

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143387.D
 Acq On : 14 Aug 2025 17:56
 Operator : RC/JU
 Sample : Q2814-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-W

Quant Time: Aug 14 18:20:14 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

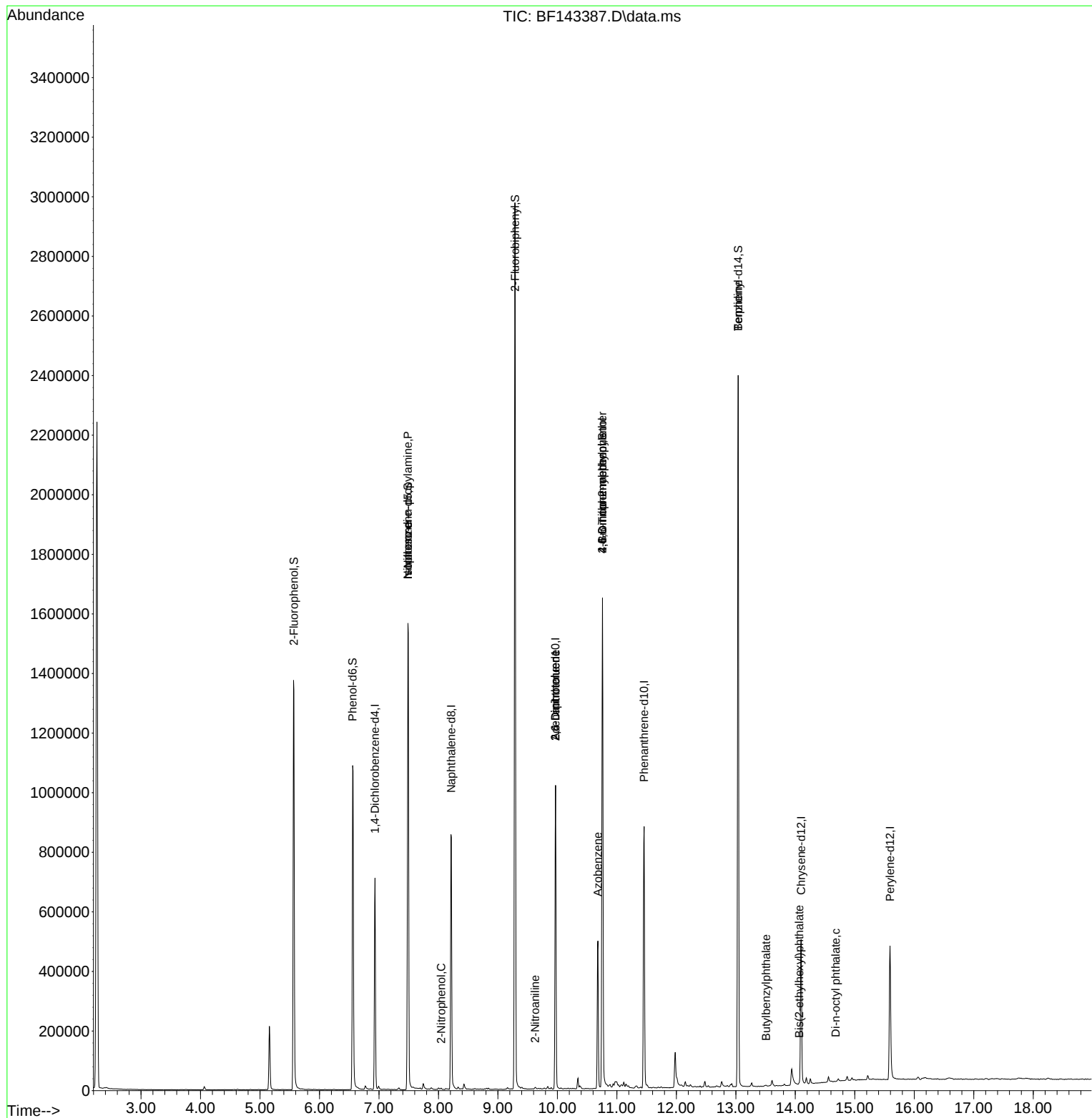
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	147629	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	565548	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	301521	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	461596	20.000	ng	0.00
76) Chrysene-d12	14.098	240	251187	20.000	ng	0.00
86) Perylene-d12	15.592	264	284292	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	523626	61.335	ng	0.00
7) Phenol-d6	6.557	99	514533	46.999	ng	0.00
23) Nitrobenzene-d5	7.487	82	720581	79.345	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	291749	132.398	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1317083	74.073	ng	0.00
79) Terphenyl-d14	13.039	244	1155749	82.146	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.487	70	97875	14.469	ng	# 80
25) Isophorone	7.487	82	695702	37.525	ng	# 65
26) 2-Nitrophenol	8.045	139	402	3.736	ng	# 32
48) 2-Nitroaniline	9.628	65	110	2.787	ng	# 6
51) 2,6-Dinitrotoluene	9.969	165	38589	13.823	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	38589	11.188	ng	# 20
63) Azobenzene	10.681	77	128473	7.127	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	574	7.522	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	19088	3.616	ng	# 1
77) Benzidine	13.039	184	13786	2.007	ng	# 94
80) Butylbenzylphthalate	13.510	149	497	3.462	ng	# 38
84) Bis(2-ethylhexyl)phtha...	14.069	149	2812	4.411	ng	# 95
85) Di-n-octyl phthalate	14.680	149	708	6.075	ng	# 70

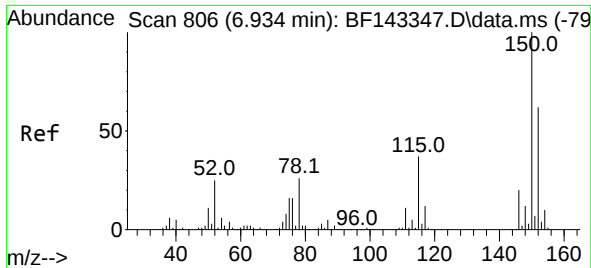
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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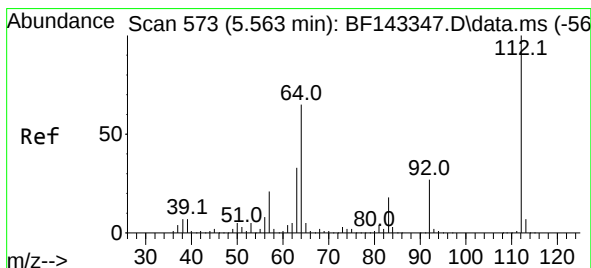
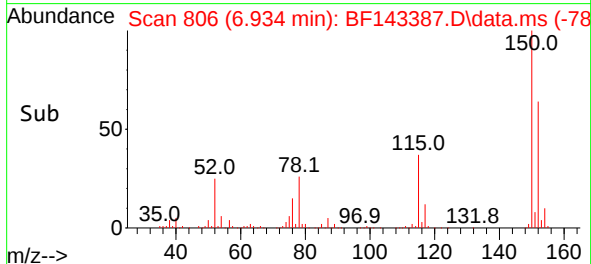
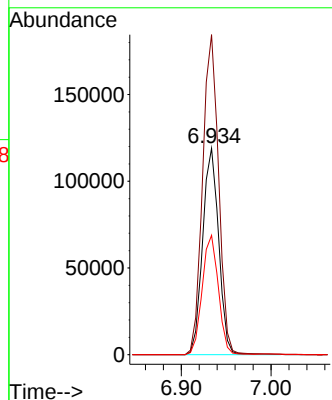
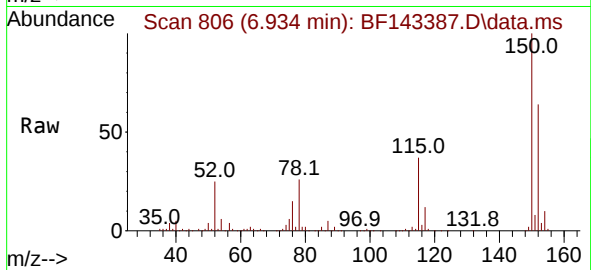




