

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137256.D
 Acq On : 02 Feb 2024 15:47
 Operator : CG\JU
 Sample : P1337-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Feb 02 16:06:55 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)

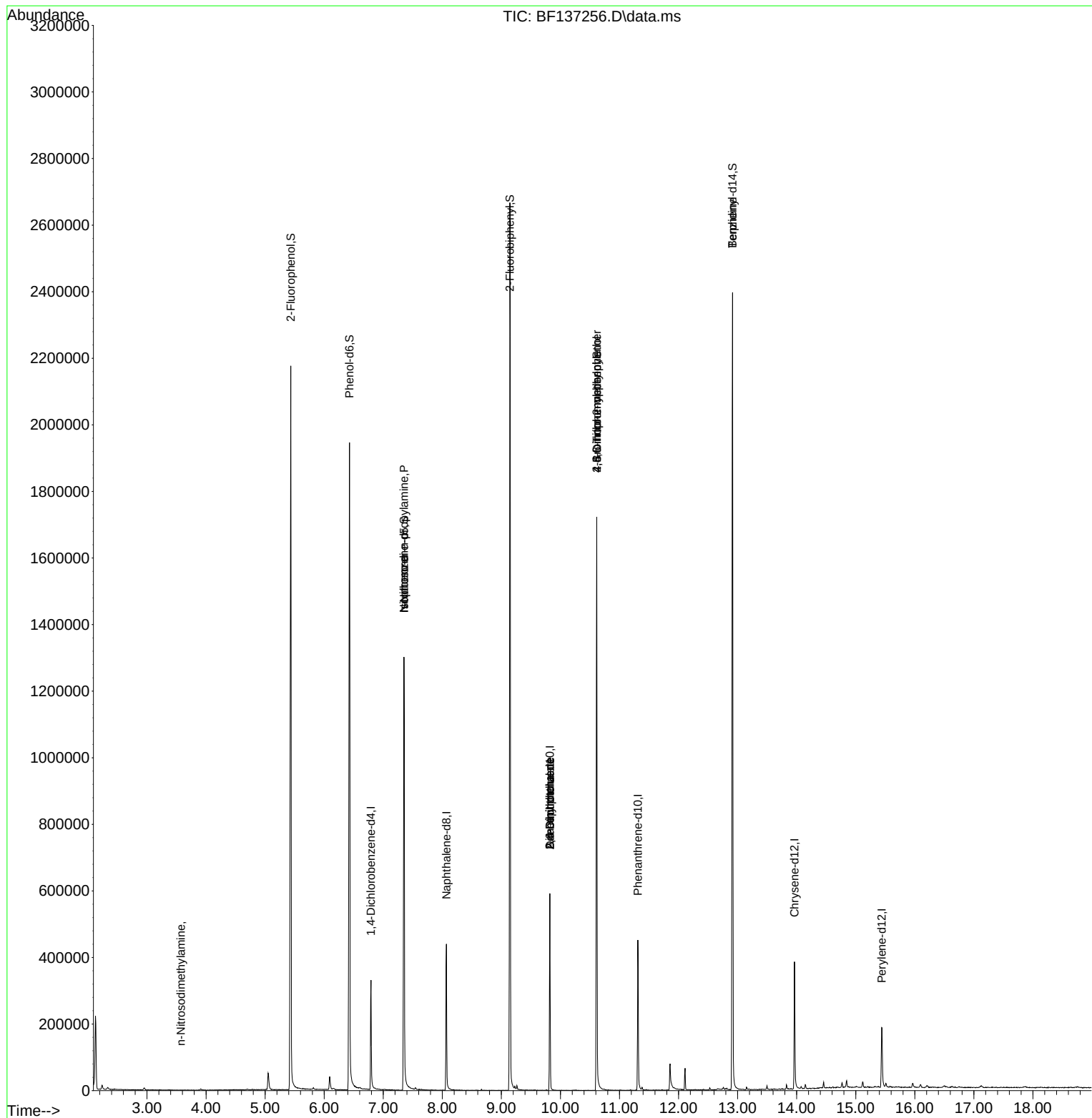
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	51407	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	199887	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	110241	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	184035	20.000	ng	0.00
76) Chrysene-d12	13.963	240	139962	20.000	ng	-0.01
86) Perylene-d12	15.439	264	103373	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	597230	191.701	ng	0.02
7) Phenol-d6	6.428	99	775792	174.491	ng	0.00
23) Nitrobenzene-d5	7.351	82	511407	114.547	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	212021	170.297	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	887955	110.725	ng	0.00
79) Terphenyl-d14	12.916	244	889182	86.366	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.575	42	58	6.090	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	68810	22.572	ng	# 77
25) Isophorone	7.351	82	511403	62.058	ng	# 67
50) Dimethylphthalate	9.822	163	20279	2.723	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	14449	9.098	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	14449	7.012	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	436	5.851	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	14058	6.947	ng	# 1
77) Benzidine	12.916	184	10881	4.342	ng	# 92

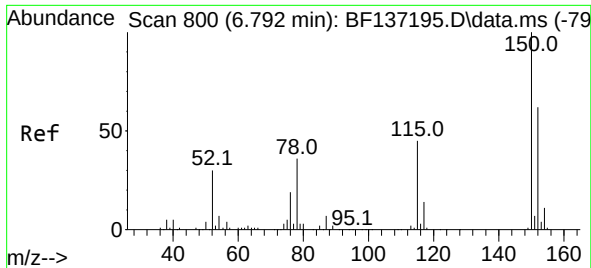
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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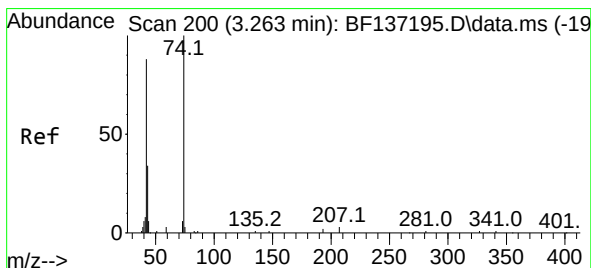
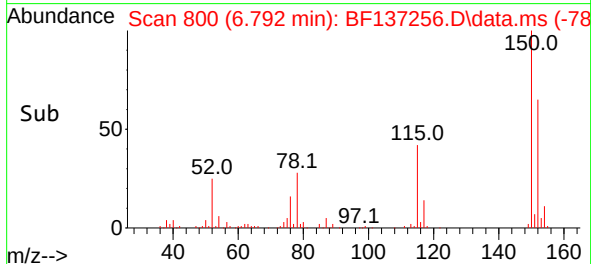
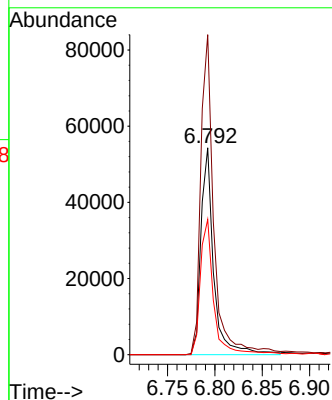
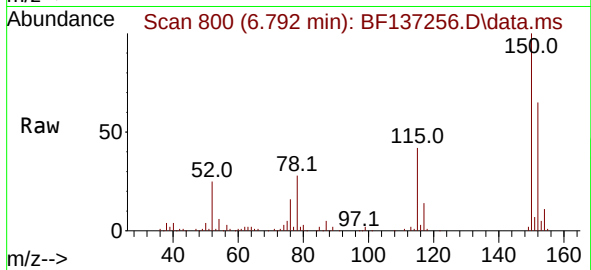




