

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111124\
 Data File : BF140329.D
 Acq On : 11 Nov 2024 20:36
 Operator : RC/JU
 Sample : P4798-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6

Quant Time: Nov 12 00:46:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 00:05:37 2024
 Response via : Initial Calibration

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

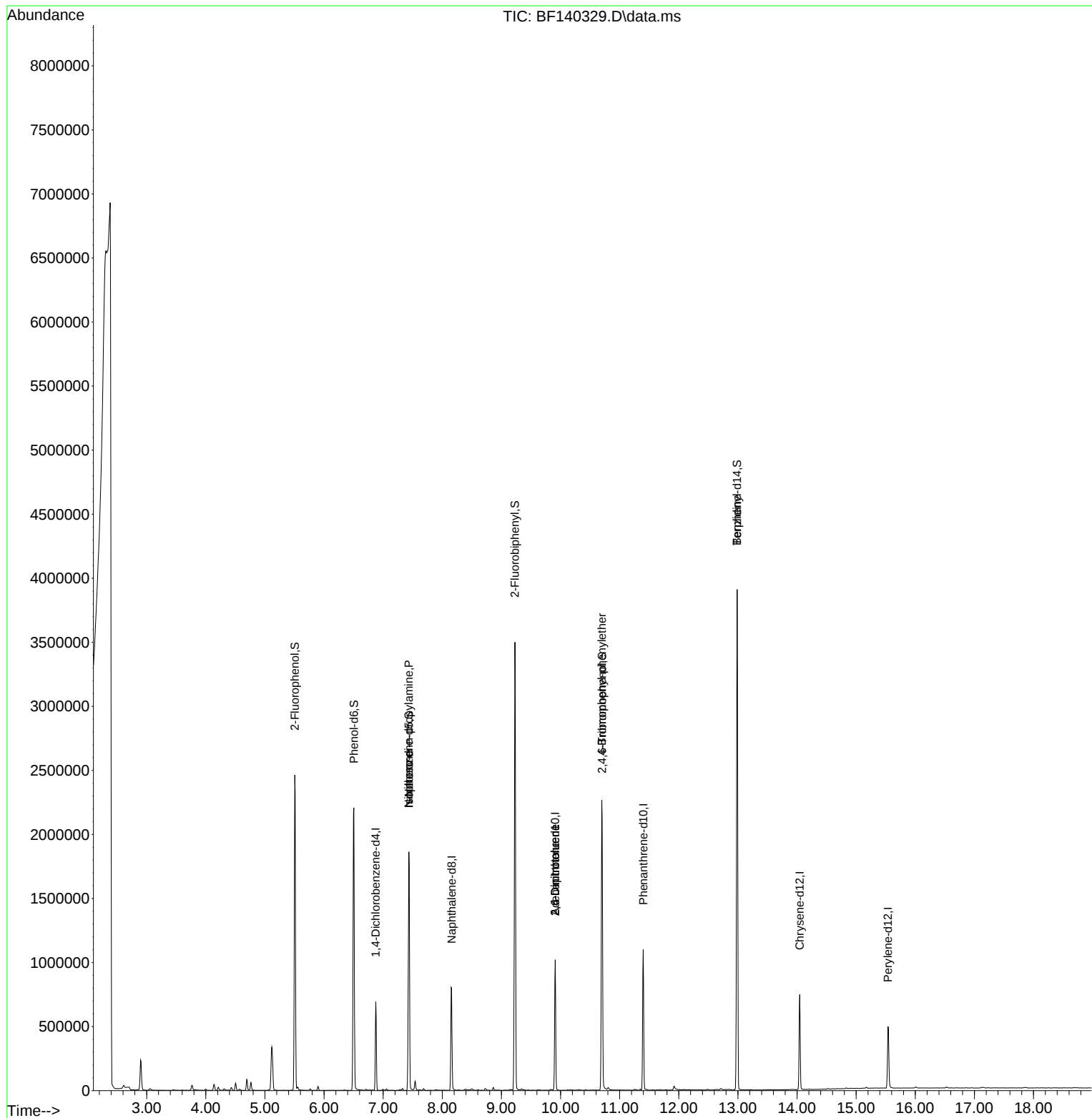
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	141420	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	538681	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	302135	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	572511	20.000	ng	0.00
76) Chrysene-d12	14.045	240	354028	20.000	ng	-0.01
86) Perylene-d12	15.539	264	289024	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	943314	115.241	ng	0.01
7) Phenol-d6	6.504	99	1122576	103.207	ng	0.00
23) Nitrobenzene-d5	7.434	82	902224	86.949	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	403287	137.393	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1598005	83.503	ng	0.00
79) Terphenyl-d14	12.986	244	1961701	95.015	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	123674	18.670	ng	# 78
25) Isophorone	7.434	82	893409	49.428	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	39229	8.885	ng	# 20
57) 2,4-Dinitrotoluene	9.910	165	39229	6.747	ng	# 19
67) 4-Bromophenyl-phenylether	10.698	248	25605	4.464	ng	# 1
77) Benzidine	12.986	184	27786	2.240	ng	# 93

