

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137254.D
 Acq On : 02 Feb 2024 14:48
 Operator : CG\JU
 Sample : P1337-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Feb 02 15:12:40 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)

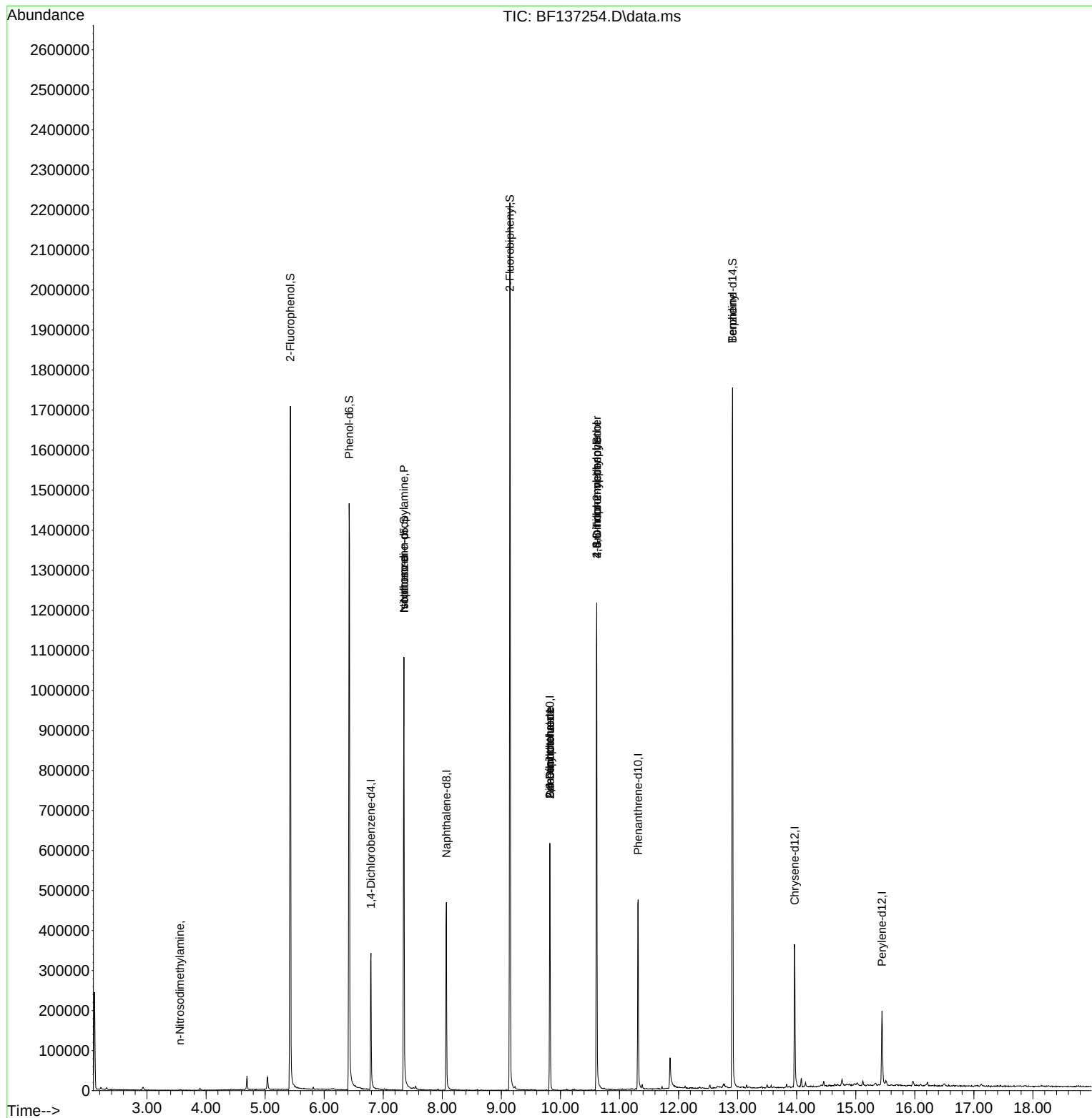
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	54450	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	213885	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	118289	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	199838	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	144007	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	91485	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	431985	130.911	ng	0.01
7) Phenol-d6	6.422	99	561711	119.280	ng	0.00
23) Nitrobenzene-d5	7.351	82	377117	78.940	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	150147	112.394	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	696195	80.907	ng	0.00
79) Terphenyl-d14	12.916	244	669922	63.242	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.557	42	55	6.087	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	48854	15.130	ng	# 77
25) Isophorone	7.351	82	377114	42.767	ng	# 67
50) Dimethylphthalate	9.822	163	22234	2.782	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	14949	8.773	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	14949	6.761	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	282	5.691	ng	# 9
67) 4-Bromophenyl-phenylether	10.616	248	10202	4.643	ng	# 1
77) Benzidine	12.916	184	8220	3.188	ng	# 93

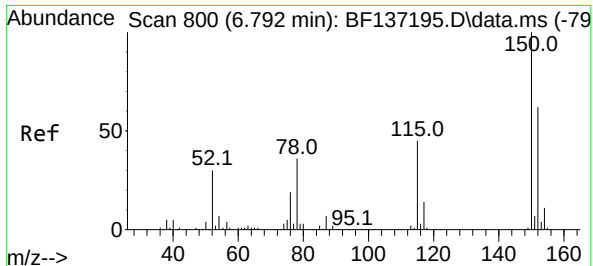
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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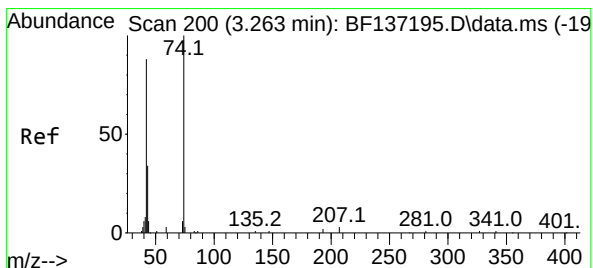
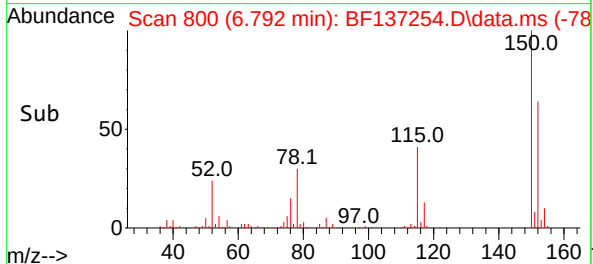
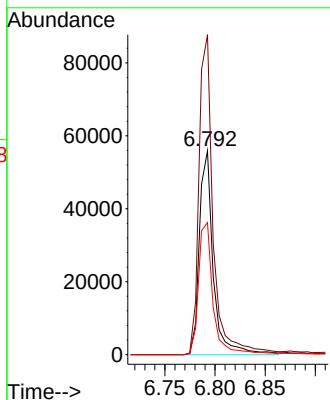
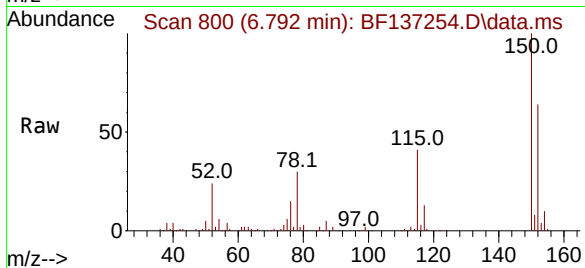




