

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143381.D
 Acq On : 14 Aug 2025 14:55
 Operator : RC/JU
 Sample : Q2814-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-17M-W

Quant Time: Aug 14 15:16:03 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

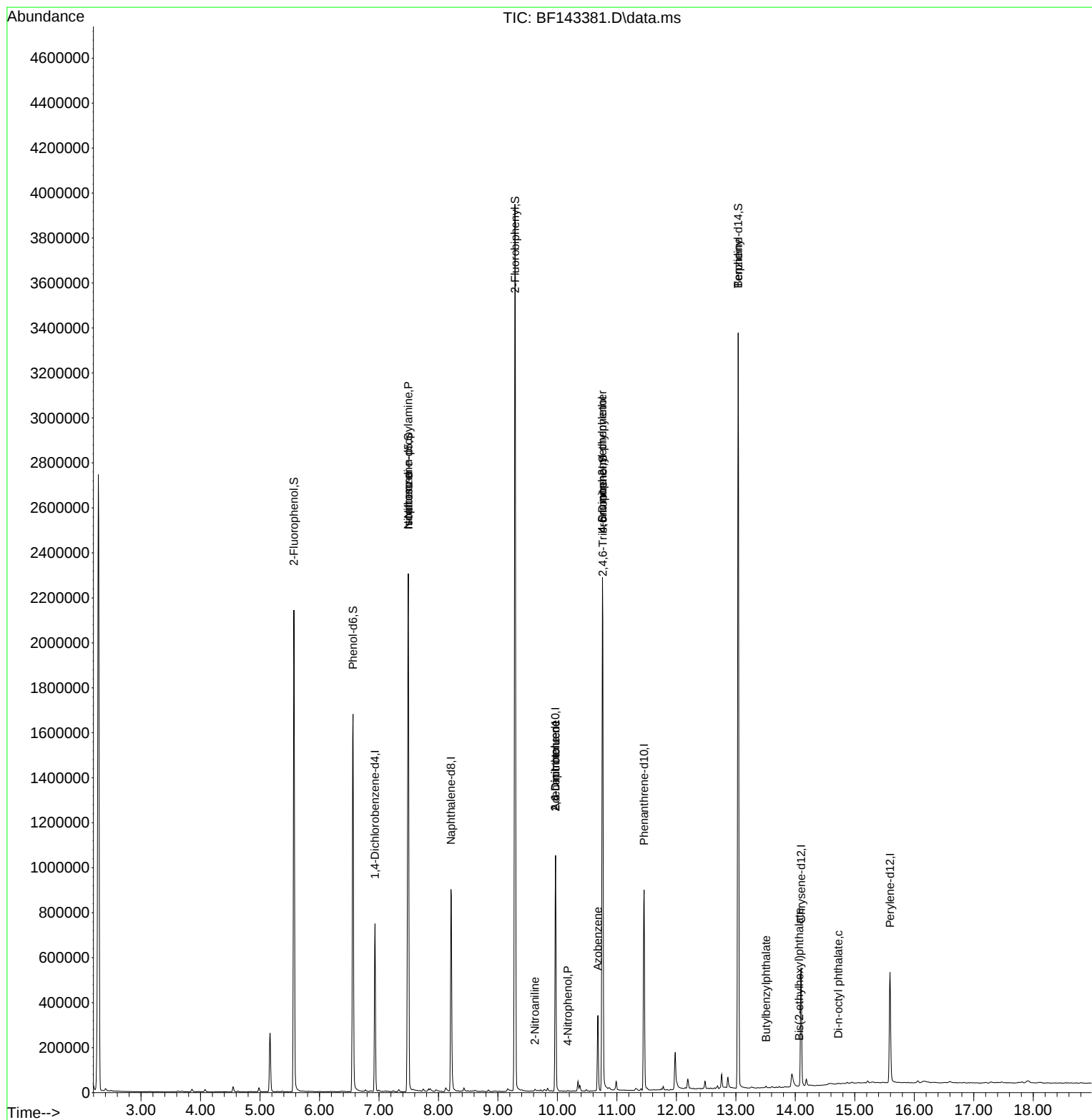
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	152471	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	588451	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	306946	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	467839	20.000	ng	0.00
76) Chrysene-d12	14.098	240	268746	20.000	ng	0.00
86) Perylene-d12	15.592	264	301101	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	784325	88.955	ng	0.00
7) Phenol-d6	6.563	99	774788	68.524	ng	0.00
23) Nitrobenzene-d5	7.492	82	1083323	114.644	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	434351	193.628	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1810980	100.049	ng	0.00
79) Terphenyl-d14	13.039	244	1663007	110.477	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.492	70	146941	21.032	ng	# 79
25) Isophorone	7.492	82	1070092	55.473	ng	# 65
48) 2-Nitroaniline	9.622	65	411	2.844	ng	# 6
51) 2,6-Dinitrotoluene	9.969	165	39935	14.003	ng	# 21
56) 4-Nitrophenol	10.175	139	212	5.544	ng	# 5
57) 2,4-Dinitrotoluene	9.969	165	39935	11.324	ng	# 20
63) Azobenzene	10.681	77	83675	4.560	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.757	198	875	7.653	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	27904	5.215	ng	# 1
77) Benzidine	13.039	184	19755	2.689	ng	# 96
80) Butylbenzylphthalate	13.510	149	428	3.440	ng	# 48
84) Bis(2-ethylhexyl)phtha...	14.069	149	2093	4.283	ng	# 80
85) Di-n-octyl phthalate	14.721	149	478	6.057	ng	# 1

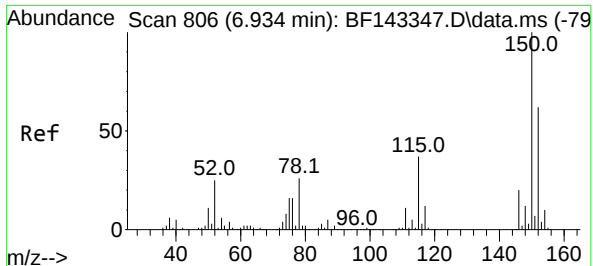
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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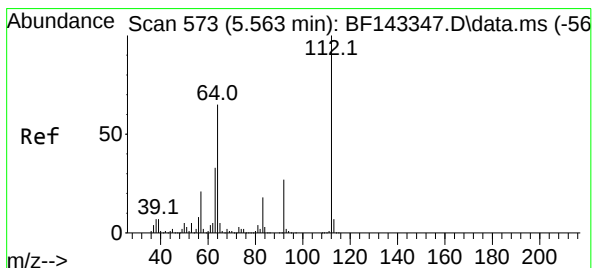
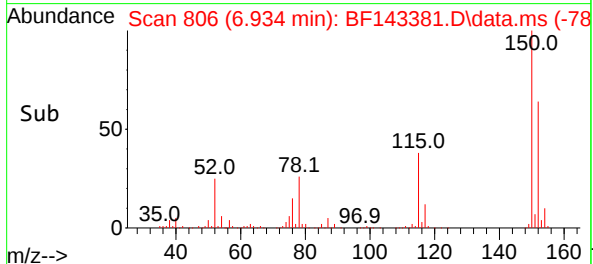
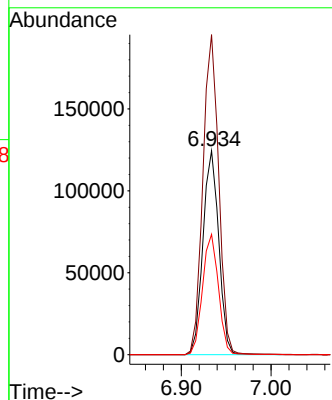
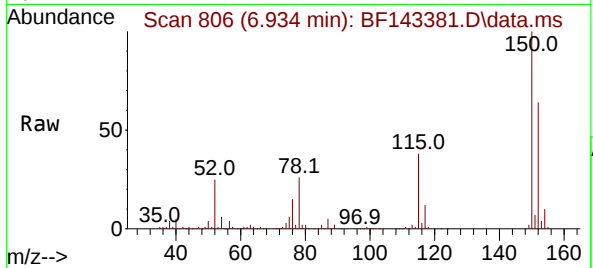




