

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141787.D
 Acq On : 26 Feb 2025 17:27
 Operator : RC/JU
 Sample : Q1415-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-173-GW01

Quant Time: Feb 26 17:55:06 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)

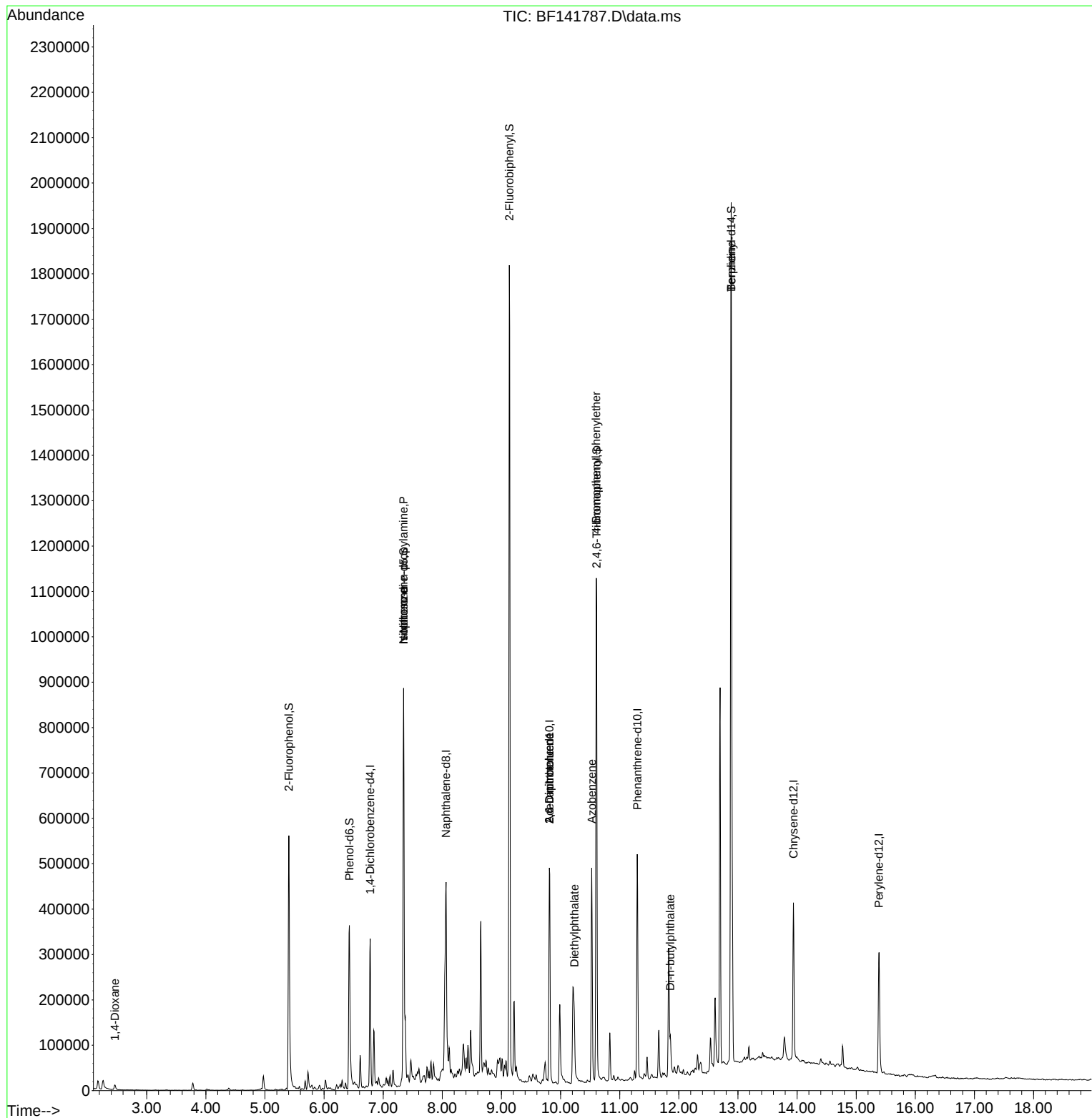
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	70131	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	281804	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	154242	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	262674	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	181385	20.000	ng	-0.02
86) Perylene-d12	15.386	264	166658	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	256729	57.390	ng	0.00
7) Phenol-d6	6.428	99	210736	37.272	ng	-0.01
23) Nitrobenzene-d5	7.345	82	400696	74.164	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	188302	121.530	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	807667	80.674	ng	-0.02
79) Terphenyl-d14	12.886	244	947562	88.191	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.463	88	6291	3.494	ng	99
19) n-Nitroso-di-n-propyla...	7.345	70	55527	16.418	ng	# 71
25) Isophorone	7.345	82	385600	44.761	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	19040	8.318	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	19040	6.248	ng	# 19
60) Diethylphthalate	10.233	149	50289	4.881	ng	100
63) Azobenzene	10.528	77	117214	11.445	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	12399	4.223	ng	# 1
74) Di-n-butylphthalate	11.857	149	42344	2.804	ng	100
77) Benzidine	12.886	184	12521	3.130	ng	# 3

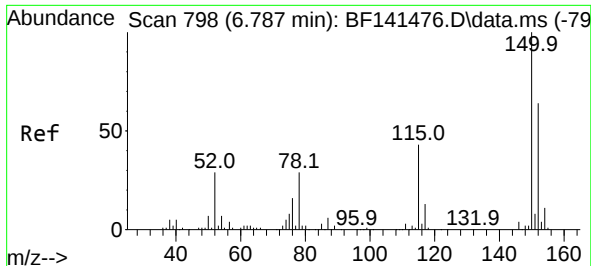
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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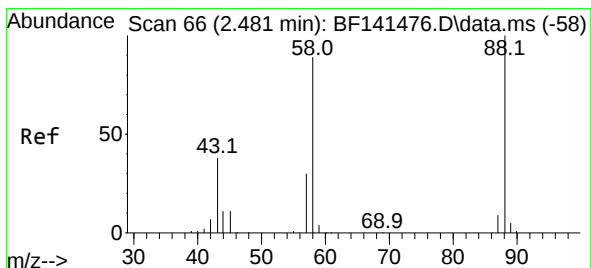
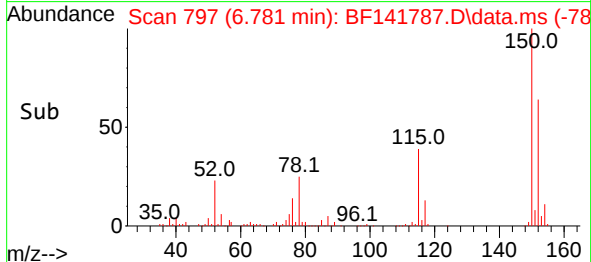
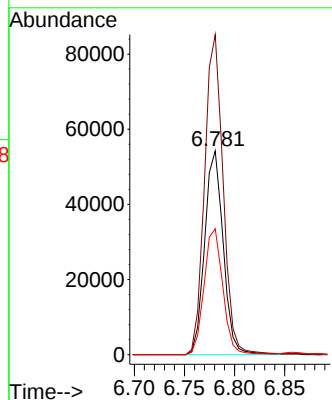
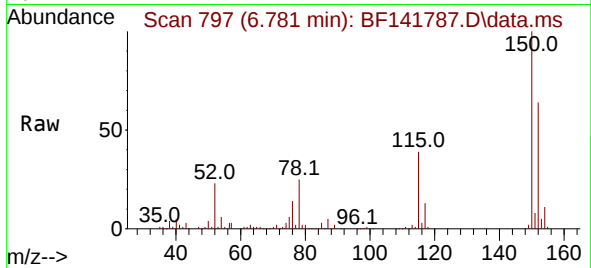




