

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140908.D
 Acq On : 18 Dec 2024 16:20
 Operator : RC/JU
 Sample : P5277-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1A

Quant Time: Dec 18 16:46:59 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)

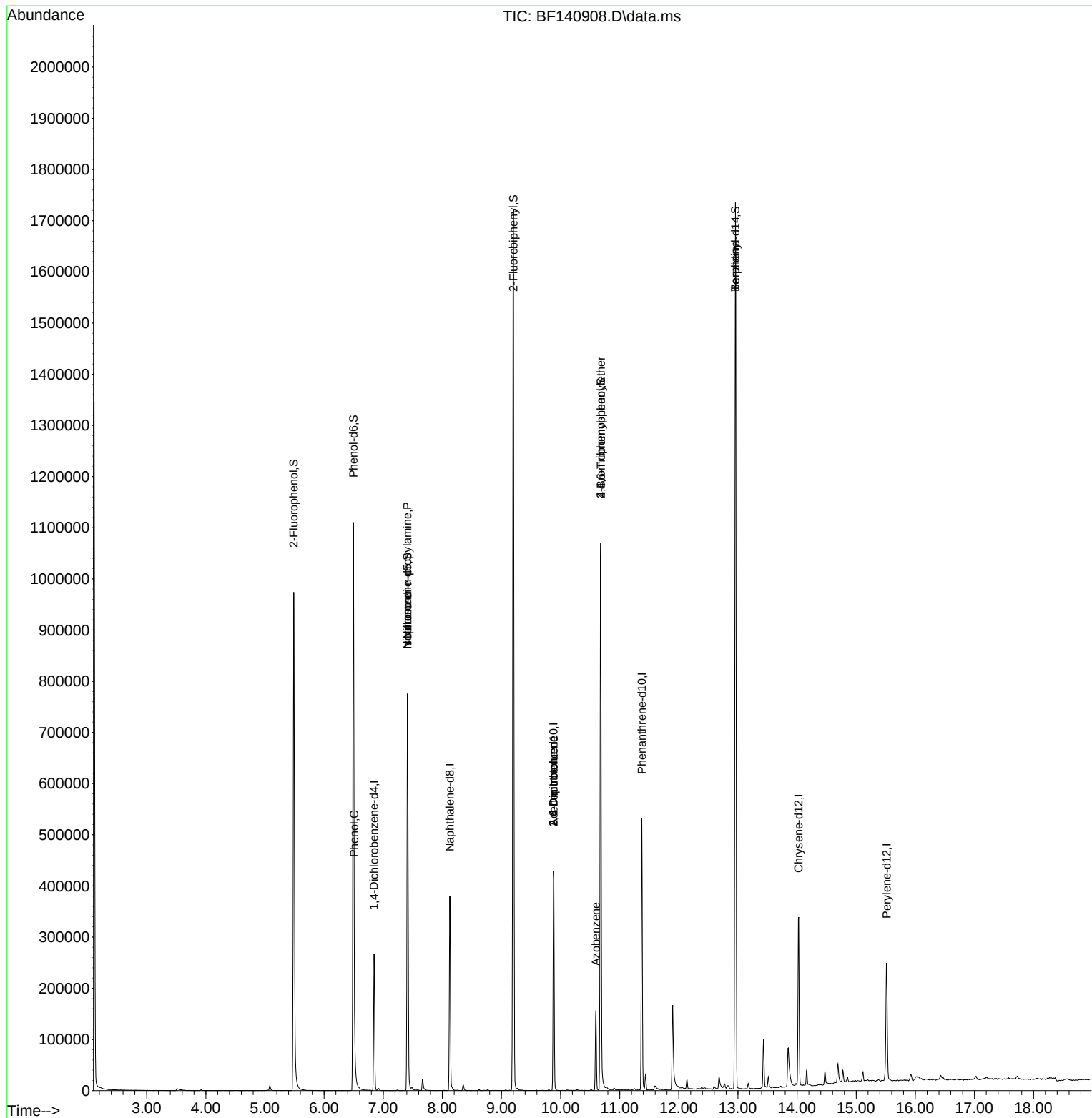
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	57787	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	250481	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	134816	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	289600	20.000	ng	0.00
76) Chrysene-d12	14.027	240	168984	20.000	ng	0.00
86) Perylene-d12	15.515	264	145909	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	403162	114.849	ng	0.00
7) Phenol-d6	6.498	99	569423	122.470	ng	0.00
23) Nitrobenzene-d5	7.410	82	382990	76.498	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	202110	126.755	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	809818	82.585	ng	0.00
79) Terphenyl-d14	12.957	244	876656	81.805	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.510	94	11611	2.409	ng	# 54
19) n-Nitroso-di-n-propyla...	7.410	70	50445	18.087	ng	# 76
25) Isophorone	7.410	82	379070	45.188	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	17405	8.010	ng	# 21
57) 2,4-Dinitrotoluene	9.880	165	17405	6.088	ng	# 15
63) Azobenzene	10.598	77	41441	4.472	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	12356	3.814	ng	# 1
77) Benzidine	12.957	184	11794	3.420	ng	# 88

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

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Misc :
ALS Vial : 14 Sample Multiplier: 1

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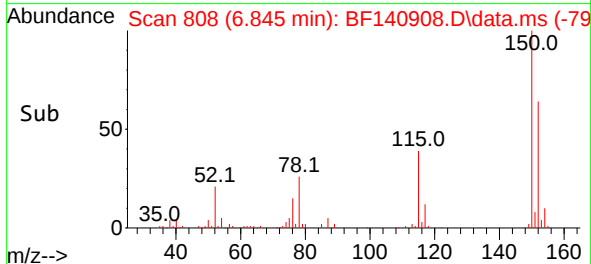
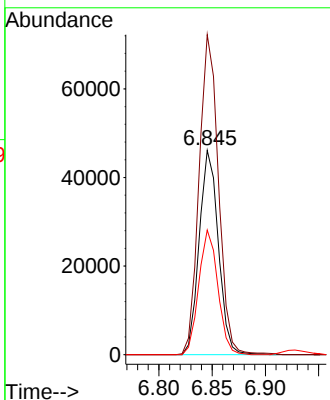
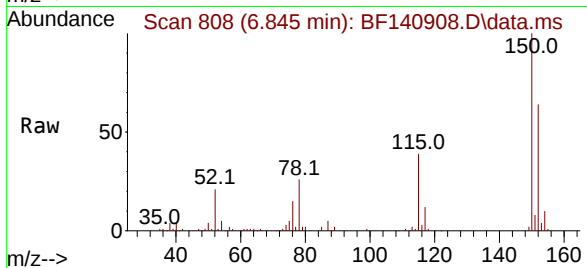




