

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143391.D
 Acq On : 14 Aug 2025 19:56
 Operator : RC/JU
 Sample : Q2814-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-N

Quant Time: Aug 15 01:34:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

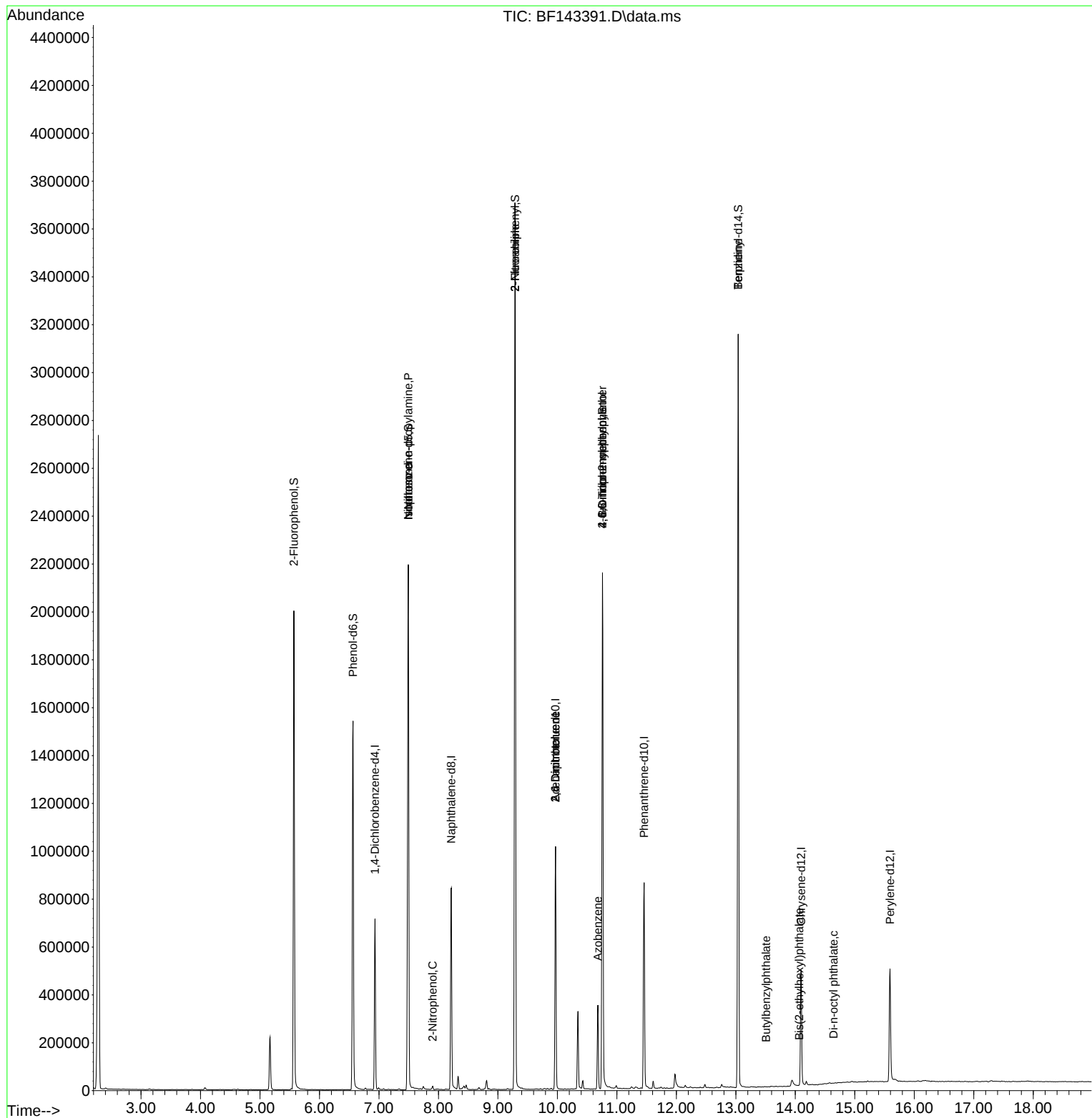
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147123	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	561422	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301794	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	453683	20.000	ng	0.00
76) Chrysene-d12	14.098	240	253979	20.000	ng	0.00
86) Perylene-d12	15.592	264	291392	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	725366	85.258	ng	0.00
7) Phenol-d6	6.563	99	712531	65.308	ng	0.00
23) Nitrobenzene-d5	7.492	82	1026179	113.825	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	402221	182.366	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1726118	96.989	ng	0.00
79) Terphenyl-d14	13.039	244	1559023	109.591	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.492	70	138189	20.498	ng	# 79
25) Isophorone	7.492	82	995991	54.117	ng	# 65
26) 2-Nitrophenol	7.904	139	342	3.723	ng	# 32
48) 2-Nitroaniline	9.286	65	2815	3.313	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	39126	13.964	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	39126	11.295	ng	# 20
63) Azobenzene	10.680	77	88133	4.885	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	701	7.585	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	25749	4.963	ng	# 1
77) Benzidine	13.039	184	18416	2.652	ng	# 94
80) Butylbenzylphthalate	13.510	149	259	3.408	ng	# 9
84) Bis(2-ethylhexyl)phtha...	14.068	149	1275	4.178	ng	# 92
85) Di-n-octyl phthalate	14.645	149	220	6.040	ng	# 1

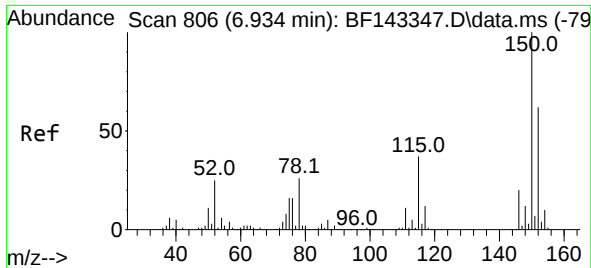
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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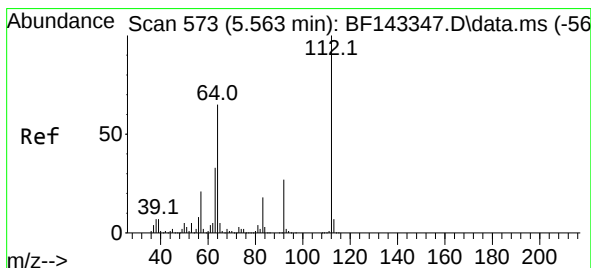
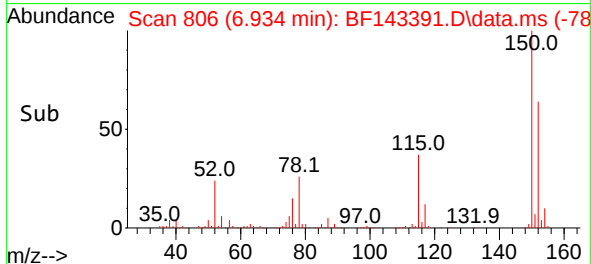
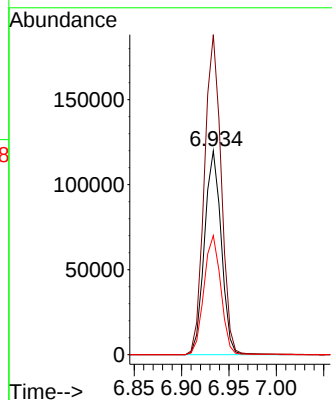
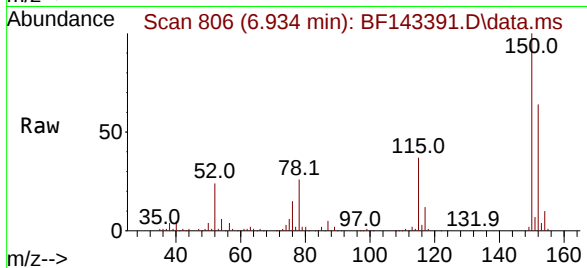