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

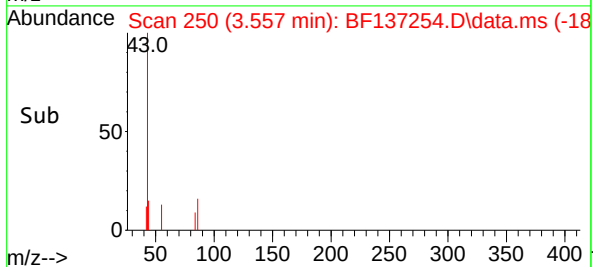
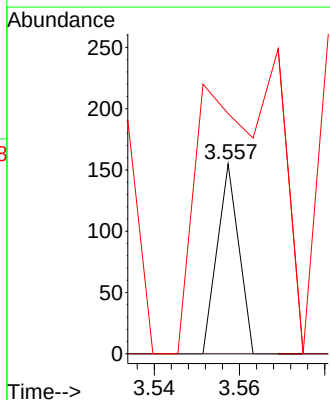
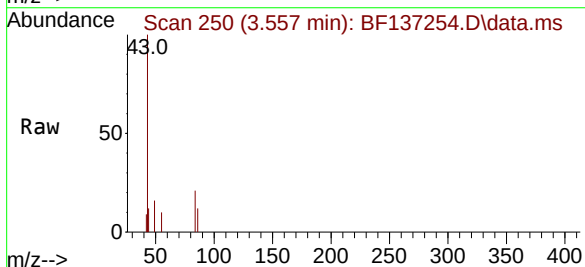
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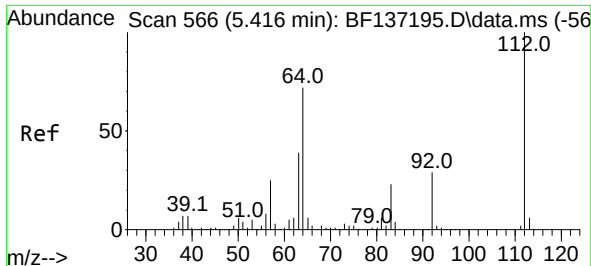
Tgt Ion:152 Resp: 54450
Ion Ratio Lower Upper
152 100
150 157.0 129.8 194.8
115 64.8 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.087 ng
RT: 3.557 min Scan# 250
Delta R.T. 0.294 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 126.5 6.1 9.1#

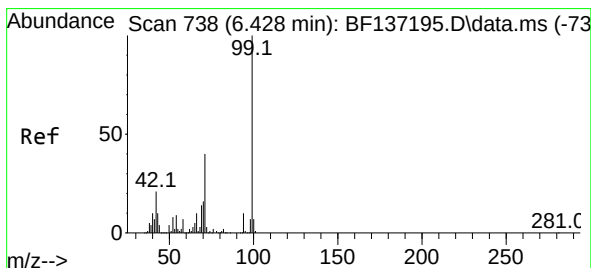
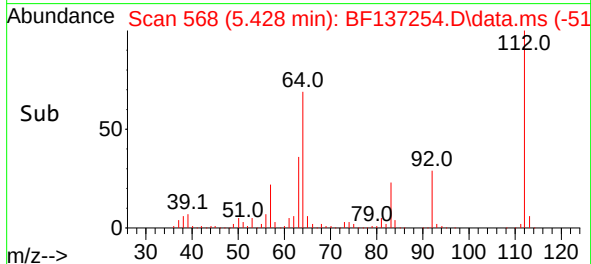
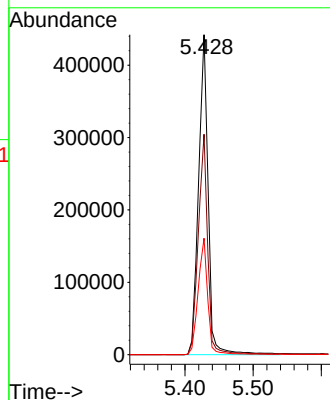
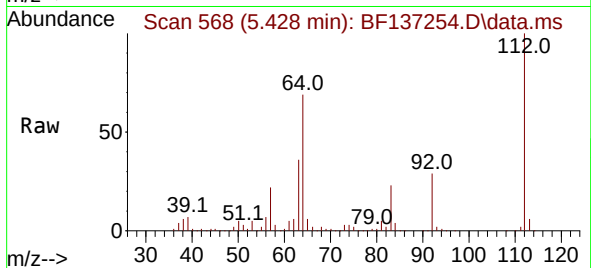




#5
2-Fluorophenol
Concen: 130.911 ng
RT: 5.428 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

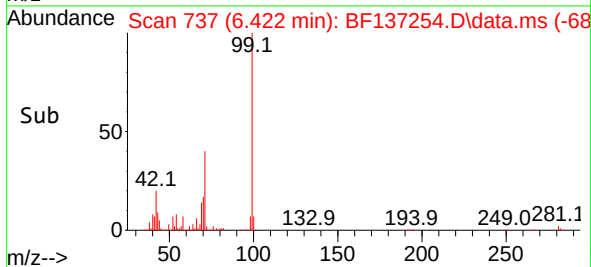
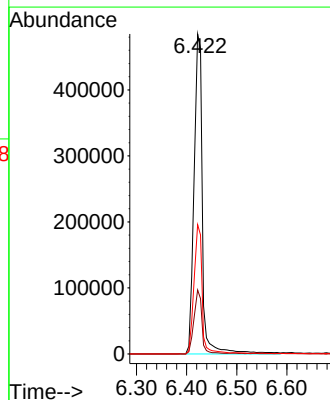
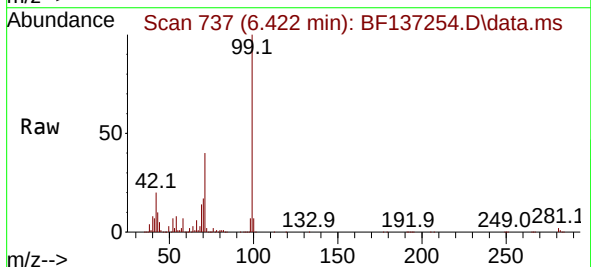
Instrument :
BNA_F
ClientSampleId :
TP-1

