

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062124\
 Data File : BF138281.D
 Acq On : 21 Jun 2024 12:54
 Operator : CG\JU
 Sample : P2976-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K-COMP

Quant Time: Jun 21 13:17:24 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)

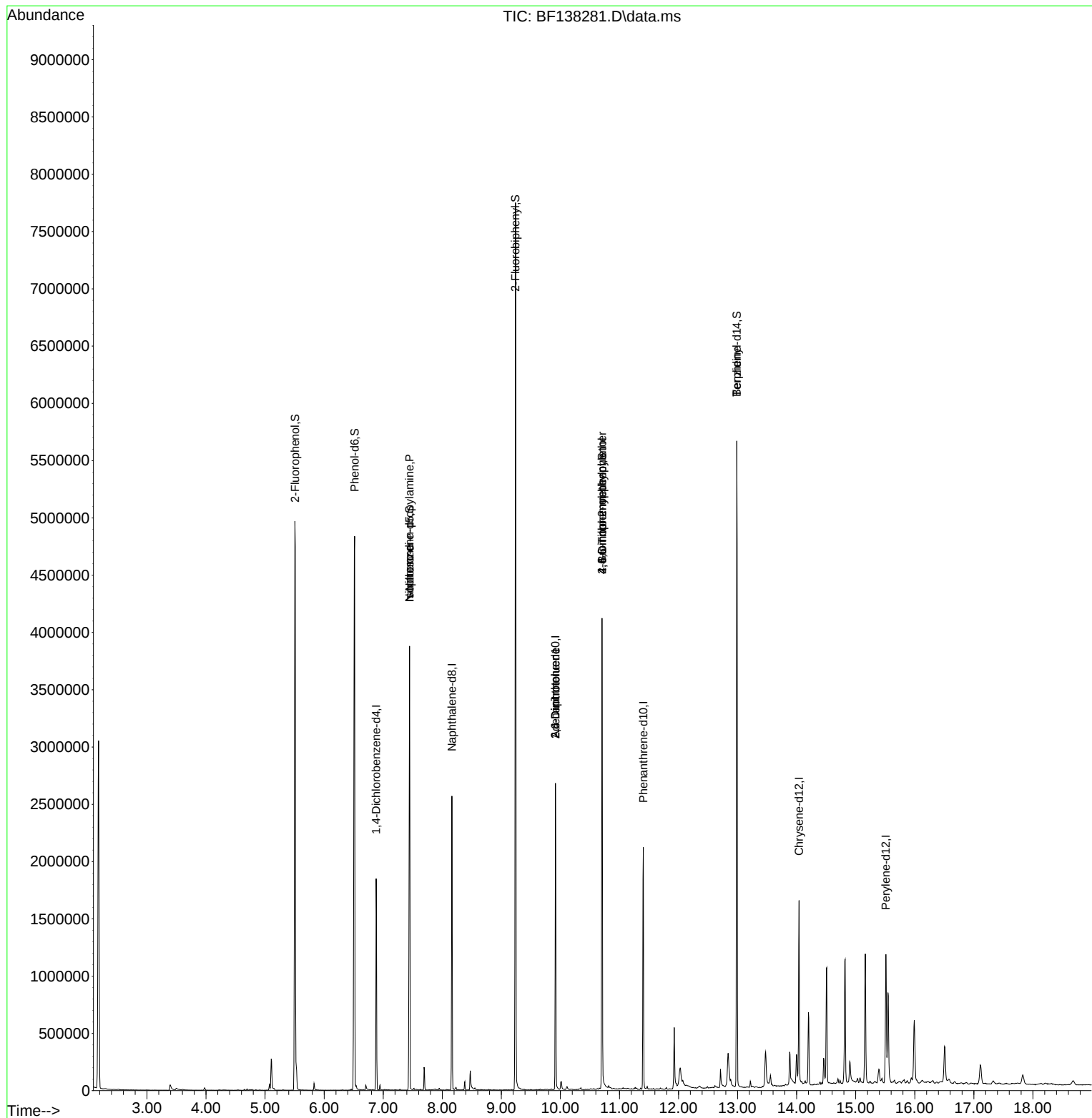
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	265031	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	1009276	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	526400	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	778741	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	496395	20.000	ng	-0.01
86) Perylene-d12	15.510	264	531446	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1712982	108.120	ng	0.00
7) Phenol-d6	6.516	99	2082991	103.683	ng	0.00
23) Nitrobenzene-d5	7.445	82	1281721	73.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	518461	98.935	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2397781	72.432	ng	-0.01
79) Terphenyl-d14	12.986	244	2054497	65.552	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	170412	14.310	ng	# 76
25) Isophorone	7.445	82	1279666	40.808	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	71427	10.208	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	71416	8.275	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	1123	7.176	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	32810	3.739	ng	# 1
77) Benzidine	12.986	184	26330	4.586	ng	# 93

