

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142938.D
 Acq On : 01 Jul 2025 02:44
 Operator : RC/JU
 Sample : Q2452-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jul 01 03:33:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

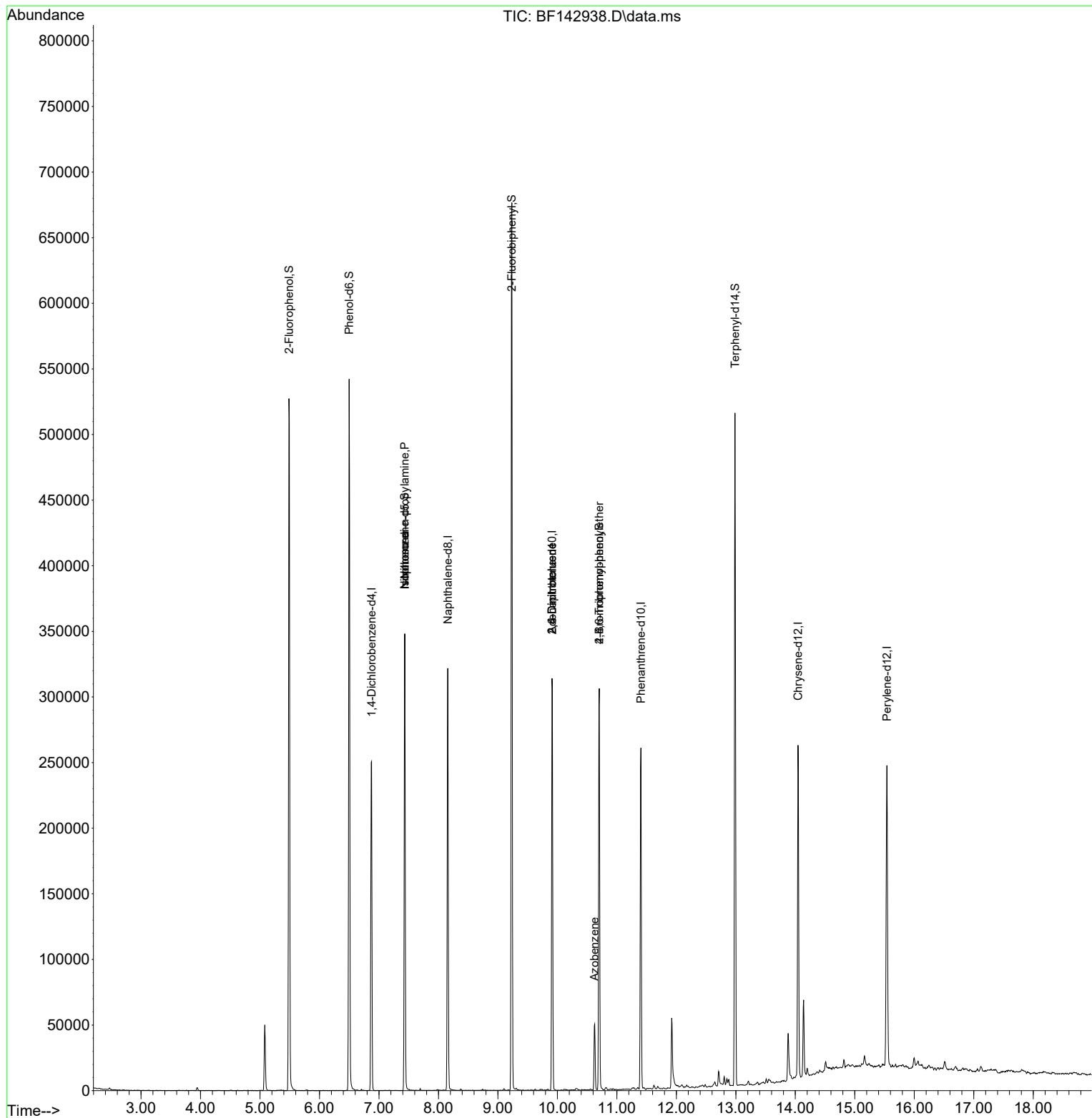
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58779	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	205775	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	98036	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	139342	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126752	20.000	ng	-0.01
86) Perylene-d12	15.539	264	132621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	209363	59.302	ng	0.00
7) Phenol-d6	6.498	99	243808	58.534	ng	-0.01
23) Nitrobenzene-d5	7.434	82	142375	37.951	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	53502	53.032	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	312500	41.875	ng	-0.01
79) Terphenyl-d14	12.986	244	243224	26.513	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	18723	7.729	ng	# 76
25) Isophorone	7.434	82	142373	23.658	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	12415	8.908	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	12415	6.707	ng	# 26
63) Azobenzene	10.622	77	12619	2.269	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	3428	2.162	ng	# 1

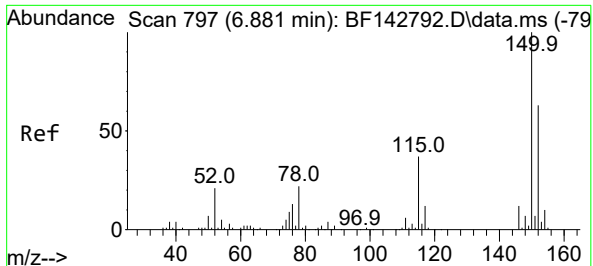
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142938.D
Acq On : 01 Jul 2025 02:44
Operator : RC/JU
Sample : Q2452-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: Jul 01 03:33:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