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

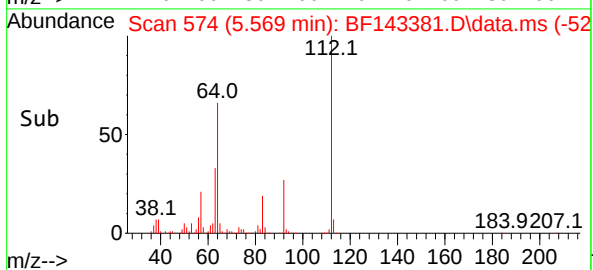
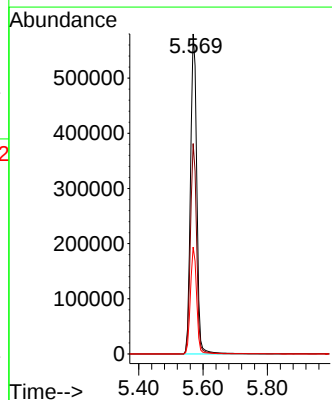
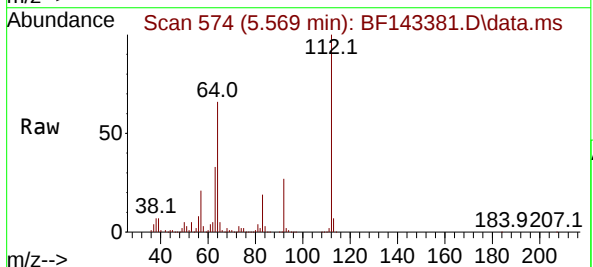
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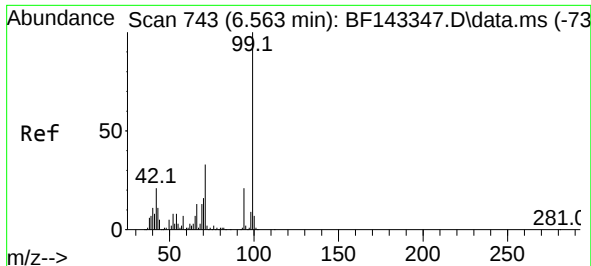
Tgt Ion:152 Resp: 152471
Ion Ratio Lower Upper
152 100
150 156.9 129.8 194.8
115 59.0 47.8 71.8



#5
2-Fluorophenol
Concen: 88.955 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:112 Resp: 784325
Ion Ratio Lower Upper
112 100
64 65.7 52.1 78.1
63 33.4 26.6 39.8

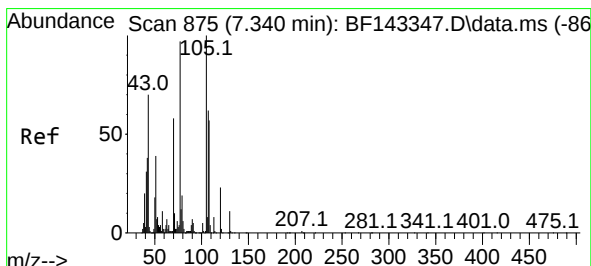
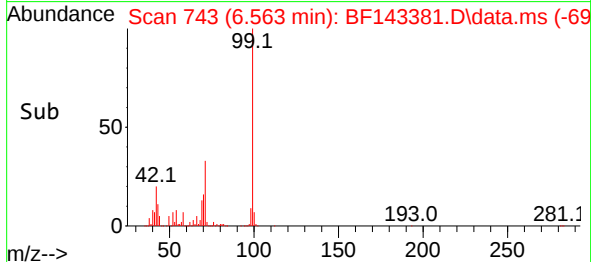
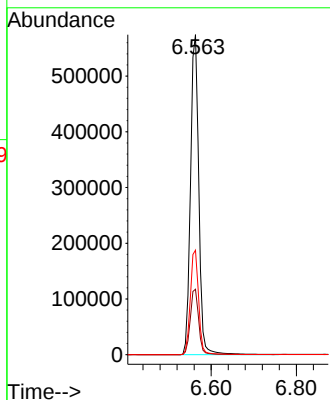
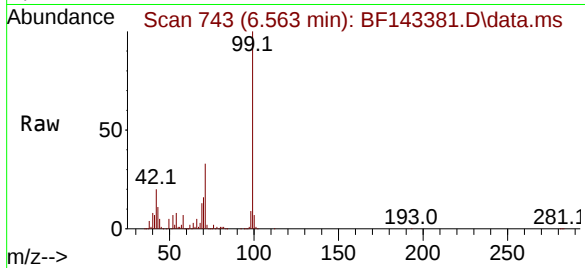




#7
Phenol-d6
Concen: 68.524 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

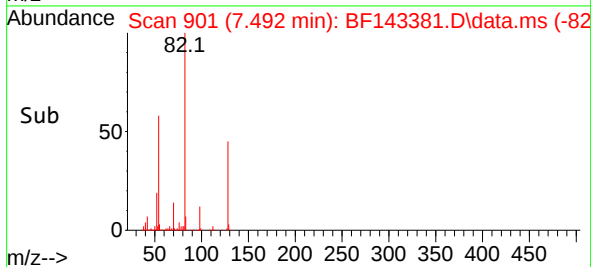
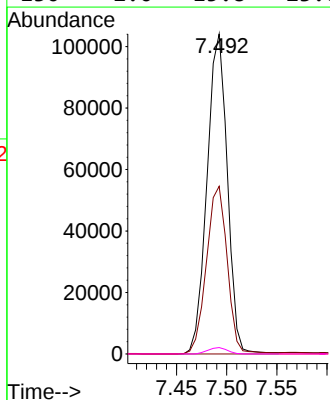
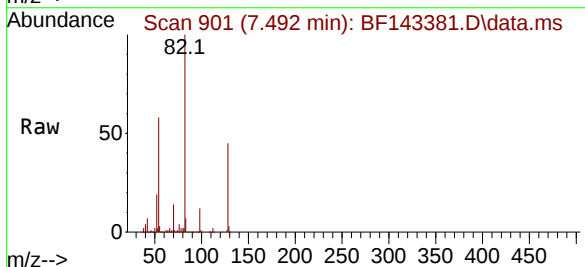
Instrument :
BNA_F
ClientSampleId :
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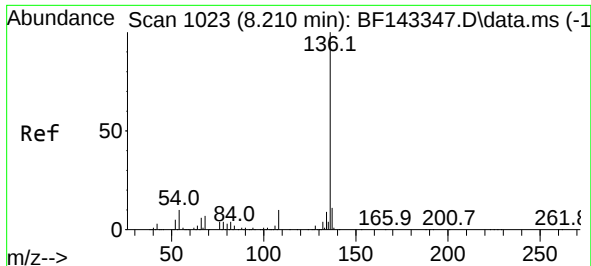
Tgt Ion: 99 Resp: 774788
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 32.6 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.032 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.153 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion: 70 Resp: 146941
Ion Ratio Lower Upper
70 100
42 52.4 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#

