

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143407.D
 Acq On : 15 Aug 2025 07:49
 Operator : RC/JU
 Sample : Q2815-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-W

Quant Time: Aug 15 08:39:02 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)

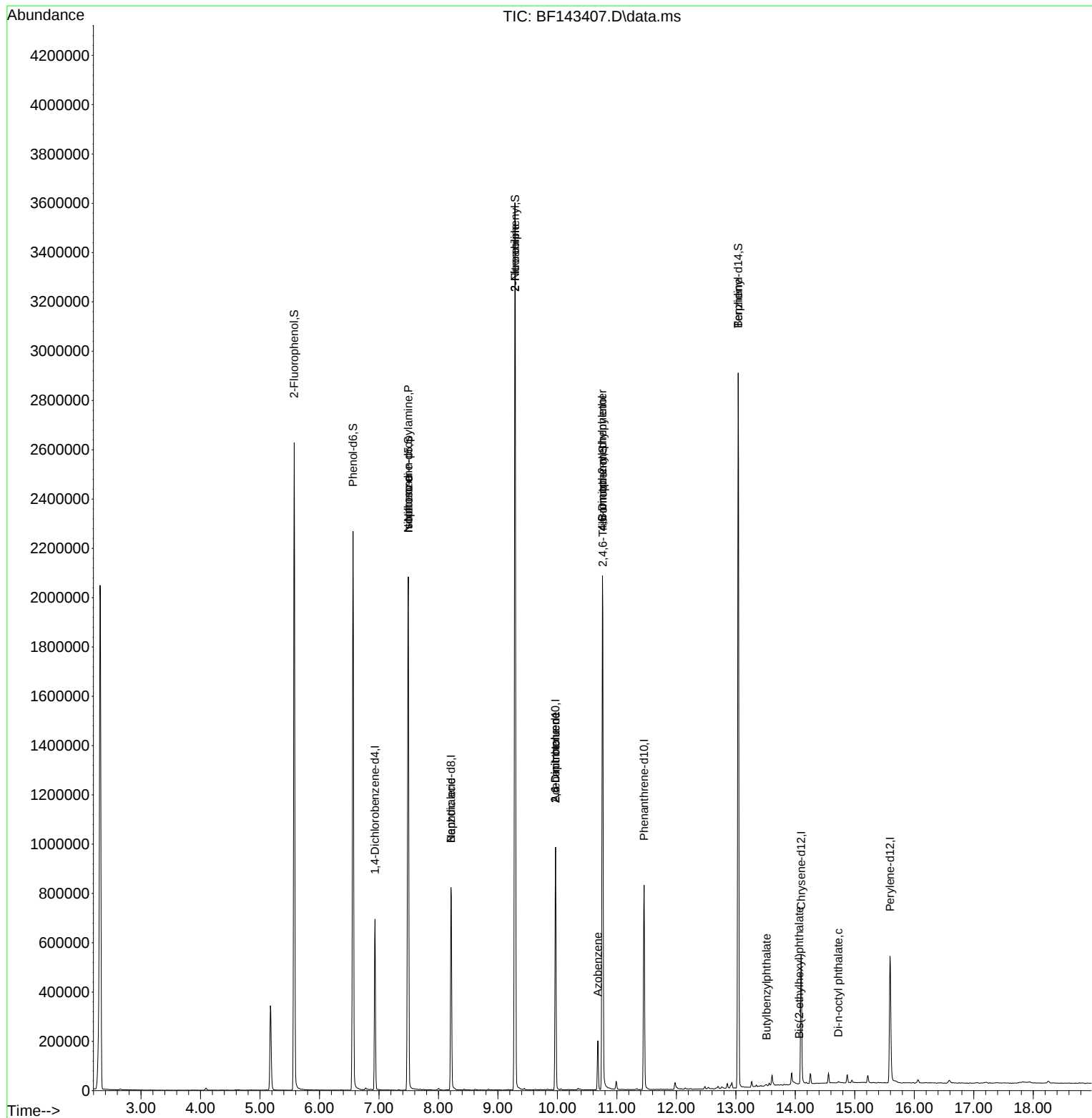
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	144249	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	549029	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	296630	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	438155	20.000	ng	0.00
76) Chrysene-d12	14.098	240	267853	20.000	ng	0.00
86) Perylene-d12	15.592	264	326295	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	976687	117.085	ng	0.01
7) Phenol-d6	6.563	99	1070241	100.049	ng	0.00
23) Nitrobenzene-d5	7.492	82	992560	112.581	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	400602	184.794	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1707363	97.605	ng	0.00
79) Terphenyl-d14	13.039	244	1444513	96.282	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	136377	20.633	ng	# 78
25) Isophorone	7.492	82	976262	54.242	ng	# 65
32) Benzoic acid	8.210	122	58	3.478	ng	# 1
48) 2-Nitroaniline	9.286	65	2952	3.350	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	37928	13.813	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	37928	11.181	ng	# 20
63) Azobenzene	10.680	77	50166	2.829	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	768	7.629	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	26126	5.214	ng	# 1
77) Benzidine	13.039	184	17021	2.324	ng	# 97
80) Butylbenzylphthalate	13.515	149	241	3.401	ng	# 6
84) Bis(2-ethylhexyl)phtha...	14.068	149	1703	4.229	ng	# 92
85) Di-n-octyl phthalate	14.721	149	866	6.083	ng	# 1

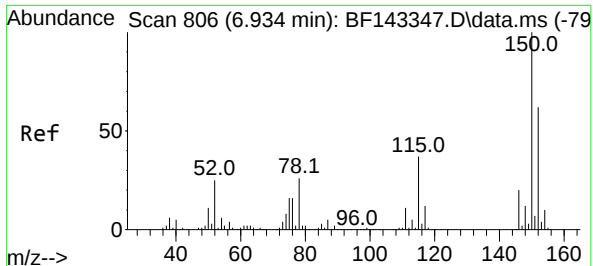
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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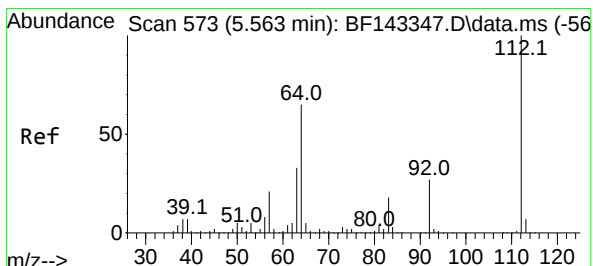
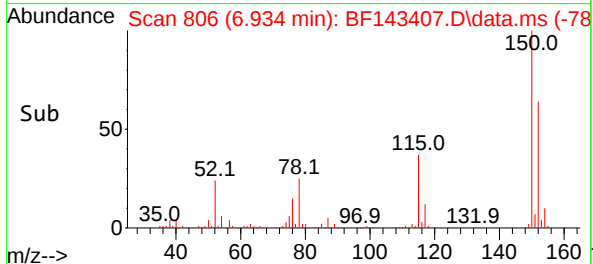
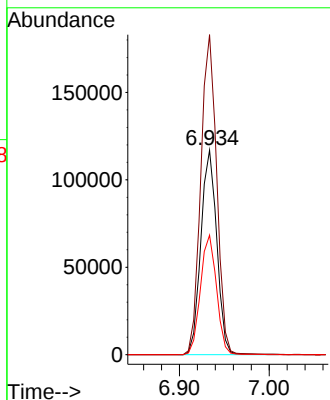
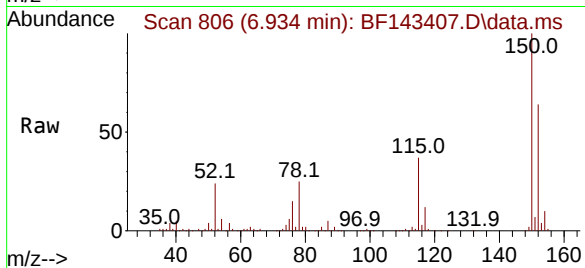




