

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143406.D
 Acq On : 15 Aug 2025 07:20
 Operator : RC/JU
 Sample : Q2815-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-S

Quant Time: Aug 15 07:48:46 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)

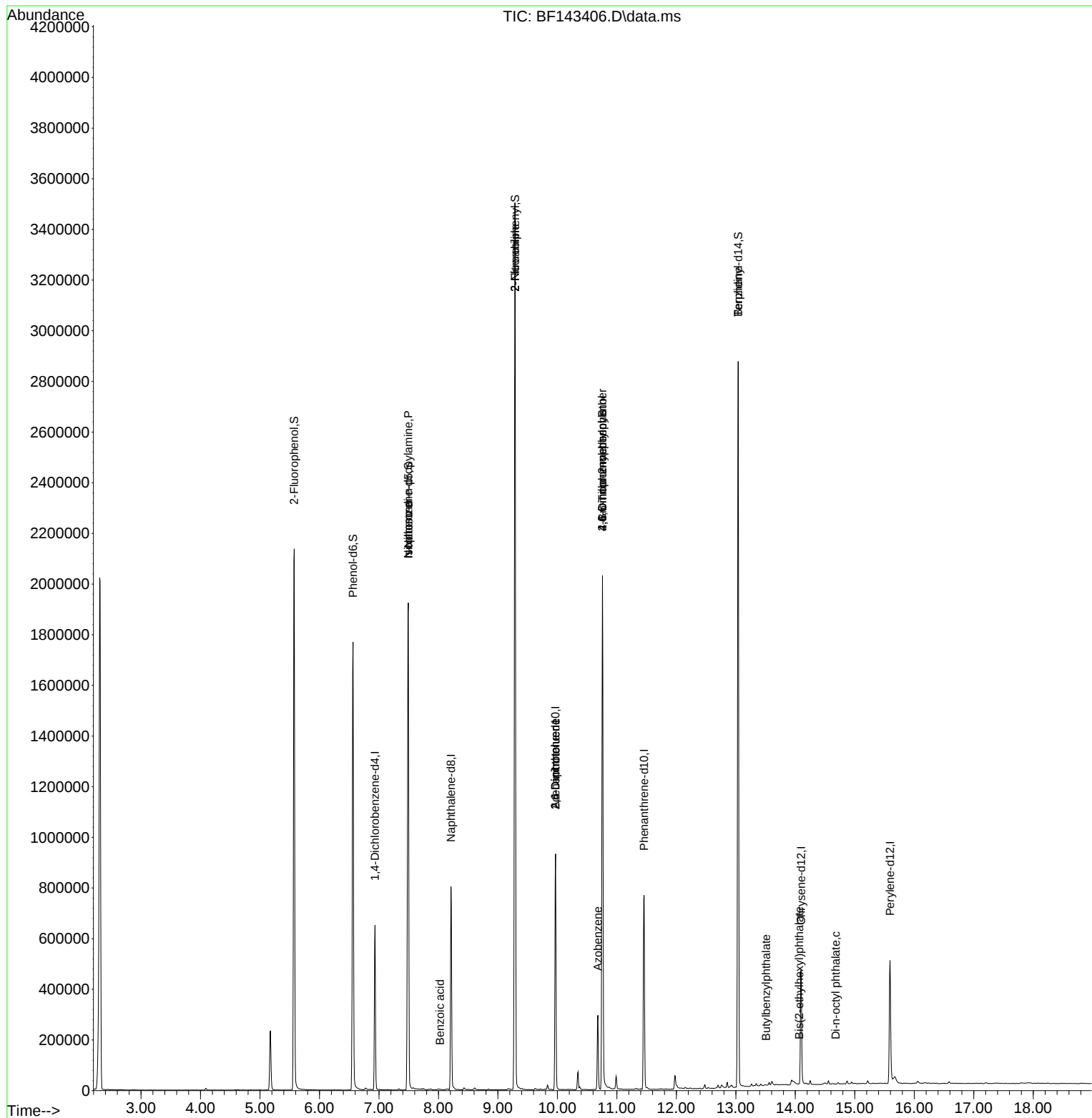
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	135058	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	527993	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	282094	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	414730	20.000	ng	0.00
76) Chrysene-d12	14.098	240	243022	20.000	ng	0.00
86) Perylene-d12	15.592	264	302866	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	808096	103.467	ng	0.01
7) Phenol-d6	6.563	99	833797	83.250	ng	0.00
23) Nitrobenzene-d5	7.492	82	936433	110.447	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	376036	182.400	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1614545	97.055	ng	0.00
79) Terphenyl-d14	13.039	244	1423396	104.568	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	127149	20.546	ng	# 78
25) Isophorone	7.492	82	924342	53.404	ng	# 65
32) Benzoic acid	8.028	122	111	3.500	ng	# 41
48) 2-Nitroaniline	9.286	65	2685	3.324	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	35922	13.768	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	35923	11.148	ng	# 20
63) Azobenzene	10.680	77	75167	4.457	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	765	7.648	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	24607	5.188	ng	# 1
77) Benzidine	13.039	184	16589	2.497	ng	98
80) Butylbenzylphthalate	13.510	149	547	3.477	ng	# 28
84) Bis(2-ethylhexyl)phtha...	14.068	149	1947	4.291	ng	# 89
85) Di-n-octyl phthalate	14.680	149	485	6.060	ng	# 70

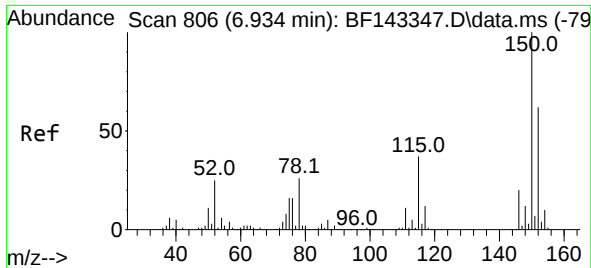
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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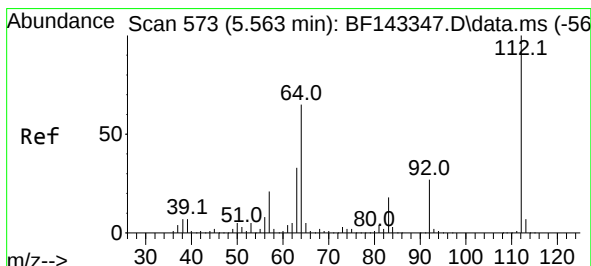
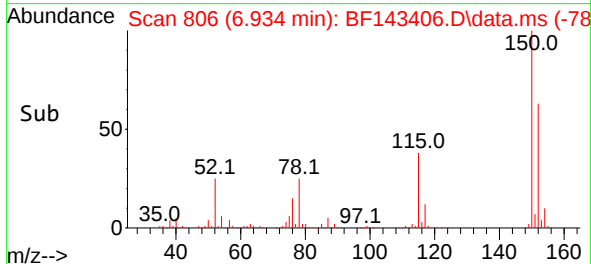
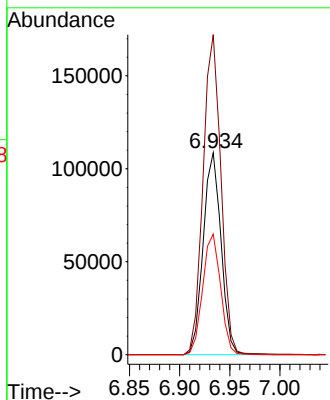
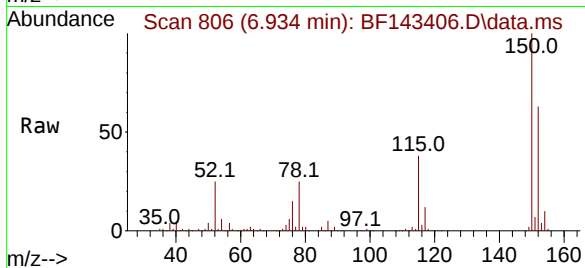




