

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143408.D
 Acq On : 15 Aug 2025 08:18
 Operator : RC/JU
 Sample : Q2815-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-N

Quant Time: Aug 15 11:04:02 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)

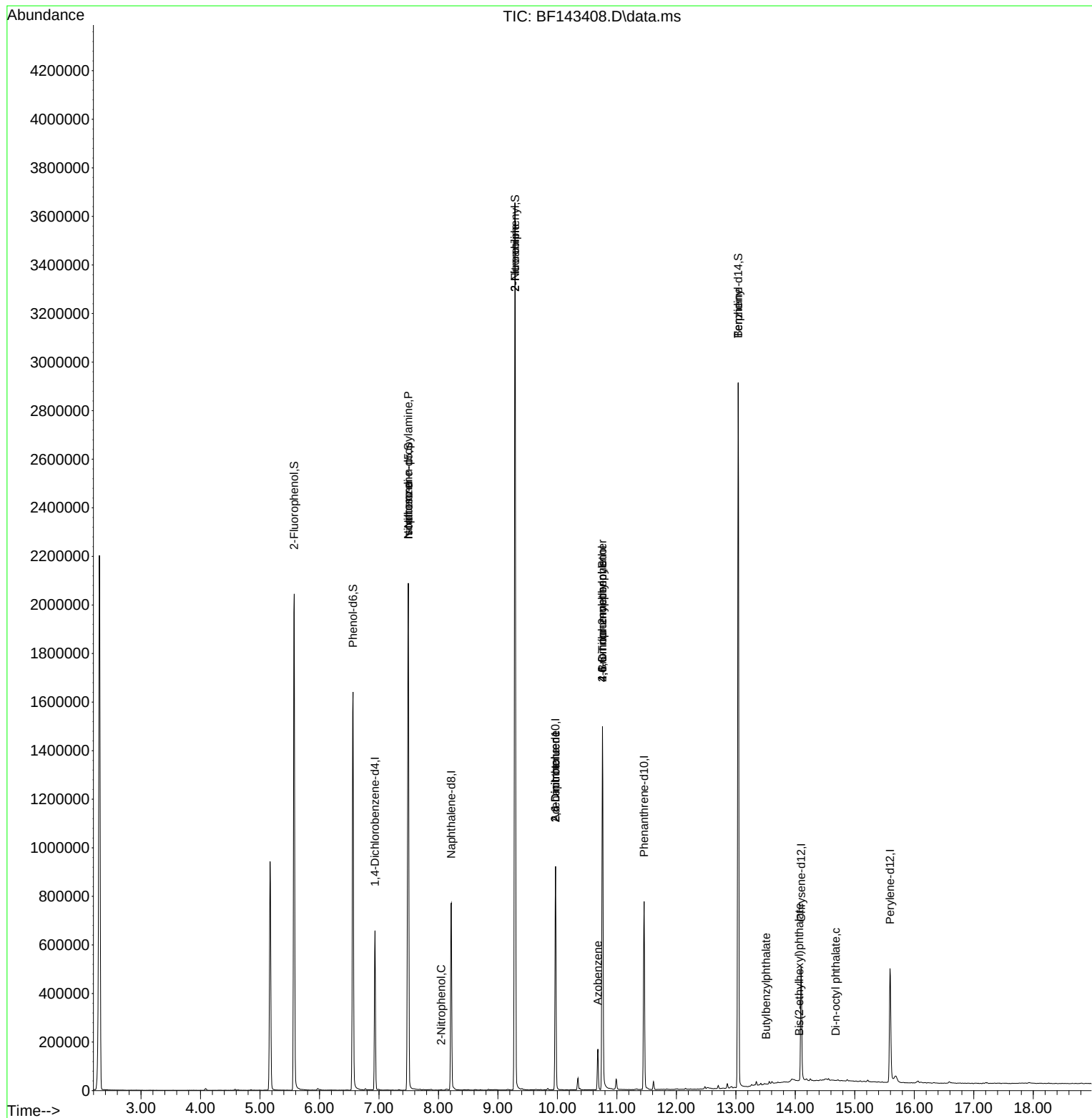
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	137416	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	517426	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279031	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	403823	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244621	20.000	ng	0.00
86) Perylene-d12	15.592	264	304602	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	770773	96.995	ng	0.01
7) Phenol-d6	6.563	99	768070	75.372	ng	0.00
23) Nitrobenzene-d5	7.492	82	993177	119.531	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	267970	131.408	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1695733	103.055	ng	0.00
79) Terphenyl-d14	13.039	244	1427221	104.164	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	132992	21.121	ng	# 79
25) Isophorone	7.492	82	963694	56.814	ng	# 65
26) 2-Nitrophenol	8.045	139	63	3.659	ng	# 32
48) 2-Nitroaniline	9.286	65	2683	3.330	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	35472	13.750	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	35472	11.134	ng	# 20
63) Azobenzene	10.680	77	42679	2.559	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	601	7.573	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	17313	3.749	ng	# 1
77) Benzidine	13.039	184	17202	2.572	ng	# 96
80) Butylbenzylphthalate	13.510	149	284	3.416	ng	# 52
84) Bis(2-ethylhexyl)phtha...	14.068	149	1374	4.201	ng	# 98
85) Di-n-octyl phthalate	14.680	149	335	6.049	ng	# 1

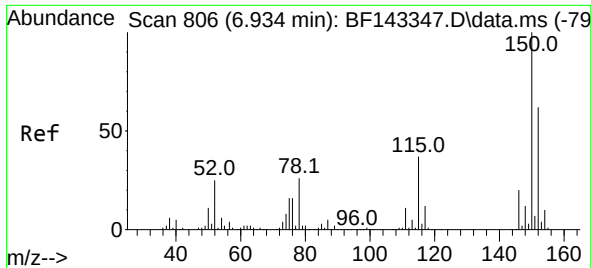
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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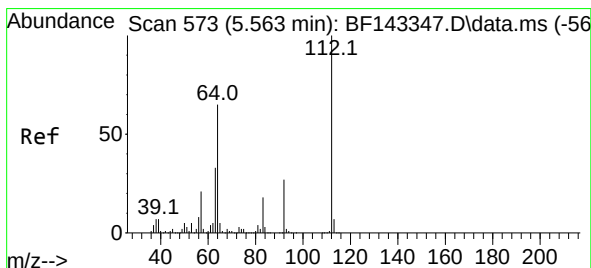
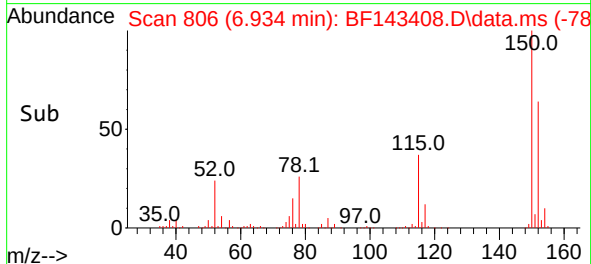
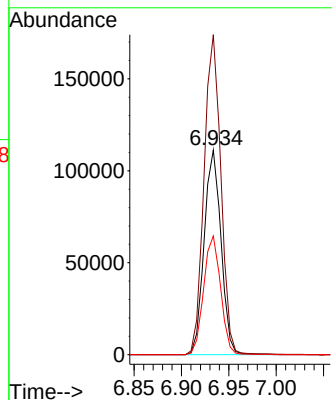
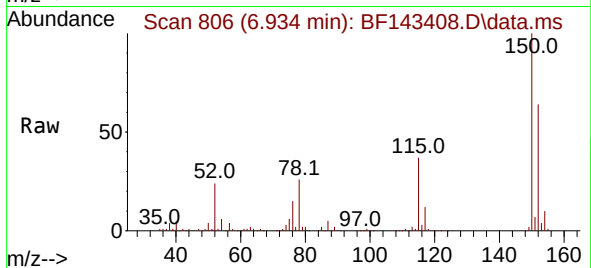




