

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142783.D
 Acq On : 18 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2340-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP05-MH17A-WC

Quant Time: Jun 18 18:26:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

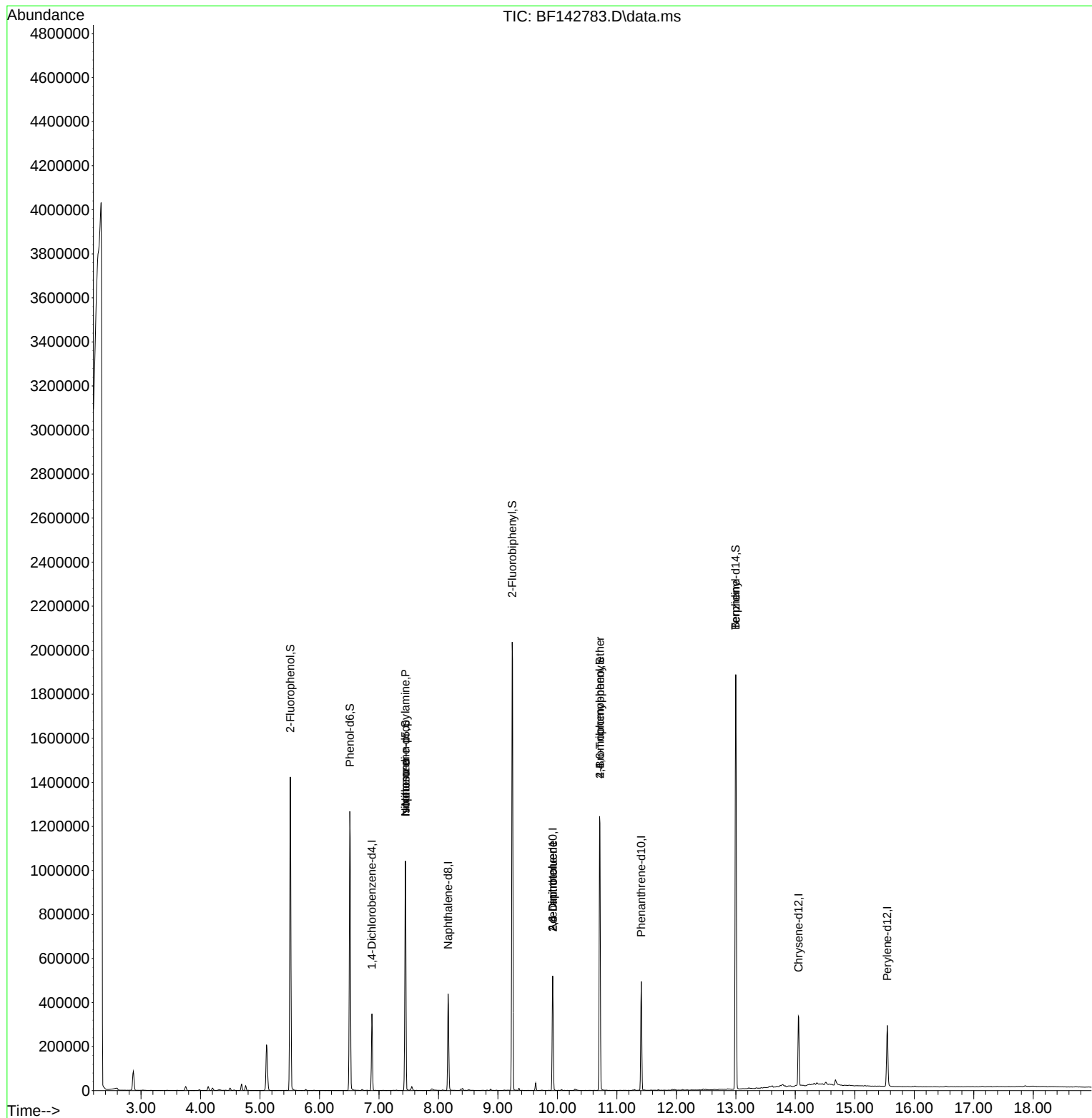
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74093	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	283404	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	152607	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	255309	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	160463	20.000	ng	-0.01
86) Perylene-d12	15.545	264	163173	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	551077	126.674	ng	0.00
7) Phenol-d6	6.510	99	602487	117.679	ng	-0.01
23) Nitrobenzene-d5	7.445	82	453937	87.659	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	225479	134.811	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	949494	82.660	ng	-0.02
79) Terphenyl-d14	12.998	244	922572	78.965	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	61025	18.723	ng	# 76
25) Isophorone	7.445	82	453932	51.772	ng	# 63
51) 2,6-Dinitrotoluene	9.922	165	19728	8.957	ng	# 29
57) 2,4-Dinitrotoluene	9.922	165	19728	6.775	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	14864	4.932	ng	# 1
77) Benzidine	12.998	184	12058	2.110	ng	96

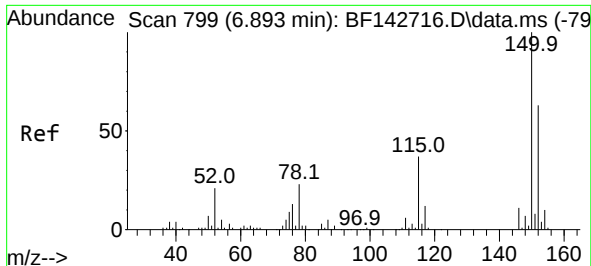
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
Data File : BF142783.D
Acq On : 18 Jun 2025 18:03
Operator : RC/JU
Sample : Q2340-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