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

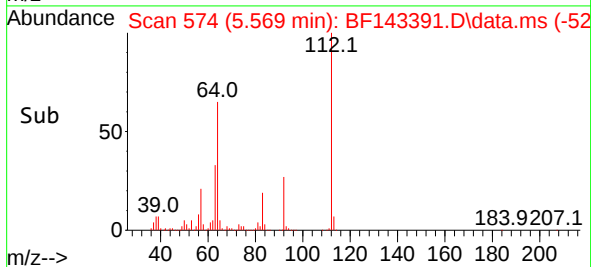
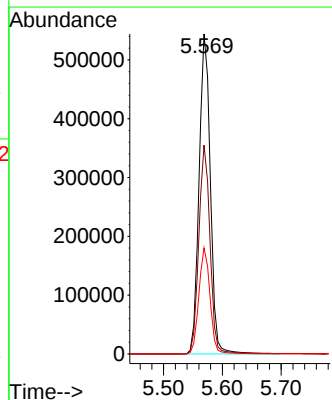
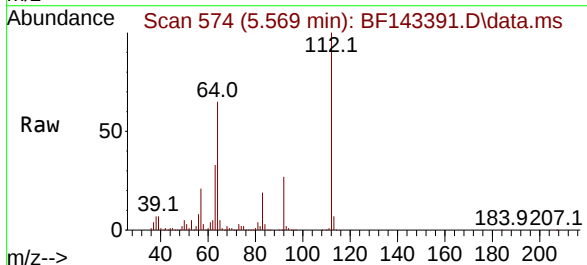
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-N

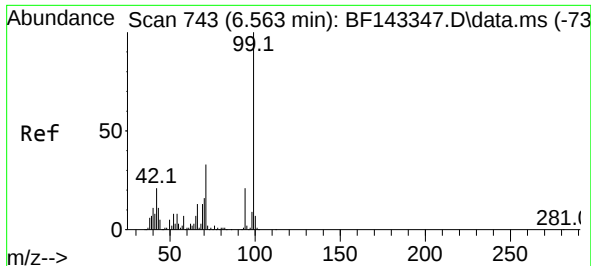
Tgt Ion:152 Resp: 147123
 Ion Ratio Lower Upper
 152 100
 150 157.0 129.8 194.8
 115 58.4 47.8 71.8



#5
 2-Fluorophenol
 Concen: 85.258 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

Tgt Ion:112 Resp: 725366
 Ion Ratio Lower Upper
 112 100
 64 65.2 52.1 78.1
 63 33.1 26.6 39.8

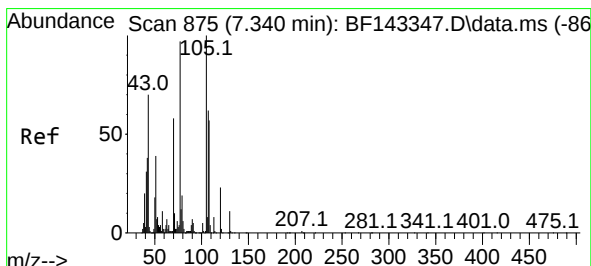
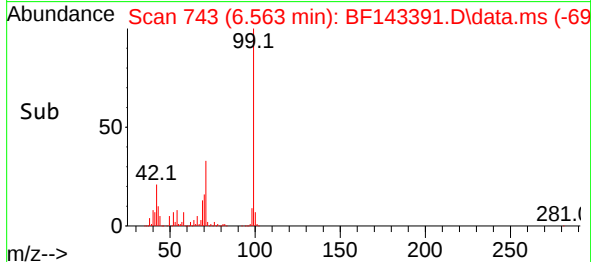
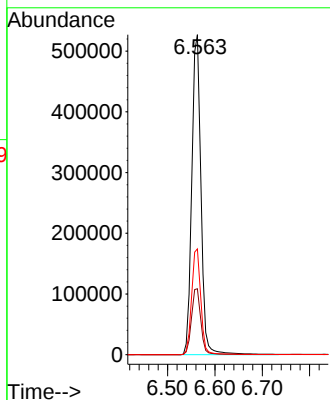
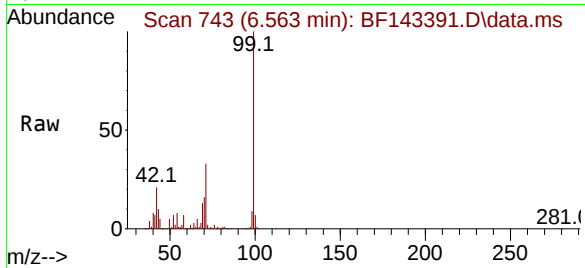




#7
Phenol-d6
Concen: 65.308 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

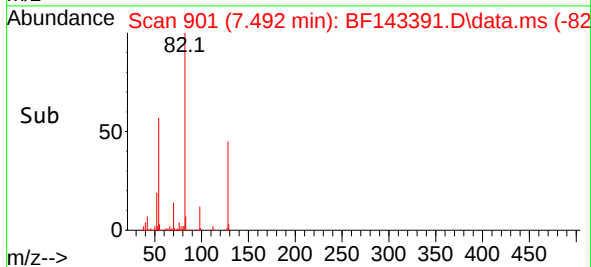
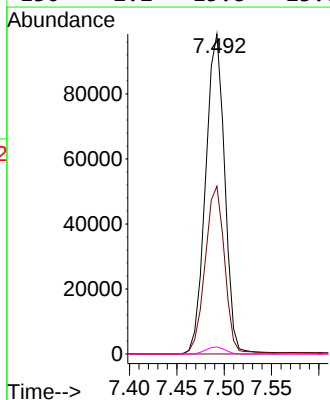
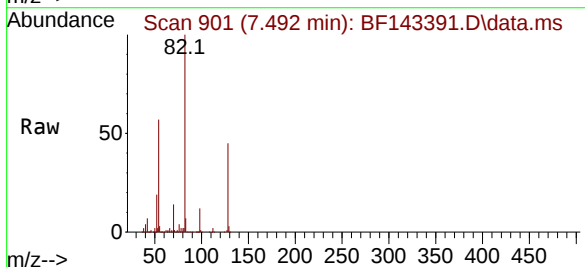
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

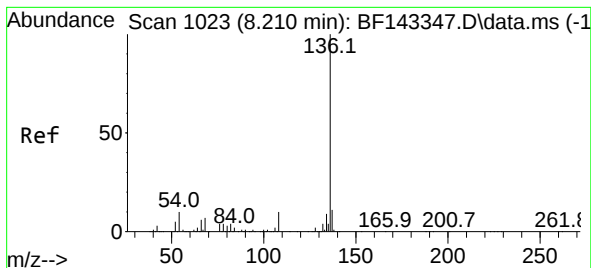
Tgt Ion: 99 Resp: 712531
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.1 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.498 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion: 70 Resp: 138189
Ion Ratio Lower Upper
70 100
42 52.4 51.6 77.4
101 0.0 7.5 11.3#
130 2.2 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N