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 809
 Delta R.T. -0.006 min
 Lab File: BF140908.D
 Acq: 18 Dec 2024 16:20

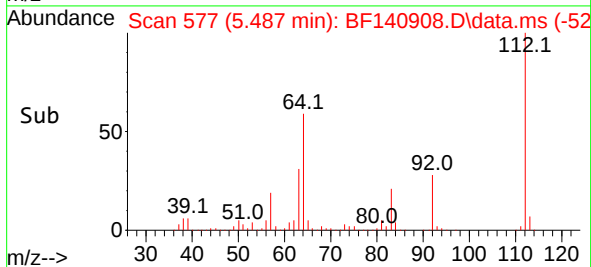
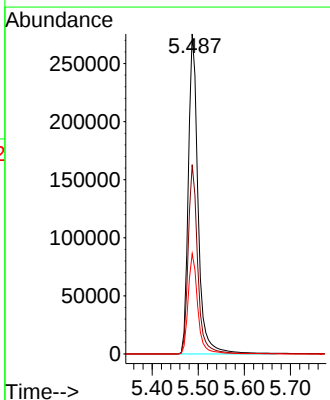
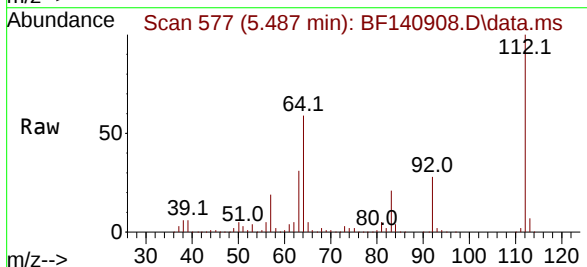
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1A

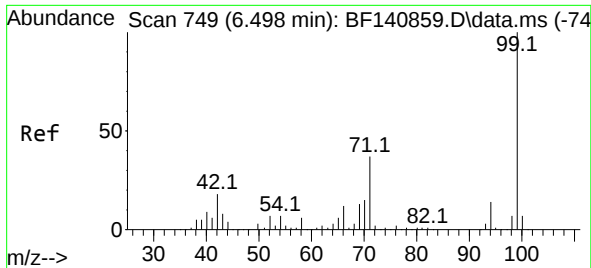
Tgt Ion:152 Resp: 57787
 Ion Ratio Lower Upper
 152 100
 150 156.6 127.9 191.9
 115 61.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 114.849 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.000 min
 Lab File: BF140908.D
 Acq: 18 Dec 2024 16:20

Tgt Ion:112 Resp: 403162
 Ion Ratio Lower Upper
 112 100
 64 59.1 46.1 69.1
 63 31.4 24.9 37.3





#7

Phenol-d6

Concen: 122.470 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

COMP-1A

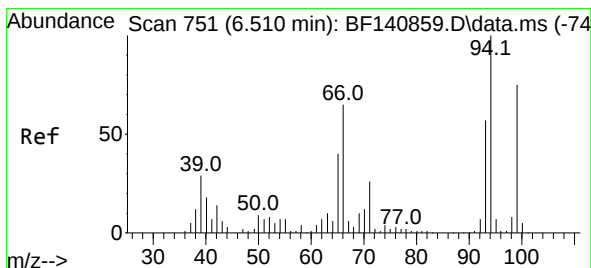
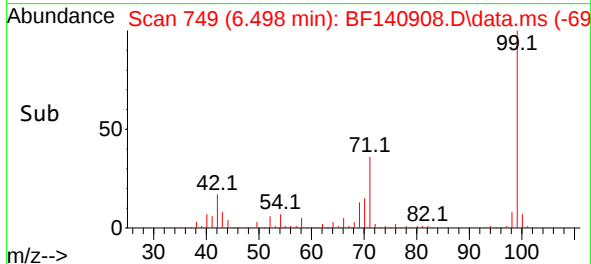
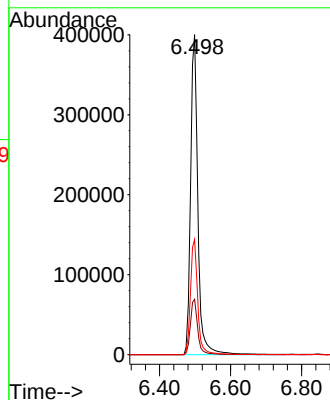
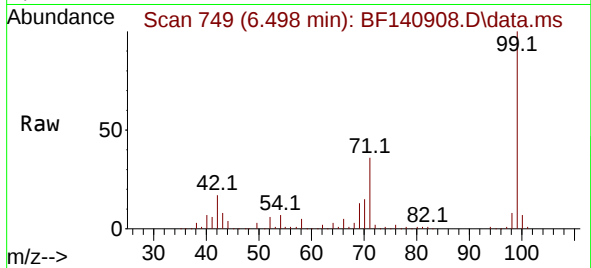
Tgt Ion: 99 Resp: 569423

