

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142925.D
 Acq On : 30 Jun 2025 20:14
 Operator : RC/JU
 Sample : Q2436-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-99

Quant Time: Jul 01 01:24:40 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)

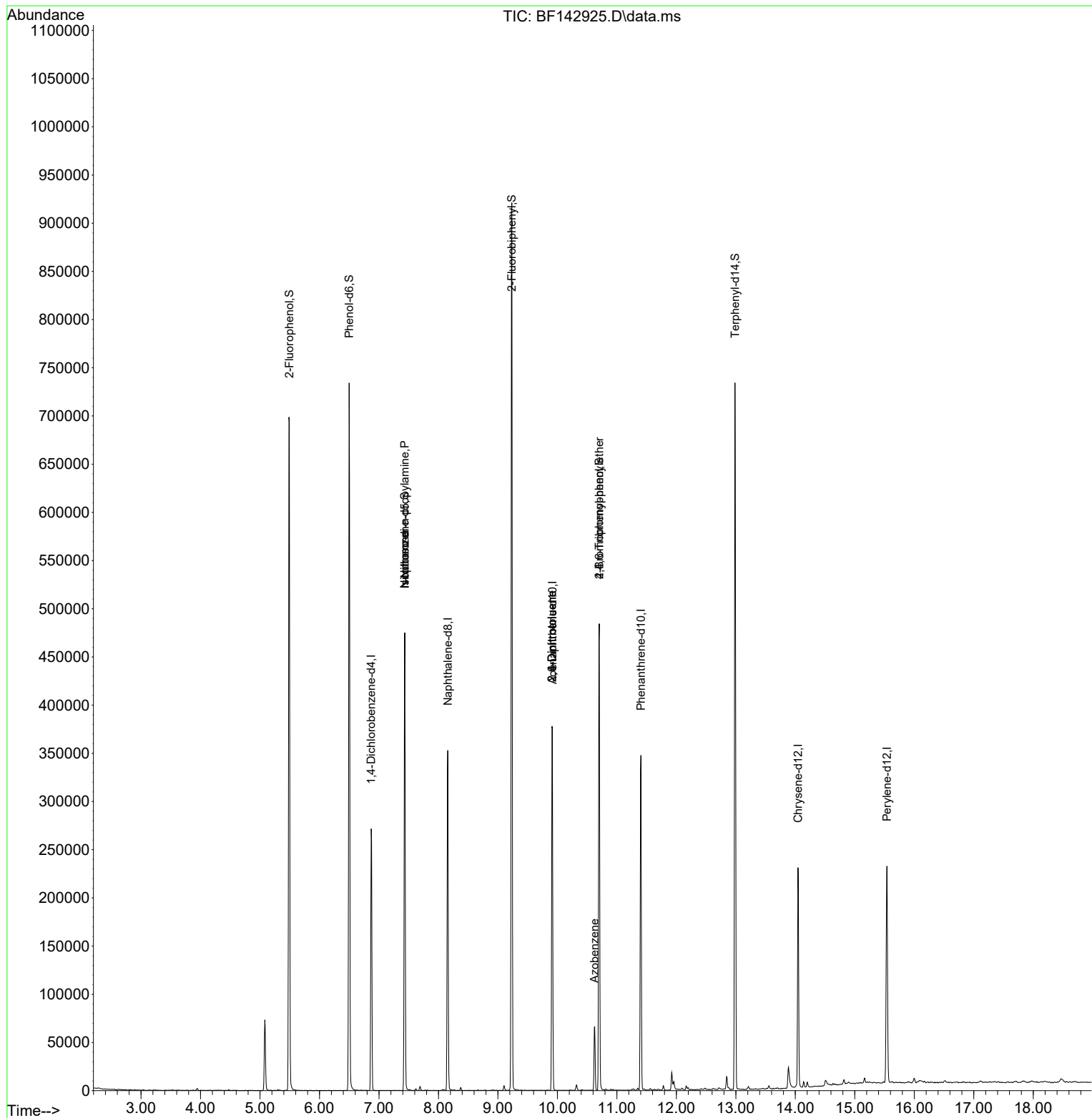
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60859	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	231337	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	118257	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	188531	20.000	ng	0.00
76) Chrysene-d12	14.045	240	113906	20.000	ng	-0.01
86) Perylene-d12	15.539	264	131680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	275639	75.407	ng	0.00
7) Phenol-d6	6.498	99	329894	76.495	ng	-0.01
23) Nitrobenzene-d5	7.434	82	197695	46.874	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	84711	69.610	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	430337	47.805	ng	-0.01
79) Terphenyl-d14	12.986	244	351428	42.629	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26435	10.539	ng	# 74
25) Isophorone	7.434	82	196068	28.980	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14923	8.877	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	14923	6.683	ng	# 26
63) Azobenzene	10.622	77	16093	2.399	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5638	2.628	ng	# 1

