

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140065.D
 Acq On : 26 Oct 2024 17:44
 Operator : RC/JU
 Sample : P4508-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F22

Quant Time: Oct 28 01:09:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

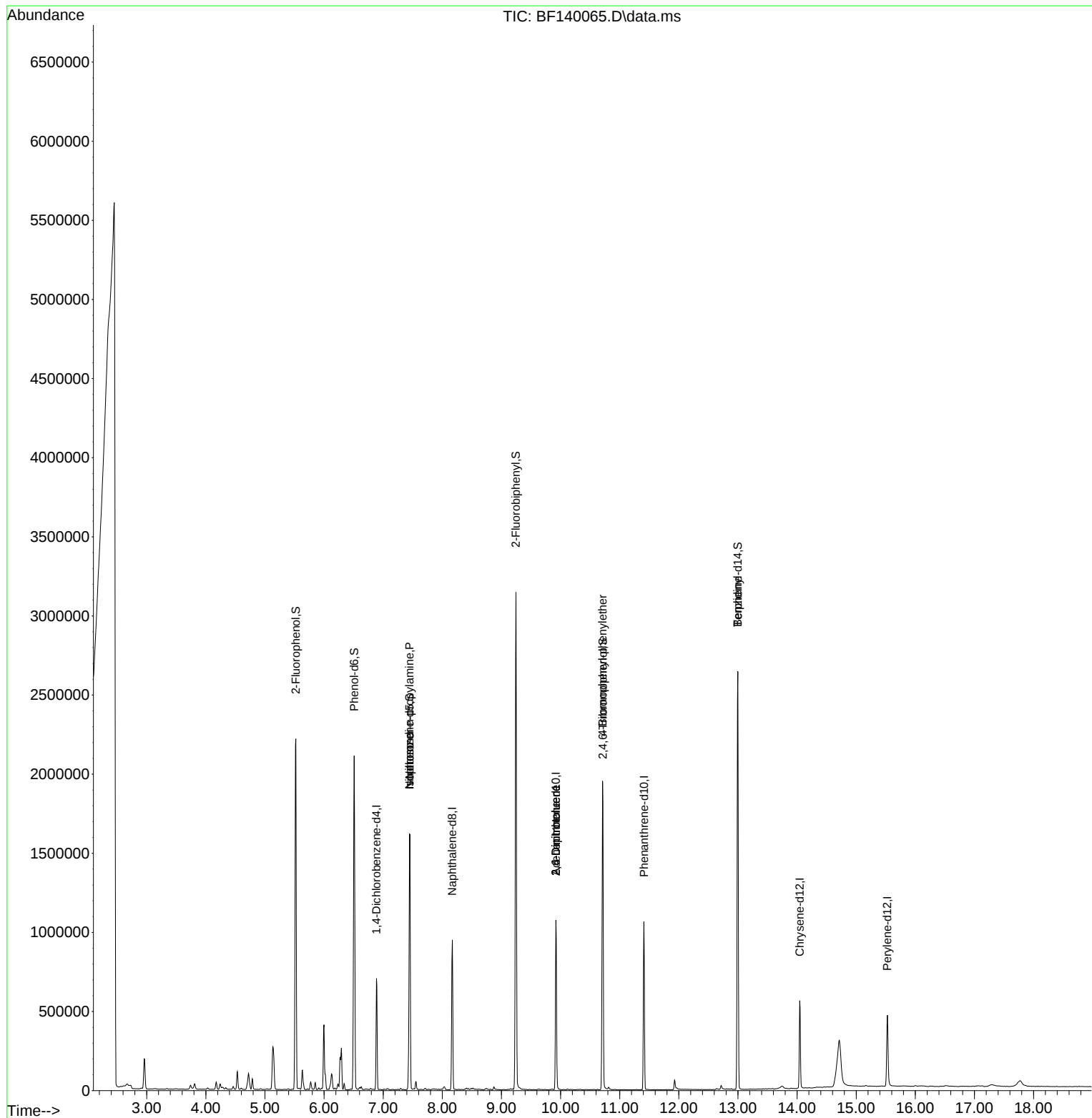
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	141607	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	572375	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	328755	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	553396	20.000	ng	0.00
76) Chrysene-d12	14.045	240	268990	20.000	ng	0.00
86) Perylene-d12	15.527	264	282837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	869965	96.176	ng	0.02
7) Phenol-d6	6.510	99	1031349	88.033	ng	0.00
23) Nitrobenzene-d5	7.445	82	789213	76.420	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	360967	117.385	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1466913	73.744	ng	0.00
79) Terphenyl-d14	12.998	244	1369516	82.962	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	107072	15.069	ng	Qvalue # 77
25) Isophorone	7.445	82	784476	40.022	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	41868	9.443	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	41869	7.679	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	23101	4.052	ng	# 1
77) Benzidine	12.998	184	17114	3.869	ng	# 94