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141787.D
 Acq: 26 Feb 2025 17:27

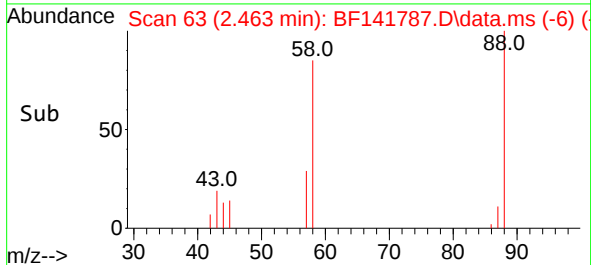
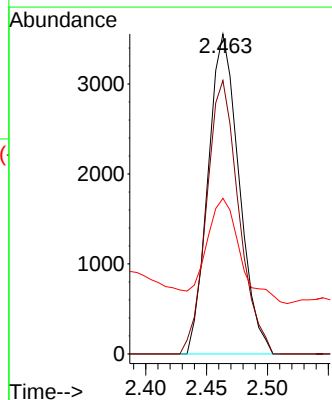
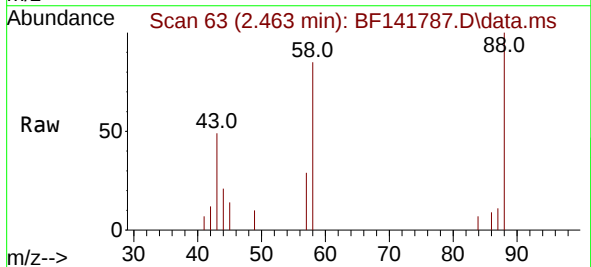
Instrument :
 BNA_F
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 B-173-GW01

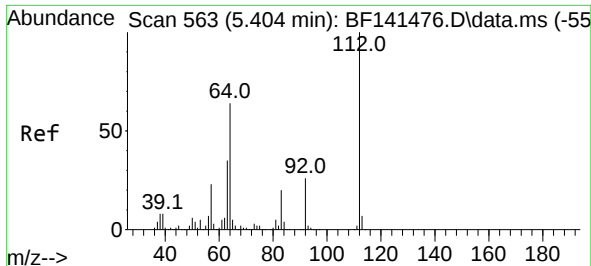
Tgt Ion:152 Resp: 70131
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.0 187.4
 115 61.8 53.6 80.4



#2
 1,4-Dioxane
 Concen: 3.494 ng
 RT: 2.463 min Scan# 63
 Delta R.T. -0.018 min
 Lab File: BF141787.D
 Acq: 26 Feb 2025 17:27

Tgt Ion: 88 Resp: 6291
 Ion Ratio Lower Upper
 88 100
 58 88.7 71.1 106.7
 43 35.7 30.6 46.0

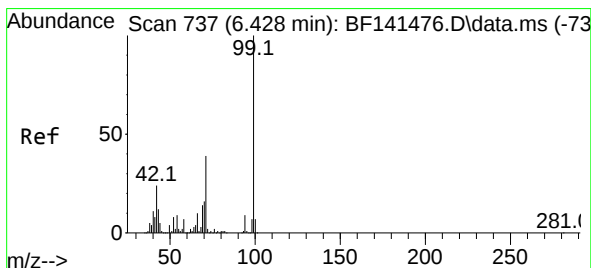
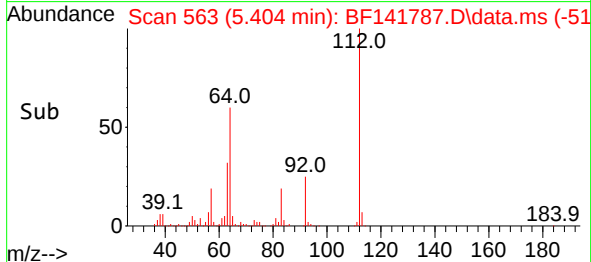
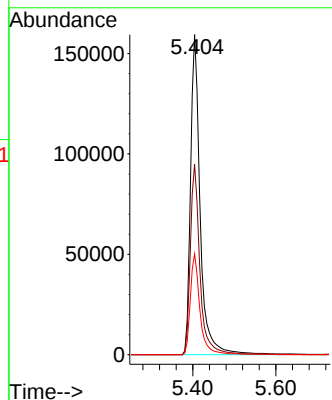
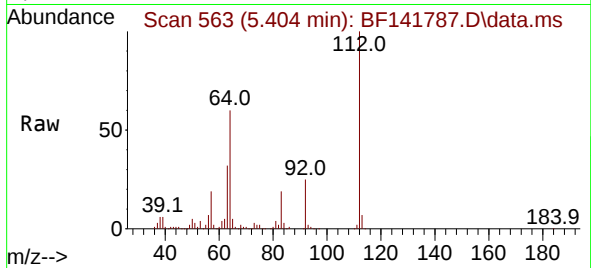




#5
2-Fluorophenol
Concen: 57.390 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

