

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137253.D
 Acq On : 02 Feb 2024 12:46
 Operator : CG\JU
 Sample : P1311-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Feb 02 13:07:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

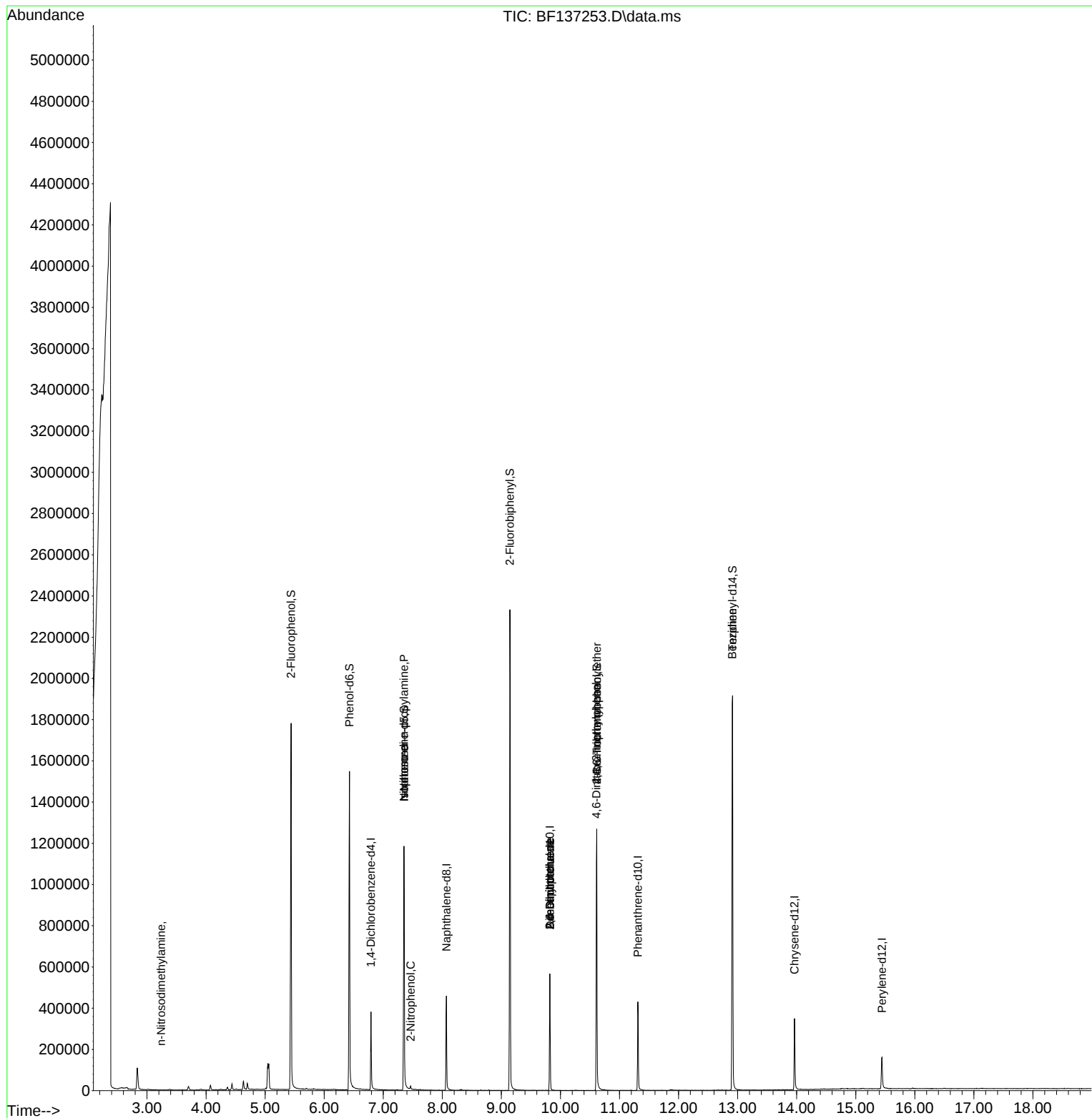
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	51438	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	199943	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	108993	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	171360	20.000	ng	0.00
76) Chrysene-d12	13.963	240	128427	20.000	ng	-0.01
86) Perylene-d12	15.445	264	85519	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	457771	146.849	ng	0.02
7) Phenol-d6	6.428	99	526174	118.276	ng	0.00
23) Nitrobenzene-d5	7.351	82	432359	96.815	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	160454	130.353	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	756341	95.393	ng	0.00
79) Terphenyl-d14	12.916	244	766901	81.179	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.240	42	323	6.226	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	57922	18.989	ng	# 76
25) Isophorone	7.351	82	432355	52.451	ng	# 67
26) 2-Nitrophenol	7.463	139	55	2.481	ng	# 28
50) Dimethylphthalate	9.822	163	19416	2.637	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	13463	8.574	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	13463	6.608	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.610	198	278	5.726	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	10343	5.489	ng	# 1
77) Benzidine	12.910	184	8868	3.856	ng	# 94

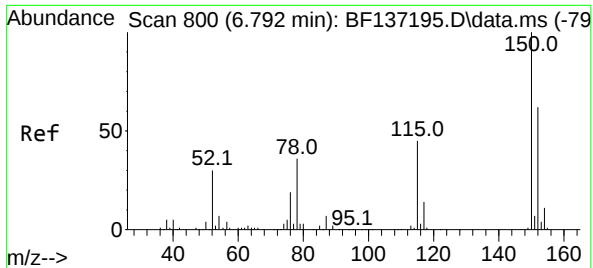
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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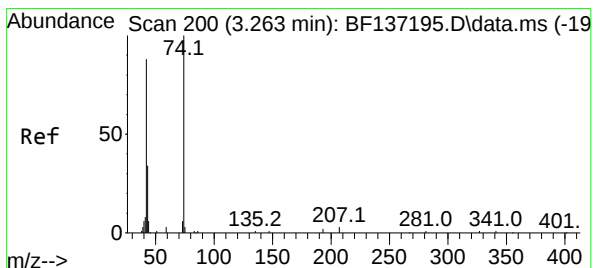
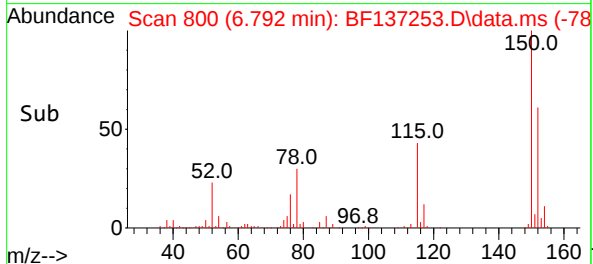
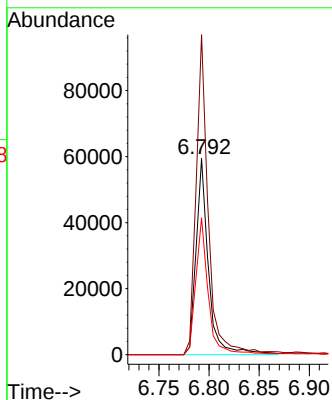
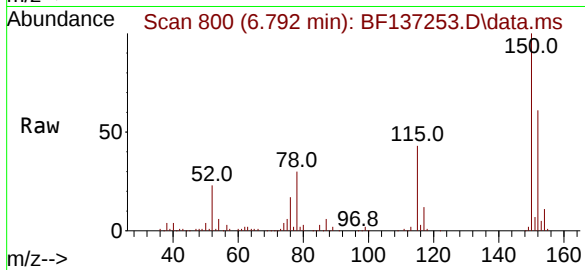