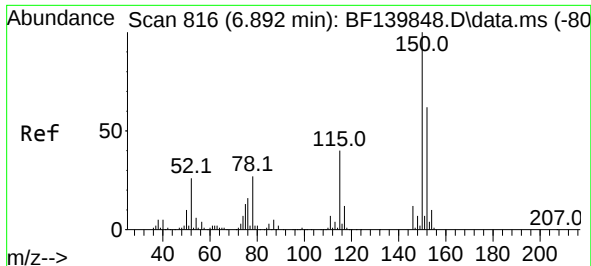
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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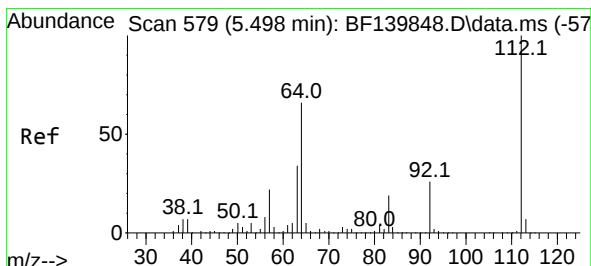
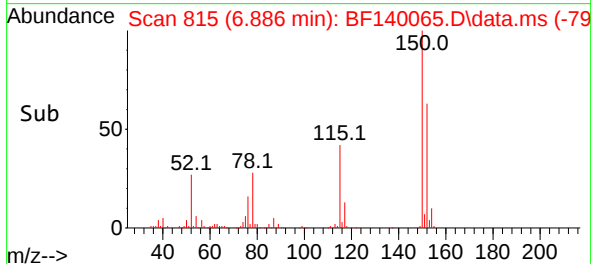
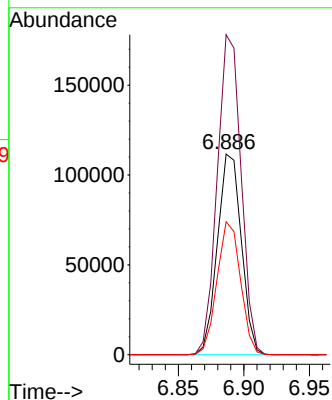
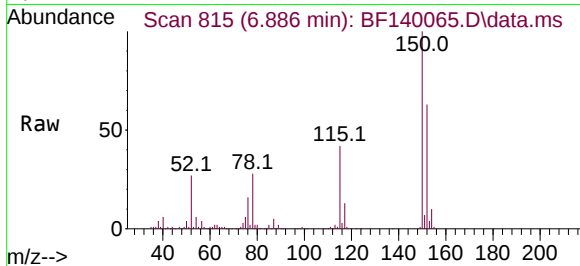




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

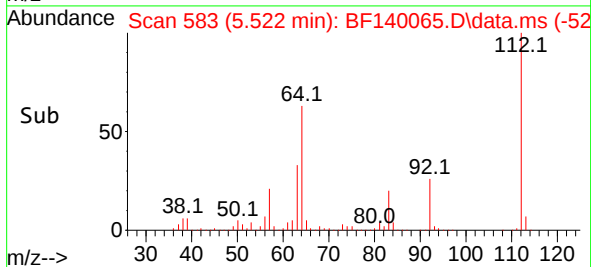
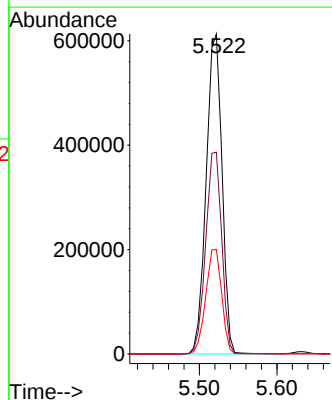
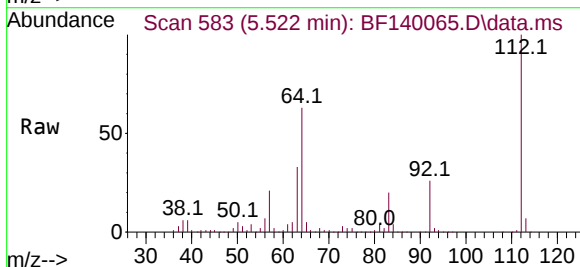
Instrument :
BNA_F
ClientSampleId :
BP-F22

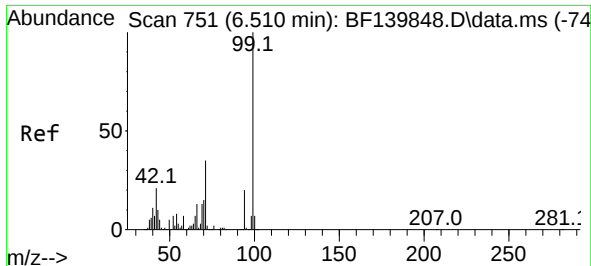
Tgt Ion:152 Resp: 141607
Ion Ratio Lower Upper
152 100
150 159.5 130.2 195.2
115 66.2 51.4 77.2



#5
2-Fluorophenol
Concen: 96.176 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Tgt Ion:112 Resp: 869965
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.6 27.0 40.4

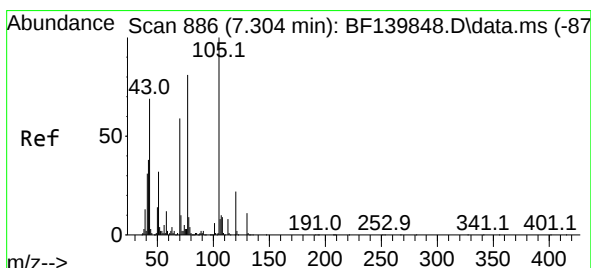
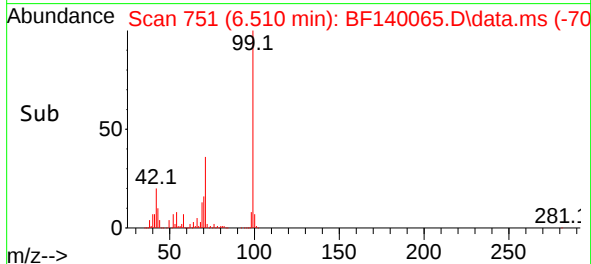
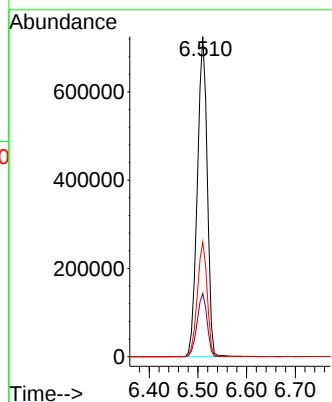
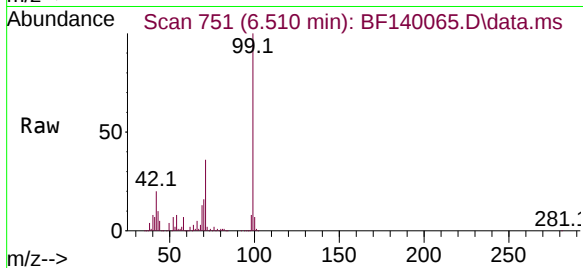




