

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141867.D
 Acq On : 06 Mar 2025 14:31
 Operator : RC/JU
 Sample : Q1478-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-MW-19B-COMP-022825

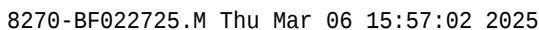
Quant Time: Mar 06 15:56:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

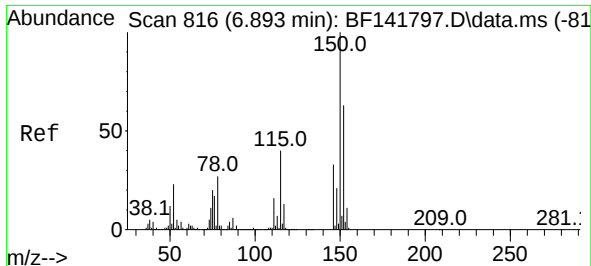
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	141755	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	556386	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	300663	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	513707	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	390038	20.000	ng	-0.02
86) Perylene-d12	15.509	264	388809	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	711569	80.164	ng	0.00
7) Phenol-d6	6.498	99	558133	48.309	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1206427	138.600	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	582616	206.405	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2195041	117.062	ng	0.00
79) Terphenyl-d14	12.986	244	2591383	107.493	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.528	42	104310	21.633	ng	# 1
19) n-Nitroso-di-n-propyla...	7.445	70	165947	21.850	ng	# 78
25) Isophorone	7.445	82	1202024	64.279	ng	# 66
26) 2-Nitrophenol	7.998	139	497	4.658	ng	# 32
32) Benzoic acid	7.839	122	6216	8.601	ng	# 95
48) 2-Nitroaniline	9.445	65	237	4.386	ng	# 6
51) 2,6-Dinitrotoluene	9.669	165	1636	3.228	ng	# 51
53) 3-Nitroaniline	9.663	138	178	3.007	ng	# 75
57) 2,4-Dinitrotoluene	9.916	165	39685	11.341	ng	# 20
63) Azobenzene	10.627	77	81735	3.846	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1514	8.646	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	39368	6.561	ng	# 1
77) Benzidine	12.986	184	34607	7.049	ng	# 91

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

Quant Time: Mar 06 15:56:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

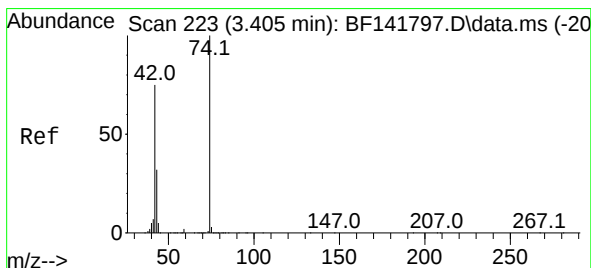
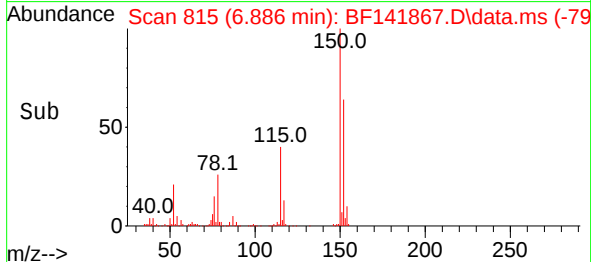
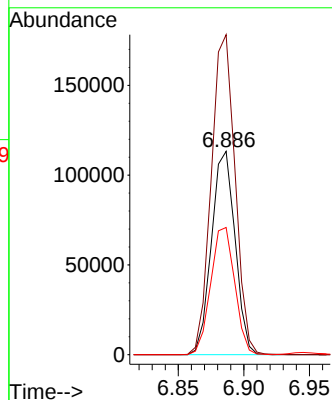
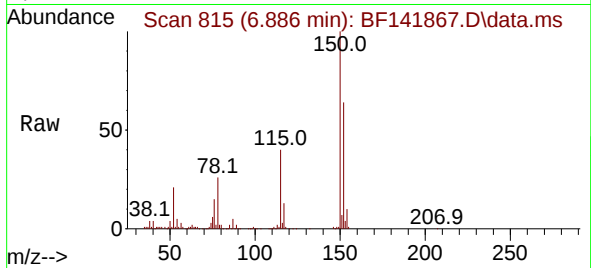




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

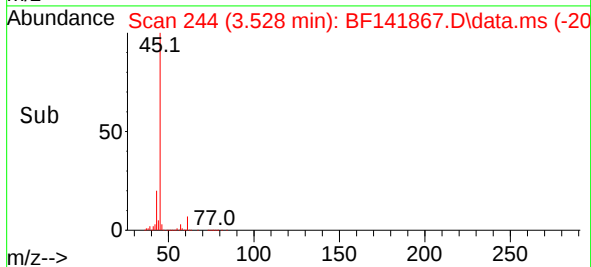
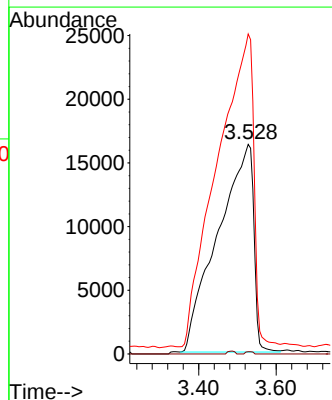
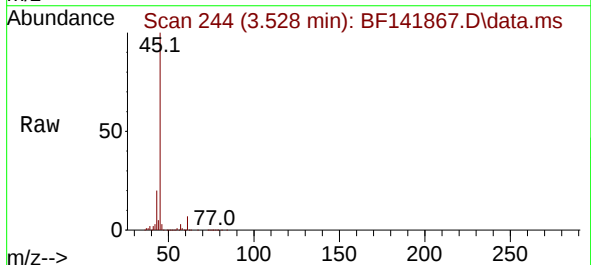
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

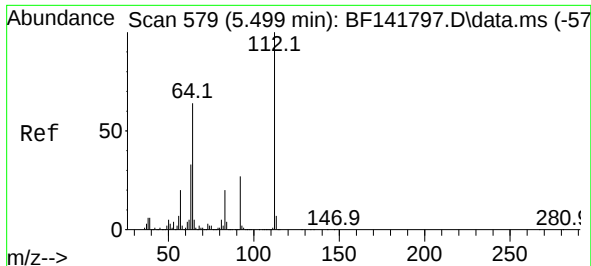
Tgt Ion:152 Resp: 141755
Ion Ratio Lower Upper
152 100
150 157.4 127.5 191.3
115 62.5 51.4 77.2



#4
n-Nitrosodimethylamine
Concen: 21.633 ng
RT: 3.528 min Scan# 244
Delta R.T. 0.123 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion: 42 Resp: 104310
Ion Ratio Lower Upper
42 100
74 1.0 107.1 160.7#
44 152.6 6.6 9.8#