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

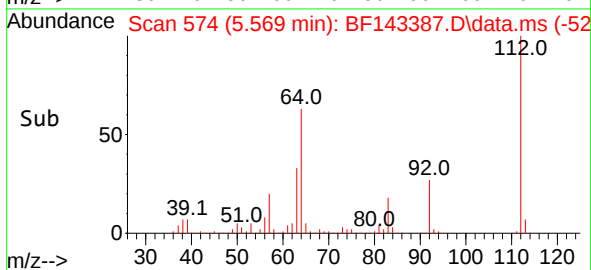
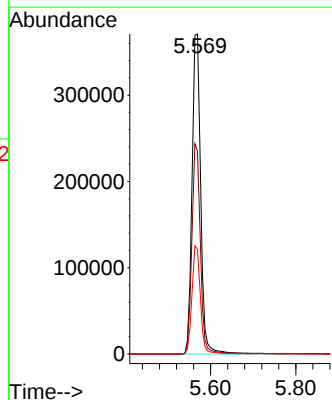
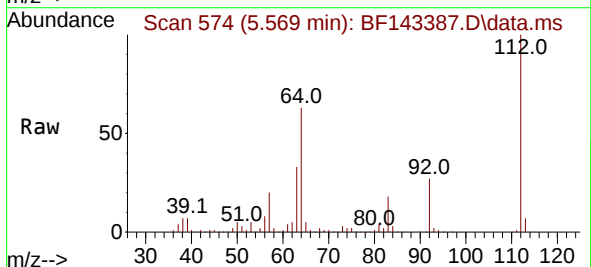
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 TW-38M-W

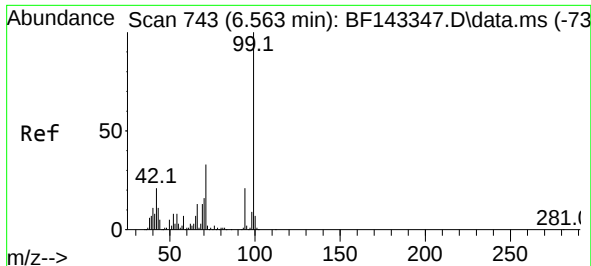
Tgt Ion:152 Resp: 147629
 Ion Ratio Lower Upper
 152 100
 150 155.1 129.8 194.8
 115 57.9 47.8 71.8



#5
 2-Fluorophenol
 Concen: 61.335 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

Tgt Ion:112 Resp: 523626
 Ion Ratio Lower Upper
 112 100
 64 63.4 52.1 78.1
 63 32.7 26.6 39.8





#7
Phenol-d6
Concen: 46.999 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

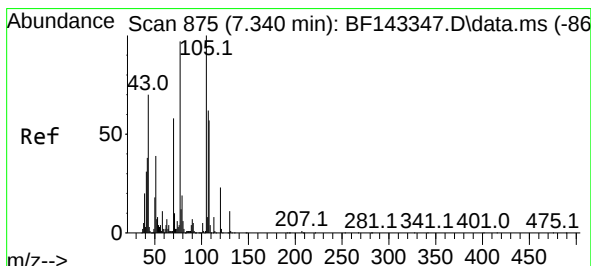
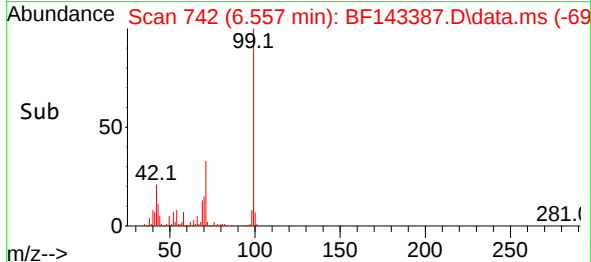
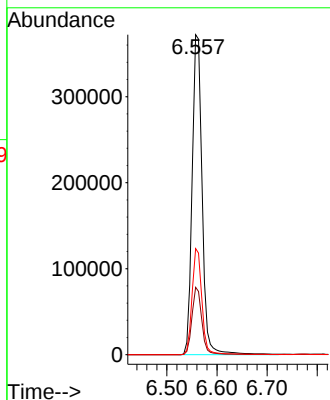
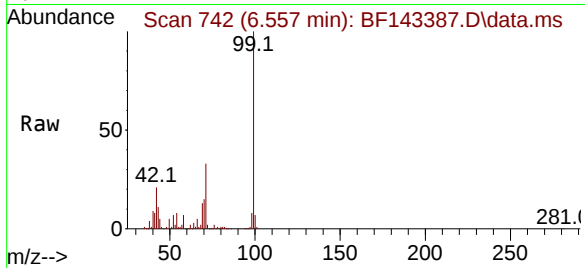
Instrument :

BNA_F

ClientSampleId :

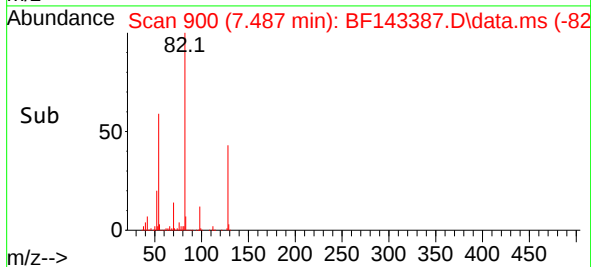
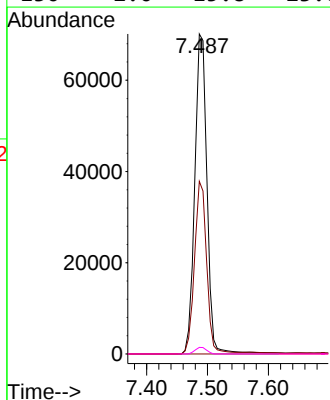
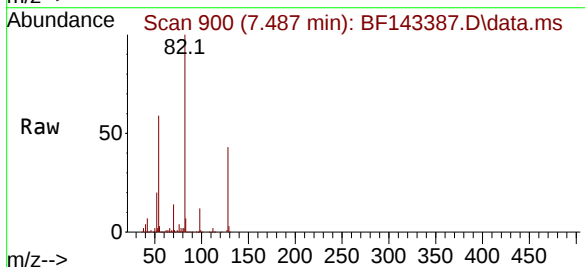
TW-38M-W

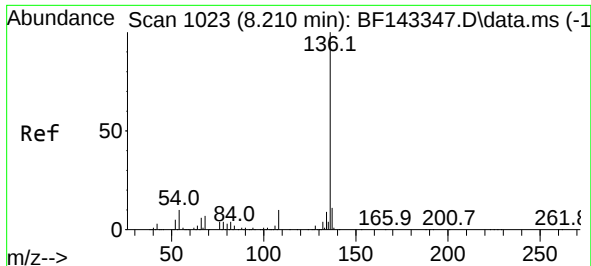
Tgt Ion: 99 Resp: 514533
Ion Ratio Lower Upper
99 100
42 21.0 16.6 25.0
71 33.2 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.469 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion: 70 Resp: 97875
Ion Ratio Lower Upper
70 100
42 54.0 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#

