

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141643.D
 Acq On : 14 Feb 2025 16:56
 Operator : RC/JU
 Sample : Q1356-08RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-FBRE

Quant Time: Feb 14 17:24:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

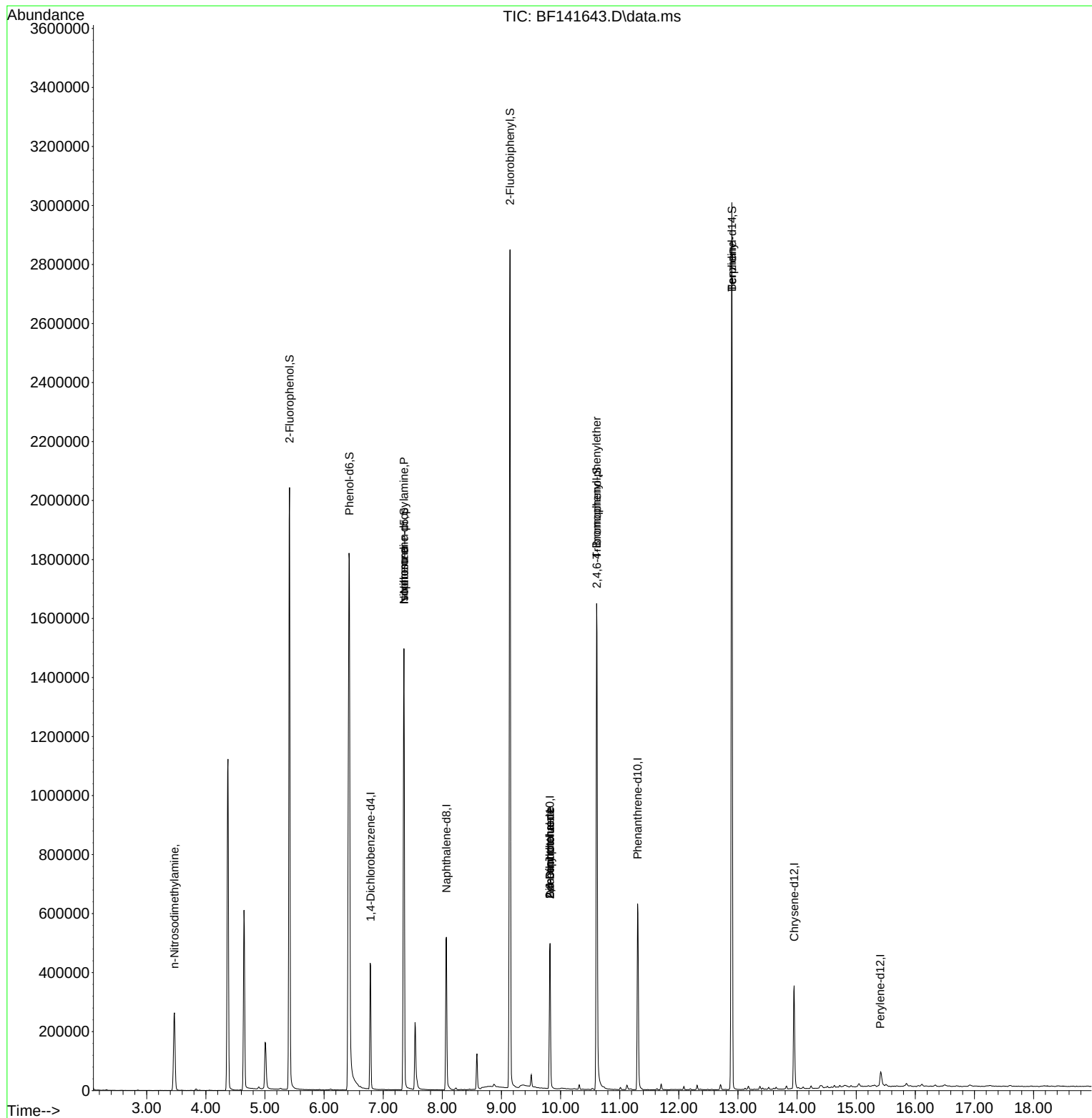
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91363	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372298	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	146430	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	335153	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	159960	20.000	ng	#-0.01
86) Perylene-d12	15.410	264	21958	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	773738	132.770	ng	0.00
7) Phenol-d6	6.428	99	767359	104.180	ng	-0.01
23) Nitrobenzene-d5	7.351	82	716237	100.343	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	299878	203.866	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1316459	138.509	ng	0.00
79) Terphenyl-d14	12.898	244	1486746	156.907	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.469	42	8524	2.306	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	96548	21.913	ng	# 73
25) Isophorone	7.351	82	693665	60.949	ng	# 66
50) Dimethylphthalate	9.822	163	33624	3.382	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	18484	8.506	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	18485	6.390	ng	# 20
67) 4-Bromophenyl-phenylether	10.610	248	20459	5.462	ng	# 1
77) Benzidine	12.898	184	19614	5.560	ng	# 95

