

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140928.D
 Acq On : 19 Dec 2024 16:05
 Operator : RC/JU
 Sample : P5291-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW2-20241213

Quant Time: Dec 19 16:34:59 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)

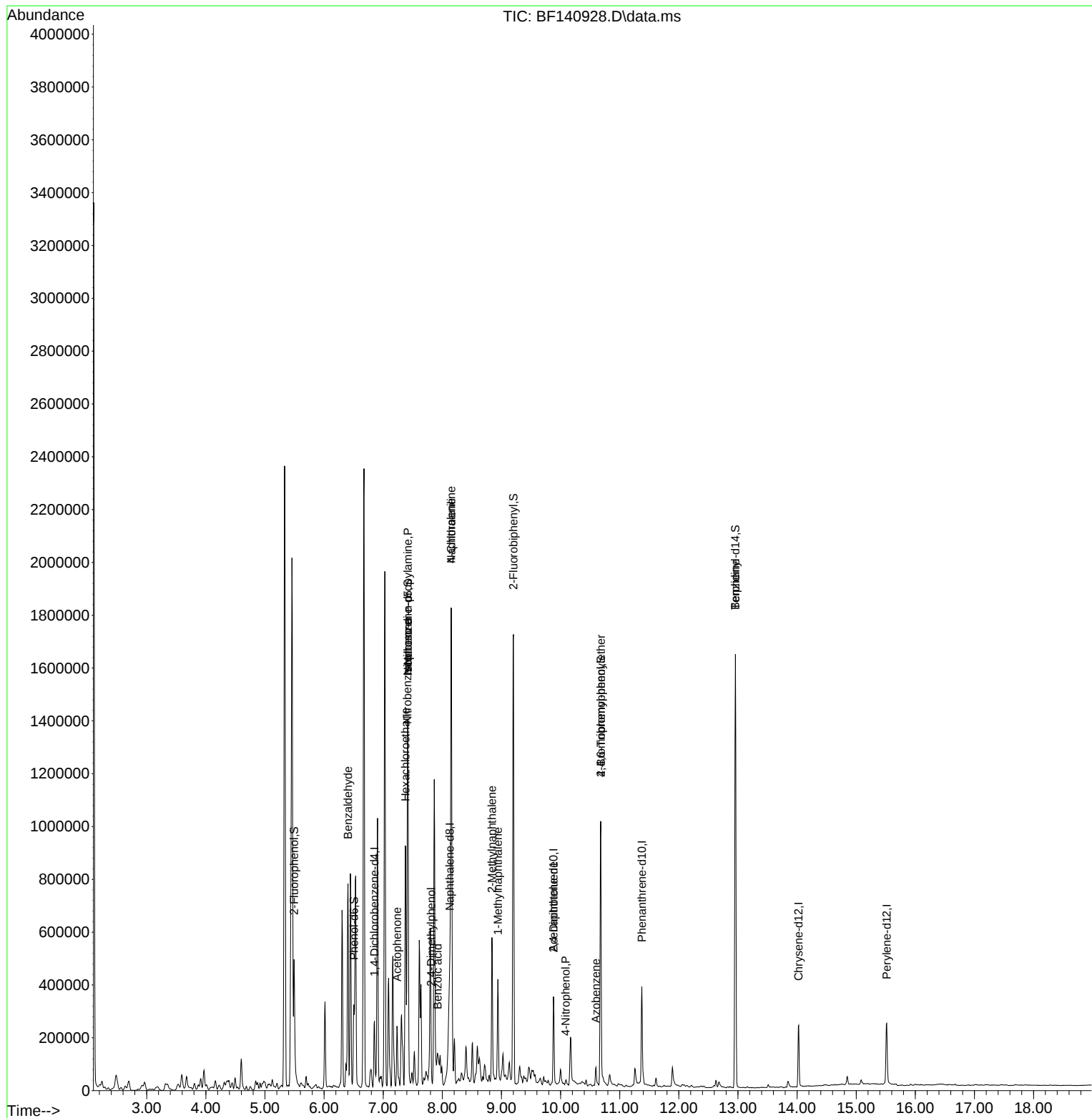
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	57762	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	194711	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	97803	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	191963	20.000	ng	0.00
76) Chrysene-d12	14.027	240	119938	20.000	ng	0.00
86) Perylene-d12	15.515	264	149451	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	227929	64.958	ng	0.00
7) Phenol-d6	6.504	99	185862	39.992	ng	0.00
23) Nitrobenzene-d5	7.416	82	398707	102.448	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	190170	164.403	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	784489	110.278	ng	0.00
79) Terphenyl-d14	12.957	244	819862	107.790	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	51611	20.042	ng	# 1
18) Hexachloroethane	7.375	117	107357	65.159	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	54231	19.453	ng	# 79
22) Acetophenone	7.234	105	137992	28.331	ng	# 55
24) Nitrobenzene	7.410	77	14273	3.580	ng	# 3
25) Isophorone	7.416	82	394047	60.428	ng	# 65
27) 2,4-Dimethylphenol	7.810	122	7300	3.404	ng	92
31) Naphthalene	8.151	128	1085620	101.501	ng	99
32) Benzoic acid	7.922	122	8149	4.007	ng	# 43
33) 4-Chloroaniline	8.151	127	145901	41.072	ng	# 32
37) 2-Methylnaphthalene	8.839	142	211474	29.890	ng	98
38) 1-Methylnaphthalene	8.939	142	133791	19.121	ng	98
56) 4-Nitrophenol	10.086	139	3593	8.475	ng	# 20
57) 2,4-Dinitrotoluene	9.880	165	13671	6.592	ng	# 18
63) Azobenzene	10.598	77	18240	2.713	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	11780	5.485	ng	# 1
77) Benzidine	12.957	184	10188	4.162	ng	# 90

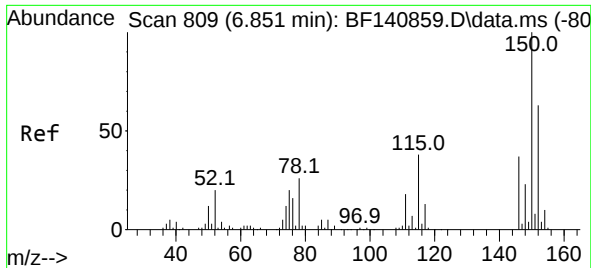
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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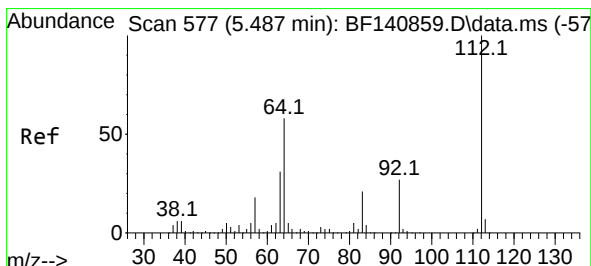
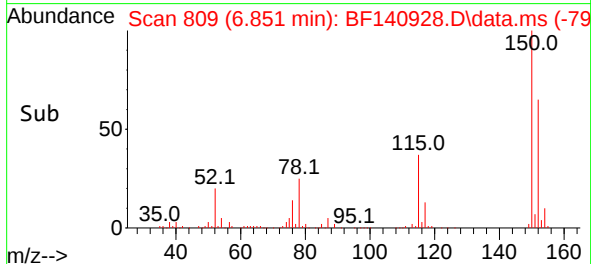
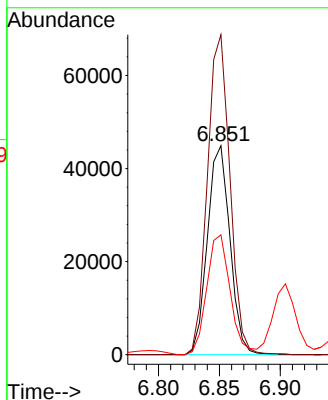
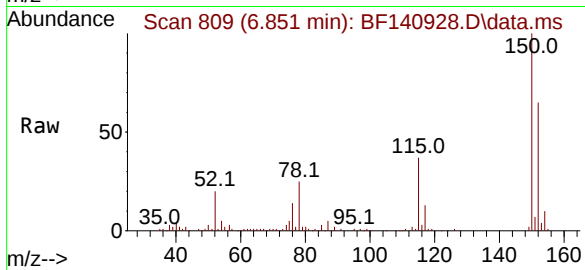




