

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140712.D
 Acq On : 03 Dec 2024 15:50
 Operator : RC/JU
 Sample : P5021-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: Dec 03 16:19:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

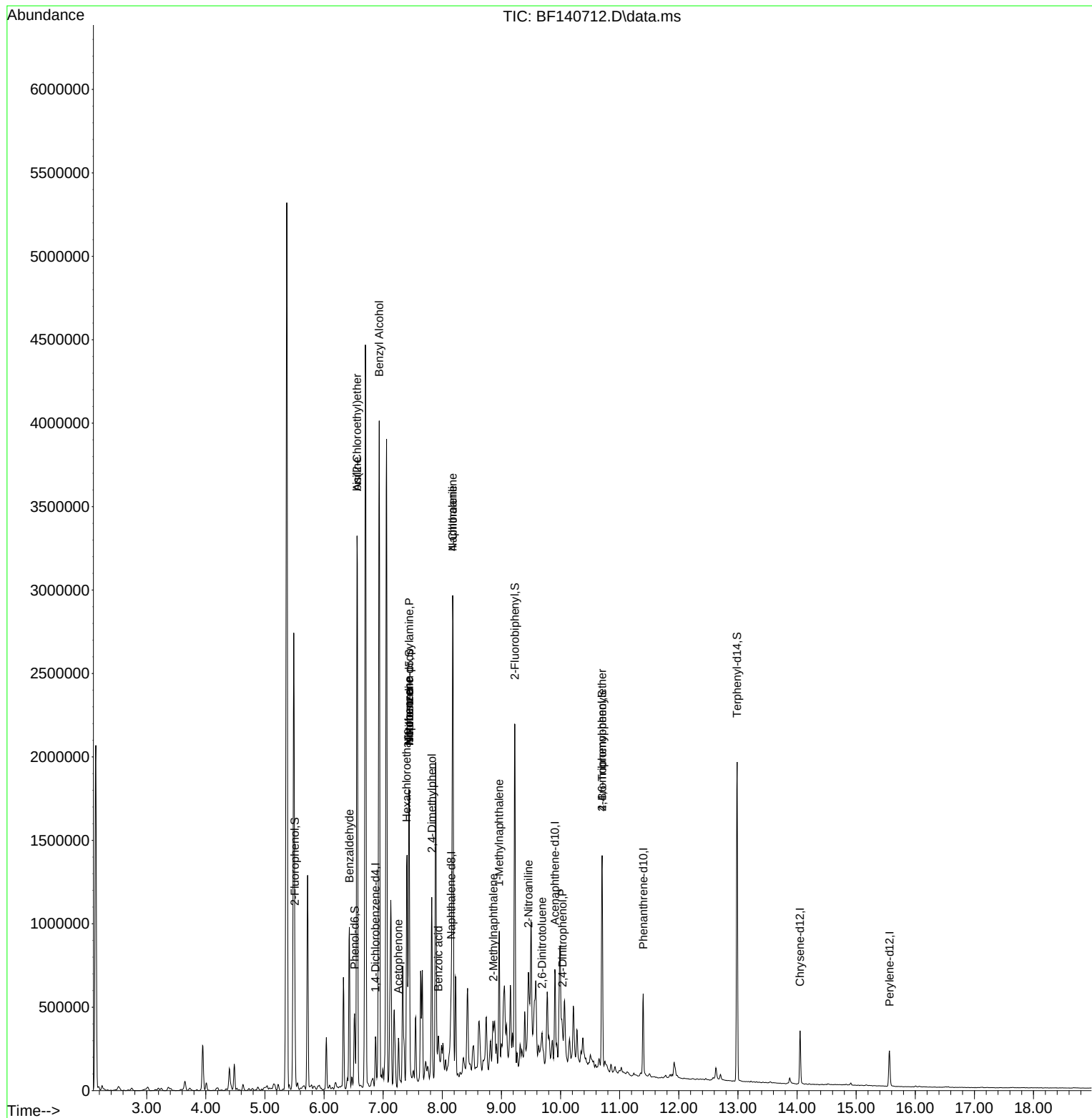
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	67828	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	251382	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	155575	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	260123	20.000	ng	0.00
76) Chrysene-d12	14.051	240	154428	20.000	ng	0.00
86) Perylene-d12	15.563	264	130761	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	239806	60.323	ng	0.00
7) Phenol-d6	6.516	99	221548	42.155	ng	0.00
23) Nitrobenzene-d5	7.440	82	459487	93.495	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	232321	139.626	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	923517	88.445	ng	0.00
79) Terphenyl-d14	12.986	244	964218	97.224	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.557	93	10858	2.935	ng	# 1
9) Benzaldehyde	6.428	77	61146	21.978	ng	# 1
11) bis(2-Chloroethyl)ether	6.557	93	10858	2.644	ng	# 1
15) Benzyl Alcohol	6.934	79	194150	49.814	ng	# 11
18) Hexachloroethane	7.398	117	152274	83.788	ng	# 1
19) n-Nitroso-di-n-propyla...	7.440	70	64743	20.844	ng	# 80
22) Acetophenone	7.257	105	157871	25.760	ng	# 52
24) Nitrobenzene	7.434	77	21445	4.222	ng	# 7
25) Isophorone	7.440	82	453443	55.317	ng	# 66
27) 2,4-Dimethylphenol	7.822	122	96474	35.821	ng	# 90
31) Naphthalene	8.175	128	1843578	142.379	ng	99
32) Benzoic acid	7.934	122	11325	11.300	ng	# 47
33) 4-Chloroaniline	8.175	127	255502	65.905	ng	# 32
37) 2-Methylnaphthalene	8.863	142	26000	3.161	ng	99
38) 1-Methylnaphthalene	8.963	142	199942	24.802	ng	100
48) 2-Nitroaniline	9.457	65	20502	7.257	ng	# 28
51) 2,6-Dinitrotoluene	9.686	165	4671	2.010	ng	# 34
54) 2,4-Dinitrophenol	10.034	184	343	8.080	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	15213	5.679	ng	# 1

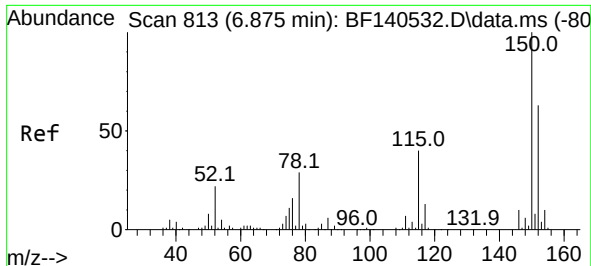
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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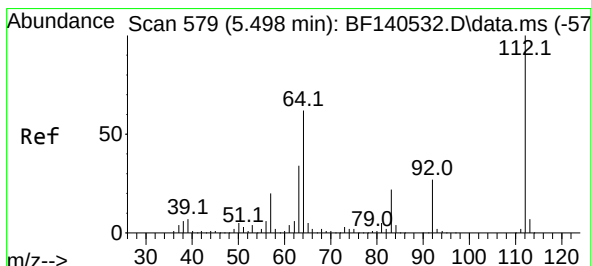
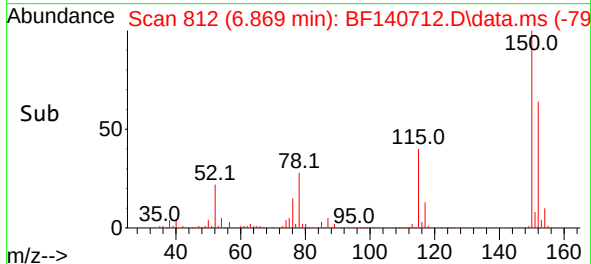
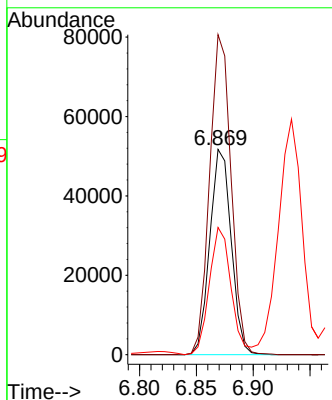
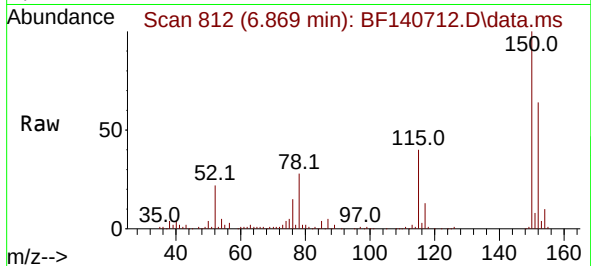




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

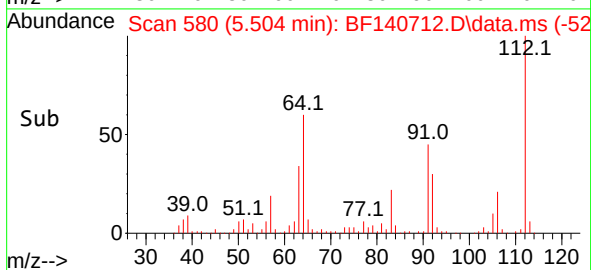
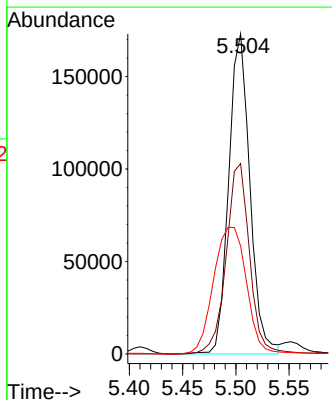
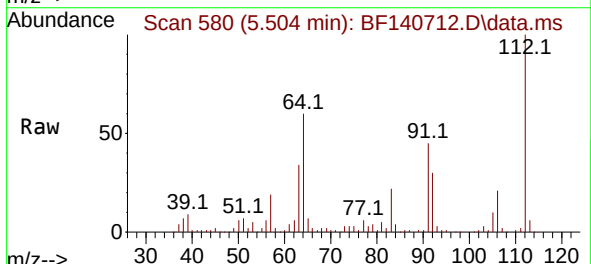
Instrument :
BNA_F
ClientSampleId :
MW-12

