

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
 Data File : BF138221.D
 Acq On : 18 Jun 2024 13:32
 Operator : CG\JU
 Sample : P2924-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-CONC

Quant Time: Jun 18 13:55:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

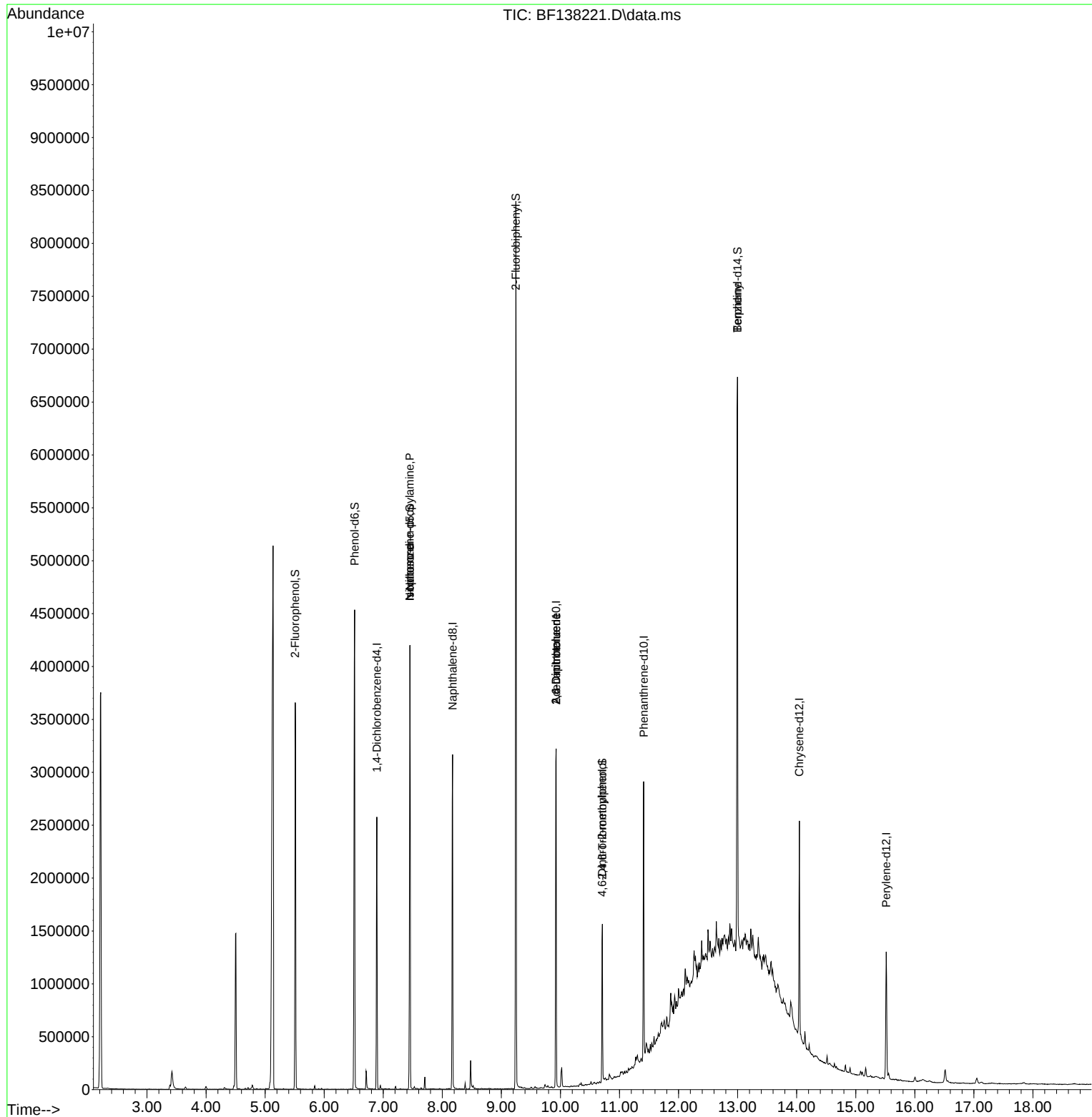
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	352708	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1348628	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	684699	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	913927	20.000	ng	0.00
76) Chrysene-d12	14.045	240	643454	20.000	ng	0.00
86) Perylene-d12	15.515	264	560719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1016068	48.190	ng	0.00
7) Phenol-d6	6.516	99	1648366	61.653	ng	0.00
23) Nitrobenzene-d5	7.451	82	1312010	56.636	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	180896	26.539	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2492939	57.896	ng	0.00
79) Terphenyl-d14	12.998	244	1970508	48.503	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	175904	11.100	ng	# 77
25) Isophorone	7.451	82	1305746	31.162	ng	# 62
51) 2,6-Dinitrotoluene	9.927	165	87952	9.664	ng	# 25
57) 2,4-Dinitrotoluene	9.927	165	87952	7.835	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	358	7.000	ng	# 1
77) Benzidine	12.998	184	25791	3.465	ng	95

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

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Quant Time: Jun 18 13:55:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