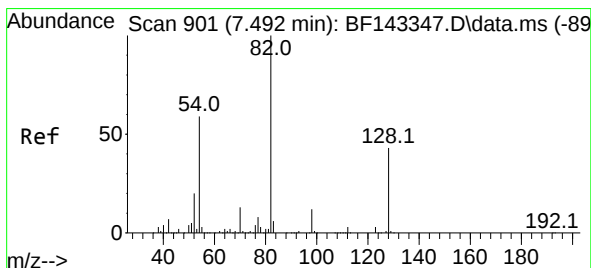
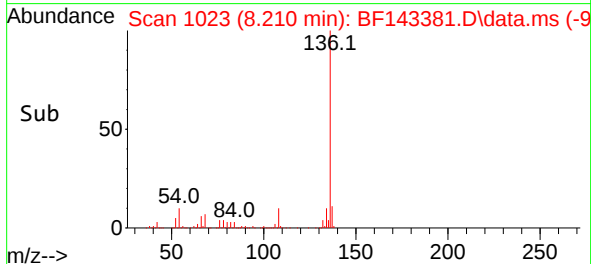
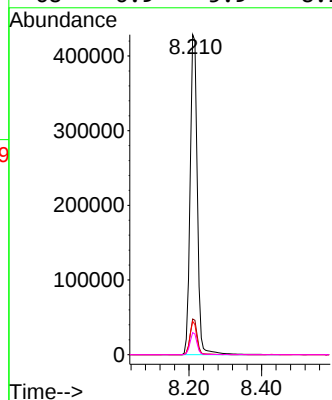
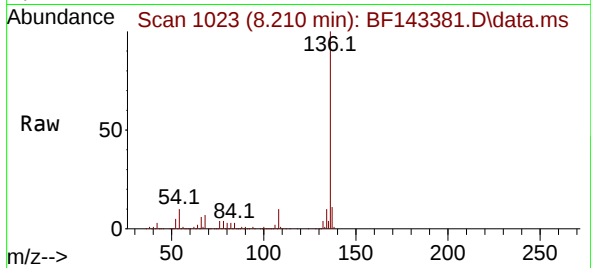




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

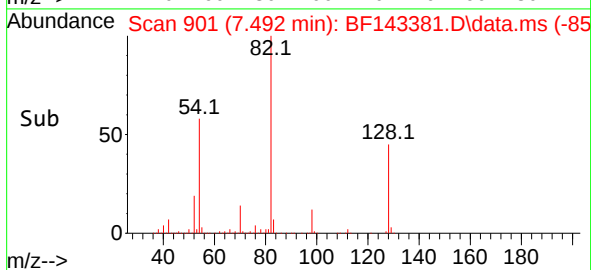
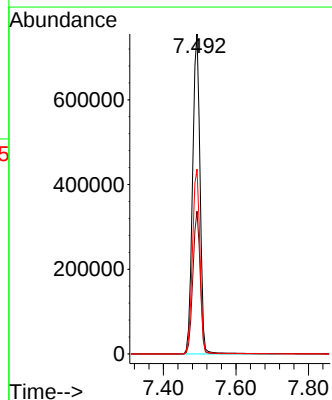
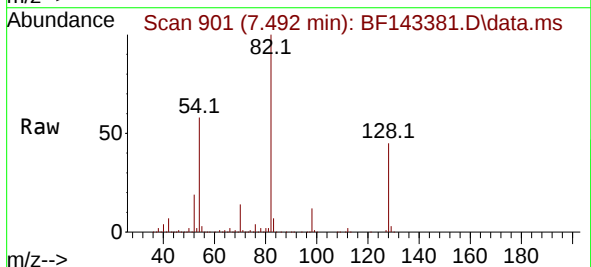
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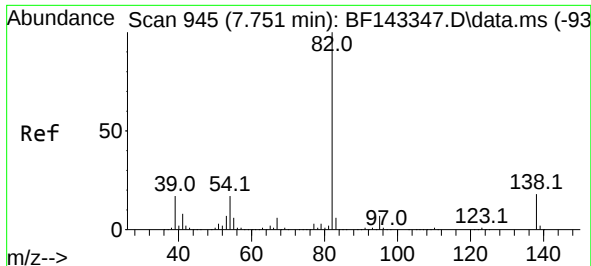
Tgt Ion:	136	Resp:	588451
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	10.4	8.4	12.6
68	6.9	5.9	8.9



#23
Nitrobenzene-d5
Concen: 114.644 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:	82	Resp:	1083323
Ion Ratio	Lower	Upper	
82	100		
128	44.6	33.5	50.3
54	57.7	46.7	70.1

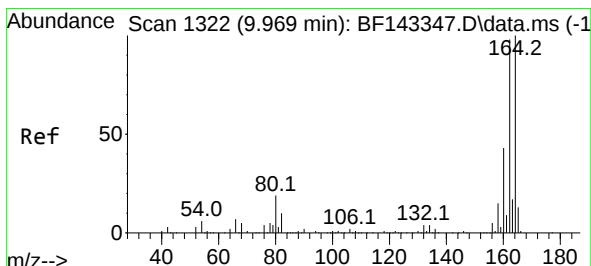
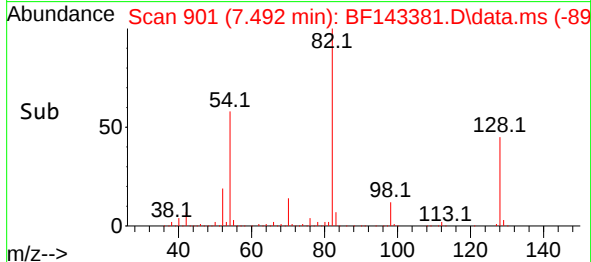
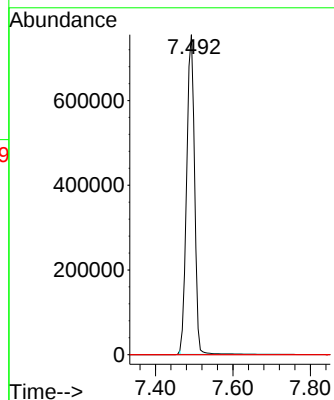
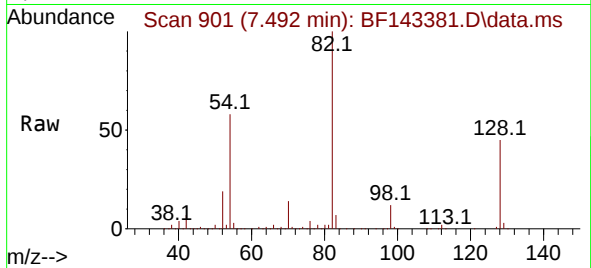




#25
Isophorone
Concen: 55.473 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

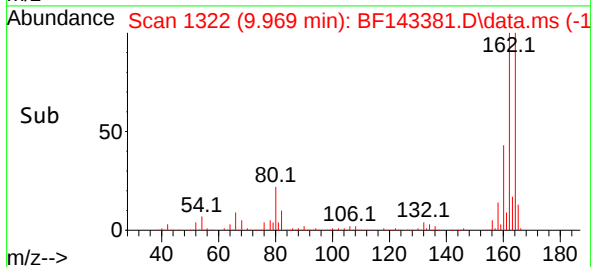
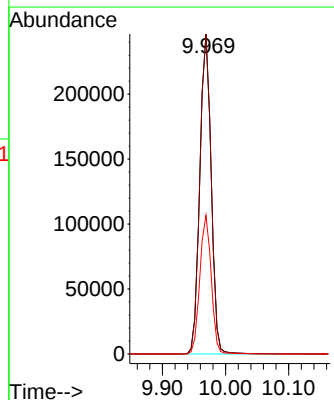
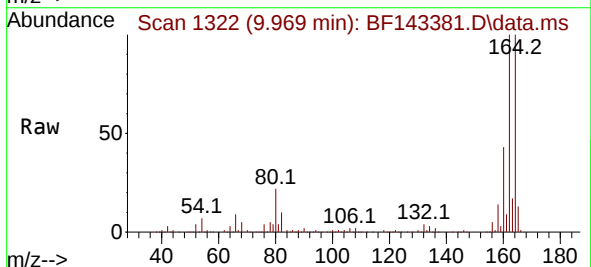
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

