

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140812.D
 Acq On : 10 Dec 2024 18:00
 Operator : RC/JU
 Sample : P5216-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-744

Quant Time: Dec 11 00:33:48 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)

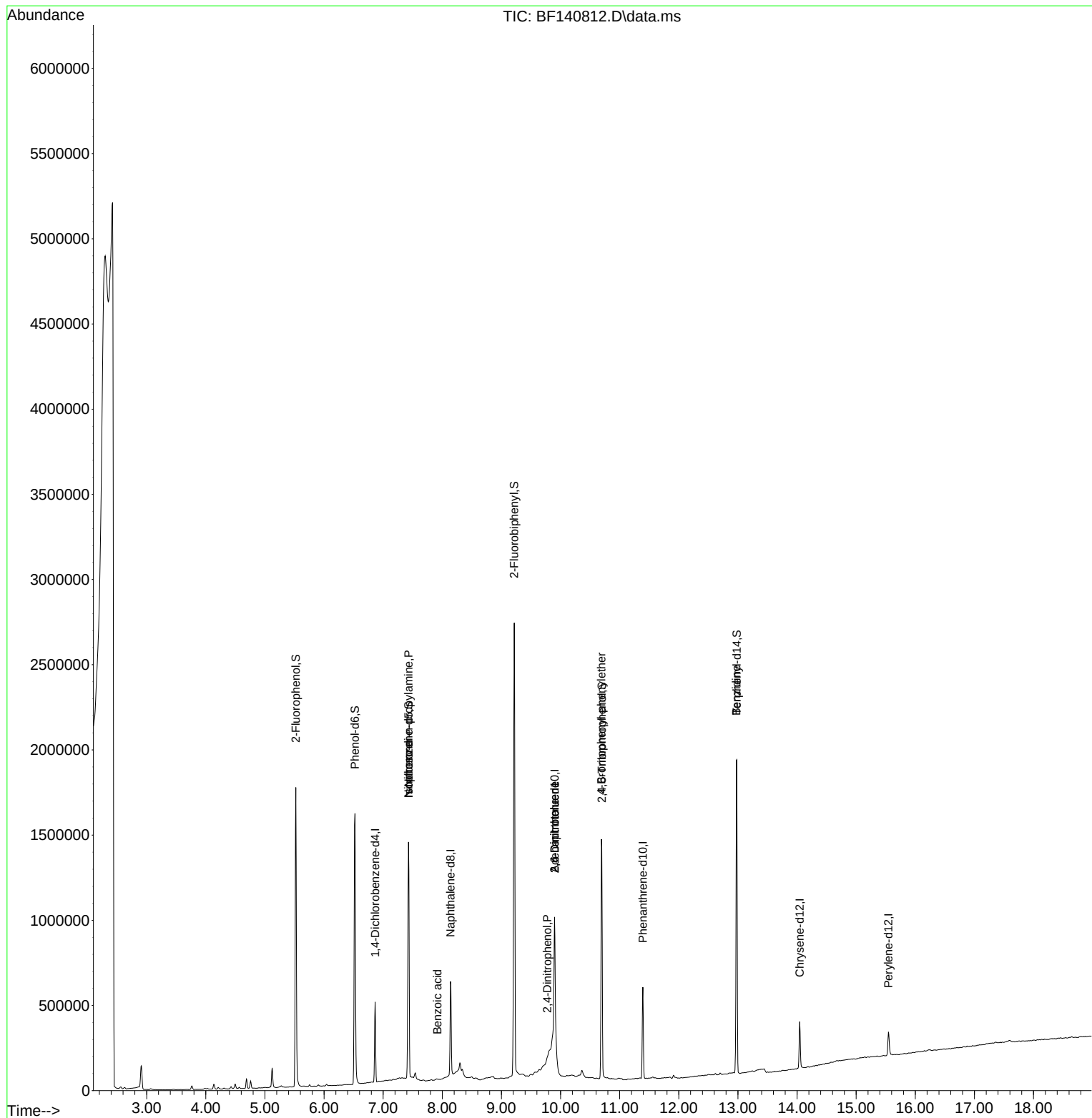
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	100853	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	377712	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	193164	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	297218	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	139273	20.000	ng	0.00
86) Perylene-d12	15.545	264	95099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	691626	117.008	ng	0.02
7) Phenol-d6	6.522	99	828056	105.965	ng	0.00
23) Nitrobenzene-d5	7.428	82	689133	93.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	261685	126.669	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1254596	96.771	ng	-0.02
79) Terphenyl-d14	12.980	244	956318	106.920	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	91234	19.755	ng	# 79
25) Isophorone	7.428	82	686895	55.770	ng	# 66
32) Benzoic acid	7.916	122	2159	7.713	ng	90
51) 2,6-Dinitrotoluene	9.898	165	24962	8.652	ng	# 30
54) 2,4-Dinitrophenol	9.775	184	111	7.890	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	24962	6.510	ng	# 28
67) 4-Bromophenyl-phenylether	10.692	248	16308	5.328	ng	# 1
77) Benzidine	12.975	184	14033	3.466	ng	96

