

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143389.D
 Acq On : 14 Aug 2025 18:56
 Operator : RC/JU
 Sample : Q2814-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-S

Quant Time: Aug 15 01:46:39 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)

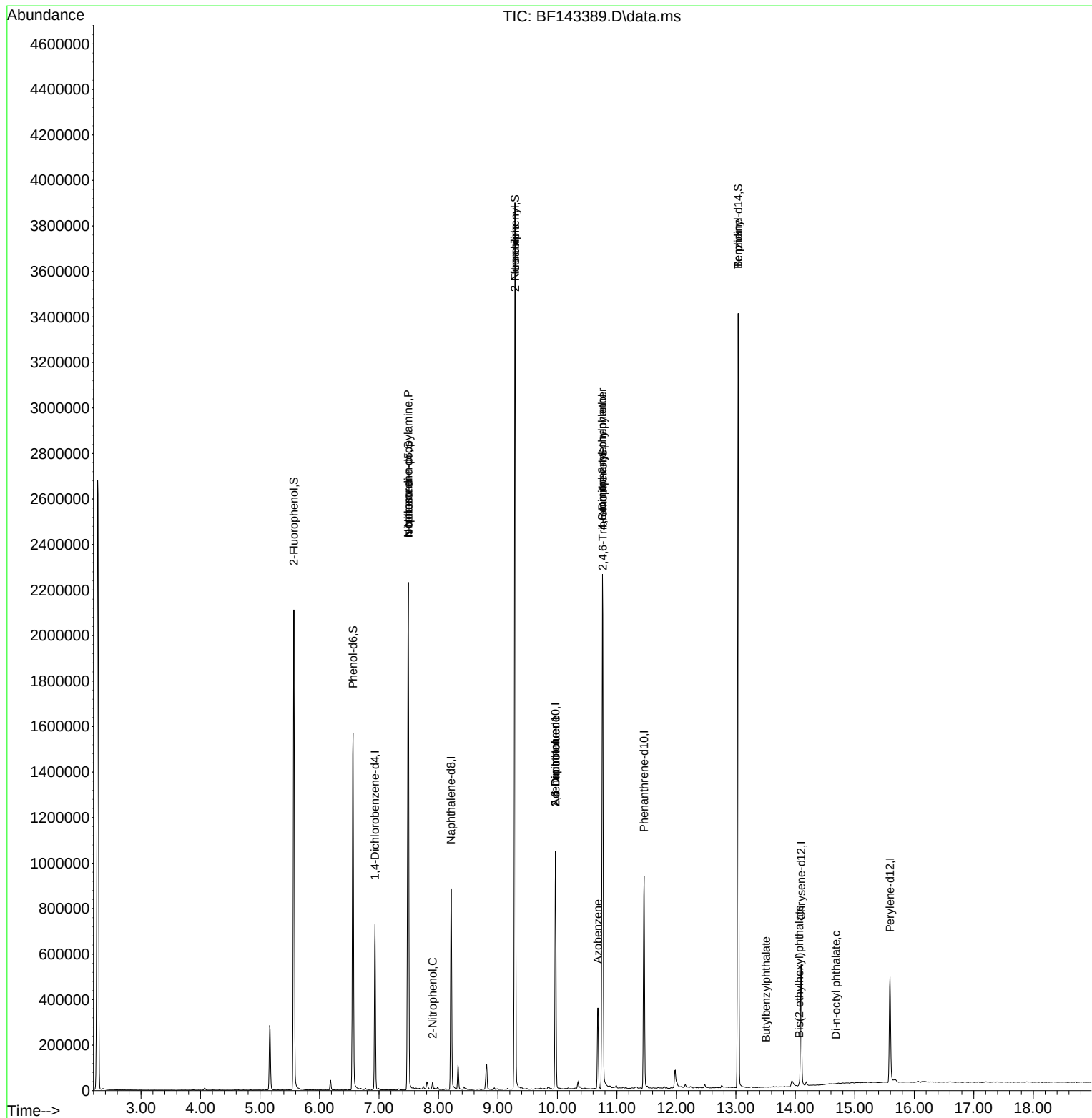
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	150098	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	582588	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	311951	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	484675	20.000	ng	0.00
76) Chrysene-d12	14.098	240	273593	20.000	ng	0.00
86) Perylene-d12	15.592	264	288235	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	748380	86.220	ng	0.00
7) Phenol-d6	6.563	99	731242	65.695	ng	0.00
23) Nitrobenzene-d5	7.492	82	1046655	111.878	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	430533	188.846	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1797454	97.709	ng	0.00
79) Terphenyl-d14	13.039	244	1682318	109.780	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.492	70	138133	20.084	ng	# 79
25) Isophorone	7.492	82	1036969	54.296	ng	# 65
26) 2-Nitrophenol	7.904	139	694	3.800	ng	# 57
48) 2-Nitroaniline	9.286	65	3096	3.348	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	39781	13.784	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	39781	11.159	ng	# 20
63) Azobenzene	10.681	77	90584	4.857	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	889	7.646	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	27283	4.922	ng	# 1
77) Benzidine	13.039	184	19801	2.647	ng	# 96
80) Butylbenzylphthalate	13.510	149	382	3.429	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.069	149	6415	4.871	ng	# 98
85) Di-n-octyl phthalate	14.686	149	538	6.060	ng	# 18

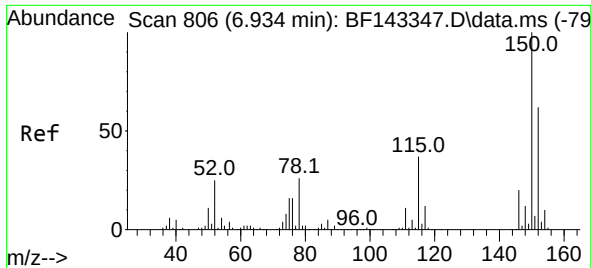
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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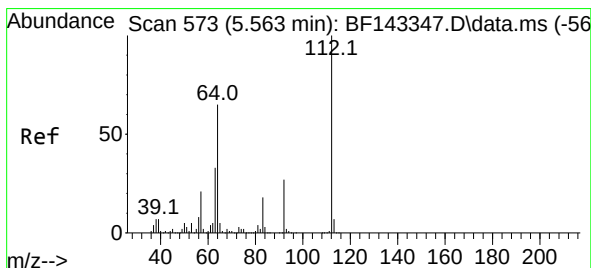
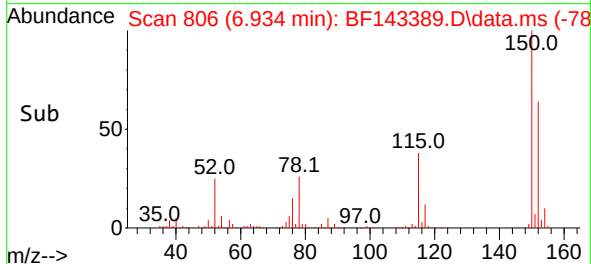
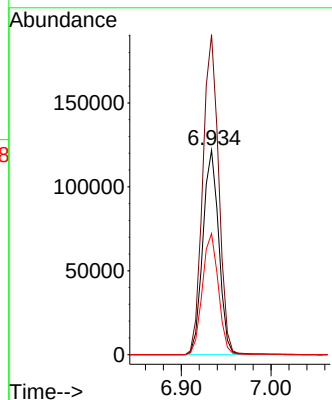
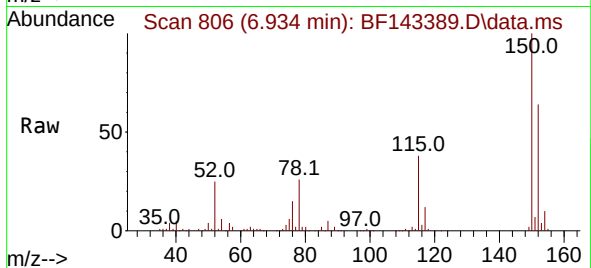




