

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140766.D
 Acq On : 06 Dec 2024 15:06
 Operator : RC/JU
 Sample : P5093-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LL-001-FB-12-4-24

Quant Time: Dec 06 14:32:02 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)

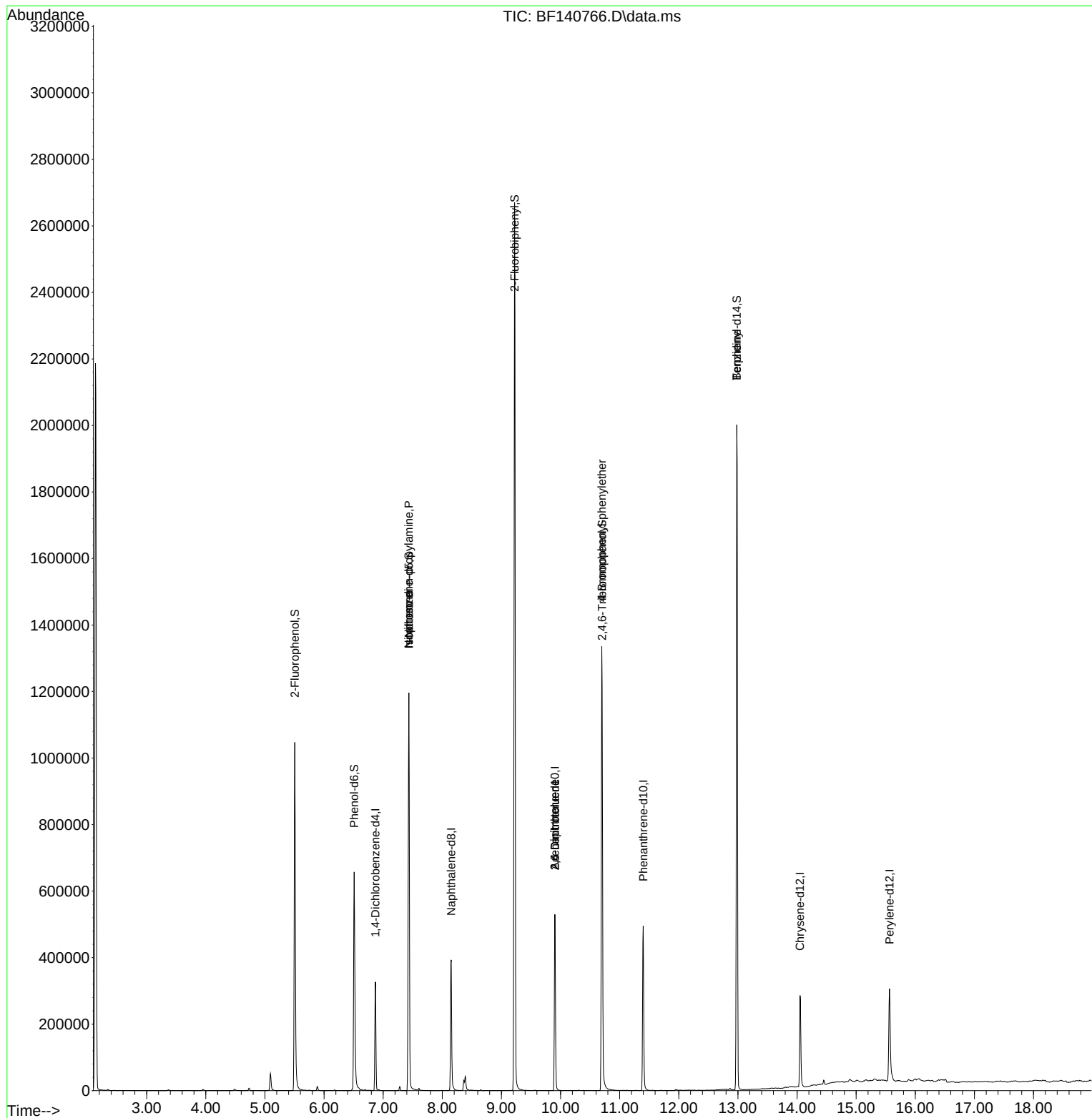
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	71328	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	277405	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	168241	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	294061	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155103	20.000	ng	0.00
86) Perylene-d12	15.563	264	186876	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	423527	101.310	ng	0.00
7) Phenol-d6	6.510	99	359357	65.022	ng	0.00
23) Nitrobenzene-d5	7.434	82	571386	105.357	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	255864	142.198	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1231975	109.104	ng	-0.01
79) Terphenyl-d14	12.980	244	1029680	103.373	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	76198	23.329	ng	# 75
25) Isophorone	7.434	82	565066	62.468	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	21638	8.611	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	21638	6.479	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	16172	5.340	ng	# 1
77) Benzidine	12.980	184	12873	2.855	ng	# 93