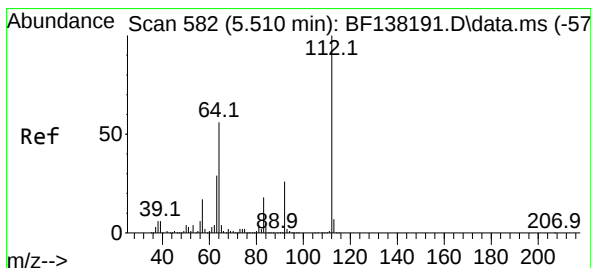
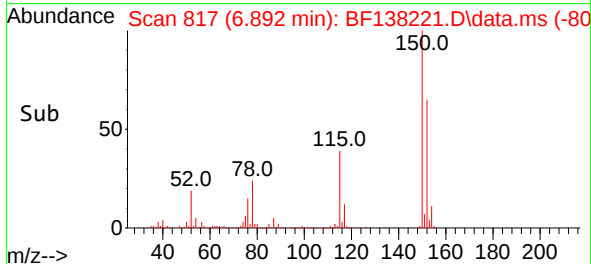
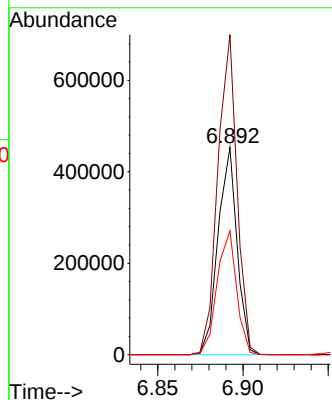
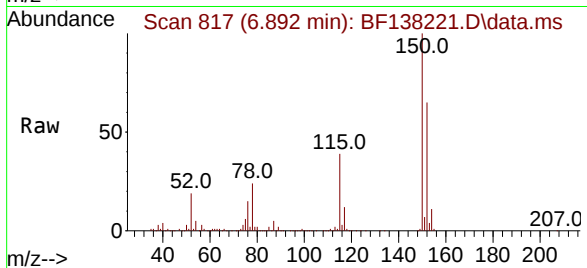




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

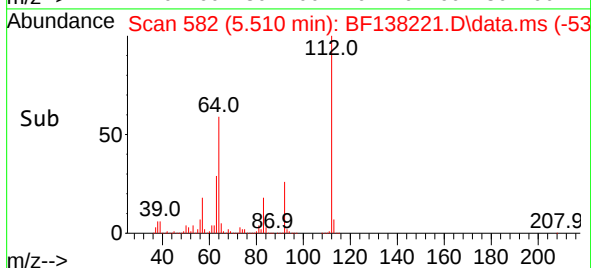
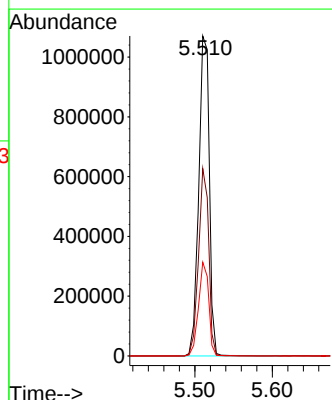
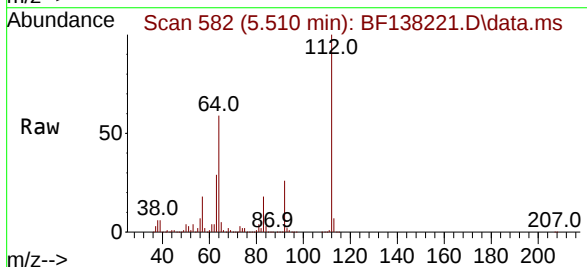
Instrument :
BNA_F
ClientSampleId :
CLEAN-CONC

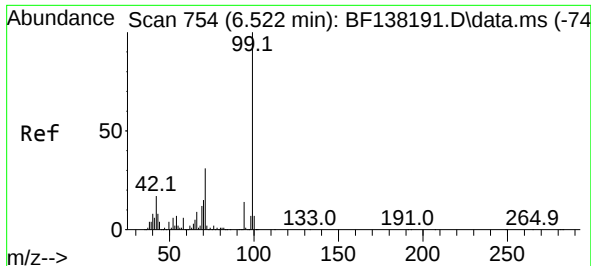
Tgt Ion:152 Resp: 352708
Ion Ratio Lower Upper
152 100
150 154.5 125.0 187.4
115 59.8 48.4 72.6



#5
2-Fluorophenol
Concen: 48.190 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

Tgt Ion:112 Resp: 1016068
Ion Ratio Lower Upper
112 100
64 58.5 45.2 67.8
63 29.3 22.9 34.3





#7

Phenol-d6

Concen: 61.653 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138221.D

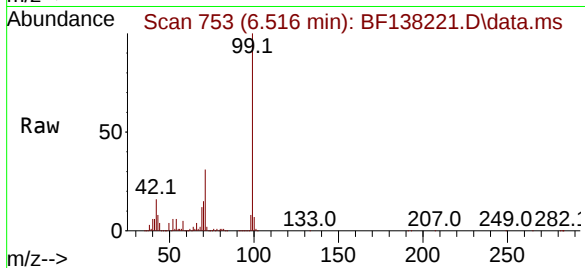
Acq: 18 Jun 2024 13:32

Instrument :

BNA_F

ClientSampleId :