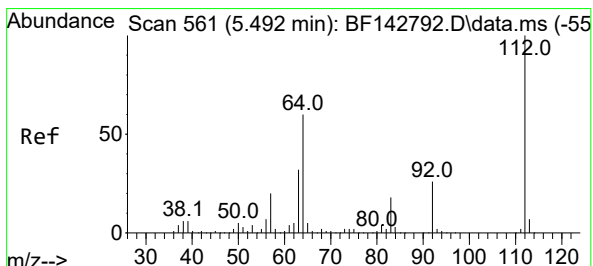
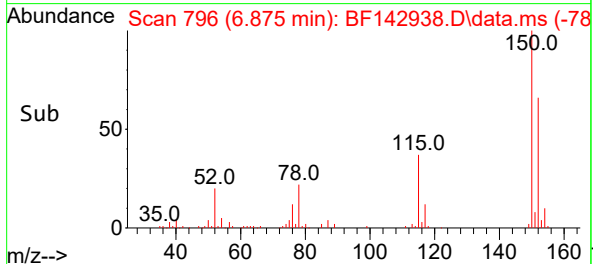
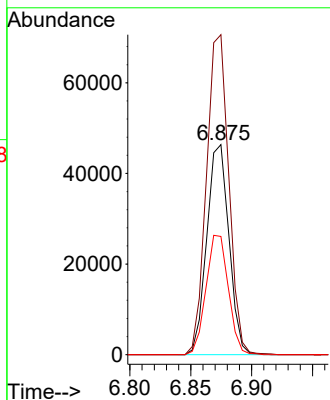
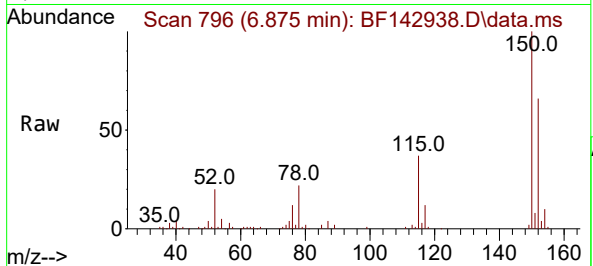




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

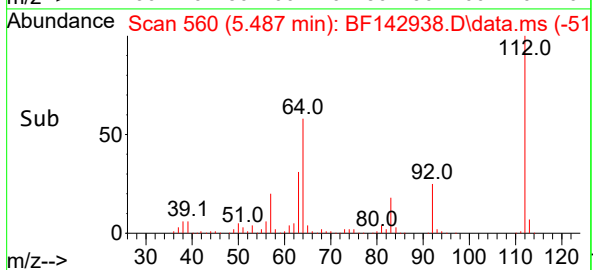
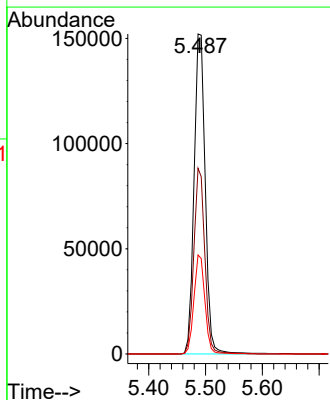
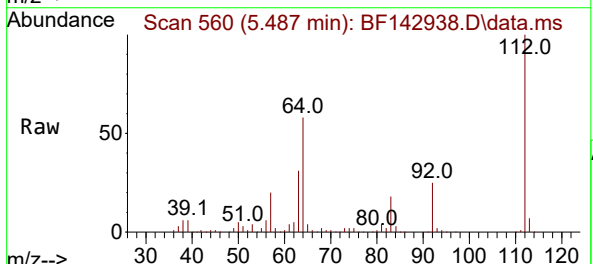
Instrument :
BNA_F
ClientSampleId :
TP-5

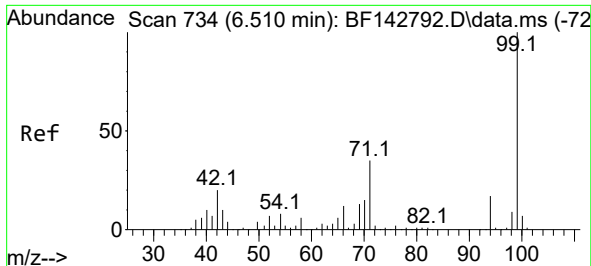
Tgt Ion:152 Resp: 58779
Ion Ratio Lower Upper
152 100
150 152.3 127.2 190.8
115 56.3 46.6 69.8



#5
2-Fluorophenol
Concen: 59.302 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

Tgt Ion:112 Resp: 209363
Ion Ratio Lower Upper
112 100
64 58.1 48.2 72.2
63 31.0 25.7 38.5