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

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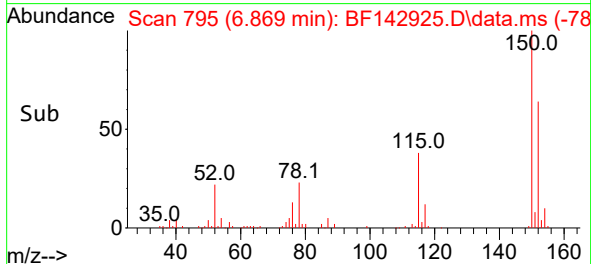
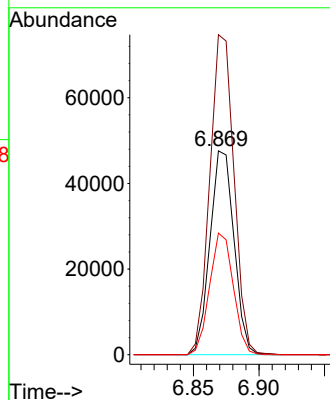
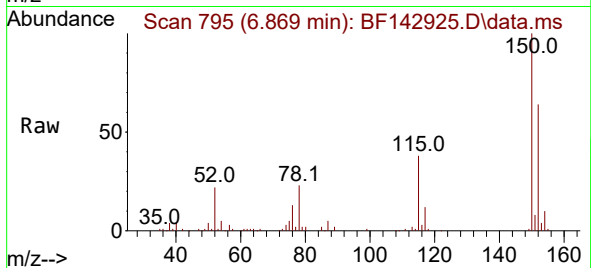




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

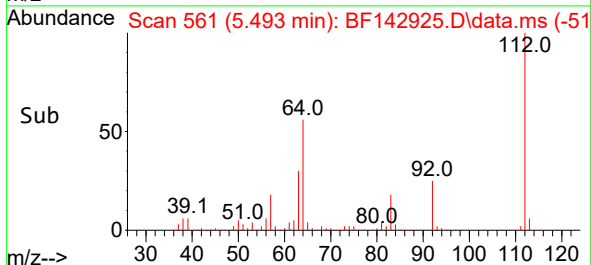
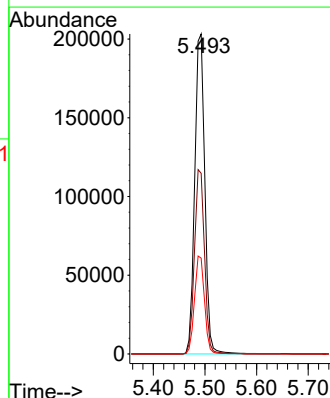
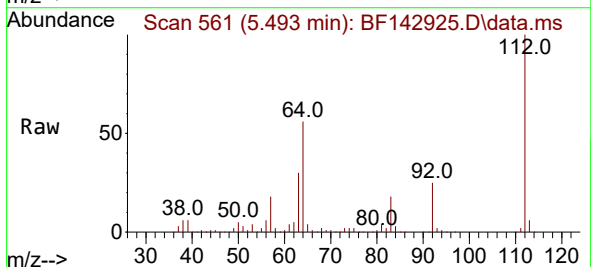
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TP-99

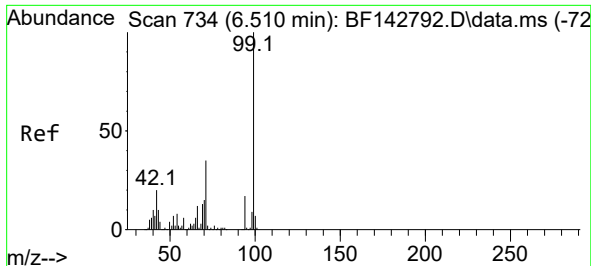
Tgt Ion:152 Resp: 60859
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 59.7 46.6 69.8



#5
2-Fluorophenol
Concen: 75.407 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:112 Resp: 275639
Ion Ratio Lower Upper
112 100
64 56.5 48.2 72.2
63 30.0 25.7 38.5





#7

Phenol-d6

Concen: 76.495 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-99

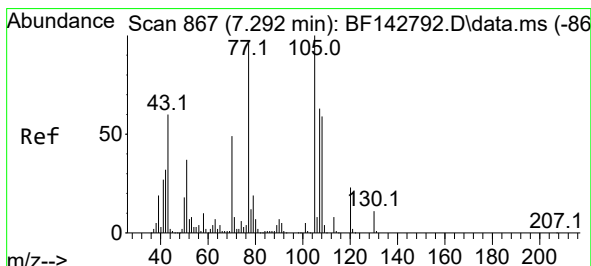
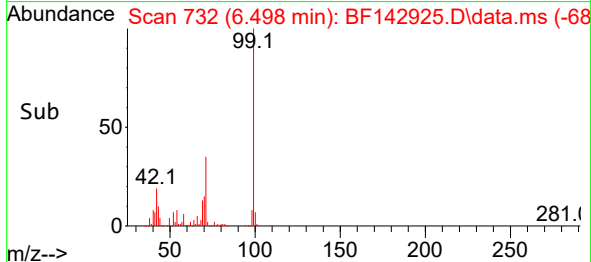
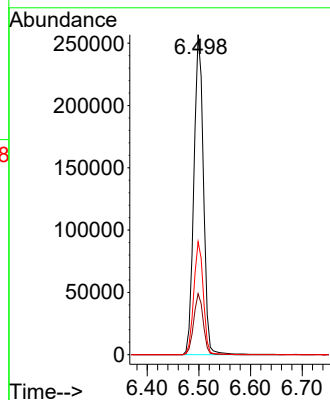
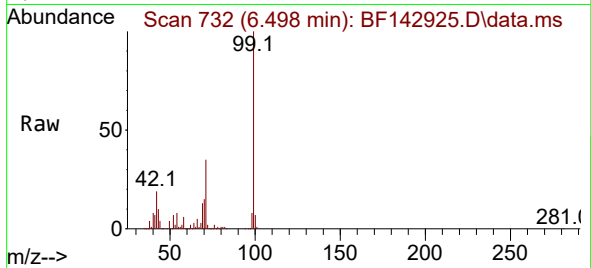
Tgt Ion: 99 Resp: 329894

