

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140063.D
 Acq On : 26 Oct 2024 16:48
 Operator : RC/JU
 Sample : P4460-03RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-BOT

Quant Time: Oct 28 01:08:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

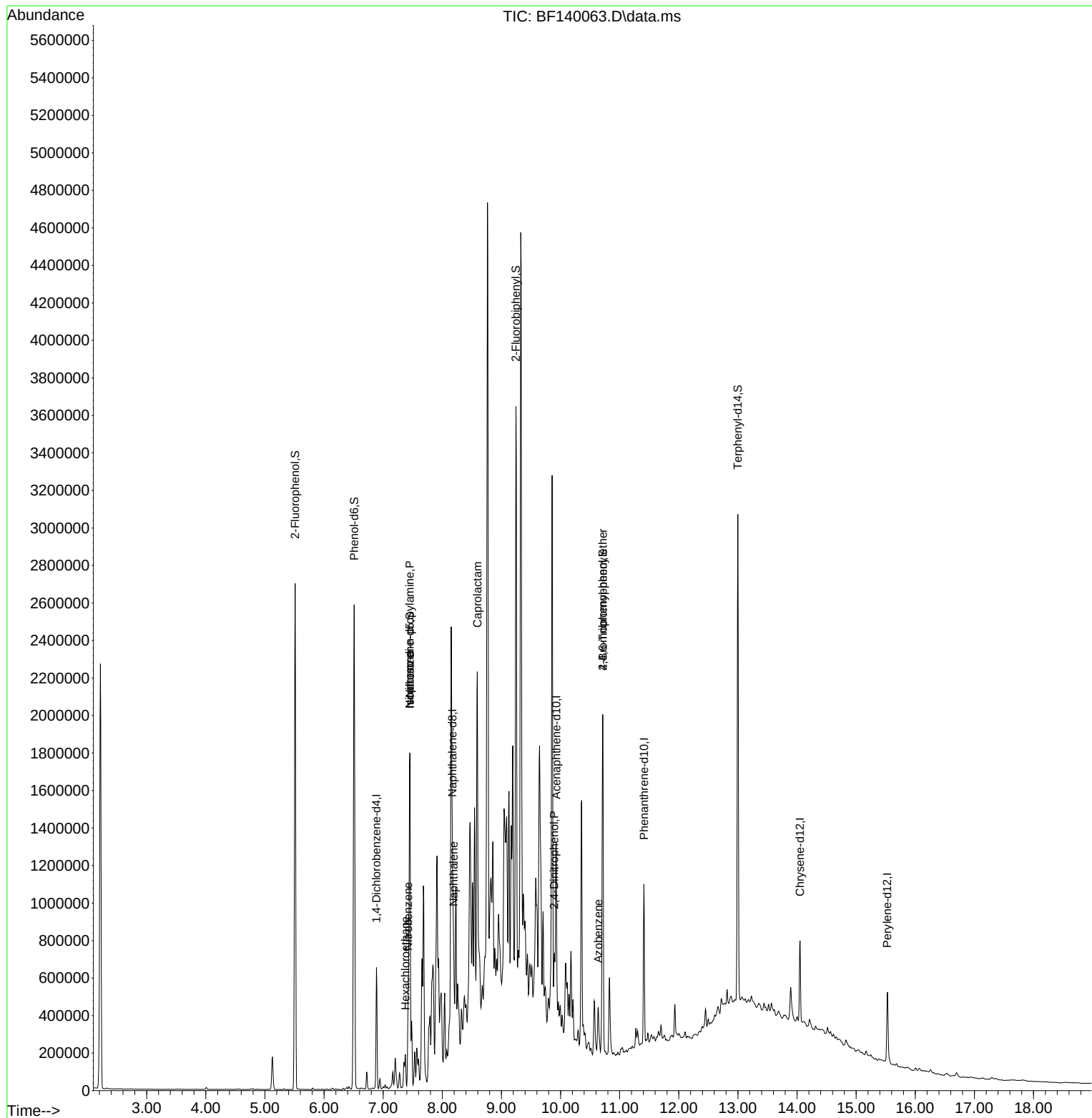
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	129197	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	476862	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	260201	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	444743	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217594	20.000	ng	0.00
86) Perylene-d12	15.527	264	237376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1049709	127.194	ng	0.01
7) Phenol-d6	6.510	99	1349554	126.259	ng	0.00
23) Nitrobenzene-d5	7.451	82	871333	101.271	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	348572	143.219	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1474289	93.641	ng	0.00
79) Terphenyl-d14	12.998	244	1342432	100.530	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.375	117	13044	3.780	ng	# 1
19) n-Nitroso-di-n-propyla...	7.451	70	122165	18.845	ng	# 75
24) Nitrobenzene	7.422	77	21242	2.252	ng	# 19
25) Isophorone	7.451	82	864426	52.934	ng	# 67
31) Naphthalene	8.193	128	122370	4.976	ng	# 98
35) Caprolactam	8.592	113	40462	18.827	ng	# 1
54) 2,4-Dinitrophenol	9.892	184	180	6.641	ng	# 33
63) Azobenzene	10.639	77	62067	3.679	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	22142	4.833	ng	# 1

