

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143393.D
 Acq On : 14 Aug 2025 20:56
 Operator : RC/JU
 Sample : Q2814-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-BP-W

Quant Time: Aug 15 01:34:50 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)

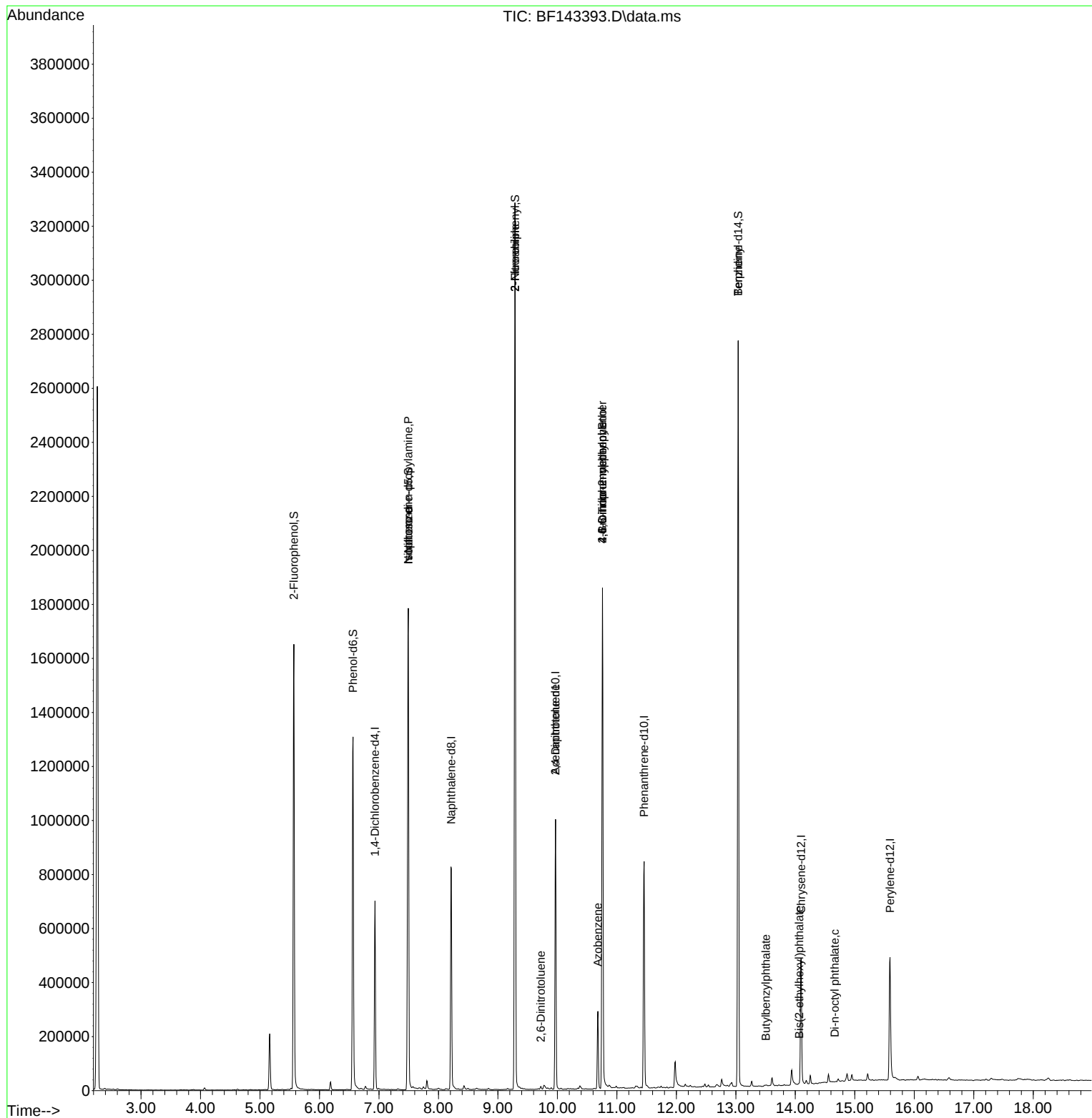
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	145496	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	552631	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	297448	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	446811	20.000	ng	0.00
76) Chrysene-d12	14.098	240	248119	20.000	ng	0.00
86) Perylene-d12	15.592	264	287001	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	612169	72.758	ng	0.00
7) Phenol-d6	6.563	99	613561	56.866	ng	0.00
23) Nitrobenzene-d5	7.492	82	832224	93.780	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	333673	153.497	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1466529	83.607	ng	0.00
79) Terphenyl-d14	13.039	244	1350271	97.159	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	111798	16.769	ng	# 78
25) Isophorone	7.492	82	804231	44.393	ng	# 65
48) 2-Nitroaniline	9.286	65	2470	3.253	ng	# 1
51) 2,6-Dinitrotoluene	9.722	165	1488	3.387	ng	# 19
57) 2,4-Dinitrotoluene	9.969	165	37810	11.133	ng	# 19
63) Azobenzene	10.680	77	71649	4.029	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	661	7.571	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	21395	4.187	ng	# 1
77) Benzidine	13.039	184	15942	2.350	ng	# 96
80) Butylbenzylphthalate	13.504	149	582	3.482	ng	# 70
84) Bis(2-ethylhexyl)phtha...	14.068	149	2132	4.313	ng	# 93
85) Di-n-octyl phthalate	14.662	149	617	6.069	ng	# 1

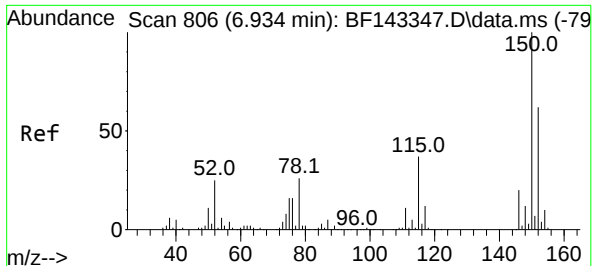
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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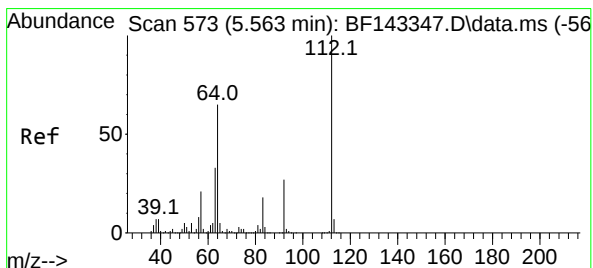
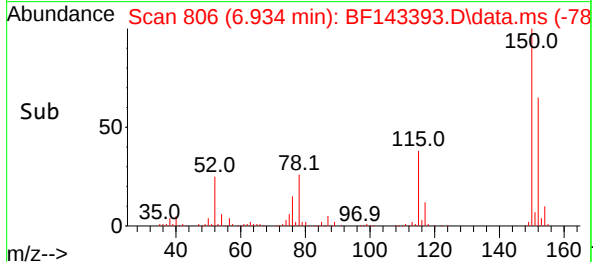
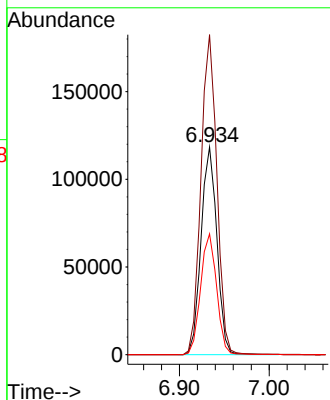
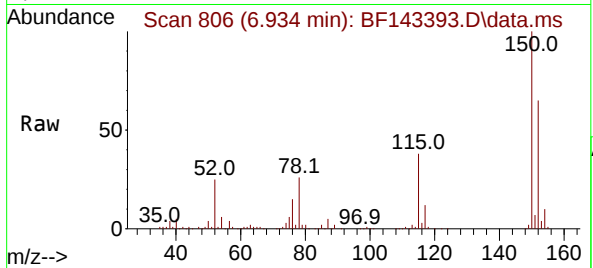