Quant Time: Jun 18 18:26:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

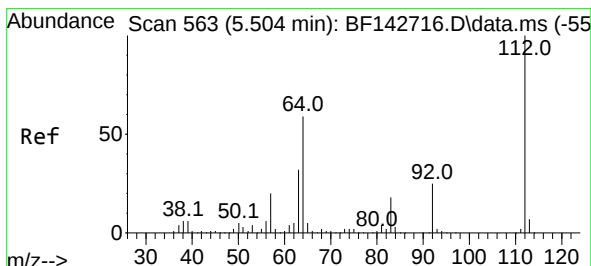
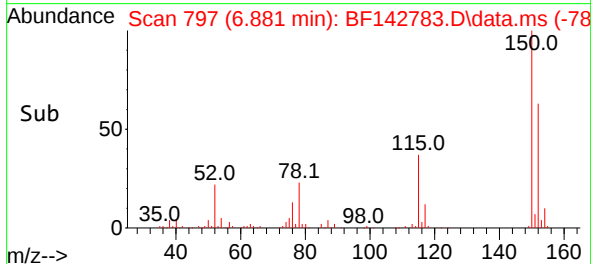
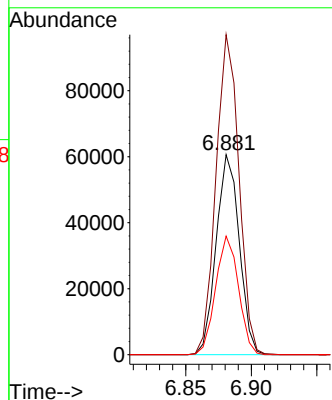
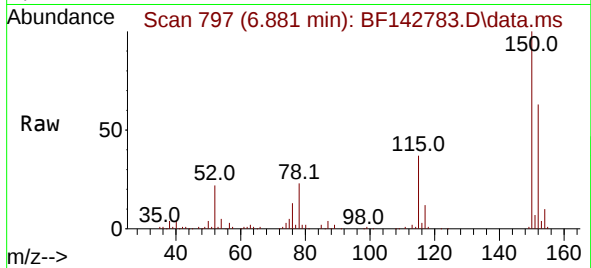




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

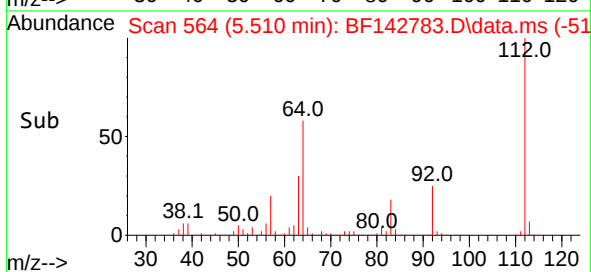
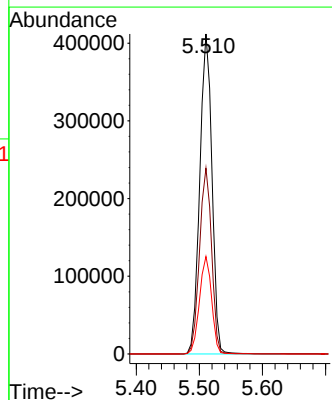
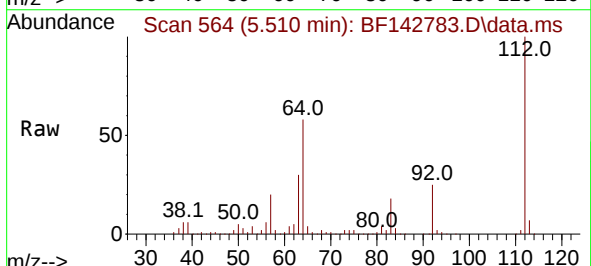
Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

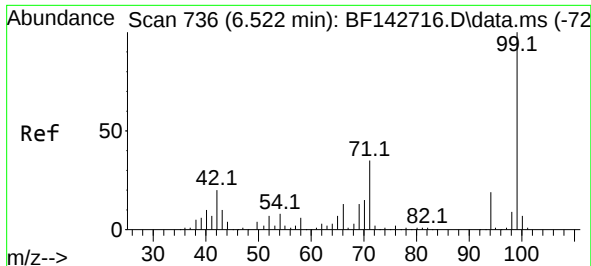
Tgt Ion:152 Resp: 74093
Ion Ratio Lower Upper
152 100
150 160.0 126.9 190.3
115 59.3 47.0 70.6



#5
2-Fluorophenol
Concen: 126.674 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Tgt Ion:112 Resp: 551077
Ion Ratio Lower Upper
112 100
64 58.1 47.4 71.2
63 30.4 25.4 38.0