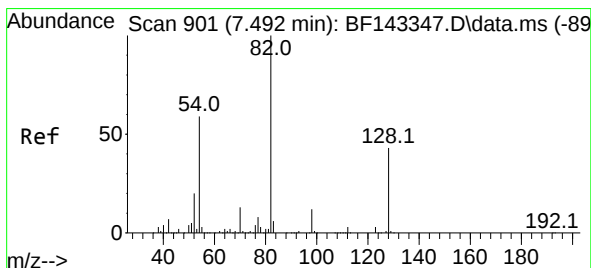
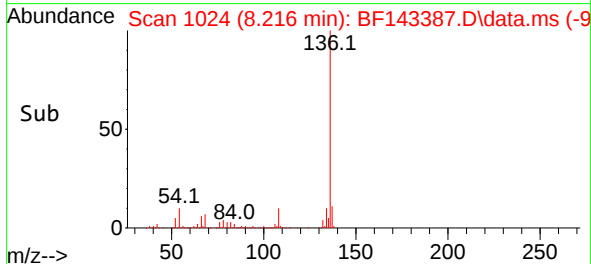
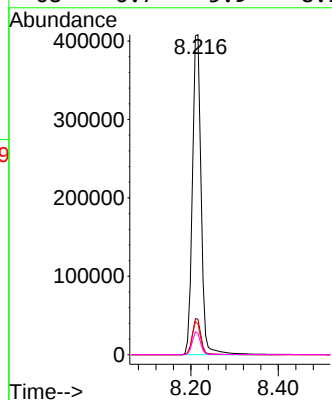
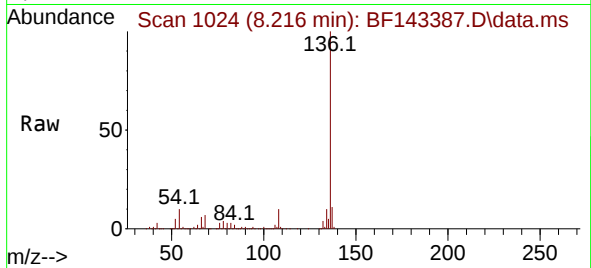




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

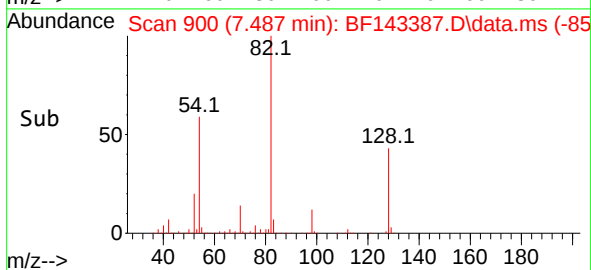
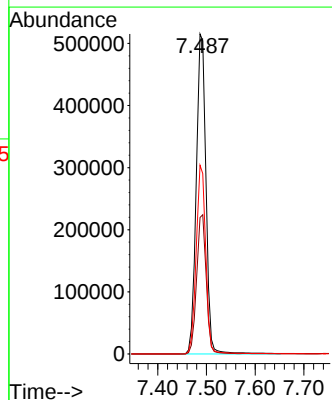
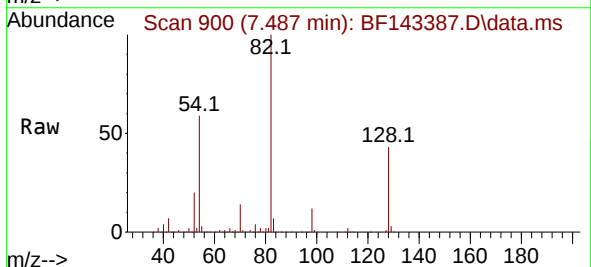
Instrument :
BNA_F
ClientSampleId :
TW-38M-W

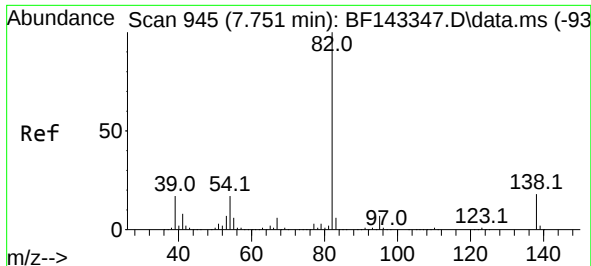
Tgt Ion:	136	Resp:	565548
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.6	8.4	12.6
68	6.7	5.9	8.9



#23
Nitrobenzene-d5
Concen: 79.345 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion:	82	Resp:	720581
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.5	50.3
54	59.0	46.7	70.1

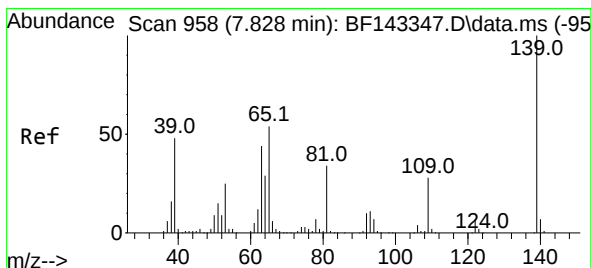
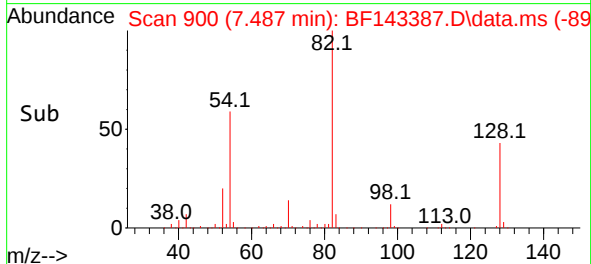
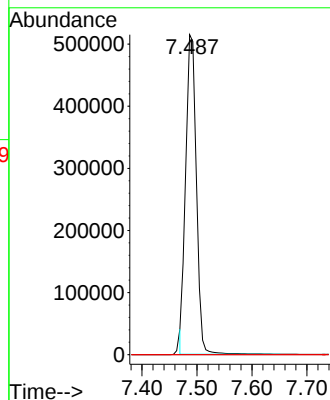
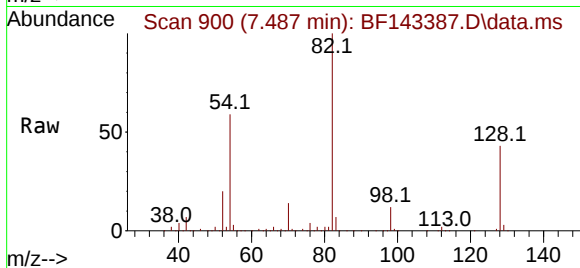




#25
Isophorone
Concen: 37.525 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

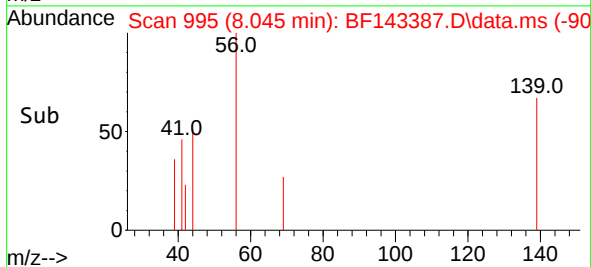
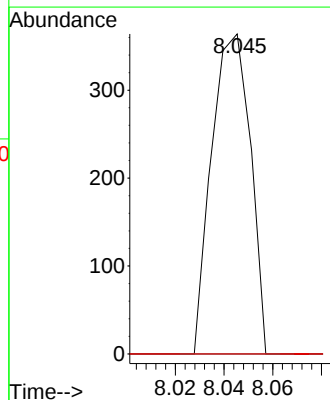
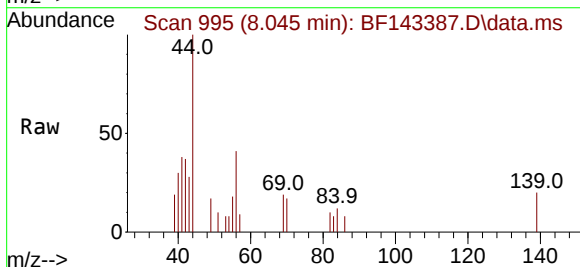
Instrument :
BNA_F
ClientSampleId :
TW-38M-W