Ion Ratio Lower Upper

99 100

42 19.1 15.9 23.9

71 35.3 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.539 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

Tgt Ion: 70 Resp: 26435

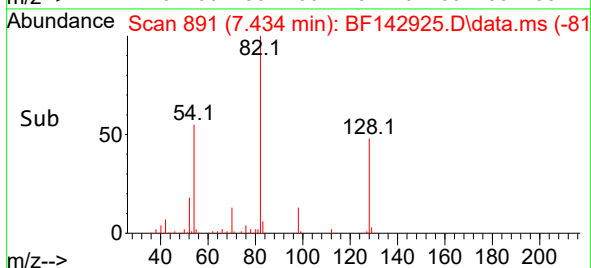
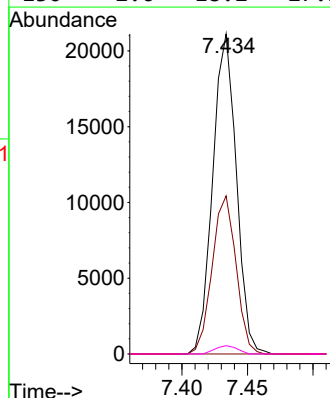
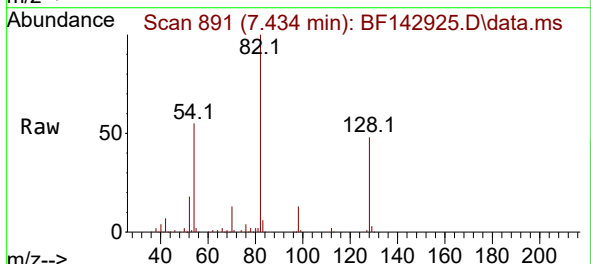
Ion Ratio Lower Upper

70 100

42 49.4 52.1 78.1#

101 0.0 8.2 12.2#

130 2.6 18.2 27.2#

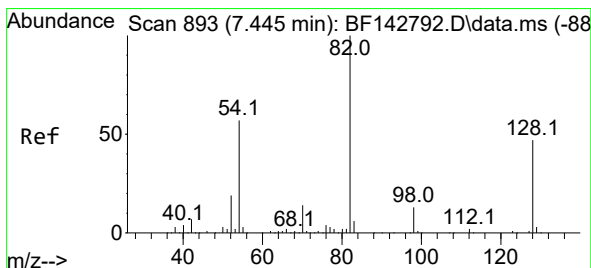
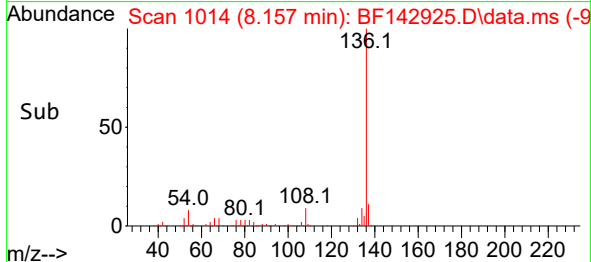
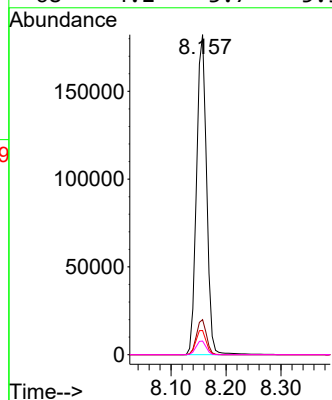
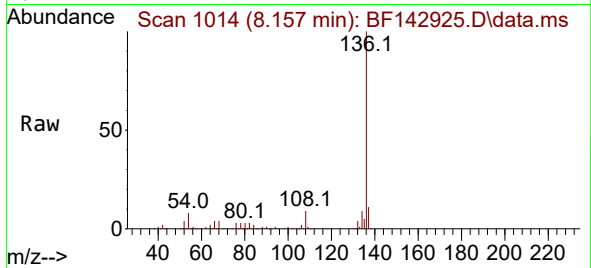




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

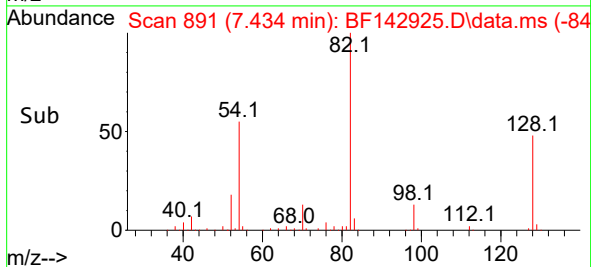
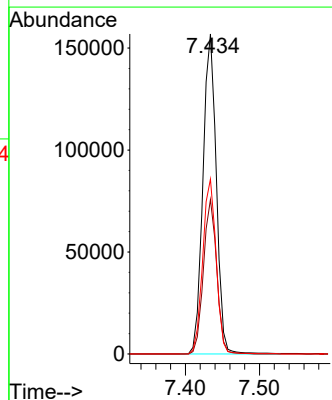
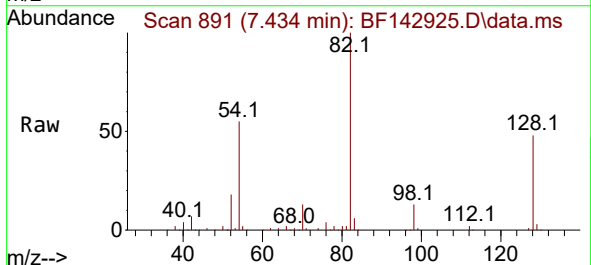
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BNA_F
ClientSampleId :
TP-99

