

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140110.D
 Acq On : 29 Oct 2024 14:16
 Operator : RC/JU
 Sample : P4578-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-305-BOT

Quant Time: Oct 29 14:53:25 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)

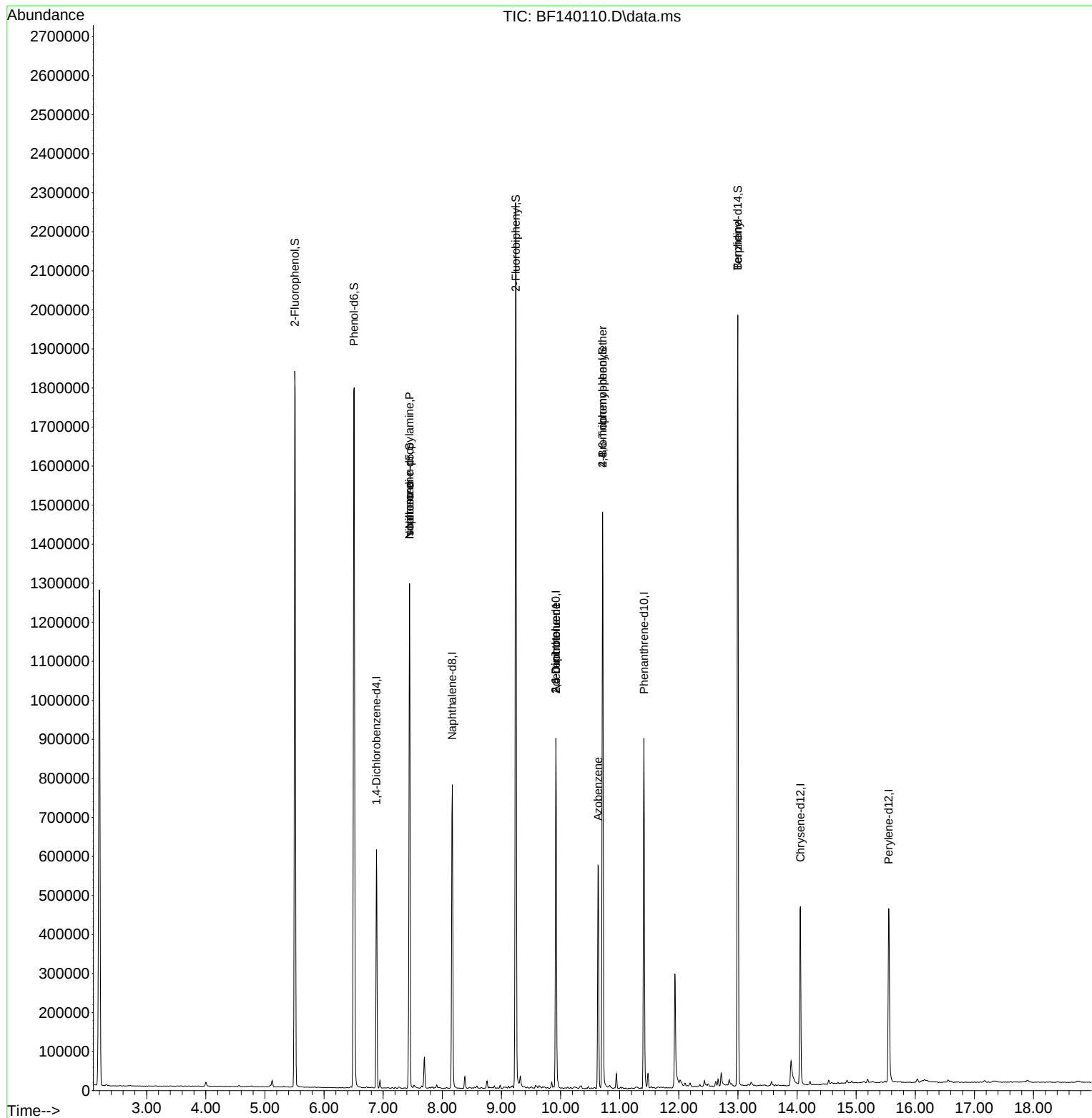
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	120686	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	473213	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	267166	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	461039	20.000	ng	0.00
76) Chrysene-d12	14.057	240	224689	20.000	ng	0.00
86) Perylene-d12	15.551	264	271519	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	693174	89.916	ng	0.00
7) Phenol-d6	6.504	99	886850	88.822	ng	0.00
23) Nitrobenzene-d5	7.446	82	564898	66.162	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	255776	102.352	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1068584	66.103	ng	0.00
79) Terphenyl-d14	12.998	244	977691	70.904	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.446	70	77331	12.770	ng	# 76
25) Isophorone	7.446	82	560952	34.615	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	34834	9.668	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	34835	7.862	ng	# 21
63) Azobenzene	10.634	77	152616	8.810	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	16066	3.383	ng	# 1
77) Benzidine	12.998	184	12890	3.489	ng	# 92