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143407.D
 Acq: 15 Aug 2025 07:49

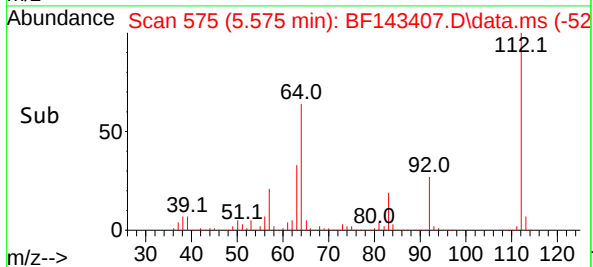
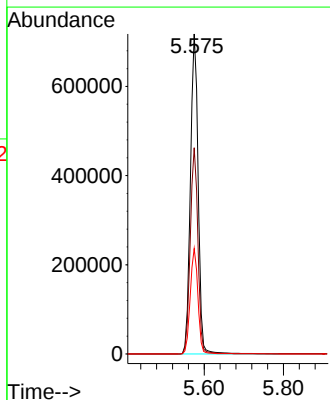
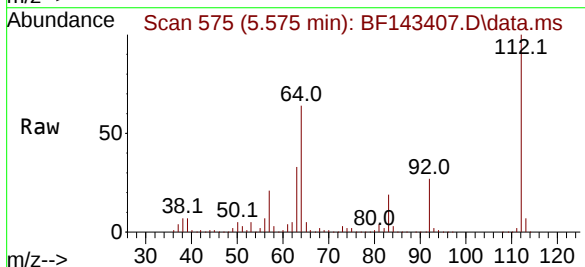
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-W

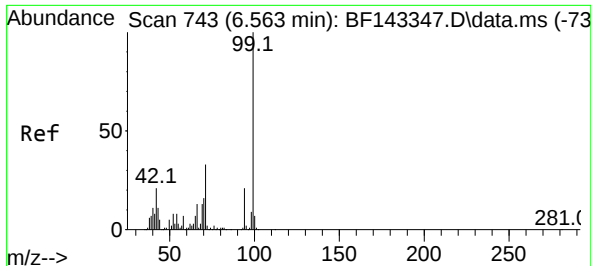
Tgt Ion:152 Resp: 144249
 Ion Ratio Lower Upper
 152 100
 150 156.5 129.8 194.8
 115 58.5 47.8 71.8



#5
 2-Fluorophenol
 Concen: 117.085 ng
 RT: 5.575 min Scan# 575
 Delta R.T. 0.012 min
 Lab File: BF143407.D
 Acq: 15 Aug 2025 07:49

Tgt Ion:112 Resp: 976687
 Ion Ratio Lower Upper
 112 100
 64 64.5 52.1 78.1
 63 33.0 26.6 39.8



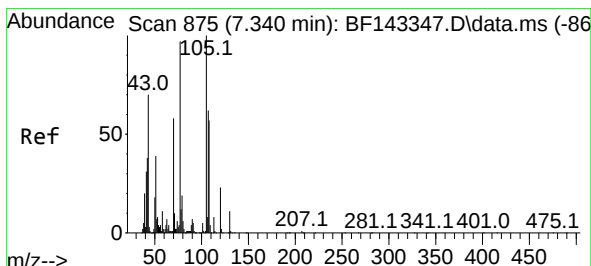
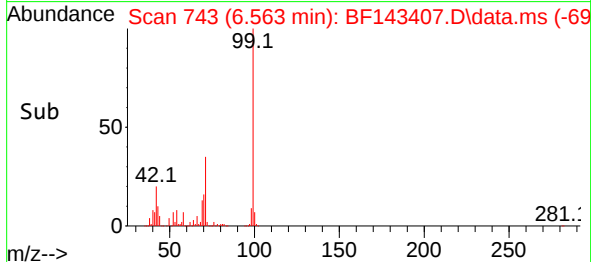
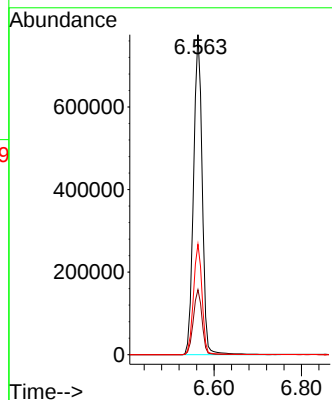
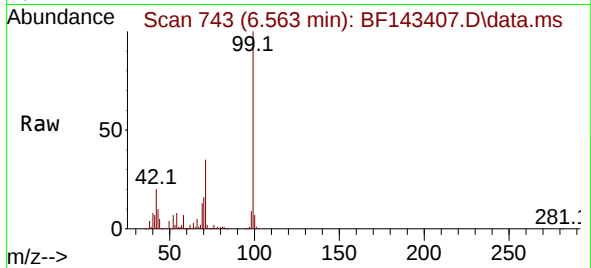


#7
Phenol-d6
Concen: 100.049 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

Tgt Ion: 99 Resp: 1070241

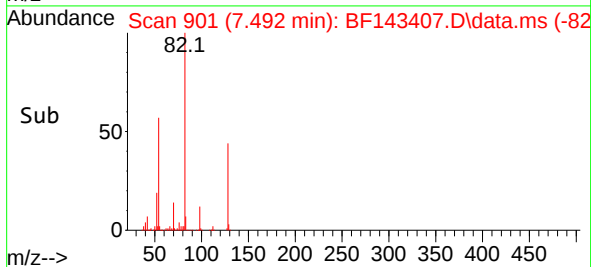
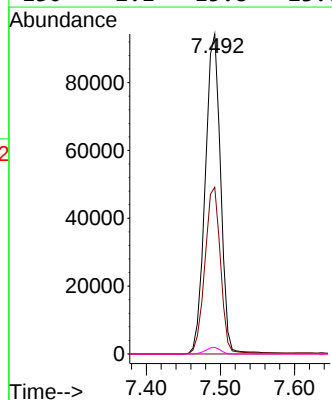
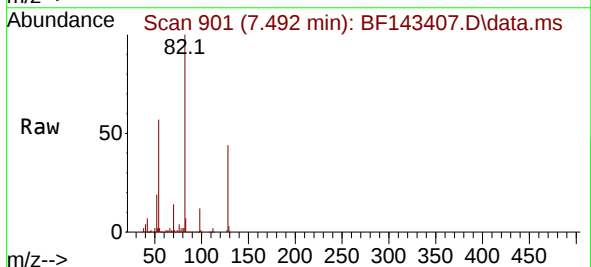
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	25.0
71	34.5	26.2	39.2

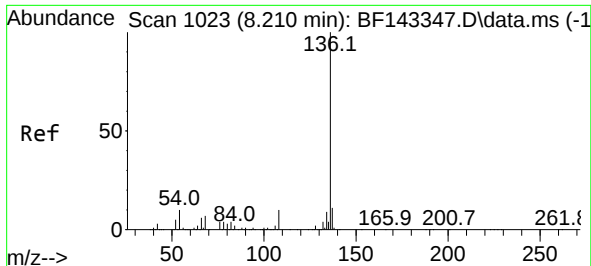


#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion: 70 Resp: 136377

Ion	Ratio	Lower	Upper
70	100		
42	52.1	51.6	77.4
101	0.0	7.5	11.3#
130	2.1	15.8	23.6#

