

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142928.D
 Acq On : 30 Jun 2025 21:45
 Operator : RC/JU
 Sample : Q2436-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-87

Quant Time: Jul 01 01:25:22 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)

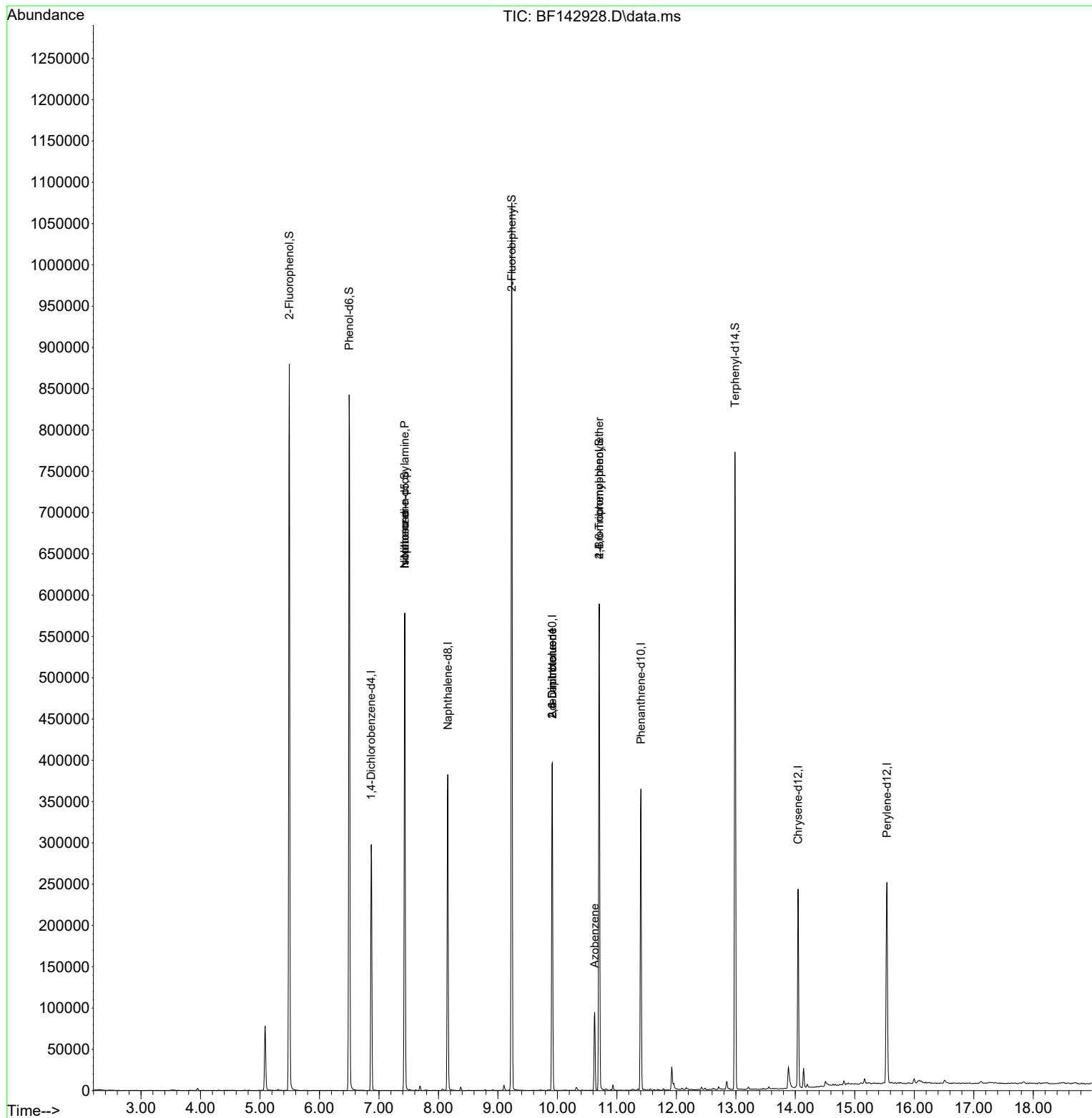
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	67163	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	247558	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	123575	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	193646	20.000	ng	0.00
76) Chrysene-d12	14.045	240	120667	20.000	ng	-0.01
86) Perylene-d12	15.539	264	147185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	332312	82.378	ng	0.00
7) Phenol-d6	6.498	99	388993	81.733	ng	-0.01
23) Nitrobenzene-d5	7.434	82	239121	52.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	100019	78.652	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	489411	52.027	ng	-0.01
79) Terphenyl-d14	12.986	244	373852	42.808	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	32602	11.778	ng	# 76
25) Isophorone	7.434	82	237540	32.809	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	15953	9.081	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	15953	6.837	ng	# 27
63) Azobenzene	10.628	77	23162	3.304	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6413	2.910	ng	# 1