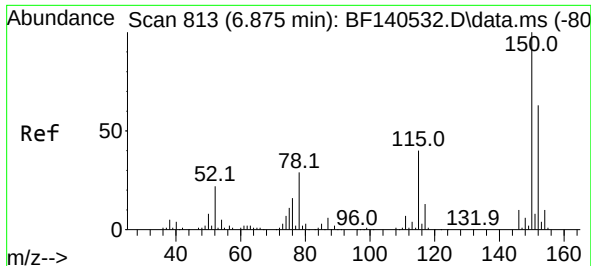
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
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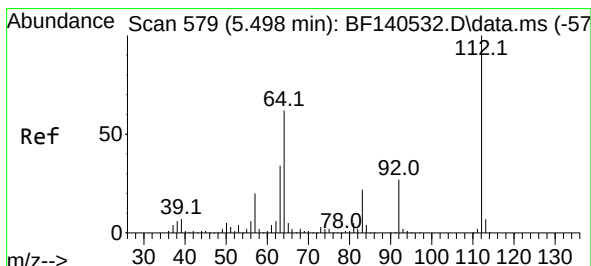
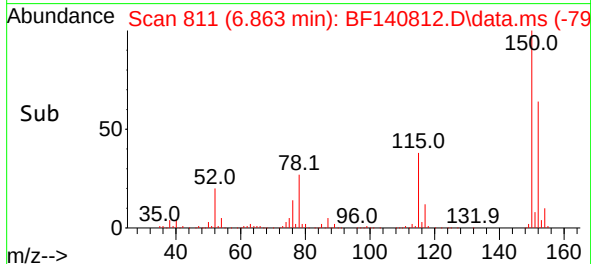
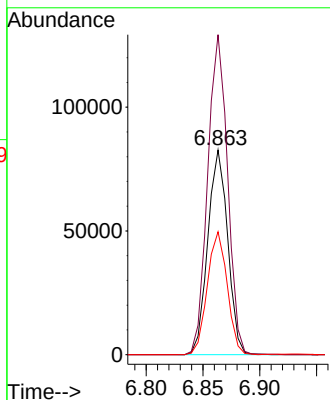
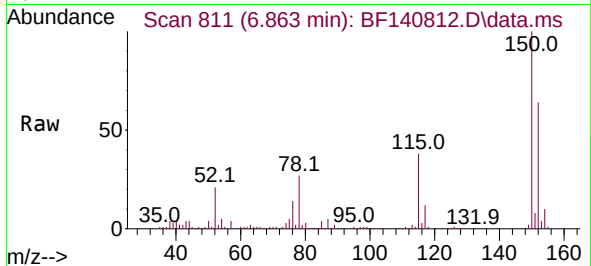




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

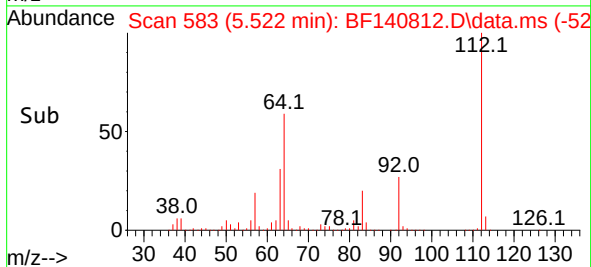
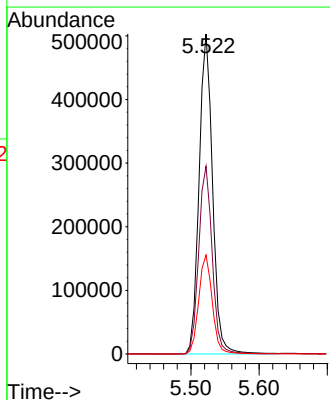
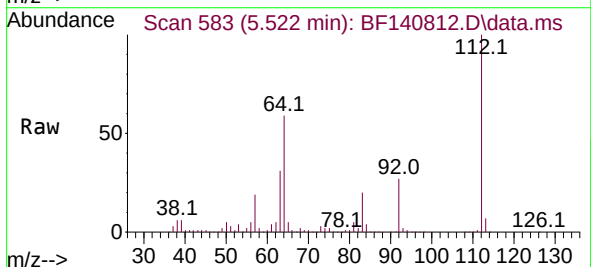
Instrument :
BNA_F
ClientSampleId :
MH-744

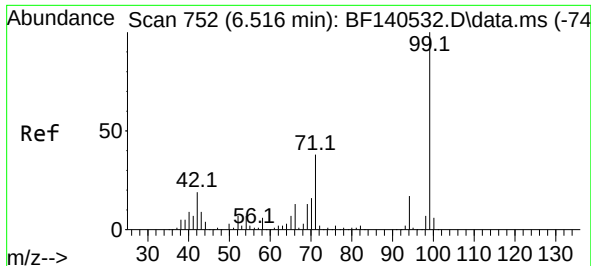
Tgt Ion:152 Resp: 100853
Ion Ratio Lower Upper
152 100
150 156.4 128.5 192.7
115 60.1 50.2 75.4



#5
2-Fluorophenol
Concen: 117.008 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

Tgt Ion:112 Resp: 691626
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.9 27.0 40.4

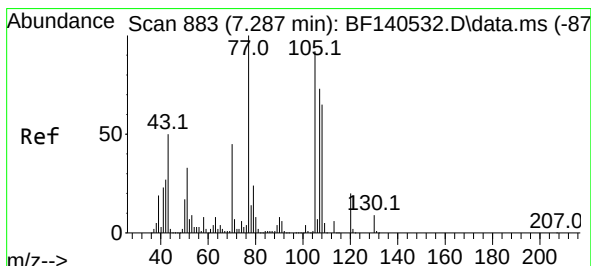
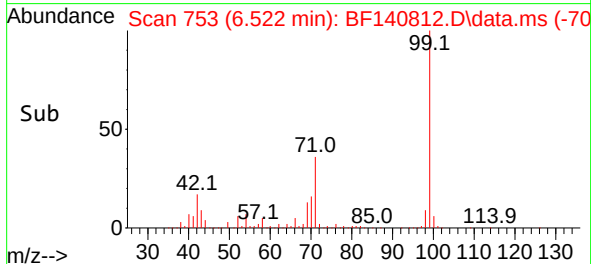
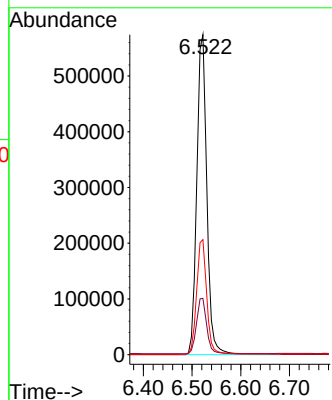
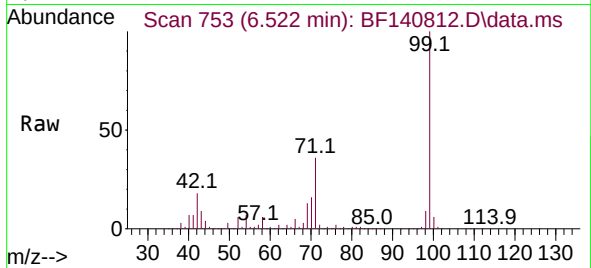