#7

Phenol-d6

Concen: 58.534 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TP-5

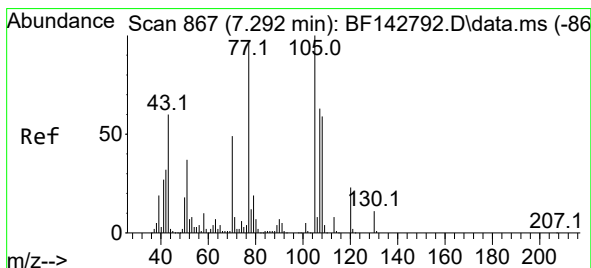
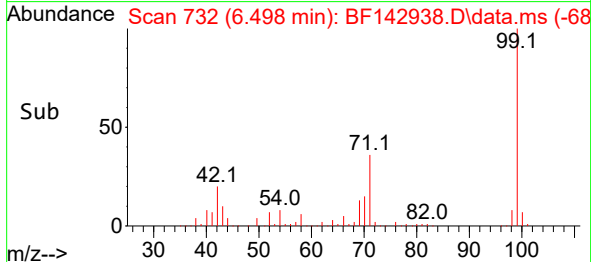
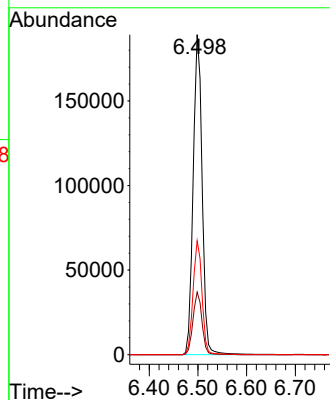
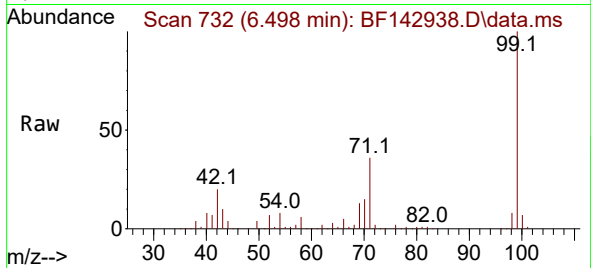
Tgt Ion: 99 Resp: 243808

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 35.6 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 7.729 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

Tgt Ion: 70 Resp: 18723

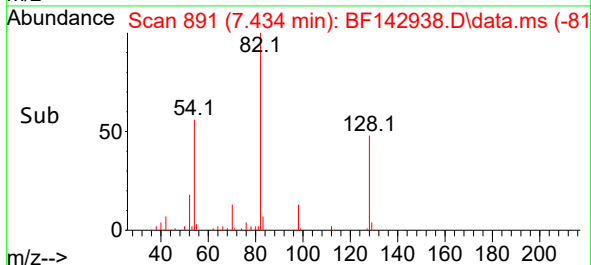
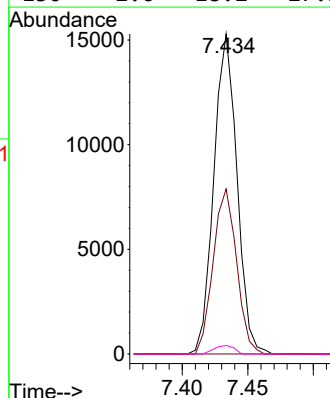
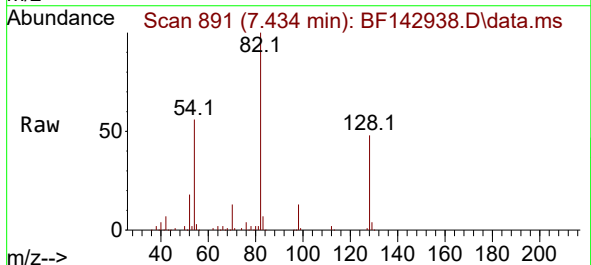
Ion Ratio Lower Upper

70 100

42 51.5 52.1 78.1#

101 0.0 8.2 12.2#

130 2.6 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion:136 Resp: 205775

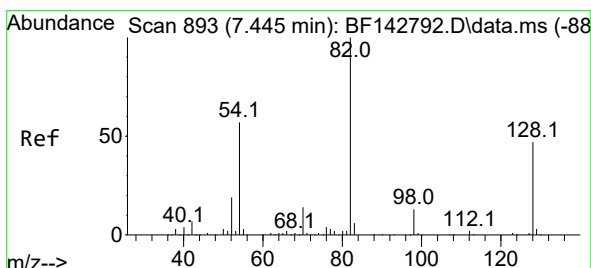
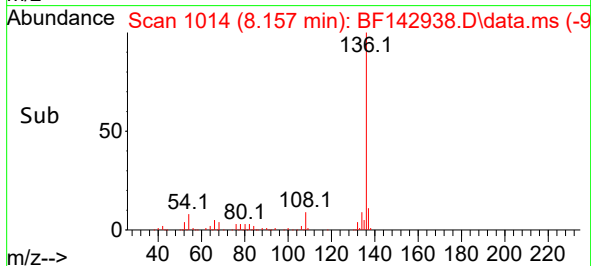
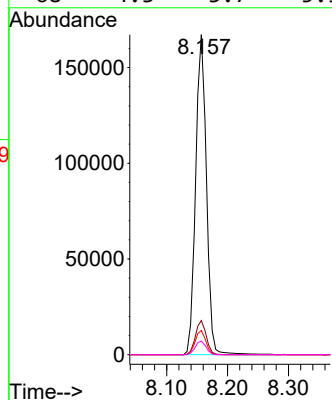
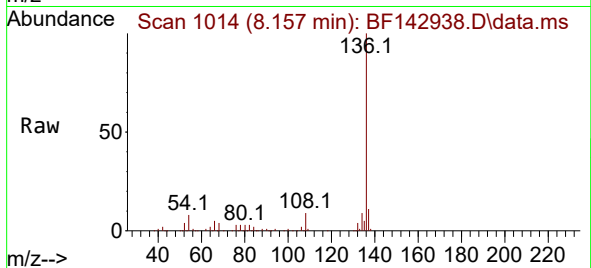
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.5 6.3 9.5

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 37.951 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