#7

Phenol-d6

Concen: 117.679 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

TP05-MH17A-WC

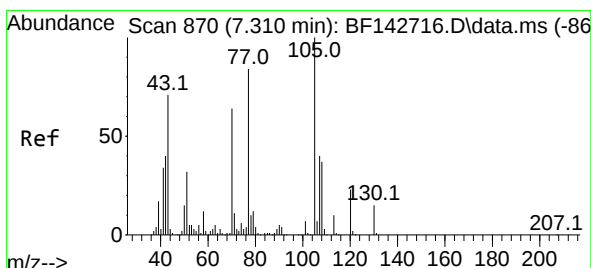
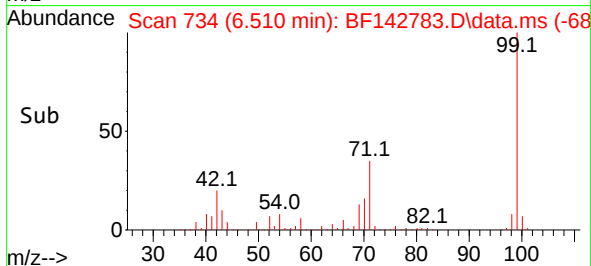
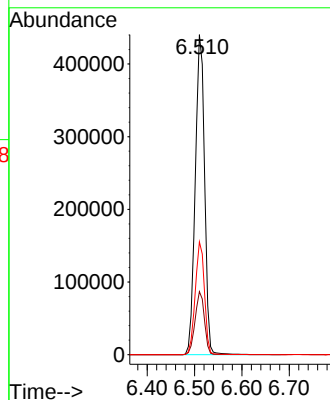
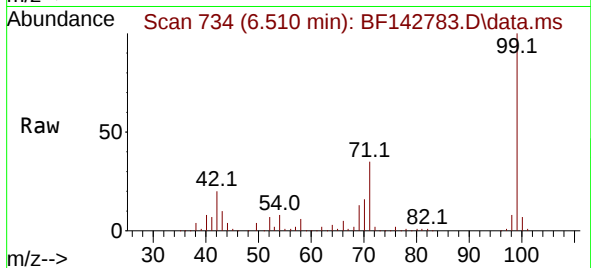
Tgt Ion: 99 Resp: 602487

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 35.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.723 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.135 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

Tgt Ion: 70 Resp: 61025

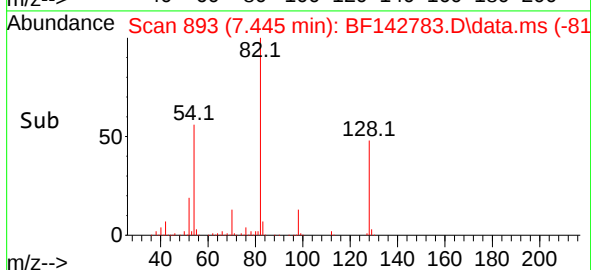
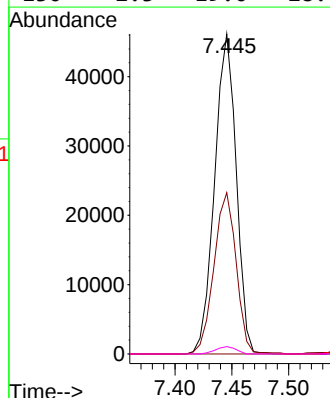
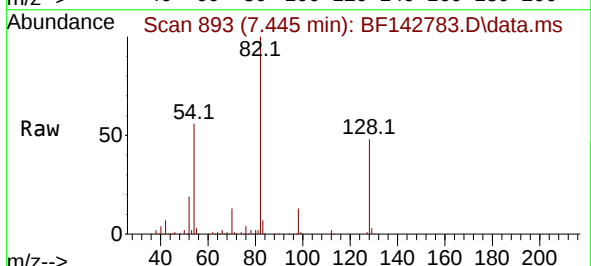
Ion Ratio Lower Upper

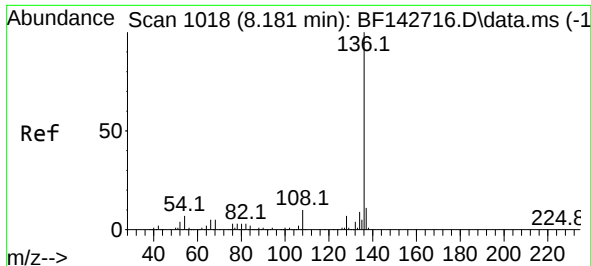
70 100

42 50.4 50.2 75.4

101 0.0 8.3 12.5#

130 2.3 19.0 28.6#



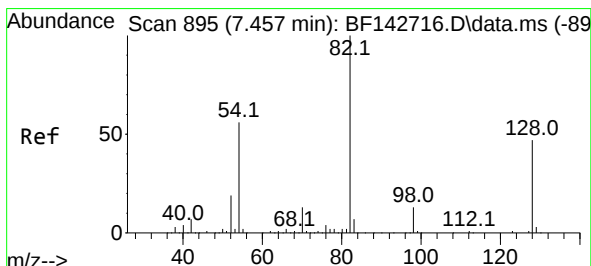
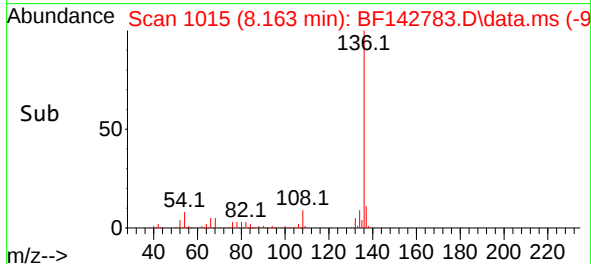
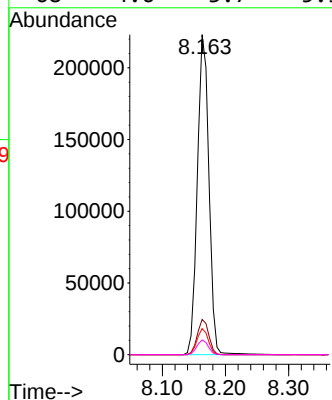
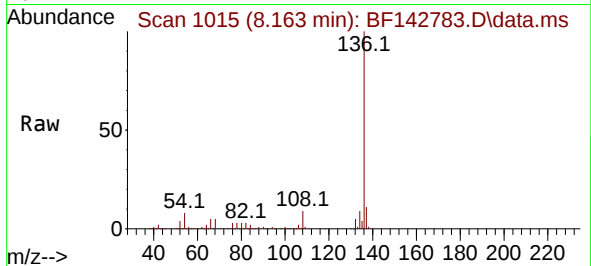