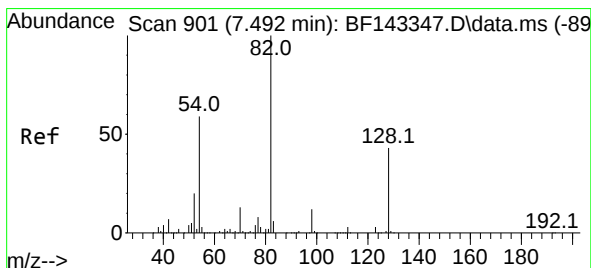
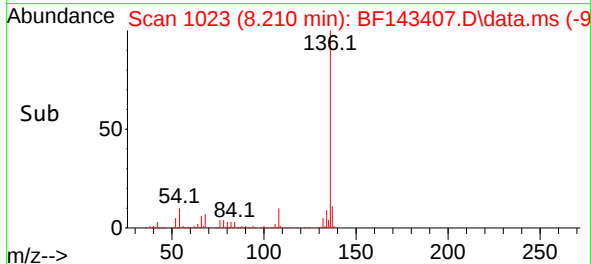
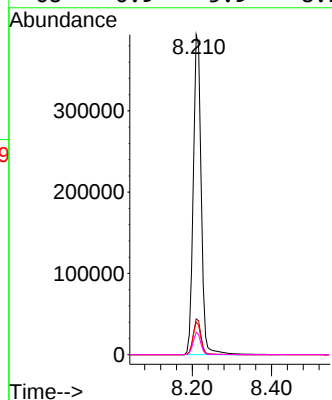
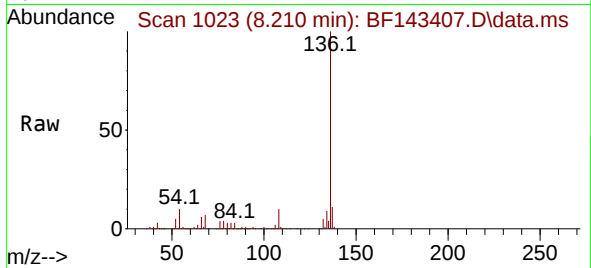




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

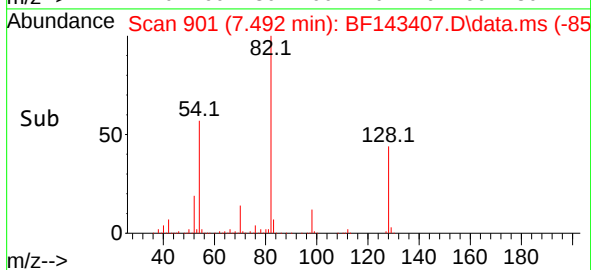
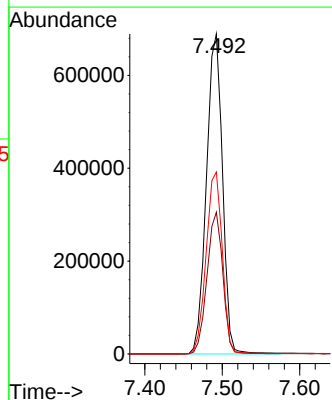
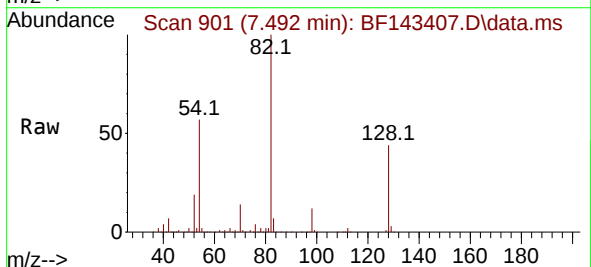
Instrument :
BNA_F
ClientSampleId :
TW-10P-W

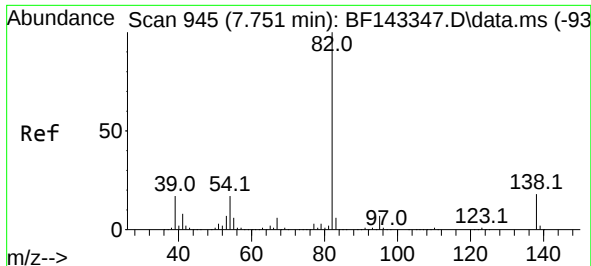
Tgt Ion:	136	Resp:	549029
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	10.2	8.4	12.6
68	6.9	5.9	8.9



#23
Nitrobenzene-d5
Concen: 112.581 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion:	82	Resp:	992560
Ion Ratio	Lower	Upper	
82	100		
128	44.3	33.5	50.3
54	56.8	46.7	70.1

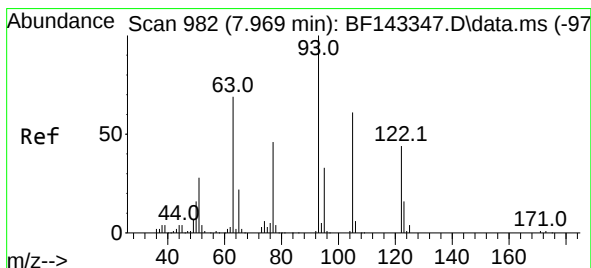
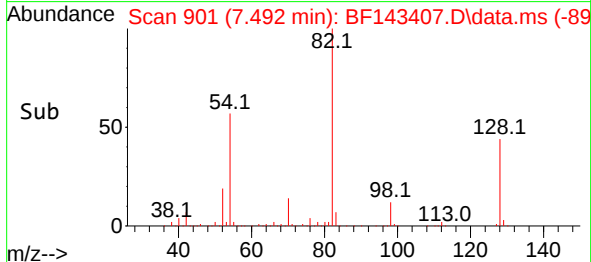
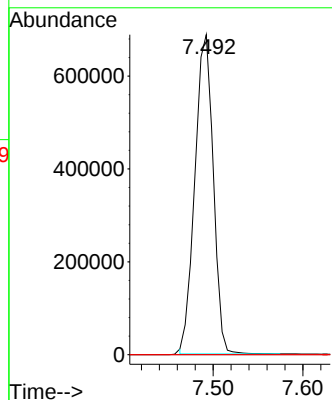
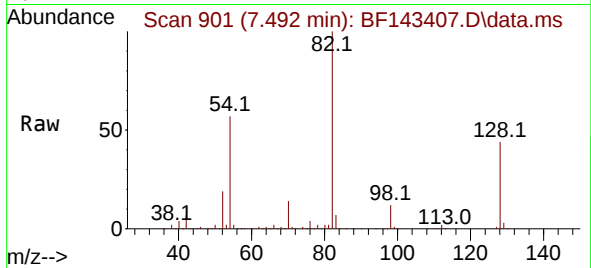




#25
Isophorone
Concen: 54.242 ng
RT: 7.492 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

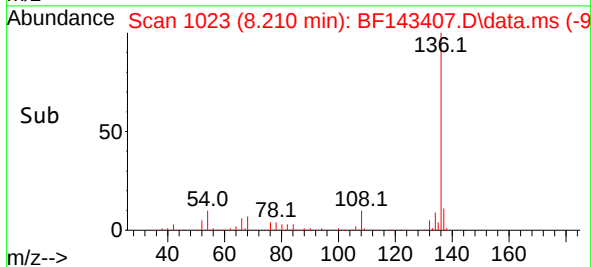
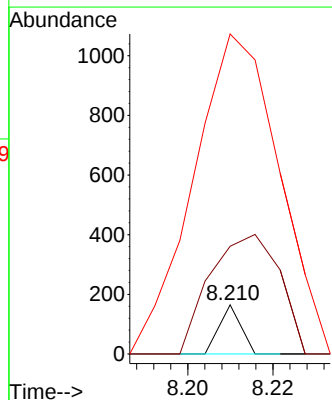
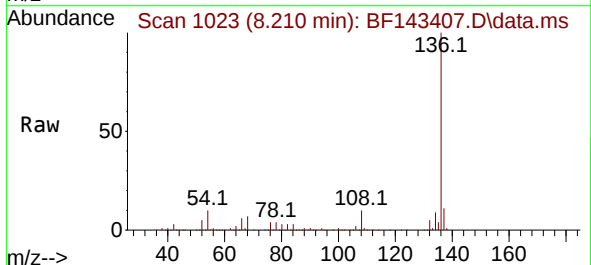
Instrument :
BNA_F
ClientSampleId :
TW-10P-W