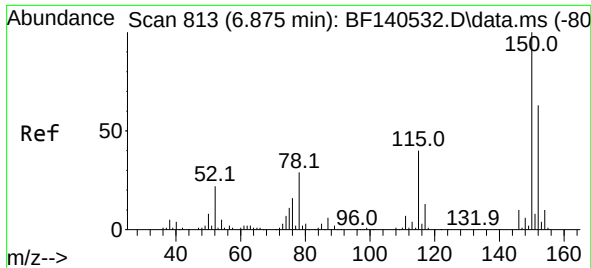
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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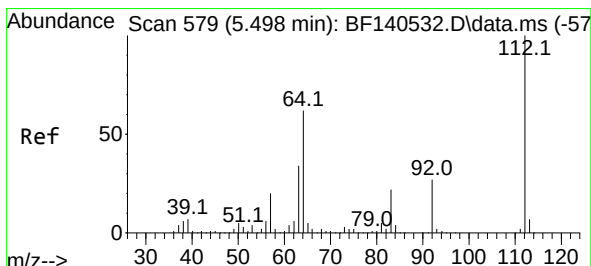
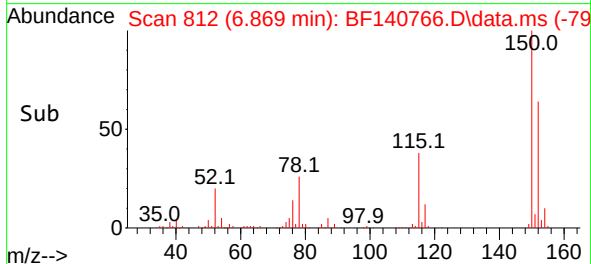
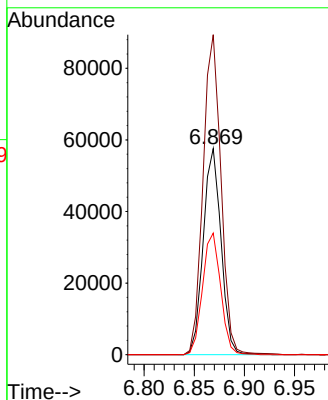
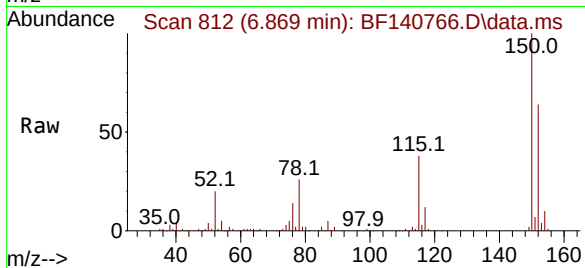




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

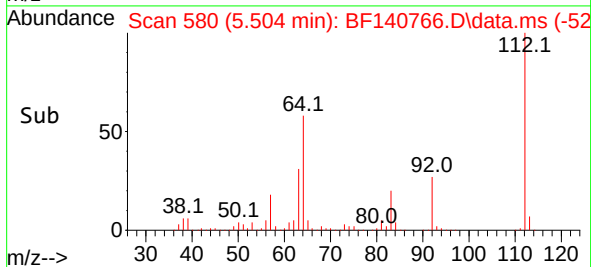
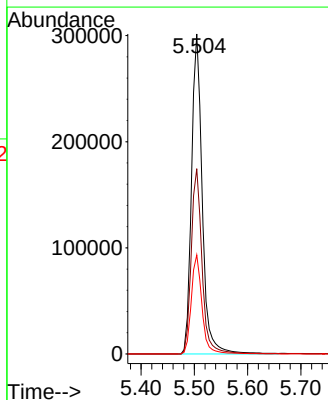
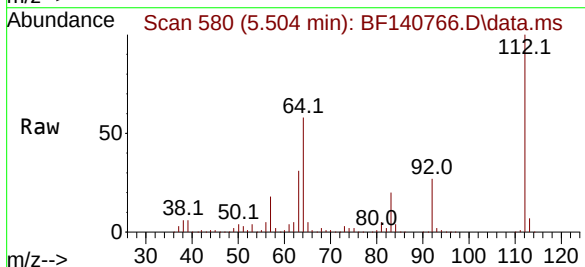
Instrument :
BNA_F
ClientSampleId :
LL-001-FB-12-4-24

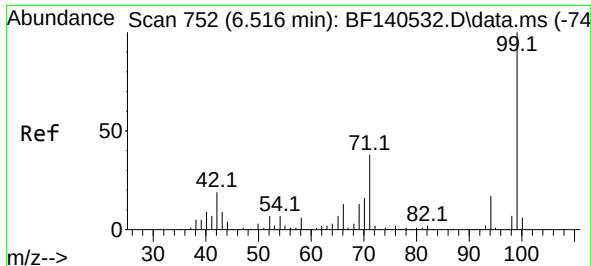
Tgt Ion:152 Resp: 71328
Ion Ratio Lower Upper
152 100
150 155.2 128.5 192.7
115 59.0 50.2 75.4



#5
2-Fluorophenol
Concen: 101.310 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

Tgt Ion:112 Resp: 423527
Ion Ratio Lower Upper
112 100
64 57.9 49.2 73.8
63 31.0 27.0 40.4





#7

Phenol-d6

Concen: 65.022 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

Instrument :

BNA_F

ClientSampleId :

LL-001-FB-12-4-24

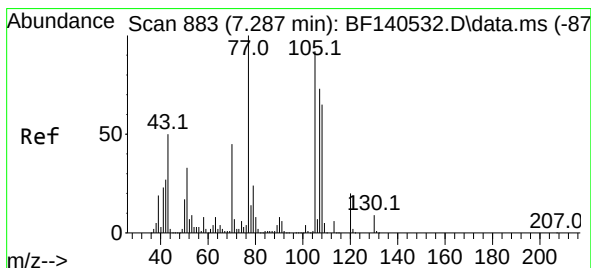
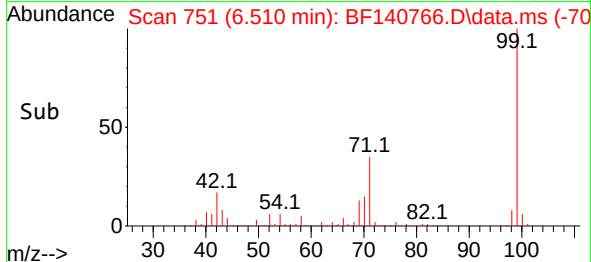
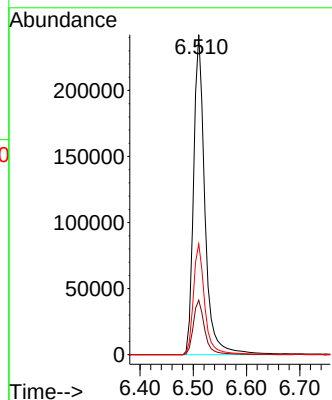
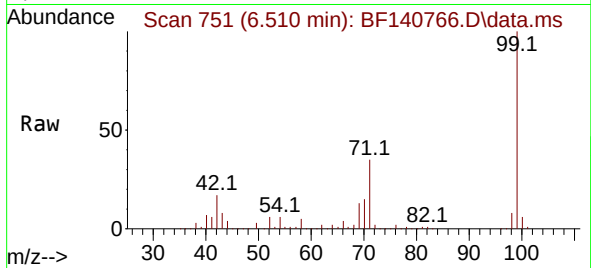
Tgt Ion: 99 Resp: 359357