CLEAN-CONC



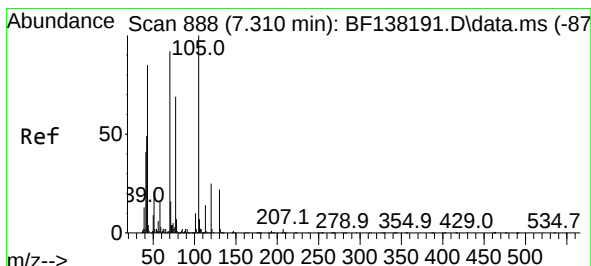
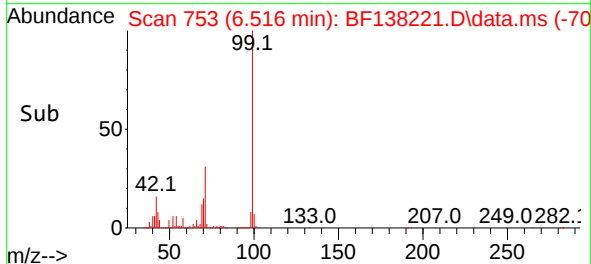
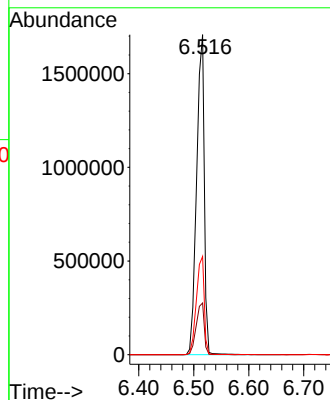
Tgt Ion: 99 Resp: 1648366

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

71 30.7 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.100 ng

RT: 7.451 min Scan# 912

Delta R.T. 0.141 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

Tgt Ion: 70 Resp: 175904

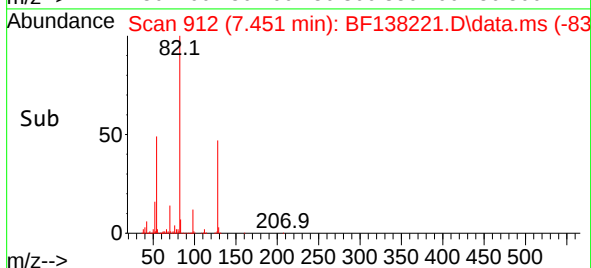
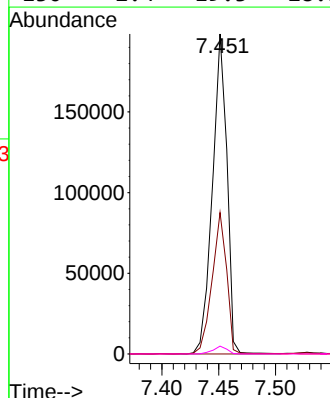
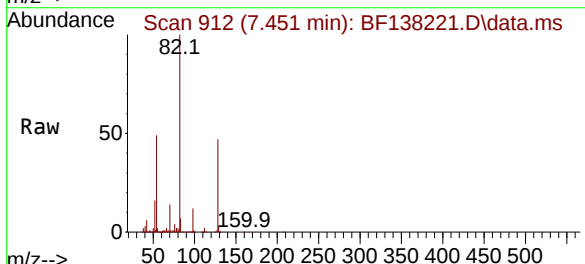
Ion Ratio Lower Upper

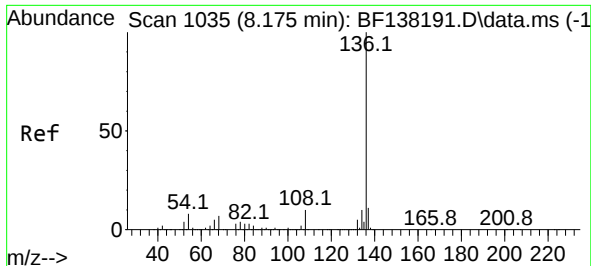
70 100

42 44.2 42.8 64.2

101 0.0 8.4 12.6#

130 2.4 19.3 28.9#

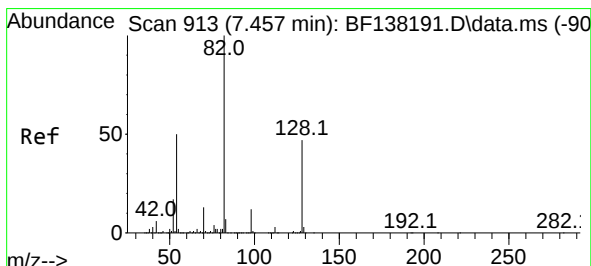
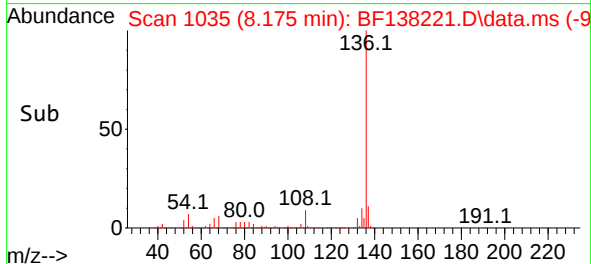
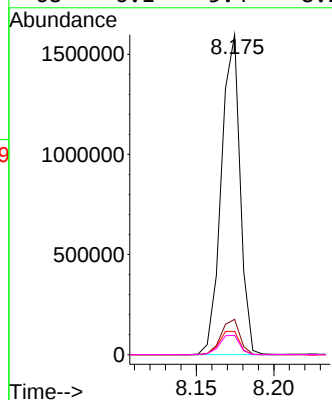
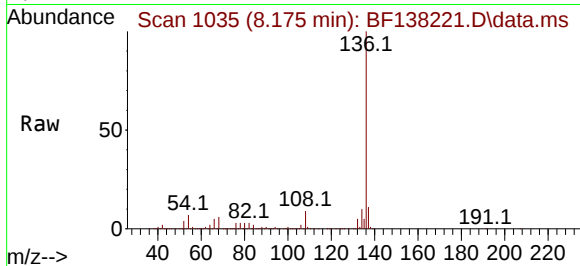