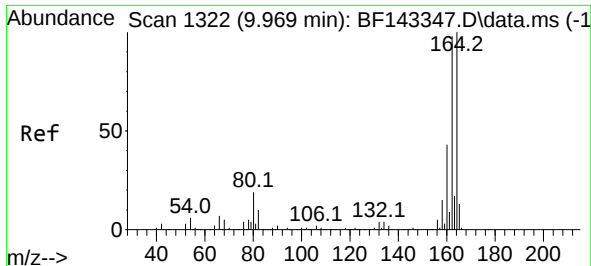
Tgt Ion: 82 Resp: 976262
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.478 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 218.8 106.4 146.4#
77 650.3 79.2 119.2#

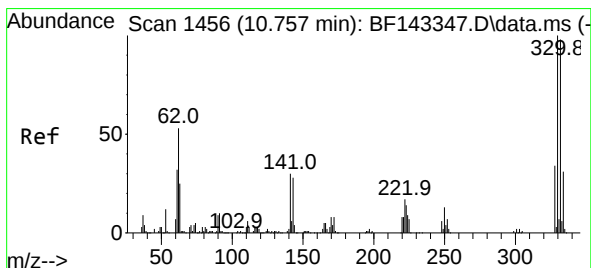
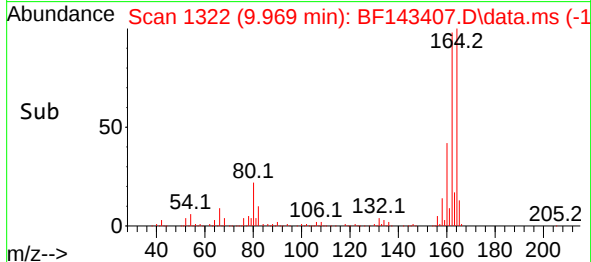
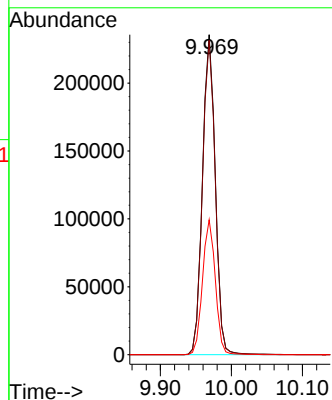
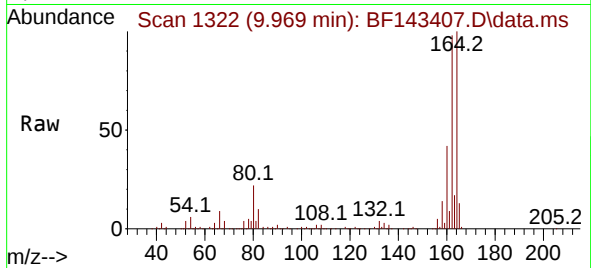




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

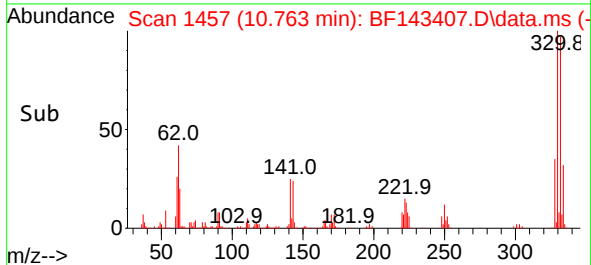
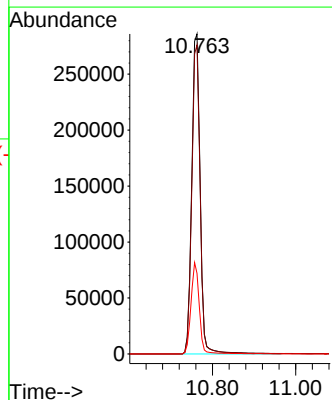
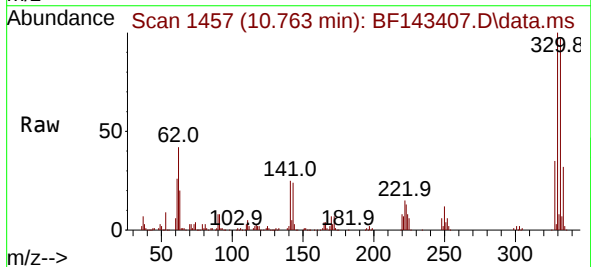
Instrument :
BNA_F
ClientSampleId :
TW-10P-W

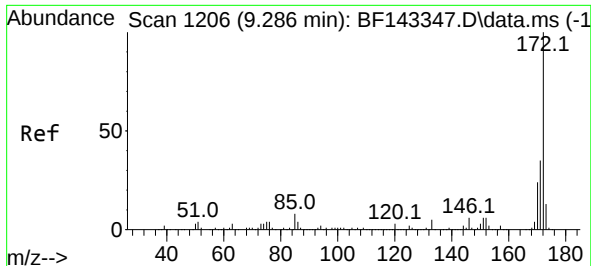
Tgt Ion:164 Resp: 296630
Ion Ratio Lower Upper
164 100
162 98.2 78.6 118.0
160 42.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 184.794 ng
RT: 10.763 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion:330 Resp: 400602
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 28.3 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 97.605 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

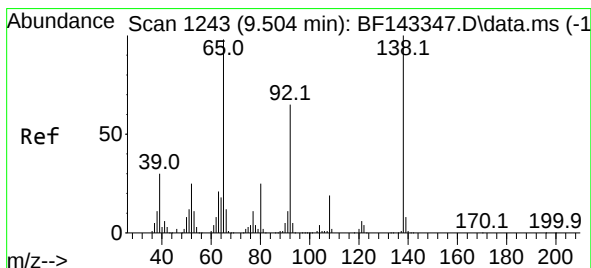
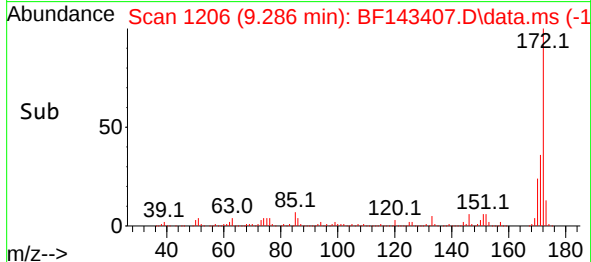
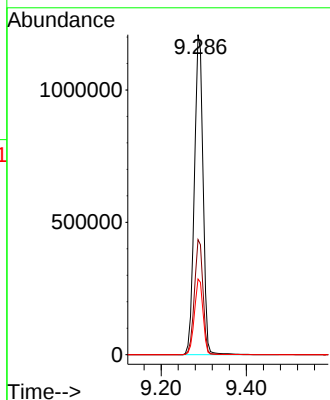
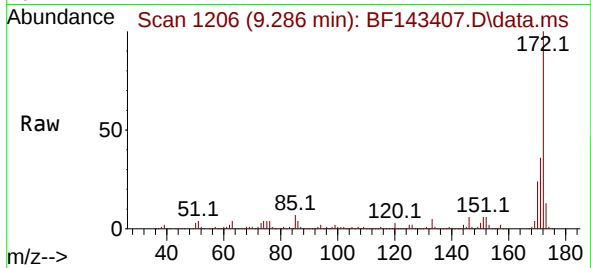
Tgt Ion:172 Resp: 1707363