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

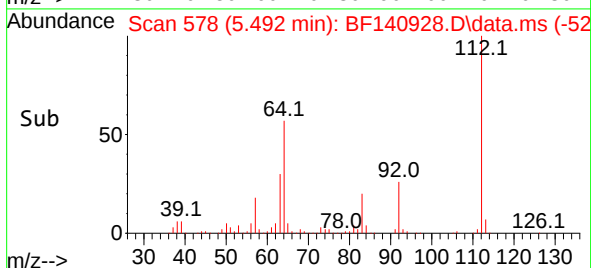
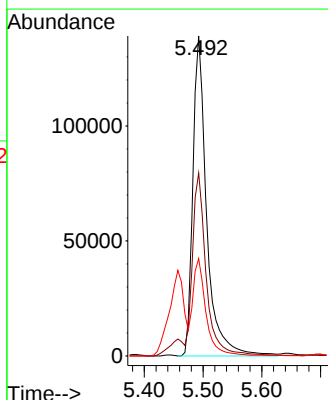
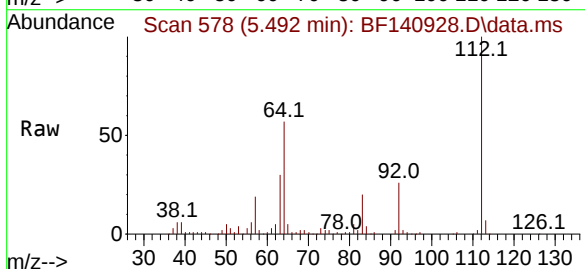
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

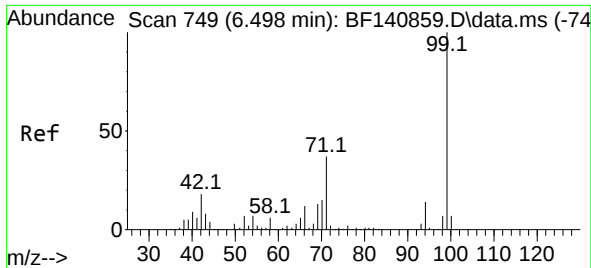
Tgt Ion:152 Resp: 57762
Ion Ratio Lower Upper
152 100
150 153.2 127.9 191.9
115 57.4 48.0 72.0



#5
2-Fluorophenol
Concen: 64.958 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:112 Resp: 227929
Ion Ratio Lower Upper
112 100
64 57.2 46.1 69.1
63 30.4 24.9 37.3





#7

Phenol-d6

Concen: 39.992 ng

RT: 6.504 min Scan# 749

Delta R.T. 0.006 min

Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

Instrument :

BNA_F

ClientSampleId :

MW2-20241213

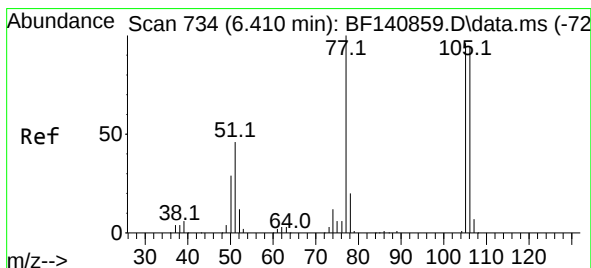
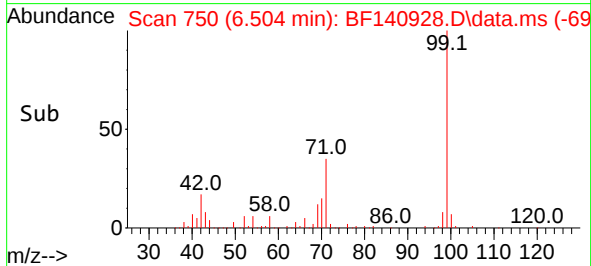
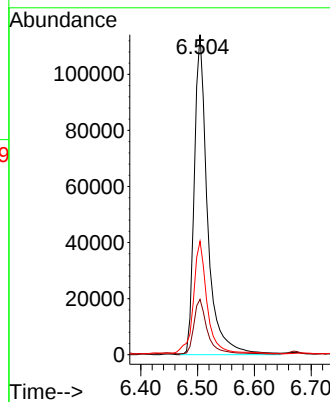
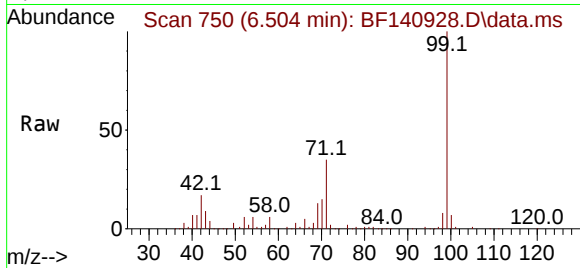
Tgt Ion: 99 Resp: 185862

Ion Ratio Lower Upper

99 100

42 17.3 14.3 21.5

71 35.4 29.9 44.9



#9

Benzaldehyde

Concen: 20.042 ng

RT: 6.404 min Scan# 733

Delta R.T. -0.006 min

Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

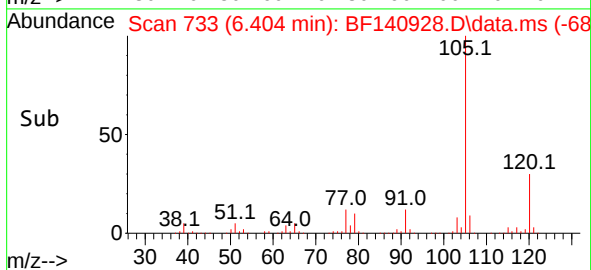
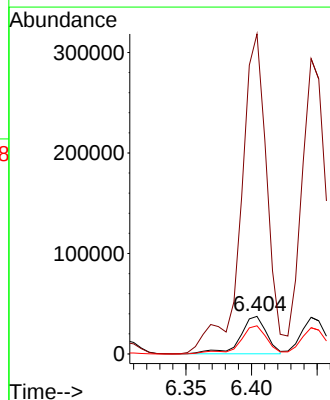
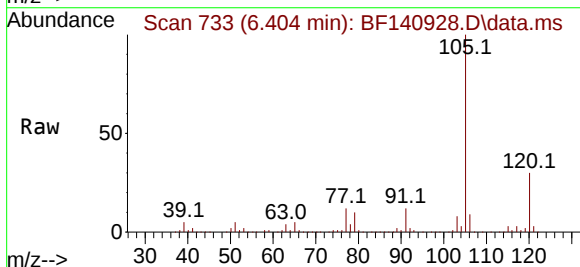
Tgt Ion: 77 Resp: 51611

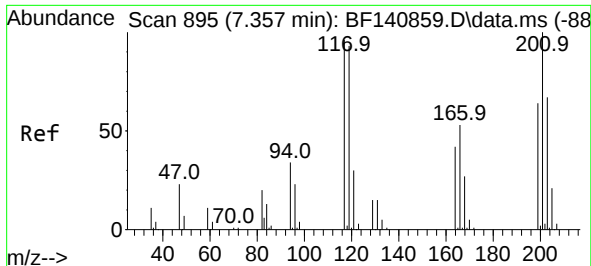
Ion Ratio Lower Upper

77 100

105 850.8 75.8 115.8#

106 75.1 74.1 114.1

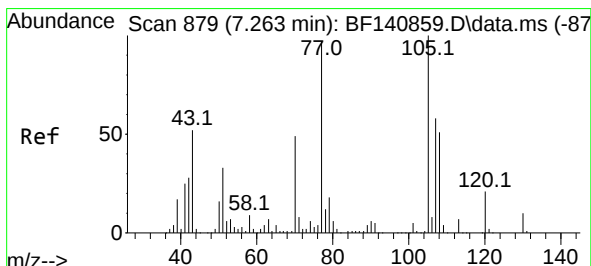
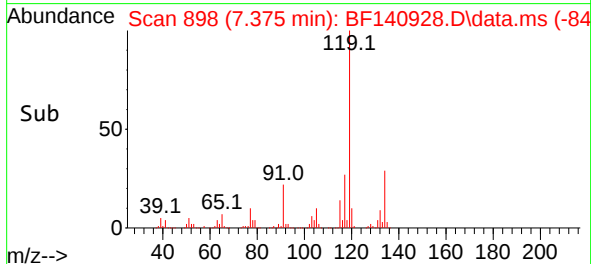
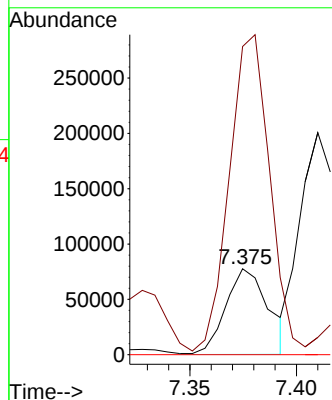
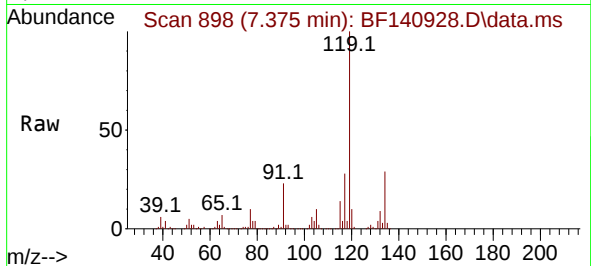




#18
Hexachloroethane
Concen: 65.159 ng
RT: 7.375 min Scan# 895
Delta R.T. 0.017 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