Tgt Ion:136 Resp: 561422

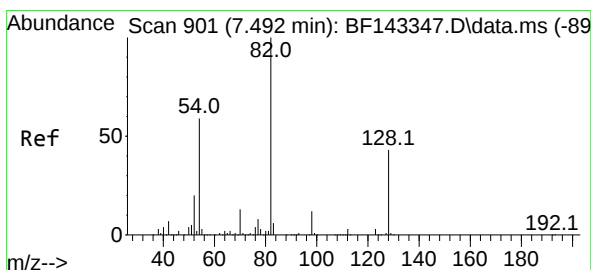
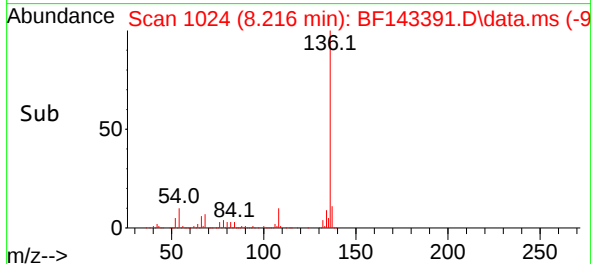
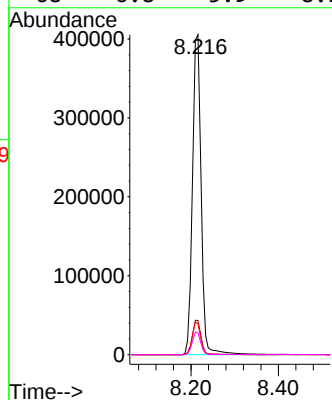
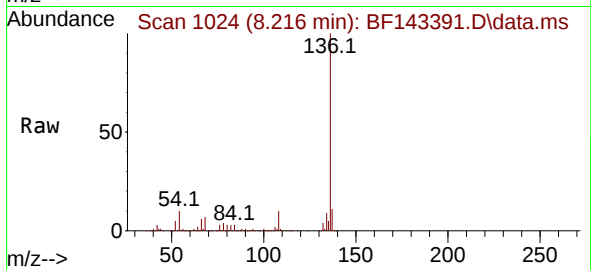
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.6 8.4 12.6

68 6.8 5.9 8.9



#23

Nitrobenzene-d5

Concen: 113.825 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

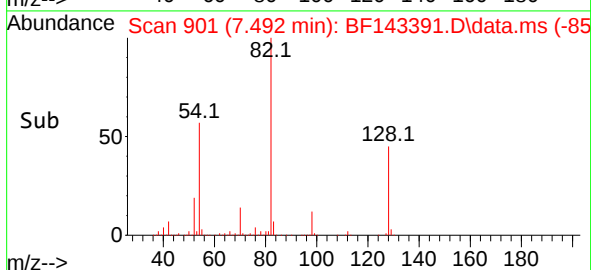
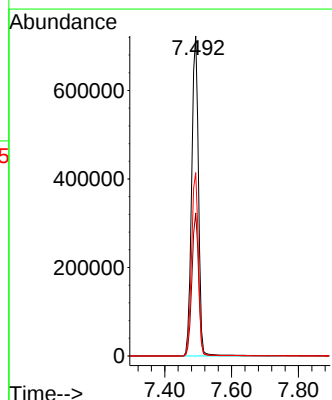
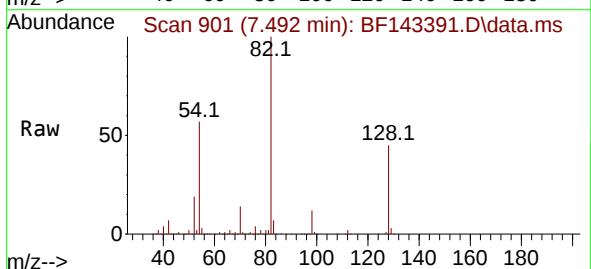
Tgt Ion: 82 Resp: 1026179

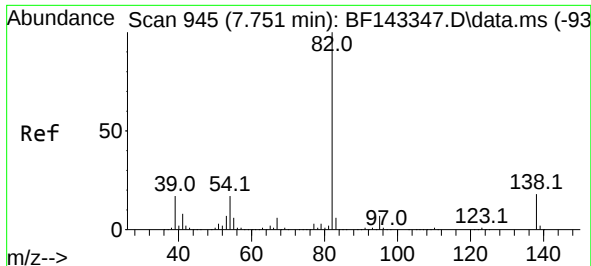
Ion Ratio Lower Upper

82 100

128 44.7 33.5 50.3

54 57.3 46.7 70.1

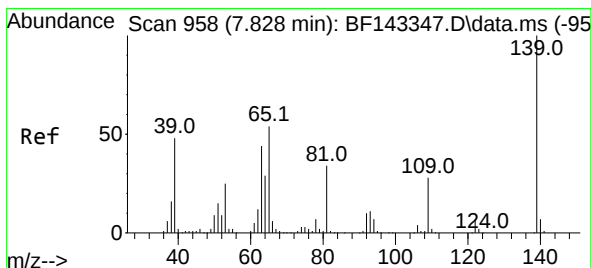
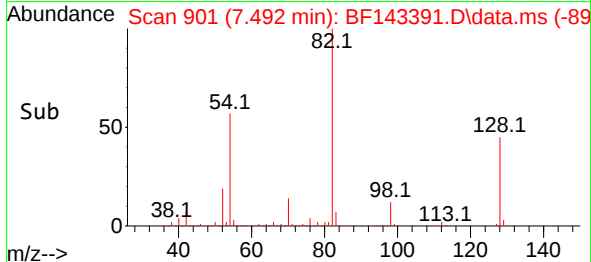
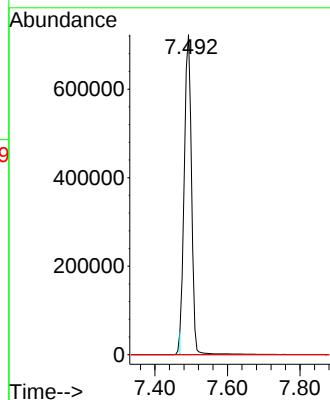
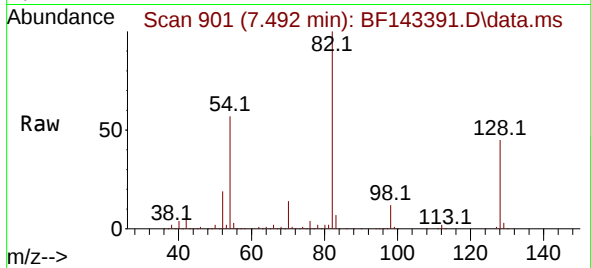




#25
Isophorone
Concen: 54.117 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

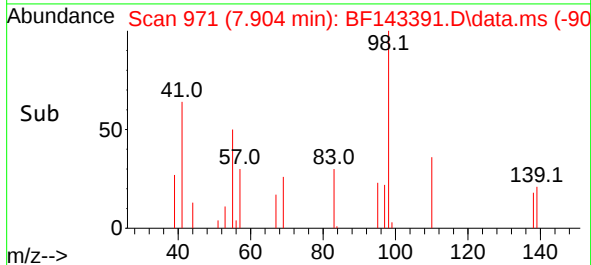
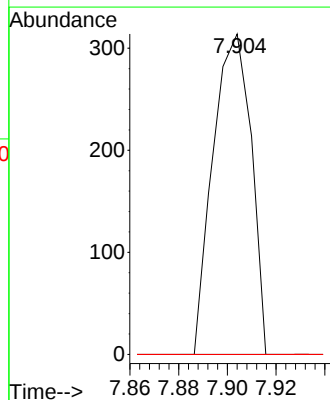
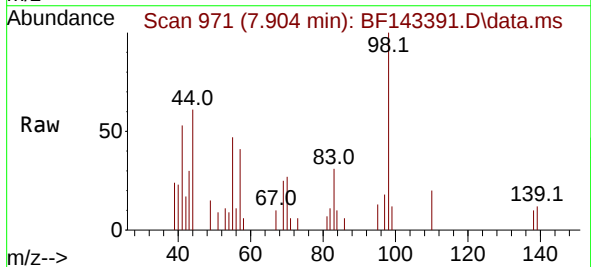
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

