

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133230.D
 Acq On : 04 May 2023 14:46
 Operator : CG\JU
 Sample : 02605-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RC-1

Quant Time: May 04 15:20:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

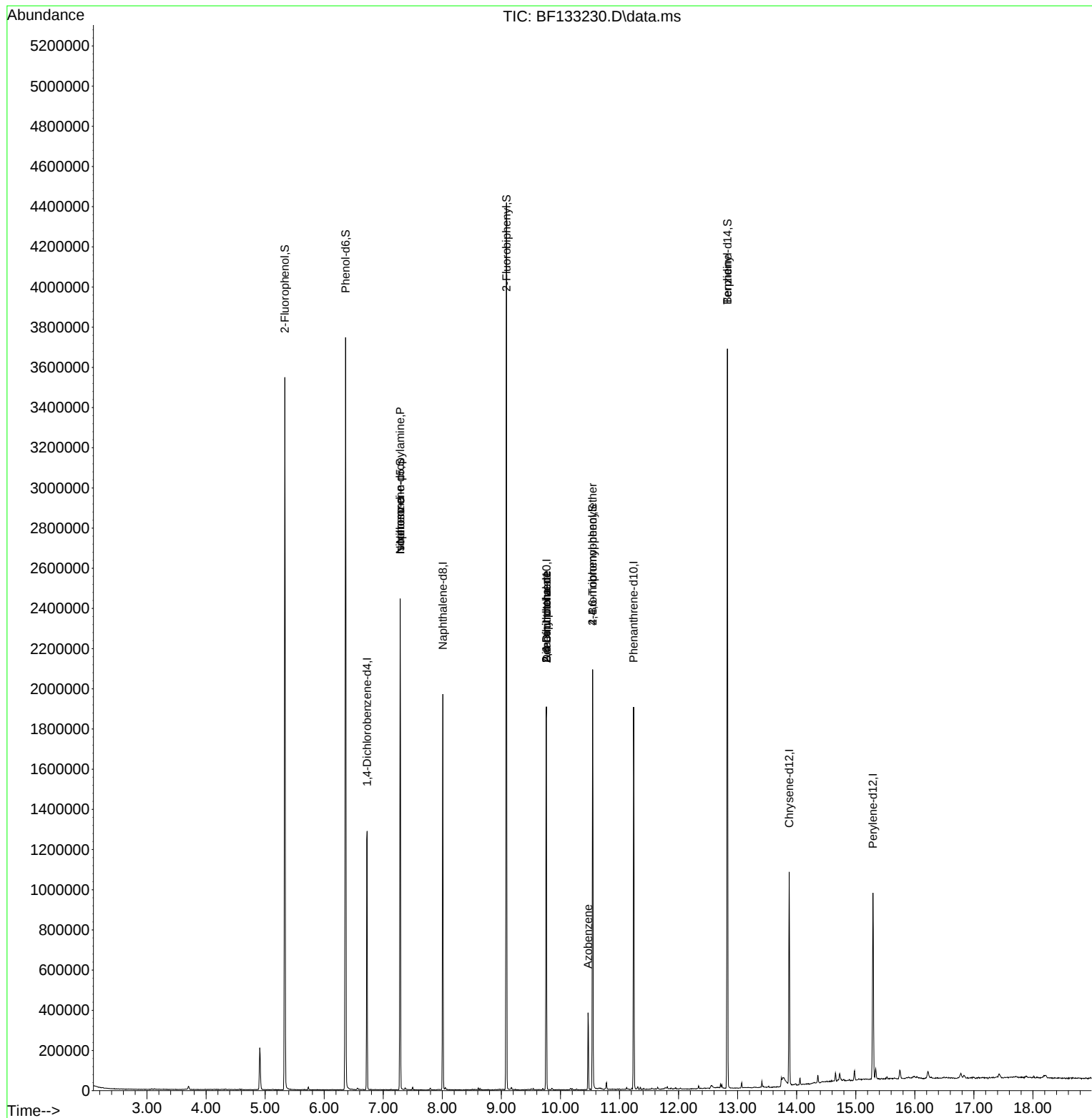
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	183917	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	744190	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	386644	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	657386	20.000	ng	0.00
76) Chrysene-d12	13.874	240	310722	20.000	ng	-0.01
86) Perylene-d12	15.292	264	384581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	990383	81.346	ng	0.00
7) Phenol-d6	6.363	99	1297652	85.870	ng	-0.01
23) Nitrobenzene-d5	7.287	82	695242	50.427	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	227972	58.628	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	1225803	53.040	ng	0.00
79) Terphenyl-d14	12.827	244	1168109	64.836	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.263	77	192	Below Cal	#	30
19) n-Nitroso-di-n-propyla...	7.287	70	91160	9.690	ng	# 77
25) Isophorone	7.287	82	693492	26.492	ng	# 63
50) Dimethylphthalate	9.763	163	80503	2.986	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	49759	8.200	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	49759	6.430	ng	# 23
63) Azobenzene	10.469	77	62949	2.333	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	14972	2.100	ng	# 1
77) Benzidine	12.827	184	14477	2.755	ng	# 89