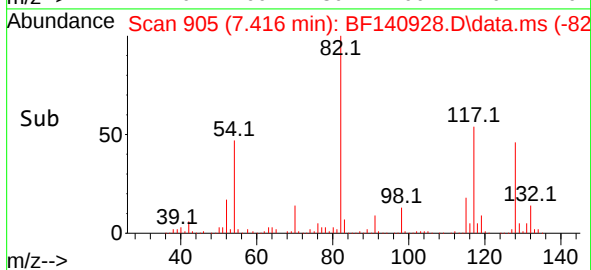
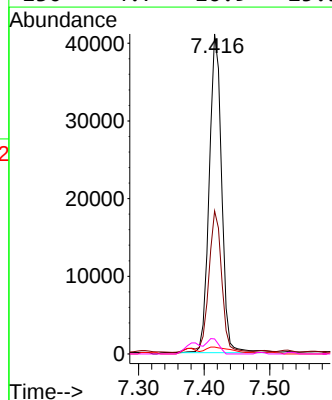
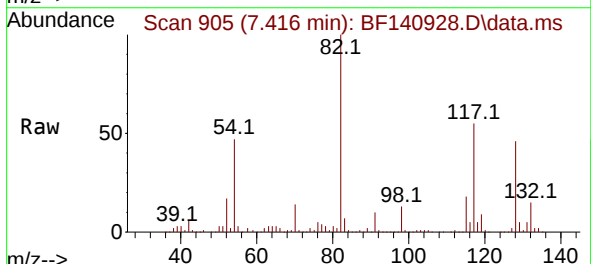
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

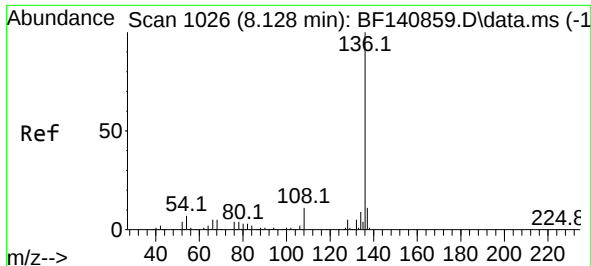
Tgt Ion:117 Resp: 107357
Ion Ratio Lower Upper
117 100
119 358.3 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 19.453 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion: 70 Resp: 54231
Ion Ratio Lower Upper
70 100
42 44.7 45.3 67.9#
101 2.1 8.0 12.0#
130 4.7 16.9 25.3#

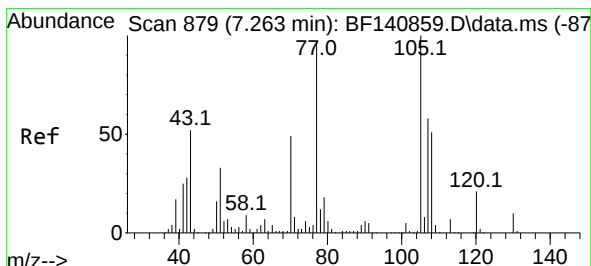
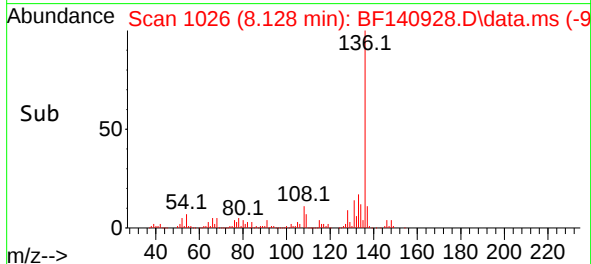
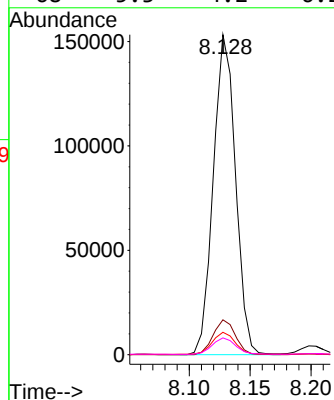
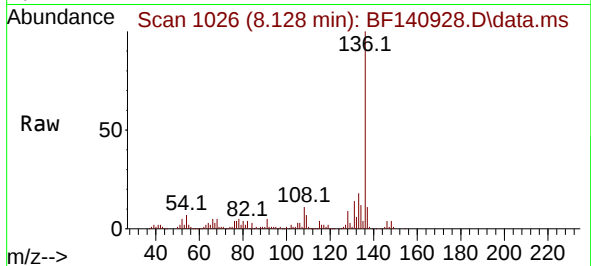




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

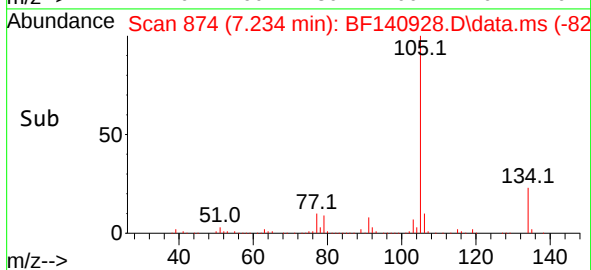
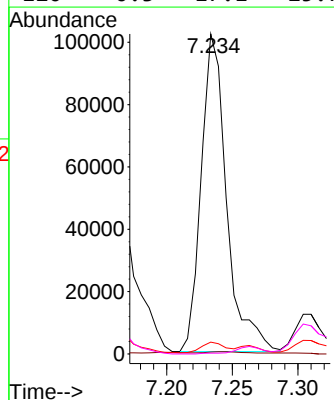
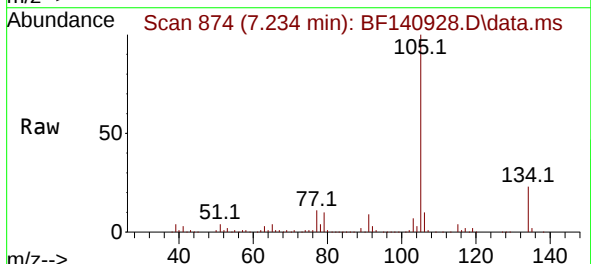
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

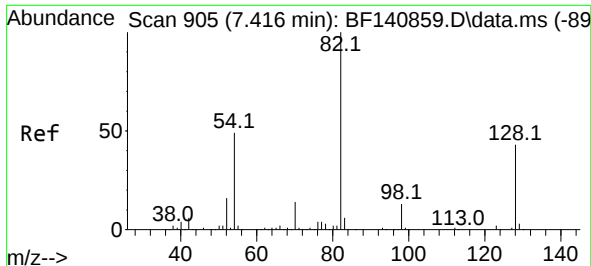
Tgt Ion:	136	Resp:	194711
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.0	5.6	8.4
68	5.3	4.2	6.2



#22
Acetophenone
Concen: 28.331 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.030 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:	105	Resp:	137992
Ion Ratio	Lower	Upper	
105	100		
71	0.6	6.2	9.4#
51	3.7	26.3	39.5#
120	0.3	17.1	25.7#





#23

Nitrobenzene-d5

Concen: 102.448 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

Instrument :

BNA_F

ClientSampleId :

MW2-20241213

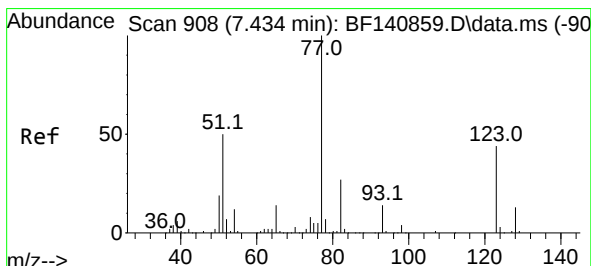
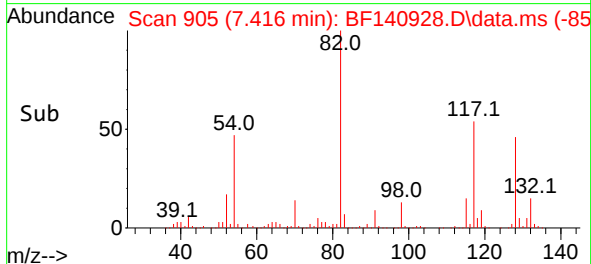
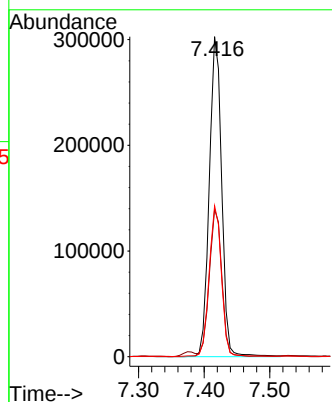
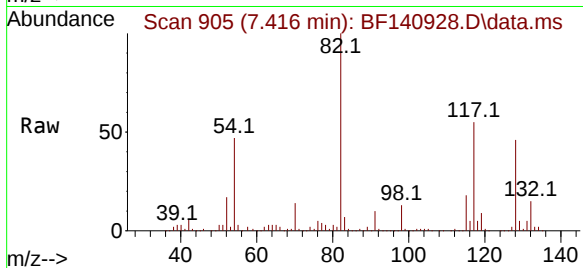
Tgt Ion: 82 Resp: 398707