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

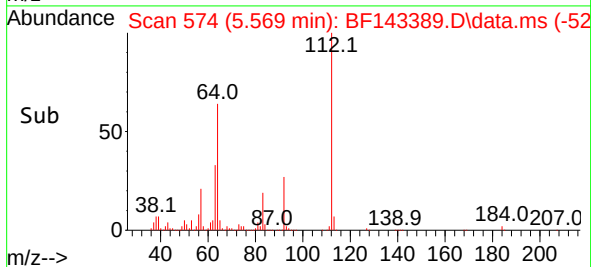
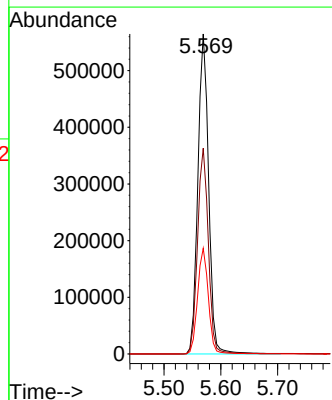
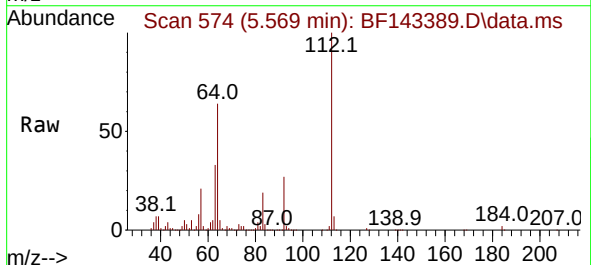
Instrument :
BNA_F
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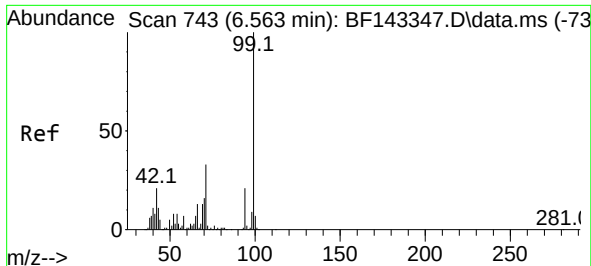
Tgt Ion:152 Resp: 150098
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 59.3 47.8 71.8



#5
2-Fluorophenol
Concen: 86.220 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:112 Resp: 748380
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 33.0 26.6 39.8

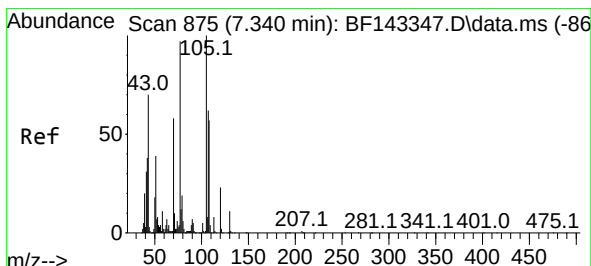
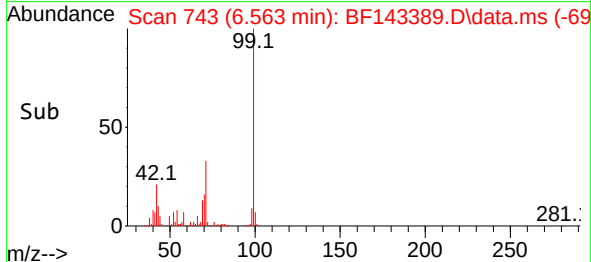
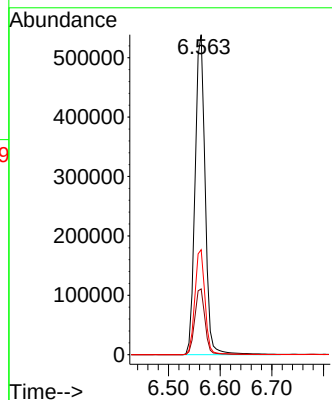
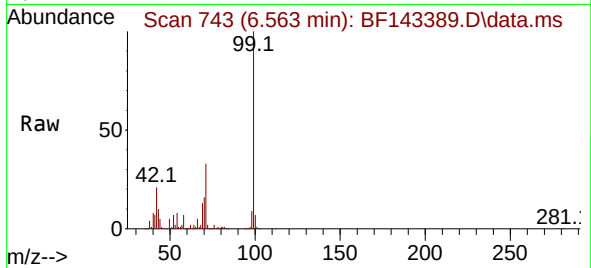




#7
Phenol-d6
Concen: 65.695 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

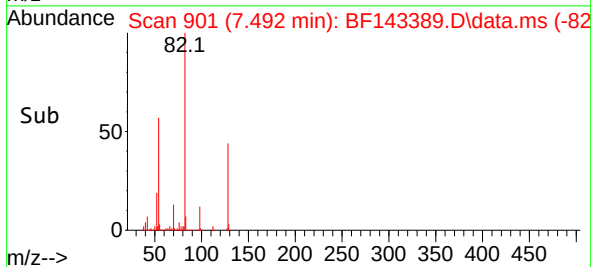
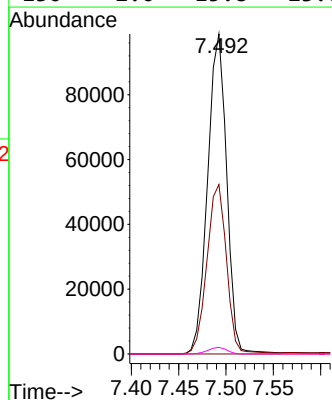
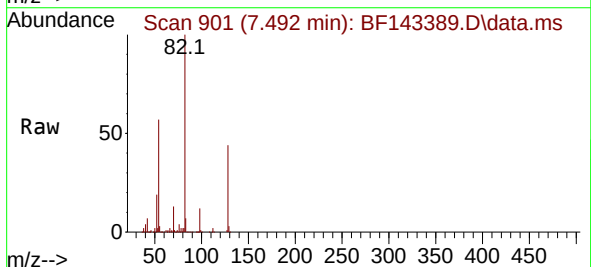
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

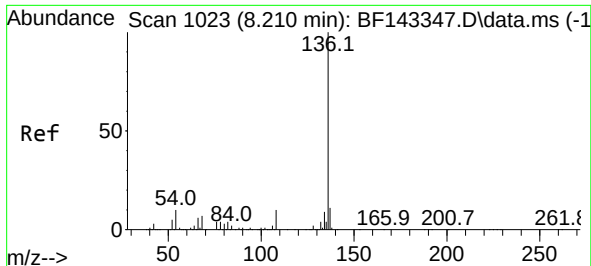
Tgt Ion: 99 Resp: 731242
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 32.8 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.084 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion: 70 Resp: 138133
Ion Ratio Lower Upper
70 100
42 53.0 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#