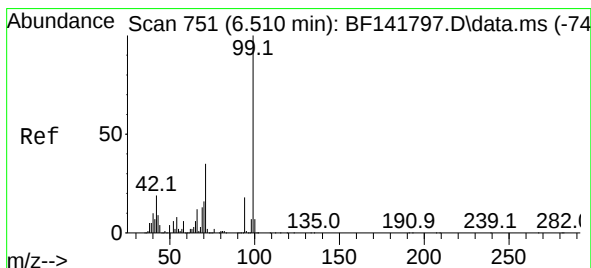
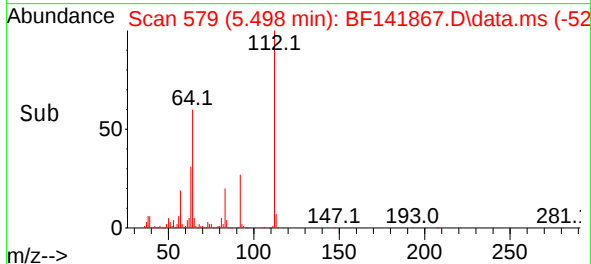
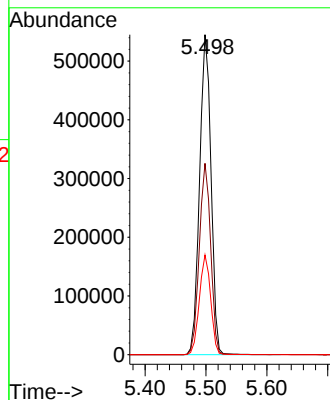
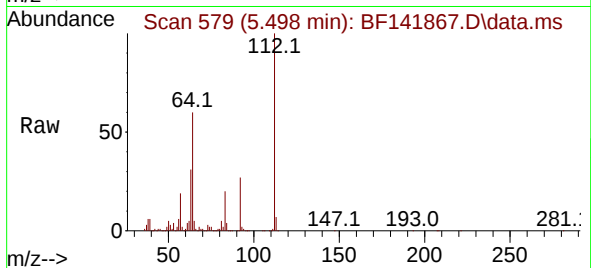




#5
2-Fluorophenol
Concen: 80.164 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

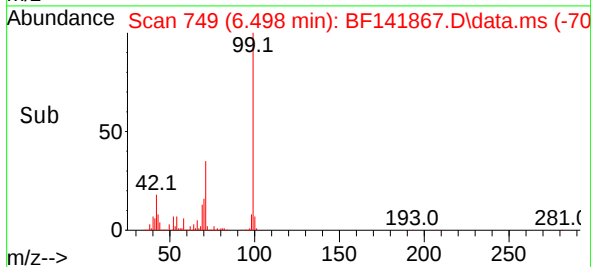
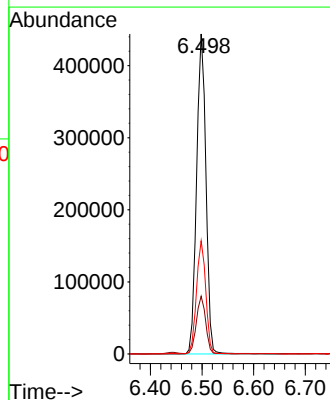
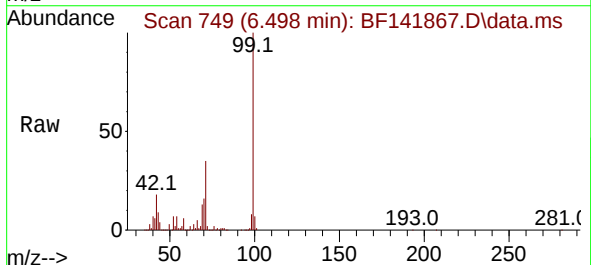
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

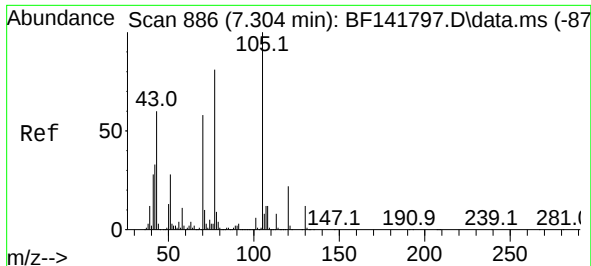
Tgt Ion:112 Resp: 711569
Ion Ratio Lower Upper
112 100
64 59.8 51.3 76.9
63 31.1 26.2 39.4



#7
Phenol-d6
Concen: 48.309 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion: 99 Resp: 558133
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 35.3 28.2 42.2

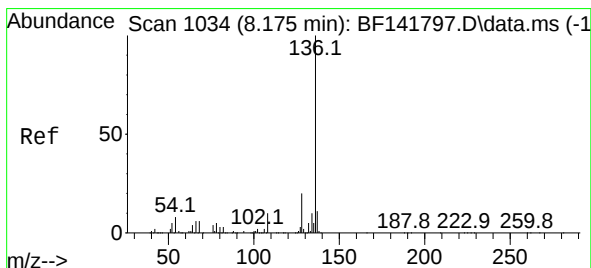
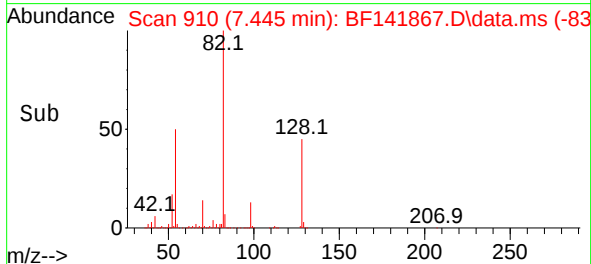
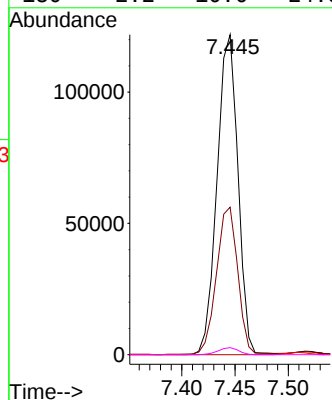
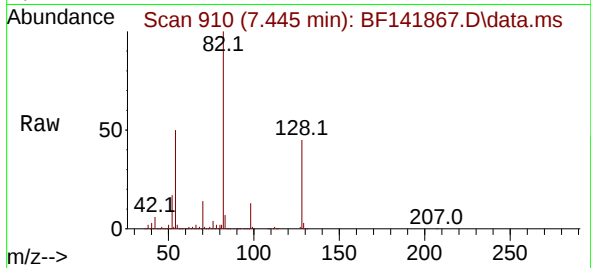




#19
n-Nitroso-di-n-propylamine
Concen: 21.850 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.141 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

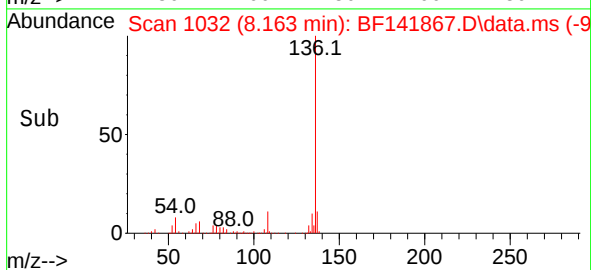
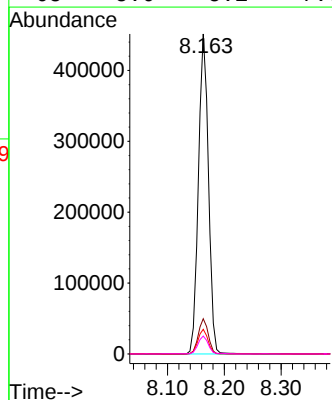
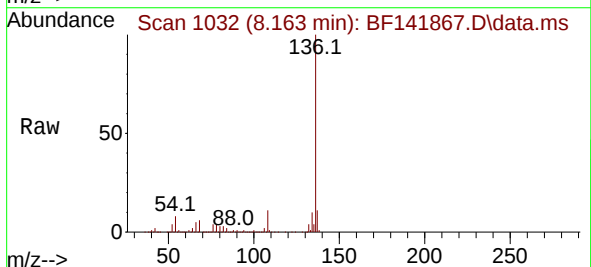
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

