

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142929.D
 Acq On : 30 Jun 2025 22:15
 Operator : RC/JU
 Sample : Q2436-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-84

Quant Time: Jul 01 01:25:36 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)

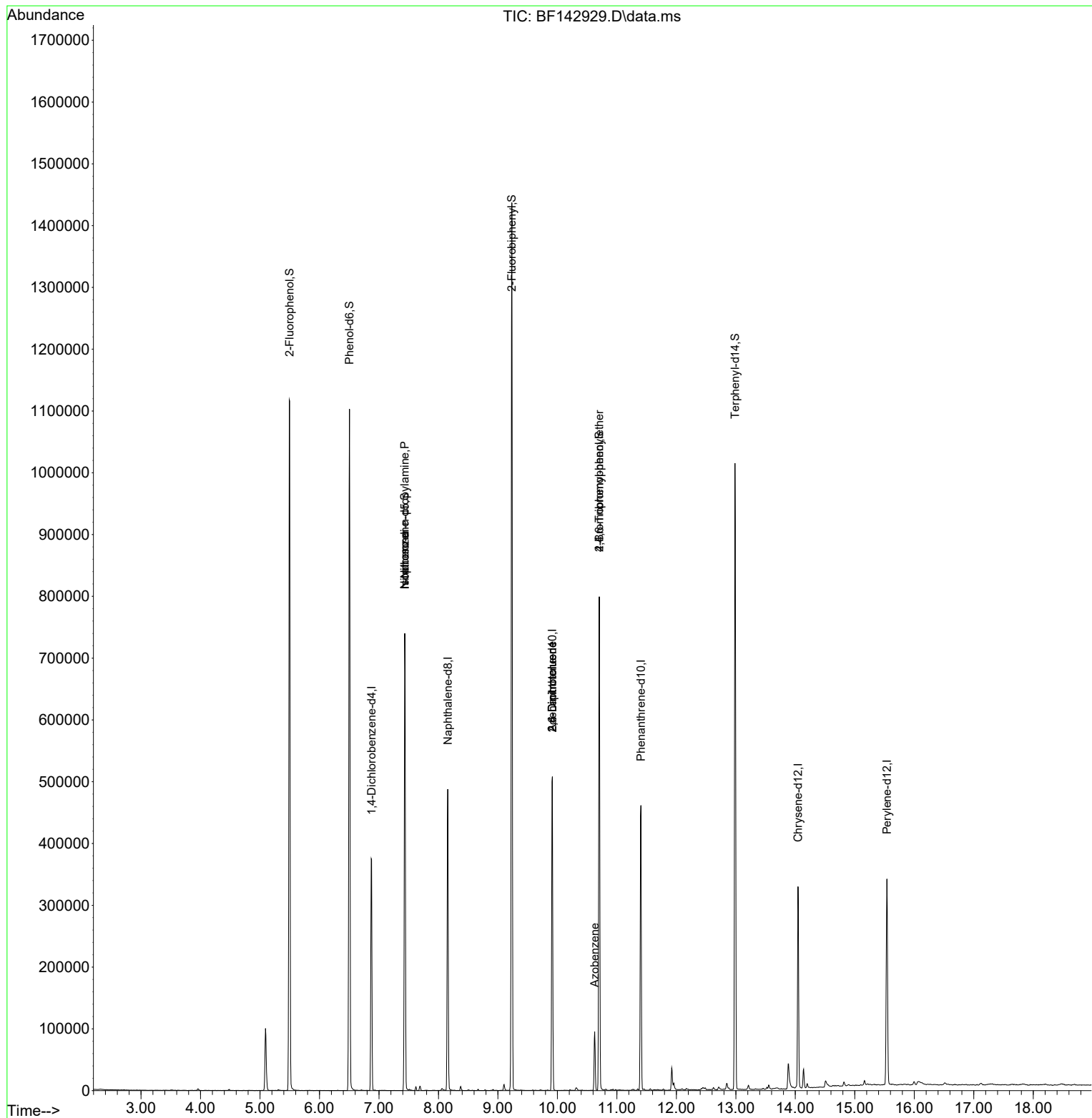
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85331	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	316172	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	159254	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	249233	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161494	20.000	ng	-0.01
86) Perylene-d12	15.539	264	195795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	450284	87.857	ng	0.00
7) Phenol-d6	6.504	99	527501	87.237	ng	0.00
23) Nitrobenzene-d5	7.434	82	320893	55.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	133976	81.751	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	639464	52.749	ng	-0.01
79) Terphenyl-d14	12.986	244	495576	42.400	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	43999	12.511	ng	# 74
25) Isophorone	7.434	82	318804	34.478	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20688	9.138	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	20688	6.880	ng	# 27
63) Azobenzene	10.627	77	22511	2.492	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	8930	3.148	ng	# 1