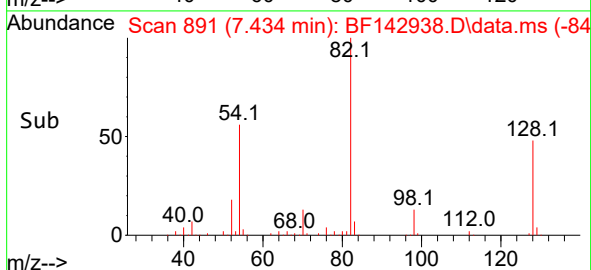
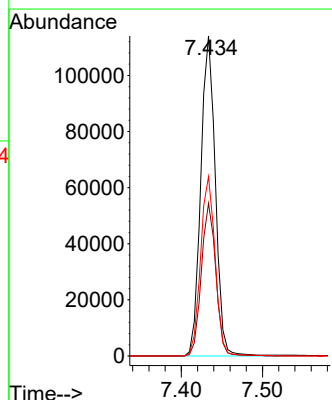
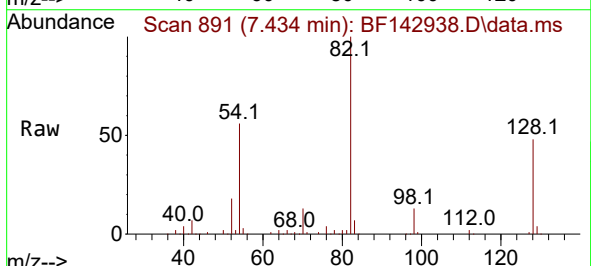
Tgt Ion: 82 Resp: 142375

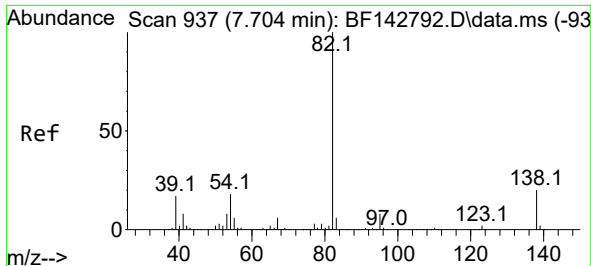
Ion Ratio Lower Upper

82 100

128 47.7 37.7 56.5

54 56.1 45.7 68.5

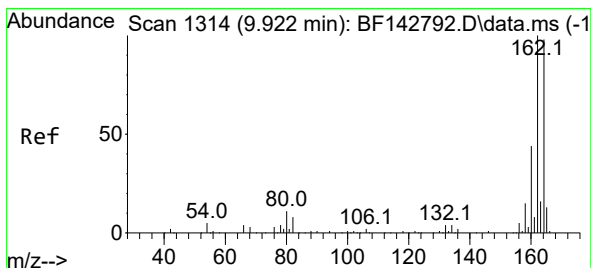
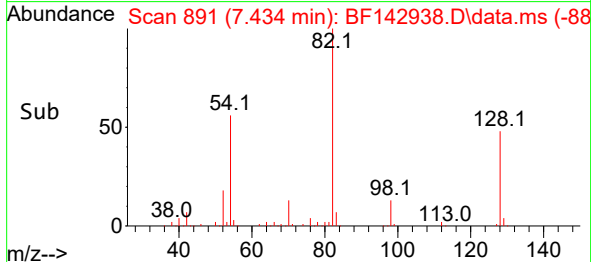
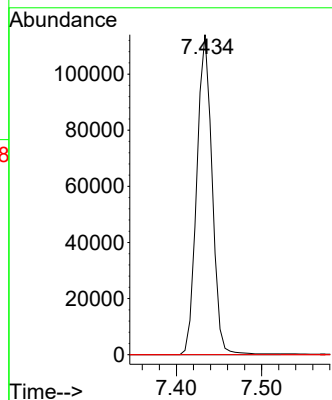
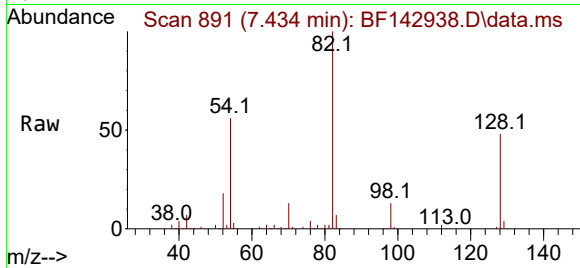




#25
Isophorone
Concen: 23.658 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

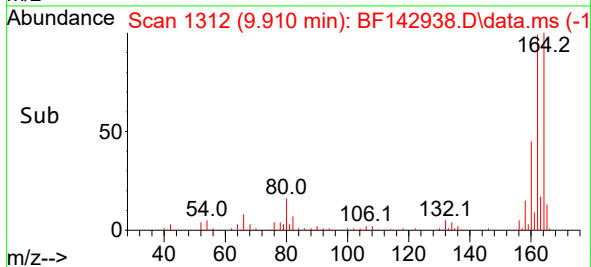
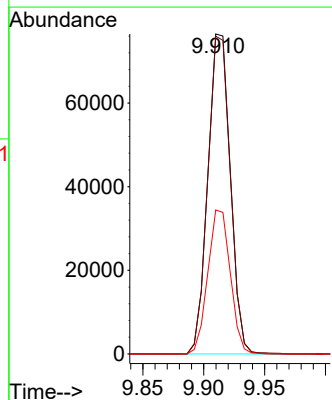
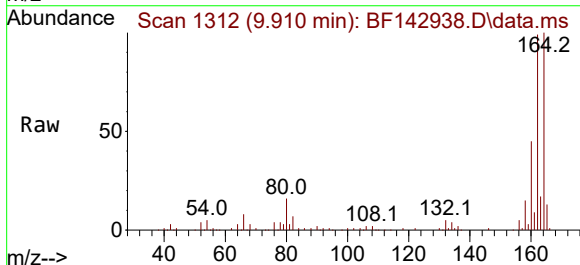
Instrument :
BNA_F
ClientSampleId :
TP-5