Ion Ratio Lower Upper

82 100

128 46.1 34.4 51.6

54 47.2 38.8 58.2



#24

Nitrobenzene

Concen: 3.580 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.024 min

Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

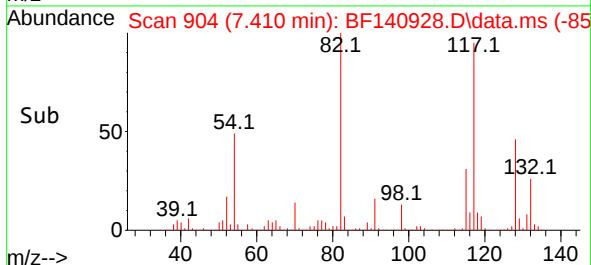
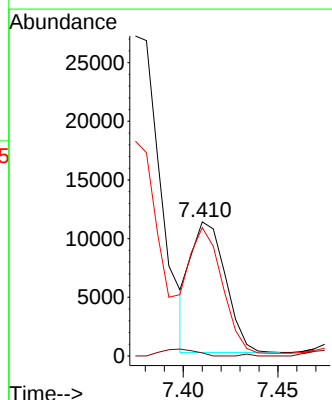
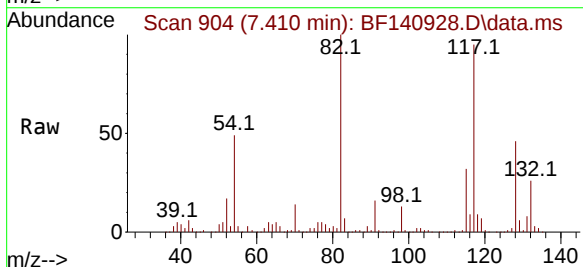
Tgt Ion: 77 Resp: 14273

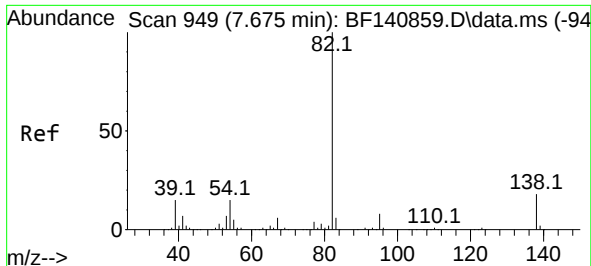
Ion Ratio Lower Upper

77 100

123 2.3 35.0 52.4#

65 95.8 11.4 17.0#

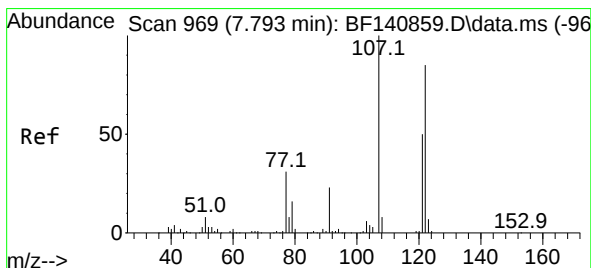
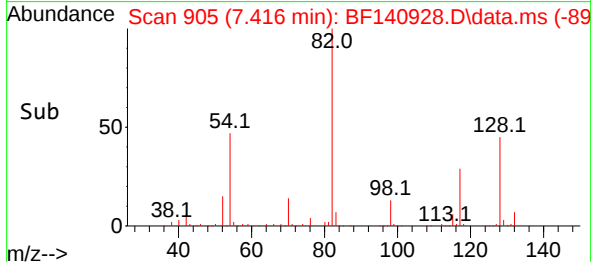
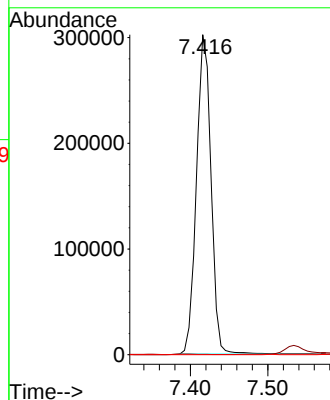
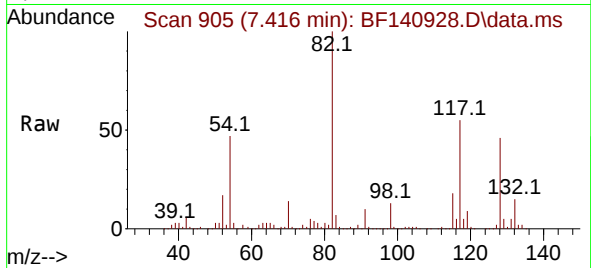




#25
Isophorone
Concen: 60.428 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

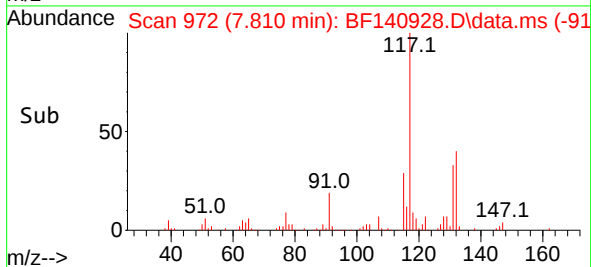
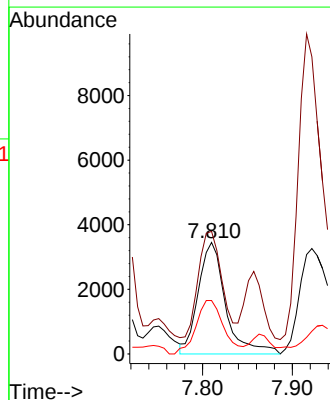
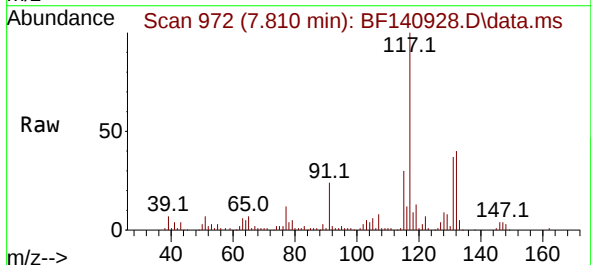
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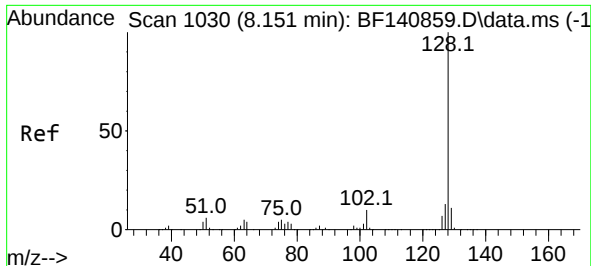
Tgt Ion: 82 Resp: 394047
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 14.1 21.1#



#27
2,4-Dimethylphenol
Concen: 3.404 ng
RT: 7.810 min Scan# 972
Delta R.T. 0.017 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:122 Resp: 7300
Ion Ratio Lower Upper
122 100
107 109.9 92.6 139.0
121 48.0 45.8 68.8

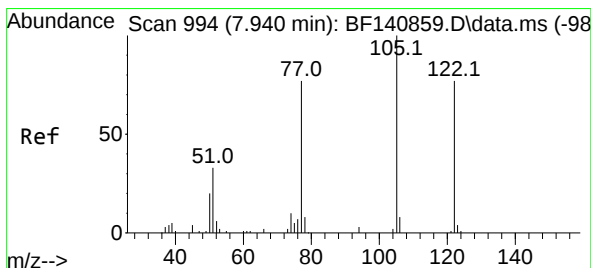
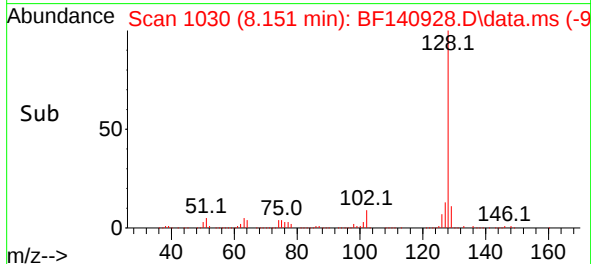
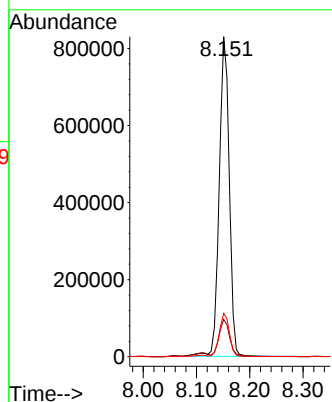
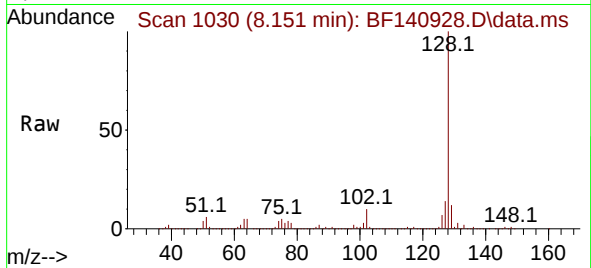