Ion Ratio Lower Upper

99 100

42 17.0 15.4 23.0

71 34.6 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 23.329 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.147 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

Tgt Ion: 70 Resp: 76198

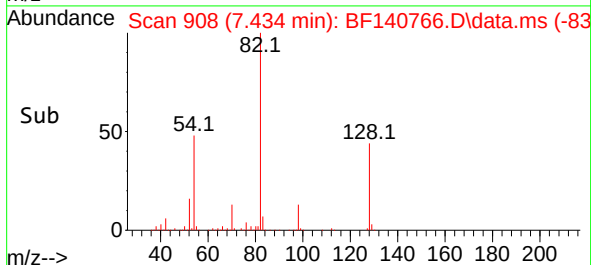
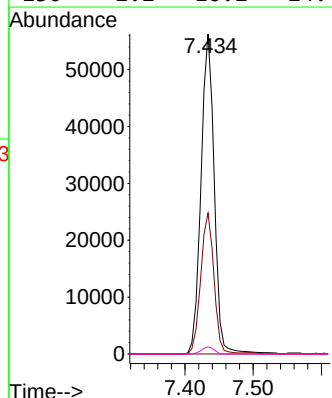
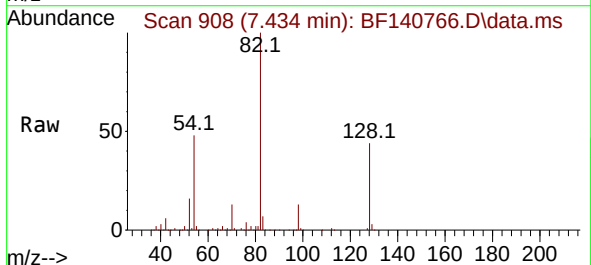
Ion Ratio Lower Upper

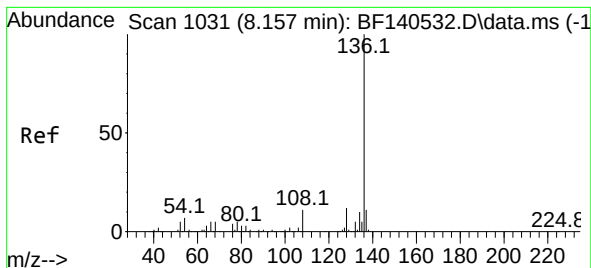
70 100

42 44.0 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: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

Instrument :

BNA_F

ClientSampleId :

LL-001-FB-12-4-24

Tgt Ion:136 Resp: 277405

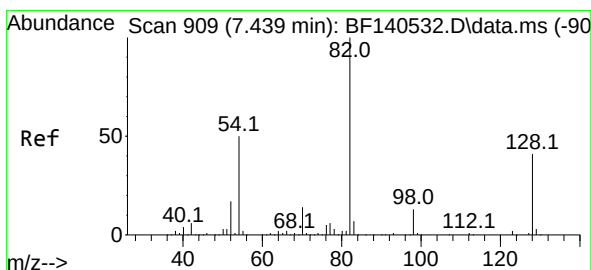
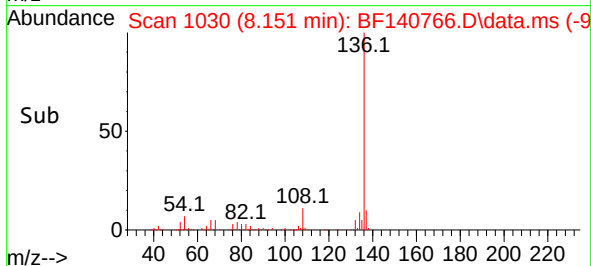
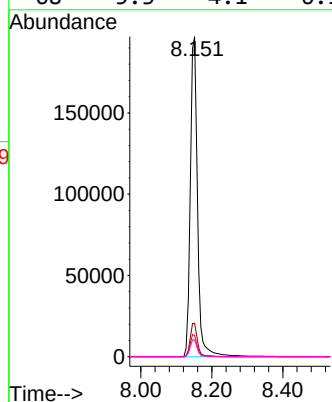
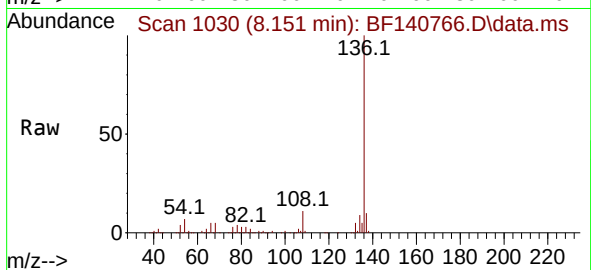
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 6.7 5.8 8.8

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 105.357 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

