

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133441.D
 Acq On : 18 May 2023 16:38
 Operator : CG\JU
 Sample : 02828-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Quant Time: May 18 17:52:20 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)

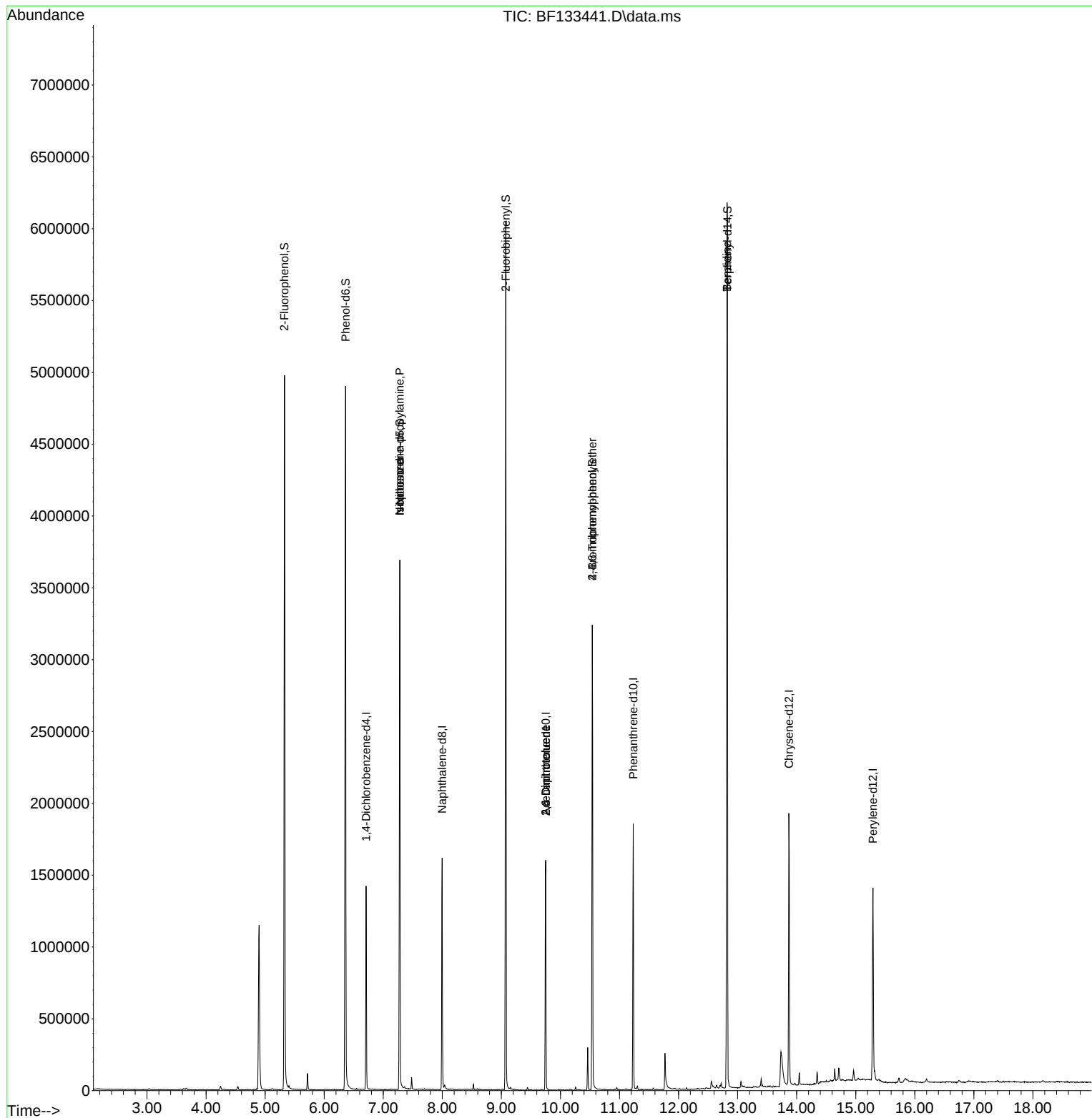
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	188499	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	716331	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	339746	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	663235	20.000	ng	#-0.01
76) Chrysene-d12	13.868	240	642815	20.000	ng	-0.02
86) Perylene-d12	15.292	264	556306	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1499016	120.129	ng	0.00
7) Phenol-d6	6.363	99	1786576	115.351	ng	0.00
23) Nitrobenzene-d5	7.281	82	1099682	82.863	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	437260	127.974	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1796459	88.462	ng	-0.01
79) Terphenyl-d14	12.827	244	2573178	69.038	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.263	77	285	Below Cal	#	41
19) n-Nitroso-di-n-propyla...	7.281	70	142402	14.769	ng	# 76
25) Isophorone	7.281	82	1099675	43.643	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	43329	8.126	ng	# 24
57) 2,4-Dinitrotoluene	9.751	165	43329	6.372	ng	# 23
67) 4-Bromophenyl-phenylether	10.539	248	28177	3.917	ng	# 1
77) Benizidine	12.821	184	29877	2.748	ng	# 90

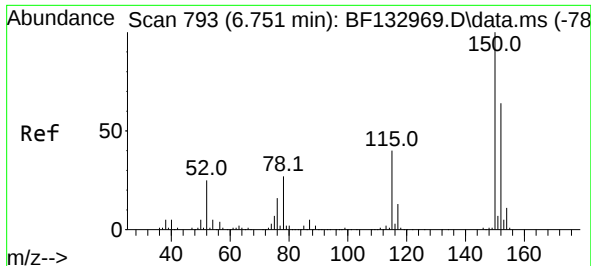
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
Data File : BF133441.D
Acq On : 18 May 2023 16:38
Operator : CG\JU
Sample : 02828-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4

