

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
 Data File : BF140966.D
 Acq On : 23 Dec 2024 15:01
 Operator : RC/JU
 Sample : P5291-05DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW2-20241213DL

Quant Time: Dec 23 15:36:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

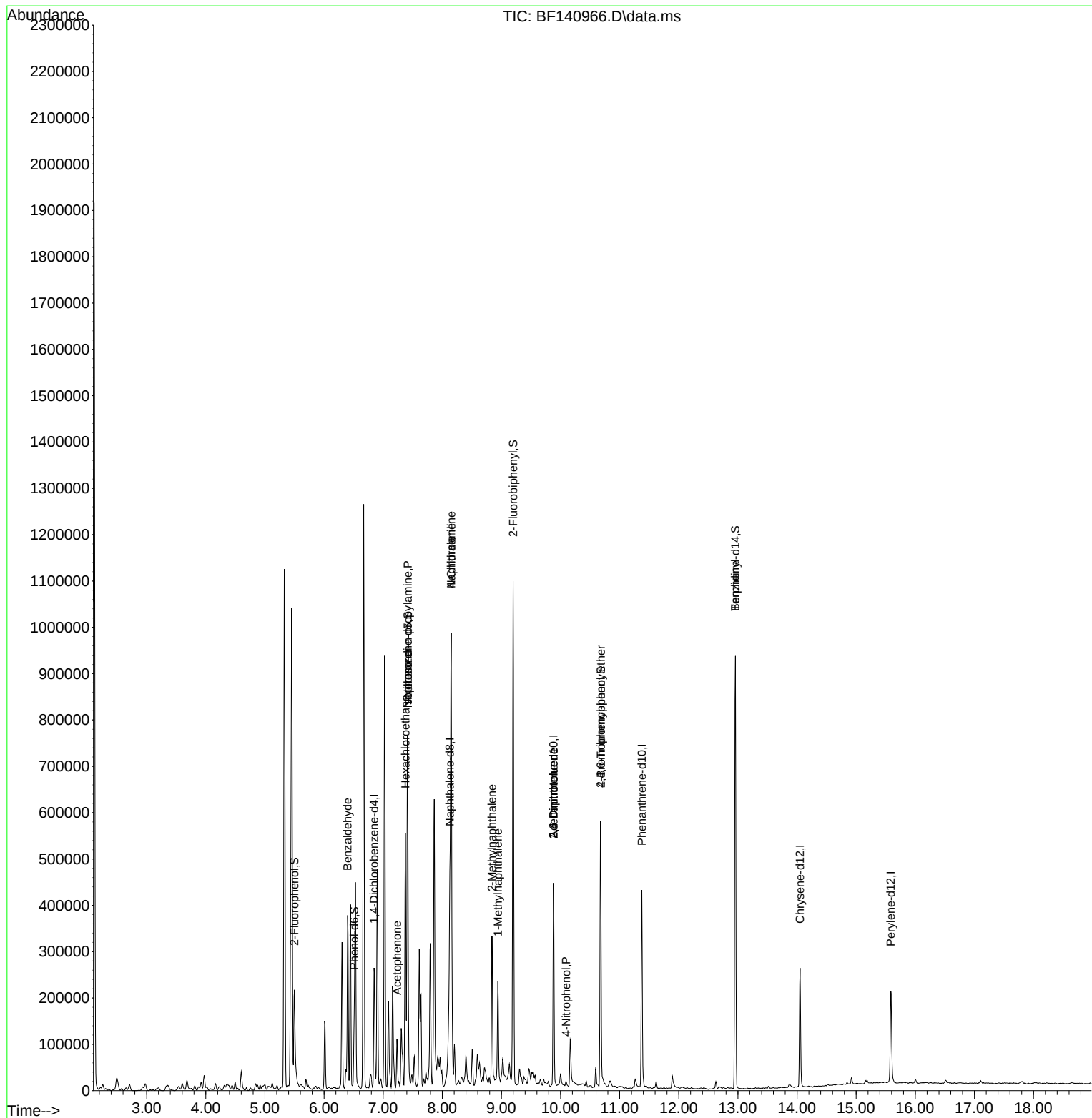
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	58565	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	225919	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	131761	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	224646	20.000	ng	0.00
76) Chrysene-d12	14.051	240	137117	20.000	ng	0.02
86) Perylene-d12	15.586	264	130425	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	115697	32.521	ng	0.01
7) Phenol-d6	6.510	99	90601	19.227	ng	0.01
23) Nitrobenzene-d5	7.416	82	218048	48.288	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	109129	70.028	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	484923	50.599	ng	0.00
79) Terphenyl-d14	12.957	244	465565	53.541	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	24388	9.341	ng	# 1
18) Hexachloroethane	7.375	117	55966	33.502	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	31129	11.013	ng	# 78
22) Acetophenone	7.234	105	62954	11.139	ng	# 54
25) Isophorone	7.416	82	215706	28.510	ng	# 65
31) Naphthalene	8.151	128	572174	46.106	ng	99
33) 4-Chloroaniline	8.151	127	77664	18.843	ng	# 32
37) 2-Methylnaphthalene	8.839	142	120020	14.620	ng	100
38) 1-Methylnaphthalene	8.939	142	76198	9.385	ng	99
51) 2,6-Dinitrotoluene	9.881	165	17612	8.293	ng	# 23
56) 4-Nitrophenol	10.092	139	1937	6.055	ng	# 12
57) 2,4-Dinitrotoluene	9.881	165	17612	6.303	ng	# 17
67) 4-Bromophenyl-phenylether	10.681	248	6732	2.679	ng	# 1
77) Benzidine	12.957	184	5704	2.038	ng	# 93

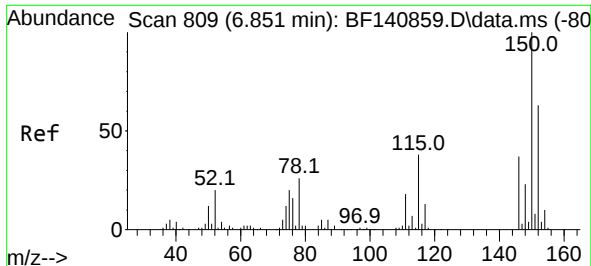
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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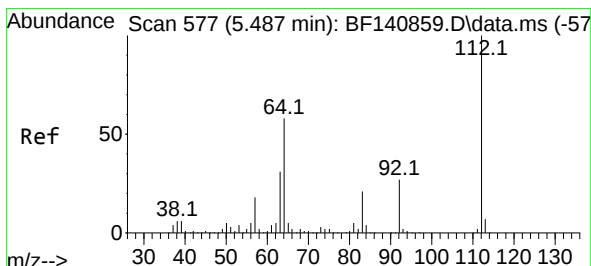
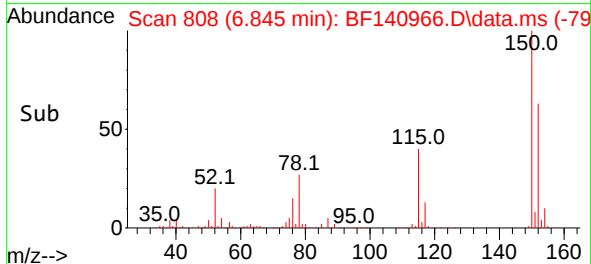
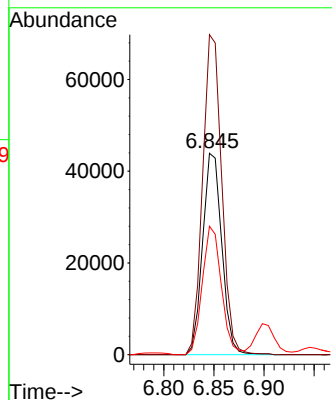
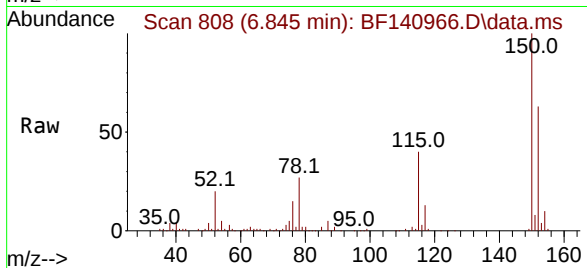