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143406.D
 Acq: 15 Aug 2025 07:20

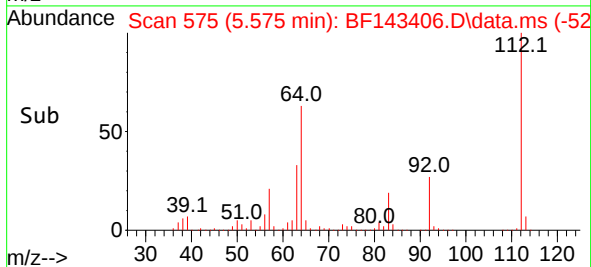
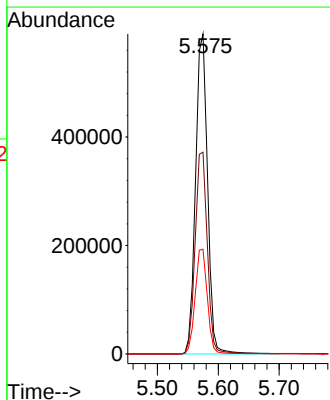
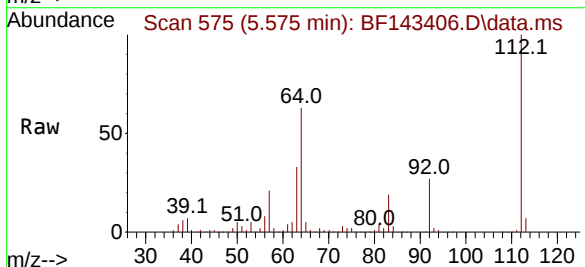
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-S

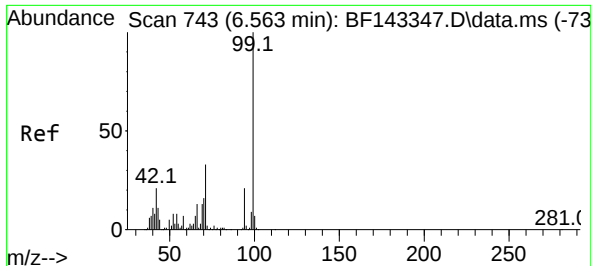
Tgt Ion:152 Resp: 135058
 Ion Ratio Lower Upper
 152 100
 150 158.5 129.8 194.8
 115 59.8 47.8 71.8



#5
 2-Fluorophenol
 Concen: 103.467 ng
 RT: 5.575 min Scan# 575
 Delta R.T. 0.012 min
 Lab File: BF143406.D
 Acq: 15 Aug 2025 07:20

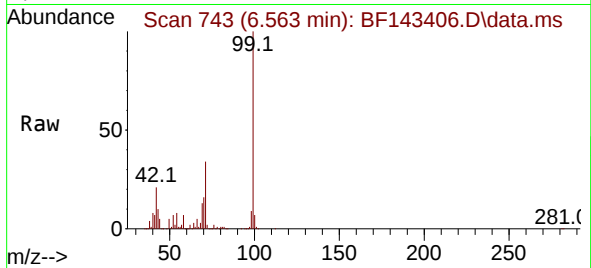
Tgt Ion:112 Resp: 808096
 Ion Ratio Lower Upper
 112 100
 64 63.0 52.1 78.1
 63 32.8 26.6 39.8





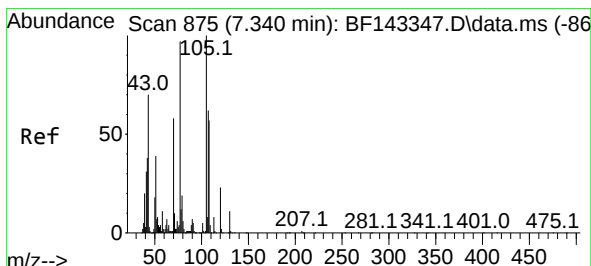
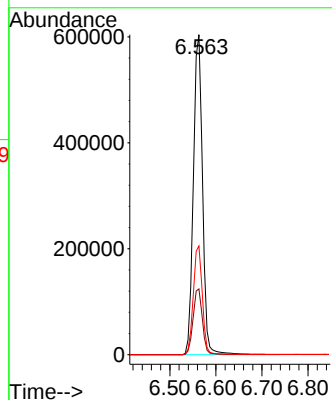
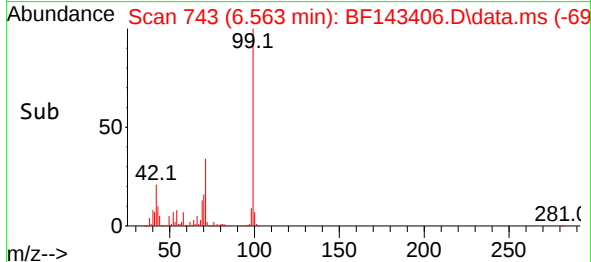
#7
Phenol-d6
Concen: 83.250 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

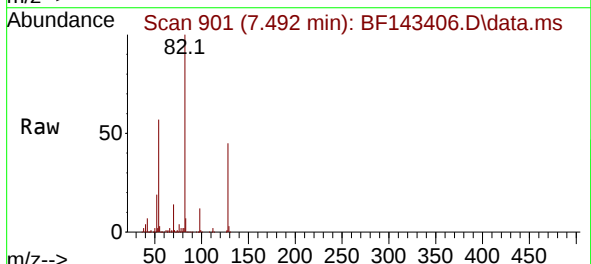


Tgt Ion: 99 Resp: 833797

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	25.0
71	34.0	26.2	39.2

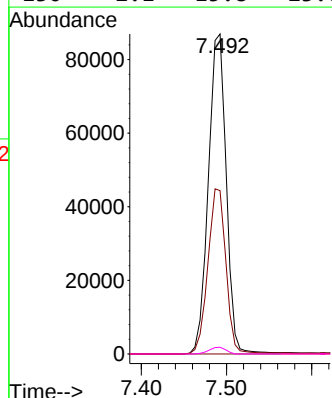
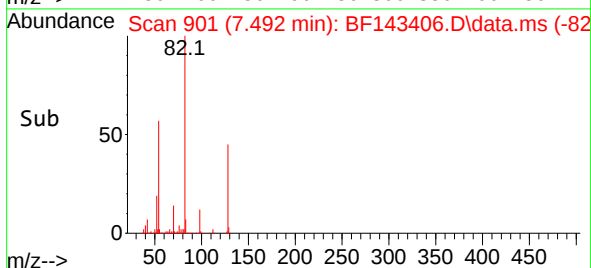


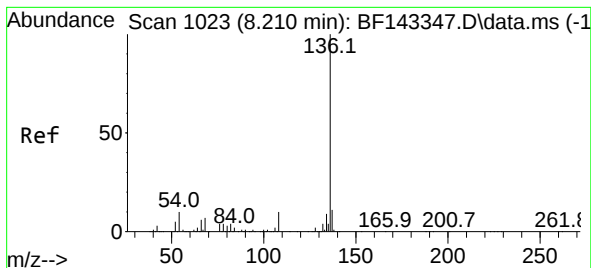
#19
n-Nitroso-di-n-propylamine
Concen: 20.546 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20



Tgt Ion: 70 Resp: 127149

Ion	Ratio	Lower	Upper
70	100		
42	51.1	51.6	77.4#
101	0.0	7.5	11.3#
130	2.1	15.8	23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