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

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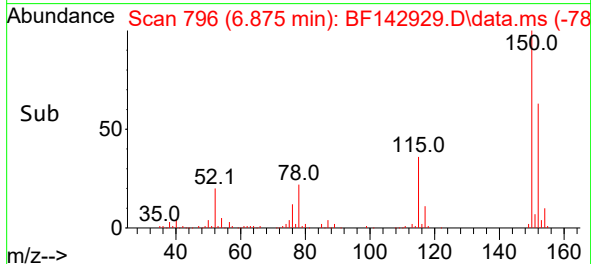
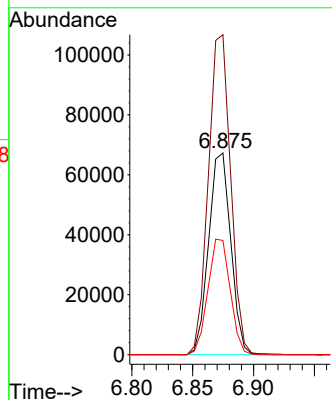
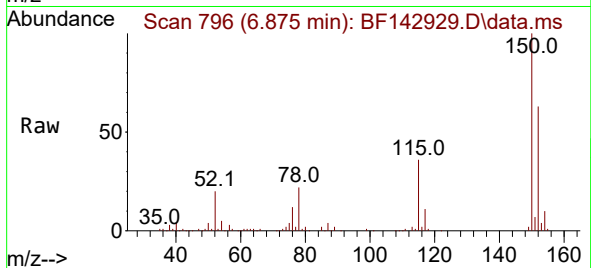




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

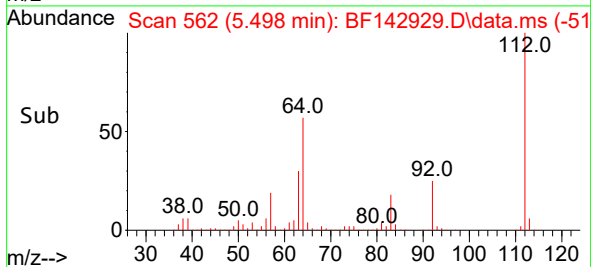
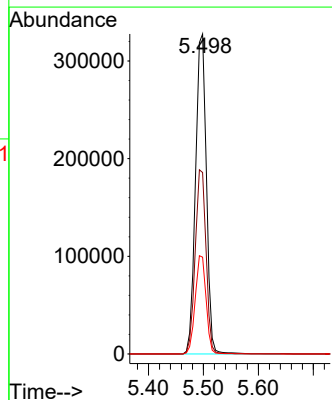
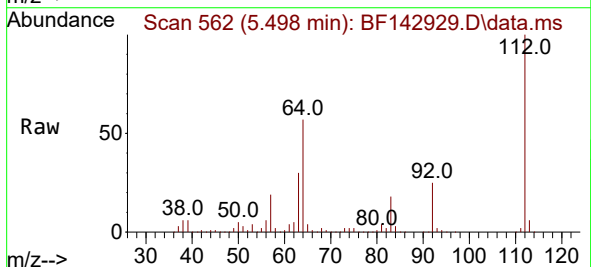
Instrument :
BNA_F
ClientSampleId :
TP-84

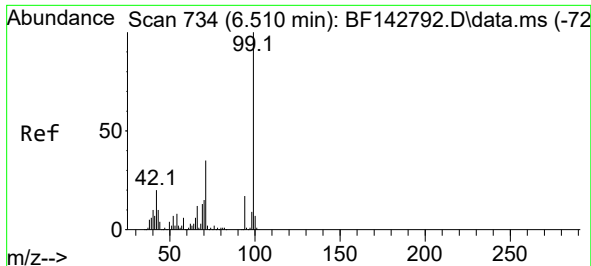
Tgt Ion:152 Resp: 85331
Ion Ratio Lower Upper
152 100
150 158.6 127.2 190.8
115 56.6 46.6 69.8



#5
2-Fluorophenol
Concen: 87.857 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion:112 Resp: 450284
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.2 25.7 38.5





#7

Phenol-d6

Concen: 87.237 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

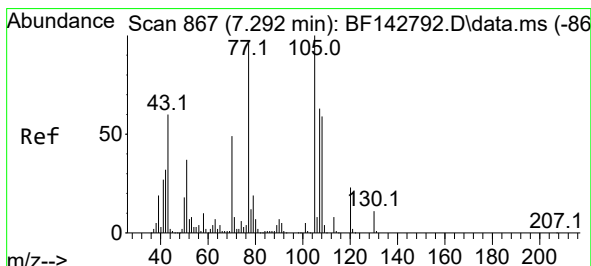
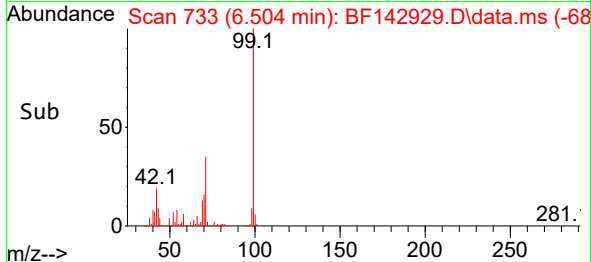
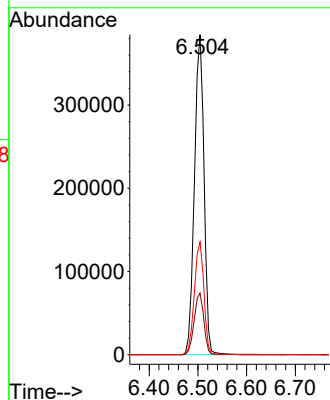
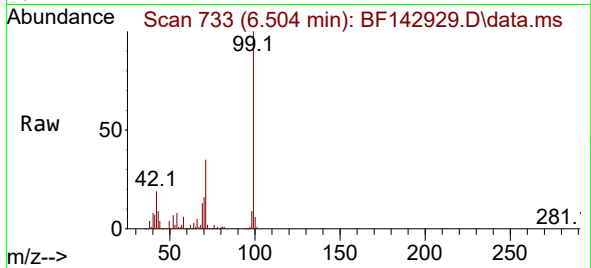
Tgt Ion: 99 Resp: 527501