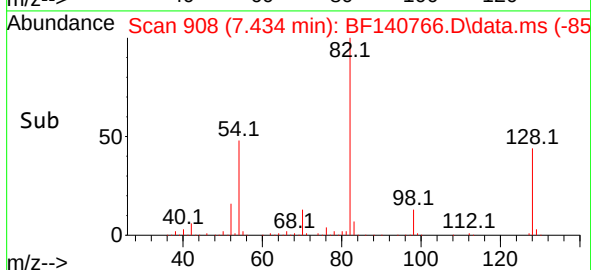
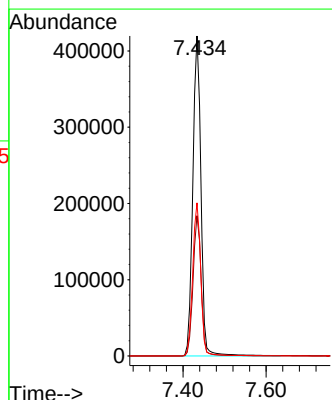
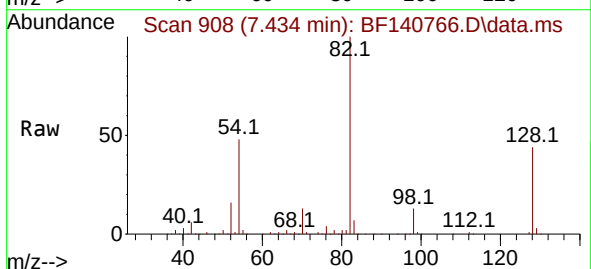
Tgt Ion: 82 Resp: 571386

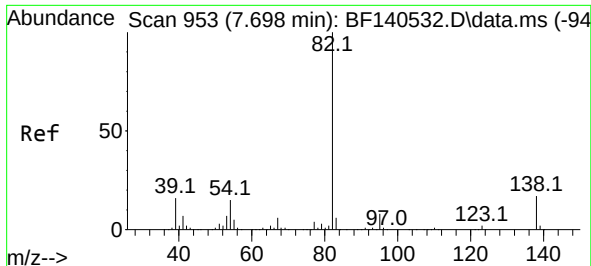
Ion Ratio Lower Upper

82 100

128 43.9 33.0 49.4

54 47.8 39.5 59.3

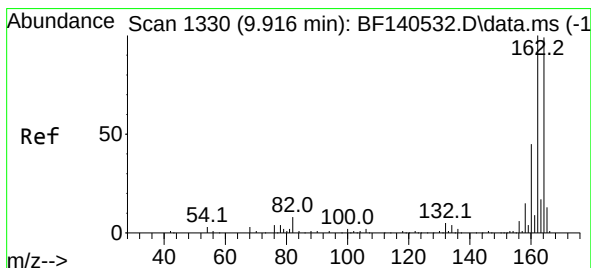
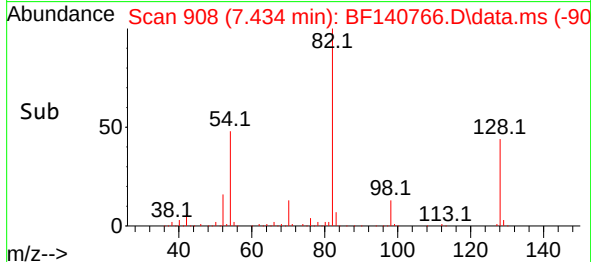
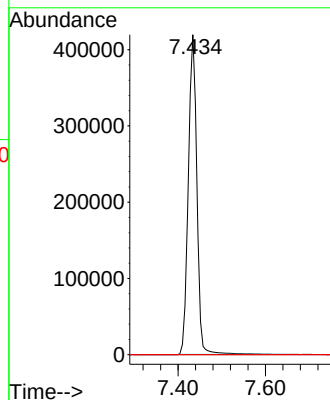
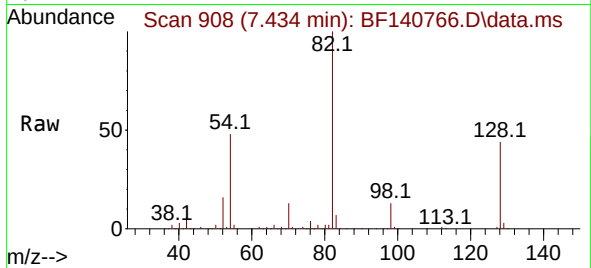




#25
Isophorone
Concen: 62.468 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

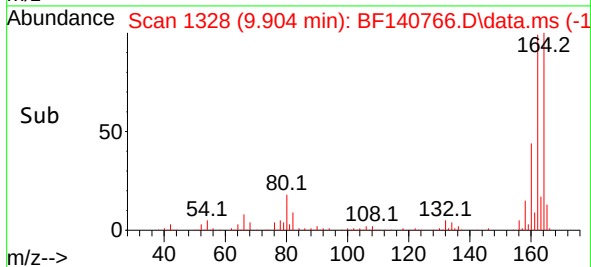
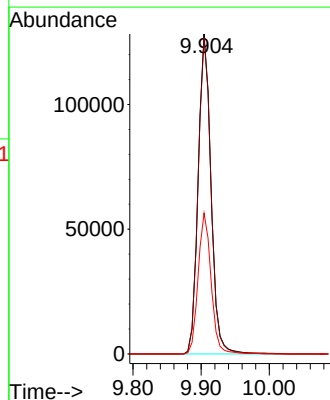
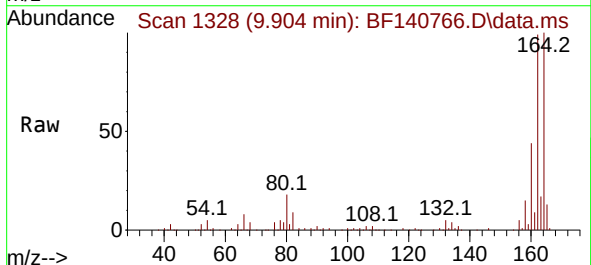
Instrument :
BNA_F
ClientSampleId :
LL-001-FB-12-4-24