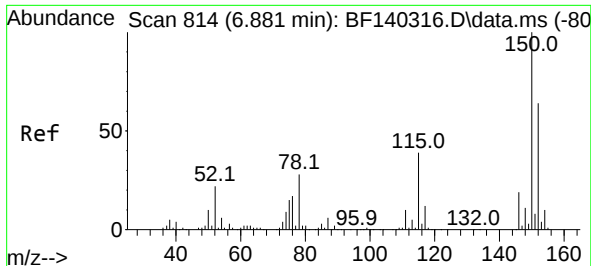
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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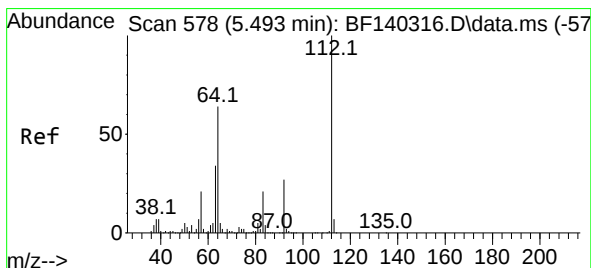
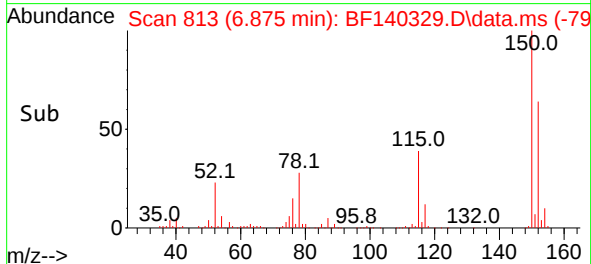
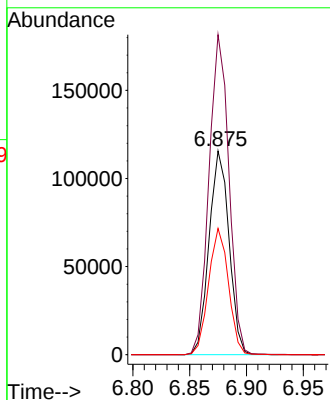
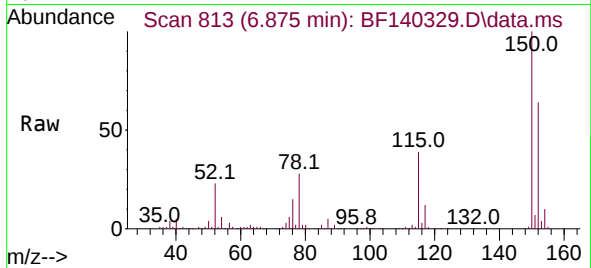




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36

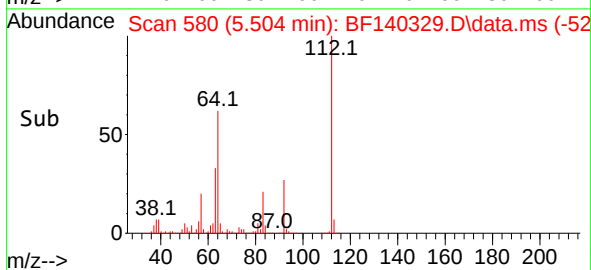
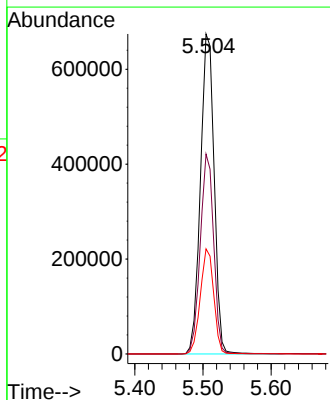
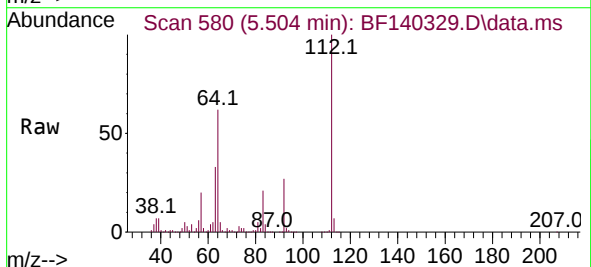
Instrument :
BNA_F
ClientSampleId :
MH-6

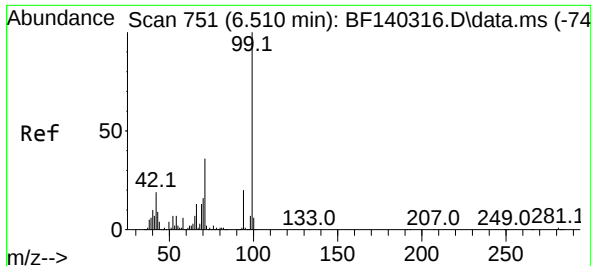
Tgt Ion:152 Resp: 141420
Ion Ratio Lower Upper
152 100
150 157.1 127.1 190.7
115 62.0 49.4 74.0



#5
2-Fluorophenol
Concen: 115.241 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36

Tgt Ion:112 Resp: 943314
Ion Ratio Lower Upper
112 100
64 62.5 51.0 76.6
63 32.8 26.9 40.3





#7

Phenol-d6

Concen: 103.207 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Instrument :

BNA_F

ClientSampleId :