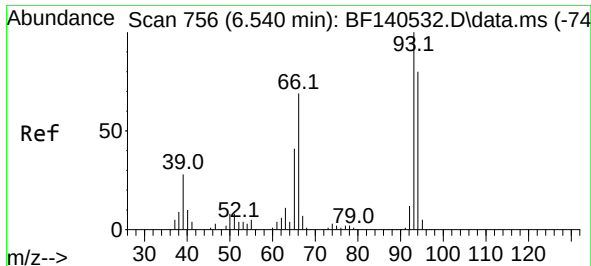
Tgt Ion:152 Resp: 67828
Ion Ratio Lower Upper
152 100
150 155.9 128.5 192.7
115 62.0 50.2 75.4



#5
2-Fluorophenol
Concen: 60.323 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion:112 Resp: 239806
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 33.7 27.0 40.4





#6

Aniline

Concen: 2.935 ng

RT: 6.557 min Scan# 759

Delta R.T. 0.018 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

MW-12

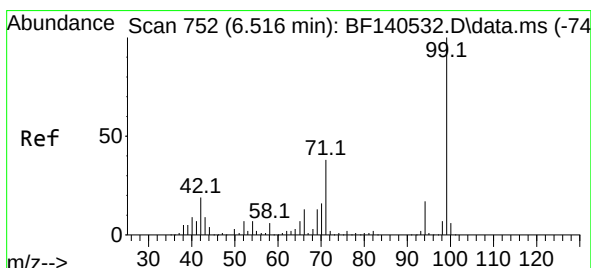
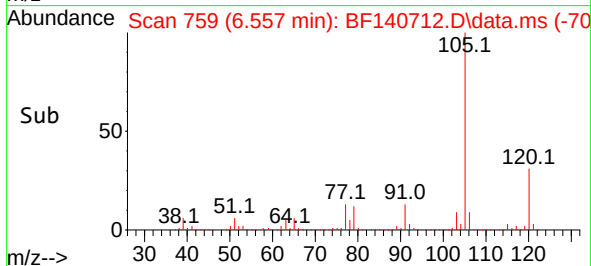
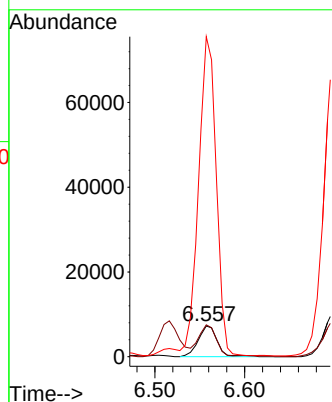
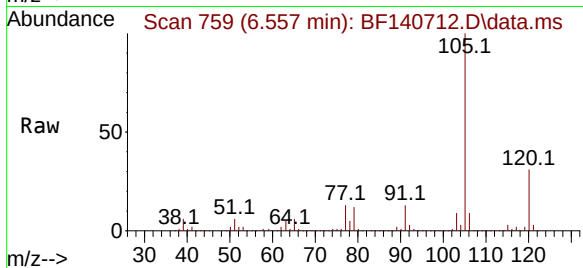
Tgt Ion: 93 Resp: 10858

Ion Ratio Lower Upper

93 100

66 103.7 56.5 84.7#

65 1043.5 32.9 49.3#



#7

Phenol-d6

Concen: 42.155 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

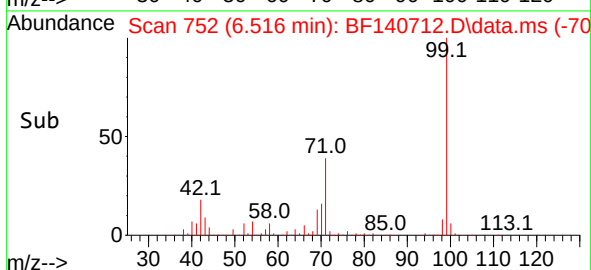
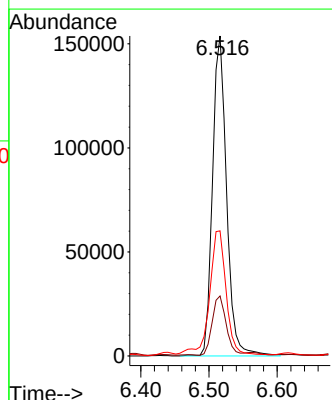
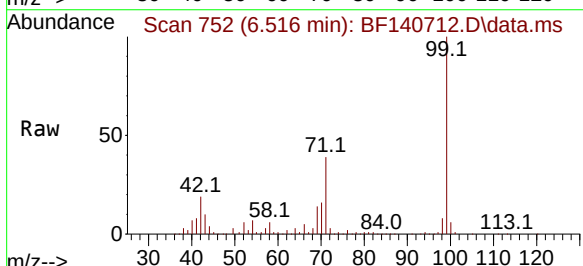
Tgt Ion: 99 Resp: 221548

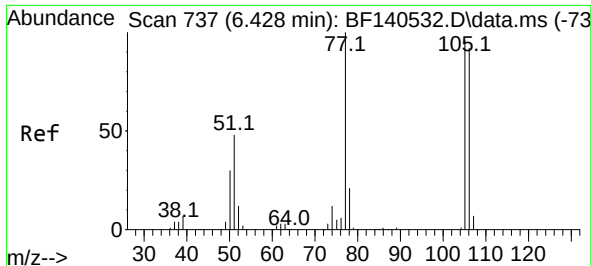
Ion Ratio Lower Upper

99 100

42 18.8 15.4 23.0

71 39.1 30.6 46.0

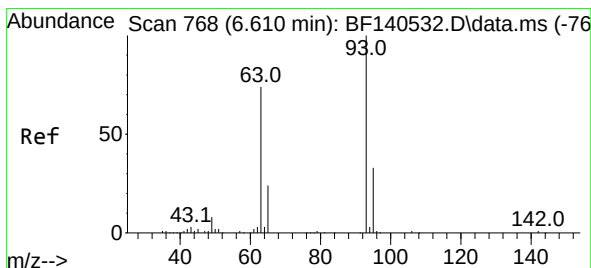
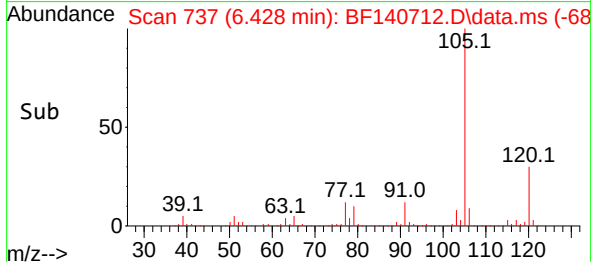
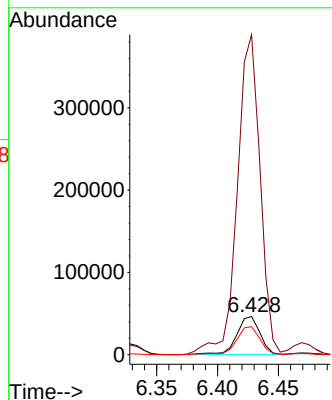
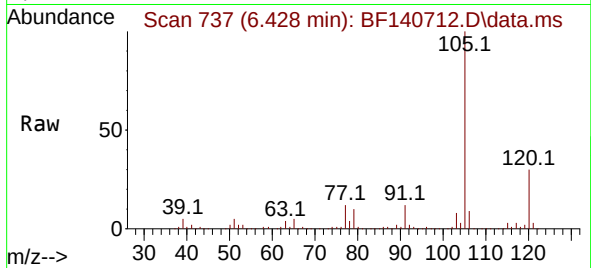




#9
Benzaldehyde
Concen: 21.978 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

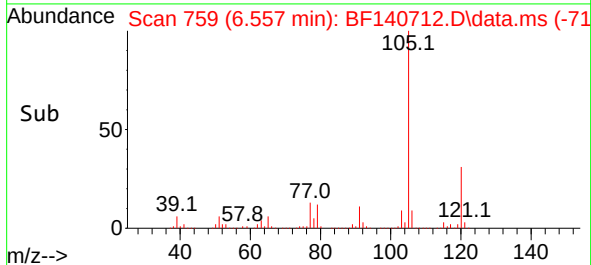
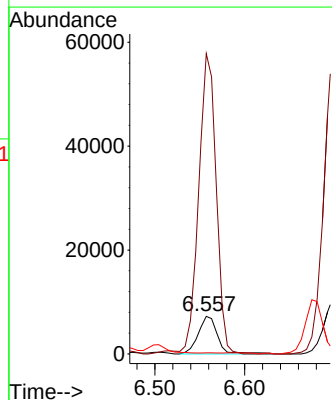
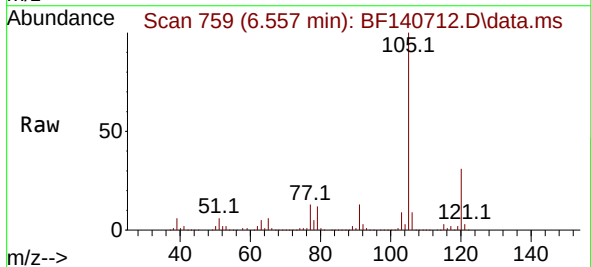
Instrument : BNA_F
ClientSampleId : MW-12