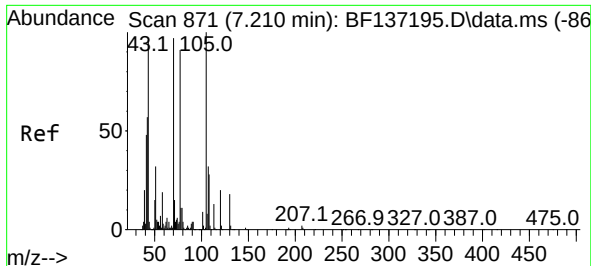
Tgt Ion:112 Resp: 431985
Ion Ratio Lower Upper
112 100
64 68.9 57.8 86.6
63 36.4 31.4 47.0



#7
Phenol-d6
Concen: 119.280 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion: 99 Resp: 561711
Ion Ratio Lower Upper
99 100
42 20.0 16.4 24.6
71 40.4 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 15.130 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.141 min

Lab File: BF137254.D

Acq: 02 Feb 2024 14:48

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 70 Resp: 48854

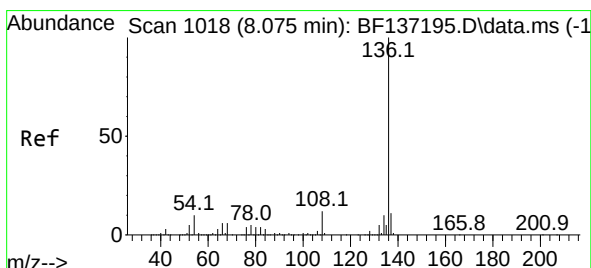
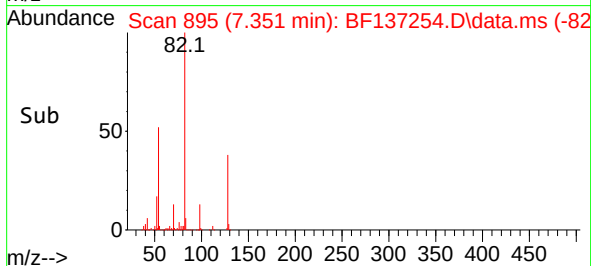
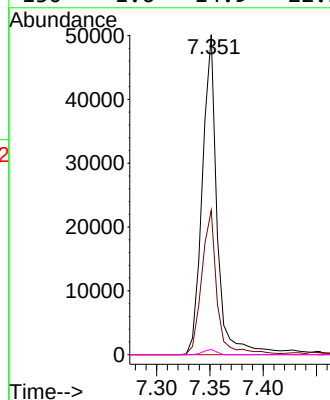
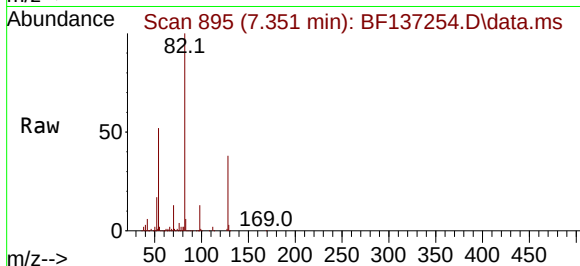
Ion Ratio Lower Upper

70 100

42 45.1 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: BF137254.D

Acq: 02 Feb 2024 14:48

Tgt Ion: 136 Resp: 213885

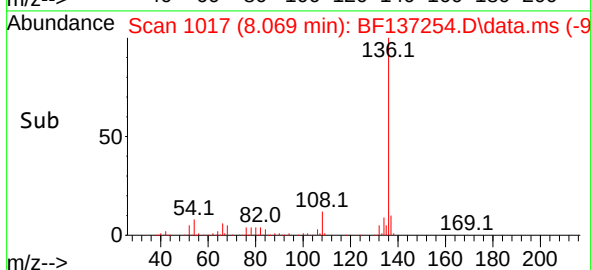
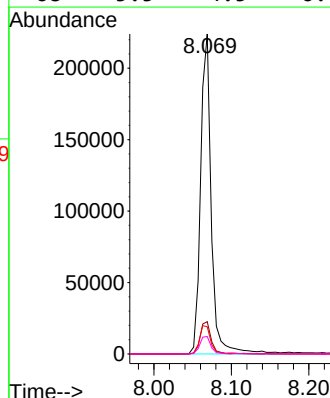
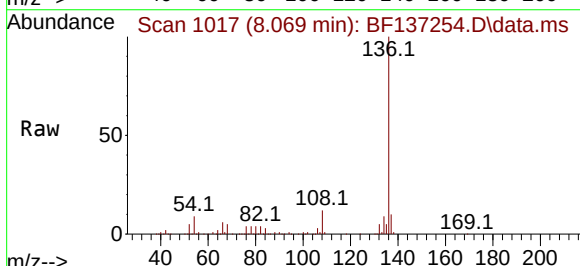
Ion Ratio Lower Upper

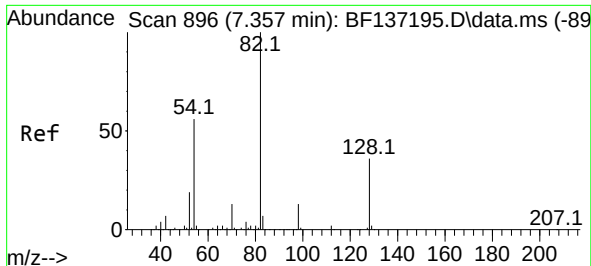
136 100

137 10.1 8.9 13.3

54 8.5 7.8 11.8

68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 78.940 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137254.D

Acq: 02 Feb 2024 14:48

Instrument :

BNA_F

ClientSampleId :