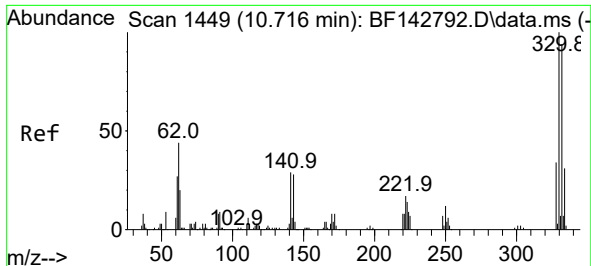
Tgt Ion: 82 Resp: 142373
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

Tgt Ion:164 Resp: 98036
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 53.032 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TP-5

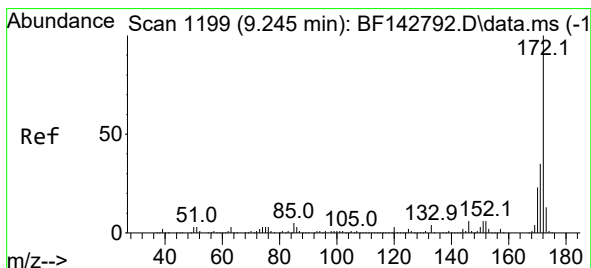
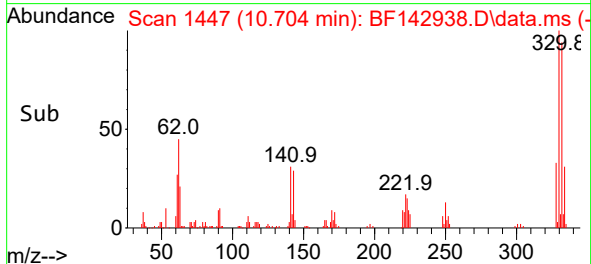
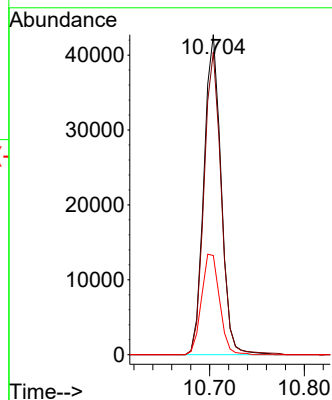
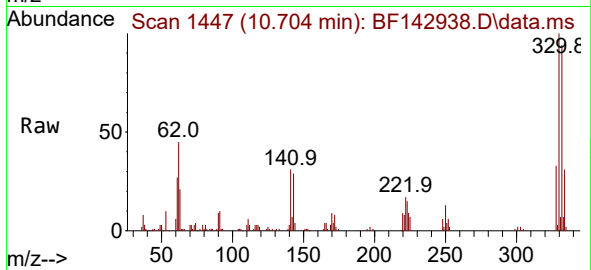
Tgt Ion:330 Resp: 53502

Ion Ratio Lower Upper

330 100

332 95.1 75.0 112.6

141 33.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 41.875 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

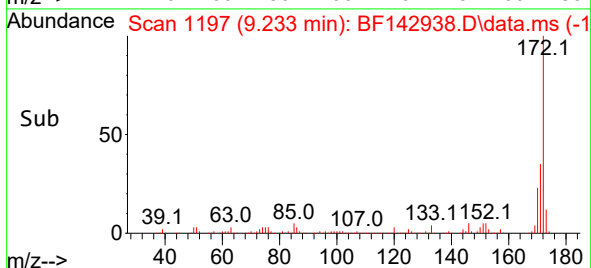
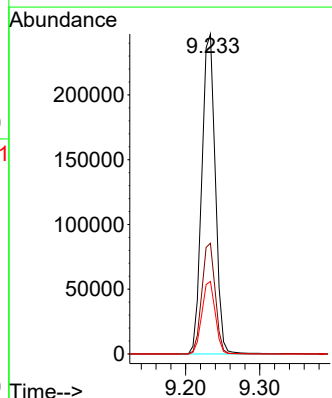
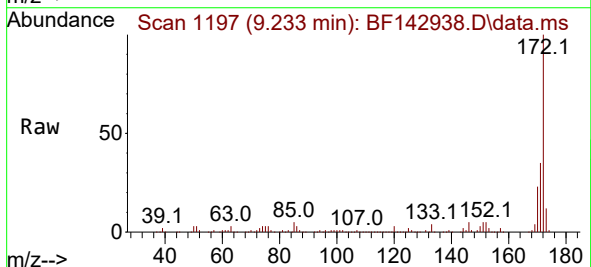
Tgt Ion:172 Resp: 312500

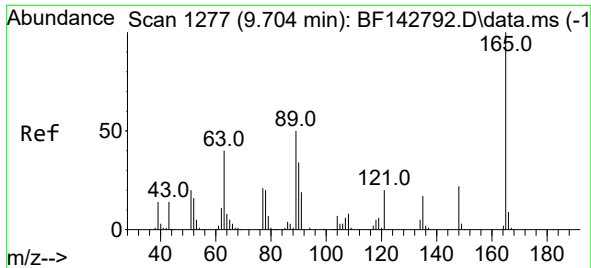
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 22.7 18.5 27.7