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.7 19.1 28.7



#48

2-Nitroaniline

Concen: 3.350 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

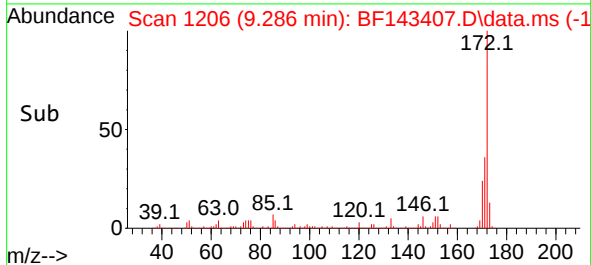
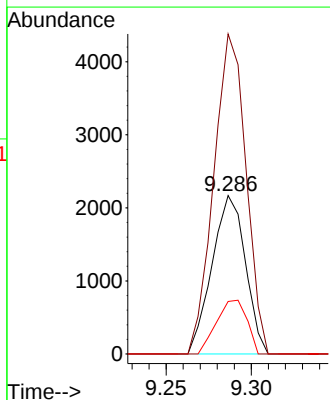
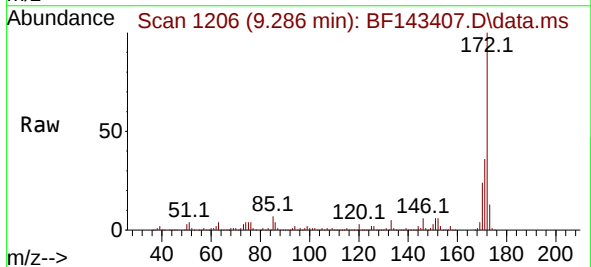
Tgt Ion: 65 Resp: 2952

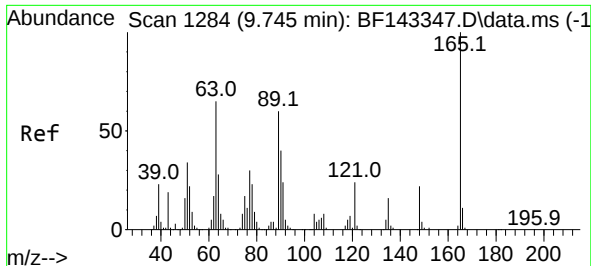
Ion Ratio Lower Upper

65 100

92 201.9 53.1 79.7#

138 33.1 81.4 122.0#

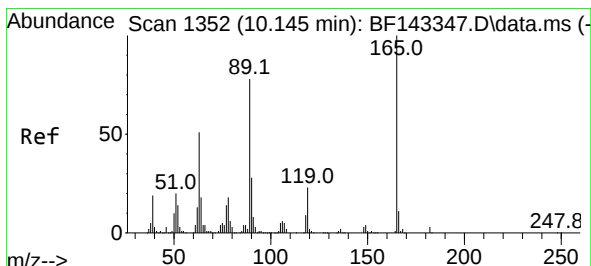
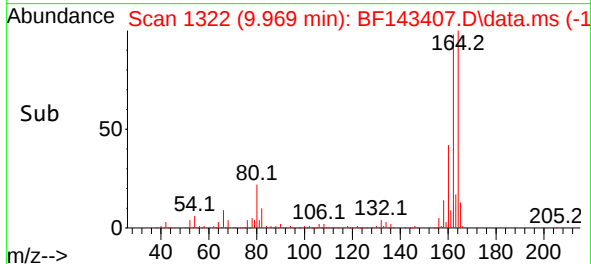
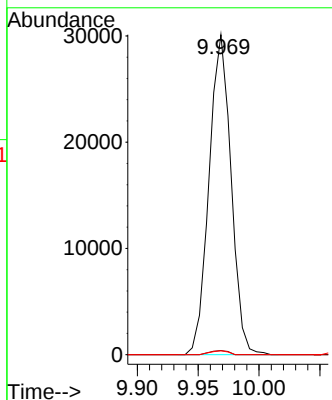
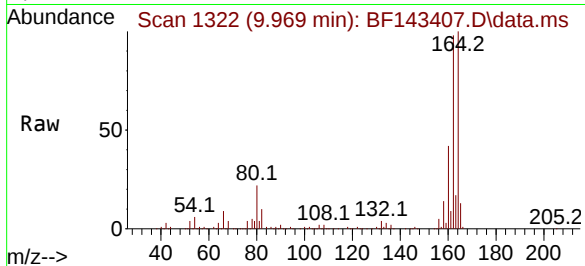




#51
2,6-Dinitrotoluene
Concen: 13.813 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.224 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

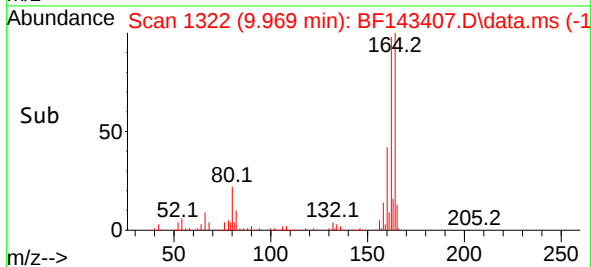
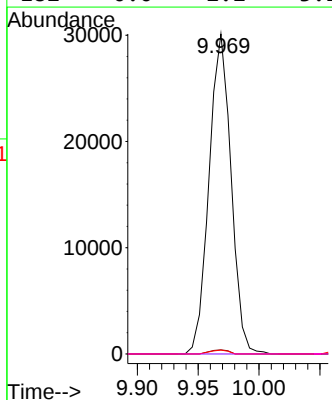
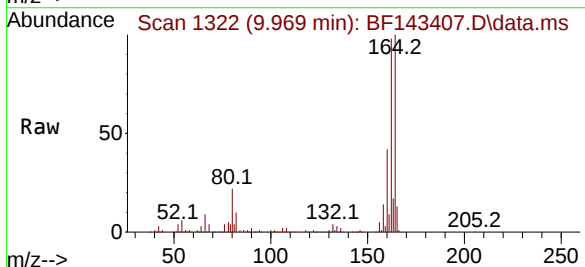
Instrument :
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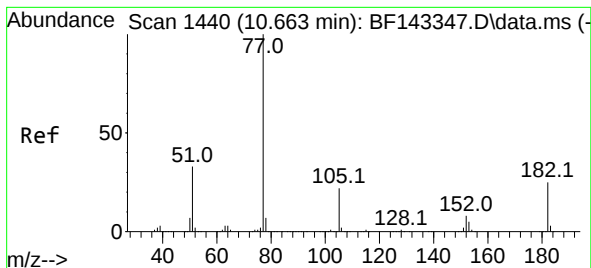
Tgt Ion:165 Resp: 37928
Ion Ratio Lower Upper
165 100
63 1.3 51.6 77.4#
89 1.2 47.7 71.5#



#57
2,4-Dinitrotoluene
Concen: 11.181 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion:165 Resp: 37928
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: 2.829 ng