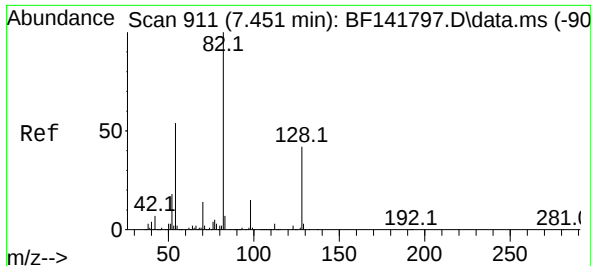
Tgt Ion: 70 Resp: 165947
Ion Ratio Lower Upper
70 100
42 46.1 45.4 68.0
101 0.0 7.8 11.8#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion:136 Resp: 556386
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.9 10.3
68 5.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 138.600 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141867.D

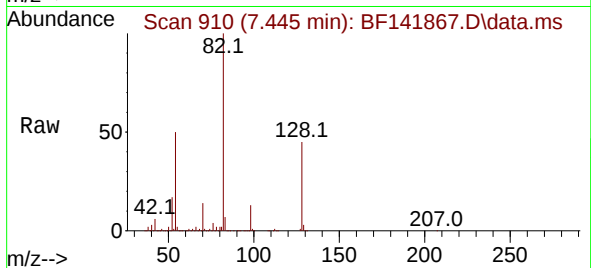
Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825



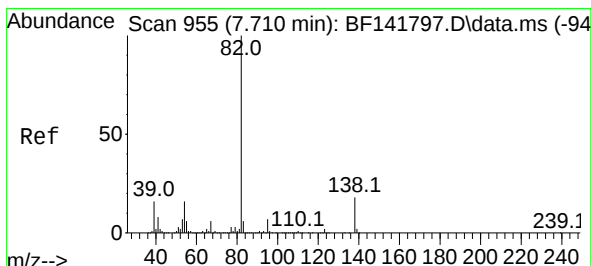
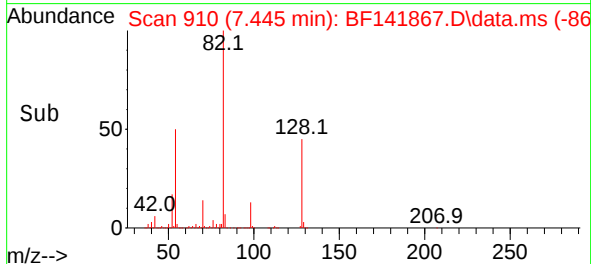
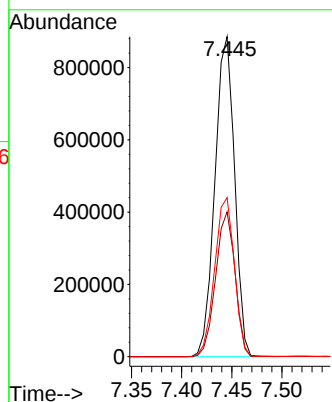
Tgt Ion: 82 Resp: 1206427

Ion Ratio Lower Upper

82 100

128 45.2 33.5 50.3

54 49.7 42.7 64.1



#25

Isophorone

Concen: 64.279 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.265 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

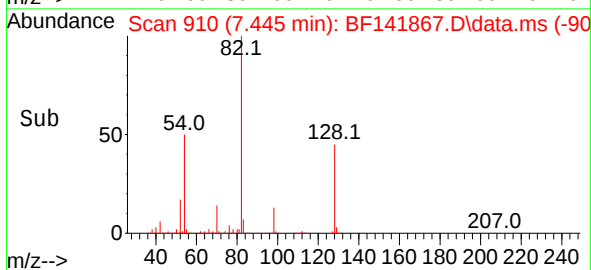
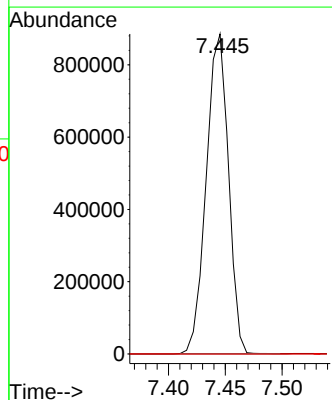
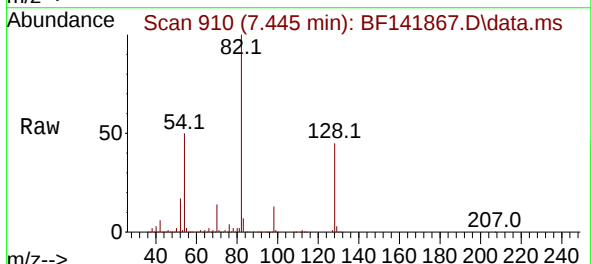
Tgt Ion: 82 Resp: 1202024

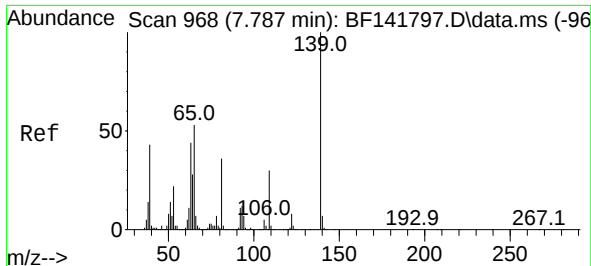
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.0 21.0#

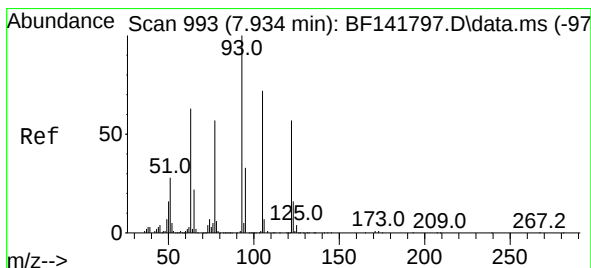
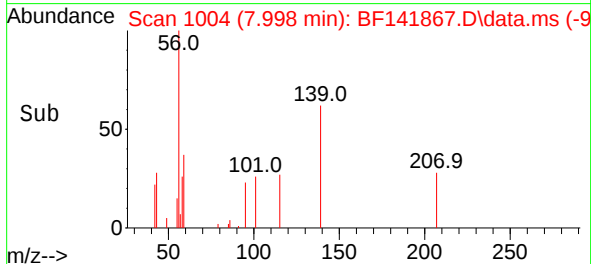
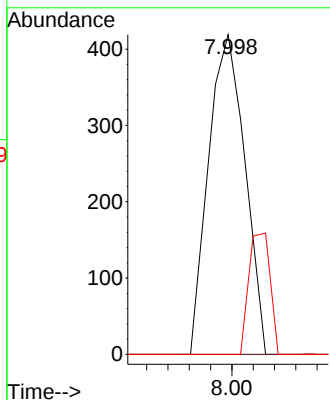
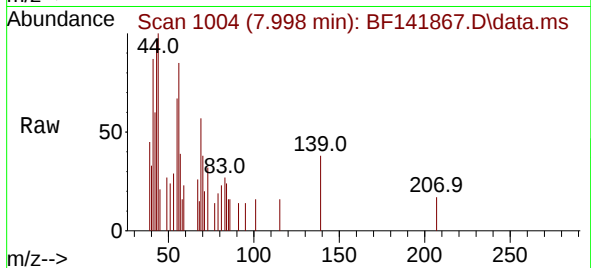