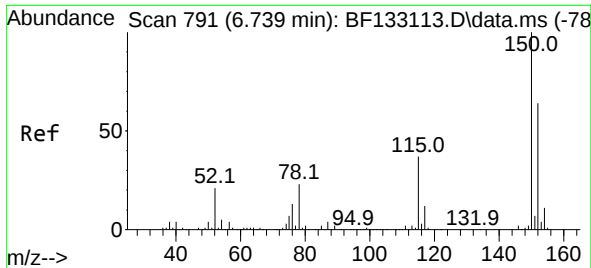
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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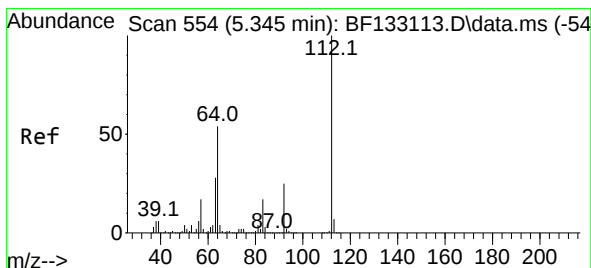
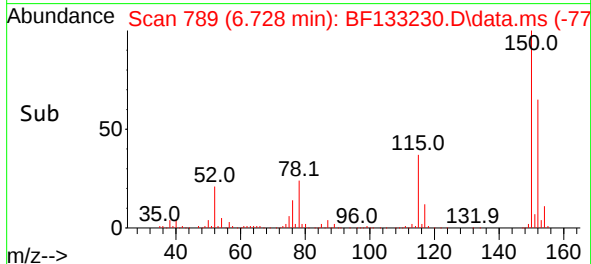
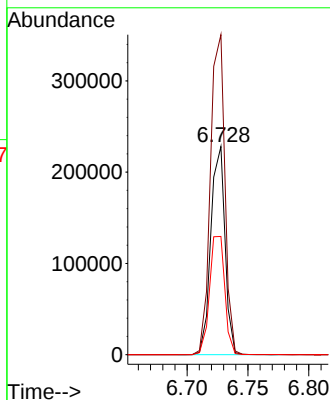
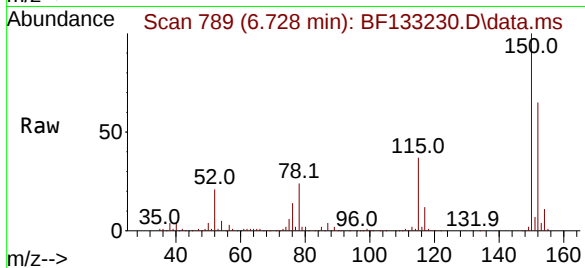




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133230.D
 Acq: 04 May 2023 14:46

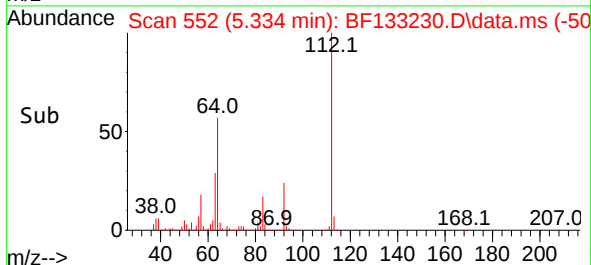
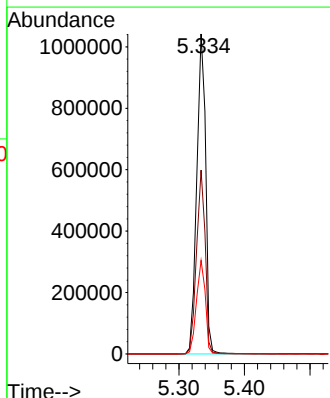
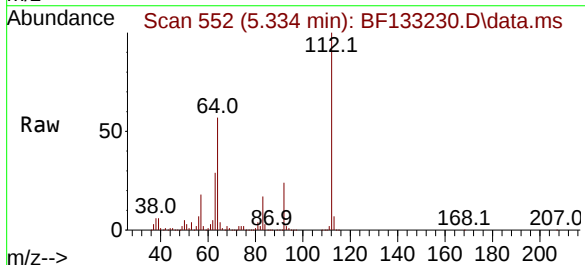
Instrument :
 BNA_F
 ClientSampleId :
 RC-1

Tgt Ion:152 Resp: 183917
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.8 187.2
 115 56.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 81.346 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: BF133230.D
 Acq: 04 May 2023 14:46

Tgt Ion:112 Resp: 990383
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.8 70.2
 63 29.2 23.8 35.8

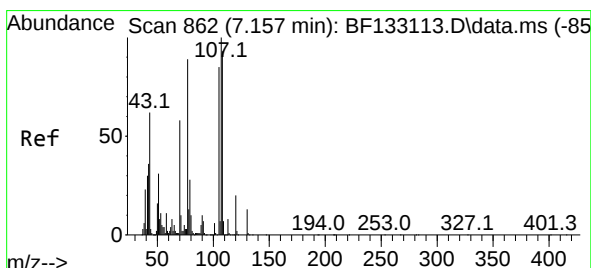
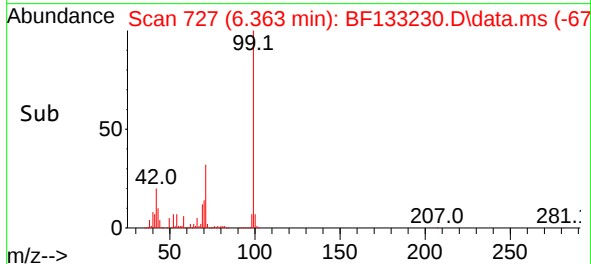
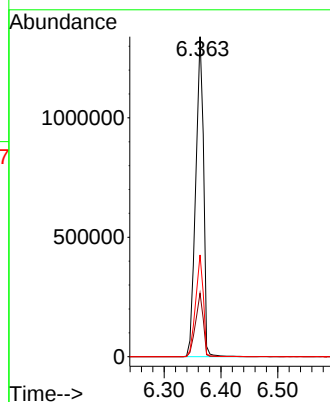
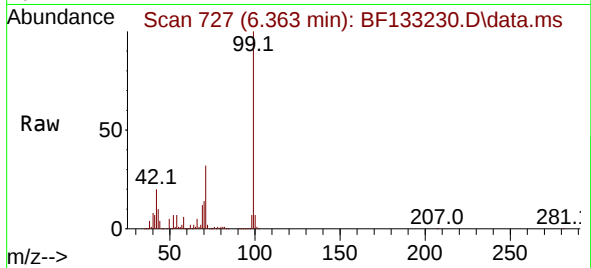




#7
Phenol-d6
Concen: 85.870 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