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

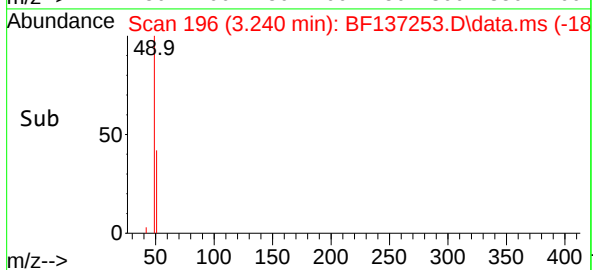
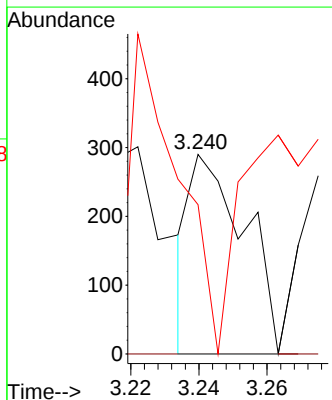
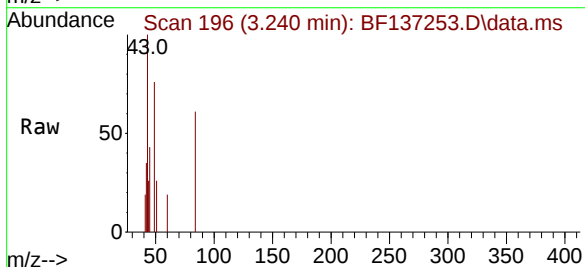
Instrument :
BNA_F
ClientSampleId :
TP-2

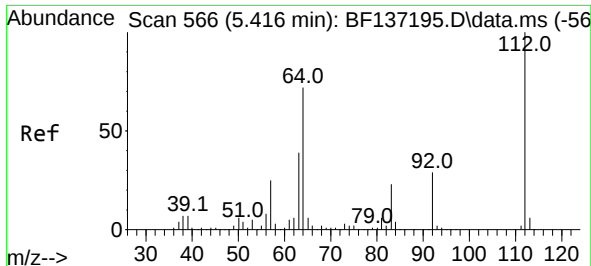
Tgt Ion:152 Resp: 51438
Ion Ratio Lower Upper
152 100
150 163.1 129.8 194.8
115 69.8 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.226 ng
RT: 3.240 min Scan# 196
Delta R.T. -0.023 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 74.8 6.1 9.1#

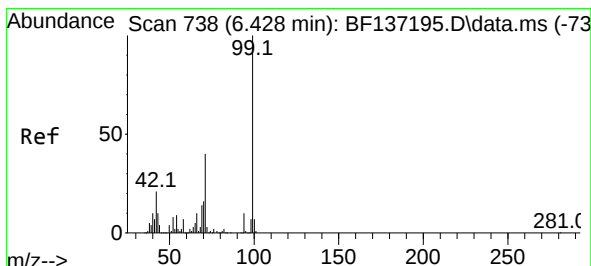
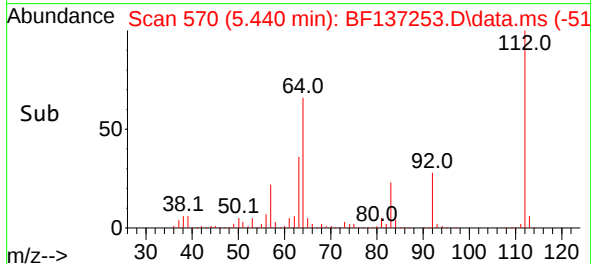
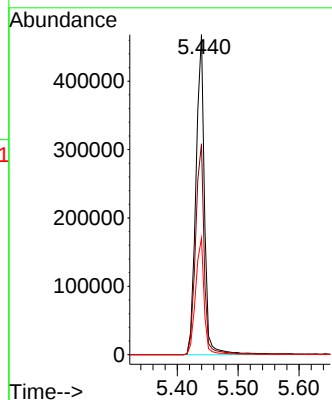
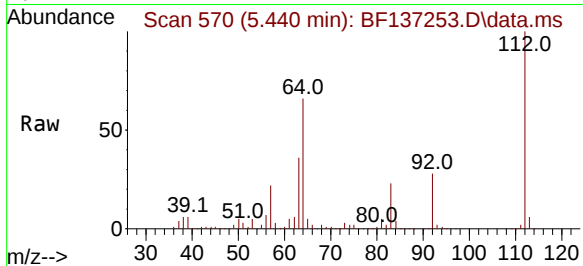




#5
2-Fluorophenol
Concen: 146.849 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

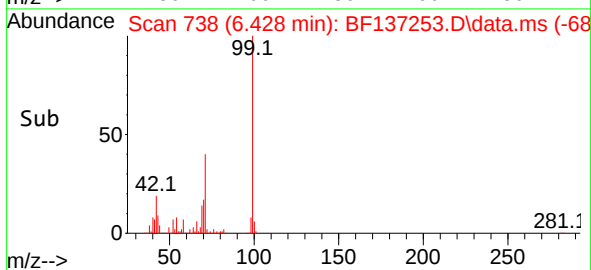
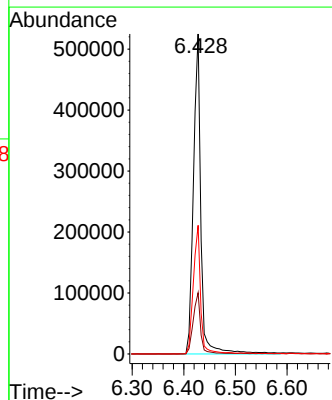
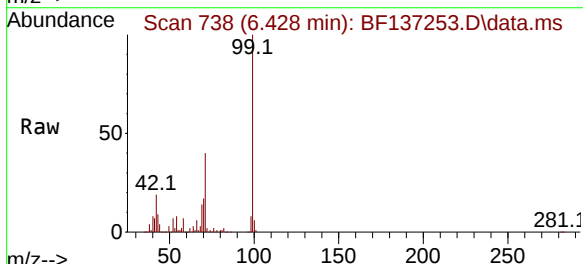
Instrument :
BNA_F
ClientSampleId :
TP-2