#26
2-Nitrophenol
Concen: 4.658 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.211 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

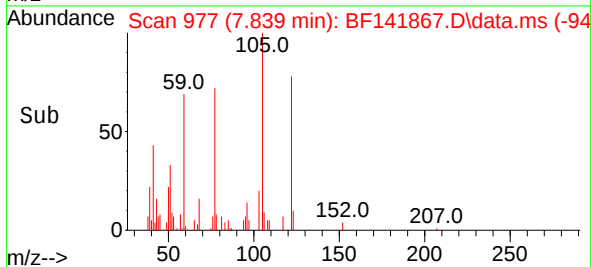
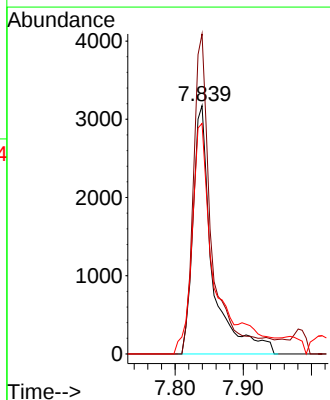
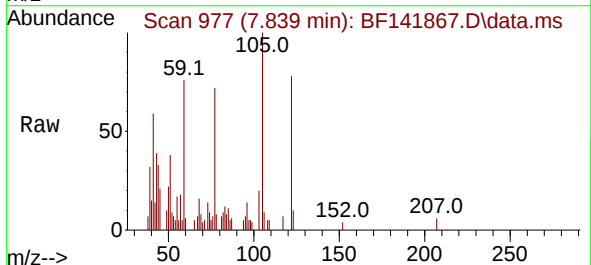
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

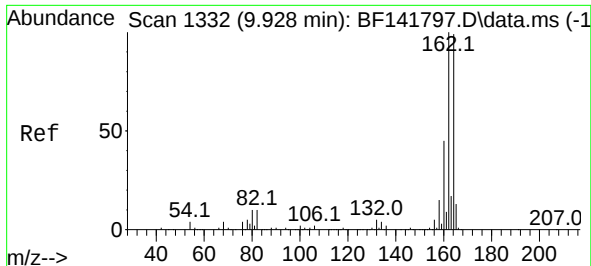
Tgt Ion:139 Resp: 497
Ion Ratio Lower Upper
139 100
109 0.0 24.1 36.1#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 8.601 ng
RT: 7.839 min Scan# 977
Delta R.T. -0.095 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion:122 Resp: 6216
Ion Ratio Lower Upper
122 100
105 128.9 105.8 145.8
77 92.9 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 141

Delta R.T. -0.012 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

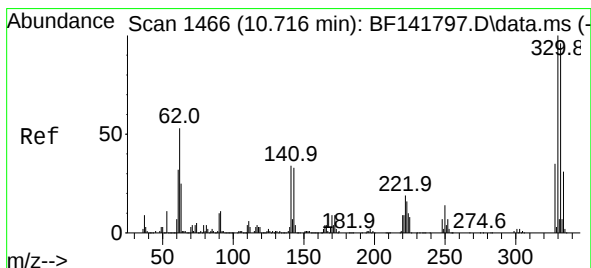
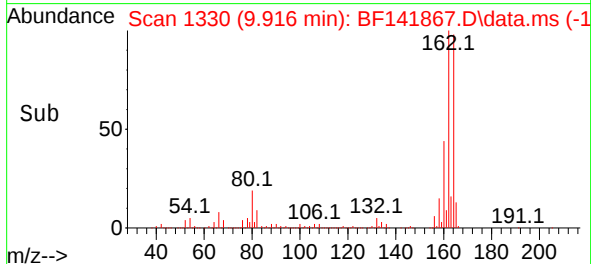
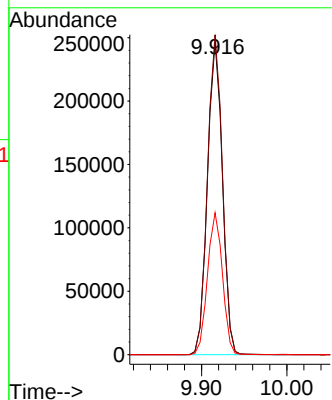
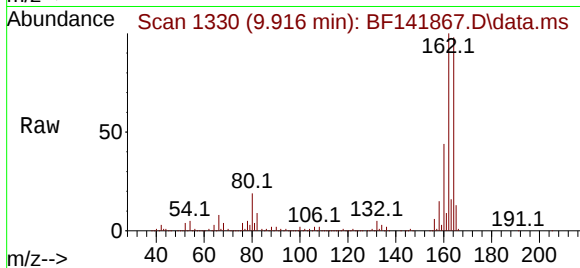
Tgt Ion:164 Resp: 300663

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 206.405 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

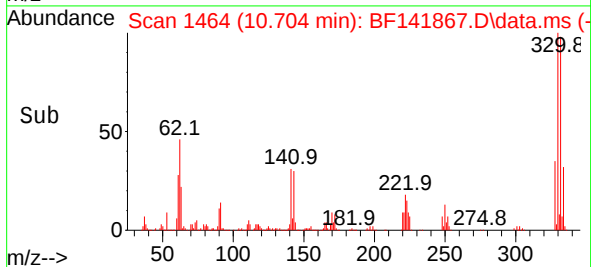
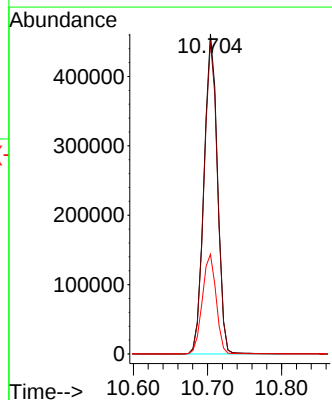
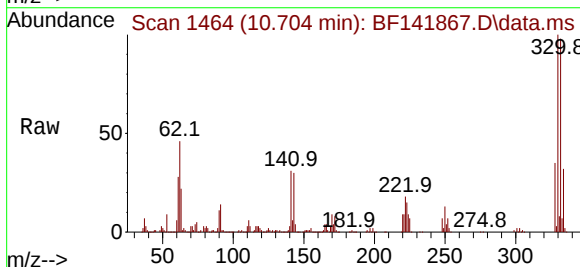
Tgt Ion:330 Resp: 582616