Quant Time: May 18 17:52:20 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

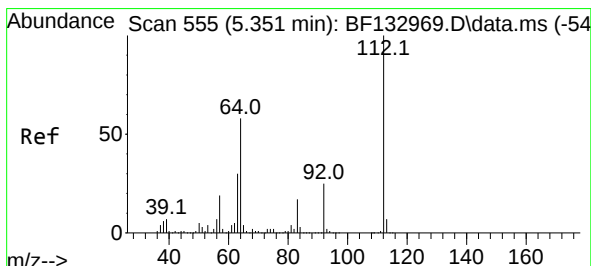
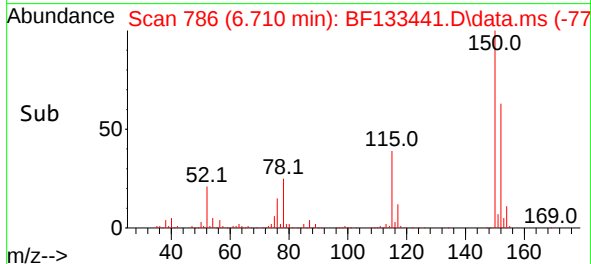
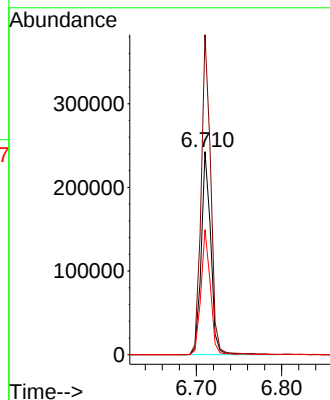
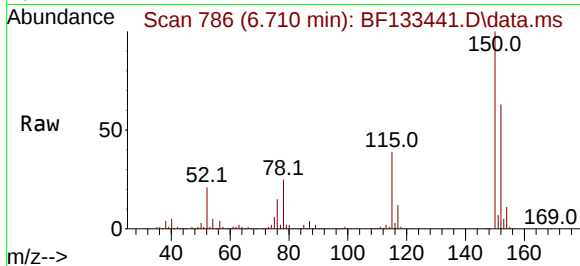




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

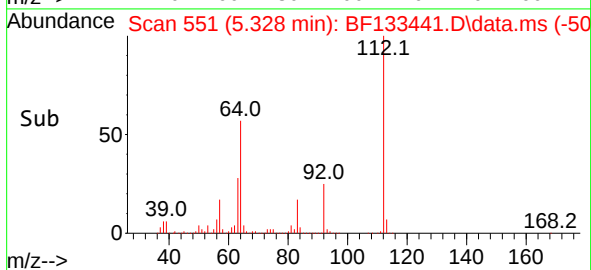
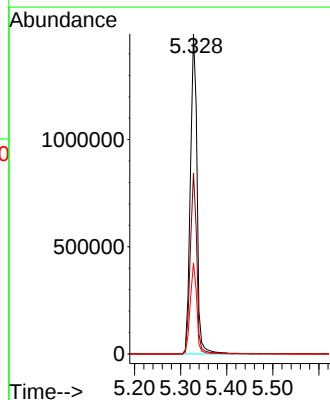
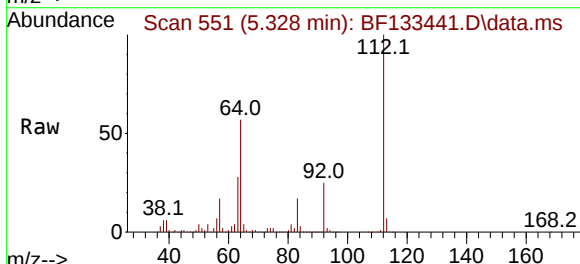
Instrument :
BNA_F
ClientSampleId :
SB-4

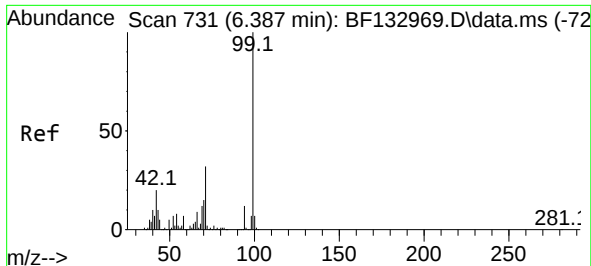
Tgt Ion:152 Resp: 188499
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 61.6 49.9 74.9



#5
2-Fluorophenol
Concen: 120.129 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

Tgt Ion:112 Resp: 1499016
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 28.4 23.8 35.8