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

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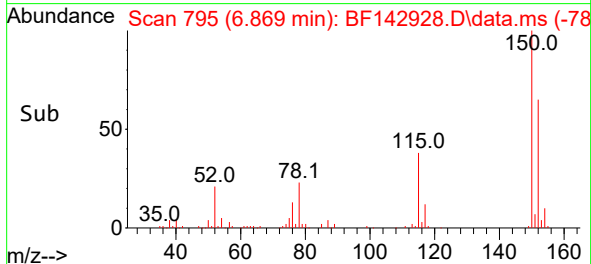
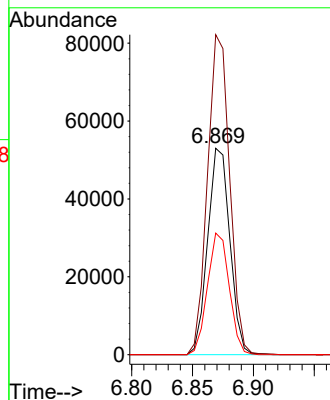
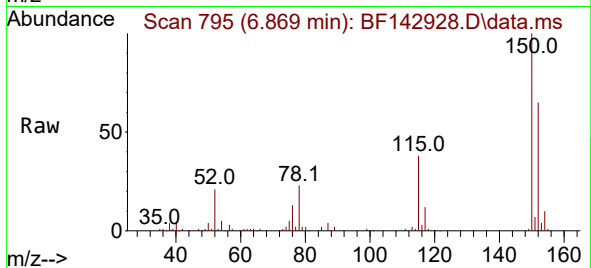




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

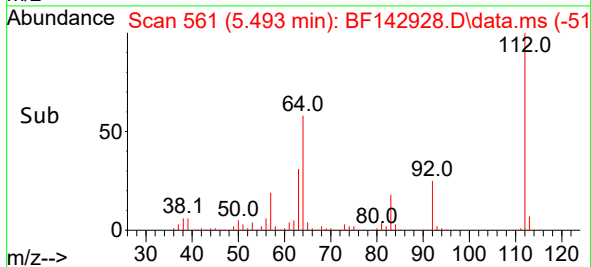
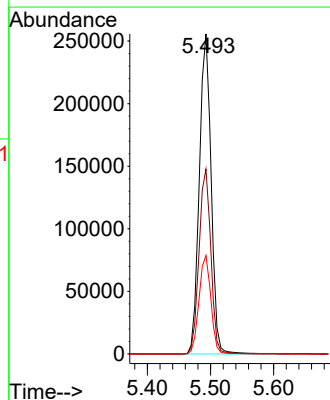
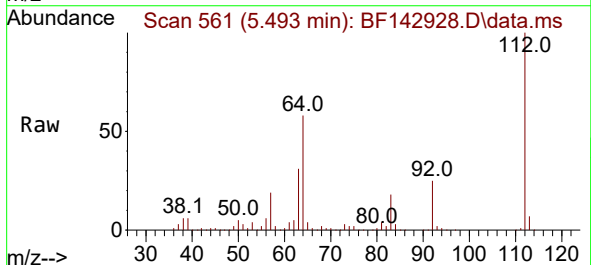
Instrument :
BNA_F
ClientSampleId :
TP-87

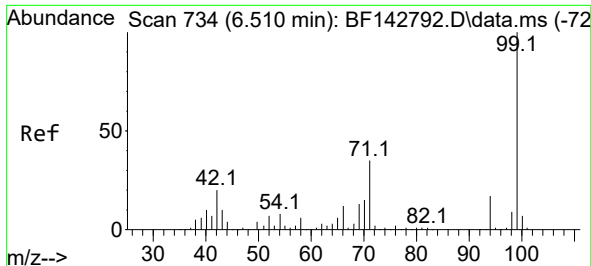
Tgt Ion:152 Resp: 67163
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 82.378 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:112 Resp: 332312
Ion Ratio Lower Upper
112 100
64 57.8 48.2 72.2
63 30.8 25.7 38.5

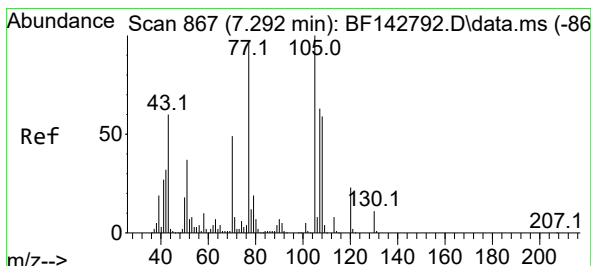
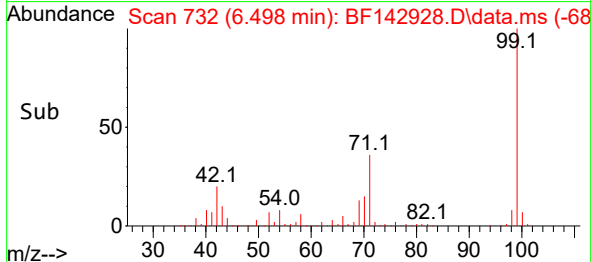
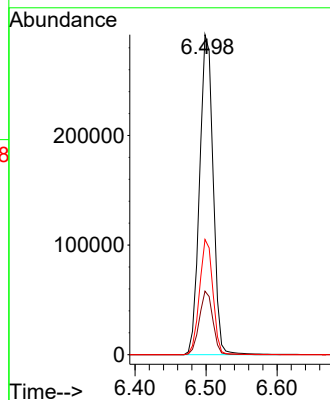
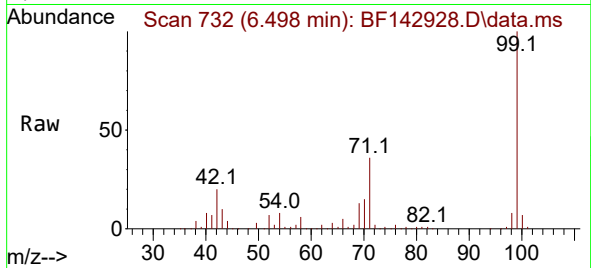