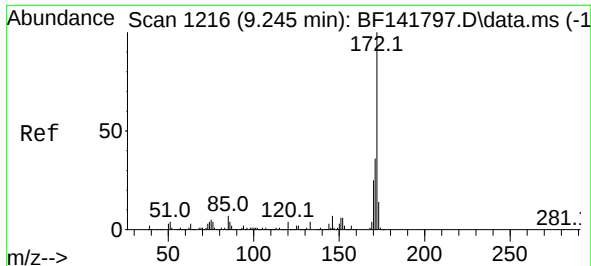
Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

141 31.9 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 117.062 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

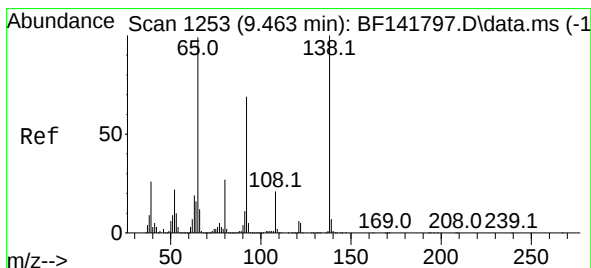
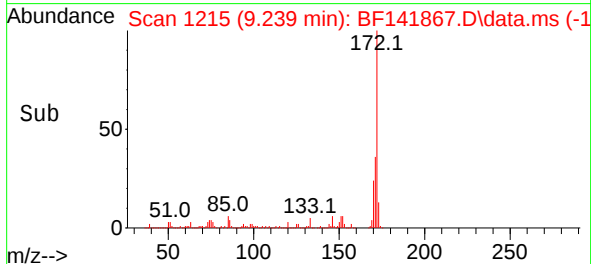
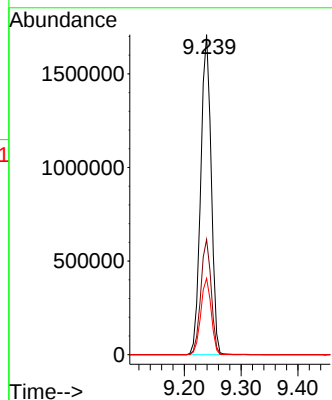
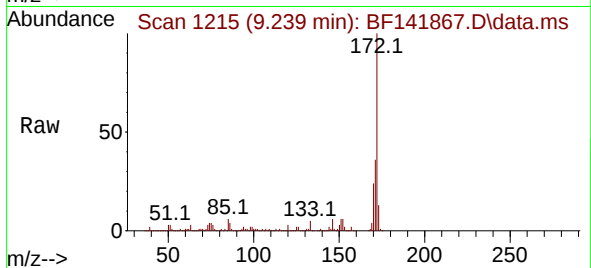
Tgt Ion:172 Resp: 2195041

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 23.9 19.7 29.5



#48

2-Nitroaniline

Concen: 4.386 ng

RT: 9.445 min Scan# 1250

Delta R.T. -0.018 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

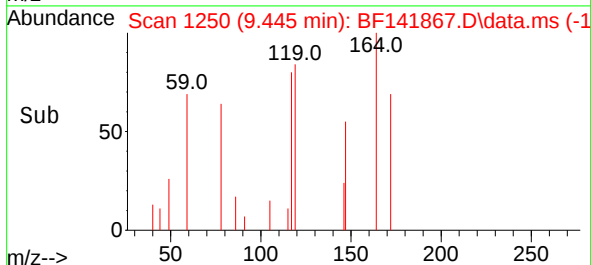
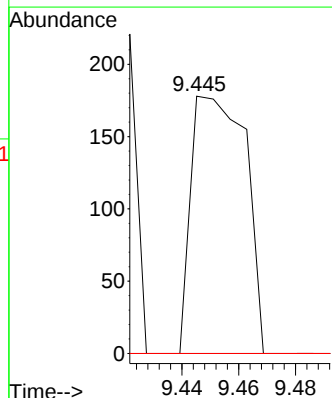
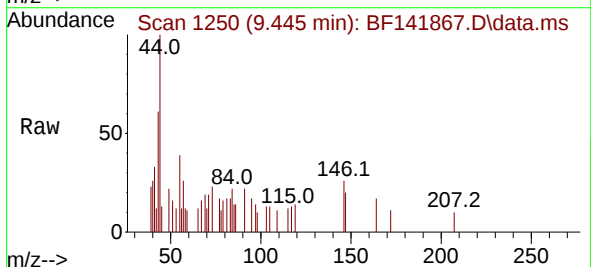
Tgt Ion: 65 Resp: 237

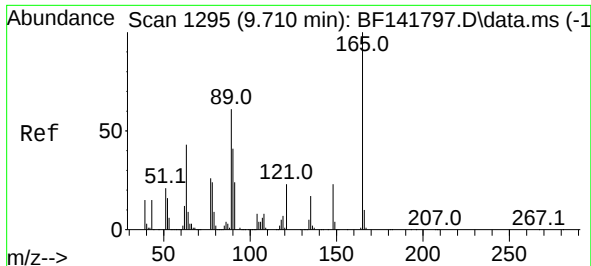
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 3.228 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.041 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

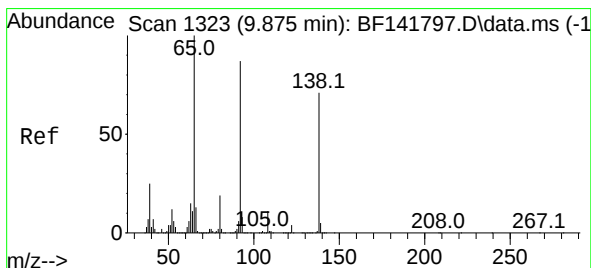
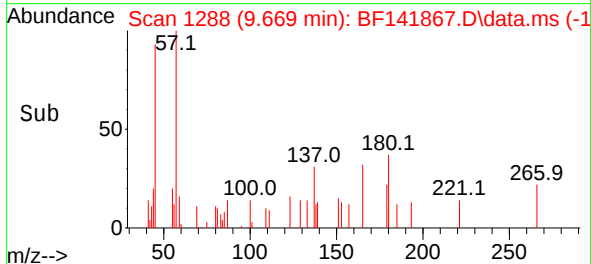
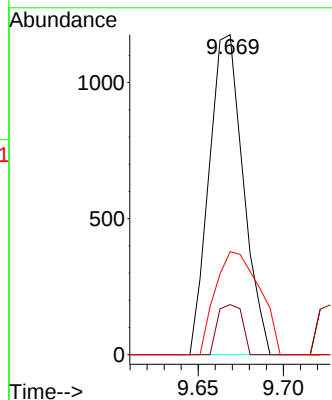
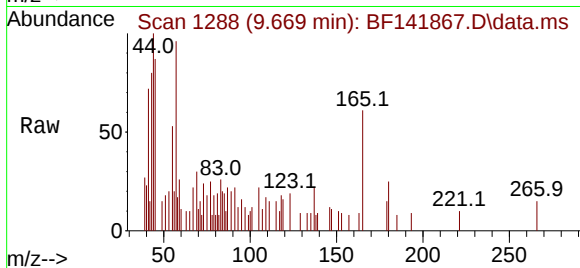
Tgt Ion:165 Resp: 1636