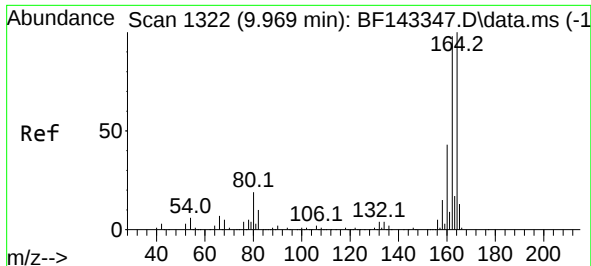
Tgt Ion: 82 Resp: 695702
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.736 ng
RT: 8.045 min Scan# 995
Delta R.T. 0.217 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

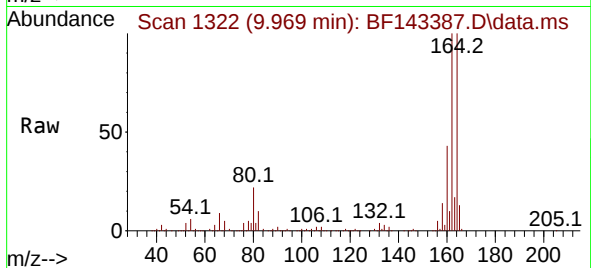
Tgt Ion:139 Resp: 402
Ion Ratio Lower Upper
139 100
109 0.0 22.4 33.6#
65 0.0 42.9 64.3#



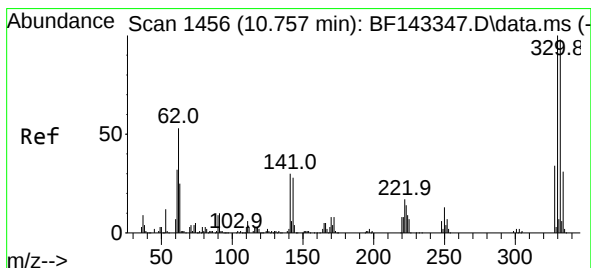
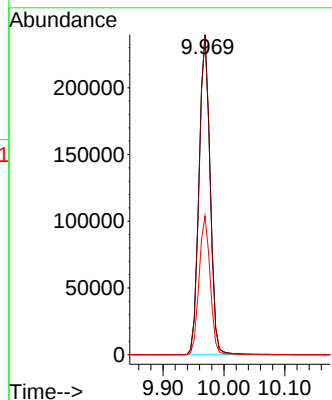
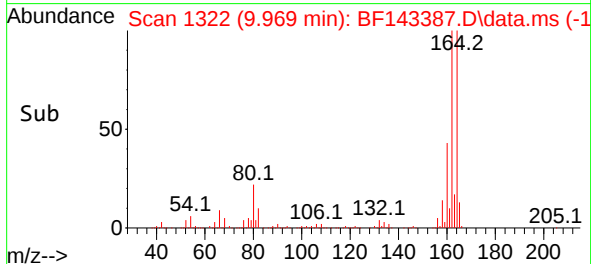


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

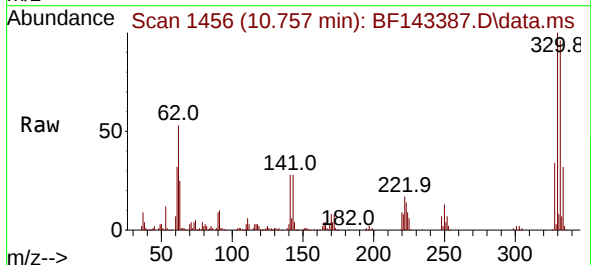
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ClientSampleId :
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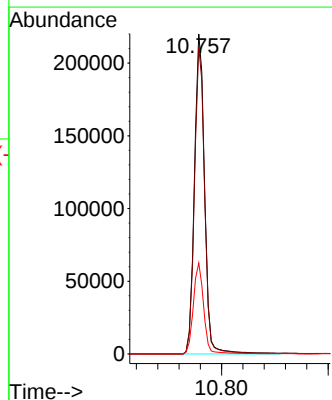
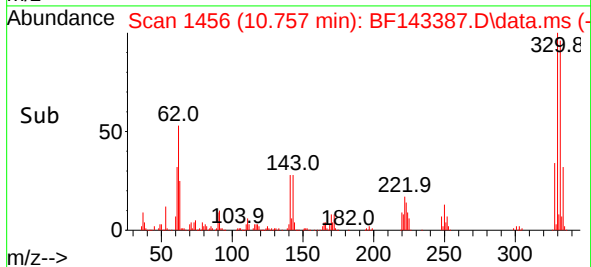
Tgt Ion:164 Resp: 301521
Ion Ratio Lower Upper
164 100
162 100.0 78.6 118.0
160 43.4 34.4 51.6

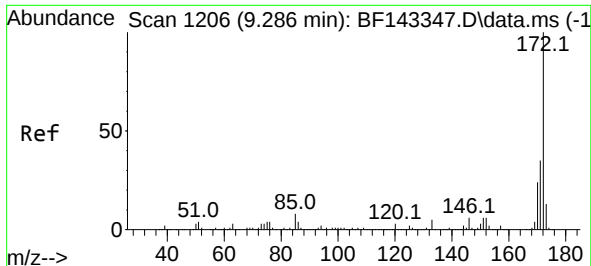


#42
2,4,6-Tribromophenol
Concen: 132.398 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56



Tgt Ion:330 Resp: 291749
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 29.3 25.4 38.0

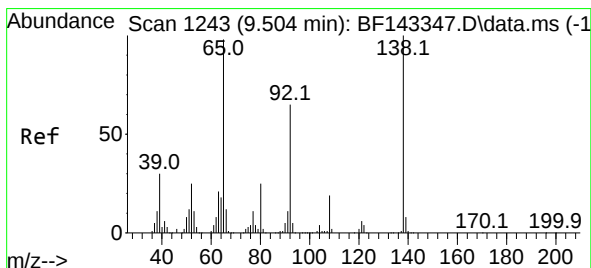
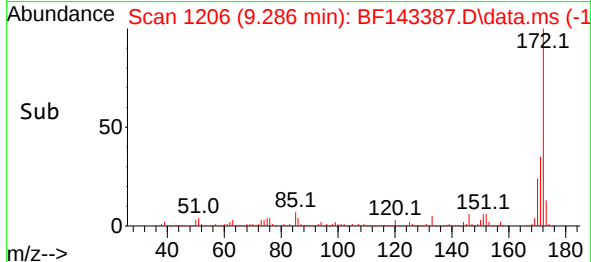
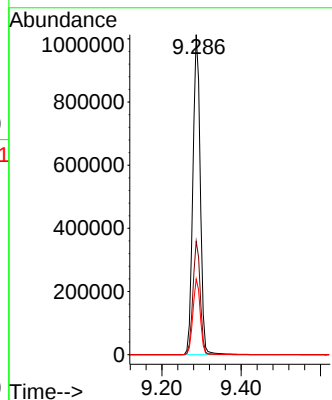
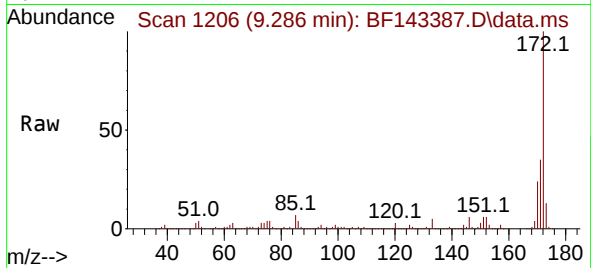




#45
2-Fluorobiphenyl
Concen: 74.073 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