TP-1

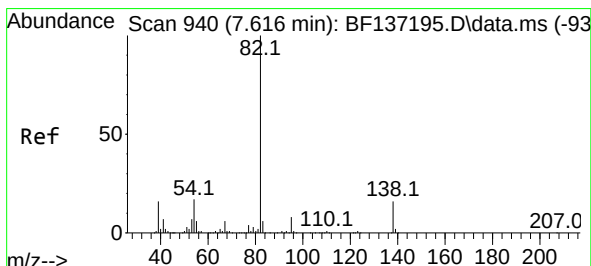
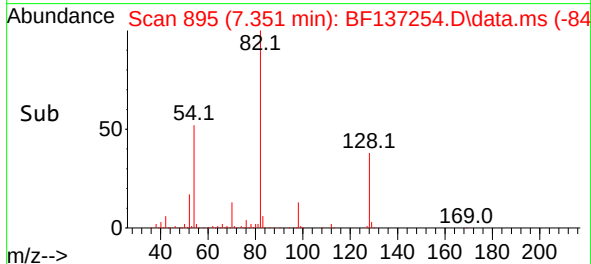
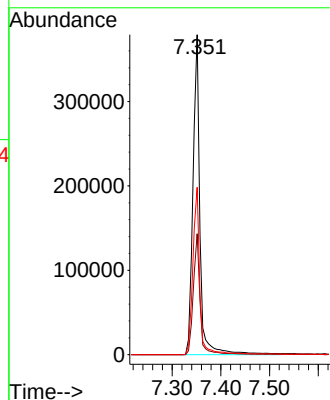
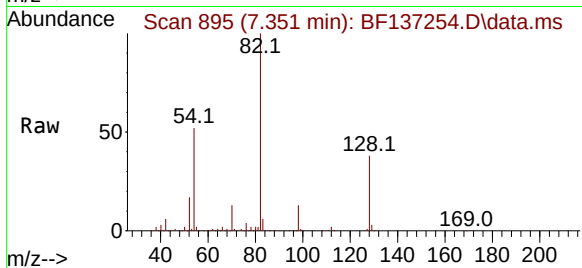
Tgt Ion: 82 Resp: 377117

Ion Ratio Lower Upper

82 100

128 37.8 29.1 43.7

54 52.3 45.0 67.6



#25

Isophorone

Concen: 42.767 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137254.D

Acq: 02 Feb 2024 14:48

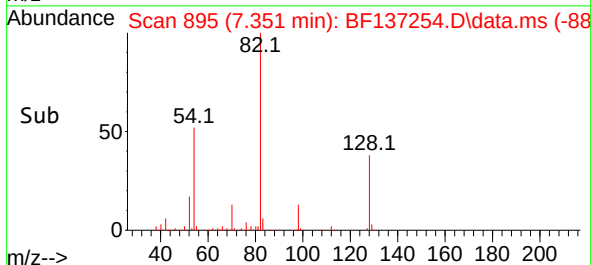
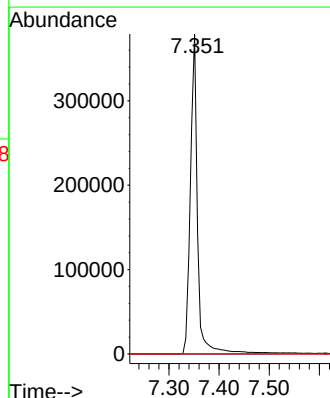
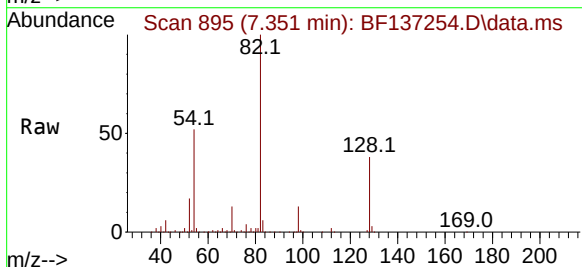
Tgt Ion: 82 Resp: 377114

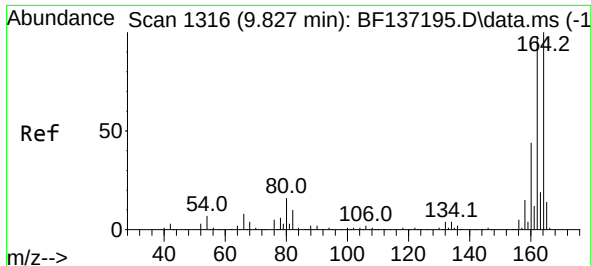
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

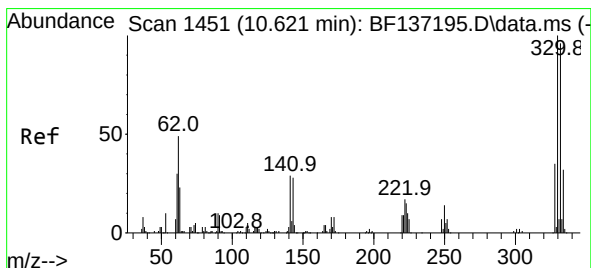
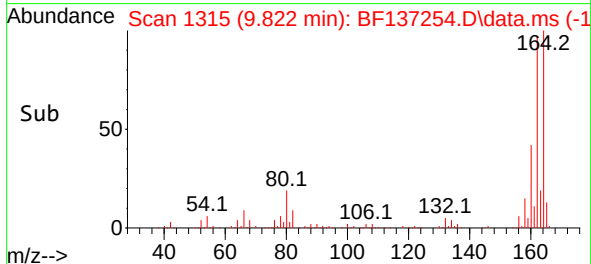
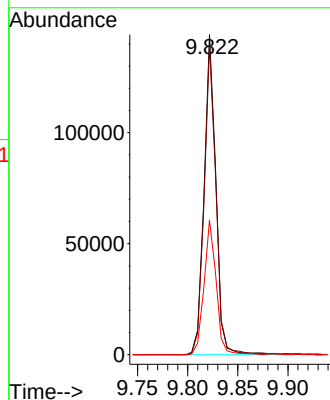
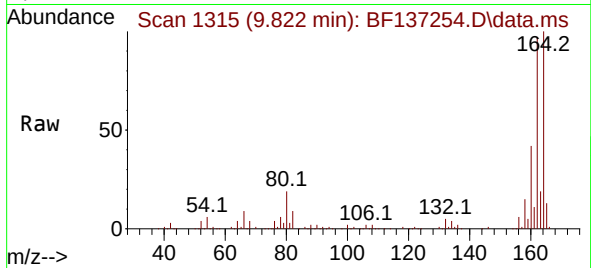