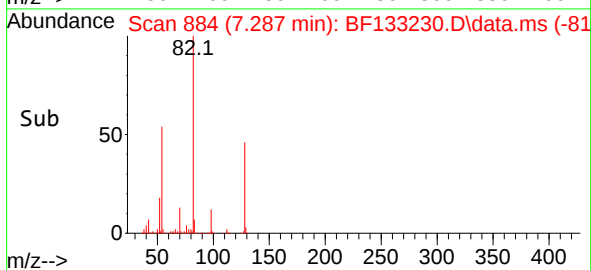
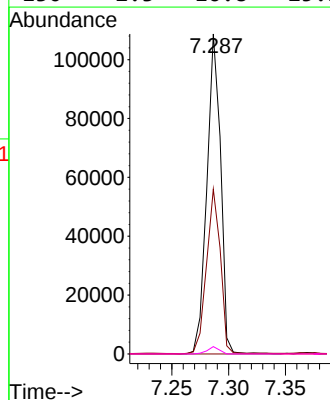
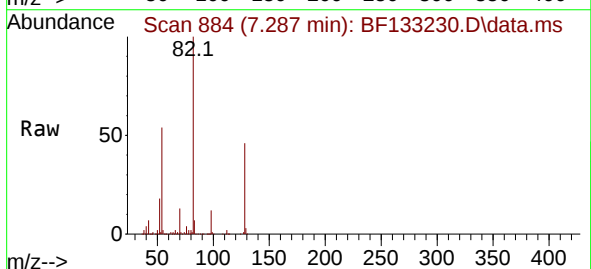
Instrument :
BNA_F
ClientSampleId :
RC-1

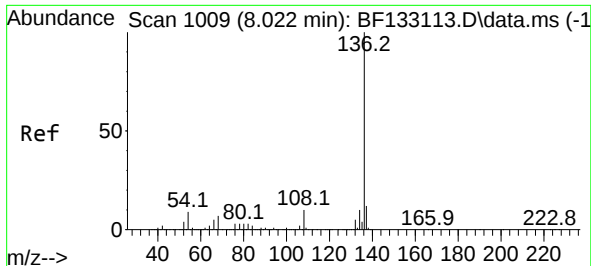
Tgt Ion: 99 Resp: 1297652
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.690 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

Tgt Ion: 70 Resp: 91160
Ion Ratio Lower Upper
70 100
42 51.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

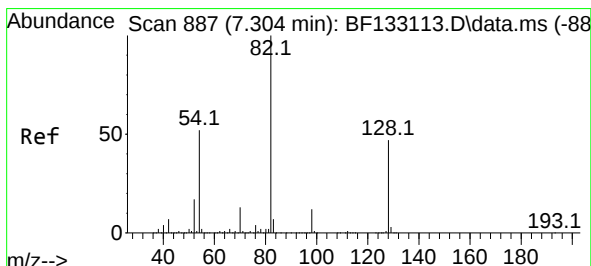
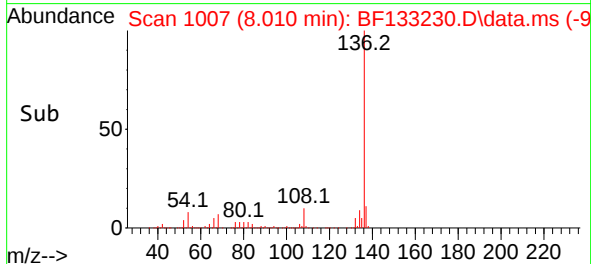
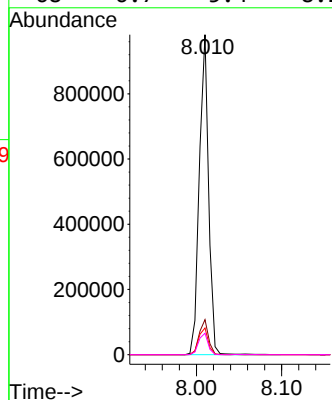
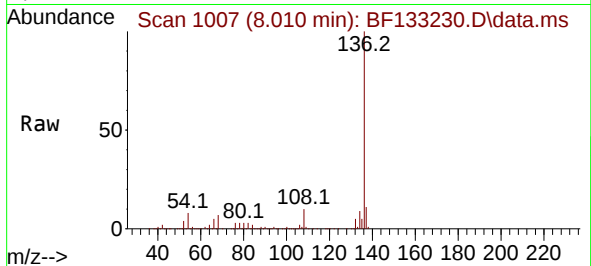




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

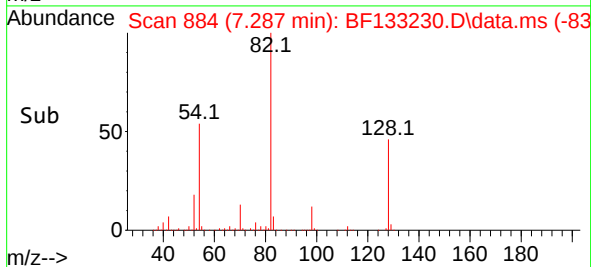
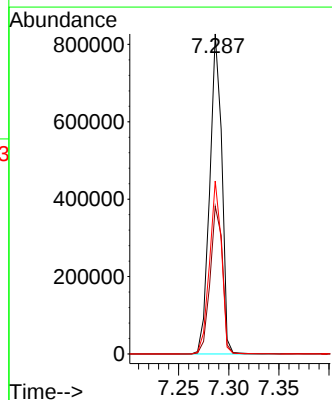
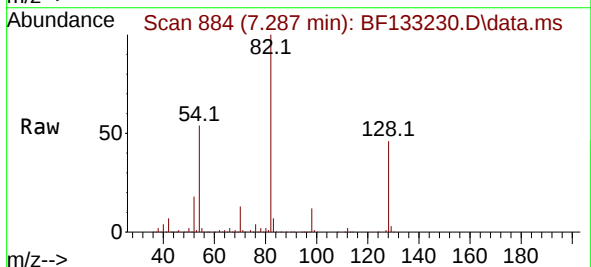
Instrument :
BNA_F
ClientSampleId :
RC-1