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

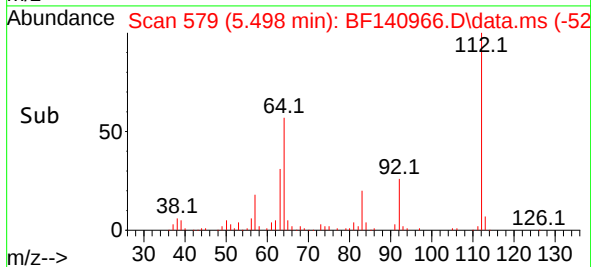
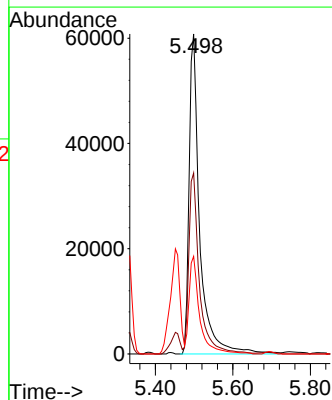
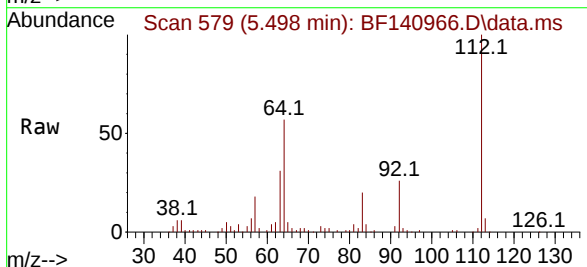
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL

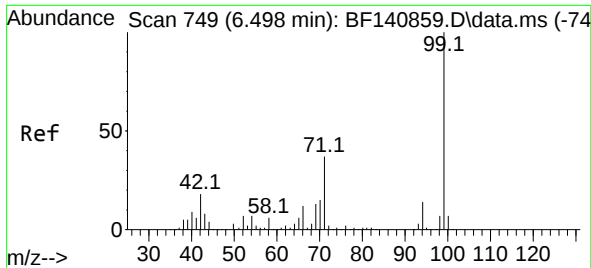
Tgt Ion:152 Resp: 58565
Ion Ratio Lower Upper
152 100
150 158.8 127.9 191.9
115 63.8 48.0 72.0



#5
2-Fluorophenol
Concen: 32.521 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:112 Resp: 115697
Ion Ratio Lower Upper
112 100
64 56.5 46.1 69.1
63 30.5 24.9 37.3

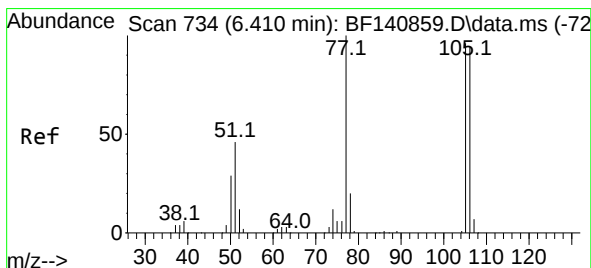
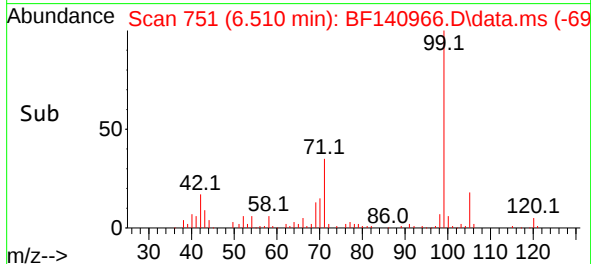
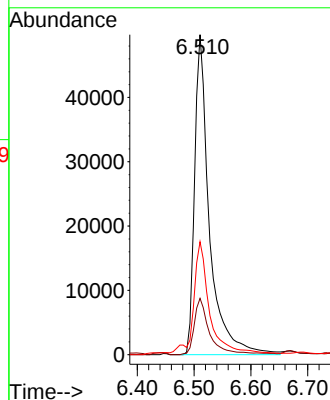
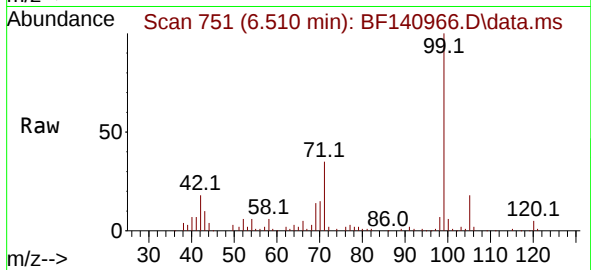




#7
Phenol-d6
Concen: 19.227 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.012 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

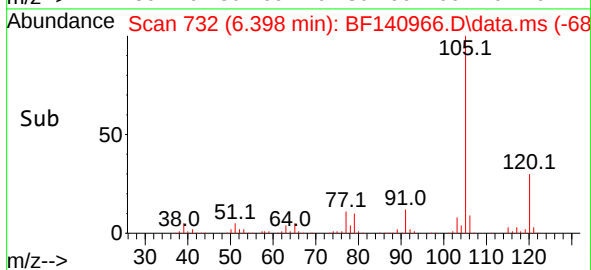
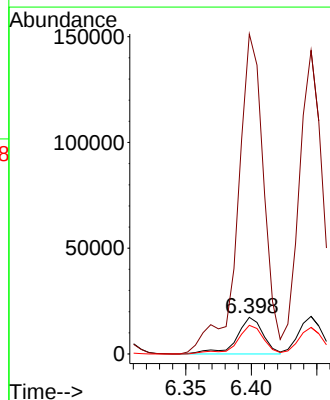
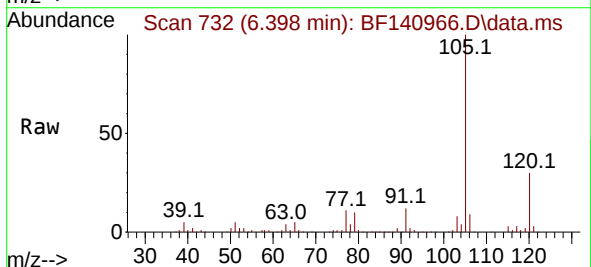
Instrument :
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ClientSampleId :
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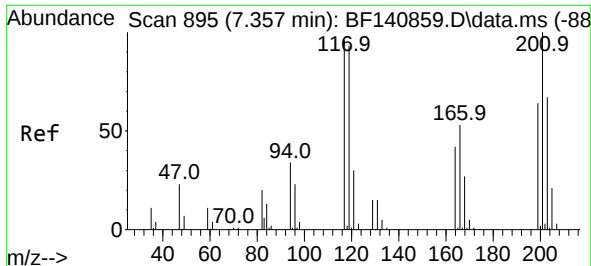
Tgt Ion: 99 Resp: 90601
Ion Ratio Lower Upper
99 100
42 17.6 14.3 21.5
71 35.3 29.9 44.9



#9
Benzaldehyde
Concen: 9.341 ng
RT: 6.398 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion: 77 Resp: 24388
Ion Ratio Lower Upper
77 100
105 874.3 75.8 115.8#
106 78.4 74.1 114.1