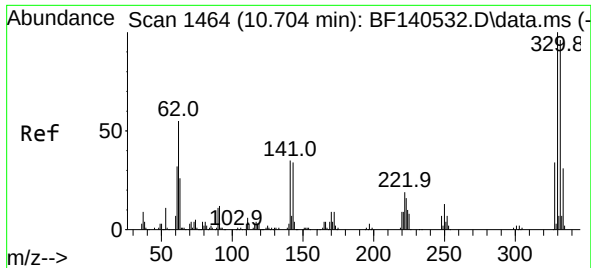
Tgt Ion: 82 Resp: 565066
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

Tgt Ion: 164 Resp: 168241
Ion Ratio Lower Upper
164 100
162 98.9 80.6 120.8
160 44.0 36.2 54.4

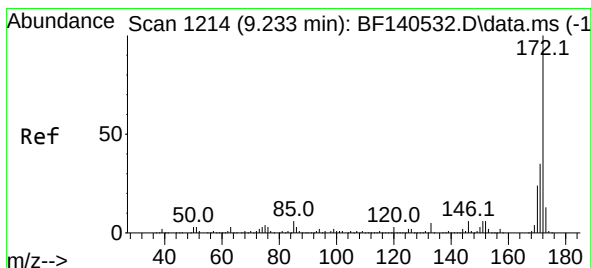
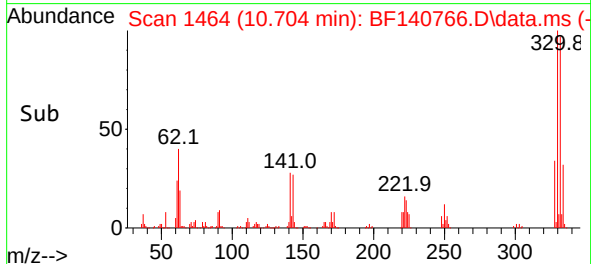
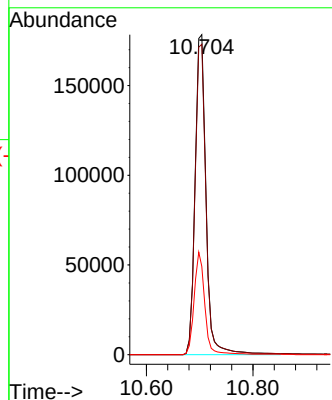
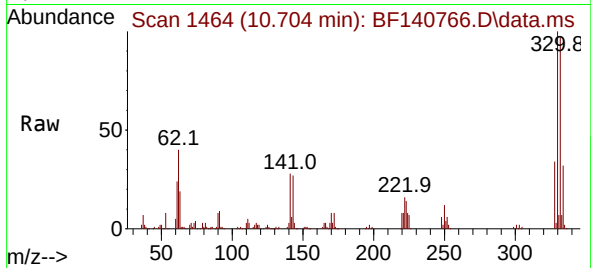




#42
 2,4,6-Tribromophenol
 Concen: 142.198 ng
 RT: 10.704 min Scan# 1464
 Delta R.T. 0.000 min
 Lab File: BF140766.D
 Acq: 06 Dec 2024 15:06

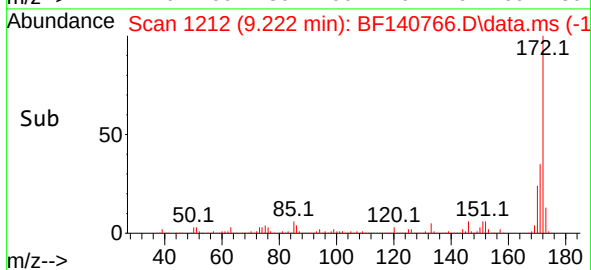
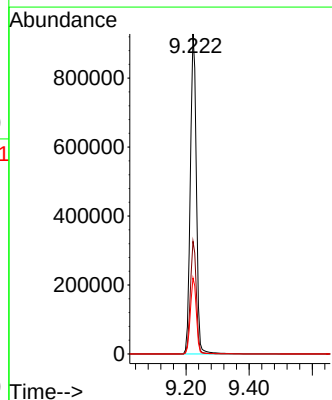
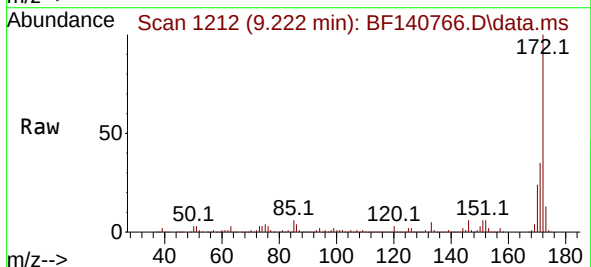
Instrument :
 BNA_F
 ClientSampleId :
 LL-001-FB-12-4-24

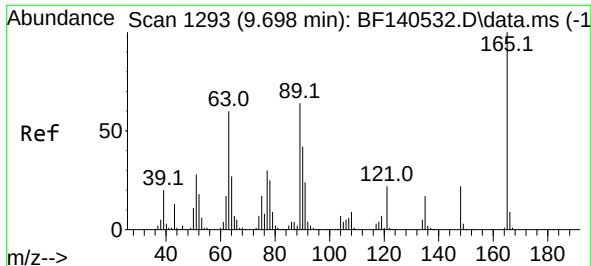
Tgt Ion: 330 Resp: 255864
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.9 115.3
 141 31.1 26.7 40.1



