

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010925\
 Data File : BF141106.D
 Acq On : 09 Jan 2025 16:00
 Operator : RC/JU
 Sample : Q1033-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 28612

Quant Time: Jan 09 16:21:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

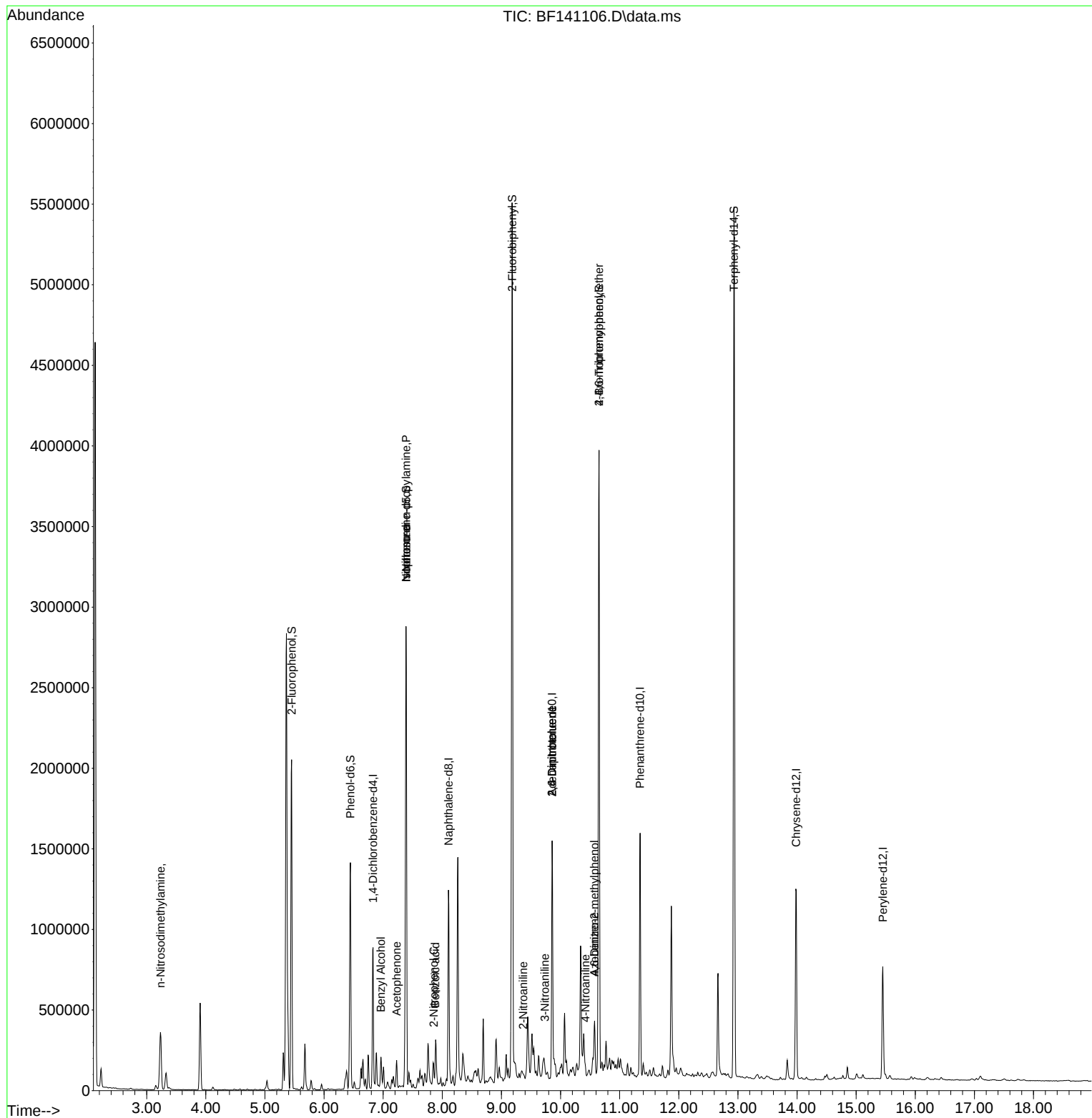
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	189788	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	771309	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	431336	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	746722	20.000	ng	0.00
76) Chrysene-d12	13.986	240	567176	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	421393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	792575	62.950	ng	0.02
7) Phenol-d6	6.446	99	663243	40.892	ng	0.00
23) Nitrobenzene-d5	7.387	82	1419736	117.763	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	785673	187.452	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2571702	94.992	ng	0.00
79) Terphenyl-d14	12.933	244	2858171	83.703	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.234	42	107931	15.292	ng	# 1
9) Benzaldehyde	6.381	77	7917	Below Cal		# 1
15) Benzyl Alcohol	6.963	79	37891	3.251	ng	96
19) n-Nitroso-di-n-propyla...	7.387	70	195827	19.708	ng	# 78
22) Acetophenone	7.228	105	69754	3.687	ng	# 91
25) Isophorone	7.387	82	1407103	53.636	ng	# 65
26) 2-Nitrophenol	7.857	139	53	5.310	ng	# 1
32) Benzoic acid	7.881	122	5172	8.243	ng	# 1
48) 2-Nitroaniline	9.369	65	1405	4.833	ng	# 30
51) 2,6-Dinitrotoluene	9.857	165	56687	12.706	ng	# 25
53) 3-Nitroaniline	9.734	138	14399	5.398	ng	# 13
57) 2,4-Dinitrotoluene	9.857	165	56687	11.755	ng	# 23
62) 4-Nitroaniline	10.422	138	1530	3.572	ng	# 33
63) Azobenzene	10.575	77	67546	2.298	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.575	198	1520	9.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	46884	5.808	ng	# 1

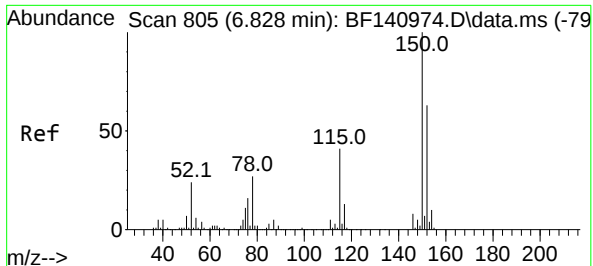
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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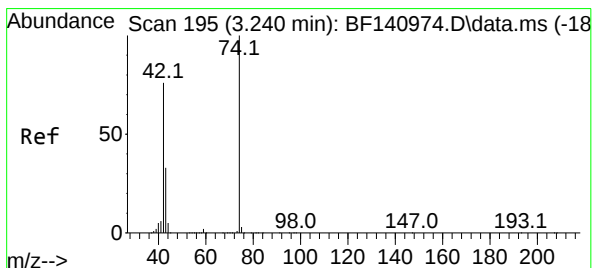
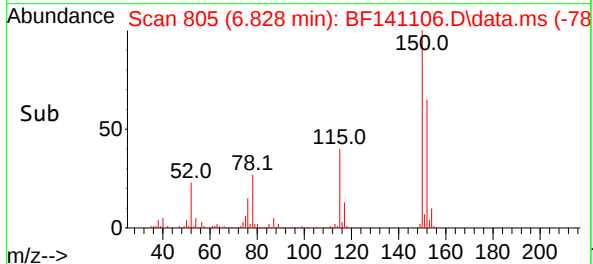
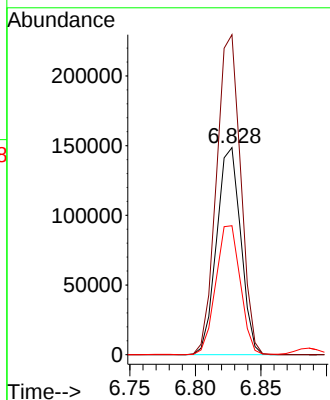
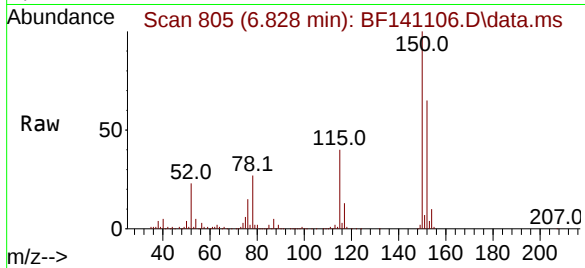