#7
Phenol-d6
Concen: 81.733 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

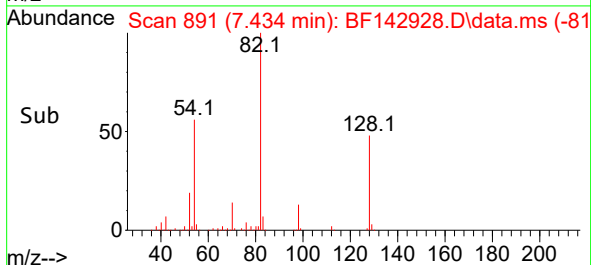
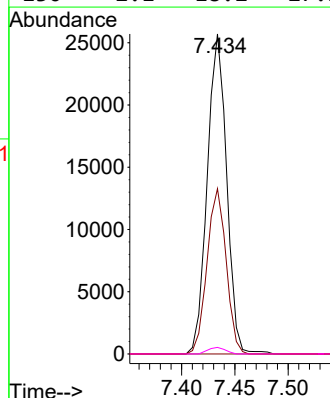
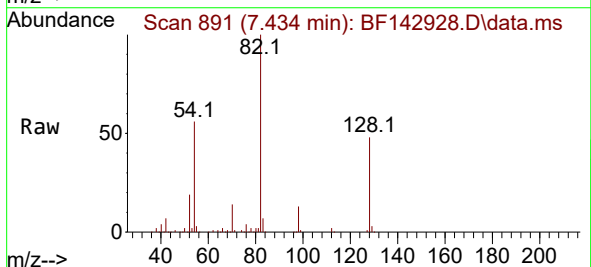
Instrument :
BNA_F
ClientSampleId :
TP-87

Tgt Ion: 99 Resp: 388993
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 36.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.778 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion: 70 Resp: 32602
Ion Ratio Lower Upper
70 100
42 51.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 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: BF142928.D

Acq: 30 Jun 2025 21:45

Instrument :

BNA_F

ClientSampleId :

TP-87

Tgt Ion:136 Resp: 247558

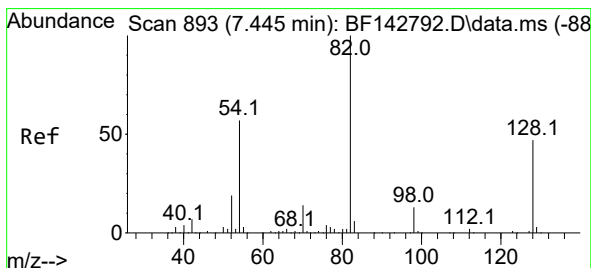
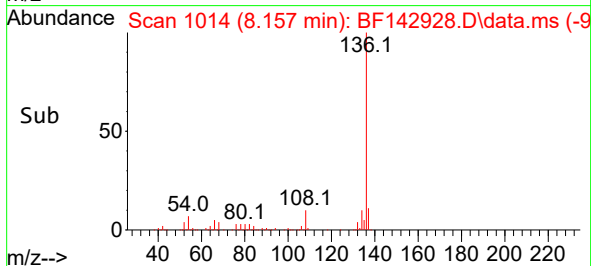
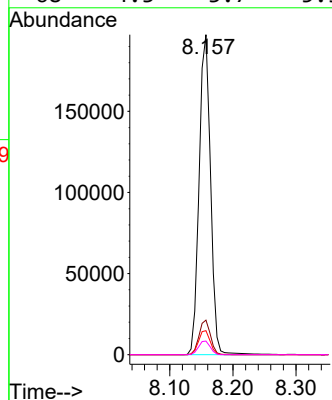
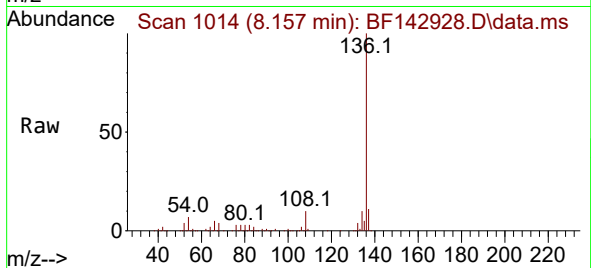
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.5 6.3 9.5

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 52.981 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

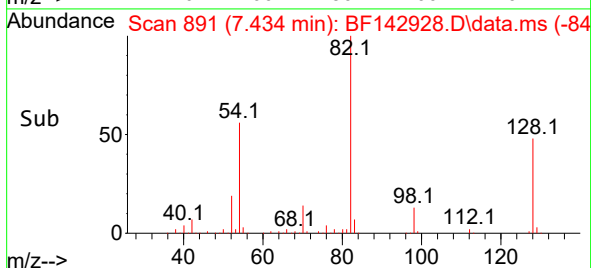
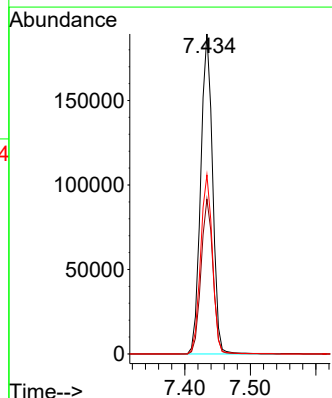
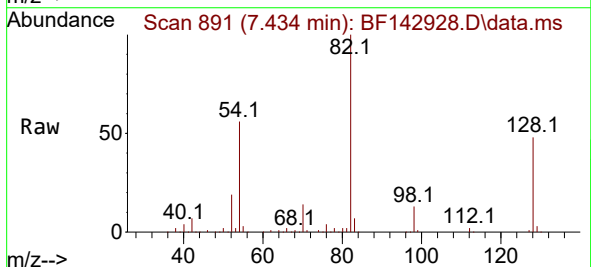
Tgt Ion: 82 Resp: 239121