#7
Phenol-d6
Concen: 88.033 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

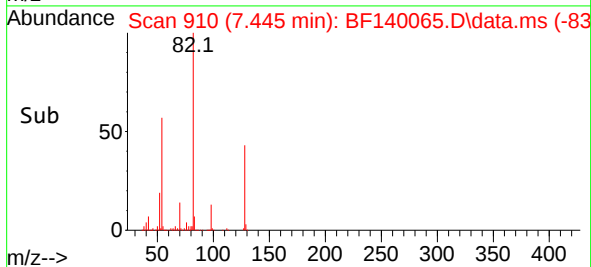
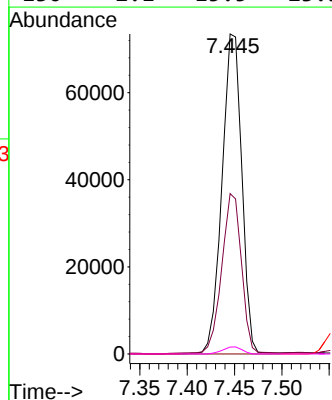
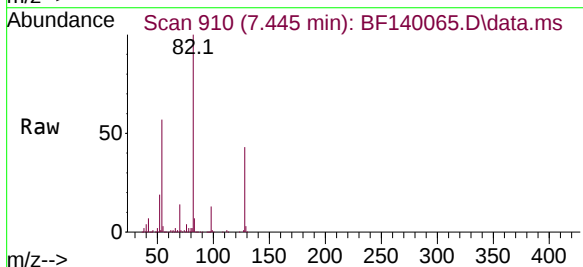
Instrument :
BNA_F
ClientSampleId :
BP-F22

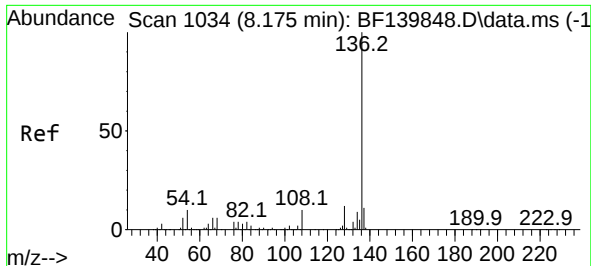
Tgt Ion: 99 Resp: 1031349
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 35.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.069 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Tgt Ion: 70 Resp: 107072
Ion Ratio Lower Upper
70 100
42 50.1 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



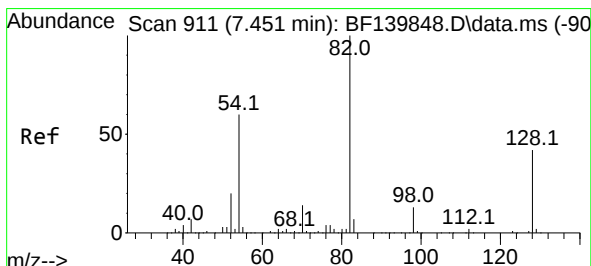
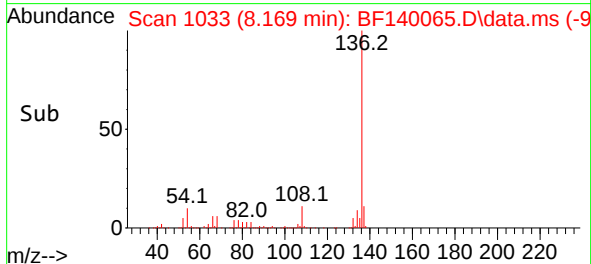
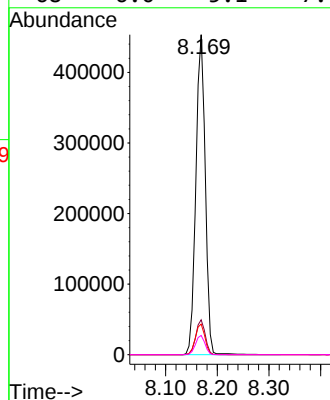
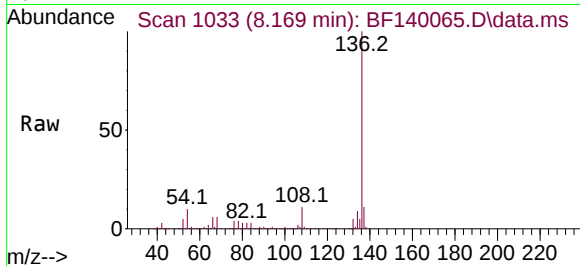


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Instrument :
BNA_F
ClientSampleId :
BP-F22