#31
Naphthalene
Concen: 101.501 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

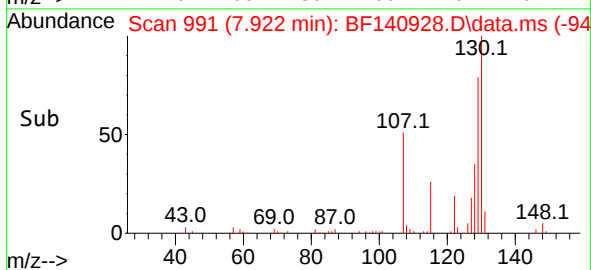
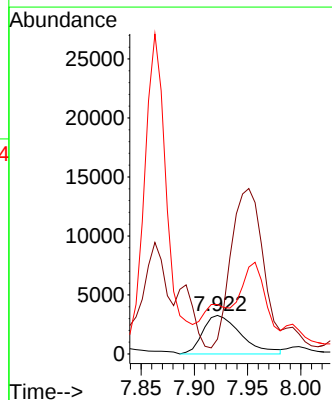
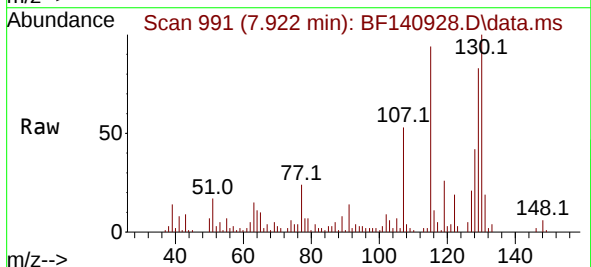
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

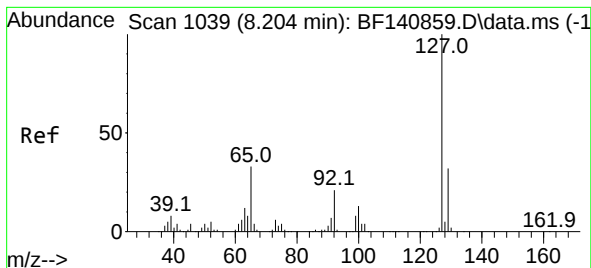
Tgt Ion:128 Resp: 1085620
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 13.6 10.6 16.0



#32
Benzoic acid
Concen: 4.007 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.018 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:122 Resp: 8149
Ion Ratio Lower Upper
122 100
105 38.7 108.3 148.3#
77 128.6 78.8 118.8#





#33

4-Chloroaniline

Concen: 41.072 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF140928.D

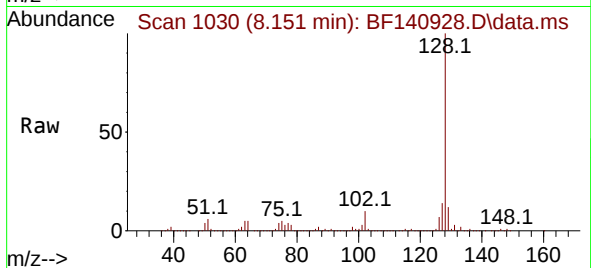
Acq: 19 Dec 2024 16:05

Instrument :

BNA_F

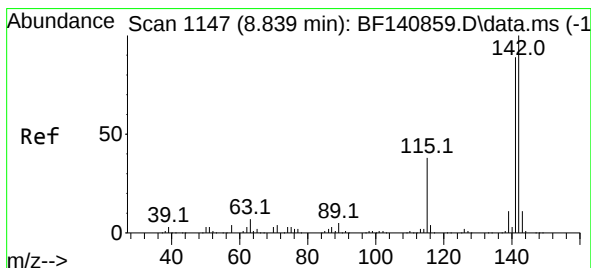
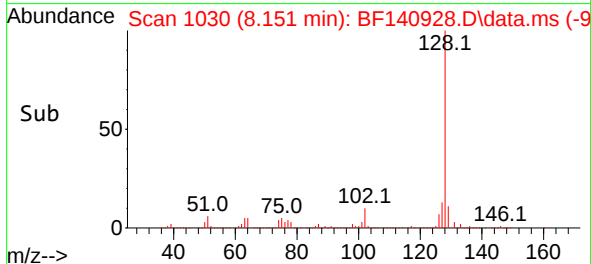
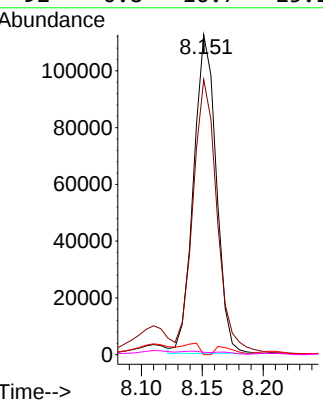
ClientSampleId :

MW2-20241213



Tgt Ion:127 Resp: 145901

Ion	Ratio	Lower	Upper
127	100		
129	86.0	26.0	39.0#
65	0.0	26.0	39.0#
92	0.8	16.7	25.1#



#37

2-Methylnaphthalene

Concen: 29.890 ng

RT: 8.839 min Scan# 1147

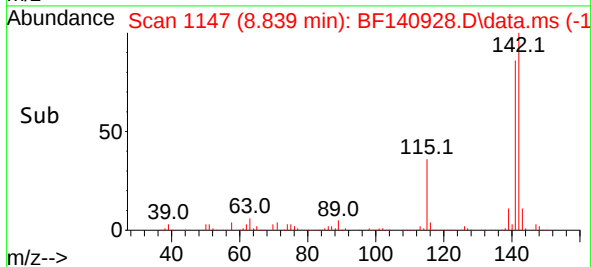
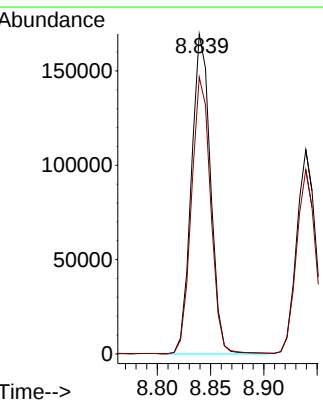
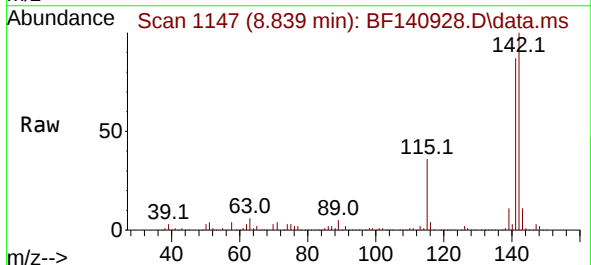
Delta R.T. -0.000 min

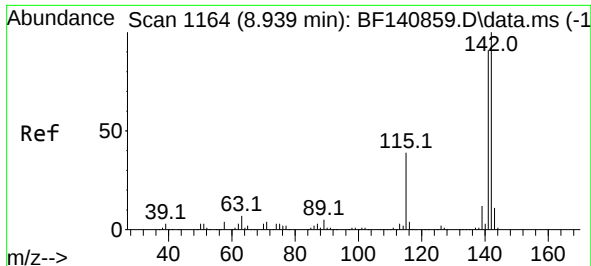
Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