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

Tgt Ion:136 Resp: 283404

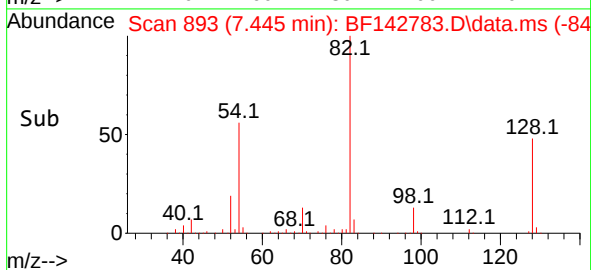
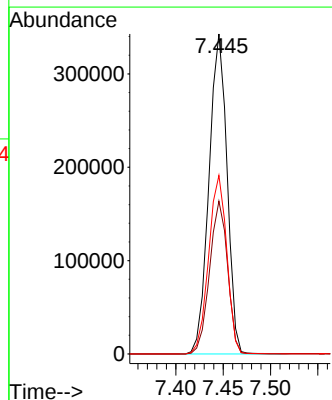
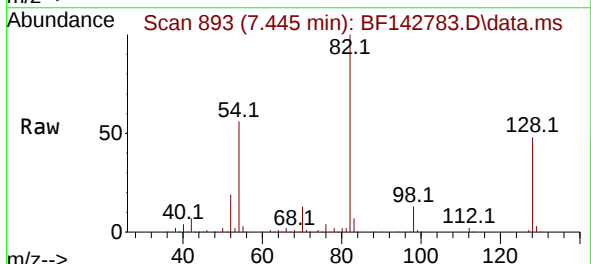
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.1	5.9	8.9
68	4.6	3.7	5.5

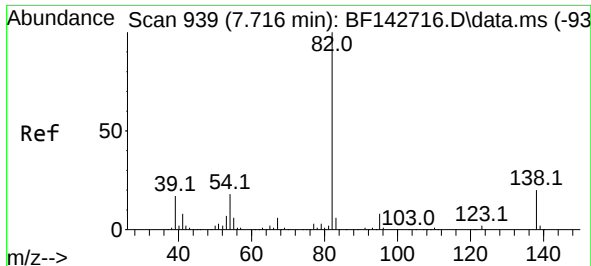


#23
Nitrobenzene-d5
Concen: 87.659 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Tgt Ion: 82 Resp: 453937

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.8	56.8
54	55.8	44.9	67.3

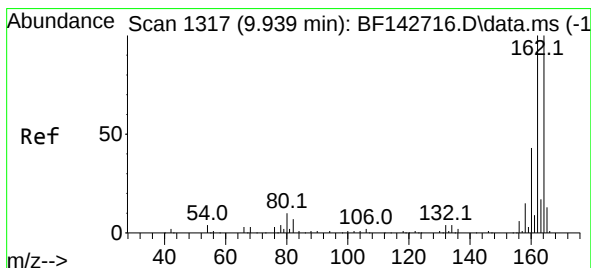
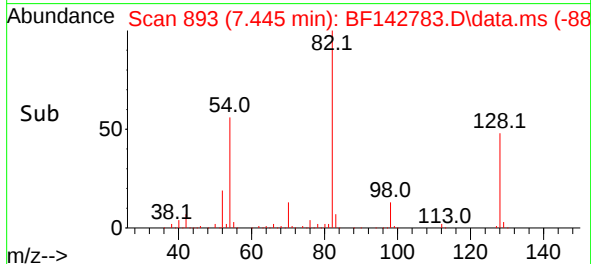
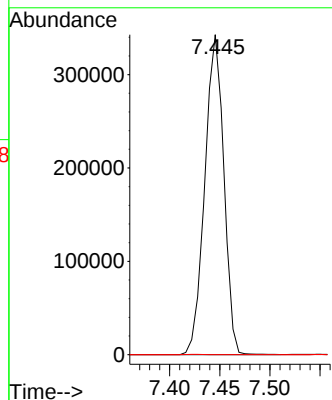
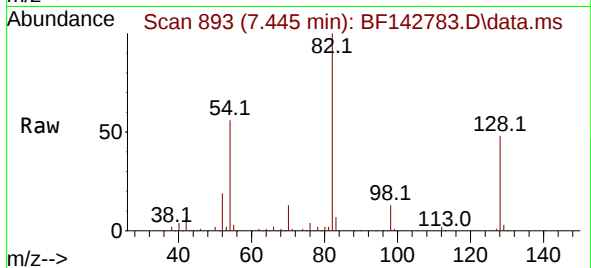




#25
Isophorone
Concen: 51.772 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

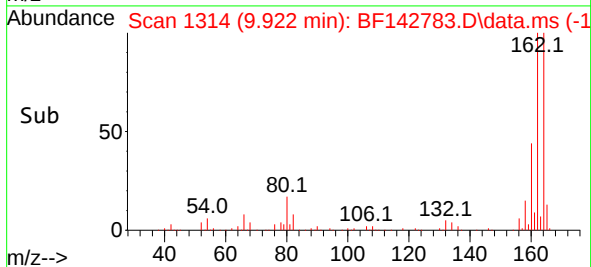
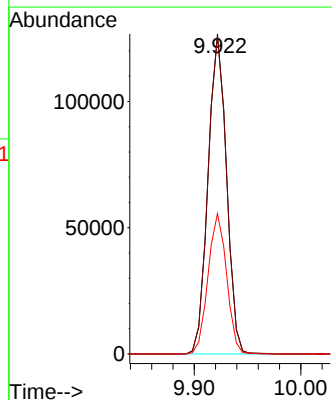
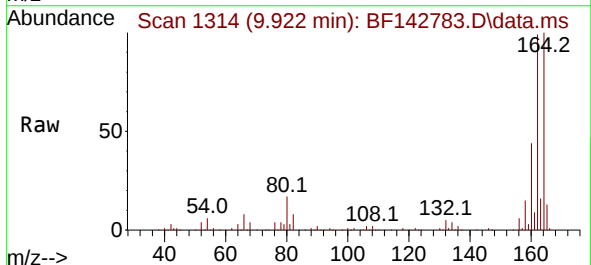
Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