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

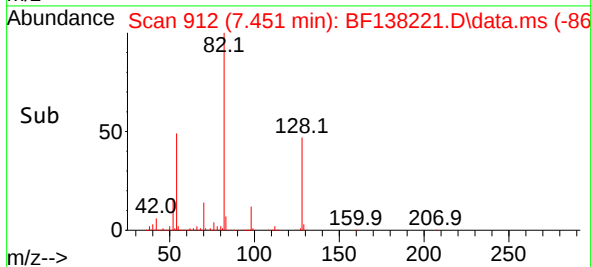
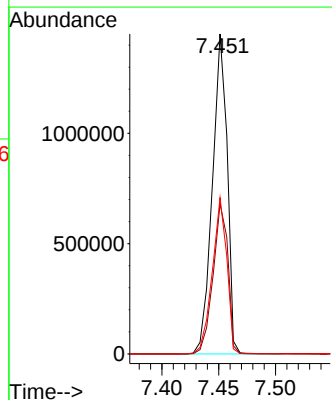
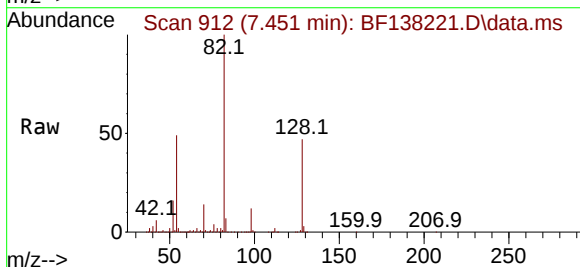
Instrument :
BNA_F
ClientSampleId :
CLEAN-CONC

Tgt Ion:136 Resp: 1348628
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.3 6.6 10.0
68 6.1 5.4 8.2



#23
Nitrobenzene-d5
Concen: 56.636 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

Tgt Ion: 82 Resp: 1312010
Ion Ratio Lower Upper
82 100
128 47.0 37.2 55.8
54 48.9 39.8 59.6

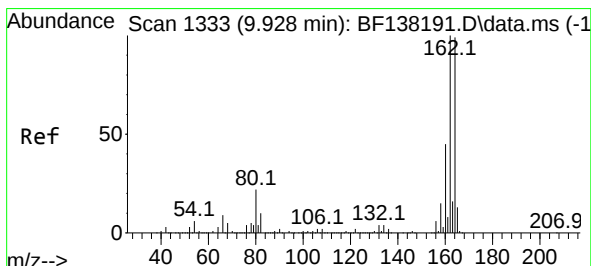
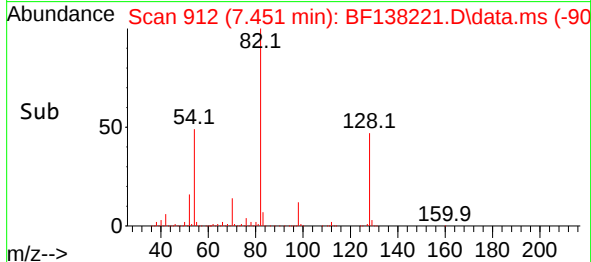
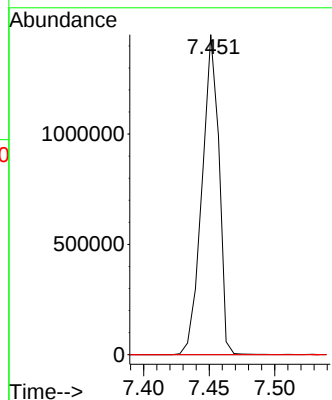
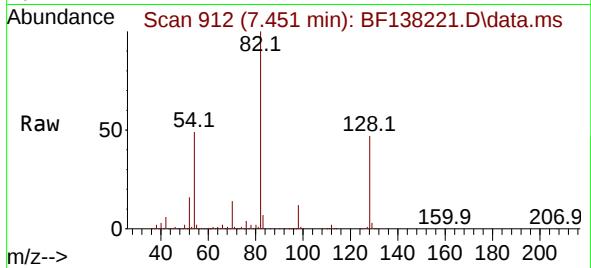




#25
Isophorone
Concen: 31.162 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

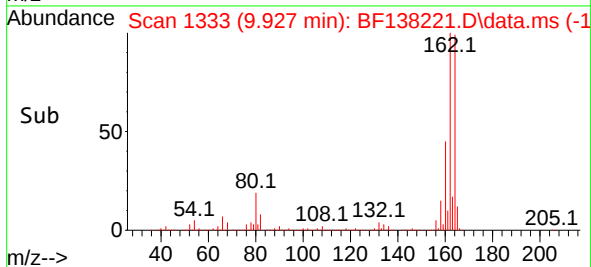
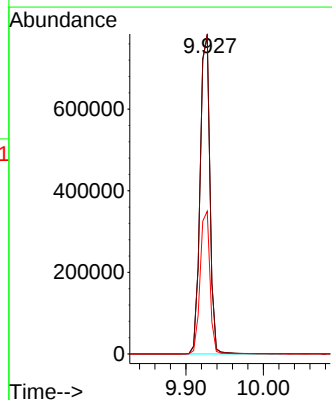
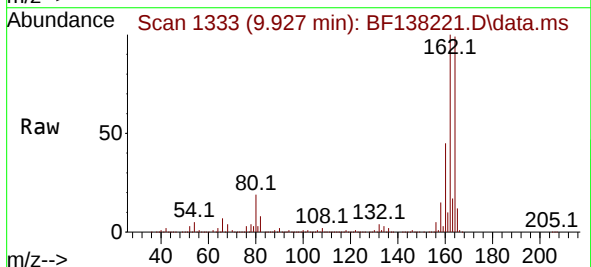
Instrument :
BNA_F
ClientSampleId :
CLEAN-CONC