Tgt Ion:136 Resp: 527993

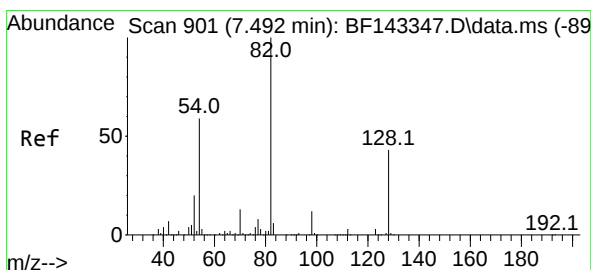
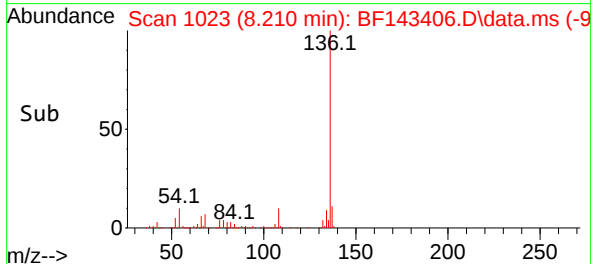
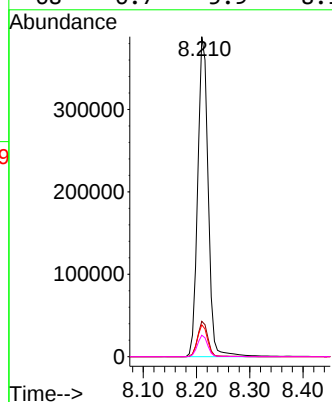
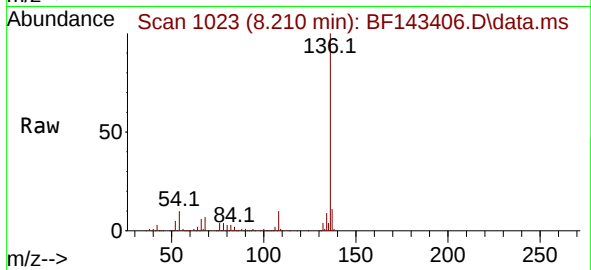
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 8.4 12.6

68 6.7 5.9 8.9



#23

Nitrobenzene-d5

Concen: 110.447 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

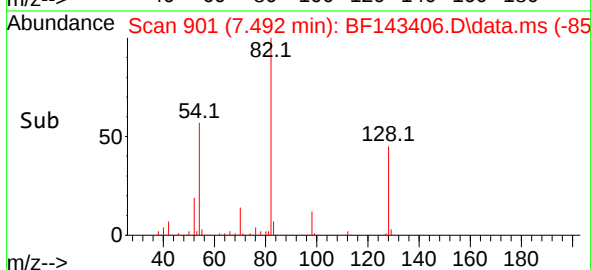
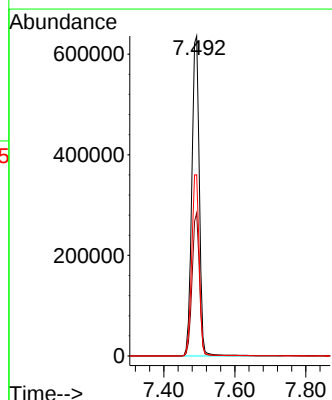
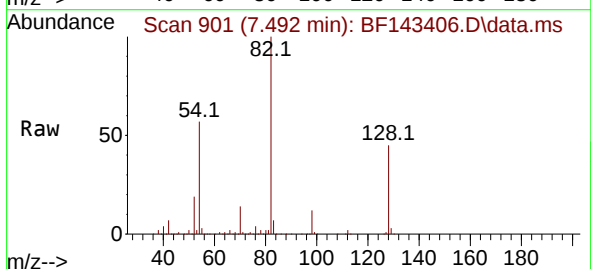
Tgt Ion: 82 Resp: 936433

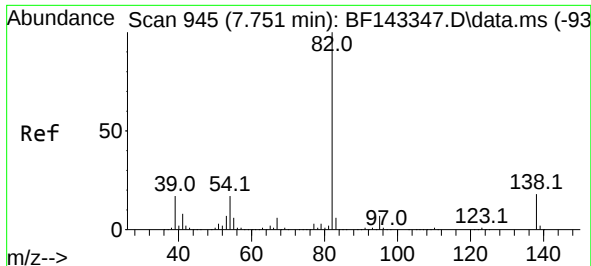
Ion Ratio Lower Upper

82 100

128 44.6 33.5 50.3

54 56.6 46.7 70.1

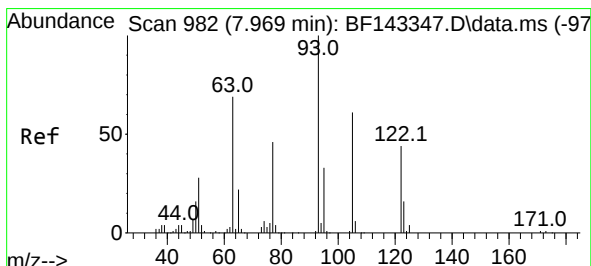
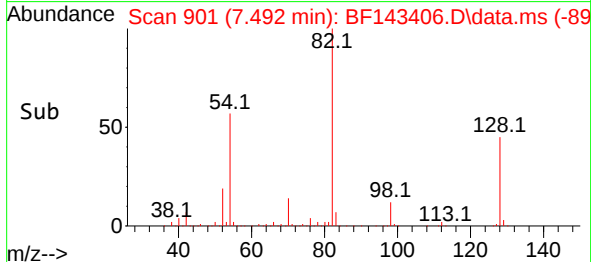
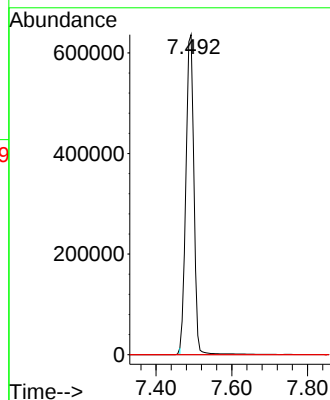
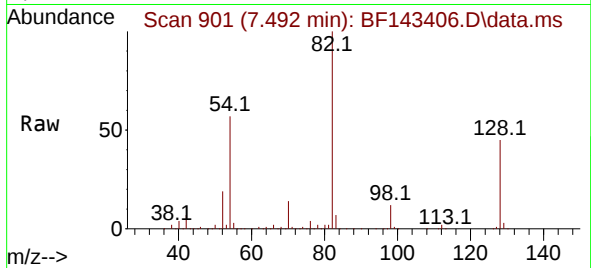




#25
Isophorone
Concen: 53.404 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

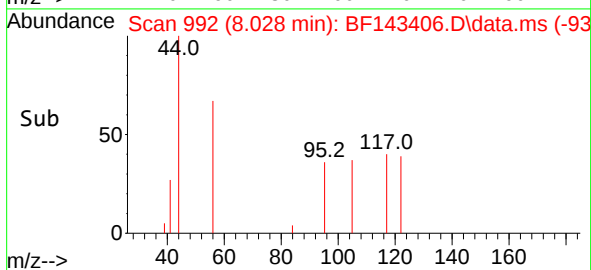
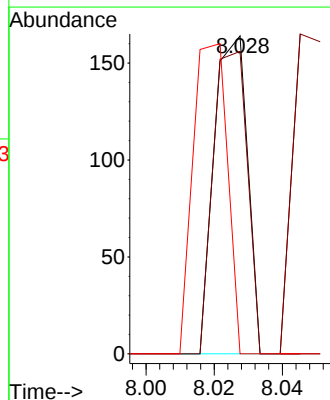
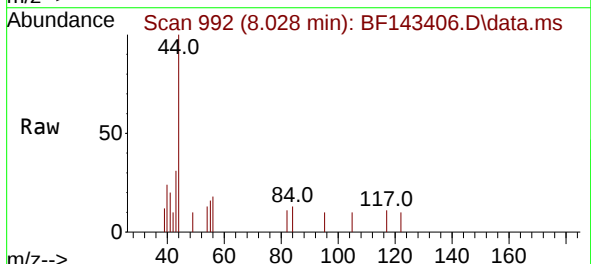
Instrument :
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TW-10P-S