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

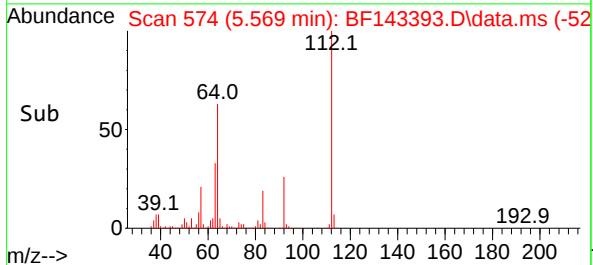
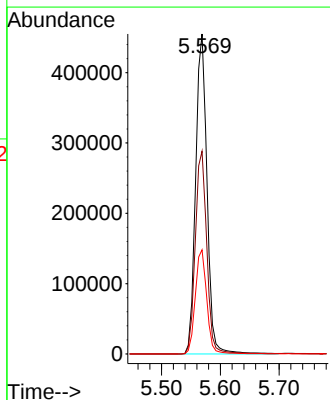
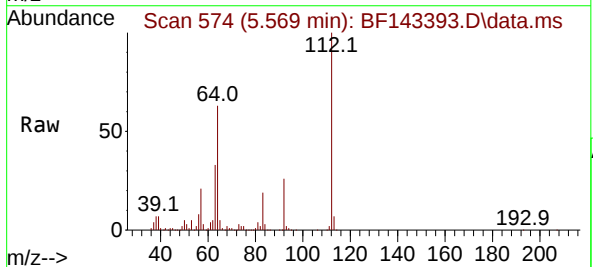
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BNA_F
ClientSampleId :
TW-BP-W

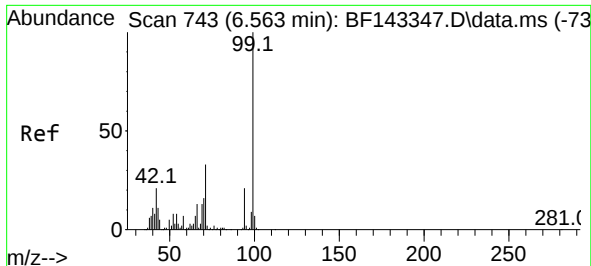
Tgt Ion:152 Resp: 145496
Ion Ratio Lower Upper
152 100
150 154.1 129.8 194.8
115 58.1 47.8 71.8



#5
2-Fluorophenol
Concen: 72.758 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion:112 Resp: 612169
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 32.6 26.6 39.8





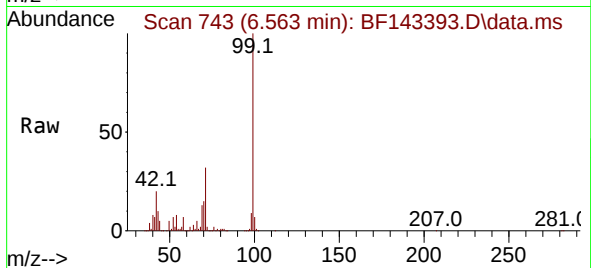
#7
Phenol-d6
Concen: 56.866 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Instrument :

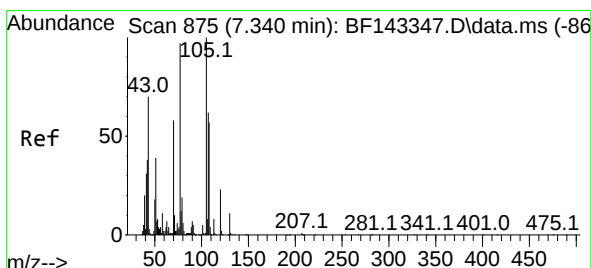
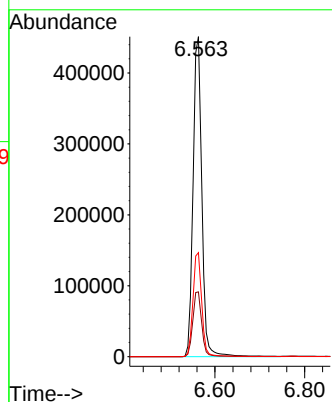
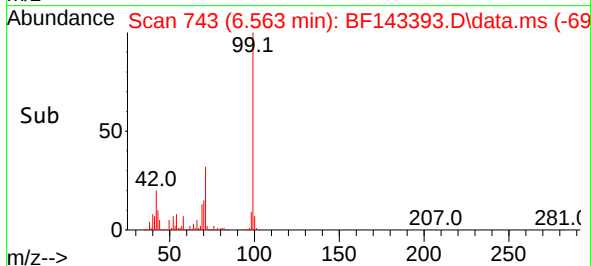
BNA_F

ClientSampleId :

TW-BP-W

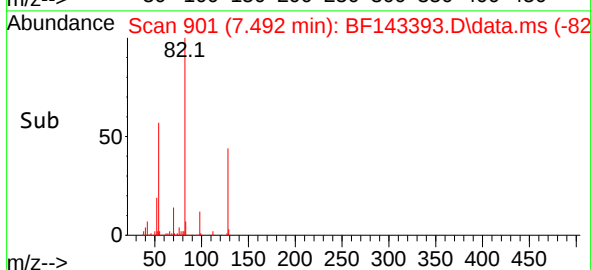
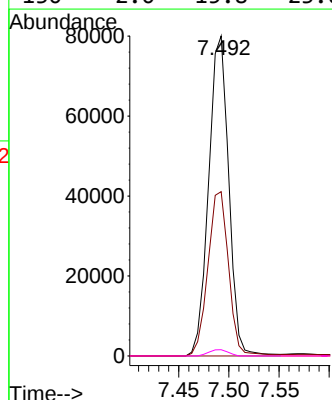
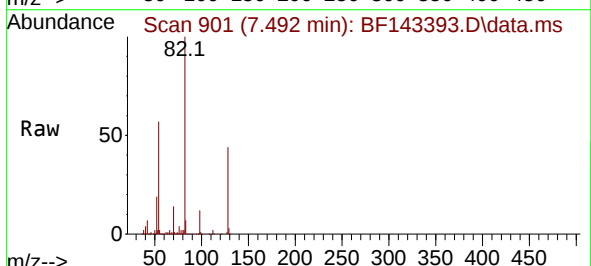