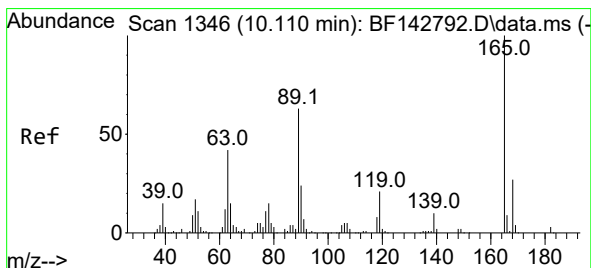
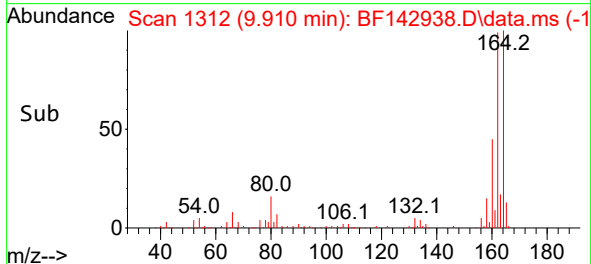
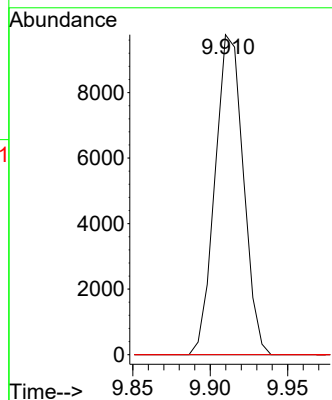
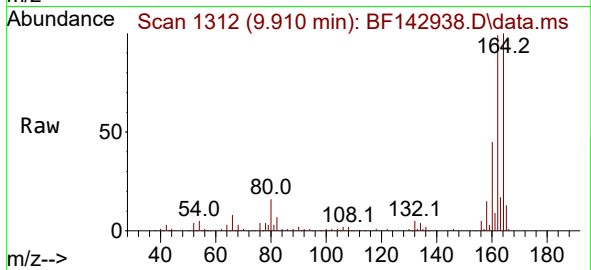




#51
2,6-Dinitrotoluene
Concen: 8.908 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

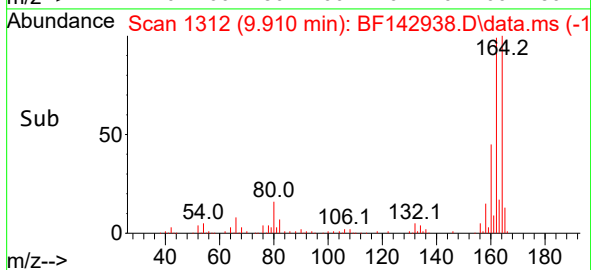
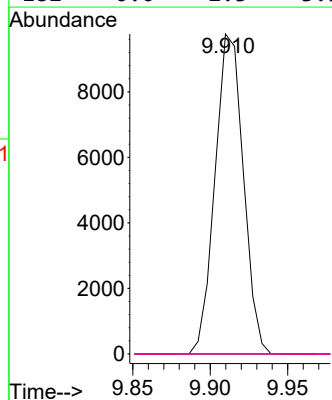
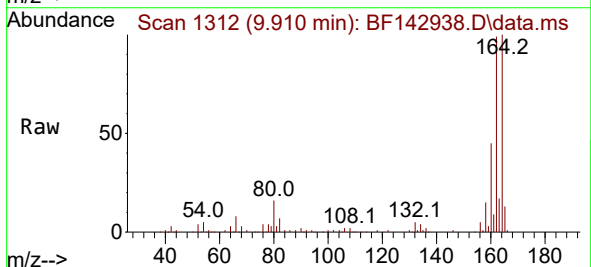
Instrument :
BNA_F
ClientSampleId :
TP-5

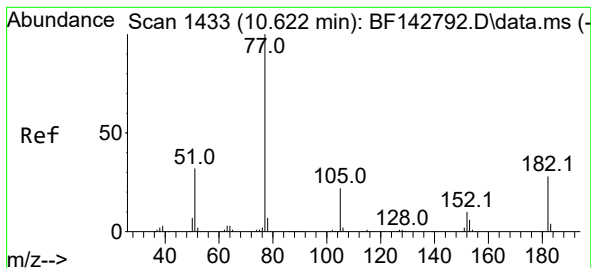
Tgt Ion:165 Resp: 12415
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

Tgt Ion:165 Resp: 12415
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.269 ng

RT: 10.622 min Scan# 1433

Delta R.T. -0.000 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 77 Resp: 12619