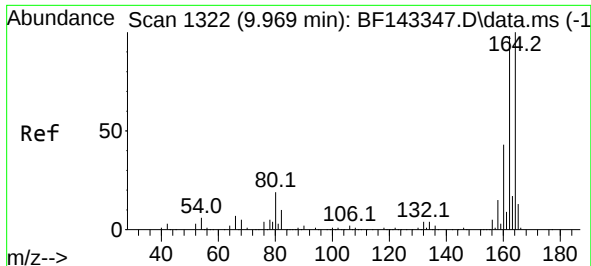
Tgt Ion: 82 Resp: 995991
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.723 ng
RT: 7.904 min Scan# 971
Delta R.T. 0.076 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion:139 Resp: 342
Ion Ratio Lower Upper
139 100
109 0.0 22.4 33.6#
65 0.0 42.9 64.3#

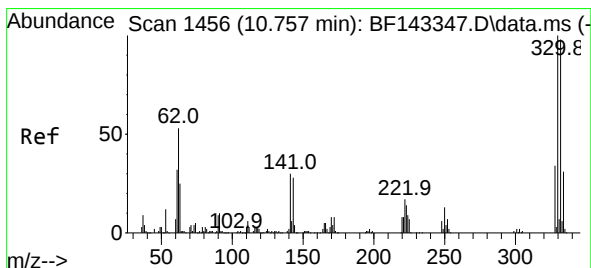
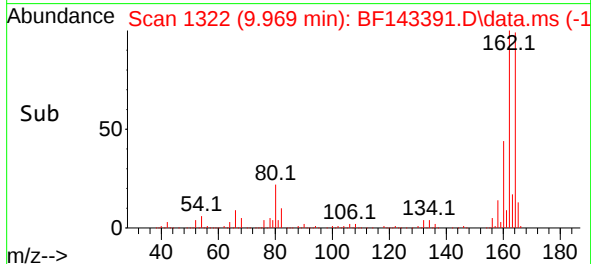
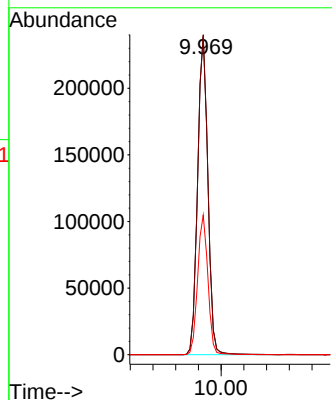
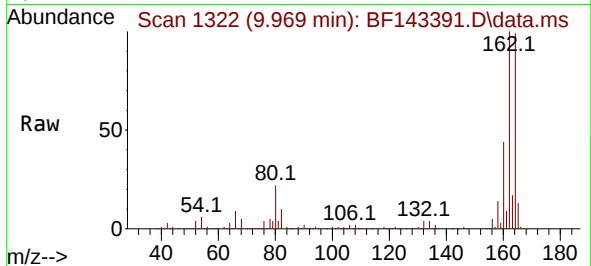




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

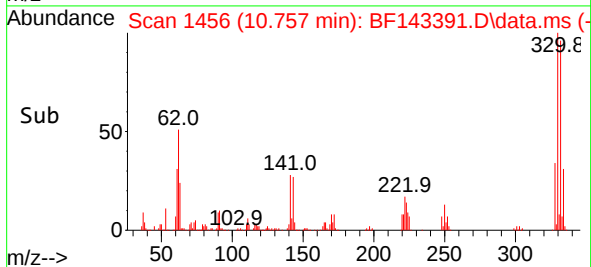
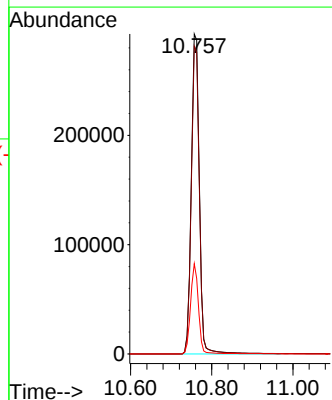
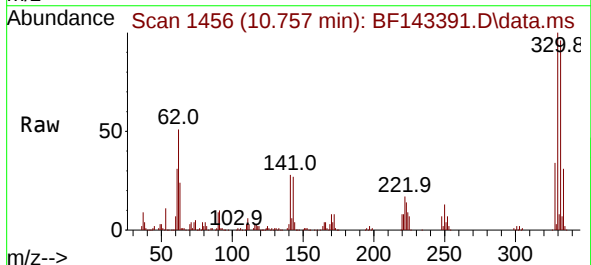
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ClientSampleId :
TW-BP-N

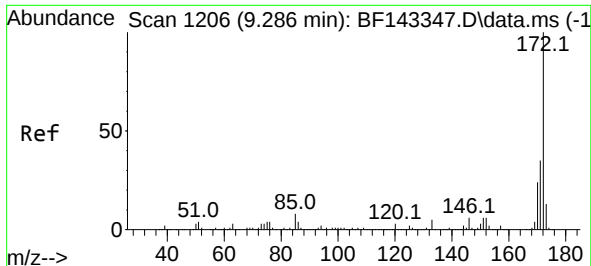
Tgt Ion:164 Resp: 301794
Ion Ratio Lower Upper
164 100
162 100.6 78.6 118.0
160 43.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 182.366 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion:330 Resp: 402221
Ion Ratio Lower Upper
330 100
332 95.8 78.1 117.1
141 27.5 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 96.989 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N

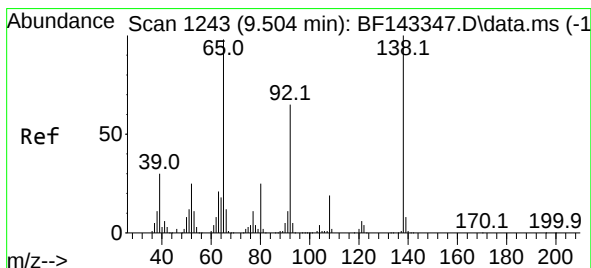
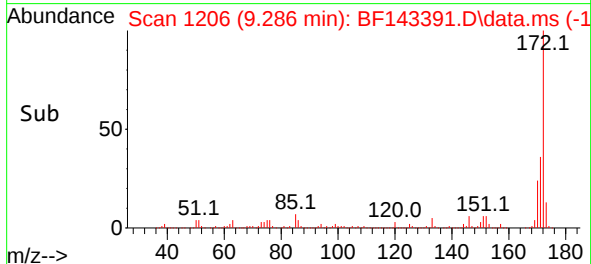
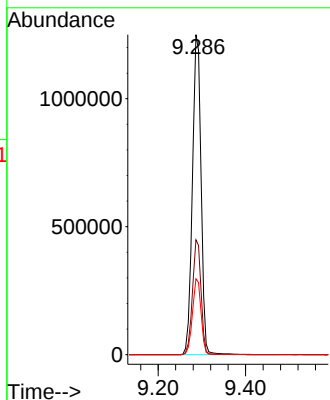
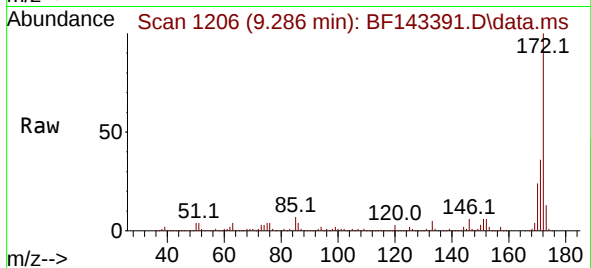
Tgt Ion:172 Resp: 1726118

Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.7 19.1 28.7



#48

2-Nitroaniline

Concen: 3.313 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

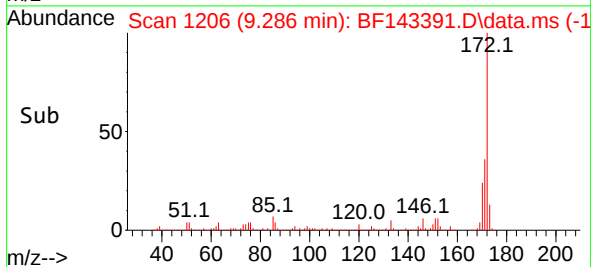
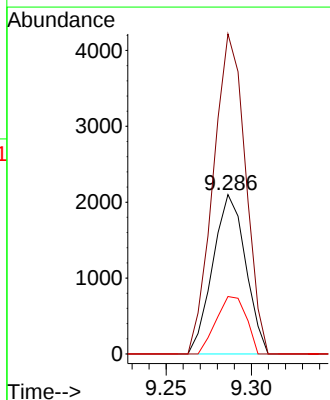
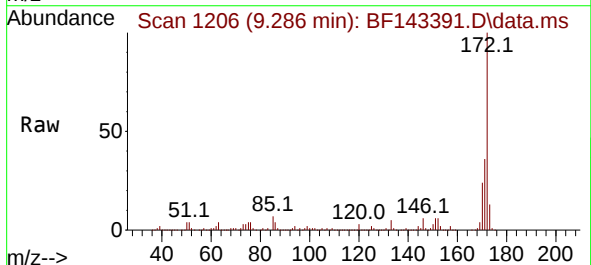
Tgt Ion: 65 Resp: 2815

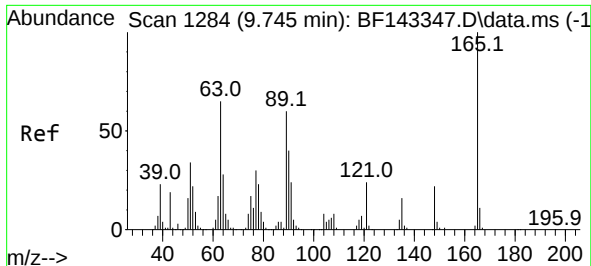
Ion Ratio Lower Upper

65 100

92 200.9 53.1 79.7#

138 36.0 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.964 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.224 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

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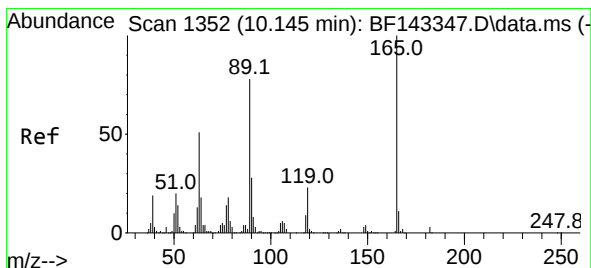
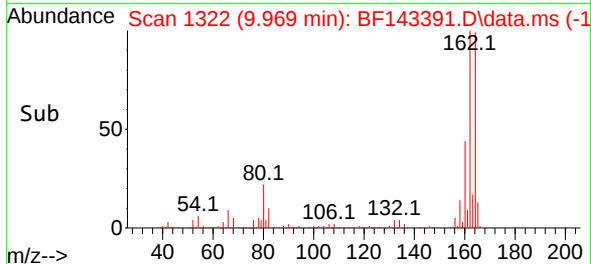
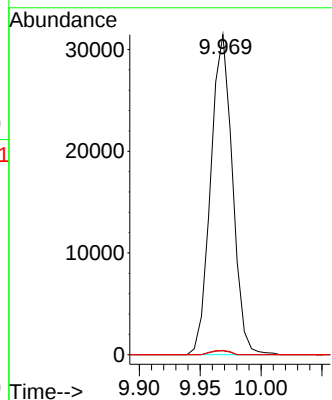
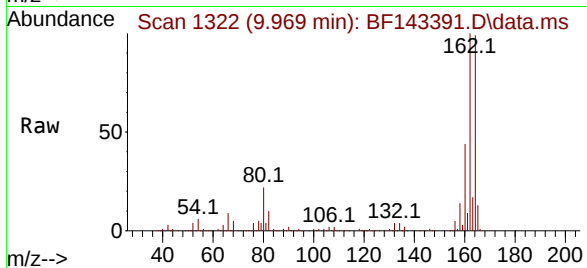
Tgt Ion:165 Resp: 39126

Ion Ratio Lower Upper

165 100

63 1.2 51.6 77.4#

89 1.4 47.7 71.5#



#57

2,4-Dinitrotoluene

Concen: 11.295 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Tgt Ion:165 Resp: 39126

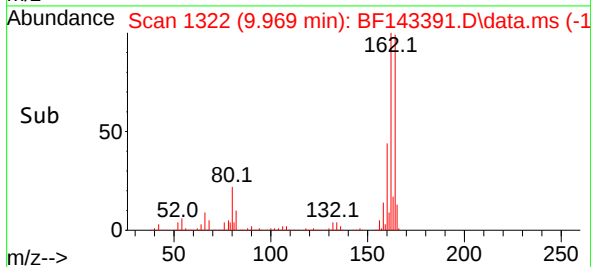
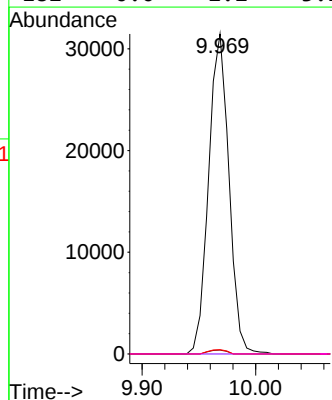
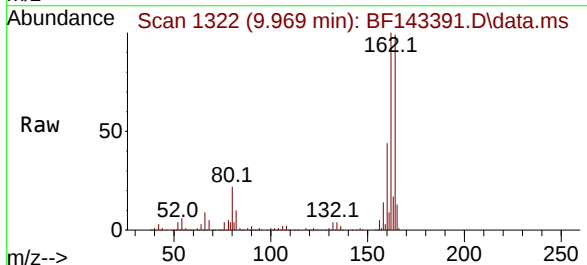
Ion Ratio Lower Upper