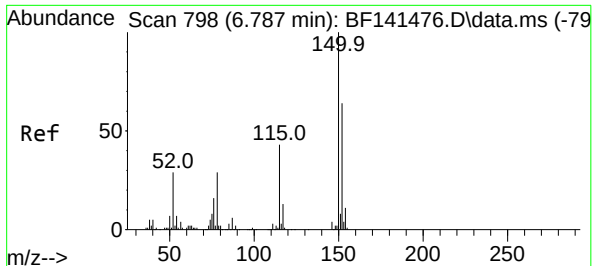
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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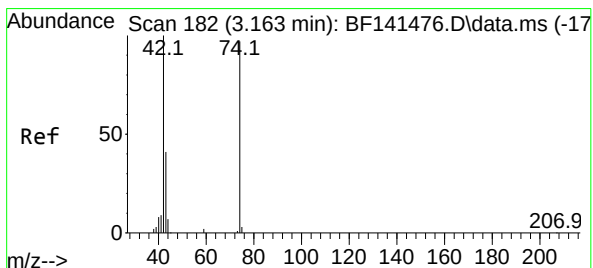
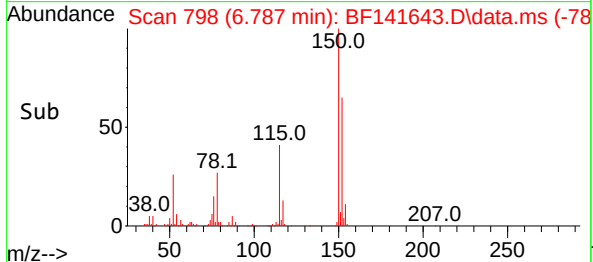
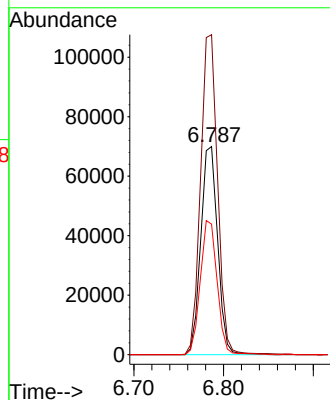
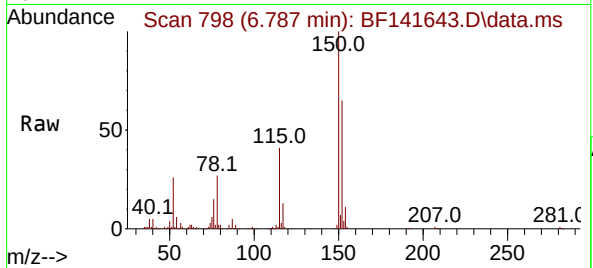




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

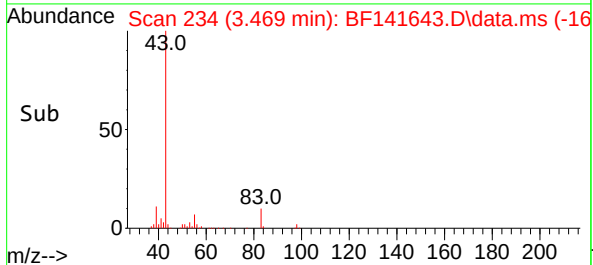
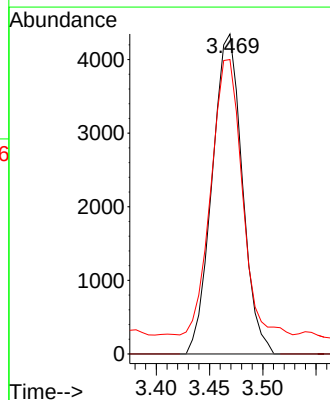
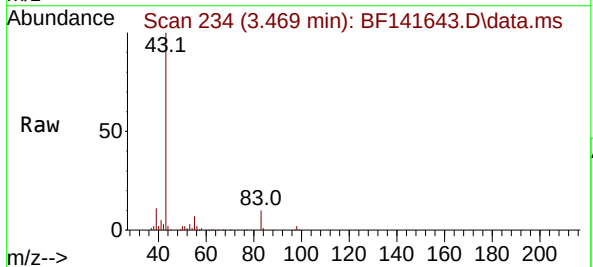
Instrument :
BNA_F
ClientSampleId :
WATER-FBRE

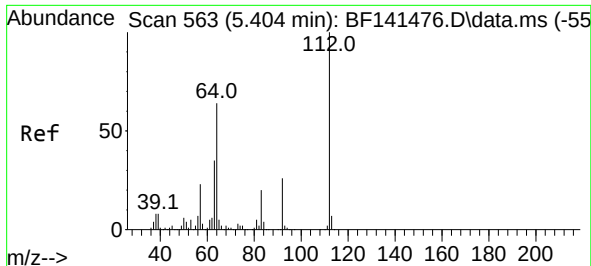
Tgt Ion:152 Resp: 91363
Ion Ratio Lower Upper
152 100
150 153.8 125.0 187.4
115 62.7 53.6 80.4



#4
n-Nitrosodimethylamine
Concen: 2.306 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.282 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion: 42 Resp: 8524
Ion Ratio Lower Upper
42 100
74 0.0 78.0 117.0#
44 92.0 5.4 8.2#

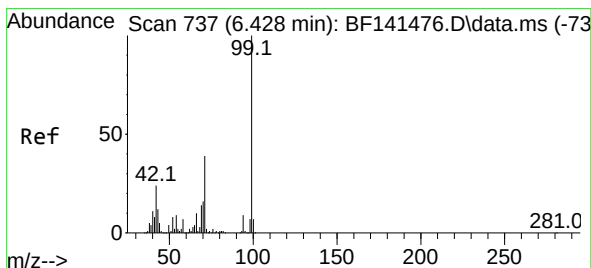
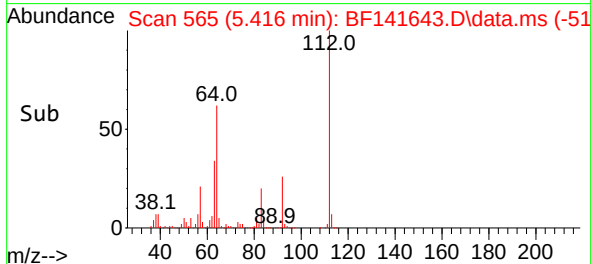
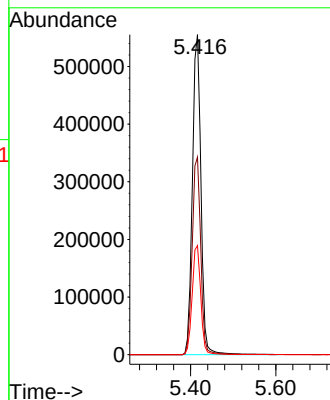
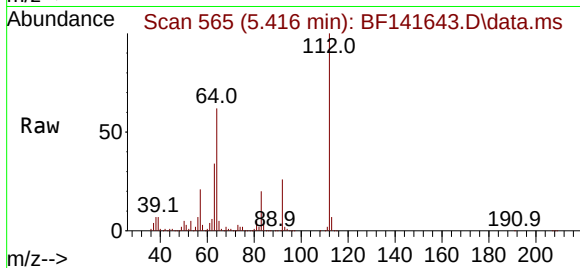




#5
2-Fluorophenol
Concen: 132.770 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