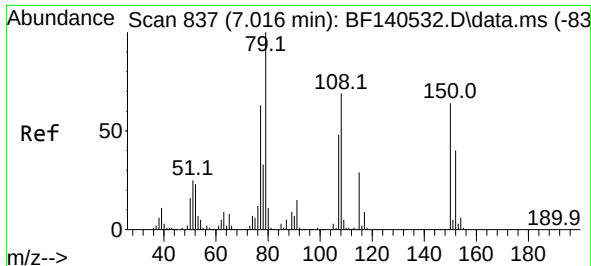
Tgt Ion:	77	Resp:	61146
Ion	Ratio	Lower	Upper
77	100		
105	838.1	75.6	115.6#
106	73.5	72.0	112.0



#11
bis(2-Chloroethyl)ether
Concen: 2.644 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.053 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion:	93	Resp:	10858
Ion	Ratio	Lower	Upper
93	100		
63	798.6	52.8	92.8#
95	2.8	12.3	52.3#

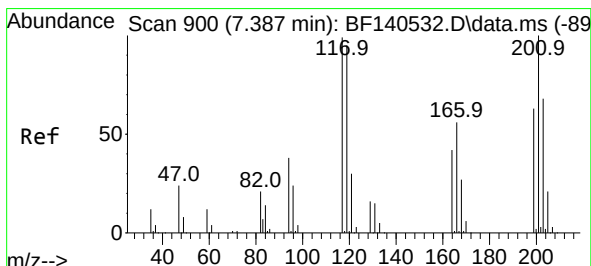
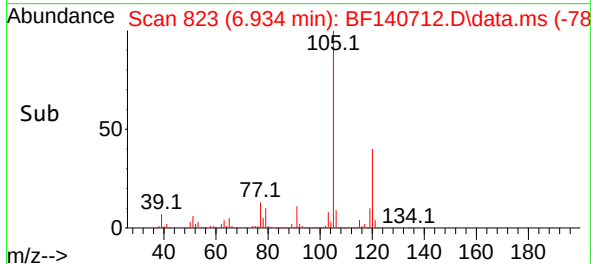
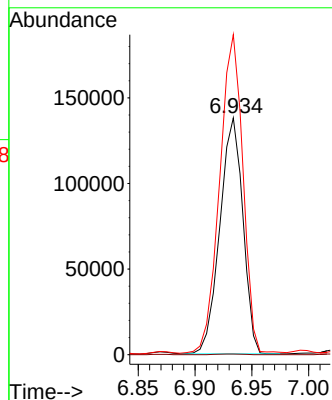
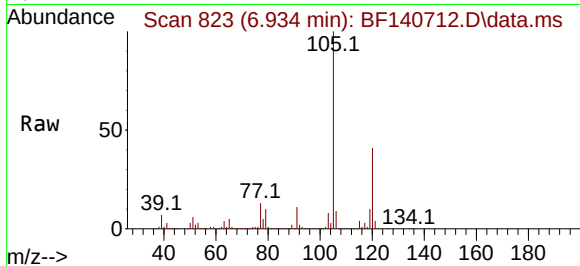




#15
Benzyl Alcohol
Concen: 49.814 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.082 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

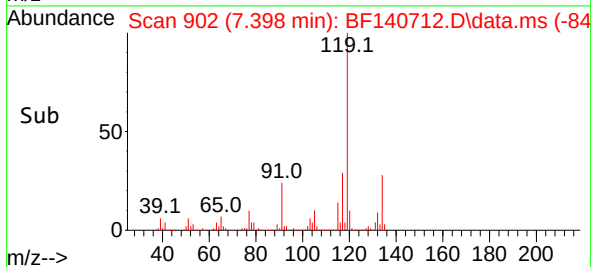
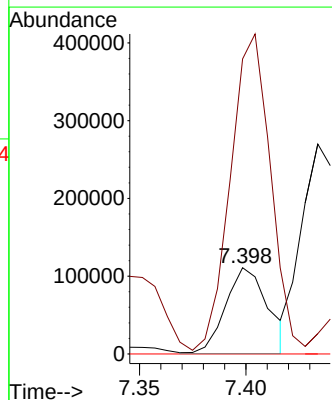
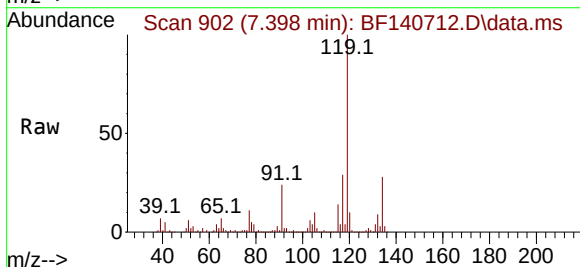
Instrument :
BNA_F
ClientSampleId :
MW-12

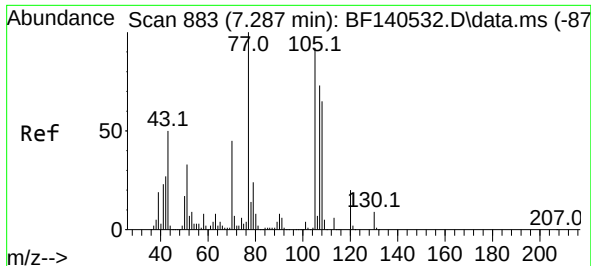
Tgt Ion: 79 Resp: 194150
Ion Ratio Lower Upper
79 100
108 0.3 55.0 82.6#
77 135.1 50.1 75.1#



#18
Hexachloroethane
Concen: 83.788 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.012 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion: 117 Resp: 152274
Ion Ratio Lower Upper
117 100
119 341.9 77.1 115.7#
201 0.0 81.1 121.7#

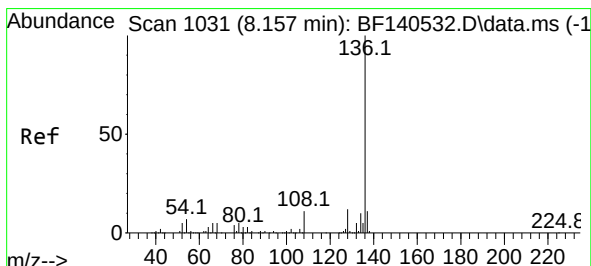
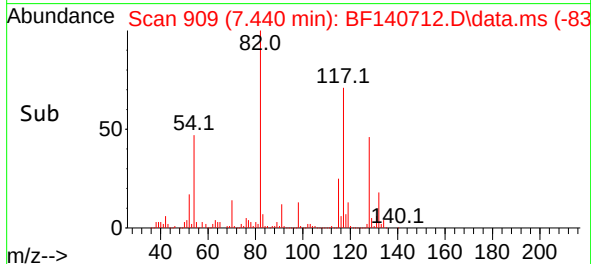
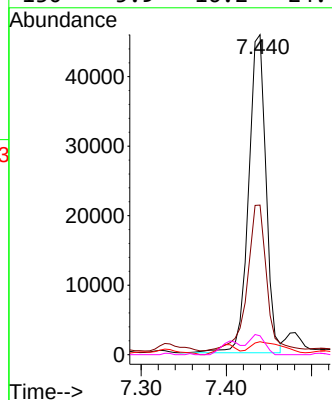
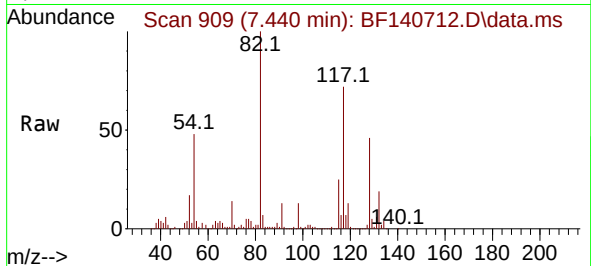




#19
n-Nitroso-di-n-propylamine
Concen: 20.844 ng
RT: 7.440 min Scan# 90
Delta R.T. 0.153 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