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF137256.D
 Acq: 02 Feb 2024 15:47

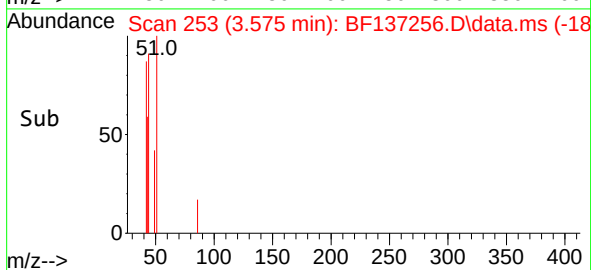
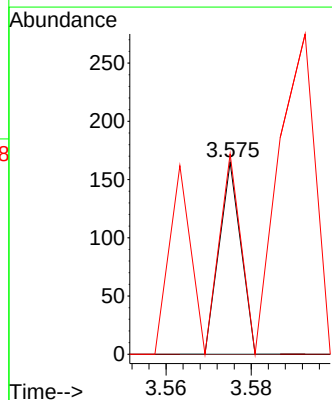
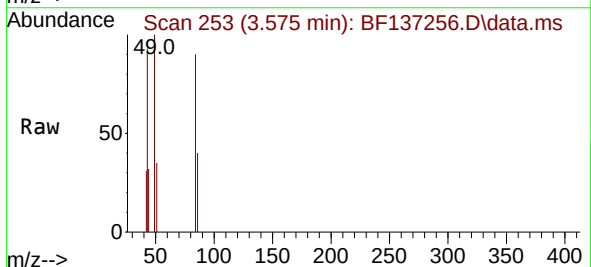
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

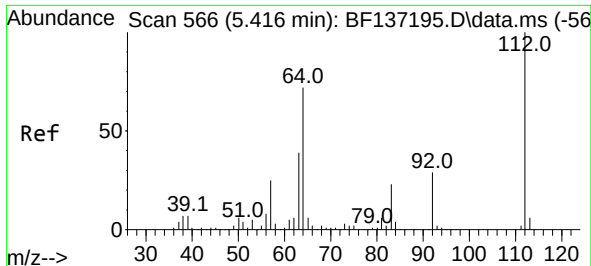
Tgt Ion:152 Resp: 51407
 Ion Ratio Lower Upper
 152 100
 150 154.7 129.8 194.8
 115 65.3 58.5 87.7



#4
 n-Nitrosodimethylamine
 Concen: 6.090 ng
 RT: 3.575 min Scan# 253
 Delta R.T. 0.312 min
 Lab File: BF137256.D
 Acq: 02 Feb 2024 15:47

Tgt Ion: 42 Resp: 58
 Ion Ratio Lower Upper
 42 100
 74 0.0 90.5 135.7#
 44 104.2 6.1 9.1#

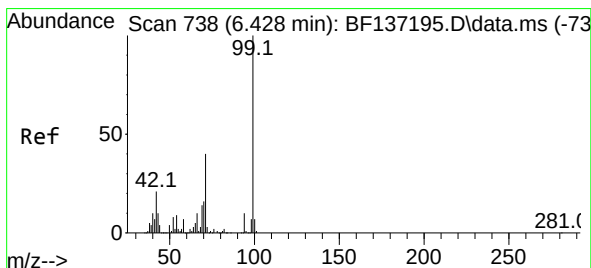
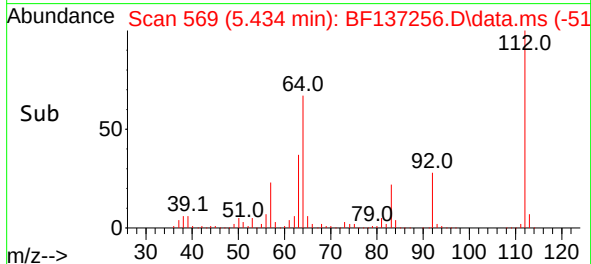
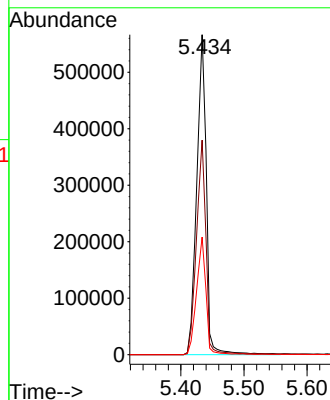
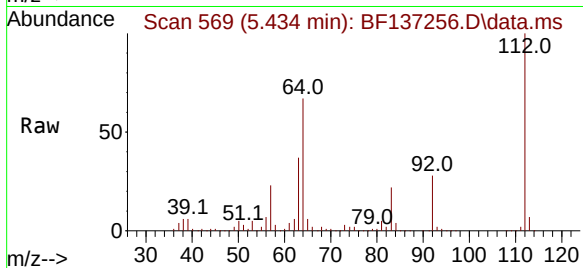




#5
2-Fluorophenol
Concen: 191.701 ng
RT: 5.434 min Scan# 509
Delta R.T. 0.018 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