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

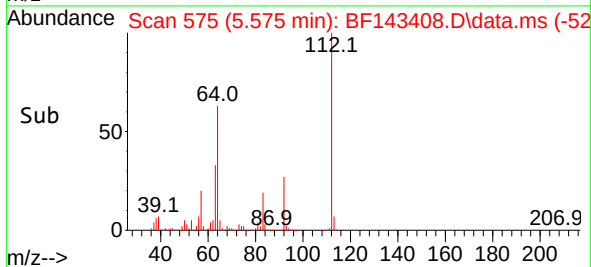
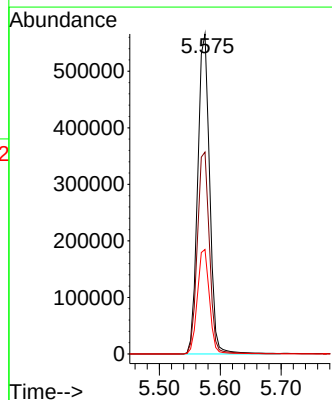
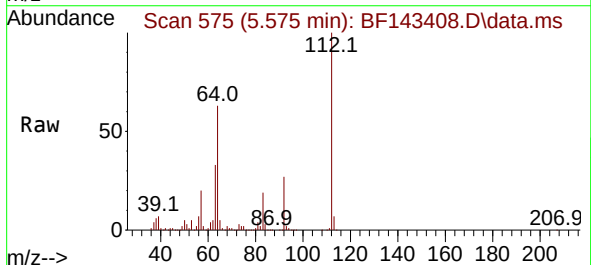
Instrument :
BNA_F
ClientSampleId :
TW-10P-N

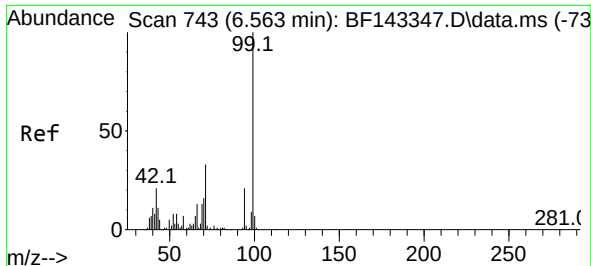
Tgt Ion:152 Resp: 137416
Ion Ratio Lower Upper
152 100
150 156.4 129.8 194.8
115 58.0 47.8 71.8



#5
2-Fluorophenol
Concen: 96.995 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion:112 Resp: 770773
Ion Ratio Lower Upper
112 100
64 63.1 52.1 78.1
63 32.7 26.6 39.8



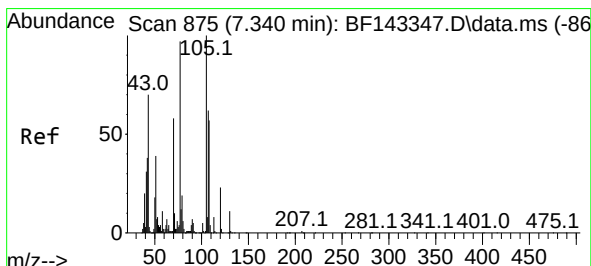
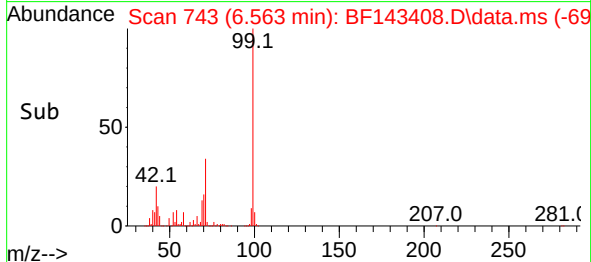
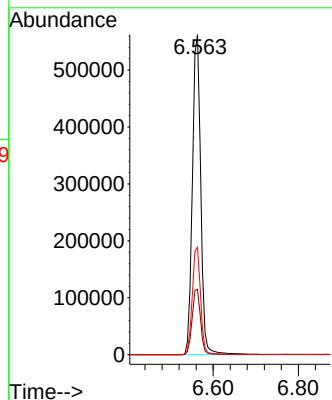
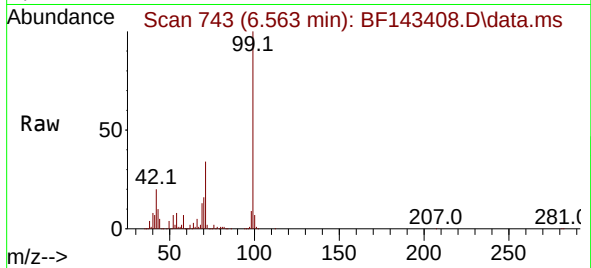


#7
Phenol-d6
Concen: 75.372 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

Tgt Ion: 99 Resp: 768070

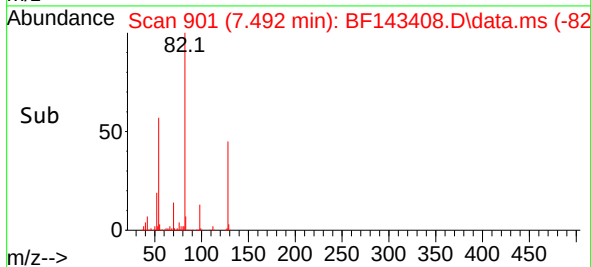
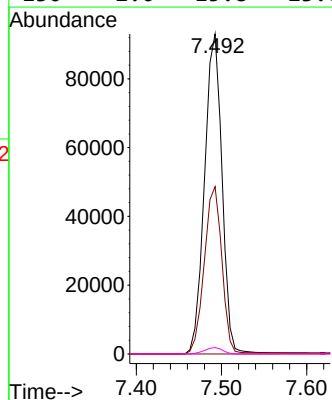
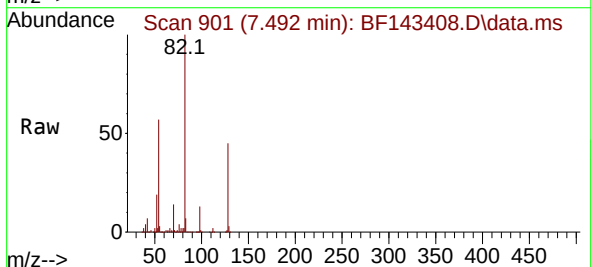
Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.6	25.0
71	33.5	26.2	39.2

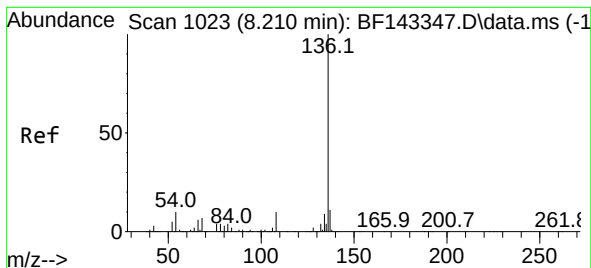


#19
n-Nitroso-di-n-propylamine
Concen: 21.121 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion: 70 Resp: 132992

Ion	Ratio	Lower	Upper
70	100		
42	52.3	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: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