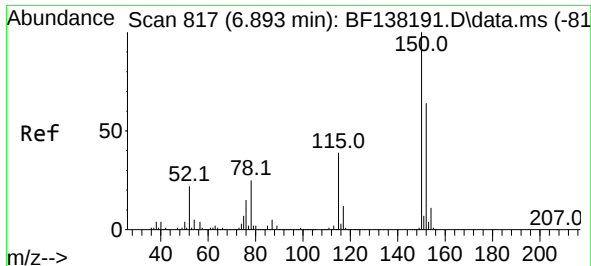
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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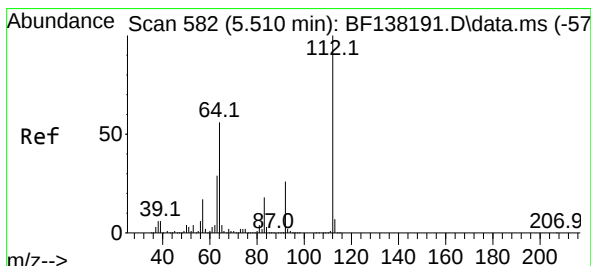
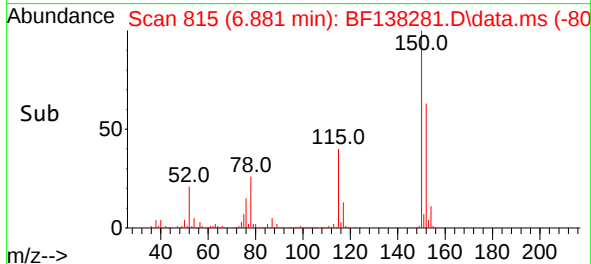
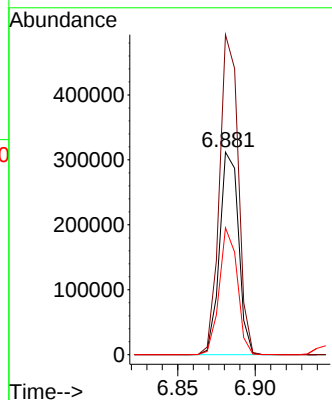
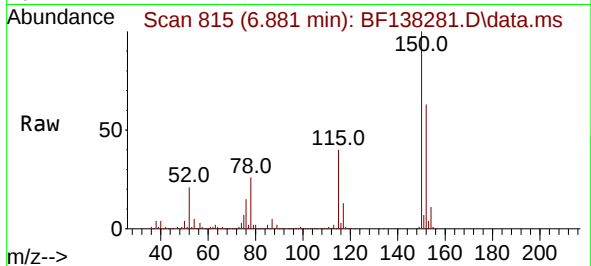




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138281.D
 Acq: 21 Jun 2024 12:54

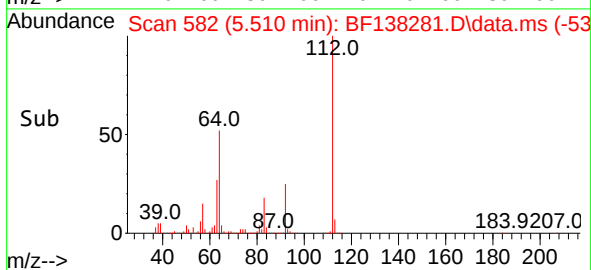
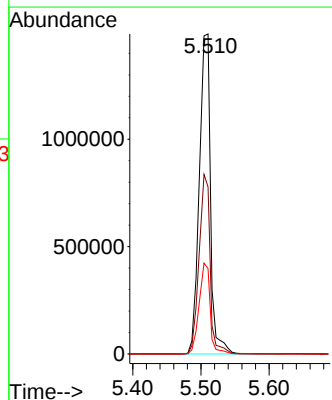
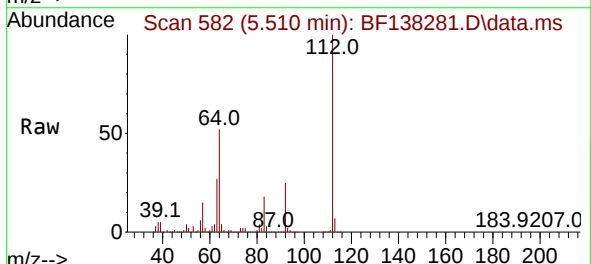
Instrument :
 BNA_F
 ClientSampleId :
 MH-K-COMP

Tgt Ion:152 Resp: 265031
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.0 187.4
 115 62.6 48.4 72.6



#5
 2-Fluorophenol
 Concen: 108.120 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138281.D
 Acq: 21 Jun 2024 12:54

Tgt Ion:112 Resp: 1712982
 Ion Ratio Lower Upper
 112 100
 64 52.2 45.2 67.8
 63 26.7 22.9 34.3





#7

Phenol-d6

Concen: 103.683 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

Instrument :

BNA_F

ClientSampleId :

MH-K-COMP

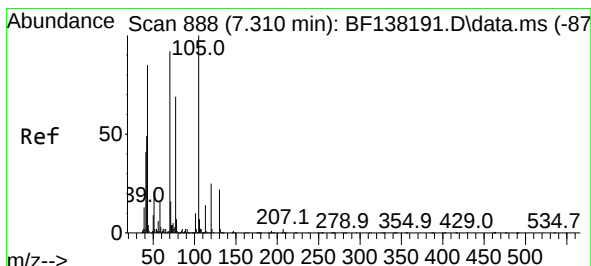
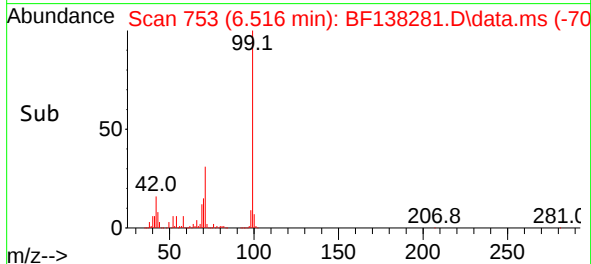
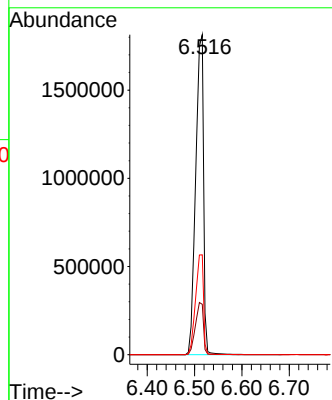
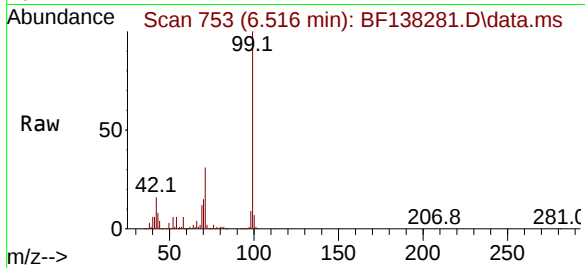
Tgt Ion: 99 Resp: 2082991