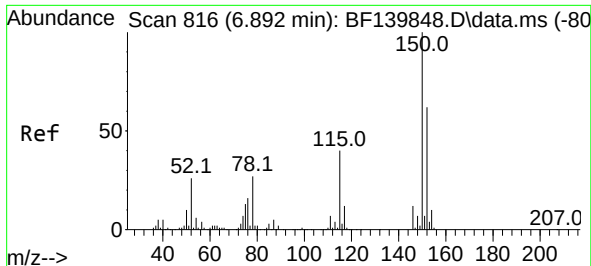
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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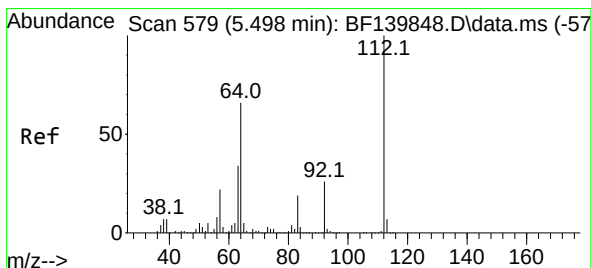
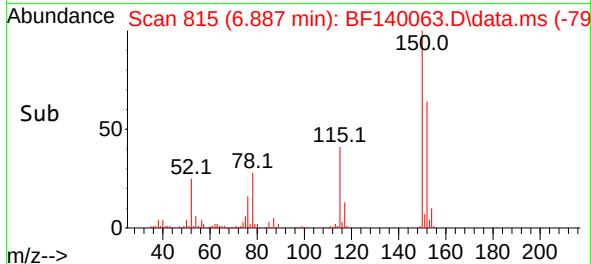
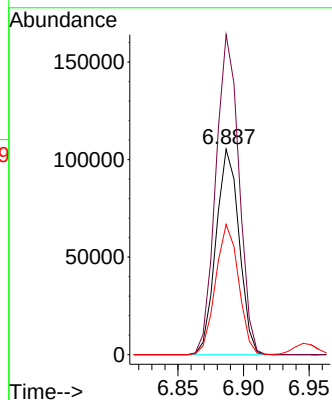
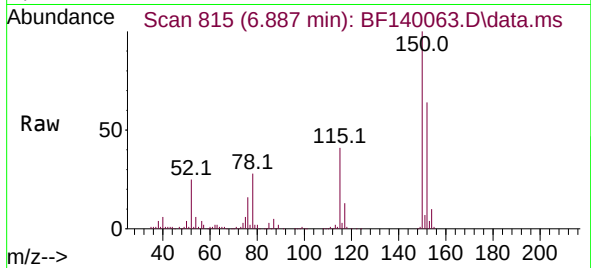




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

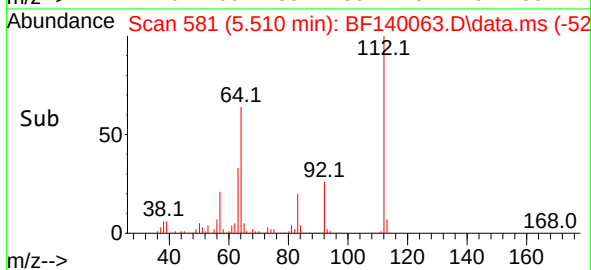
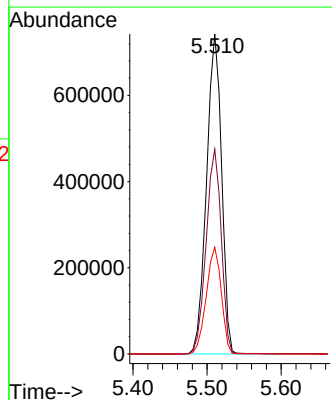
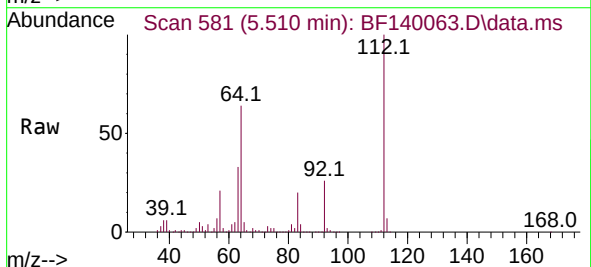
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

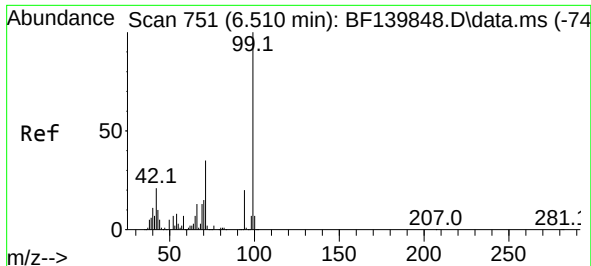
Tgt Ion:152 Resp: 129197
Ion Ratio Lower Upper
152 100
150 155.8 130.2 195.2
115 63.4 51.4 77.2



#5
2-Fluorophenol
Concen: 127.194 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:112 Resp: 1049709
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 33.3 27.0 40.4

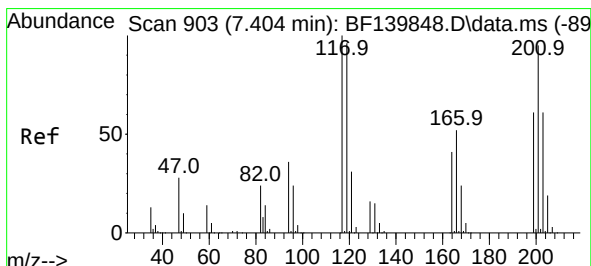
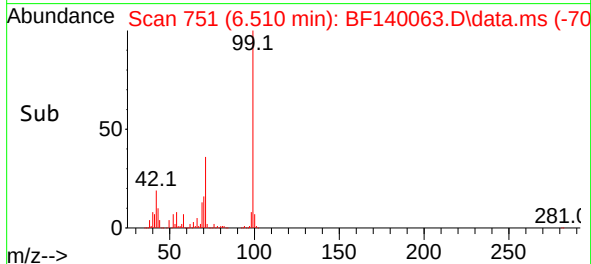
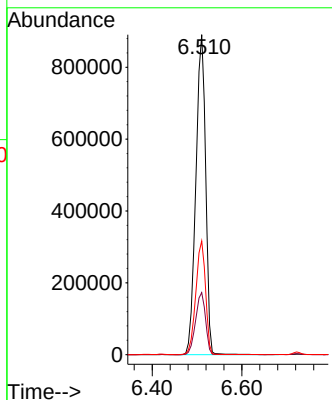
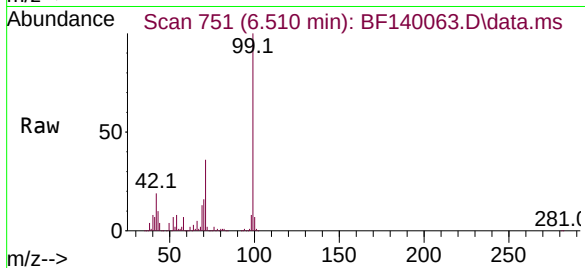




#7
Phenol-d6
Concen: 126.259 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