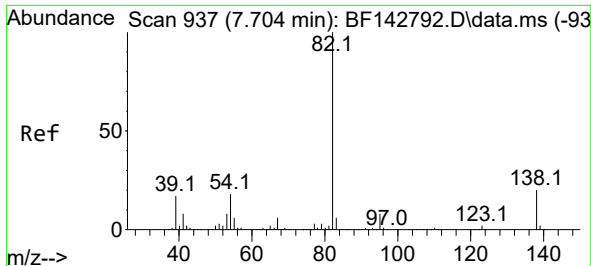
Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

54 55.9 45.7 68.5

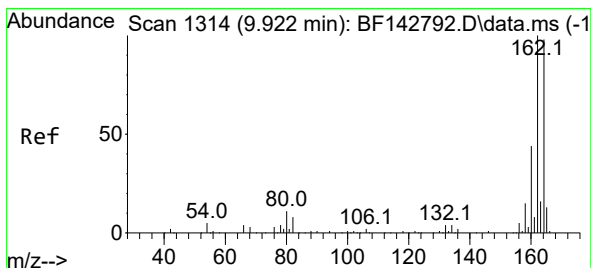
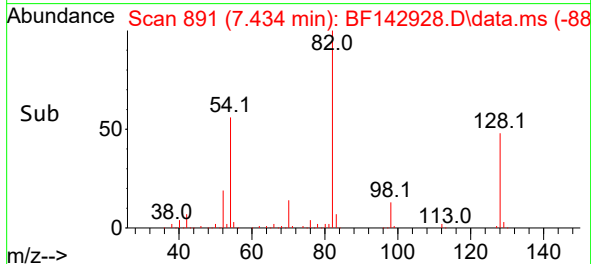
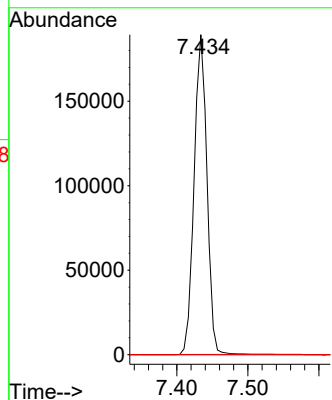
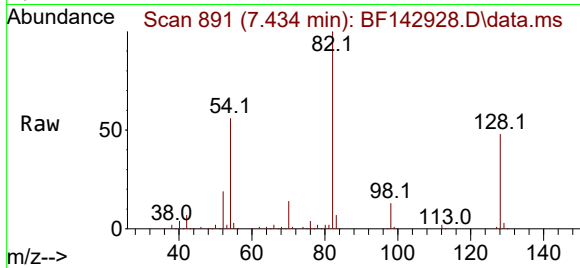




#25
Isophorone
Concen: 32.809 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

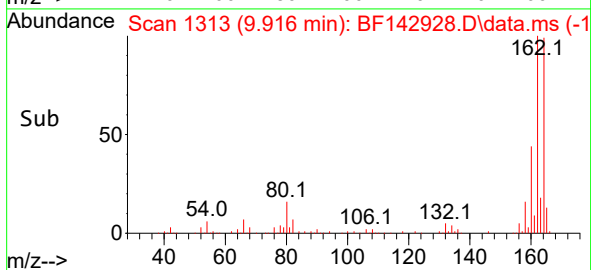
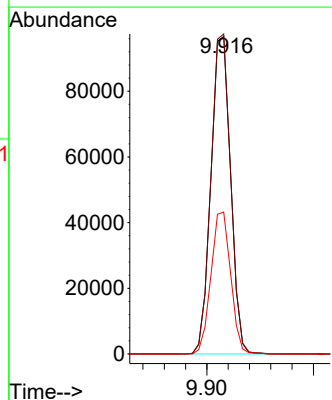
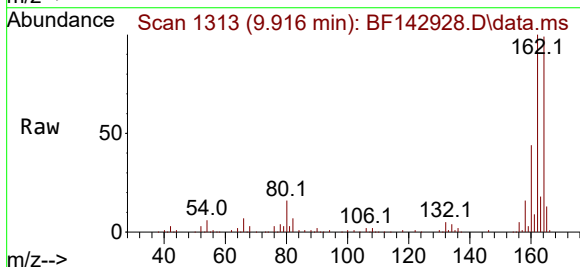
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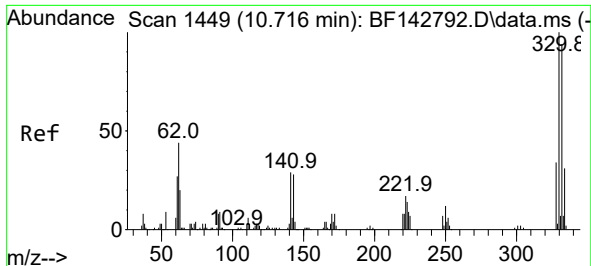
Tgt Ion: 82 Resp: 237540
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:164 Resp: 123575
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 44.7 36.0 54.0