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 35.3 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.511 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Tgt Ion: 70 Resp: 43999

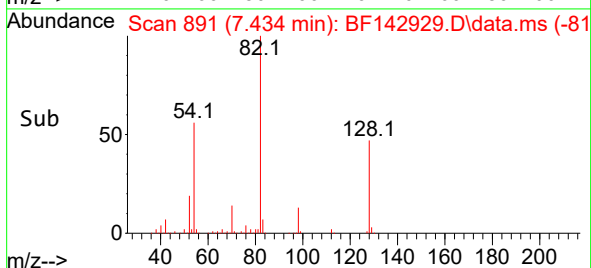
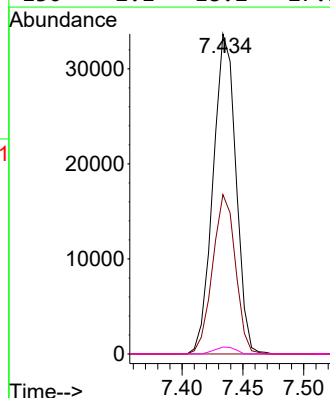
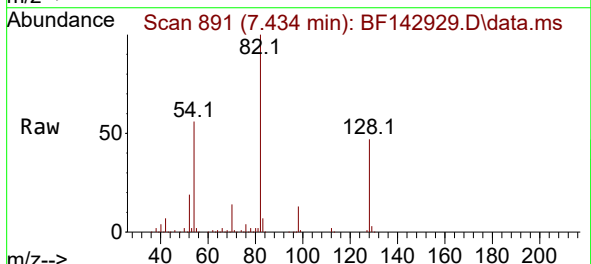
Ion Ratio Lower Upper

70 100

42 49.8 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# 1

Delta R.T. -0.012 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

Tgt Ion:136 Resp: 316172

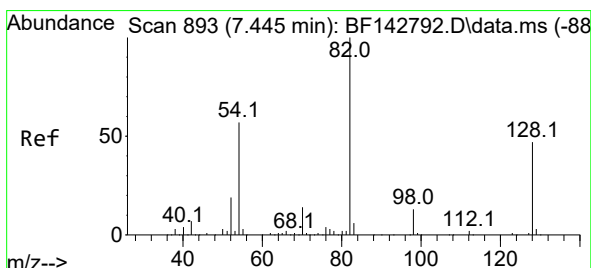
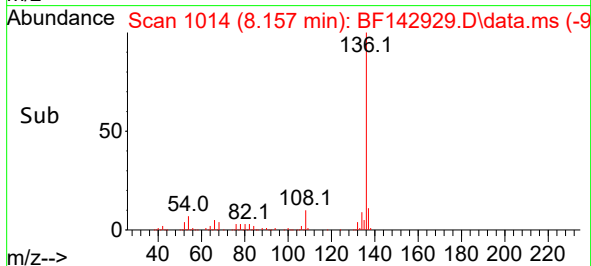
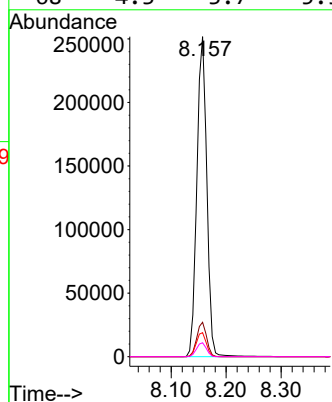
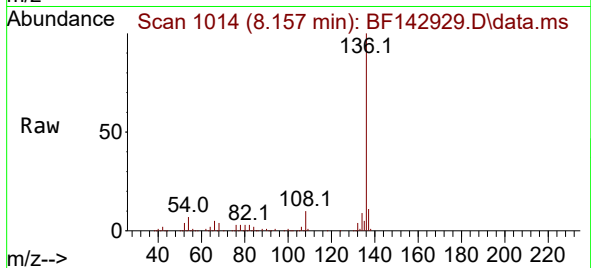
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.5 6.3 9.5

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 55.670 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

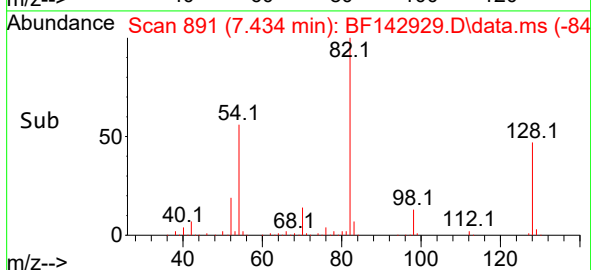
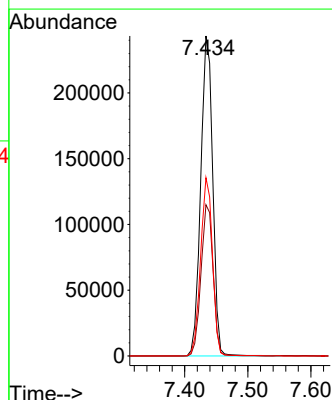
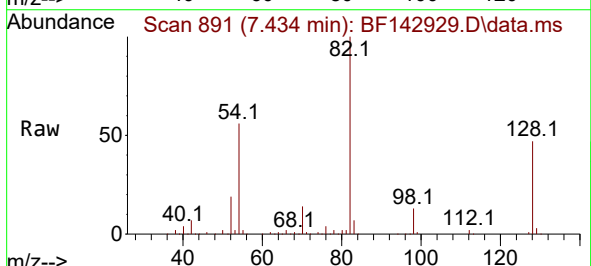
Tgt Ion: 82 Resp: 320893