Tgt Ion:136 Resp: 572375

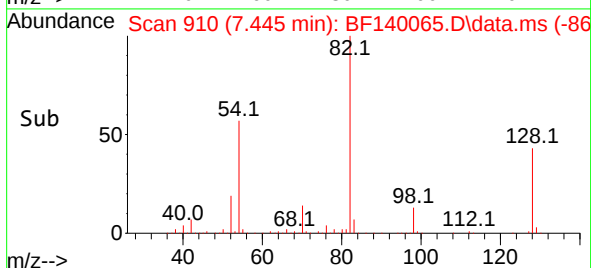
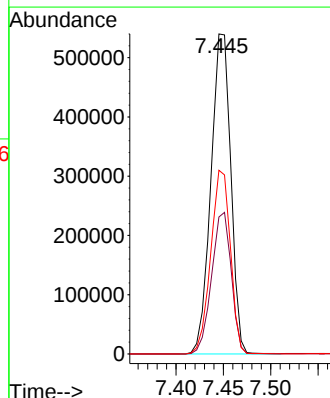
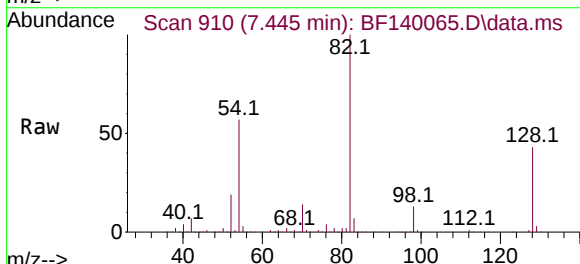
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.6	8.4	12.6
68	6.0	5.1	7.7

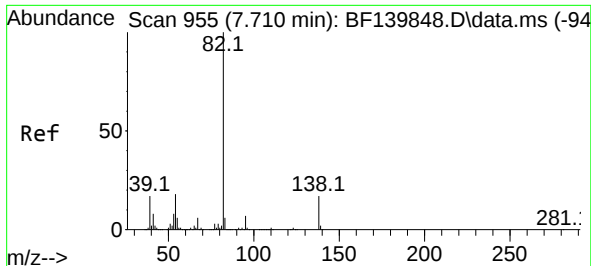


#23
Nitrobenzene-d5
Concen: 76.420 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Tgt Ion: 82 Resp: 789213

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.4	50.0
54	57.4	47.8	71.8

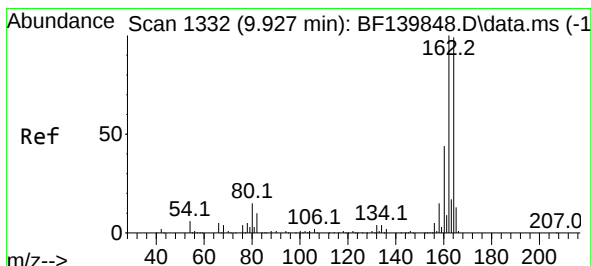
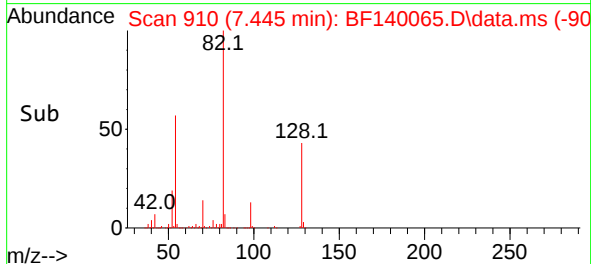
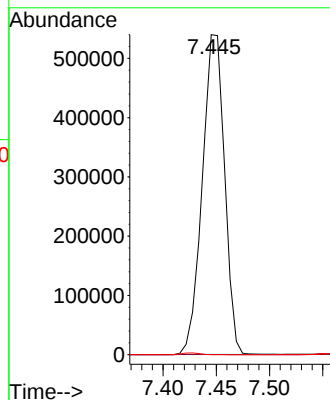
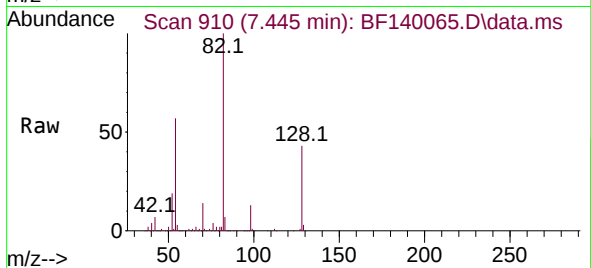




#25
Isophorone
Concen: 40.022 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

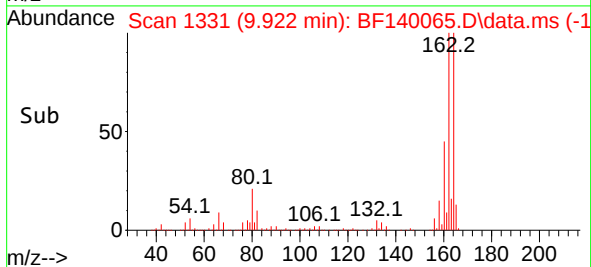
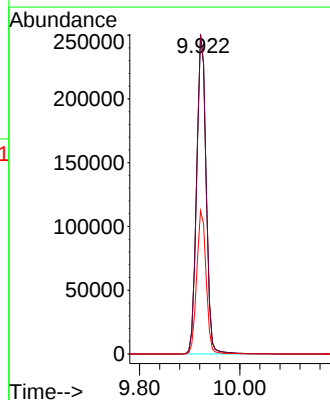
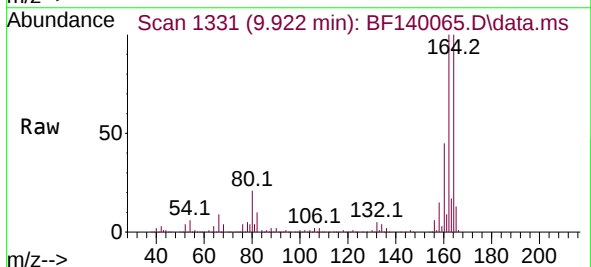
Instrument :
BNA_F
ClientSampleId :
BP-F22