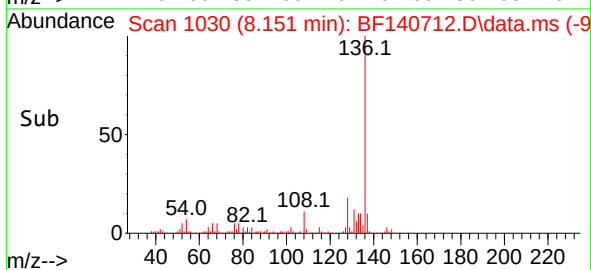
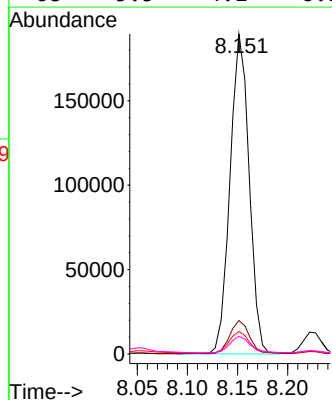
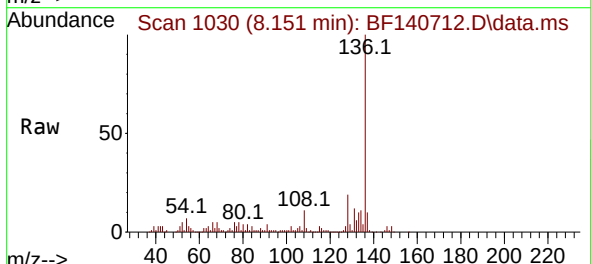
Instrument :
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ClientSampleId :
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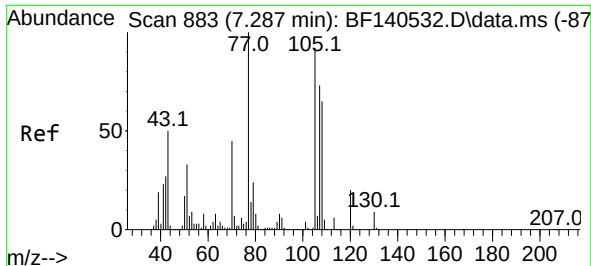
Tgt Ion: 70 Resp: 64743
Ion Ratio Lower Upper
70 100
42 46.8 47.6 71.4#
101 4.0 7.6 11.4#
130 5.9 16.2 24.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion: 136 Resp: 251382
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.0 5.8 8.8
68 5.5 4.1 6.1

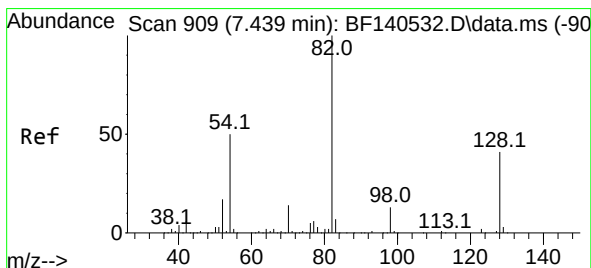
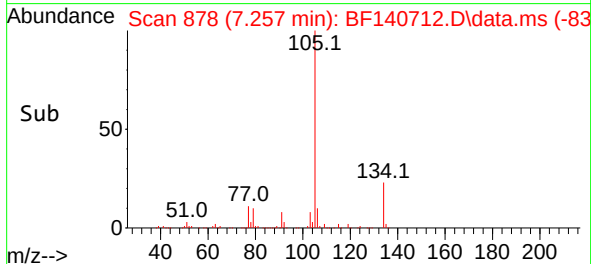
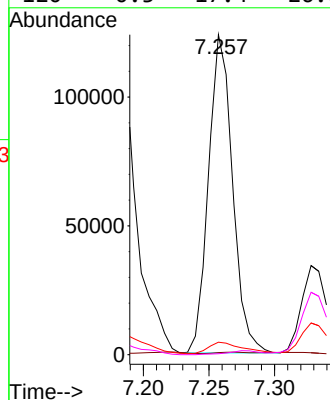
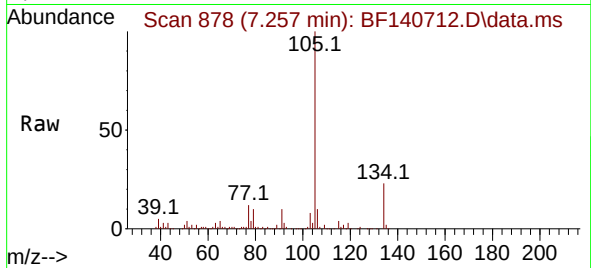




#22
 Acetophenone
 Concen: 25.760 ng
 RT: 7.257 min Scan# 81
 Delta R.T. -0.029 min
 Lab File: BF140712.D
 Acq: 03 Dec 2024 15:50

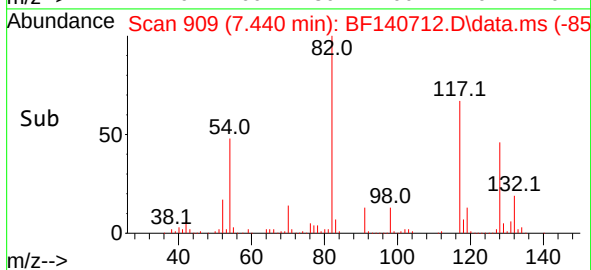
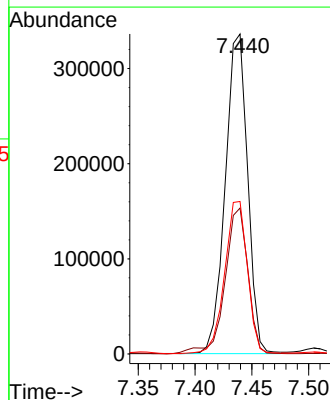
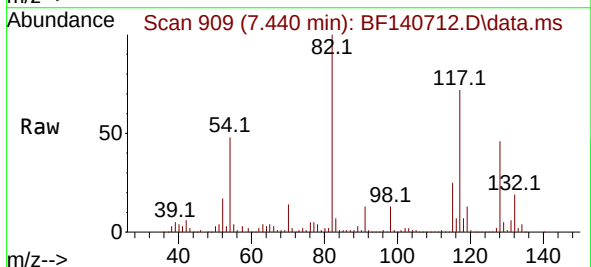
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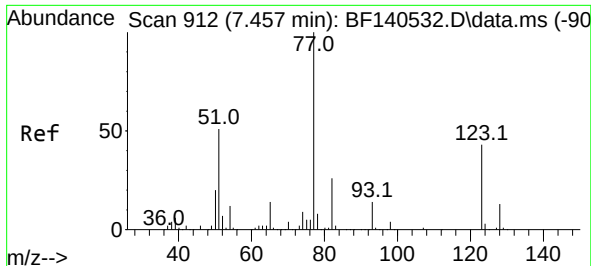
Tgt Ion:105 Resp: 157871
 Ion Ratio Lower Upper
 105 100
 71 0.6 6.2 9.2#
 51 3.9 29.0 43.6#
 120 0.3 17.4 26.0#



#23
 Nitrobenzene-d5
 Concen: 93.495 ng
 RT: 7.440 min Scan# 909
 Delta R.T. 0.000 min
 Lab File: BF140712.D
 Acq: 03 Dec 2024 15:50

Tgt Ion: 82 Resp: 459487
 Ion Ratio Lower Upper
 82 100
 128 45.6 33.0 49.4
 54 47.6 39.5 59.3

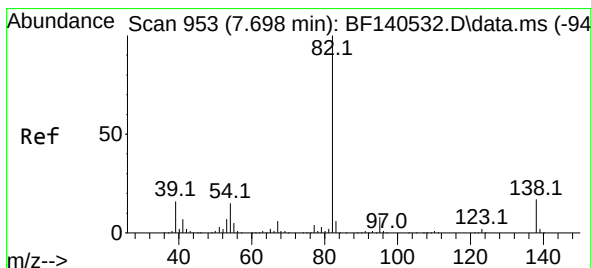
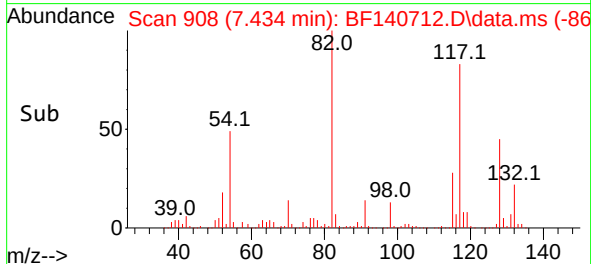
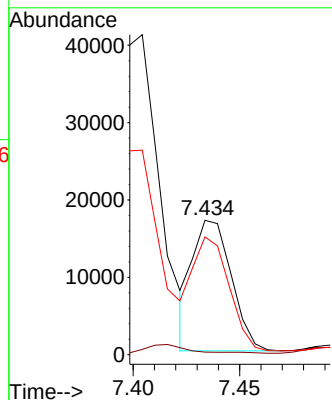
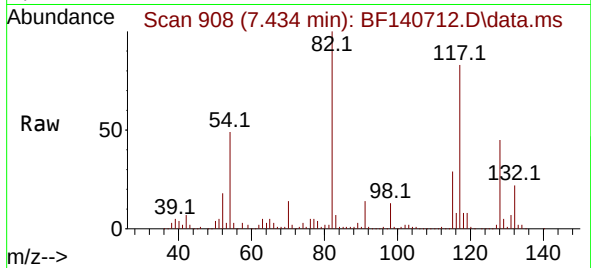




#24
Nitrobenzene
Concen: 4.222 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.023 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