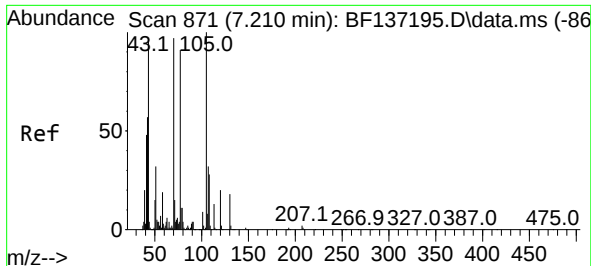
Tgt Ion:112 Resp: 457771
Ion Ratio Lower Upper
112 100
64 65.9 57.8 86.6
63 36.4 31.4 47.0



#7
Phenol-d6
Concen: 118.276 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion: 99 Resp: 526174
Ion Ratio Lower Upper
99 100
42 19.2 16.4 24.6
71 40.2 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 18.989 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.141 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 70 Resp: 57922

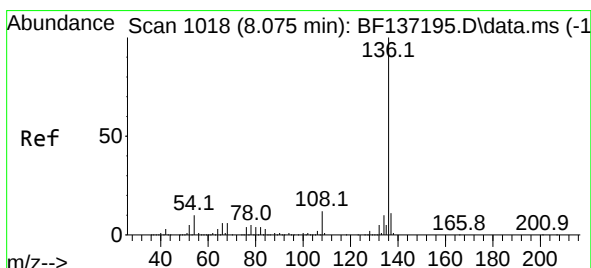
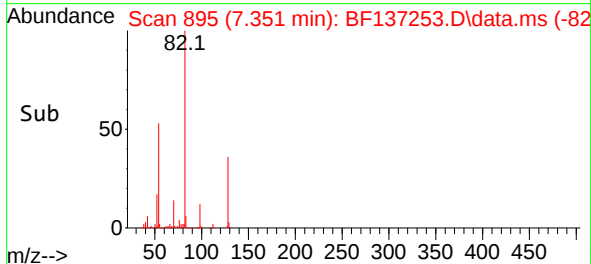
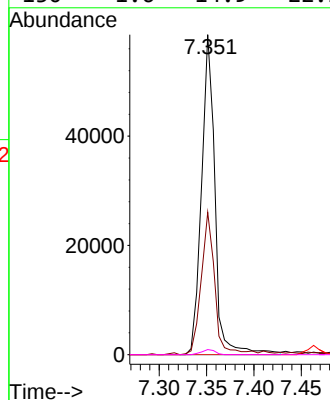
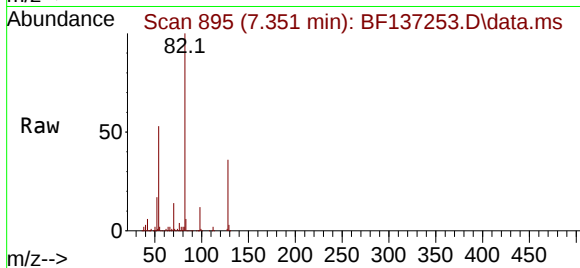
Ion Ratio Lower Upper

70 100

42 44.5 47.2 70.8#

101 0.0 7.4 11.0#

130 1.6 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

Tgt Ion: 136 Resp: 199943

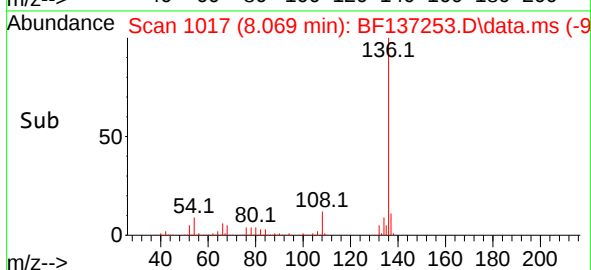
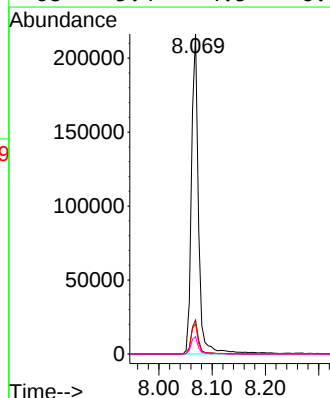
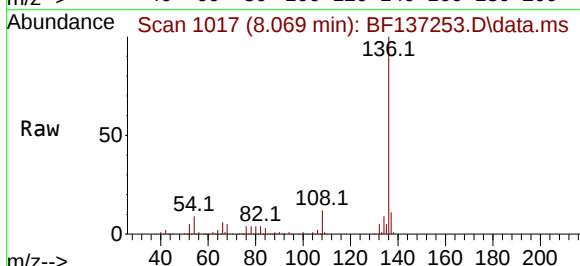
Ion Ratio Lower Upper

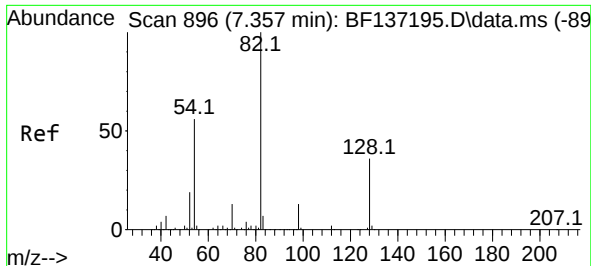
136 100

137 10.6 8.9 13.3

54 9.4 7.8 11.8

68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 96.815 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

Instrument :

BNA_F

ClientSampleId :