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

71 31.2 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.310 ng

RT: 7.445 min Scan# 911

Delta R.T. 0.135 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

Tgt Ion: 70 Resp: 170412

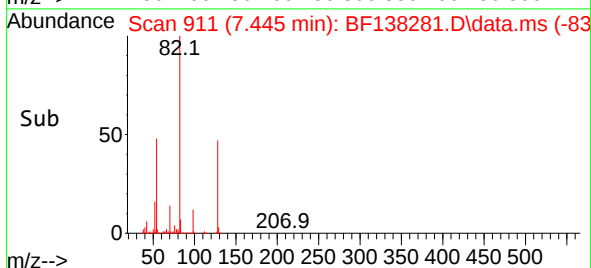
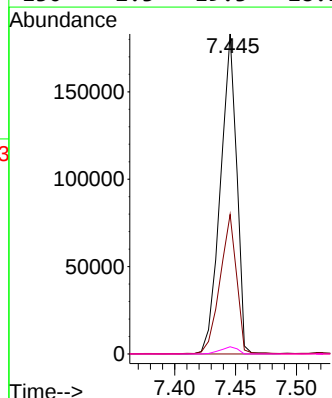
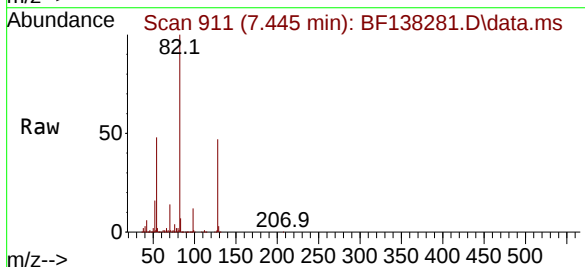
Ion Ratio Lower Upper

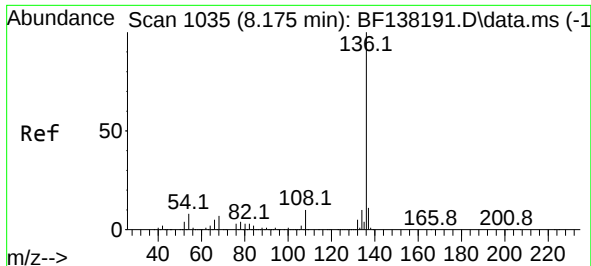
70 100

42 43.6 42.8 64.2

101 0.0 8.4 12.6#

130 2.3 19.3 28.9#

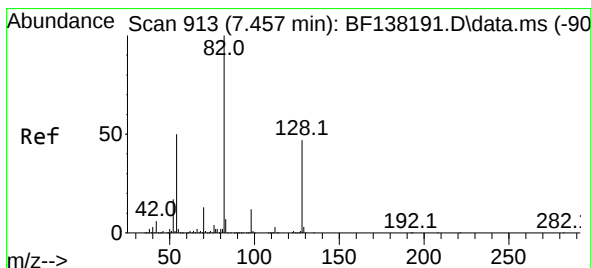
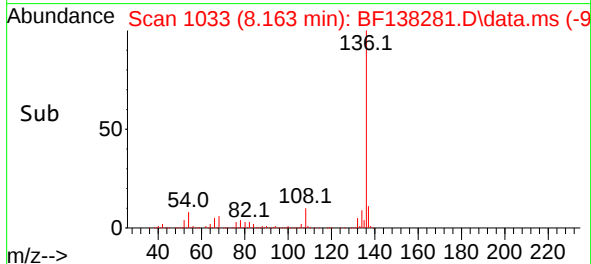
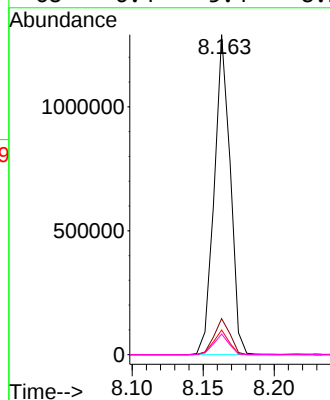
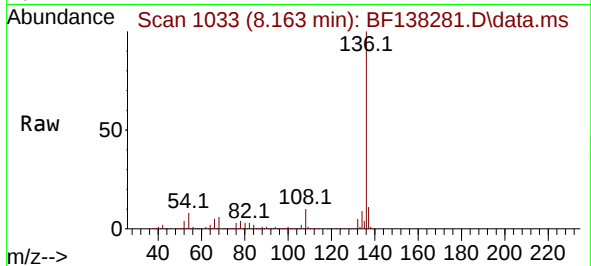




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1035
Delta R.T. -0.012 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