MH-6

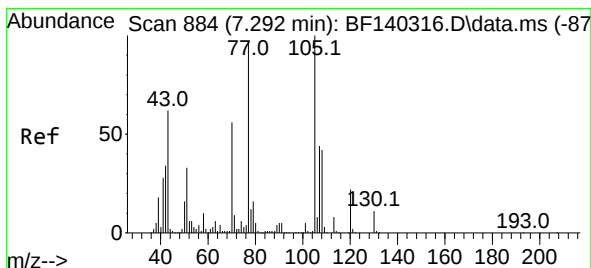
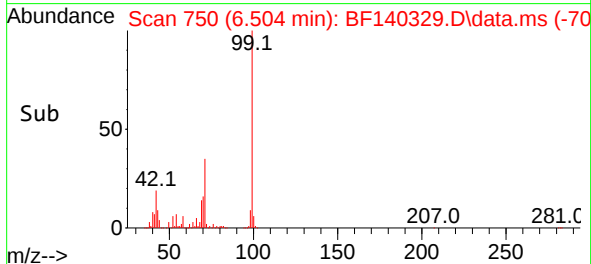
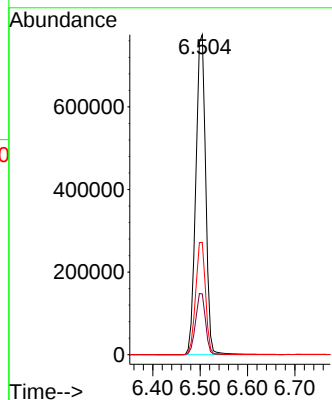
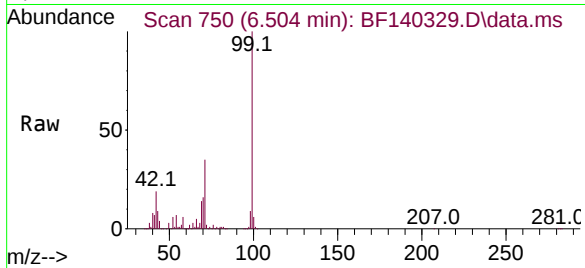
Tgt Ion: 99 Resp: 1122576

Ion Ratio Lower Upper

99 100

42 19.0 15.5 23.3

71 35.1 28.8 43.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.670 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.141 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Tgt Ion: 70 Resp: 123674

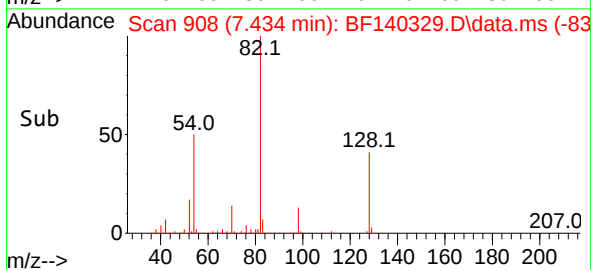
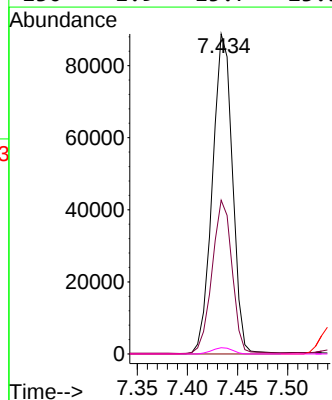
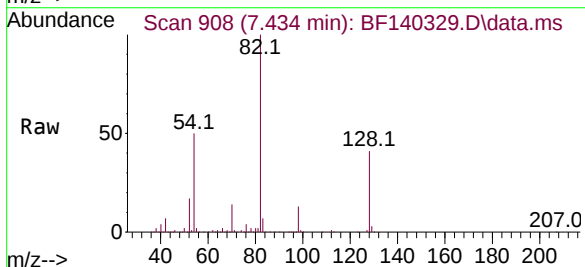
Ion Ratio Lower Upper

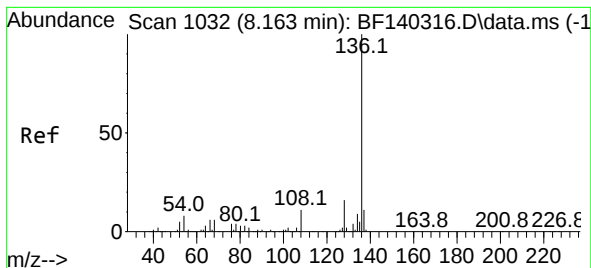
70 100

42 48.1 48.0 72.0

101 0.0 7.4 11.0#

130 1.9 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Instrument :

BNA_F

ClientSampleId :

MH-6

Tgt Ion:136 Resp: 538681

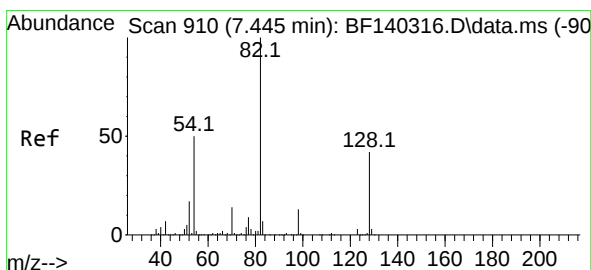
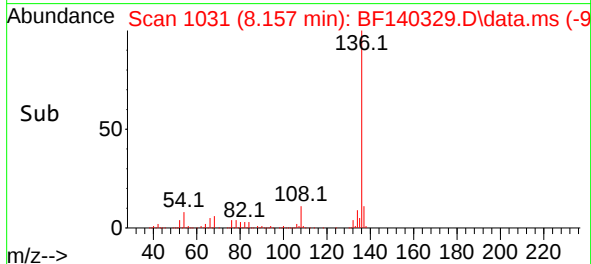
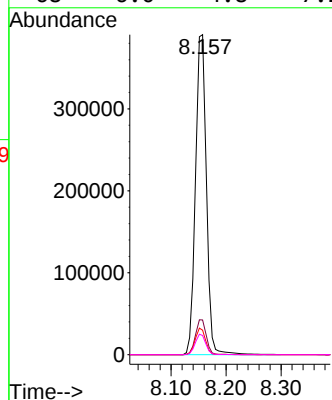
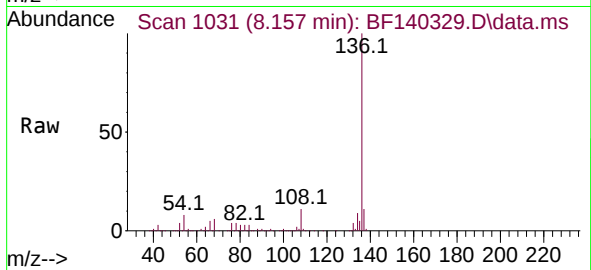
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 7.7 6.2 9.2