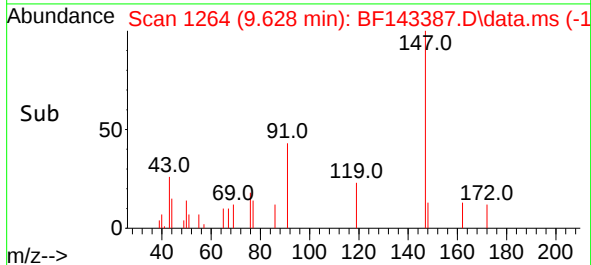
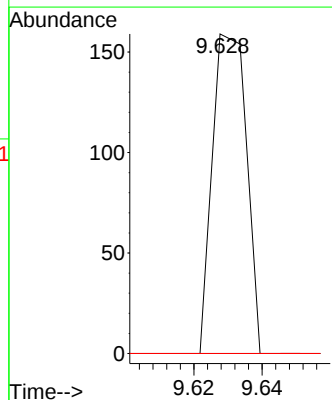
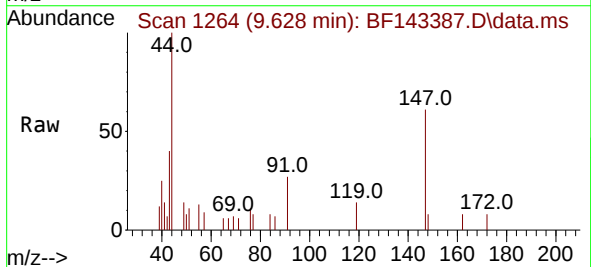
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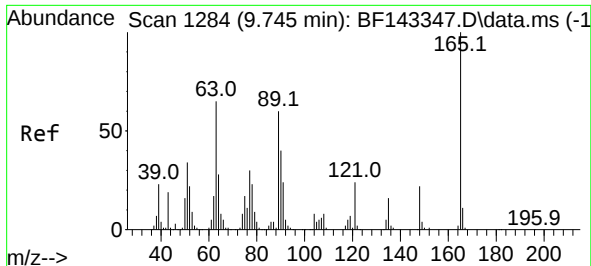
Tgt Ion:172 Resp: 1317083
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.7 19.1 28.7



#48
2-Nitroaniline
Concen: 2.787 ng
RT: 9.628 min Scan# 1264
Delta R.T. 0.124 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion: 65 Resp: 110
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#

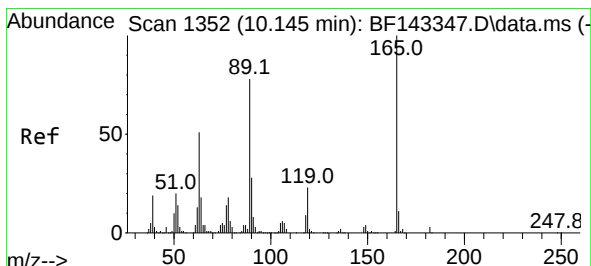
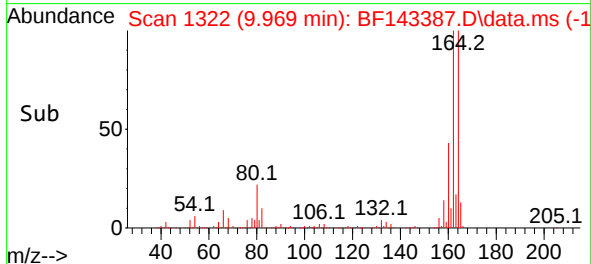
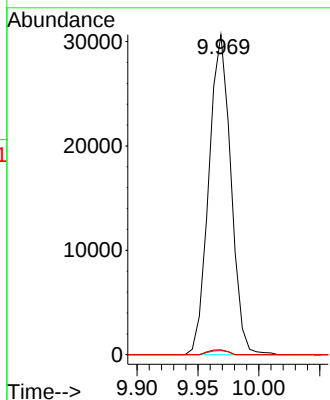
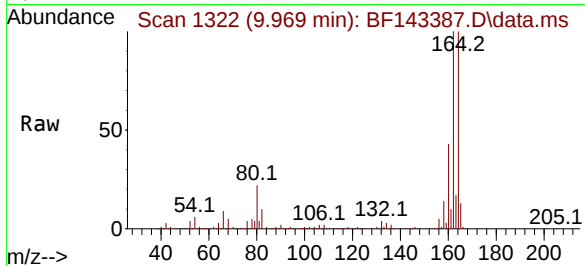




#51
2,6-Dinitrotoluene
Concen: 13.823 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

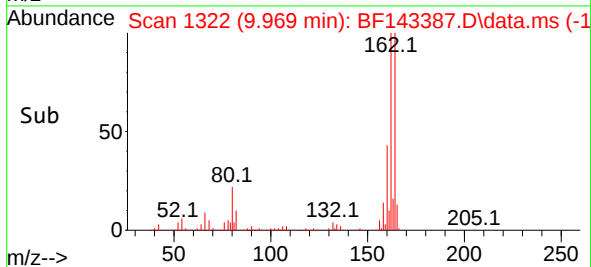
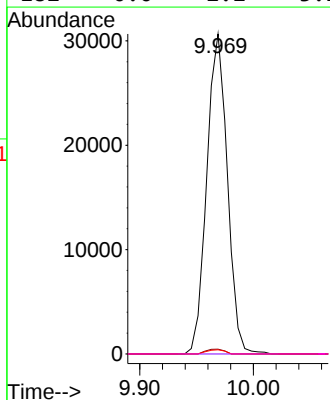
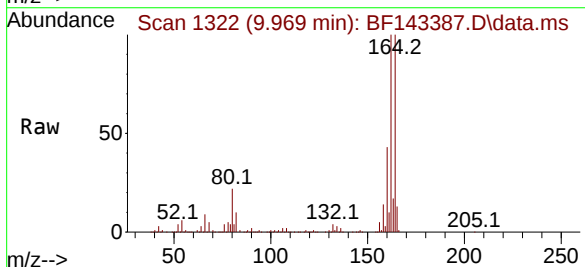
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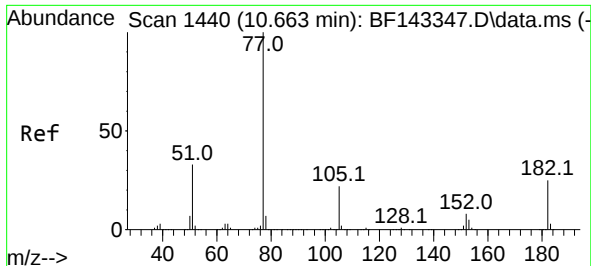
Tgt Ion:165 Resp: 38589
Ion Ratio Lower Upper
165 100
63 1.5 51.6 77.4#
89 1.3 47.7 71.5#



#57
2,4-Dinitrotoluene
Concen: 11.188 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion:165 Resp: 38589
Ion Ratio Lower Upper
165 100
63 1.5 41.8 62.8#
89 1.3 62.4 93.6#
182 0.0 2.2 3.2#