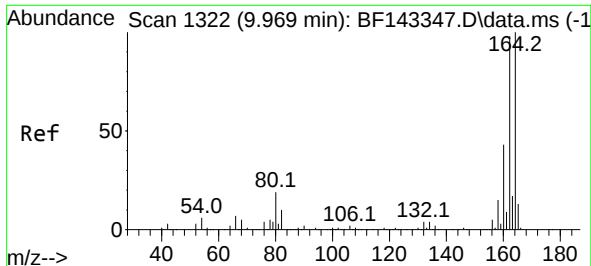
Tgt Ion: 82 Resp: 924342
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.500 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.059 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion:122 Resp: 111
Ion Ratio Lower Upper
122 100
105 95.1 106.4 146.4#
77 0.0 79.2 119.2#

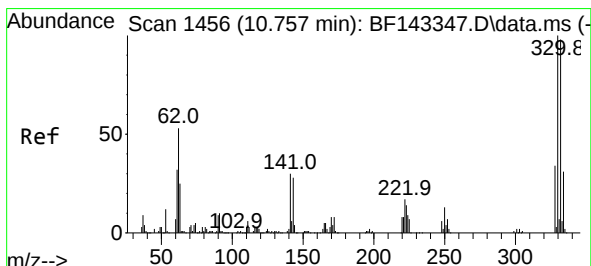
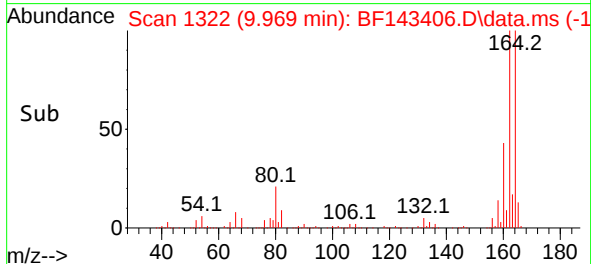
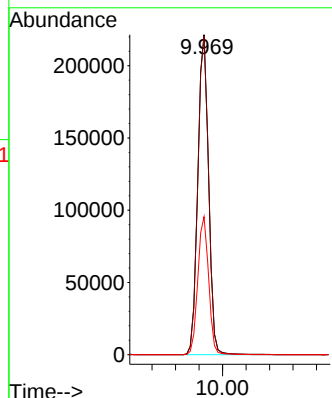
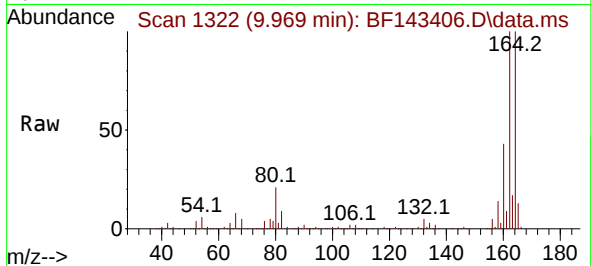




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

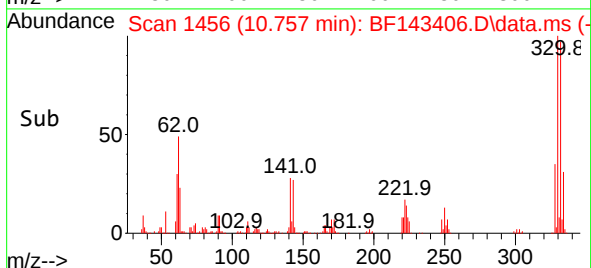
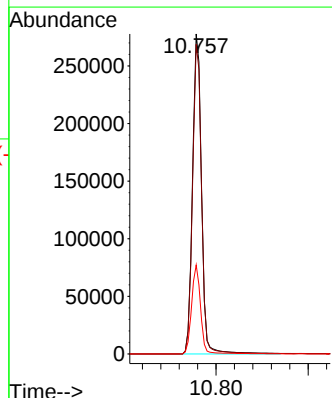
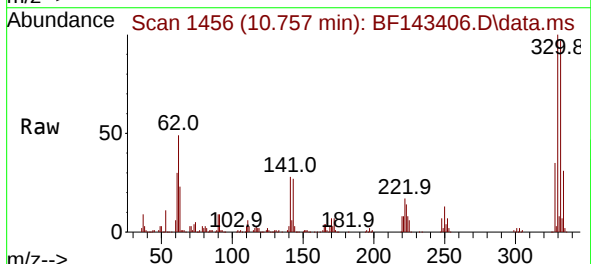
Instrument :
BNA_F
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TW-10P-S

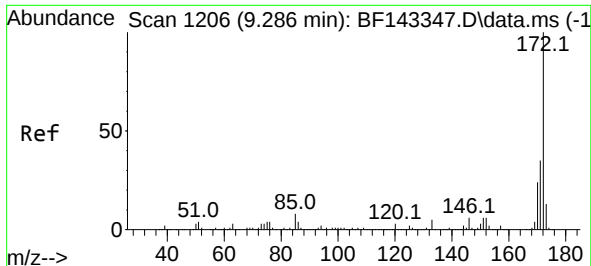
Tgt Ion:164 Resp: 282094
Ion Ratio Lower Upper
164 100
162 99.7 78.6 118.0
160 43.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 182.400 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion:330 Resp: 376036
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 28.0 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 97.055 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

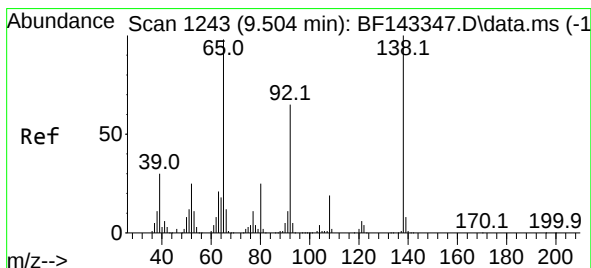
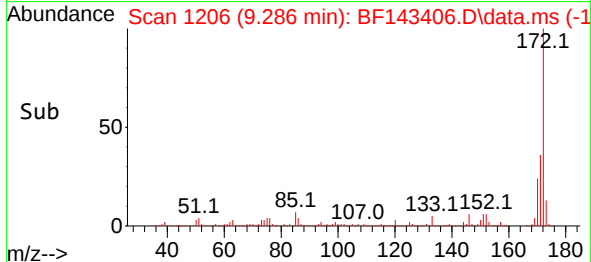
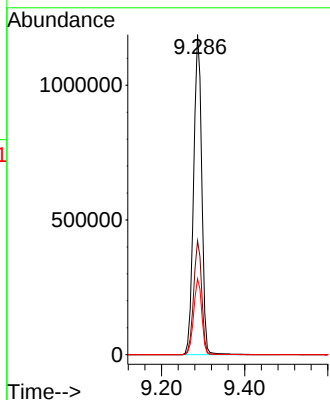
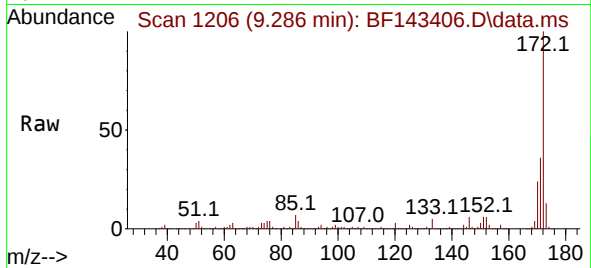
Tgt Ion:172 Resp: 1614545