Ion Ratio Lower Upper

99 100

42 17.3 14.3 21.5

71 36.0 29.9 44.9



#10

Phenol

Concen: 2.409 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

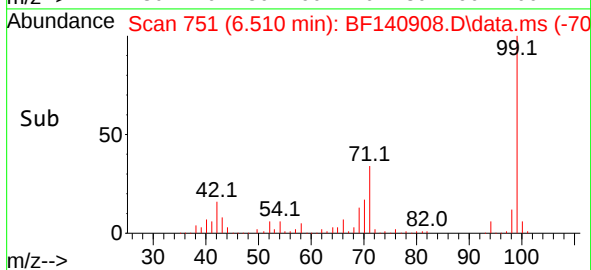
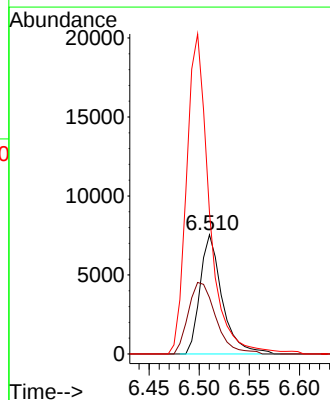
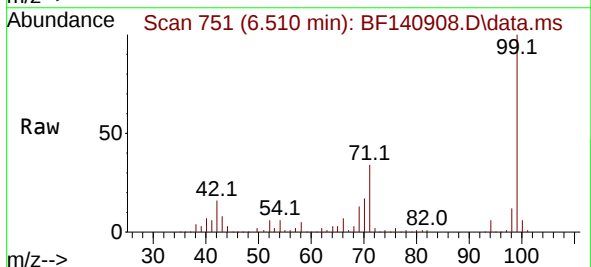
Tgt Ion: 94 Resp: 11611

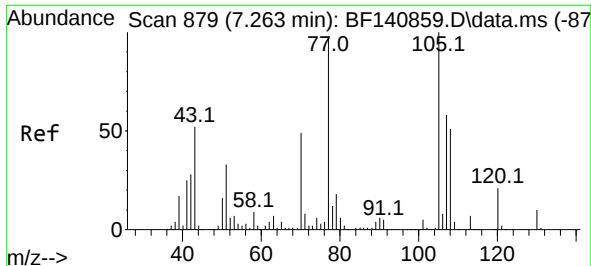
Ion Ratio Lower Upper

94 100

65 47.2 19.9 59.9

66 118.5 45.6 85.6#

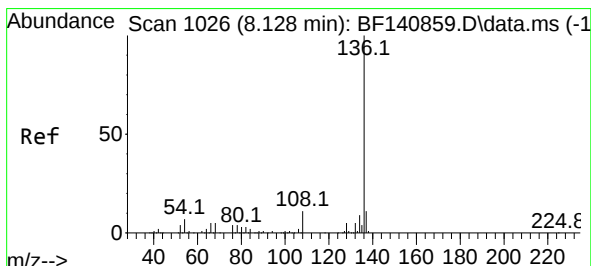
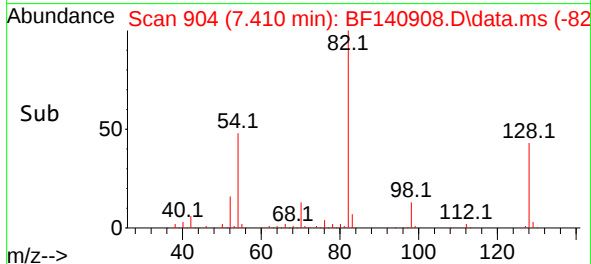
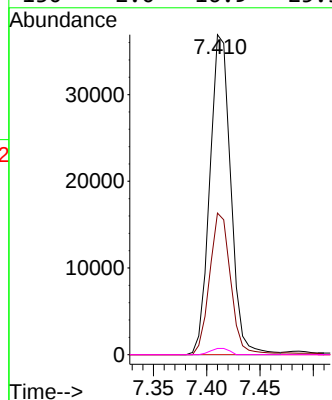
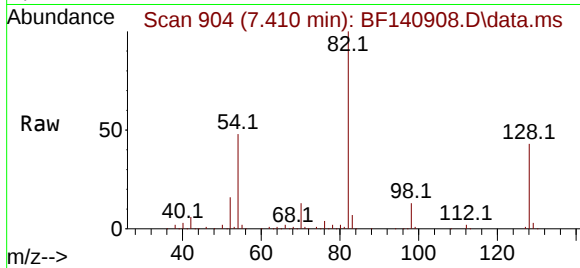




#19
n-Nitroso-di-n-propylamine
Concen: 18.087 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

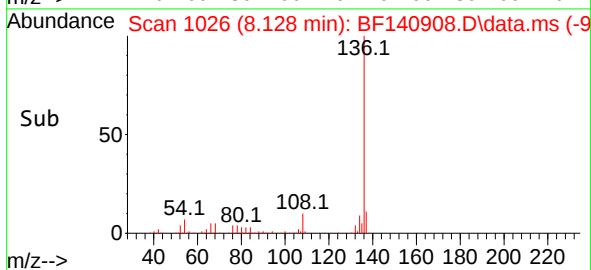
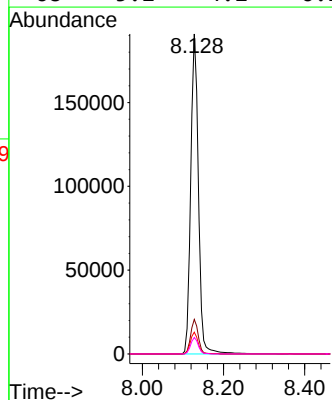
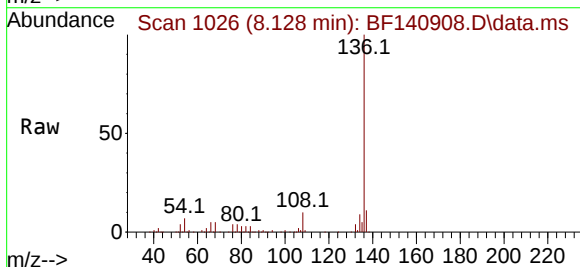
Instrument :
BNA_F
ClientSampleId :
COMP-1A

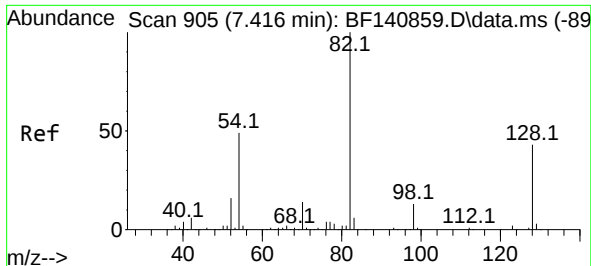
Tgt Ion: 70 Resp: 50445
Ion Ratio Lower Upper
70 100
42 44.2 45.3 67.9#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