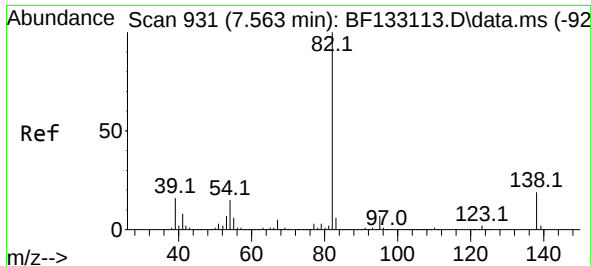
Tgt Ion:	136	Resp:	744190
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	7.0	10.4
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 50.427 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

Tgt Ion:	82	Resp:	695242
Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	54.1	43.0	64.4

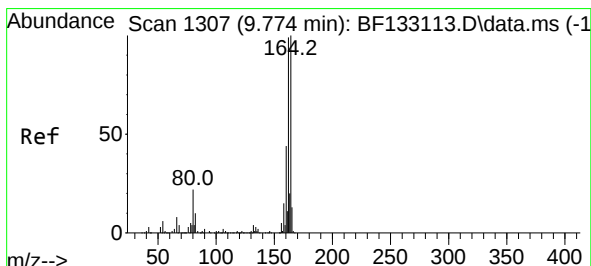
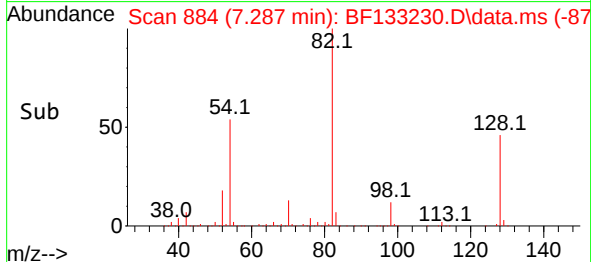
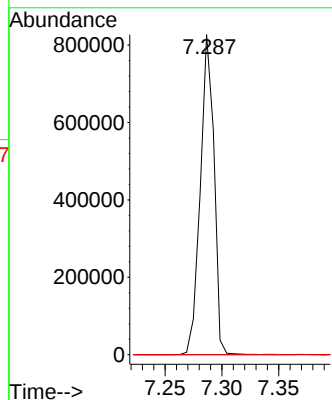
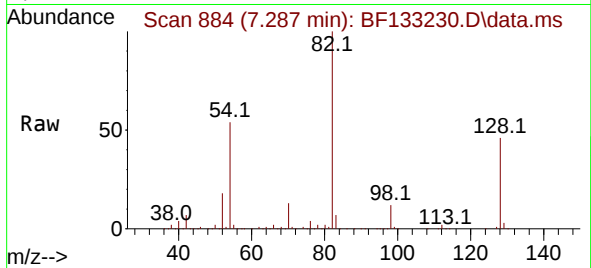




#25
Isophorone
Concen: 26.492 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

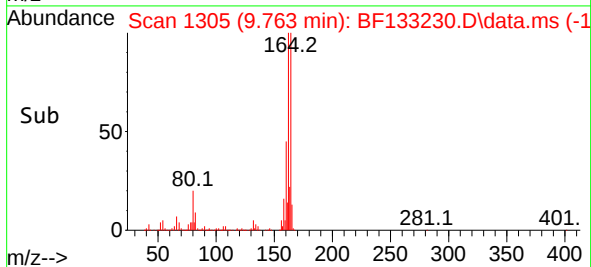
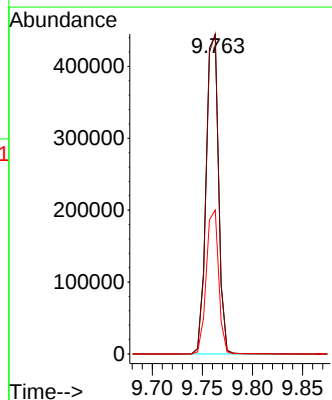
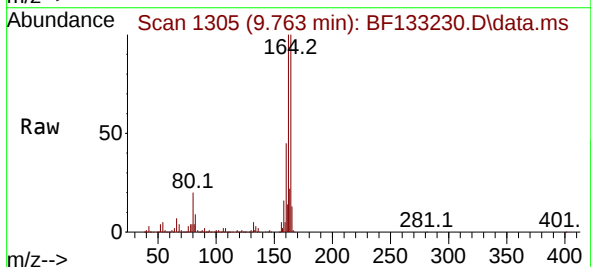
Instrument :
BNA_F
ClientSampleId :
RC-1

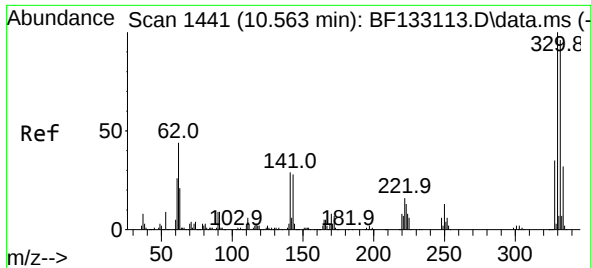
Tgt Ion: 82 Resp: 693492
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

Tgt Ion:164 Resp: 386644
Ion Ratio Lower Upper
164 100
162 100.3 78.7 118.1
160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 58.628 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

Instrument :

BNA_F

ClientSampleId :