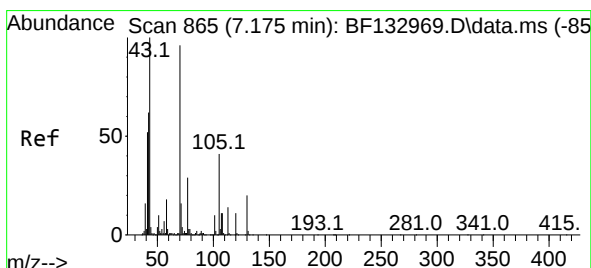
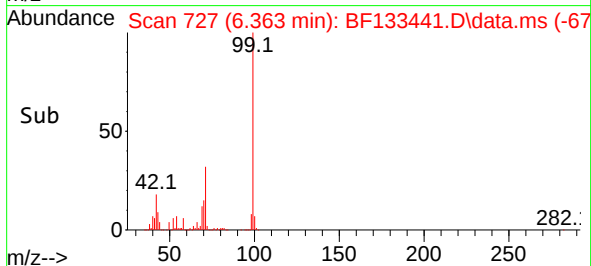
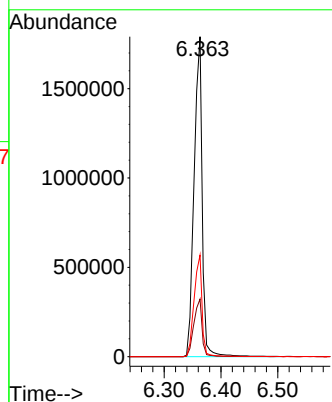
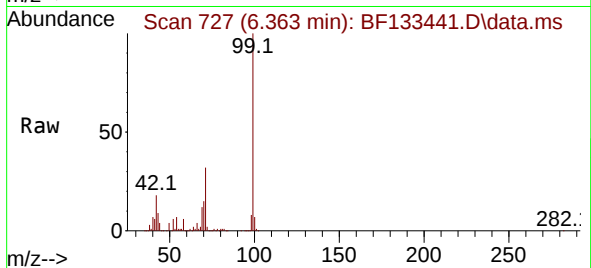




#7
Phenol-d6
Concen: 115.351 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

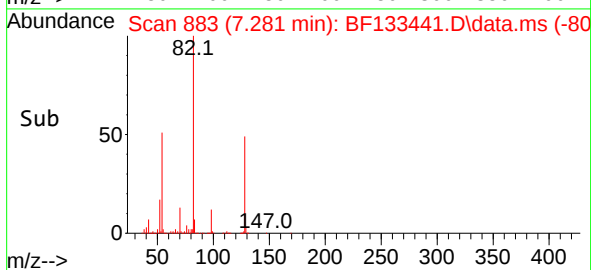
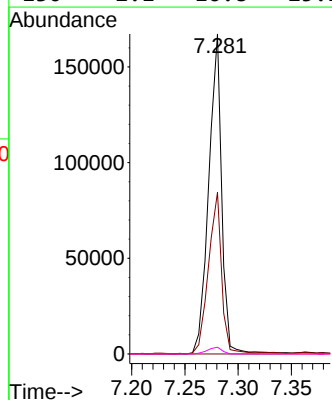
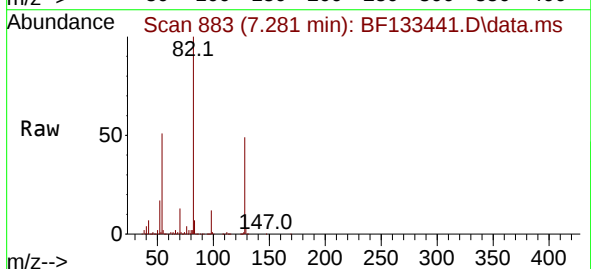
Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion: 99 Resp: 1786576
Ion Ratio Lower Upper
99 100
42 18.0 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.769 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

Tgt Ion: 70 Resp: 142402
Ion Ratio Lower Upper
70 100
42 50.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#

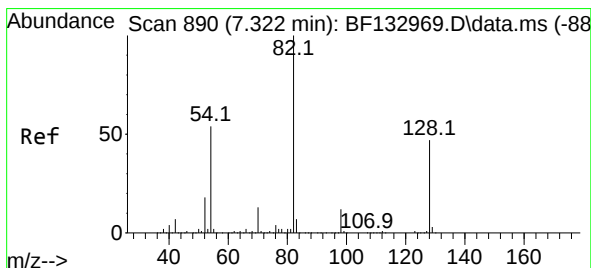
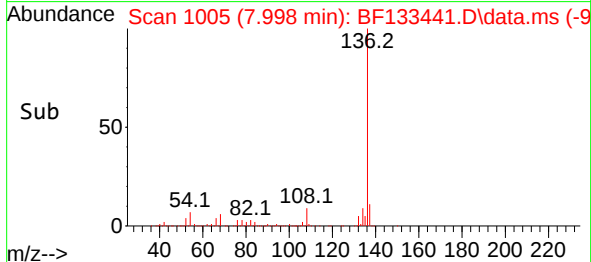
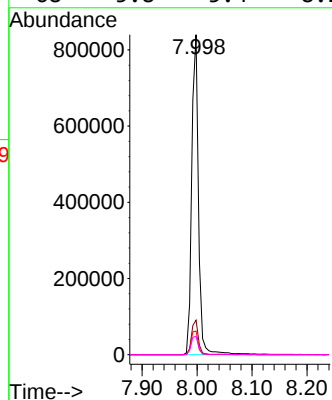
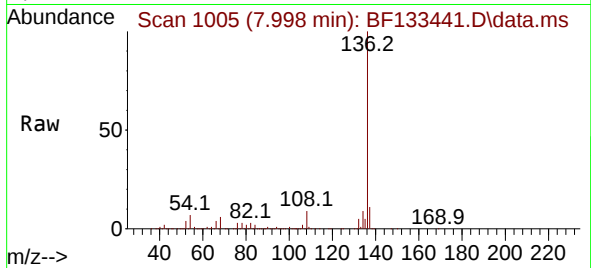