TP-2

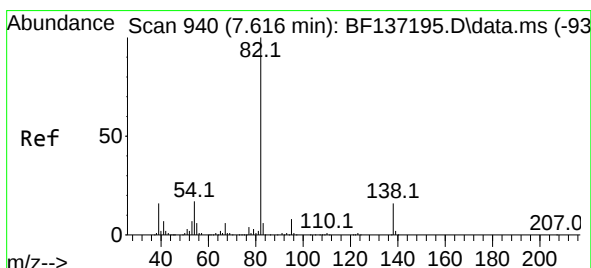
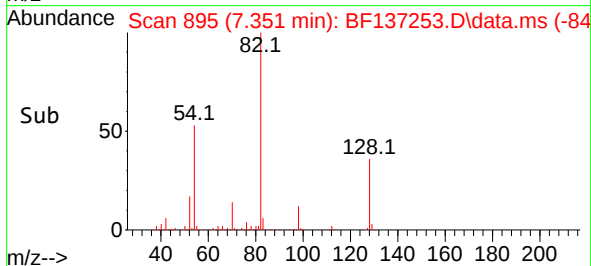
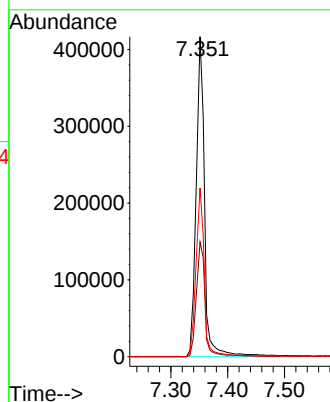
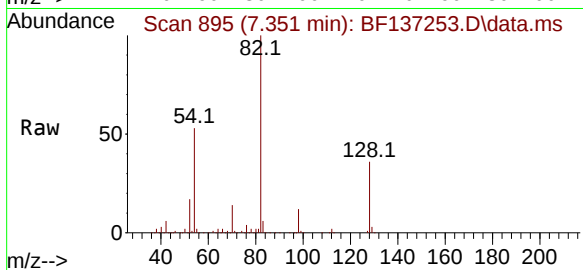
Tgt Ion: 82 Resp: 432359

Ion Ratio Lower Upper

82 100

128 35.8 29.1 43.7

54 52.7 45.0 67.6



#25

Isophorone

Concen: 52.451 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

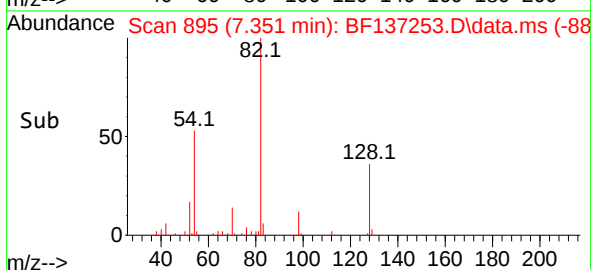
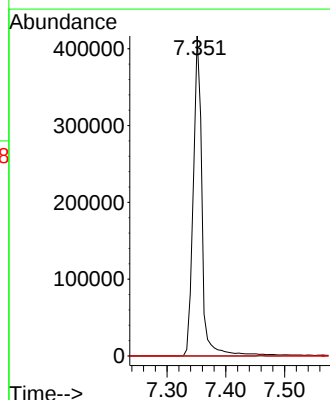
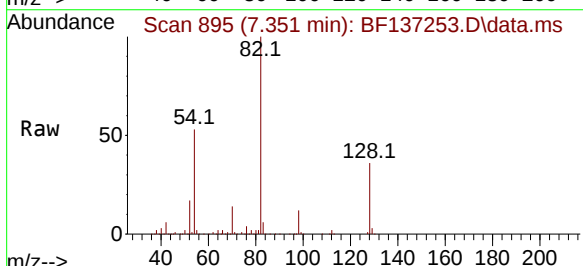
Tgt Ion: 82 Resp: 432355

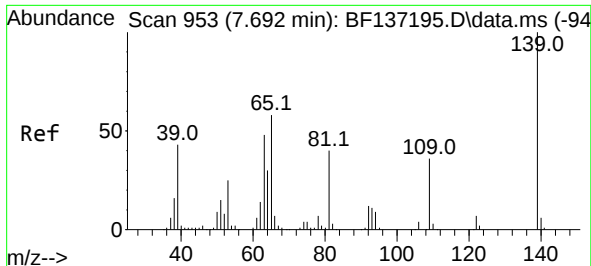
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

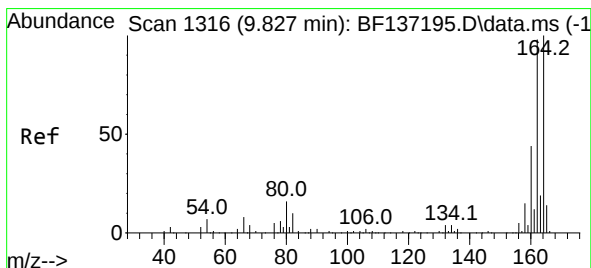
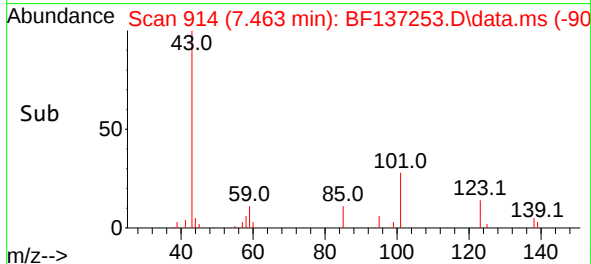
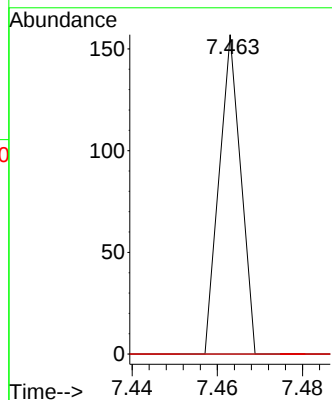
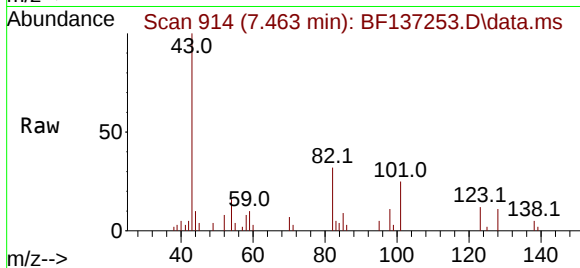




#26
2-Nitrophenol
Concen: 2.481 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.229 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

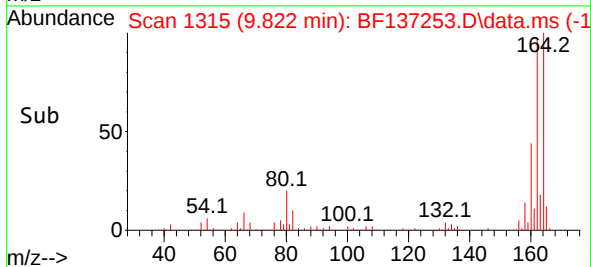
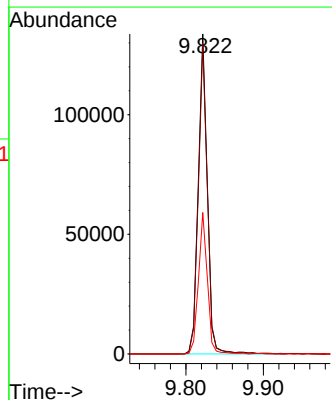
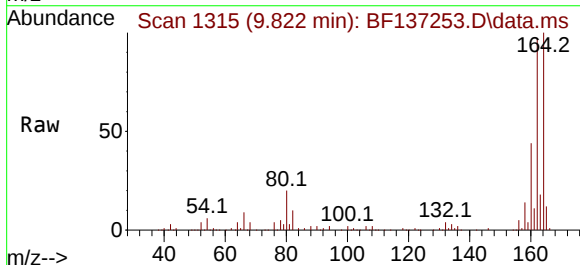
Instrument :
BNA_F
ClientSampleId :
TP-2