RC-1

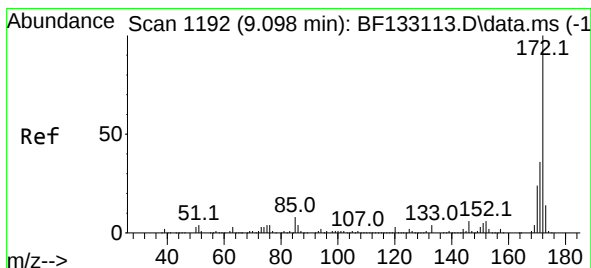
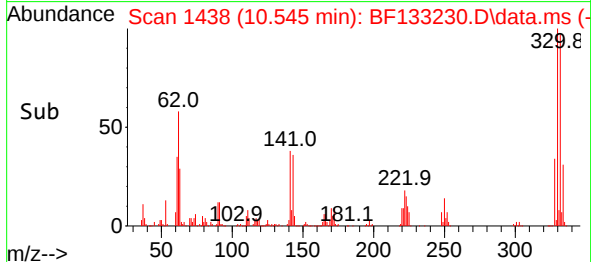
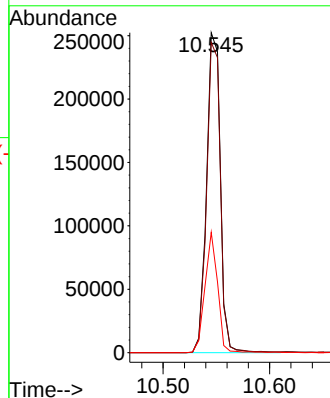
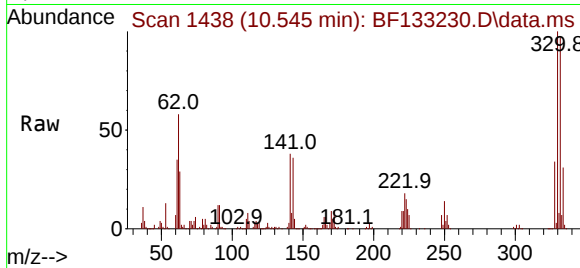
Tgt Ion:330 Resp: 227972

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 34.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 53.040 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

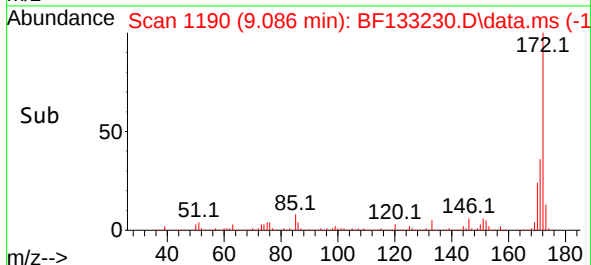
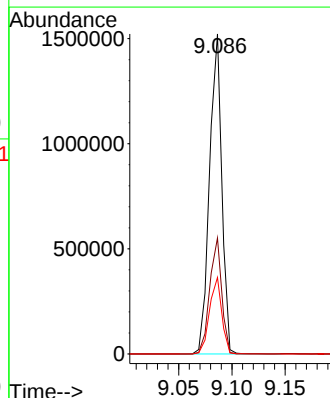
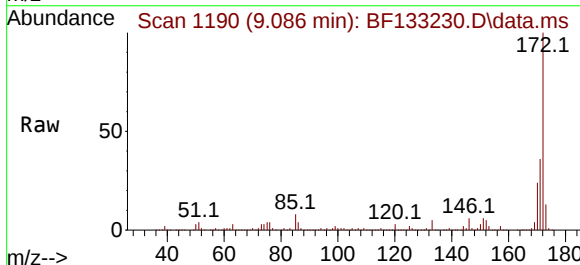
Tgt Ion:172 Resp: 1225803

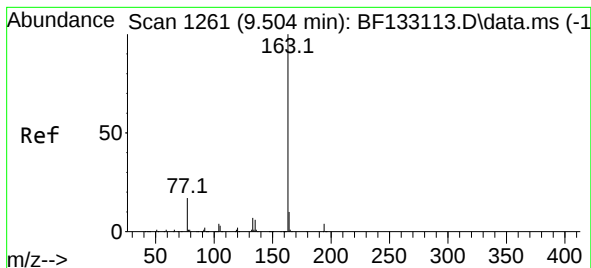
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.9 19.4 29.2





#50

Dimethylphthalate

Concen: 2.986 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.265 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

Instrument :

BNA_F

ClientSampleId :

RC-1

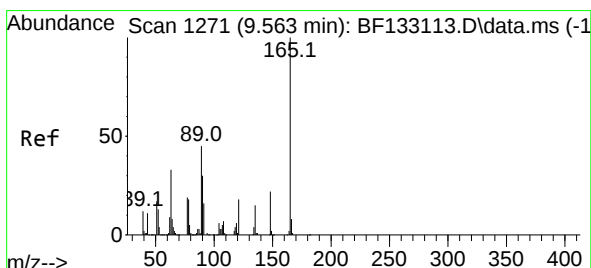
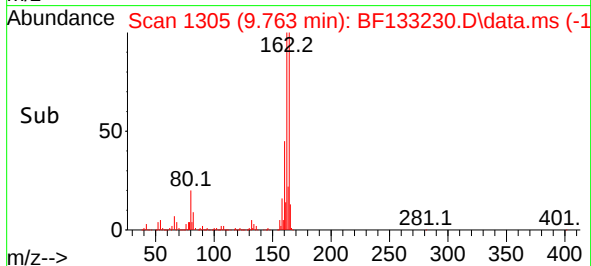
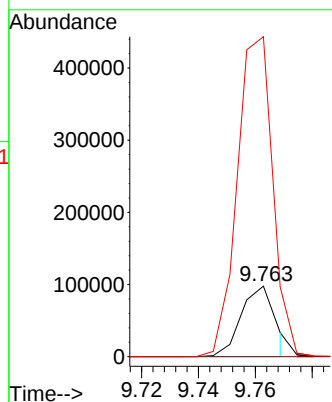
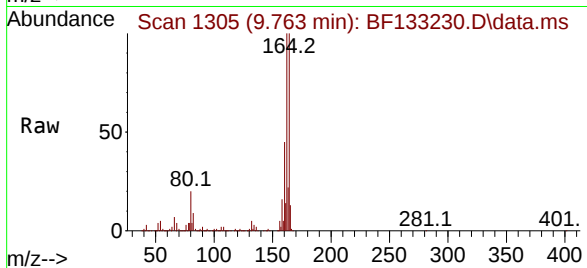
Tgt Ion:163 Resp: 80503

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 453.5 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 8.200 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.206 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