#7
Phenol-d6
Concen: 105.965 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

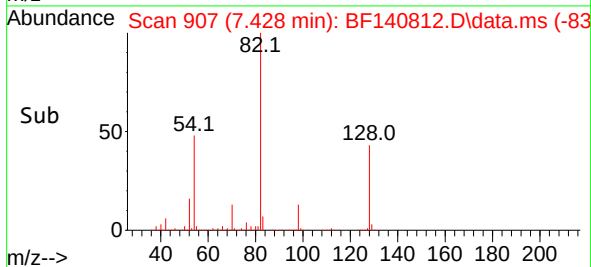
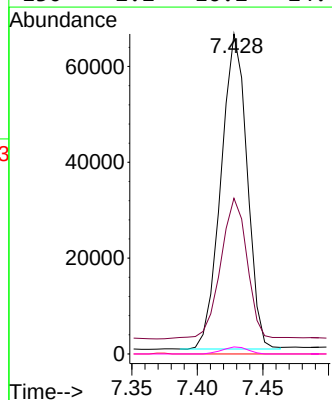
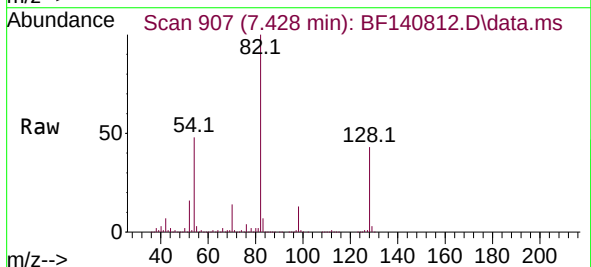
Instrument :
BNA_F
ClientSampleId :
MH-744

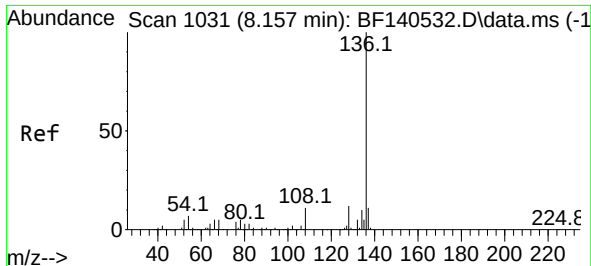
Tgt Ion: 99 Resp: 828056
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 36.0 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.755 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

Tgt Ion: 70 Resp: 91234
Ion Ratio Lower Upper
70 100
42 48.7 47.6 71.4
101 0.0 7.6 11.4#
130 2.2 16.2 24.4#



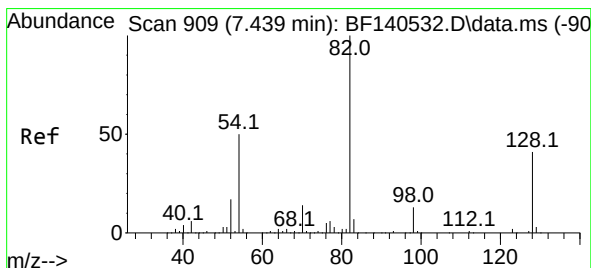
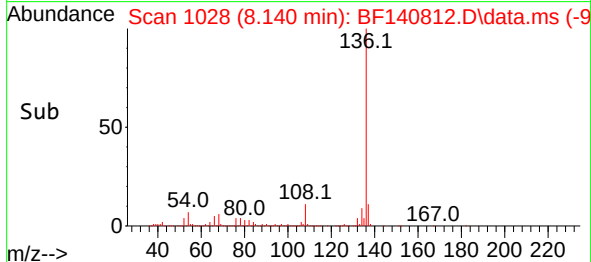
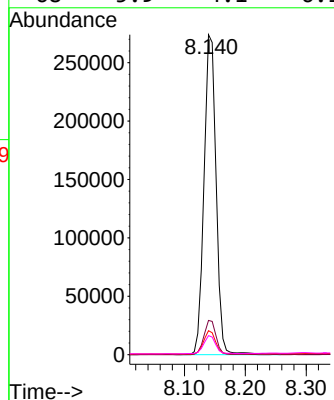
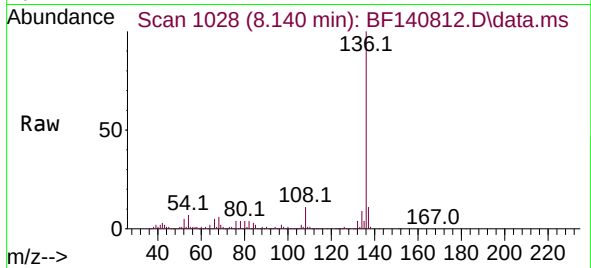


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

Instrument :
BNA_F
ClientSampleId :
MH-744

Tgt Ion:136 Resp: 377712

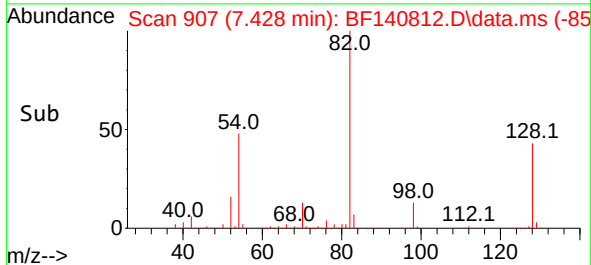
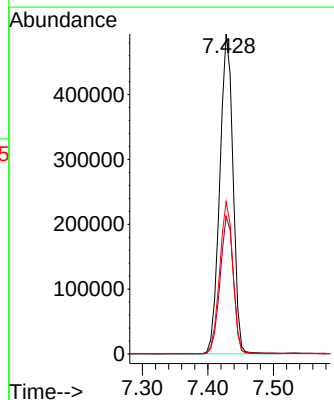
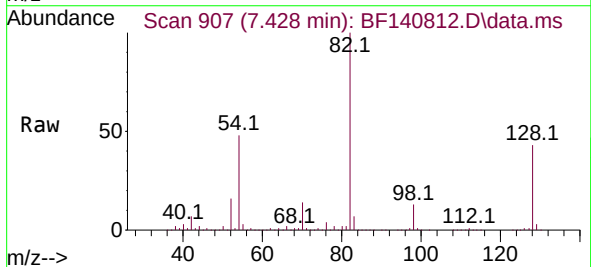
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.5	5.8	8.8
68	5.9	4.1	6.1