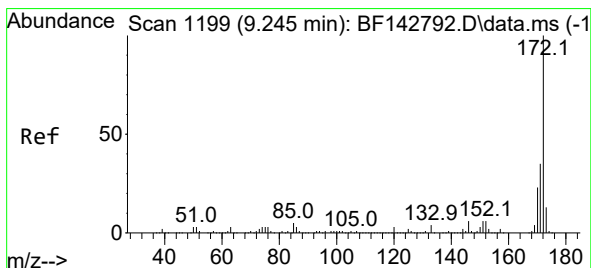
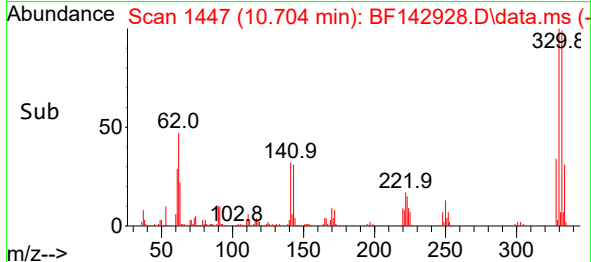
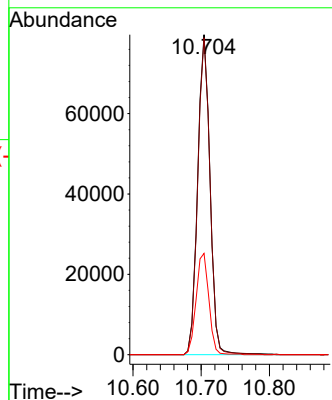
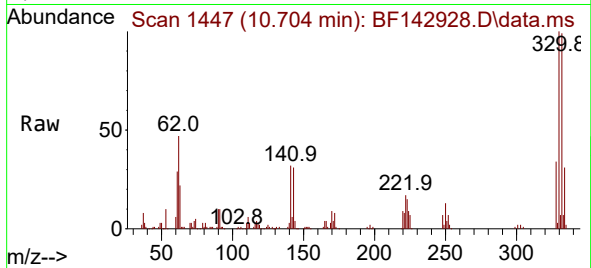




#42
 2,4,6-Tribromophenol
 Concen: 78.652 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF142928.D
 Acq: 30 Jun 2025 21:45

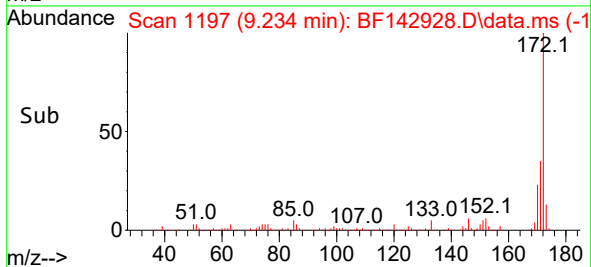
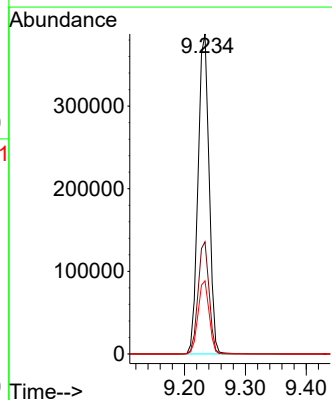
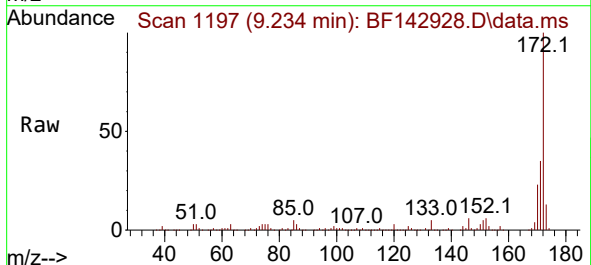
Instrument :
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 ClientSampleId :
 TP-87

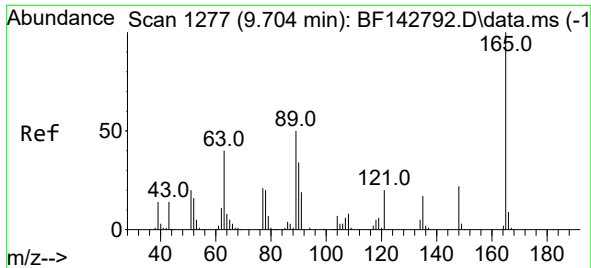
Tgt Ion:330 Resp: 100019
 Ion Ratio Lower Upper
 330 100
 332 98.4 75.0 112.6
 141 32.7 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 52.027 ng
 RT: 9.234 min Scan# 1197
 Delta R.T. -0.011 min
 Lab File: BF142928.D
 Acq: 30 Jun 2025 21:45

Tgt Ion:172 Resp: 489411
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.4
 170 22.9 18.5 27.7