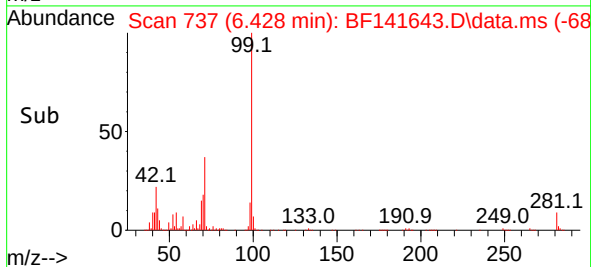
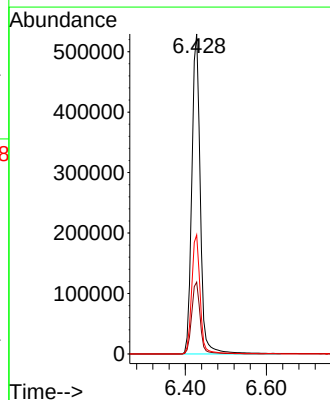
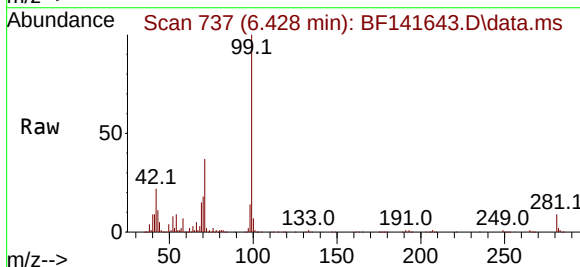
Instrument :
BNA_F
ClientSampleId :
WATER-FBRE

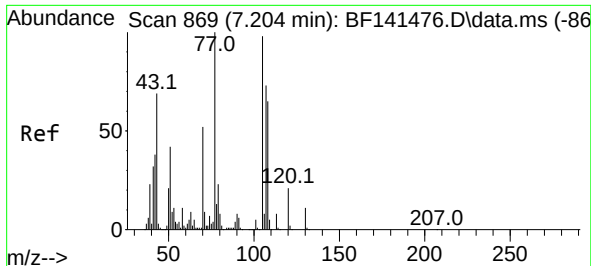
Tgt Ion:112 Resp: 773738
Ion Ratio Lower Upper
112 100
64 61.7 51.1 76.7
63 34.1 28.4 42.6



#7
Phenol-d6
Concen: 104.180 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion: 99 Resp: 767359
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 37.2 31.1 46.7

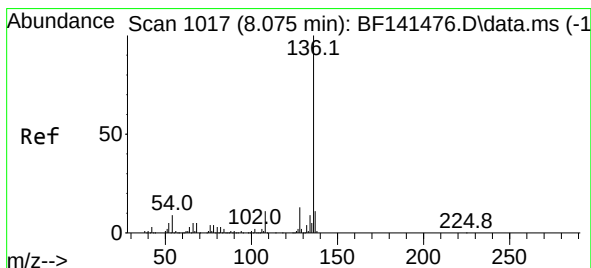
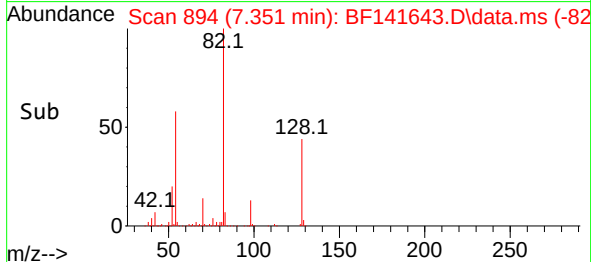
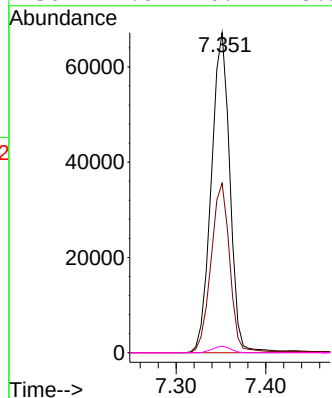
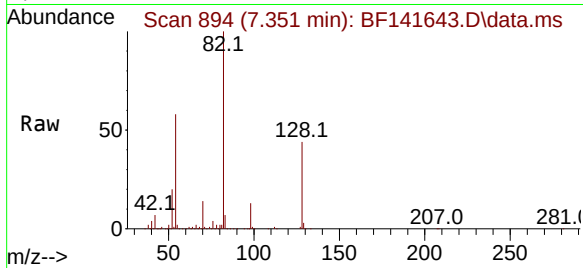




#19
n-Nitroso-di-n-propylamine
Concen: 21.913 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

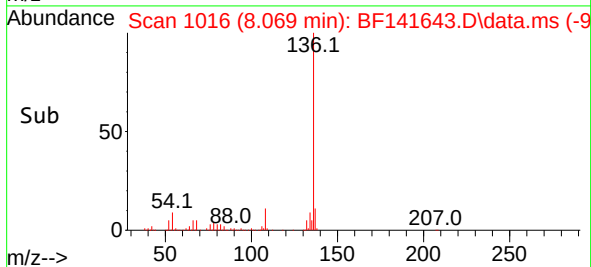
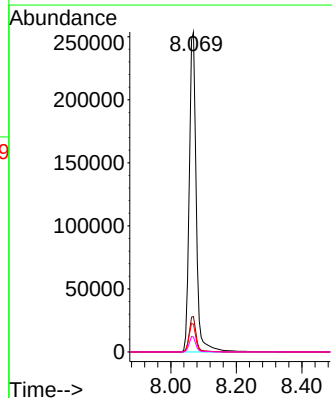
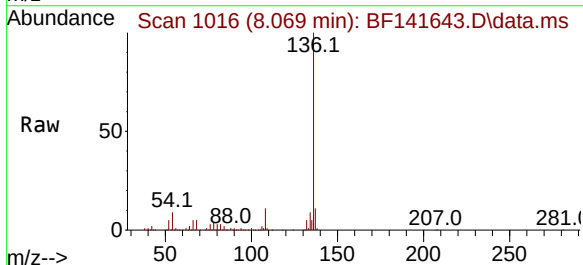
Instrument :
BNA_F
ClientSampleId :
WATER-FBRE