RT: 10.680 min Scan# 1443

Delta R.T. 0.017 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

Tgt Ion: 77 Resp: 50166

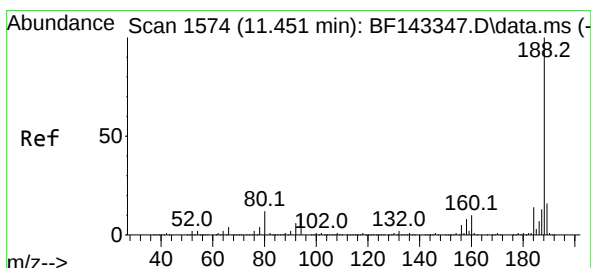
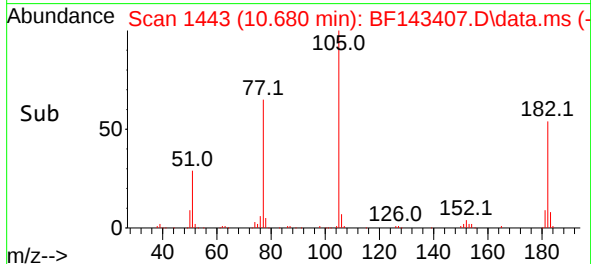
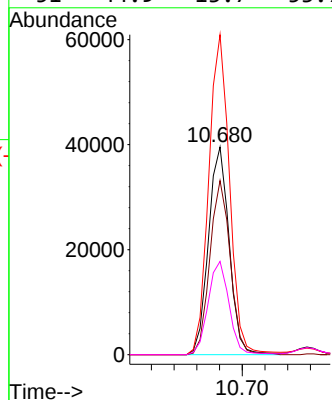
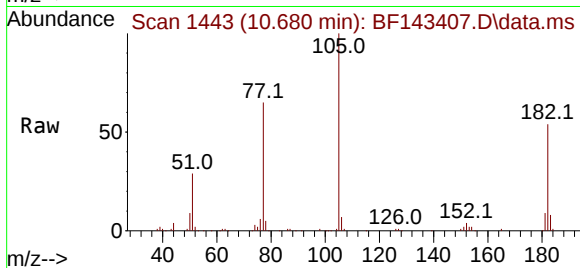
Ion Ratio Lower Upper

77 100

182 83.8 4.4 44.4#

105 154.1 1.8 41.8#

51 44.9 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: BF143407.D

Acq: 15 Aug 2025 07:49

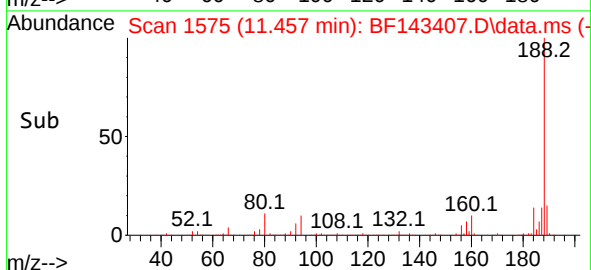
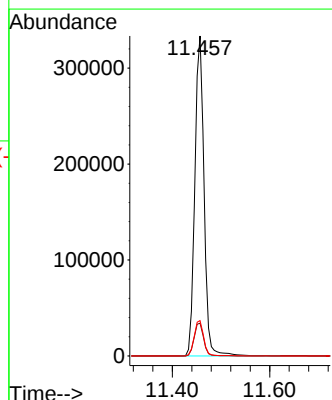
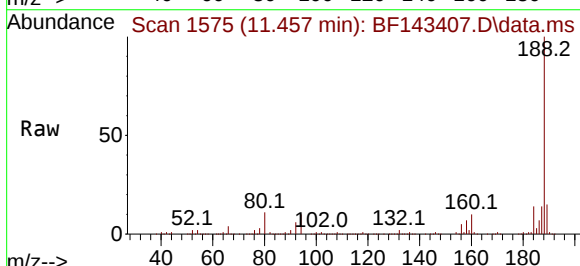
Tgt Ion:188 Resp: 438155

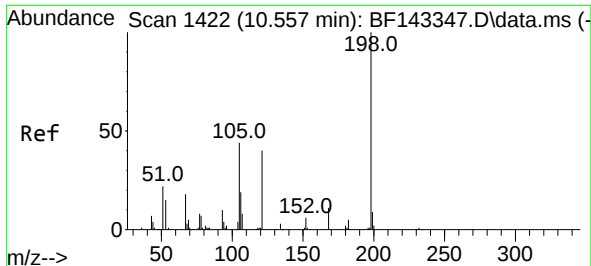
Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 11.1 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 7.629 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

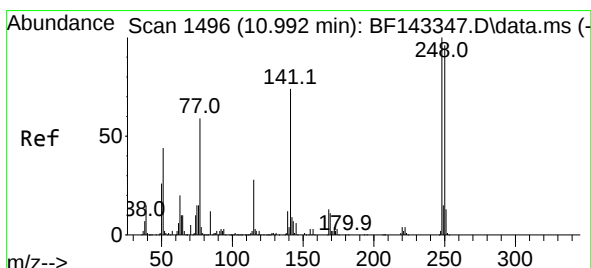
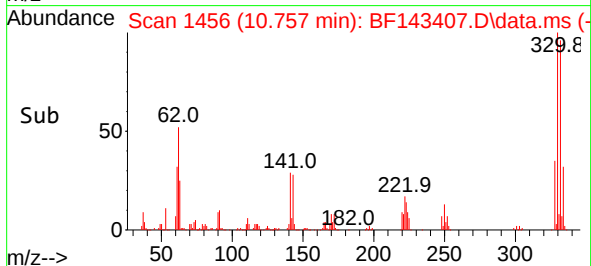
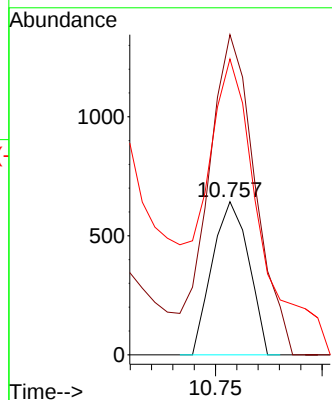
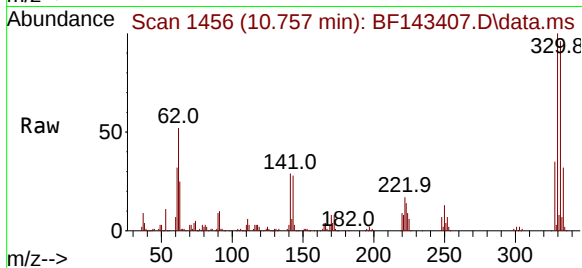
Tgt Ion:198 Resp: 768

Ion Ratio Lower Upper

198 100

51 209.2 41.7 81.7#

105 193.3 26.8 66.8#



#67

4-Bromophenyl-phenylether

Concen: 5.214 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.235 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

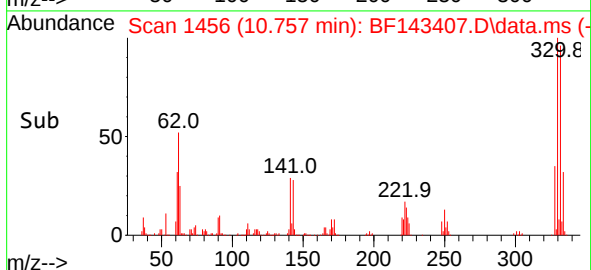
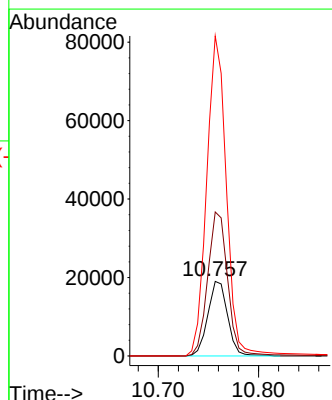
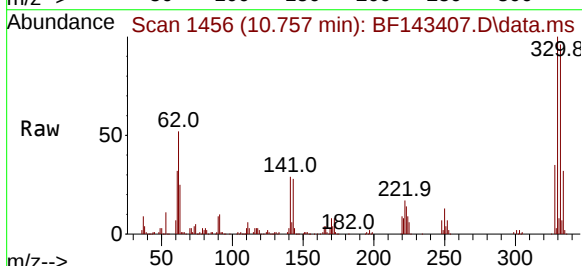
Tgt Ion:248 Resp: 26126