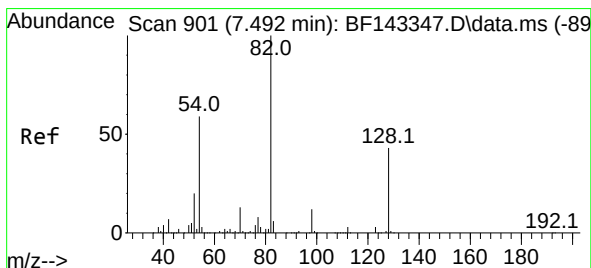
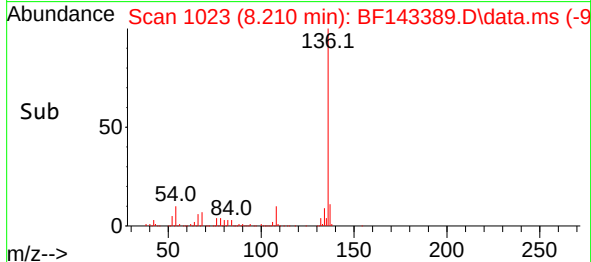
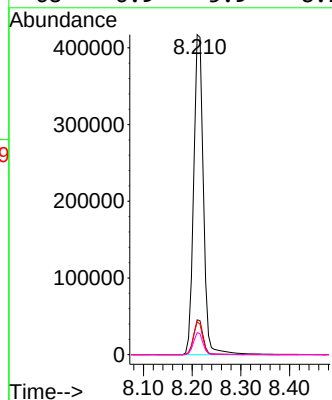
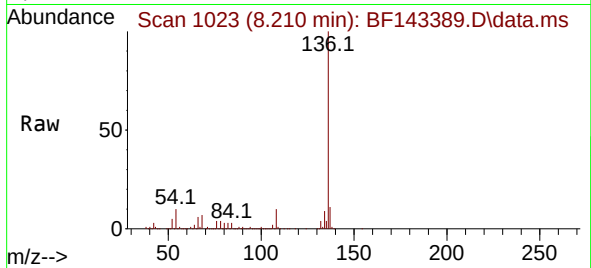




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

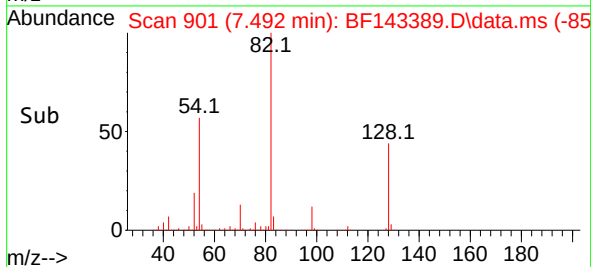
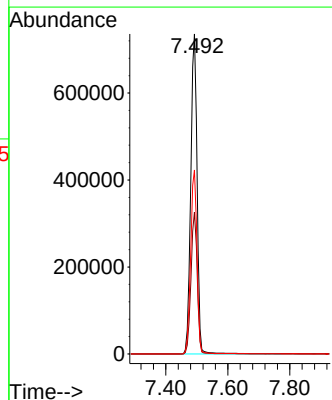
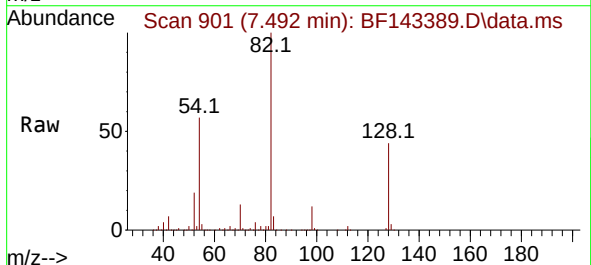
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

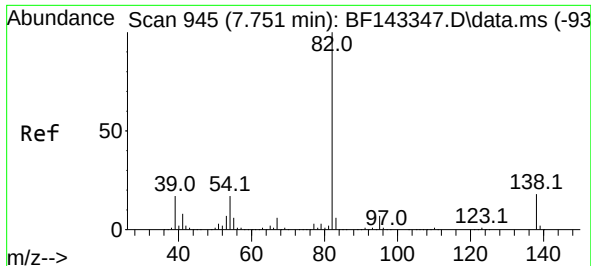
Tgt Ion:	136	Resp:	582588
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.4	12.6
68	6.9	5.9	8.9



#23
Nitrobenzene-d5
Concen: 111.878 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:	82	Resp:	1046655
Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.5	50.3
54	57.5	46.7	70.1

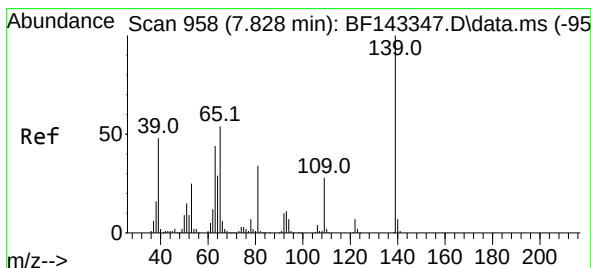
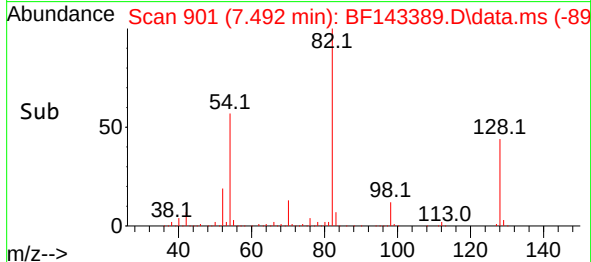
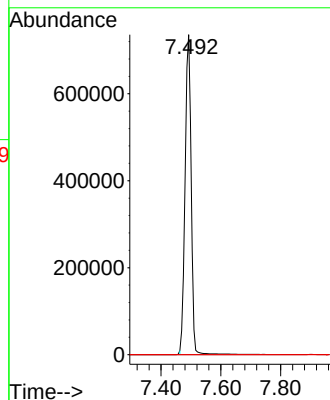
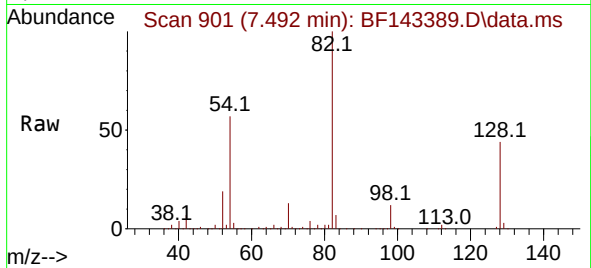




#25
Isophorone
Concen: 54.296 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

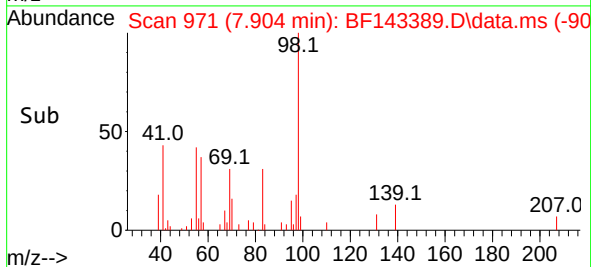
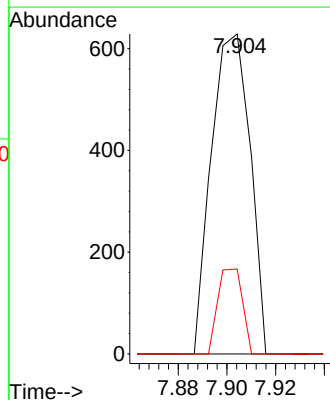
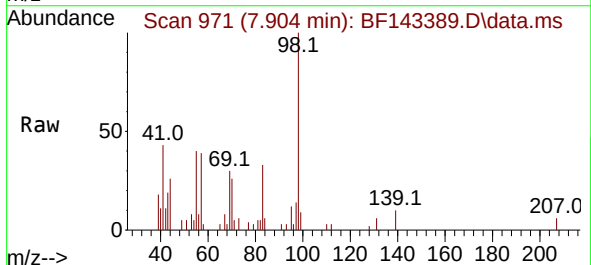
Instrument :
BNA_F
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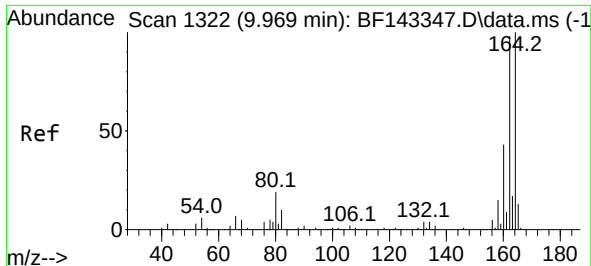
Tgt Ion: 82 Resp: 1036969
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.800 ng
RT: 7.904 min Scan# 971
Delta R.T. 0.076 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:139 Resp: 694
Ion Ratio Lower Upper
139 100
109 0.0 22.4 33.6#
65 26.6 42.9 64.3#