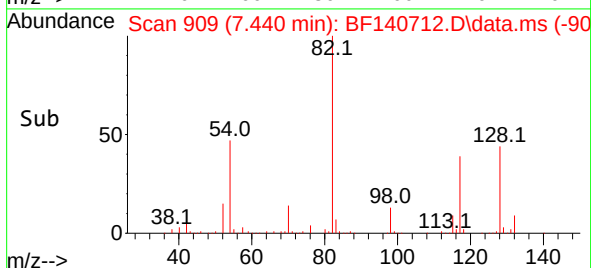
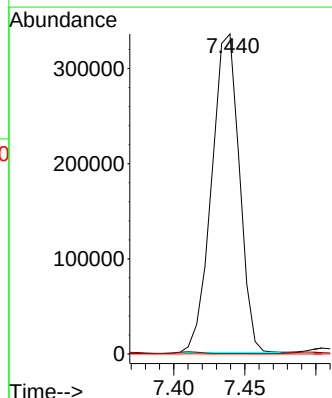
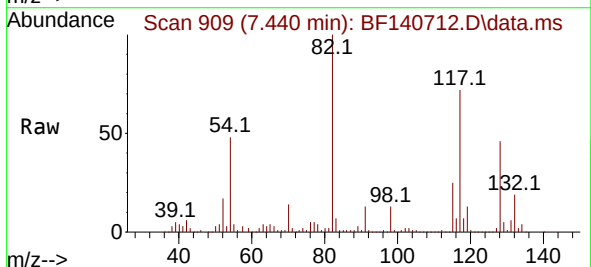
Instrument :
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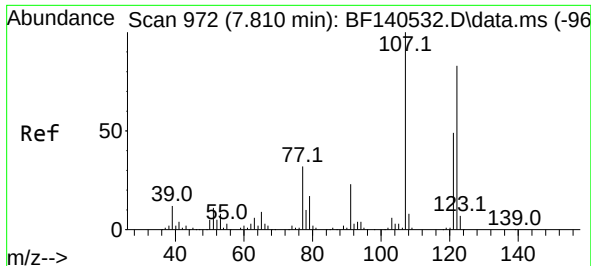
Tgt Ion: 77 Resp: 21445
Ion Ratio Lower Upper
77 100
123 2.0 34.3 51.5#
65 87.6 11.2 16.8#



#25
Isophorone
Concen: 55.317 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion: 82 Resp: 453443
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.8 20.6#

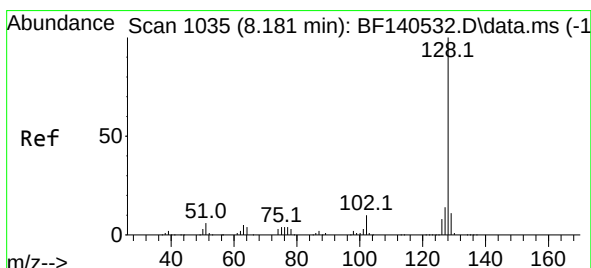
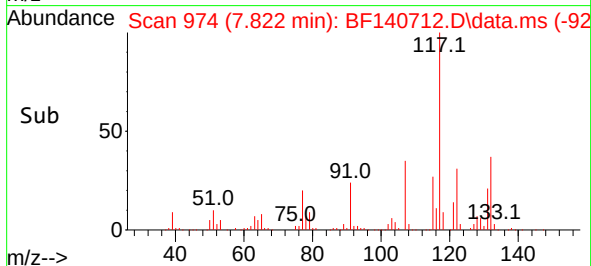
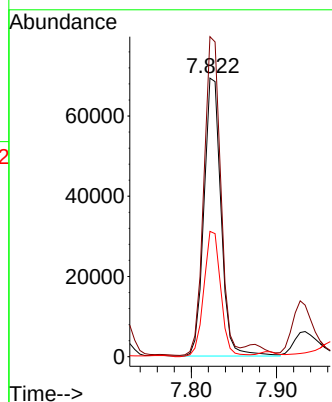
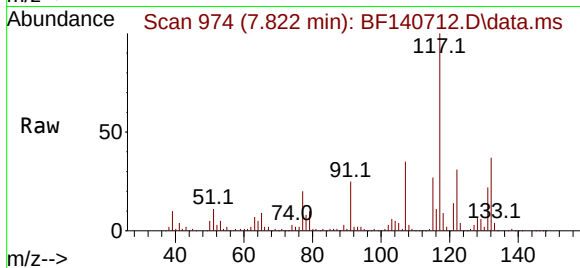




#27
2,4-Dimethylphenol
Concen: 35.821 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

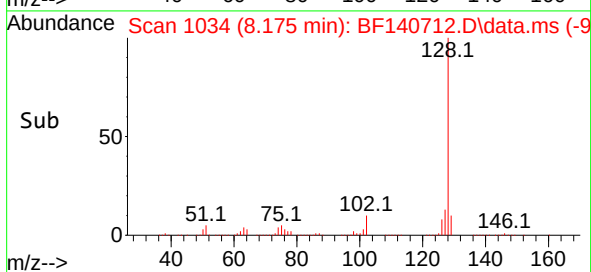
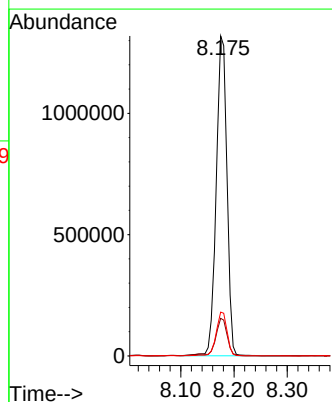
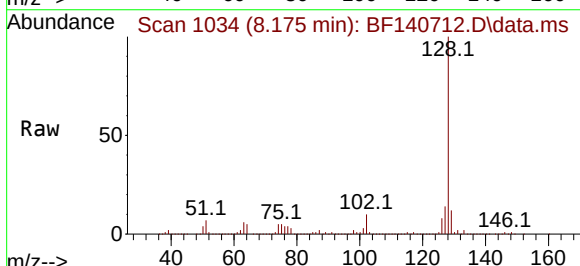
Instrument :
BNA_F
ClientSampleId :
MW-12

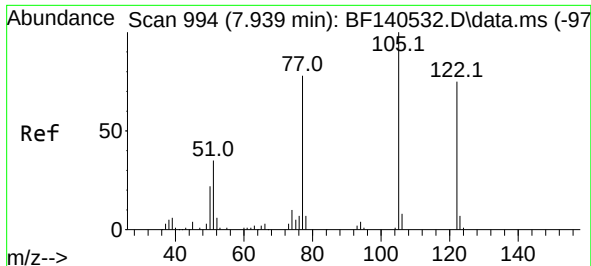
Tgt Ion:122 Resp: 96474
Ion Ratio Lower Upper
122 100
107 114.9 96.8 145.2
121 45.0 47.4 71.0#



#31
Naphthalene
Concen: 142.379 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion:128 Resp: 1843578
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.7 10.8 16.2

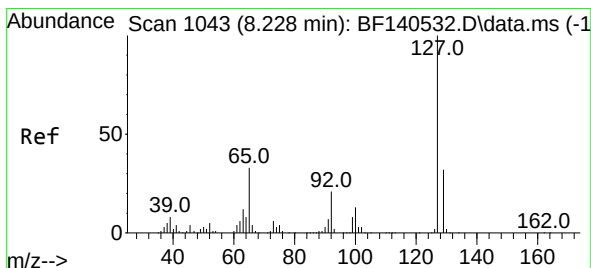
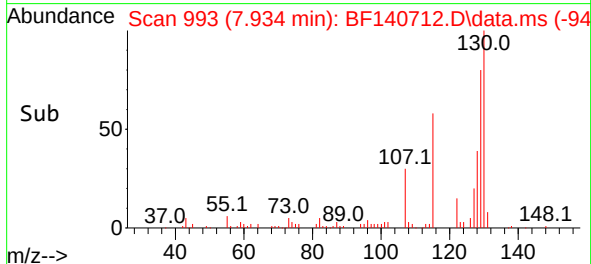
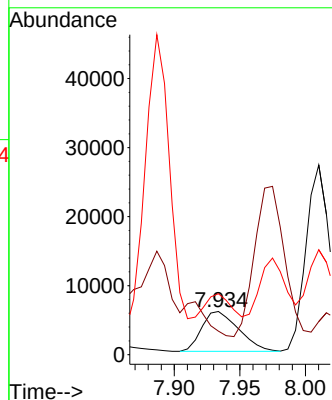
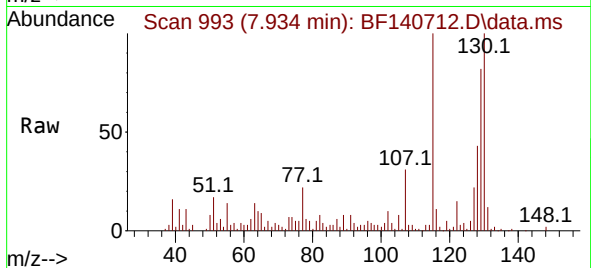




#32
Benzoic acid
Concen: 11.300 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.005 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

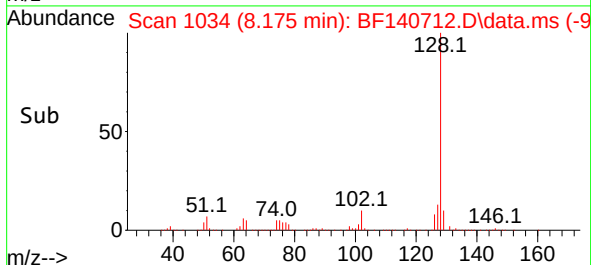
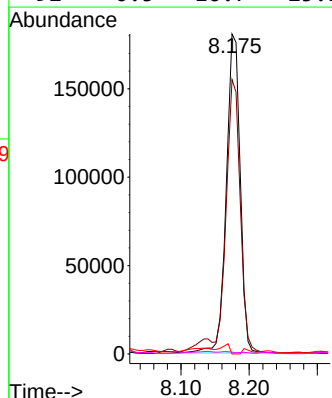
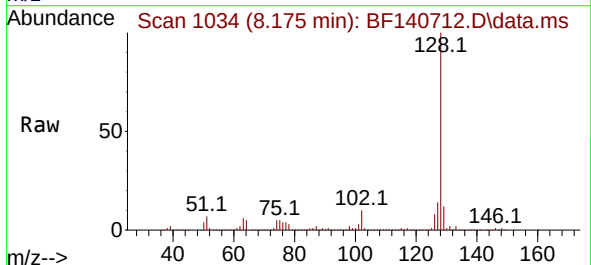
Instrument :
BNA_F
ClientSampleId :
MW-12