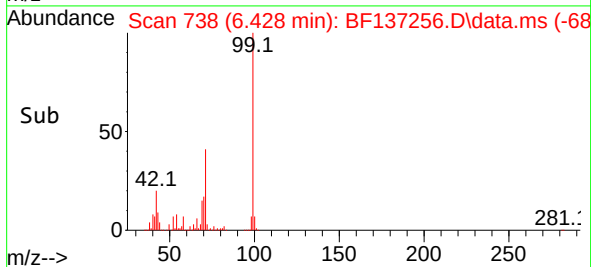
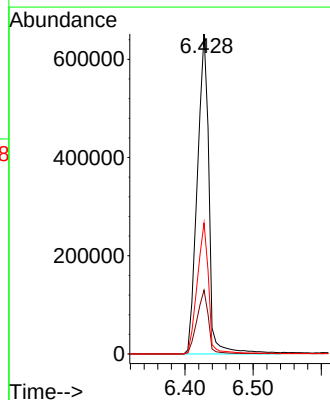
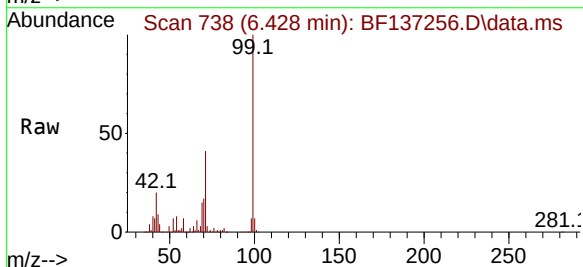
Instrument :
BNA_F
ClientSampleId :
TP-3

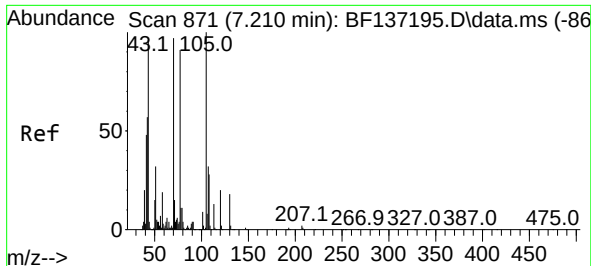
Tgt Ion:112 Resp: 597230
Ion Ratio Lower Upper
112 100
64 67.0 57.8 86.6
63 36.8 31.4 47.0



#7
Phenol-d6
Concen: 174.491 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

Tgt Ion: 99 Resp: 775792
Ion Ratio Lower Upper
99 100
42 19.9 16.4 24.6
71 41.0 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 22.572 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.141 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 70 Resp: 68810

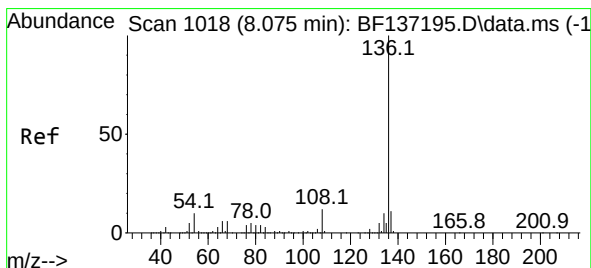
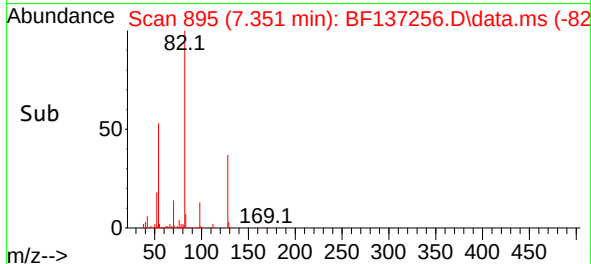
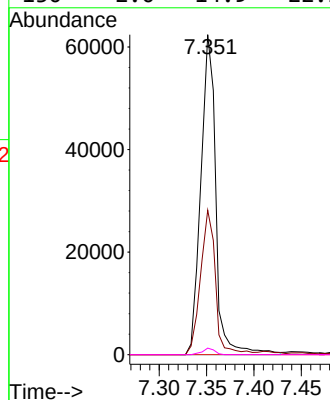
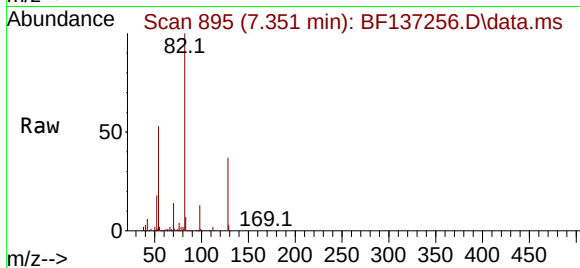
Ion Ratio Lower Upper

70 100

42 45.2 47.2 70.8#

101 0.0 7.4 11.0#

130 2.0 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: BF137256.D

Acq: 02 Feb 2024 15:47

Tgt Ion:136 Resp: 199887

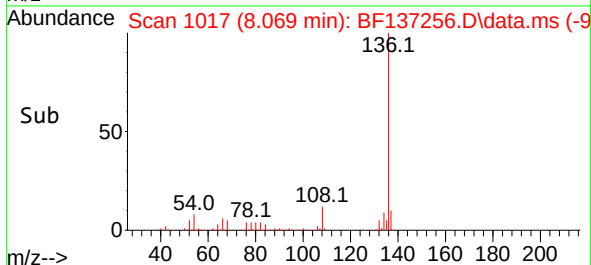
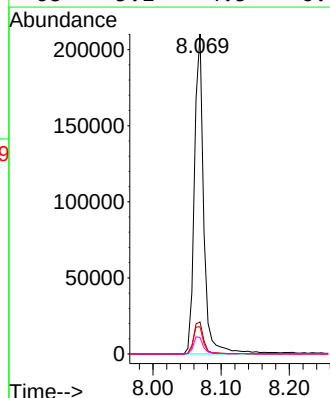
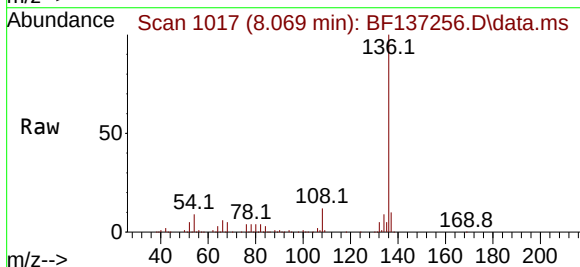
Ion Ratio Lower Upper

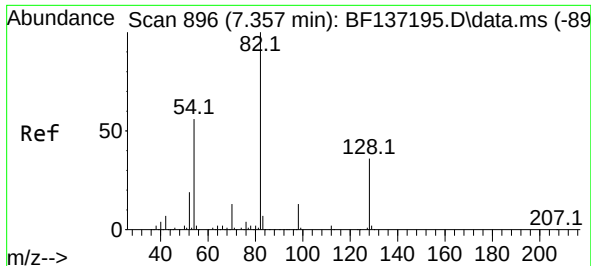
136 100

137 10.0 8.9 13.3

54 8.5 7.8 11.8

68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 114.547 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Instrument :