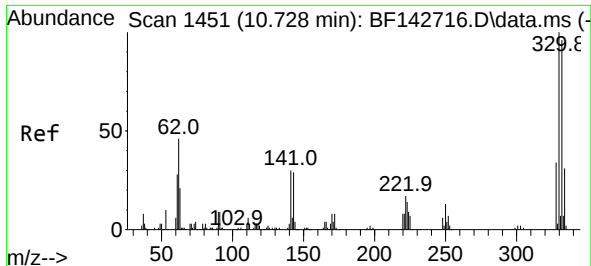
Tgt Ion: 82 Resp: 453932
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

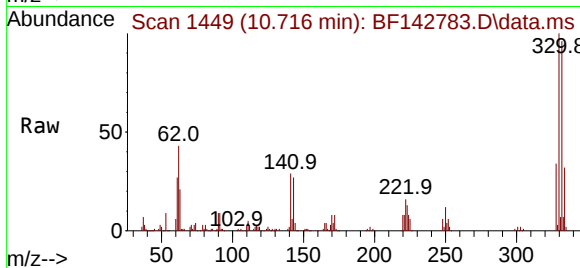
Tgt Ion:164 Resp: 152607
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 43.9 34.8 52.2



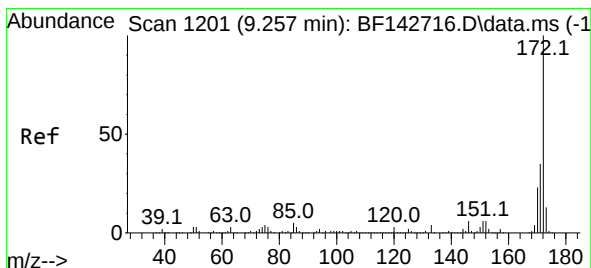
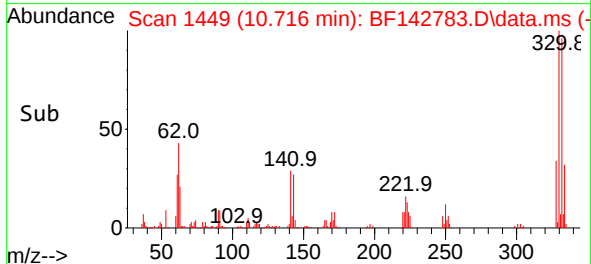
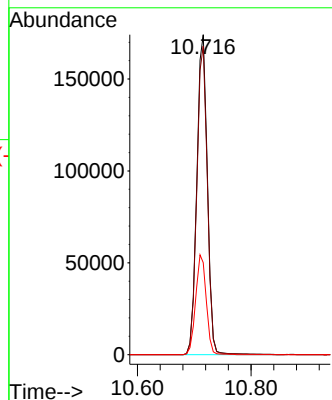


#42
2,4,6-Tribromophenol
Concen: 134.811 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

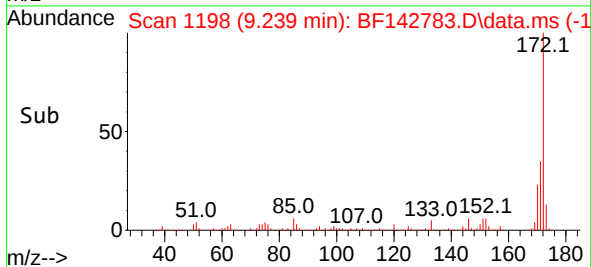
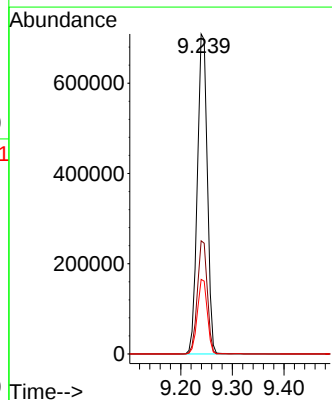
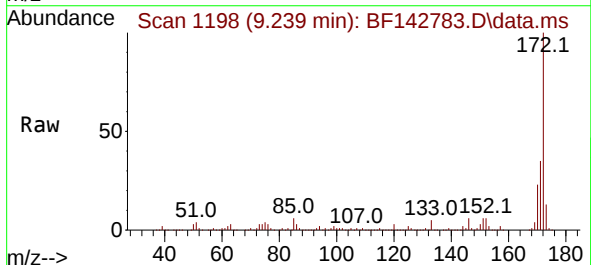


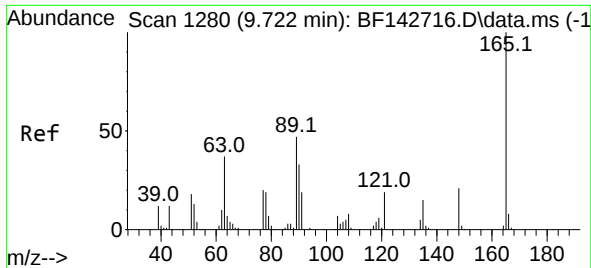
Tgt Ion:330 Resp: 225479
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 31.4 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 82.660 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Tgt Ion:172 Resp: 949494
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.3 18.6 27.8