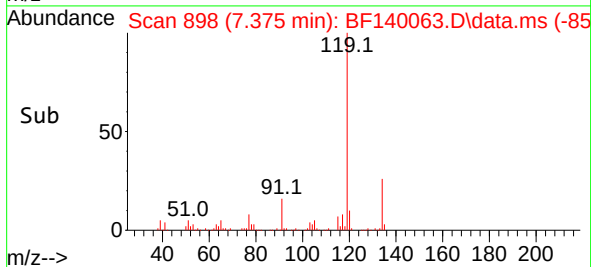
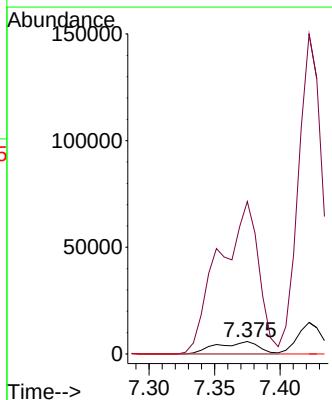
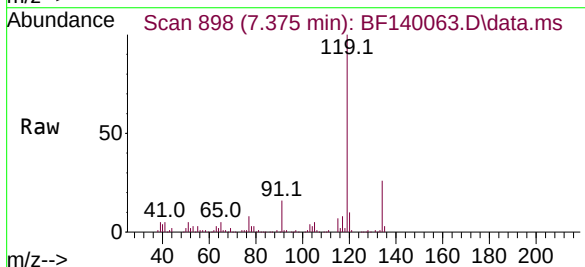
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

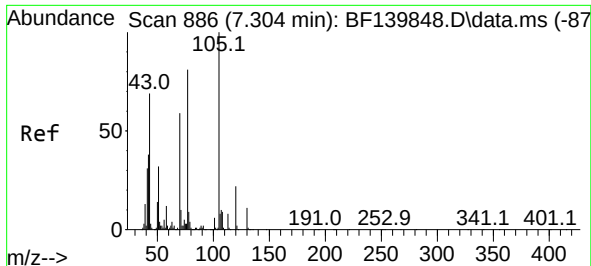
Tgt Ion: 99 Resp: 1349554
Ion Ratio Lower Upper
99 100
42 19.4 16.7 25.1
71 35.6 27.7 41.5



#18
Hexachloroethane
Concen: 3.780 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.029 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion: 117 Resp: 13044
Ion Ratio Lower Upper
117 100
119 1219.8 77.0 115.4#
201 0.0 76.2 114.4#

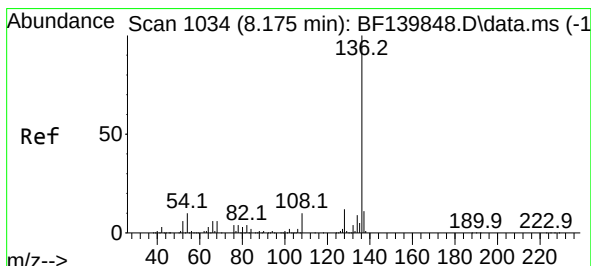
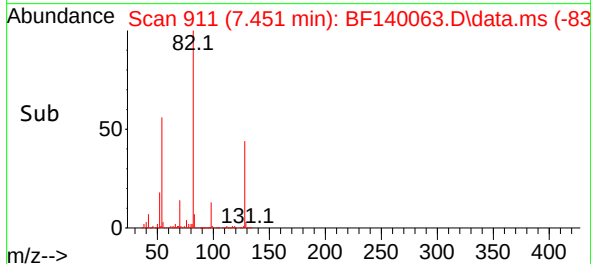
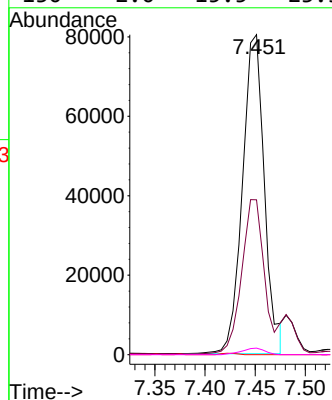
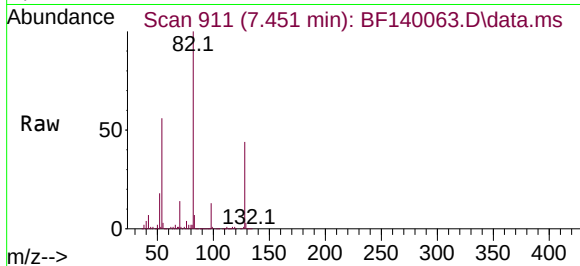




#19
n-Nitroso-di-n-propylamine
Concen: 18.845 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

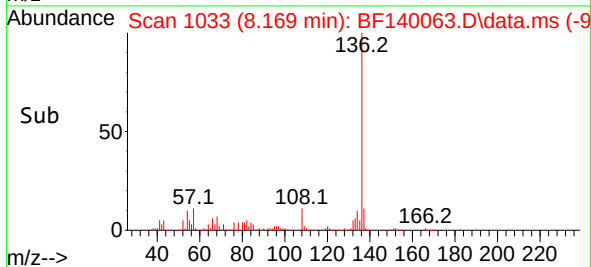
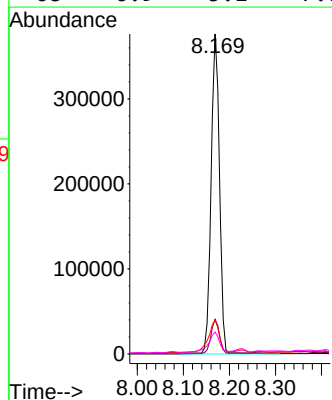
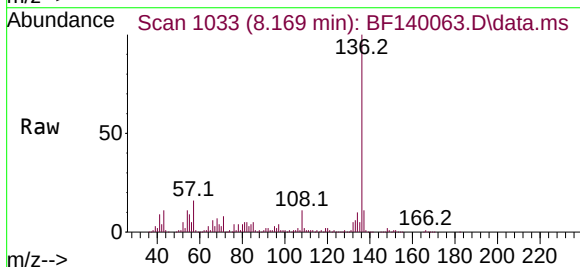
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

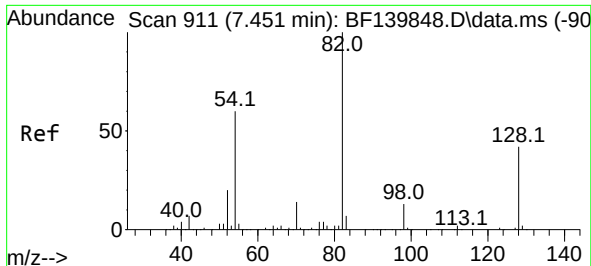
Tgt Ion: 70 Resp: 122165
Ion Ratio Lower Upper
70 100
42 48.4 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion: 136 Resp: 476862
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.5 8.4 12.6
68 6.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 101.271 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

Instrument :

BNA_F

ClientSampleId :