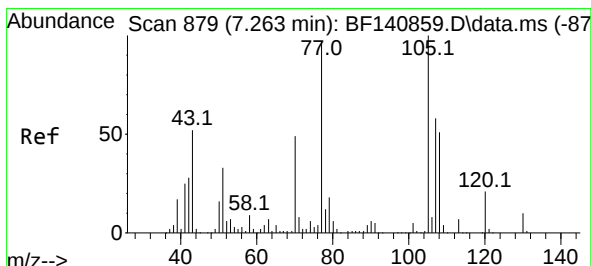
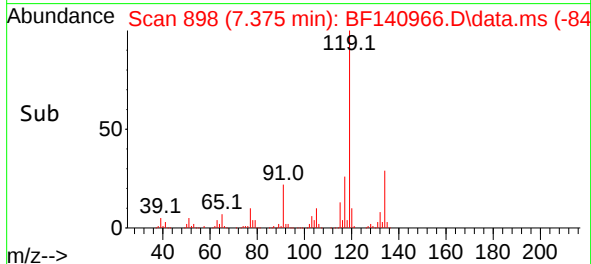
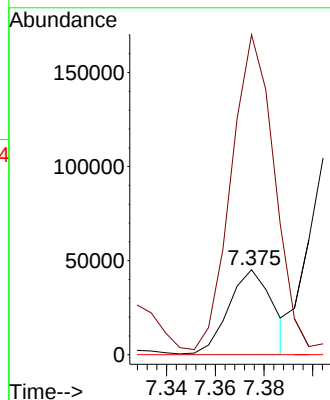
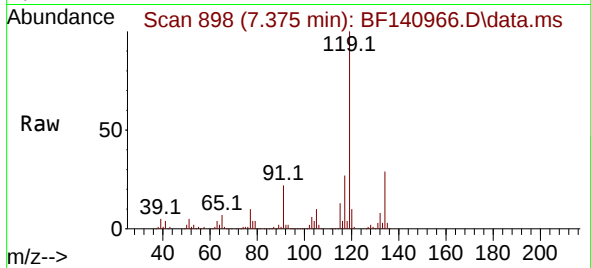




#18
Hexachloroethane
Concen: 33.502 ng
RT: 7.375 min Scan# 89
Delta R.T. 0.018 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

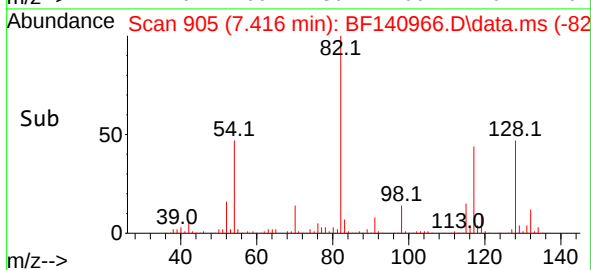
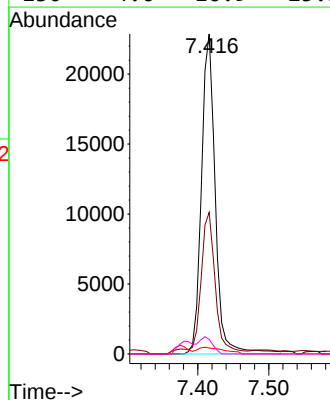
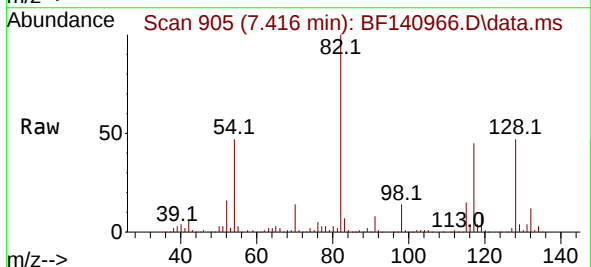
Instrument :
BNA_F
ClientSampleId :
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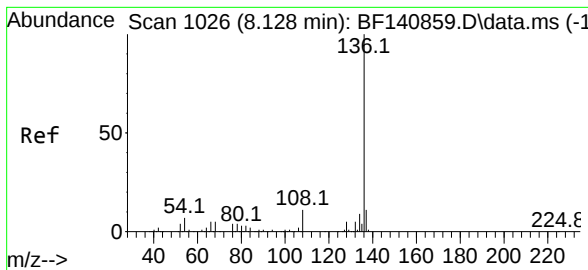
Tgt Ion:117 Resp: 55966
Ion Ratio Lower Upper
117 100
119 376.8 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 11.013 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion: 70 Resp: 31129
Ion Ratio Lower Upper
70 100
42 44.3 45.3 67.9#
101 1.9 8.0 12.0#
130 4.6 16.9 25.3#

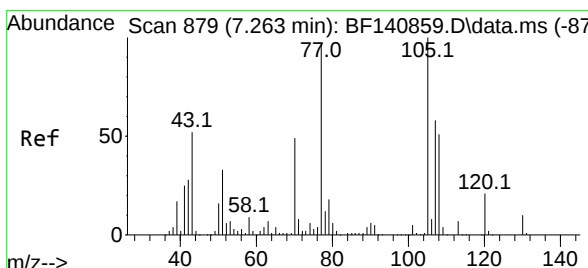
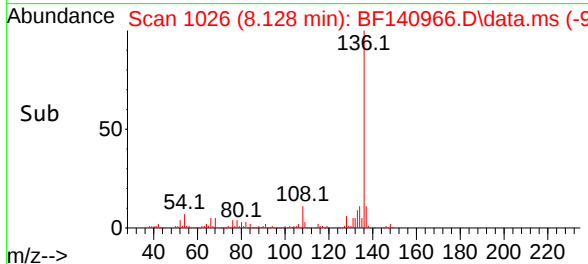
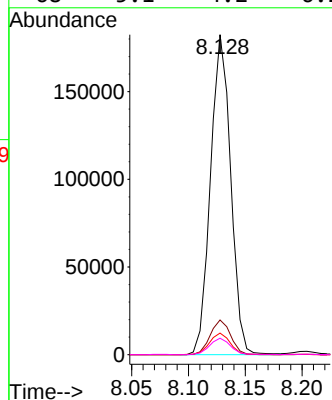
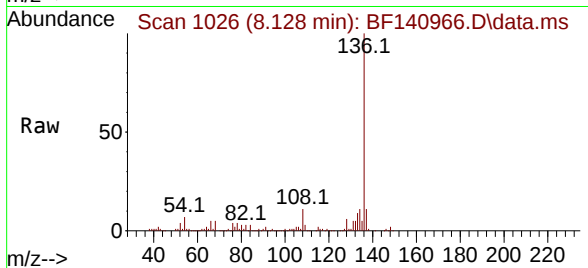




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

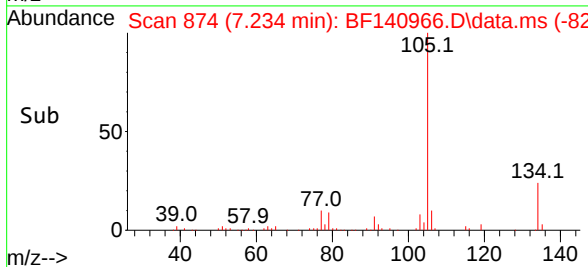
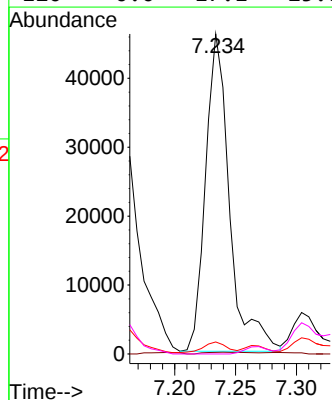
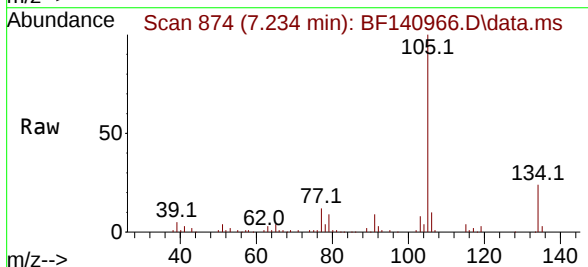
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ClientSampleId :
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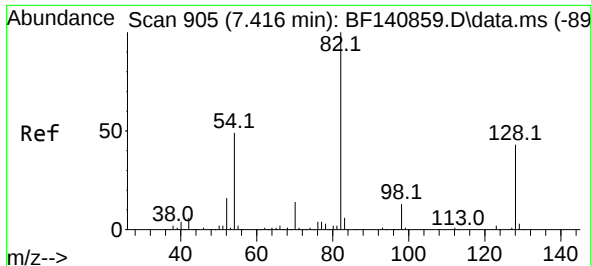
Tgt Ion:	136	Resp:	225919
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	6.7	5.6	8.4
68	5.1	4.2	6.2