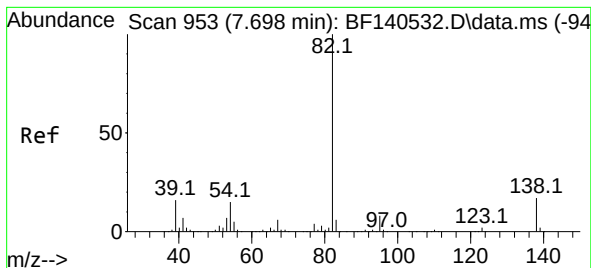


#23
Nitrobenzene-d5
Concen: 93.323 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

Tgt Ion: 82 Resp: 689133

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.0	49.4
54	47.6	39.5	59.3





#25

Isophorone

Concen: 55.770 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.270 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

MH-744

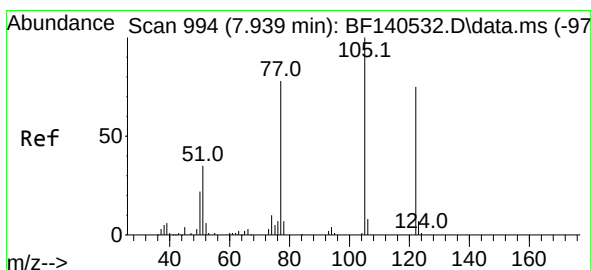
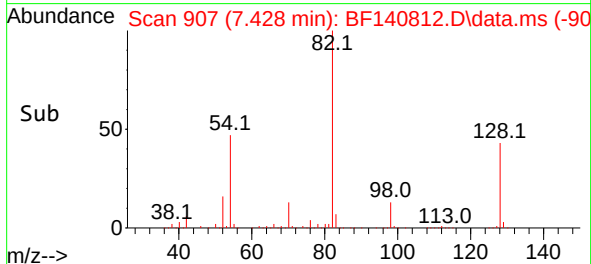
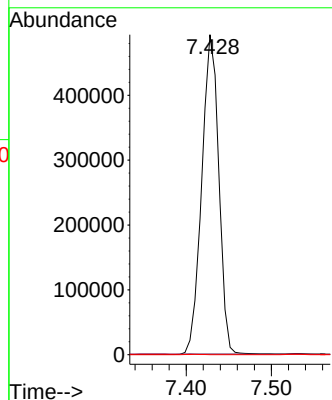
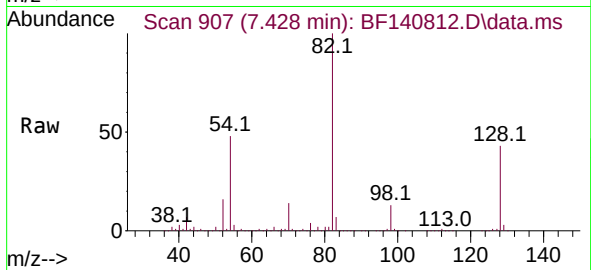
Tgt Ion: 82 Resp: 686895

Ion Ratio Lower Upper

82 100

95 0.2 6.4 9.6#

138 0.0 13.8 20.6#



#32

Benzoic acid

Concen: 7.713 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.023 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

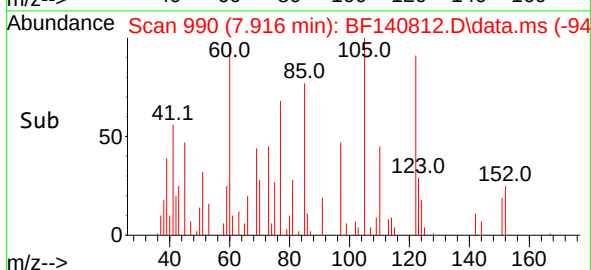
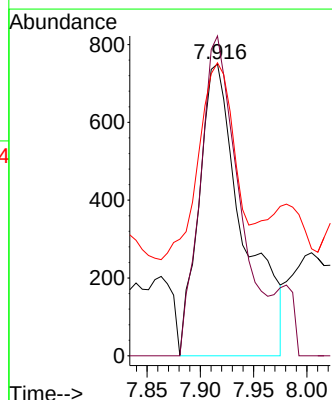
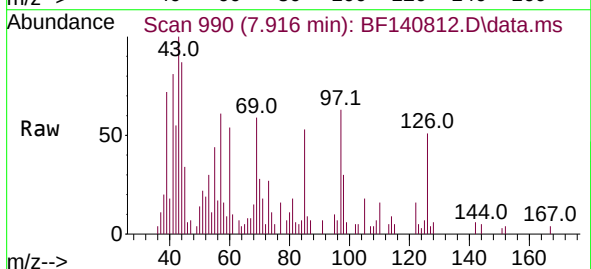
Tgt Ion:122 Resp: 2159