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

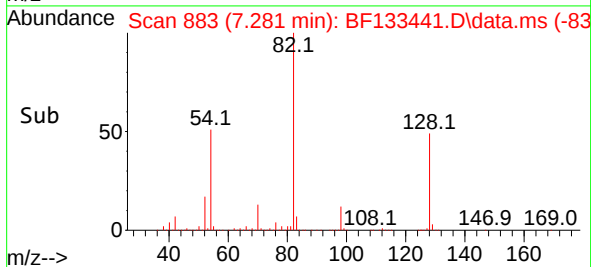
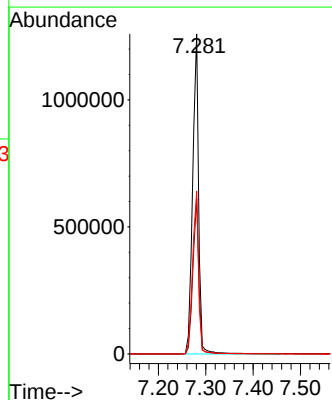
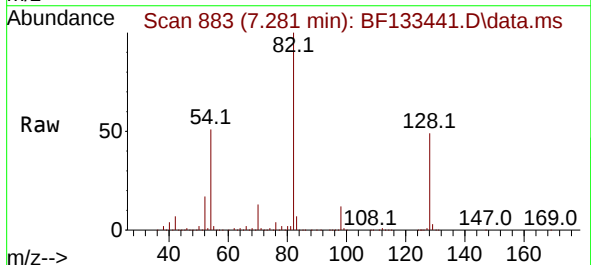
Instrument :
BNA_F
ClientSampleId :
SB-4

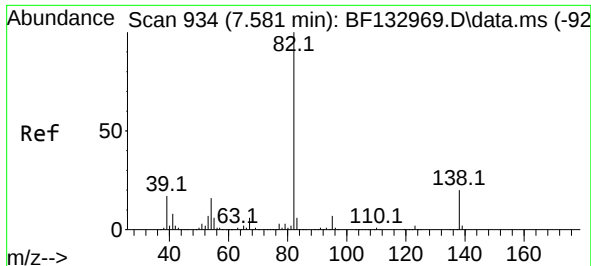
Tgt Ion:136 Resp: 716331
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.4 7.0 10.4
68 5.8 5.4 8.2



#23
Nitrobenzene-d5
Concen: 82.863 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

Tgt Ion: 82 Resp: 1099682
Ion Ratio Lower Upper
82 100
128 48.6 37.7 56.5
54 50.9 43.0 64.4

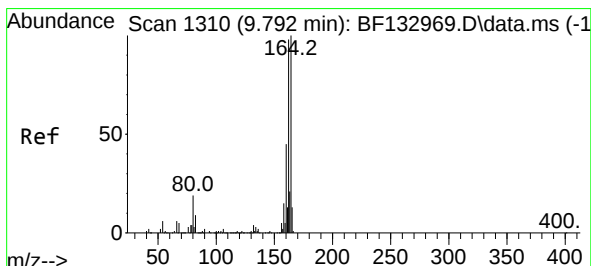
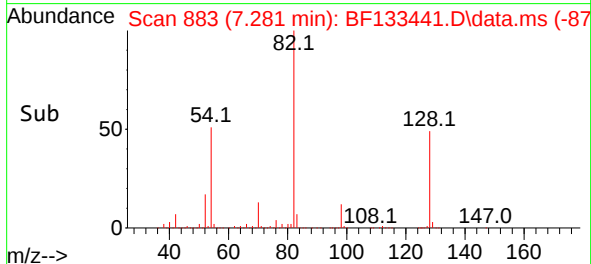
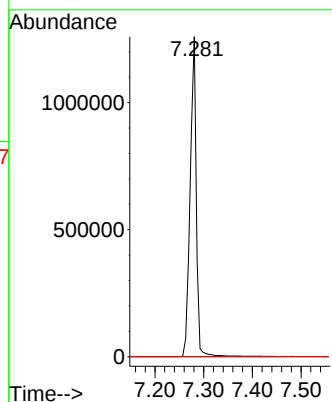
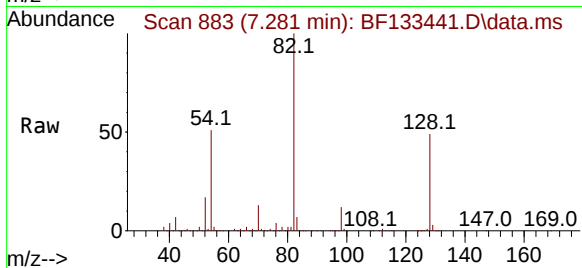




#25
Isophorone
Concen: 43.643 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

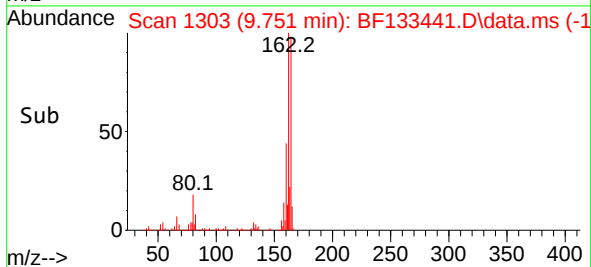
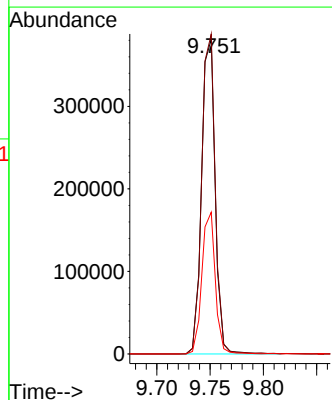
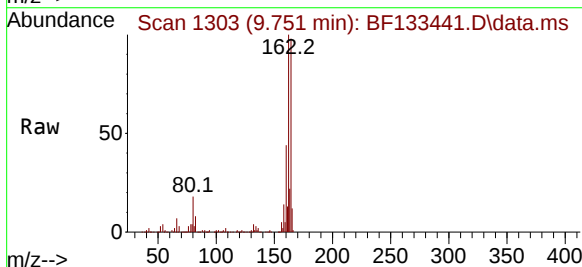
Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion: 82 Resp: 1099675
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: BF133441.D
Acq: 18 May 2023 16:38