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 19.1 28.7



#48

2-Nitroaniline

Concen: 3.324 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

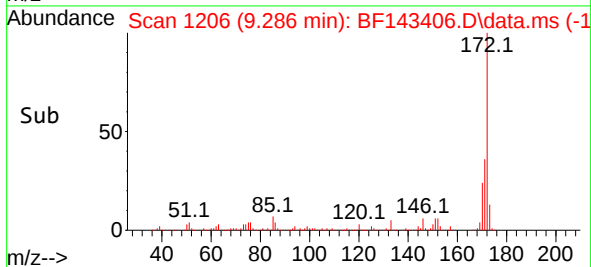
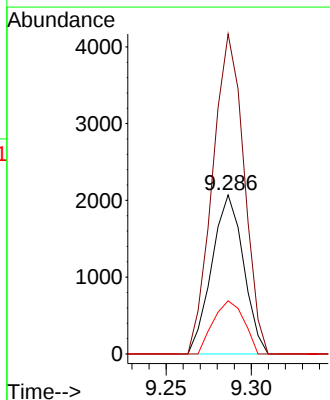
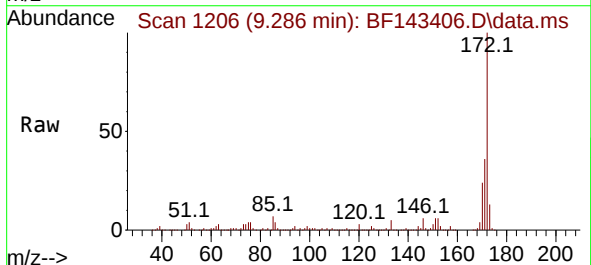
Tgt Ion: 65 Resp: 2685

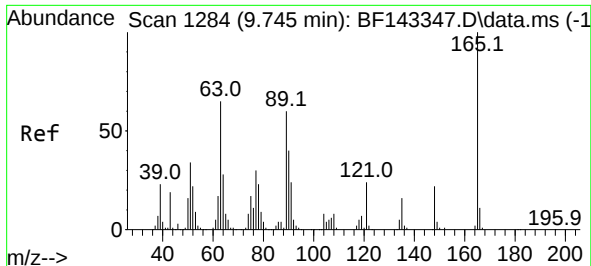
Ion Ratio Lower Upper

65 100

92 201.3 53.1 79.7#

138 33.4 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.768 ng

RT: 9.969 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

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TW-10P-S

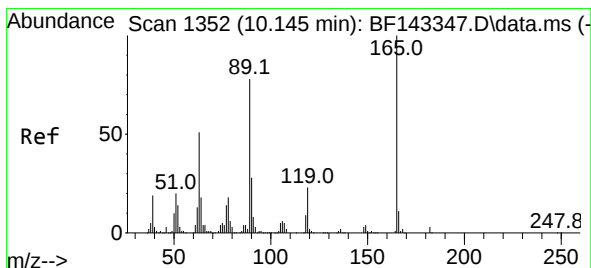
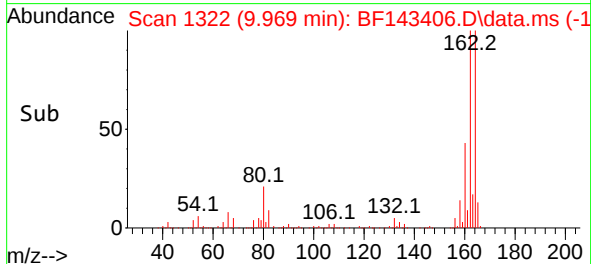
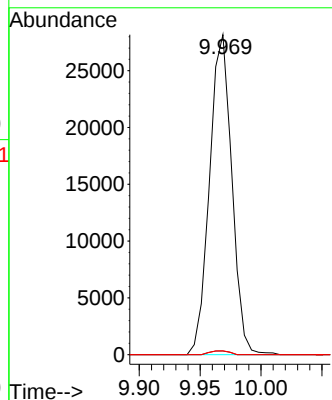
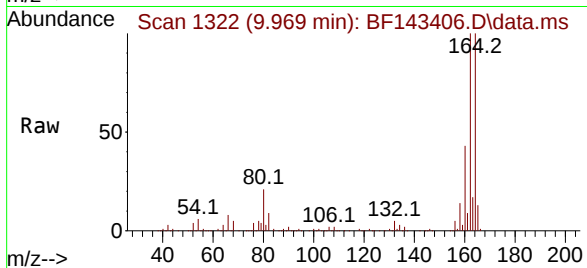
Tgt Ion:165 Resp: 35922

Ion Ratio Lower Upper

165 100

63 1.2 51.6 77.4#

89 1.2 47.7 71.5#



#57

2,4-Dinitrotoluene

Concen: 11.148 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Tgt Ion:165 Resp: 35923

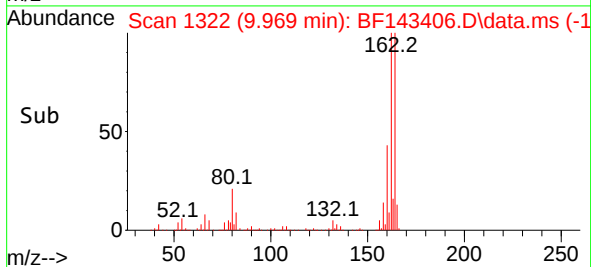
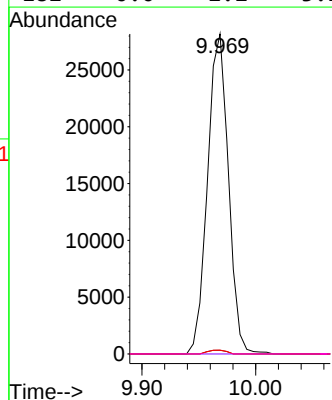
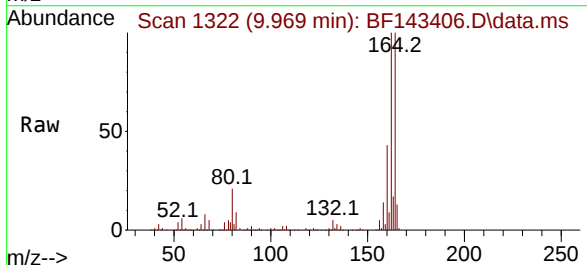
Ion Ratio Lower Upper