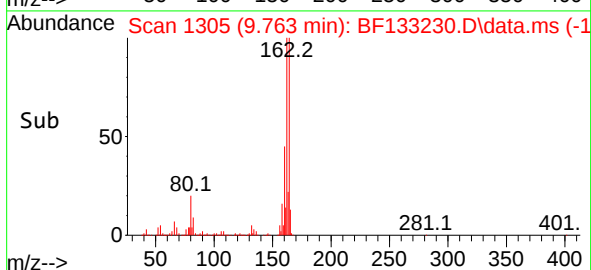
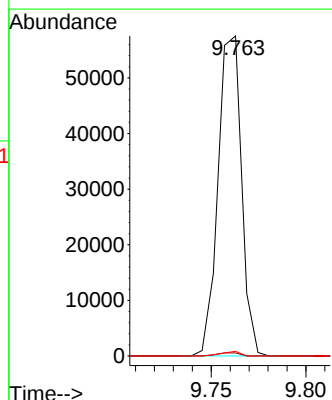
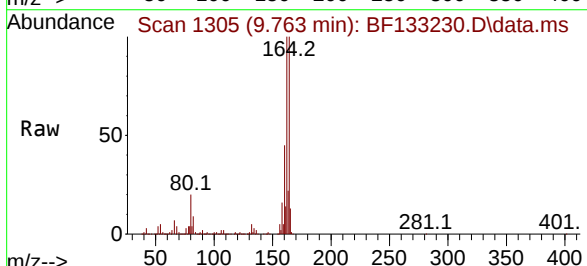
Tgt Ion:165 Resp: 49759

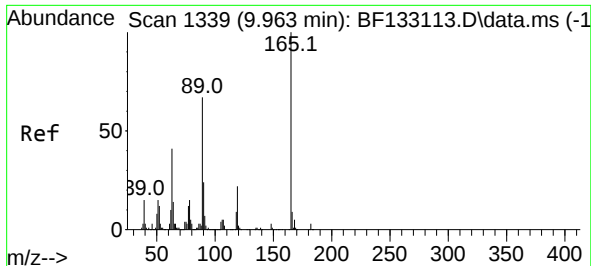
Ion Ratio Lower Upper

165 100

63 0.9 45.9 68.9#

89 1.5 44.0 66.0#

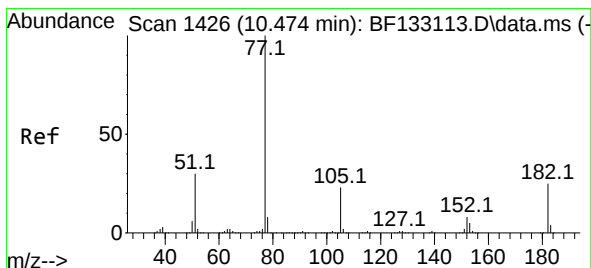
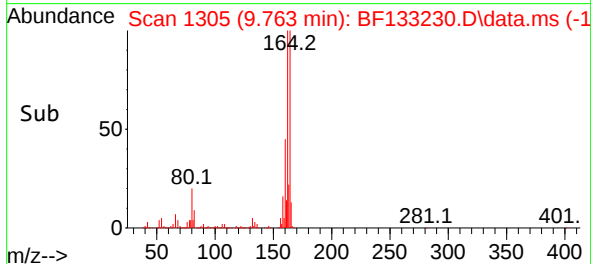
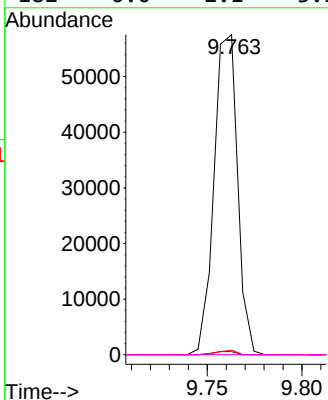
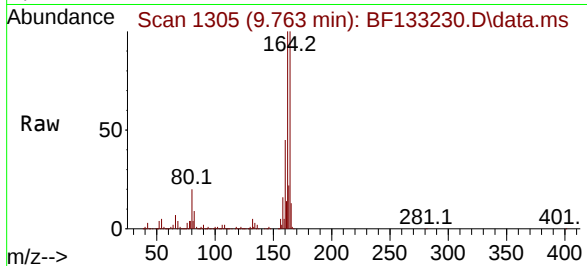




#57
2,4-Dinitrotoluene
Concen: 6.430 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

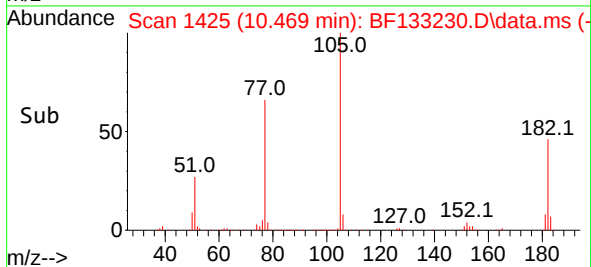
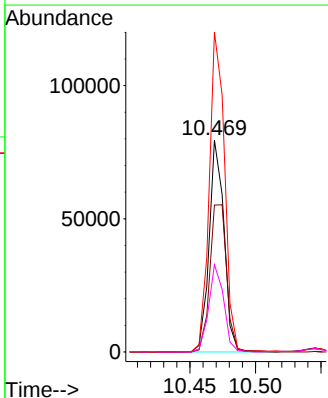
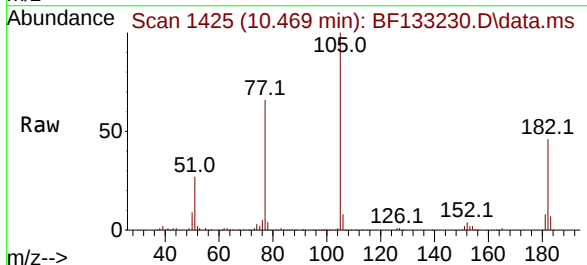
Instrument :
BNA_F
ClientSampleId :
RC-1

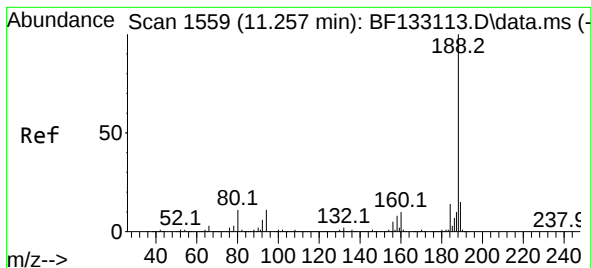
Tgt Ion:165 Resp: 49759
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.5 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.333 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF133230.D
Acq: 04 May 2023 14:46