Tgt Ion:136 Resp: 517426

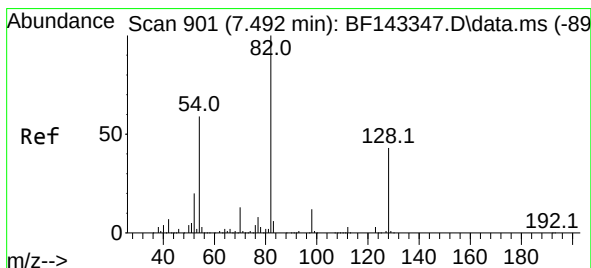
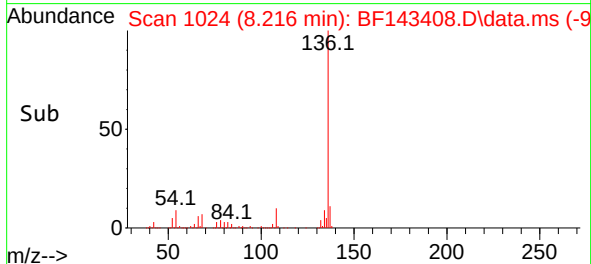
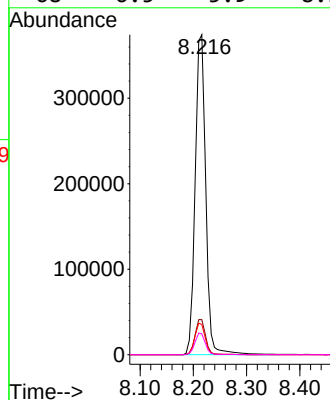
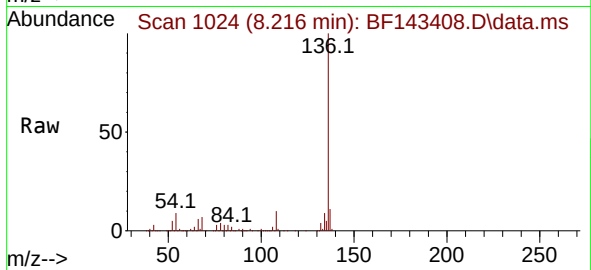
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 8.4 12.6

68 6.5 5.9 8.9



#23

Nitrobenzene-d5

Concen: 119.531 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

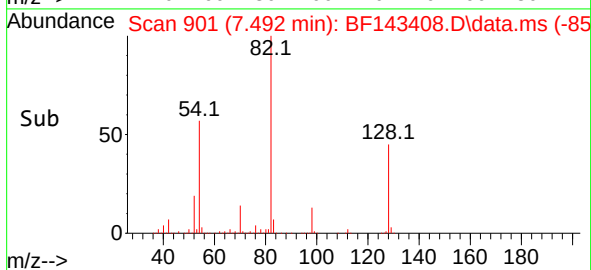
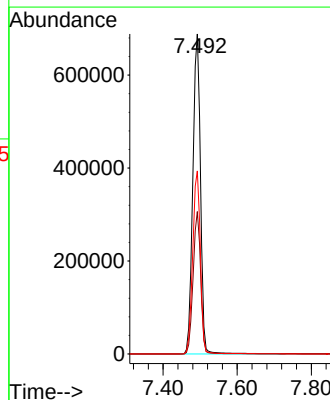
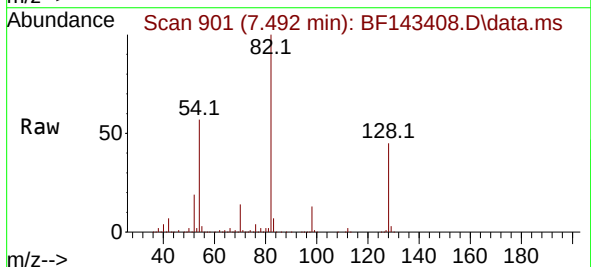
Tgt Ion: 82 Resp: 993177

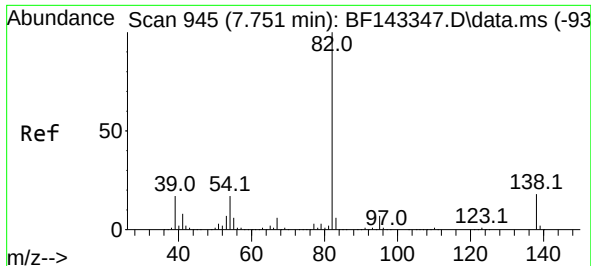
Ion Ratio Lower Upper

82 100

128 44.5 33.5 50.3

54 57.2 46.7 70.1

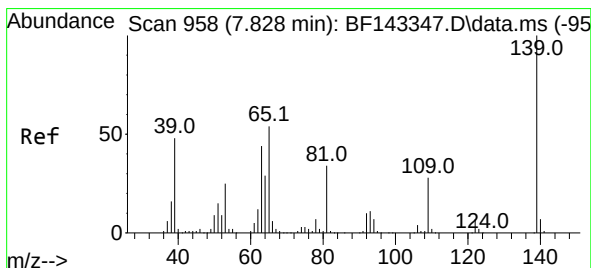
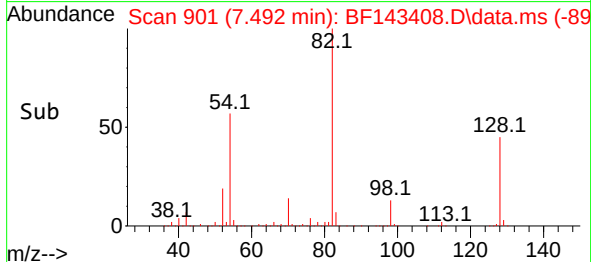
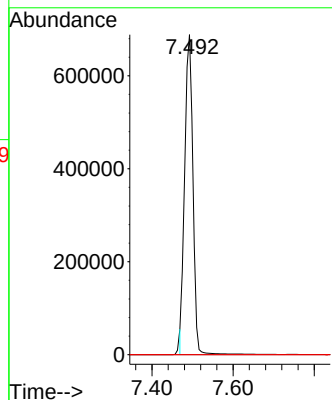
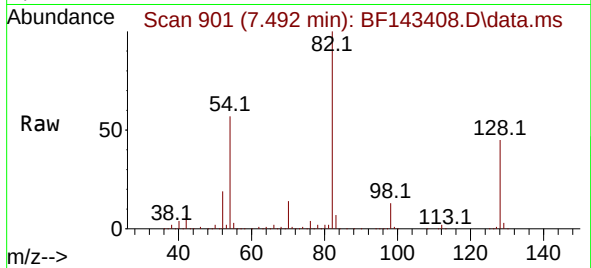




#25
Isophorone
Concen: 56.814 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

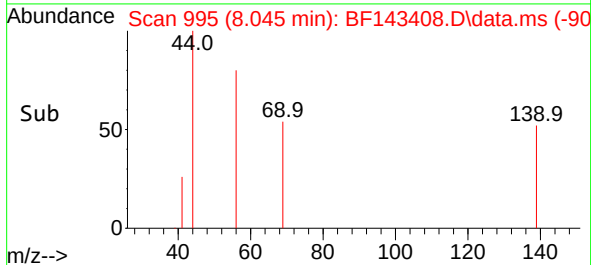
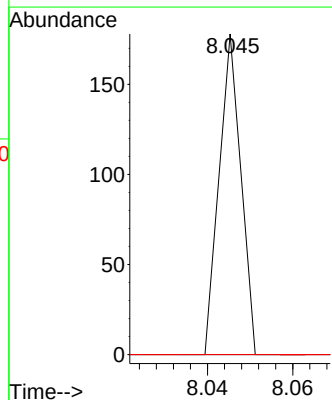
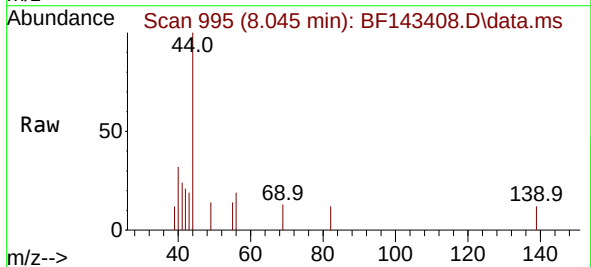
Instrument :
BNA_F
ClientSampleId :
TW-10P-N