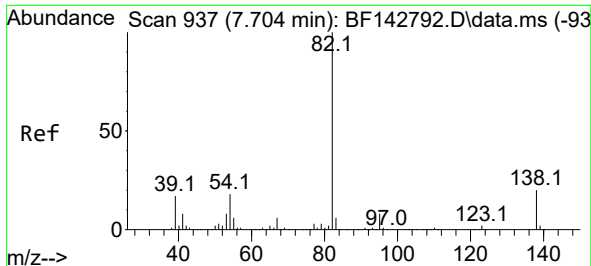
Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 55.7 45.7 68.5

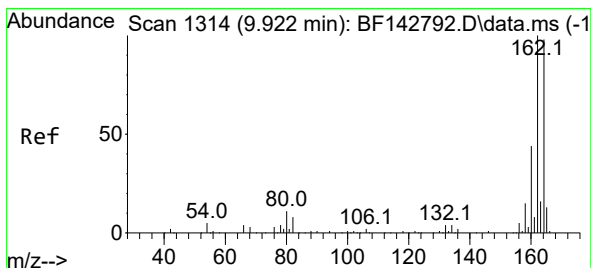
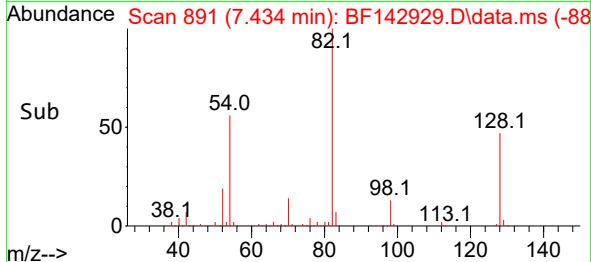
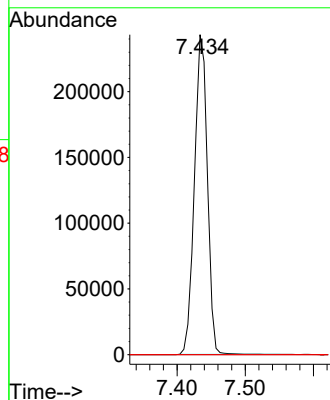
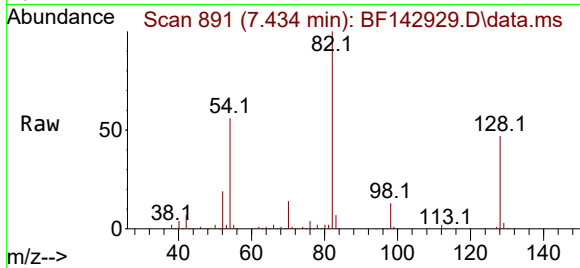




#25
Isophorone
Concen: 34.478 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

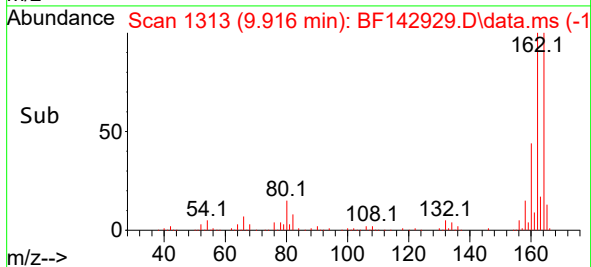
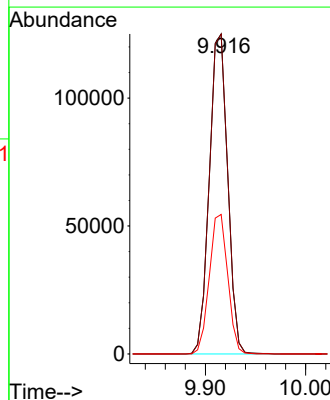
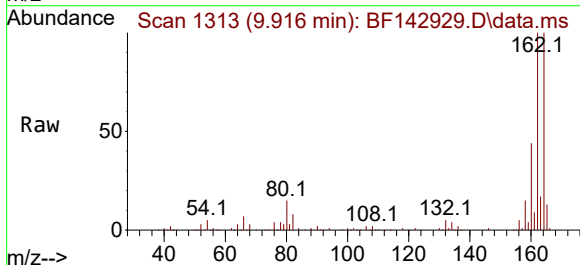
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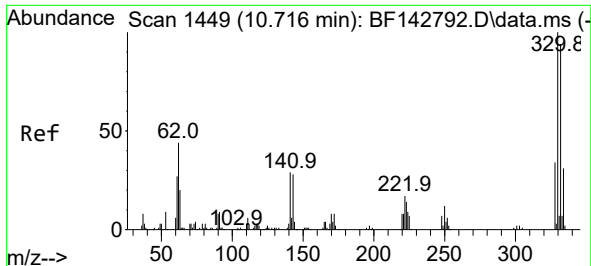
Tgt Ion: 82 Resp: 318804
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