BNA_F

ClientSampleId :

TP-3

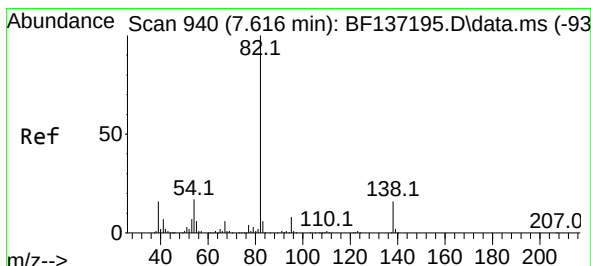
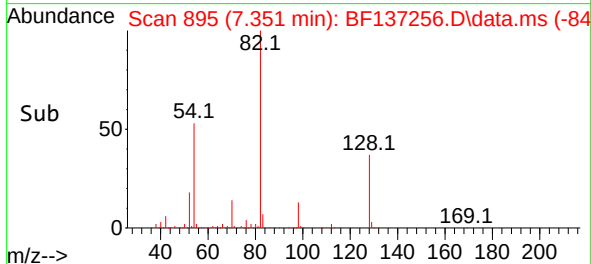
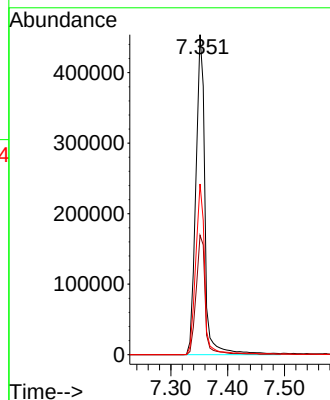
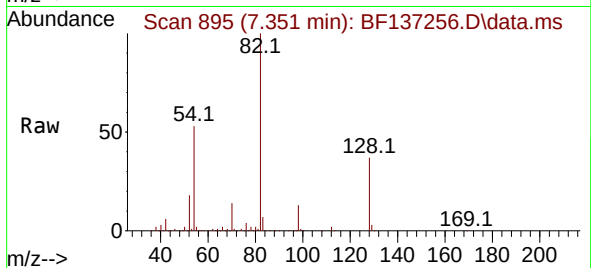
Tgt Ion: 82 Resp: 511407

Ion Ratio Lower Upper

82 100

128 37.3 29.1 43.7

54 53.3 45.0 67.6



#25

Isophorone

Concen: 62.058 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

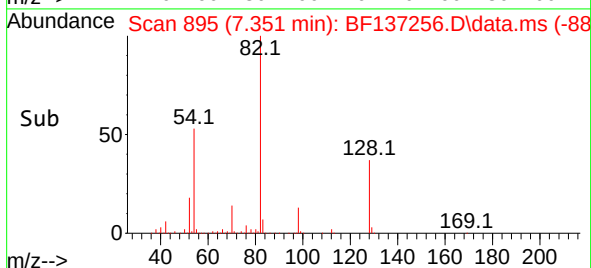
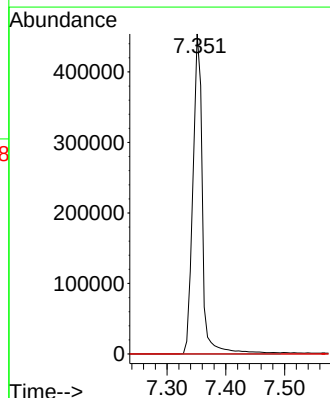
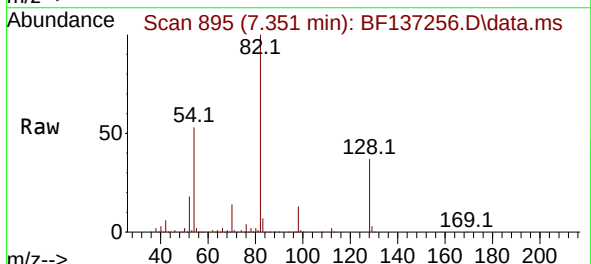
Tgt Ion: 82 Resp: 511403

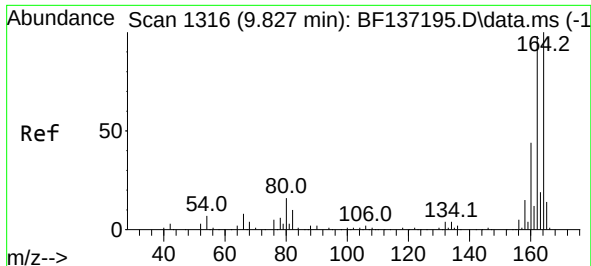
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Instrument :

BNA_F

ClientSampleId :

TP-3

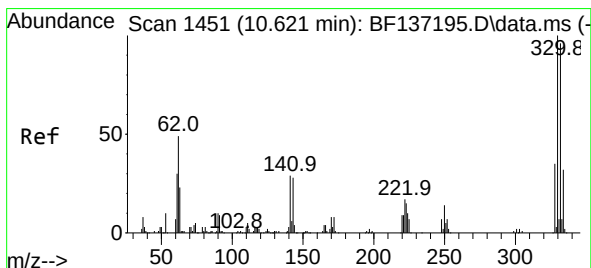
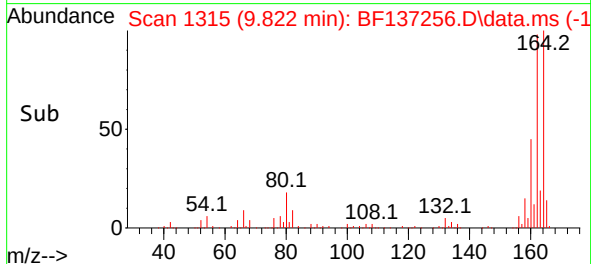
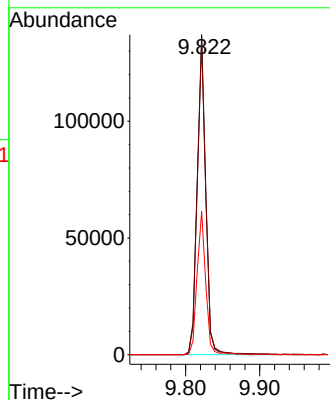
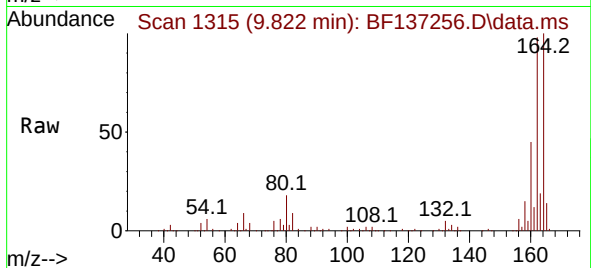
Tgt Ion:164 Resp: 110241