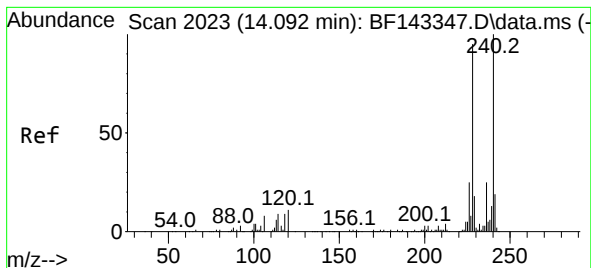
Ion Ratio Lower Upper

248 100

250 193.1 77.1 115.7#

141 429.0 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: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

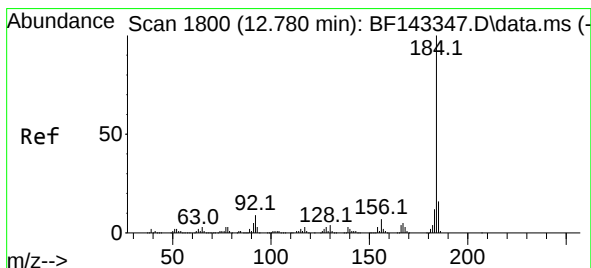
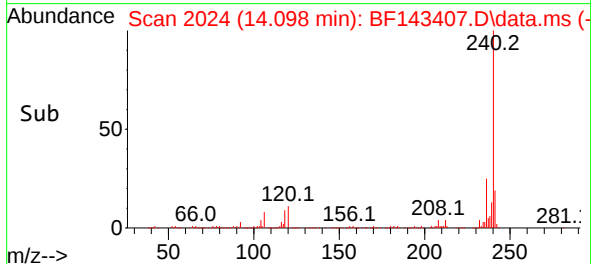
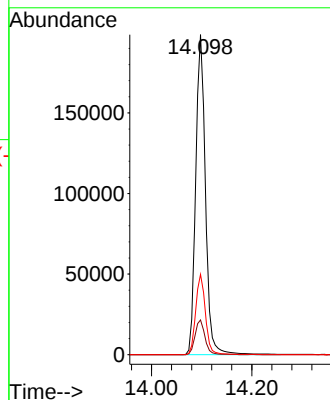
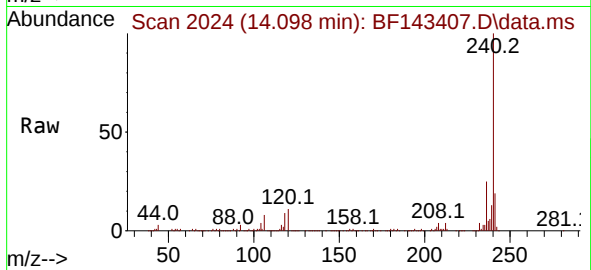
Tgt Ion:240 Resp: 267853

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

236 25.1 19.9 29.9



#77

Benzidine

Concen: 2.324 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

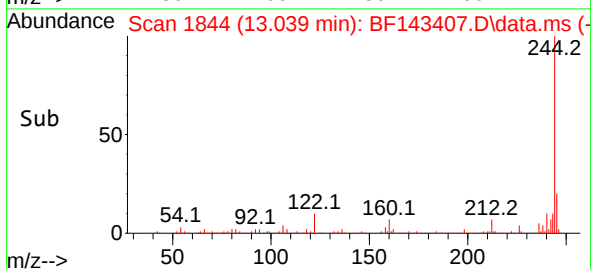
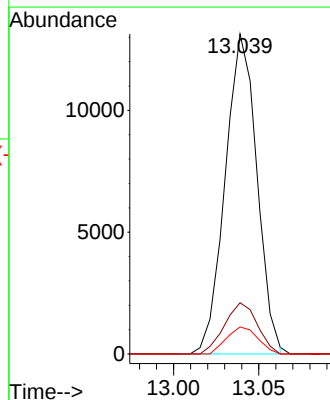
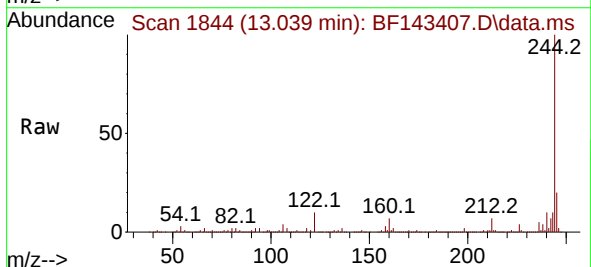
Tgt Ion:184 Resp: 17021

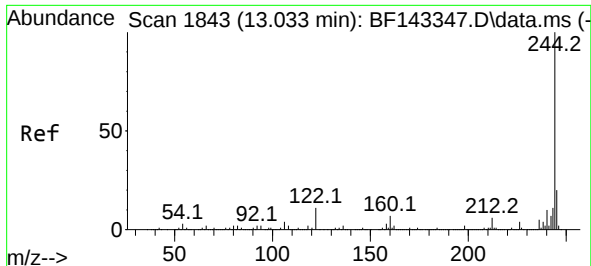
Ion Ratio Lower Upper

184 100

185 16.0 12.8 19.2

183 8.4 9.3 13.9#

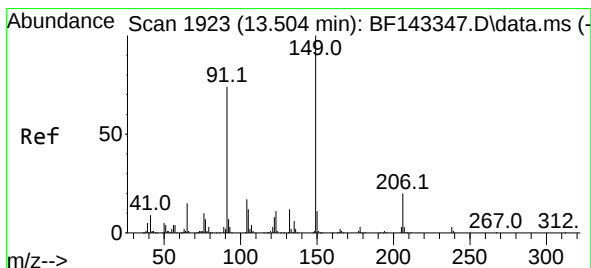
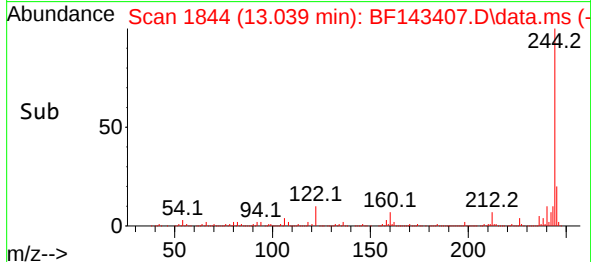
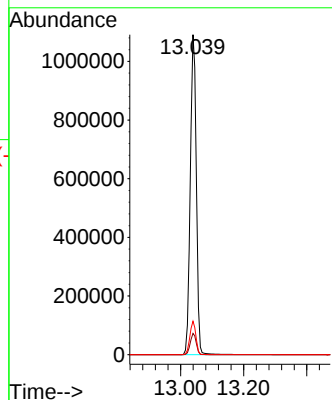
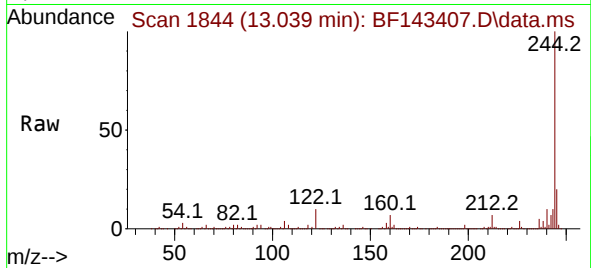




#79
 Terphenyl-d14
 Concen: 96.282 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143407.D
 Acq: 15 Aug 2025 07:49