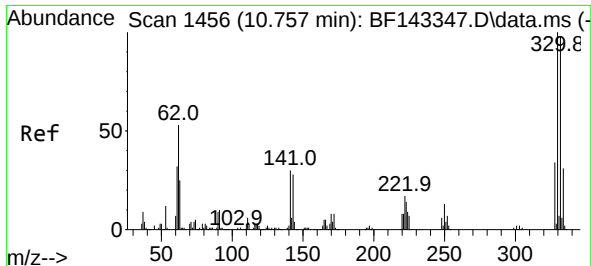
Tgt Ion: 82 Resp: 1070092
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:164 Resp: 306946
Ion Ratio Lower Upper
164 100
162 100.3 78.6 118.0
160 43.4 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 193.628 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W

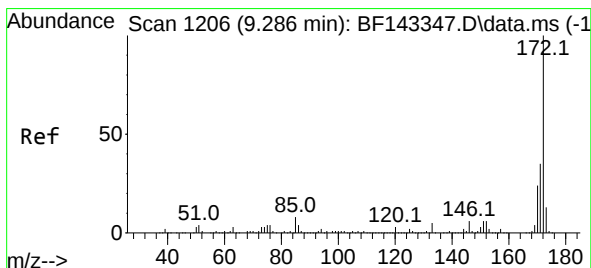
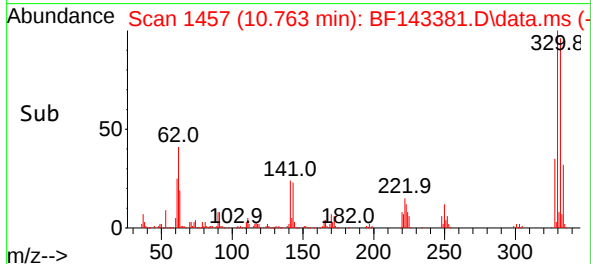
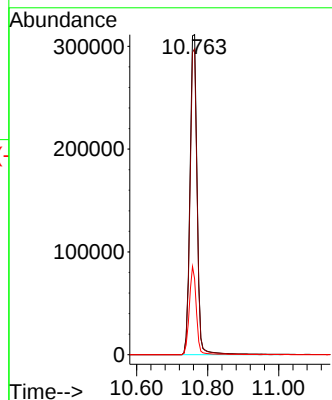
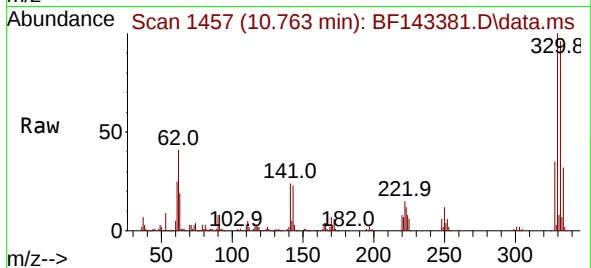
Tgt Ion:330 Resp: 434351

Ion Ratio Lower Upper

330 100

332 94.7 78.1 117.1

141 27.0 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 100.049 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

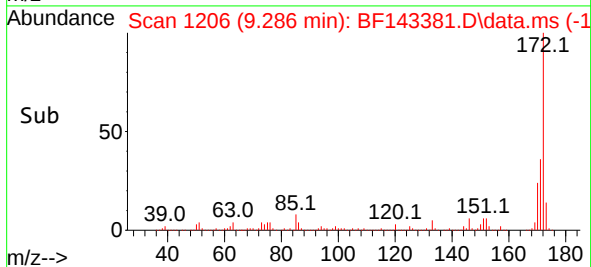
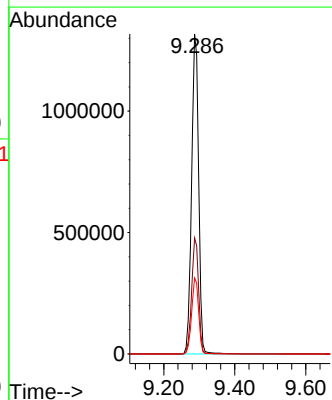
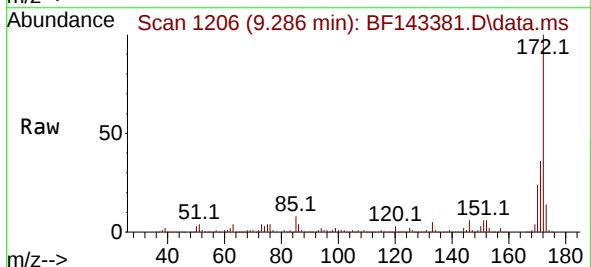
Tgt Ion:172 Resp: 1810980

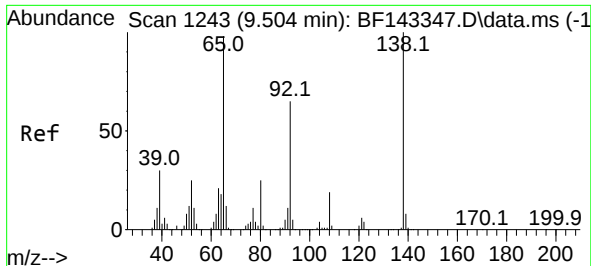
Ion Ratio Lower Upper

172 100

171 36.2 28.4 42.6

170 23.8 19.1 28.7

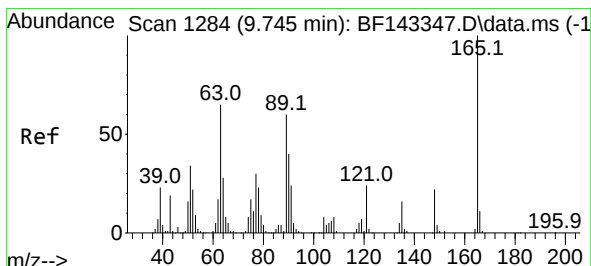
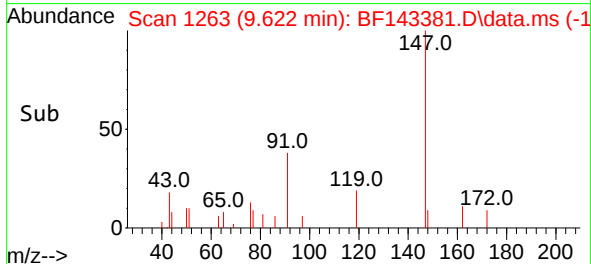
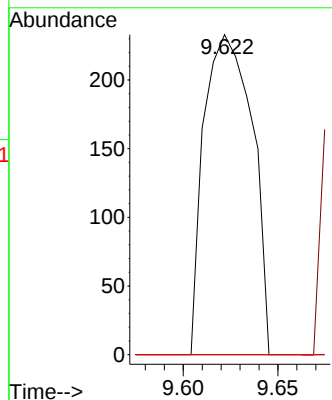
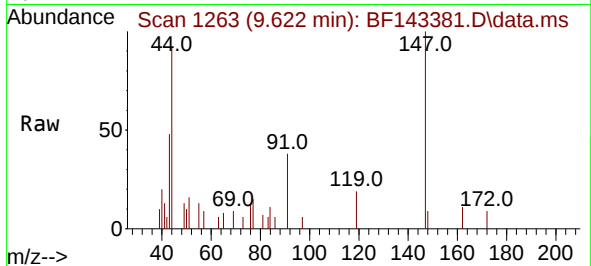




#48
2-Nitroaniline
Concen: 2.844 ng
RT: 9.622 min Scan# 11
Delta R.T. 0.118 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