Ion Ratio Lower Upper

164 100

162 98.0 78.3 117.5

160 44.7 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 170.297 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

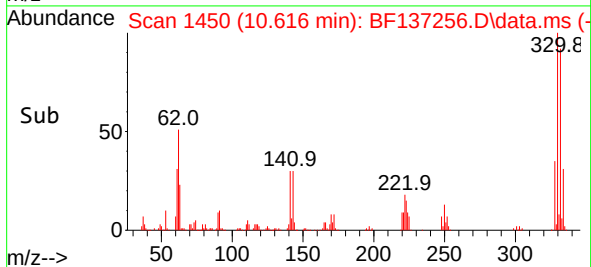
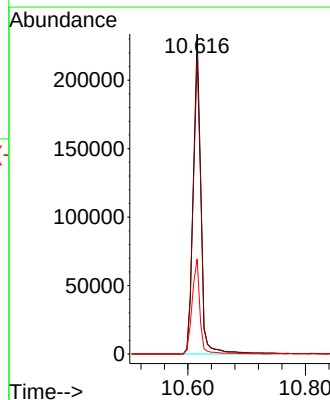
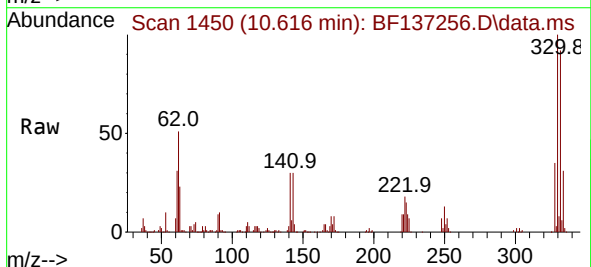
Tgt Ion:330 Resp: 212021

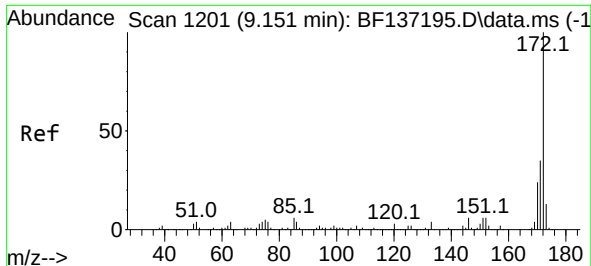
Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 30.4 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 110.725 ng

RT: 9.145 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Instrument :

BNA_F

ClientSampleId :

TP-3

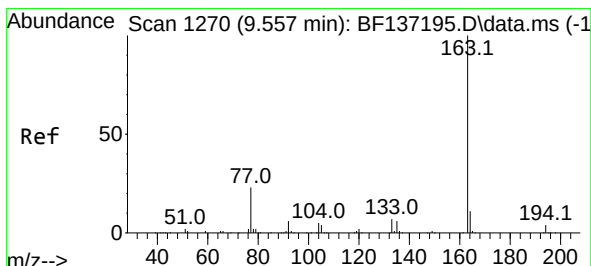
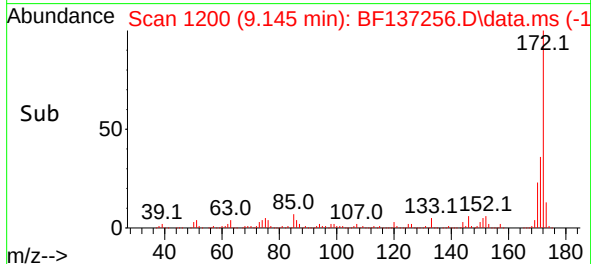
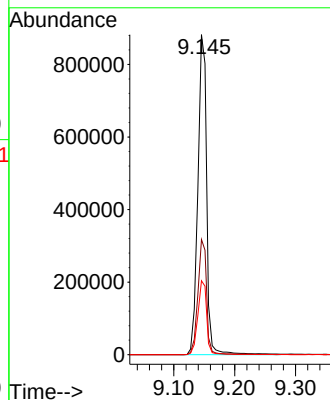
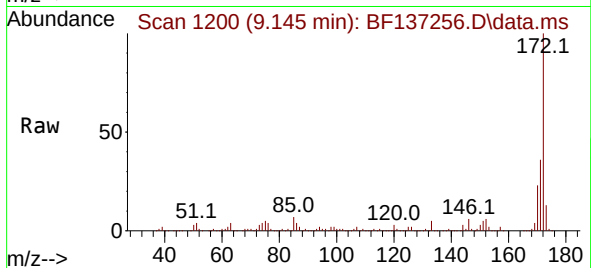
Tgt Ion:172 Resp: 887955

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.1 19.1 28.7



#50

Dimethylphthalate

Concen: 2.723 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

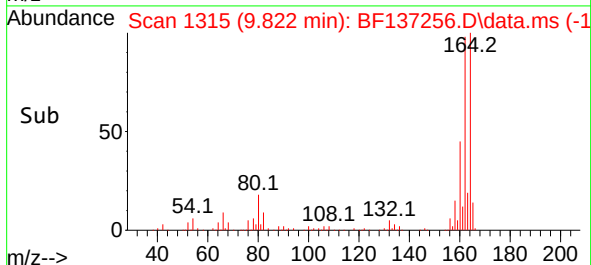
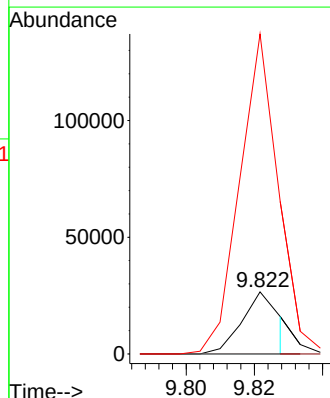
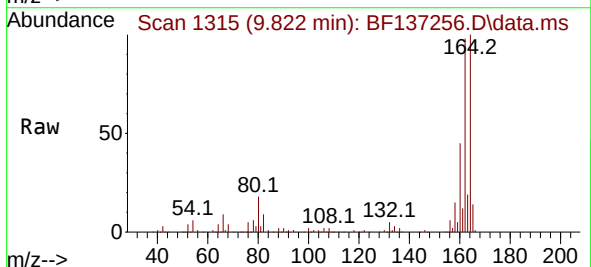
Tgt Ion:163 Resp: 20279