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 86.949 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

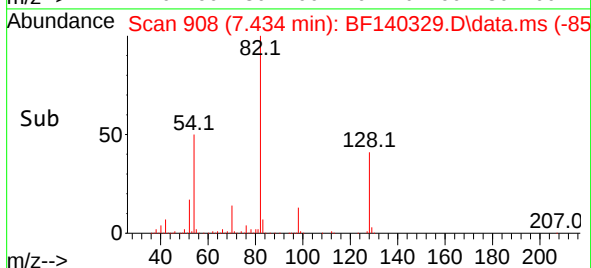
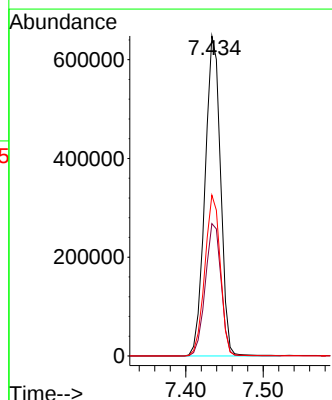
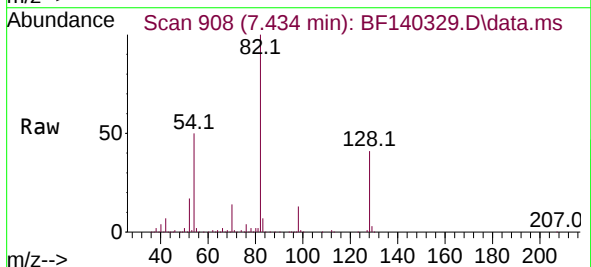
Tgt Ion: 82 Resp: 902224

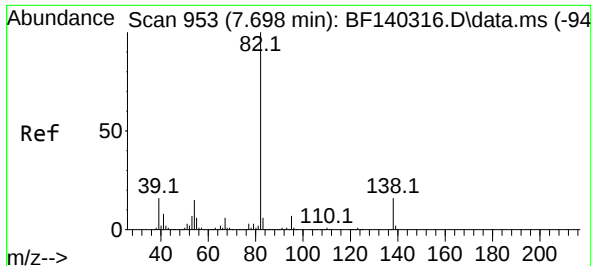
Ion Ratio Lower Upper

82 100

128 41.3 33.8 50.6

54 50.3 40.0 60.0

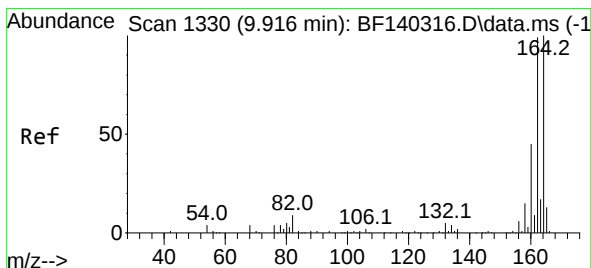
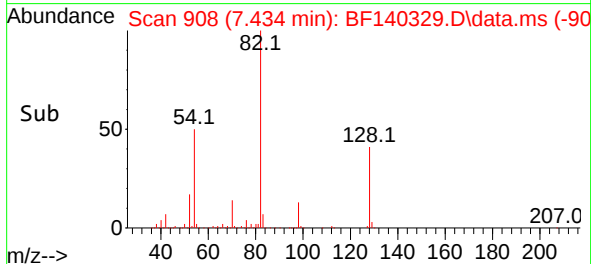
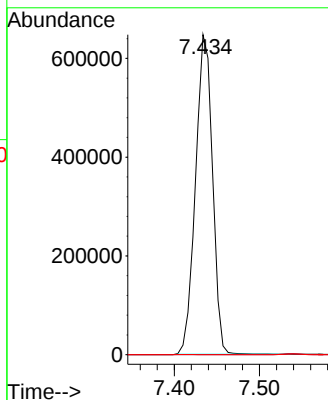
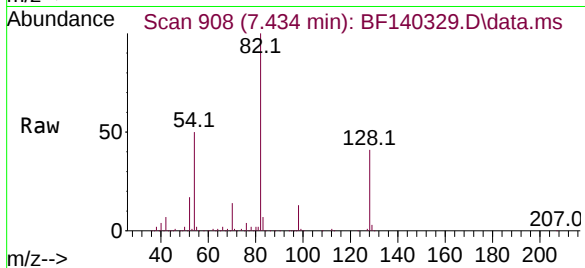




#25
Isophorone
Concen: 49.428 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36