#22
Acetophenone
Concen: 11.139 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.029 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:	105	Resp:	62954
Ion Ratio	Lower	Upper	
105	100		
71	0.5	6.2	9.4#
51	3.8	26.3	39.5#
120	0.0	17.1	25.7#

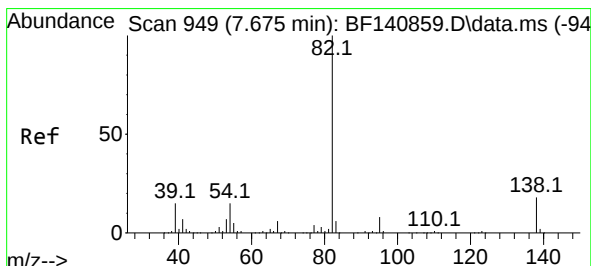
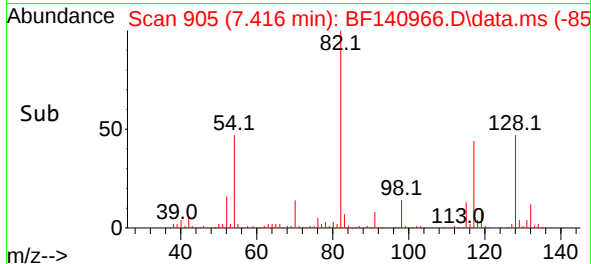
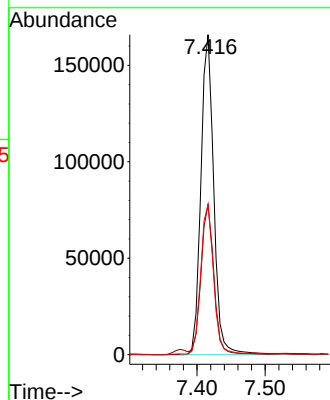
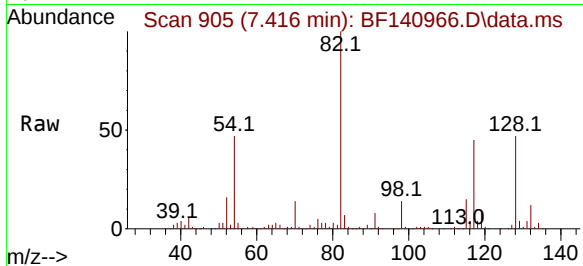




#23
Nitrobenzene-d5
Concen: 48.288 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

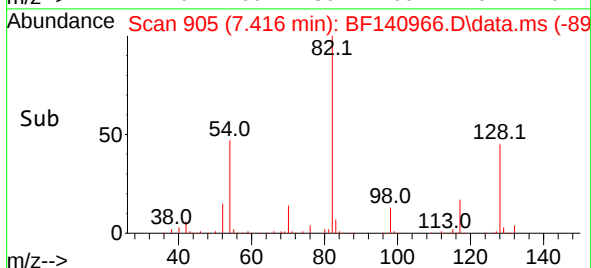
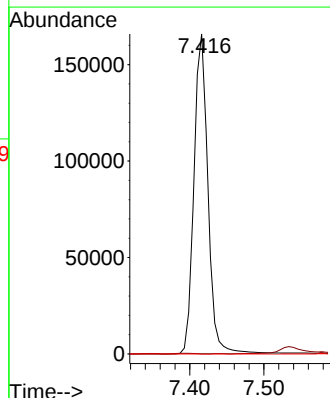
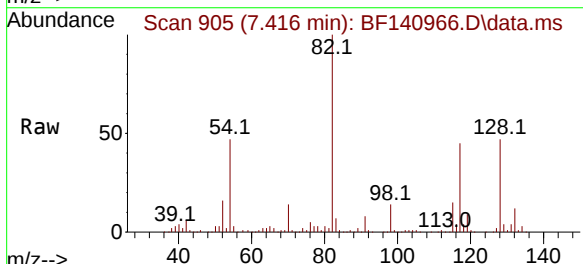
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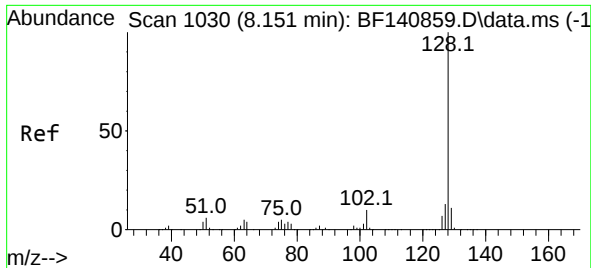
Tgt Ion: 82 Resp: 218048
Ion Ratio Lower Upper
82 100
128 46.9 34.4 51.6
54 46.9 38.8 58.2



#25
Isophorone
Concen: 28.510 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion: 82 Resp: 215706
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#

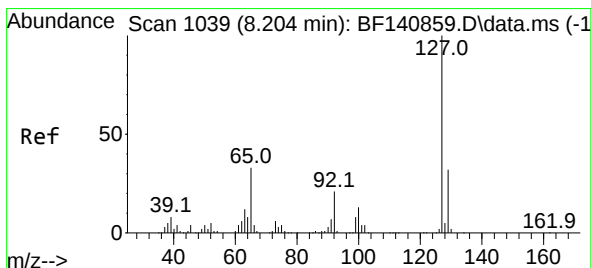
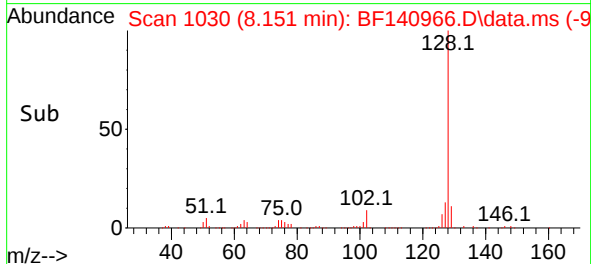
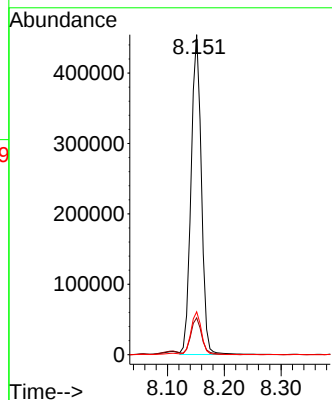
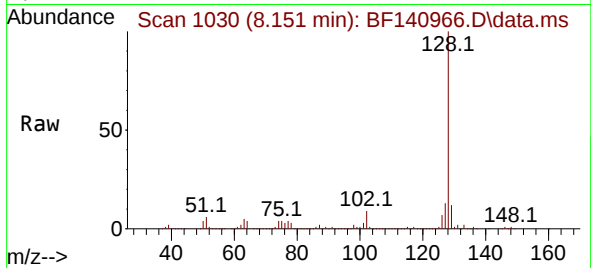




#31
Naphthalene
Concen: 46.106 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