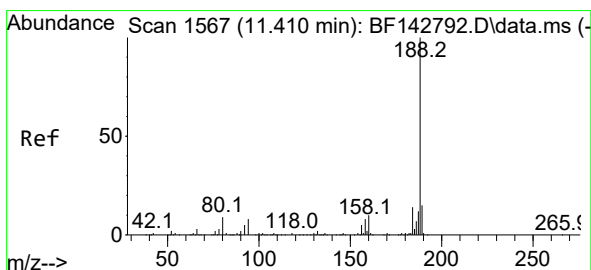
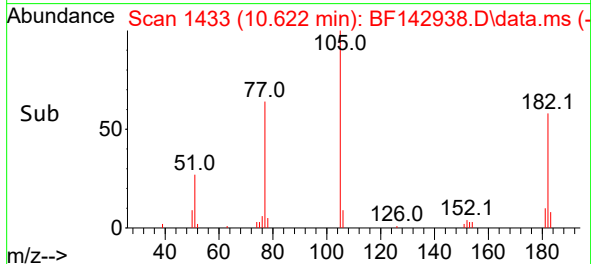
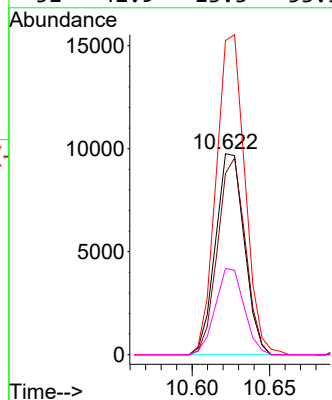
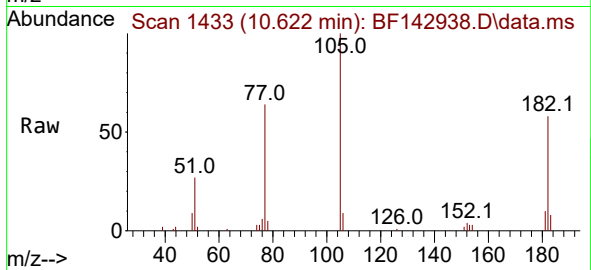
Ion Ratio Lower Upper

77 100

182 90.3 7.7 47.7#

105 156.3 1.9 41.9#

51 42.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142938.D

Acq: 01 Jul 2025 02:44

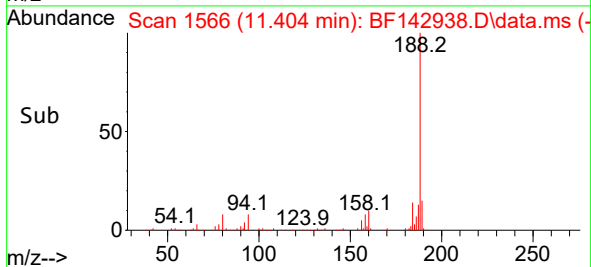
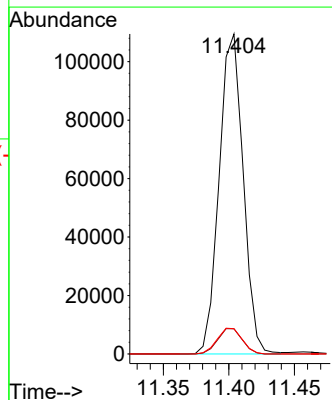
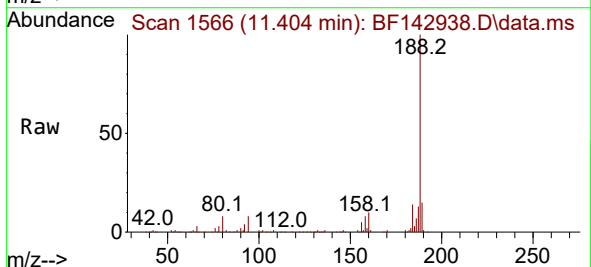
Tgt Ion: 188 Resp: 139342

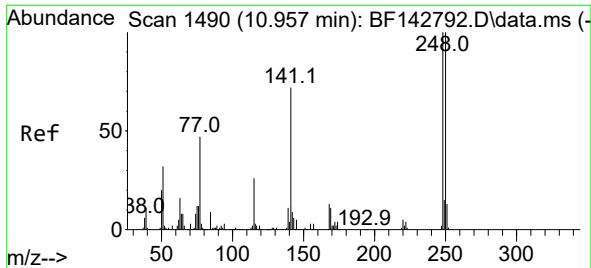
Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 7.9 6.9 10.3

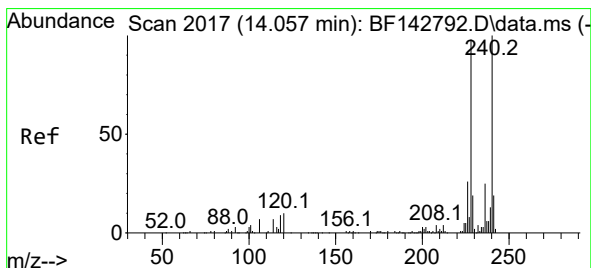
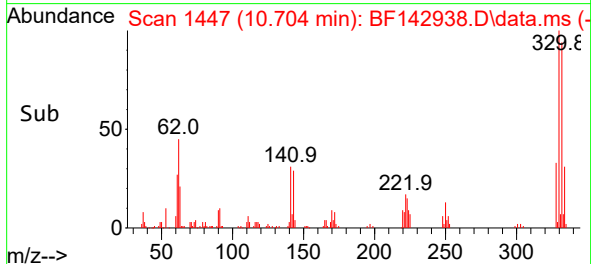
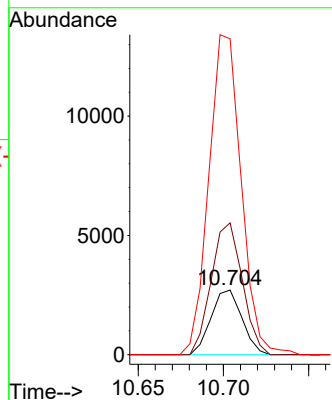
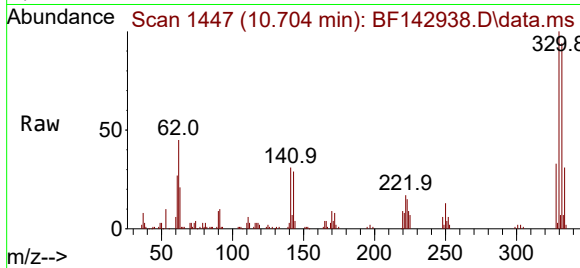