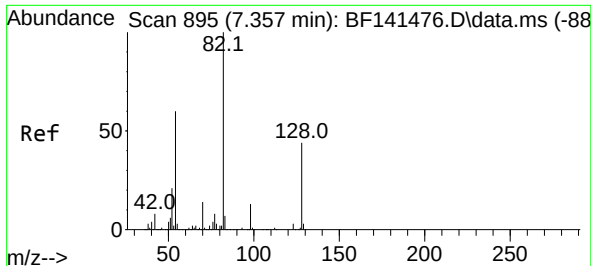
Tgt Ion: 70 Resp: 96548
Ion Ratio Lower Upper
70 100
42 52.9 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion: 136 Resp: 372298
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 100.343 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141643.D

Acq: 14 Feb 2025 16:56

Instrument :

BNA_F

ClientSampleId :

WATER-FBRE

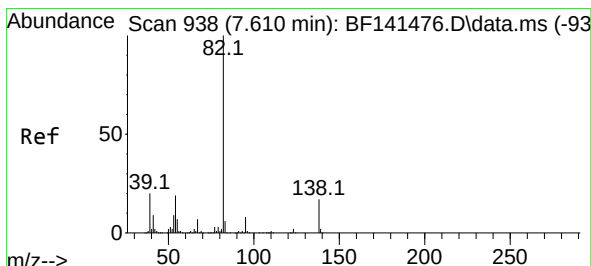
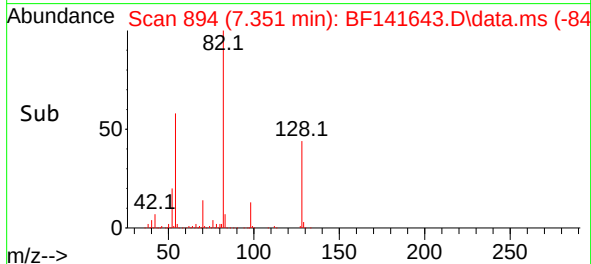
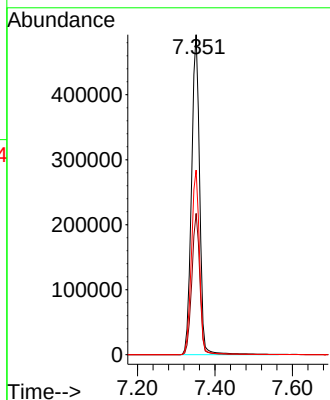
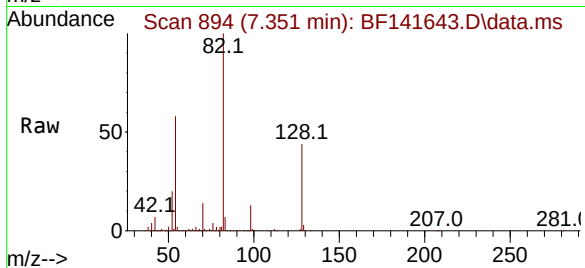
Tgt Ion: 82 Resp: 716237

Ion Ratio Lower Upper

82 100

128 44.1 34.8 52.2

54 57.7 48.2 72.4



#25

Isophorone

Concen: 60.949 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF141643.D

Acq: 14 Feb 2025 16:56

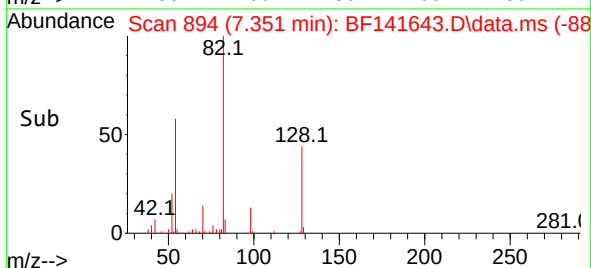
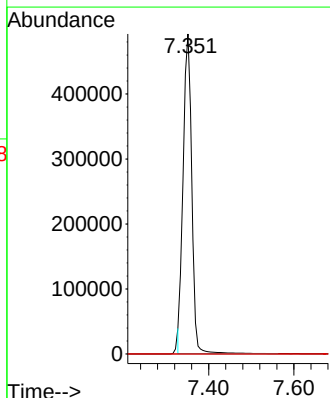
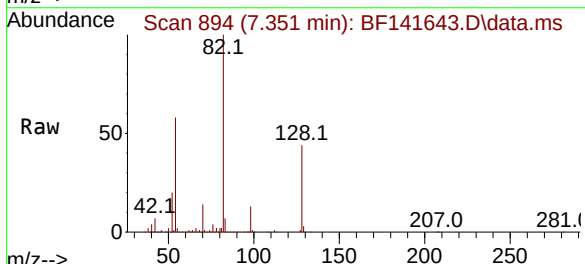
Tgt Ion: 82 Resp: 693665

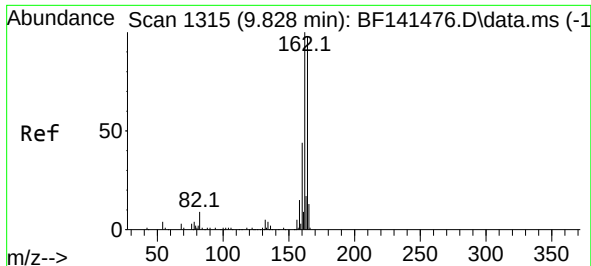
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.9 20.9#