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

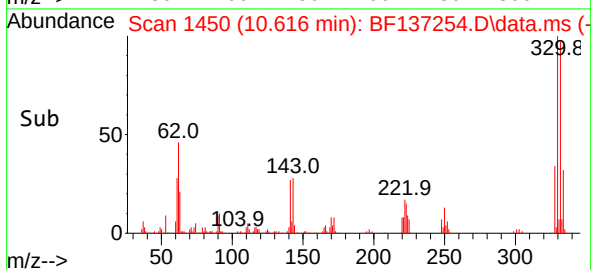
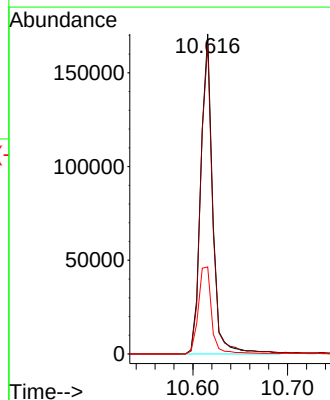
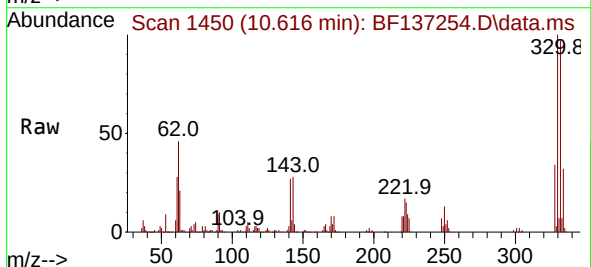
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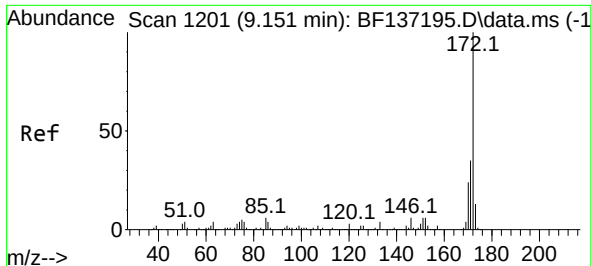
Tgt Ion:164 Resp: 118289
Ion Ratio Lower Upper
164 100
162 96.8 78.3 117.5
160 42.1 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 112.394 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion:330 Resp: 150147
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 30.7 25.2 37.8

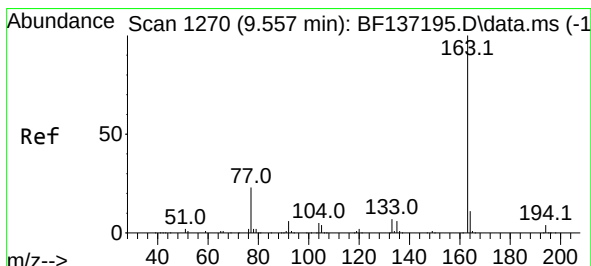
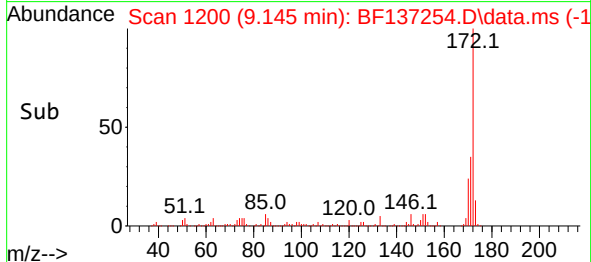
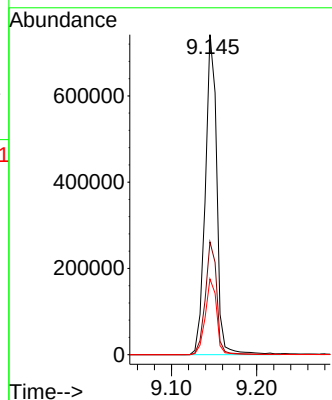
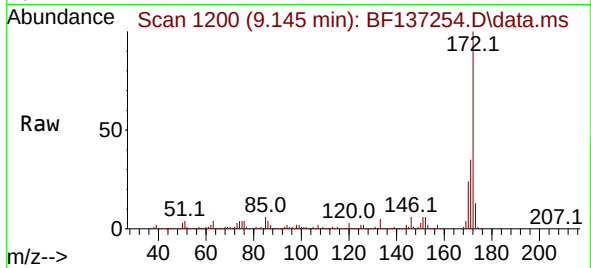




#45
2-Fluorobiphenyl
Concen: 80.907 ng
RT: 9.145 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

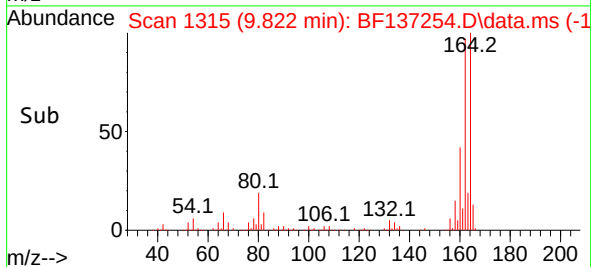
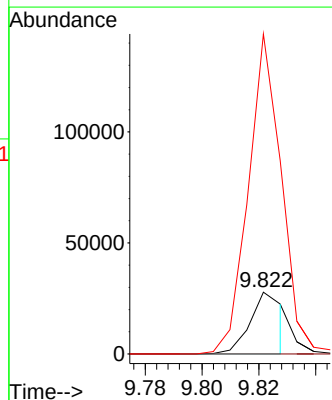
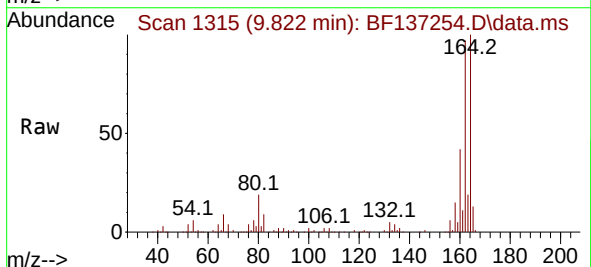
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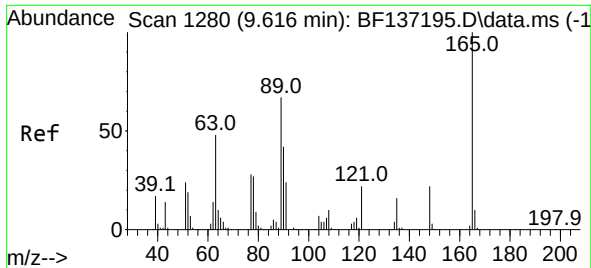
Tgt Ion:172 Resp: 696195
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.7 19.1 28.7