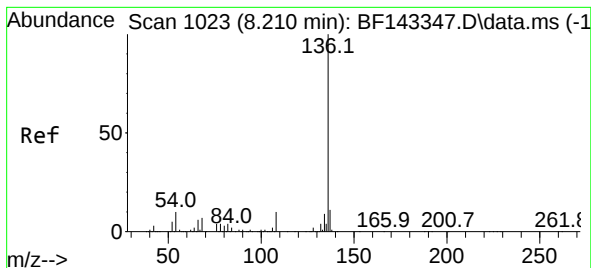
Tgt Ion: 99 Resp: 613561
Ion Ratio Lower Upper
99 100
42 20.2 16.6 25.0
71 32.5 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.769 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion: 70 Resp: 111798
Ion Ratio Lower Upper
70 100
42 51.4 51.6 77.4#
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W

Tgt Ion:136 Resp: 552631

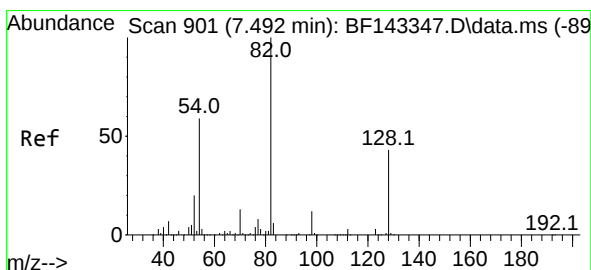
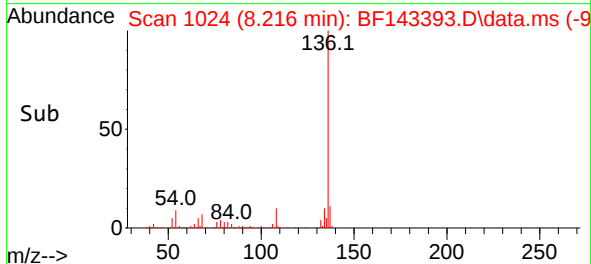
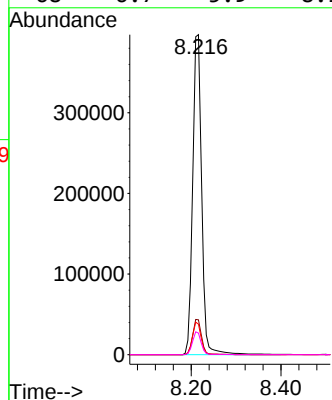
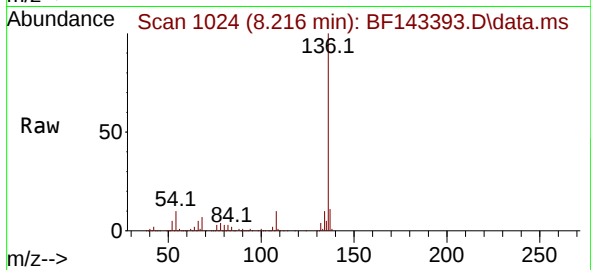
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.6 8.4 12.6

68 6.7 5.9 8.9



#23

Nitrobenzene-d5

Concen: 93.780 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

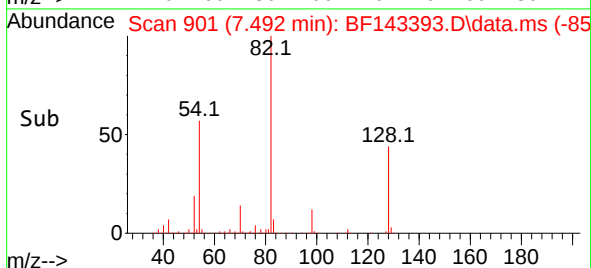
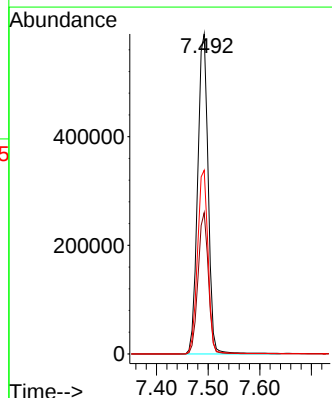
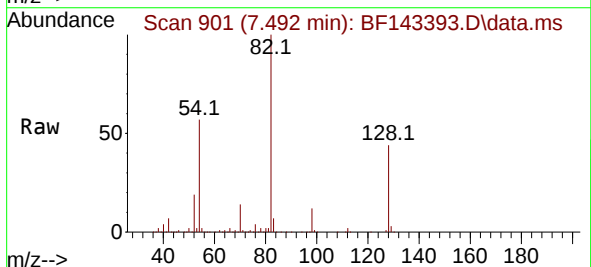
Tgt Ion: 82 Resp: 832224

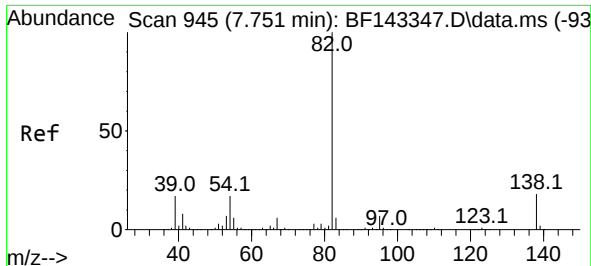
Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

54 57.4 46.7 70.1

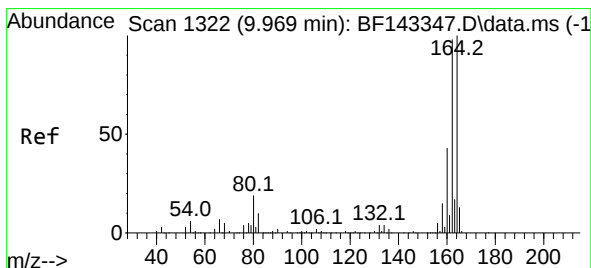
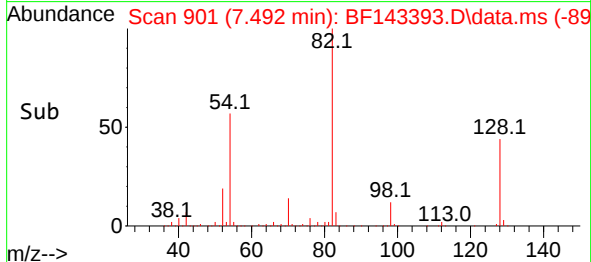
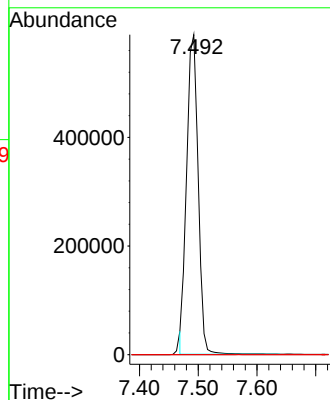
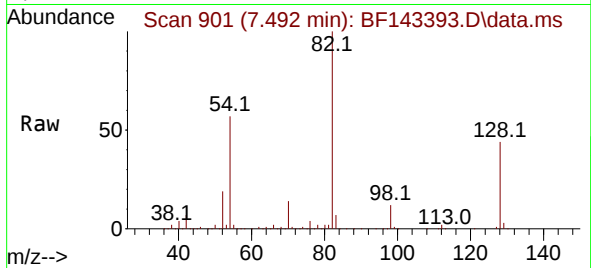




#25
Isophorone
Concen: 44.393 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