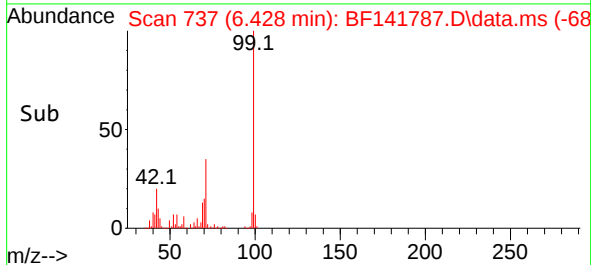
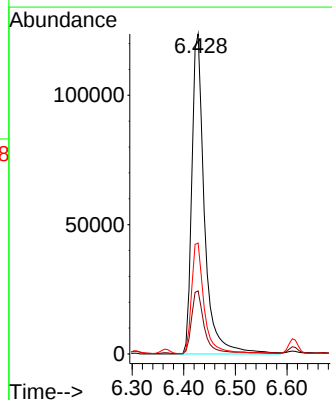
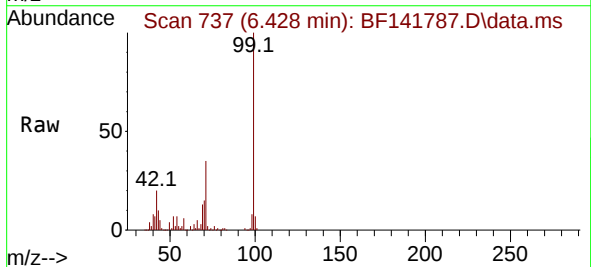
Instrument :
BNA_F
ClientSampleId :
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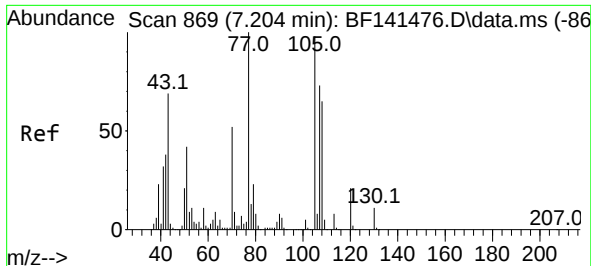
Tgt Ion:112 Resp: 256729
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 31.5 28.4 42.6



#7
Phenol-d6
Concen: 37.272 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

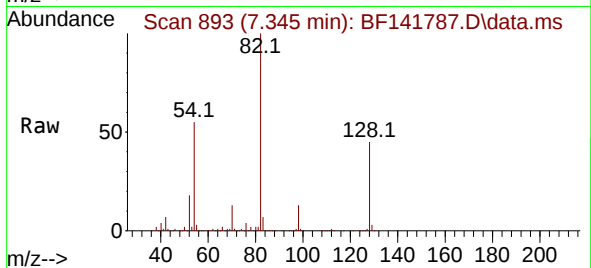
Tgt Ion: 99 Resp: 210736
Ion Ratio Lower Upper
99 100
42 19.7 19.1 28.7
71 34.7 31.1 46.7



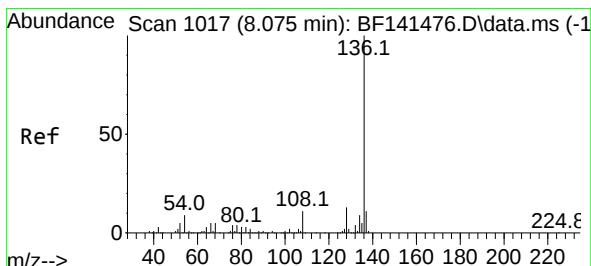
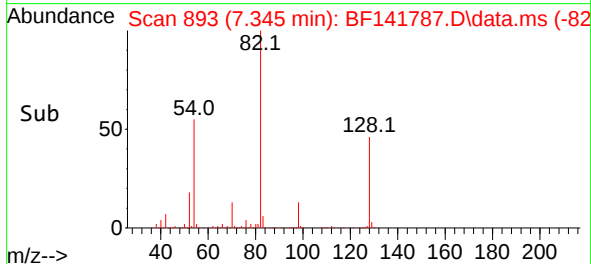
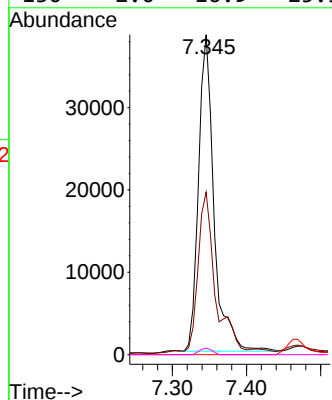


#19
n-Nitroso-di-n-propylamine
Concen: 16.418 ng
RT: 7.345 min Scan# 89
Delta R.T. 0.130 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Instrument :
BNA_F
ClientSampleId :
B-173-GW01

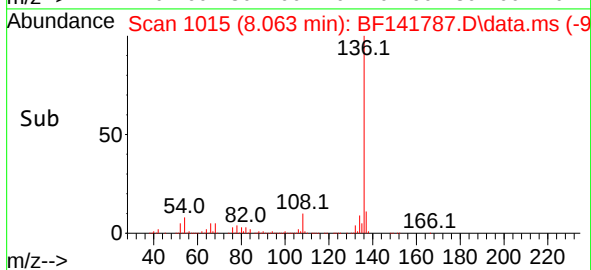
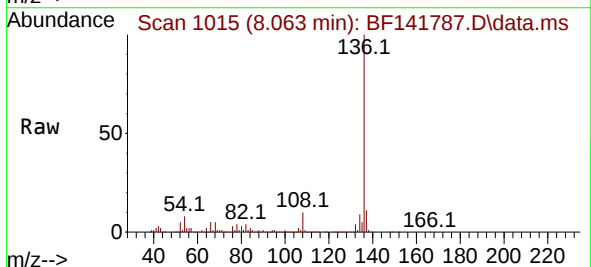
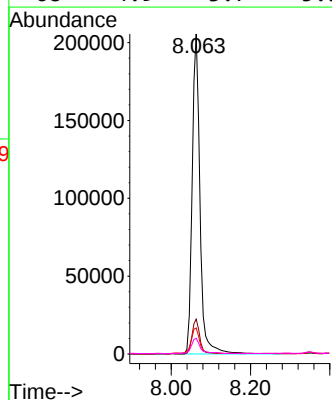


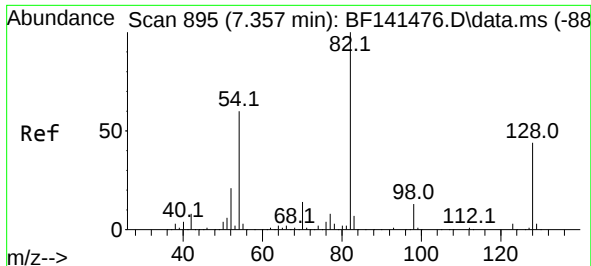
Tgt Ion: 70 Resp: 55527
Ion Ratio Lower Upper
70 100
42 50.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Tgt Ion: 136 Resp: 281804
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 74.164 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

Instrument :

BNA_F

ClientSampleId :