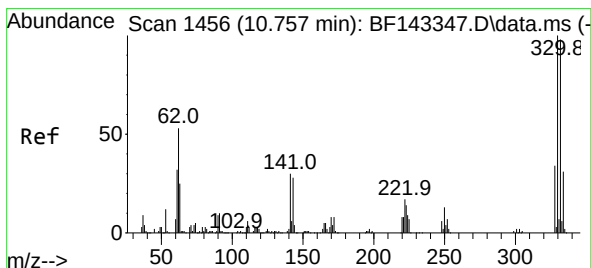
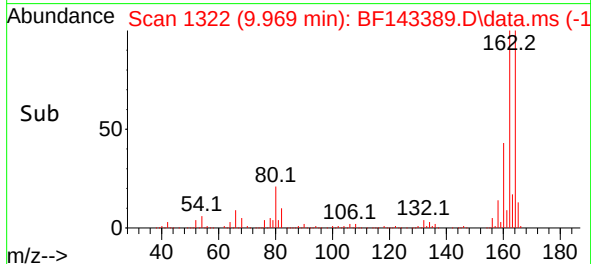
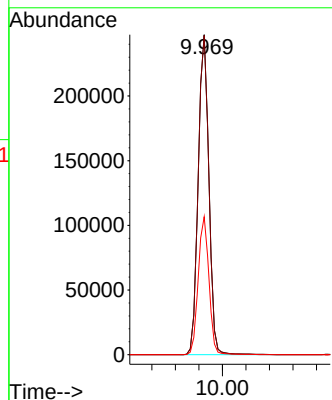
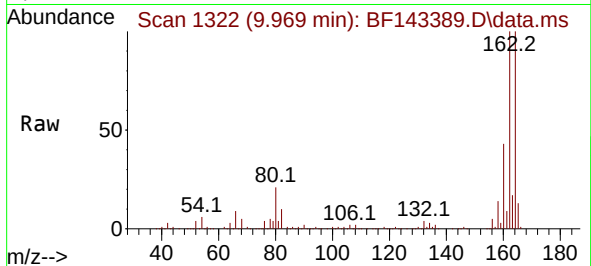




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

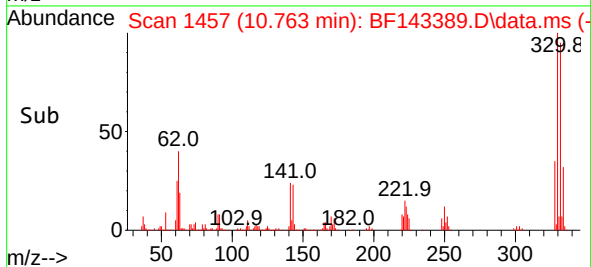
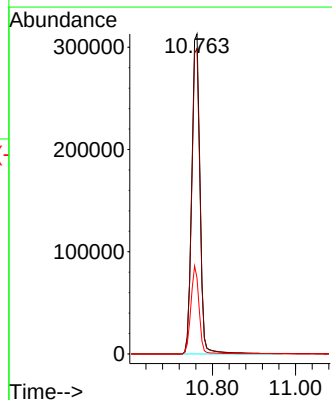
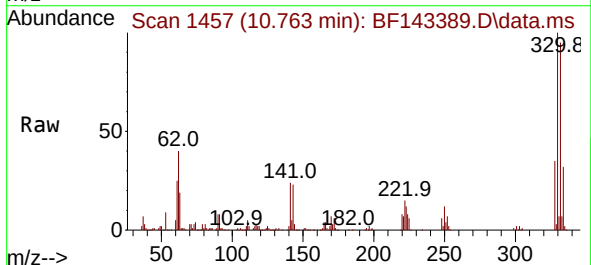
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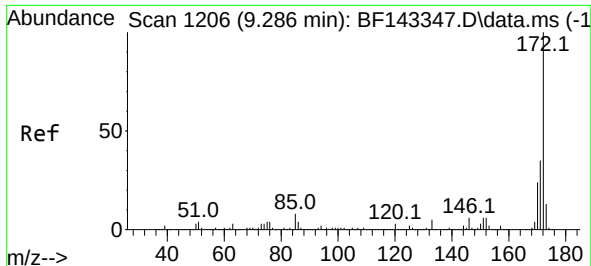
Tgt Ion:164 Resp: 311951
Ion Ratio Lower Upper
164 100
162 99.7 78.6 118.0
160 43.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 188.846 ng
RT: 10.763 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:330 Resp: 430533
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 27.4 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 97.709 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-S

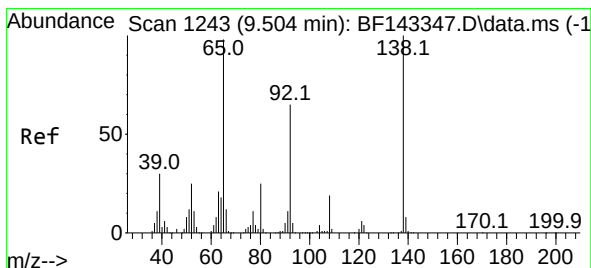
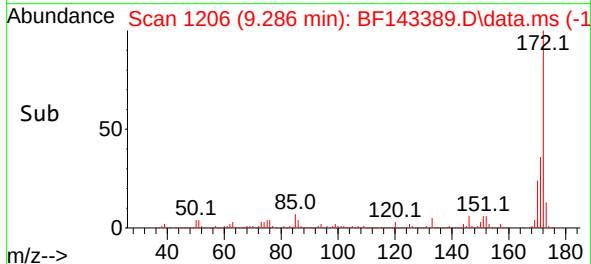
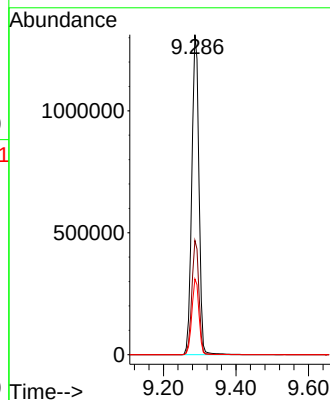
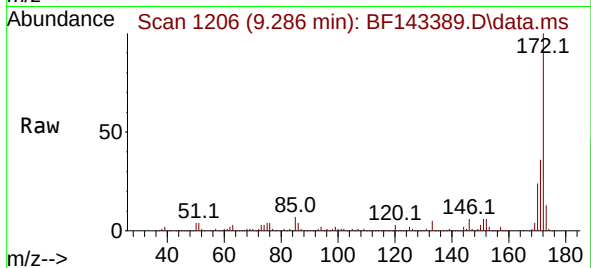
Tgt Ion:172 Resp: 1797454

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.7 19.1 28.7



#48

2-Nitroaniline

Concen: 3.348 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.218 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