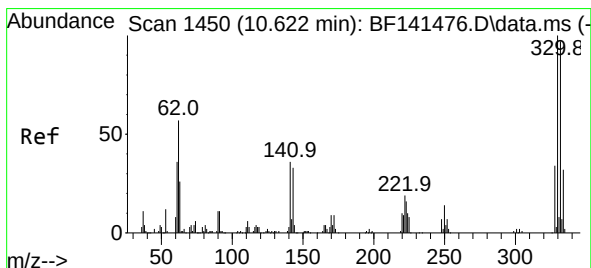
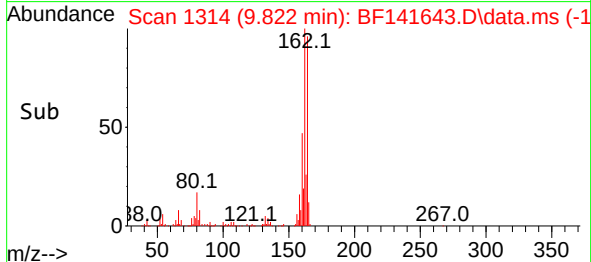
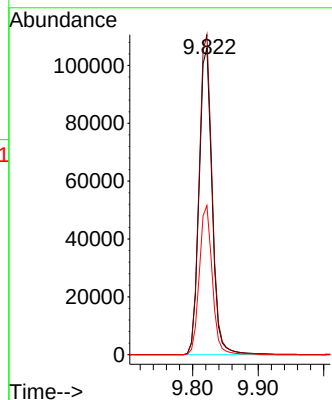
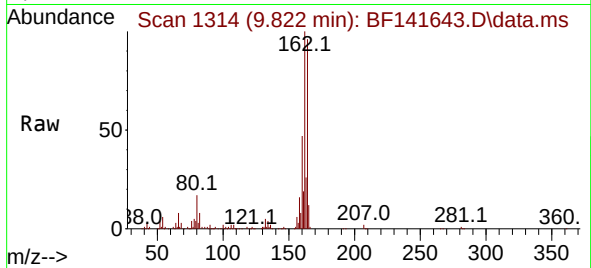




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

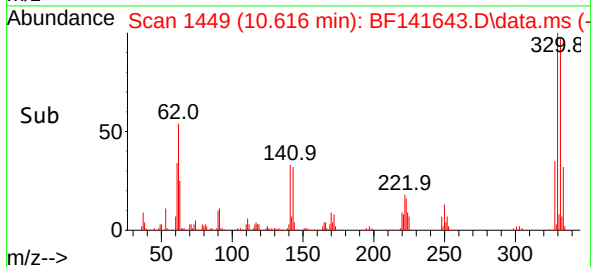
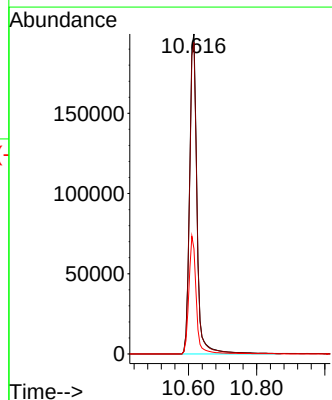
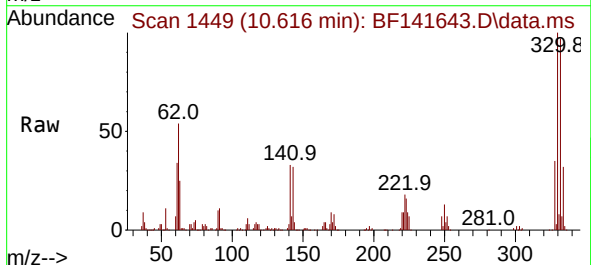
Instrument :
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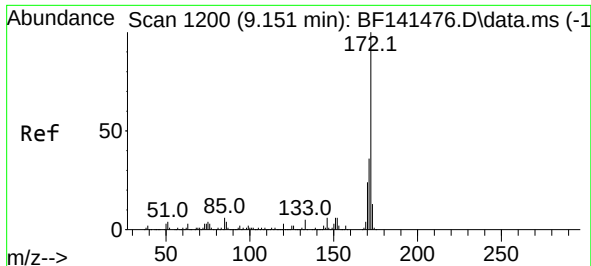
Tgt Ion:164 Resp: 146430
Ion Ratio Lower Upper
164 100
162 104.4 81.3 121.9
160 48.6 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 203.866 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion:330 Resp: 299878
Ion Ratio Lower Upper
330 100
332 96.9 78.5 117.7
141 36.5 31.0 46.4

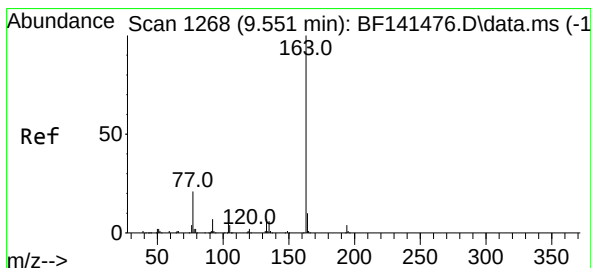
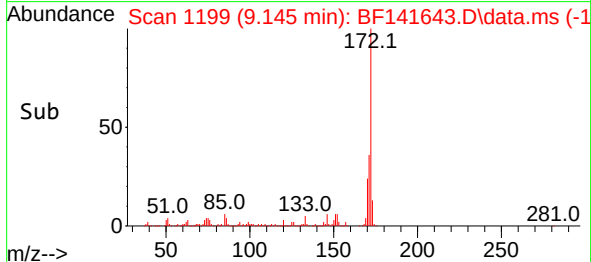
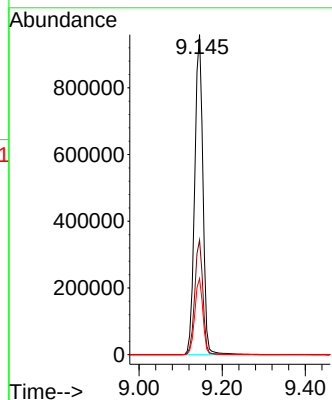
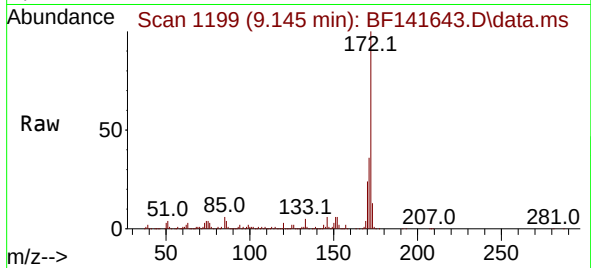




#45
2-Fluorobiphenyl
Concen: 138.509 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