Tgt Ion:164 Resp: 339746
Ion Ratio Lower Upper
164 100
162 101.6 78.7 118.1
160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 127.974 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

SB-4

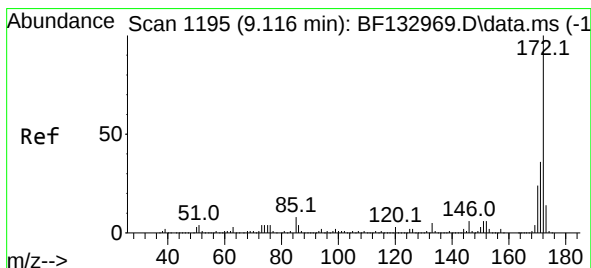
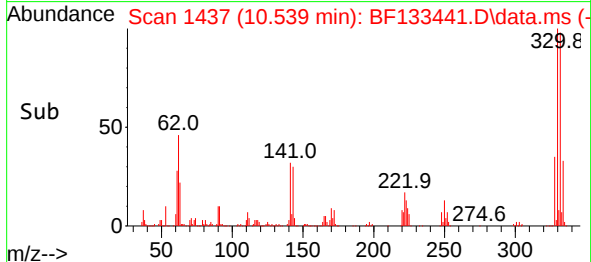
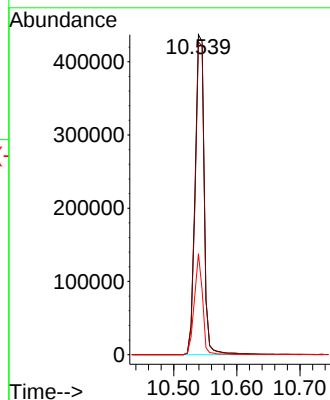
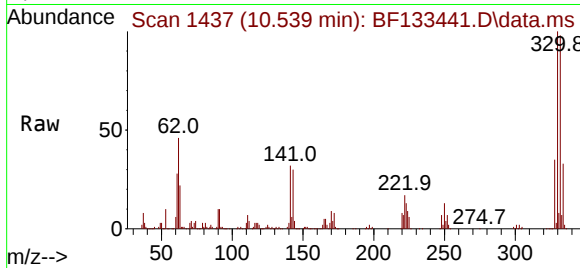
Tgt Ion:330 Resp: 437260

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 28.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 88.462 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

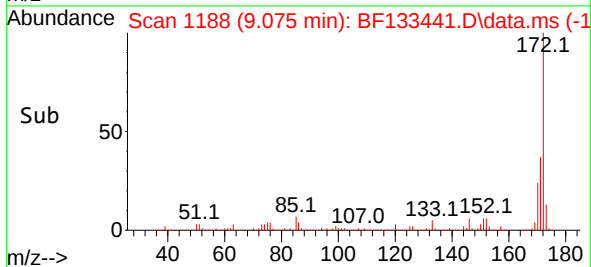
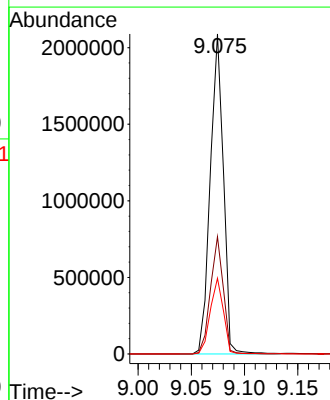
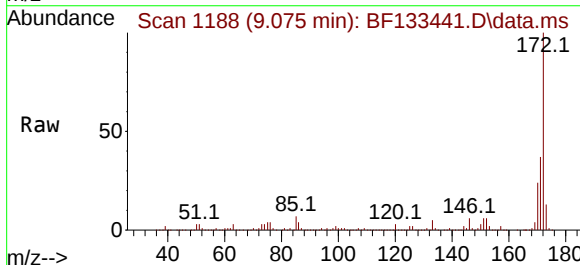
Tgt Ion:172 Resp: 1796459

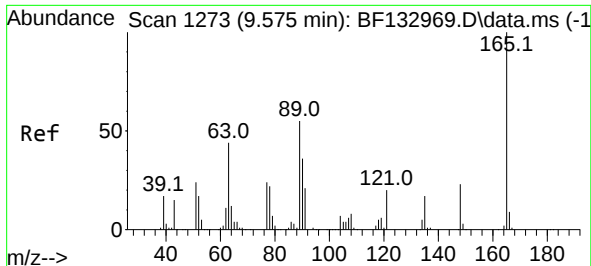
Ion Ratio Lower Upper

172 100

171 36.7 28.8 43.2

170 23.7 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.126 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