B-173-GW01

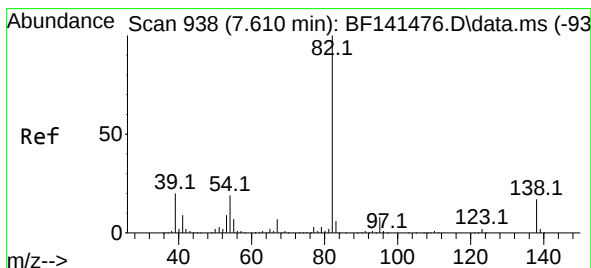
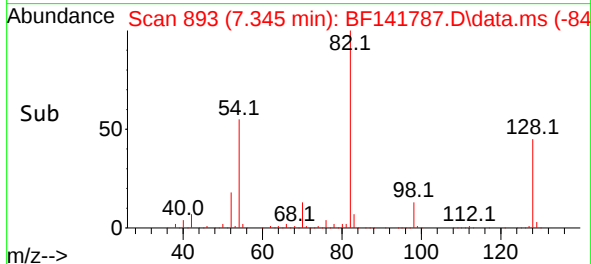
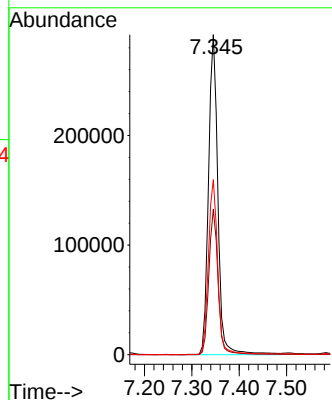
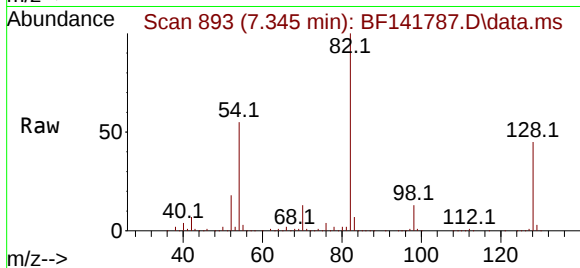
Tgt Ion: 82 Resp: 400696

Ion Ratio Lower Upper

82 100

128 45.4 34.8 52.2

54 54.7 48.2 72.4



#25

Isophorone

Concen: 44.761 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.276 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

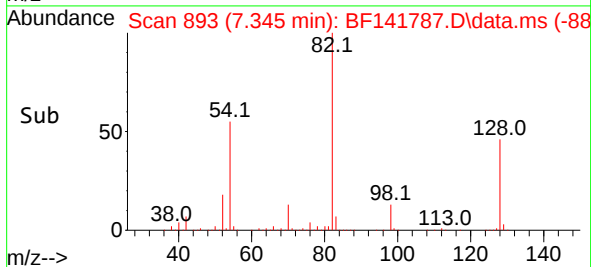
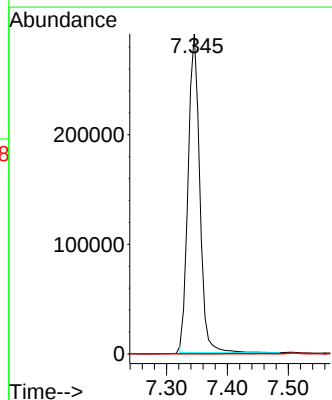
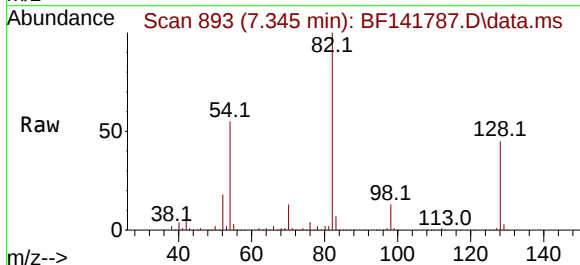
Tgt Ion: 82 Resp: 385600

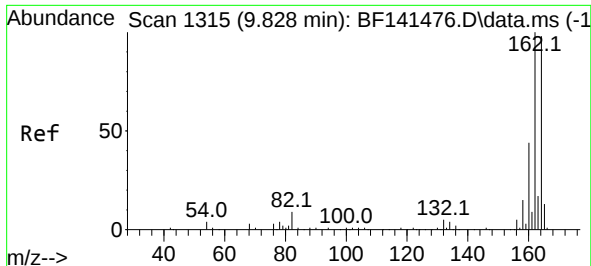
Ion Ratio Lower Upper

82 100

95 0.1 6.4 9.6#

138 0.0 13.9 20.9#

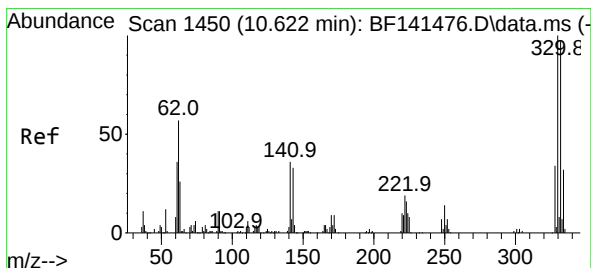
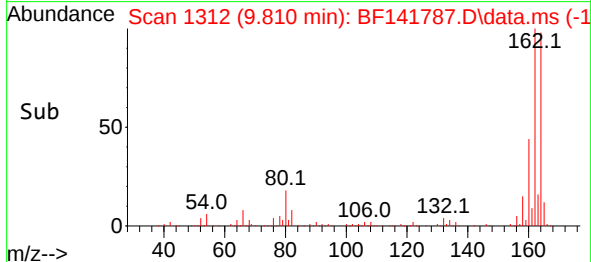
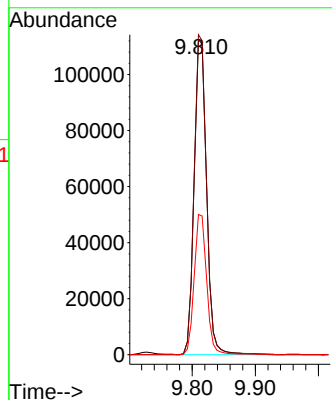
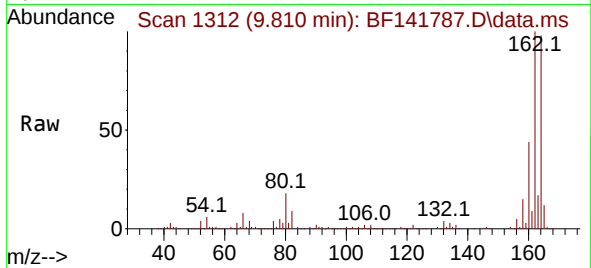