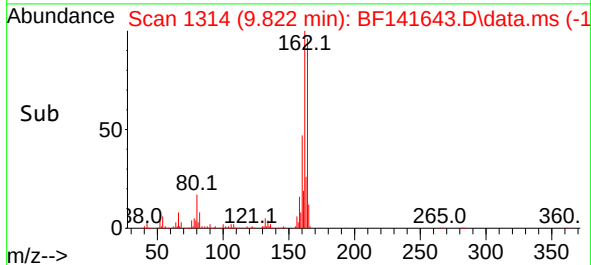
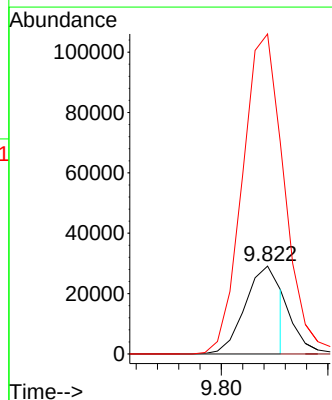
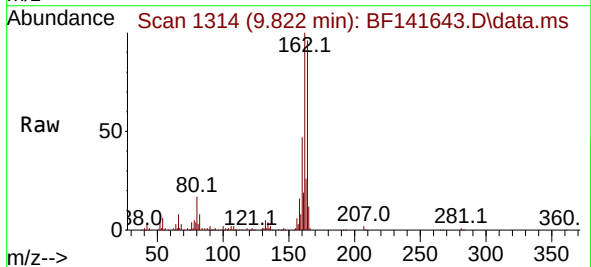
Instrument :
BNA_F
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WATER-FBRE

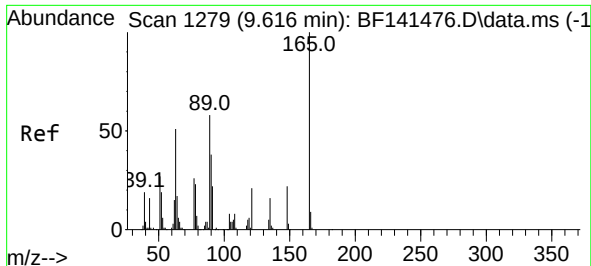
Tgt Ion:172 Resp: 1316459
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.8 18.9 28.3



#50
Dimethylphthalate
Concen: 3.382 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion:163 Resp: 33624
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 364.4 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 8.506 ng

RT: 9.822 min Scan# 1314

Delta R.T. 0.200 min

Lab File: BF141643.D

Acq: 14 Feb 2025 16:56

Instrument :

BNA_F

ClientSampleId :

WATER-FBRE

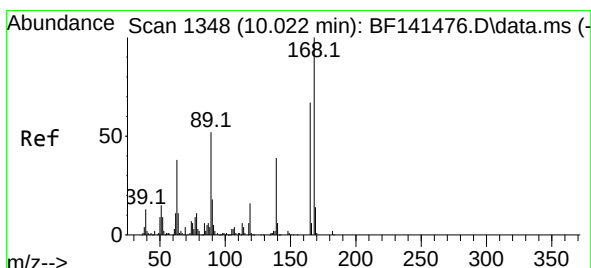
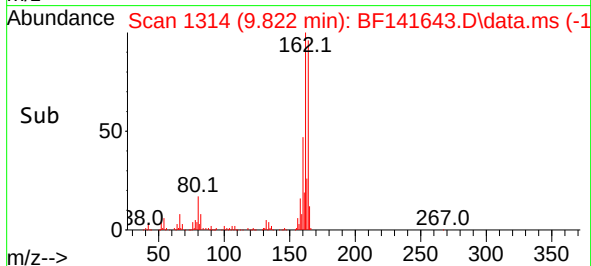
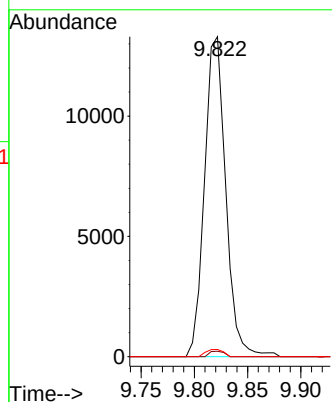
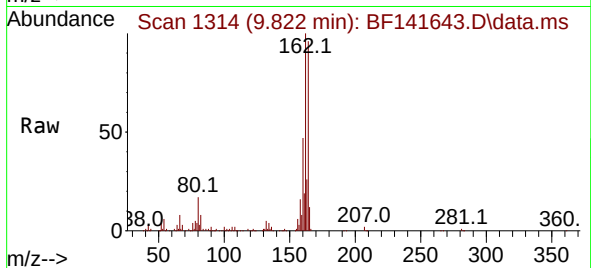
Tgt Ion:165 Resp: 18484

Ion Ratio Lower Upper

165 100

63 1.7 49.4 74.0#

89 2.3 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.390 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141643.D

Acq: 14 Feb 2025 16:56

Tgt Ion:165 Resp: 18485

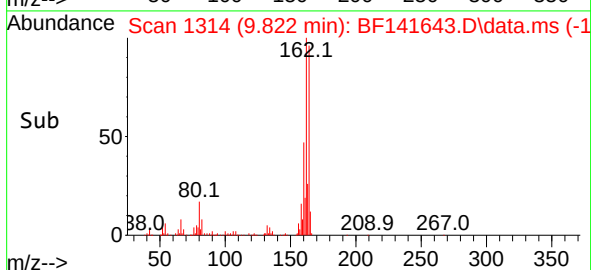
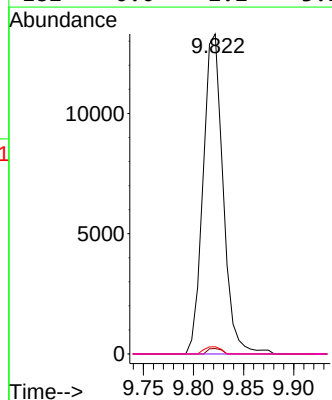
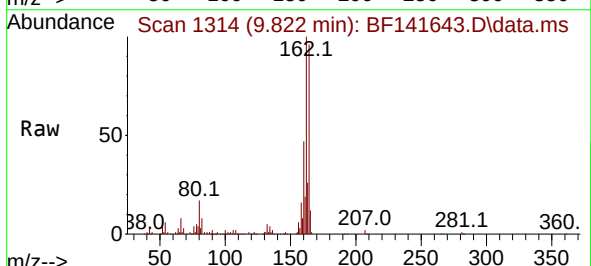
Ion Ratio Lower Upper