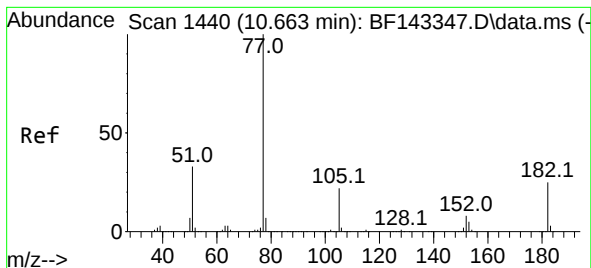
165 100

63 1.2 41.8 62.8#

89 1.4 62.4 93.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.885 ng

RT: 10.680 min Scan# 14

Delta R.T. 0.017 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N

Tgt Ion: 77 Resp: 88133

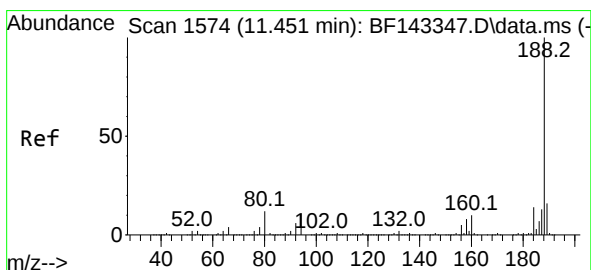
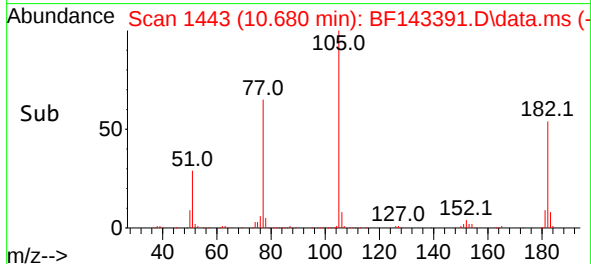
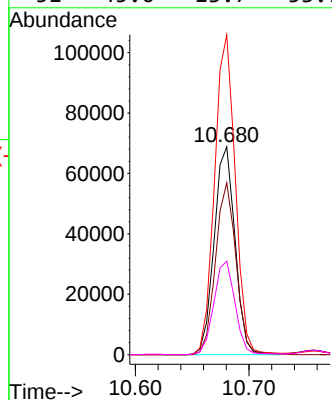
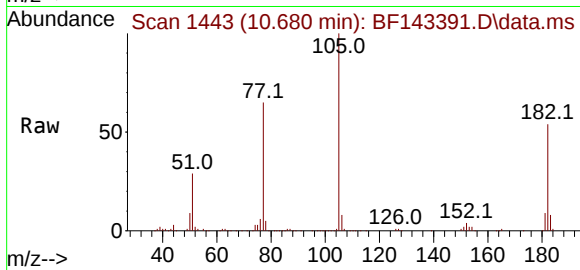
Ion Ratio Lower Upper

77 100

182 82.7 4.4 44.4#

105 154.0 1.8 41.8#

51 45.0 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

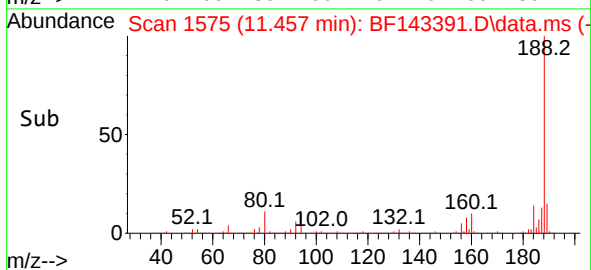
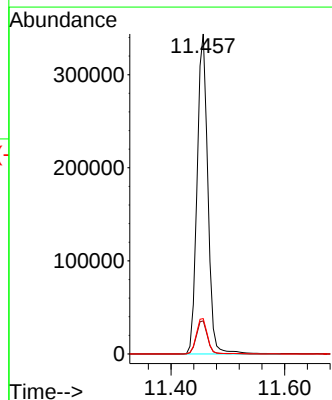
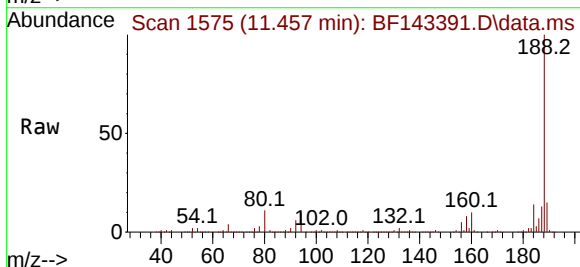
Tgt Ion:188 Resp: 453683

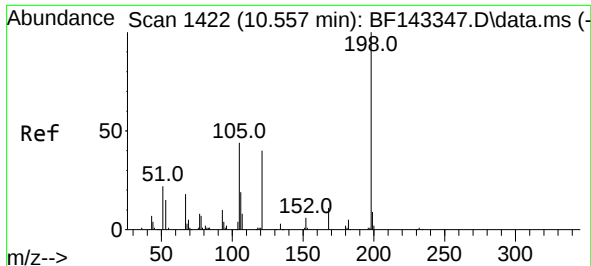
Ion Ratio Lower Upper

188 100

94 10.3 8.8 13.2

80 11.1 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 7.585 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N

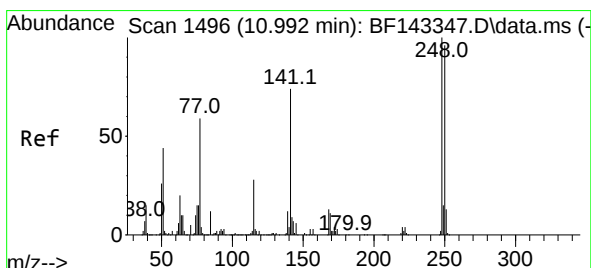
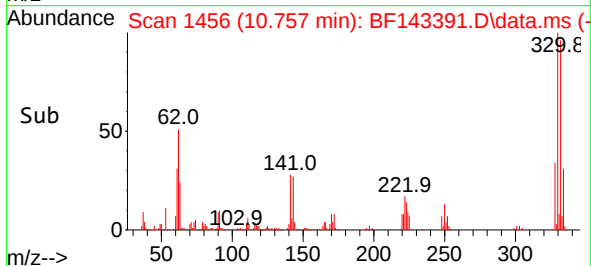
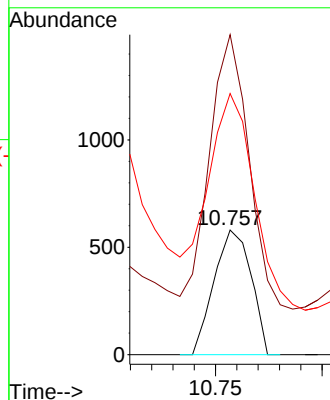
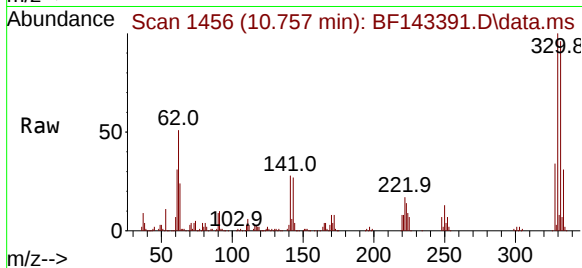
Tgt Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 256.9 41.7 81.7#

105 209.7 26.8 66.8#



#67

4-Bromophenyl-phenylether

Concen: 4.963 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.235 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

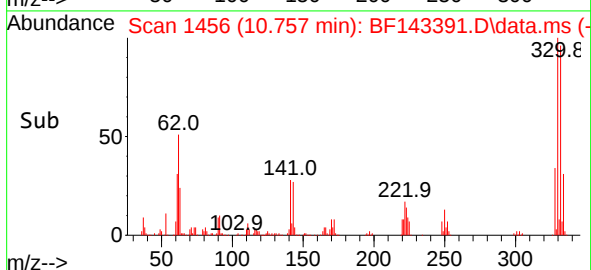
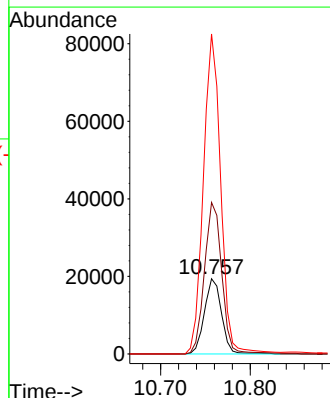
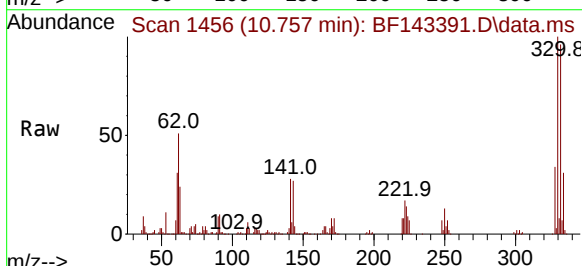
Tgt Ion:248 Resp: 25749