#50
Dimethylphthalate
Concen: 2.782 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion:163 Resp: 22234
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 518.0 8.6 13.0#

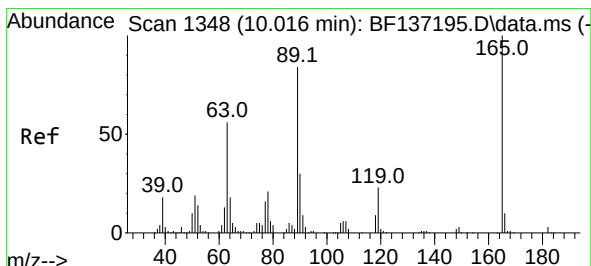
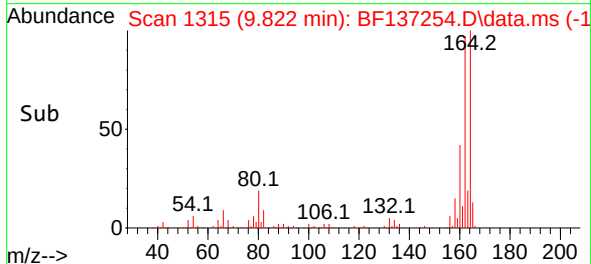
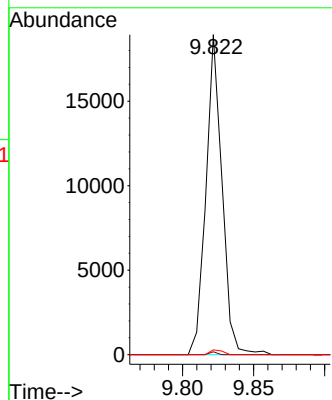
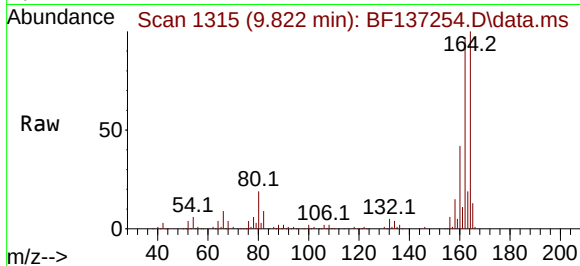




#51
2,6-Dinitrotoluene
Concen: 8.773 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

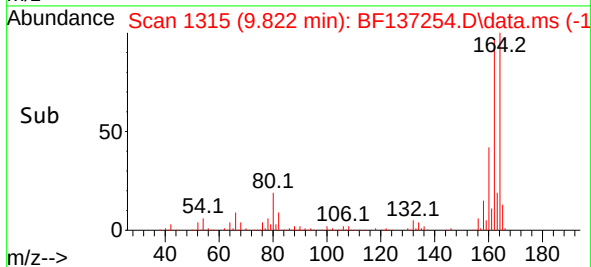
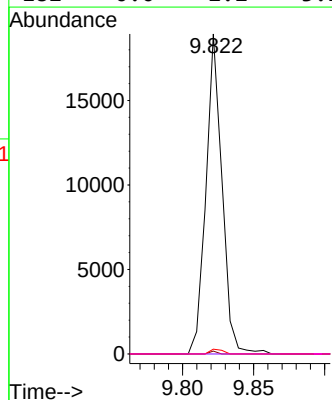
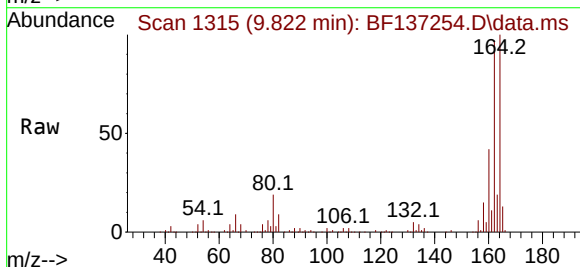
Instrument :
BNA_F
ClientSampleId :
TP-1

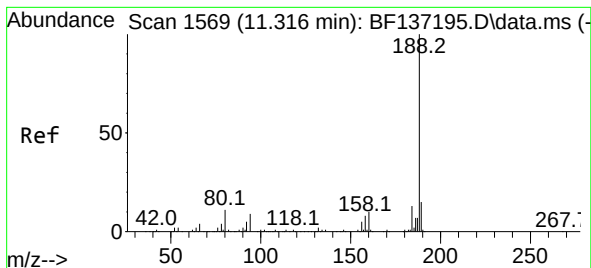
Tgt Ion:165 Resp: 14949
Ion Ratio Lower Upper
165 100
63 0.9 55.1 82.7#
89 1.5 53.5 80.3#



#57
2,4-Dinitrotoluene
Concen: 6.761 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion:165 Resp: 14949
Ion Ratio Lower Upper
165 100
63 0.9 46.1 69.1#
89 1.5 67.5 101.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137254.D

Acq: 02 Feb 2024 14:48

Instrument :

BNA_F

ClientSampleId :

TP-1

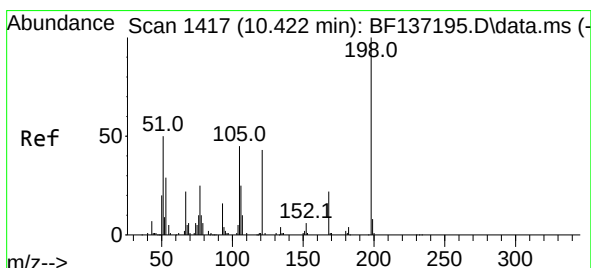
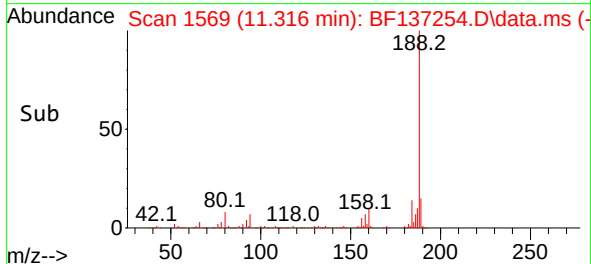
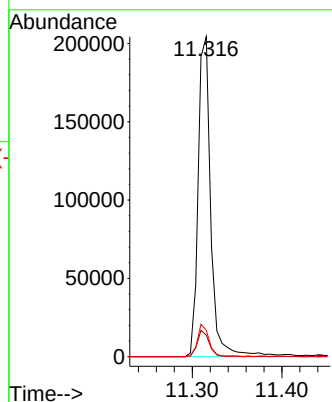
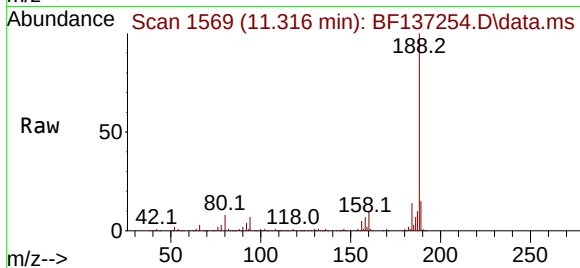
Tgt Ion:188 Resp: 199838