Tgt Ion: 136 Resp: 250481
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.8 5.6 8.4
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 76.498 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

COMP-1A

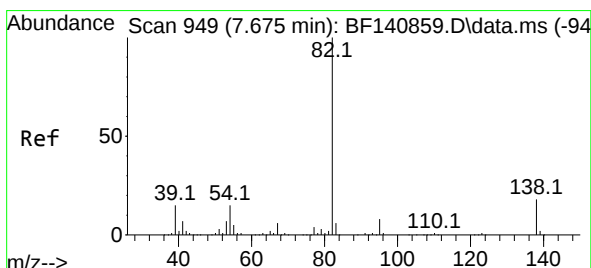
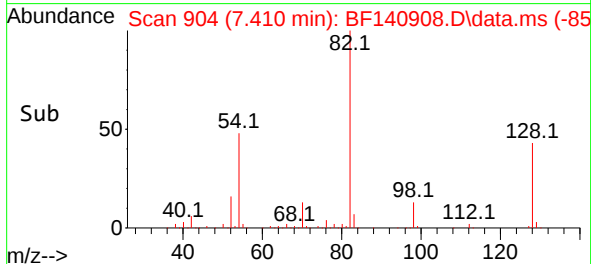
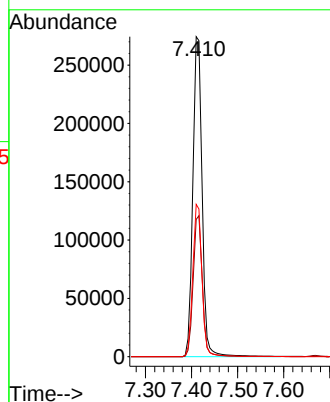
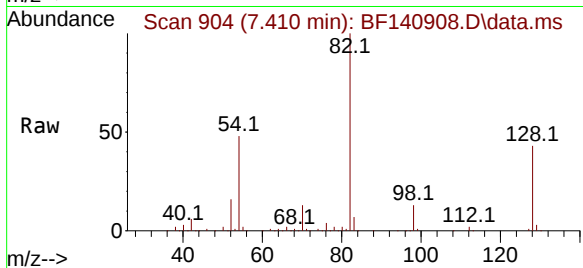
Tgt Ion: 82 Resp: 382990

Ion Ratio Lower Upper

82 100

128 42.9 34.4 51.6

54 47.6 38.8 58.2



#25

Isophorone

Concen: 45.188 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.265 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

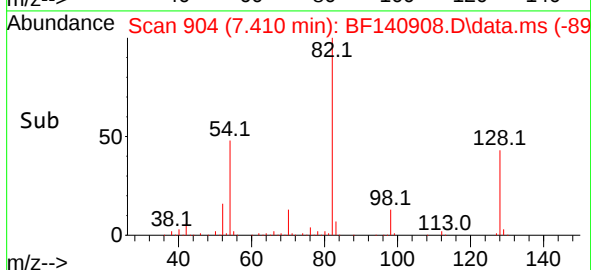
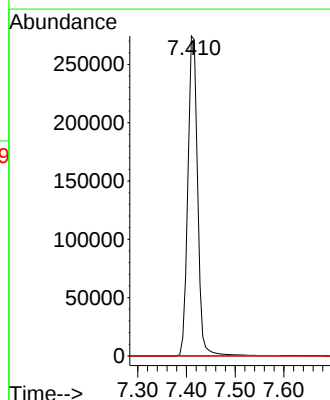
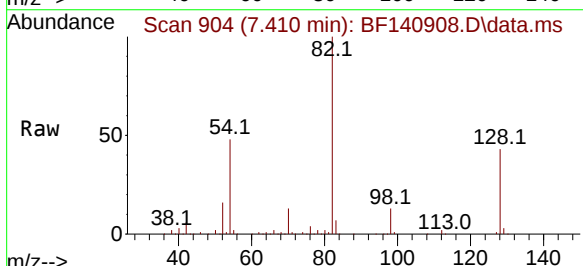
Tgt Ion: 82 Resp: 379070

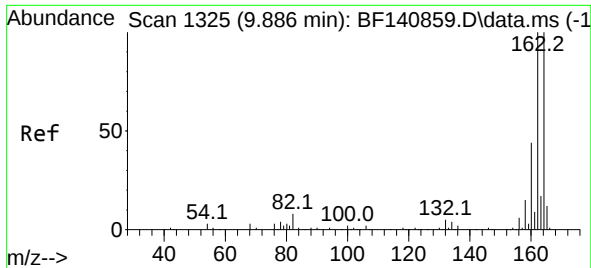
Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#

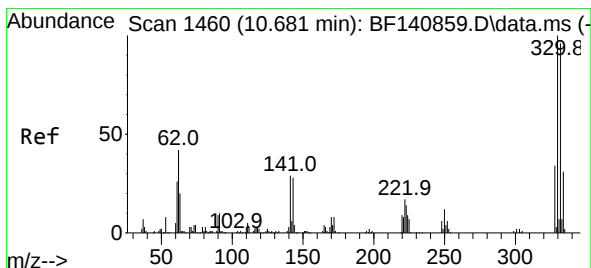
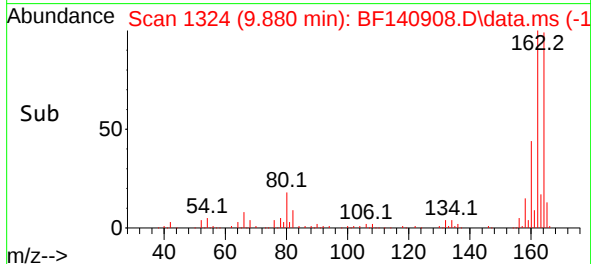
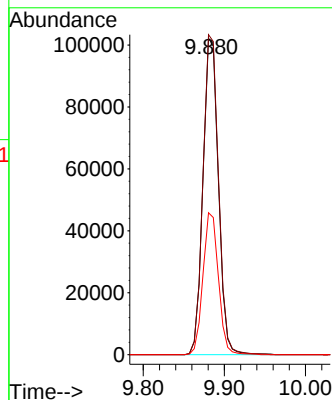
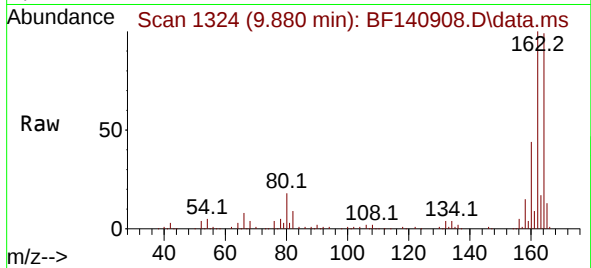