#45
 2-Fluorobiphenyl
 Concen: 109.104 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.012 min
 Lab File: BF140766.D
 Acq: 06 Dec 2024 15:06

Tgt Ion: 172 Resp: 1231975
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.4 42.6
 170 23.8 19.0 28.6

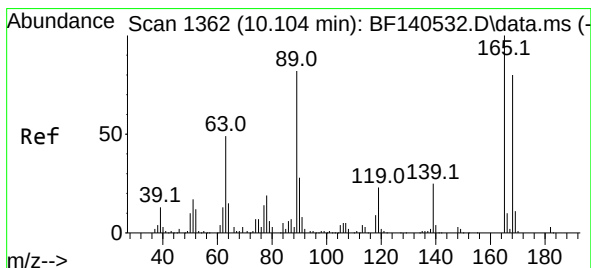
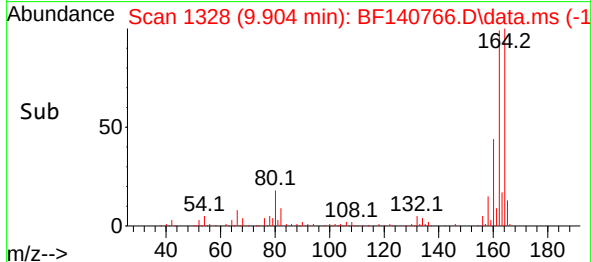
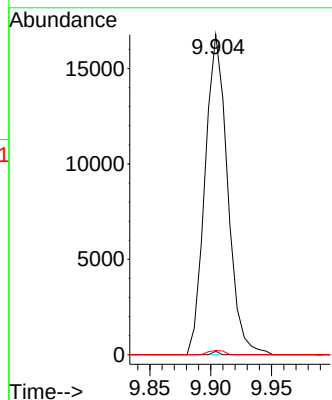
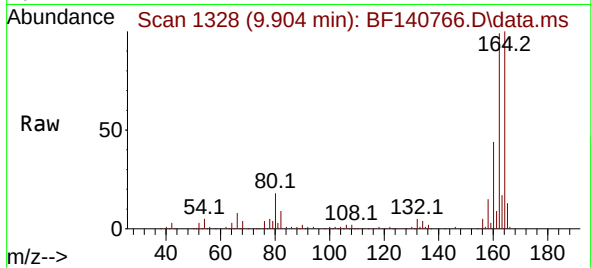




#51
2,6-Dinitrotoluene
Concen: 8.611 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

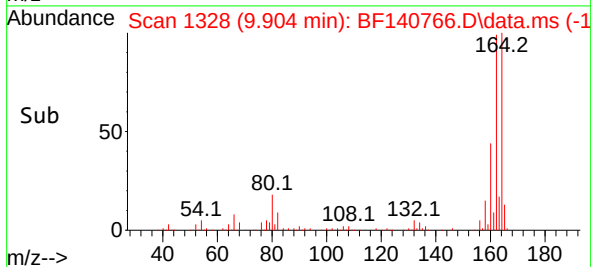
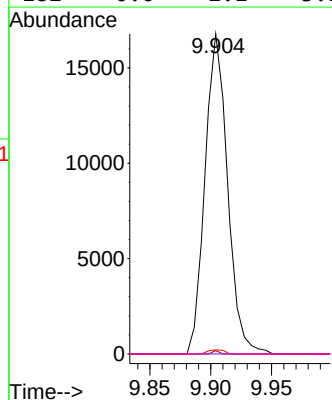
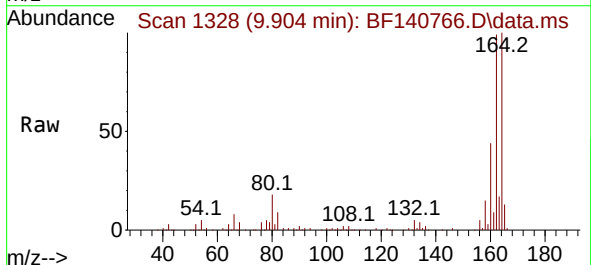
Instrument :
BNA_F
ClientSampleId :
LL-001-FB-12-4-24

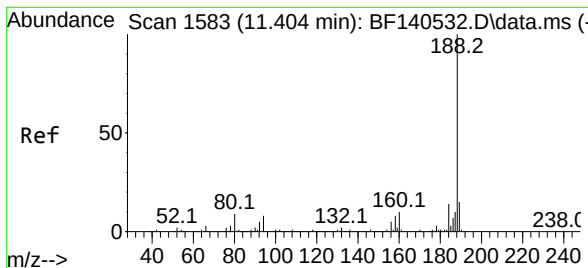
Tgt Ion:165 Resp: 21638
Ion Ratio Lower Upper
165 100
63 1.0 49.9 74.9#
89 1.3 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.479 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140766.D
Acq: 06 Dec 2024 15:06

Tgt Ion:165 Resp: 21638
Ion Ratio Lower Upper
165 100
63 1.0 41.7 62.5#
89 1.3 65.8 98.8#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

Instrument :

BNA_F

ClientSampleId :