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

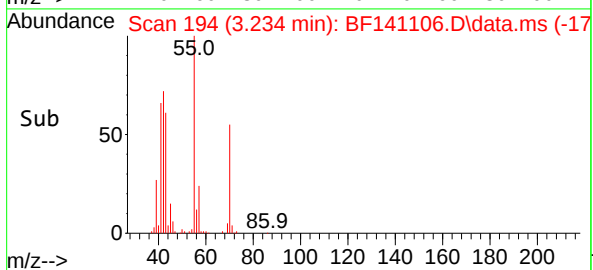
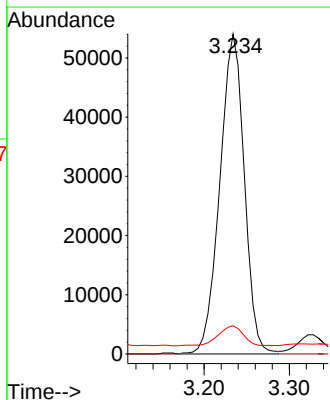
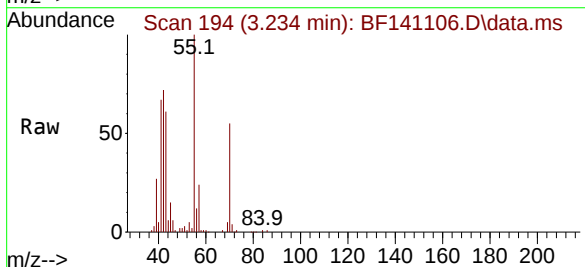
Instrument :
BNA_F
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28612

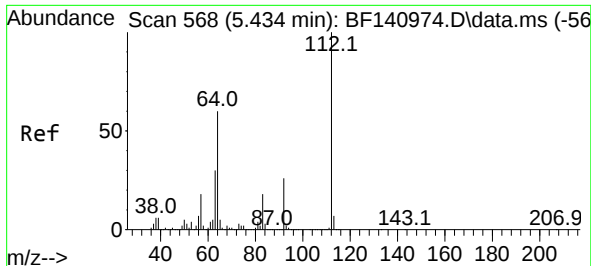
Tgt Ion:152 Resp: 189788
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 62.3 51.7 77.5



#4
n-Nitrosodimethylamine
Concen: 15.292 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion: 42 Resp: 107931
Ion Ratio Lower Upper
42 100
74 0.0 105.8 158.6#
44 8.8 6.6 10.0

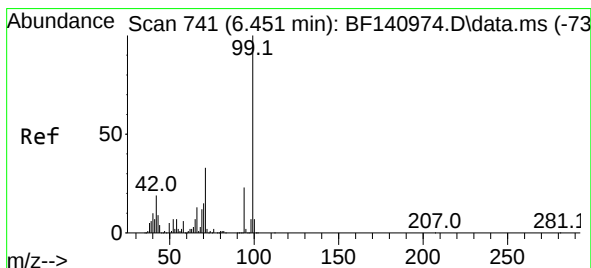
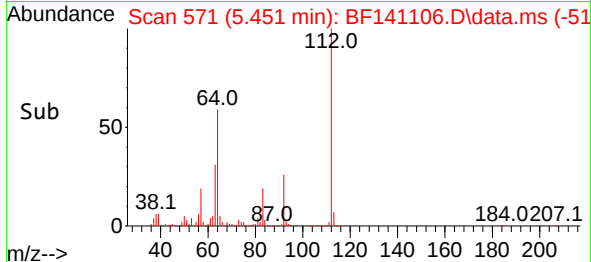
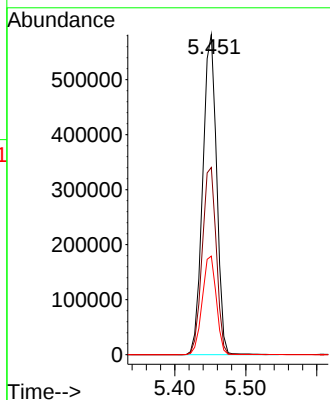
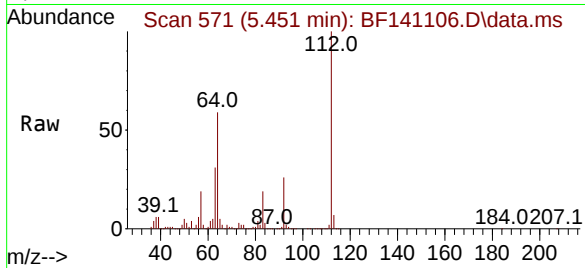




#5
2-Fluorophenol
Concen: 62.950 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

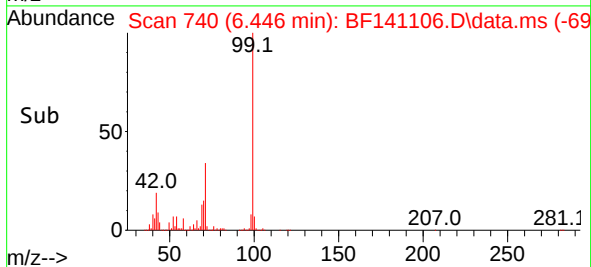
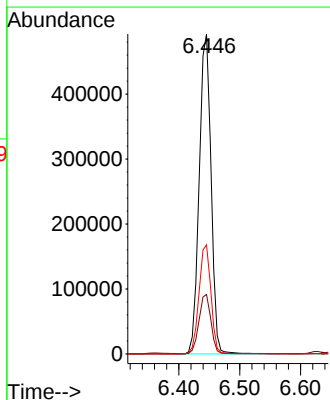
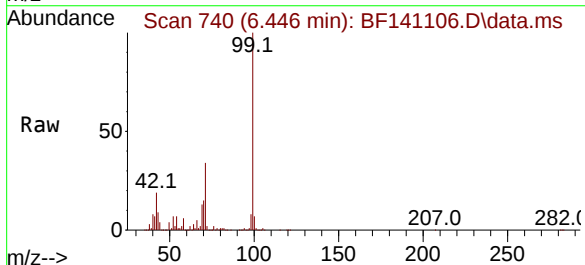
Instrument :
BNA_F
ClientSampleId :
28612

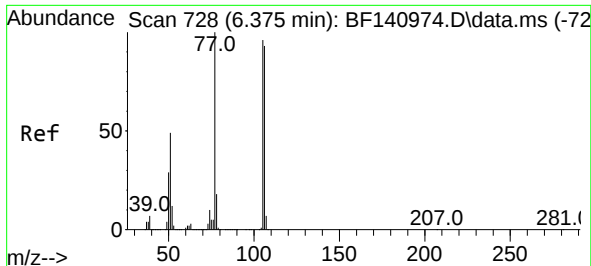
Tgt Ion:112 Resp: 792575
Ion Ratio Lower Upper
112 100
64 58.5 47.7 71.5
63 30.8 24.2 36.2



#7
Phenol-d6
Concen: 40.892 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion: 99 Resp: 663243
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 34.1 26.2 39.2





#9

Benzaldehyde

Concen: Below Cal

RT: 6.381 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

Instrument :

BNA_F

ClientSampleId :

28612

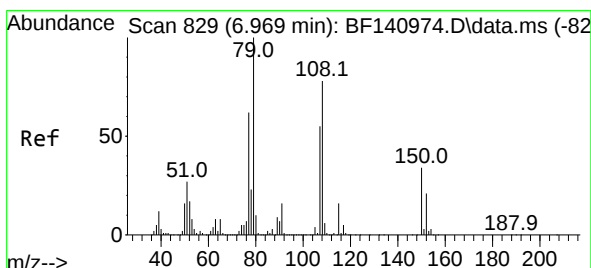
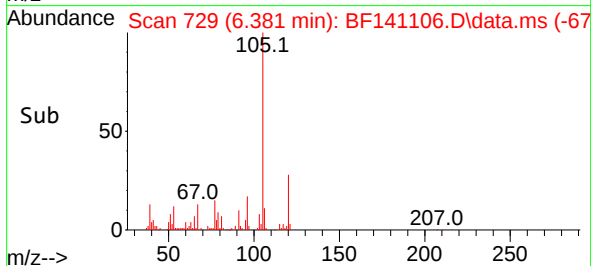
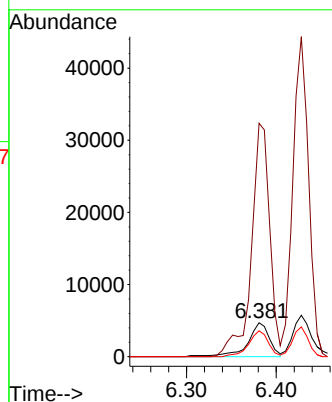
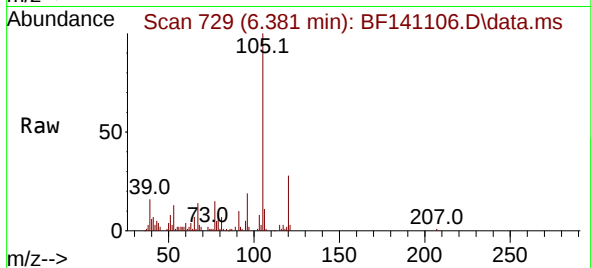
Tgt Ion: 77 Resp: 7917