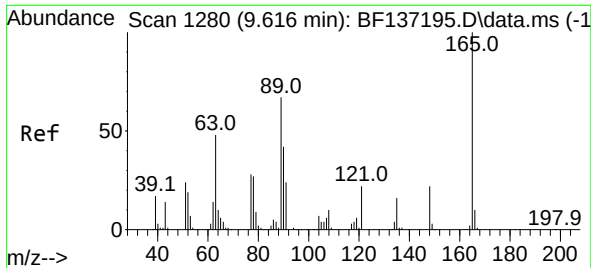
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 515.5 8.6 13.0#





#51

2,6-Dinitrotoluene

Concen: 9.098 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Instrument :

BNA_F

ClientSampleId :

TP-3

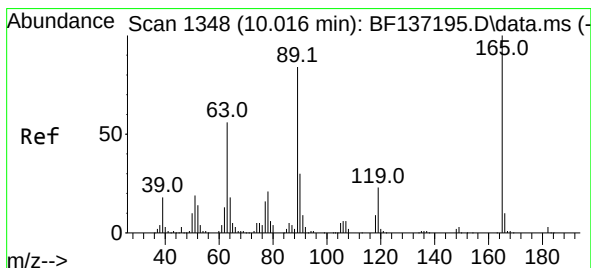
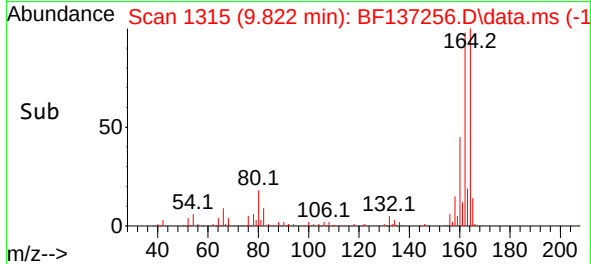
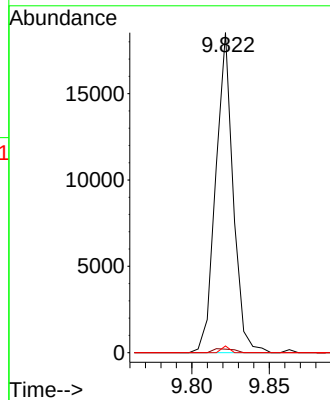
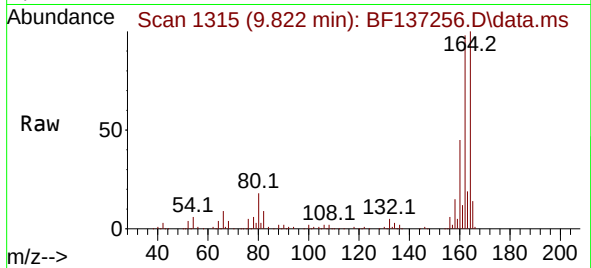
Tgt Ion:165 Resp: 14449

Ion Ratio Lower Upper

165 100

63 1.1 55.1 82.7#

89 2.1 53.5 80.3#



#57

2,4-Dinitrotoluene

Concen: 7.012 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF137256.D

Acq: 02 Feb 2024 15:47

Tgt Ion:165 Resp: 14449

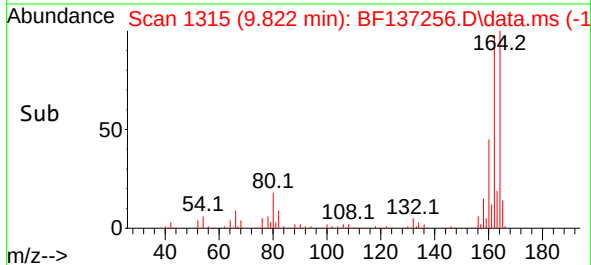
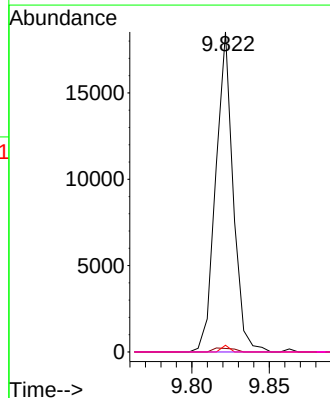
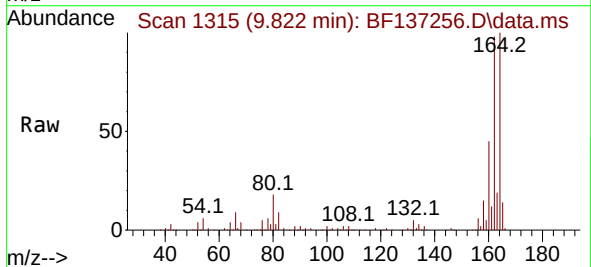
Ion Ratio Lower Upper