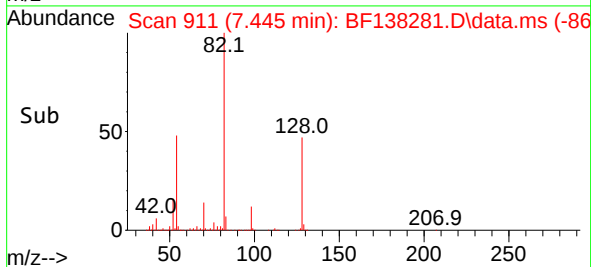
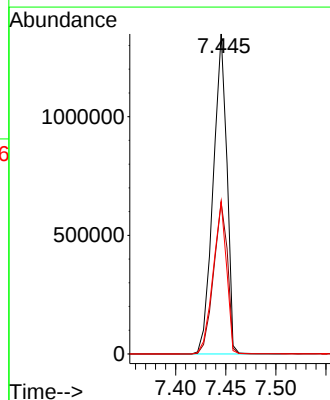
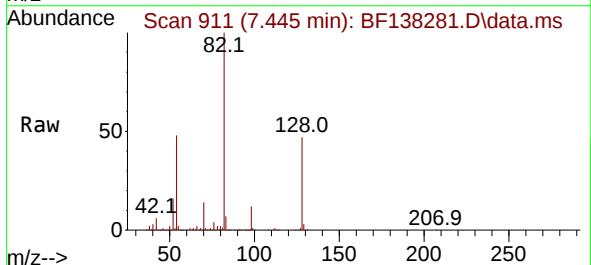
Instrument :
BNA_F
ClientSampleId :
MH-K-COMP

Tgt Ion:136 Resp: 1009276
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.7 6.6 10.0
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 73.931 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

Tgt Ion: 82 Resp: 1281721
Ion Ratio Lower Upper
82 100
128 47.4 37.2 55.8
54 47.6 39.8 59.6

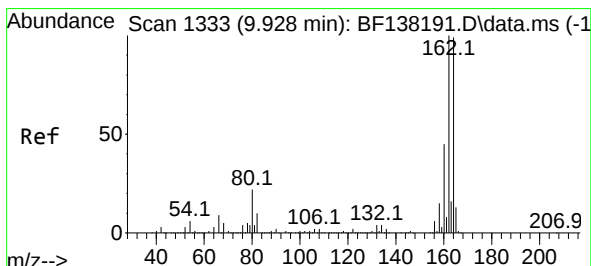
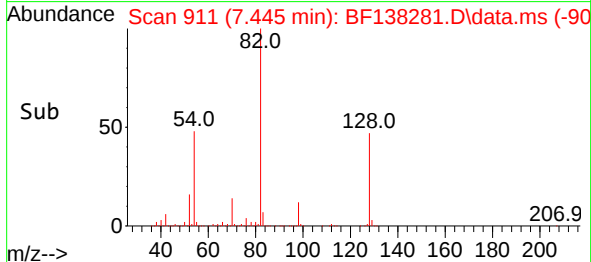
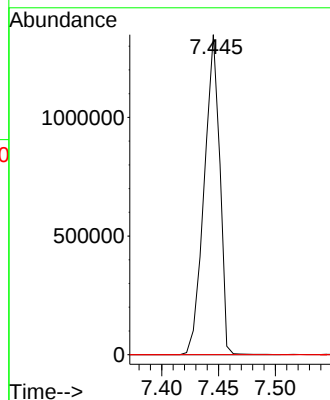
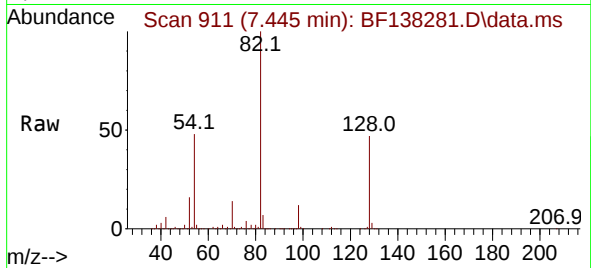




#25
Isophorone
Concen: 40.808 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

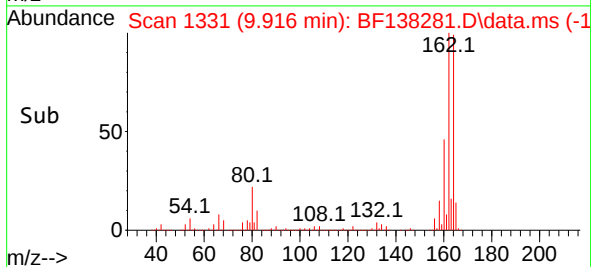
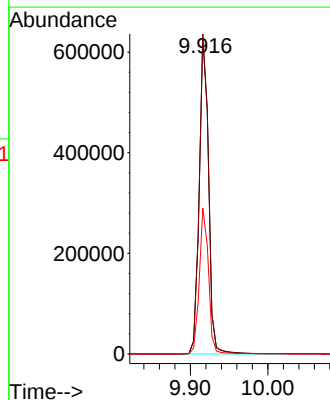
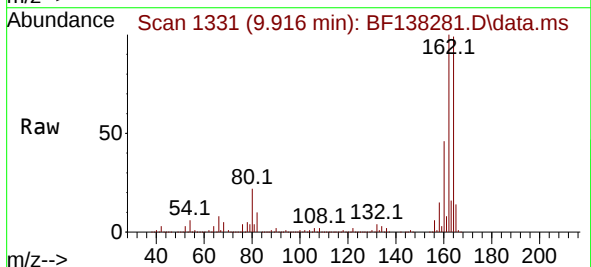
Instrument :
BNA_F
ClientSampleId :
MH-K-COMP

Tgt Ion: 82 Resp: 1279666
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: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

Tgt Ion: 164 Resp: 526400
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 46.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 98.935 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

Instrument :

BNA_F

ClientSampleId :