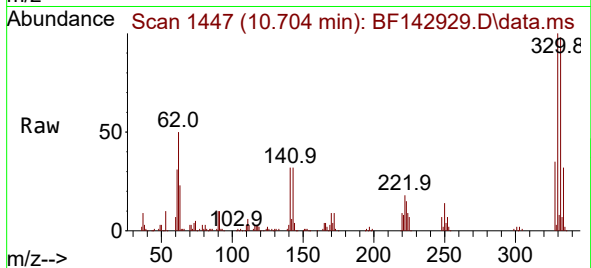
Tgt Ion:164 Resp: 159254
Ion Ratio Lower Upper
164 100
162 99.9 81.8 122.8
160 43.6 36.0 54.0



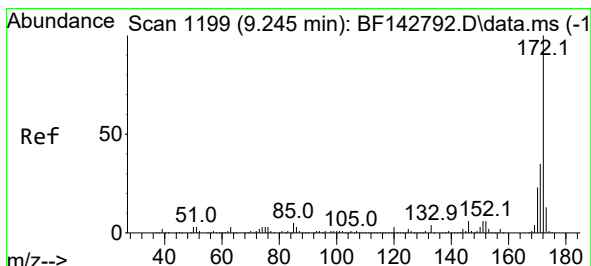
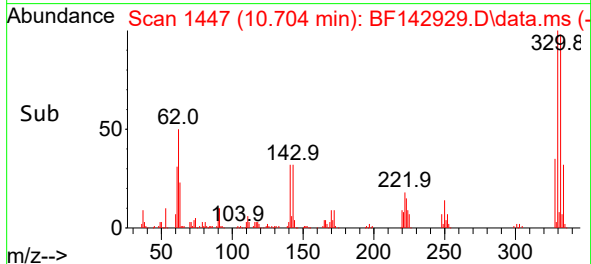
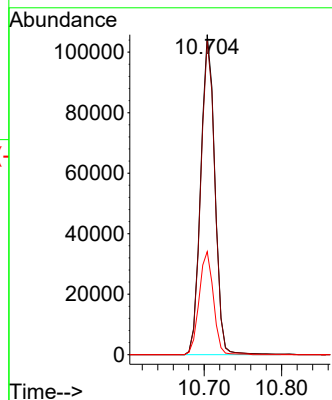


#42
2,4,6-Tribromophenol
Concen: 81.751 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Instrument :
BNA_F
ClientSampleId :
TP-84

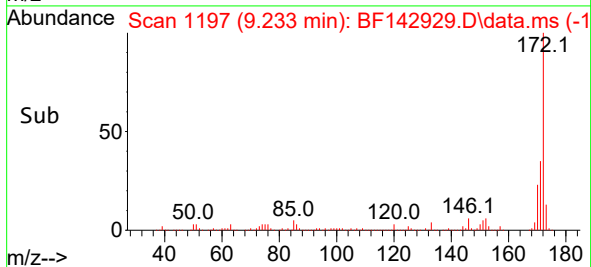
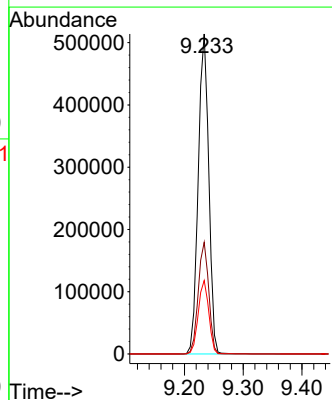
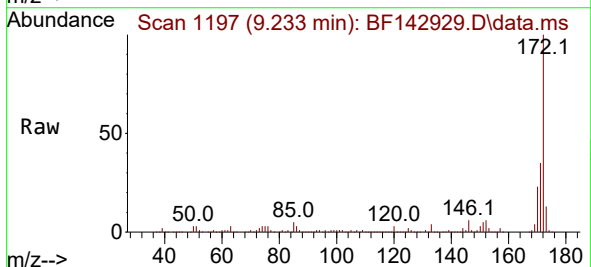


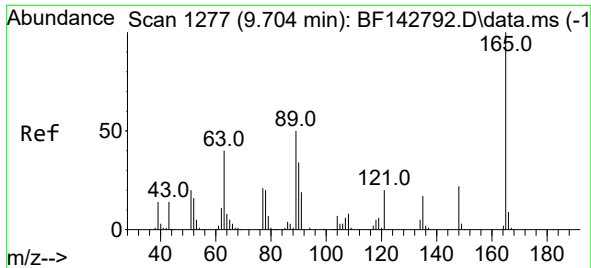
Tgt Ion:330 Resp: 133976
Ion Ratio Lower Upper
330 100
332 97.9 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 52.749 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion:172 Resp: 639464
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.9 18.5 27.7