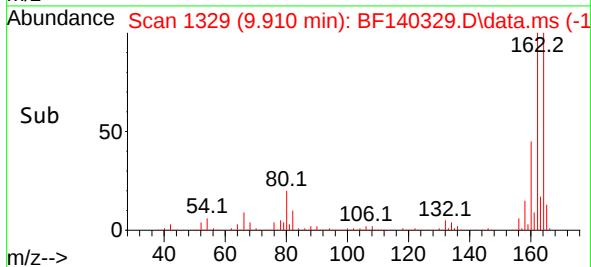
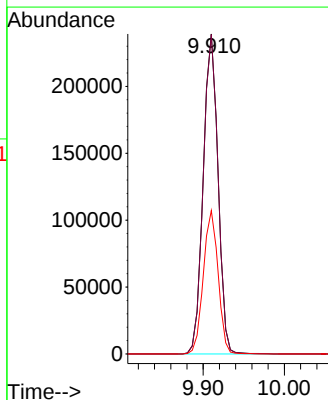
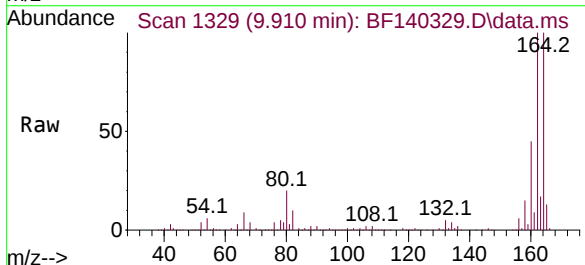
Instrument :
BNA_F
ClientSampleId :
MH-6

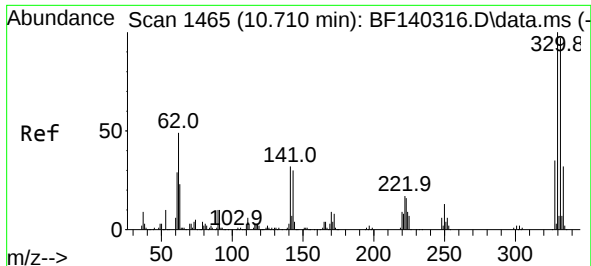
Tgt Ion: 82 Resp: 893409
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36

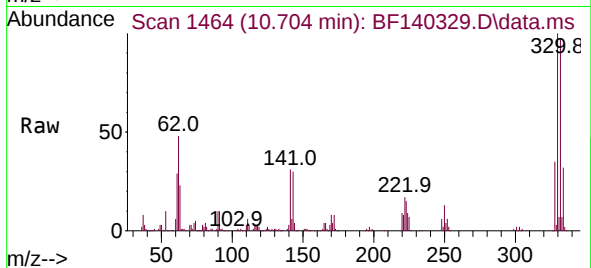
Tgt Ion:164 Resp: 302135
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 44.8 35.6 53.4



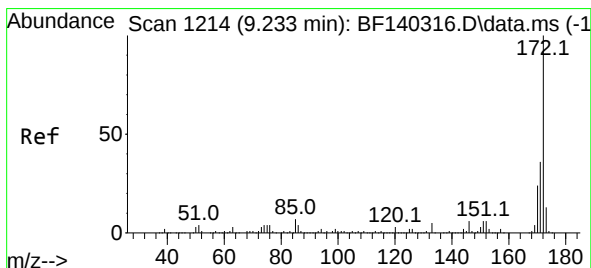
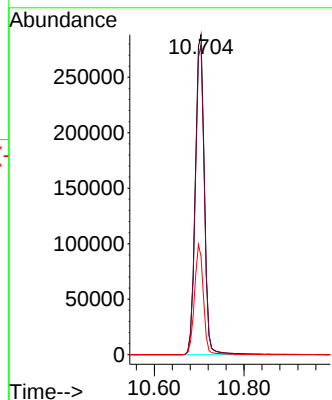
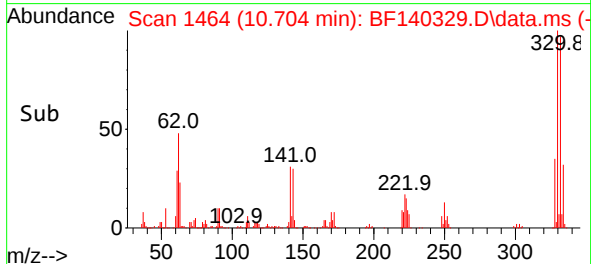


#42
2,4,6-Tribromophenol
Concen: 137.393 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36

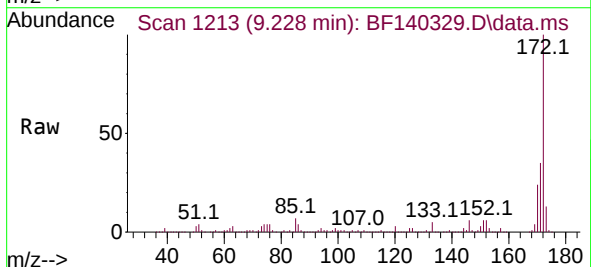
Instrument :
BNA_F
ClientSampleId :
MH-6



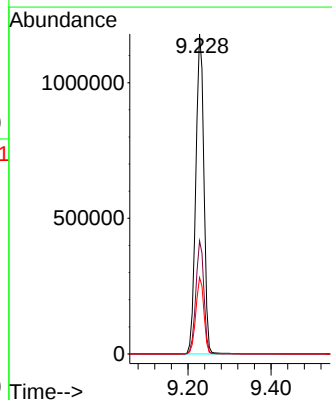
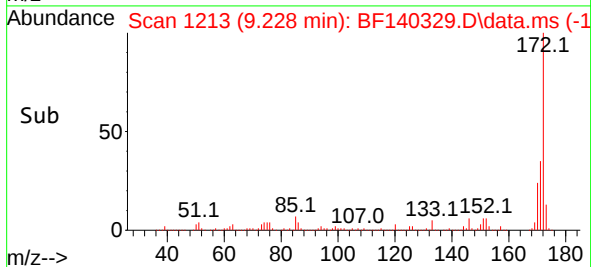
Tgt Ion:330 Resp: 403287
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 33.8 28.3 42.5