Ion Ratio Lower Upper

165 100

63 15.6 49.5 74.3#

89 32.2 49.0 73.4#



#53

3-Nitroaniline

Concen: 3.007 ng

RT: 9.663 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

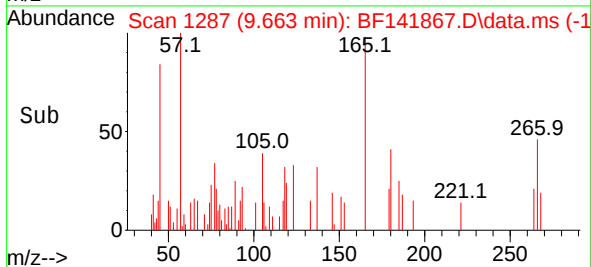
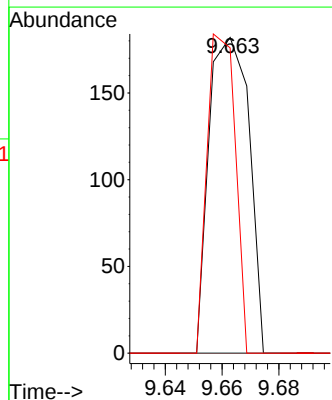
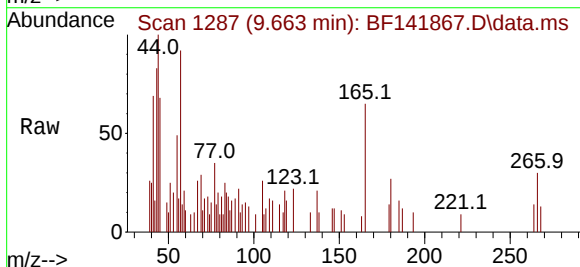
Tgt Ion:138 Resp: 178

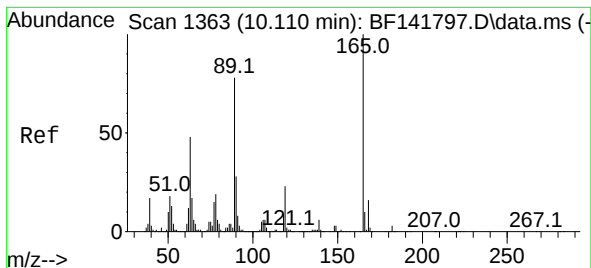
Ion Ratio Lower Upper

138 100

108 0.0 12.7 19.1#

92 96.7 97.9 146.9#

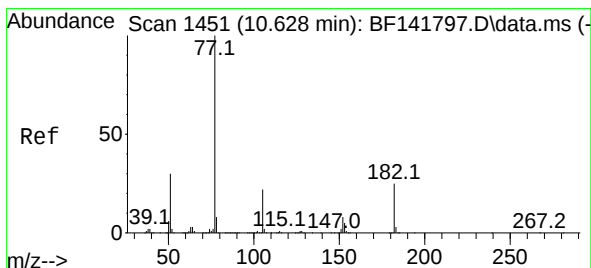
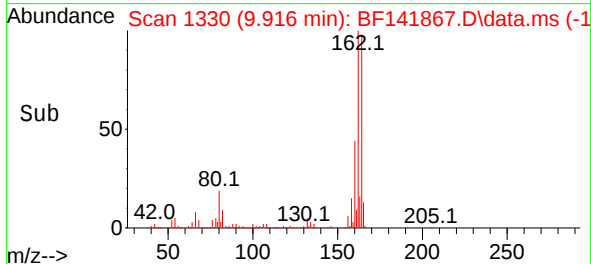
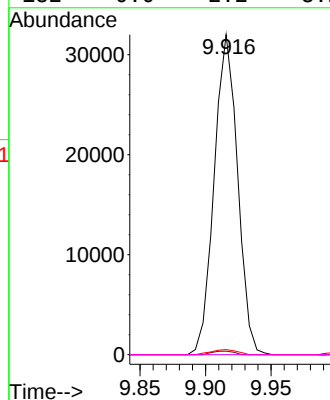
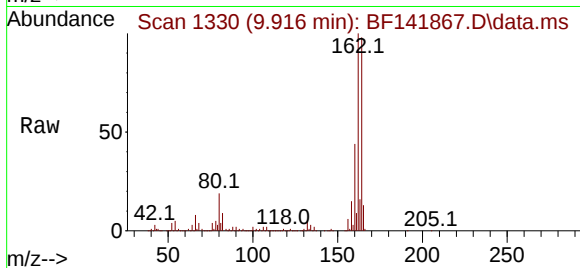




#57
2,4-Dinitrotoluene
Concen: 11.341 ng
RT: 9.916 min Scan# 1418
Delta R.T. -0.194 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

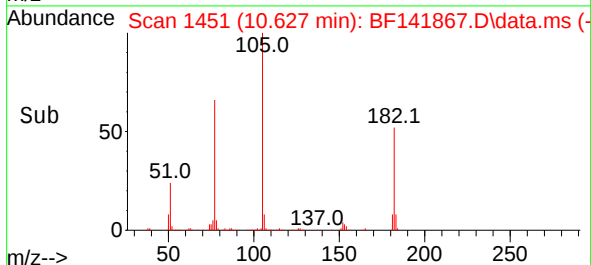
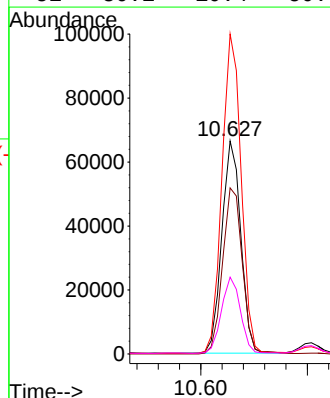
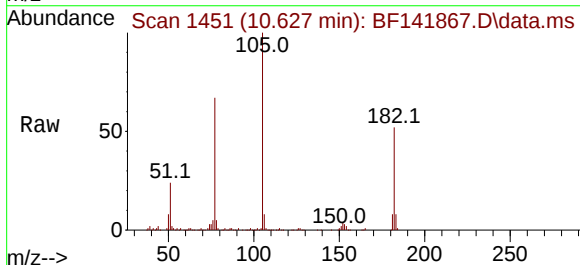
Instrument : BNA_F
ClientSampleId : IDW-AQ-MW-19B-COMP-022825

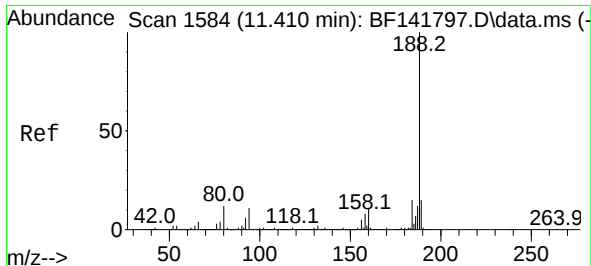
Tgt Ion:165 Resp: 39685
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.6 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.846 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion: 77 Resp: 81735
Ion Ratio Lower Upper
77 100
182 78.0 4.2 44.2#
105 150.3 1.5 41.5#
51 36.1 10.4 50.4