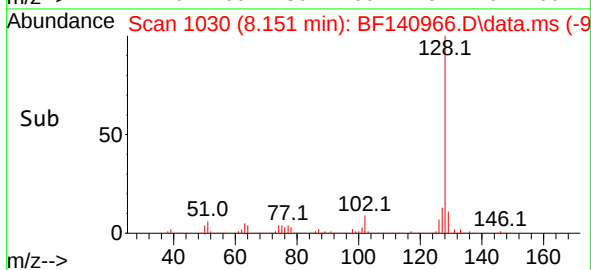
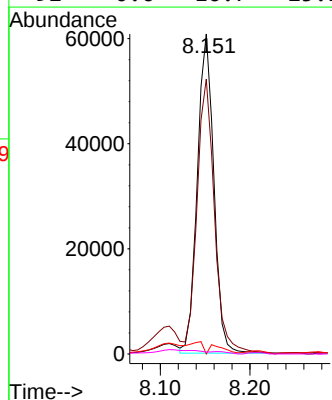
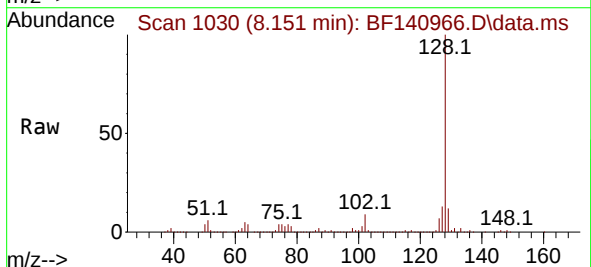
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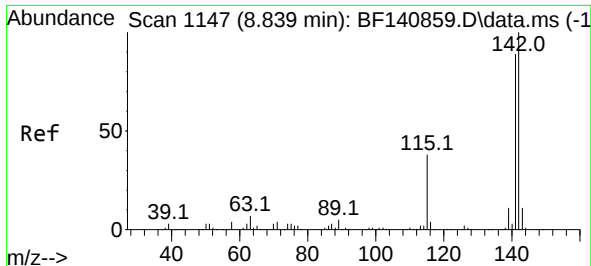
Tgt Ion:128 Resp: 572174
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.4 10.6 16.0



#33
4-Chloroaniline
Concen: 18.843 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.053 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:127 Resp: 77664
Ion Ratio Lower Upper
127 100
129 85.9 26.0 39.0#
65 0.0 26.0 39.0#
92 0.6 16.7 25.1#

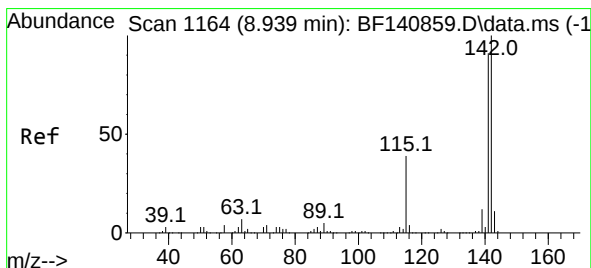
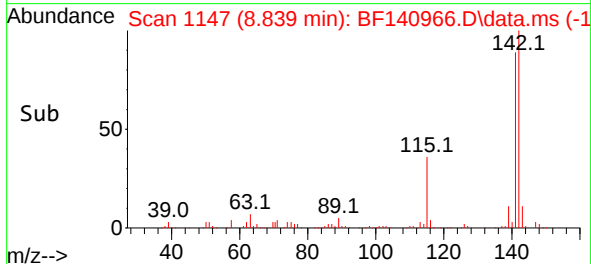
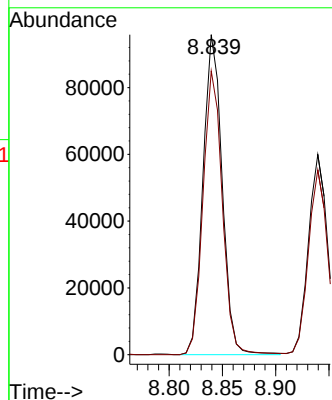
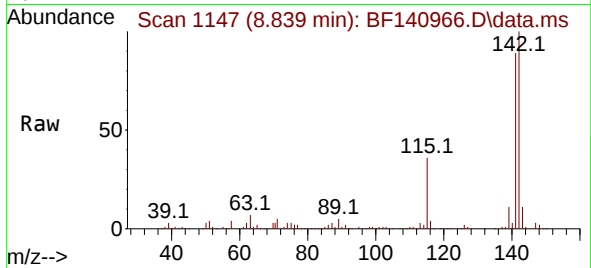




#37
2-Methylnaphthalene
Concen: 14.620 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

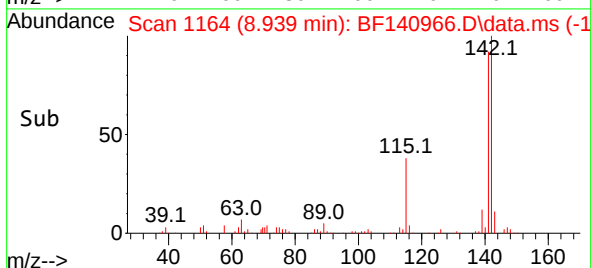
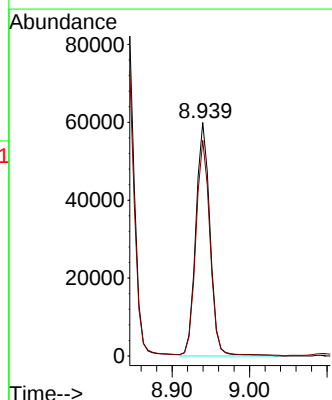
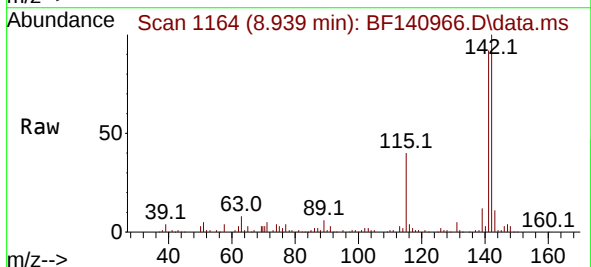
Instrument :
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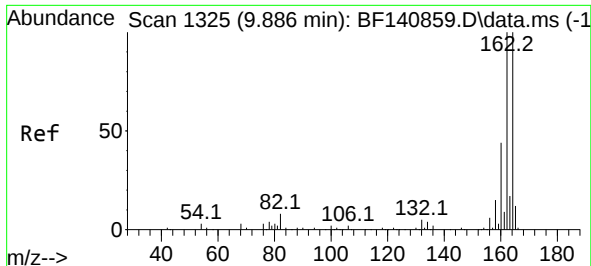
Tgt Ion:142 Resp: 120020
Ion Ratio Lower Upper
142 100
141 88.7 71.0 106.6



#38
1-Methylnaphthalene
Concen: 9.385 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

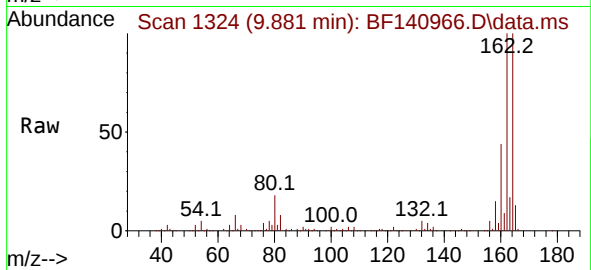
Tgt Ion:142 Resp: 76198
Ion Ratio Lower Upper
142 100
141 92.3 73.4 110.0