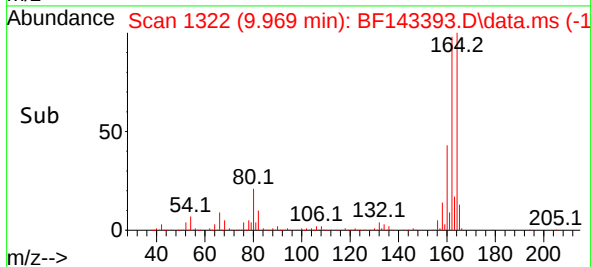
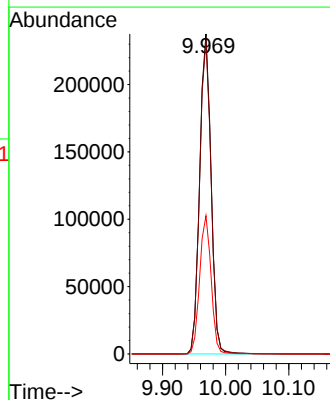
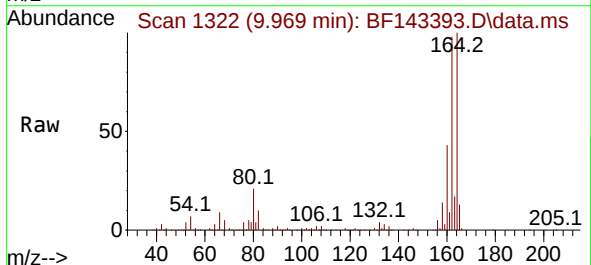
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

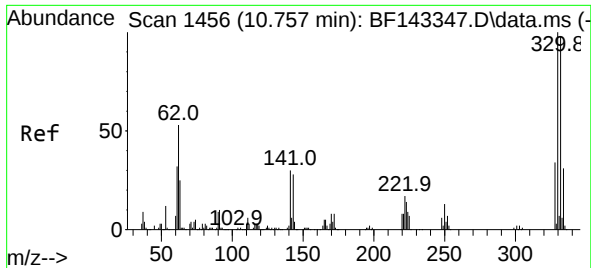
Tgt Ion: 82 Resp: 804231
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

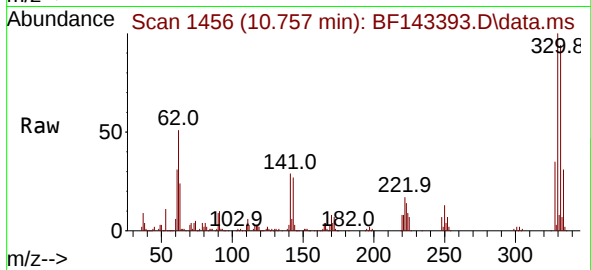
Tgt Ion:164 Resp: 297448
Ion Ratio Lower Upper
164 100
162 98.0 78.6 118.0
160 43.2 34.4 51.6



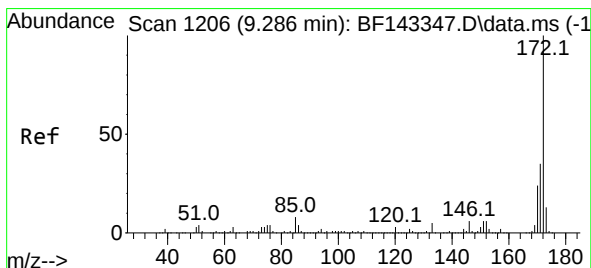
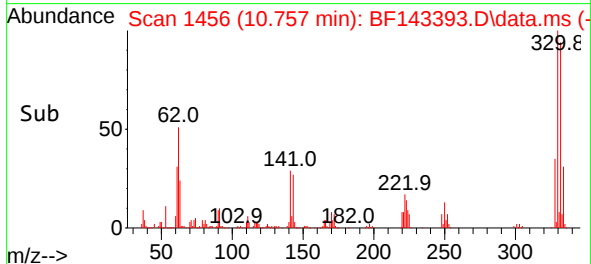
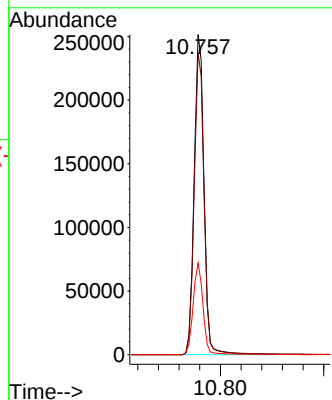


#42
2,4,6-Tribromophenol
Concen: 153.497 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Instrument :
BNA_F
ClientSampleId :
TW-BP-W

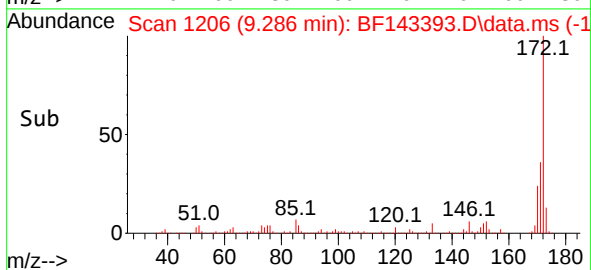
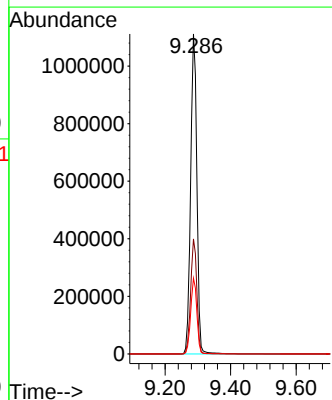
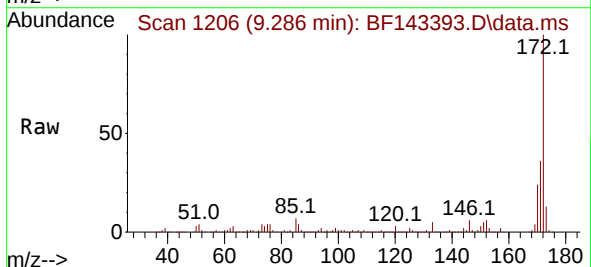


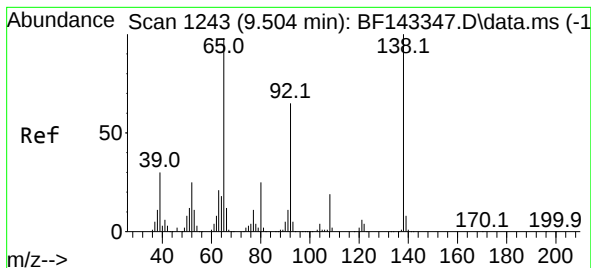
Tgt Ion: 330 Resp: 333673
Ion Ratio Lower Upper
330 100
332 94.6 78.1 117.1
141 29.0 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 83.607 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion: 172 Resp: 1466529
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.6 19.1 28.7





#48

2-Nitroaniline

Concen: 3.253 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.218 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W