MH-K-COMP

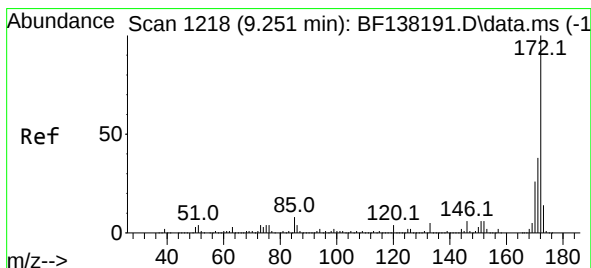
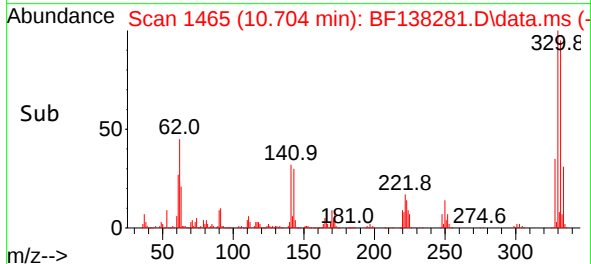
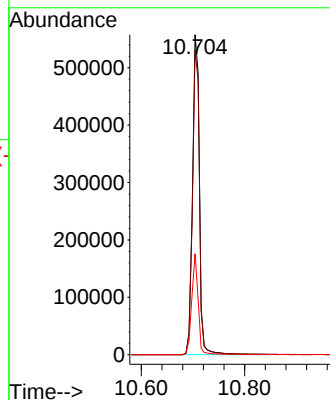
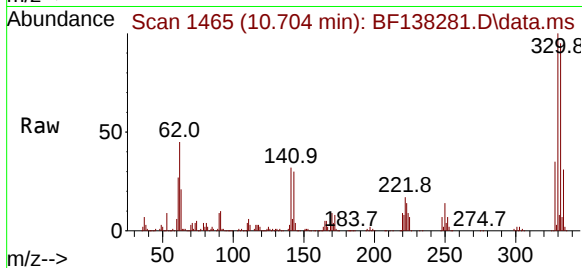
Tgt Ion:330 Resp: 518461

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 72.432 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

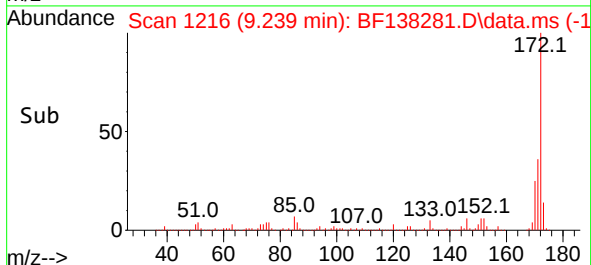
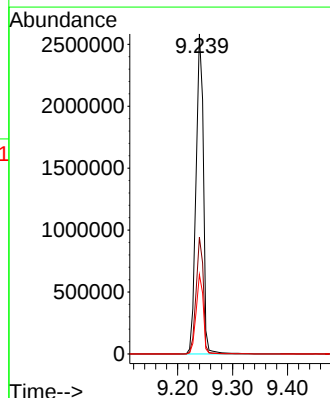
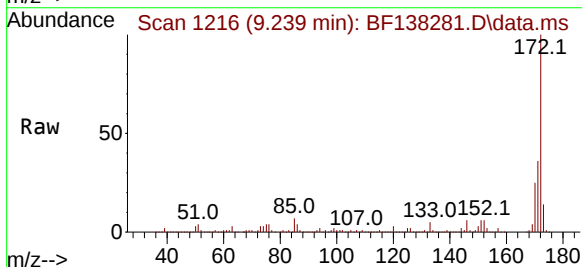
Tgt Ion:172 Resp: 2397781

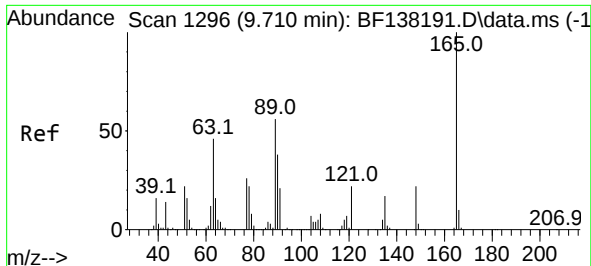
Ion Ratio Lower Upper

172 100

171 36.5 30.3 45.5

170 24.8 20.6 30.8

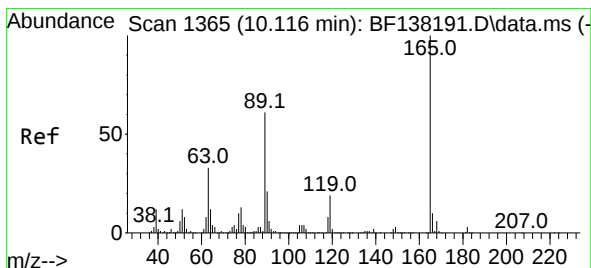
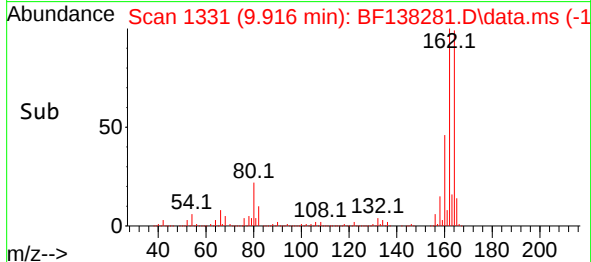
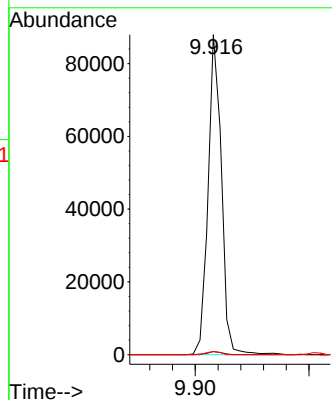
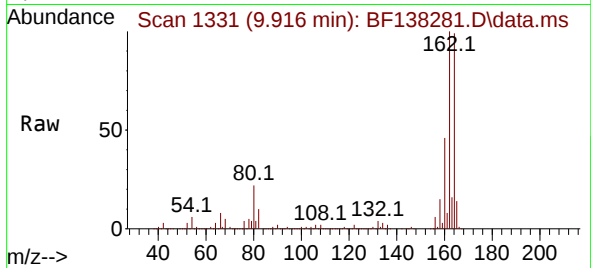