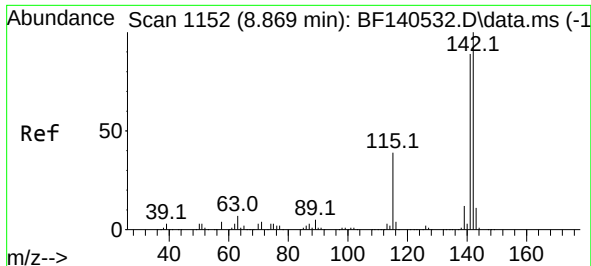
Tgt Ion:122 Resp: 11325
Ion Ratio Lower Upper
122 100
105 54.7 109.3 149.3#
77 141.3 82.3 122.3#



#33
4-Chloroaniline
Concen: 65.905 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion:127 Resp: 255502
Ion Ratio Lower Upper
127 100
129 85.7 26.0 39.0#
65 0.0 26.0 39.0#
92 0.5 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 3.161 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

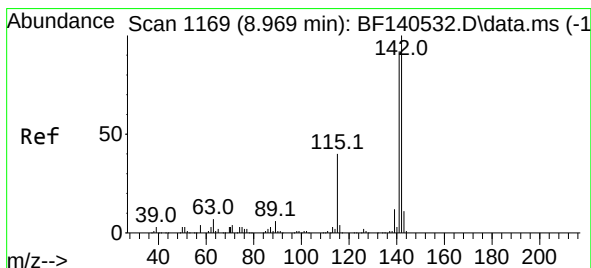
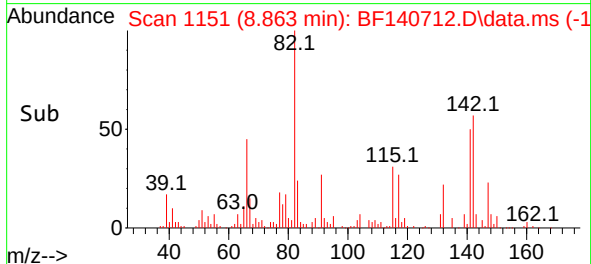
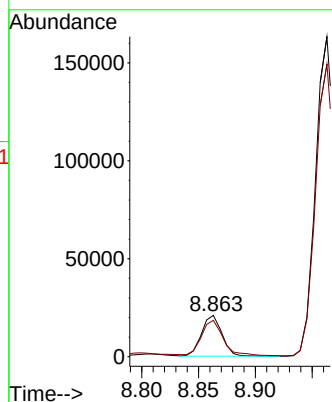
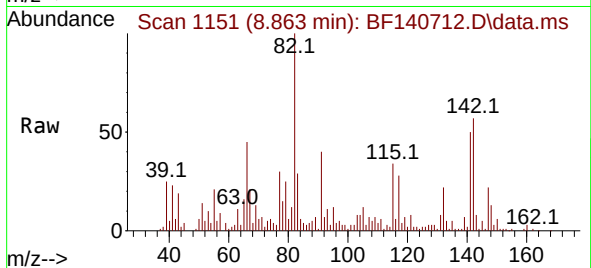
MW-12

Tgt Ion:142 Resp: 26000

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 24.802 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140712.D

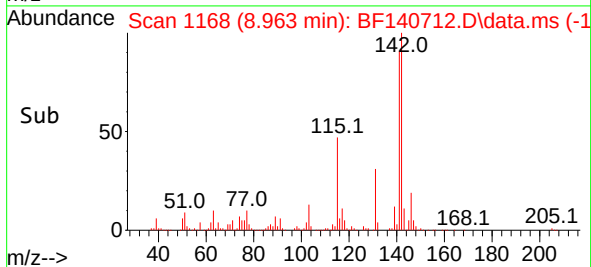
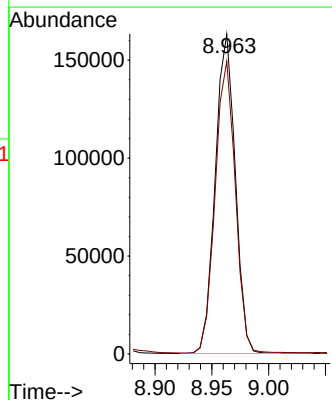
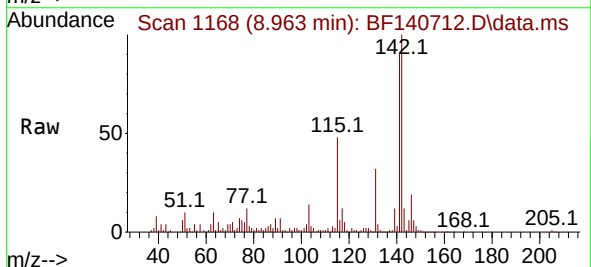
Acq: 03 Dec 2024 15:50

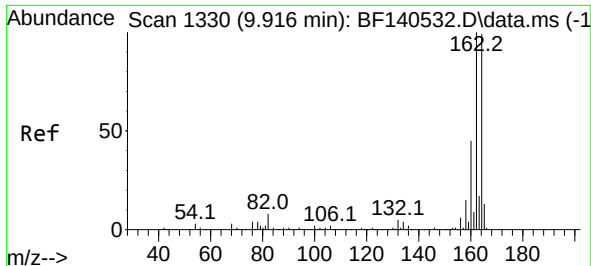
Tgt Ion:142 Resp: 199942

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

MW-12

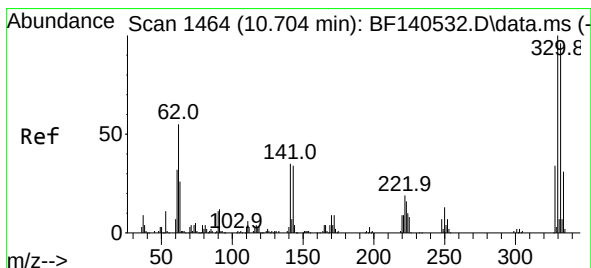
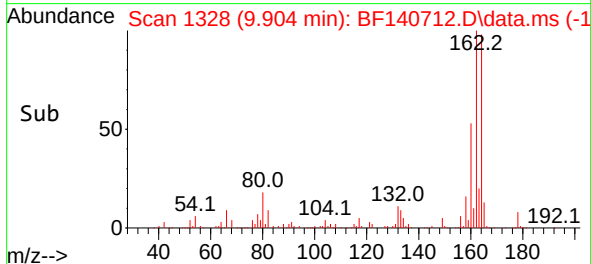
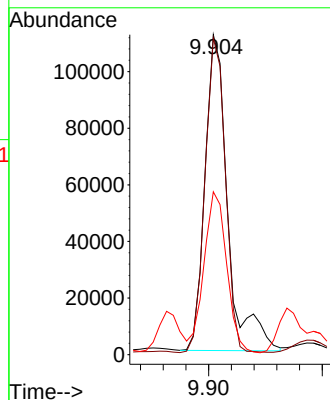
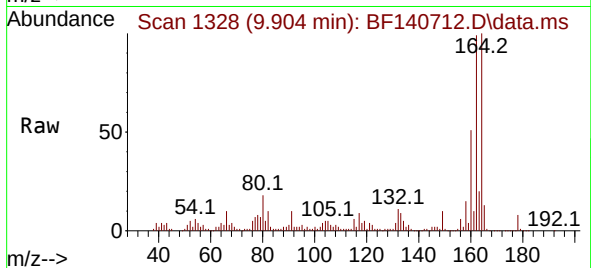
Tgt Ion:164 Resp: 155575

Ion Ratio Lower Upper

164 100

162 99.0 80.6 120.8

160 50.9 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 139.626 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

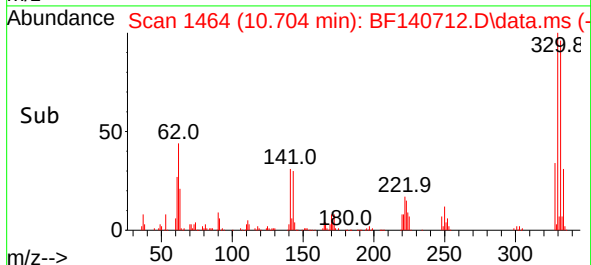
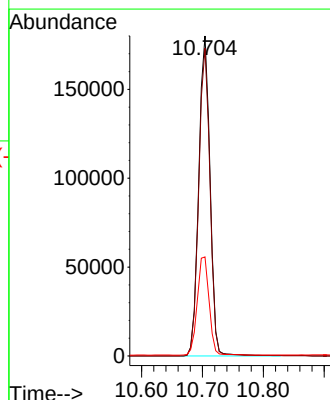
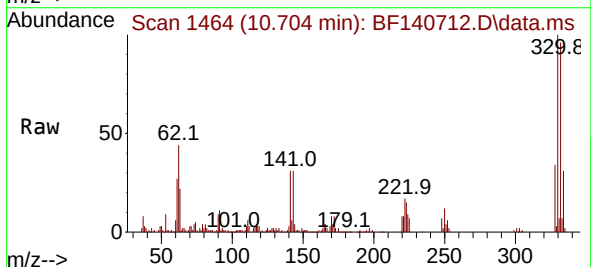
Tgt Ion:330 Resp: 232321