Ion Ratio Lower Upper

77 100

105 688.1 76.2 116.2#

106 76.3 73.4 113.4



#15

Benzyl Alcohol

Concen: 3.251 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.006 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

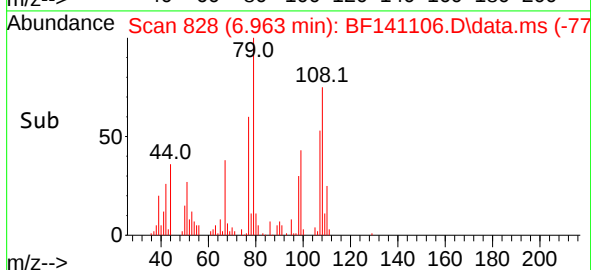
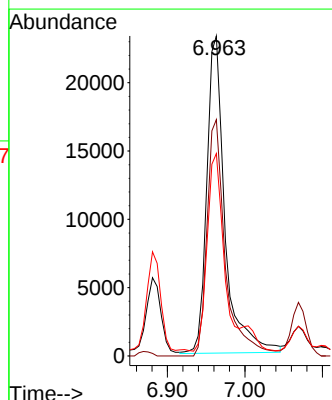
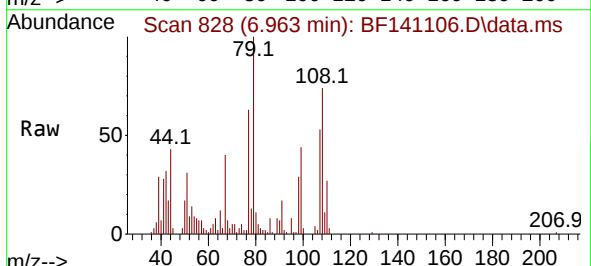
Tgt Ion: 79 Resp: 37891

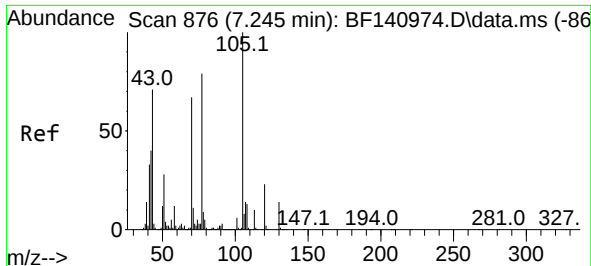
Ion Ratio Lower Upper

79 100

108 73.8 62.5 93.7

77 63.3 49.3 73.9

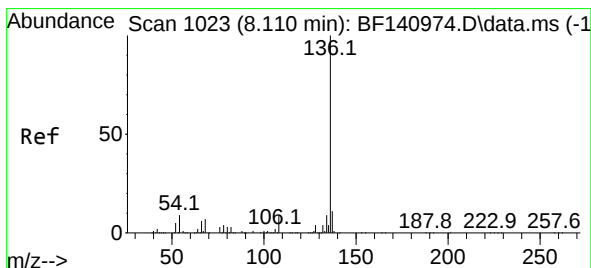
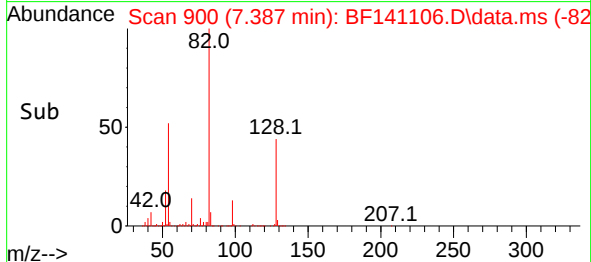
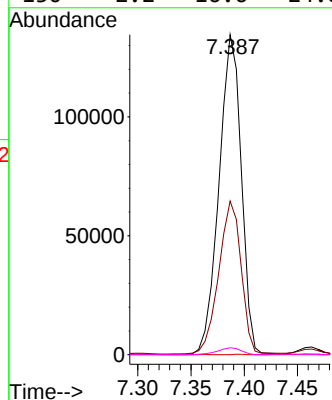
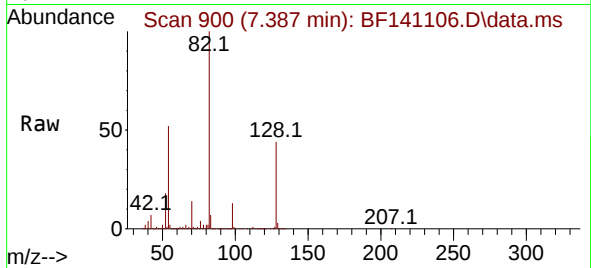




#19
n-Nitroso-di-n-propylamine
Concen: 19.708 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

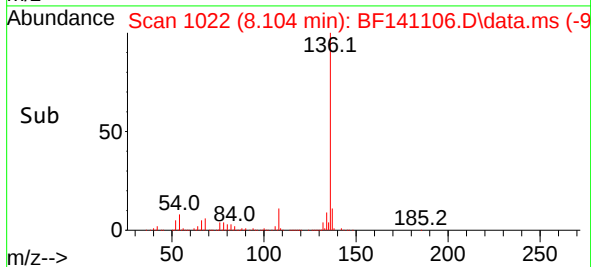
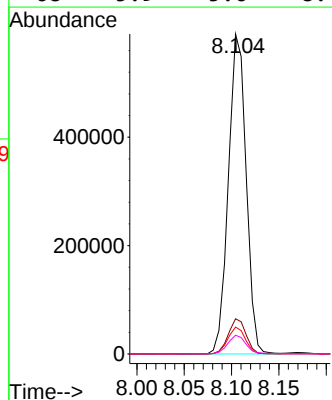
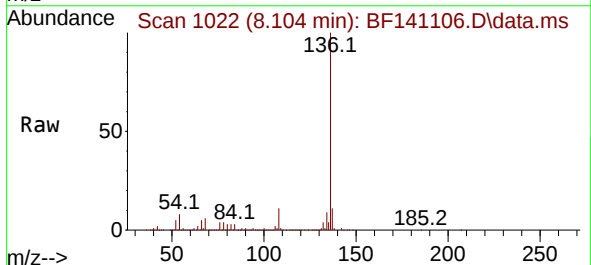
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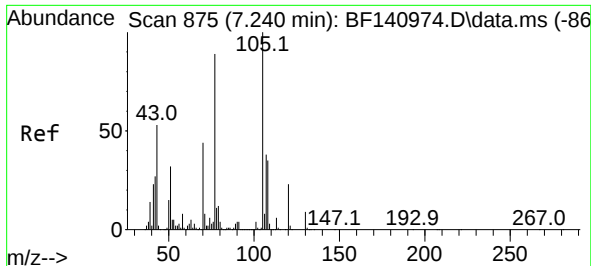
Tgt Ion: 70 Resp: 195827
Ion Ratio Lower Upper
70 100
42 48.0 48.1 72.1#
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:136 Resp: 771309
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.4 7.6 11.4
68 5.9 5.6 8.4