LL-001-FB-12-4-24

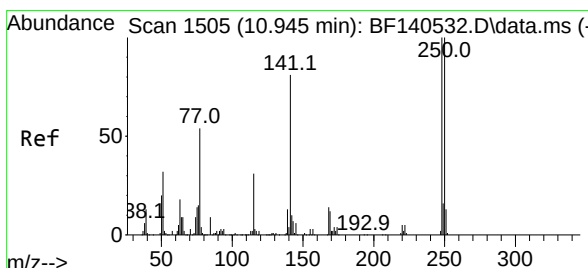
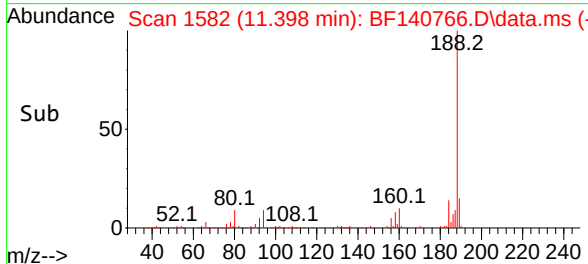
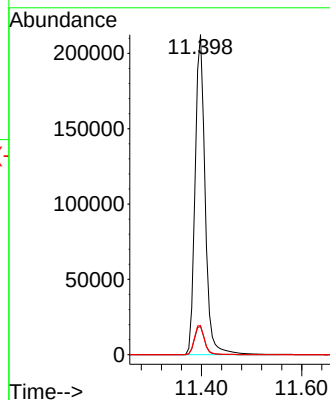
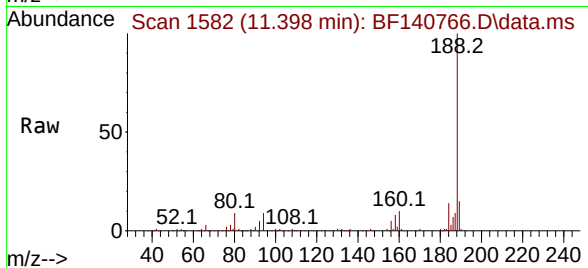
Tgt Ion:188 Resp: 294061

Ion Ratio Lower Upper

188 100

94 8.8 6.4 9.6

80 9.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.340 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

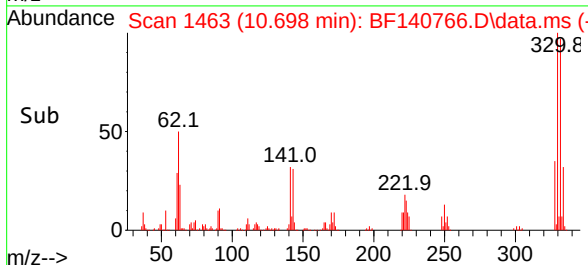
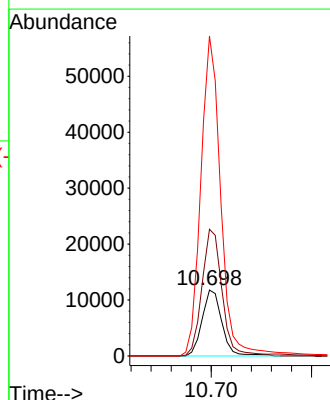
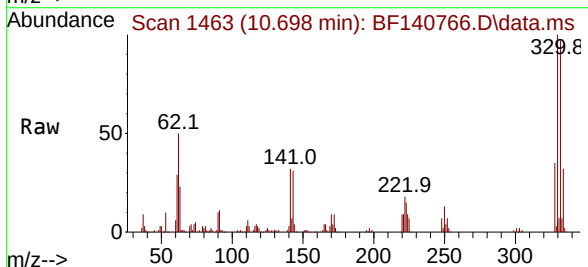
Tgt Ion:248 Resp: 16172

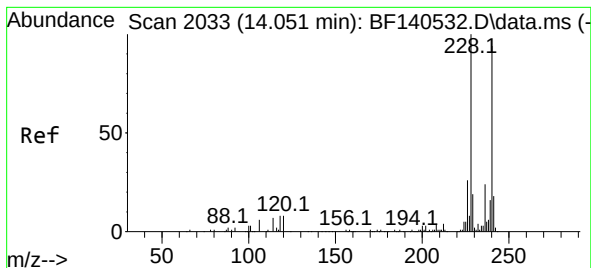
Ion Ratio Lower Upper

248 100

250 192.2 79.8 119.8#

141 485.2 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: BF140766.D

Acq: 06 Dec 2024 15:06

Instrument :

BNA_F

ClientSampleId :

LL-001-FB-12-4-24

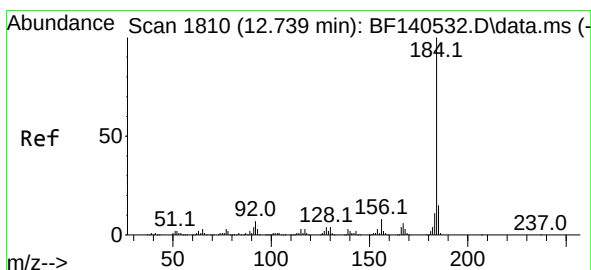
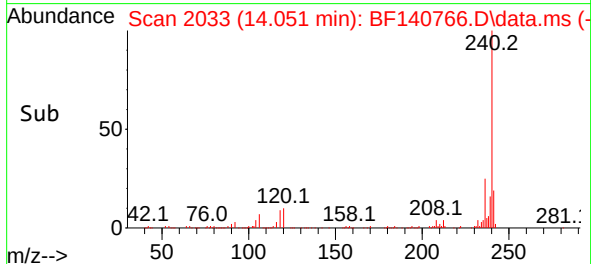
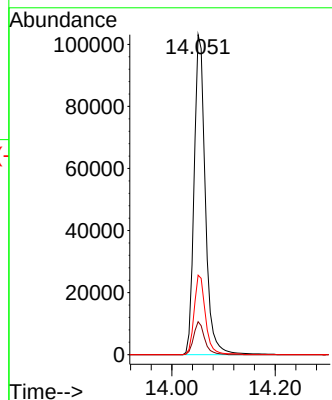
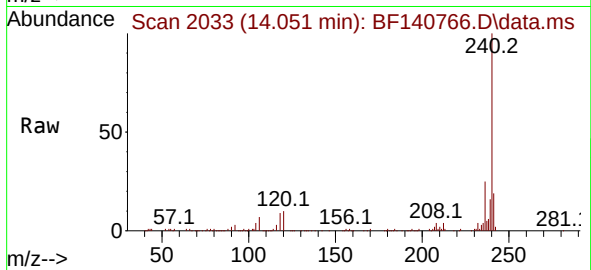
Tgt Ion:240 Resp: 155103