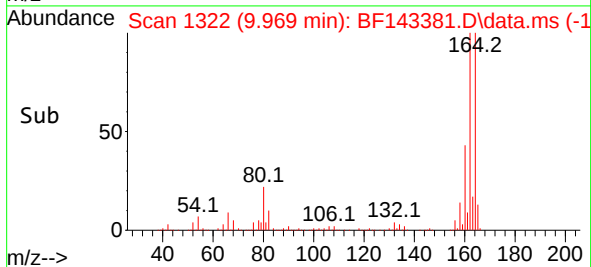
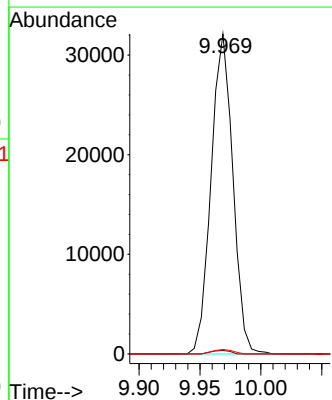
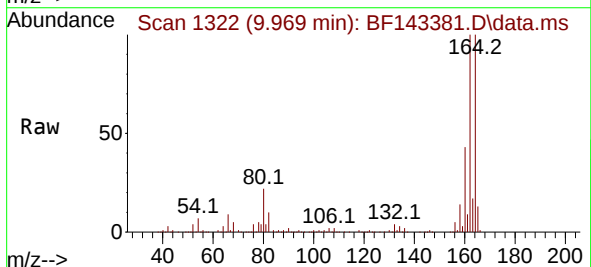
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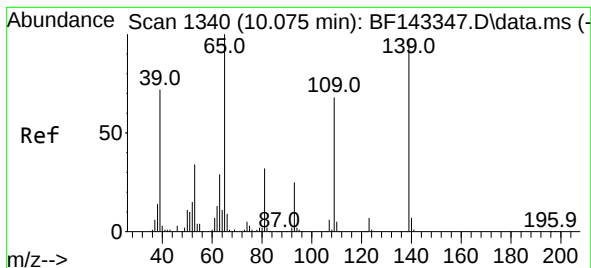
Tgt Ion: 65 Resp: 411
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#



#51
2,6-Dinitrotoluene
Concen: 14.003 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.224 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion: 165 Resp: 39935
Ion Ratio Lower Upper
165 100
63 1.1 51.6 77.4#
89 1.4 47.7 71.5#

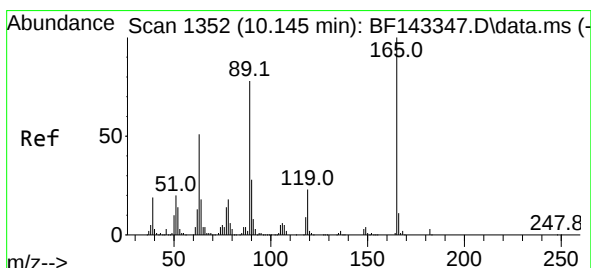
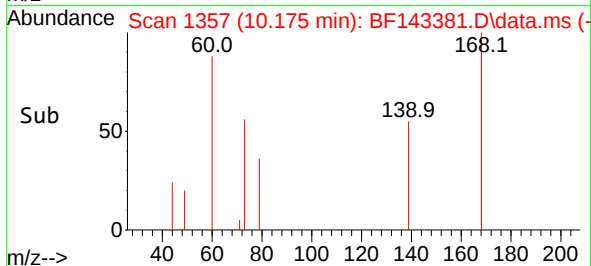
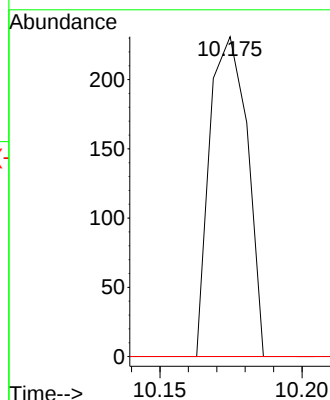
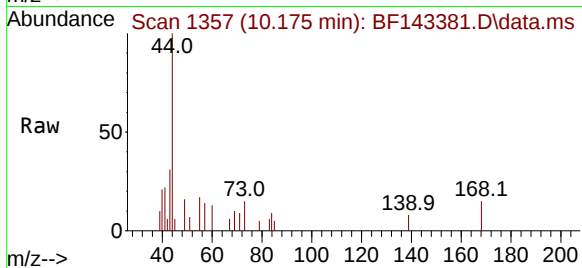




#56
4-Nitrophenol
Concen: 5.544 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

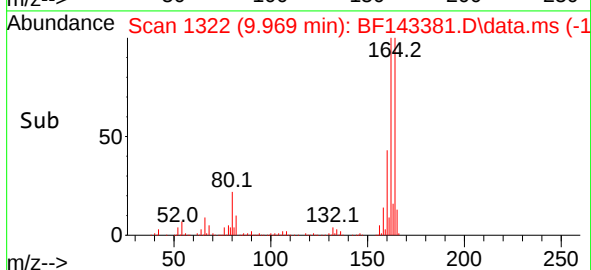
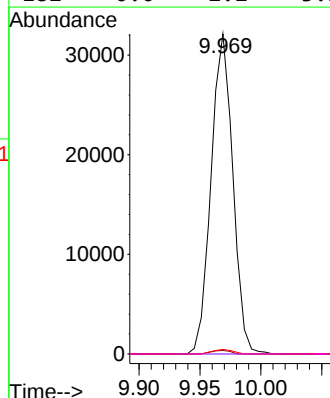
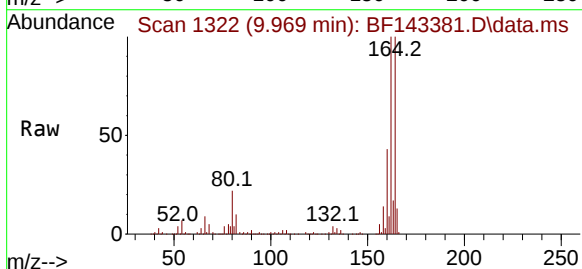
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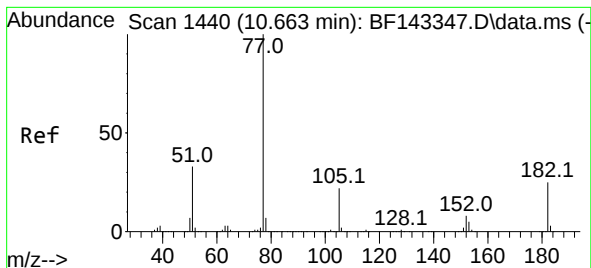
Tgt Ion:139 Resp: 212
Ion Ratio Lower Upper
139 100
109 0.0 49.4 89.4#
65 0.0 83.7 123.7#



#57
2,4-Dinitrotoluene
Concen: 11.324 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:165 Resp: 39935
Ion Ratio Lower Upper
165 100
63 1.1 41.8 62.8#
89 1.4 62.4 93.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.560 ng