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

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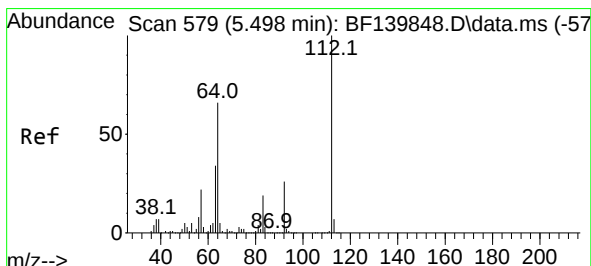
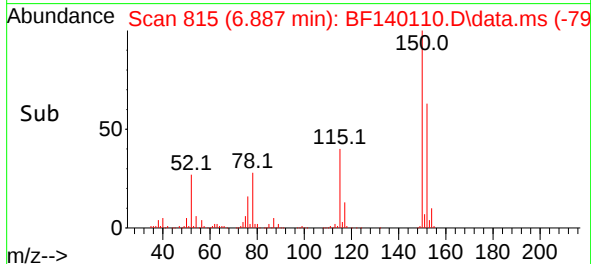
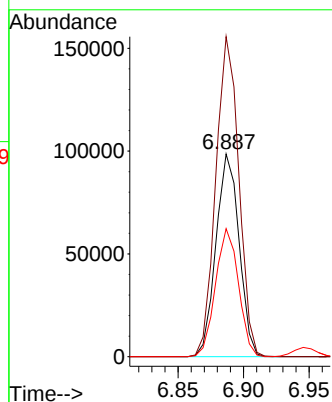
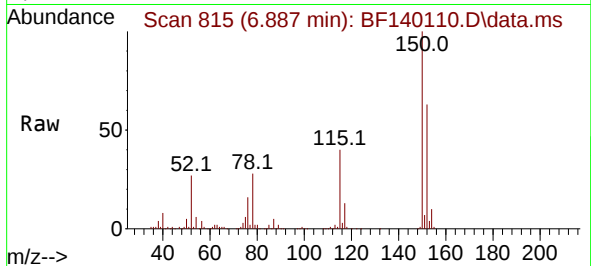




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

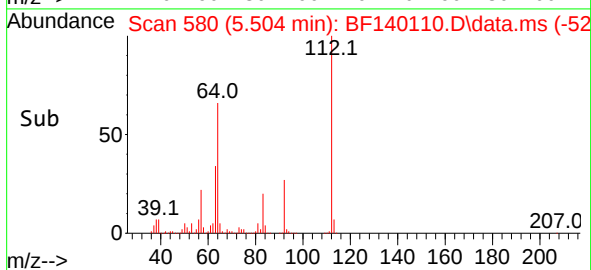
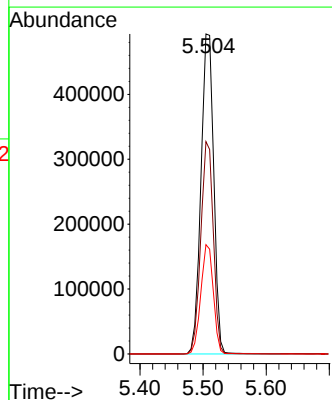
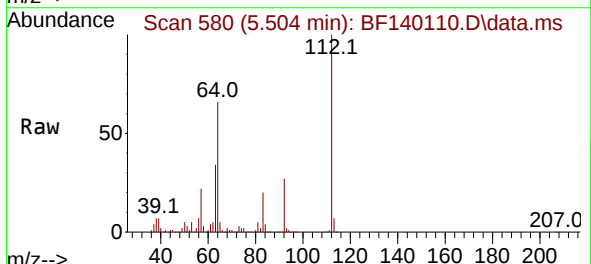
Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

Tgt Ion:152 Resp: 120686
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 63.1 51.4 77.2



#5
2-Fluorophenol
Concen: 89.916 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion:112 Resp: 693174
Ion Ratio Lower Upper
112 100
64 66.4 53.0 79.6
63 34.1 27.0 40.4

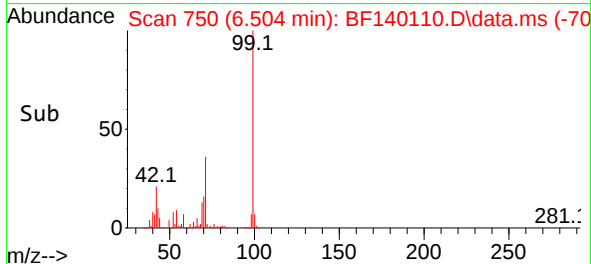
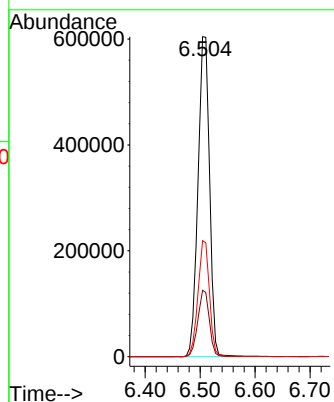
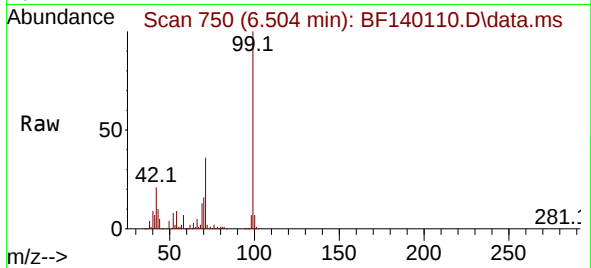