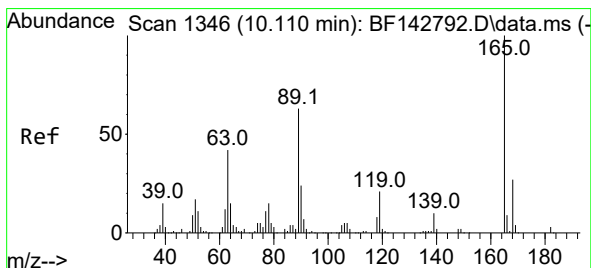
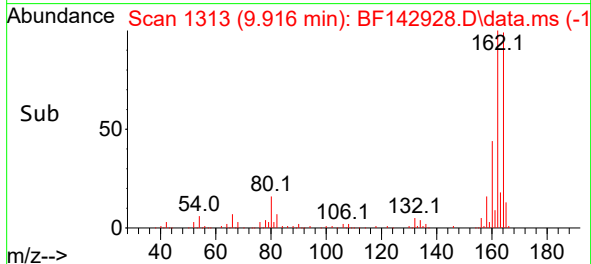
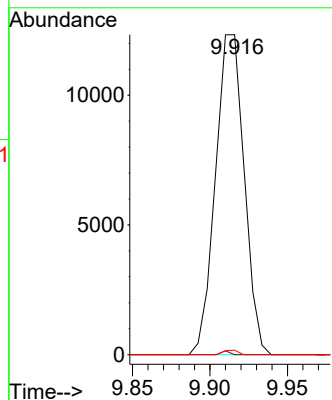
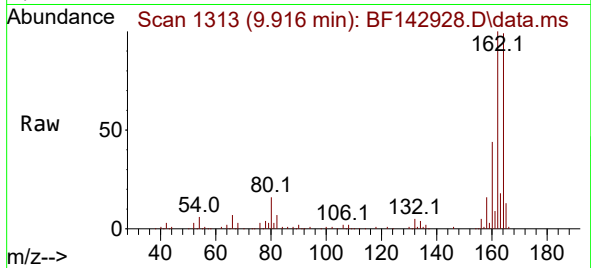




#51
2,6-Dinitrotoluene
Concen: 9.081 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

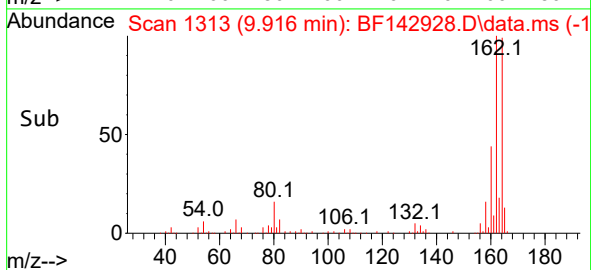
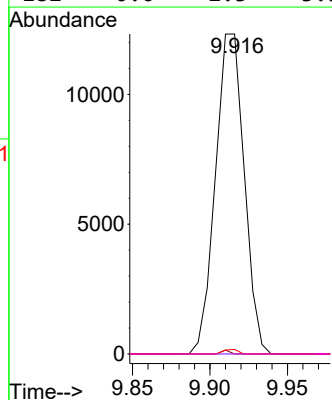
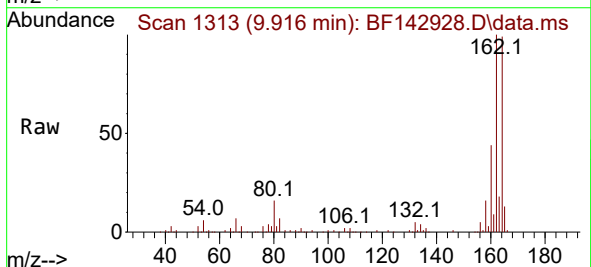
Instrument :
BNA_F
ClientSampleId :
TP-87

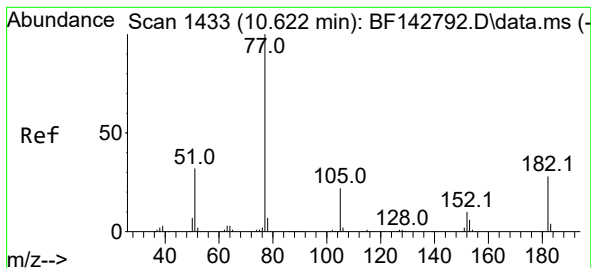
Tgt Ion:165 Resp: 15953
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.4 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.837 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:165 Resp: 15953
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.4 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.304 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

Instrument :

BNA_F

ClientSampleId :