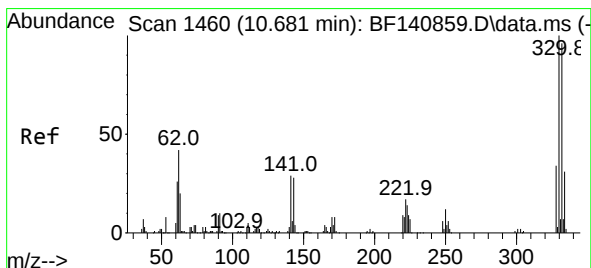
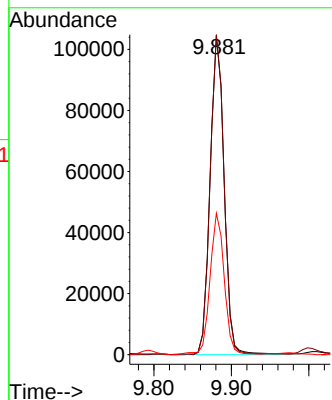
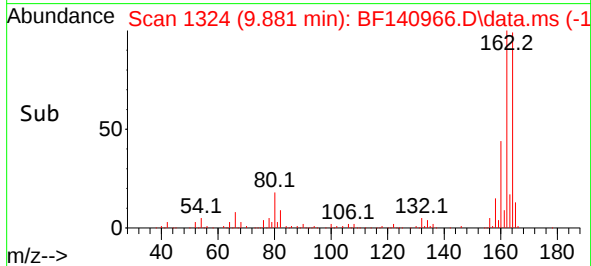


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

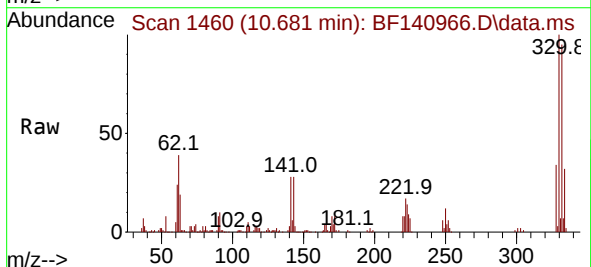
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL



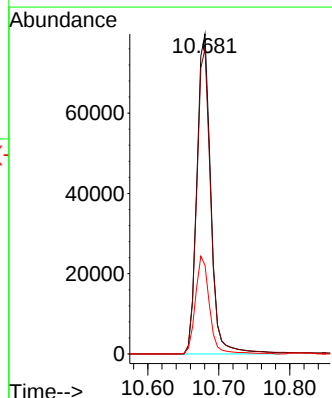
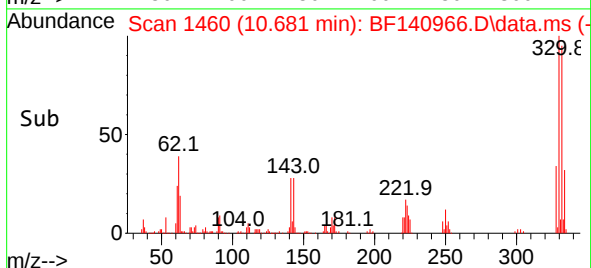
Tgt Ion:164 Resp: 131761
Ion Ratio Lower Upper
164 100
162 100.3 79.9 119.9
160 44.3 35.2 52.8

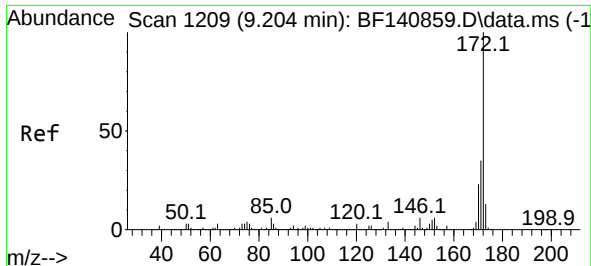


#42
2,4,6-Tribromophenol
Concen: 70.028 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01



Tgt Ion:330 Resp: 109129
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 30.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 50.599 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

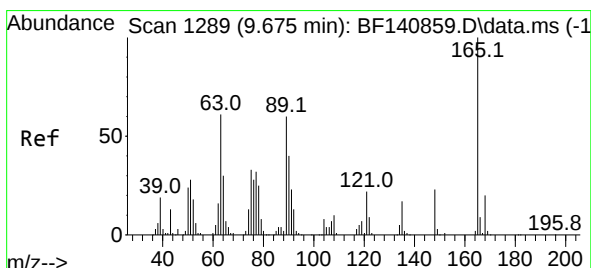
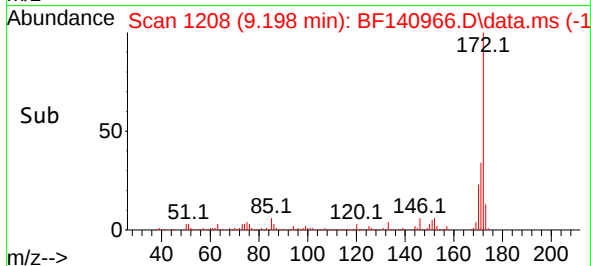
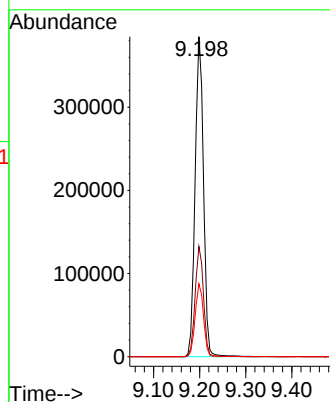
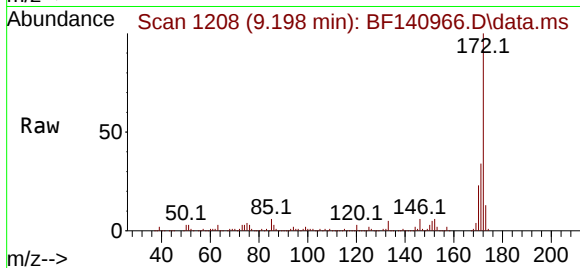
Tgt Ion:172 Resp: 484923

Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 22.8 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 8.293 ng

RT: 9.881 min Scan# 1324

Delta R.T. 0.206 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

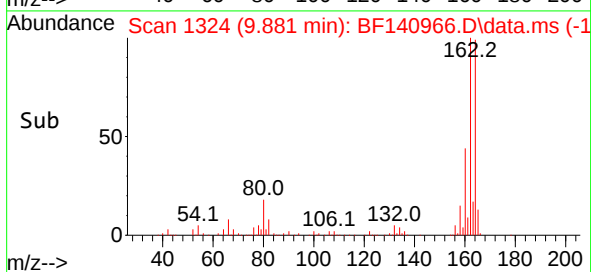
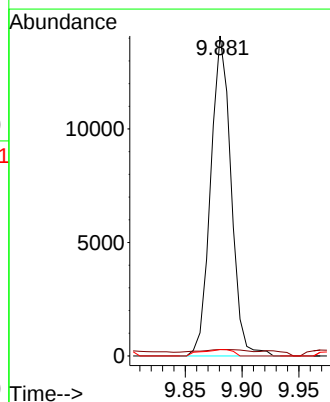
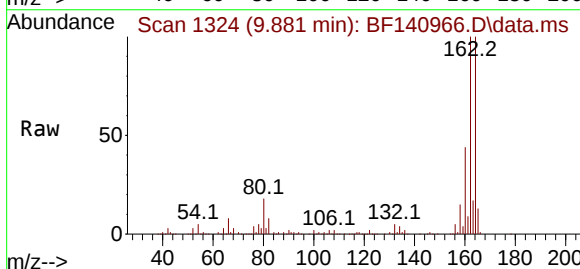
Tgt Ion:165 Resp: 17612