#7
Phenol-d6
Concen: 88.822 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

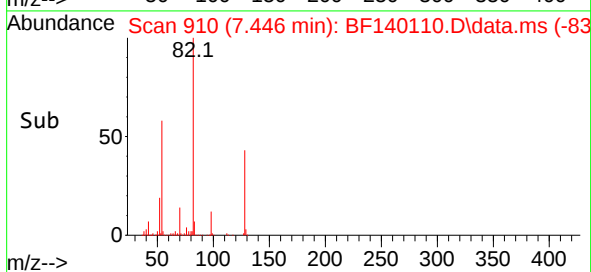
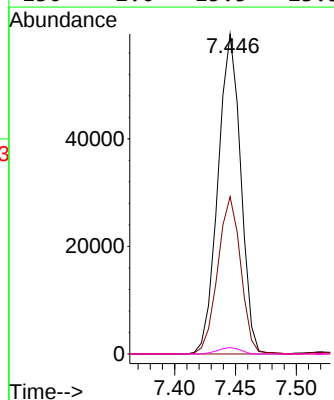
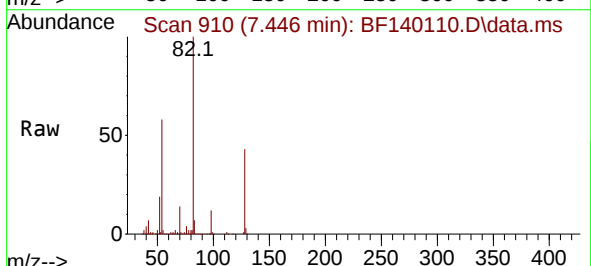
Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

Tgt Ion: 99 Resp: 886850
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.770 ng
RT: 7.446 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion: 70 Resp: 77331
Ion Ratio Lower Upper
70 100
42 49.1 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



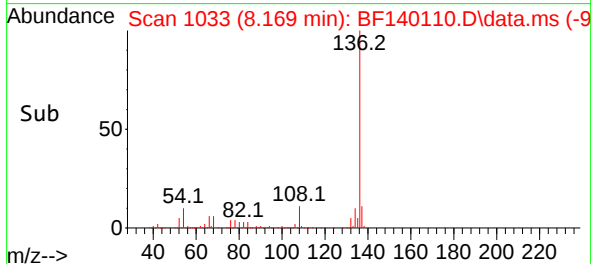
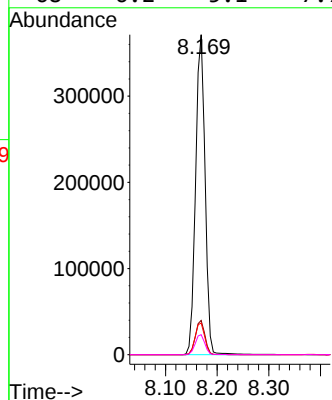
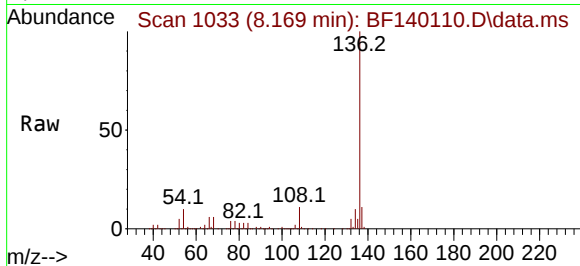


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

Tgt Ion:136 Resp: 473213

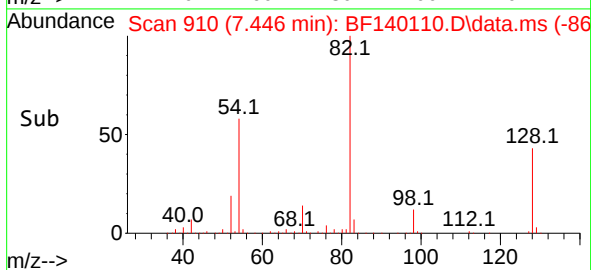
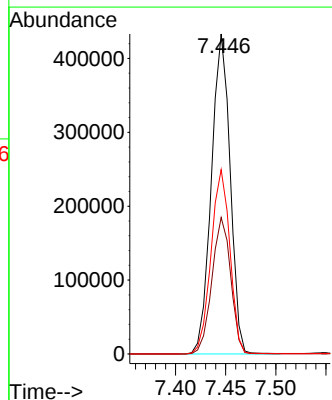
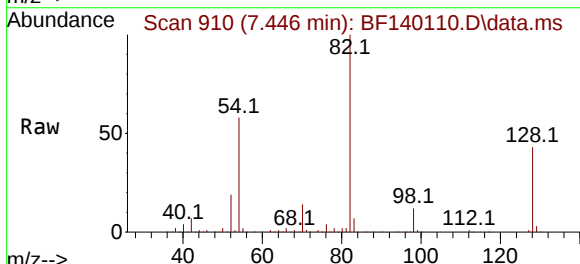
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.9	8.4	12.6
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 66.162 ng
RT: 7.446 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion: 82 Resp: 564898