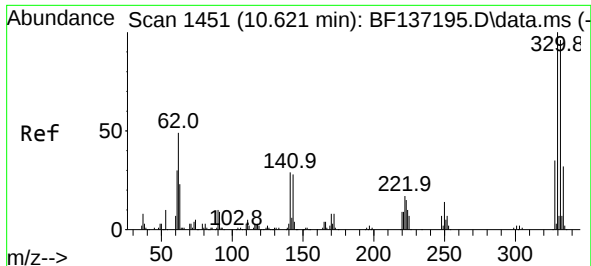
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 28.5 42.7#
65 0.0 46.7 70.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion:164 Resp: 108993
Ion Ratio Lower Upper
164 100
162 97.0 78.3 117.5
160 44.2 35.4 53.2

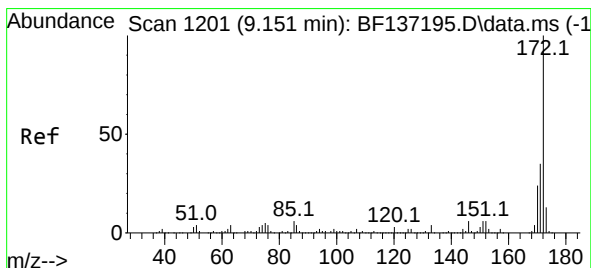
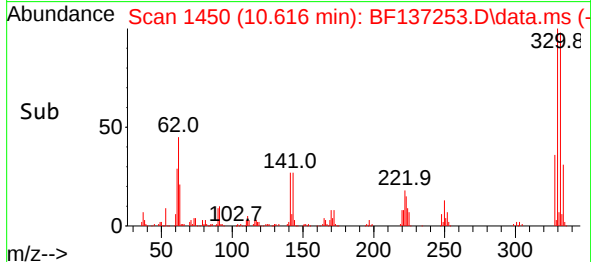
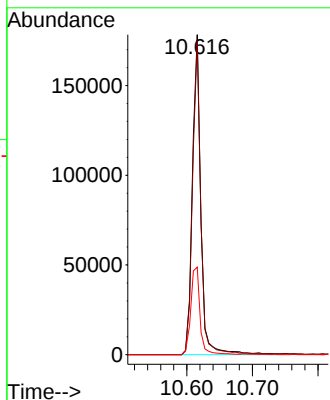
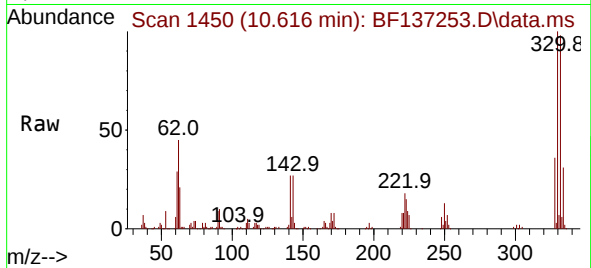




#42
2,4,6-Tribromophenol
Concen: 130.353 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

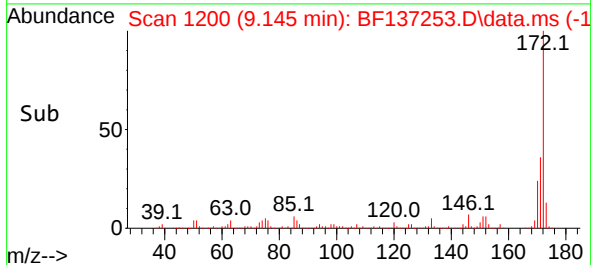
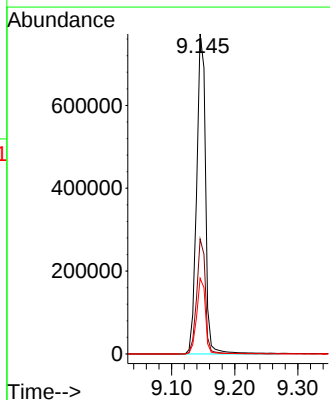
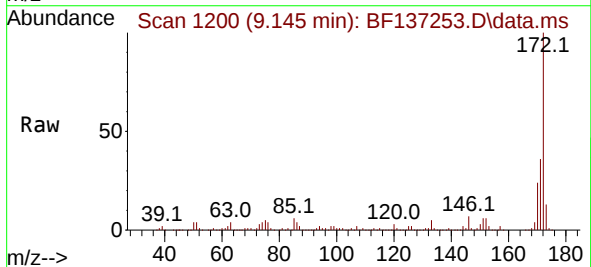
Instrument :
BNA_F
ClientSampleId :
TP-2

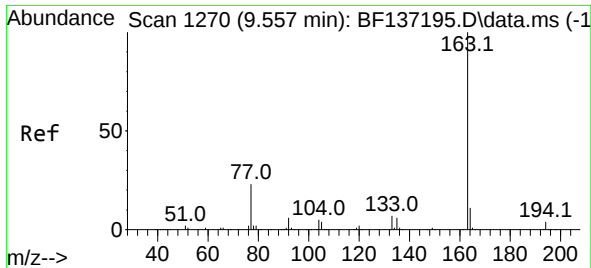
Tgt Ion:330 Resp: 160454
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 30.0 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 95.393 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion:172 Resp: 756341
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.6 19.1 28.7