SB-4

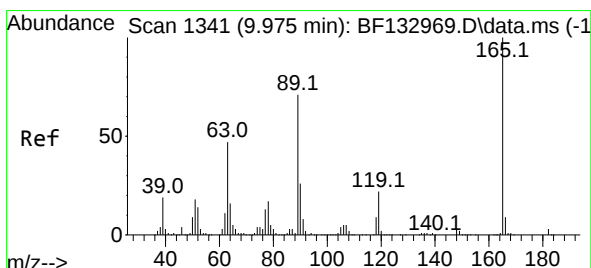
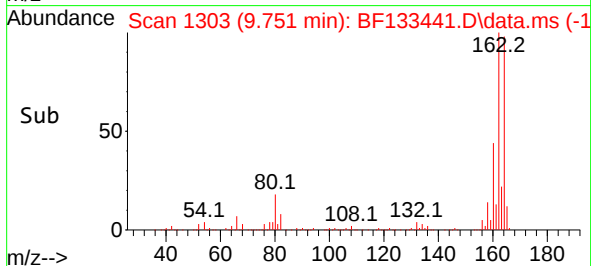
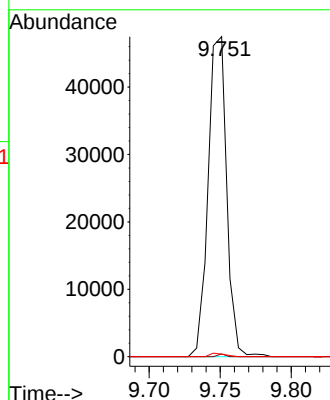
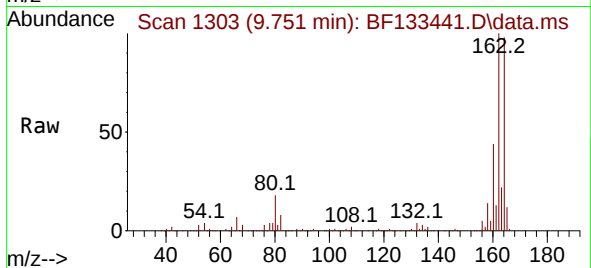
Tgt Ion:165 Resp: 43329

Ion Ratio Lower Upper

165 100

63 0.9 45.9 68.9#

89 0.8 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.372 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.206 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

Tgt Ion:165 Resp: 43329

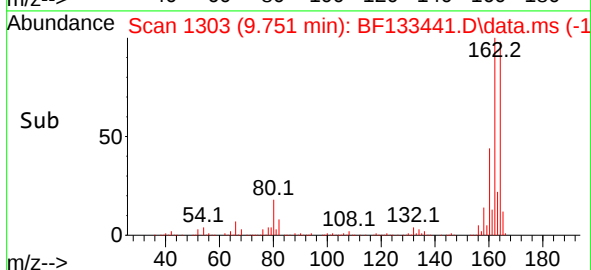
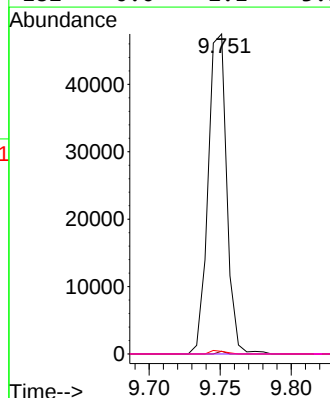
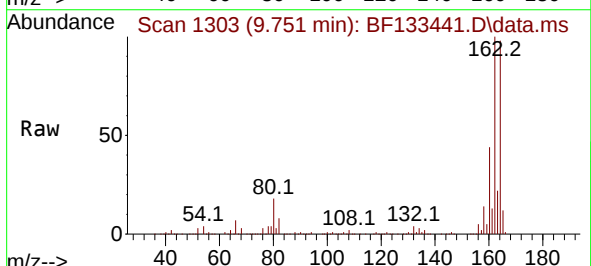
Ion Ratio Lower Upper