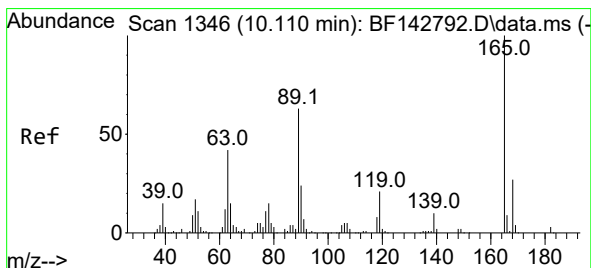
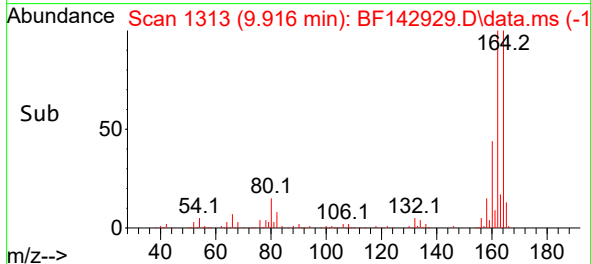
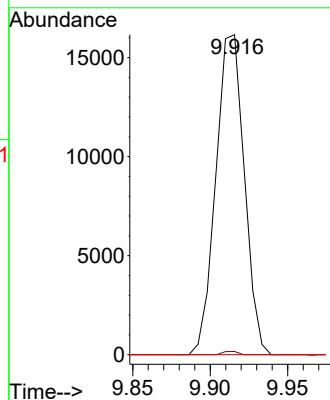
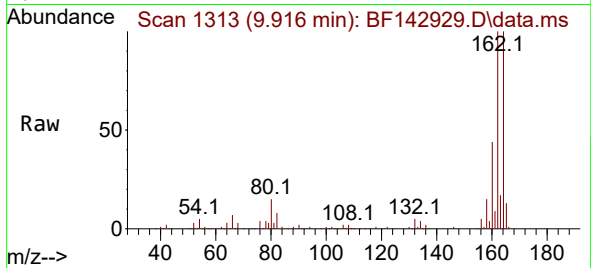




#51
2,6-Dinitrotoluene
Concen: 9.138 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

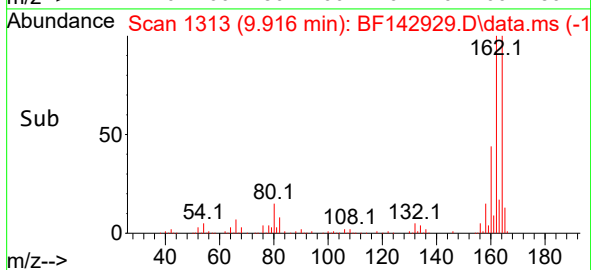
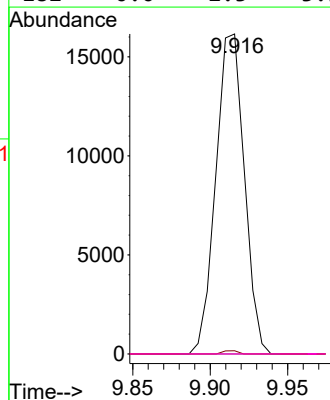
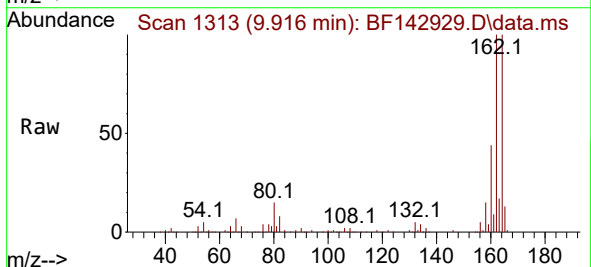
Instrument :
BNA_F
ClientSampleId :
TP-84

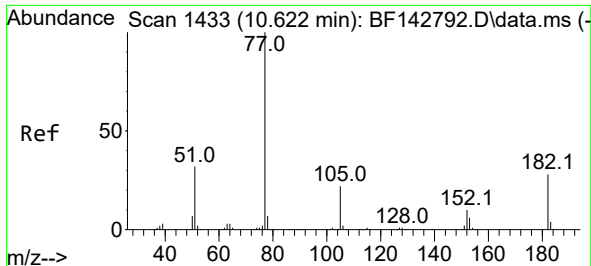
Tgt Ion:165 Resp: 20688
Ion Ratio Lower Upper
165 100
63 1.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.880 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion:165 Resp: 20688
Ion Ratio Lower Upper
165 100
63 1.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