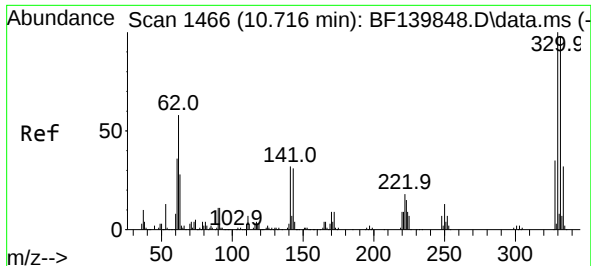
Tgt Ion: 82 Resp: 784476
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Tgt Ion: 164 Resp: 328755
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 117.385 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140065.D

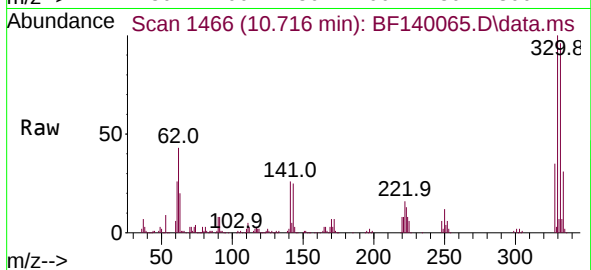
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Instrument :

BNA_F

ClientSampleId :

BP-F22



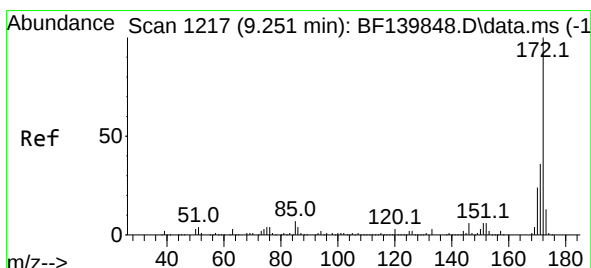
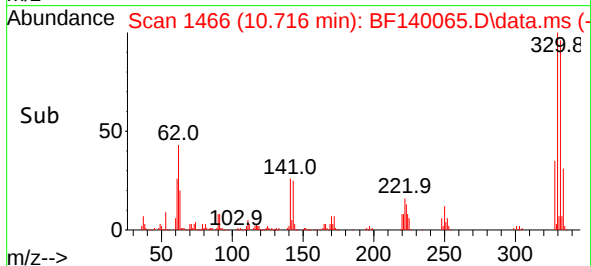
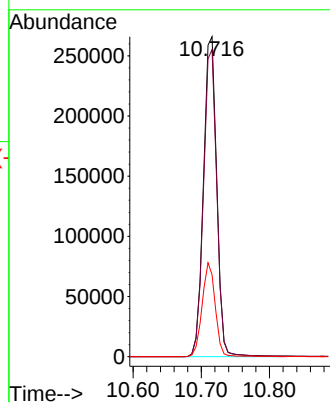
Tgt Ion:330 Resp: 360967

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

141 29.0 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 73.744 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140065.D

Acq: 26 Oct 2024 17:44

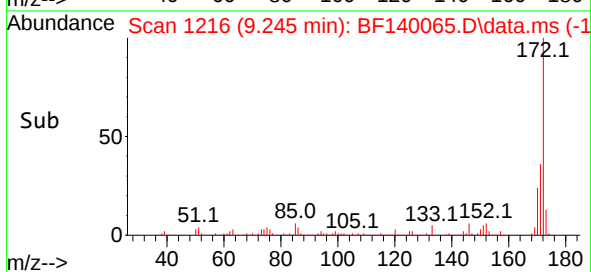
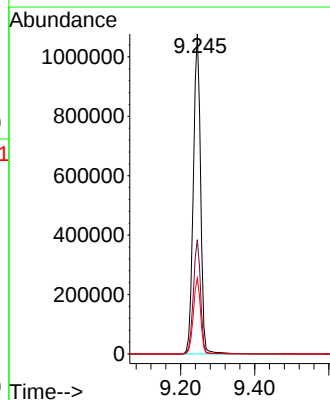
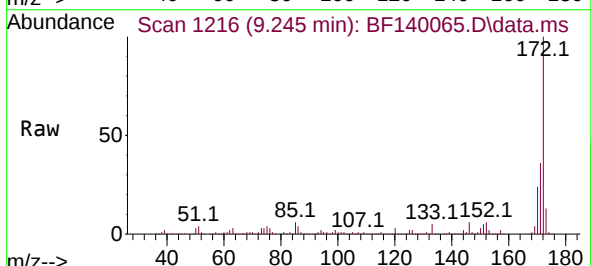
Tgt Ion:172 Resp: 1466913