WB-303-BOT

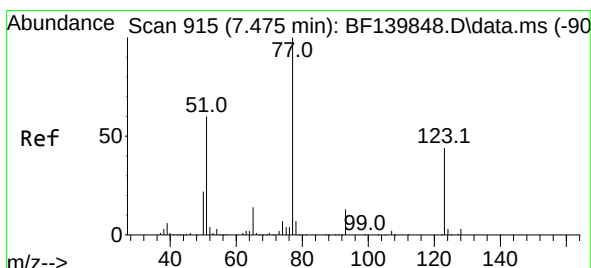
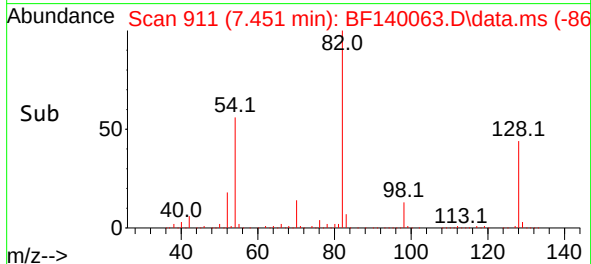
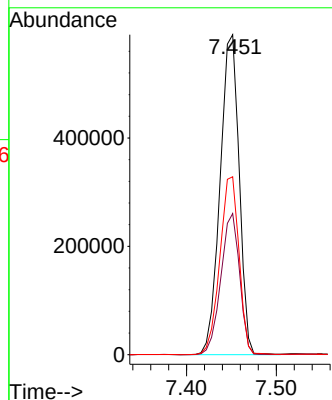
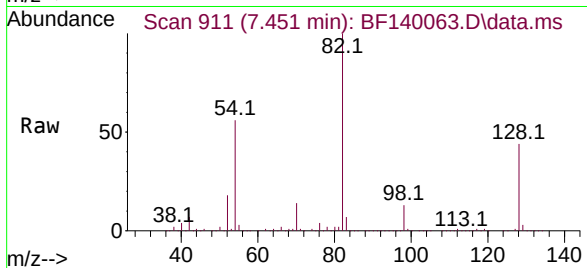
Tgt Ion: 82 Resp: 871333

Ion Ratio Lower Upper

82 100

128 44.1 33.4 50.0

54 55.6 47.8 71.8



#24

Nitrobenzene

Concen: 2.252 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.053 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

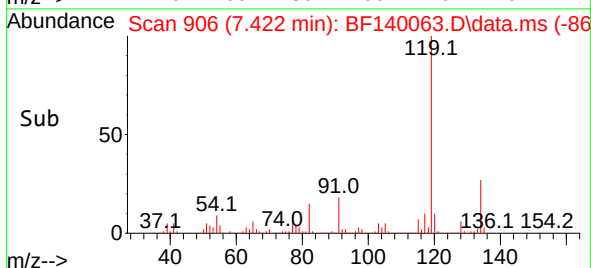
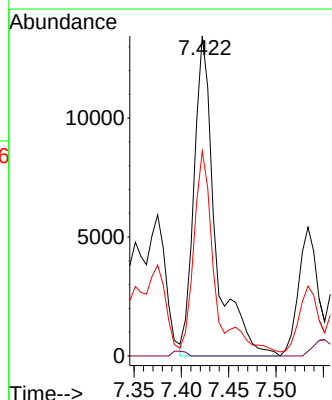
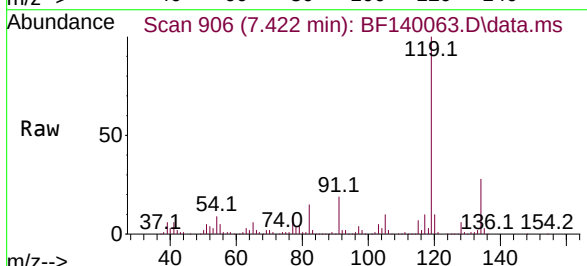
Tgt Ion: 77 Resp: 21242

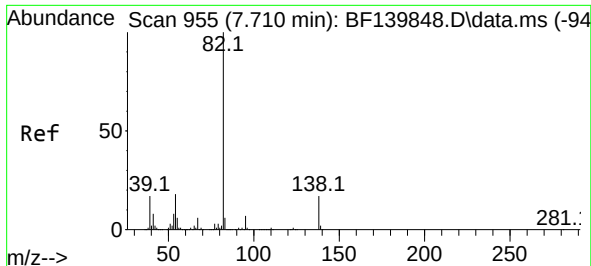
Ion Ratio Lower Upper

77 100

123 0.0 35.7 53.5#

65 64.0 11.5 17.3#

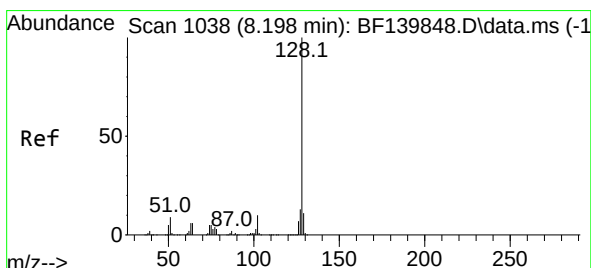
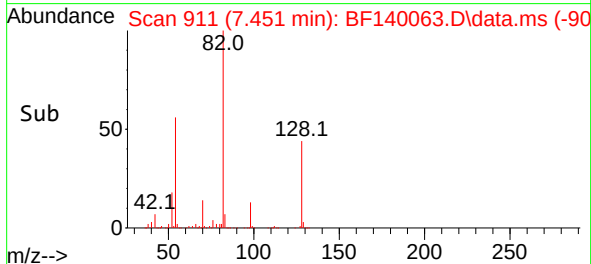
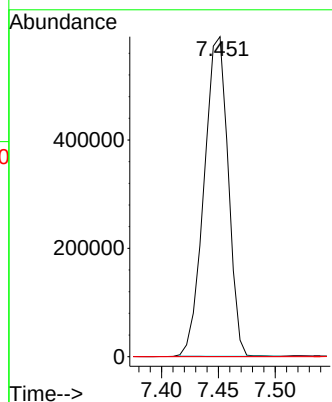
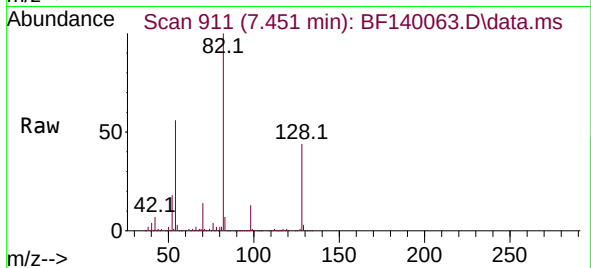