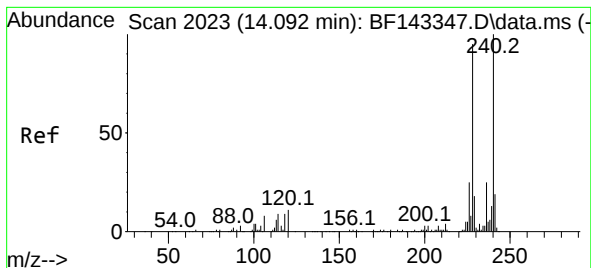
Ion Ratio Lower Upper

248 100

250 201.6 77.1 115.7#

141 425.8 59.1 88.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N

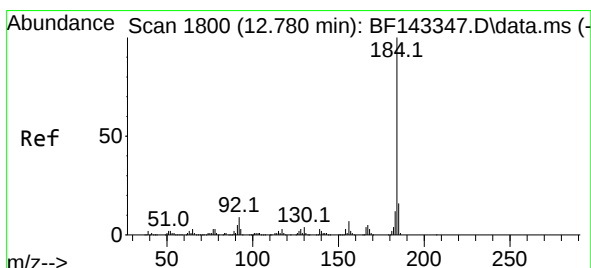
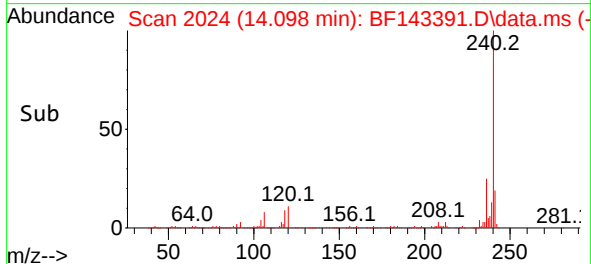
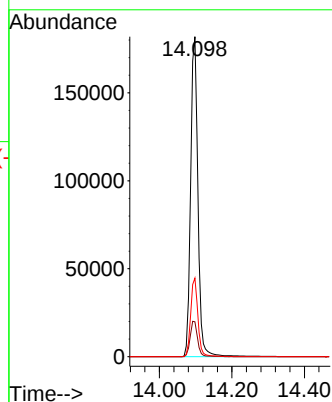
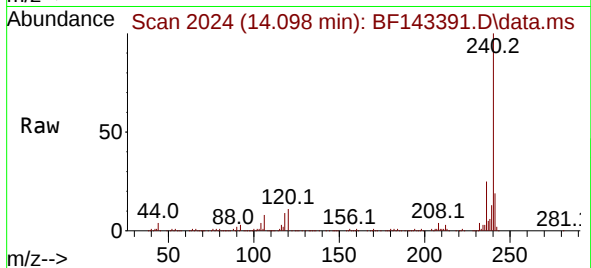
Tgt Ion:240 Resp: 253979

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.6

236 24.5 19.9 29.9



#77

Benzidine

Concen: 2.652 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143391.D

Acq: 14 Aug 2025 19:56

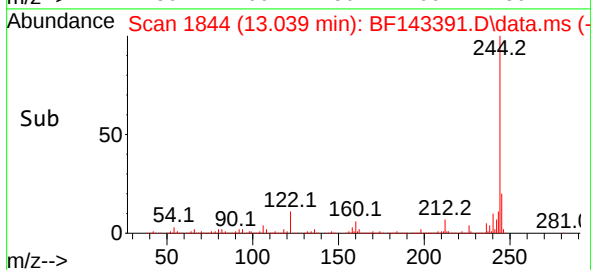
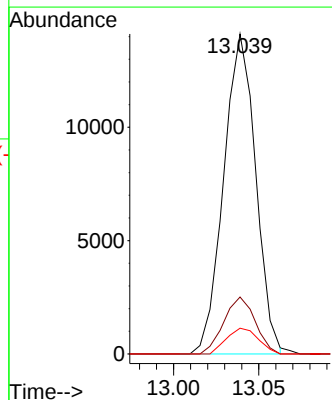
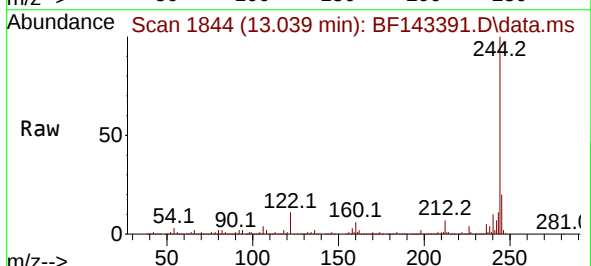
Tgt Ion:184 Resp: 18416

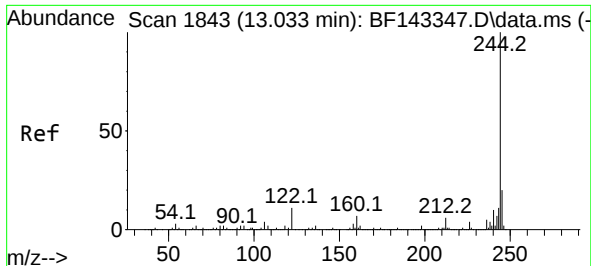
Ion Ratio Lower Upper

184 100

185 17.8 12.8 19.2

183 8.1 9.3 13.9#

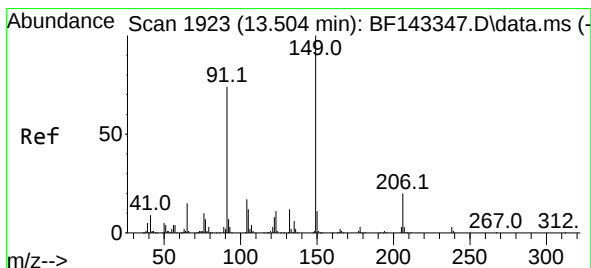
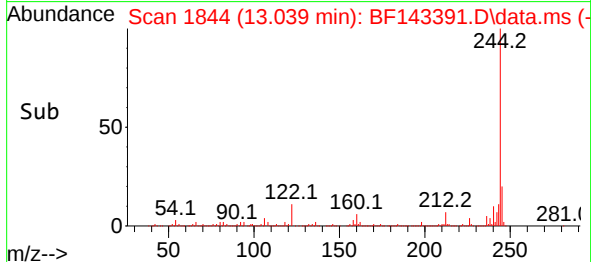
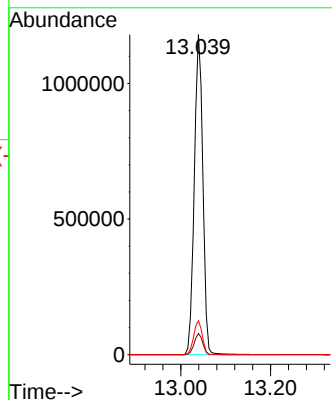
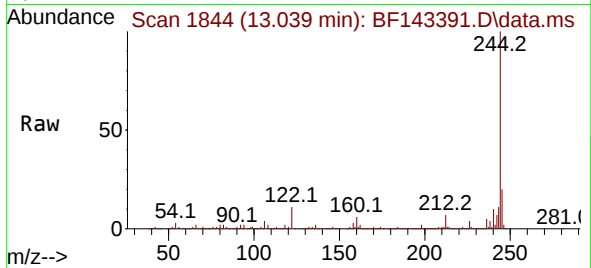




#79
 Terphenyl-d14
 Concen: 109.591 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