#51
2,6-Dinitrotoluene
Concen: 10.208 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

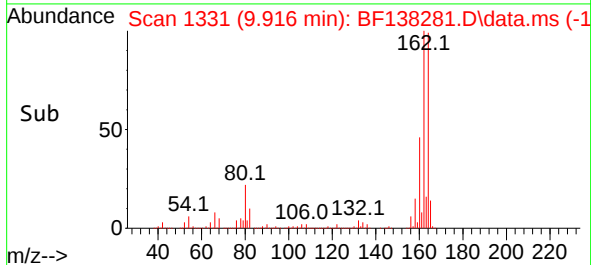
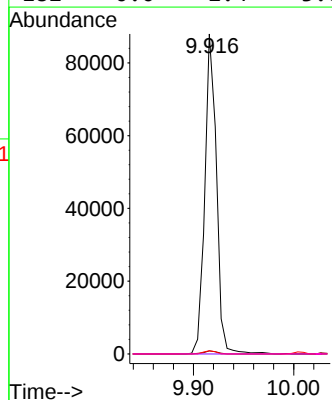
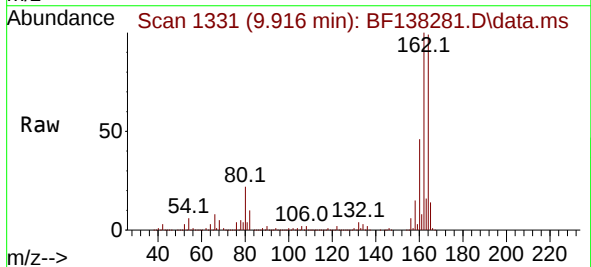
Instrument :
BNA_F
ClientSampleId :
MH-K-COMP

Tgt Ion:165 Resp: 71427
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: 8.275 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

Tgt Ion:165 Resp: 71416
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: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

Instrument :

BNA_F

ClientSampleId :

MH-K-COMP

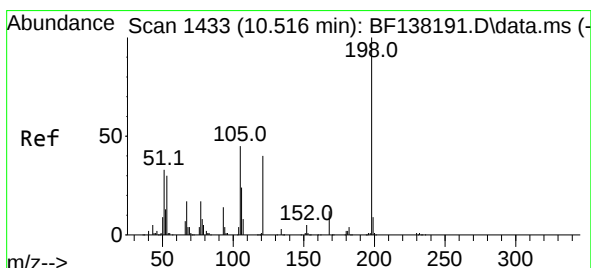
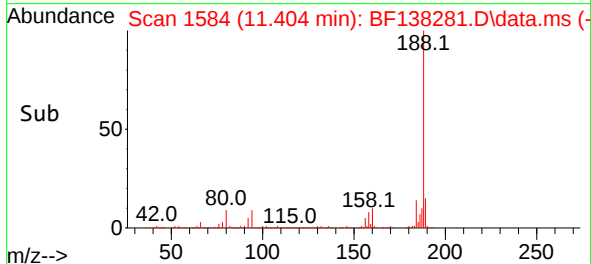
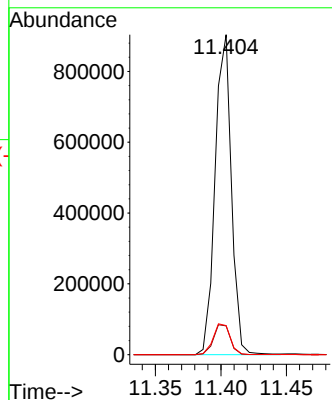
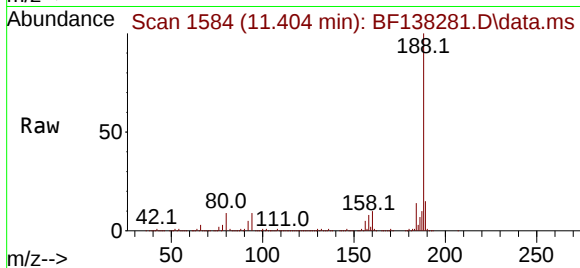
Tgt Ion:188 Resp: 778741

Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 9.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.176 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

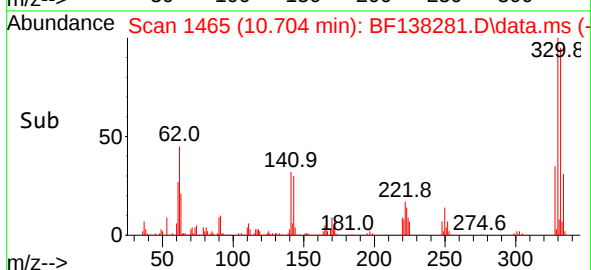
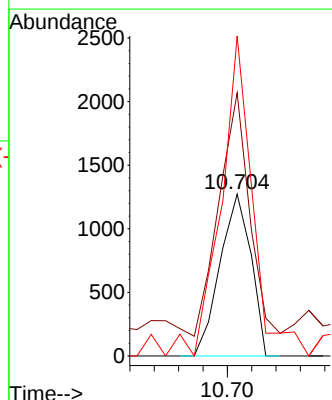
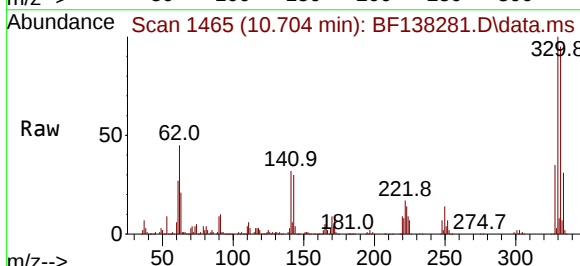
Tgt Ion:198 Resp: 1123