Tgt Ion:142 Resp: 211474

Ion	Ratio	Lower	Upper
142	100		
141	86.5	71.0	106.6

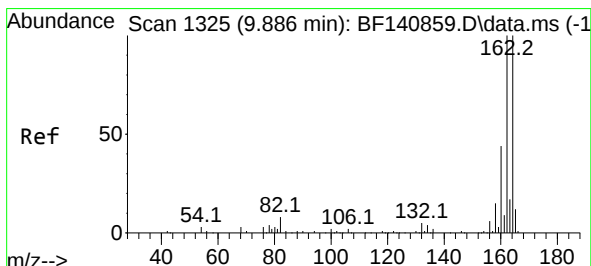
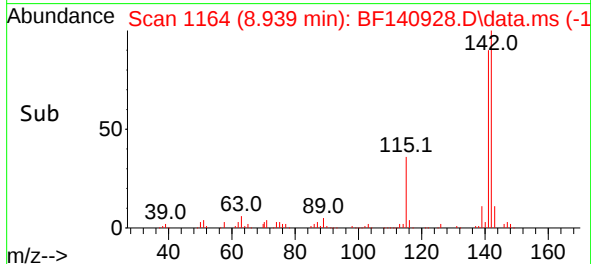
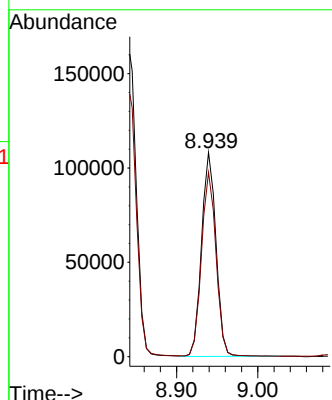
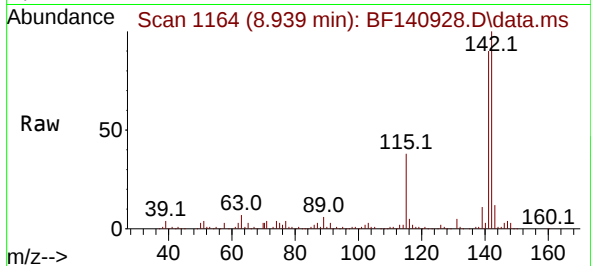




#38
1-Methylnaphthalene
Concen: 19.121 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

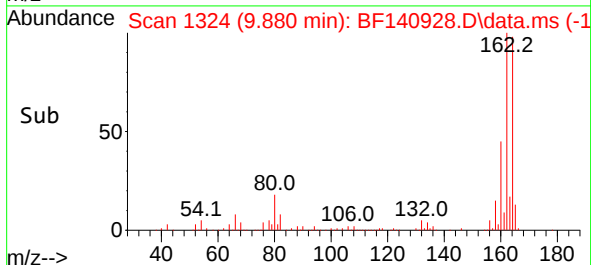
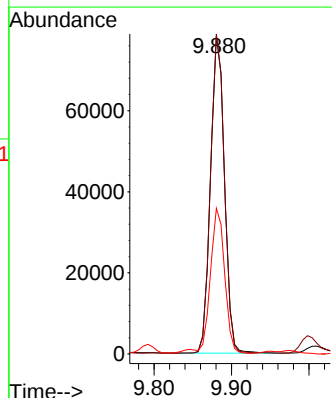
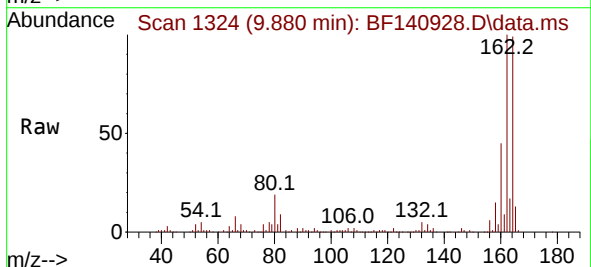
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

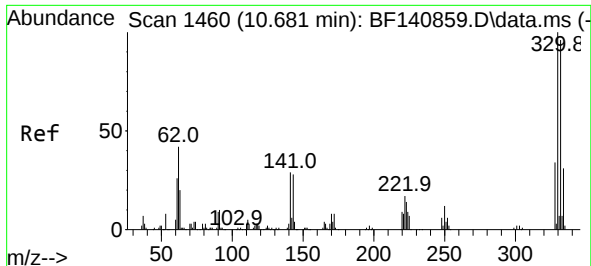
Tgt Ion:142 Resp: 133791
Ion Ratio Lower Upper
142 100
141 90.2 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:164 Resp: 97803
Ion Ratio Lower Upper
164 100
162 100.5 79.9 119.9
160 45.7 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 164.403 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140928.D

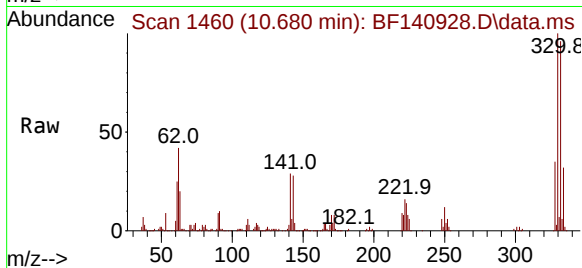
Acq: 19 Dec 2024 16:05

Instrument :

BNA_F

ClientSampleId :

MW2-20241213



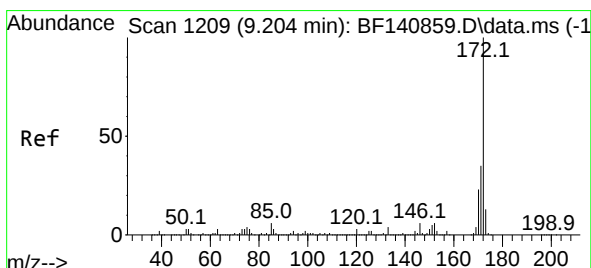
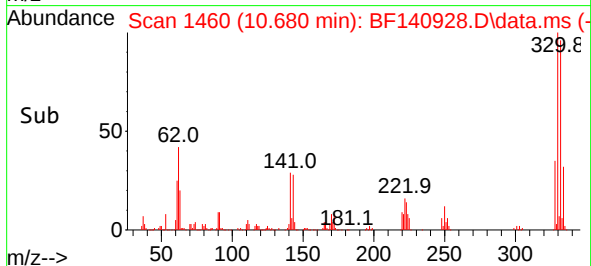
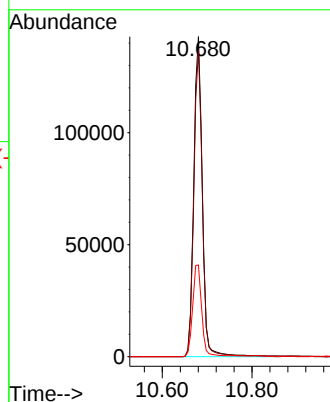
Tgt Ion:330 Resp: 190170

Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

141 30.6 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 110.278 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140928.D

Acq: 19 Dec 2024 16:05

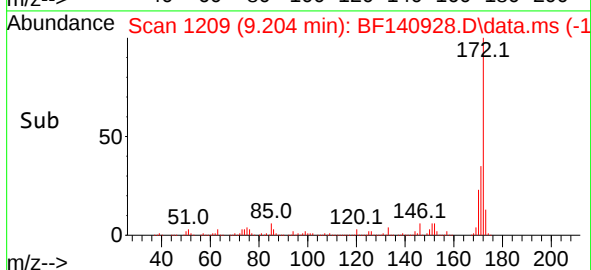
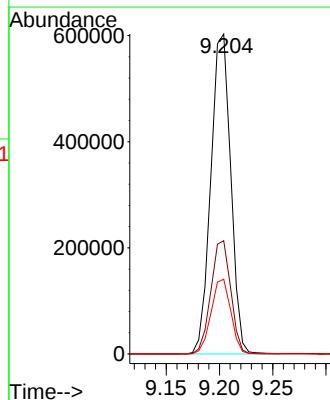
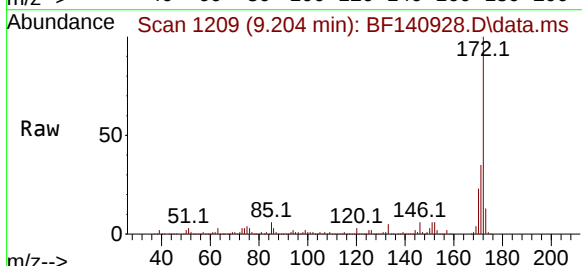
Tgt Ion:172 Resp: 784489

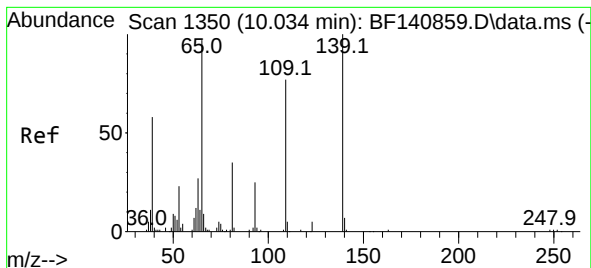
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.3 18.6 28.0