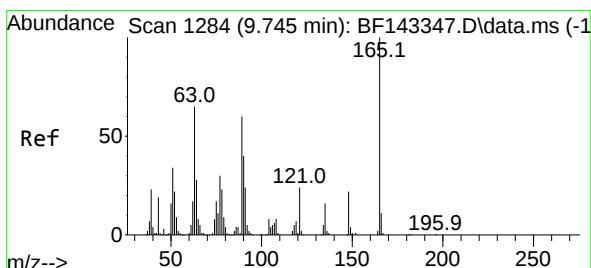
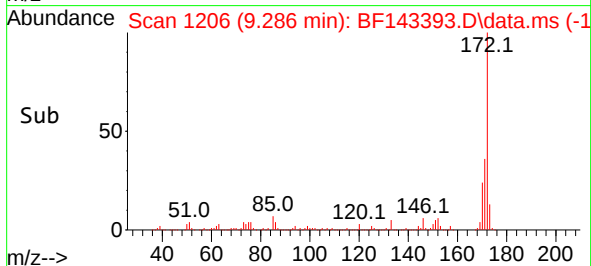
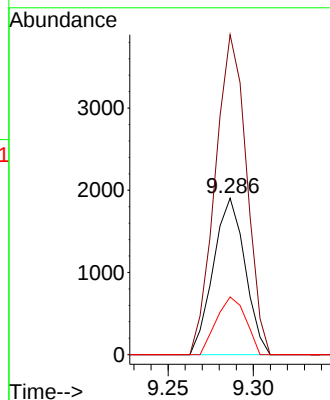
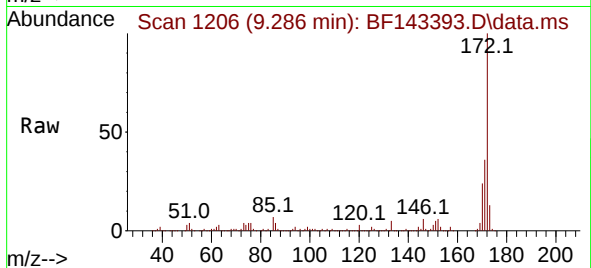
Tgt Ion: 65 Resp: 2470

Ion Ratio Lower Upper

65 100

92 204.6 53.1 79.7#

138 36.9 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 3.387 ng

RT: 9.722 min Scan# 1280

Delta R.T. -0.023 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

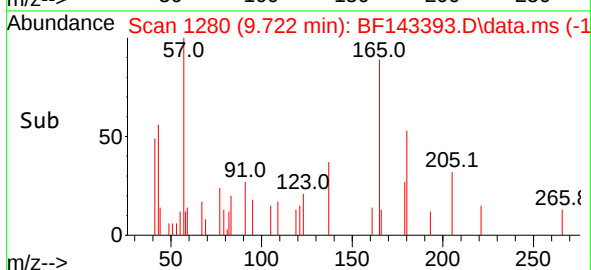
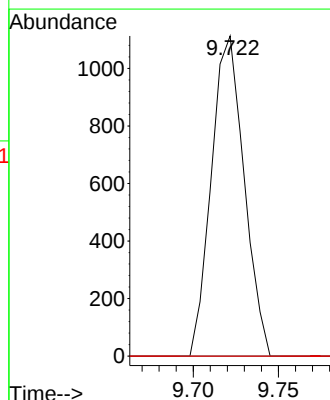
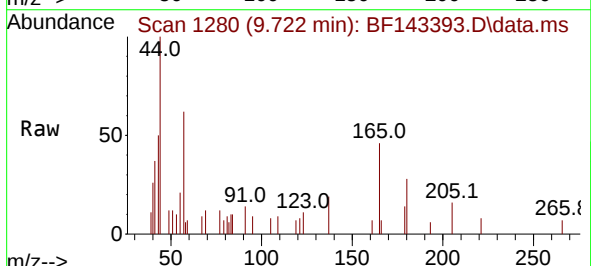
Tgt Ion: 165 Resp: 1488

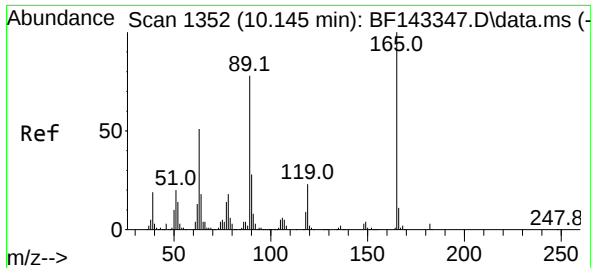
Ion Ratio Lower Upper

165 100

63 0.0 51.6 77.4#

89 0.0 47.7 71.5#

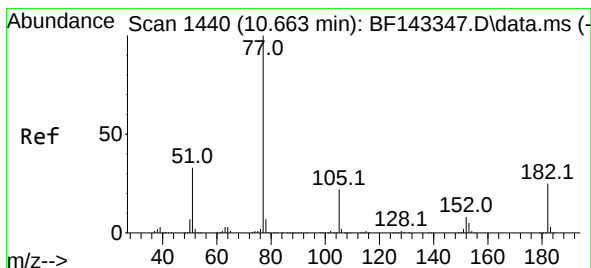
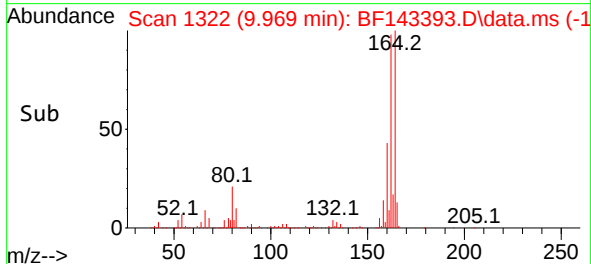
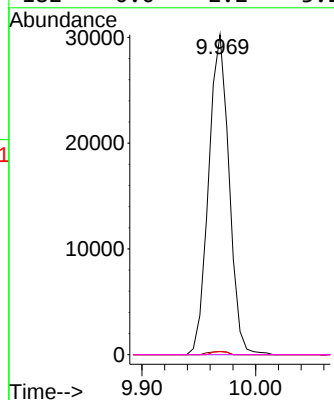
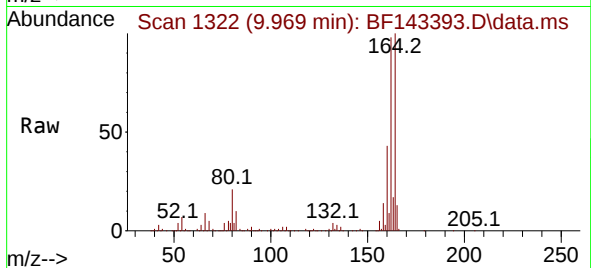




#57
2,4-Dinitrotoluene
Concen: 11.133 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