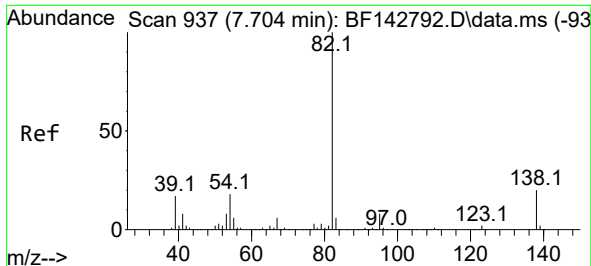
Tgt Ion:136 Resp: 231337
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.3 9.5
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 46.874 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion: 82 Resp: 197695
Ion Ratio Lower Upper
82 100
128 48.3 37.7 56.5
54 54.7 45.7 68.5

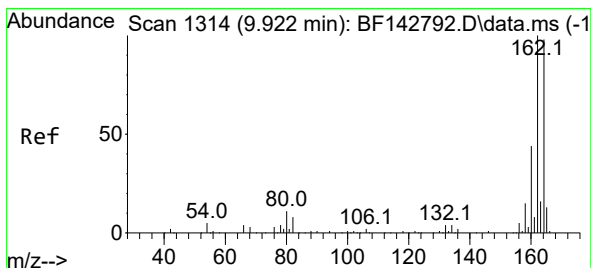
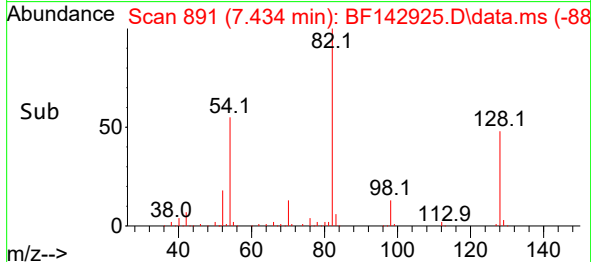
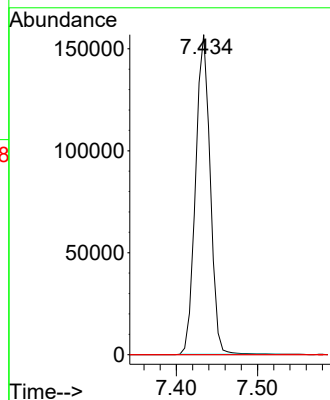
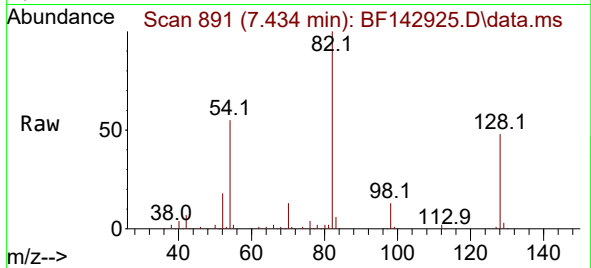




#25
Isophorone
Concen: 28.980 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

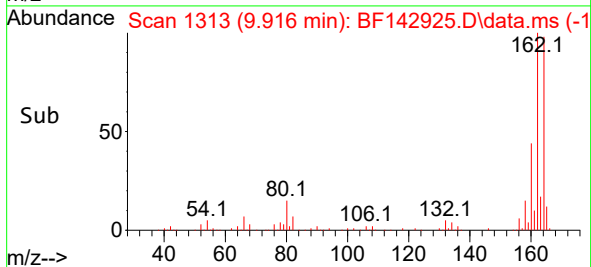
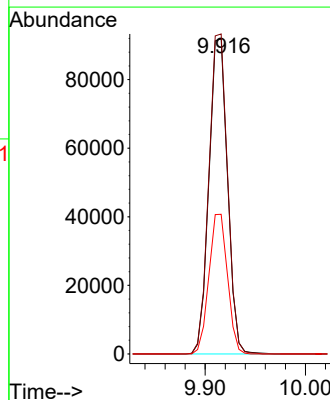
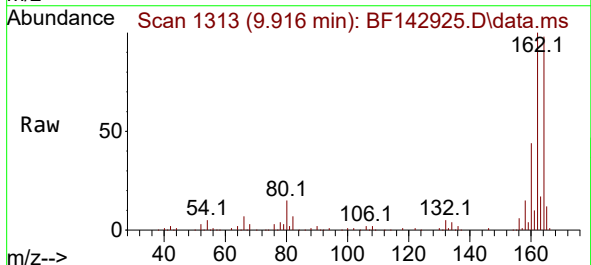
Instrument :
BNA_F
ClientSampleId :
TP-99