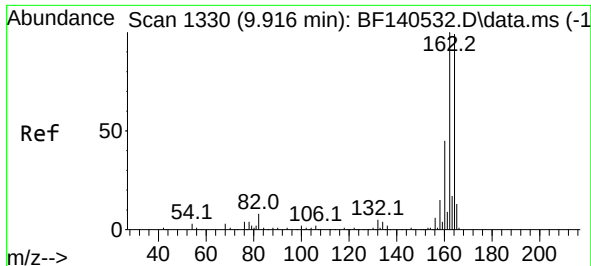
Ion Ratio Lower Upper

122 100

105 109.6 109.3 149.3

77 100.4 82.3 122.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

MH-744

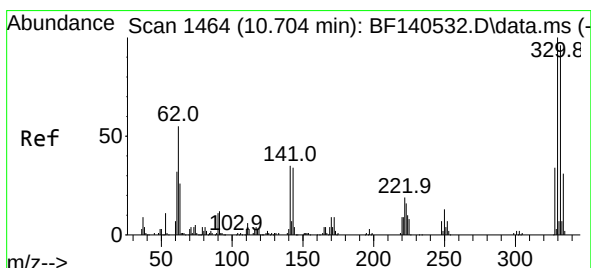
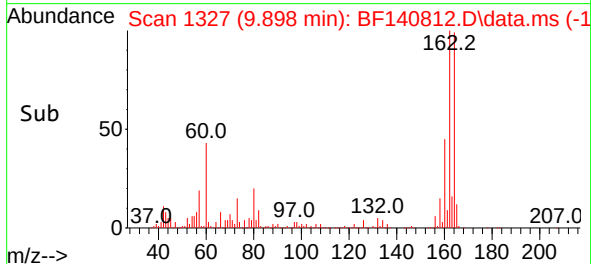
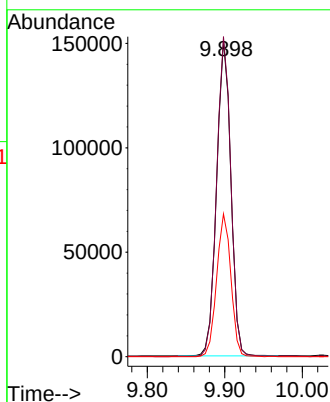
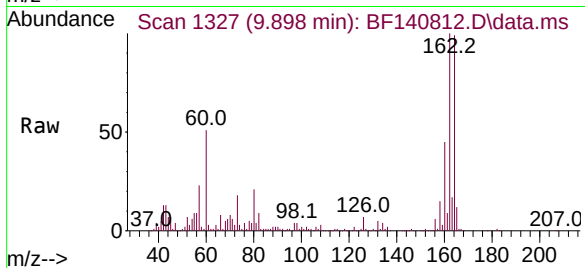
Tgt Ion:164 Resp: 193164

Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

160 45.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 126.669 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

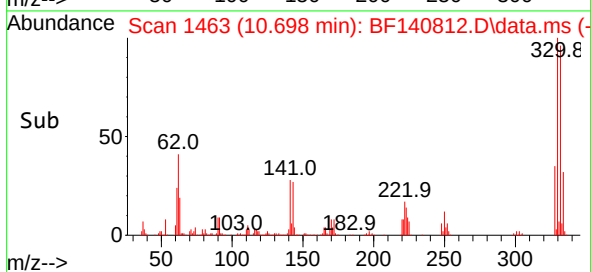
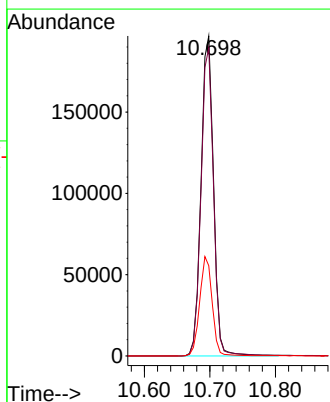
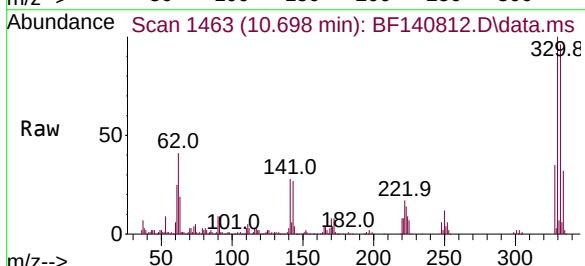
Tgt Ion:330 Resp: 261685

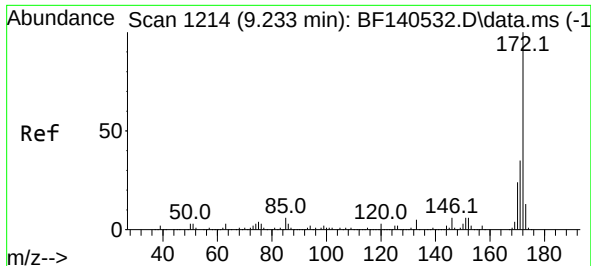
Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

141 31.3 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 96.771 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

MH-744

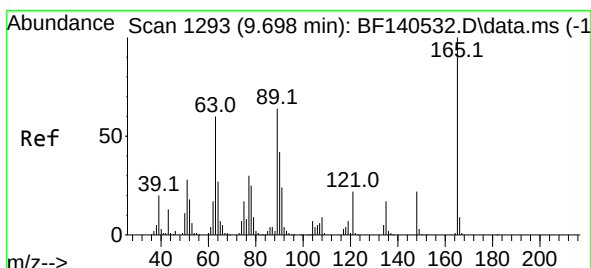
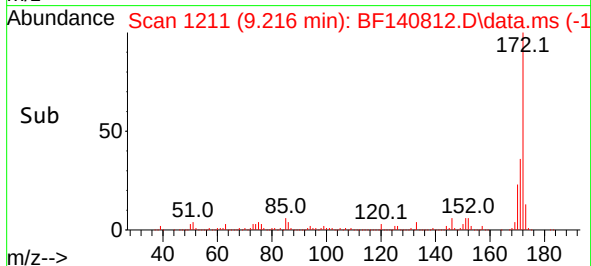
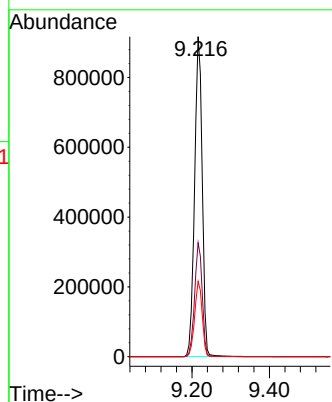
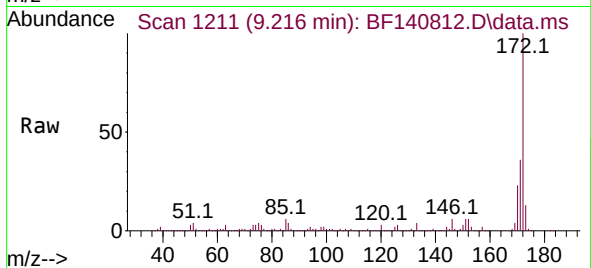
Tgt Ion:172 Resp: 1254596

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.652 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.200 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