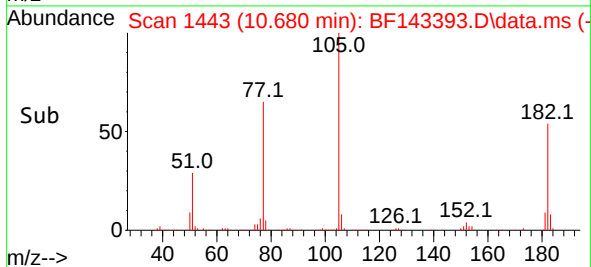
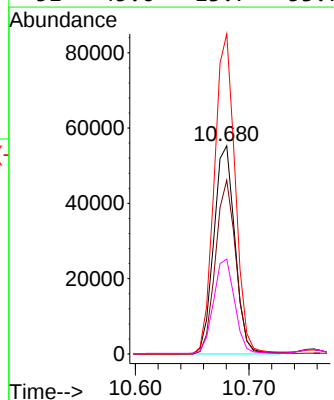
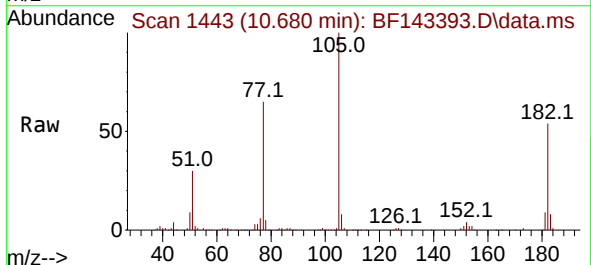
Instrument :
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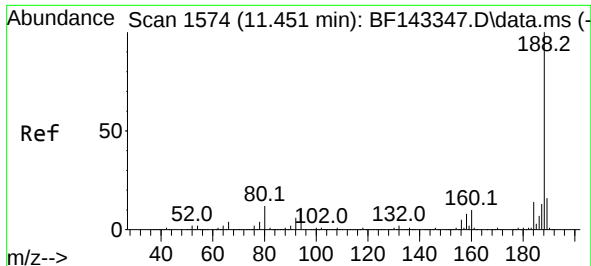
Tgt Ion:165 Resp: 37810
Ion Ratio Lower Upper
165 100
63 1.0 41.8 62.8#
89 0.9 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.029 ng
RT: 10.680 min Scan# 1443
Delta R.T. 0.018 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion: 77 Resp: 71649
Ion Ratio Lower Upper
77 100
182 83.5 4.4 44.4#
105 153.7 1.8 41.8#
51 45.6 13.7 53.7

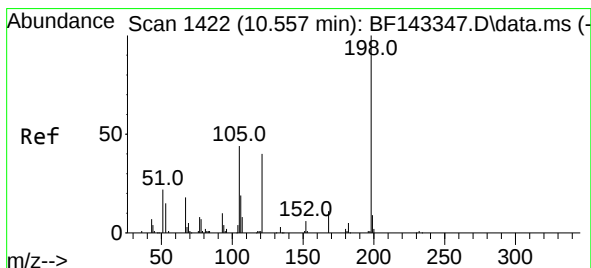
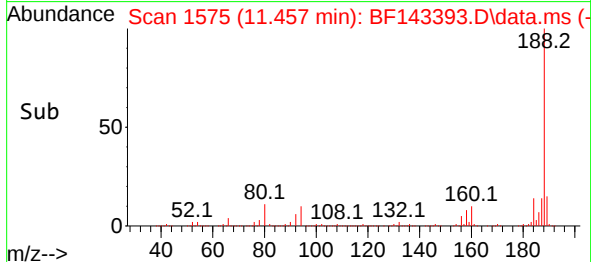
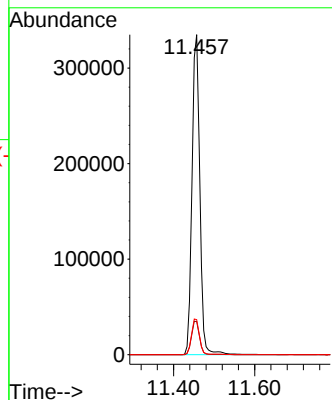
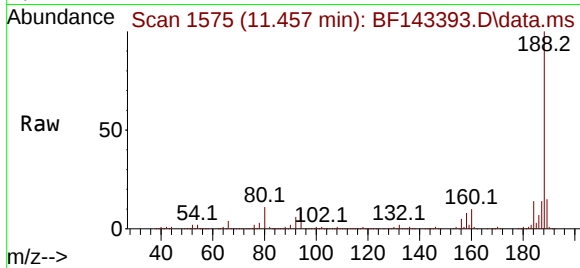




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

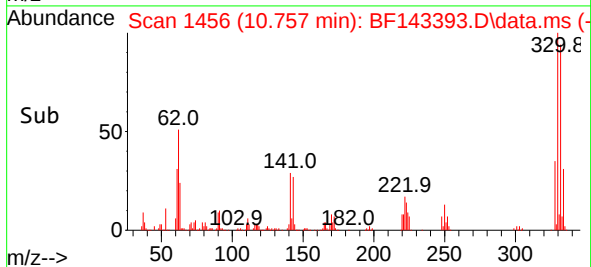
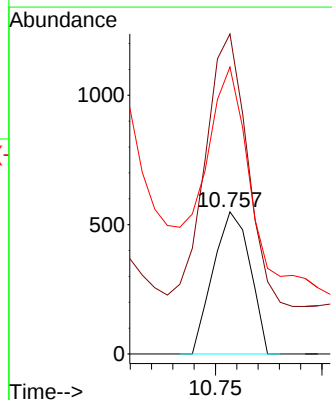
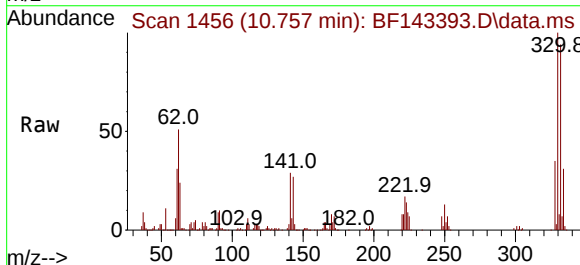
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

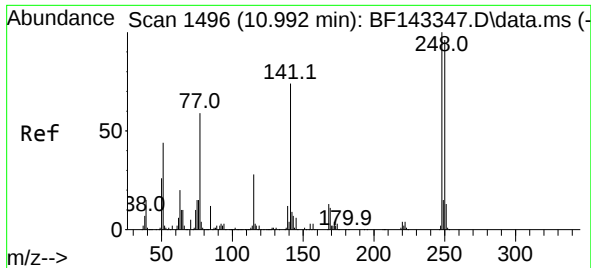
Tgt Ion:188 Resp: 446811
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.0 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.571 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion:198 Resp: 661
Ion Ratio Lower Upper
198 100
51 225.3 41.7 81.7#
105 202.0 26.8 66.8#

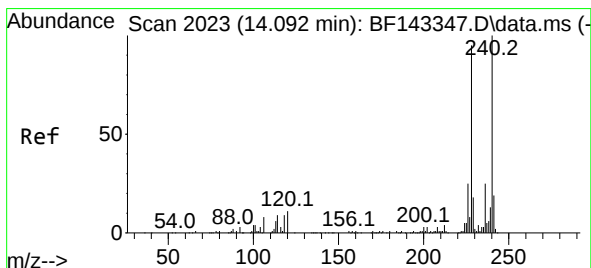
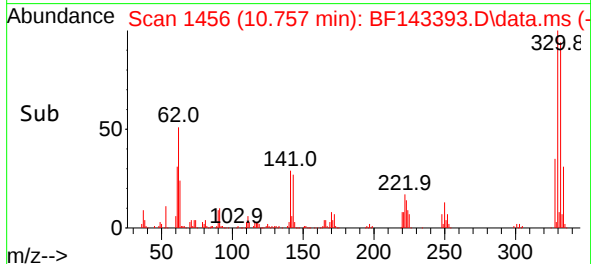
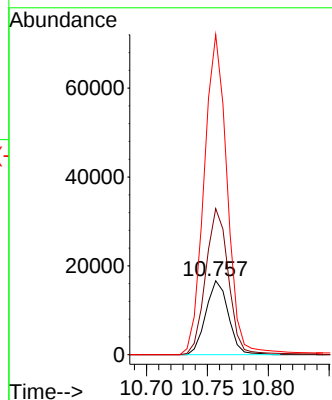
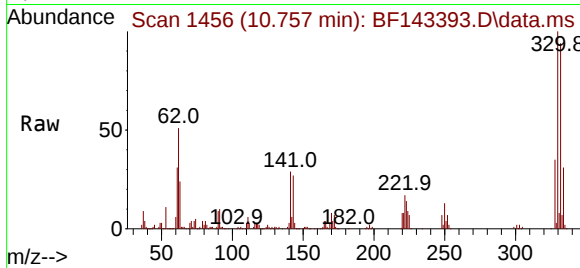