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	57.6	47.8	71.8

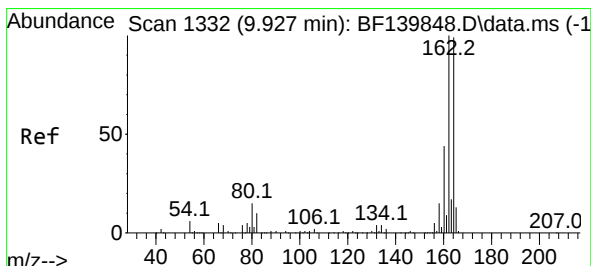
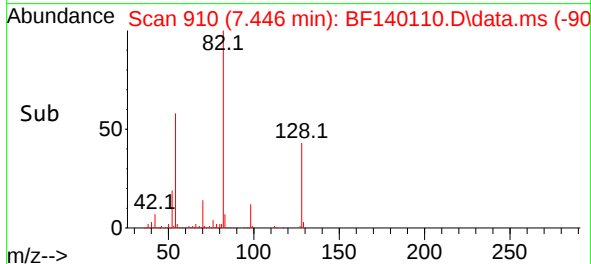
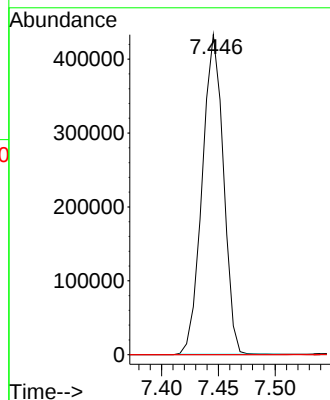
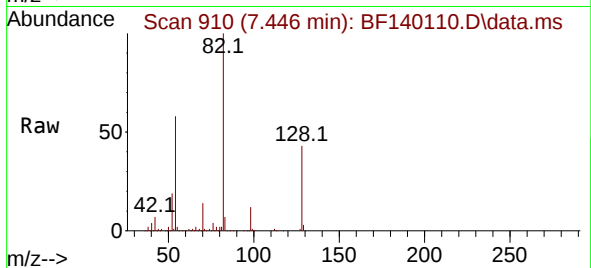




#25
Isophorone
Concen: 34.615 ng
RT: 7.446 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

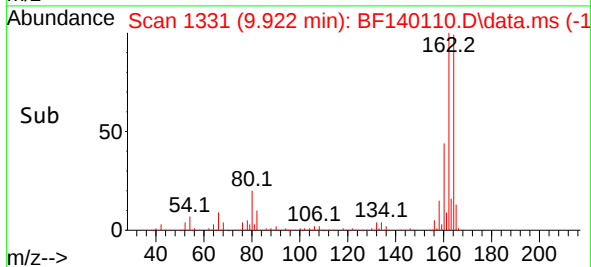
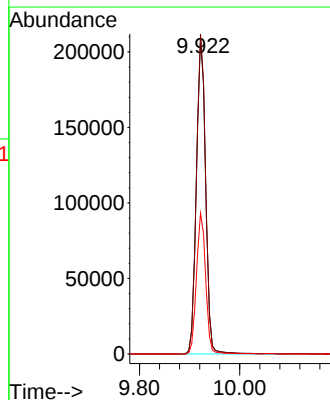
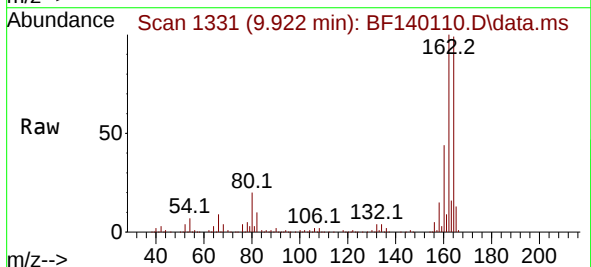
Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

Tgt Ion: 82 Resp: 560952
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: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion:164 Resp: 267166
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 102.352 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140110.D

Acq: 29 Oct 2024 14:16

Instrument :

BNA_F

ClientSampleId :

WB-305-BOT

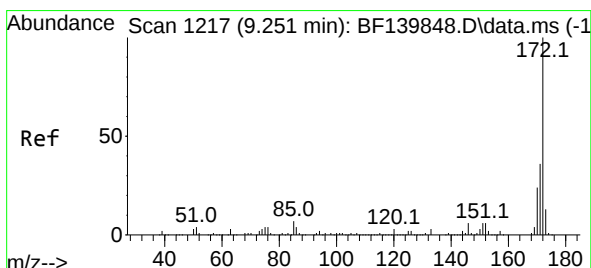
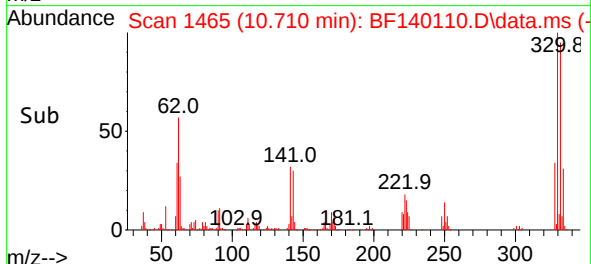
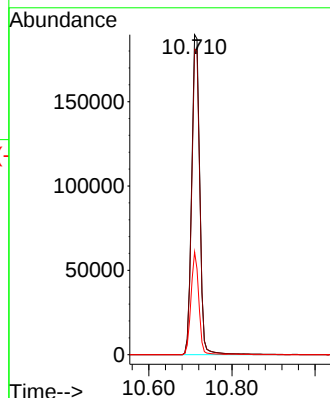
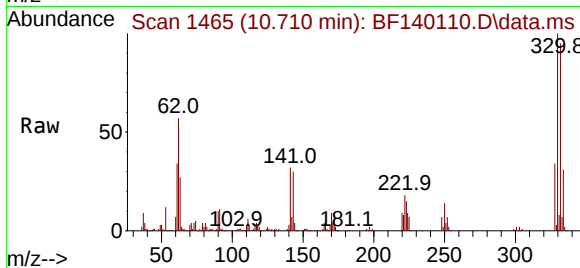
Tgt Ion:330 Resp: 255776