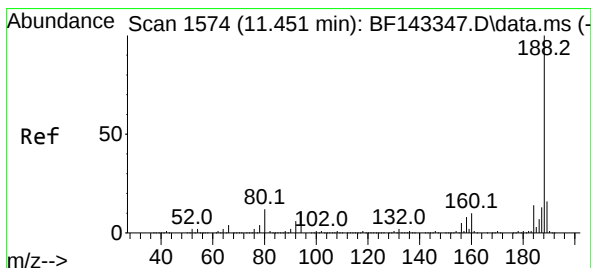
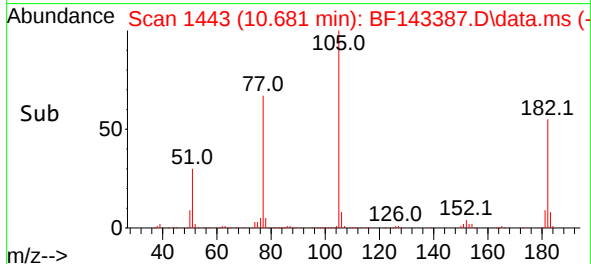
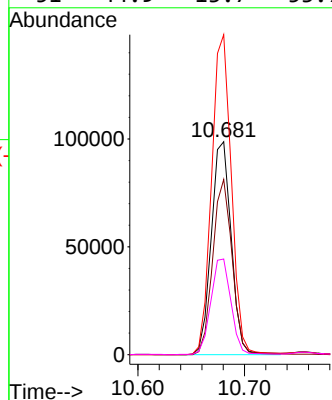
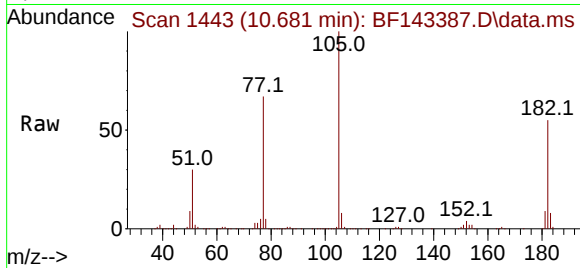


#63
 Azobenzene
 Concen: 7.127 ng
 RT: 10.681 min Scan# 1443
 Delta R.T. 0.018 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-W

Tgt Ion: 77 Resp: 128473

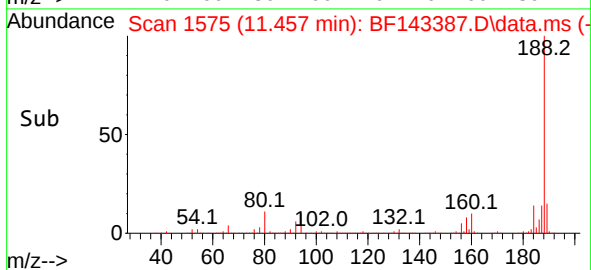
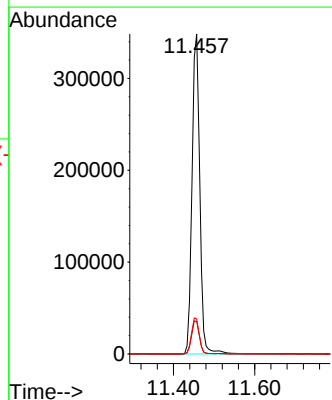
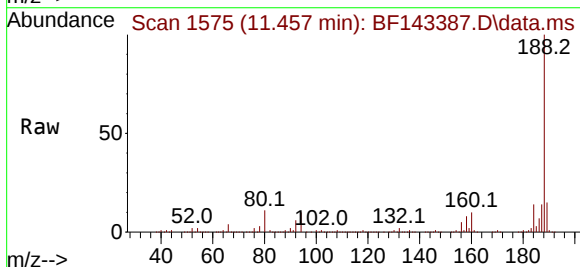
Ion	Ratio	Lower	Upper
77	100		
182	82.3	4.4	44.4#
105	150.2	1.8	41.8#
51	44.9	13.7	53.7

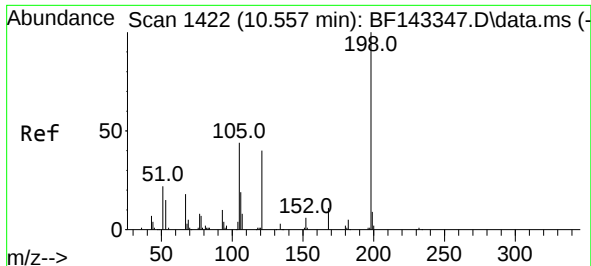


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.457 min Scan# 1575
 Delta R.T. 0.006 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

Tgt Ion: 188 Resp: 461596

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.8	13.2
80	10.9	9.7	14.5

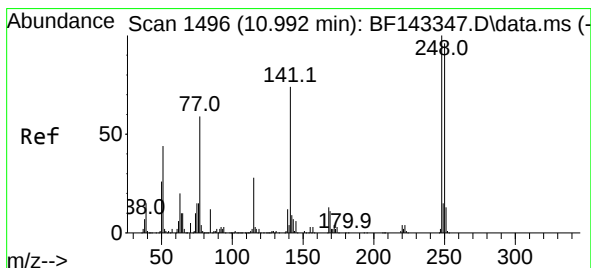
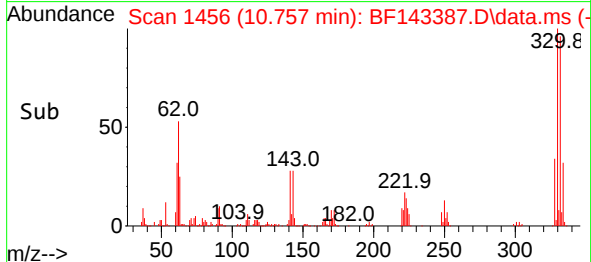
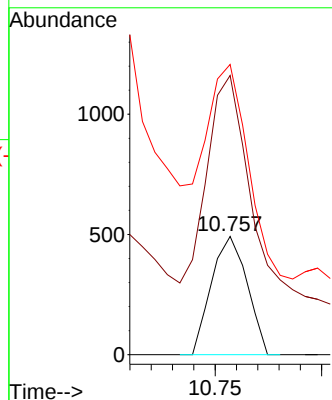
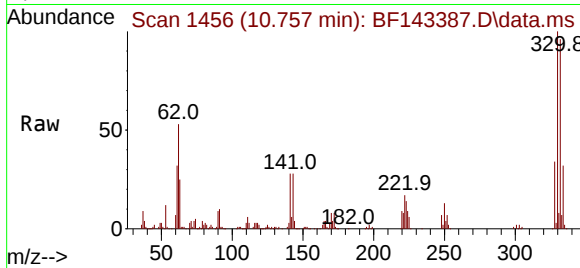




#65
4,6-Dinitro-2-methylphenol
Concen: 7.522 ng
RT: 10.757 min Scan# 1422
Delta R.T. 0.200 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

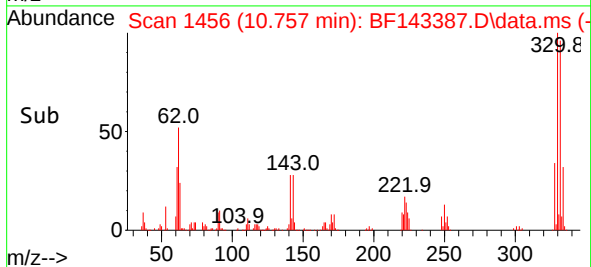
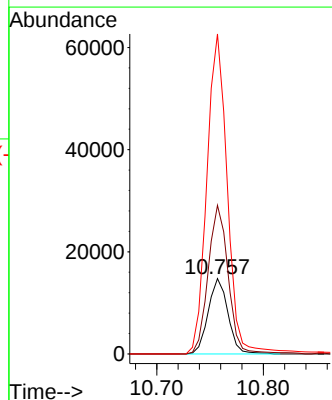
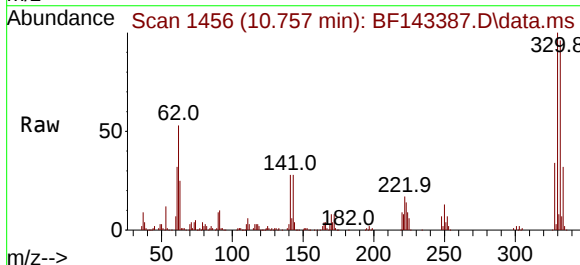
Instrument :
BNA_F
ClientSampleId :
TW-38M-W