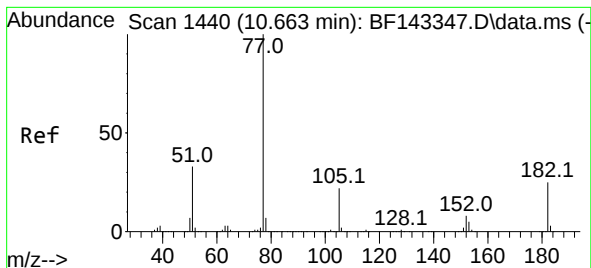
165 100

63 1.2 41.8 62.8#

89 1.2 62.4 93.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.457 ng

RT: 10.680 min Scan# 1443

Delta R.T. 0.018 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

Tgt Ion: 77 Resp: 75167

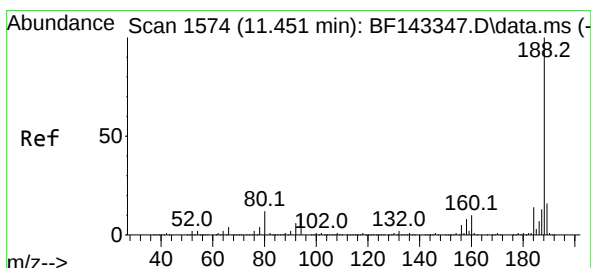
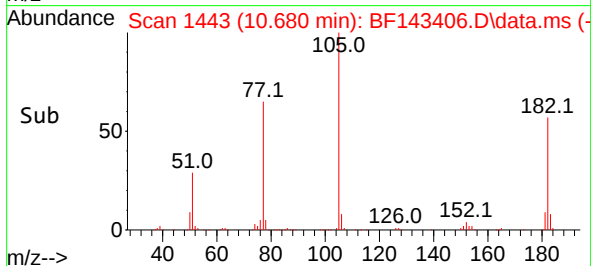
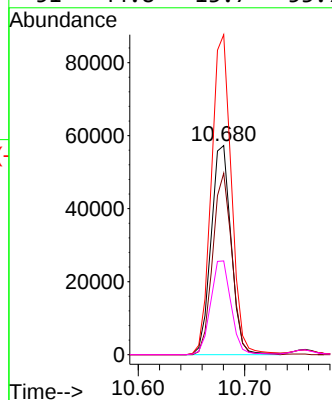
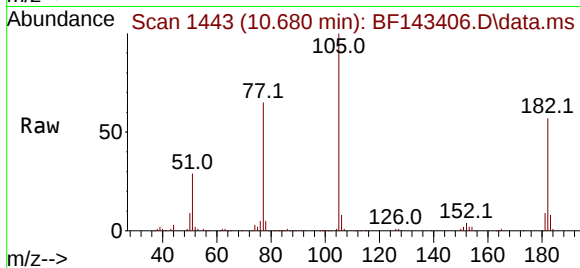
Ion Ratio Lower Upper

77 100

182 86.7 4.4 44.4#

105 153.0 1.8 41.8#

51 44.8 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: BF143406.D

Acq: 15 Aug 2025 07:20

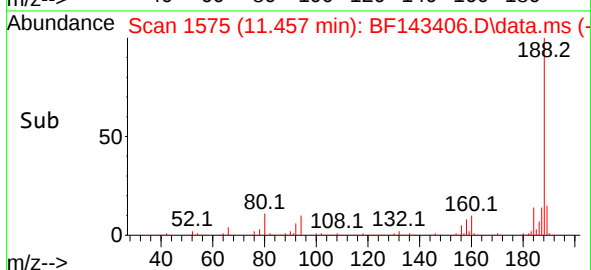
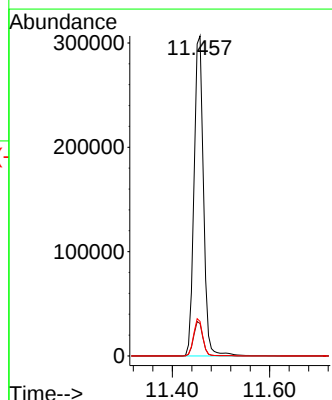
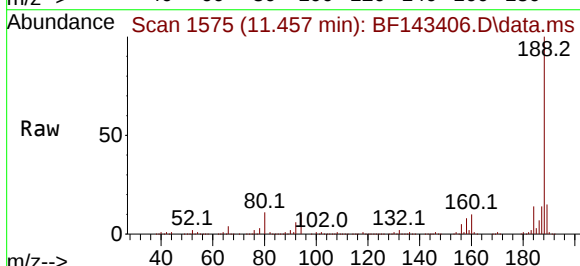
Tgt Ion:188 Resp: 414730

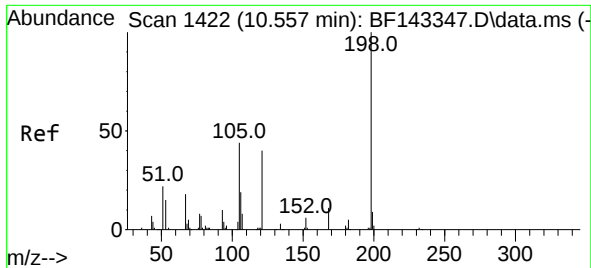
Ion Ratio Lower Upper

188 100

94 10.1 8.8 13.2

80 10.8 9.7 14.5

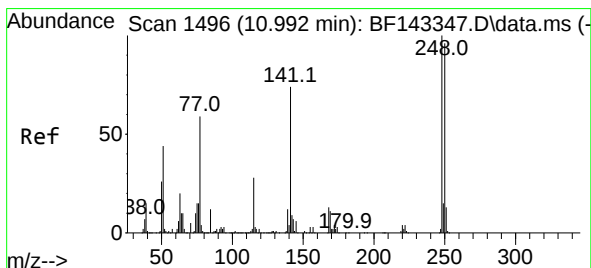
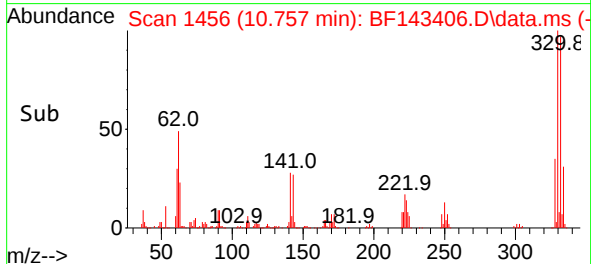
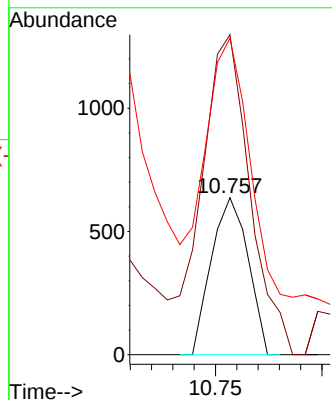
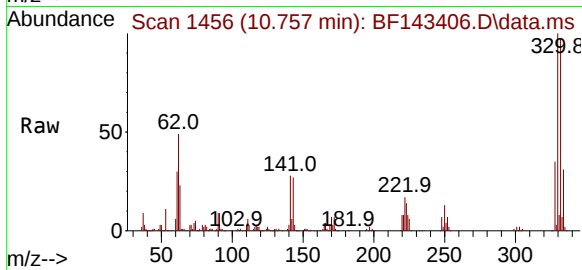




#65
4,6-Dinitro-2-methylphenol
Concen: 7.648 ng
RT: 10.757 min Scan# 1422
Delta R.T. 0.200 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

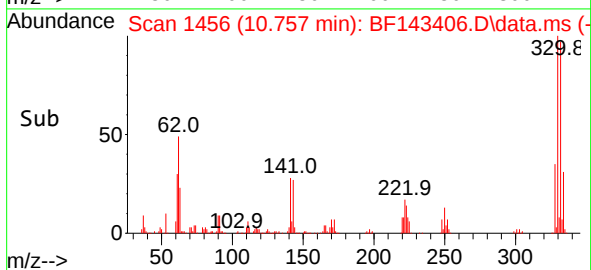
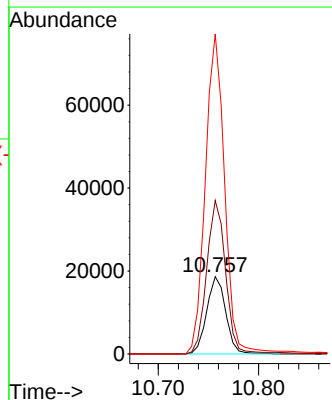
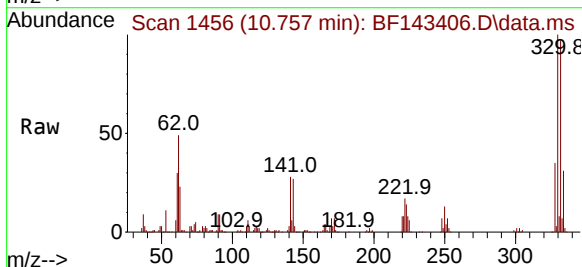
Instrument :
BNA_F
ClientSampleId :
TW-10P-S