Ion Ratio Lower Upper

188 100

94 6.8 7.0 10.4#

80 8.2 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.691 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF137254.D

Acq: 02 Feb 2024 14:48

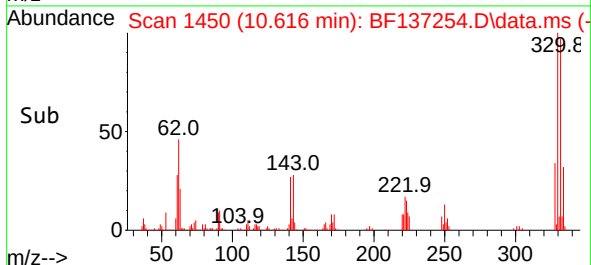
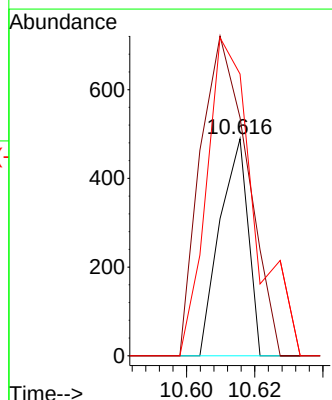
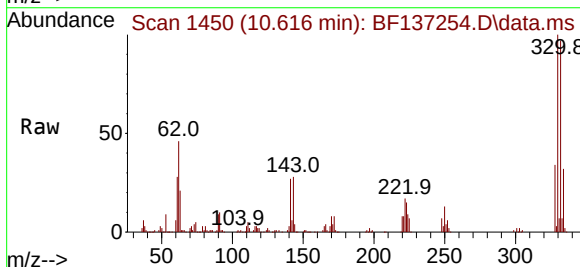
Tgt Ion:198 Resp: 282

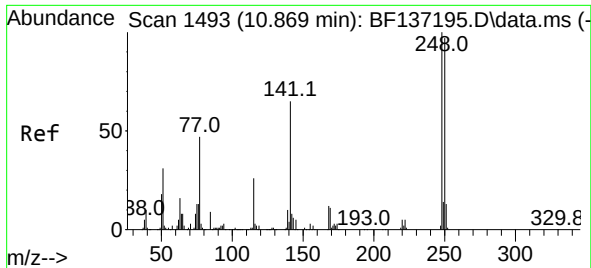
Ion Ratio Lower Upper

198 100

51 109.8 40.9 80.9#

105 129.9 26.5 66.5#

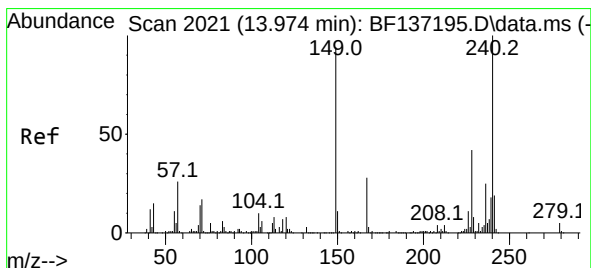
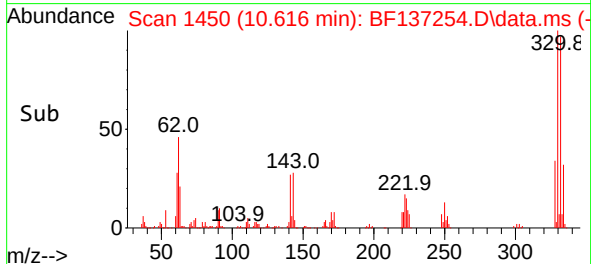
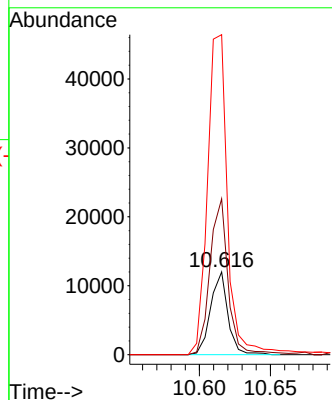
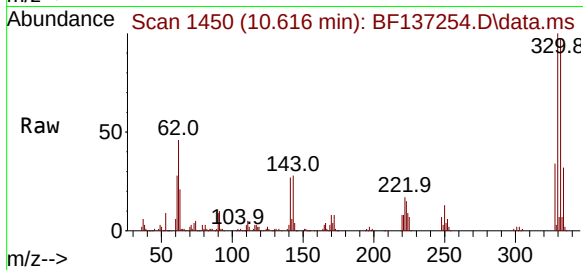




#67
4-Bromophenyl-phenylether
Concen: 4.643 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

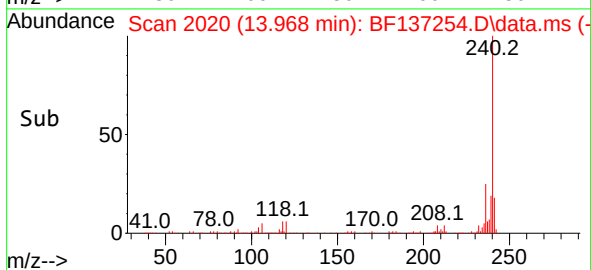
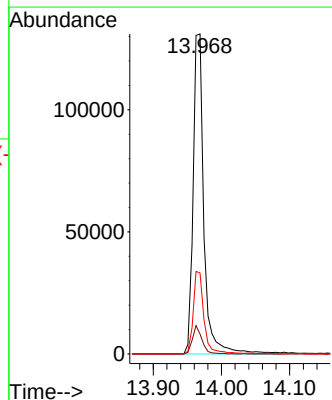
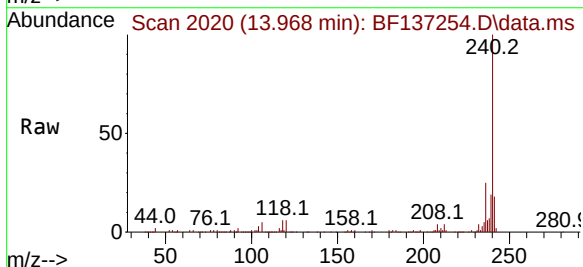
Instrument :
BNA_F
ClientSampleId :
TP-1