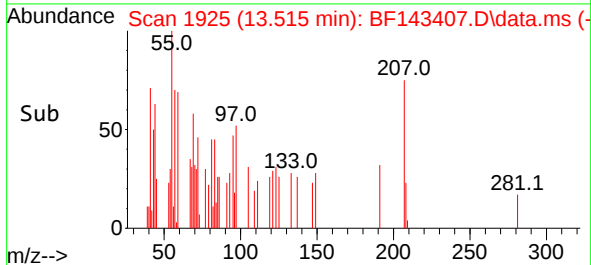
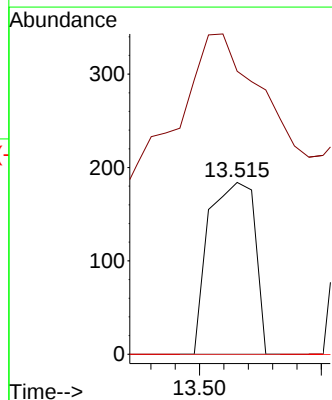
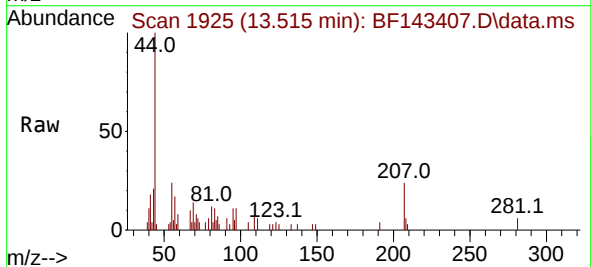
Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-W

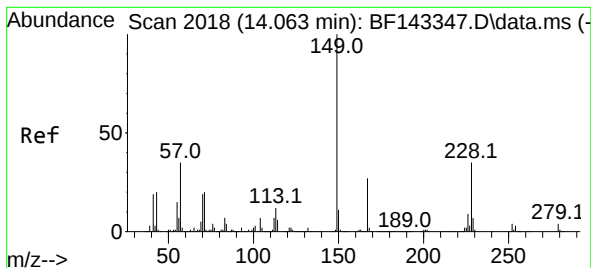
Tgt Ion:244 Resp: 1444513
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 10.5 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.401 ng
 RT: 13.515 min Scan# 1925
 Delta R.T. 0.011 min
 Lab File: BF143407.D
 Acq: 15 Aug 2025 07:49

Tgt Ion:149 Resp: 241
 Ion Ratio Lower Upper
 149 100
 91 164.7 58.8 88.2#
 206 0.0 16.4 24.6#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.229 ng

RT: 14.068 min Scan# 2018

Delta R.T. 0.005 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

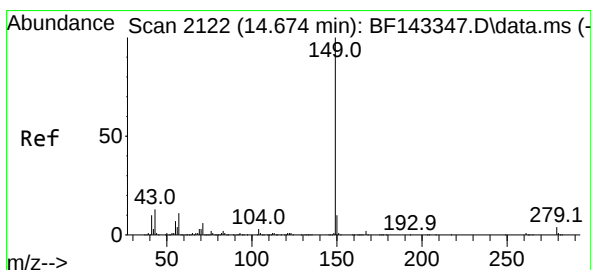
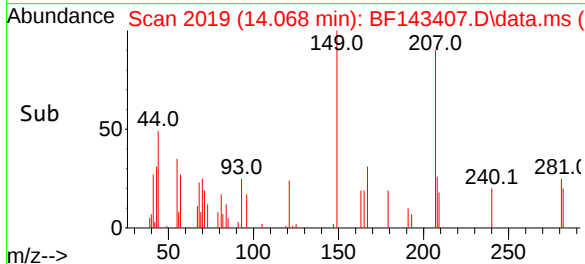
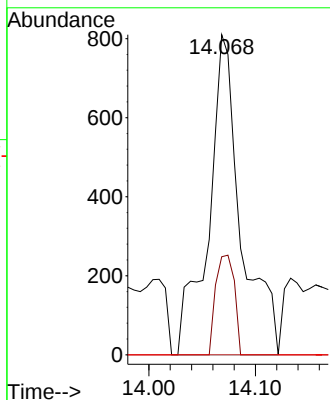
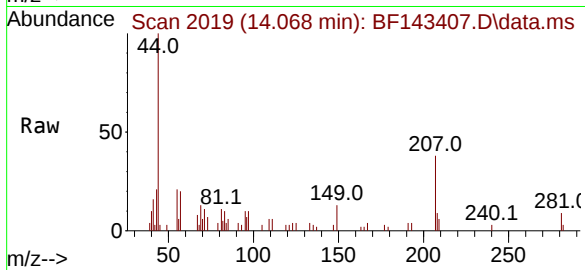
Tgt Ion:149 Resp: 1703

Ion Ratio Lower Upper

149 100

167 30.6 21.4 32.0

279 0.0 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 6.083 ng

RT: 14.721 min Scan# 2130

Delta R.T. 0.047 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

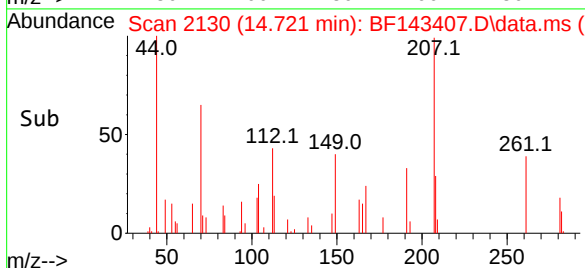
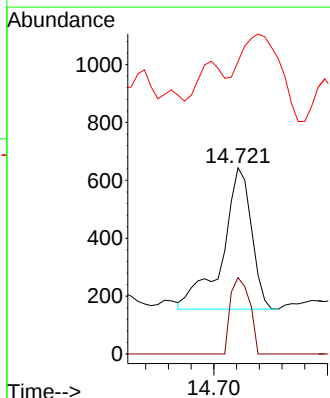
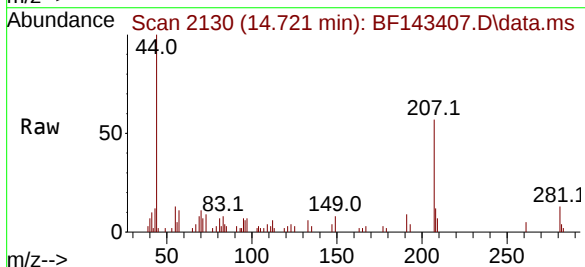
Tgt Ion:149 Resp: 866

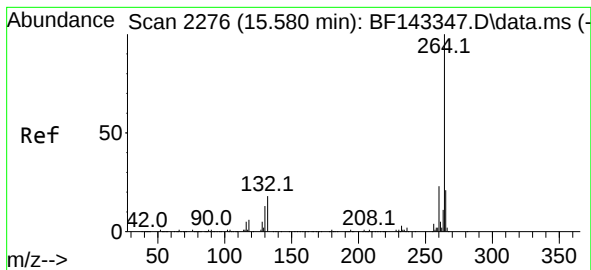
Ion Ratio Lower Upper

149 100

167 35.6 1.3 1.9#

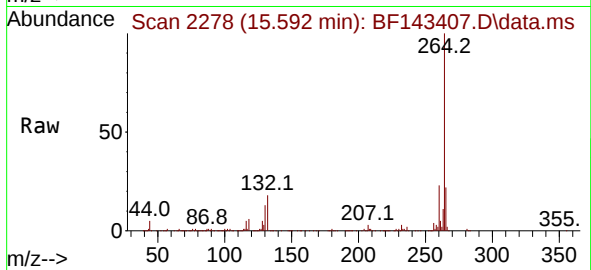
43 89.7 10.8 16.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143407.D
 Acq: 15 Aug 2025 07:49

Instrument :
 BNA_F
 ClientSampleId :
 TW-10P-W



Tgt Ion:264 Resp: 326295
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 22.1 17.2 25.8