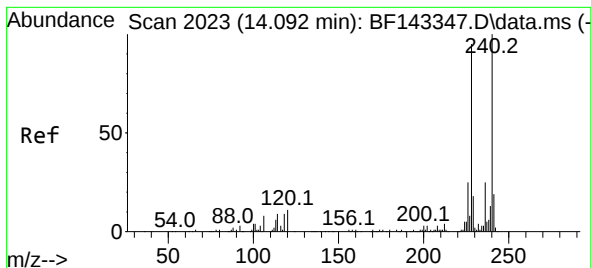
Tgt Ion:198 Resp: 574
Ion Ratio Lower Upper
198 100
51 236.0 41.7 81.7#
105 245.3 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.616 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143387.D
Acq: 14 Aug 2025 17:56

Tgt Ion:248 Resp: 19088
Ion Ratio Lower Upper
248 100
250 197.4 77.1 115.7#
141 424.9 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: BF143387.D

Acq: 14 Aug 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-W

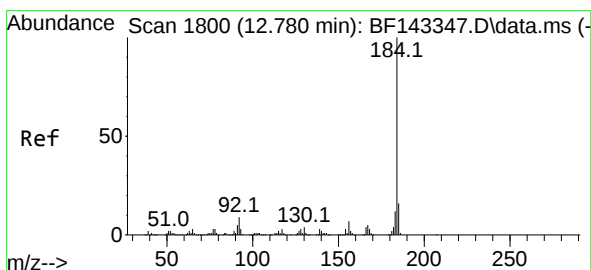
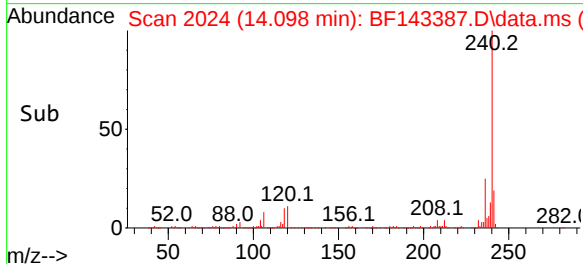
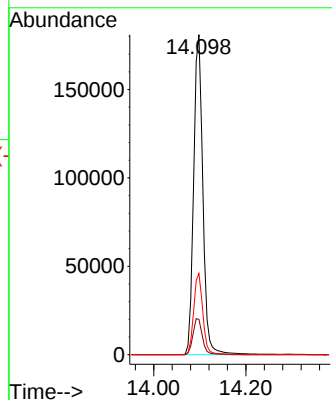
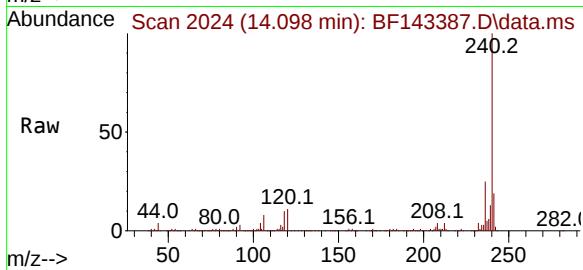
Tgt Ion:240 Resp: 251187

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.6

236 25.4 19.9 29.9



#77

Benzdine

Concen: 2.007 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

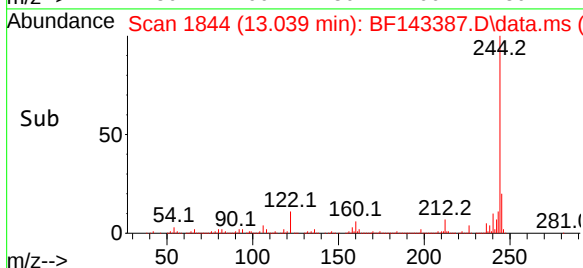
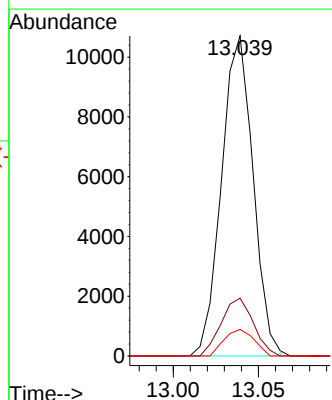
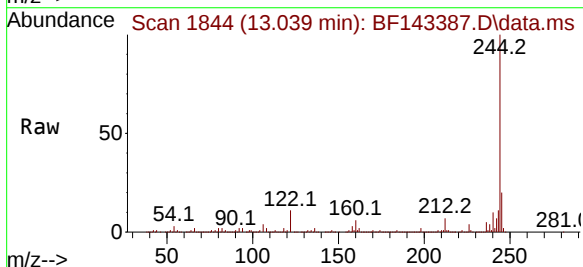
Tgt Ion:184 Resp: 13786

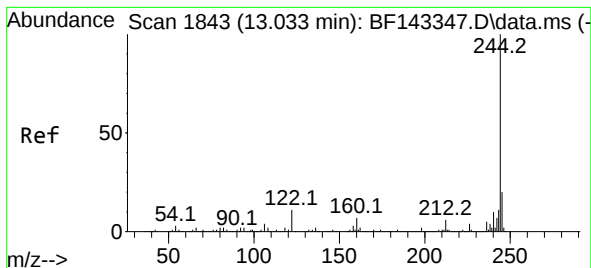
Ion Ratio Lower Upper

184 100

185 18.0 12.8 19.2

183 8.3 9.3 13.9#





#79

Terphenyl-d14

Concen: 82.146 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-W

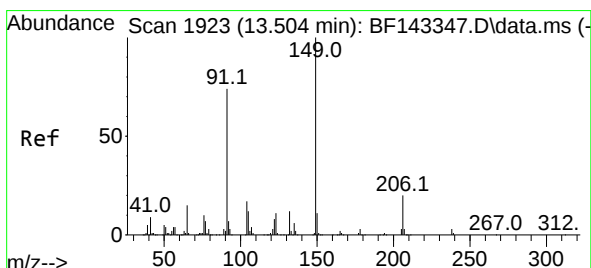
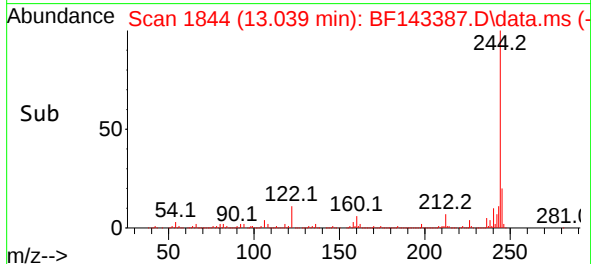
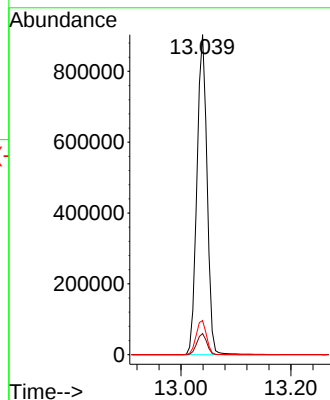
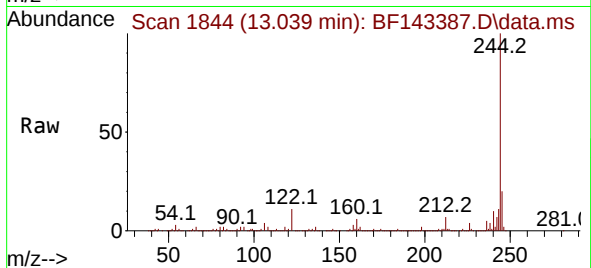
Tgt Ion:244 Resp: 1155749