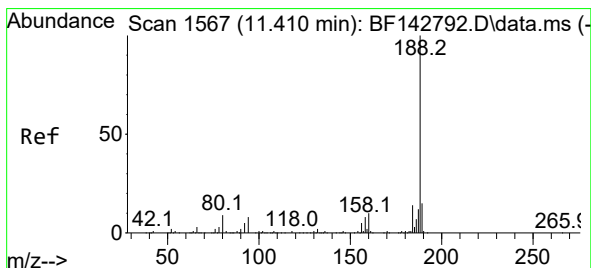
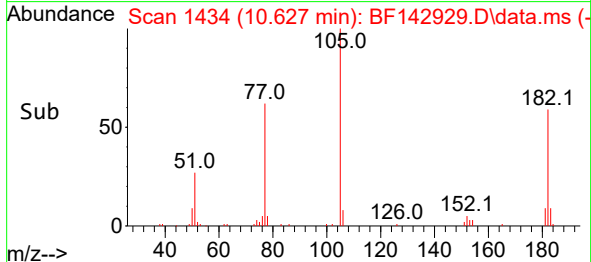
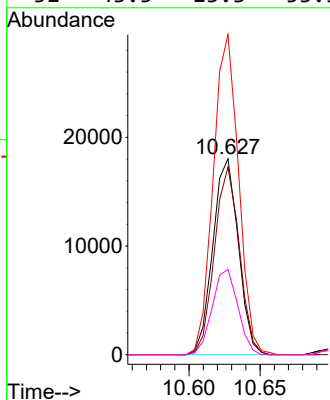
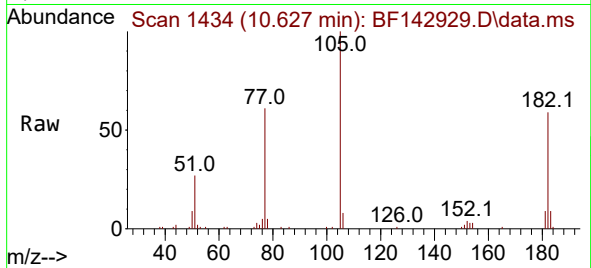




#63
Azobenzene
Concen: 2.492 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

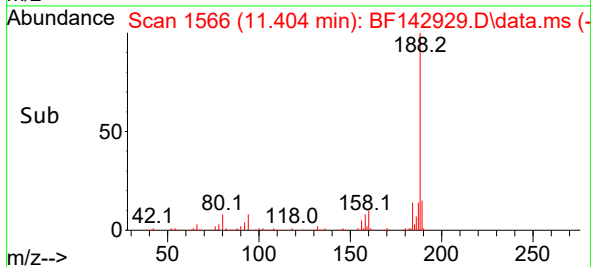
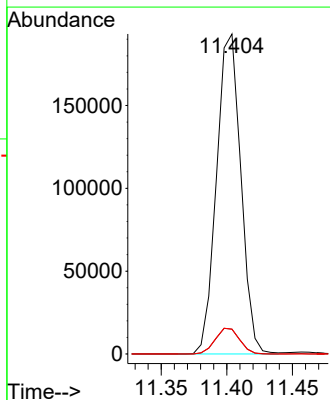
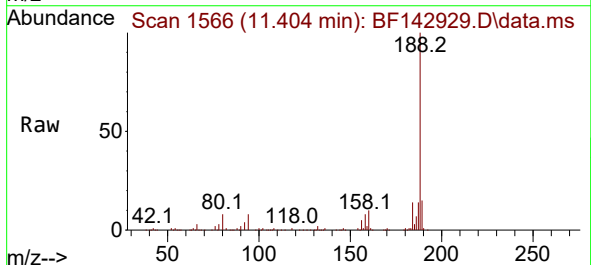
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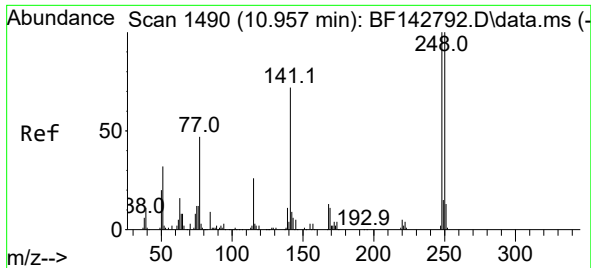
Tgt Ion: 77 Resp: 22511
Ion Ratio Lower Upper
77 100
182 95.7 7.7 47.7#
105 163.4 1.9 41.9#
51 43.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion: 188 Resp: 249233
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.7 6.9 10.3

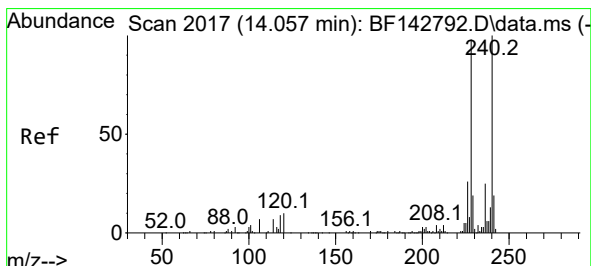
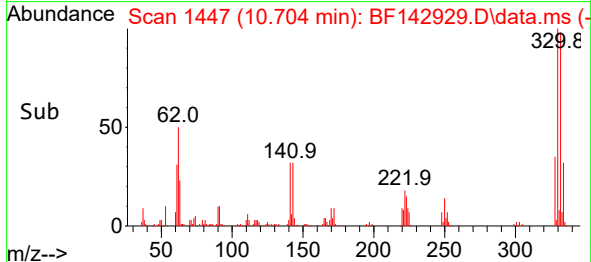
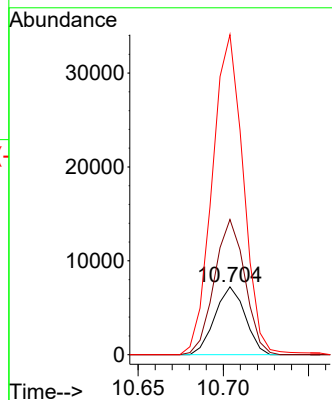
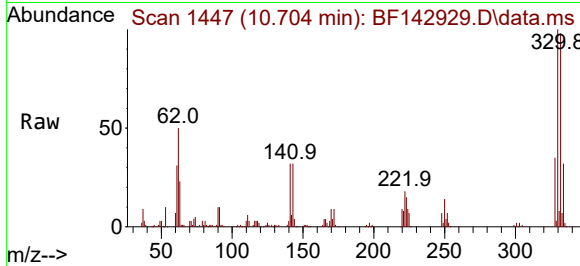




