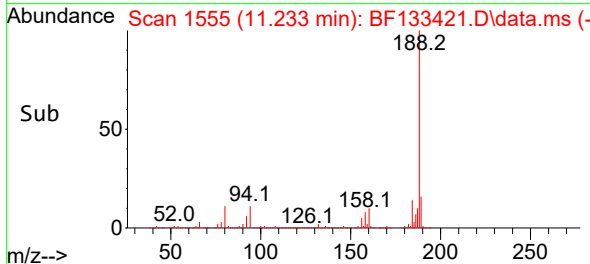
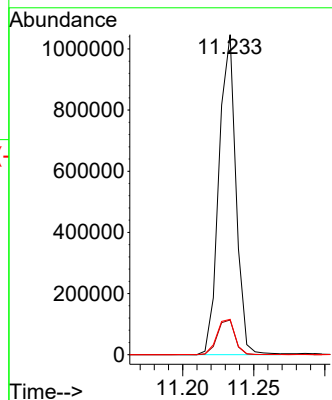
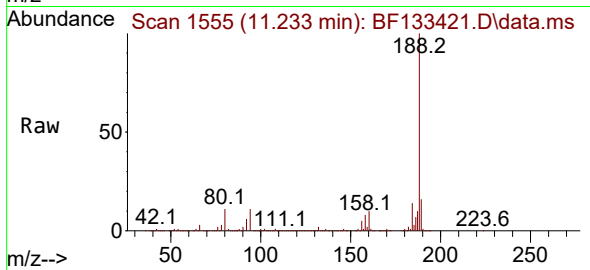




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

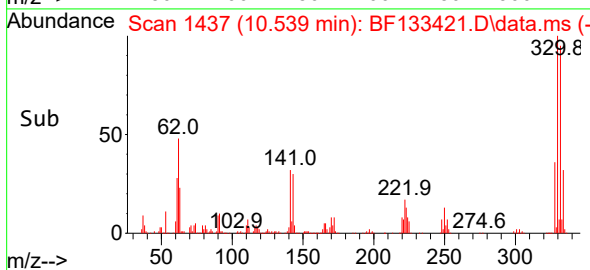
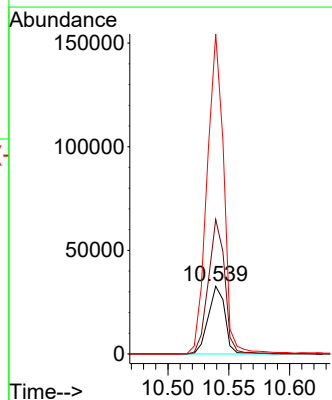
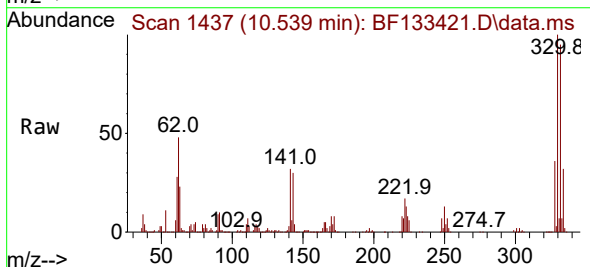
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20

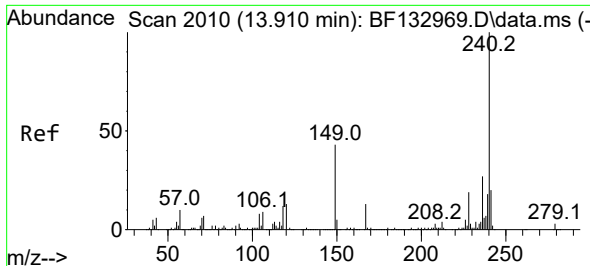
Tgt Ion:188 Resp: 869137
Ion Ratio Lower Upper
188 100
94 10.9 9.7 14.5
80 11.0 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.311 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

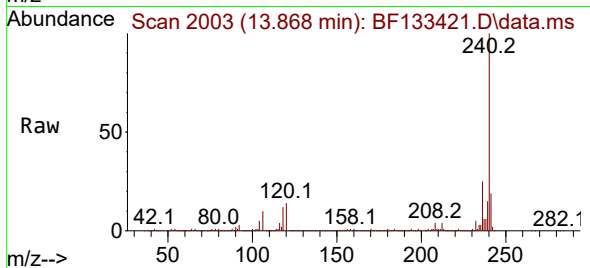
Tgt Ion:248 Resp: 31212
Ion Ratio Lower Upper
248 100
250 198.9 78.7 118.1#
141 472.9 56.3 84.5#



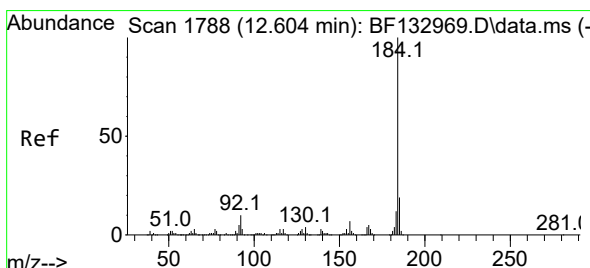
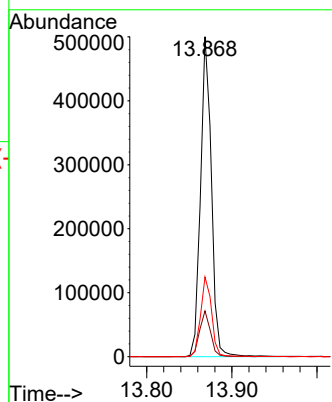
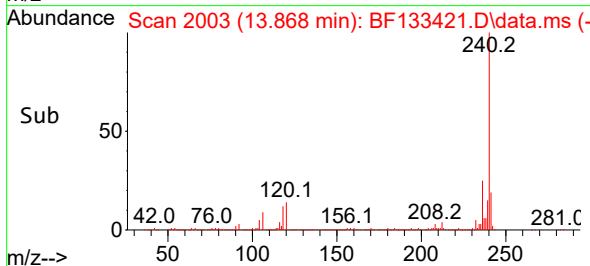