#67
4-Bromophenyl-phenylether
Concen: 4.187 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

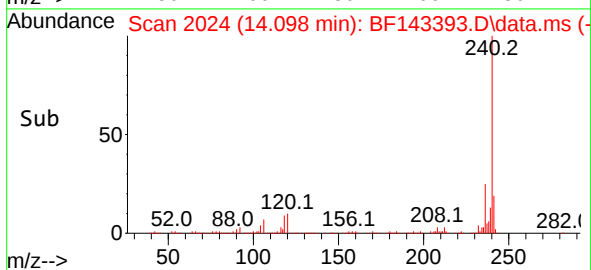
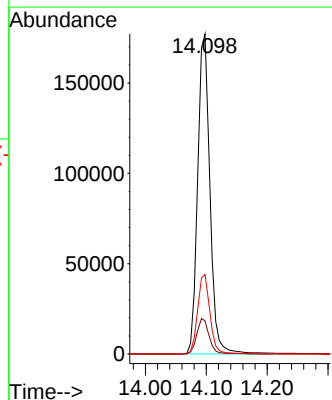
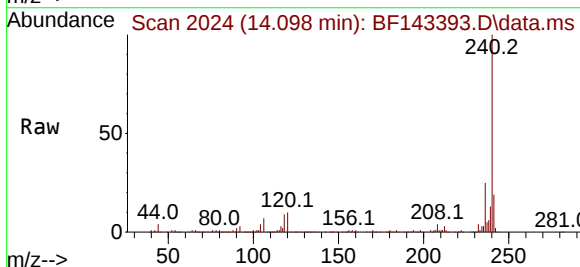
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

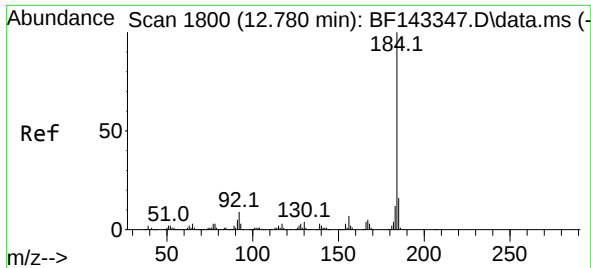
Tgt Ion:248 Resp: 21395
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 433.1 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion:240 Resp: 248119
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.6
236 24.9 19.9 29.9

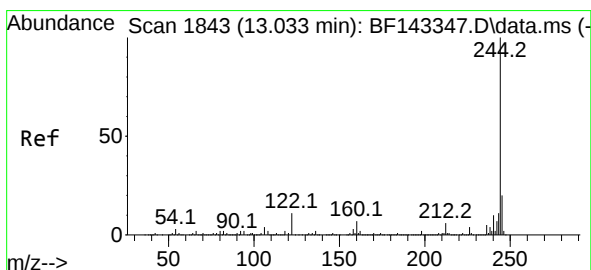
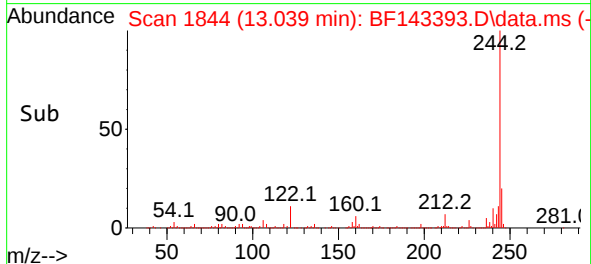
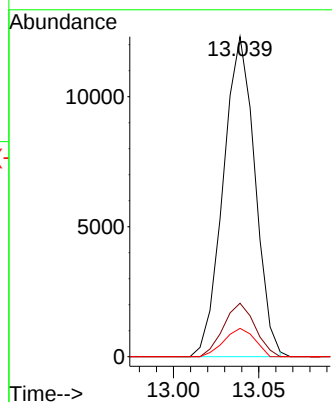
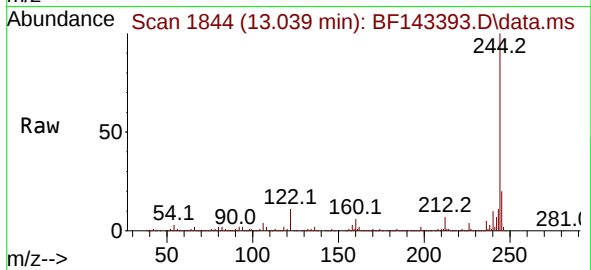




#77
Benzidine
Concen: 2.350 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

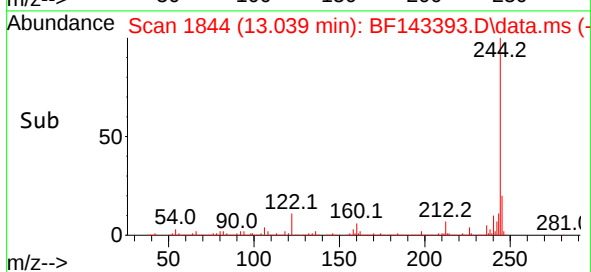
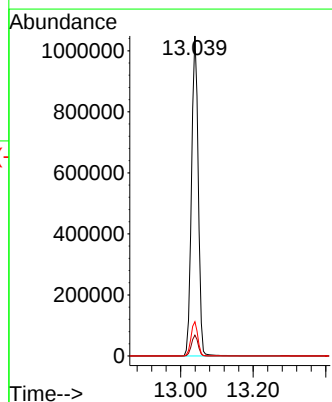
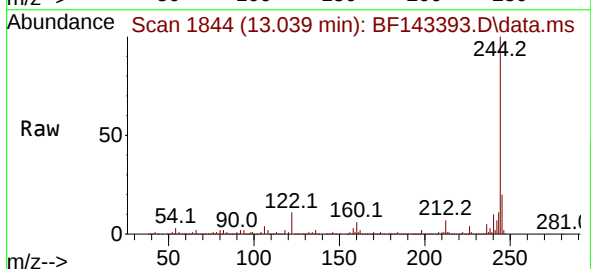
Instrument :
BNA_F
ClientSampleId :
TW-BP-W

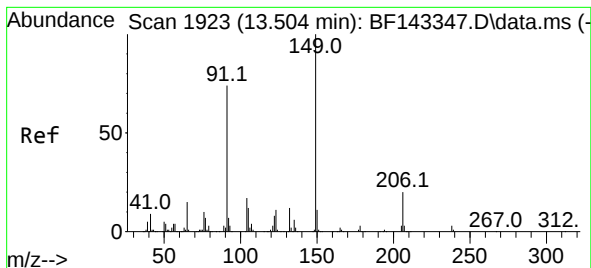
Tgt Ion:184 Resp: 15942
Ion Ratio Lower Upper
184 100
185 16.7 12.8 19.2
183 8.8 9.3 13.9#