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.7 8.9 13.3



#80

Butylbenzylphthalate

Concen: 3.462 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143387.D

Acq: 14 Aug 2025 17:56

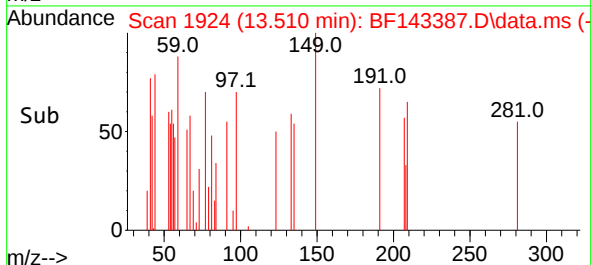
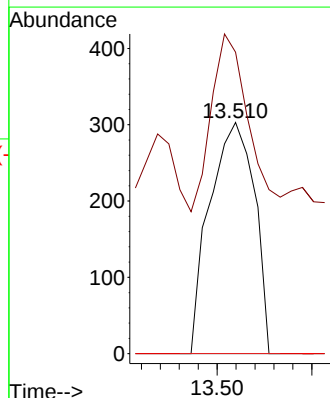
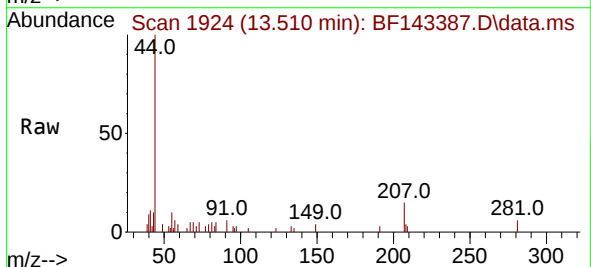
Tgt Ion:149 Resp: 497

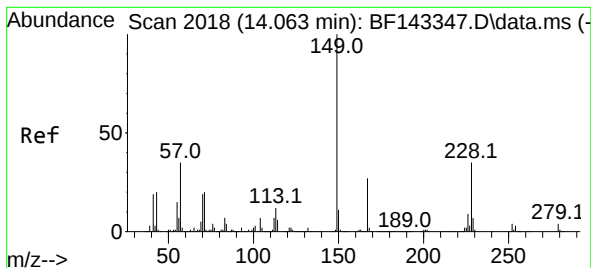
Ion Ratio Lower Upper

149 100

91 130.4 58.8 88.2#

206 0.0 16.4 24.6#

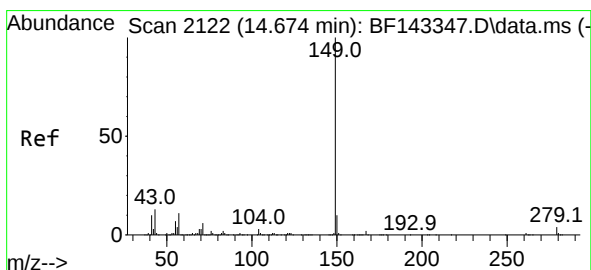
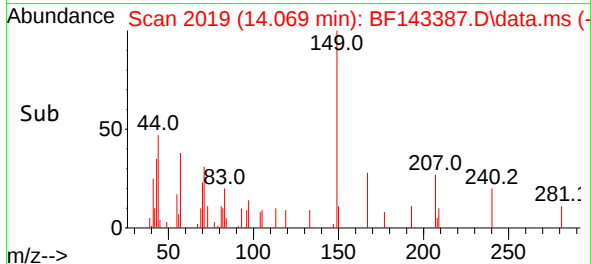
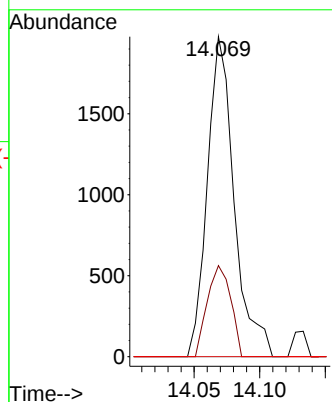
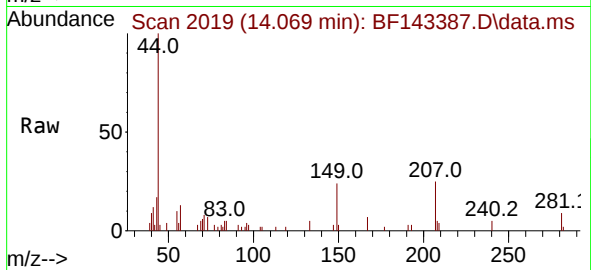




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.411 ng
 RT: 14.069 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

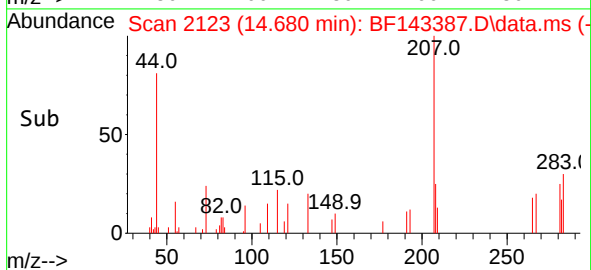
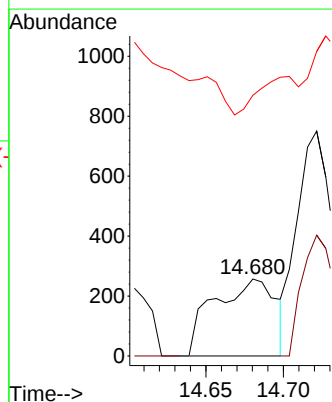
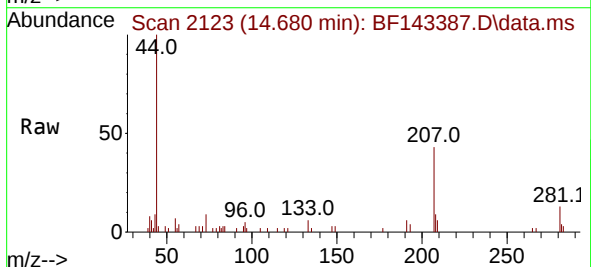
Instrument :
 BNA_F
 ClientSampleId :
 TW-38M-W

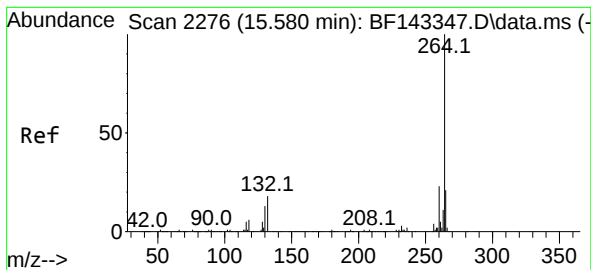
Tgt Ion:149 Resp: 2812
 Ion Ratio Lower Upper
 149 100
 167 28.4 21.4 32.0
 279 0.0 3.2 4.8#



#85
 Di-n-octyl phthalate
 Concen: 6.075 ng
 RT: 14.680 min Scan# 2123
 Delta R.T. 0.006 min
 Lab File: BF143387.D
 Acq: 14 Aug 2025 17:56

Tgt Ion:149 Resp: 708
 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: BF143387.D

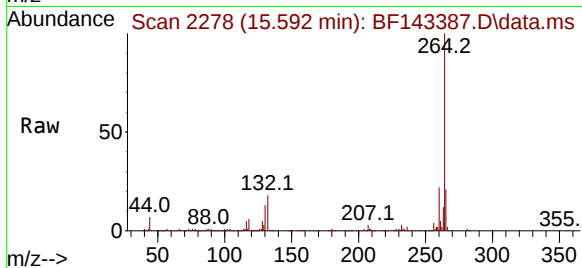
Acq: 14 Aug 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TW-38M-W



Tgt Ion:264 Resp: 284292

Ion Ratio Lower Upper

264 100

260 22.3 18.7 28.1

265 21.2 17.2 25.8