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

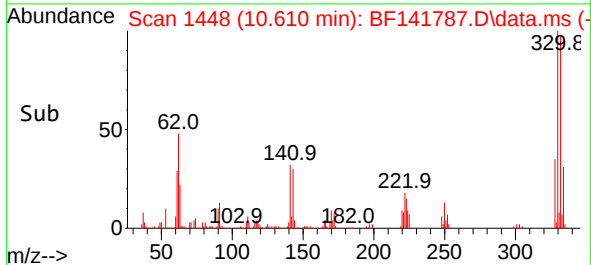
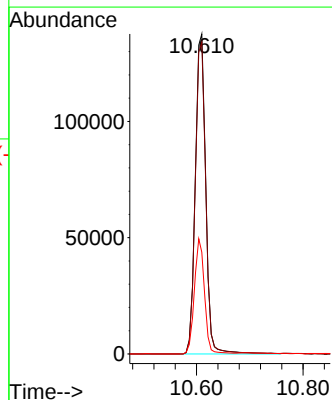
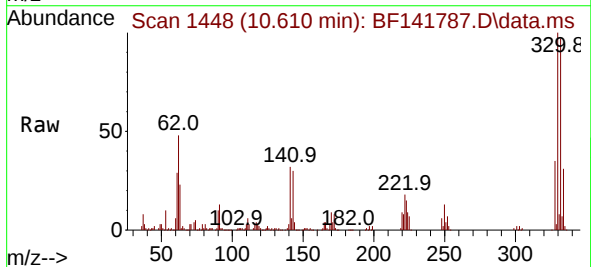
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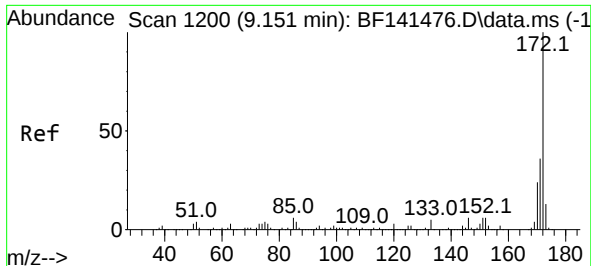
Tgt Ion:164 Resp: 154242
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 121.530 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Tgt Ion:330 Resp: 188302
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 34.8 31.0 46.4

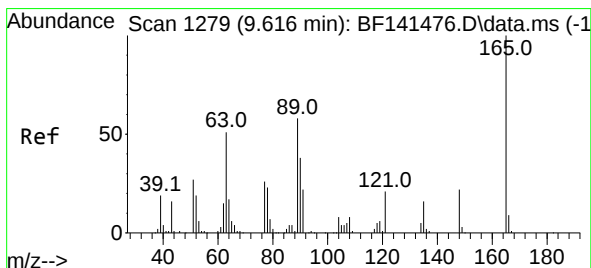
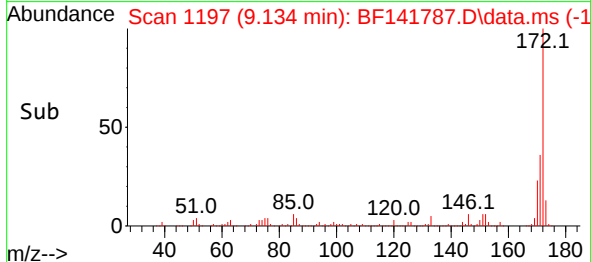
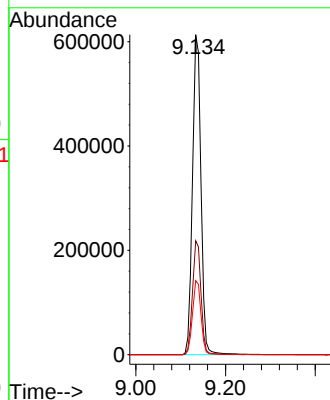
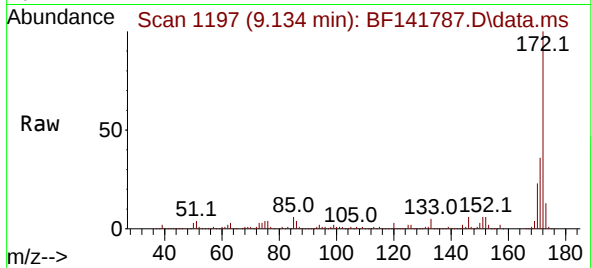




#45
2-Fluorobiphenyl
Concen: 80.674 ng
RT: 9.134 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

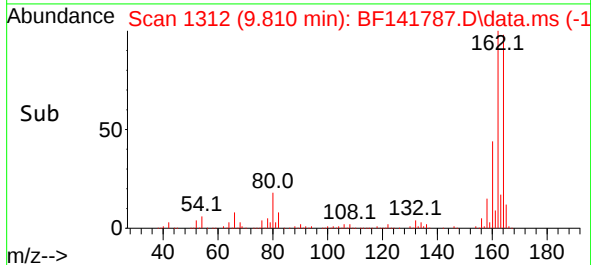
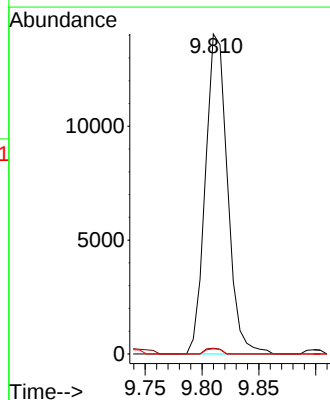
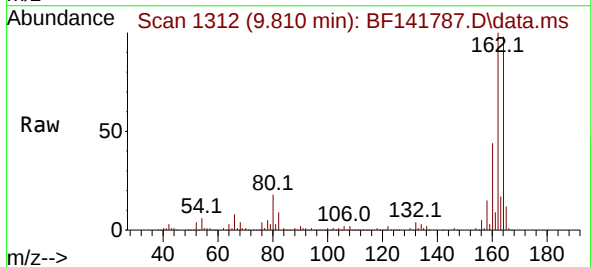
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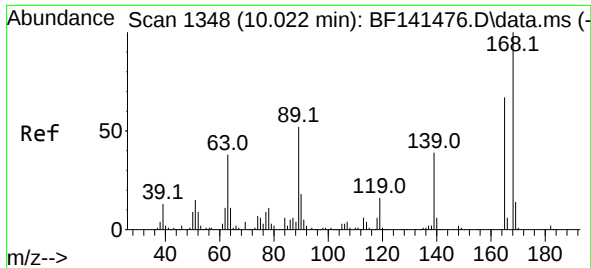
Tgt Ion:172 Resp: 807667
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.318 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

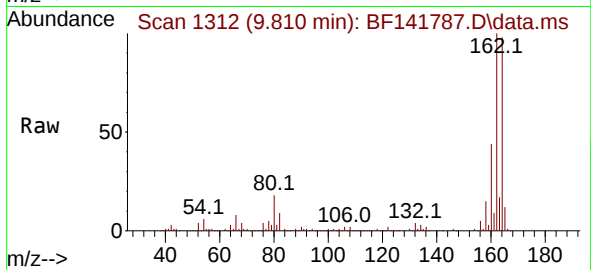
Tgt Ion:165 Resp: 19040
Ion Ratio Lower Upper
165 100
63 1.8 49.4 74.0#
89 1.6 46.5 69.7#