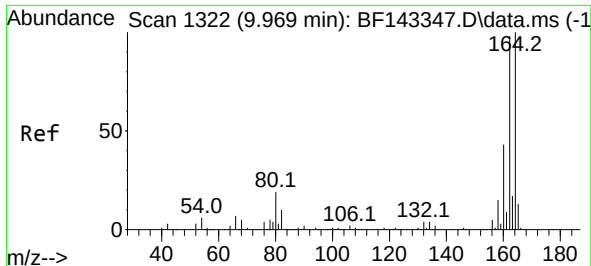
Tgt Ion: 82 Resp: 963694
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.659 ng
RT: 8.045 min Scan# 995
Delta R.T. 0.217 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion:139 Resp: 63
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: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

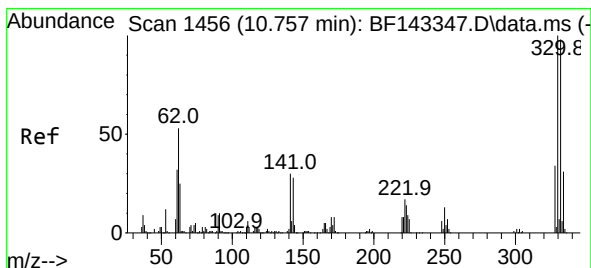
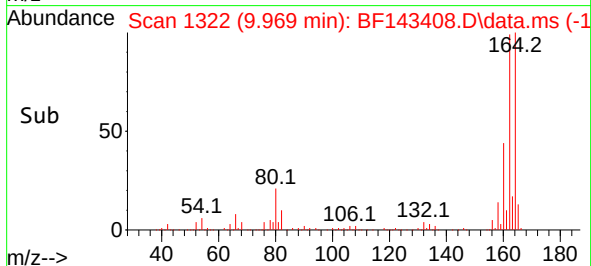
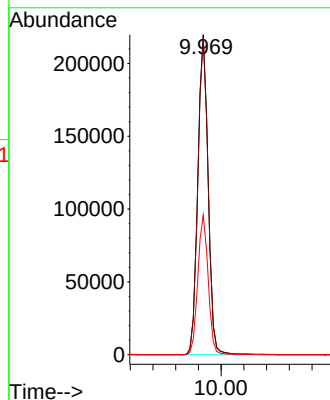
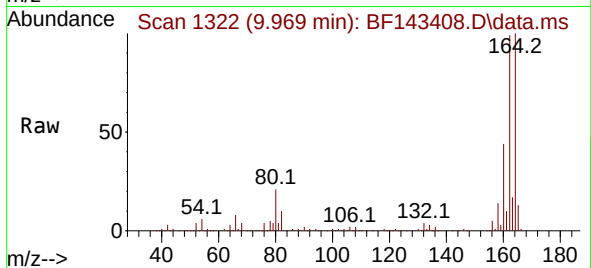
Tgt Ion:164 Resp: 279031

Ion Ratio Lower Upper

164 100

162 98.8 78.6 118.0

160 43.7 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 131.408 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

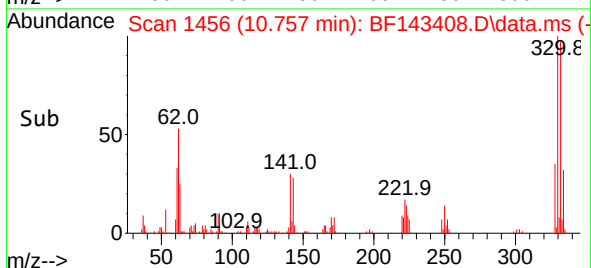
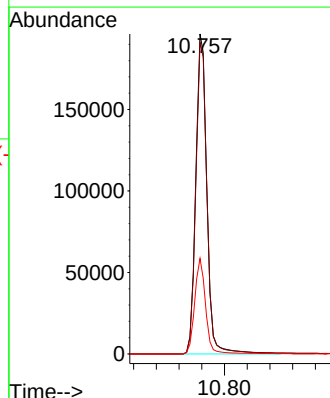
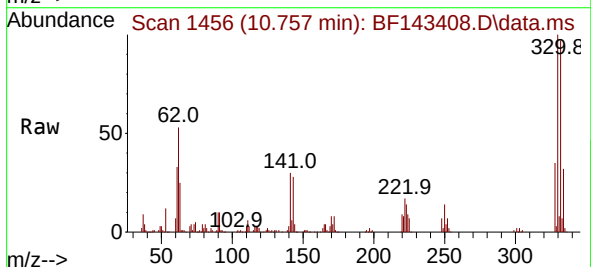
Tgt Ion:330 Resp: 267970

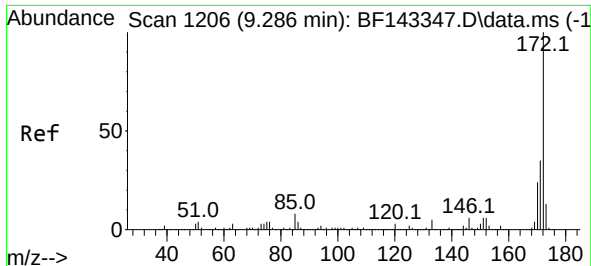
Ion Ratio Lower Upper

330 100

332 98.3 78.1 117.1

141 29.7 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 103.055 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

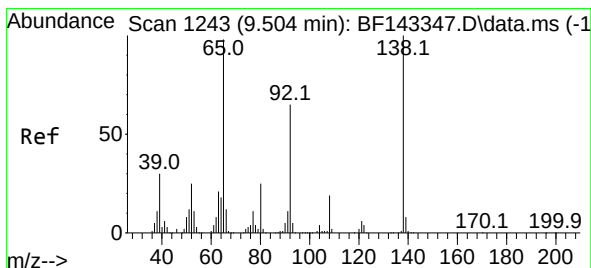
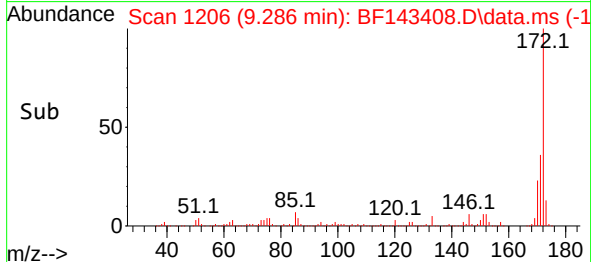
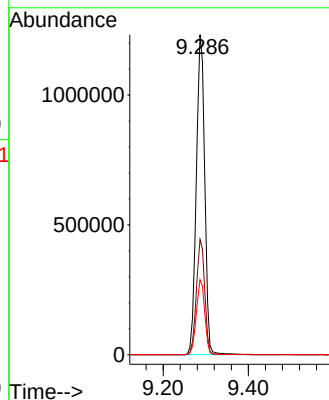
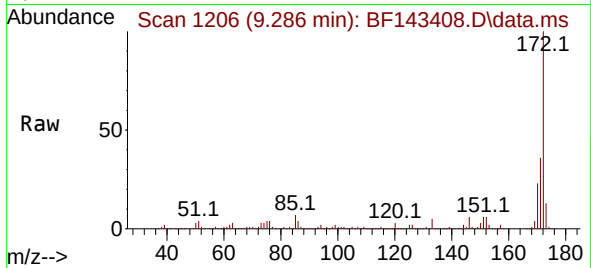
Tgt Ion:172 Resp: 1695733