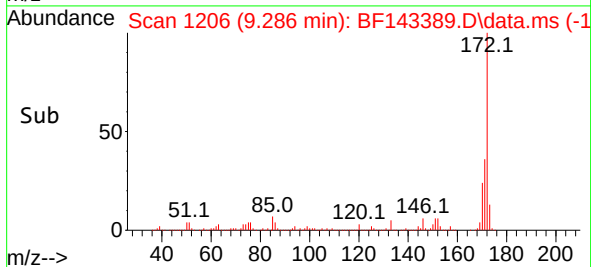
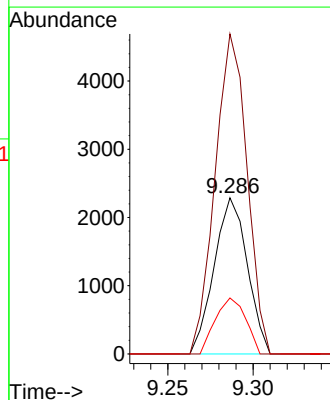
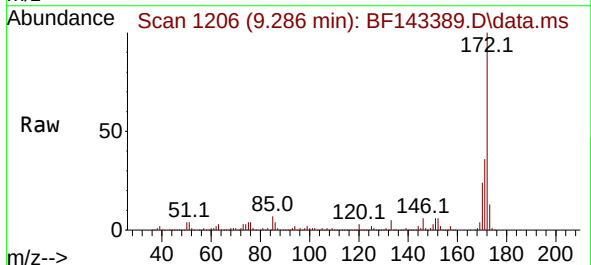
Tgt Ion: 65 Resp: 3096

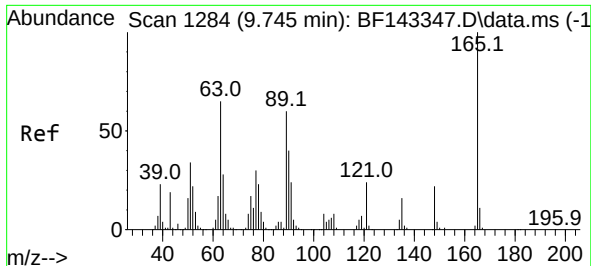
Ion Ratio Lower Upper

65 100

92 204.9 53.1 79.7#

138 35.9 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.784 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.224 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Instrument :

BNA_F

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TW-38M-S

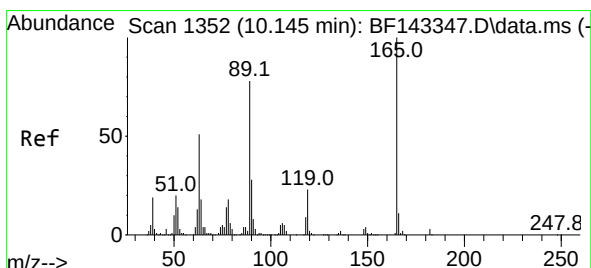
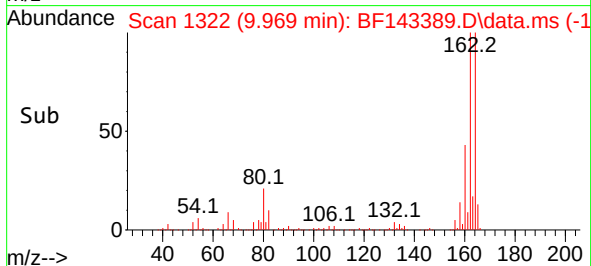
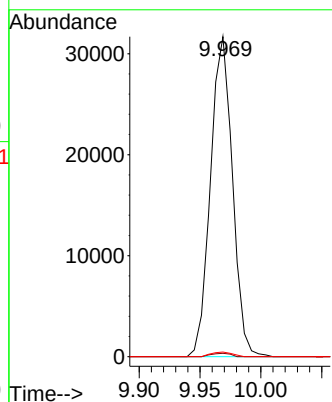
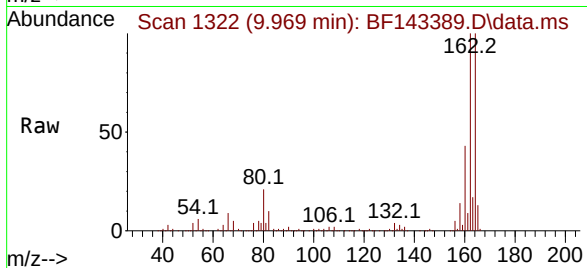
Tgt Ion:165 Resp: 39781

Ion Ratio Lower Upper

165 100

63 1.0 51.6 77.4#

89 1.4 47.7 71.5#



#57

2,4-Dinitrotoluene

Concen: 11.159 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.176 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Tgt Ion:165 Resp: 39781

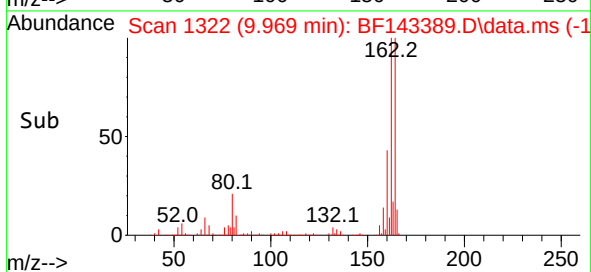
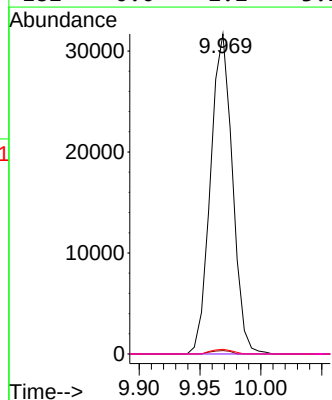
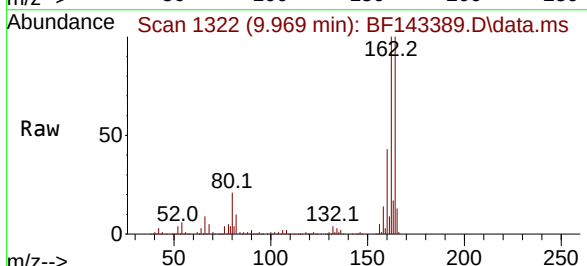
Ion Ratio Lower Upper