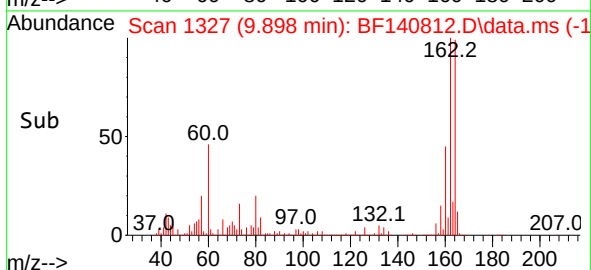
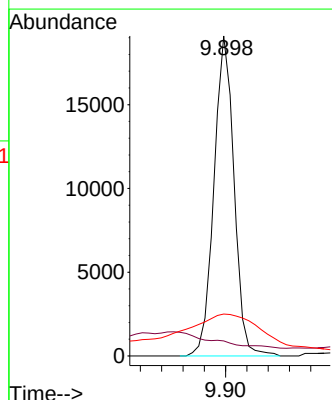
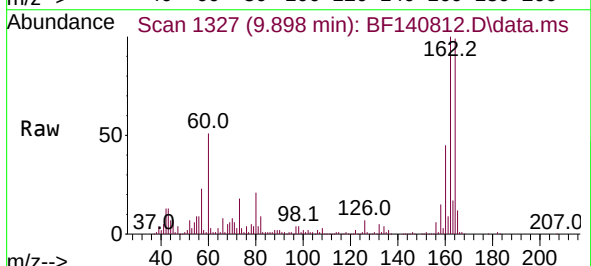
Tgt Ion:165 Resp: 24962

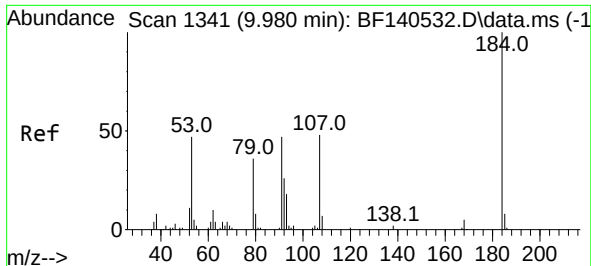
Ion Ratio Lower Upper

165 100

63 4.7 49.9 74.9#

89 13.1 50.9 76.3#

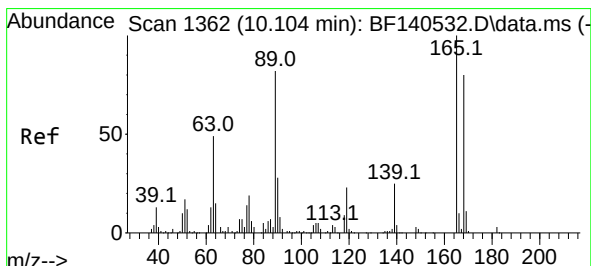
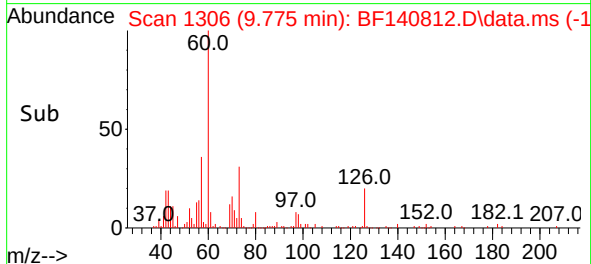
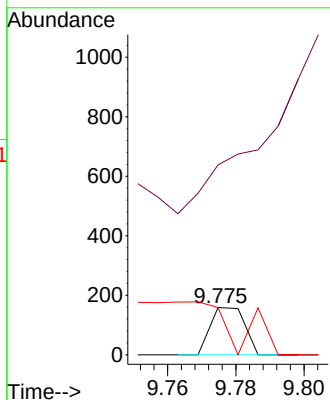
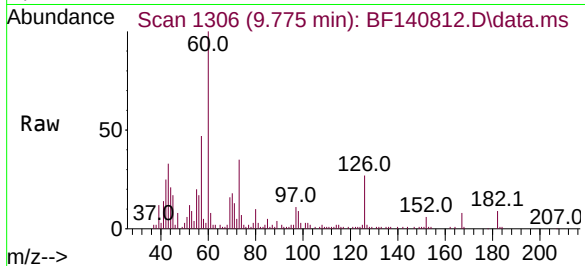




#54
2,4-Dinitrophenol
Concen: 7.890 ng
RT: 9.775 min Scan# 111
Delta R.T. -0.205 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

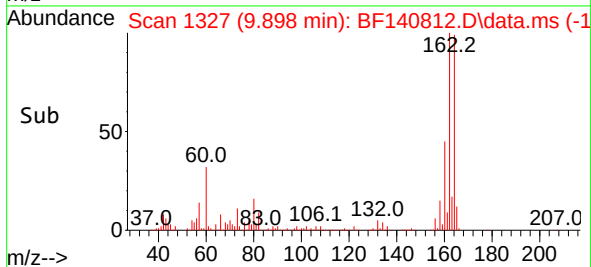
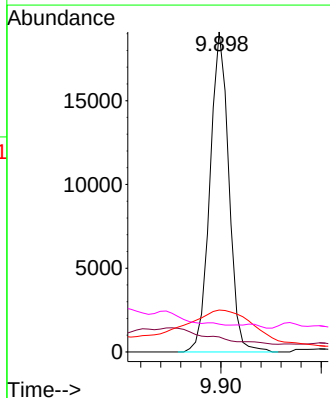
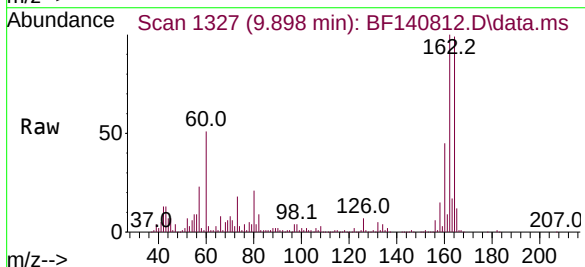
Instrument :
BNA_F
ClientSampleId :
MH-744