Ion Ratio Lower Upper

240 100

120 10.3 7.3 10.9

236 24.9 20.6 31.0



#77

Benzidine

Concen: 2.855 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.241 min

Lab File: BF140766.D

Acq: 06 Dec 2024 15:06

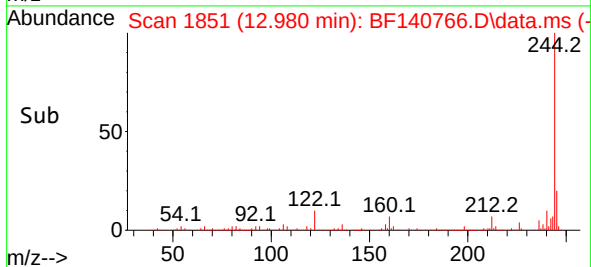
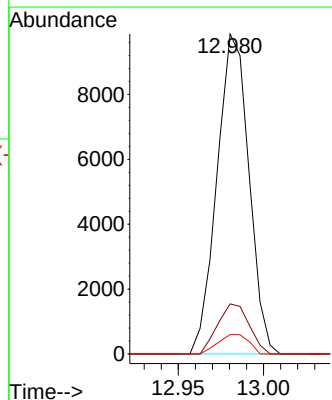
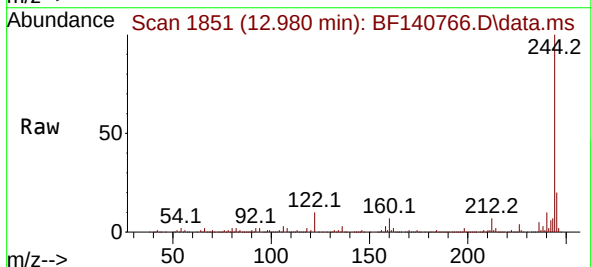
Tgt Ion:184 Resp: 12873

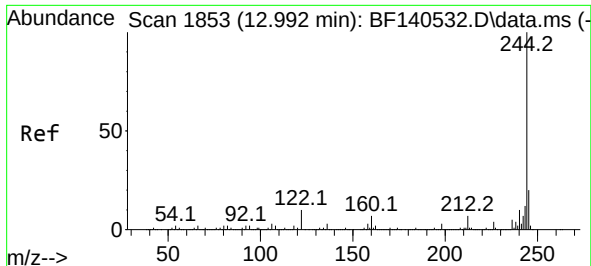
Ion Ratio Lower Upper

184 100

185 15.7 11.7 17.5

183 6.1 8.8 13.2#

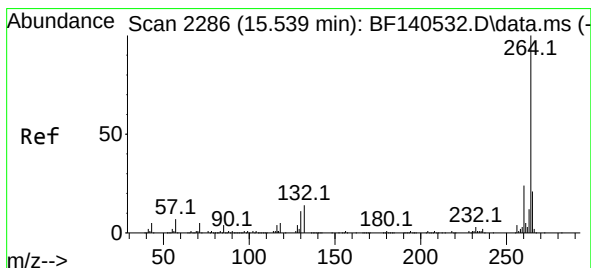
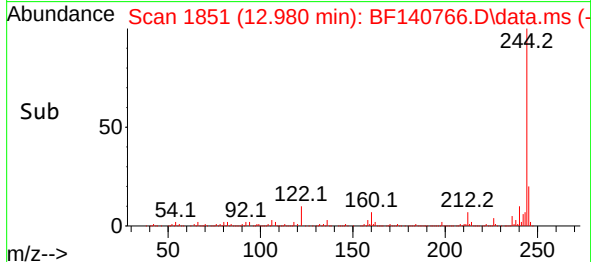
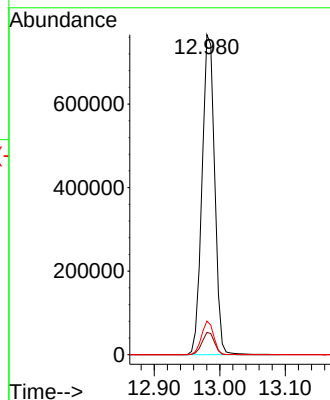
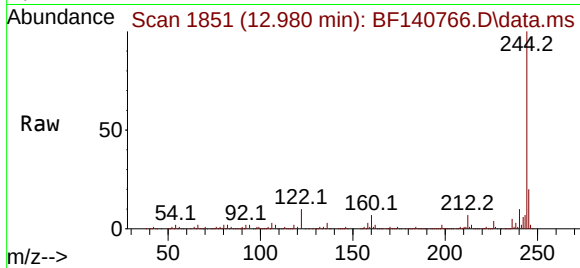




#79
 Terphenyl-d14
 Concen: 103.373 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140766.D
 Acq: 06 Dec 2024 15:06

Instrument :
 BNA_F
 ClientSampleId :
 LL-001-FB-12-4-24

Tgt Ion:244 Resp: 1029680
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.5 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2290
 Delta R.T. 0.024 min
 Lab File: BF140766.D
 Acq: 06 Dec 2024 15:06

Tgt Ion:264 Resp: 186876
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.6
 265 20.8 16.6 25.0