#67
4-Bromophenyl-phenylether
Concen: 2.162 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

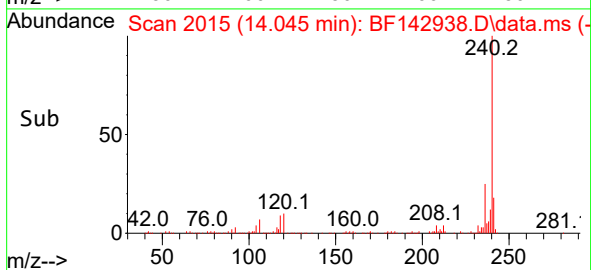
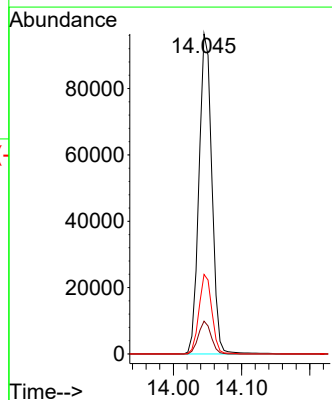
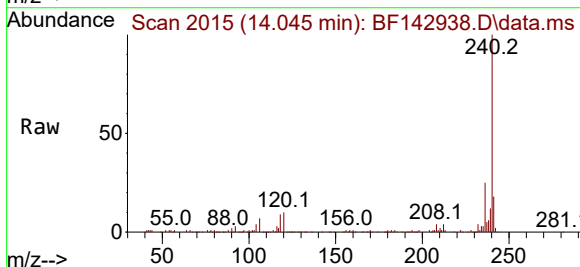
Instrument :
BNA_F
ClientSampleId :
TP-5

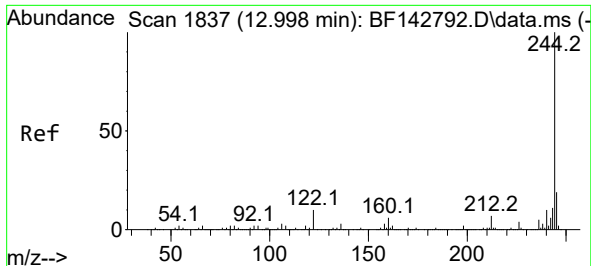
Tgt Ion:248 Resp: 3428
Ion Ratio Lower Upper
248 100
250 204.0 79.8 119.8#
141 488.9 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142938.D
Acq: 01 Jul 2025 02:44

Tgt Ion:240 Resp: 126752
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.8 19.8 29.8

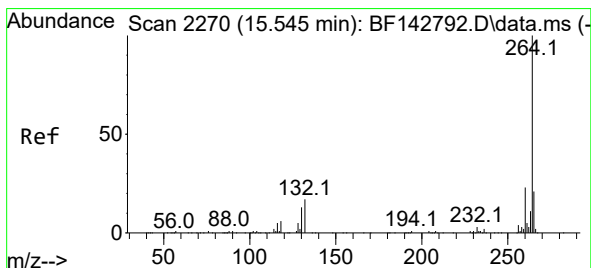
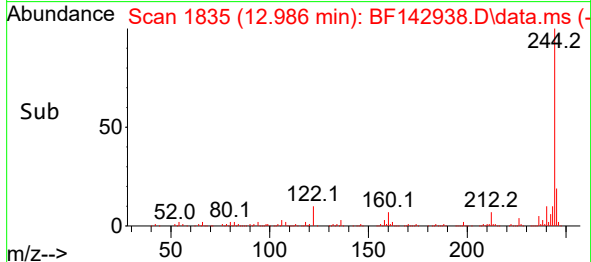
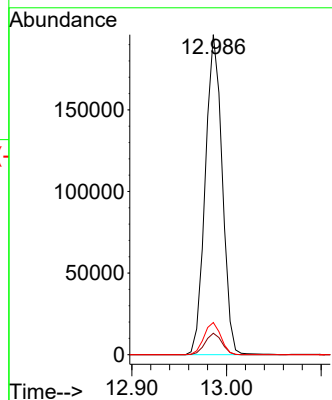
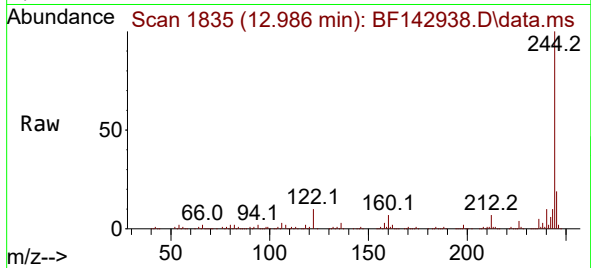




#79
 Terphenyl-d14
 Concen: 26.513 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142938.D
 Acq: 01 Jul 2025 02:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 243224
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.0 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142938.D
 Acq: 01 Jul 2025 02:44

Tgt Ion:264 Resp: 132621
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 21.4 16.6 25.0