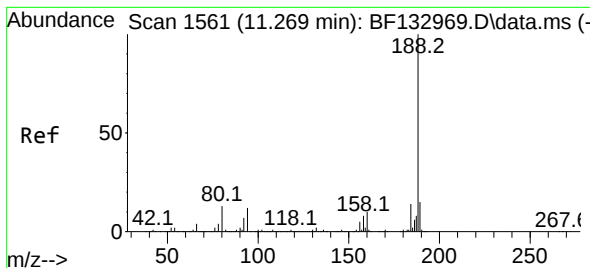
165 100

63 0.9 37.7 56.5#

89 0.8 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: BF133441.D

Acq: 18 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

SB-4

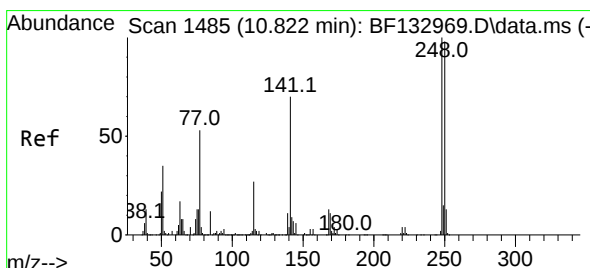
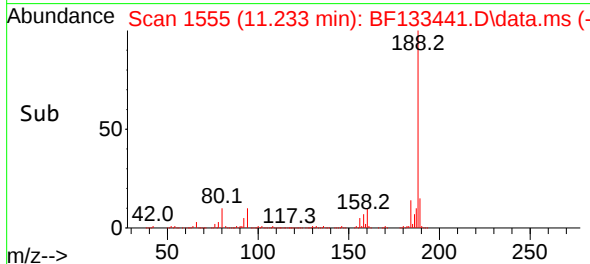
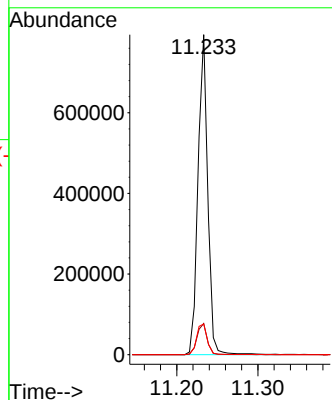
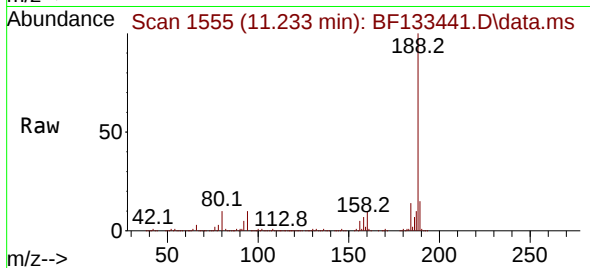
Tgt Ion:188 Resp: 663235

Ion Ratio Lower Upper

188 100

94 9.8 9.7 14.5

80 9.6 10.4 15.6#



#67

4-Bromophenyl-phenylether

Concen: 3.917 ng

RT: 10.539 min Scan# 1437

Delta R.T. -0.253 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

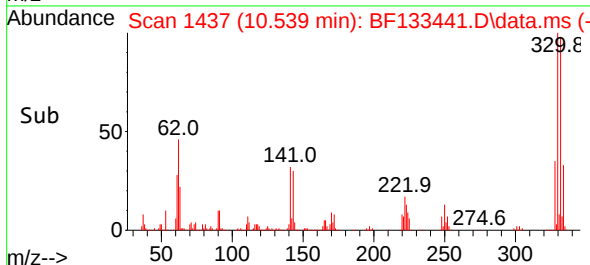
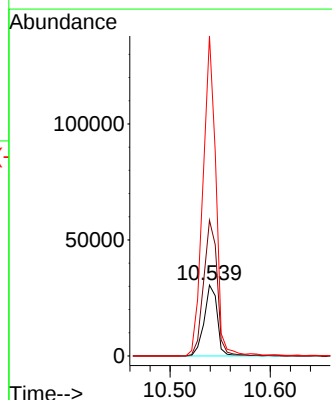
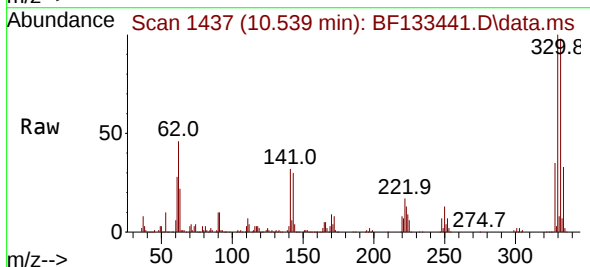
Tgt Ion:248 Resp: 28177

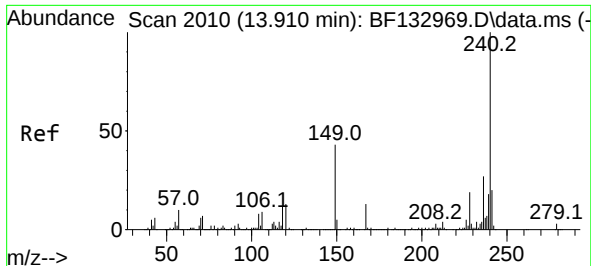
Ion Ratio Lower Upper

248 100

250 191.4 78.7 118.1#

141 451.2 56.3 84.5#

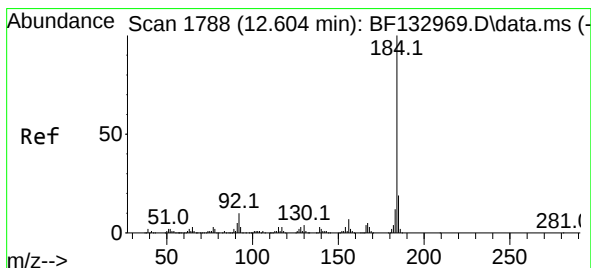
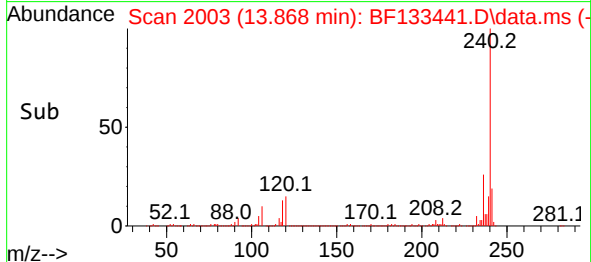
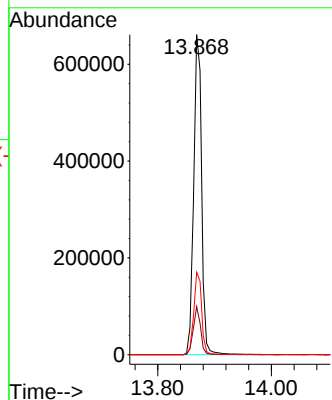
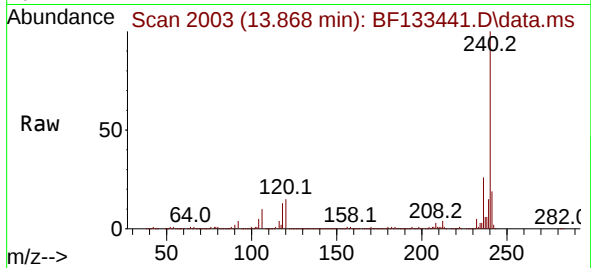