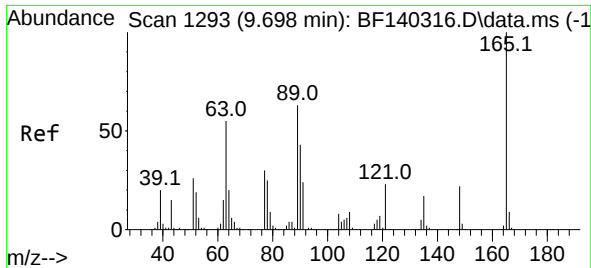


#45
2-Fluorobiphenyl
Concen: 83.503 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140329.D
Acq: 11 Nov 2024 20:36



Tgt Ion:172 Resp: 1598005
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.8 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 8.885 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Instrument :

BNA_F

ClientSampleId :

MH-6

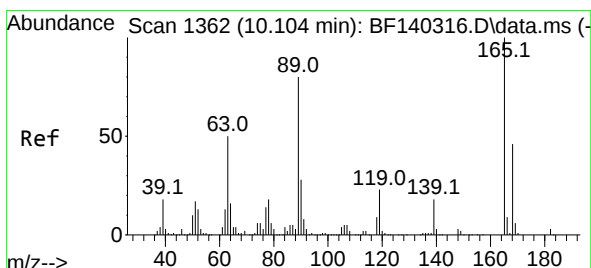
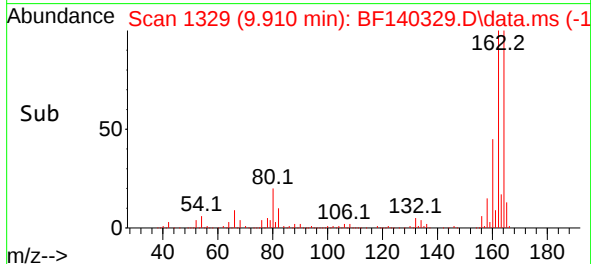
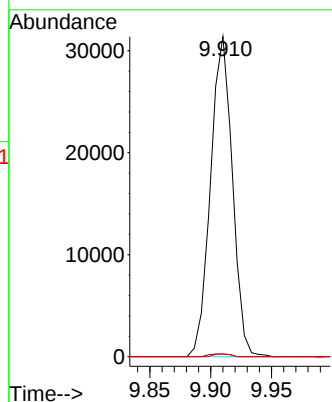
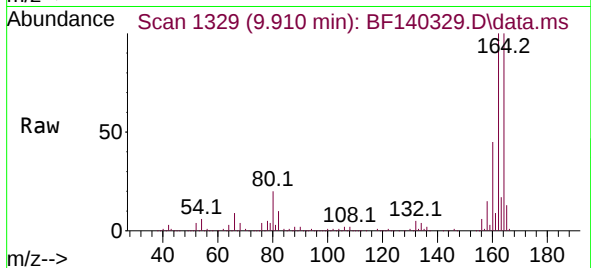
Tgt Ion:165 Resp: 39229

Ion Ratio Lower Upper

165 100

63 0.8 50.7 76.1#

89 0.8 50.4 75.6#



#57

2,4-Dinitrotoluene

Concen: 6.747 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Tgt Ion:165 Resp: 39229

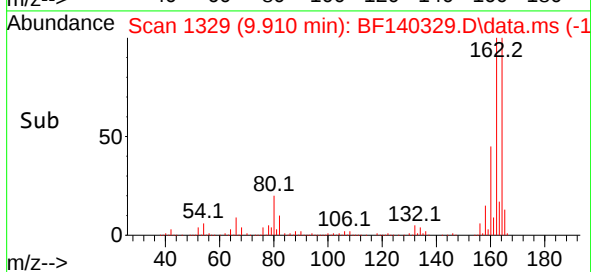
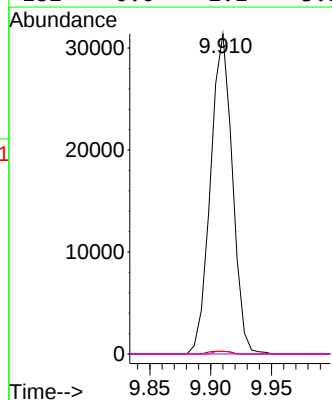
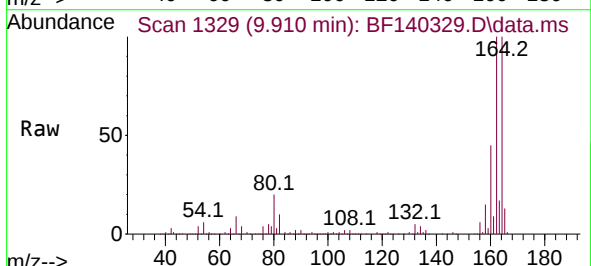
Ion Ratio Lower Upper