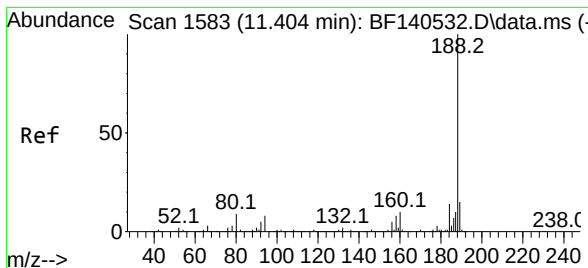
Tgt Ion:184 Resp: 111
Ion Ratio Lower Upper
184 100
63 401.3 54.1 81.1#
154 100.0 57.4 86.0#



#57
2,4-Dinitrotoluene
Concen: 6.510 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.206 min
Lab File: BF140812.D
Acq: 10 Dec 2024 18:00

Tgt Ion:165 Resp: 24962
Ion Ratio Lower Upper
165 100
63 4.7 41.7 62.5#
89 13.1 65.8 98.8#
182 8.7 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

MH-744

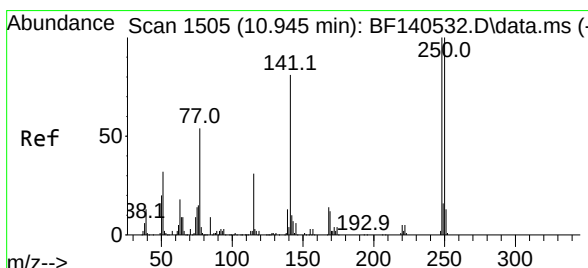
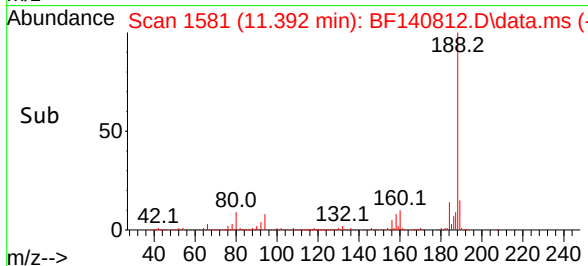
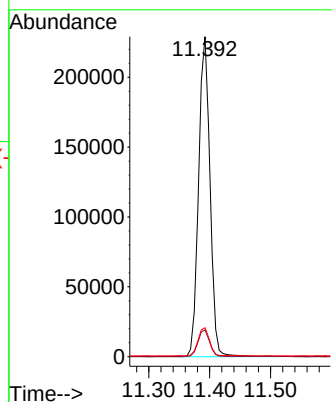
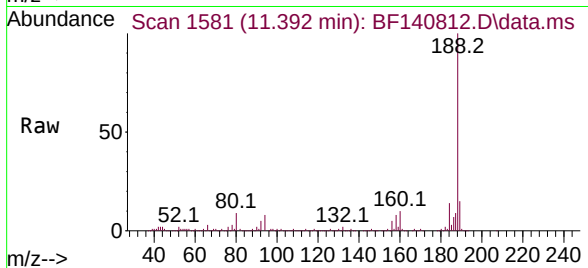
Tgt Ion:188 Resp: 297218

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.328 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

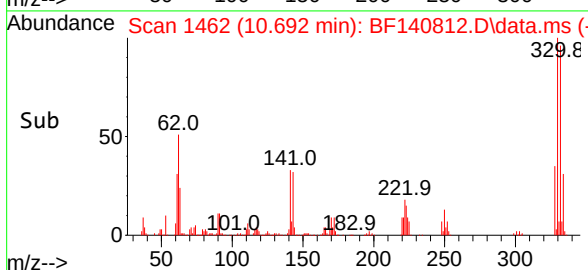
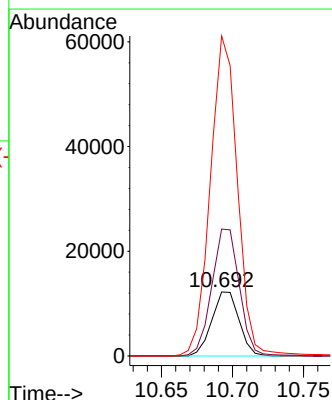
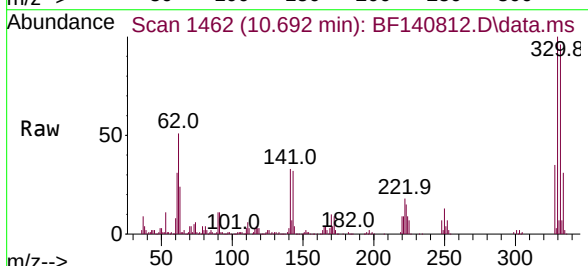
Tgt Ion:248 Resp: 16308