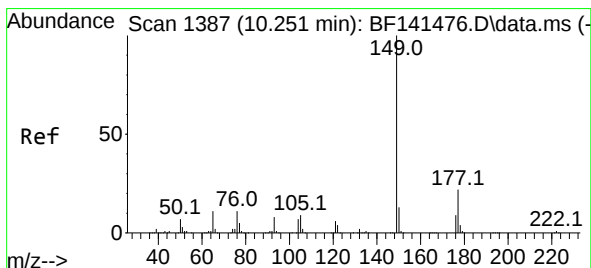
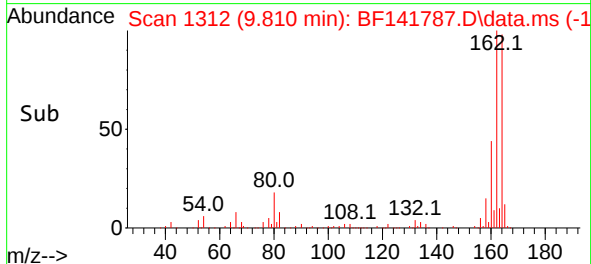
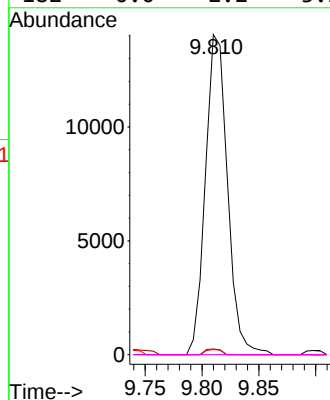


#57
2,4-Dinitrotoluene
Concen: 6.248 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Instrument :
BNA_F
ClientSampleId :
B-173-GW01

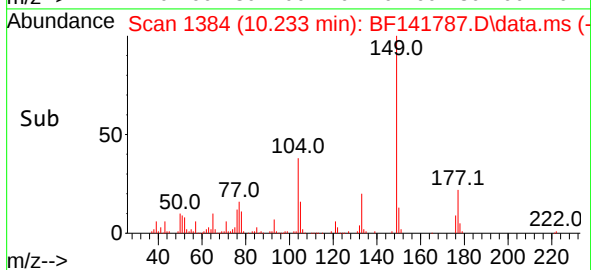
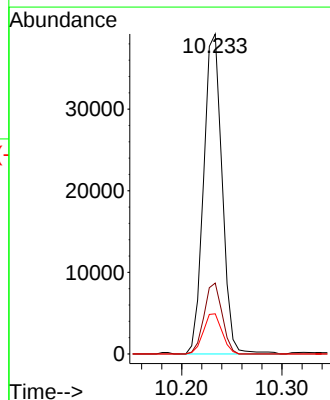
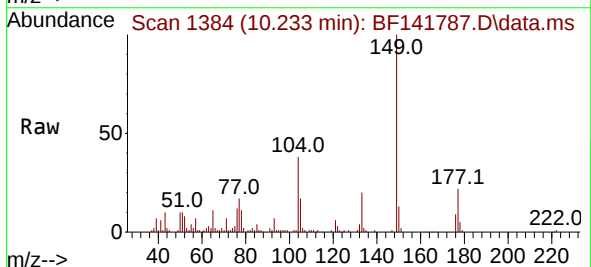


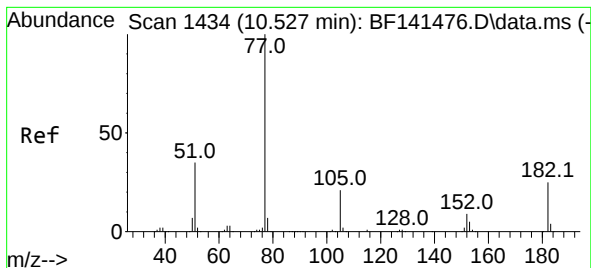
Tgt Ion:165 Resp: 19040
Ion Ratio Lower Upper
165 100
63 1.8 46.4 69.6#
89 1.6 61.8 92.6#
182 0.0 2.2 3.2#



#60
Diethylphthalate
Concen: 4.881 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.023 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Tgt Ion:149 Resp: 50289
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1





#63

Azobenzene

Concen: 11.445 ng

RT: 10.528 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

Instrument :

BNA_F

ClientSampleId :

B-173-GW01

Tgt Ion: 77 Resp: 117214

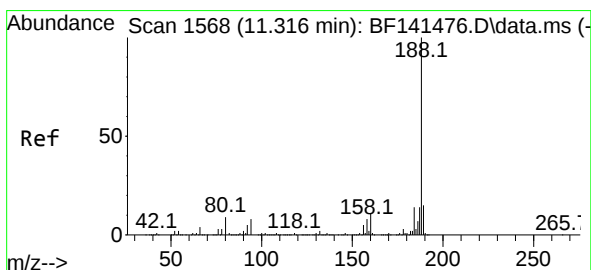
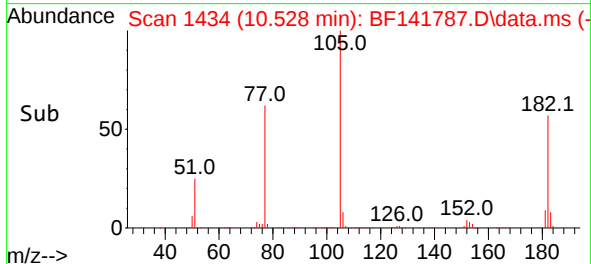
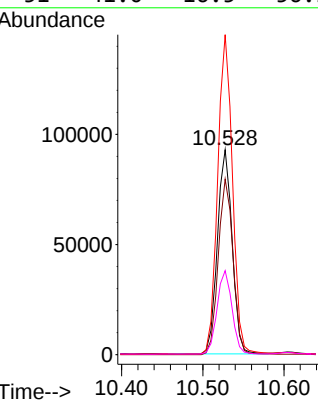
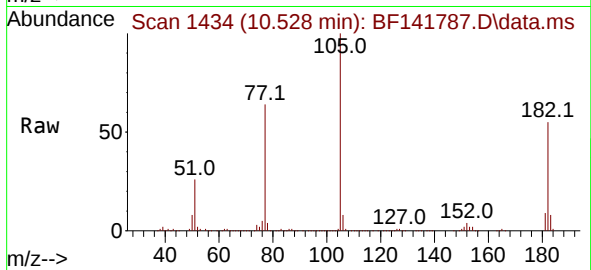
Ion Ratio Lower Upper