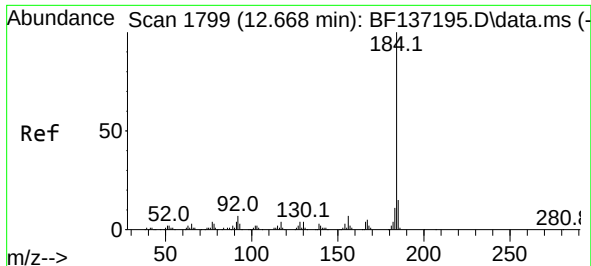
Tgt Ion:248 Resp: 10202
Ion Ratio Lower Upper
248 100
250 188.6 77.7 116.5#
141 387.1 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

Tgt Ion:240 Resp: 144007
Ion Ratio Lower Upper
240 100
120 6.2 6.3 9.5#
236 25.3 20.3 30.5

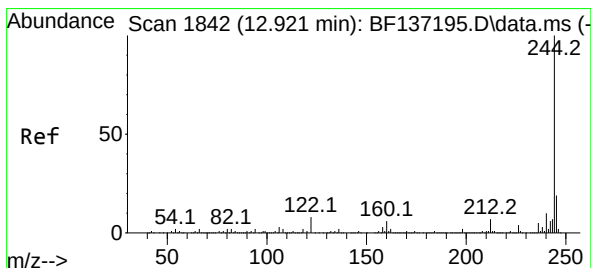
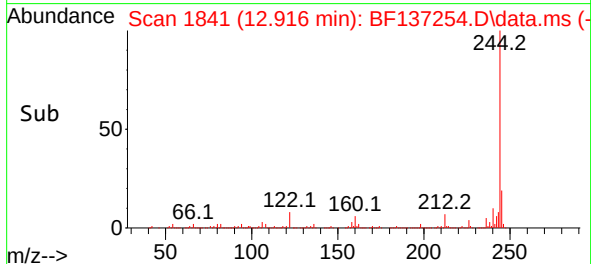
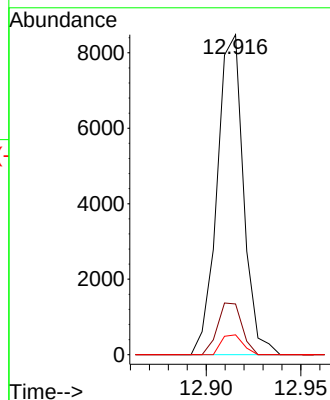
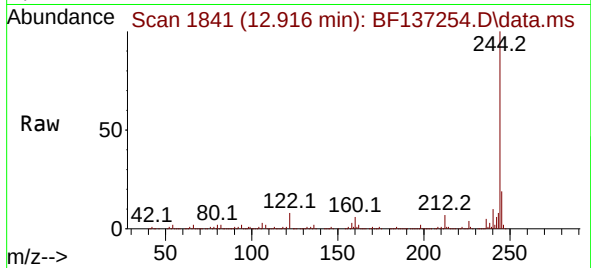




#77
Benzidine
Concen: 3.188 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.248 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

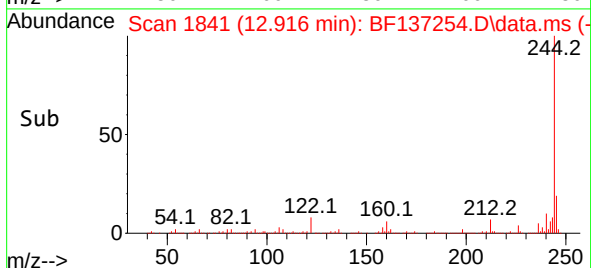
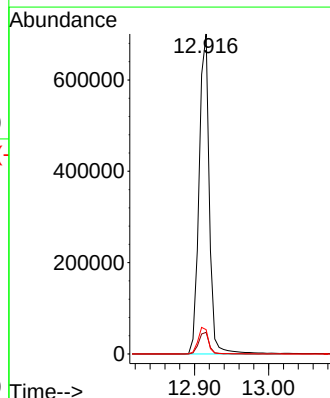
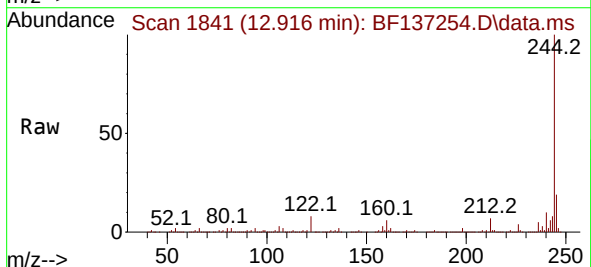
Instrument :
BNA_F
ClientSampleId :
TP-1

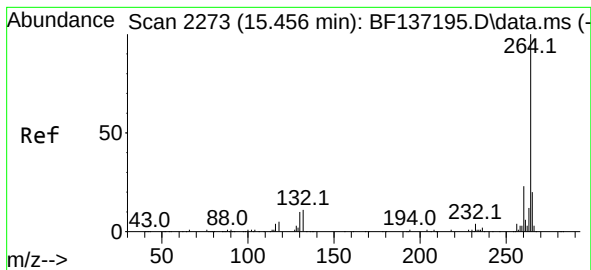
Tgt Ion:184 Resp: 8220
Ion Ratio Lower Upper
184 100
185 15.9 11.9 17.9
183 6.2 8.8 13.2#



#79
Terphenyl-d14
Concen: 63.242 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137254.D
Acq: 02 Feb 2024 14:48

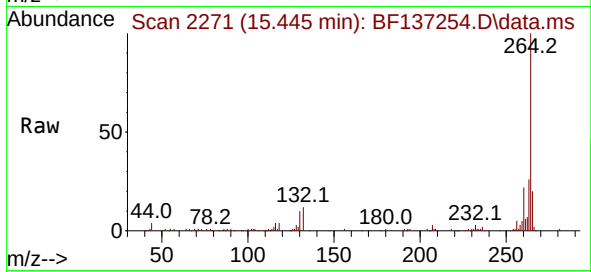
Tgt Ion:244 Resp: 669922
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 7.6 6.2 9.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF137254.D
 Acq: 02 Feb 2024 14:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 91485
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.2 27.4
 265 20.3 16.2 24.2