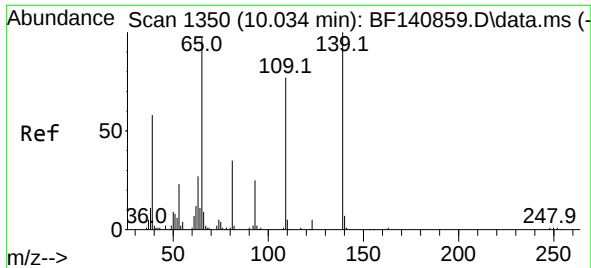
Ion Ratio Lower Upper

165 100

63 2.0 49.7 74.5#

89 2.0 48.2 72.4#

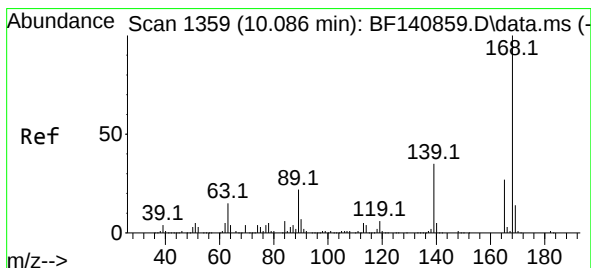
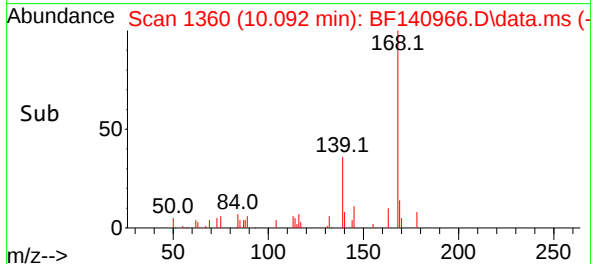
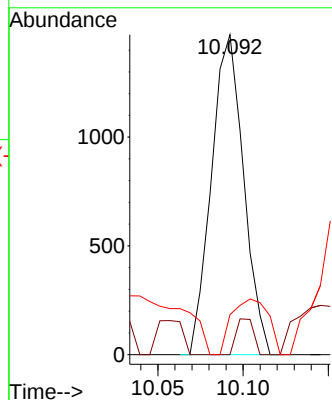
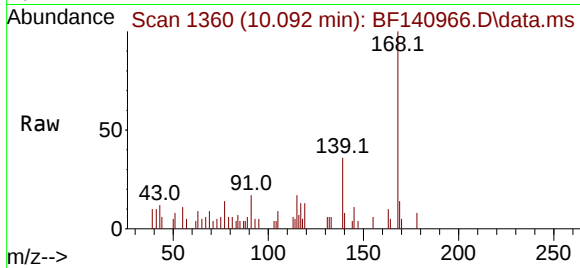




#56
4-Nitrophenol
Concen: 6.055 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

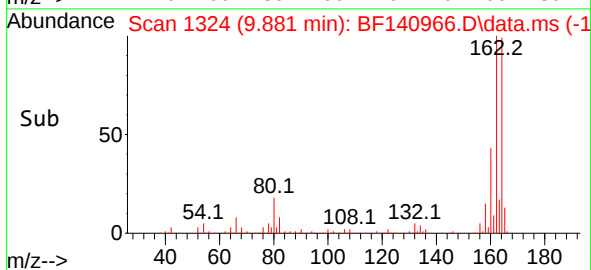
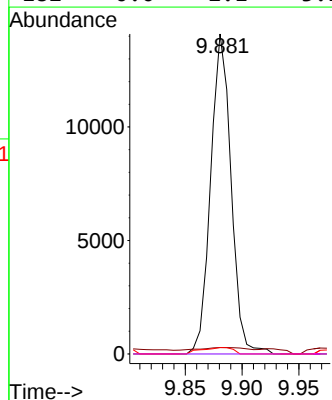
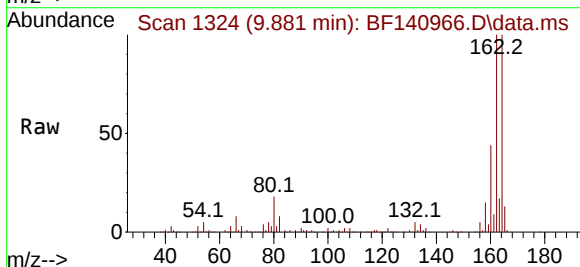
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL

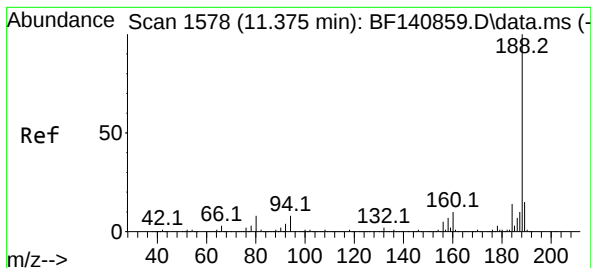
Tgt Ion:139 Resp: 1937
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 12.5 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 6.303 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:165 Resp: 17612
Ion Ratio Lower Upper
165 100
63 2.0 49.3 73.9#
89 2.0 66.2 99.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

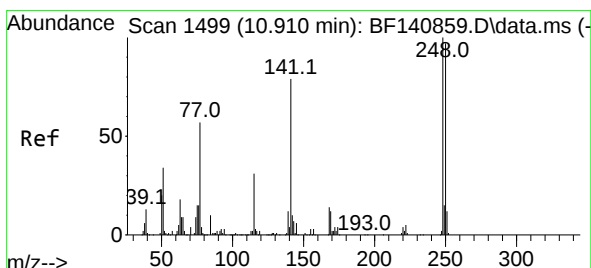
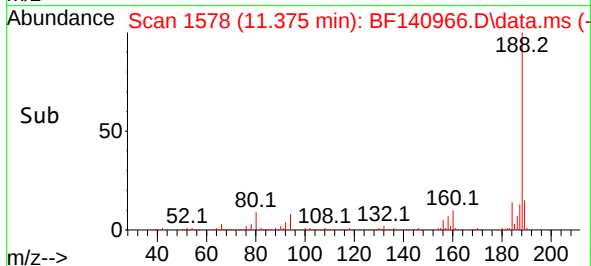
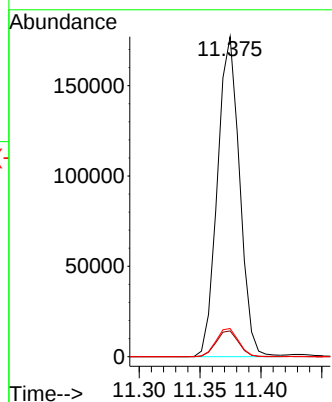
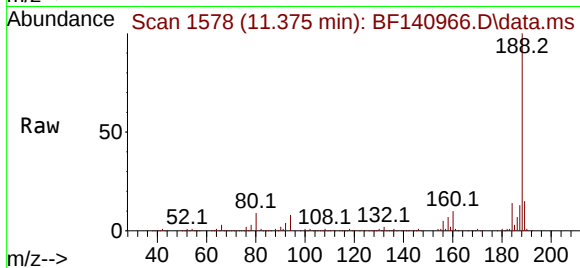
Tgt Ion:188 Resp: 224646

Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.8 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 2.679 ng

RT: 10.681 min Scan# 1460

Delta R.T. -0.229 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

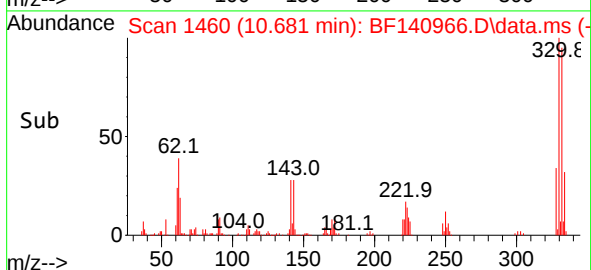
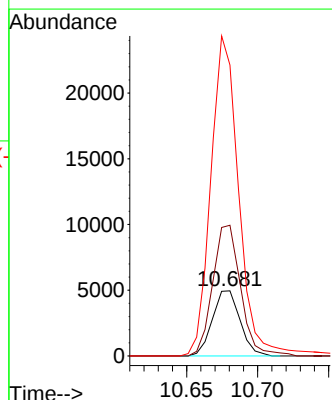
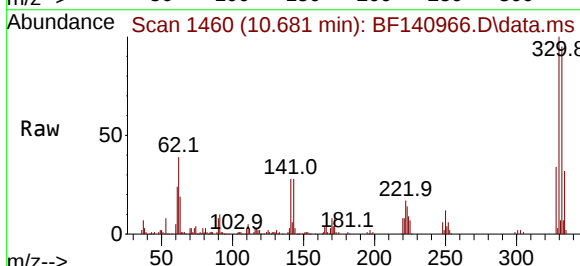
Tgt Ion:248 Resp: 6732