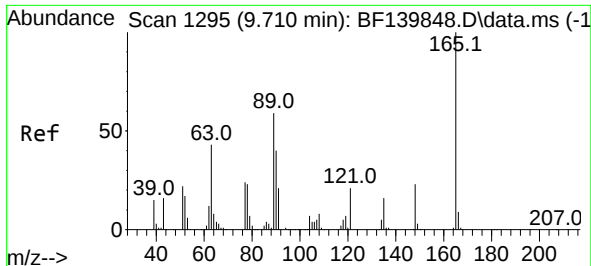
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.7 19.1 28.7

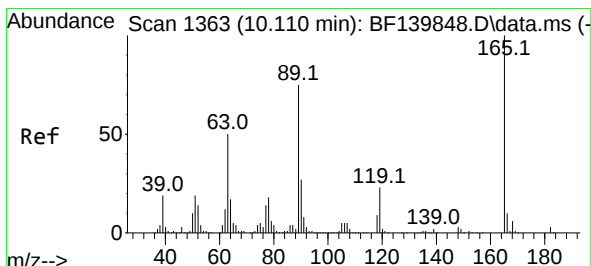
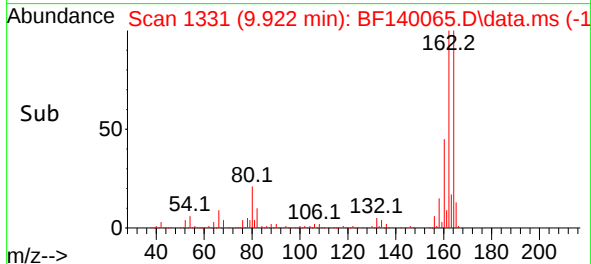
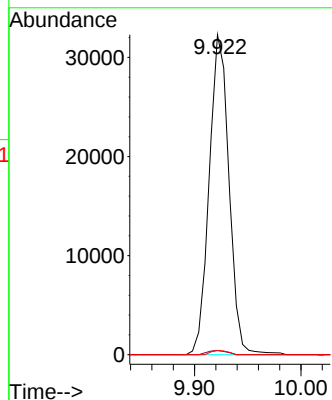
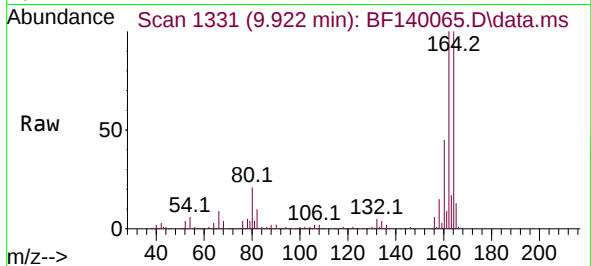




#51
2,6-Dinitrotoluene
Concen: 9.443 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

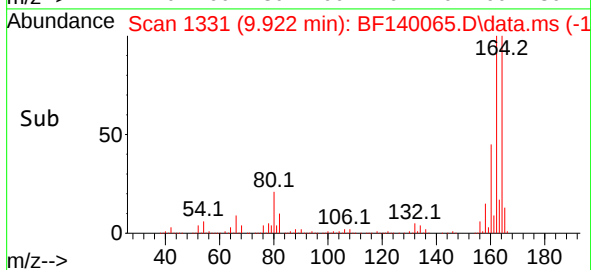
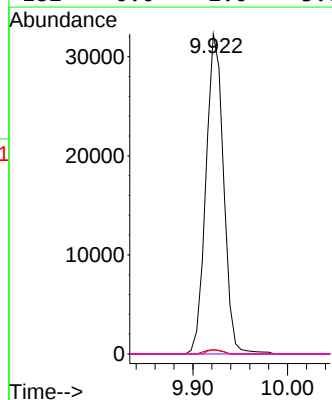
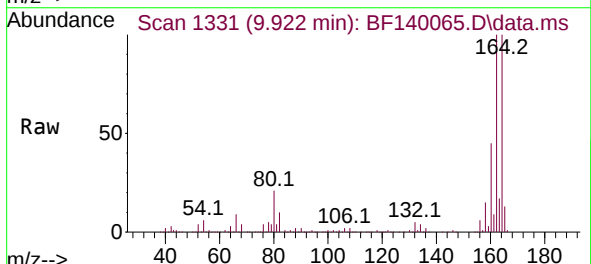
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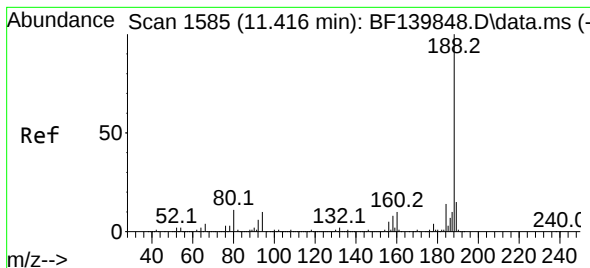
Tgt Ion:165 Resp: 41868
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.679 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140065.D
Acq: 26 Oct 2024 17:44

Tgt Ion:165 Resp: 41869
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140065.D

Acq: 26 Oct 2024 17:44

Instrument :

BNA_F

ClientSampleId :