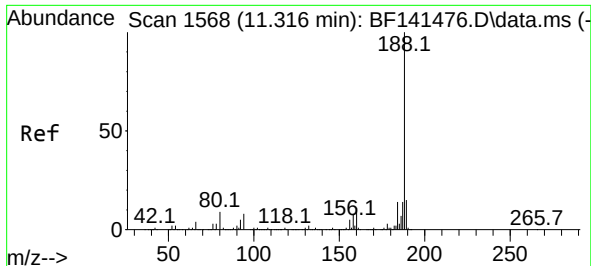
165 100

63 1.7 46.4 69.6#

89 2.3 61.8 92.6#

182 0.0 2.2 3.2#

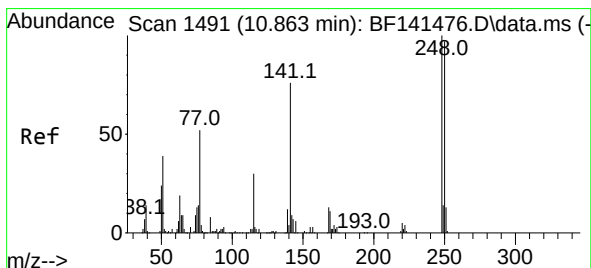
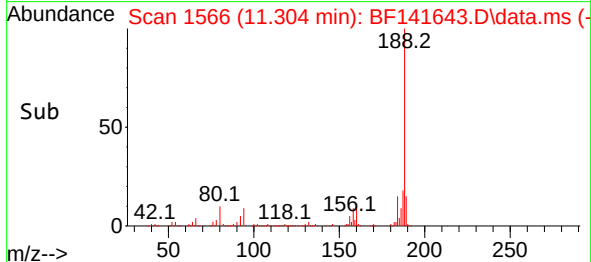
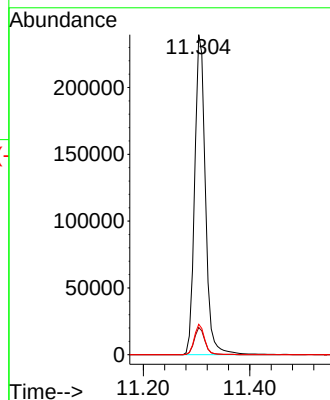
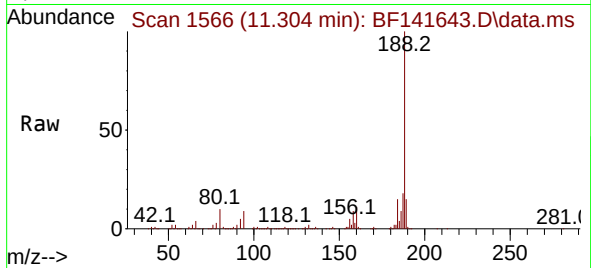




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

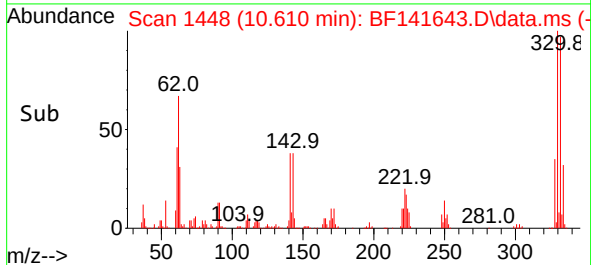
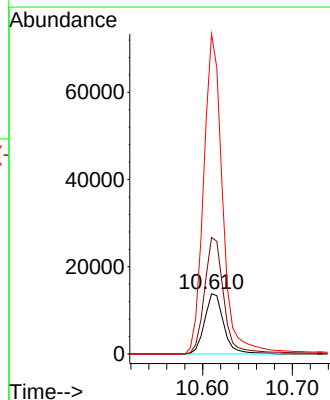
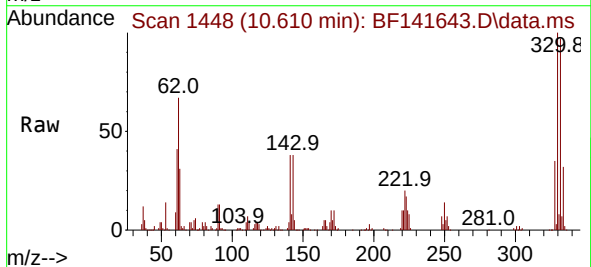
Instrument :
BNA_F
ClientSampleId :
WATER-FBRE

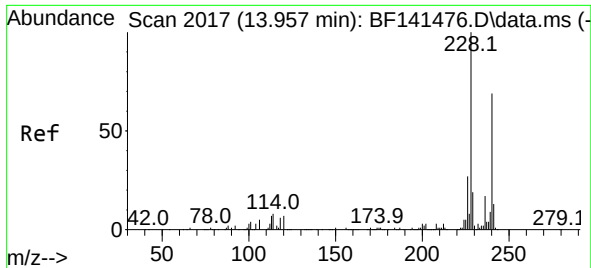
Tgt Ion:188 Resp: 335153
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.5 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 5.462 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion:248 Resp: 20459
Ion Ratio Lower Upper
248 100
250 193.6 77.8 116.6#
141 532.1 60.6 90.8#

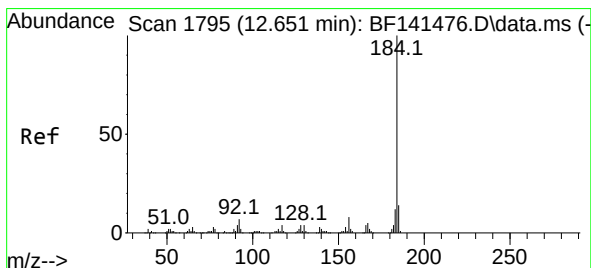
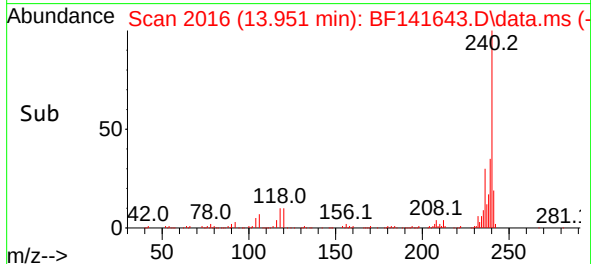
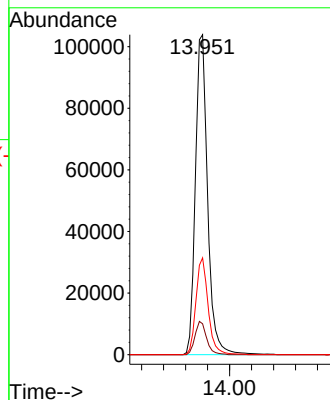
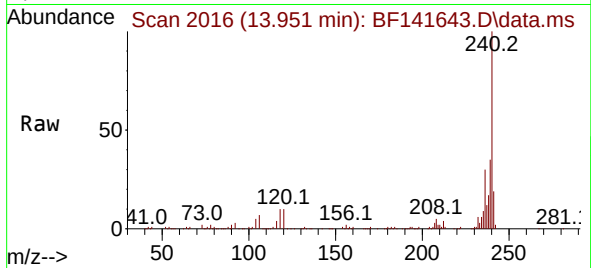