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

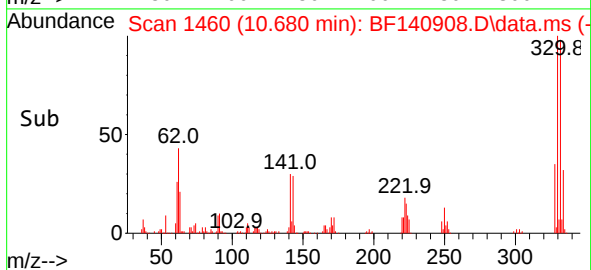
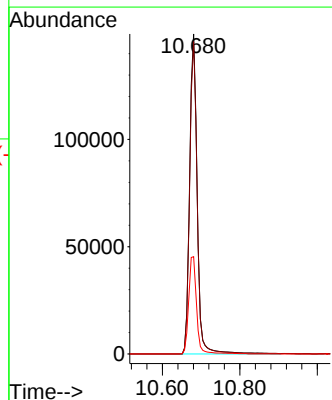
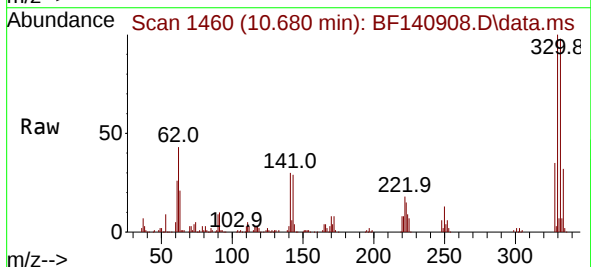
Instrument :
BNA_F
ClientSampleId :
COMP-1A

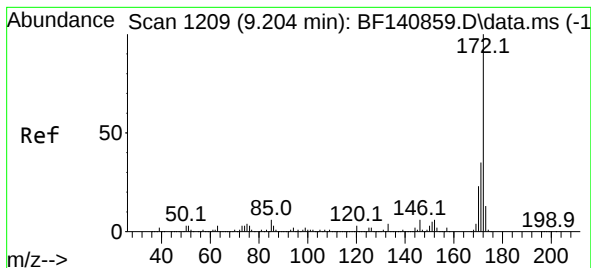
Tgt Ion:164 Resp: 134816
Ion Ratio Lower Upper
164 100
162 101.1 79.9 119.9
160 44.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 126.755 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

Tgt Ion:330 Resp: 202110
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 31.8 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 82.585 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

COMP-1A

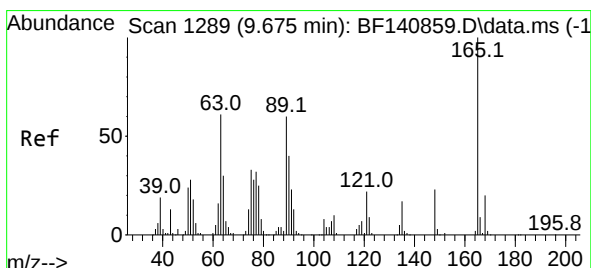
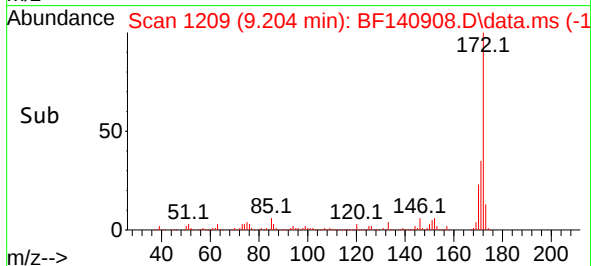
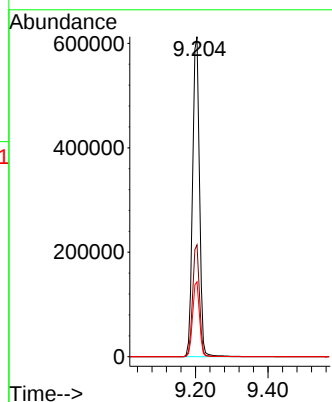
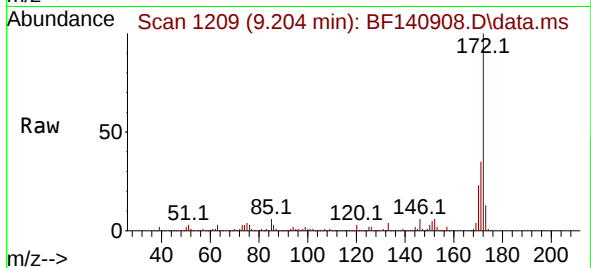
Tgt Ion:172 Resp: 809818

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.4 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 8.010 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.206 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

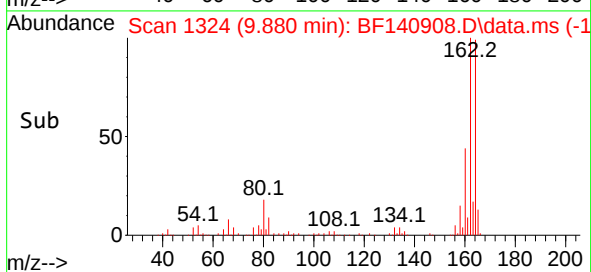
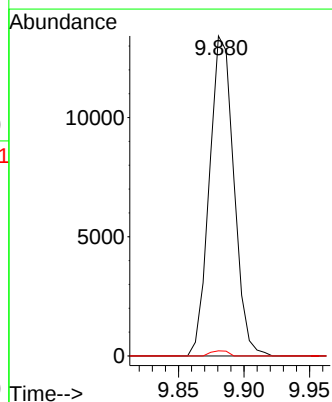
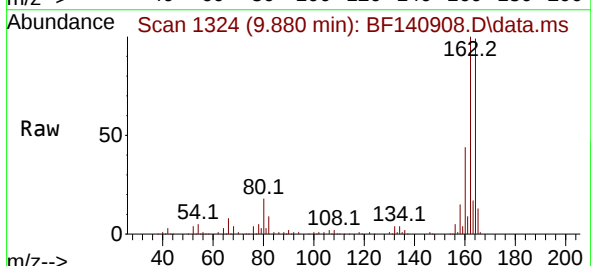
Tgt Ion:165 Resp: 17405