Tgt Ion: 77 Resp: 62949
Ion Ratio Lower Upper
77 100
182 69.4 5.9 45.9#
105 151.0 2.3 42.3#
51 41.2 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

Instrument :

BNA_F

ClientSampleId :

RC-1

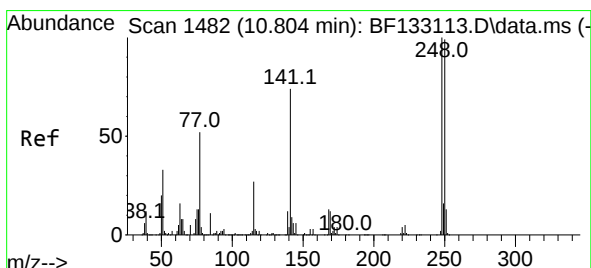
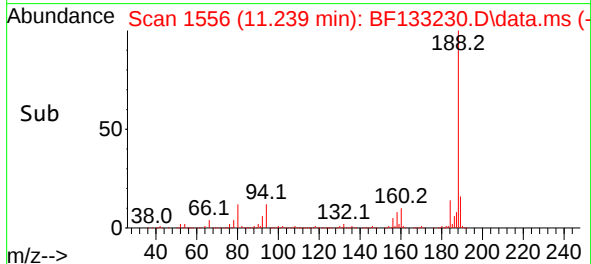
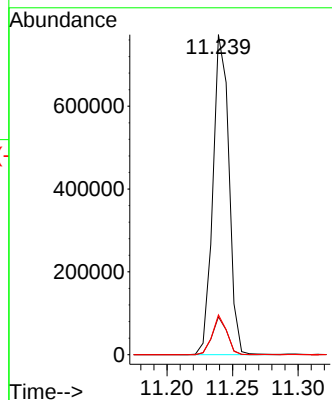
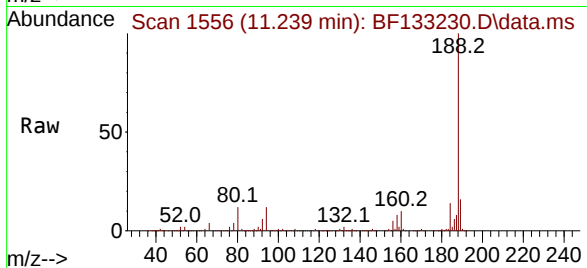
Tgt Ion:188 Resp: 657386

Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 12.5 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.100 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.253 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

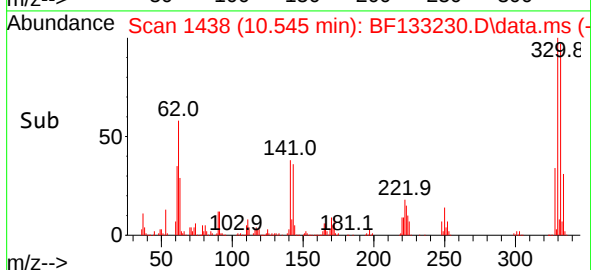
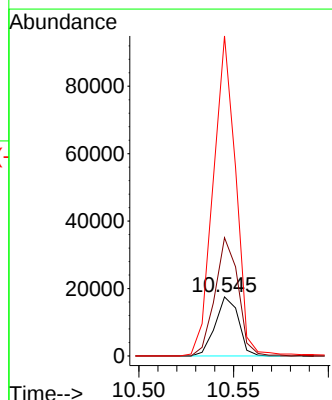
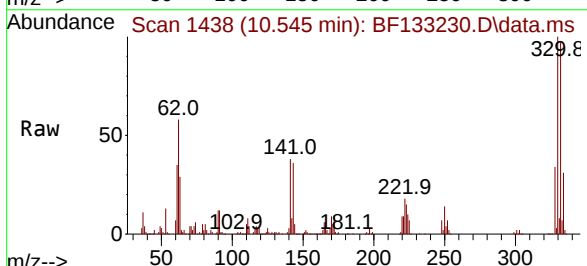
Tgt Ion:248 Resp: 14972

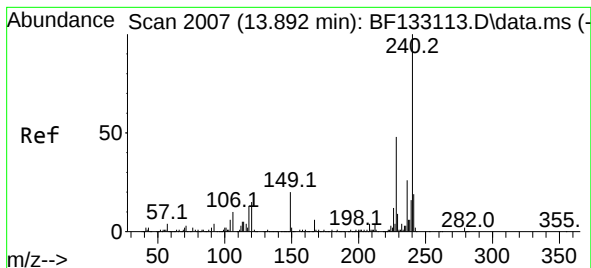
Ion Ratio Lower Upper

248 100

250 200.1 78.7 118.1#

141 541.8 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

Instrument :

BNA_F

ClientSampleId :