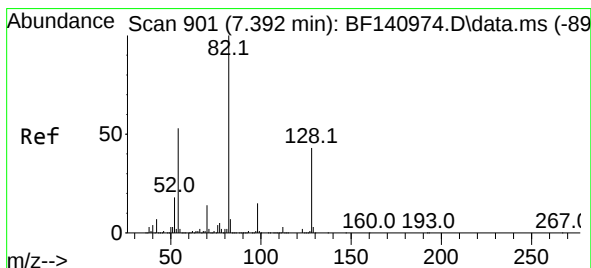
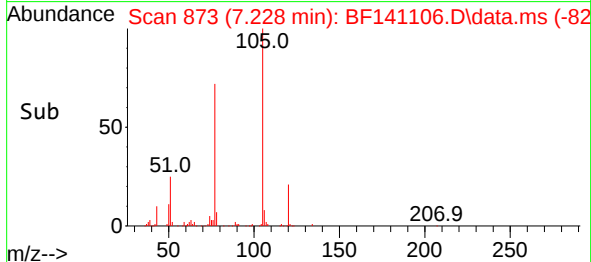
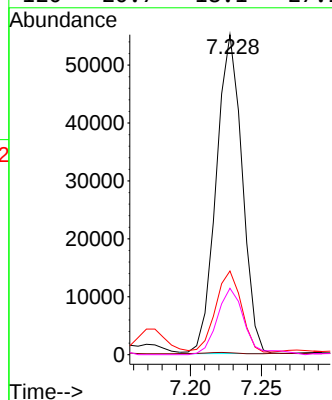
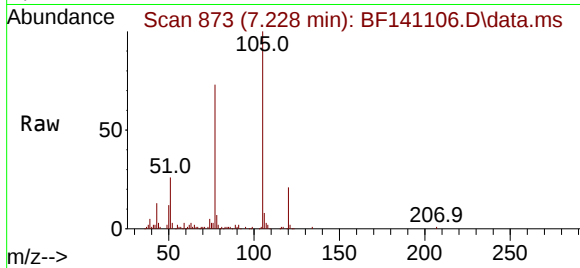




#22
Acetophenone
Concen: 3.687 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

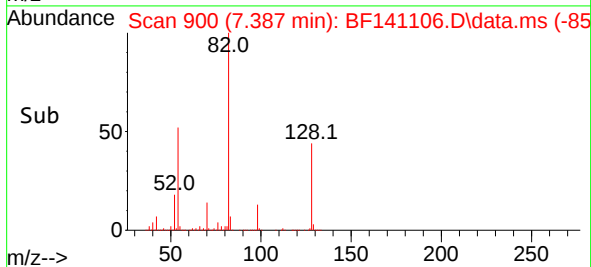
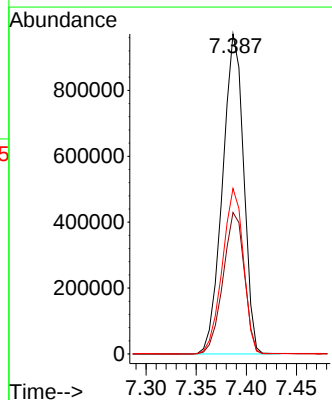
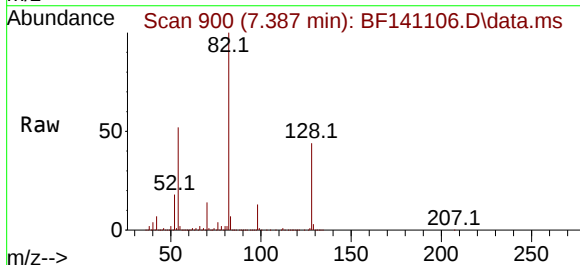
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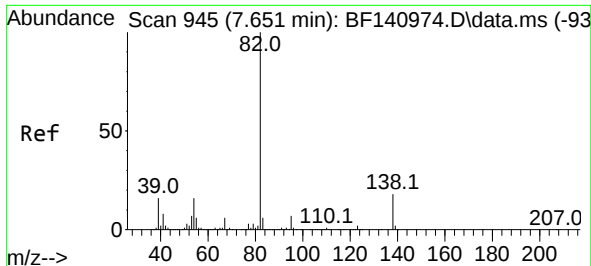
Tgt Ion:105 Resp: 69754
Ion Ratio Lower Upper
105 100
71 0.6 6.1 9.1#
51 26.1 25.8 38.6
120 20.7 18.1 27.1



#23
Nitrobenzene-d5
Concen: 117.763 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion: 82 Resp: 1419736
Ion Ratio Lower Upper
82 100
128 44.2 34.4 51.6
54 51.7 42.4 63.6

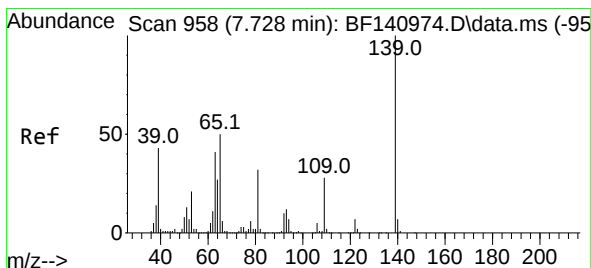
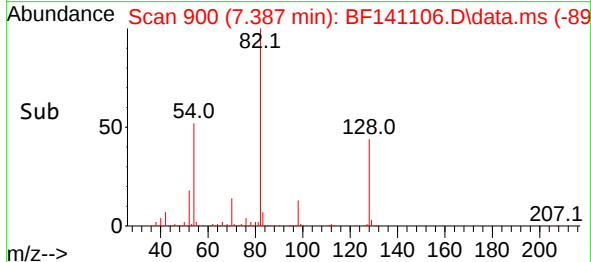
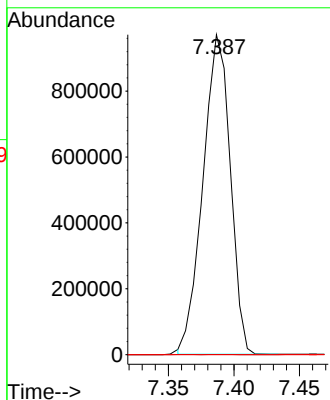
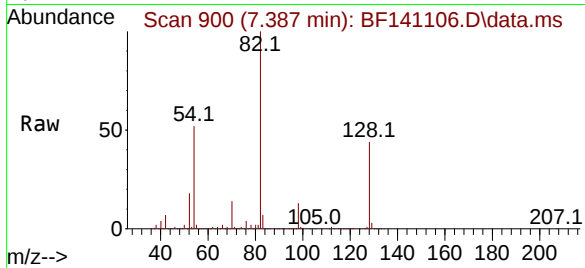




#25
Isophorone
Concen: 53.636 ng
RT: 7.387 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

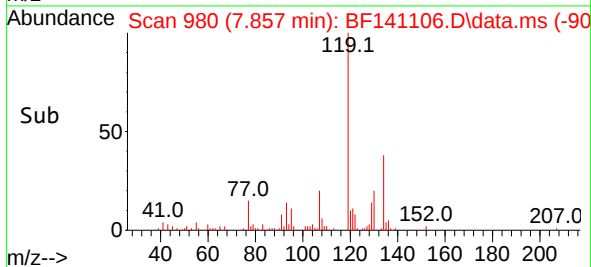
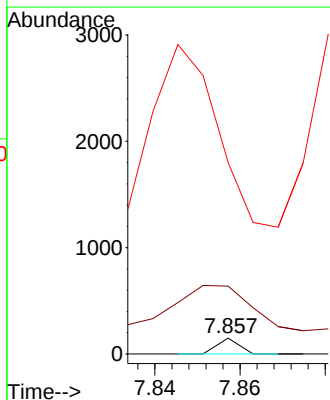
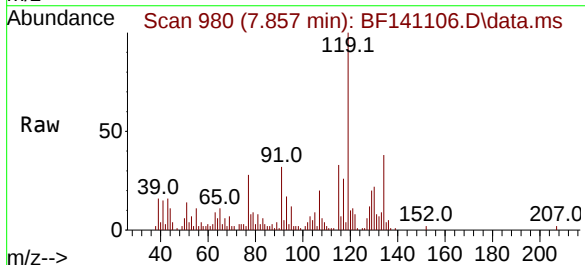
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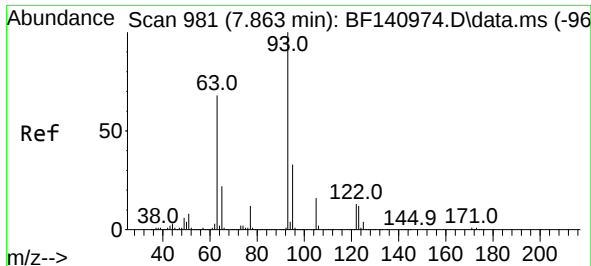
Tgt Ion: 82 Resp: 1407103
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.310 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.129 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 425.3 22.2 33.4#
65 1200.7 40.2 60.4#