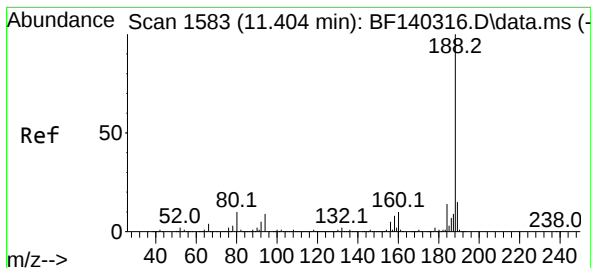
165 100

63 0.8 40.6 60.8#

89 0.8 63.8 95.8#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

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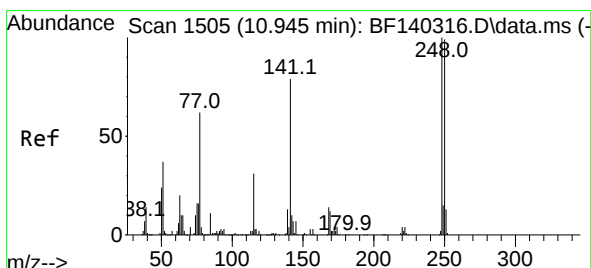
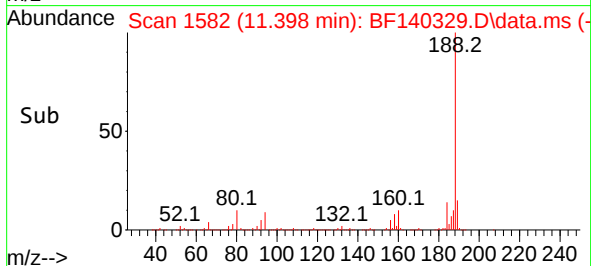
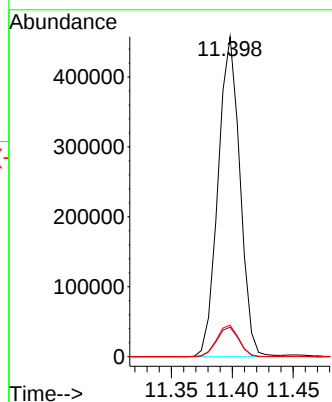
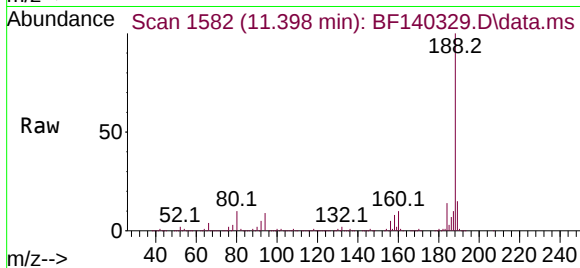
Tgt Ion:188 Resp: 572511

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

80 9.8 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.464 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

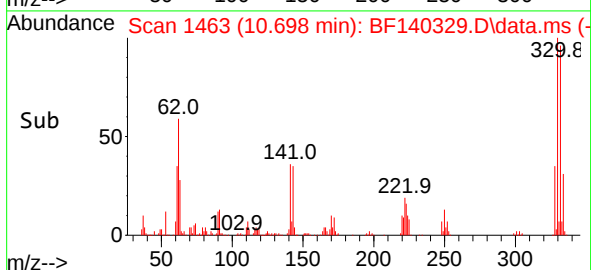
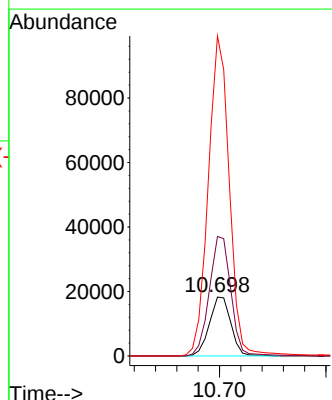
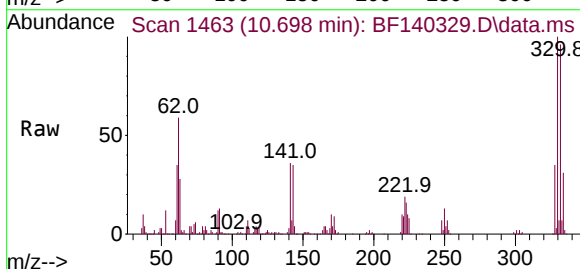
Tgt Ion:248 Resp: 25605

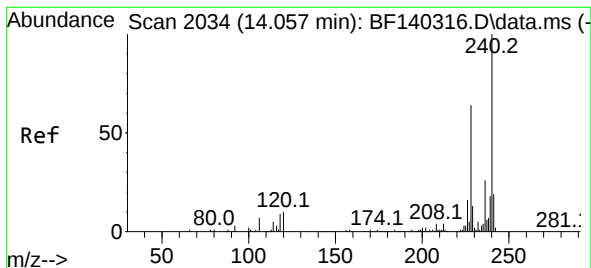
Ion Ratio Lower Upper

248 100

250 203.2 79.1 118.7#

141 543.9 63.5 95.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Instrument :

BNA_F

ClientSampleId :

MH-6

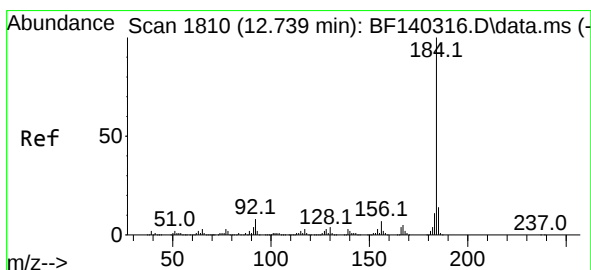
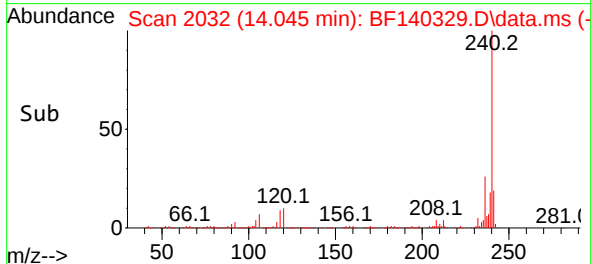
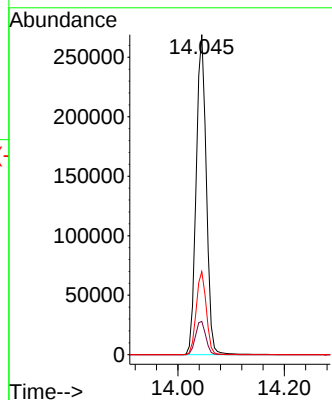
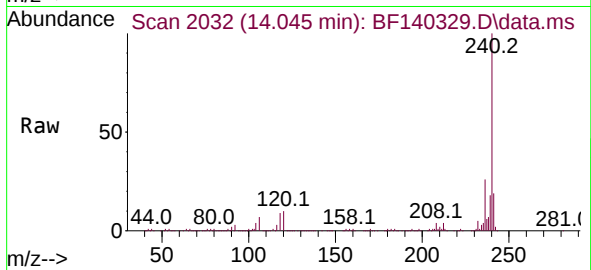
Tgt Ion:240 Resp: 354028