TP-87

Tgt Ion: 77 Resp: 23162

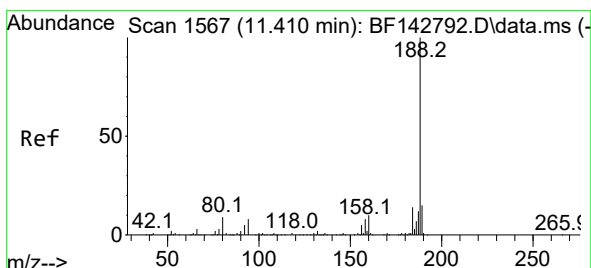
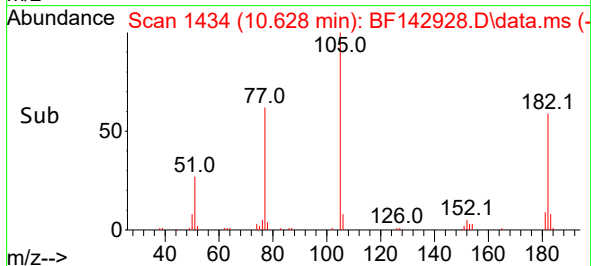
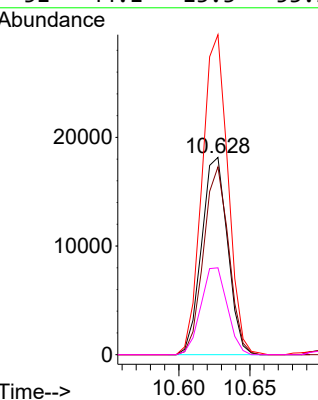
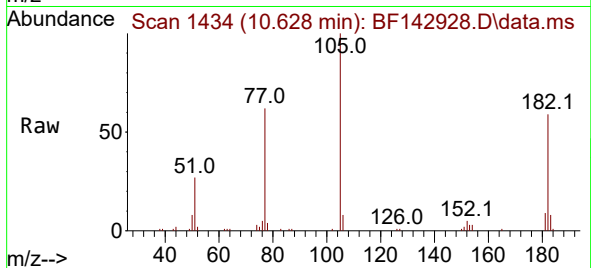
Ion Ratio Lower Upper

77 100

182 95.2 7.7 47.7#

105 162.2 1.9 41.9#

51 44.1 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: BF142928.D

Acq: 30 Jun 2025 21:45

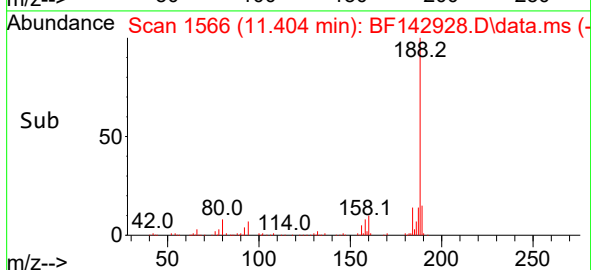
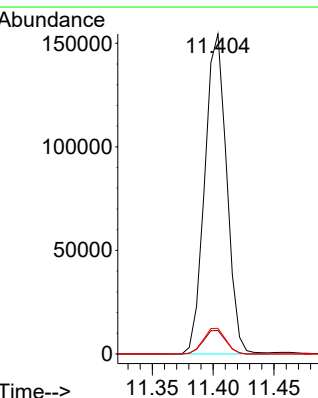
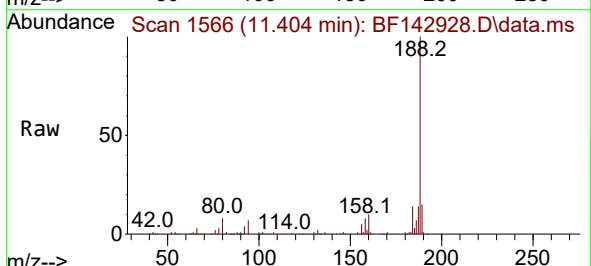
Tgt Ion: 188 Resp: 193646

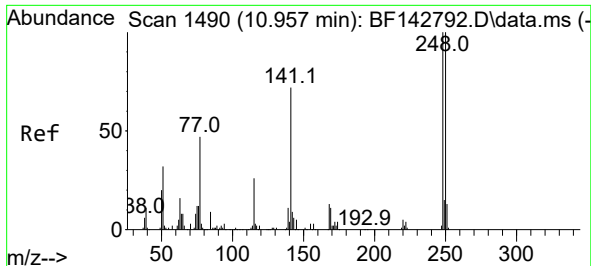
Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

80 8.0 6.9 10.3

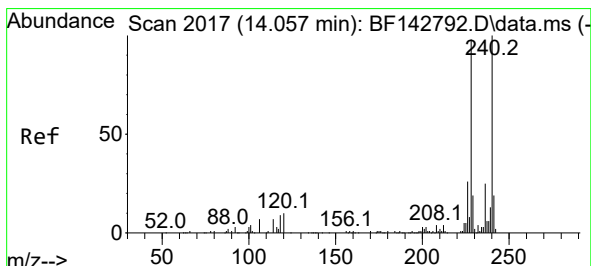
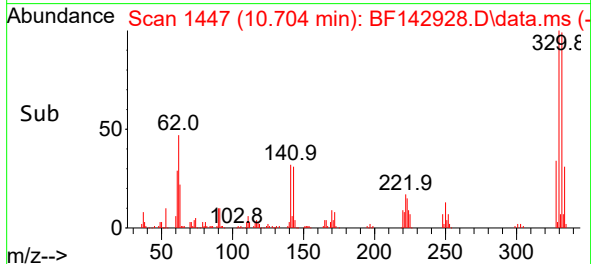
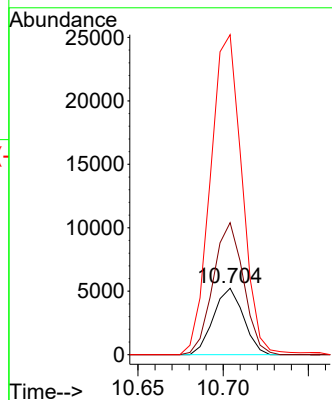
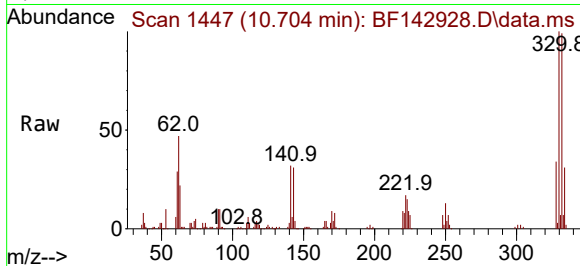