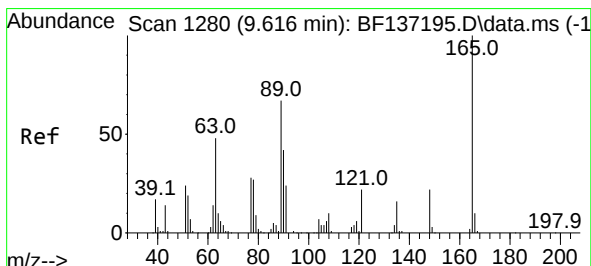
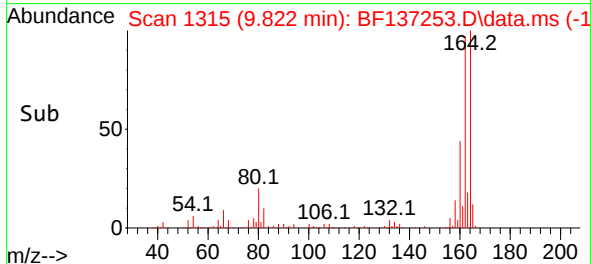
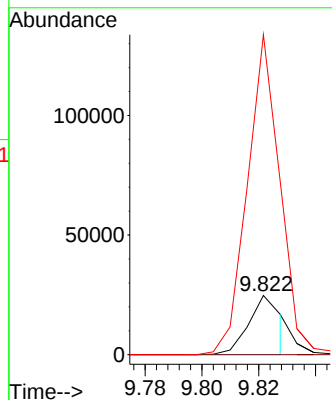
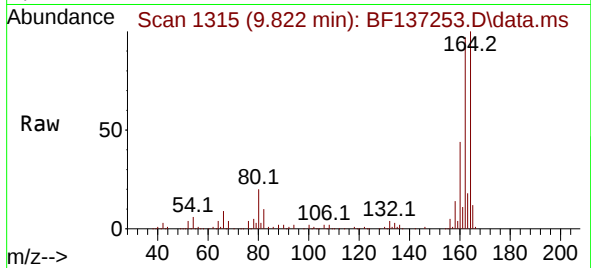




#50
Dimethylphthalate
Concen: 2.637 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

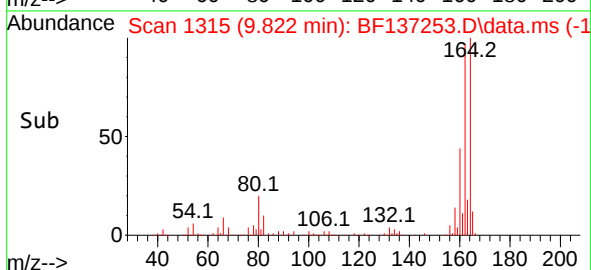
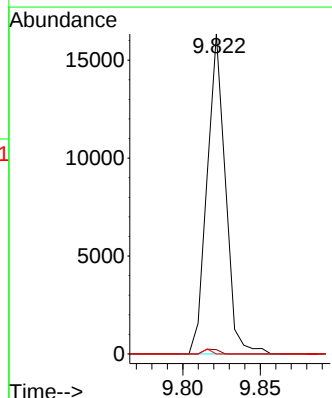
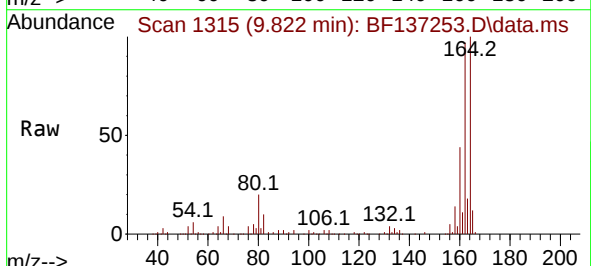
Instrument :
BNA_F
ClientSampleId :
TP-2

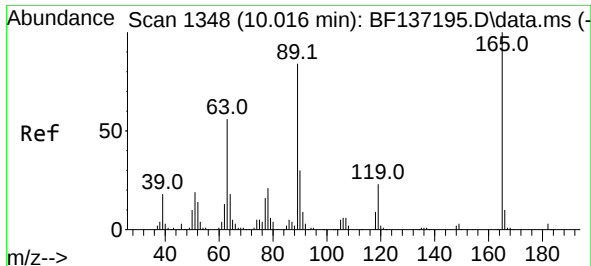
Tgt Ion:163 Resp: 19416
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 540.8 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 8.574 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion:165 Resp: 13463
Ion Ratio Lower Upper
165 100
63 1.4 55.1 82.7#
89 0.0 53.5 80.3#

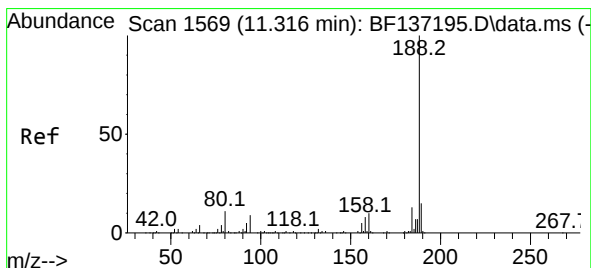
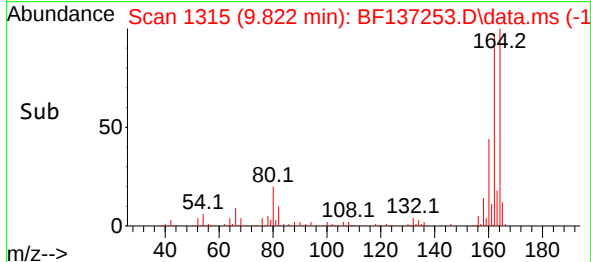
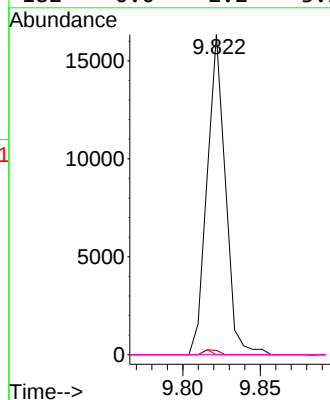
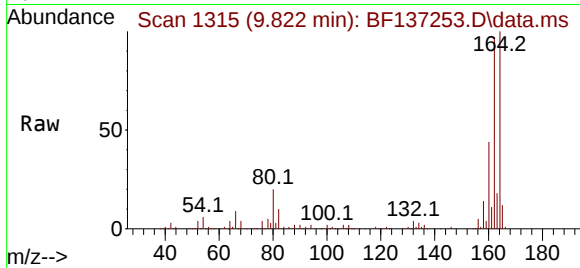




#57
2,4-Dinitrotoluene
Concen: 6.608 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