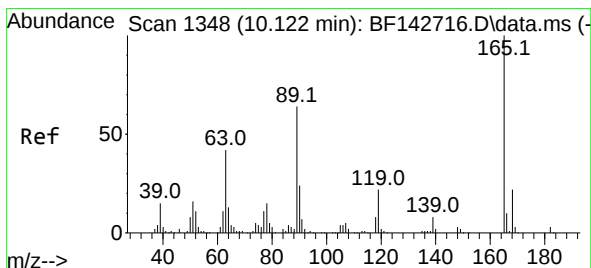
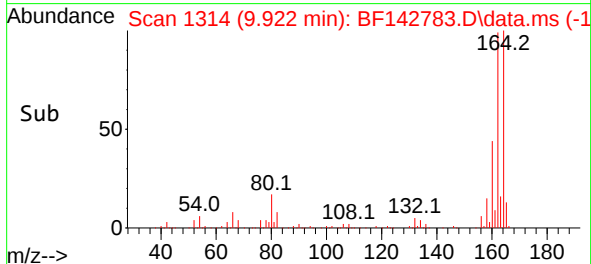
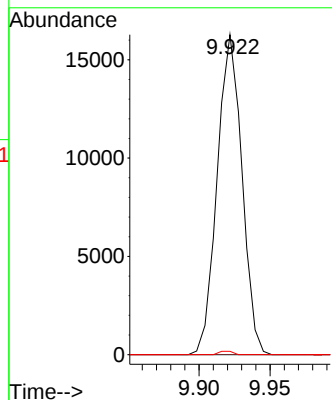
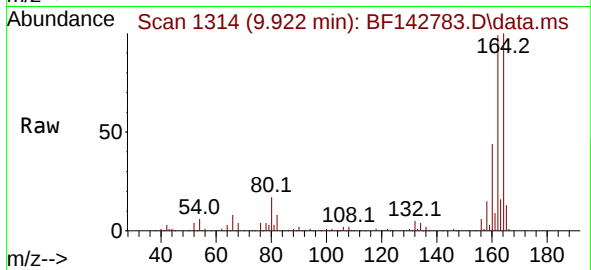




#51
2,6-Dinitrotoluene
Concen: 8.957 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

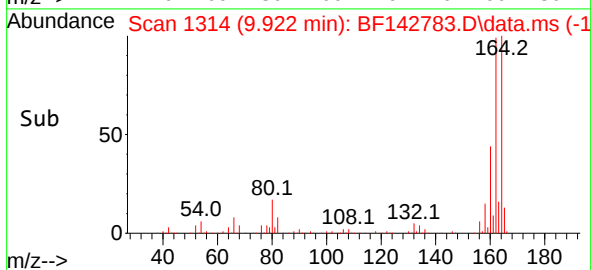
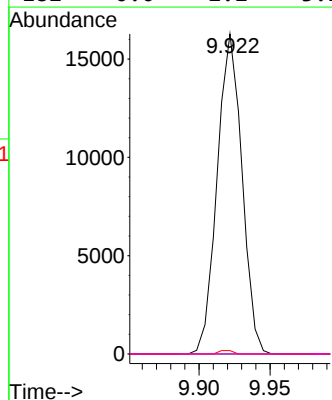
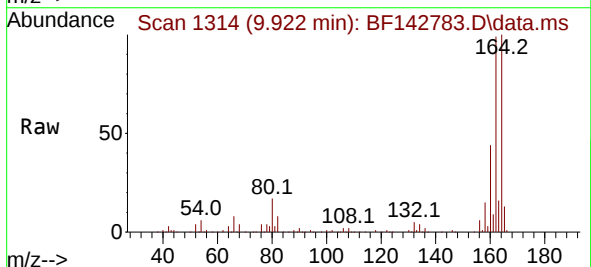
Instrument :
BNA_F
ClientSampleId :
TP05-MH17A-WC

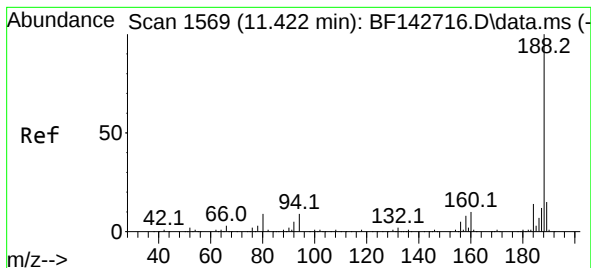
Tgt Ion:165 Resp: 19728
Ion Ratio Lower Upper
165 100
63 0.0 40.6 60.8#
89 1.1 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.775 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.200 min
Lab File: BF142783.D
Acq: 18 Jun 2025 18:03

Tgt Ion:165 Resp: 19728
Ion Ratio Lower Upper
165 100
63 0.0 34.1 51.1#
89 1.1 50.8 76.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