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20

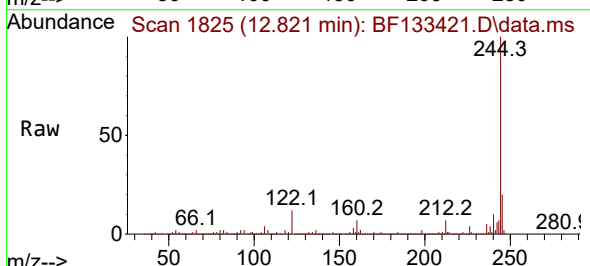
Instrument :
BNA_F
ClientSampleId :
WG-0516-B5-10-20



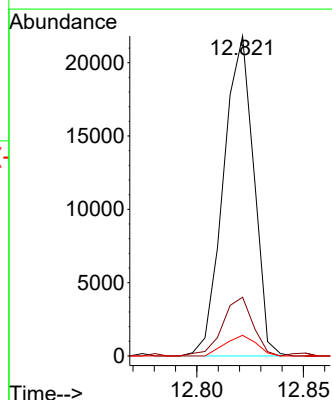
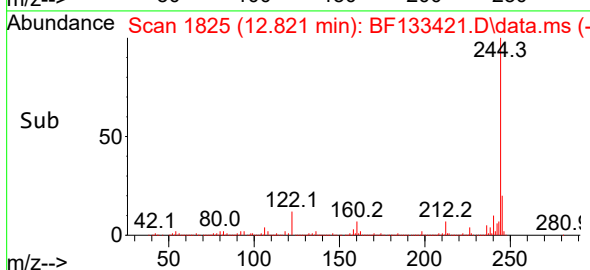
Tgt Ion:240 Resp: 443430
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 24.9 21.5 32.3

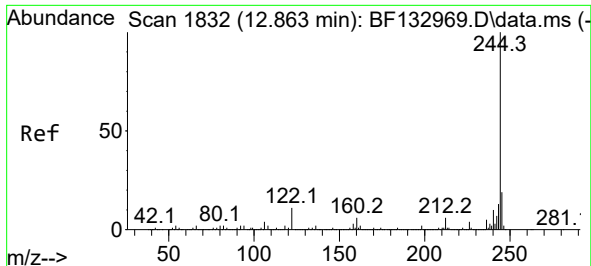


#77
Benzidine
Concen: 2.885 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF133421.D
Acq: 17 May 2023 19:20



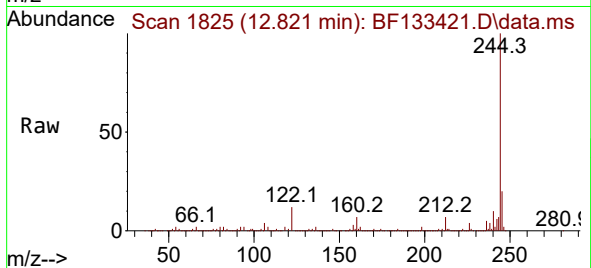
Tgt Ion:184 Resp: 21634
Ion Ratio Lower Upper
184 100
185 18.4 15.4 23.2
183 6.4 9.4 14.0#



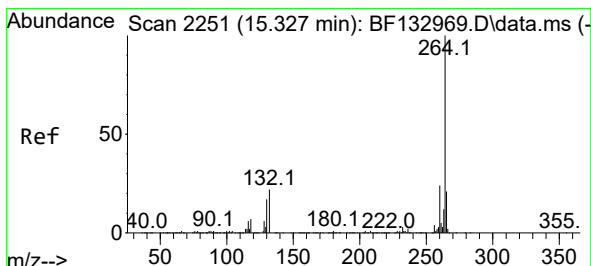
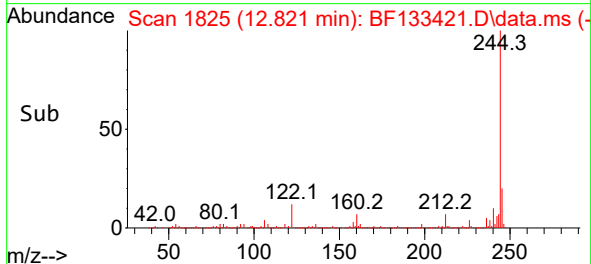
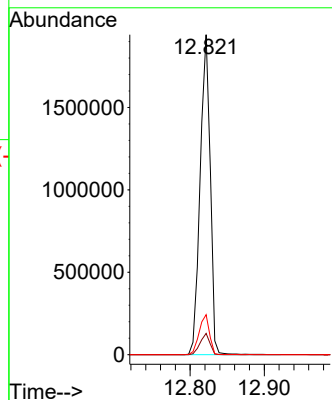


#79
 Terphenyl-d14
 Concen: 71.505 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF133421.D
 Acq: 17 May 2023 19:20

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B5-10-20



Tgt Ion:244 Resp: 1838460
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.5 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.012 min
 Lab File: BF133421.D
 Acq: 17 May 2023 19:20

Tgt Ion:264 Resp: 510529
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 21.4 17.0 25.4