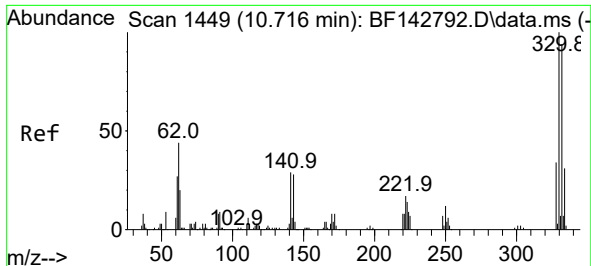
Tgt Ion: 82 Resp: 196068
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:164 Resp: 118257
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.8
160 44.3 36.0 54.0

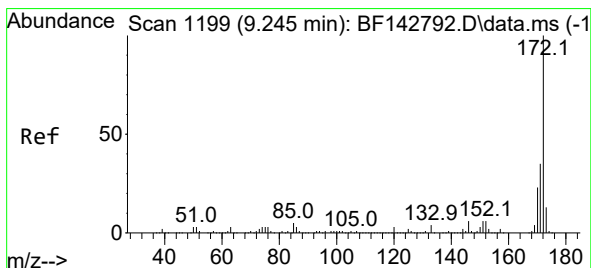
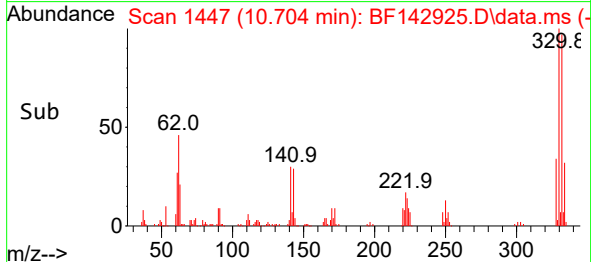
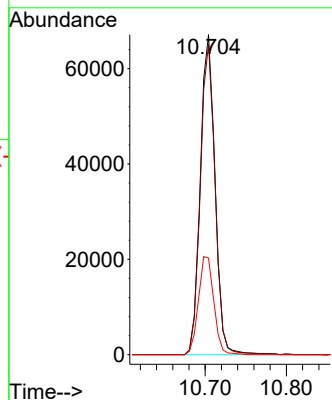
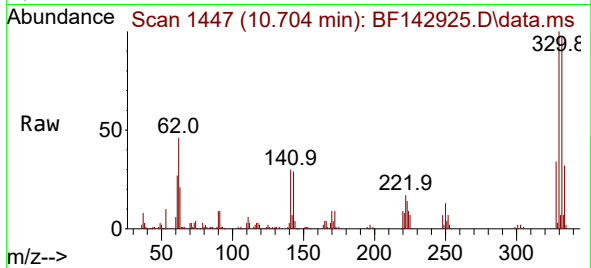




#42
2,4,6-Tribromophenol
Concen: 69.610 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

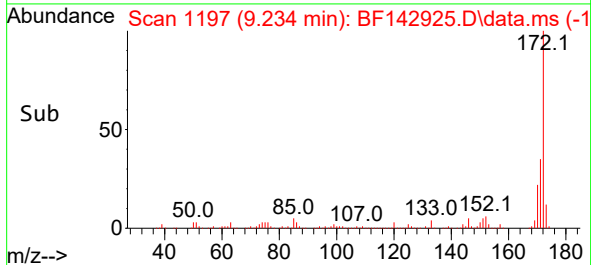
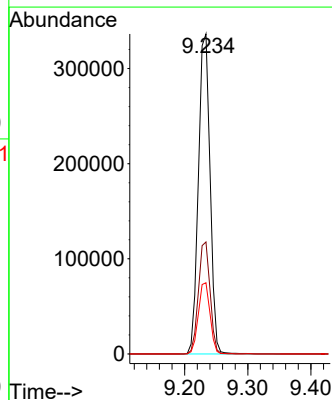
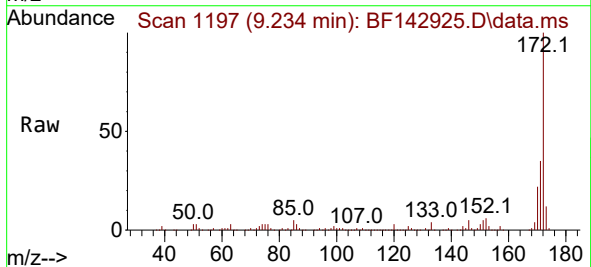
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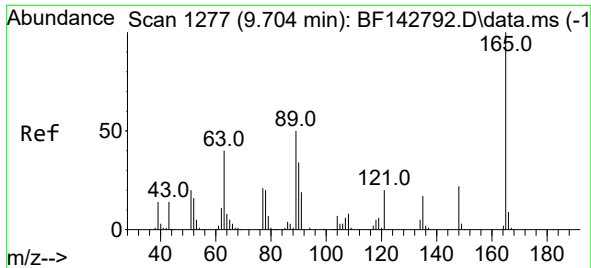
Tgt Ion:330 Resp: 84711
Ion Ratio Lower Upper
330 100
332 97.1 75.0 112.6
141 32.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 47.805 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:172 Resp: 430337
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.3 18.5 27.7