Ion Ratio Lower Upper

330 100

332 96.3 78.1 117.1

141 30.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 66.103 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140110.D

Acq: 29 Oct 2024 14:16

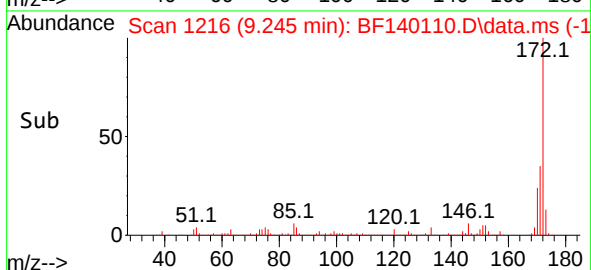
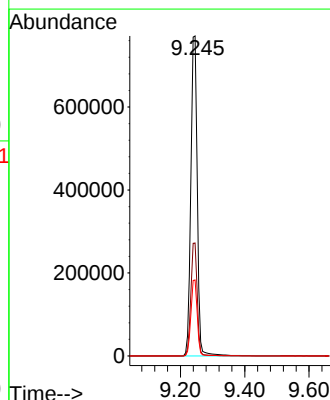
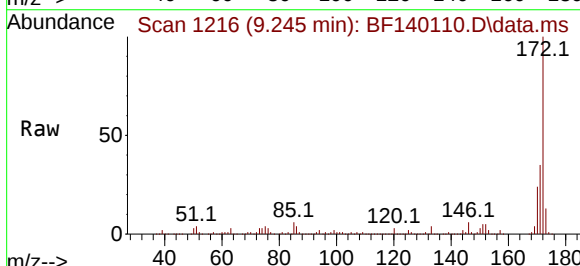
Tgt Ion:172 Resp: 1068584

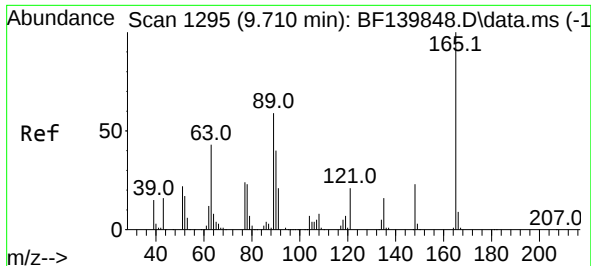
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.7 19.1 28.7

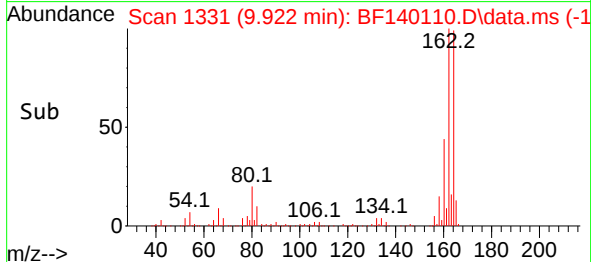
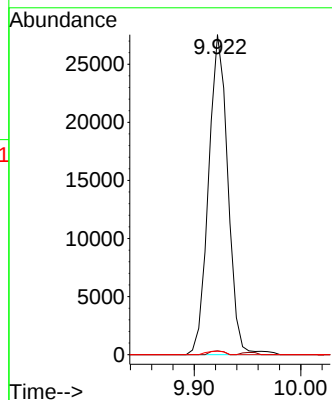
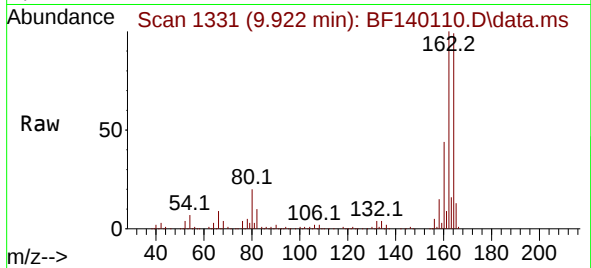




#51
2,6-Dinitrotoluene
Concen: 9.668 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