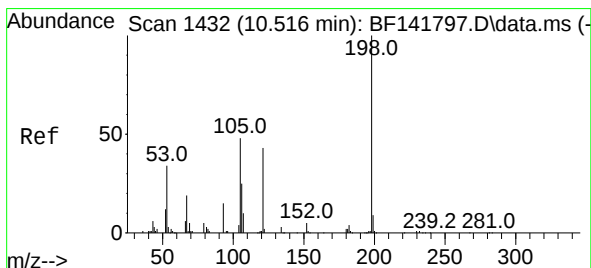
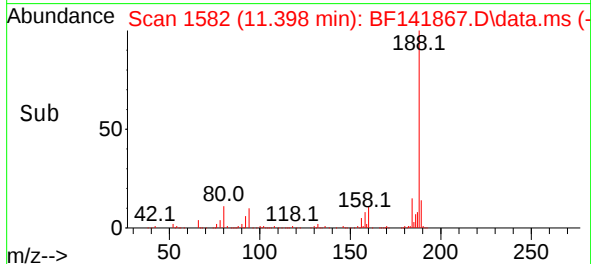
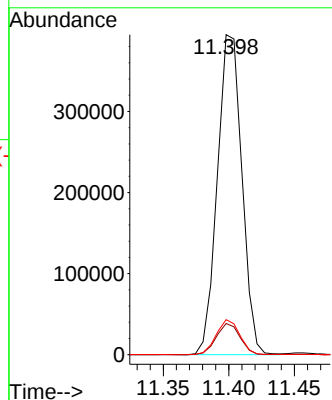
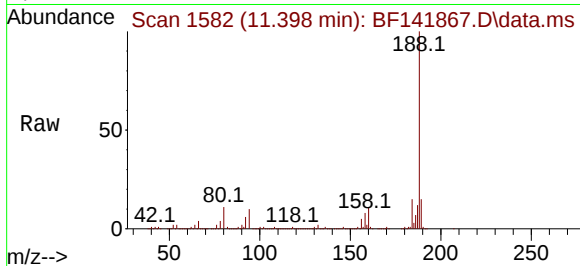




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

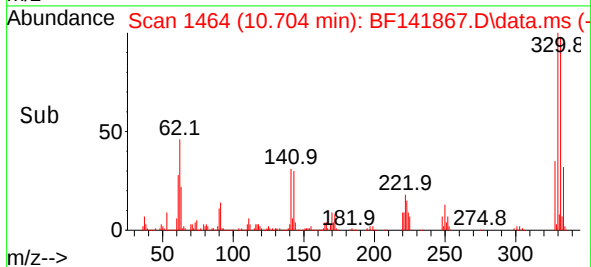
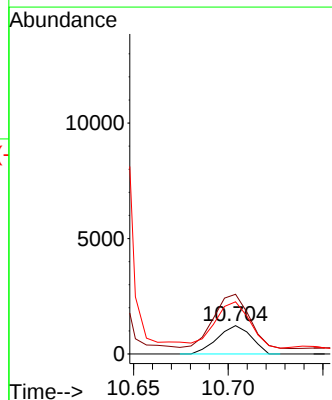
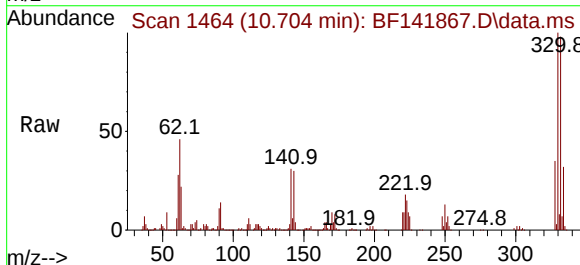
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

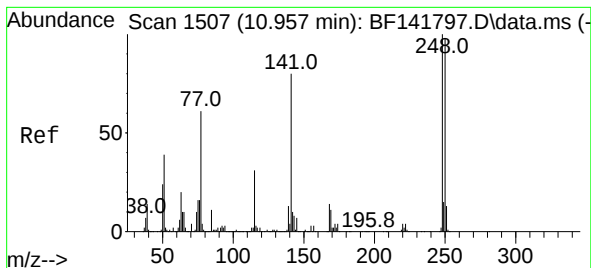
Tgt Ion:188 Resp: 513707
Ion Ratio Lower Upper
188 100
94 9.7 8.9 13.3
80 10.9 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.646 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

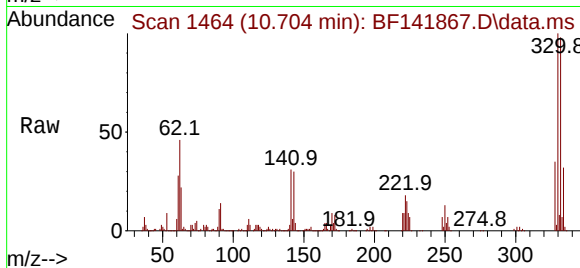
Tgt Ion:198 Resp: 1514
Ion Ratio Lower Upper
198 100
51 210.8 32.1 72.1#
105 184.4 28.5 68.5#



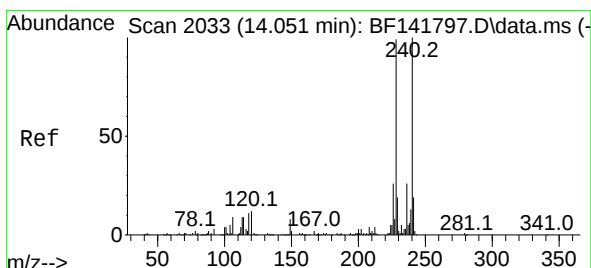
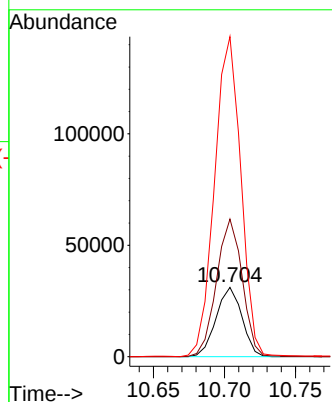
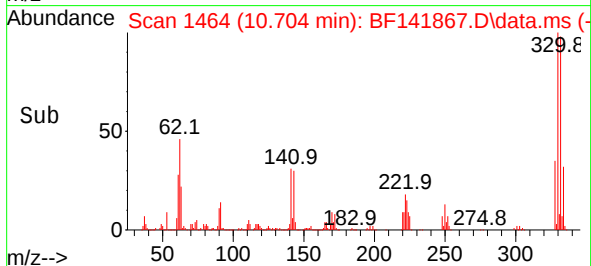


#67
4-Bromophenyl-phenylether
Concen: 6.561 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825