TP05-MH17A-WC

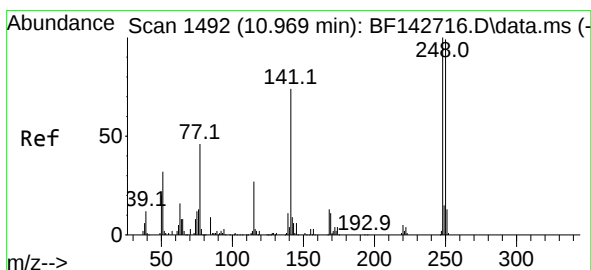
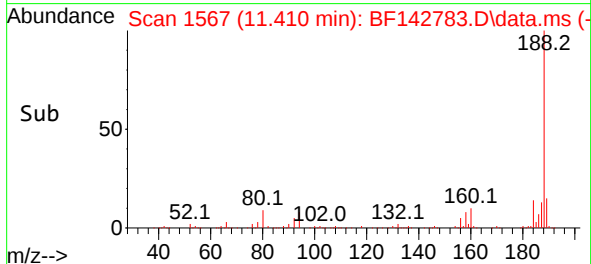
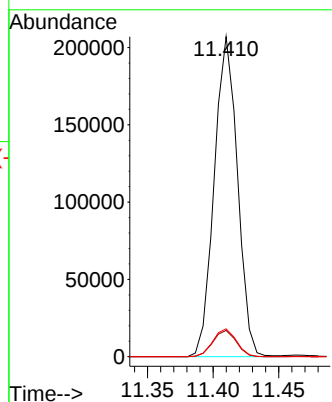
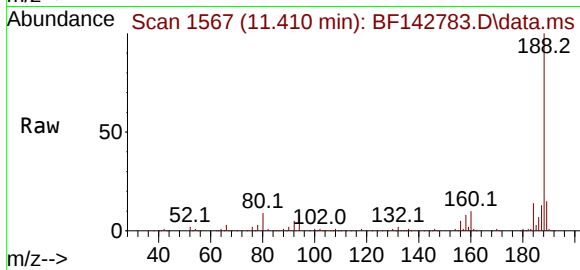
Tgt Ion:188 Resp: 255309

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.7 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 4.932 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

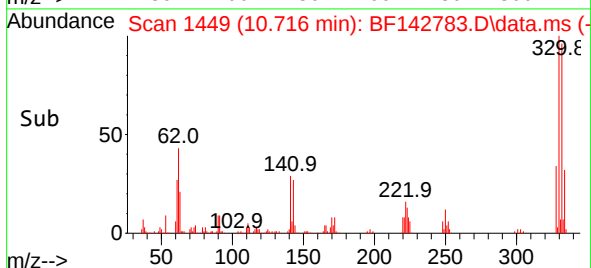
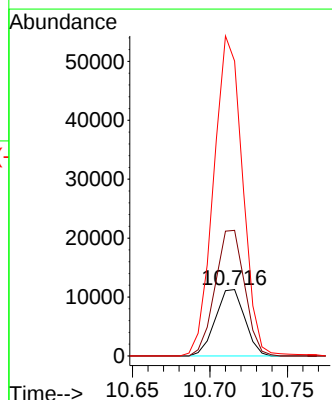
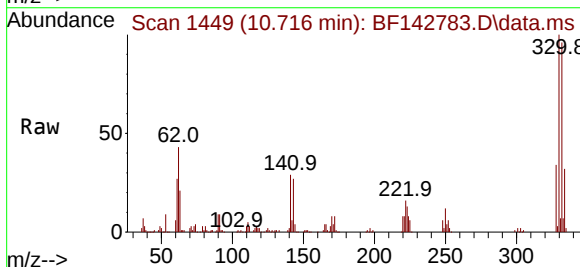
Tgt Ion:248 Resp: 14864

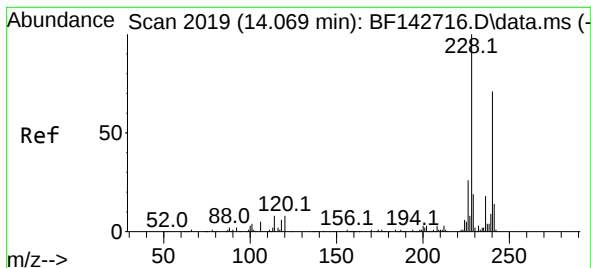
Ion Ratio Lower Upper

248 100

250 189.2 79.2 118.8#

141 444.0 59.3 88.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

TP05-MH17A-WC

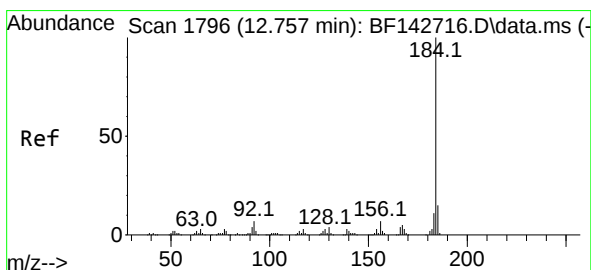
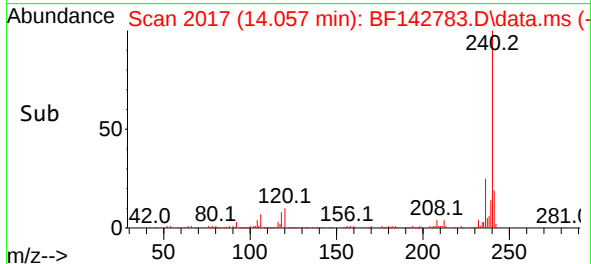
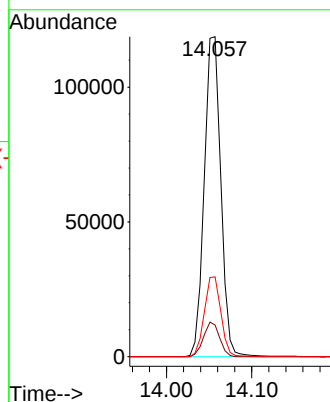
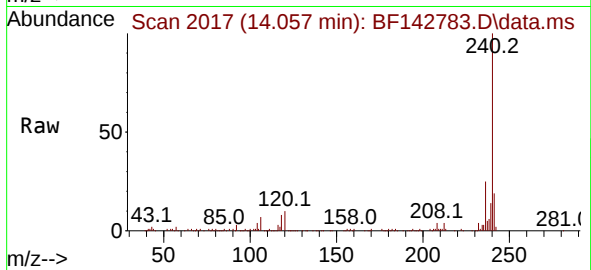
Tgt Ion:240 Resp: 160463