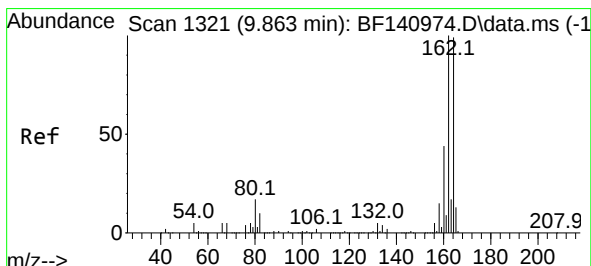
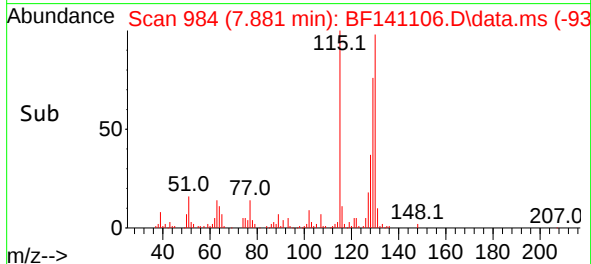
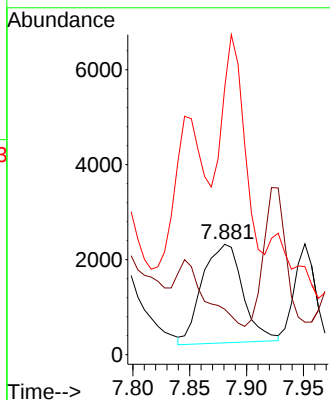
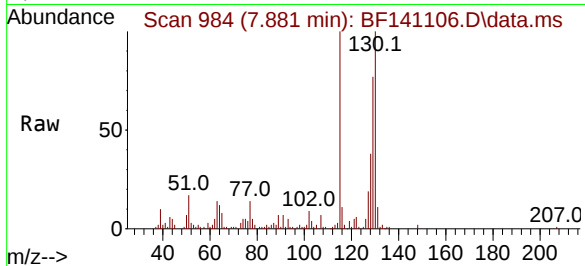




#32
Benzoic acid
Concen: 8.243 ng
RT: 7.881 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

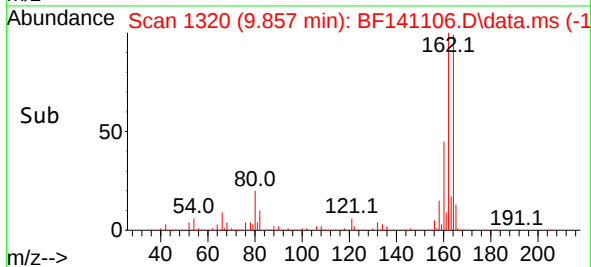
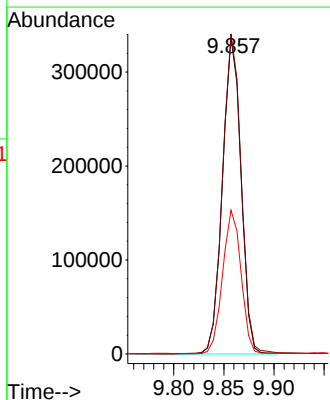
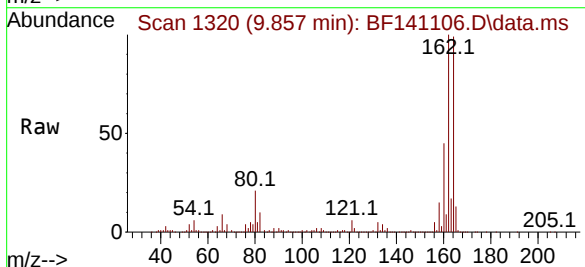
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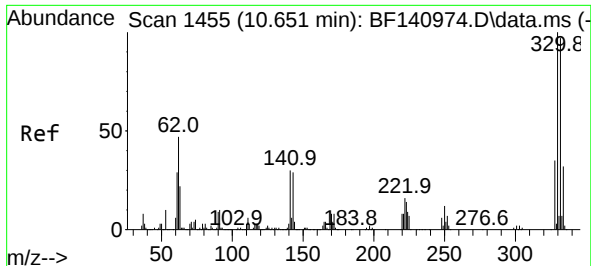
Tgt Ion:122 Resp: 5172
Ion Ratio Lower Upper
122 100
105 41.1 105.4 145.4#
77 242.2 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:164 Resp: 431336
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 45.4 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 187.452 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

Instrument :

BNA_F

ClientSampleId :

28612

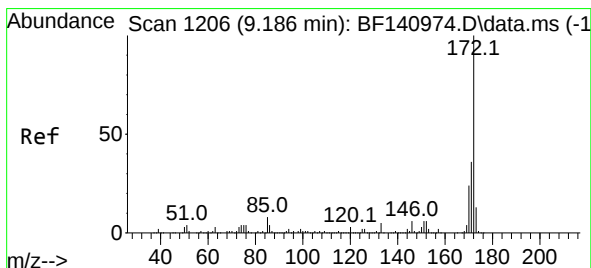
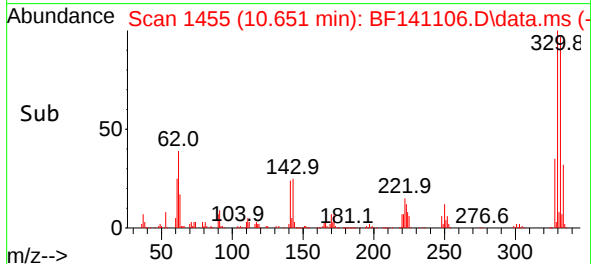
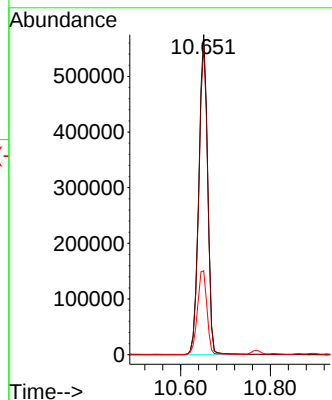
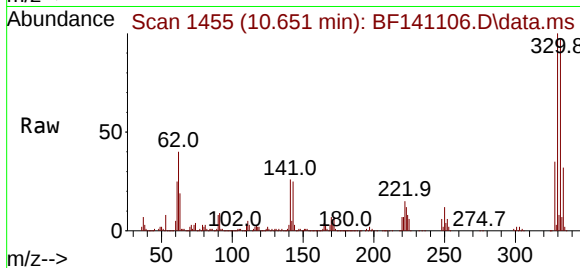
Tgt Ion:330 Resp: 785673

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 28.0 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 94.992 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

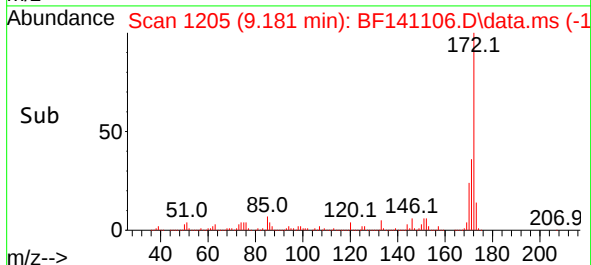
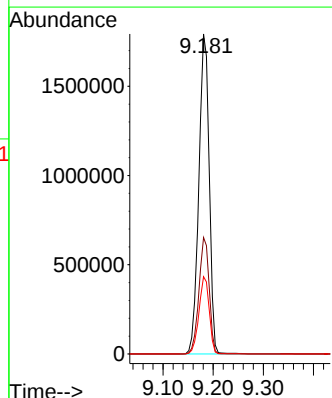
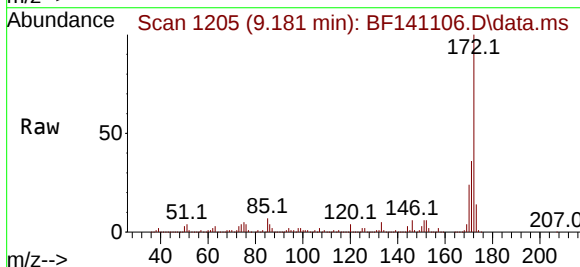
Tgt Ion:172 Resp: 2571702

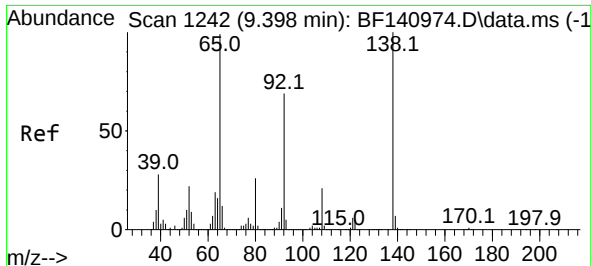
Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