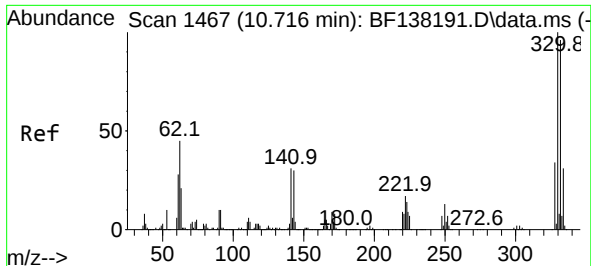
Tgt Ion: 82 Resp: 1305746
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

Tgt Ion: 164 Resp: 684699
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 45.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 26.539 ng

RT: 10.710 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

Instrument :

BNA_F

ClientSampleId :

CLEAN-CONC

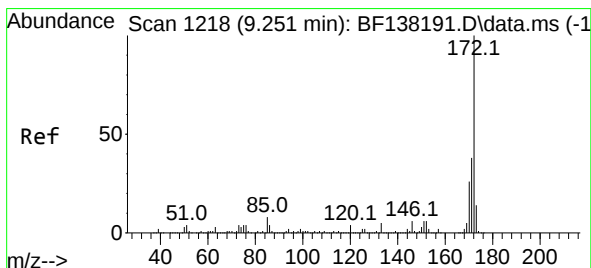
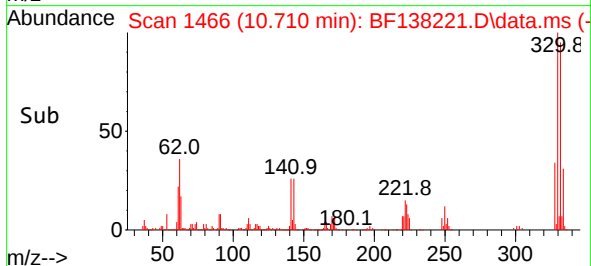
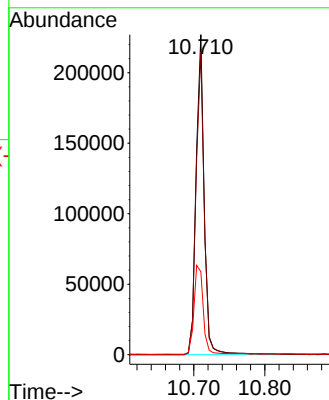
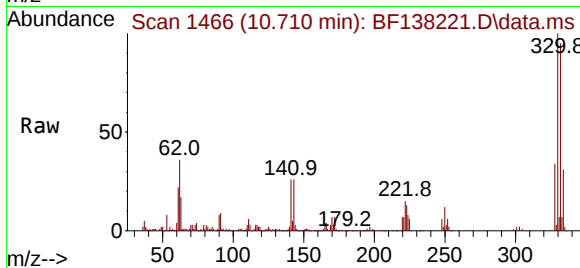
Tgt Ion:330 Resp: 180896

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 31.4 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 57.896 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

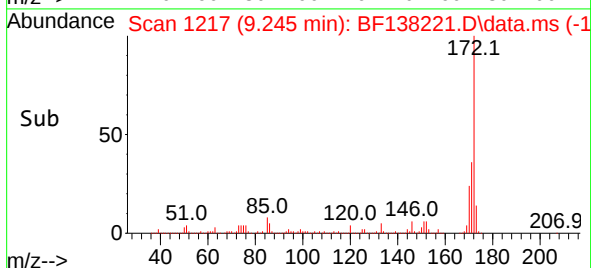
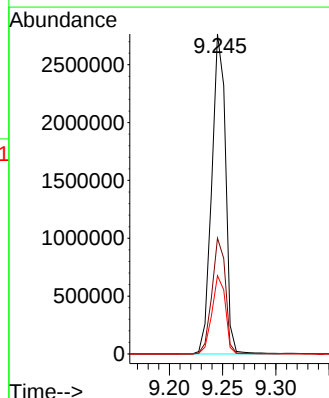
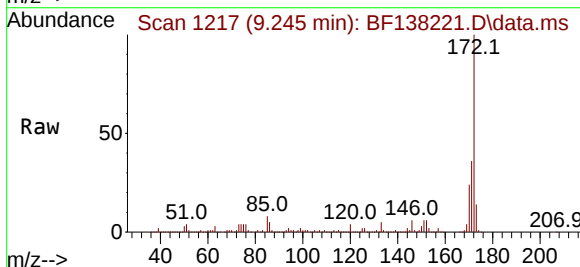
Tgt Ion:172 Resp: 2492939