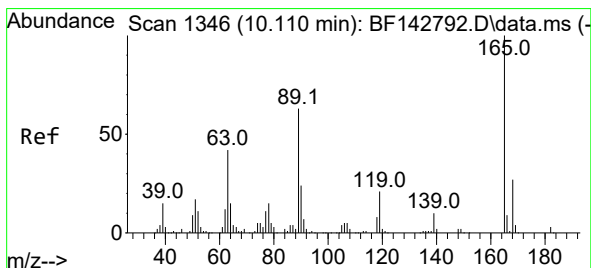
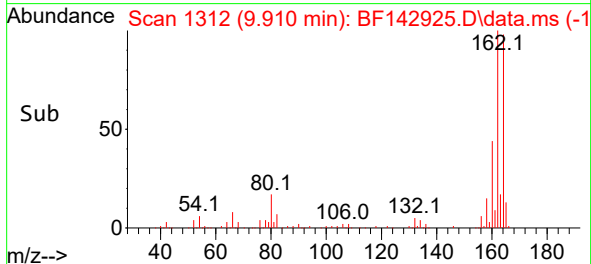
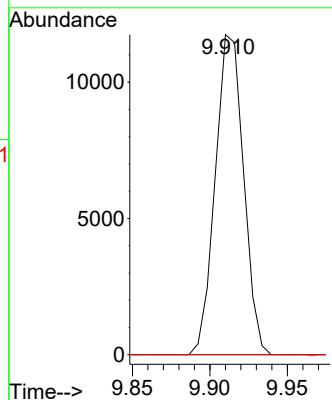
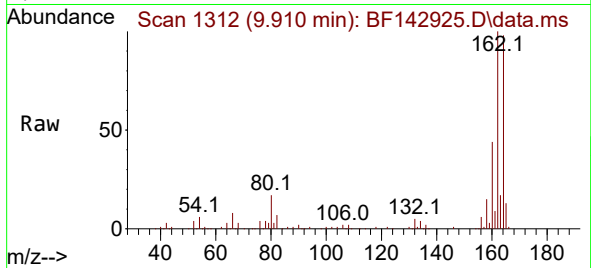




#51
2,6-Dinitrotoluene
Concen: 8.877 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

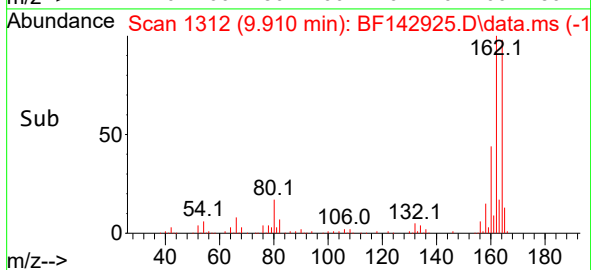
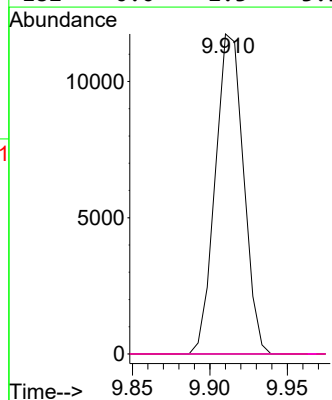
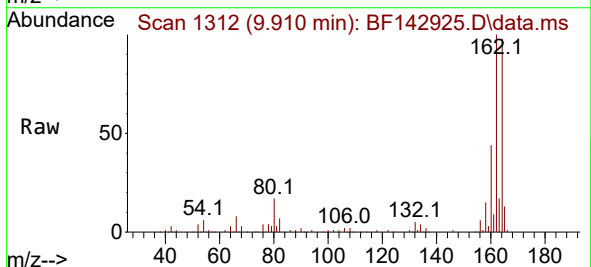
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TP-99

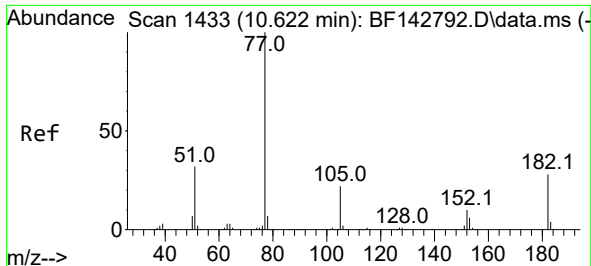
Tgt Ion:165 Resp: 14923
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.683 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:165 Resp: 14923
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#