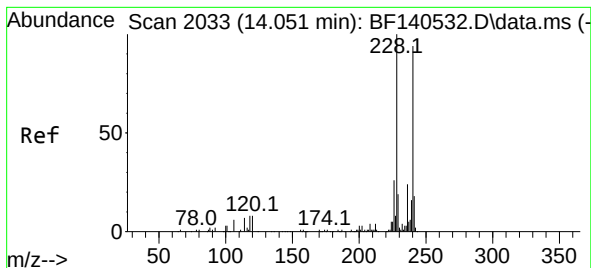
Ion Ratio Lower Upper

248 100

250 198.2 79.8 119.8#

141 499.6 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

MH-744

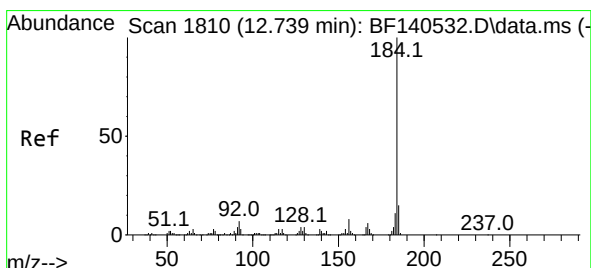
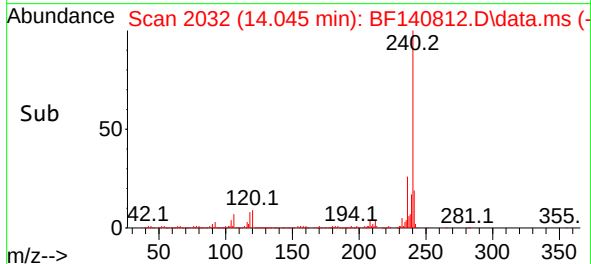
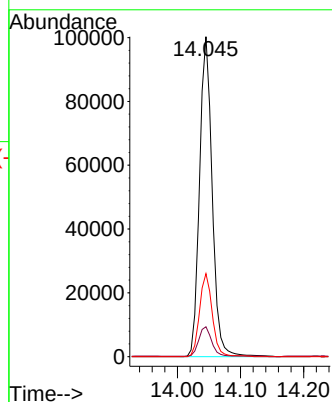
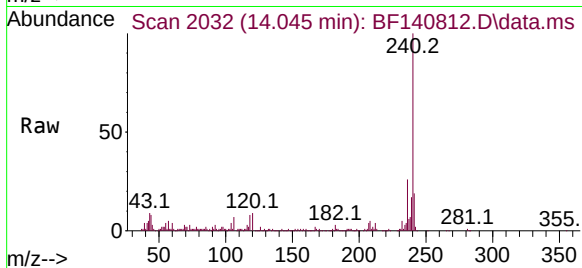
Tgt Ion:240 Resp: 139273

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 25.9 20.6 31.0



#77

Benzidine

Concen: 3.466 ng

RT: 12.975 min Scan# 1850

Delta R.T. 0.236 min

Lab File: BF140812.D

Acq: 10 Dec 2024 18:00

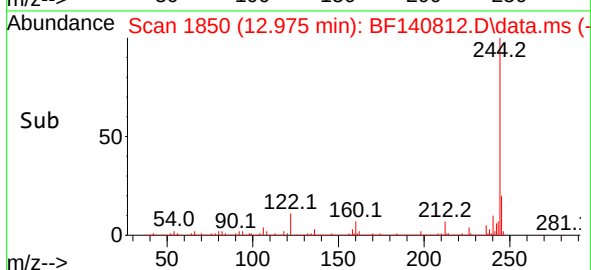
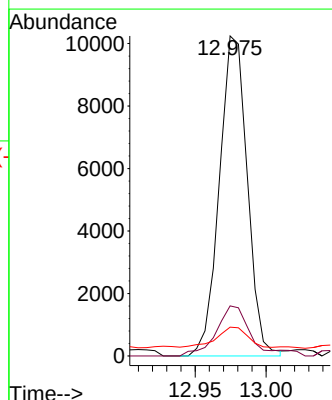
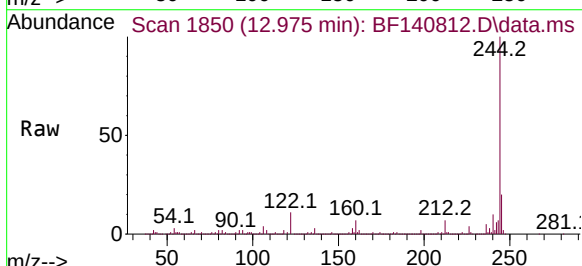
Tgt Ion:184 Resp: 14033

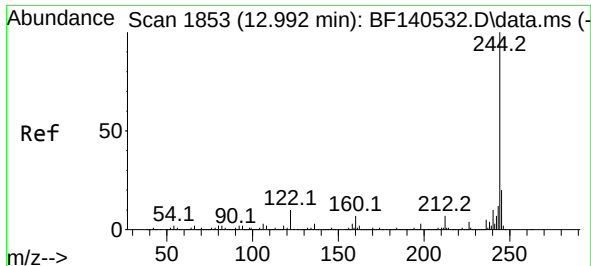
Ion Ratio Lower Upper

184 100

185 15.6 11.7 17.5

183 9.0 8.8 13.2

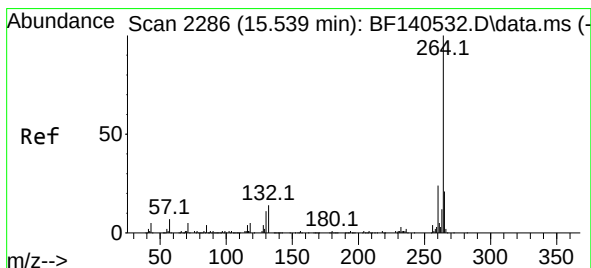
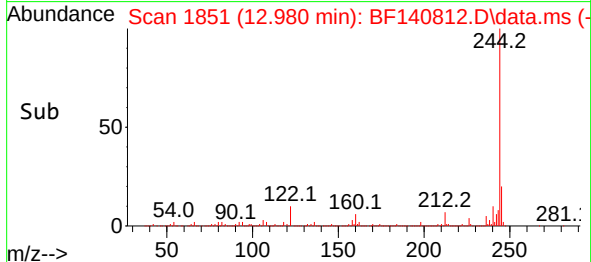
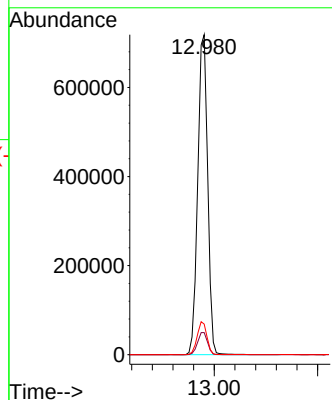
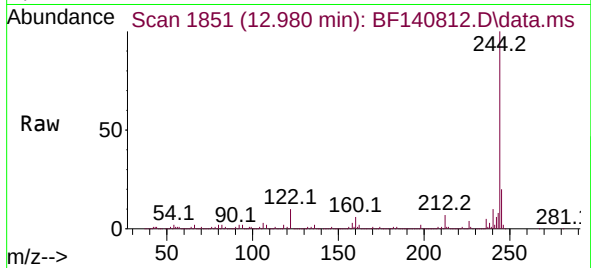




#79
 Terphenyl-d14
 Concen: 106.920 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140812.D
 Acq: 10 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 MH-744

Tgt Ion:244 Resp: 956318
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2287
 Delta R.T. 0.006 min
 Lab File: BF140812.D
 Acq: 10 Dec 2024 18:00

Tgt Ion:264 Resp: 95099
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 21.3 16.6 25.0