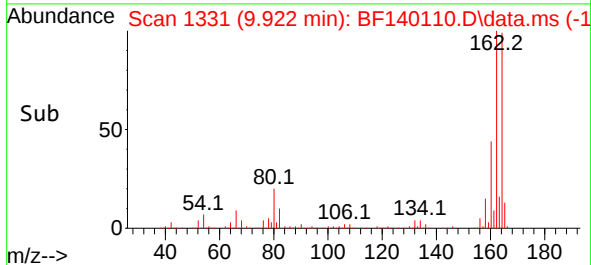
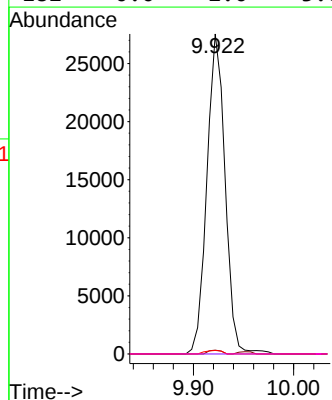
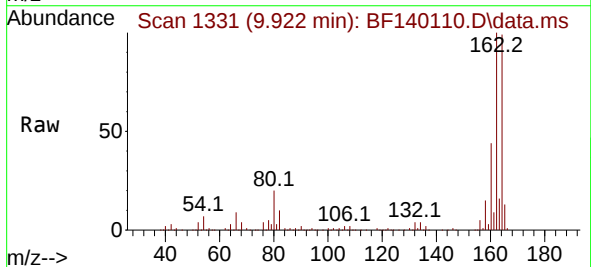
Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

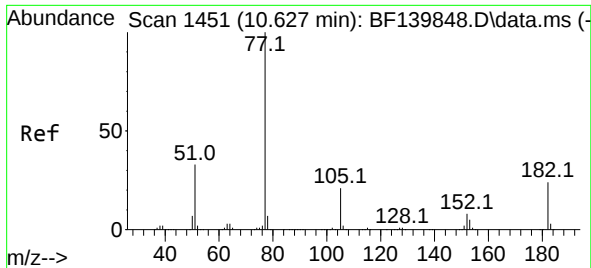
Tgt Ion:165 Resp: 34834
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.862 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion:165 Resp: 34835
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#

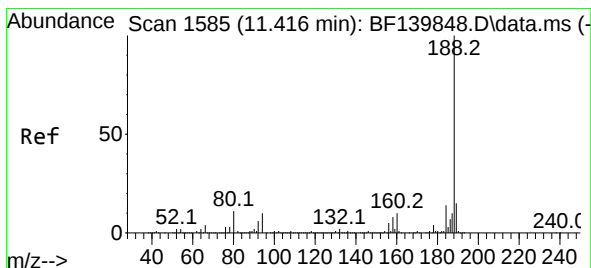
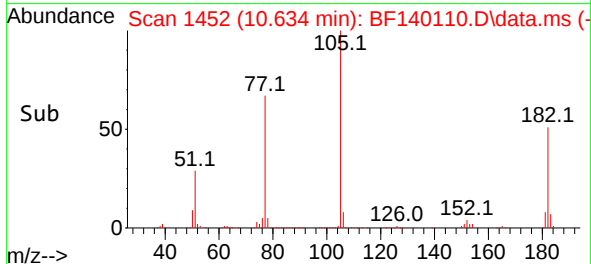
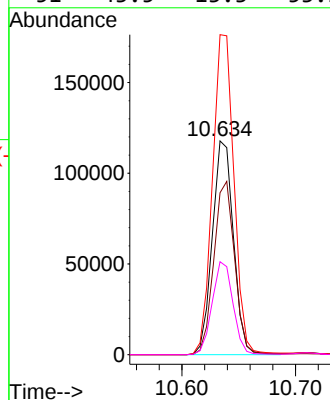
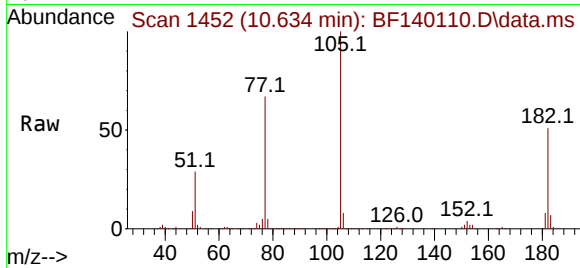




#63
Azobenzene
Concen: 8.810 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

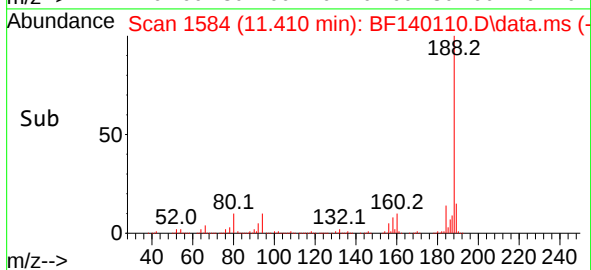
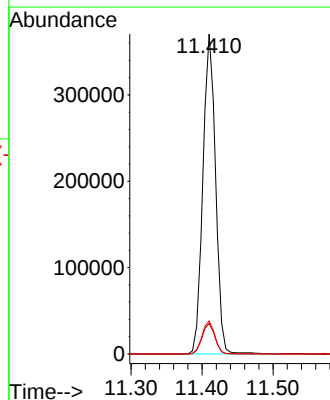
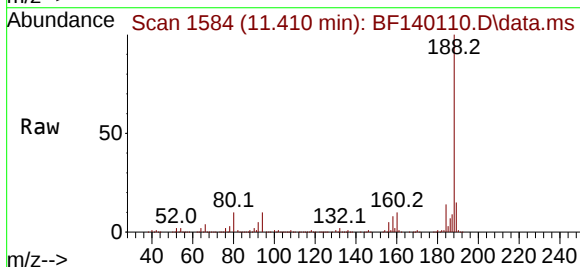
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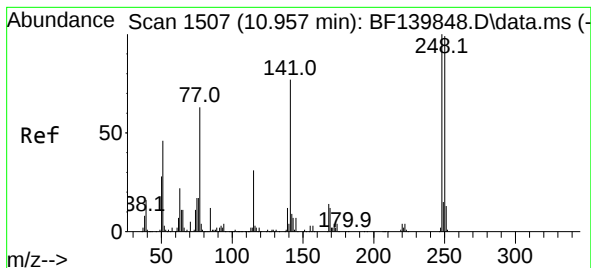
Tgt Ion: 77 Resp: 152616
Ion Ratio Lower Upper
77 100
182 75.8 3.3 43.3#
105 149.7 1.2 41.2#
51 43.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion: 188 Resp: 461039
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.3 9.0 13.4