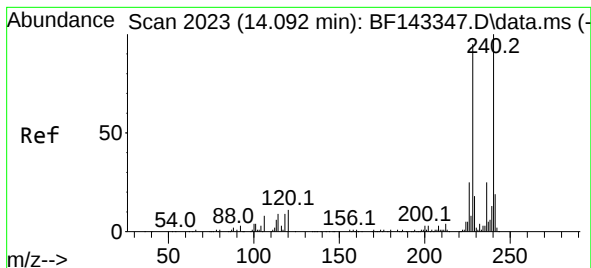
Tgt Ion:198 Resp: 765
Ion Ratio Lower Upper
198 100
51 203.9 41.7 81.7#
105 201.7 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 5.188 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion:248 Resp: 24607
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 413.9 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: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

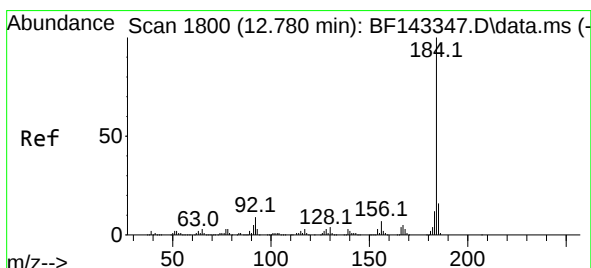
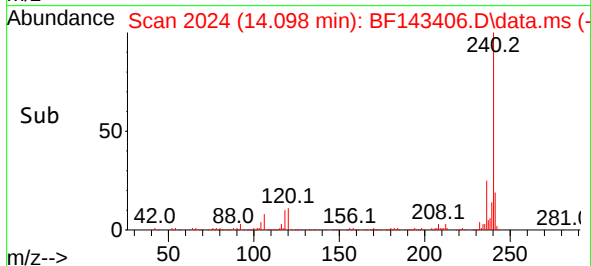
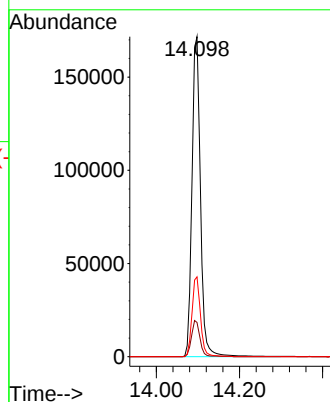
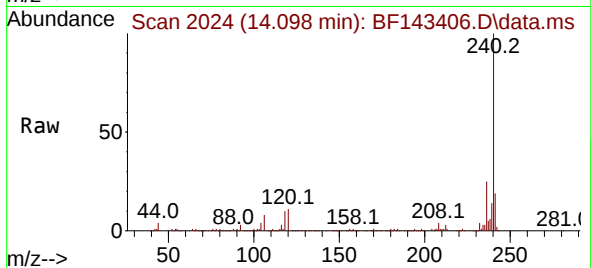
Tgt Ion:240 Resp: 243022

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.6

236 24.9 19.9 29.9



#77

Benzidine

Concen: 2.497 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

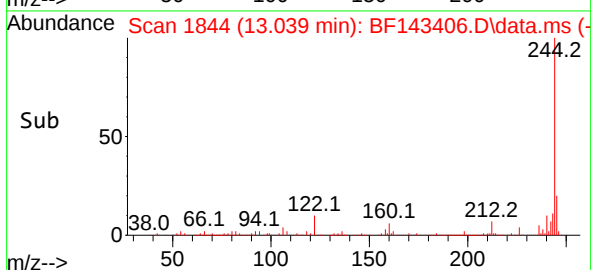
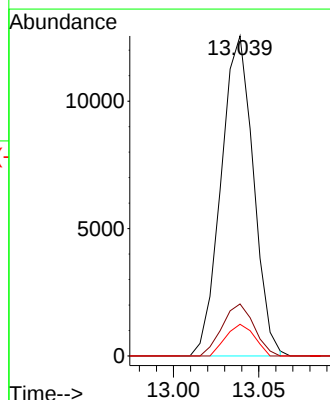
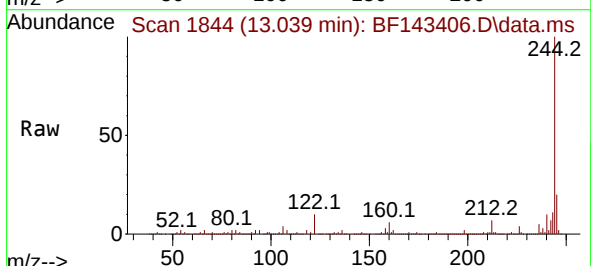
Tgt Ion:184 Resp: 16589

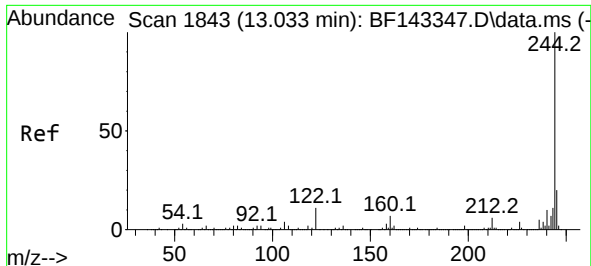
Ion Ratio Lower Upper

184 100

185 16.3 12.8 19.2

183 9.9 9.3 13.9

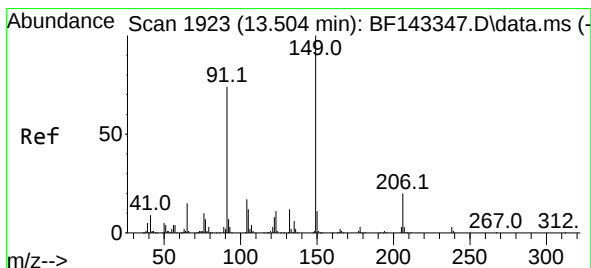
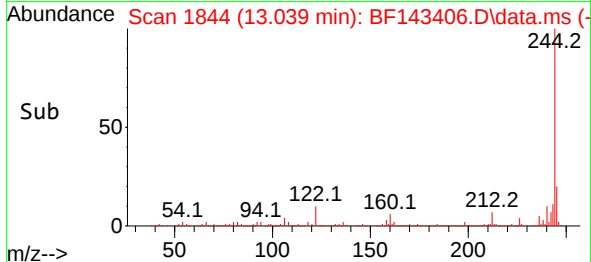
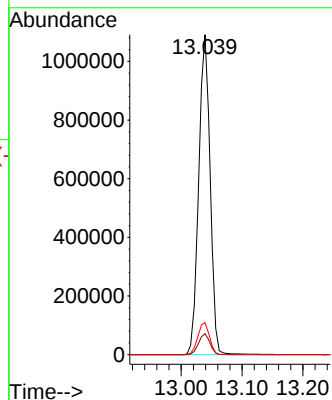
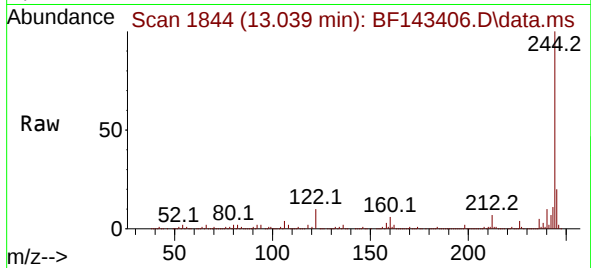