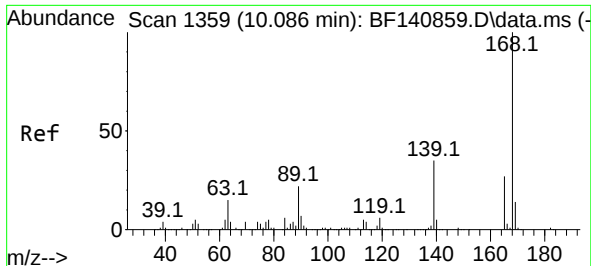
Ion Ratio Lower Upper

165 100

63 0.0 49.7 74.5#

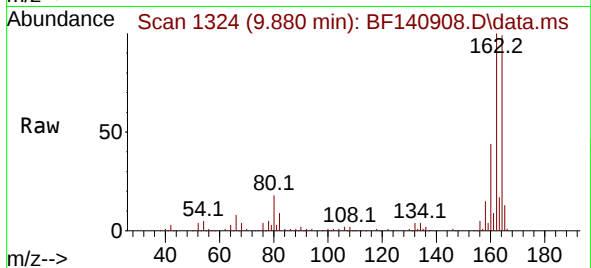
89 1.6 48.2 72.4#



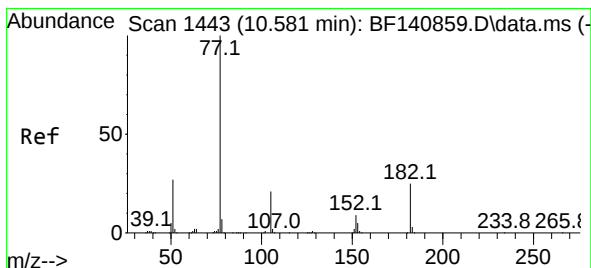
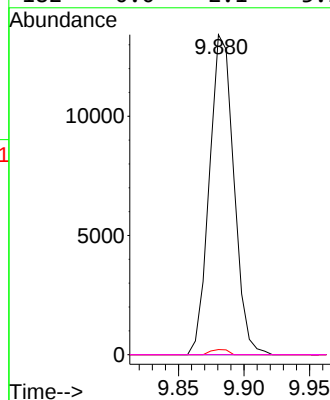
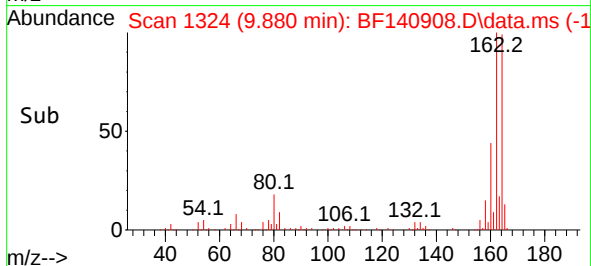


#57
2,4-Dinitrotoluene
Concen: 6.088 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

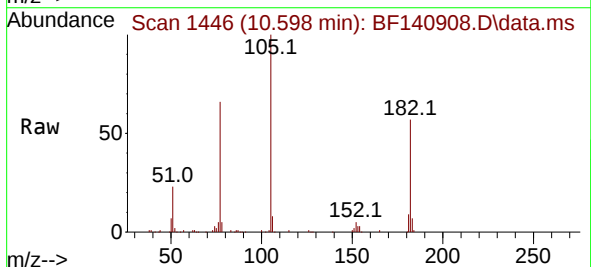
Instrument :
BNA_F
ClientSampleId :
COMP-1A



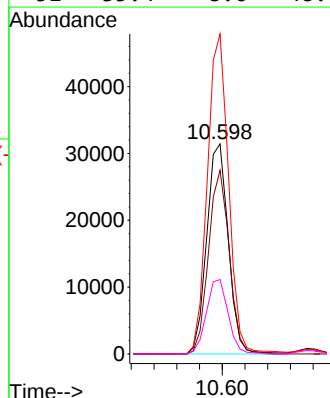
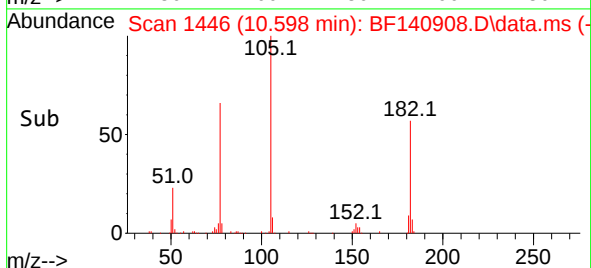
Tgt Ion:165 Resp: 17405
Ion Ratio Lower Upper
165 100
63 0.0 49.3 73.9#
89 1.6 66.2 99.4#
182 0.0 2.1 3.1#

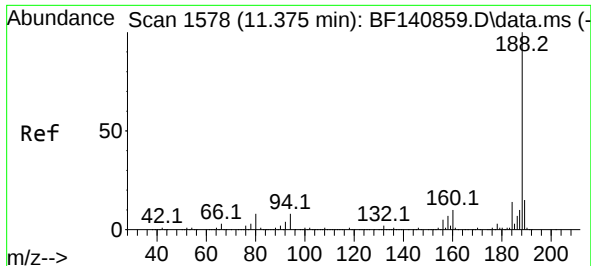


#63
Azobenzene
Concen: 4.472 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.018 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20