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.4 19.1 28.7



#48

2-Nitroaniline

Concen: 3.330 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

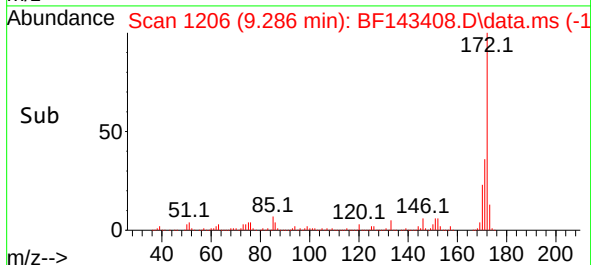
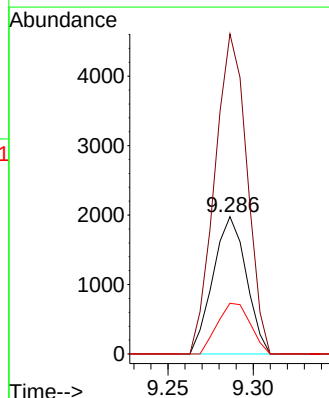
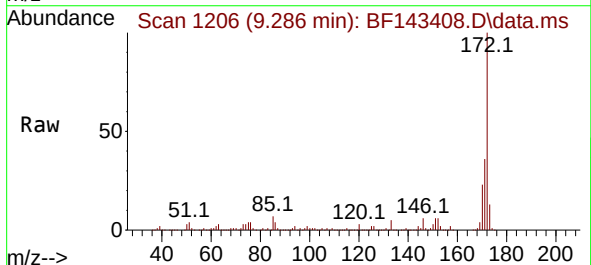
Tgt Ion: 65 Resp: 2683

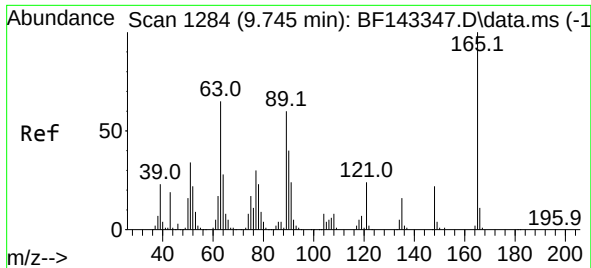
Ion Ratio Lower Upper

65 100

92 233.0 53.1 79.7#

138 36.9 81.4 122.0#

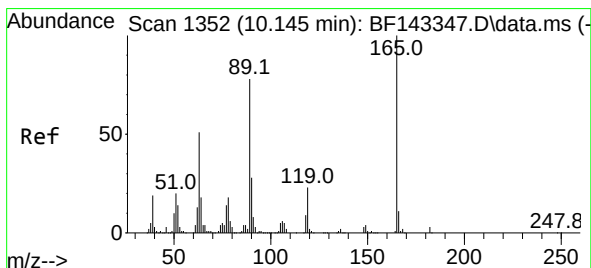
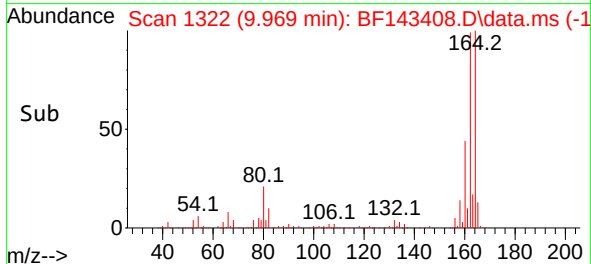
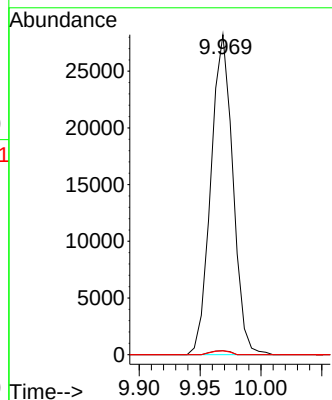
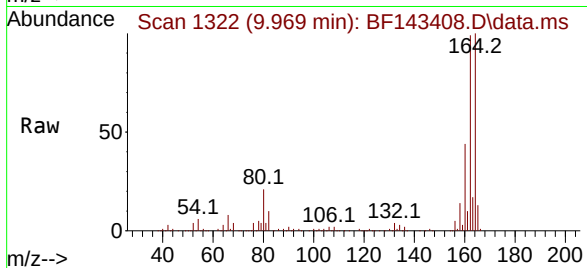




#51
2,6-Dinitrotoluene
Concen: 13.750 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

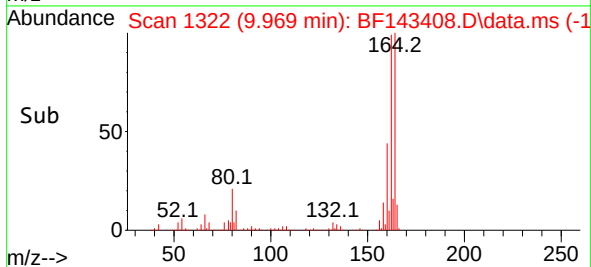
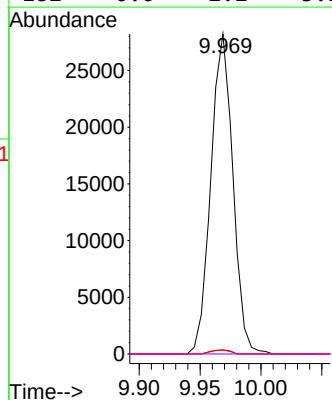
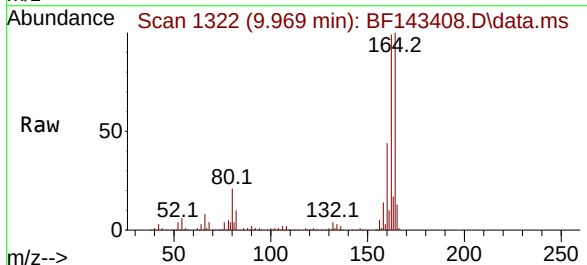
Instrument :
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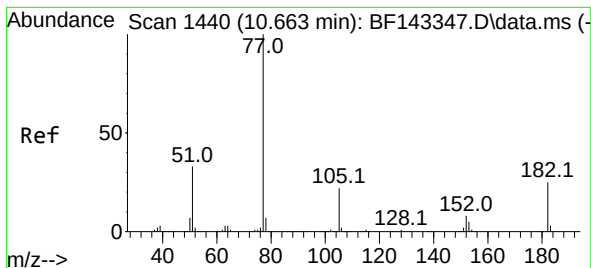
Tgt Ion:165 Resp: 35472
Ion Ratio Lower Upper
165 100
63 1.3 51.6 77.4#
89 1.2 47.7 71.5#



#57
2,4-Dinitrotoluene
Concen: 11.134 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion:165 Resp: 35472
Ion Ratio Lower Upper
165 100
63 1.3 41.8 62.8#
89 1.2 62.4 93.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.559 ng