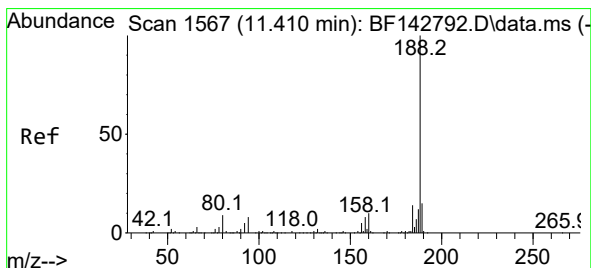
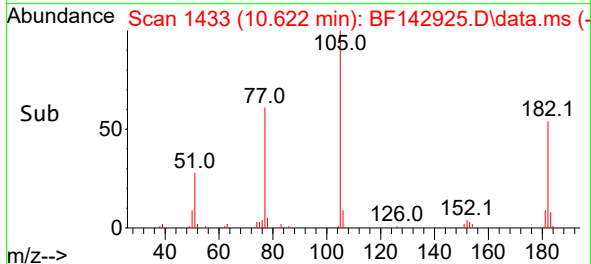
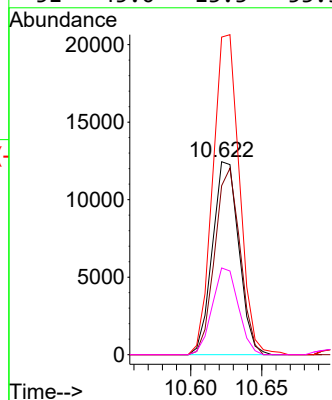
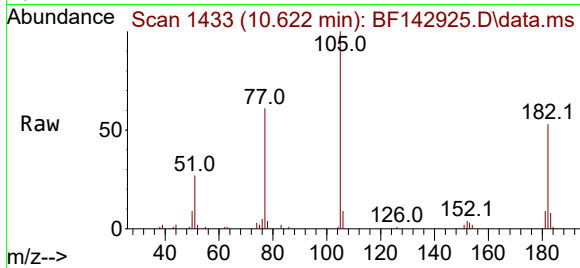




#63
Azobenzene
Concen: 2.399 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

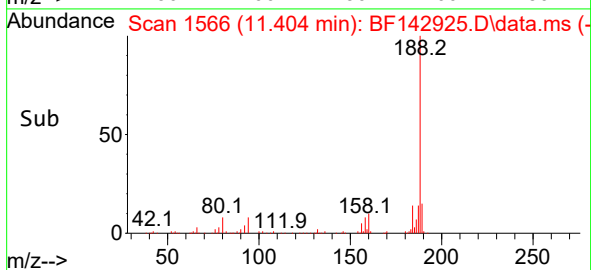
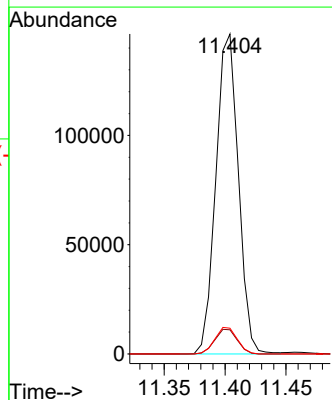
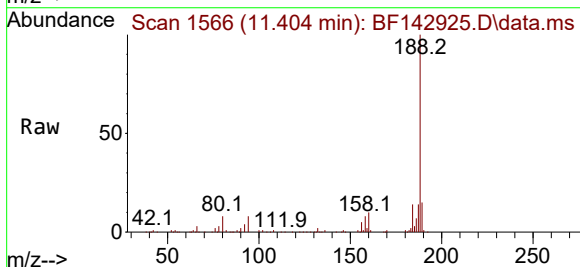
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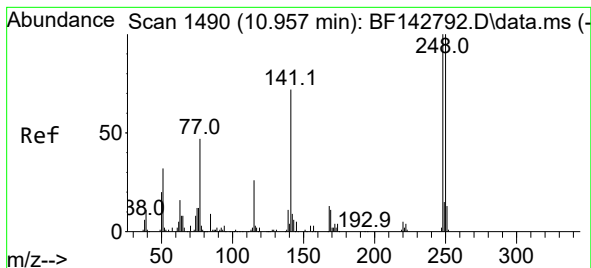
Tgt Ion: 77 Resp: 16093
Ion Ratio Lower Upper
77 100
182 87.6 7.7 47.7#
105 164.7 1.9 41.9#
51 45.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion: 188 Resp: 188531
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.1 6.9 10.3

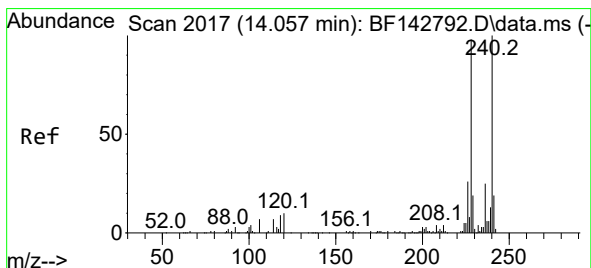
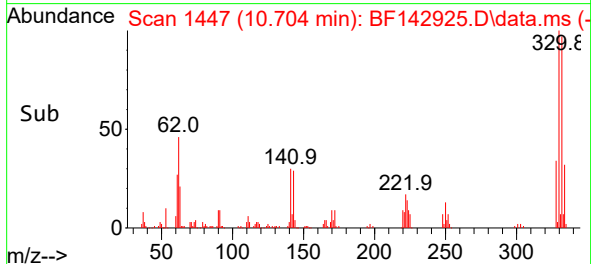
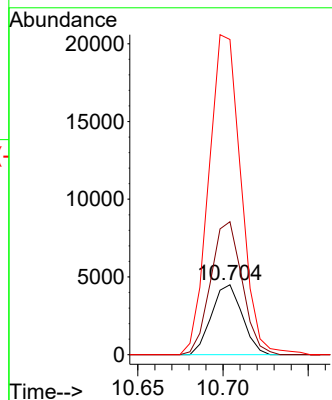
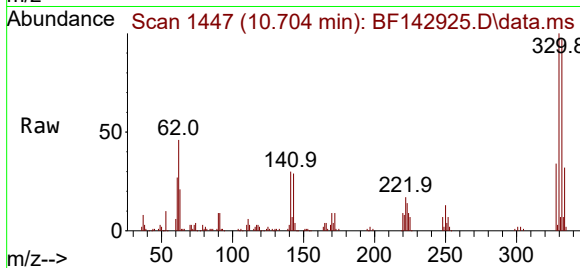