#67
4-Bromophenyl-phenylether
Concen: 2.910 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

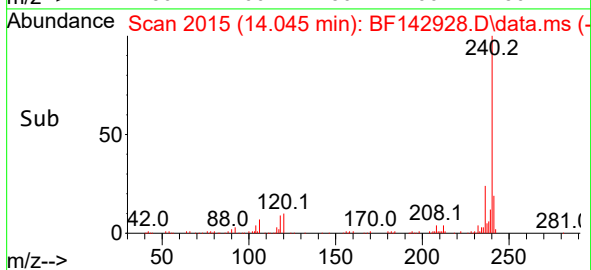
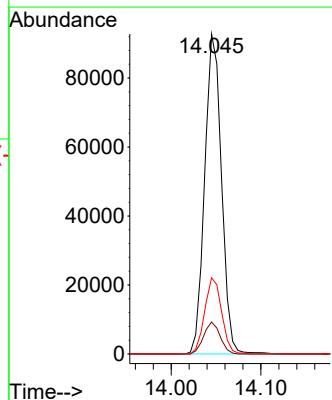
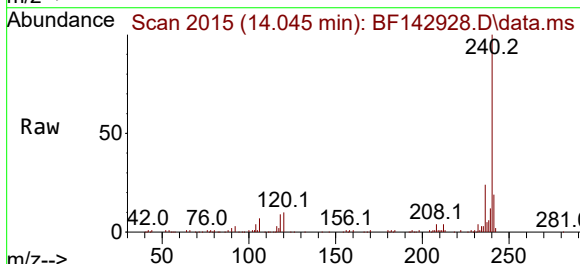
Instrument :
BNA_F
ClientSampleId :
TP-87

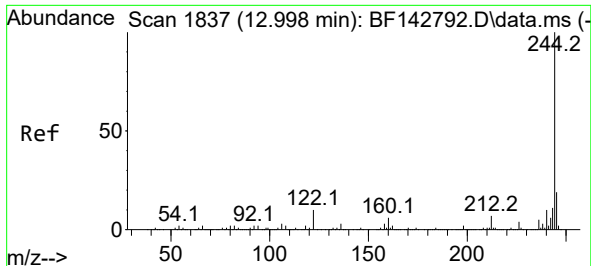
Tgt Ion:248 Resp: 6413
Ion Ratio Lower Upper
248 100
250 198.8 79.8 119.8#
141 481.7 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:240 Resp: 120667
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 23.8 19.8 29.8

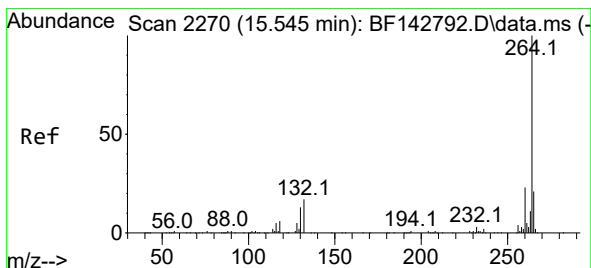
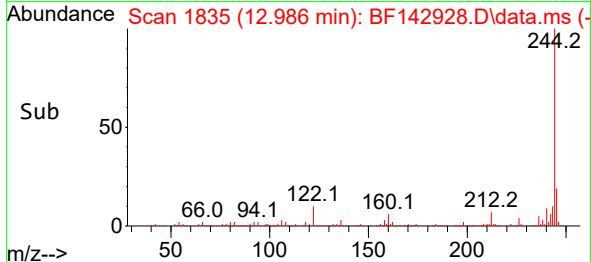
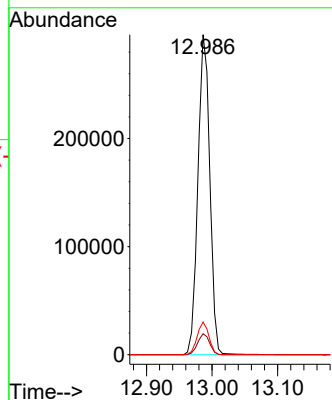
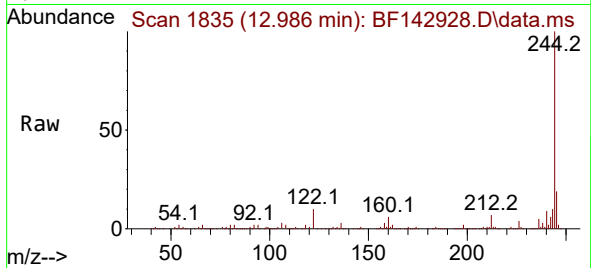




#79
 Terphenyl-d14
 Concen: 42.808 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142928.D
 Acq: 30 Jun 2025 21:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-87

Tgt Ion:244 Resp: 373852
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.2 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: BF142928.D
 Acq: 30 Jun 2025 21:45

Tgt Ion:264 Resp: 147185
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.2 16.6 25.0