#25
Isophorone
Concen: 52.934 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

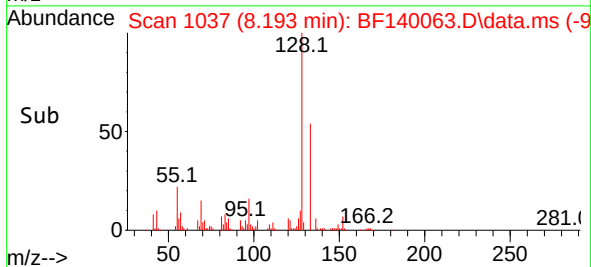
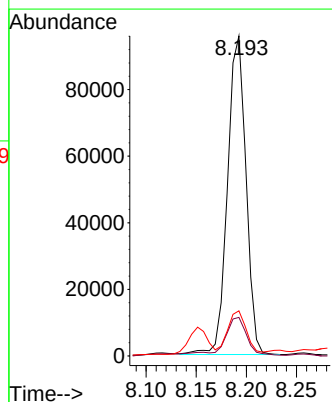
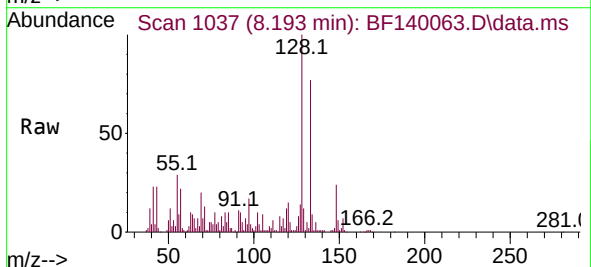
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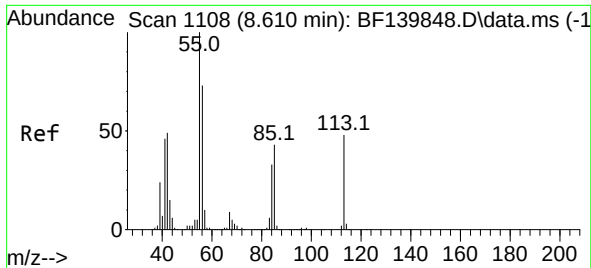
Tgt Ion: 82 Resp: 864426
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#31
Naphthalene
Concen: 4.976 ng
RT: 8.193 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion: 128 Resp: 122370
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 14.1 10.6 16.0

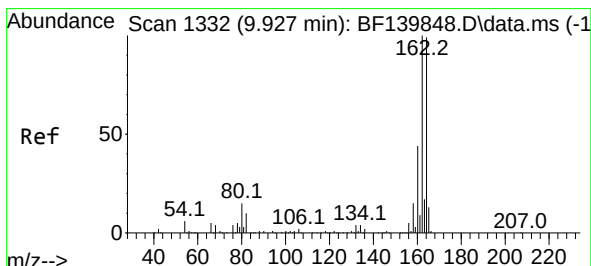
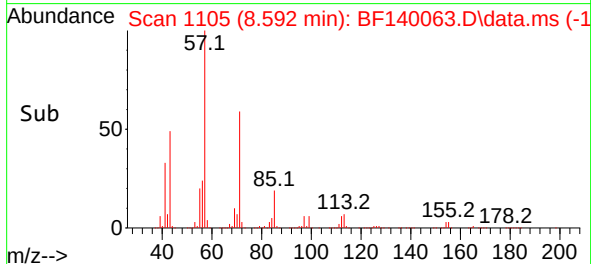
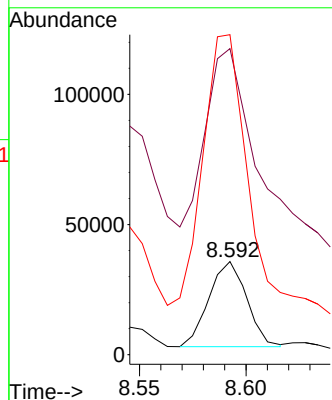
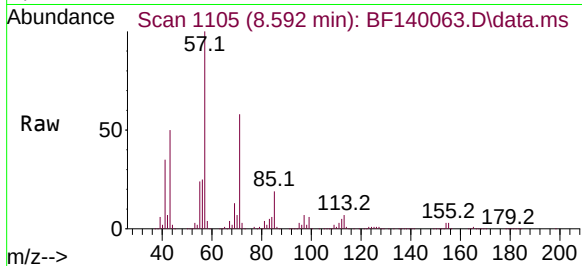




#35
 Caprolactam
 Concen: 18.827 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. -0.017 min
 Lab File: BF140063.D
 Acq: 26 Oct 2024 16:48

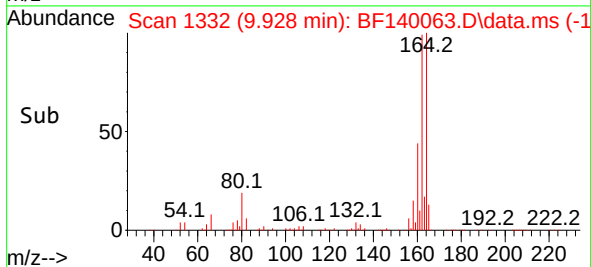
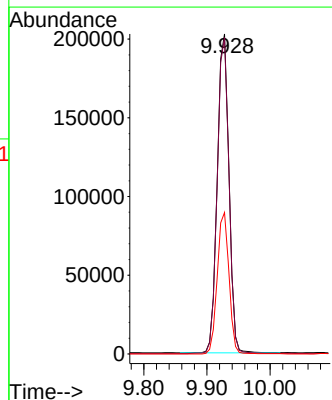
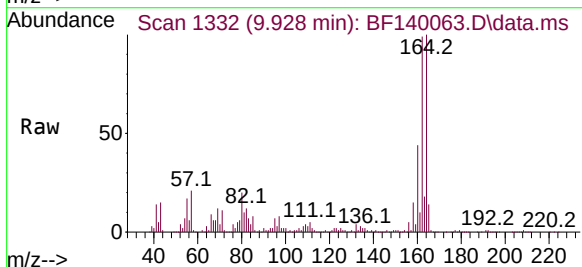
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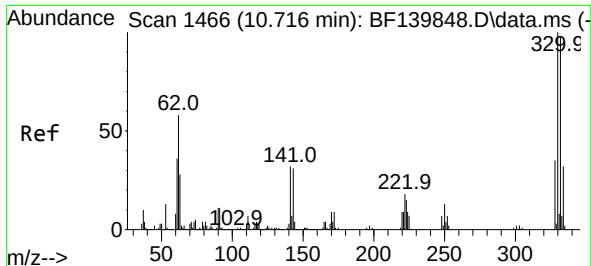
Tgt Ion:113 Resp: 40462
 Ion Ratio Lower Upper
 113 100
 55 328.6 189.2 229.2#
 56 343.6 132.5 172.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.928 min Scan# 1332
 Delta R.T. 0.001 min
 Lab File: BF140063.D
 Acq: 26 Oct 2024 16:48