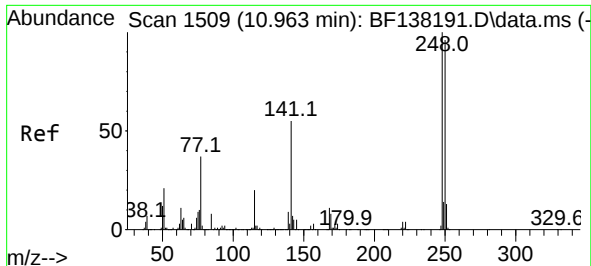
Ion Ratio Lower Upper

198 100

51 162.7 26.9 66.9#

105 197.8 26.0 66.0#

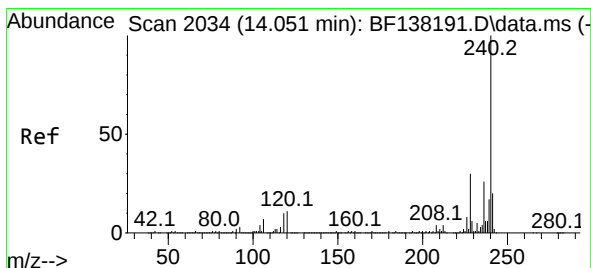
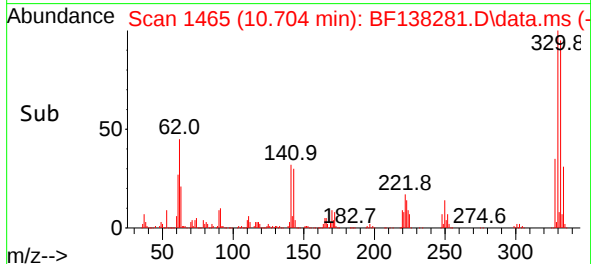
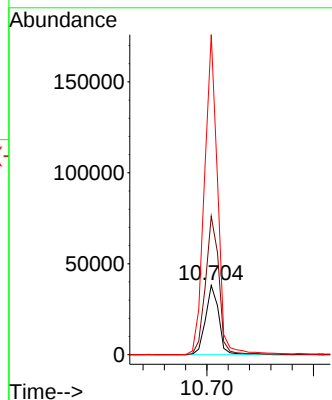
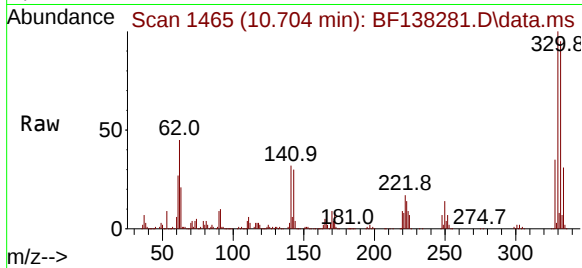




#67
4-Bromophenyl-phenylether
Concen: 3.739 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

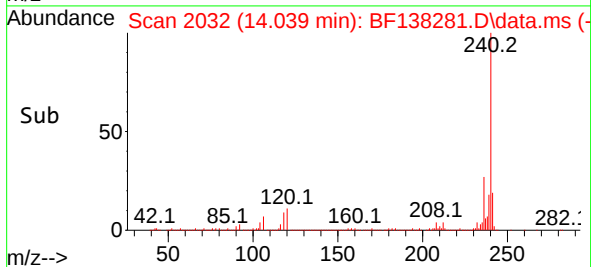
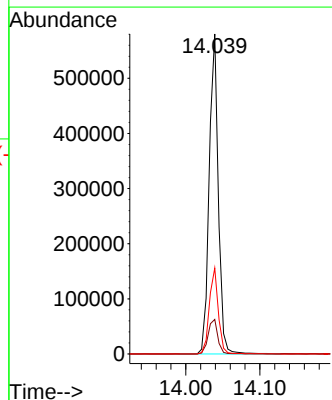
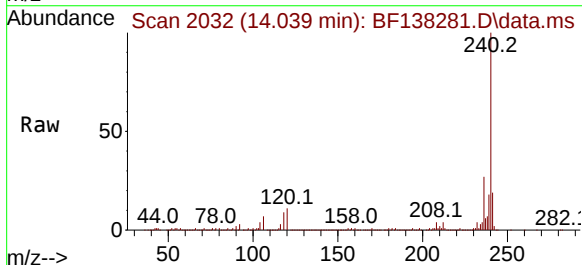
Instrument :
BNA_F
ClientSampleId :
MH-K-COMP

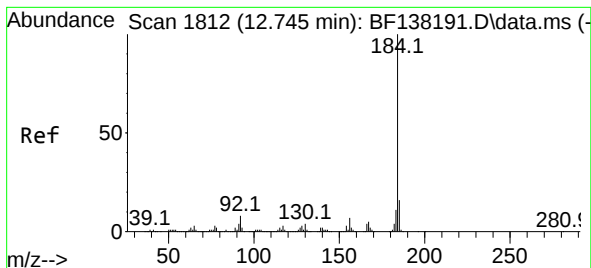
Tgt Ion:248 Resp: 32810
Ion Ratio Lower Upper
248 100
250 199.9 77.2 115.8#
141 461.7 44.1 66.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138281.D
Acq: 21 Jun 2024 12:54