170 24.2 19.6 29.4

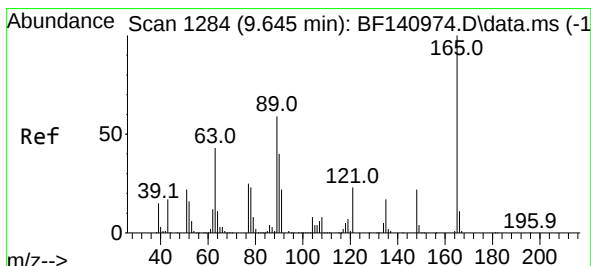
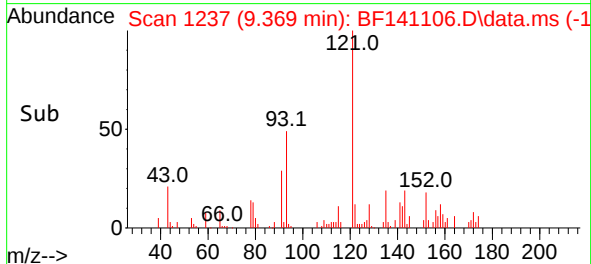
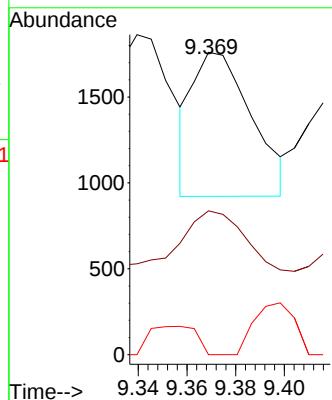
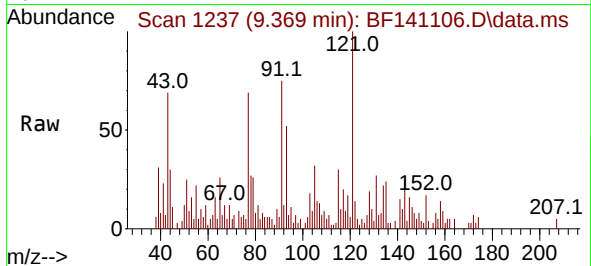




#48
2-Nitroaniline
Concen: 4.833 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

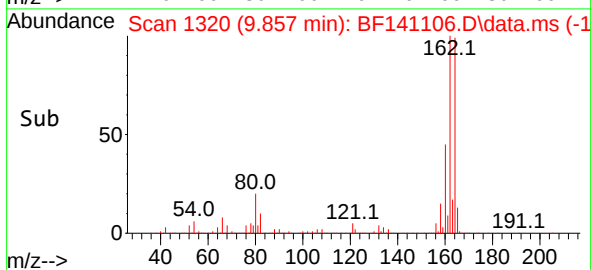
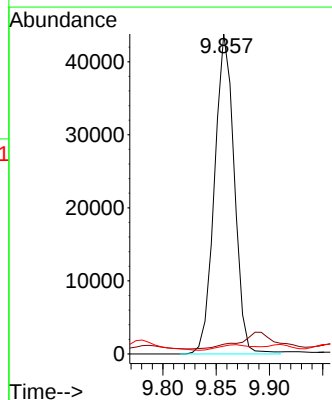
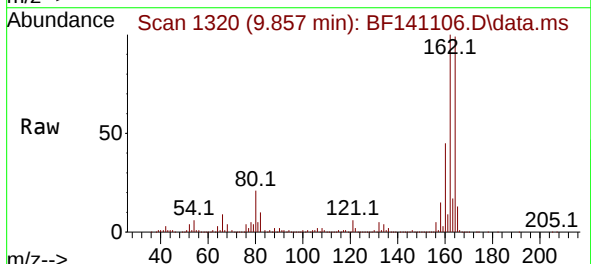
Instrument :
BNA_F
ClientSampleId :
28612

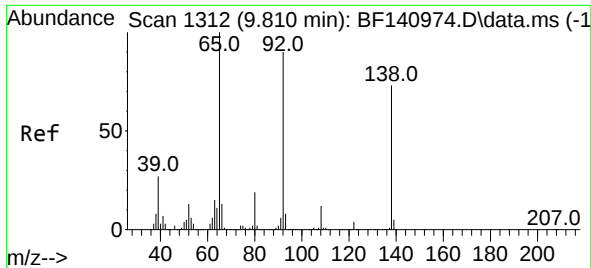
Tgt Ion: 65 Resp: 1405
Ion Ratio Lower Upper
65 100
92 47.5 55.6 83.4#
138 0.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.706 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:165 Resp: 56687
Ion Ratio Lower Upper
165 100
63 3.1 47.1 70.7#
89 2.5 47.0 70.4#

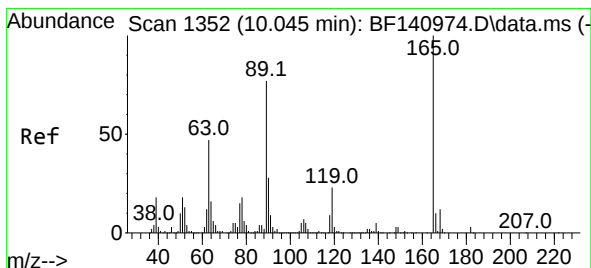
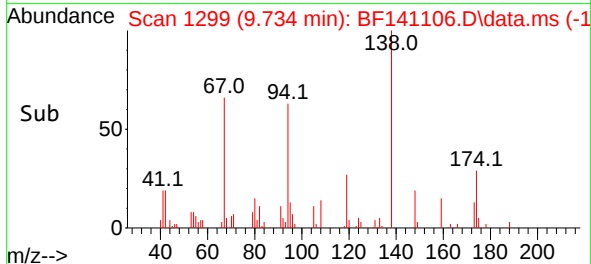
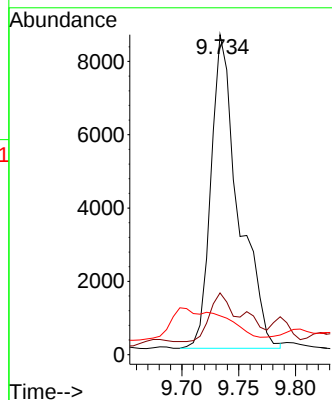
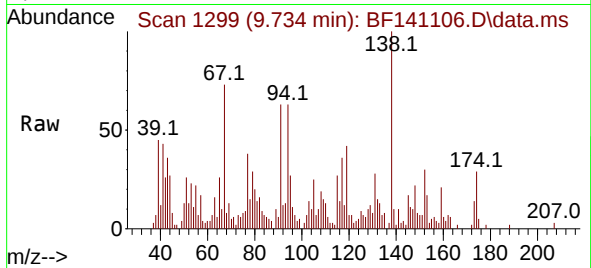




#53
3-Nitroaniline
Concen: 5.398 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.076 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

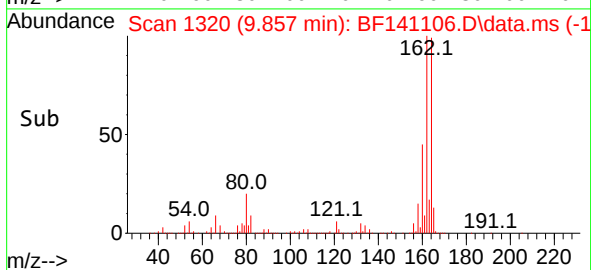
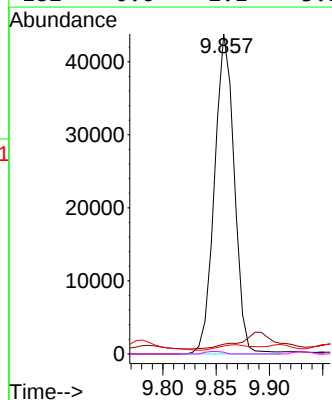
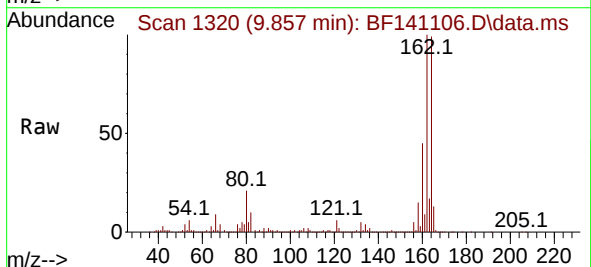
Instrument :
BNA_F
ClientSampleId :
28612