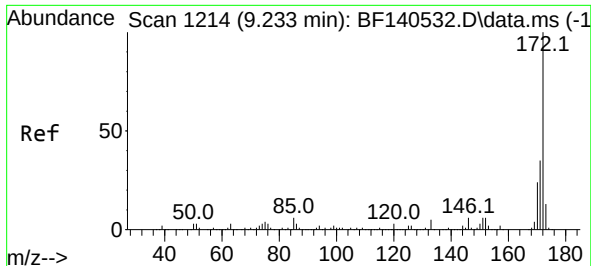
Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

141 32.2 26.7 40.1

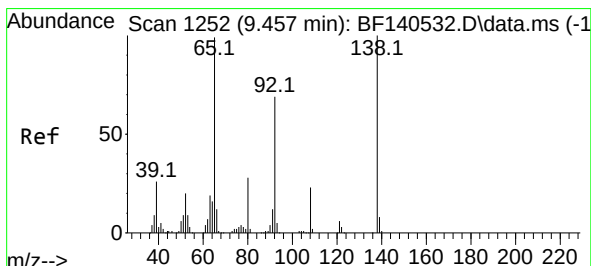
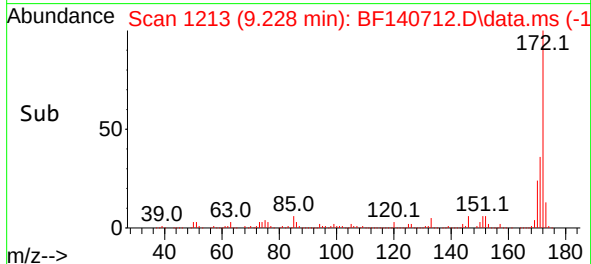
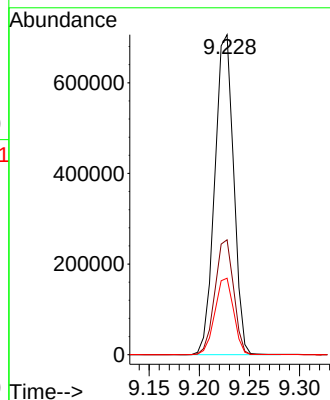
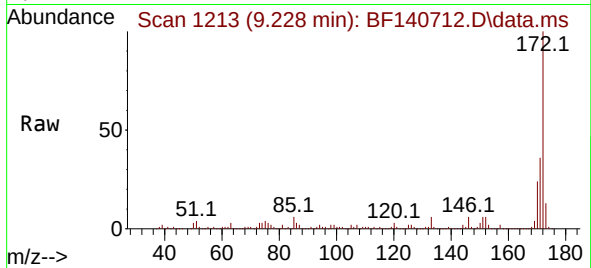




#45
2-Fluorobiphenyl
Concen: 88.445 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

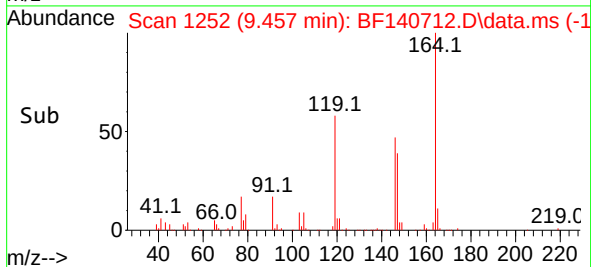
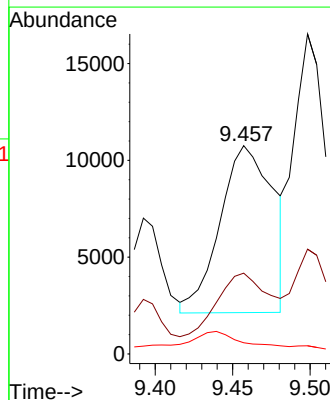
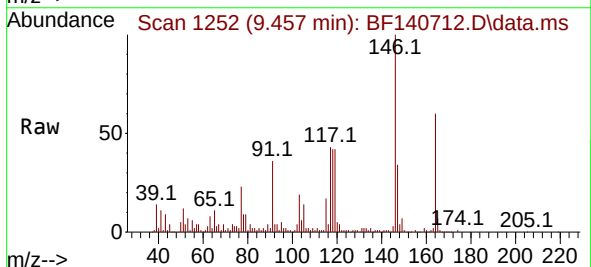
Instrument :
BNA_F
ClientSampleId :
MW-12

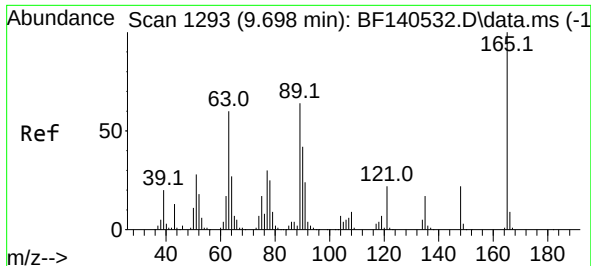
Tgt Ion:172 Resp: 923517
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.9 19.0 28.6



#48
2-Nitroaniline
Concen: 7.257 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion: 65 Resp: 20502
Ion Ratio Lower Upper
65 100
92 38.7 56.1 84.1#
138 5.4 81.0 121.6#

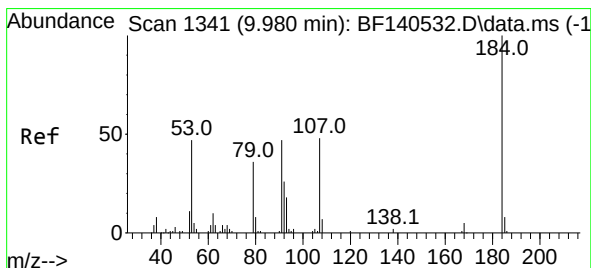
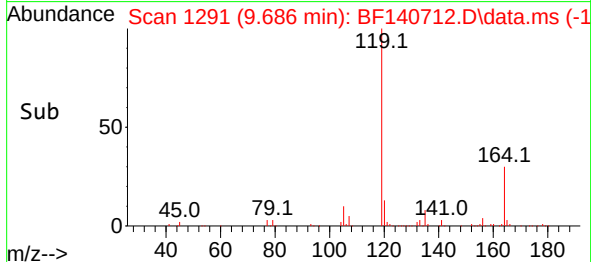
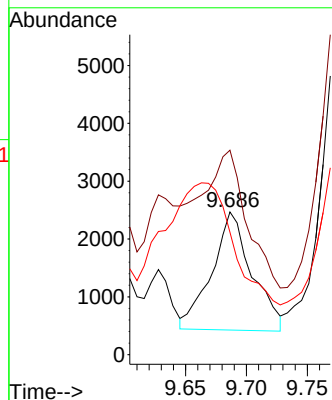
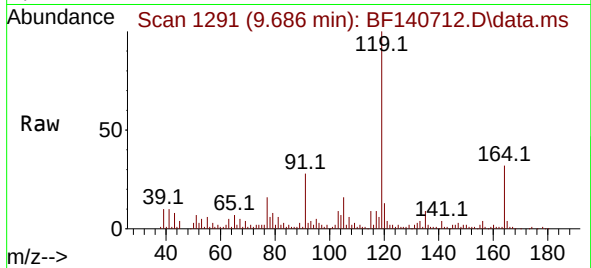




#51
2,6-Dinitrotoluene
Concen: 2.010 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

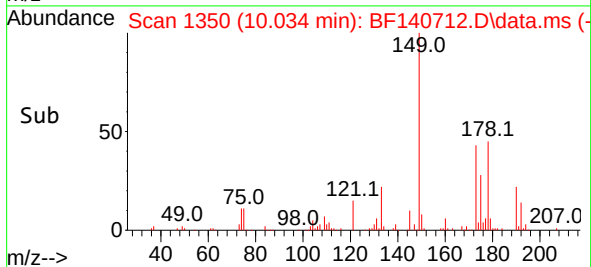
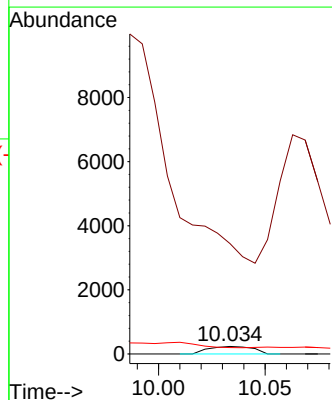
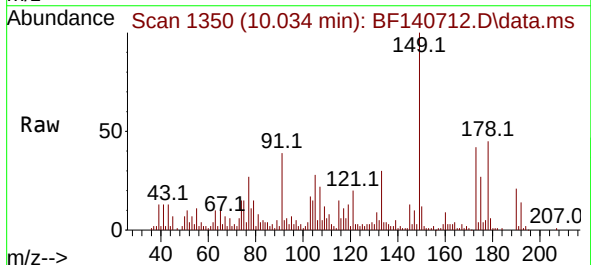
Instrument :
BNA_F
ClientSampleId :
MW-12

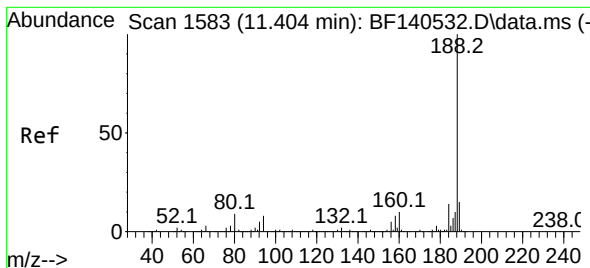
Tgt Ion:165 Resp: 4671
Ion Ratio Lower Upper
165 100
63 143.2 49.9 74.9#
89 85.7 50.9 76.3#