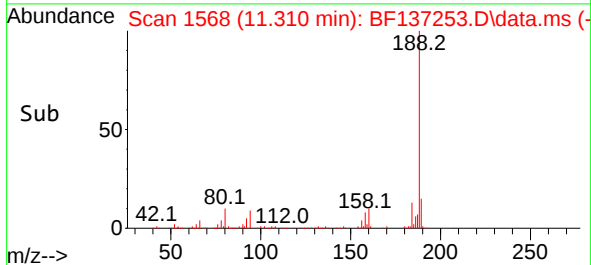
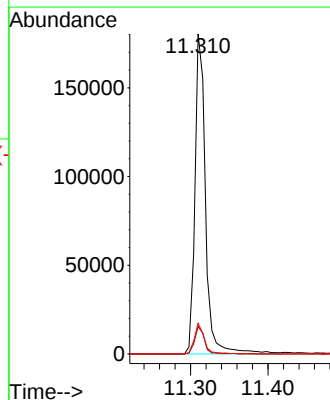
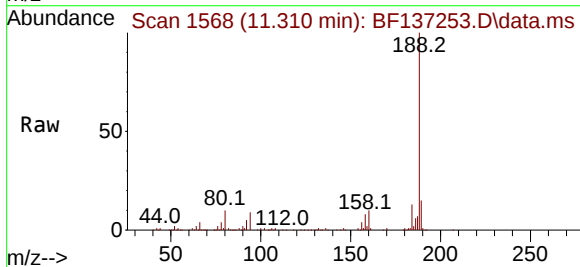
Instrument :
BNA_F
ClientSampleId :
TP-2

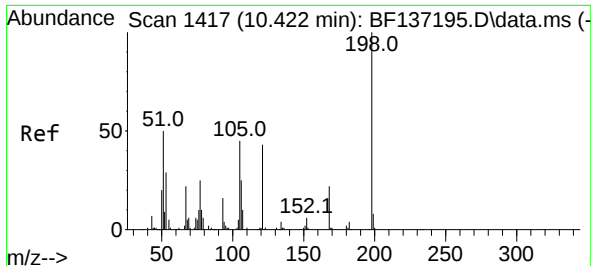
Tgt Ion:165 Resp: 13463
Ion Ratio Lower Upper
165 100
63 1.4 46.1 69.1#
89 0.0 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion:188 Resp: 171360
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.6 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.726 ng

RT: 10.610 min Scan# 1417

Delta R.T. 0.188 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

Instrument :

BNA_F

ClientSampleId :

TP-2

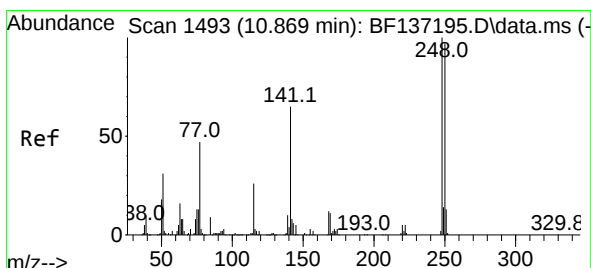
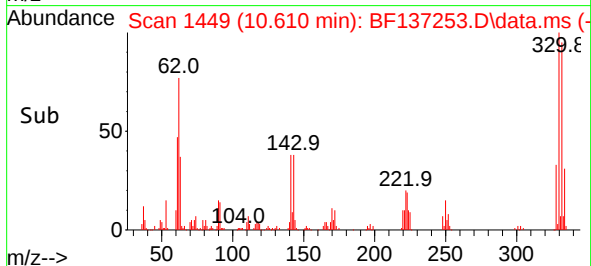
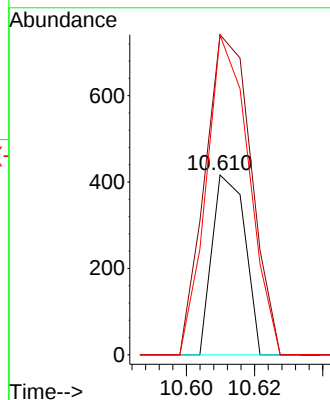
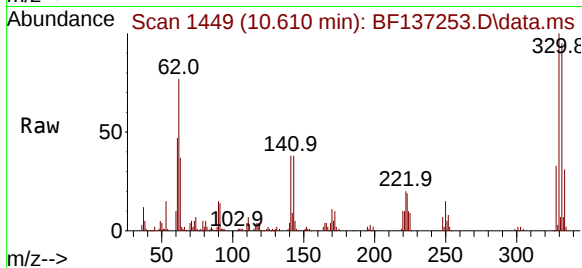
Tgt Ion:198 Resp: 278

Ion Ratio Lower Upper

198 100

51 178.1 40.9 80.9#

105 177.9 26.5 66.5#



#67

4-Bromophenyl-phenylether

Concen: 5.489 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

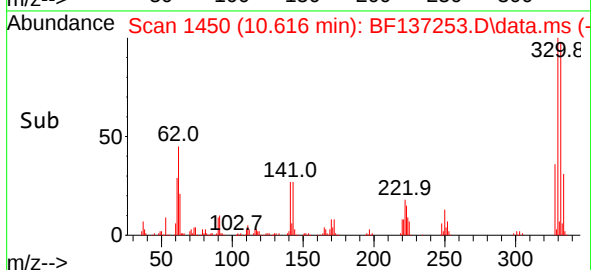
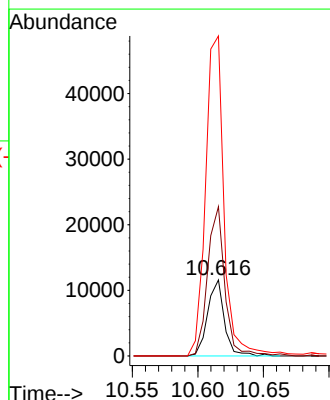
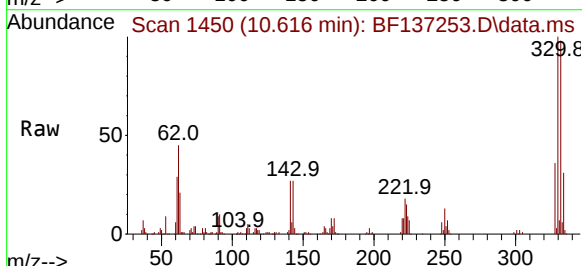
Tgt Ion:248 Resp: 10343

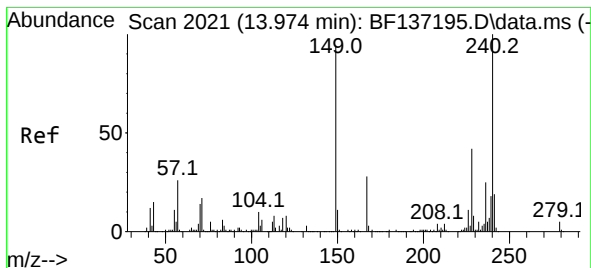
Ion Ratio Lower Upper

248 100

250 196.4 77.7 116.5#

141 420.9 51.6 77.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

Instrument :

BNA_F

ClientSampleId :