Tgt Ion: 77 Resp: 41441
Ion Ratio Lower Upper
77 100
182 87.4 4.5 44.5#
105 152.3 0.9 40.9#
51 35.4 8.6 48.6

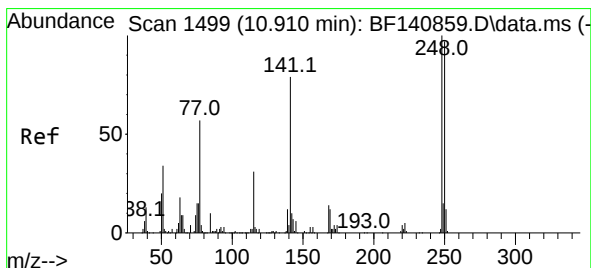
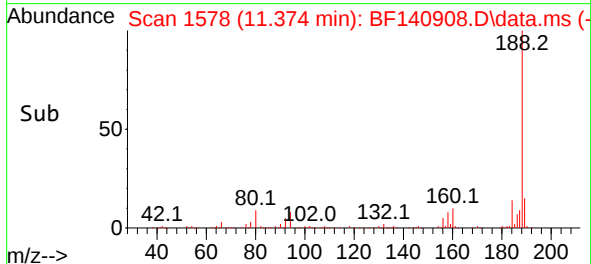
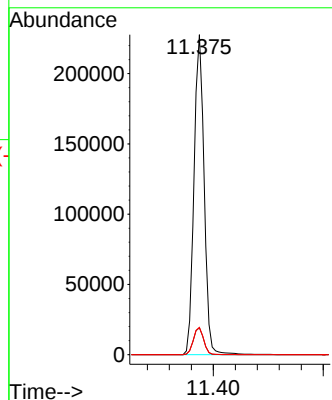
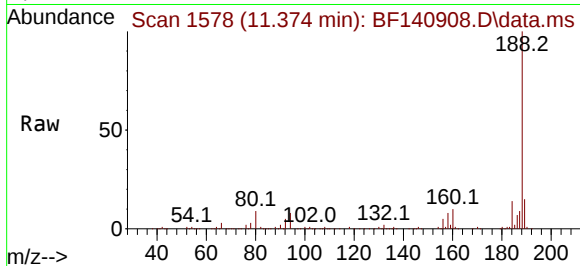




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

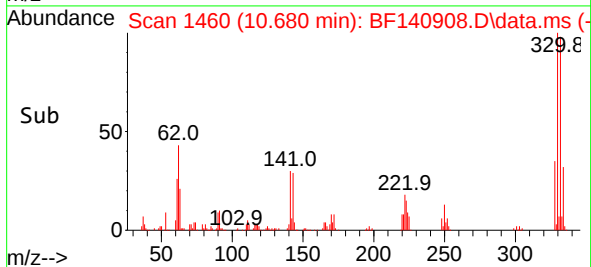
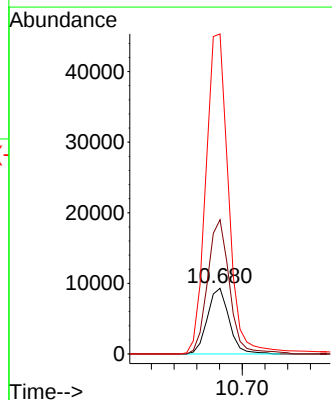
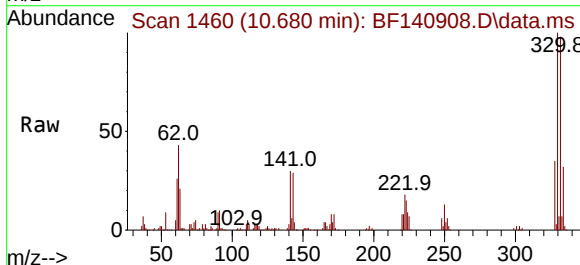
Instrument :
BNA_F
ClientSampleId :
COMP-1A

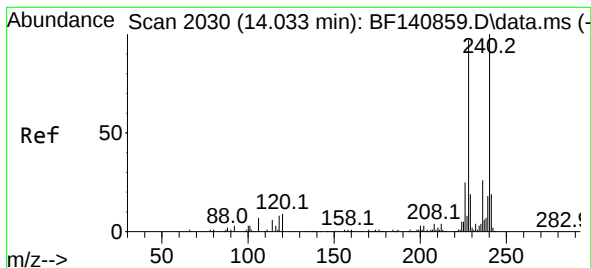
Tgt Ion:188 Resp: 289600
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.6 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.814 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.230 min
Lab File: BF140908.D
Acq: 18 Dec 2024 16:20

Tgt Ion:248 Resp: 12356
Ion Ratio Lower Upper
248 100
250 204.6 77.4 116.2#
141 487.4 62.9 94.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

COMP-1A

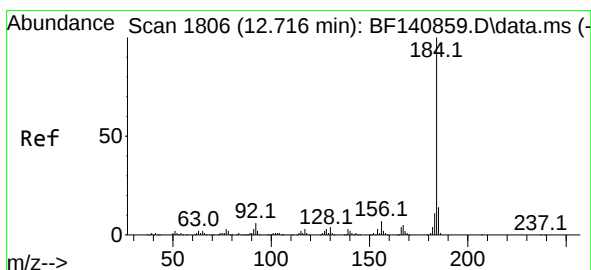
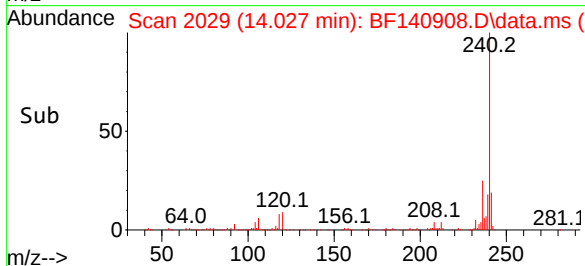
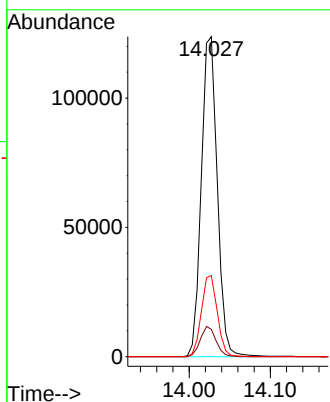
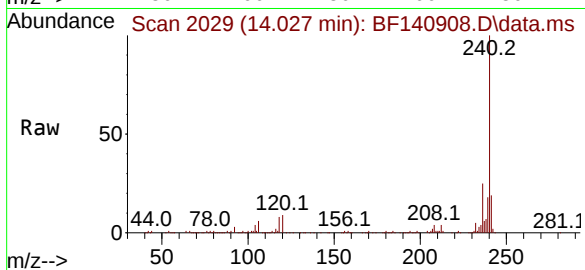
Tgt Ion:240 Resp: 168984