RT: 10.681 min Scan# 1443

Delta R.T. 0.018 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W

Tgt Ion: 77 Resp: 83675

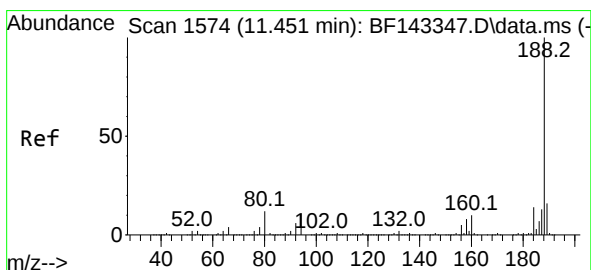
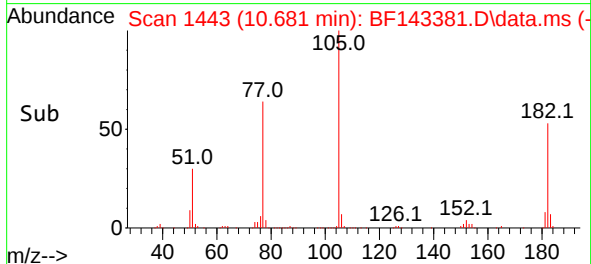
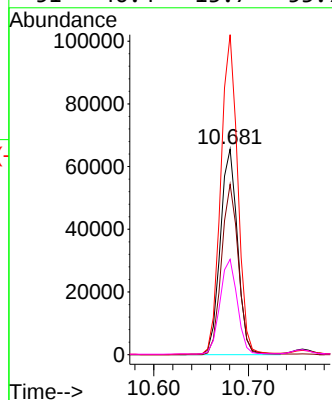
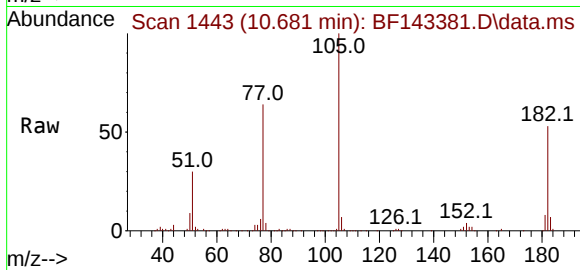
Ion Ratio Lower Upper

77 100

182 82.9 4.4 44.4#

105 155.6 1.8 41.8#

51 46.4 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: BF143381.D

Acq: 14 Aug 2025 14:55

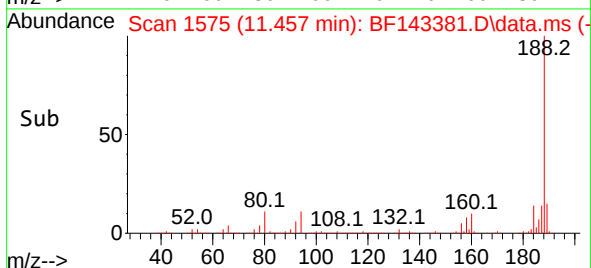
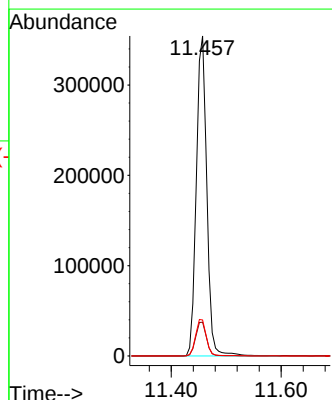
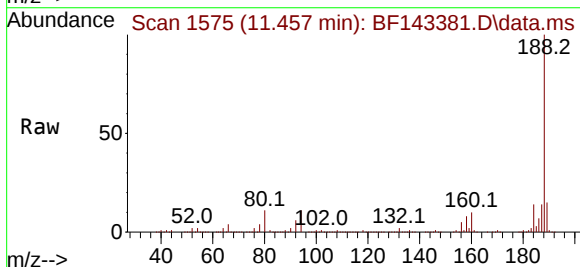
Tgt Ion:188 Resp: 467839

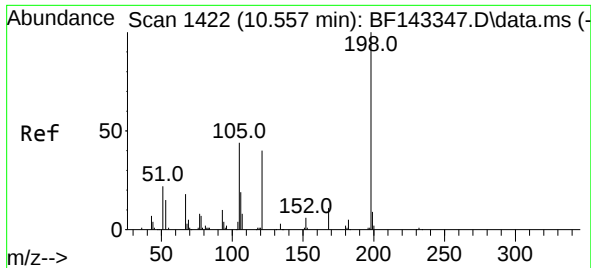
Ion Ratio Lower Upper

188 100

94 10.6 8.8 13.2

80 11.2 9.7 14.5

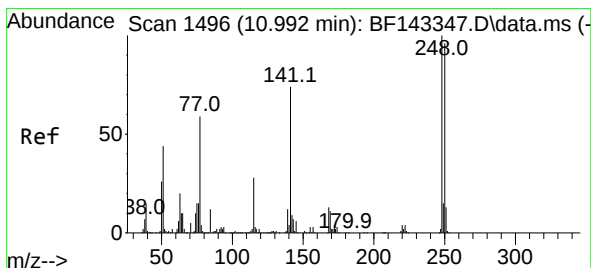
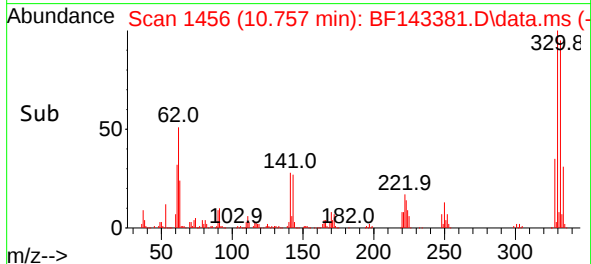
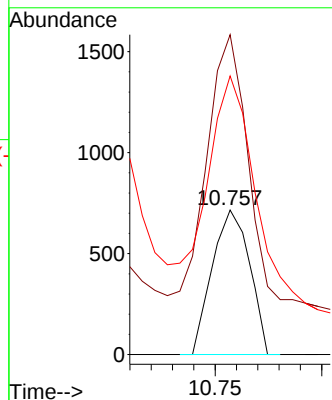
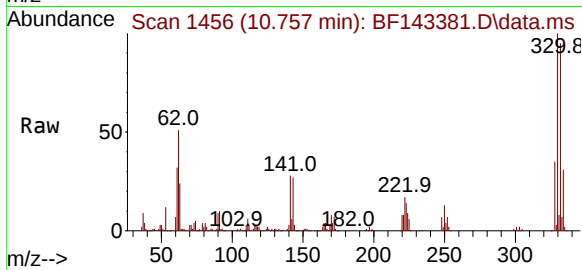




#65
4,6-Dinitro-2-methylphenol
Concen: 7.653 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

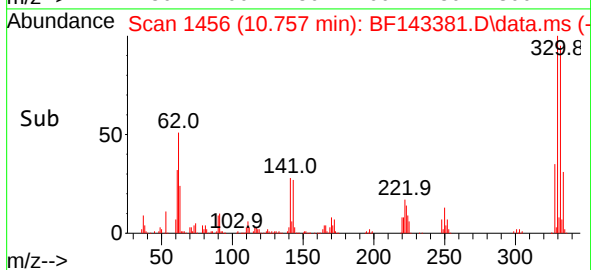
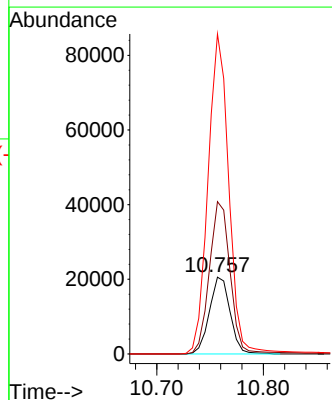
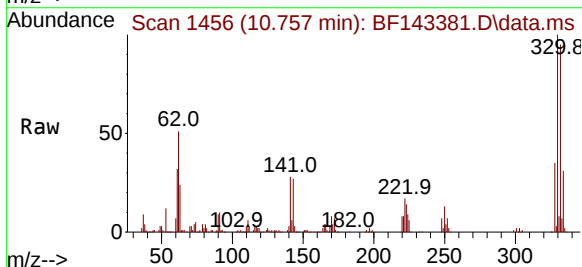
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