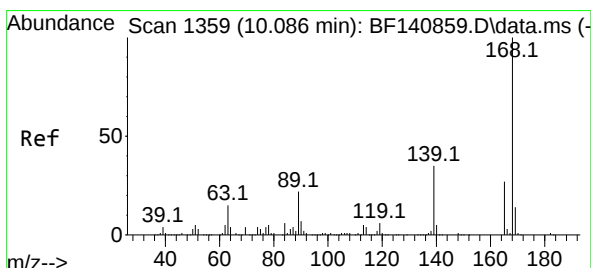
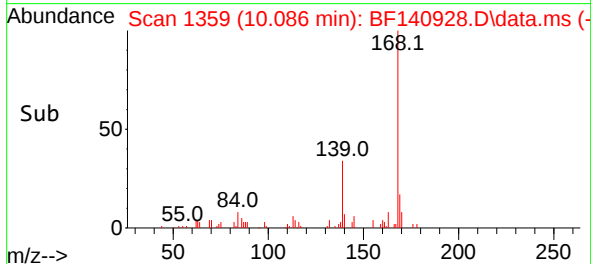
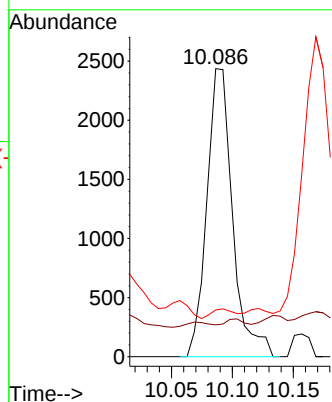
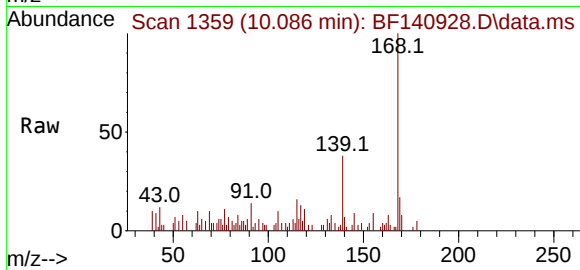




#56
4-Nitrophenol
Concen: 8.475 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.052 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

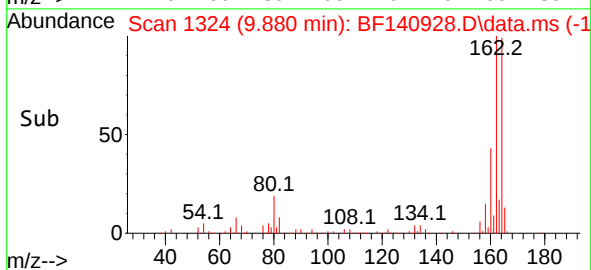
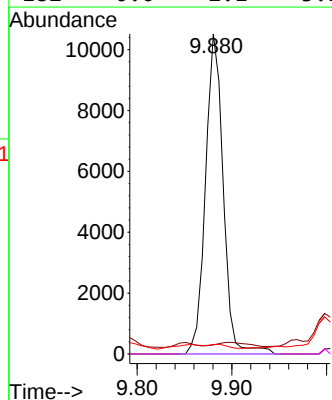
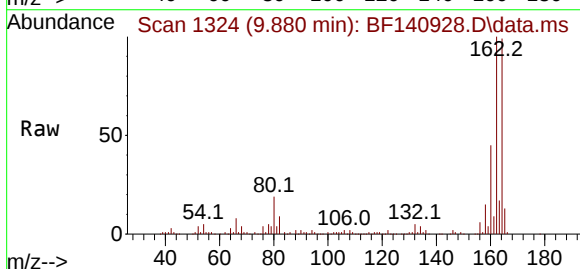
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

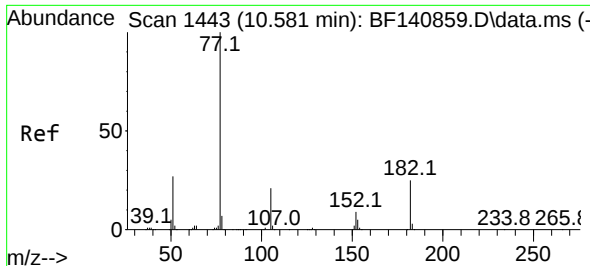
Tgt Ion:139 Resp: 3593
Ion Ratio Lower Upper
139 100
109 11.0 56.7 96.7#
65 16.2 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 6.592 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:165 Resp: 13671
Ion Ratio Lower Upper
165 100
63 2.8 49.3 73.9#
89 3.0 66.2 99.4#
182 0.0 2.1 3.1#

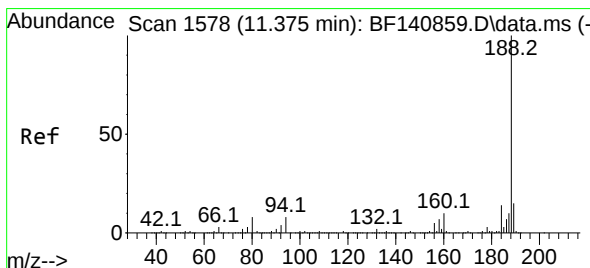
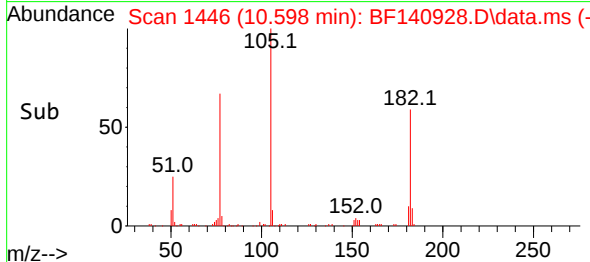
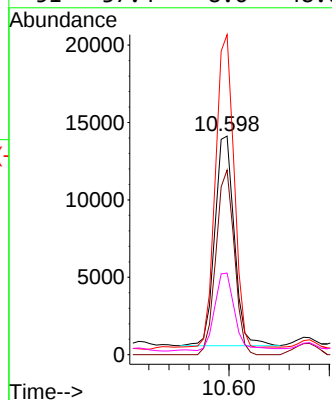
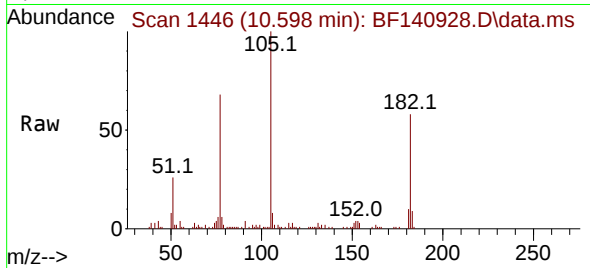




#63
Azobenzene
Concen: 2.713 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.017 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

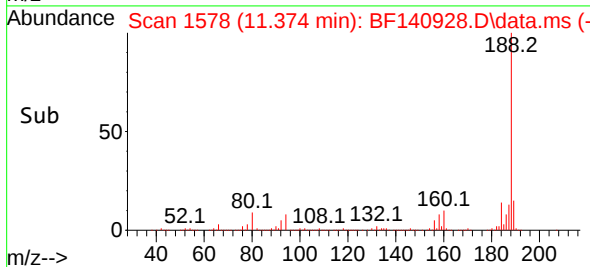
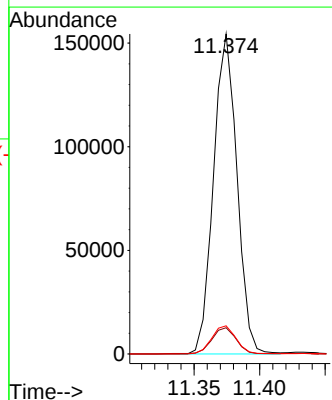
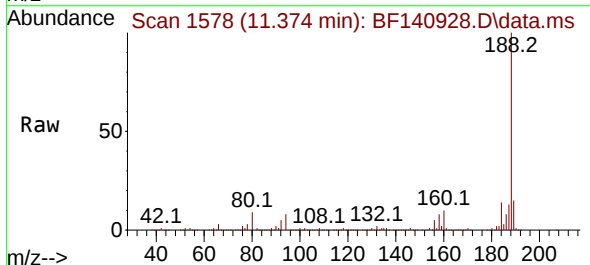
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

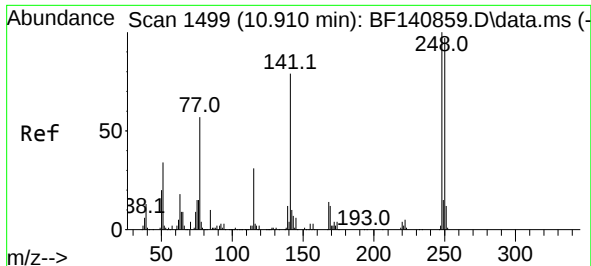
Tgt Ion: 77	Resp:	18240
Ion Ratio	Lower	Upper
77	100	
182	84.5	4.5 44.5#
105	146.4	0.9 40.9#
51	37.4	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion: 188	Resp:	191963
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.4 9.6
80	8.8	6.8 10.2