#67
4-Bromophenyl-phenylether
Concen: 3.148 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

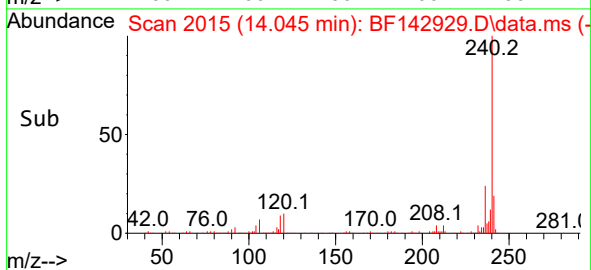
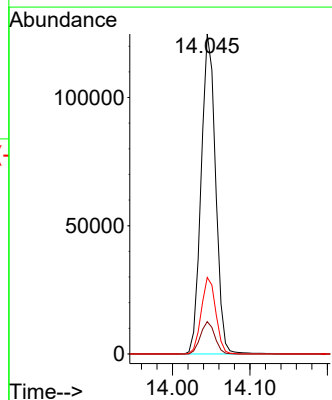
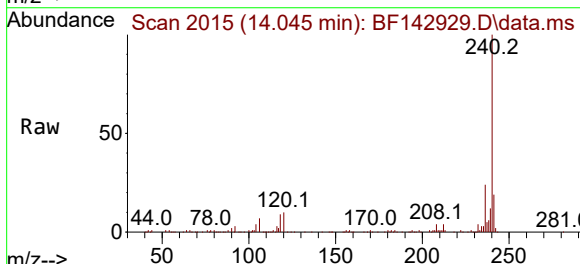
Instrument :
BNA_F
ClientSampleId :
TP-84

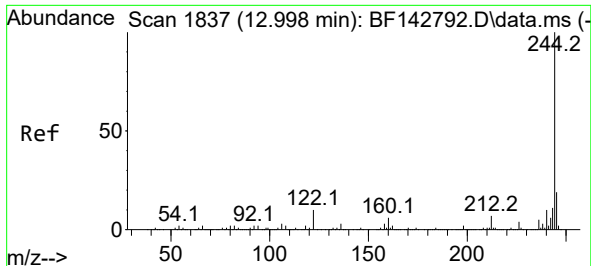
Tgt Ion	248	250	141
Resp:	8930		
Ion Ratio	100	199.2	471.5
Lower		79.8	57.8
Upper		119.8#	86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion	240	120	236
Resp:	161494		
Ion Ratio	100	10.1	23.9
Lower		8.2	19.8
Upper		12.2	29.8

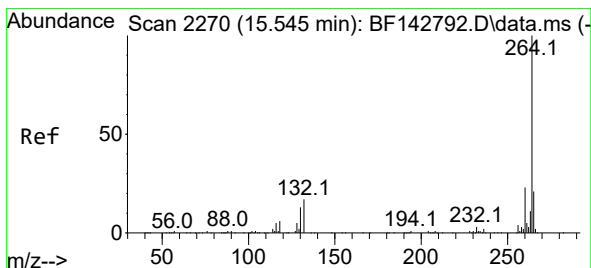
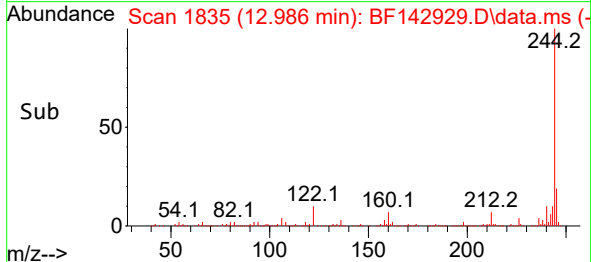
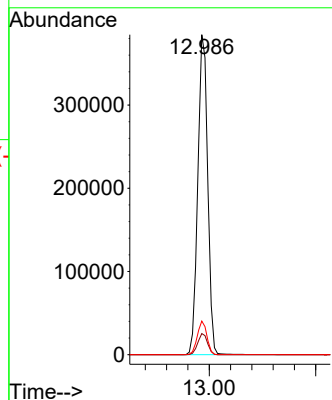
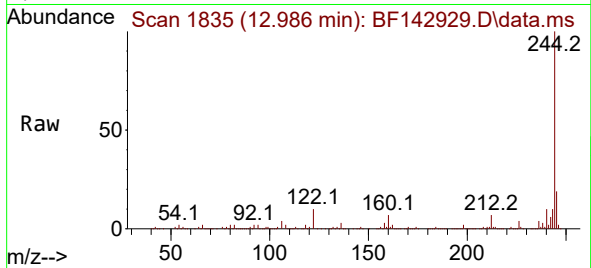




#79
 Terphenyl-d14
 Concen: 42.400 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142929.D
 Acq: 30 Jun 2025 22:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-84

Tgt Ion:244 Resp: 495576
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.5 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: BF142929.D
 Acq: 30 Jun 2025 22:15

Tgt Ion:264 Resp: 195795
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.1 27.1
 265 21.4 16.6 25.0