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

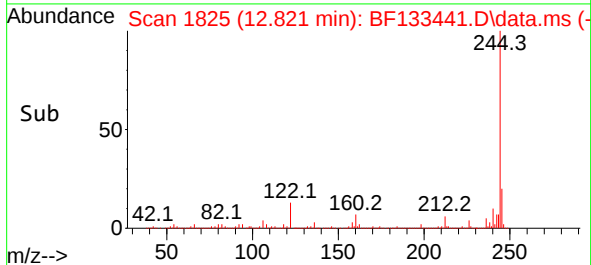
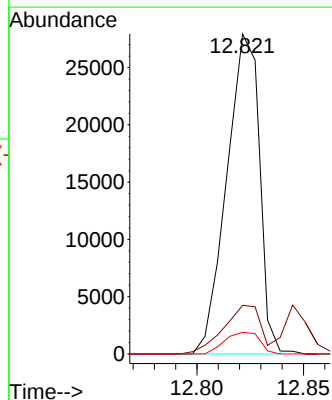
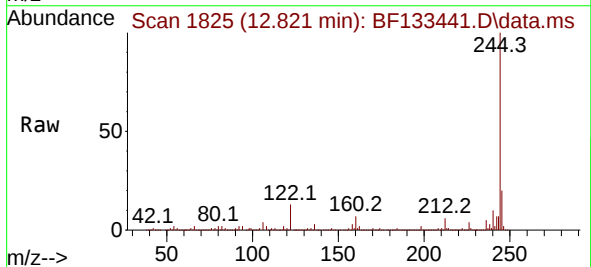
Instrument :
BNA_F
ClientSampleId :
SB-4

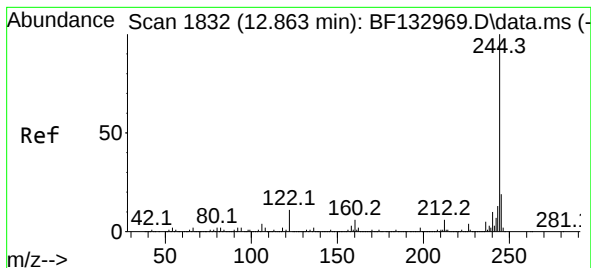
Tgt Ion:240 Resp: 642815
Ion Ratio Lower Upper
240 100
120 15.0 10.5 15.7
236 25.7 21.5 32.3



#77
Benzidine
Concen: 2.748 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.241 min
Lab File: BF133441.D
Acq: 18 May 2023 16:38

Tgt Ion:184 Resp: 29877
Ion Ratio Lower Upper
184 100
185 15.2 15.4 23.2#
183 6.8 9.4 14.0#





#79

Terphenyl-d14

Concen: 69.038 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

Instrument :

BNA_F

ClientSampleId :

SB-4

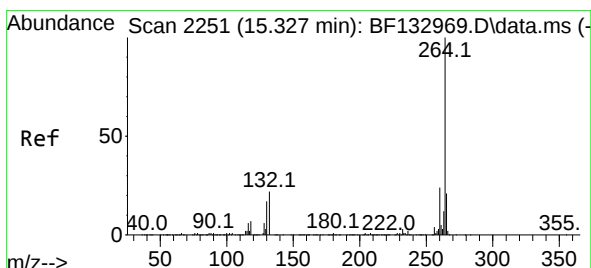
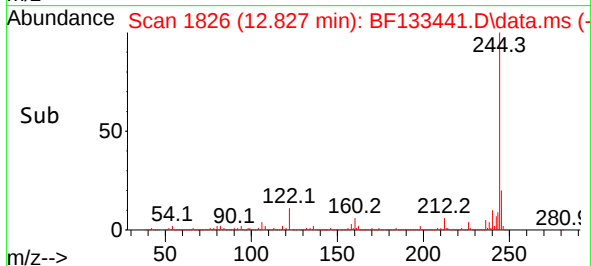
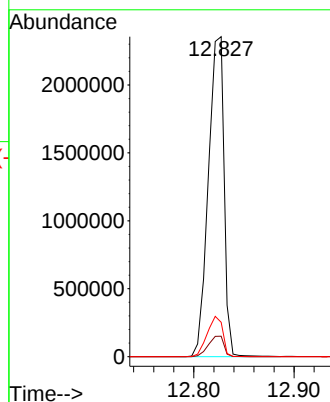
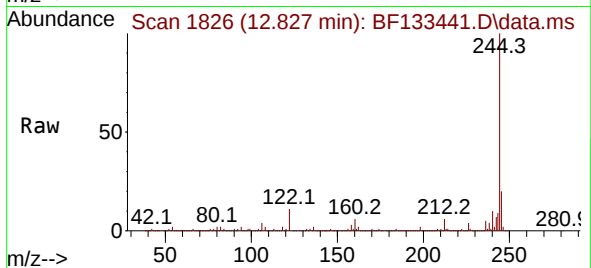
Tgt Ion:244 Resp: 2573178

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 10.8 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: BF133441.D

Acq: 18 May 2023 16:38

Tgt Ion:264 Resp: 556306

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 17.0 25.4