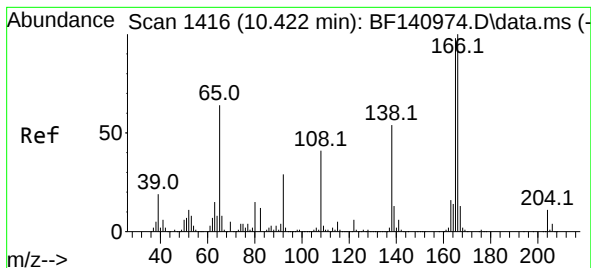
Tgt Ion:138 Resp: 14399
Ion Ratio Lower Upper
138 100
108 19.3 13.5 20.3
92 12.2 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.755 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:165 Resp: 56687
Ion Ratio Lower Upper
165 100
63 3.1 38.1 57.1#
89 2.5 61.4 92.2#
182 0.6 2.1 3.1#

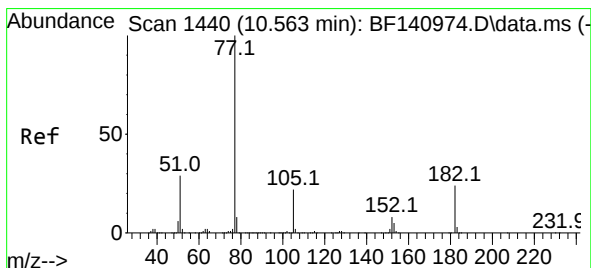
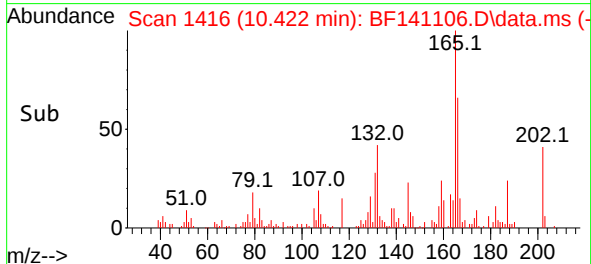
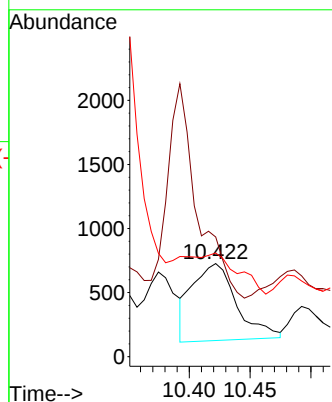
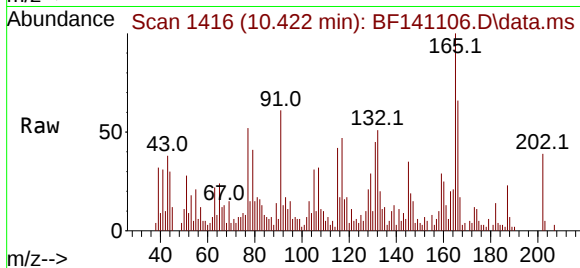




#62
4-Nitroaniline
Concen: 3.572 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

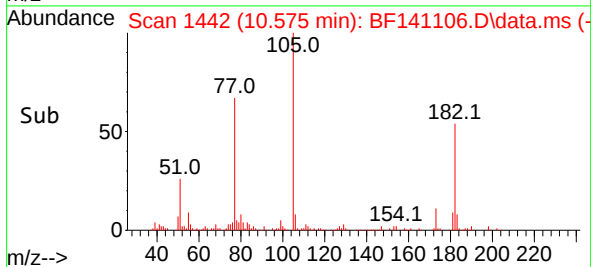
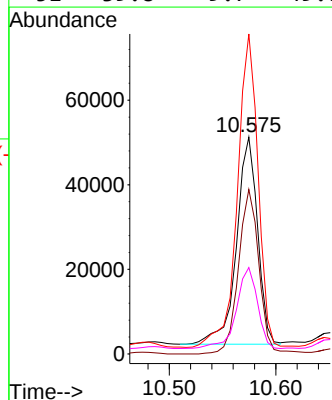
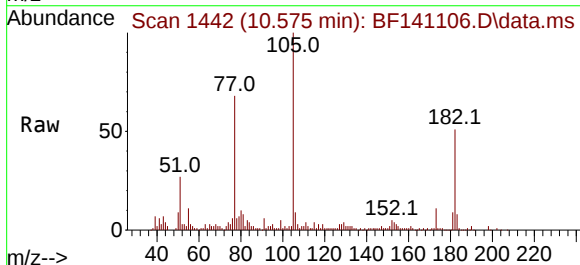
Instrument :
BNA_F
ClientSampleId :
28612

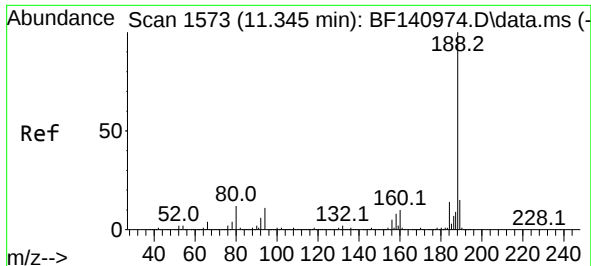
Tgt Ion:138 Resp: 1530
Ion Ratio Lower Upper
138 100
92 128.7 34.8 74.8#
108 111.4 55.9 95.9#



#63
Azobenzene
Concen: 2.298 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.012 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion: 77 Resp: 67546
Ion Ratio Lower Upper
77 100
182 75.9 4.1 44.1#
105 147.6 1.8 41.8#
51 39.8 9.7 49.7

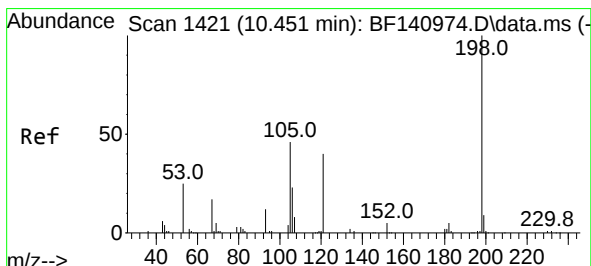
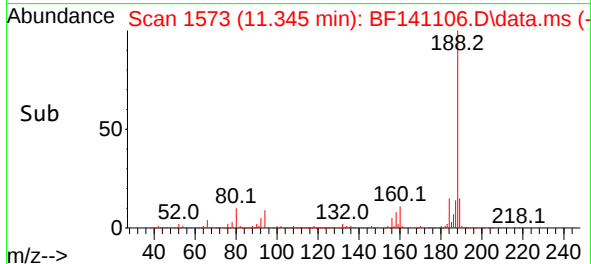
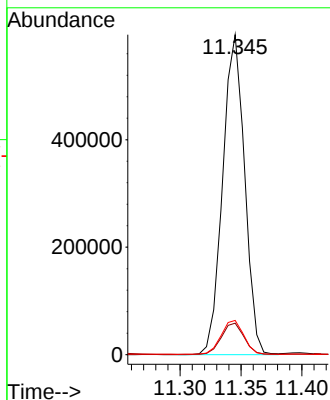
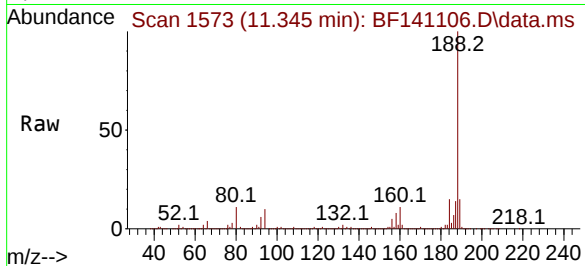




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

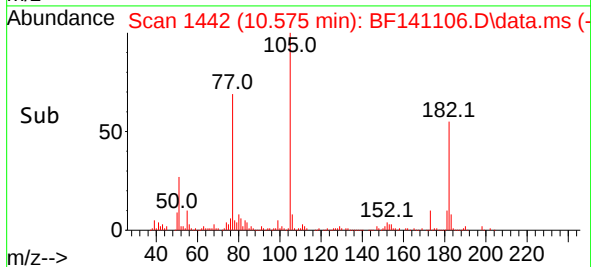
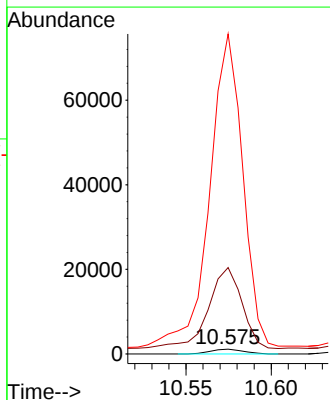
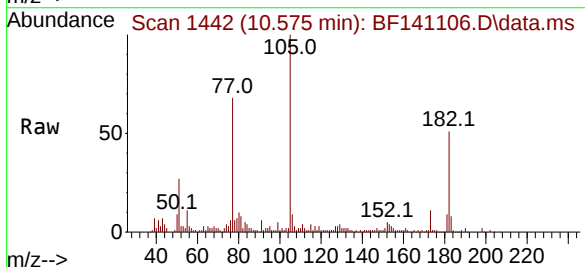
Instrument :
BNA_F
ClientSampleId :
28612