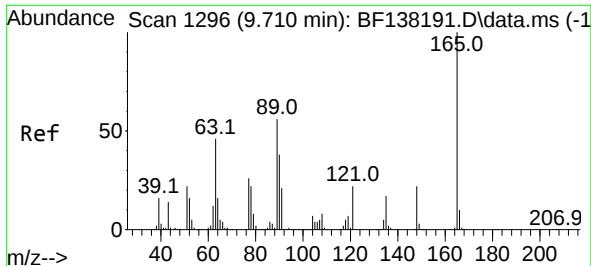
Ion Ratio Lower Upper

172 100

171 36.2 30.3 45.5

170 24.5 20.6 30.8

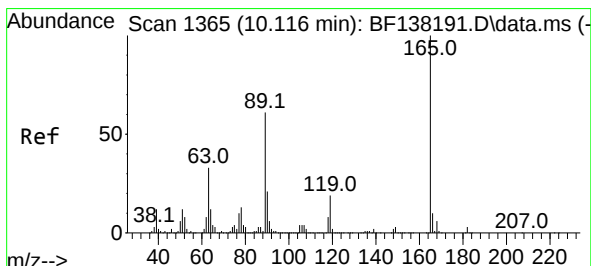
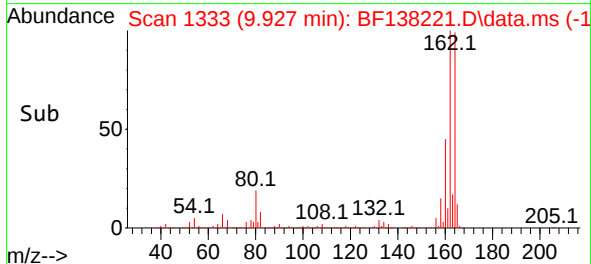
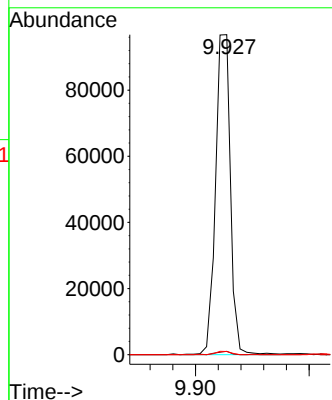
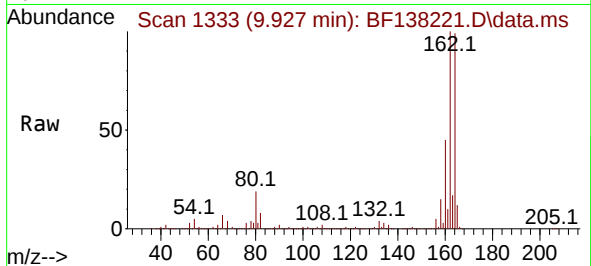




#51
2,6-Dinitrotoluene
Concen: 9.664 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.217 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

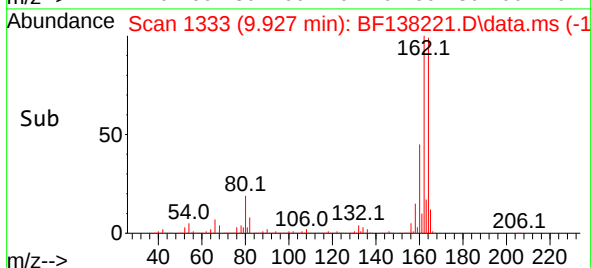
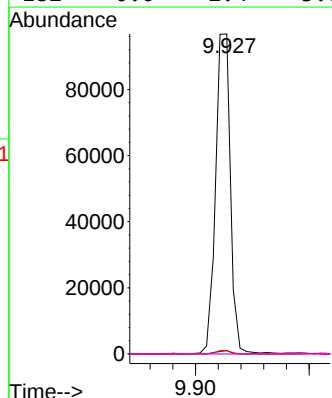
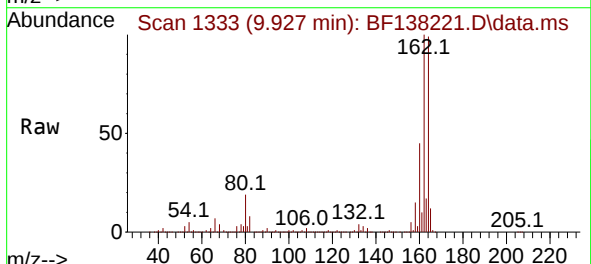
Instrument :
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CLEAN-CONC

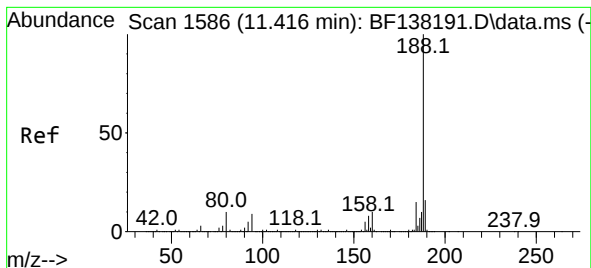
Tgt Ion:165 Resp: 87952
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.835 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.188 min
Lab File: BF138221.D
Acq: 18 Jun 2024 13:32

Tgt Ion:165 Resp: 87952
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.0 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

Instrument :

BNA_F

ClientSampleId :