BP-F22

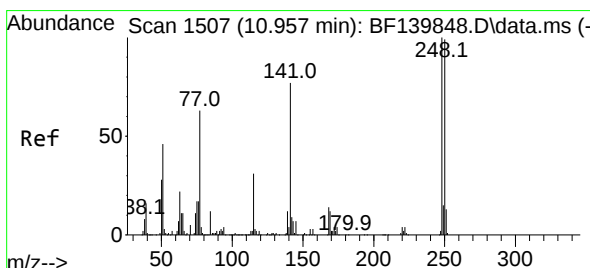
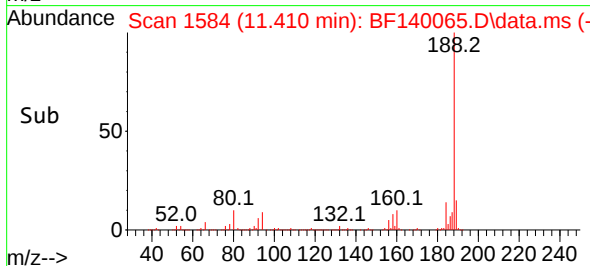
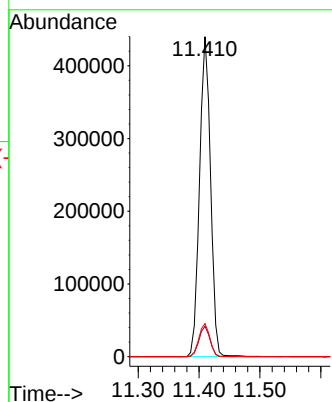
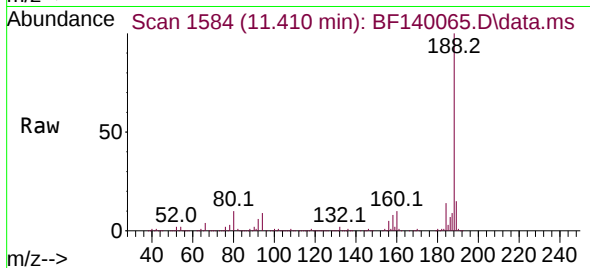
Tgt Ion:188 Resp: 553396

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.3 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.052 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140065.D

Acq: 26 Oct 2024 17:44

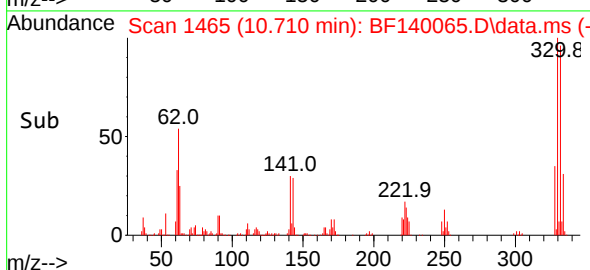
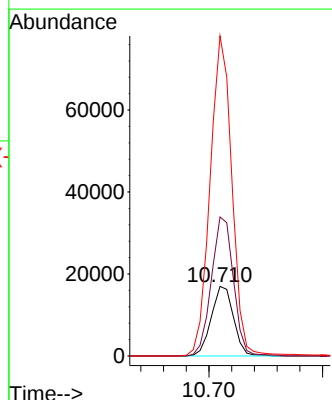
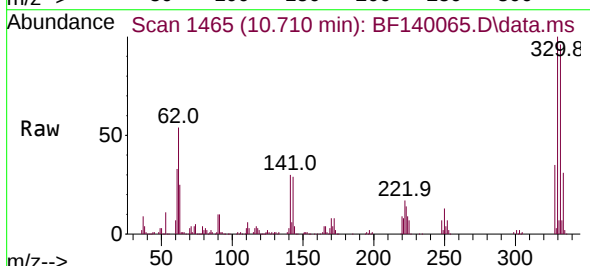
Tgt Ion:248 Resp: 23101

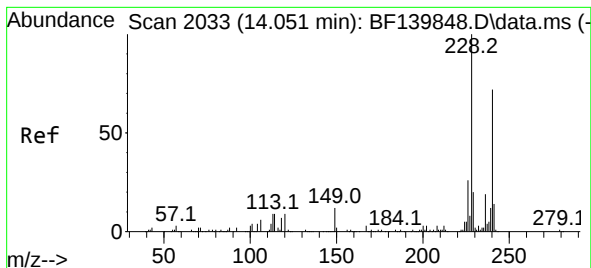
Ion Ratio Lower Upper

248 100

250 200.0 79.0 118.6#

141 460.1 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140065.D

Acq: 26 Oct 2024 17:44

Instrument :

BNA_F

ClientSampleId :

BP-F22

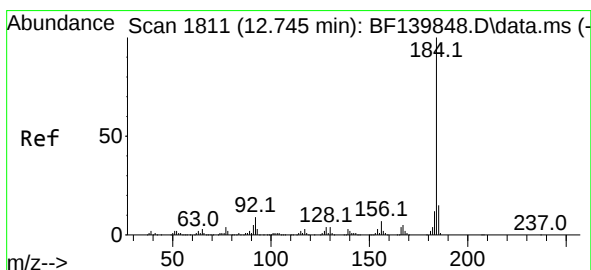
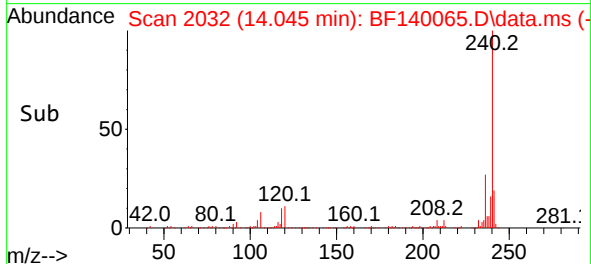
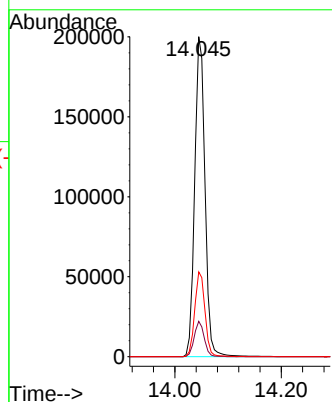
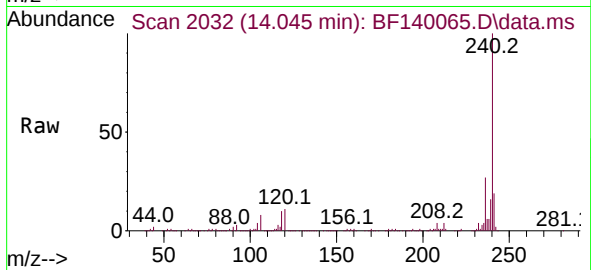
Tgt Ion:240 Resp: 268990