RT: 10.680 min Scan# 1443

Delta R.T. 0.018 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

Tgt Ion: 77 Resp: 42679

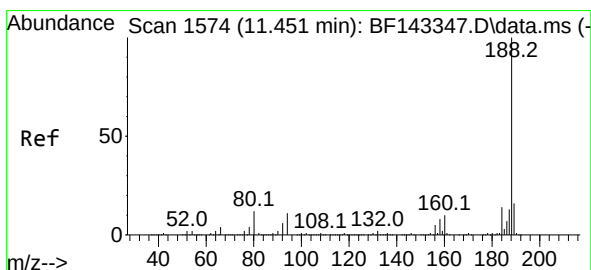
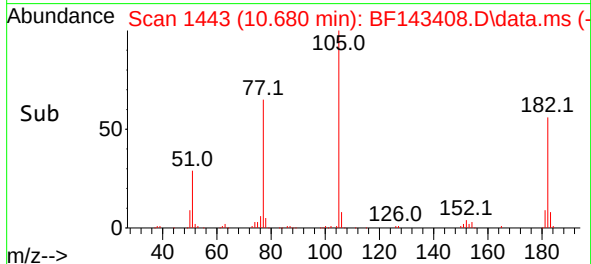
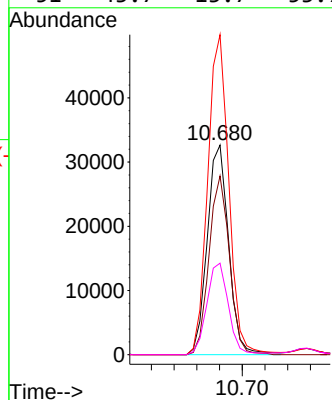
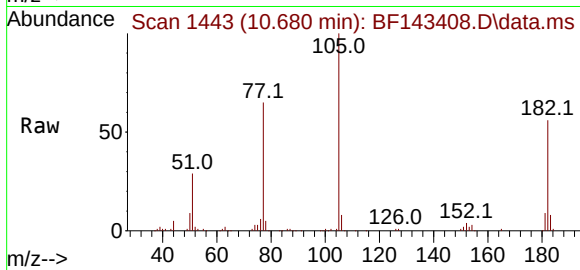
Ion Ratio Lower Upper

77 100

182 85.2 4.4 44.4#

105 152.7 1.8 41.8#

51 43.7 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: BF143408.D

Acq: 15 Aug 2025 08:18

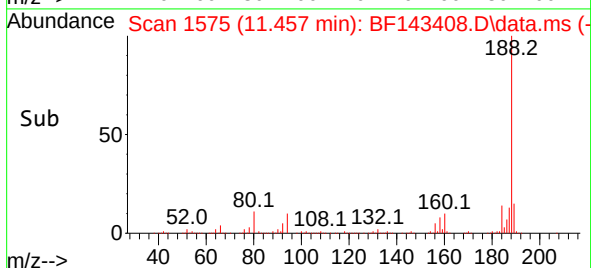
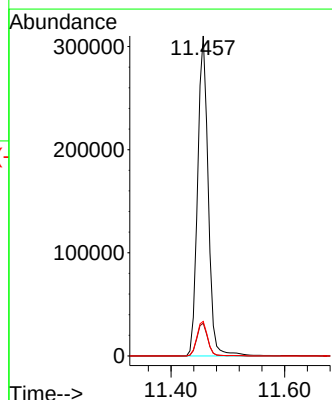
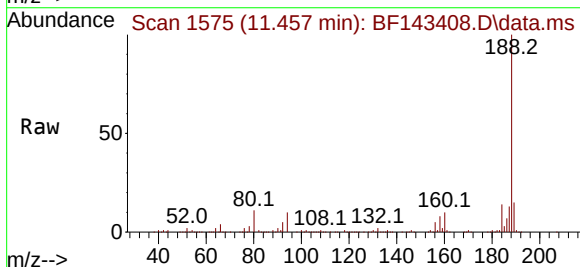
Tgt Ion: 188 Resp: 403823

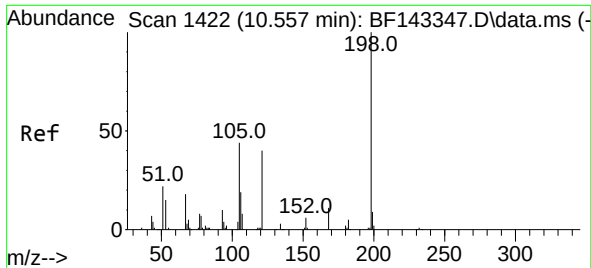
Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 10.8 9.7 14.5

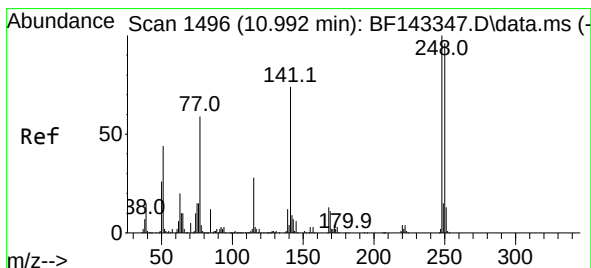
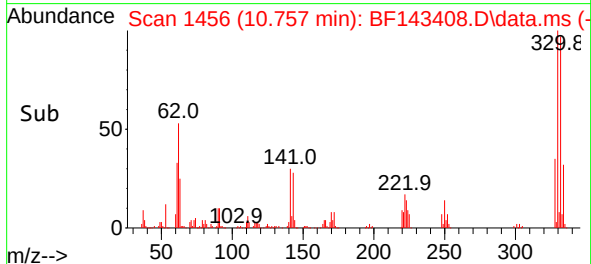
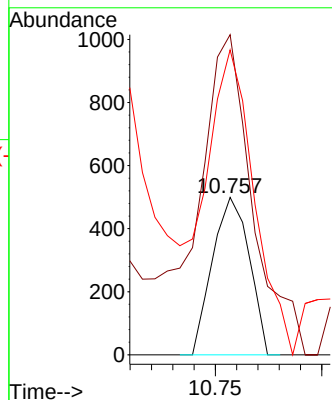
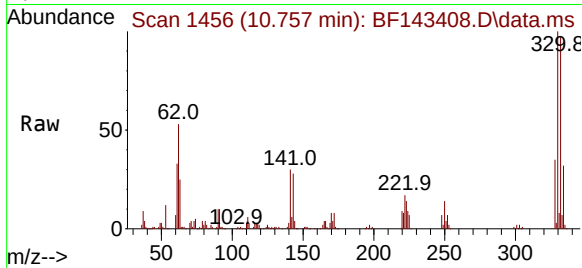




#65
4,6-Dinitro-2-methylphenol
Concen: 7.573 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

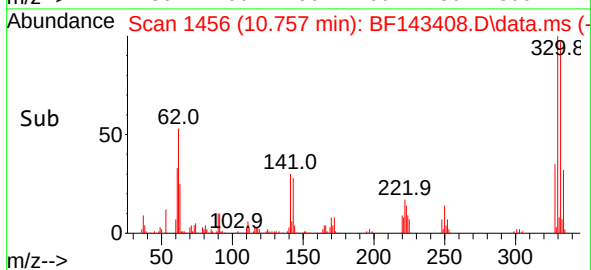
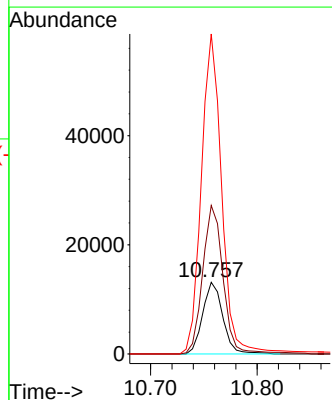
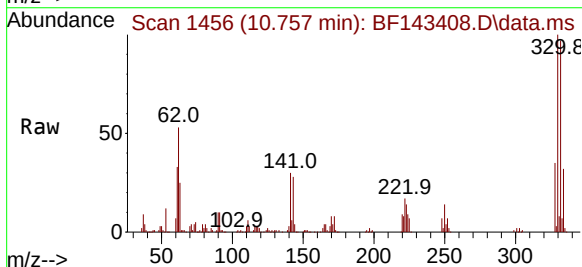
Instrument :
BNA_F
ClientSampleId :
TW-10P-N