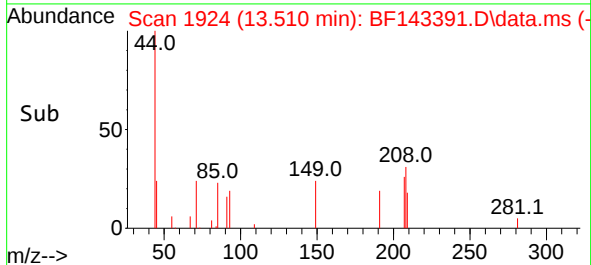
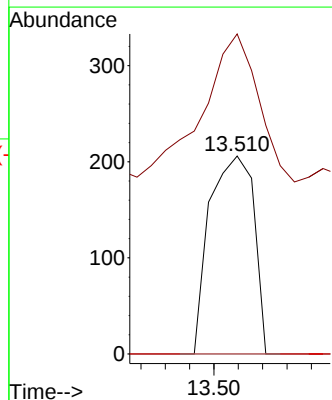
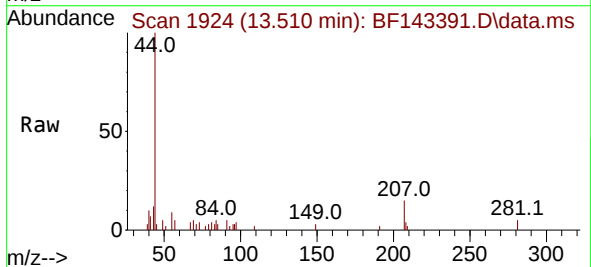
Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-N

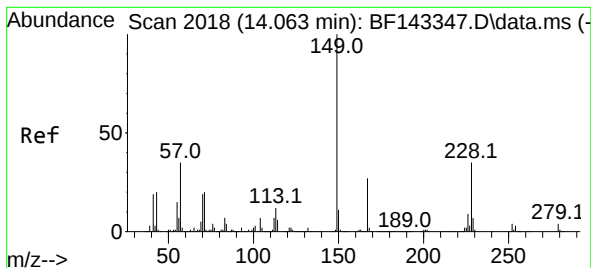
Tgt Ion:244 Resp: 1559023
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.6 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.408 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143391.D
 Acq: 14 Aug 2025 19:56

Tgt Ion:149 Resp: 259
 Ion Ratio Lower Upper
 149 100
 91 161.7 58.8 88.2#
 206 0.0 16.4 24.6#

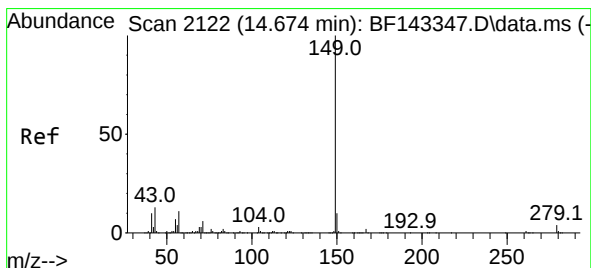
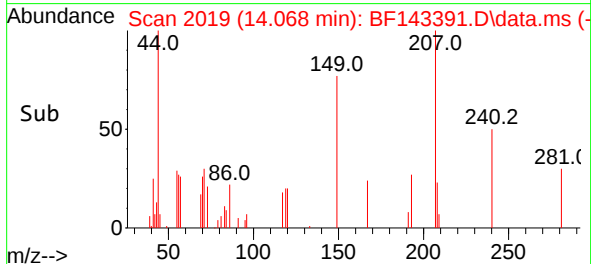
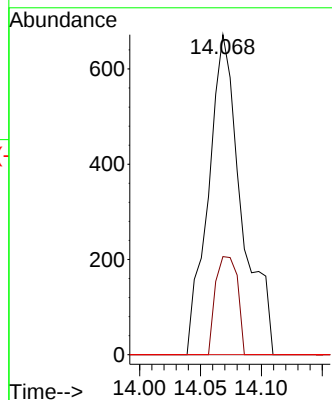
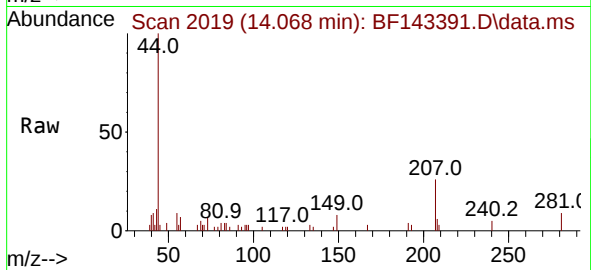




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.178 ng
RT: 14.068 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

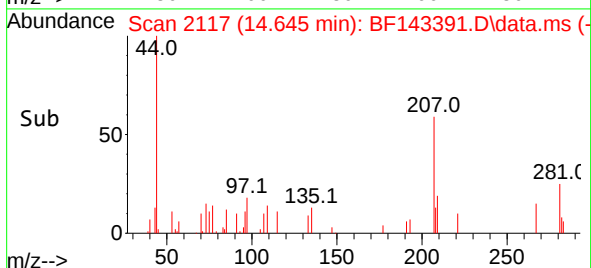
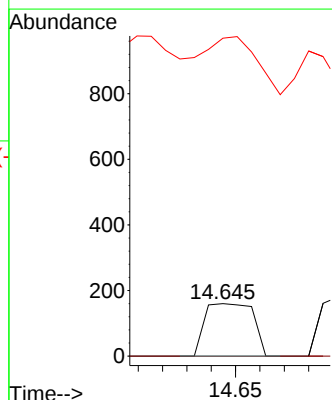
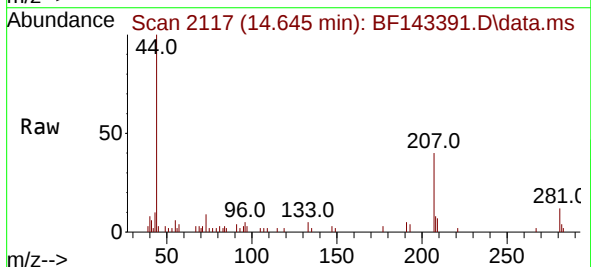
Instrument :
BNA_F
ClientSampleId :
TW-BP-N

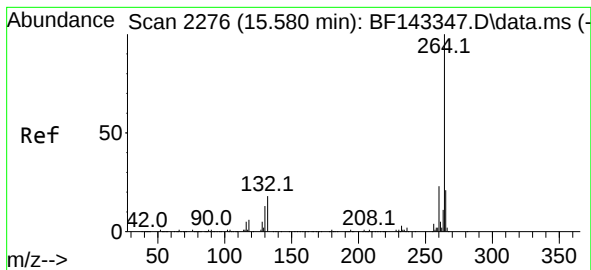
Tgt Ion:149 Resp: 1275
Ion Ratio Lower Upper
149 100
167 30.7 21.4 32.0
279 0.0 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 6.040 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.029 min
Lab File: BF143391.D
Acq: 14 Aug 2025 19:56

Tgt Ion:149 Resp: 220
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 109.5 10.8 16.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143391.D

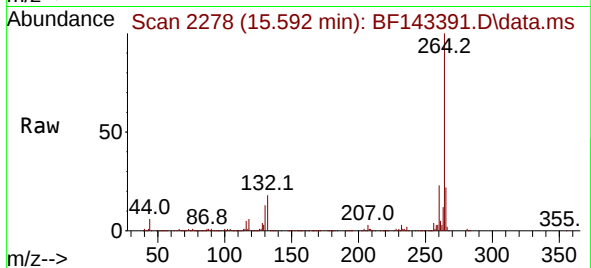
Acq: 14 Aug 2025 19:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-N



Tgt Ion:264 Resp: 291392

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.6 17.2 25.8