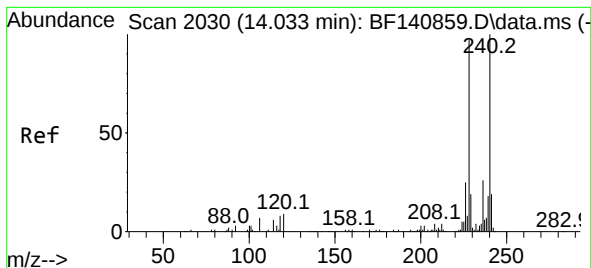
Ion Ratio Lower Upper

248 100

250 200.7 77.4 116.2#

141 446.2 62.9 94.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.018 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

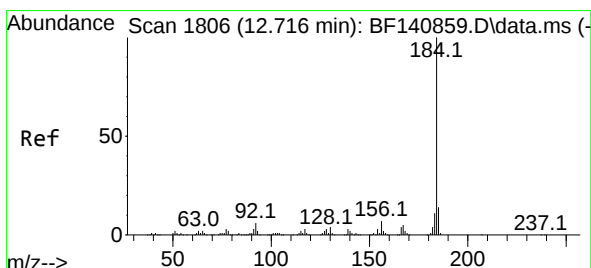
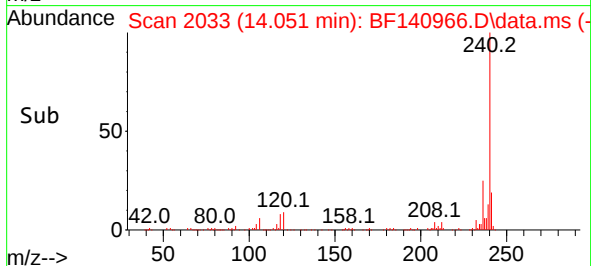
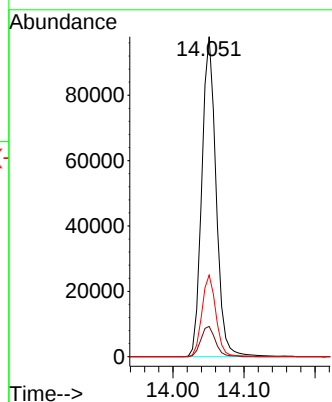
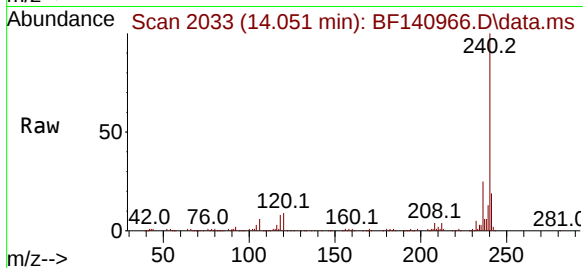
Tgt Ion:240 Resp: 137117

Ion Ratio Lower Upper

240 100

120 9.5 7.6 11.4

236 25.5 20.5 30.7



#77

Benzidine

Concen: 2.038 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

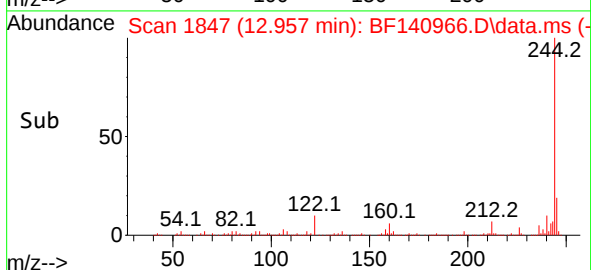
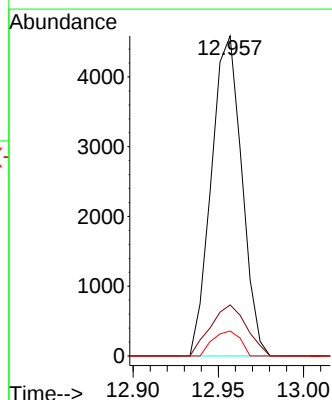
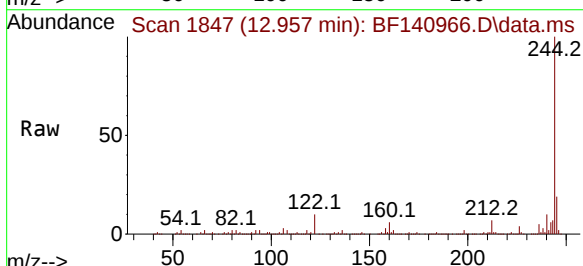
Tgt Ion:184 Resp: 5704

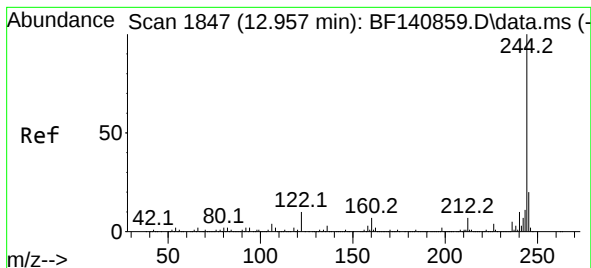
Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

183 7.8 9.0 13.4#





#79

Terphenyl-d14

Concen: 53.541 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

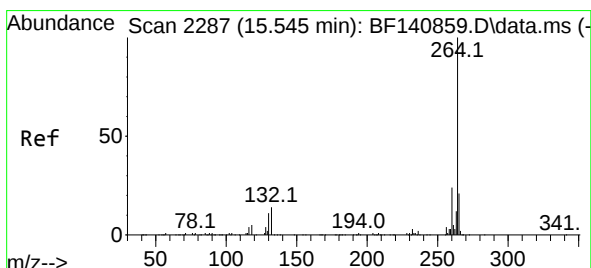
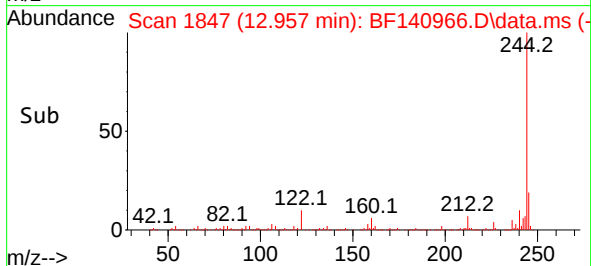
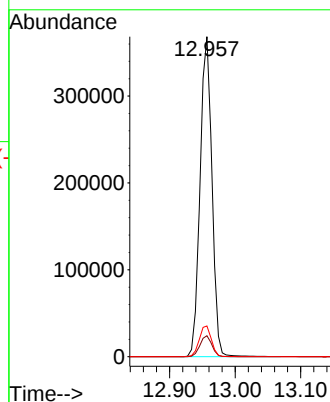
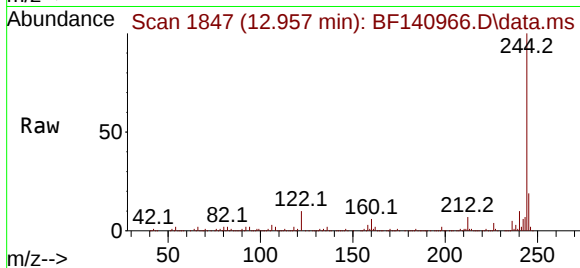
Tgt Ion:244 Resp: 465565

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 9.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2294

Delta R.T. 0.041 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Tgt Ion:264 Resp: 130425

Ion Ratio Lower Upper

264 100

260 22.7 19.1 28.7

265 21.8 17.0 25.4