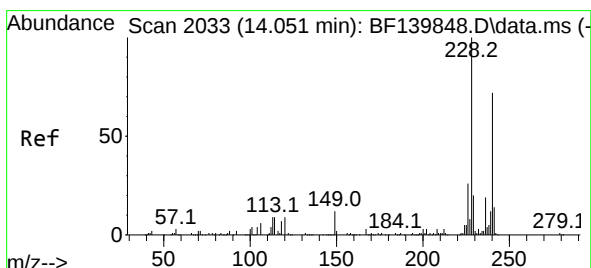
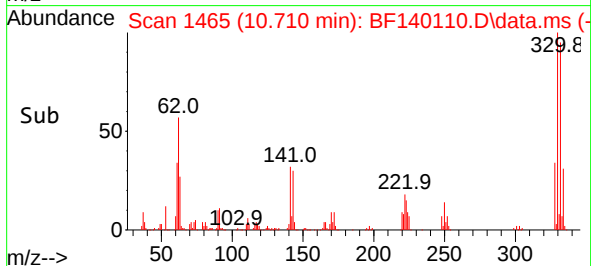
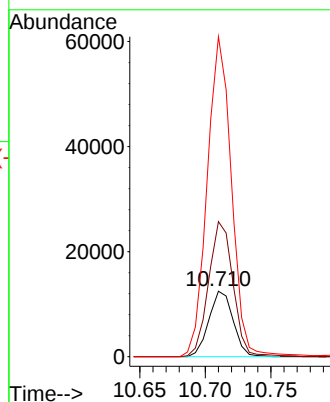
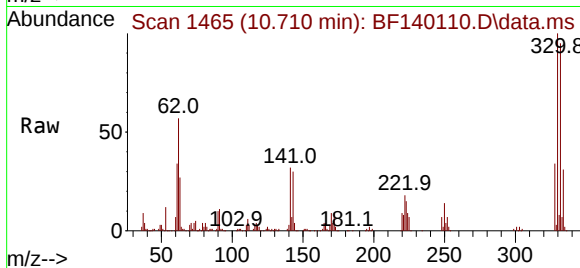




#67
4-Bromophenyl-phenylether
Concen: 3.383 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

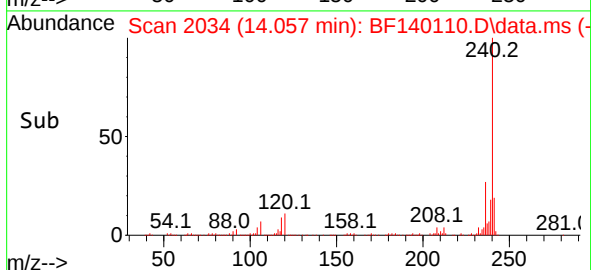
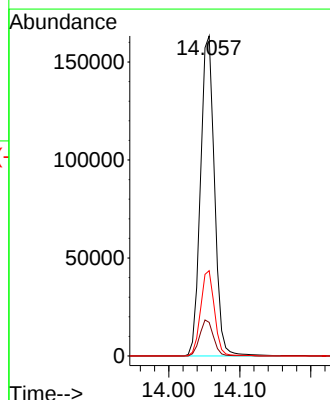
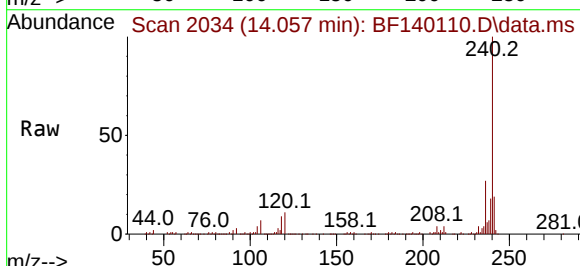
Instrument :
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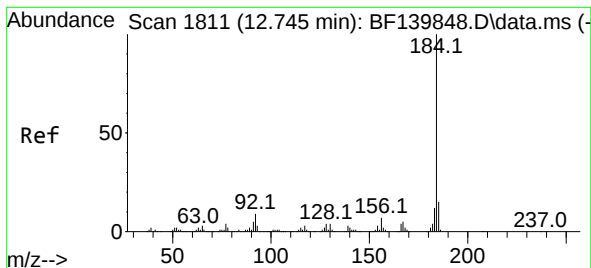
Tgt Ion:248 Resp: 16066
Ion Ratio Lower Upper
248 100
250 206.3 79.0 118.6#
141 488.9 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Tgt Ion:240 Resp: 224689
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 26.7 20.9 31.3