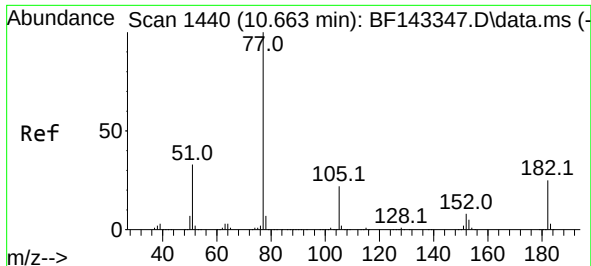
165 100

63 1.0 41.8 62.8#

89 1.4 62.4 93.6#

182 0.0 2.2 3.2#

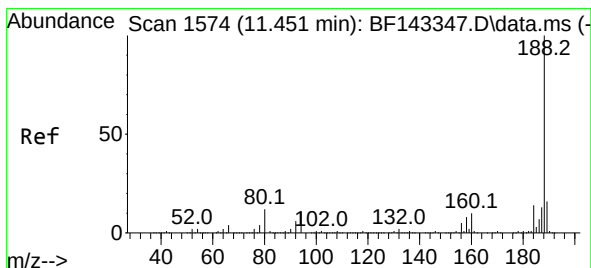
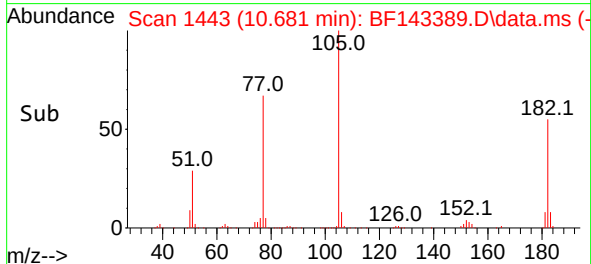
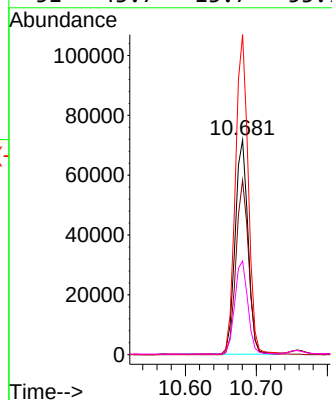
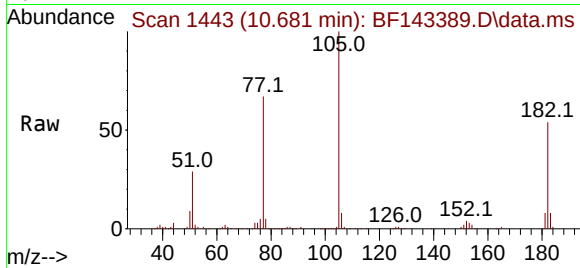




#63
 Azobenzene
 Concen: 4.857 ng
 RT: 10.681 min Scan# 14
 Delta R.T. 0.018 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

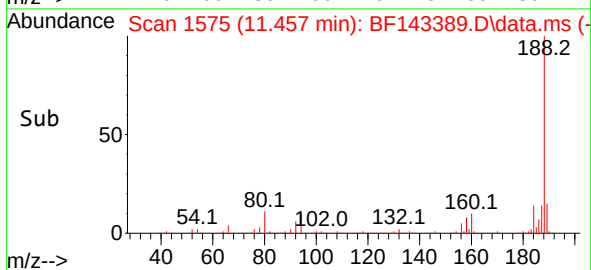
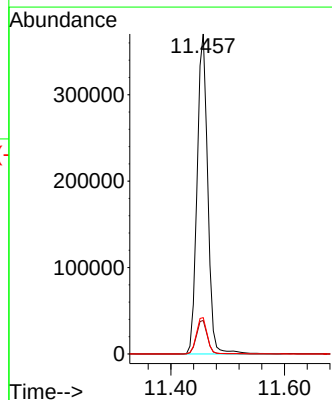
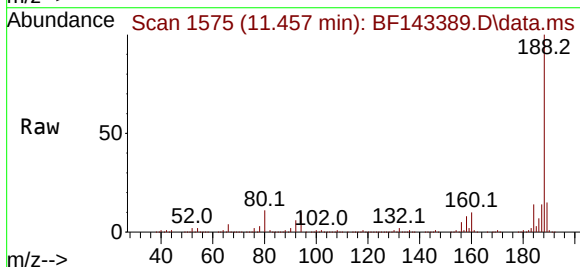
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-S

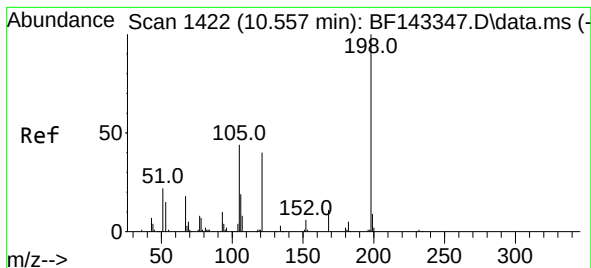
Tgt Ion: 77 Resp: 90584
 Ion Ratio Lower Upper
 77 100
 182 81.2 4.4 44.4#
 105 149.0 1.8 41.8#
 51 43.7 13.7 53.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.457 min Scan# 1575
 Delta R.T. 0.006 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

Tgt Ion: 188 Resp: 484675
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.8 13.2
 80 11.4 9.7 14.5

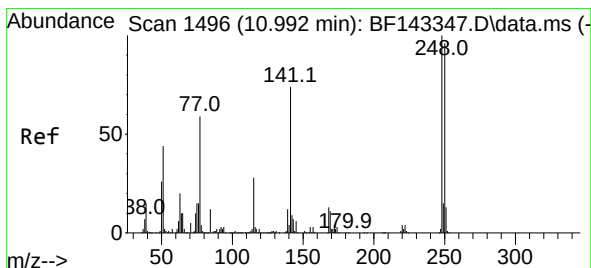
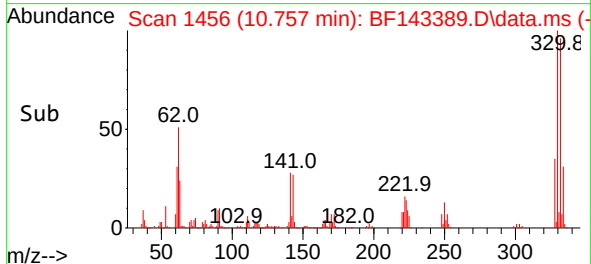
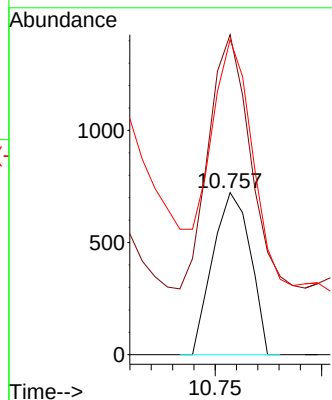
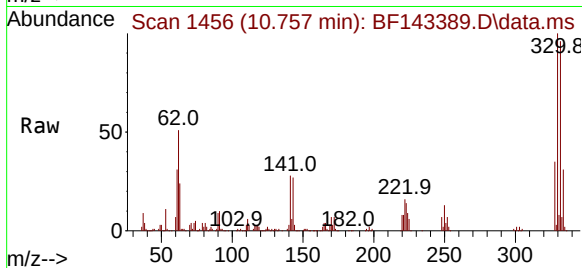




#65
4,6-Dinitro-2-methylphenol
Concen: 7.646 ng
RT: 10.757 min Scan# 1422
Delta R.T. 0.200 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

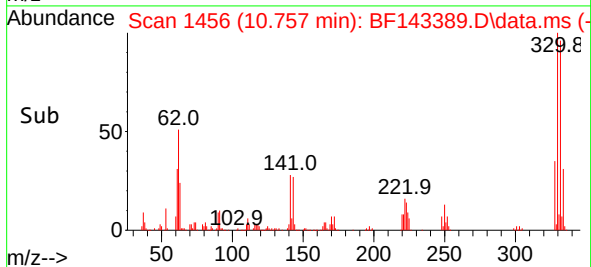
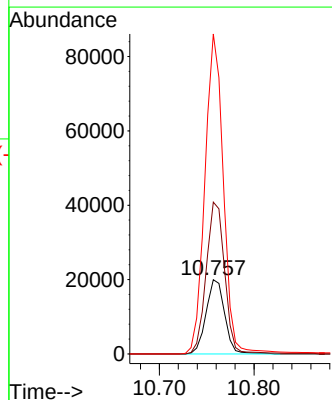
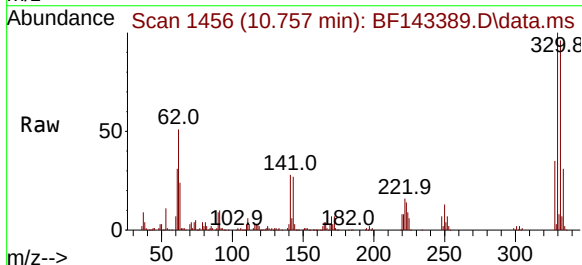
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