#54
2,4-Dinitrophenol
Concen: 8.080 ng
RT: 10.034 min Scan# 1350
Delta R.T. 0.054 min
Lab File: BF140712.D
Acq: 03 Dec 2024 15:50

Tgt Ion:184 Resp: 343
Ion Ratio Lower Upper
184 100
63 1465.5 54.1 81.1#
154 83.8 57.4 86.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

MW-12

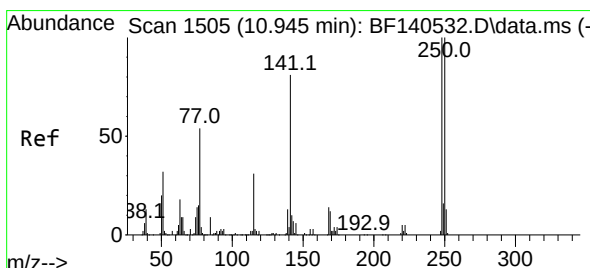
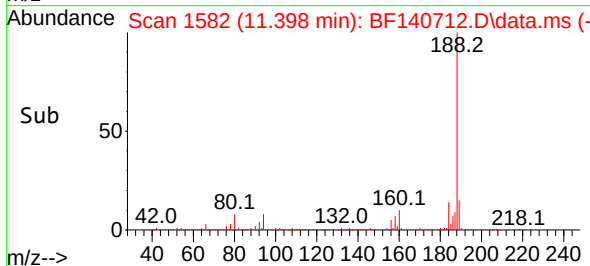
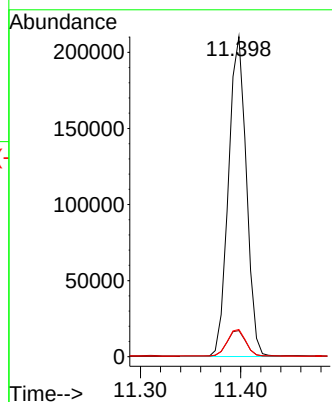
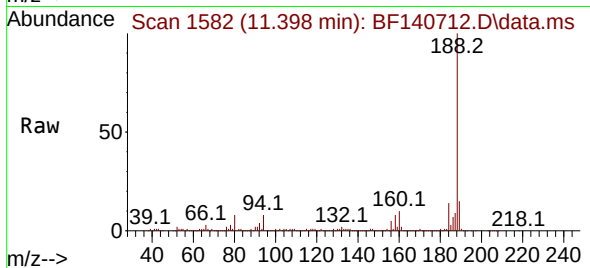
Tgt Ion:188 Resp: 260123

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 8.5 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.679 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

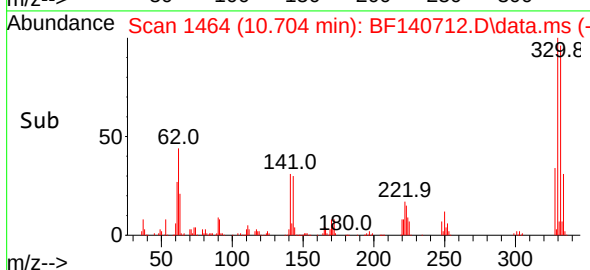
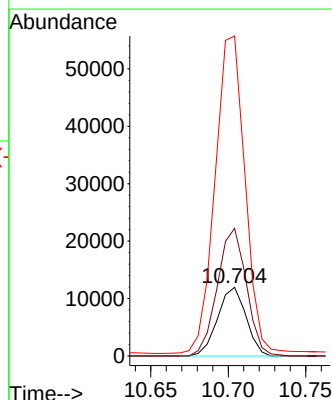
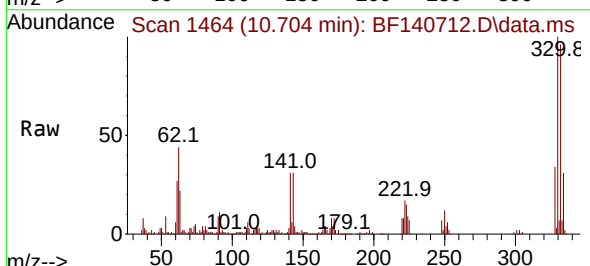
Tgt Ion:248 Resp: 15213

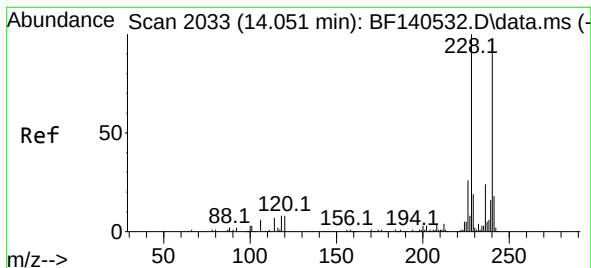
Ion Ratio Lower Upper

248 100

250 186.3 79.8 119.8#

141 466.6 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

MW-12

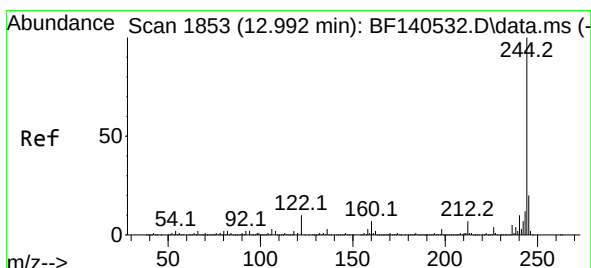
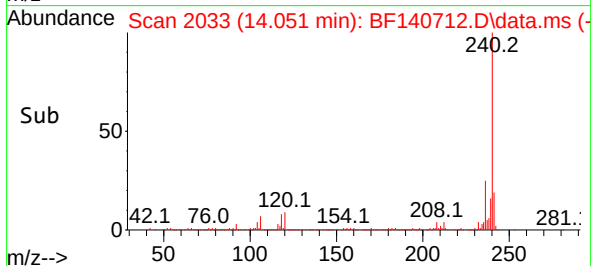
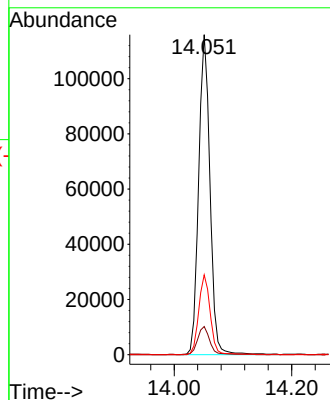
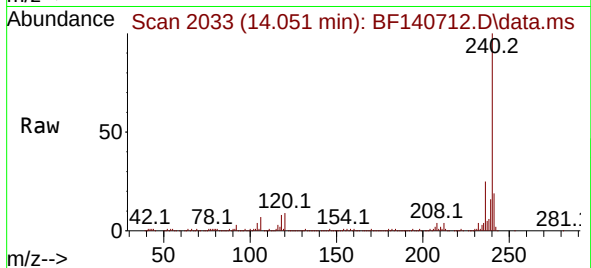
Tgt Ion:240 Resp: 154428

Ion Ratio Lower Upper

240 100

120 8.8 7.3 10.9

236 25.0 20.6 31.0



#79

Terphenyl-d14

Concen: 97.224 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

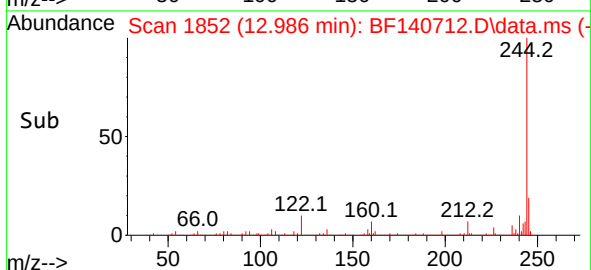
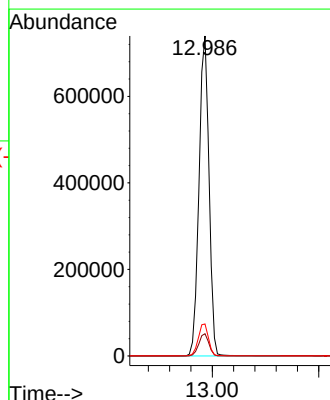
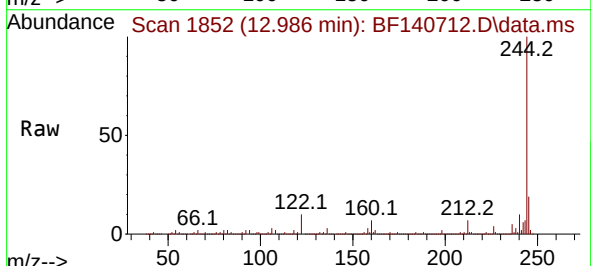
Tgt Ion:244 Resp: 964218

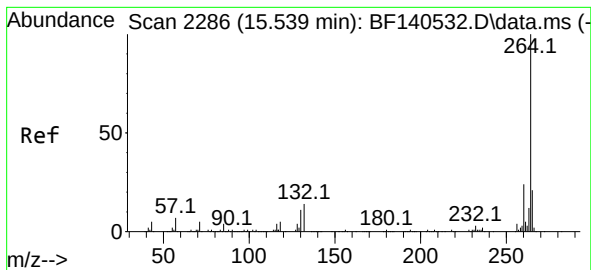
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.0 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF140712.D

Acq: 03 Dec 2024 15:50

Instrument :

BNA_F

ClientSampleId :

MW-12

Tgt Ion:264 Resp: 130761

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.6 16.6 25.0