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

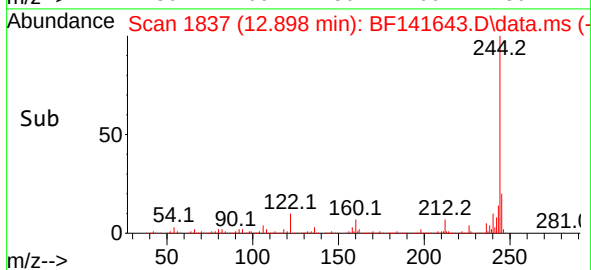
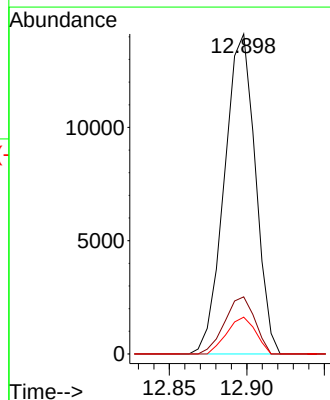
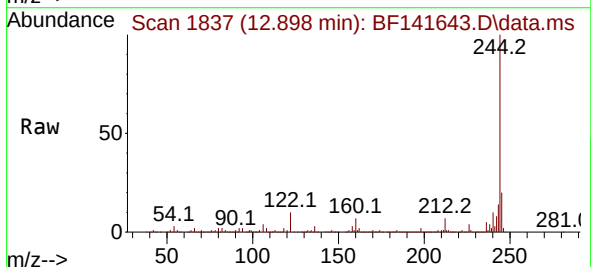
Instrument :
BNA_F
ClientSampleId :
WATER-FBRE

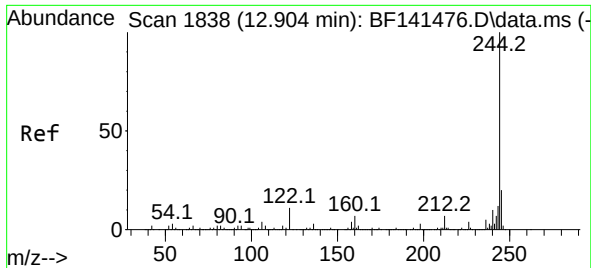
Tgt Ion:240 Resp: 159960
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 30.3 19.8 29.8#



#77
Benzidine
Concen: 5.560 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF141643.D
Acq: 14 Feb 2025 16:56

Tgt Ion:184 Resp: 19614
Ion Ratio Lower Upper
184 100
185 17.9 11.3 16.9#
183 11.5 9.3 13.9

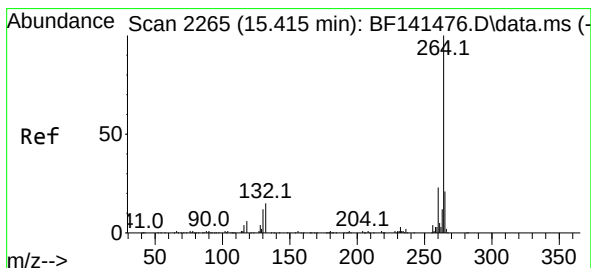
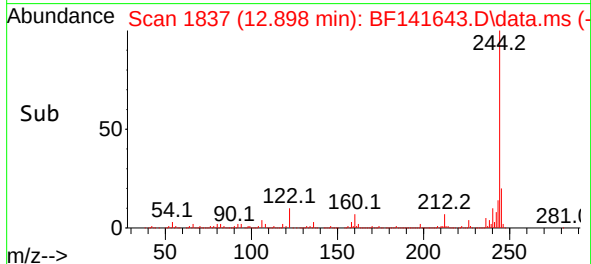
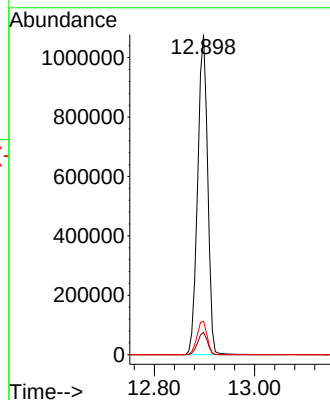
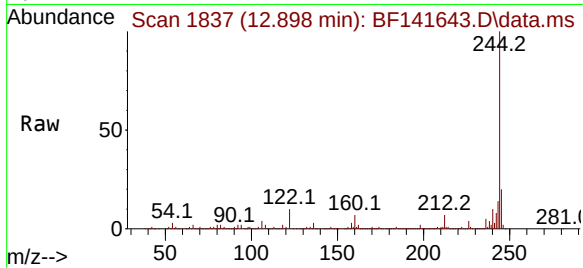




#79
 Terphenyl-d14
 Concen: 156.907 ng
 RT: 12.898 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF141643.D
 Acq: 14 Feb 2025 16:56

Instrument :
 BNA_F
 ClientSampleId :
 WATER-FBRE

Tgt Ion:244 Resp: 1486746
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.5 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141643.D
 Acq: 14 Feb 2025 16:56

Tgt Ion:264 Resp: 21958
 Ion Ratio Lower Upper
 264 100
 260 33.1 18.6 28.0#
 265 18.8 17.0 25.4