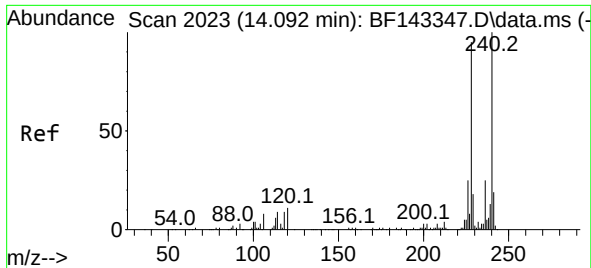
Tgt Ion:198 Resp: 889
Ion Ratio Lower Upper
198 100
51 197.4 41.7 81.7#
105 194.3 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.922 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:248 Resp: 27283
Ion Ratio Lower Upper
248 100
250 204.4 77.1 115.7#
141 430.7 59.1 88.7#

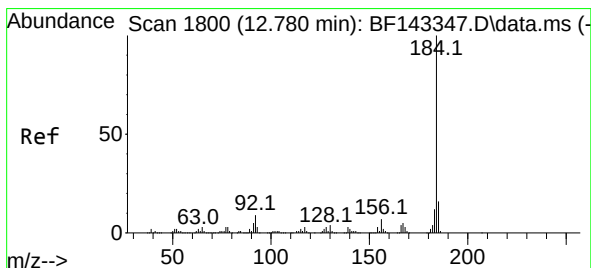
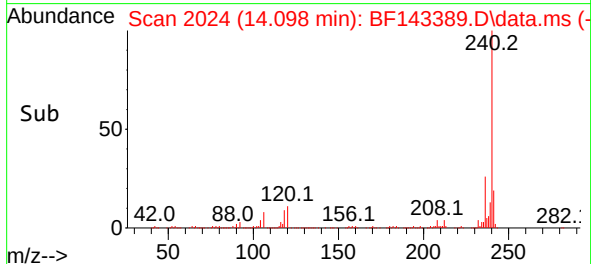
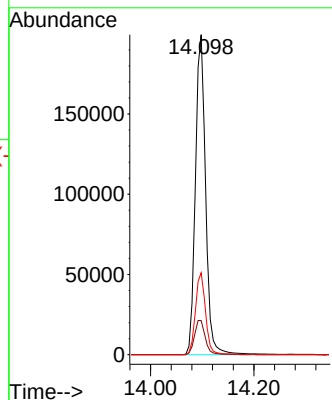
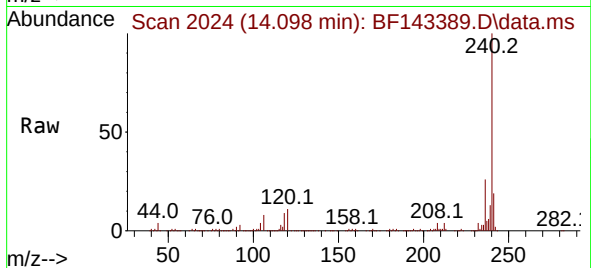




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

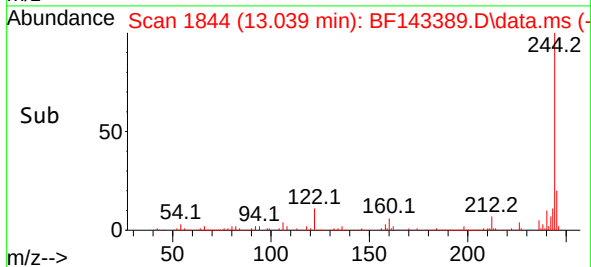
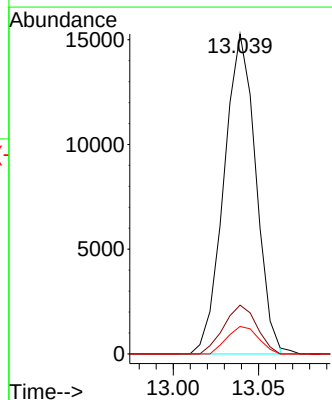
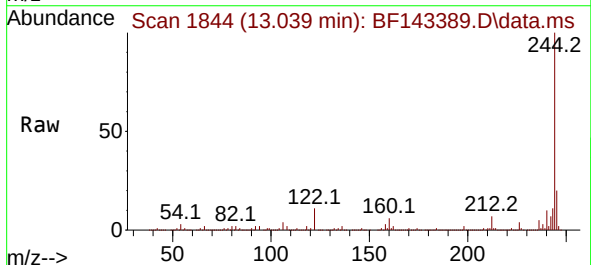
Instrument :
BNA_F
ClientSampleId :
TW-38M-S

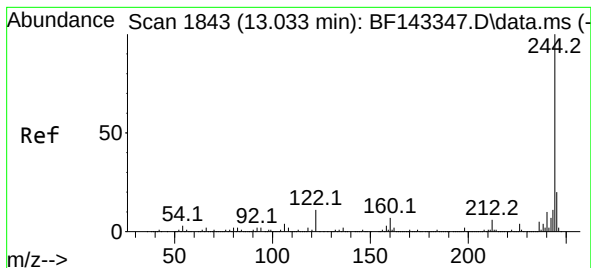
Tgt Ion:240 Resp: 273593
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.6 19.9 29.9



#77
Benzidine
Concen: 2.647 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143389.D
Acq: 14 Aug 2025 18:56

Tgt Ion:184 Resp: 19801
Ion Ratio Lower Upper
184 100
185 15.3 12.8 19.2
183 8.6 9.3 13.9#





#79

Terphenyl-d14

Concen: 109.780 ng

RT: 13.039 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-S

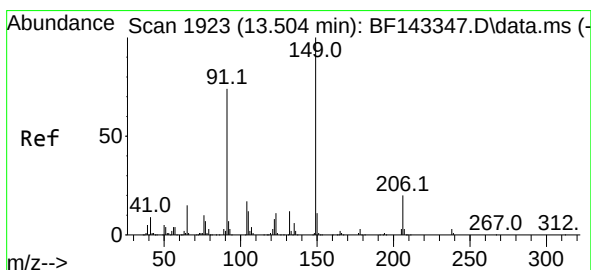
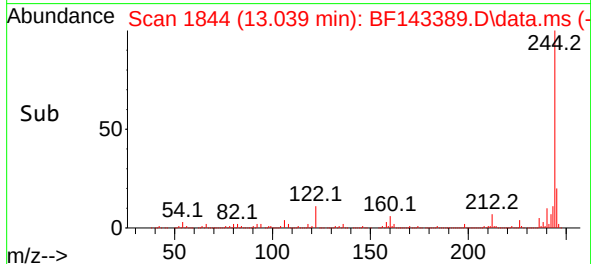
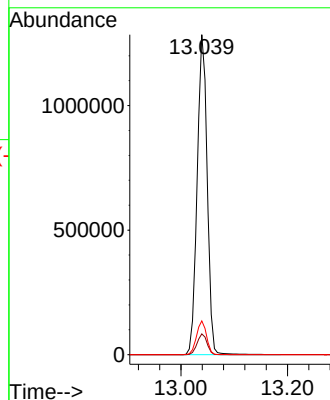
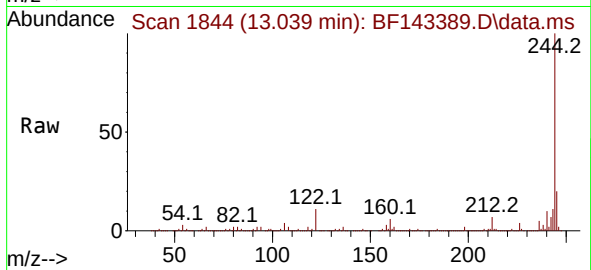
Tgt Ion:244 Resp: 1682318