#77

Benzidine

Concen: 3.489 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140110.D

Acq: 29 Oct 2024 14:16

Instrument :

BNA_F

ClientSampleId :

WB-305-BOT

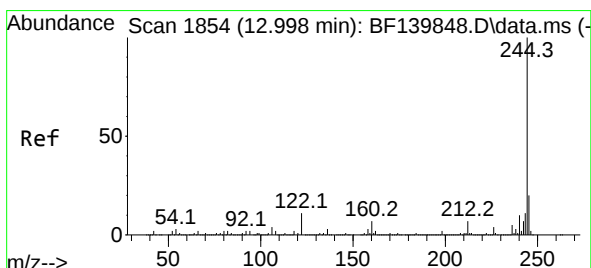
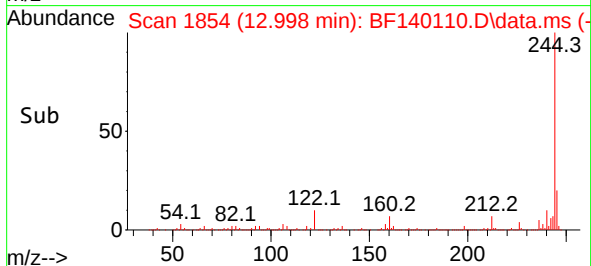
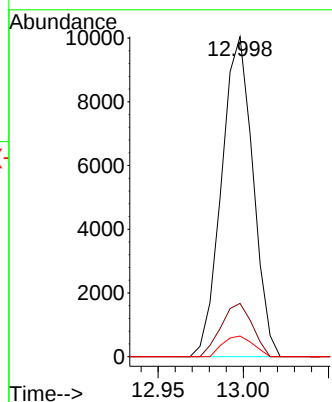
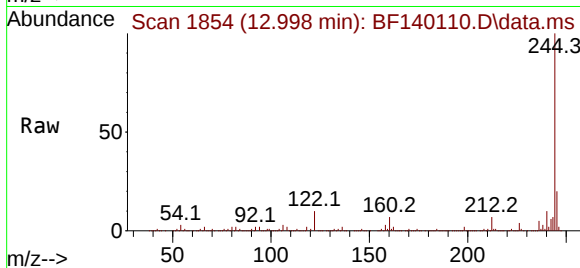
Tgt Ion:184 Resp: 12890

Ion Ratio Lower Upper

184 100

185 16.7 12.0 18.0

183 6.4 9.4 14.2#



#79

Terphenyl-d14

Concen: 70.904 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140110.D

Acq: 29 Oct 2024 14:16

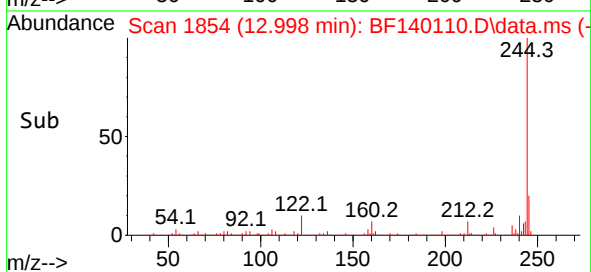
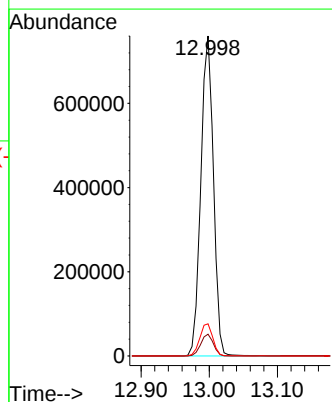
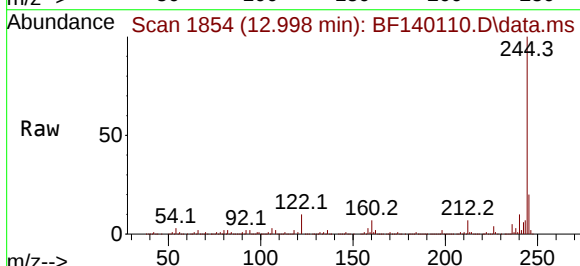
Tgt Ion:244 Resp: 977691

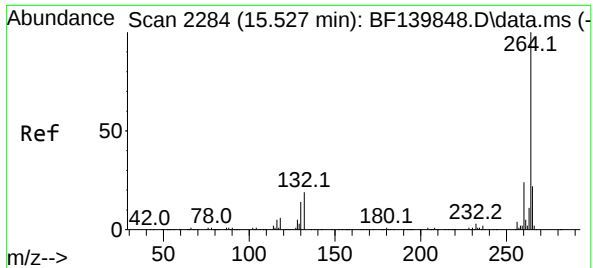
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.1 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140110.D
Acq: 29 Oct 2024 14:16

Instrument :
BNA_F
ClientSampleId :
WB-305-BOT

Tgt Ion:264 Resp: 271519
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.8 17.4 26.0