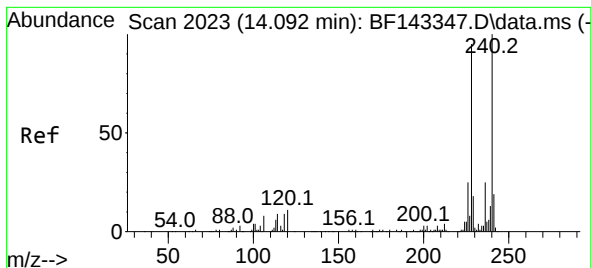
Tgt Ion:198 Resp: 875
Ion Ratio Lower Upper
198 100
51 221.2 41.7 81.7#
105 192.7 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 5.215 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.235 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:248 Resp: 27904
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 416.8 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: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W

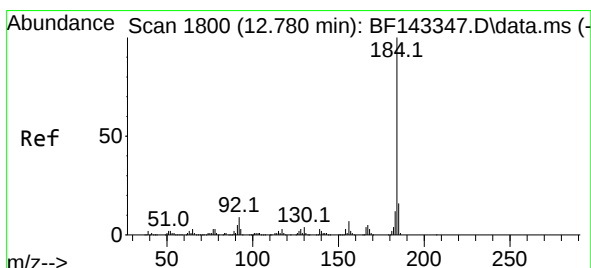
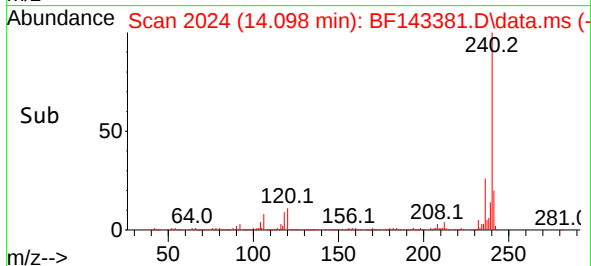
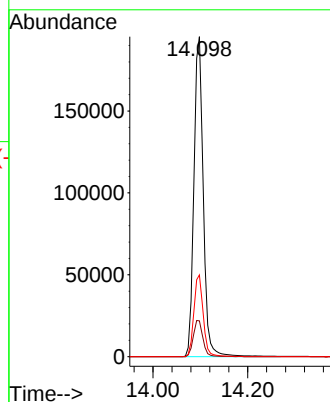
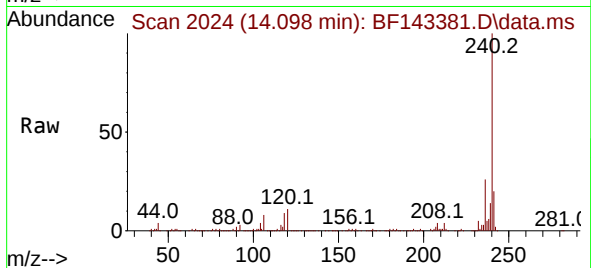
Tgt Ion:240 Resp: 268746

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

236 25.6 19.9 29.9



#77

Benzidine

Concen: 2.689 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.259 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

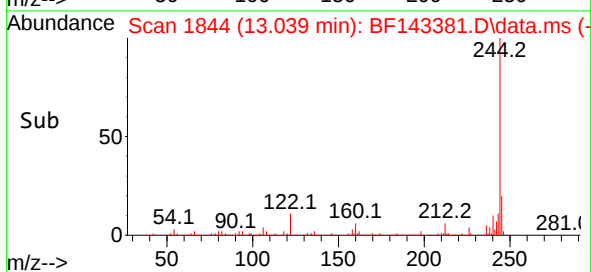
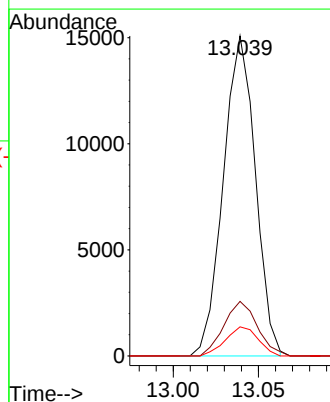
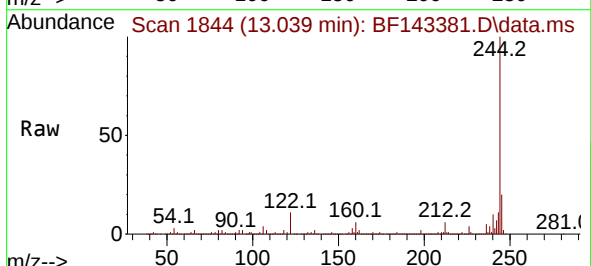
Tgt Ion:184 Resp: 19755

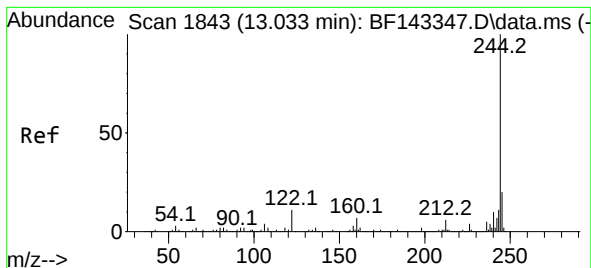
Ion Ratio Lower Upper

184 100

185 17.0 12.8 19.2

183 9.1 9.3 13.9#





#79

Terphenyl-d14

Concen: 110.477 ng

RT: 13.039 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W

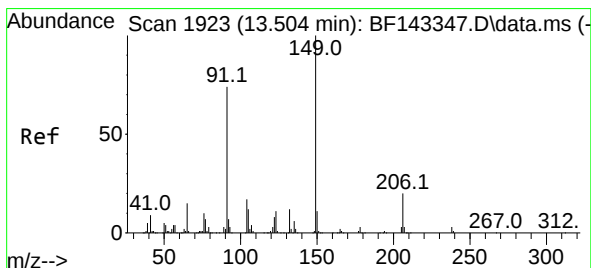
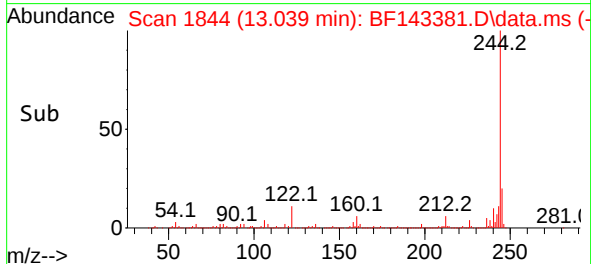
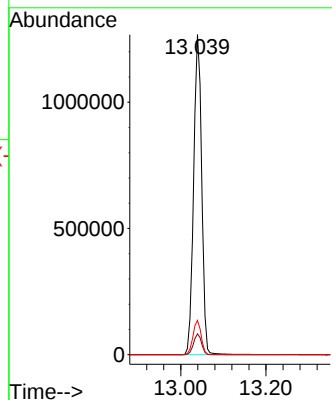
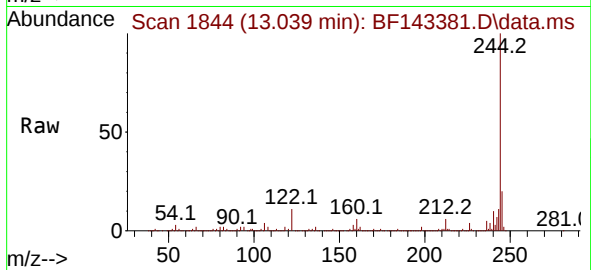
Tgt Ion:244 Resp: 1663007