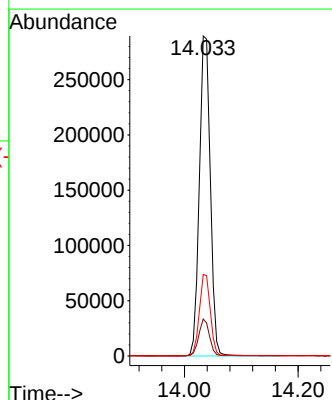
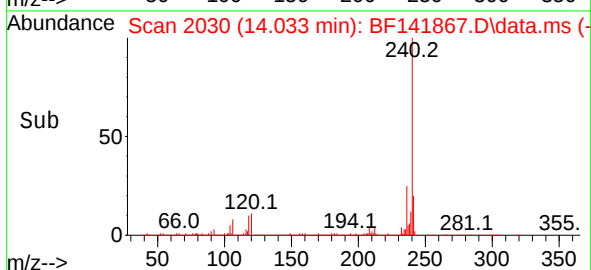
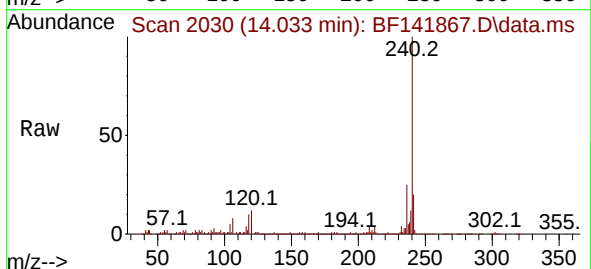


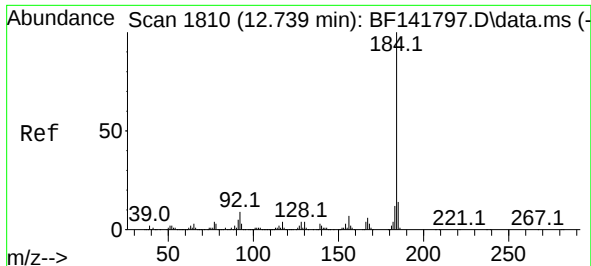
Tgt Ion:248 Resp: 39368
Ion Ratio Lower Upper
248 100
250 198.5 78.1 117.1#
141 461.6 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Tgt Ion:240 Resp: 390038
Ion Ratio Lower Upper
240 100
120 11.6 9.7 14.5
236 25.4 21.0 31.4





#77

Benzidine

Concen: 7.049 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-MW-19B-COMP-022825

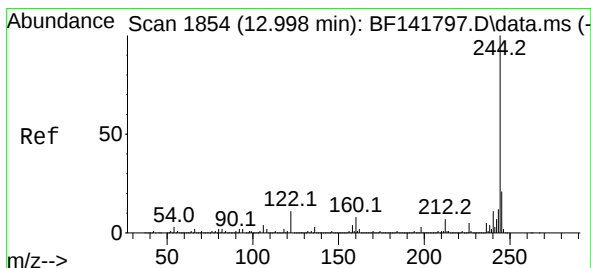
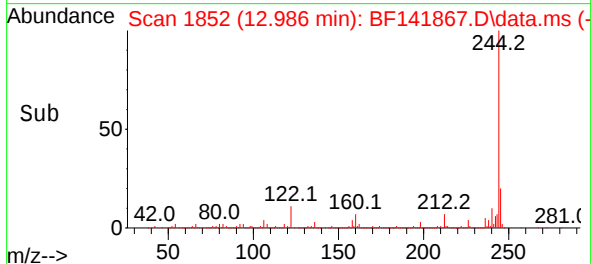
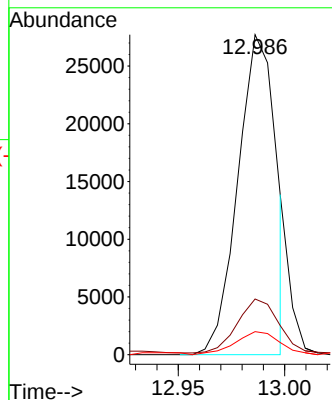
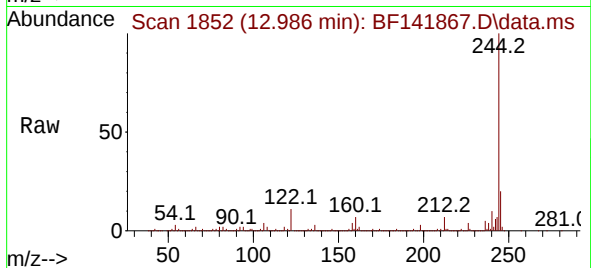
Tgt Ion:184 Resp: 34607

Ion Ratio Lower Upper

184 100

185 17.4 11.6 17.4

183 7.2 9.4 14.0#



#79

Terphenyl-d14

Concen: 107.493 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141867.D

Acq: 06 Mar 2025 14:31

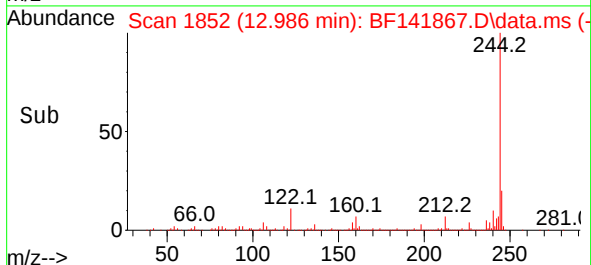
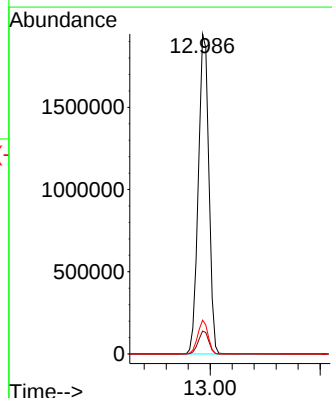
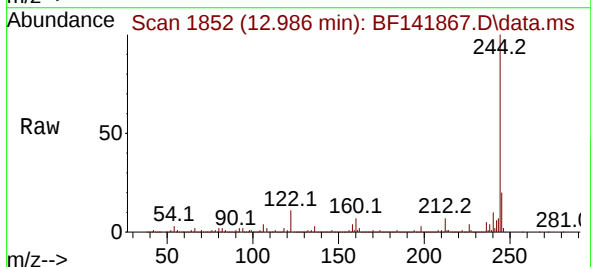
Tgt Ion:244 Resp: 2591383

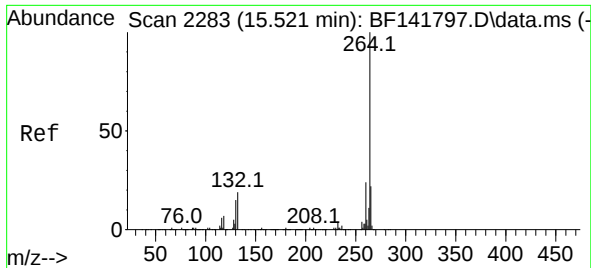
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

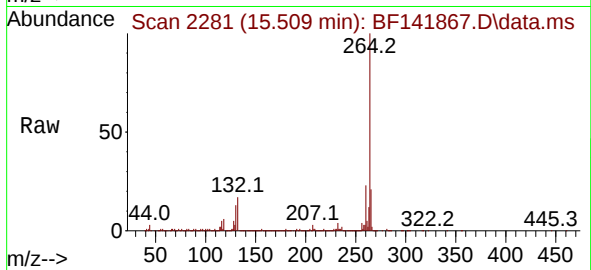
122 10.6 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141867.D
Acq: 06 Mar 2025 14:31

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-MW-19B-COMP-022825



Tgt Ion:264 Resp: 388809
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.1 17.4 26.0