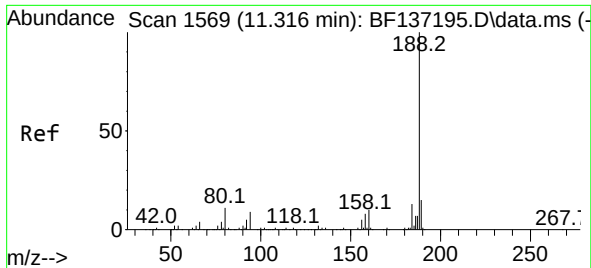
165 100

63 1.1 46.1 69.1#

89 2.1 67.5 101.3#

182 0.0 2.2 3.2#

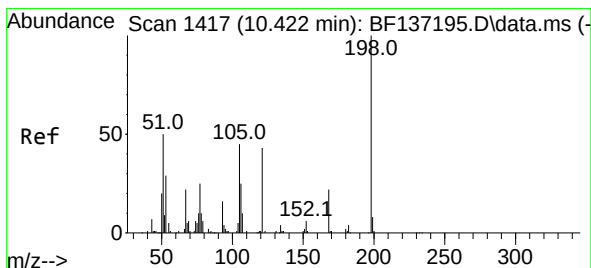
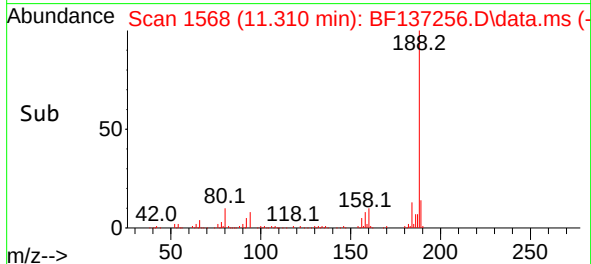
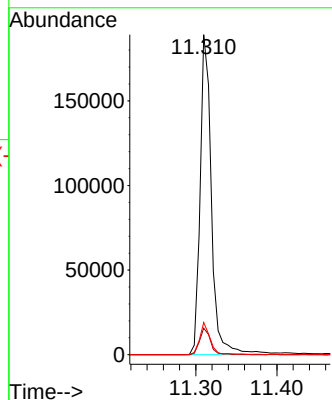
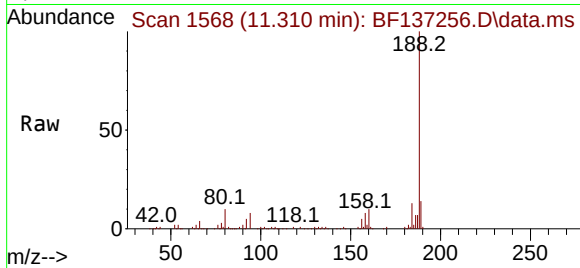




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

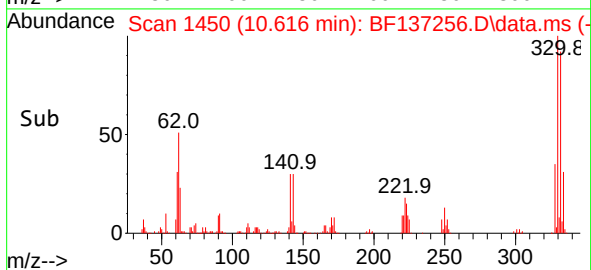
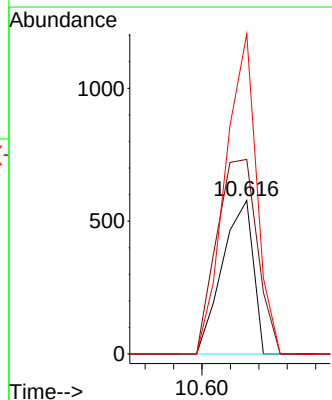
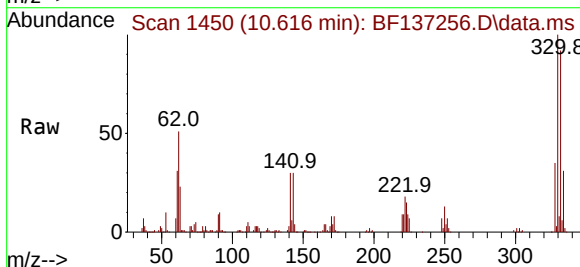
Instrument :
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ClientSampleId :
TP-3

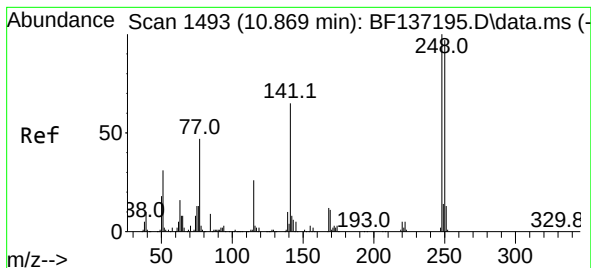
Tgt Ion:188 Resp: 184035
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 10.0 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.851 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.194 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

Tgt Ion:198 Resp: 436
Ion Ratio Lower Upper
198 100
51 126.8 40.9 80.9#
105 208.5 26.5 66.5#

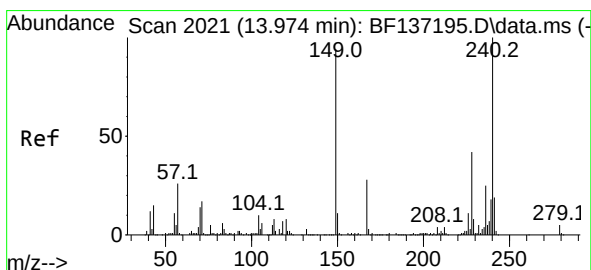
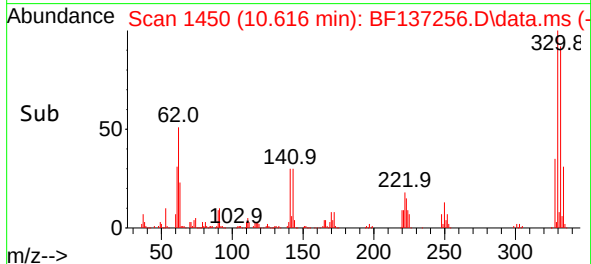
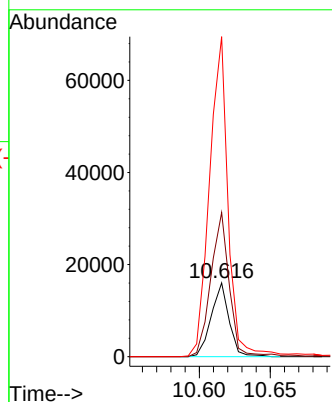
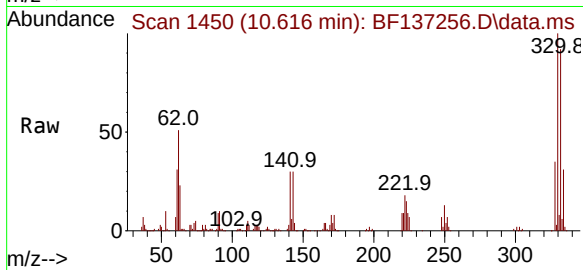




#67
4-Bromophenyl-phenylether
Concen: 6.947 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