Tgt Ion:164 Resp: 260201
 Ion Ratio Lower Upper
 164 100
 162 98.8 81.0 121.4
 160 44.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 143.219 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140063.D

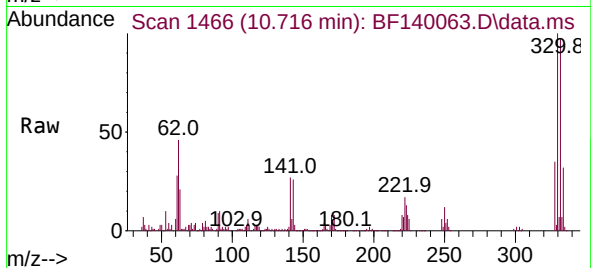
Acq: 26 Oct 2024 16:48

Instrument :

BNA_F

ClientSampleId :

WB-303-BOT



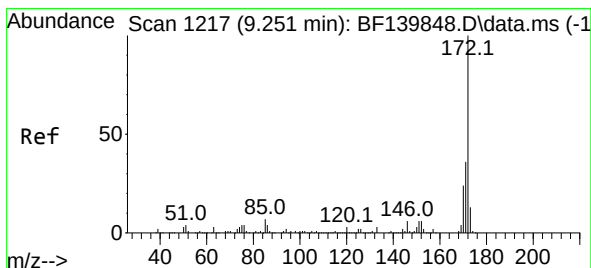
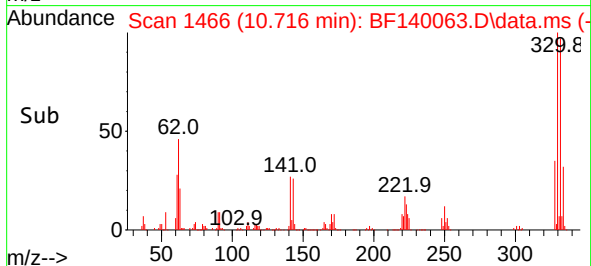
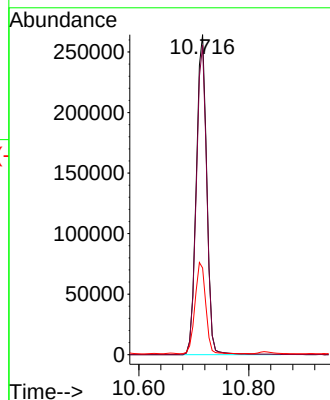
Tgt Ion:330 Resp: 348572

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

141 29.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 93.641 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

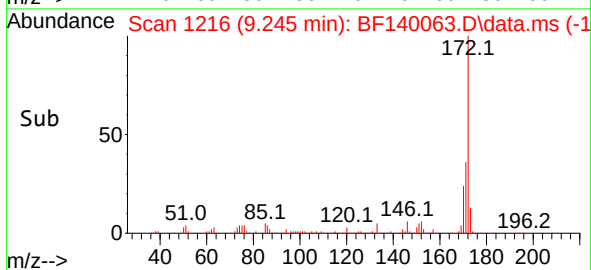
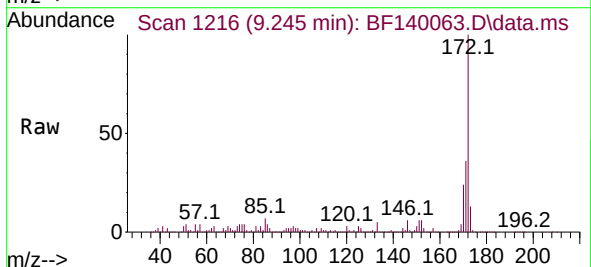
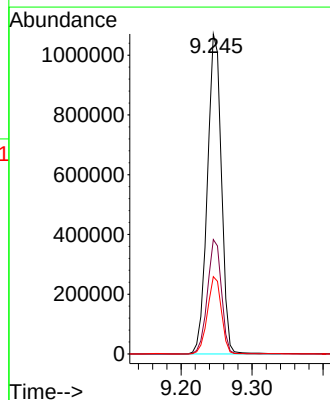
Tgt Ion:172 Resp: 1474289

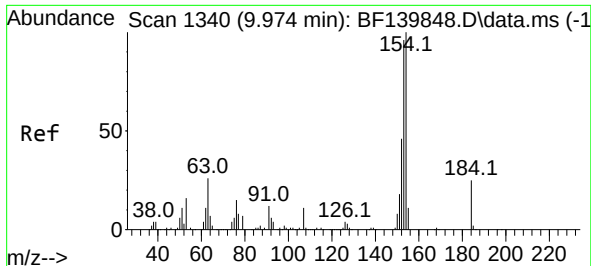
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.2 19.1 28.7