77 100

182 85.6 4.7 44.7#

105 156.1 0.4 40.4#

51 41.0 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

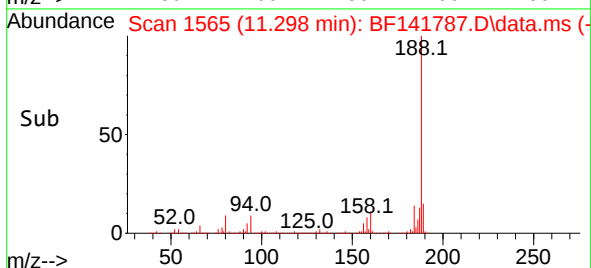
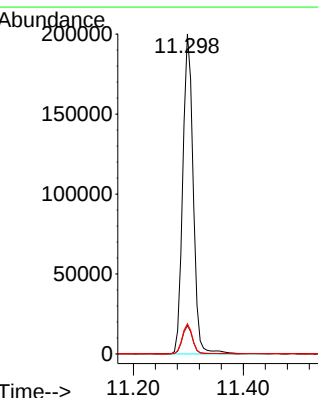
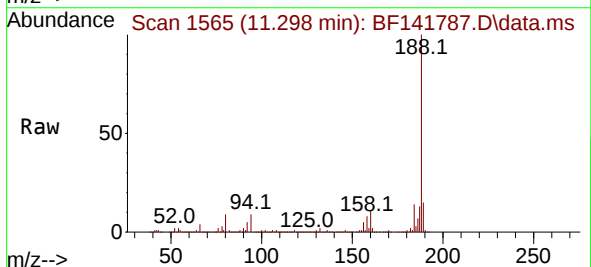
Tgt Ion:188 Resp: 262674

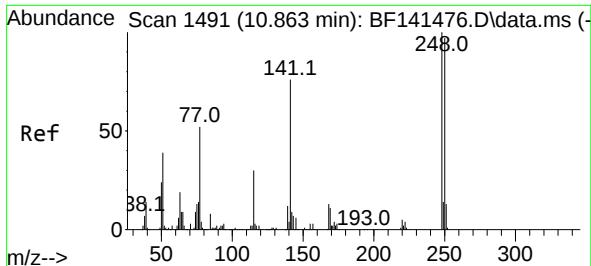
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.4 7.3 10.9

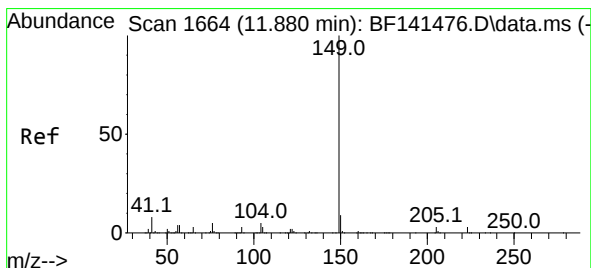
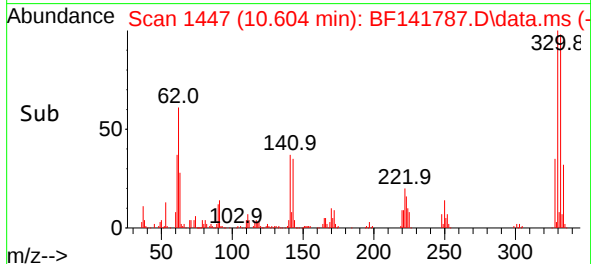
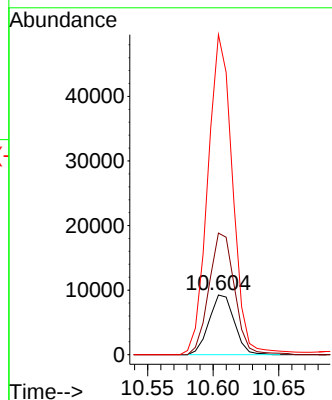
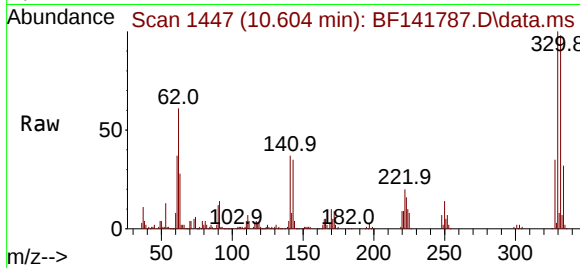




#67
4-Bromophenyl-phenylether
Concen: 4.223 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

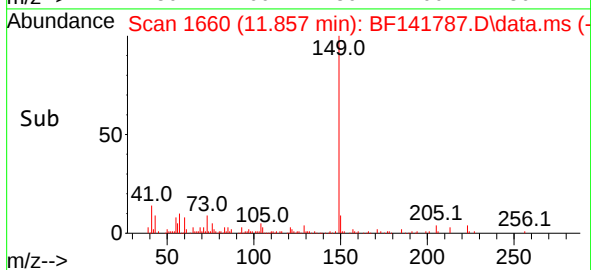
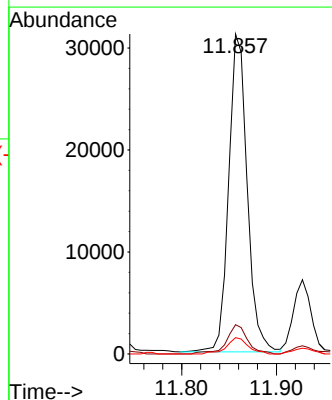
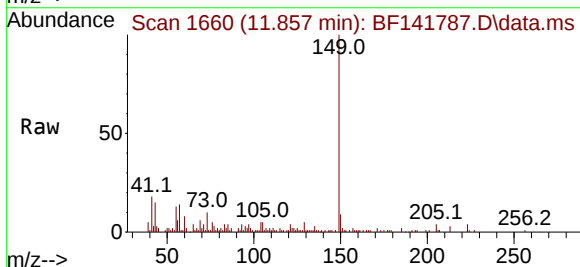
Instrument :
BNA_F
ClientSampleId :
B-173-GW01

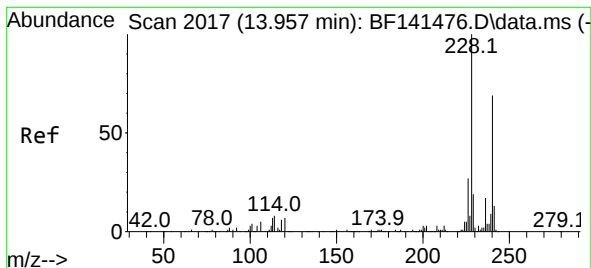
Tgt Ion:248 Resp: 12399
Ion Ratio Lower Upper
248 100
250 203.7 77.8 116.6#
141 536.3 60.6 90.8#



#74
Di-n-butylphthalate
Concen: 2.804 ng
RT: 11.857 min Scan# 1660
Delta R.T. -0.023 min
Lab File: BF141787.D
Acq: 26 Feb 2025 17:27

Tgt Ion:149 Resp: 42344
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.1 4.2 6.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

Instrument :

BNA_F

ClientSampleId :