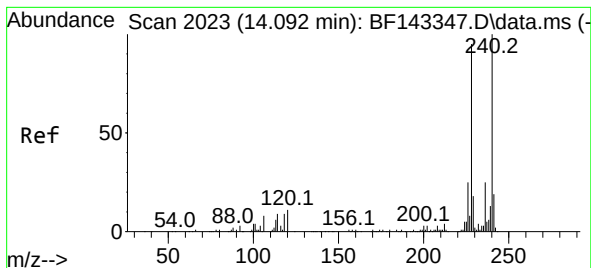
Tgt Ion:198 Resp: 601
Ion Ratio Lower Upper
198 100
51 203.4 41.7 81.7#
105 193.8 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.749 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion:248 Resp: 17313
Ion Ratio Lower Upper
248 100
250 207.0 77.1 115.7#
141 446.2 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: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

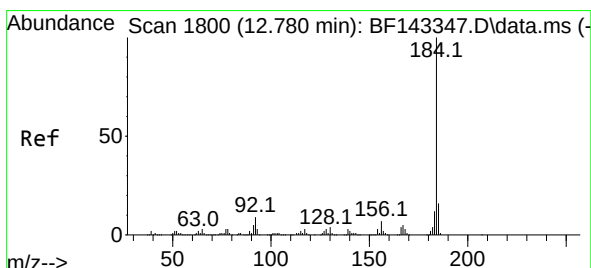
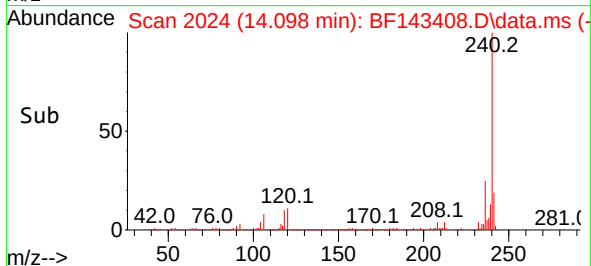
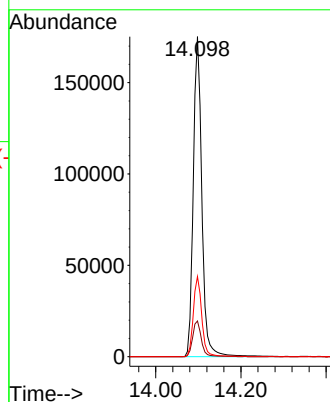
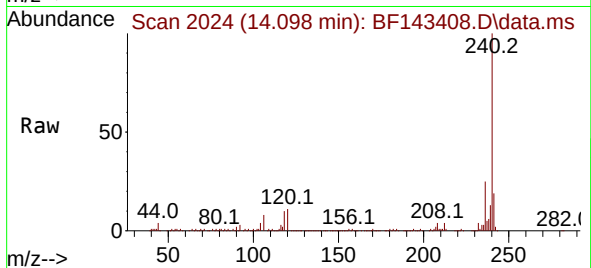
Tgt Ion:240 Resp: 244621

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

236 25.0 19.9 29.9



#77

Benzidine

Concen: 2.572 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

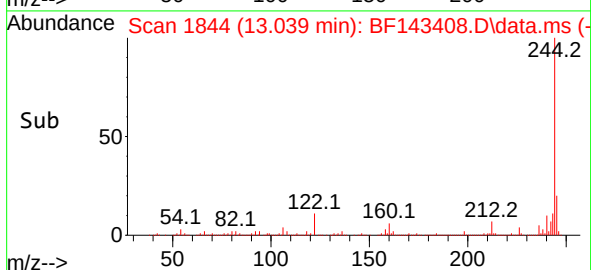
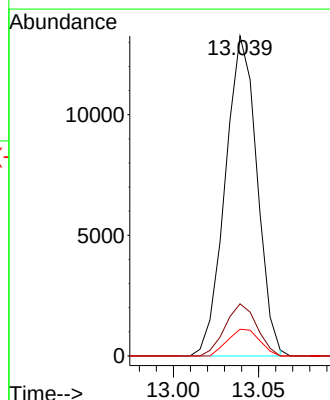
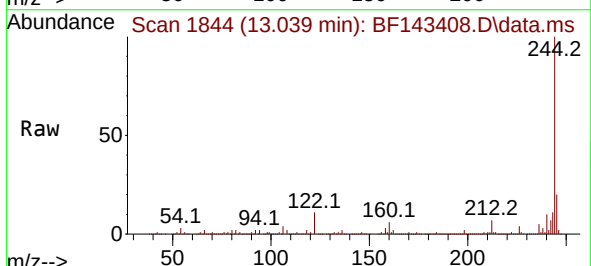
Tgt Ion:184 Resp: 17202

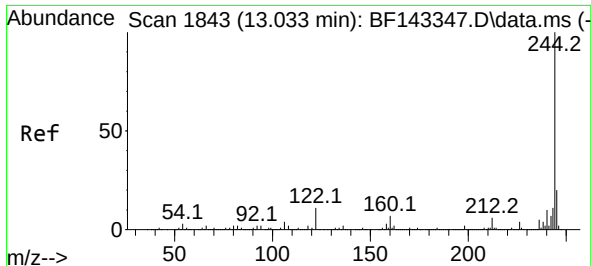
Ion Ratio Lower Upper

184 100

185 16.3 12.8 19.2

183 8.3 9.3 13.9#

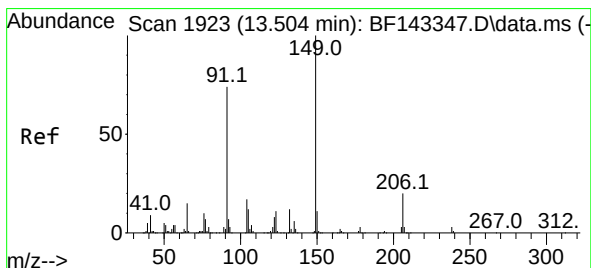
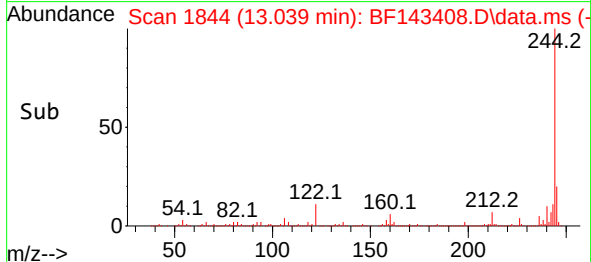
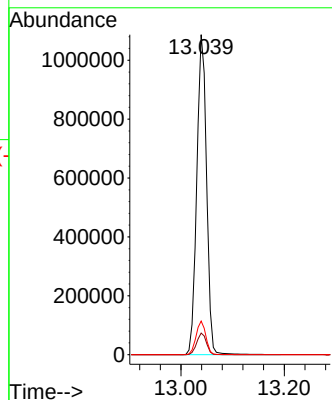
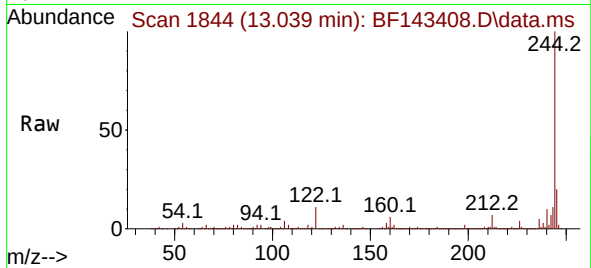




#79
 Terphenyl-d14
 Concen: 104.164 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143408.D
 Acq: 15 Aug 2025 08:18