TP-2

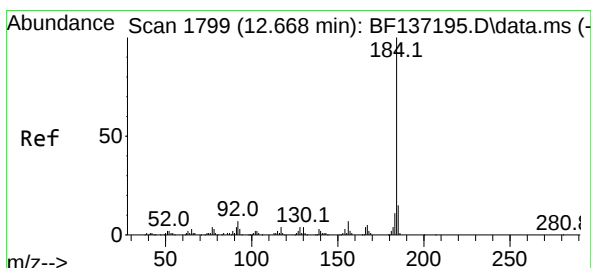
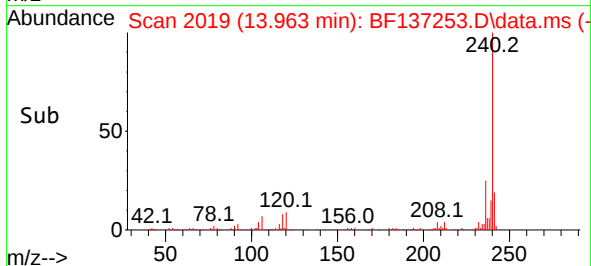
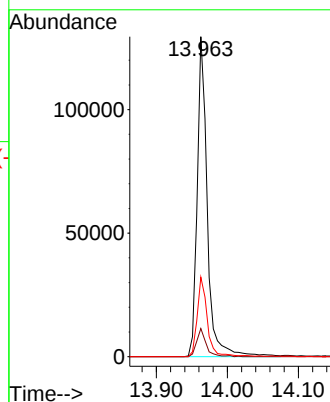
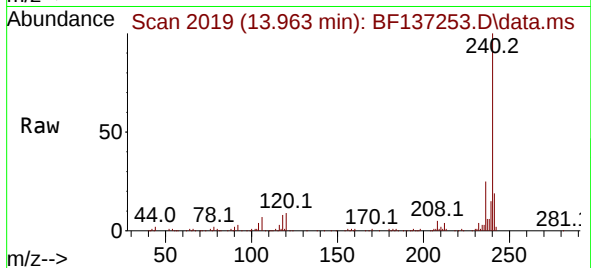
Tgt Ion:240 Resp: 128427

Ion Ratio Lower Upper

240 100

120 8.8 6.3 9.5

236 24.8 20.3 30.5



#77

Benzidine

Concen: 3.856 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.242 min

Lab File: BF137253.D

Acq: 02 Feb 2024 12:46

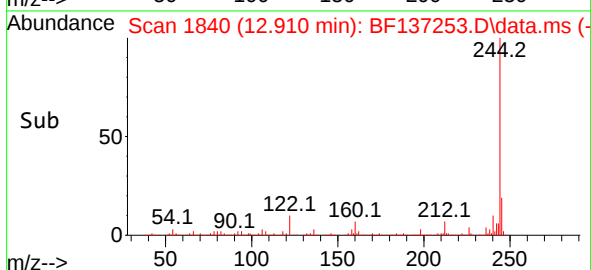
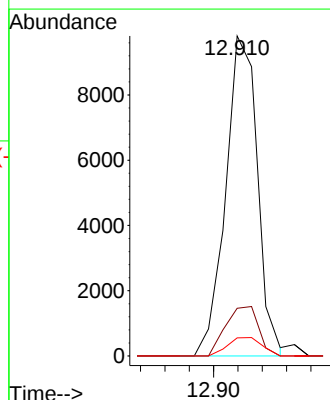
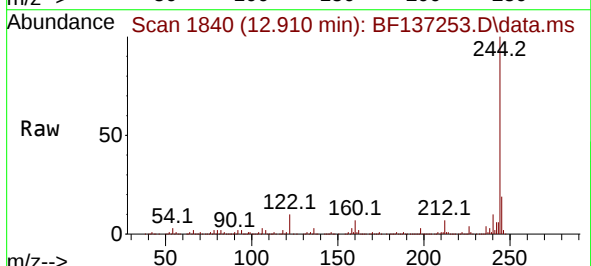
Tgt Ion:184 Resp: 8868

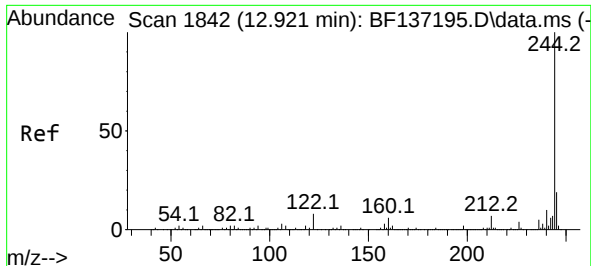
Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

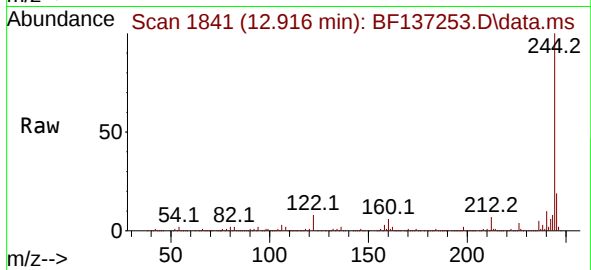
183 5.7 8.8 13.2#



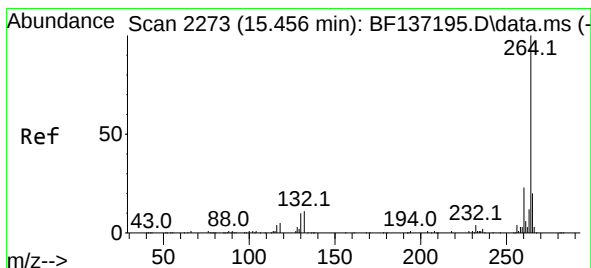
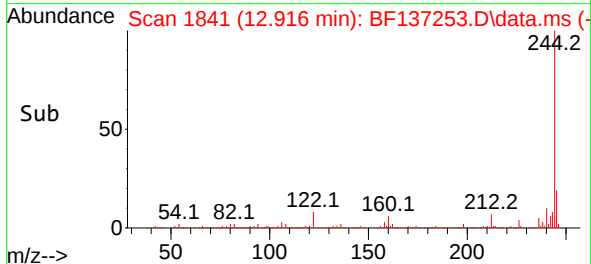
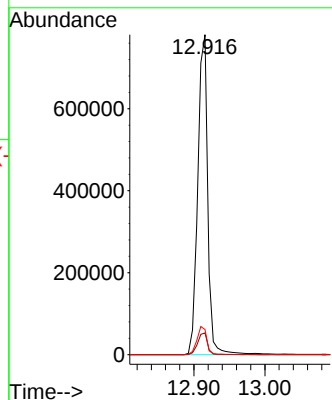


#79
Terphenyl-d14
Concen: 81.179 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:244 Resp: 766901
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 7.9 6.2 9.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF137253.D
Acq: 02 Feb 2024 12:46

Tgt Ion:264 Resp: 85519
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.4
265 19.3 16.2 24.2