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.4

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.240 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

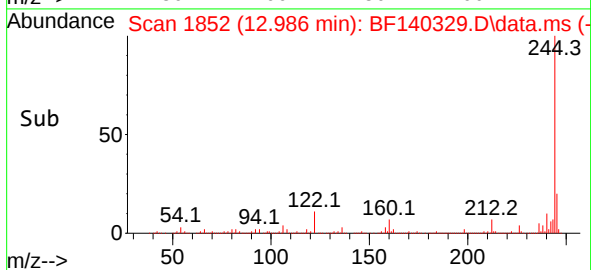
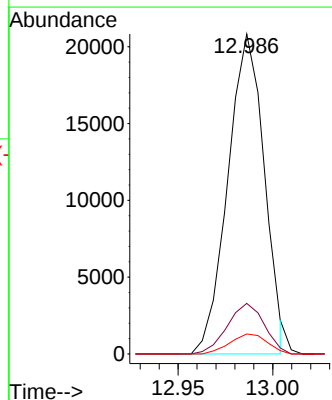
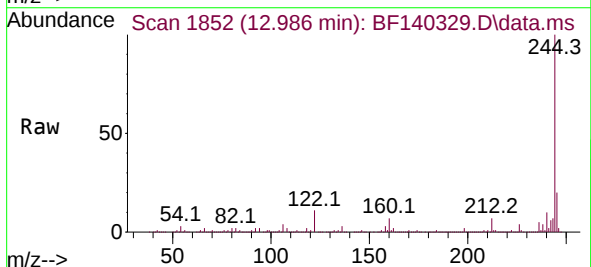
Tgt Ion:184 Resp: 27786

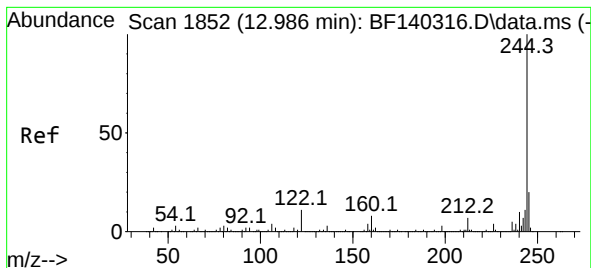
Ion Ratio Lower Upper

184 100

185 15.8 11.6 17.4

183 6.3 8.6 13.0#





#79

Terphenyl-d14

Concen: 95.015 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Instrument :

BNA_F

ClientSampleId :

MH-6

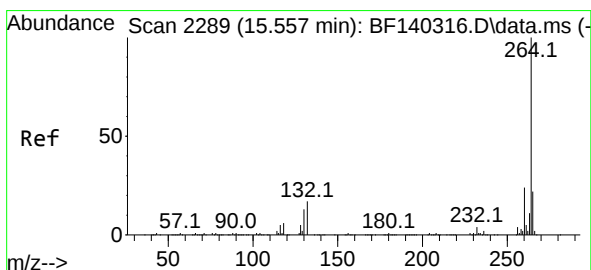
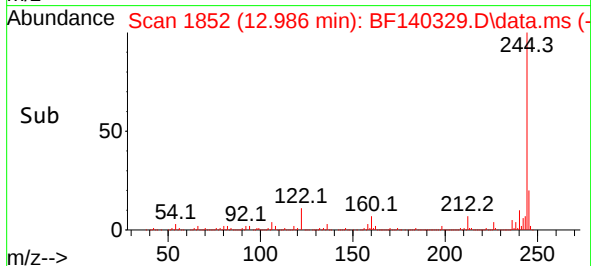
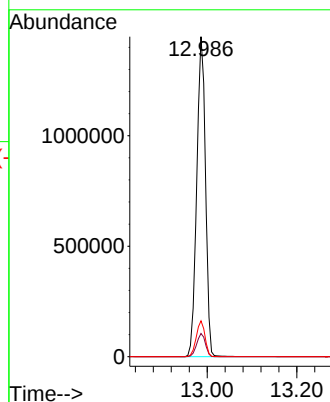
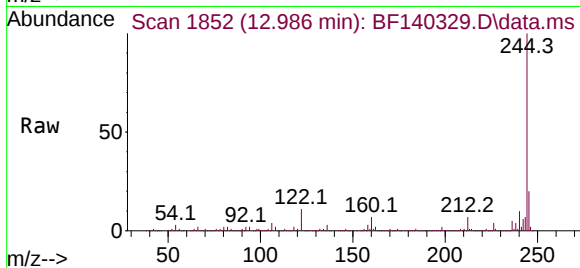
Tgt Ion:244 Resp: 1961701

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 11.2 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140329.D

Acq: 11 Nov 2024 20:36

Tgt Ion:264 Resp: 289024

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 21.4 17.6 26.4