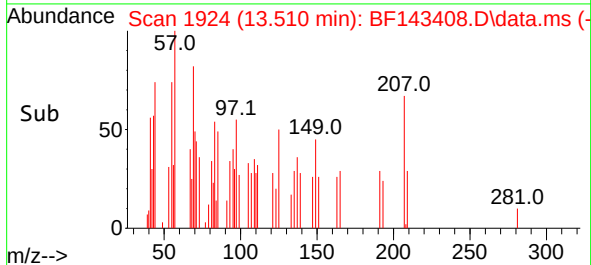
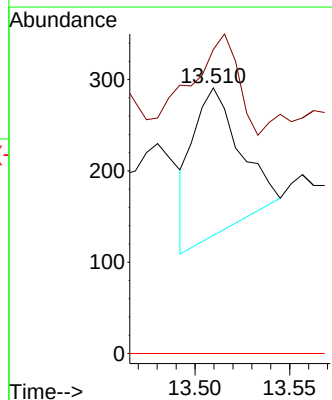
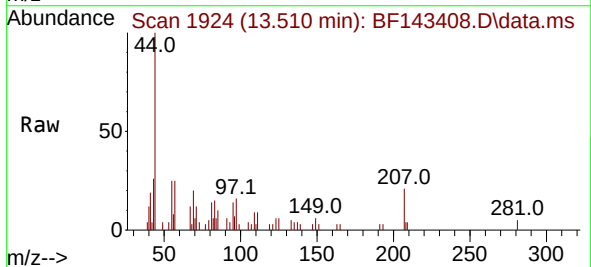
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-N

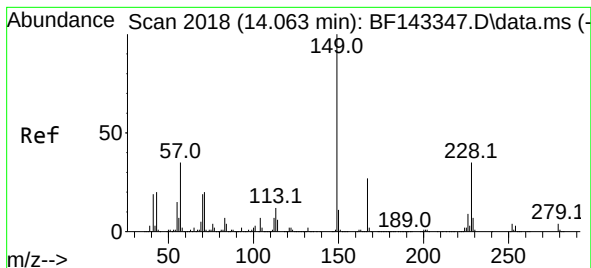
Tgt Ion:244 Resp: 1427221
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 10.5 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.416 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143408.D
 Acq: 15 Aug 2025 08:18

Tgt Ion:149 Resp: 284
 Ion Ratio Lower Upper
 149 100
 91 114.4 58.8 88.2#
 206 0.0 16.4 24.6#

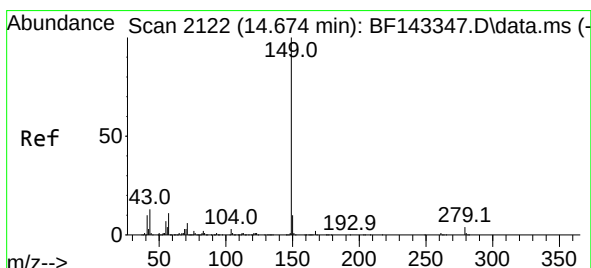
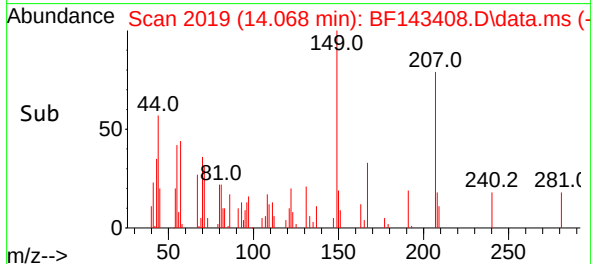
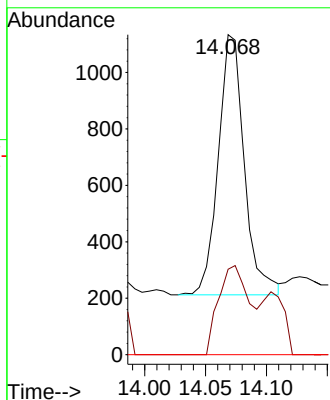
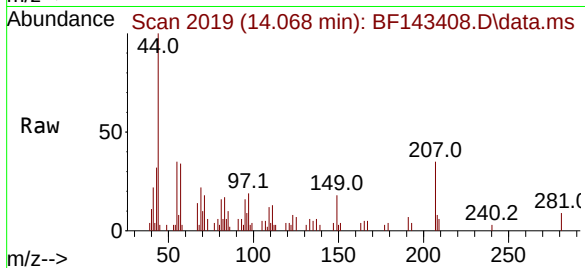




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.201 ng
 RT: 14.068 min Scan# 2018
 Delta R.T. 0.005 min
 Lab File: BF143408.D
 Acq: 15 Aug 2025 08:18

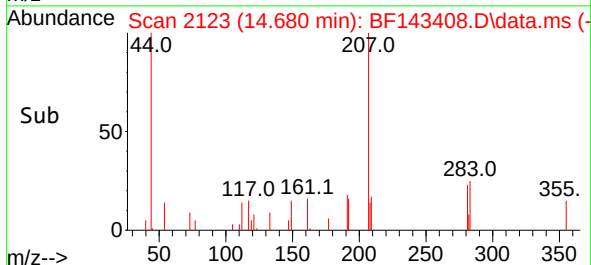
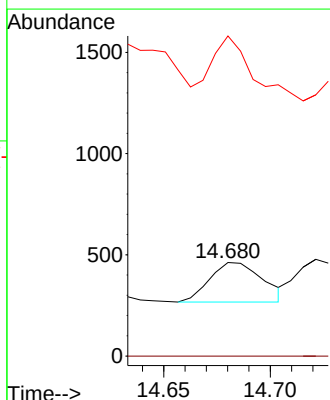
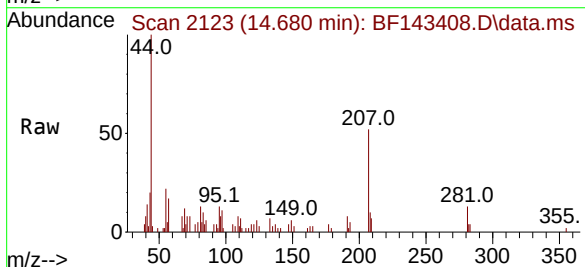
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-N

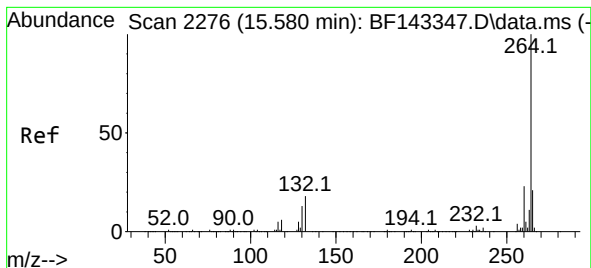
Tgt Ion:149 Resp: 1374
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.4 32.0
 279 0.0 3.2 4.8#



#85
 Di-n-octyl phthalate
 Concen: 6.049 ng
 RT: 14.680 min Scan# 2123
 Delta R.T. 0.006 min
 Lab File: BF143408.D
 Acq: 15 Aug 2025 08:18

Tgt Ion:149 Resp: 335
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 126.6 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: BF143408.D

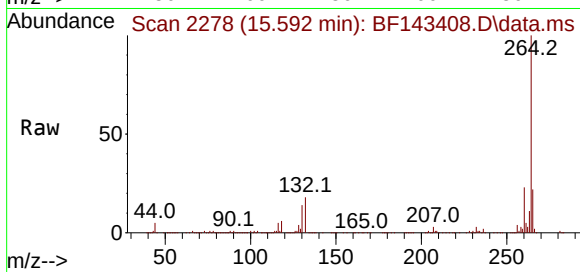
Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N



Tgt Ion:264 Resp: 304602

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.3 17.2 25.8