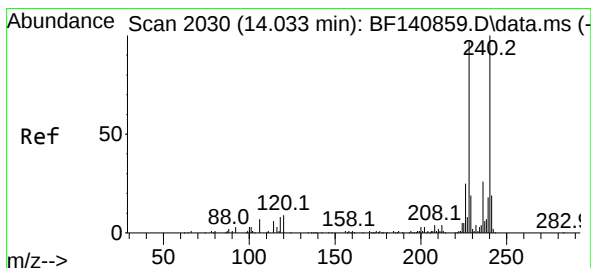
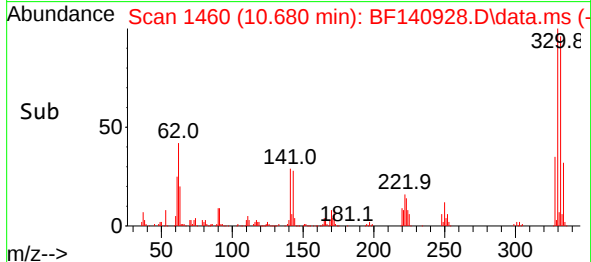
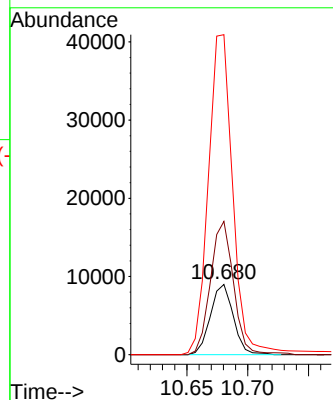
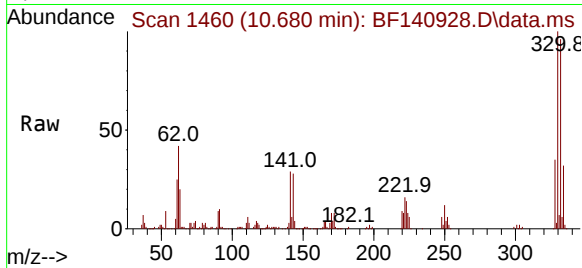




#67
4-Bromophenyl-phenylether
Concen: 5.485 ng
RT: 10.680 min Scan# 1499
Delta R.T. -0.230 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

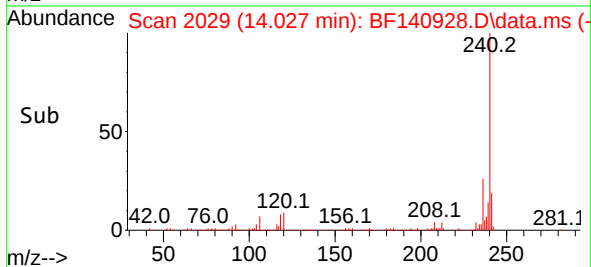
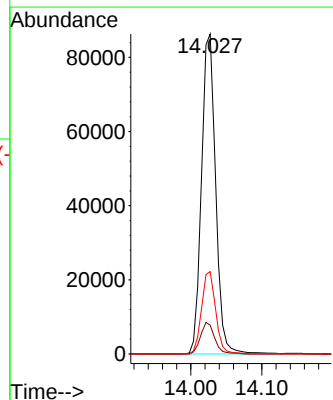
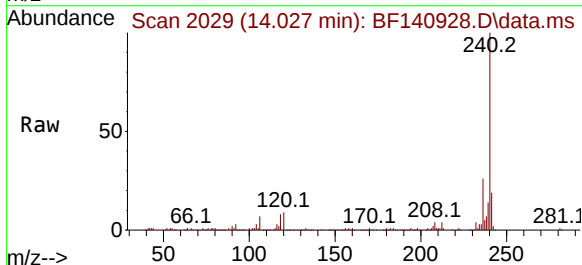
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

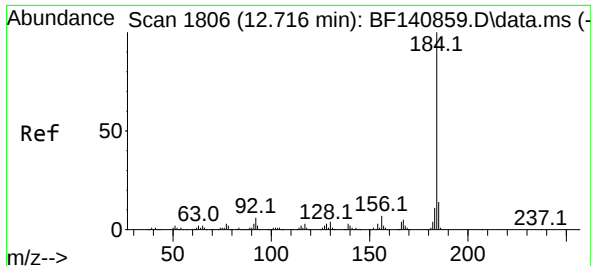
Tgt Ion:248 Resp: 11780
Ion Ratio Lower Upper
248 100
250 189.6 77.4 116.2#
141 455.2 62.9 94.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:240 Resp: 119938
Ion Ratio Lower Upper
240 100
120 9.0 7.6 11.4
236 25.7 20.5 30.7

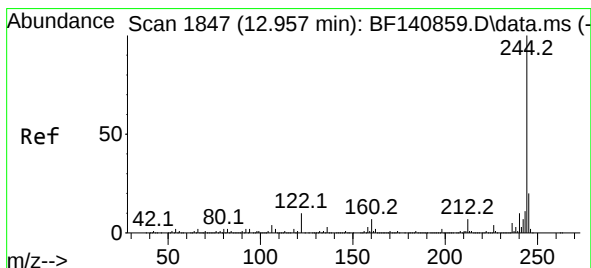
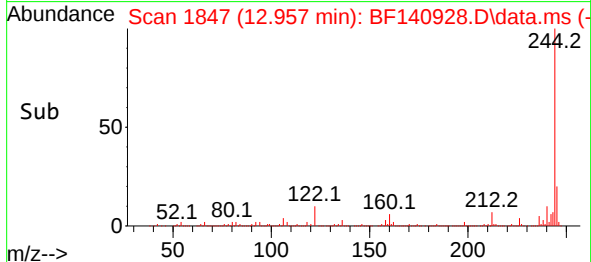
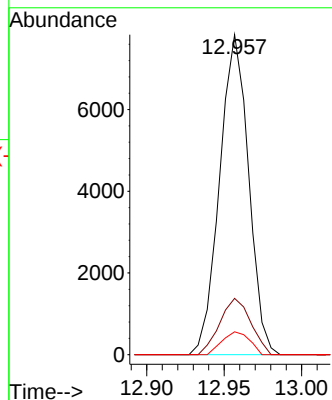
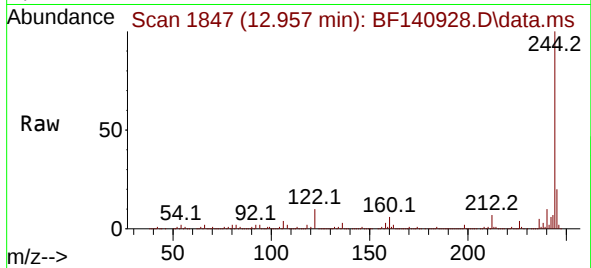




#77
Benzidine
Concen: 4.162 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.241 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

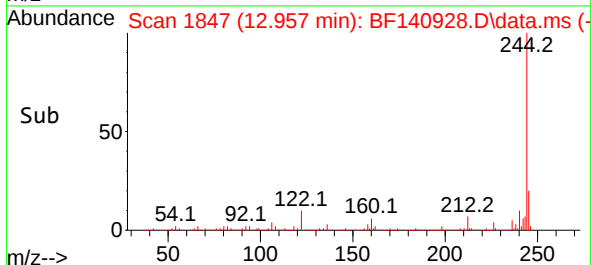
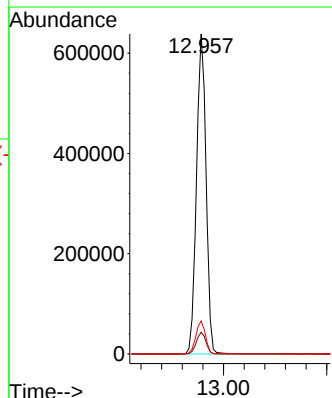
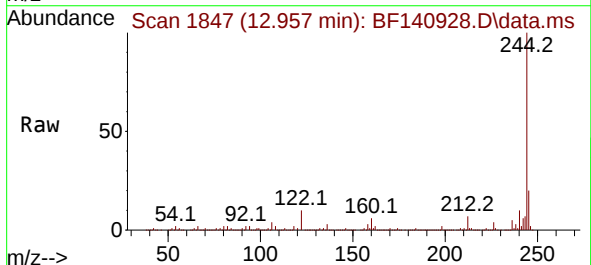
Instrument :
BNA_F
ClientSampleId :
MW2-20241213

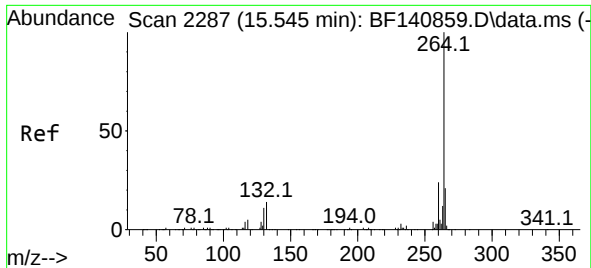
Tgt Ion:184 Resp: 10188
Ion Ratio Lower Upper
184 100
185 17.6 11.1 16.7#
183 7.1 9.0 13.4#



#79
Terphenyl-d14
Concen: 107.790 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140928.D
Acq: 19 Dec 2024 16:05

Tgt Ion:244 Resp: 819862
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.3 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: BF140928.D
 Acq: 19 Dec 2024 16:05

Instrument :
 BNA_F
 ClientSampleId :
 MW2-20241213

Tgt Ion:264 Resp: 149451
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.1 28.7
 265 19.6 17.0 25.4