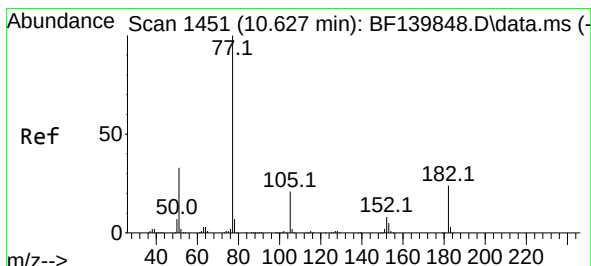
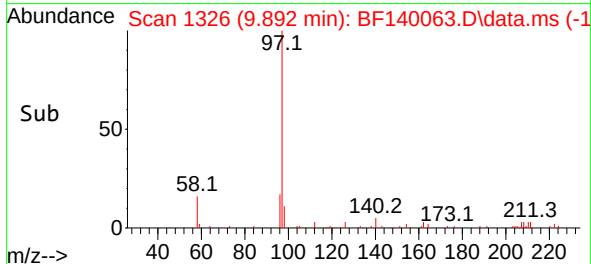
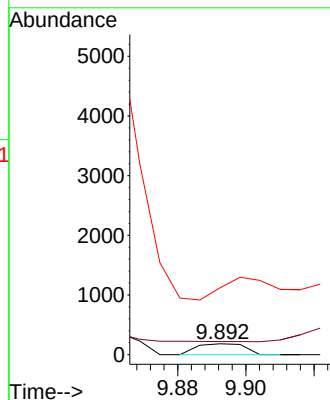
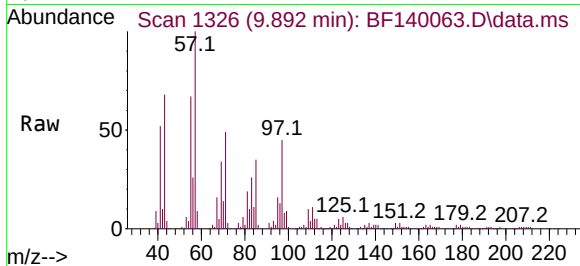




#54
2,4-Dinitrophenol
Concen: 6.641 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.082 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

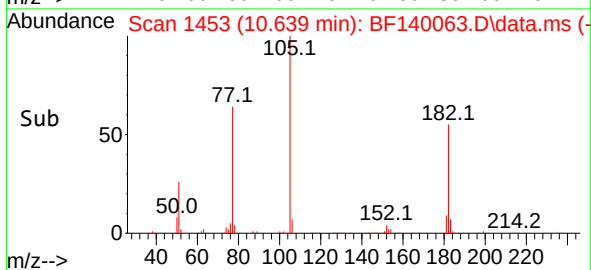
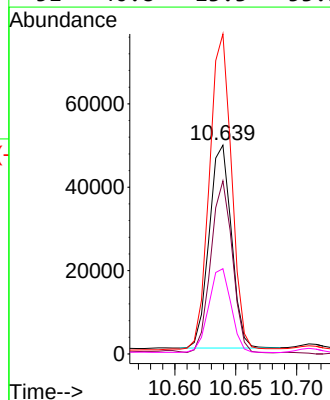
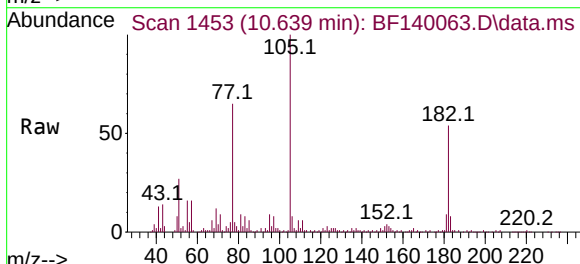
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

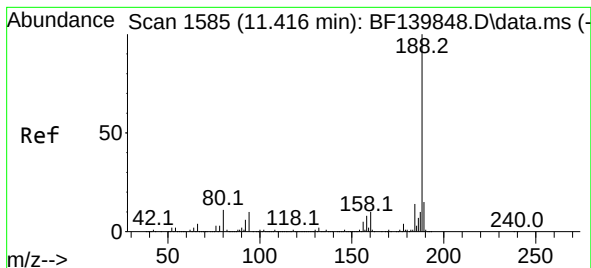
Tgt Ion:184 Resp: 180
Ion Ratio Lower Upper
184 100
63 122.1 84.7 127.1
154 619.9 338.2 507.2#



#63
Azobenzene
Concen: 3.679 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion: 77 Resp: 62067
Ion Ratio Lower Upper
77 100
182 82.9 3.3 43.3#
105 153.2 1.2 41.2#
51 40.8 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

Instrument :

BNA_F

ClientSampleId :

WB-303-BOT

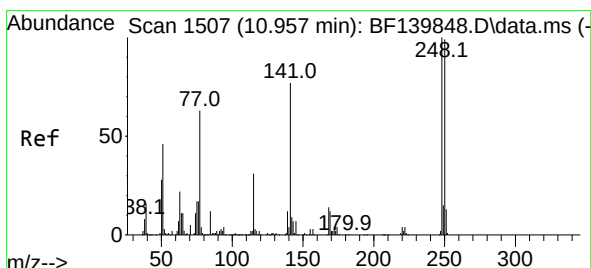
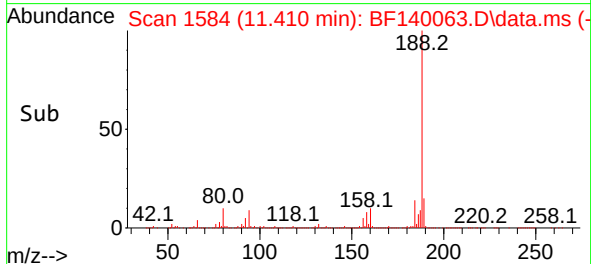
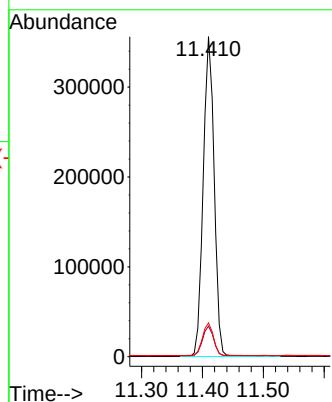
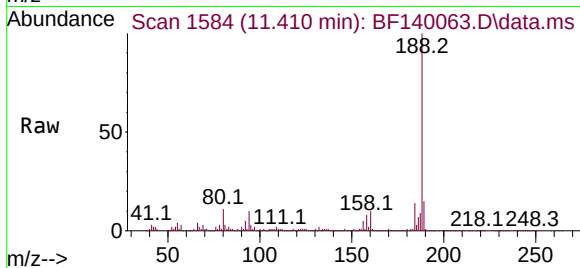
Tgt Ion:188 Resp: 444743

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.833 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