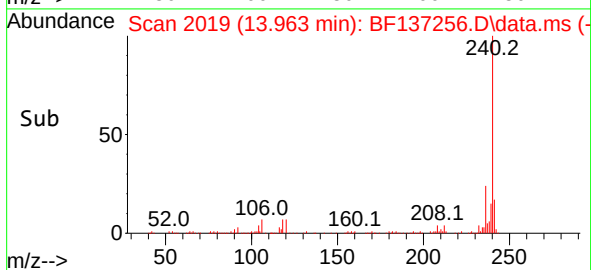
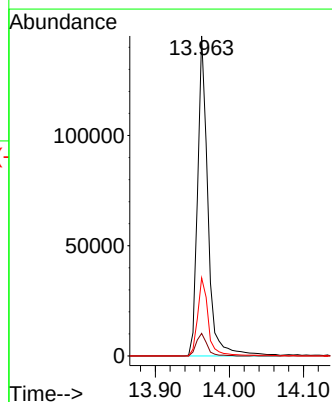
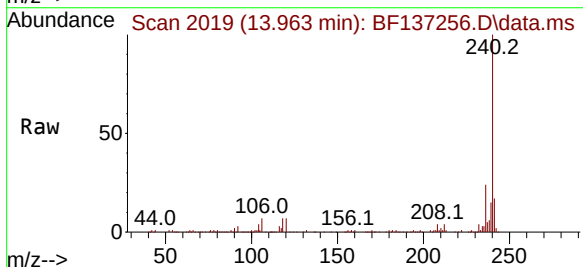
Instrument :
BNA_F
ClientSampleId :
TP-3

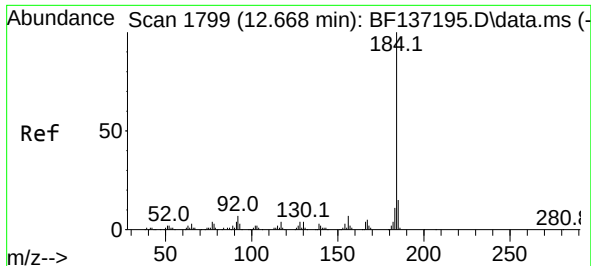
Tgt Ion:248 Resp: 14058
Ion Ratio Lower Upper
248 100
250 195.5 77.7 116.5#
141 433.7 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

Tgt Ion:240 Resp: 139962
Ion Ratio Lower Upper
240 100
120 7.0 6.3 9.5
236 24.4 20.3 30.5

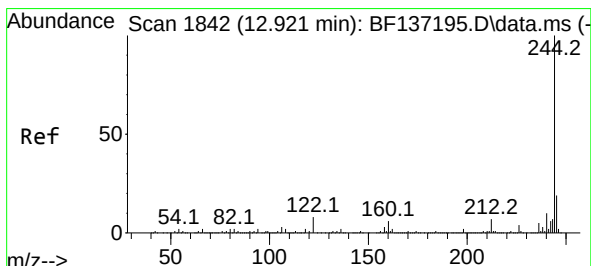
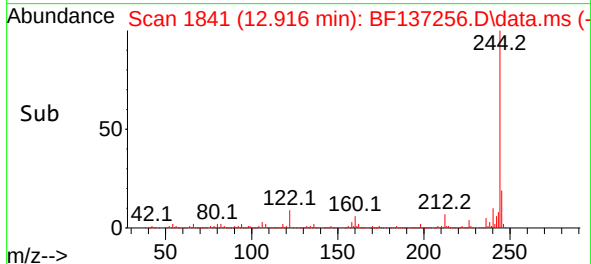
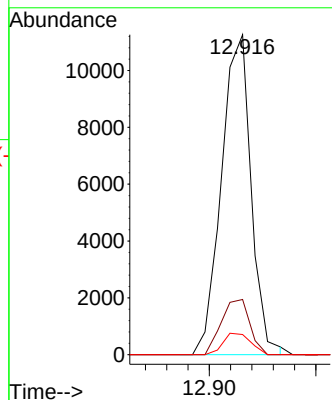
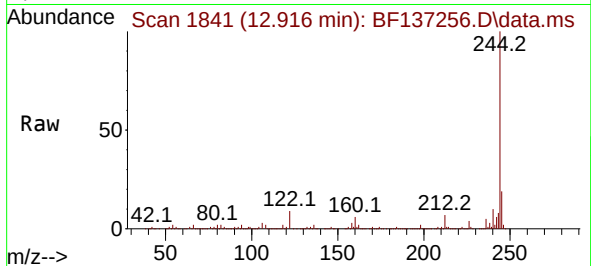




#77
Benzidine
Concen: 4.342 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.248 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

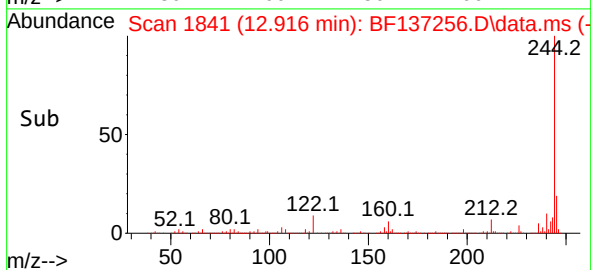
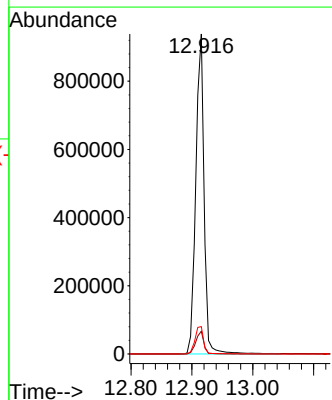
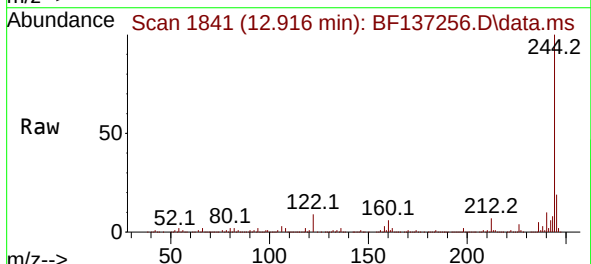
Instrument :
BNA_F
ClientSampleId :
TP-3

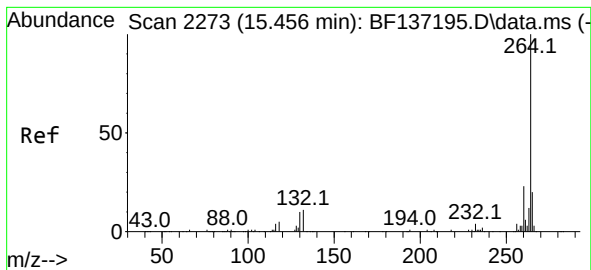
Tgt Ion:184 Resp: 10881
Ion Ratio Lower Upper
184 100
185 17.3 11.9 17.9
183 6.3 8.8 13.2#



#79
Terphenyl-d14
Concen: 86.366 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137256.D
Acq: 02 Feb 2024 15:47

Tgt Ion:244 Resp: 889182
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 8.5 6.2 9.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF137256.D
 Acq: 02 Feb 2024 15:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:264 Resp: 103373
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.4
 265 19.8 16.2 24.2