B-173-GW01

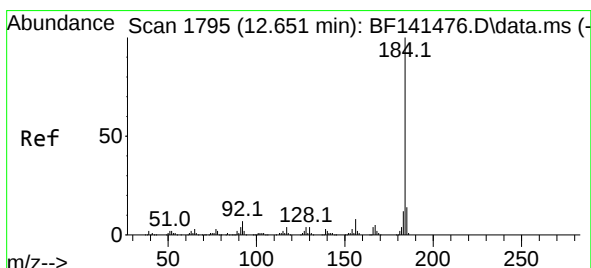
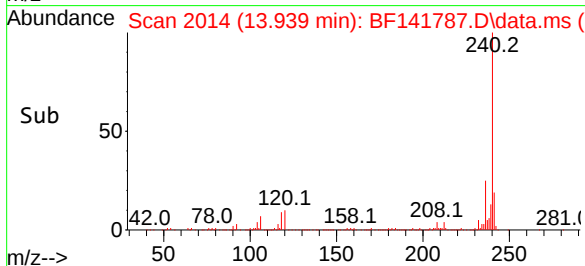
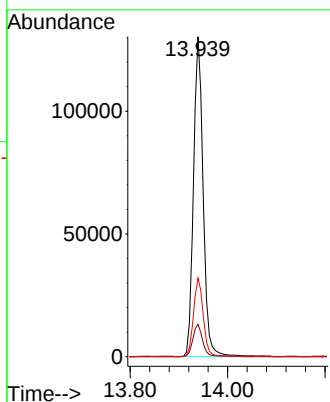
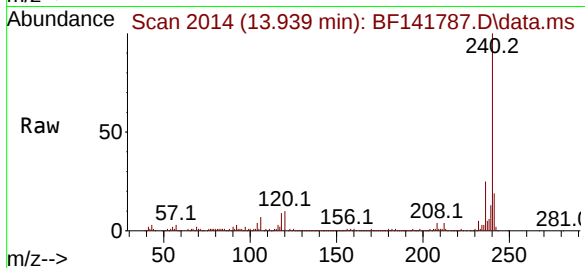
Tgt Ion:240 Resp: 181385

Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 24.5 19.8 29.8



#77

Benzidine

Concen: 3.130 ng

RT: 12.886 min Scan# 1835

Delta R.T. 0.230 min

Lab File: BF141787.D

Acq: 26 Feb 2025 17:27

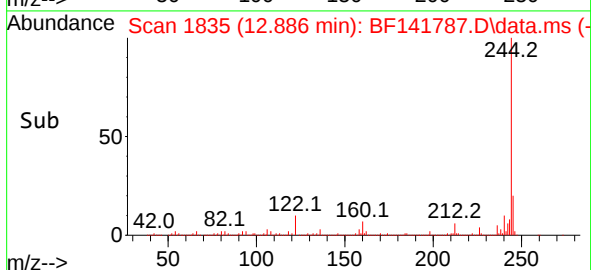
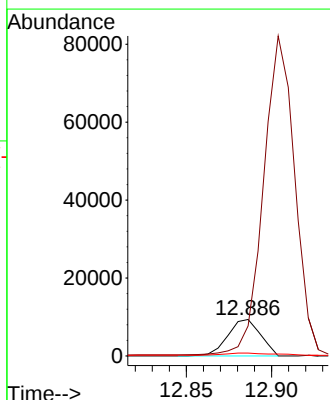
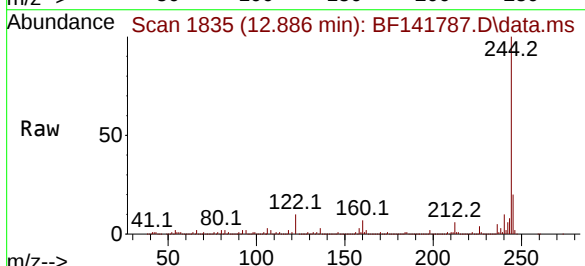
Tgt Ion:184 Resp: 12521

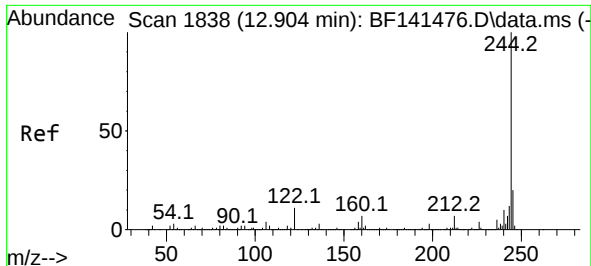
Ion Ratio Lower Upper

184 100

185 82.7 11.3 16.9#

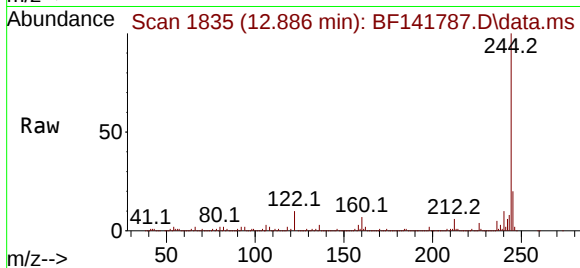
183 7.8 9.3 13.9#



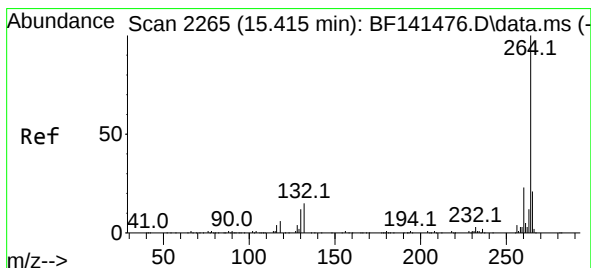
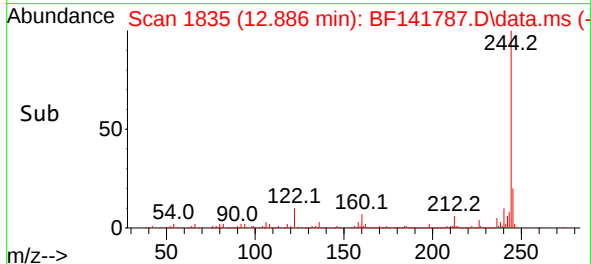
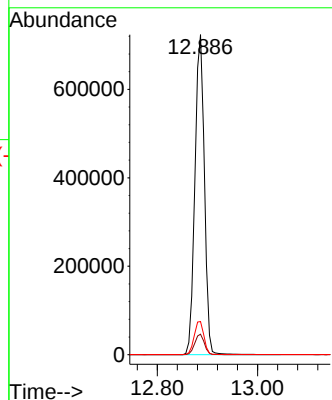


#79
 Terphenyl-d14
 Concen: 88.191 ng
 RT: 12.886 min Scan# 1835
 Delta R.T. -0.018 min
 Lab File: BF141787.D
 Acq: 26 Feb 2025 17:27

Instrument :
 BNA_F
 ClientSampleId :
 B-173-GW01



Tgt Ion:244 Resp: 947562
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2260
 Delta R.T. -0.029 min
 Lab File: BF141787.D
 Acq: 26 Feb 2025 17:27

Tgt Ion:264 Resp: 166658
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 28.0
 265 22.0 17.0 25.4