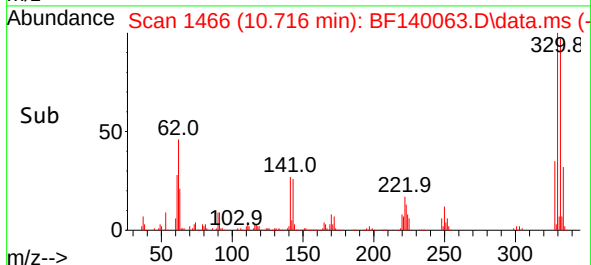
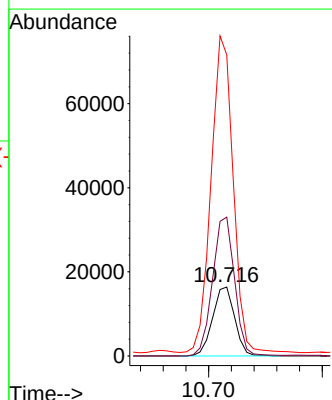
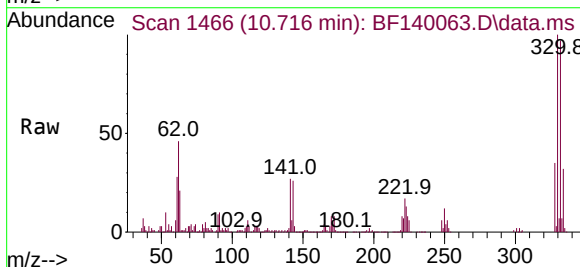
Tgt Ion:248 Resp: 22142

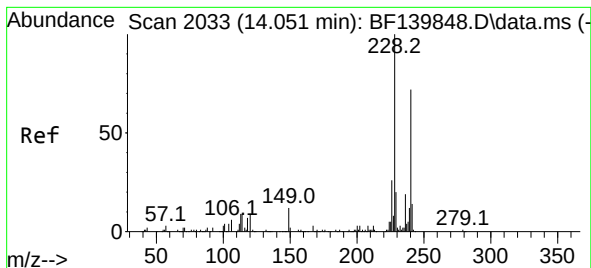
Ion Ratio Lower Upper

248 100

250 201.5 79.0 118.6#

141 436.9 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

Instrument :

BNA_F

ClientSampleId :

WB-303-BOT

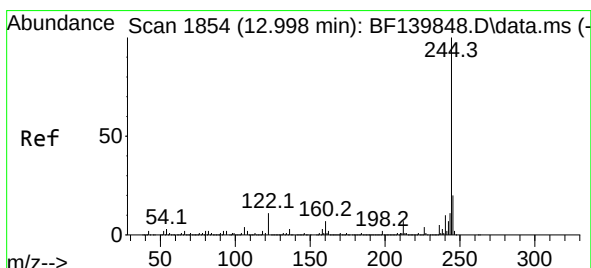
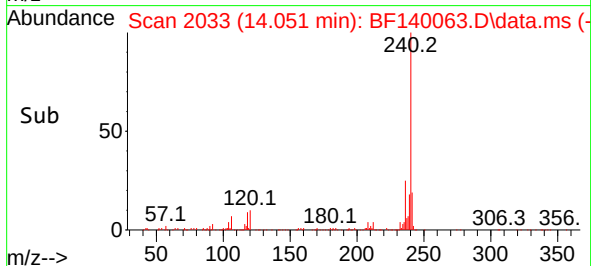
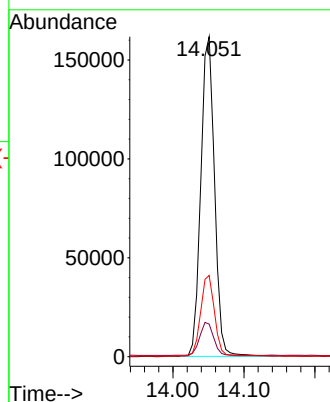
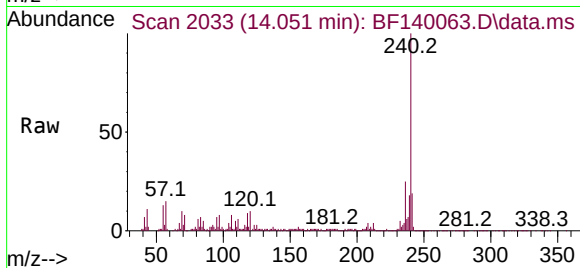
Tgt Ion:240 Resp: 217594

Ion Ratio Lower Upper

240 100

120 10.2 9.4 14.2

236 25.4 20.9 31.3



#79

Terphenyl-d14

Concen: 100.530 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140063.D

Acq: 26 Oct 2024 16:48

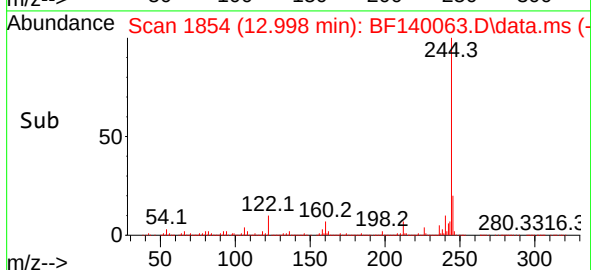
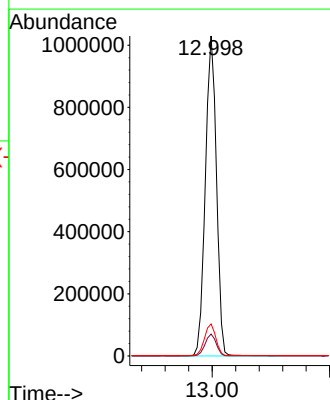
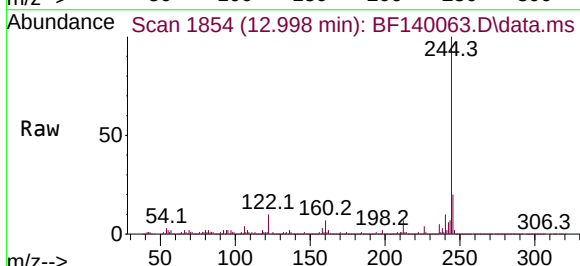
Tgt Ion:244 Resp: 1342432

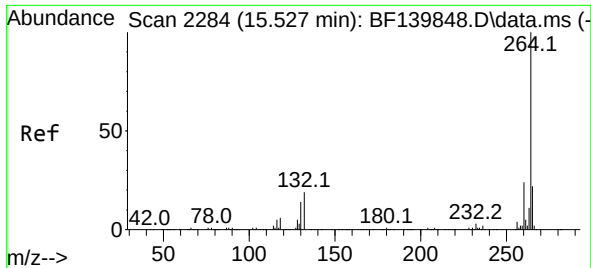
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.0 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF140063.D
 Acq: 26 Oct 2024 16:48

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-BOT

Tgt Ion:264 Resp: 237376
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.7 17.4 26.0