CLEAN-CONC

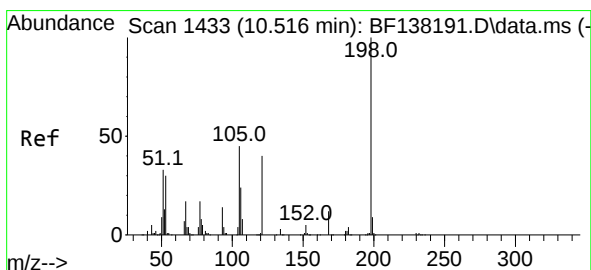
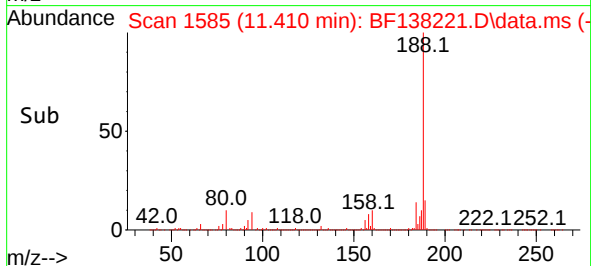
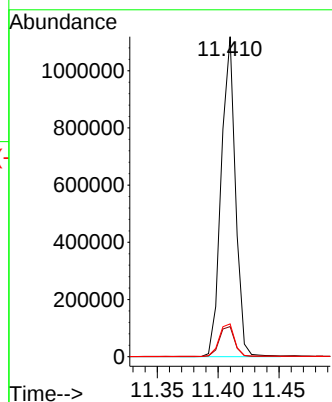
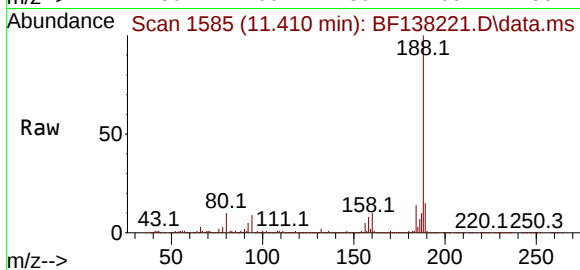
Tgt Ion:188 Resp: 913927

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 10.3 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.000 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

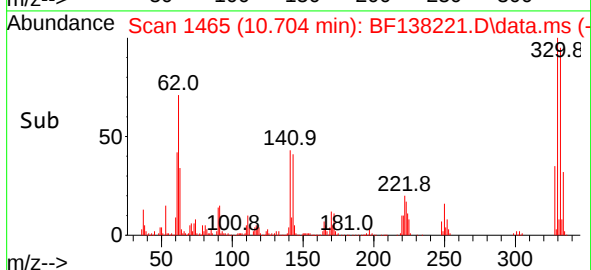
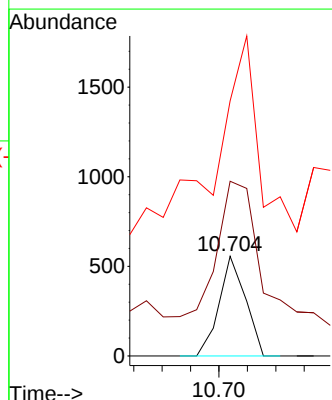
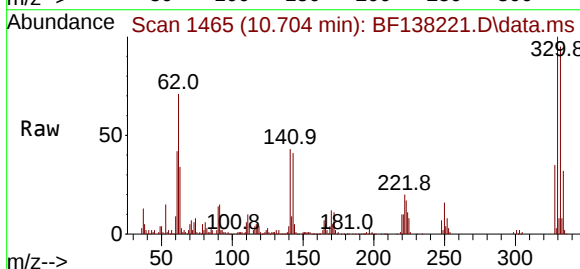
Tgt Ion:198 Resp: 358

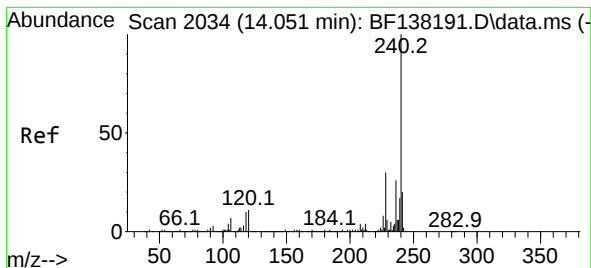
Ion Ratio Lower Upper

198 100

51 175.4 26.9 66.9#

105 255.9 26.0 66.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

Instrument :

BNA_F

ClientSampleId :

CLEAN-CONC

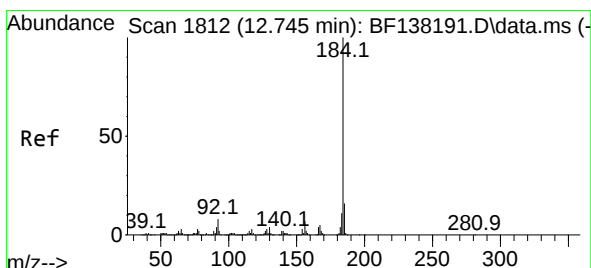
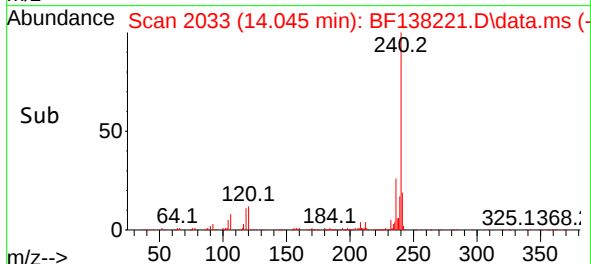
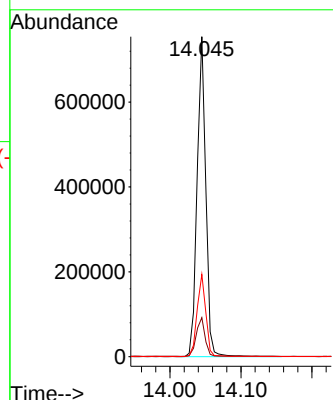
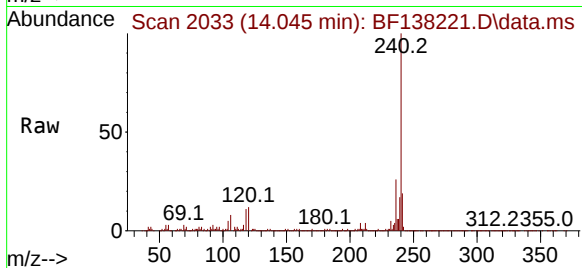
Tgt Ion:240 Resp: 643454