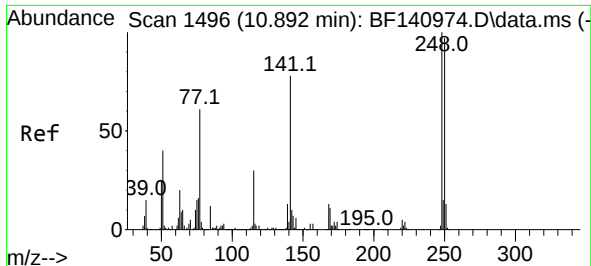
Tgt Ion:188 Resp: 746722
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.6
80 10.7 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 9.755 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.124 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:198 Resp: 1520
Ion Ratio Lower Upper
198 100
51 1786.0 32.3 72.3#
105 6614.0 28.4 68.4#

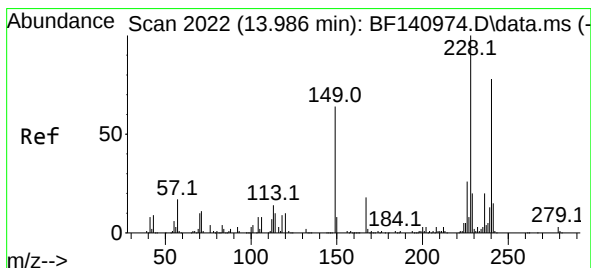
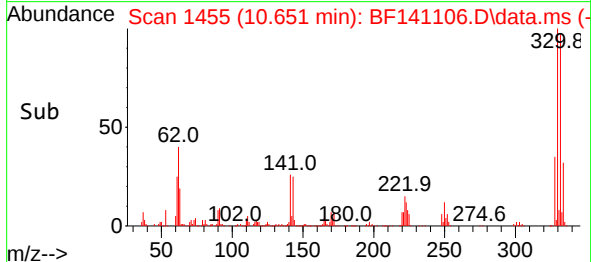
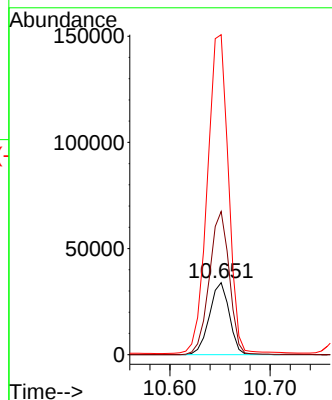
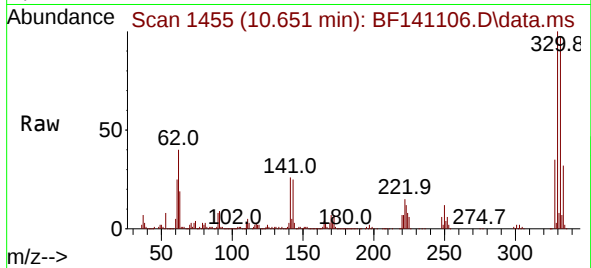




#67
4-Bromophenyl-phenylether
Concen: 5.808 ng
RT: 10.651 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

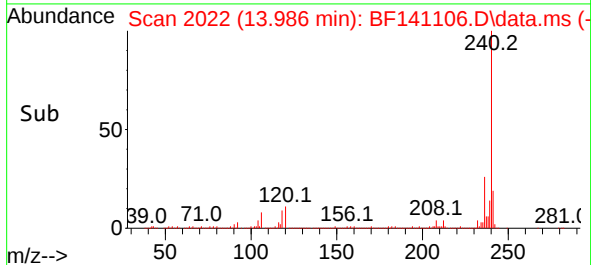
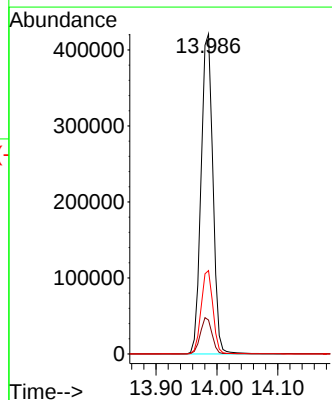
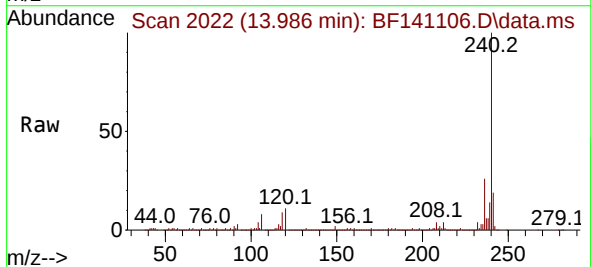
Instrument :
BNA_F
ClientSampleId :
28612

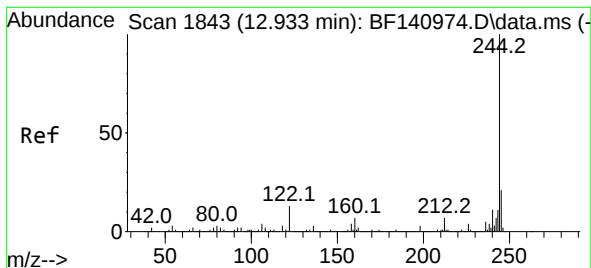
Tgt Ion:248 Resp: 46884
Ion Ratio Lower Upper
248 100
250 198.8 77.7 116.5#
141 444.2 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141106.D
Acq: 09 Jan 2025 16:00

Tgt Ion:240 Resp: 567176
Ion Ratio Lower Upper
240 100
120 10.6 10.7 16.1#
236 26.1 20.6 31.0





#79

Terphenyl-d14

Concen: 83.703 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

Instrument :

BNA_F

ClientSampleId :

28612

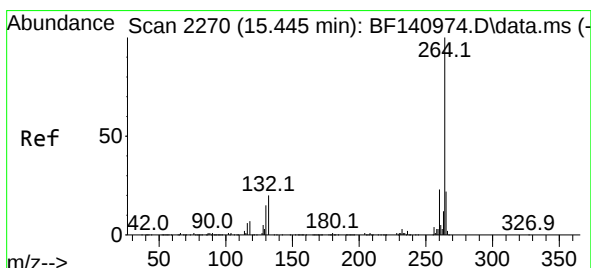
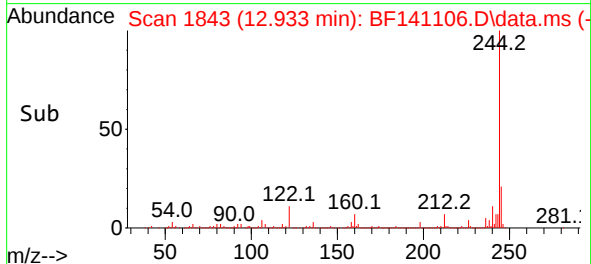
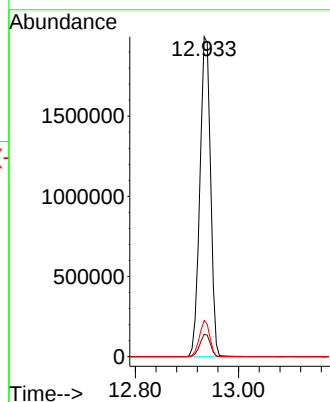
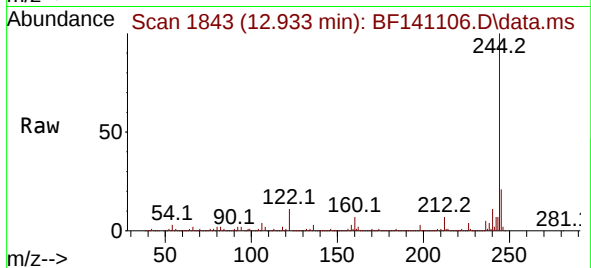
Tgt Ion:244 Resp: 2858171

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.3 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF141106.D

Acq: 09 Jan 2025 16:00

Tgt Ion:264 Resp: 421393

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.8 17.4 26.2