RC-1

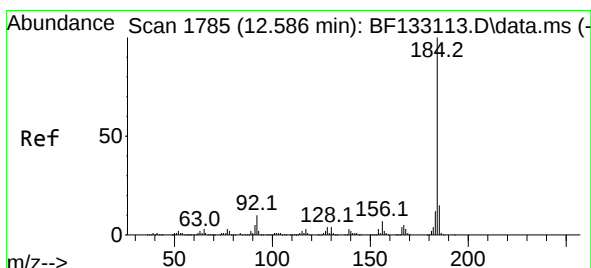
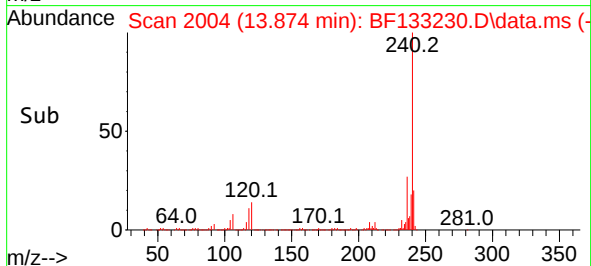
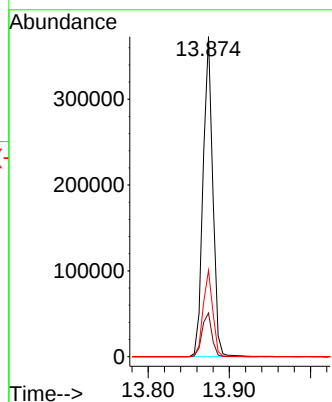
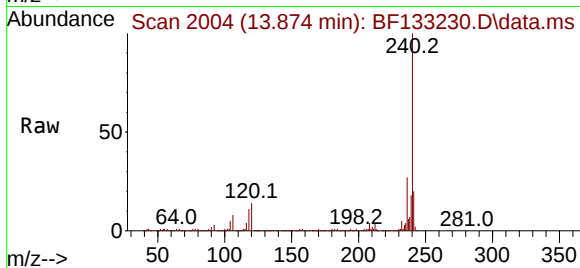
Tgt Ion:240 Resp: 310722

Ion Ratio Lower Upper

240 100

120 13.6 10.5 15.7

236 27.0 21.5 32.3



#77

Benzidine

Concen: 2.755 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133230.D

Acq: 04 May 2023 14:46

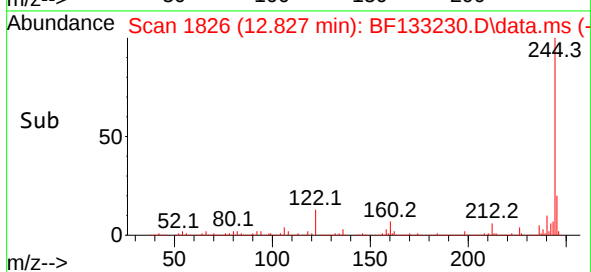
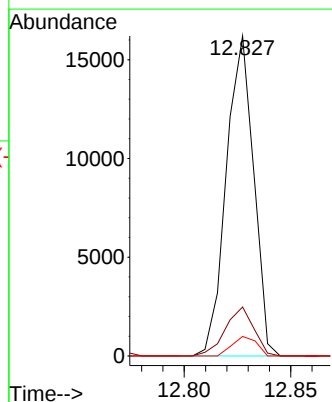
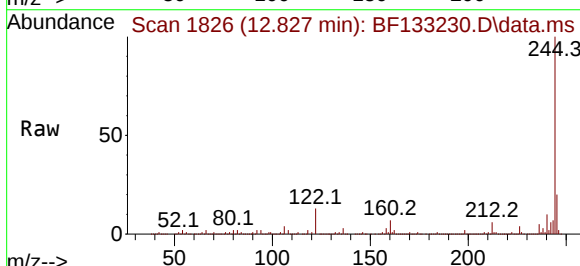
Tgt Ion:184 Resp: 14477

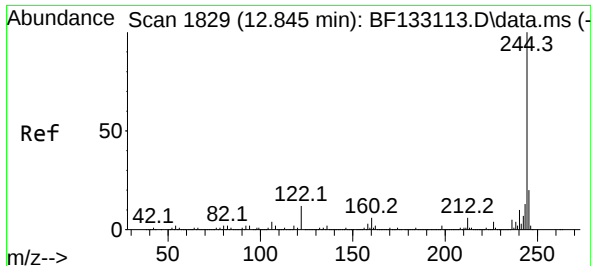
Ion Ratio Lower Upper

184 100

185 15.3 15.4 23.2#

183 6.1 9.4 14.0#

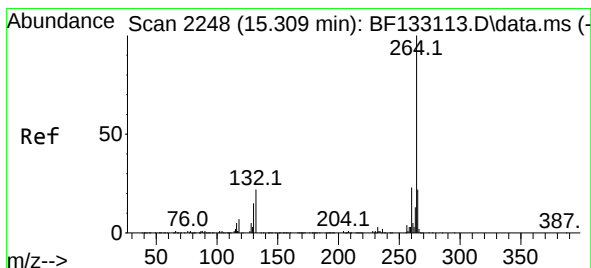
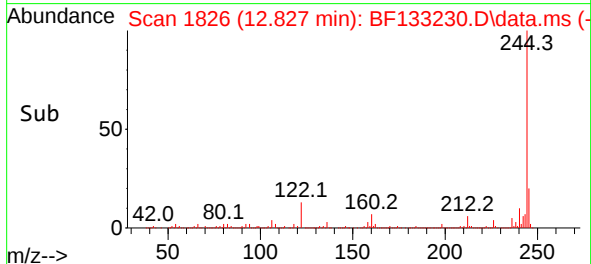
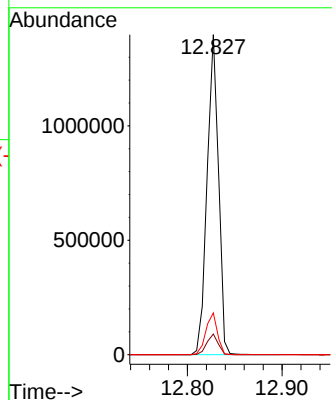
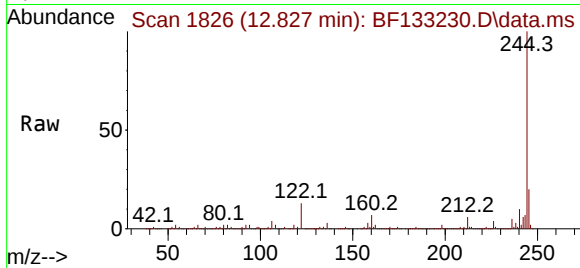




#79
 Terphenyl-d14
 Concen: 64.836 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133230.D
 Acq: 04 May 2023 14:46

Instrument :
 BNA_F
 ClientSampleId :
 RC-1

Tgt Ion:244 Resp: 1168109
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 13.1 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.006 min
 Lab File: BF133230.D
 Acq: 04 May 2023 14:46

Tgt Ion:264 Resp: 384581
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.5 17.0 25.4