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 26.5 20.9 31.3



#77

Benzdine

Concen: 3.869 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140065.D

Acq: 26 Oct 2024 17:44

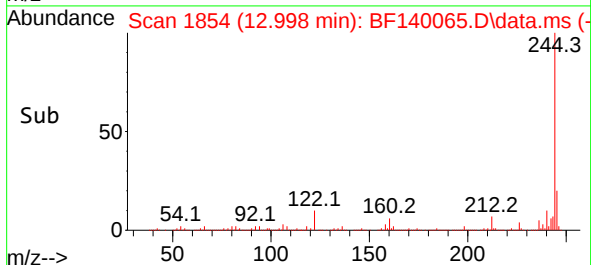
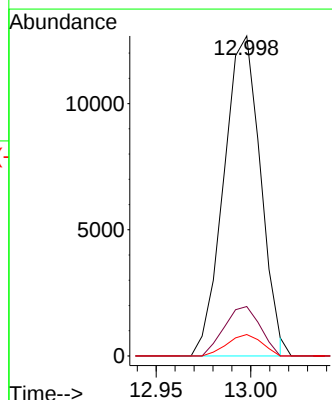
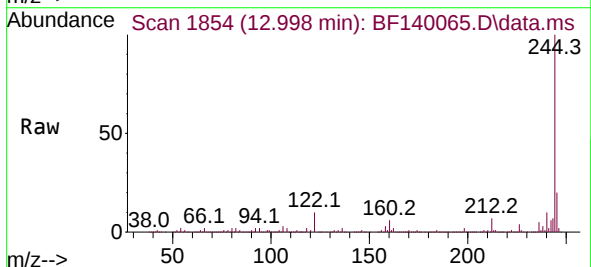
Tgt Ion:184 Resp: 17114

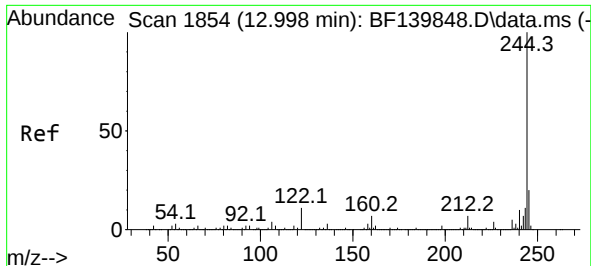
Ion Ratio Lower Upper

184 100

185 15.4 12.0 18.0

183 6.7 9.4 14.2#

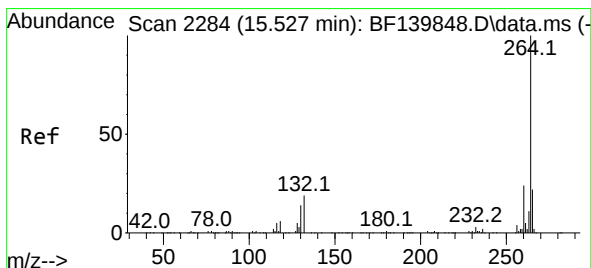
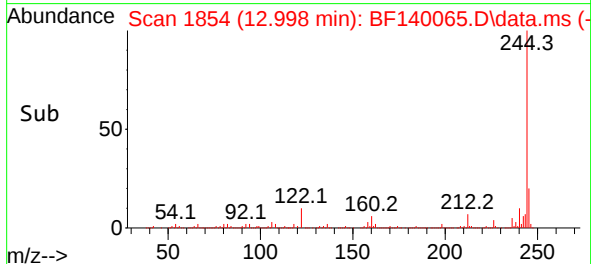
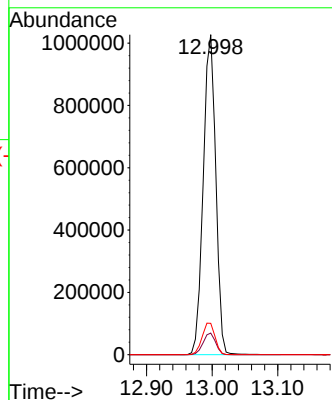
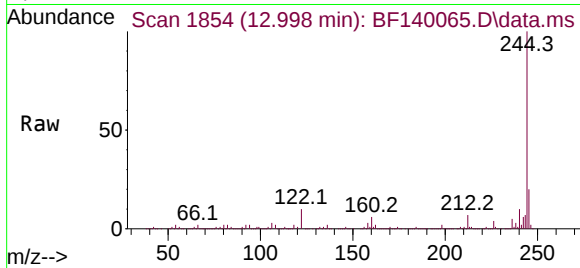




#79
 Terphenyl-d14
 Concen: 82.962 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF140065.D
 Acq: 26 Oct 2024 17:44

Instrument :
 BNA_F
 ClientSampleId :
 BP-F22

Tgt Ion:244 Resp: 1369516
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 9.8 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF140065.D
 Acq: 26 Oct 2024 17:44

Tgt Ion:264 Resp: 282837
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.4 17.4 26.0