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.7 8.9 13.3



#80

Butylbenzylphthalate

Concen: 3.440 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143381.D

Acq: 14 Aug 2025 14:55

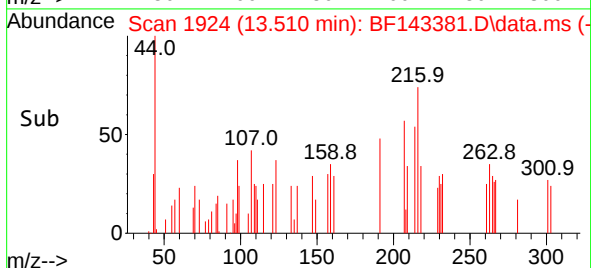
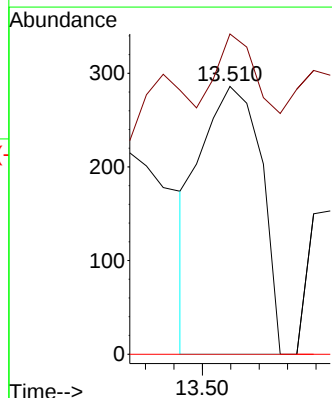
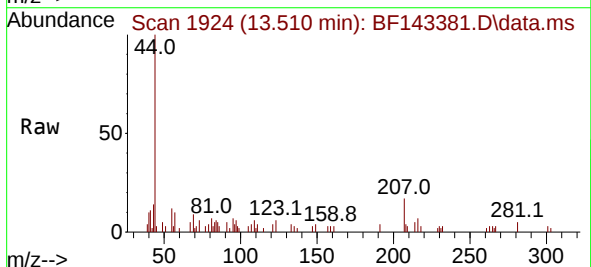
Tgt Ion:149 Resp: 428

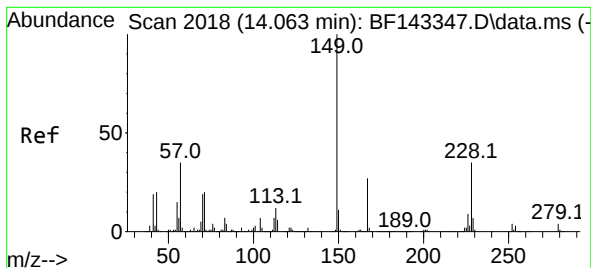
Ion Ratio Lower Upper

149 100

91 119.6 58.8 88.2#

206 0.0 16.4 24.6#

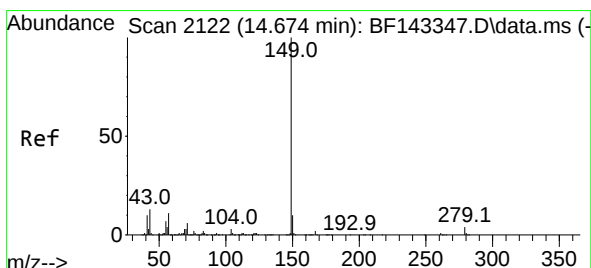
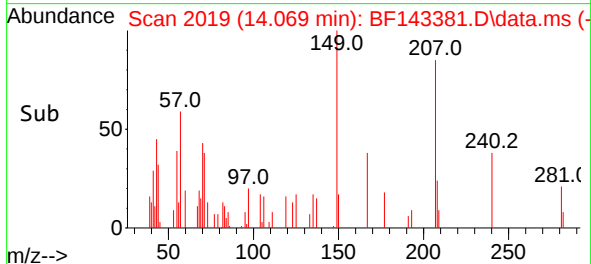
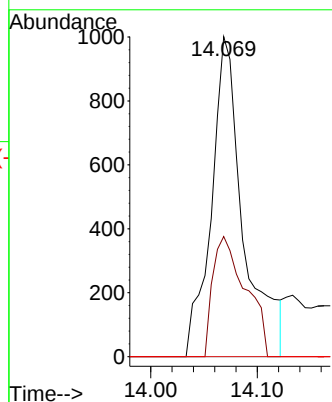
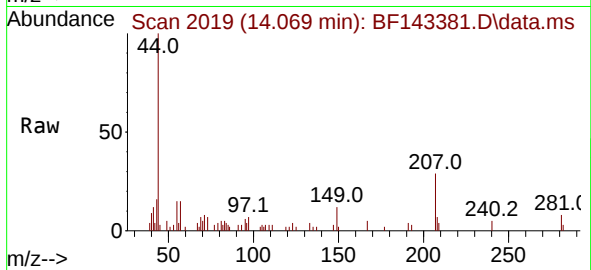




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.283 ng
RT: 14.069 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

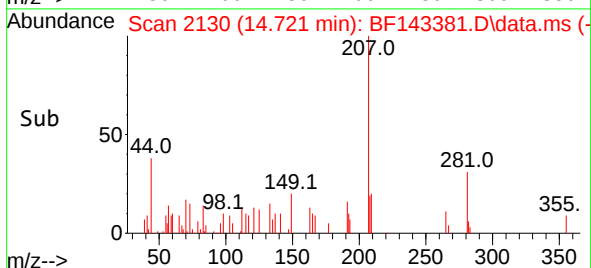
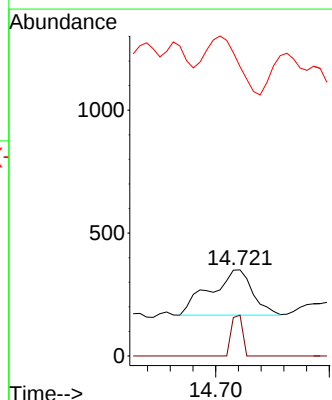
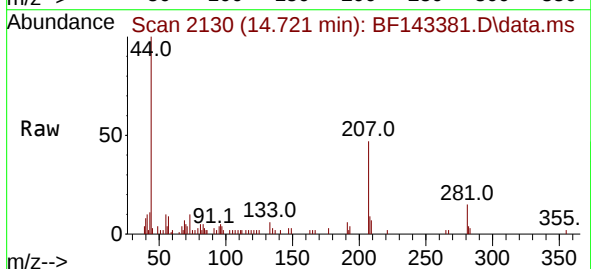
Instrument :
BNA_F
ClientSampleId :
TW-17M-W

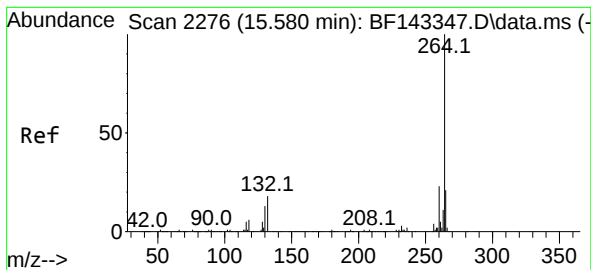
Tgt Ion:149 Resp: 2093
Ion Ratio Lower Upper
149 100
167 37.6 21.4 32.0#
279 0.0 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 6.057 ng
RT: 14.721 min Scan# 2130
Delta R.T. 0.047 min
Lab File: BF143381.D
Acq: 14 Aug 2025 14:55

Tgt Ion:149 Resp: 478
Ion Ratio Lower Upper
149 100
167 23.8 1.3 1.9#
43 91.0 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: BF143381.D

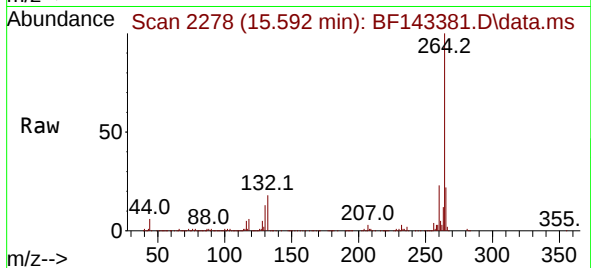
Acq: 14 Aug 2025 14:55

Instrument :

BNA_F

ClientSampleId :

TW-17M-W



Tgt Ion:264 Resp: 301101

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.6 17.2 25.8