#79
Terphenyl-d14
Concen: 97.159 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143393.D
Acq: 14 Aug 2025 20:56

Tgt Ion:244 Resp: 1350271
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.7 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.482 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

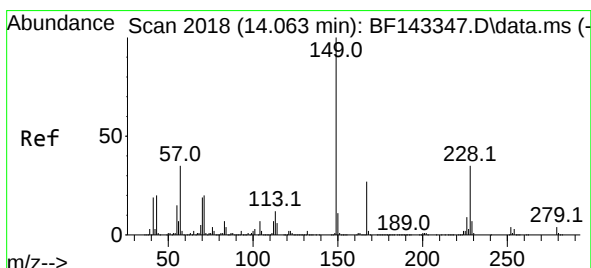
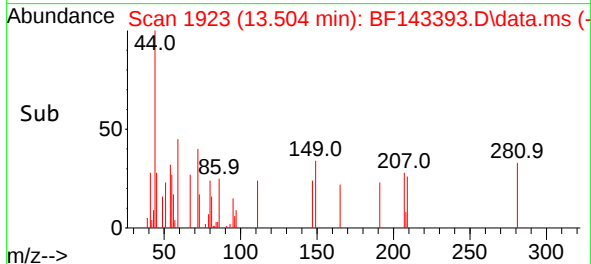
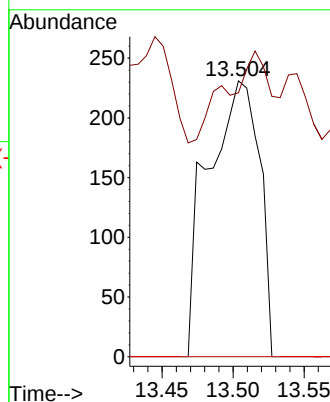
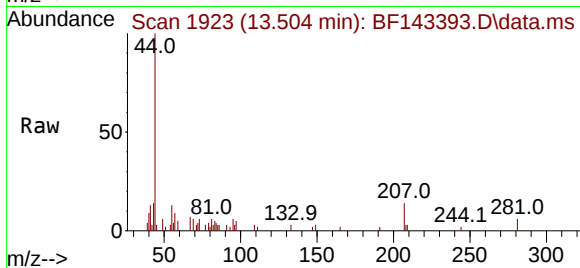
Instrument :

BNA_F

ClientSampleId :

TW-BP-W

Tgt Ion:149	Resp:	582
Ion	Ratio	Lower Upper
149	100	
91	95.7	58.8 88.2#
206	0.0	16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.313 ng

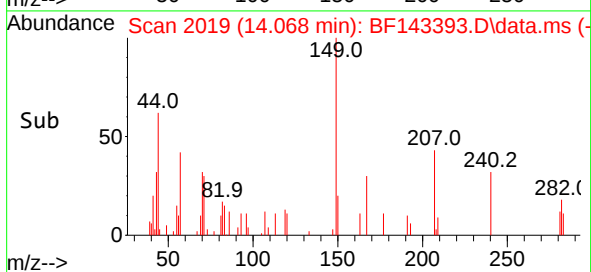
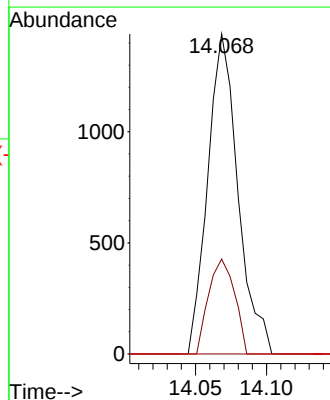
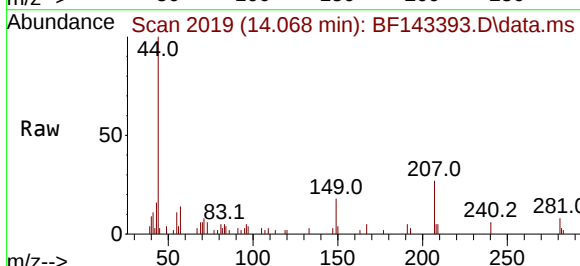
RT: 14.068 min Scan# 2019

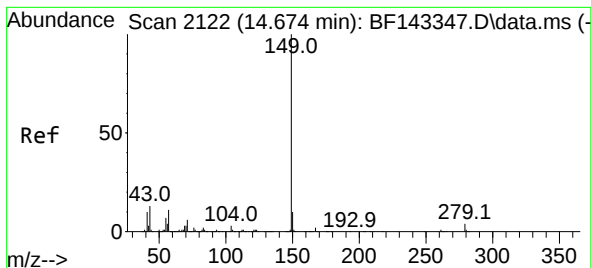
Delta R.T. 0.005 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Tgt Ion:149	Resp:	2132
Ion	Ratio	Lower Upper
149	100	
167	29.7	21.4 32.0
279	0.0	3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.069 ng

RT: 14.662 min Scan# 2122

Delta R.T. -0.012 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Instrument :

BNA_F

ClientSampleId :

TW-BP-W

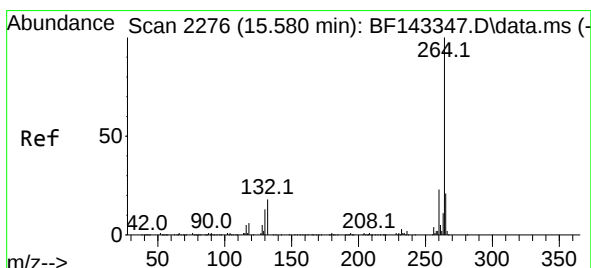
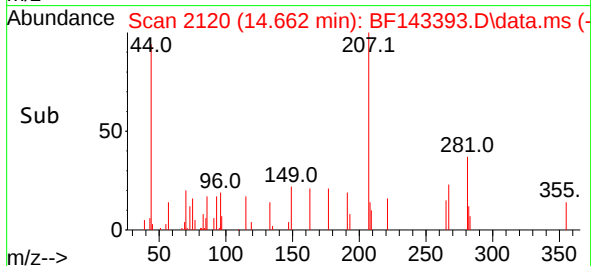
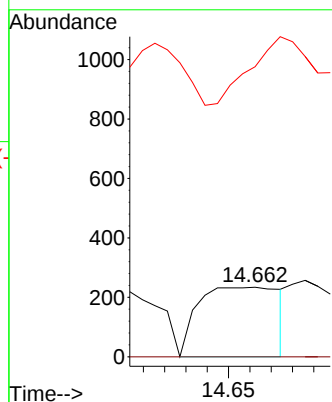
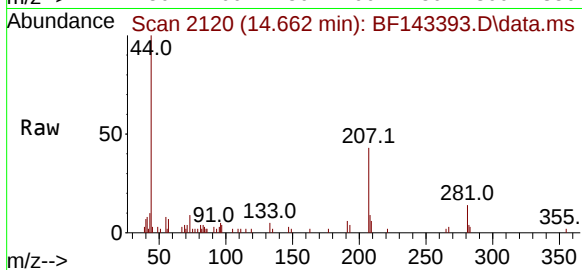
Tgt Ion:149 Resp: 617

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 69.4 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143393.D

Acq: 14 Aug 2025 20:56

Tgt Ion:264 Resp: 287001

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.1 17.2 25.8