Tgt Ion:240 Resp: 496395
Ion Ratio Lower Upper
240 100
120 10.8 9.2 13.8
236 26.8 21.0 31.6





#77

Benzidine

Concen: 4.586 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

Instrument :

BNA_F

ClientSampleId :

MH-K-COMP

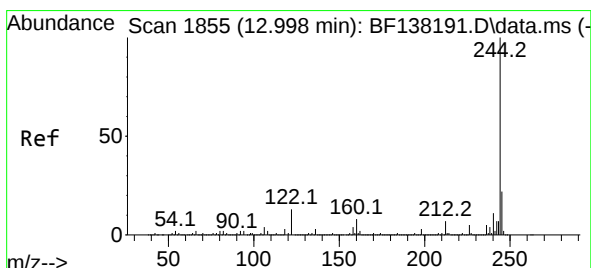
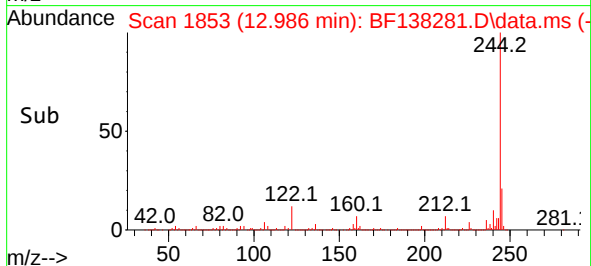
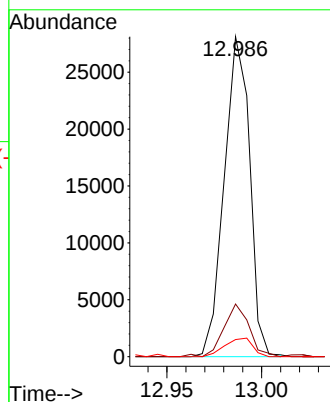
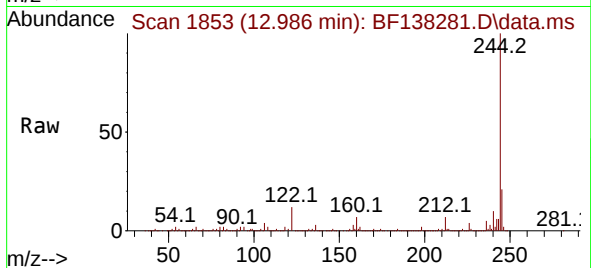
Tgt Ion:184 Resp: 26330

Ion Ratio Lower Upper

184 100

185 16.4 12.6 19.0

183 5.4 9.0 13.6#



#79

Terphenyl-d14

Concen: 65.552 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138281.D

Acq: 21 Jun 2024 12:54

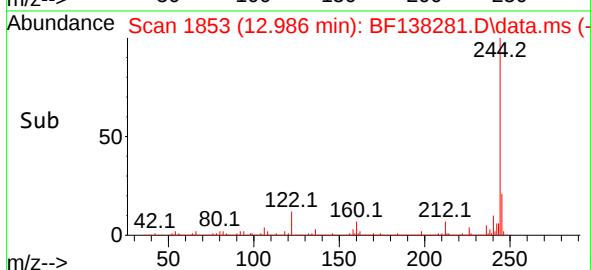
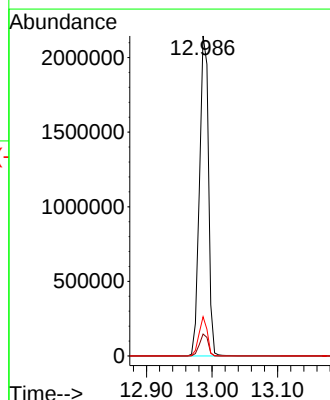
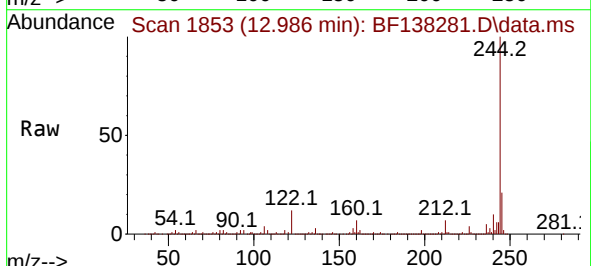
Tgt Ion:244 Resp: 2054497

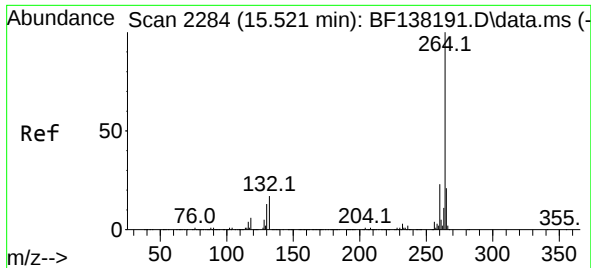
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

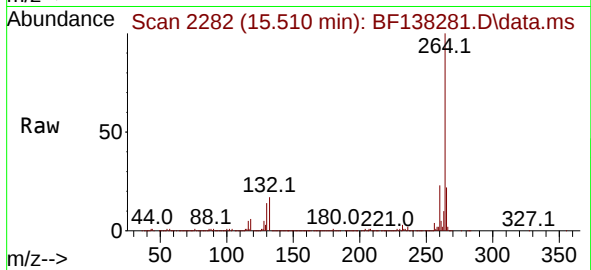
122 12.2 10.6 15.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF138281.D
 Acq: 21 Jun 2024 12:54

Instrument :
 BNA_F
 ClientSampleId :
 MH-K-COMP



Tgt Ion:264 Resp: 531446
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.7 17.0 25.6