#79
 Terphenyl-d14
 Concen: 104.568 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143406.D
 Acq: 15 Aug 2025 07:20

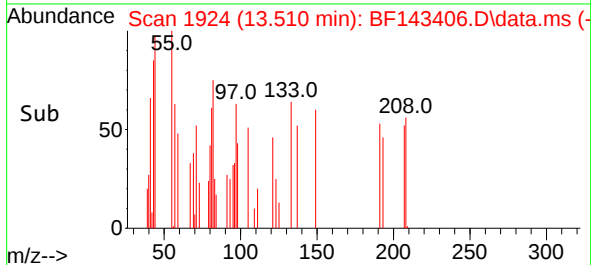
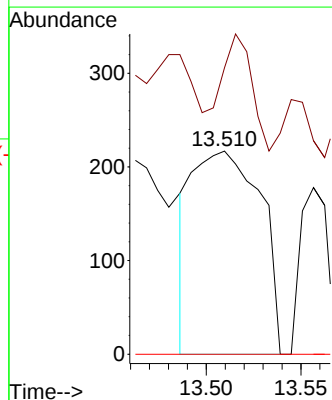
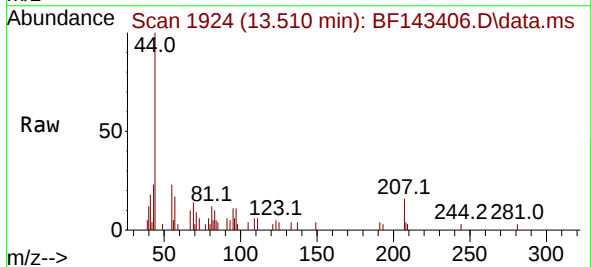
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-S

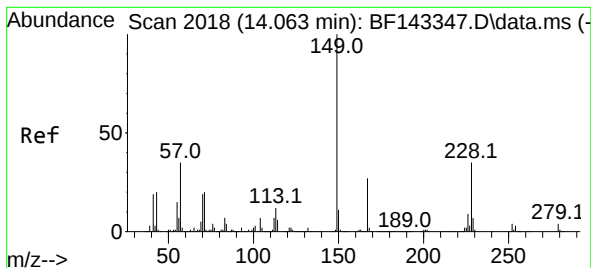
Tgt Ion:244 Resp: 1423396
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.0 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.477 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143406.D
 Acq: 15 Aug 2025 07:20

Tgt Ion:149 Resp: 547
 Ion Ratio Lower Upper
 149 100
 91 141.0 58.8 88.2#
 206 0.0 16.4 24.6#

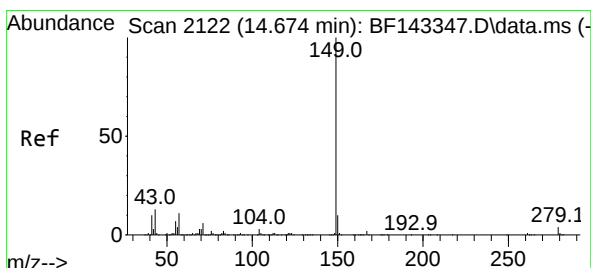
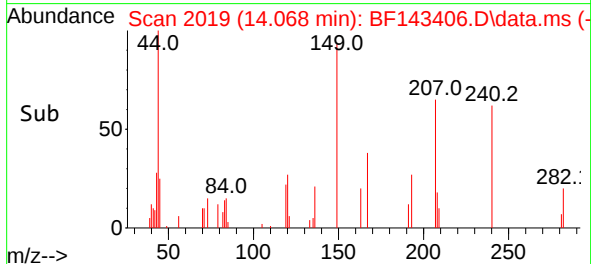
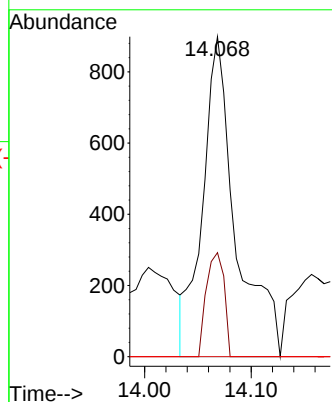
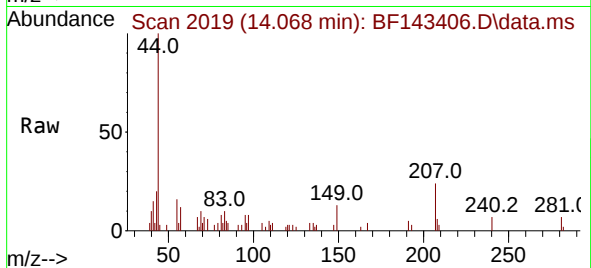




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.291 ng
RT: 14.068 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

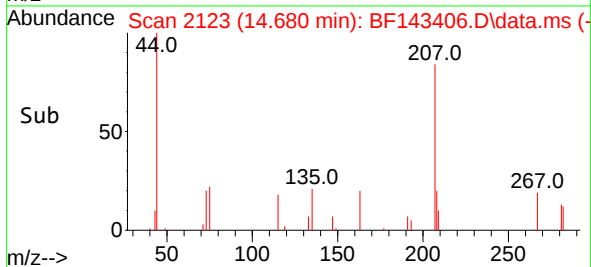
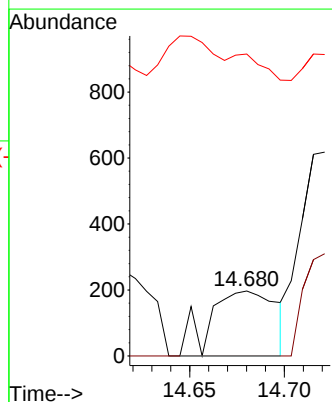
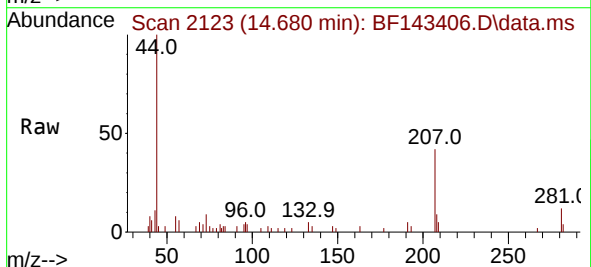
Instrument :
BNA_F
ClientSampleId :
TW-10P-S

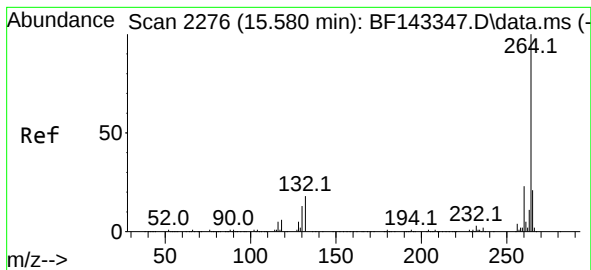
Tgt Ion:149 Resp: 1947
Ion Ratio Lower Upper
149 100
167 32.5 21.4 32.0#
279 0.0 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 6.060 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion:149 Resp: 485
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 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: BF143406.D

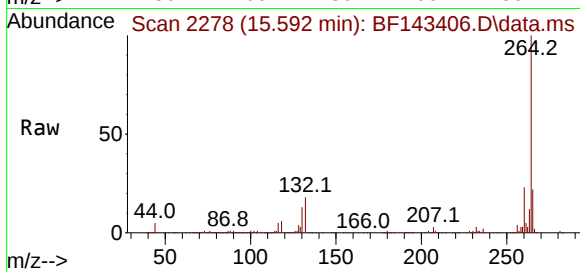
Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S



Tgt Ion:264 Resp: 302866

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.5 17.2 25.8