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.6 8.9 13.3



#80

Butylbenzylphthalate

Concen: 3.429 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143389.D

Acq: 14 Aug 2025 18:56

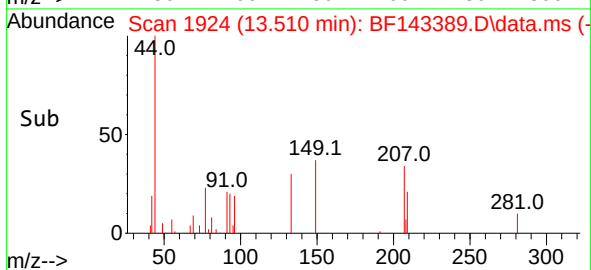
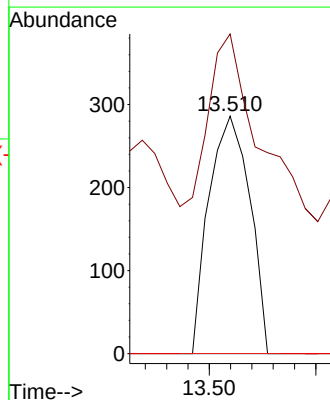
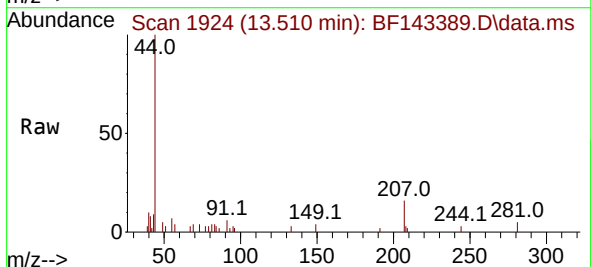
Tgt Ion:149 Resp: 382

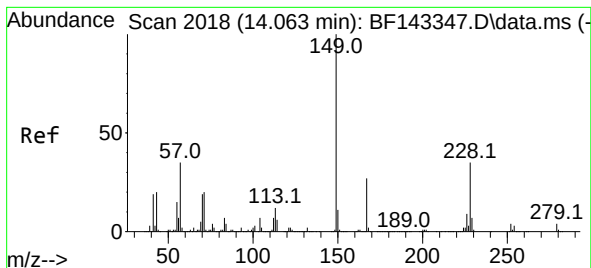
Ion Ratio Lower Upper

149 100

91 134.6 58.8 88.2#

206 0.0 16.4 24.6#

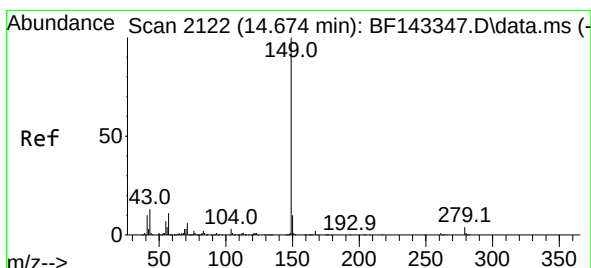
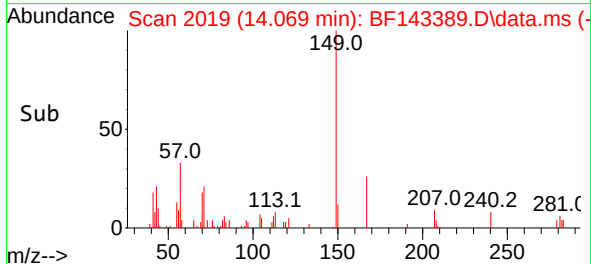
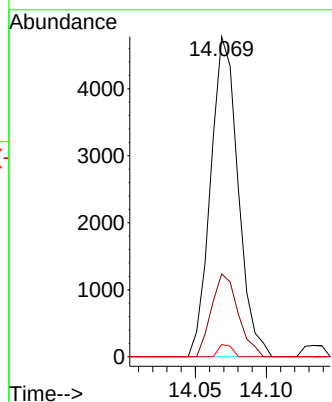
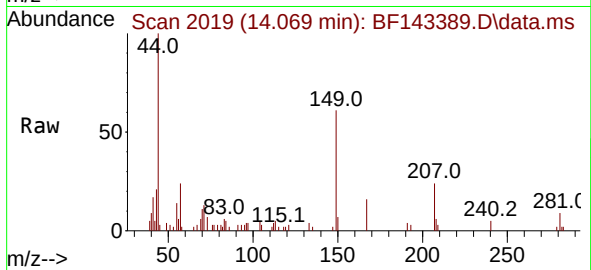




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.871 ng
 RT: 14.069 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

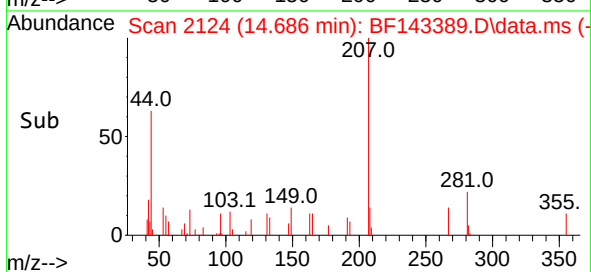
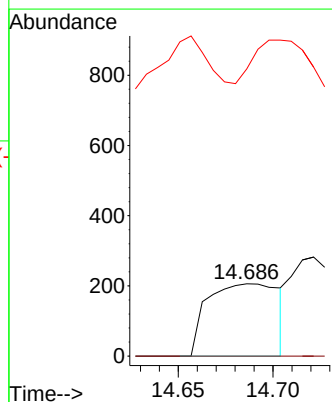
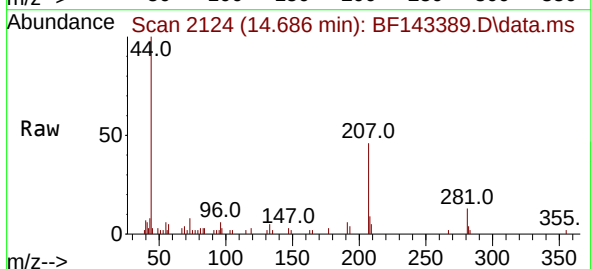
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-S

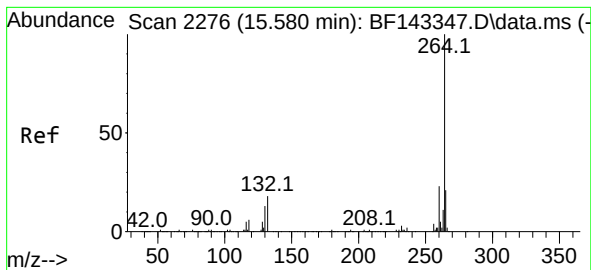
Tgt Ion:149 Resp: 6415
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.4 32.0
 279 3.8 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 6.060 ng
 RT: 14.686 min Scan# 2124
 Delta R.T. 0.012 min
 Lab File: BF143389.D
 Acq: 14 Aug 2025 18:56

Tgt Ion:149 Resp: 538
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 50.4 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: BF143389.D

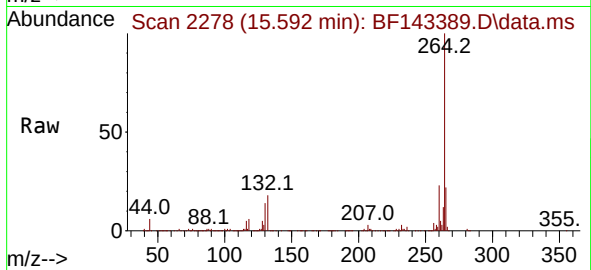
Acq: 14 Aug 2025 18:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-S



Tgt Ion:264 Resp: 288235

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.9 17.2 25.8