Ion Ratio Lower Upper

240 100

120 9.9 8.5 12.7

236 25.0 20.1 30.1



#77

Benzidine

Concen: 2.110 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF142783.D

Acq: 18 Jun 2025 18:03

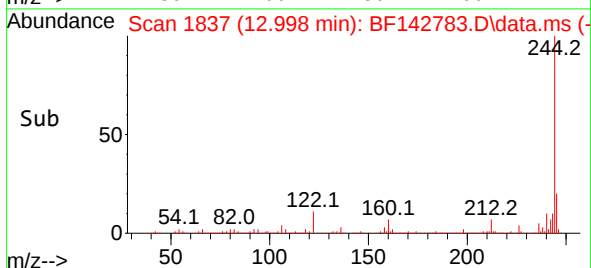
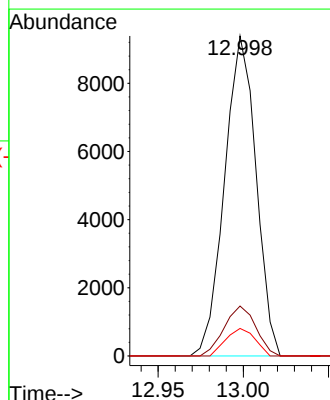
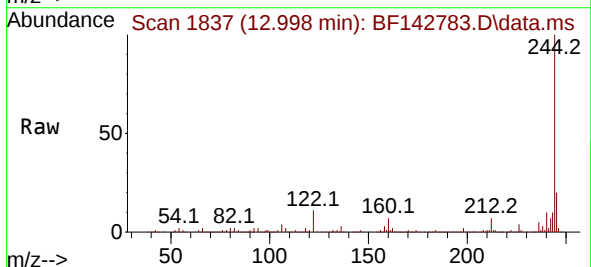
Tgt Ion:184 Resp: 12058

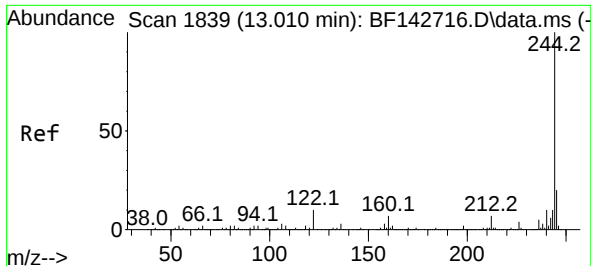
Ion Ratio Lower Upper

184 100

185 15.6 11.7 17.5

183 8.6 8.6 12.8

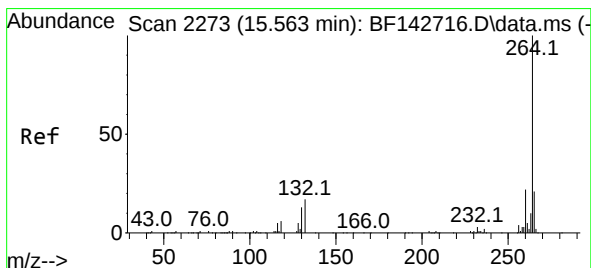
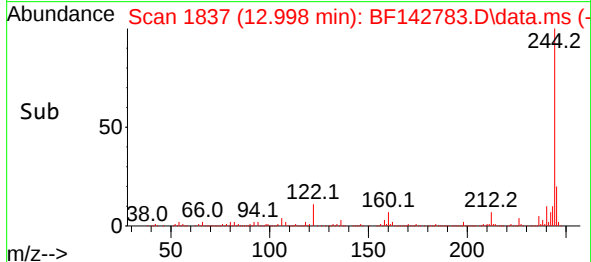
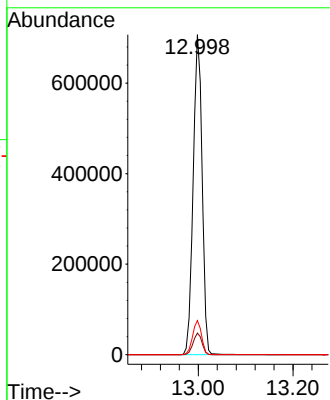
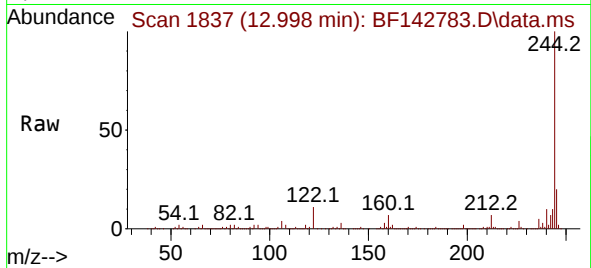




#79
 Terphenyl-d14
 Concen: 78.965 ng
 RT: 12.998 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF142783.D
 Acq: 18 Jun 2025 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP05-MH17A-WC

Tgt Ion:244 Resp: 922572
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.7 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. -0.018 min
 Lab File: BF142783.D
 Acq: 18 Jun 2025 18:03

Tgt Ion:264 Resp: 163173
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.8 26.6
 265 20.9 16.6 25.0