#67
4-Bromophenyl-phenylether
Concen: 2.628 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

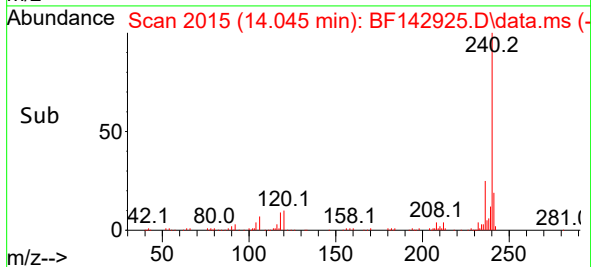
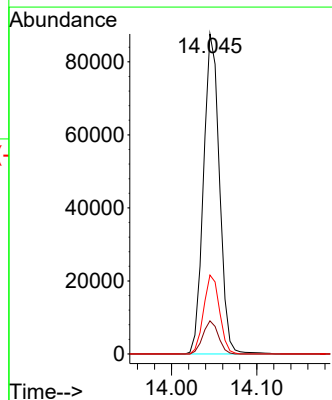
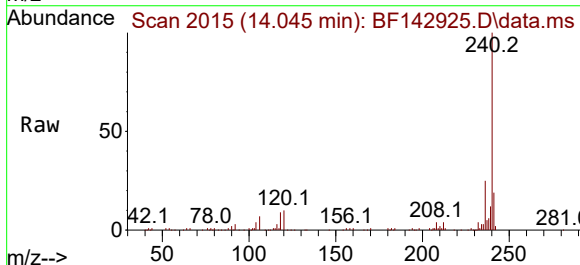
Instrument :
BNA_F
ClientSampleId :
TP-99

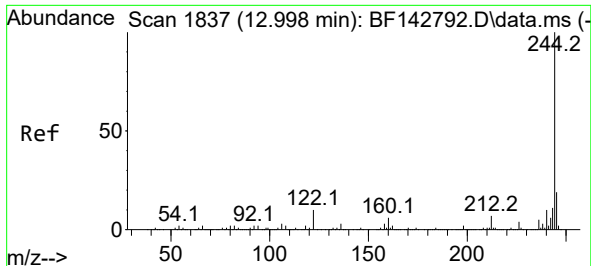
Tgt Ion:248 Resp: 5638
Ion Ratio Lower Upper
248 100
250 190.3 79.8 119.8#
141 451.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:240 Resp: 113906
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 24.6 19.8 29.8

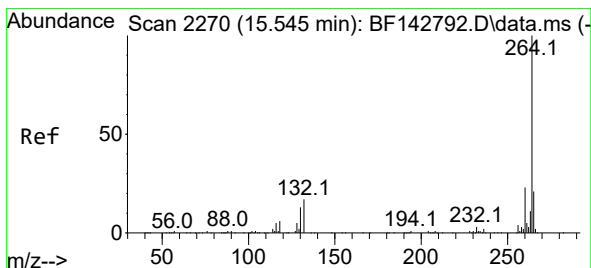
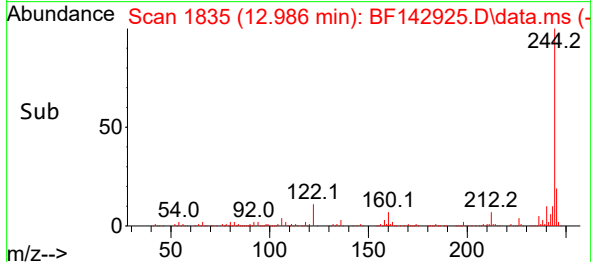
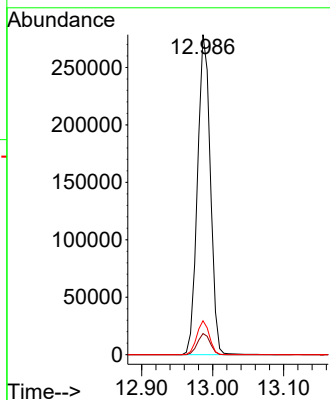
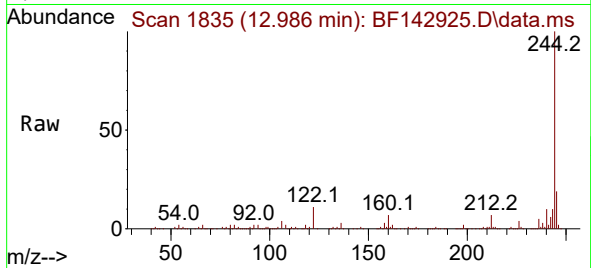




#79
 Terphenyl-d14
 Concen: 42.629 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142925.D
 Acq: 30 Jun 2025 20:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-99

Tgt Ion:244 Resp: 351428
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.6 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: BF142925.D
 Acq: 30 Jun 2025 20:14

Tgt Ion:264 Resp: 131680
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.1 27.1
 265 21.6 16.6 25.0