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

236 25.7 21.0 31.6



#77

Benzidine

Concen: 3.465 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF138221.D

Acq: 18 Jun 2024 13:32

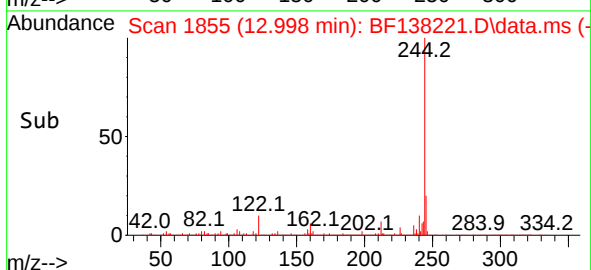
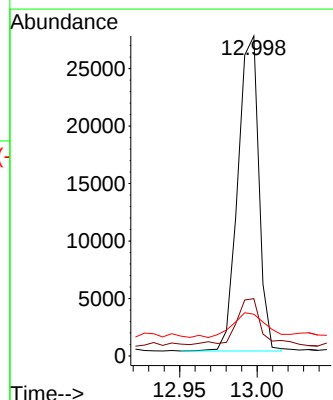
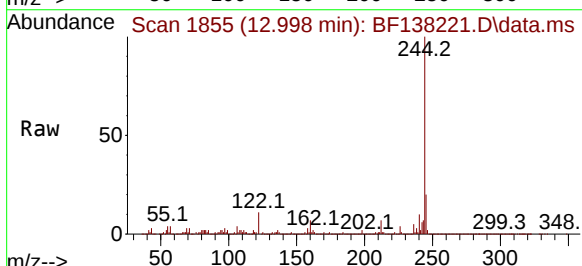
Tgt Ion:184 Resp: 25791

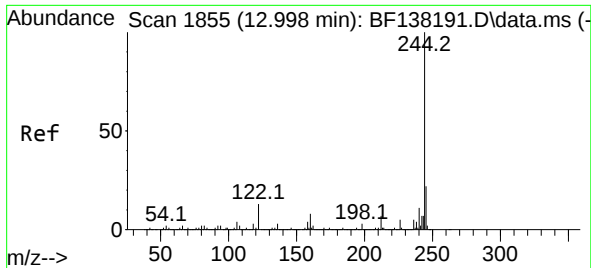
Ion Ratio Lower Upper

184 100

185 17.9 12.6 19.0

183 13.1 9.0 13.6

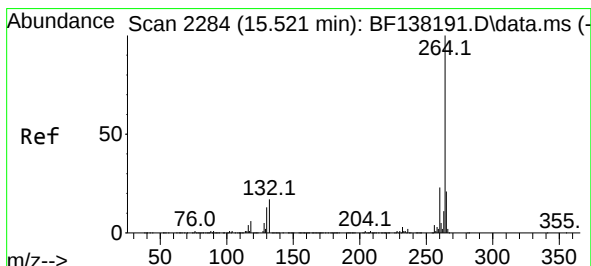
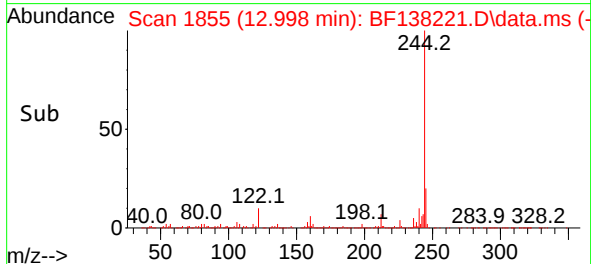
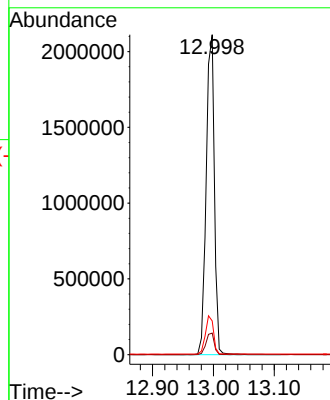
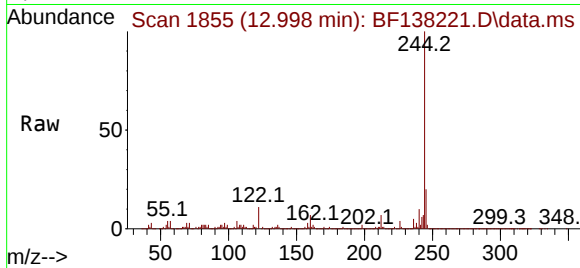




#79
 Terphenyl-d14
 Concen: 48.503 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF138221.D
 Acq: 18 Jun 2024 13:32

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-CONC

Tgt Ion:244 Resp: 1970508
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.6 10.6 15.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: BF138221.D
 Acq: 18 Jun 2024 13:32

Tgt Ion:264 Resp: 560719
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 21.6 17.0 25.6