Ion Ratio Lower Upper

240 100

120 8.6 7.6 11.4

236 25.3 20.5 30.7



#77

Benzidine

Concen: 3.420 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF140908.D

Acq: 18 Dec 2024 16:20

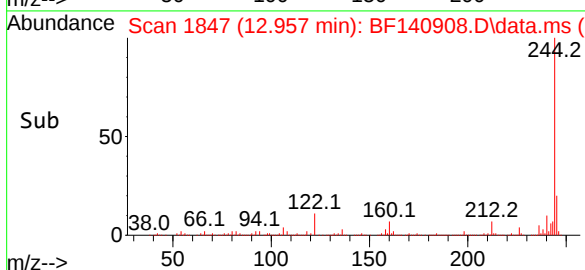
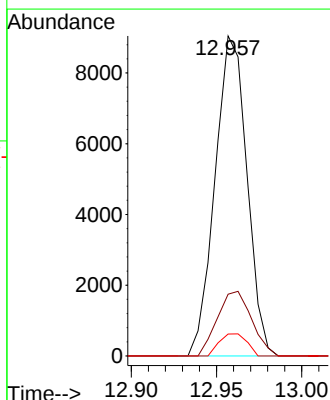
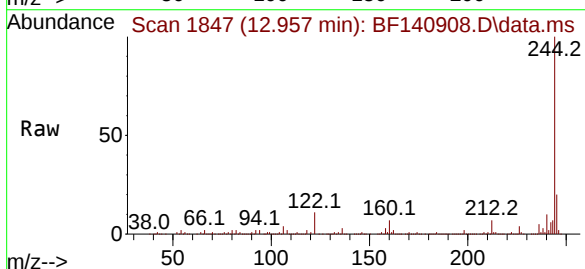
Tgt Ion:184 Resp: 11794

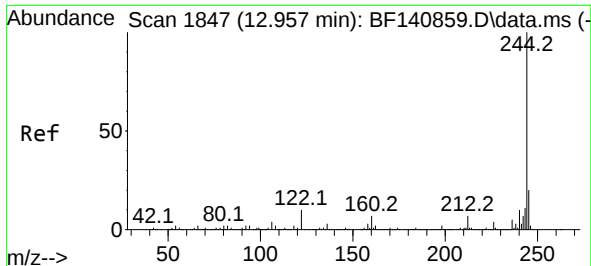
Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

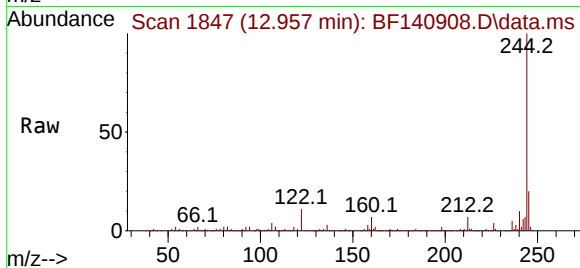
183 6.9 9.0 13.4#



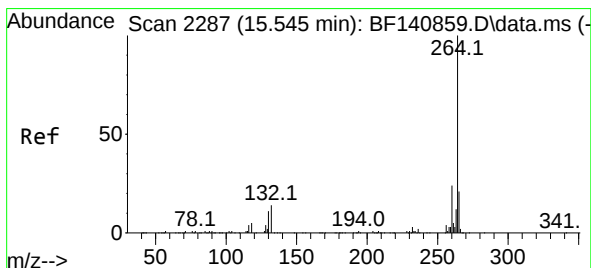
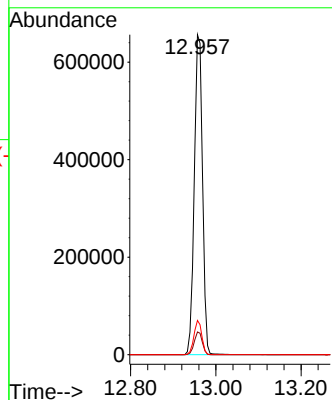
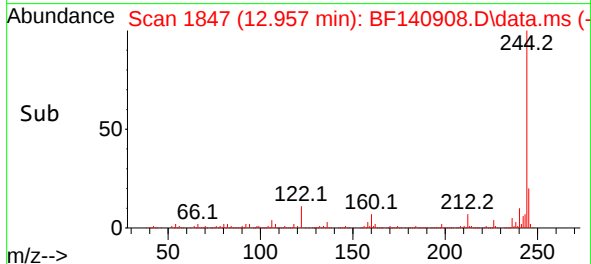


#79
 Terphenyl-d14
 Concen: 81.805 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140908.D
 Acq: 18 Dec 2024 16:20

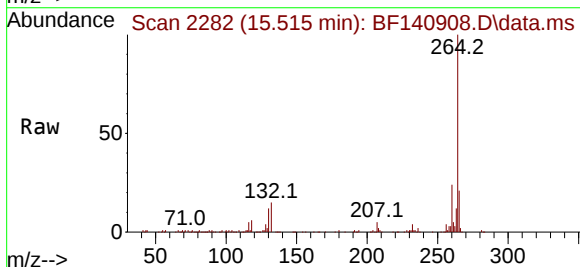
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1A



Tgt Ion:244 Resp: 876656
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 10.7 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2282
 Delta R.T. -0.030 min
 Lab File: BF140908.D
 Acq: 18 Dec 2024 16:20



Tgt Ion:264 Resp: 145909
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 20.7 17.0 25.4

