

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142851.D
 Acq On : 25 Jun 2025 22:10
 Operator : RC/JU
 Sample : Q2399-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-7

Quant Time: Jun 26 01:21:35 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)

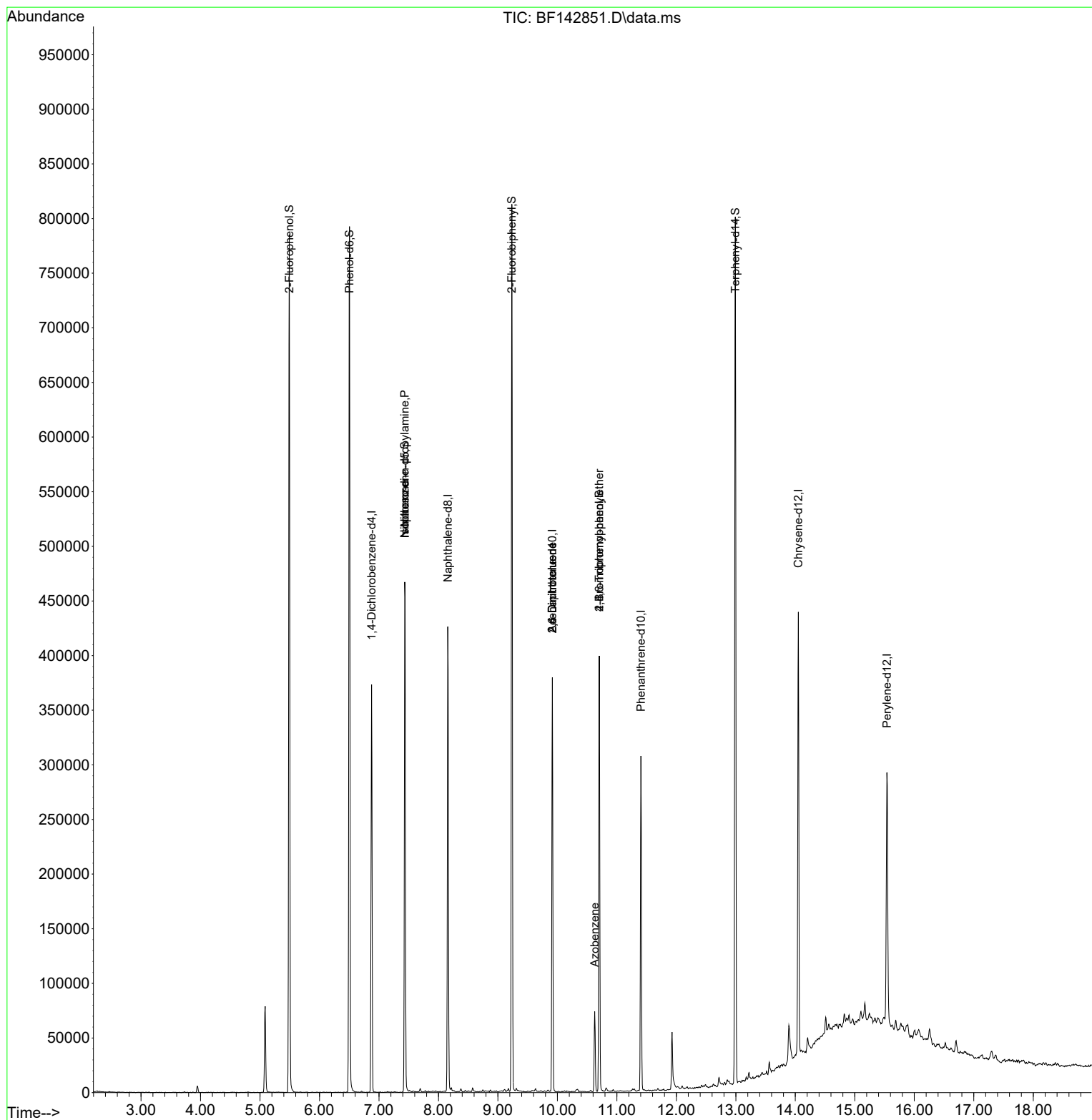
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81169	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	274804	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110240	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	157903	20.000	ng	0.00
76) Chrysene-d12	14.051	240	193118	20.000	ng	0.00
86) Perylene-d12	15.539	264	136335	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	295383	60.588	ng	0.00
7) Phenol-d6	6.504	99	364973	63.453	ng	0.00
23) Nitrobenzene-d5	7.434	82	198542	39.629	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	66453	58.578	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	354396	42.232	ng	-0.01
79) Terphenyl-d14	12.992	244	378179	27.058	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26496	7.920	ng	# 77
25) Isophorone	7.434	82	198539	24.704	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14259	9.099	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14259	6.850	ng	# 26
63) Azobenzene	10.627	77	17094	2.734	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4274	2.378	ng	# 1

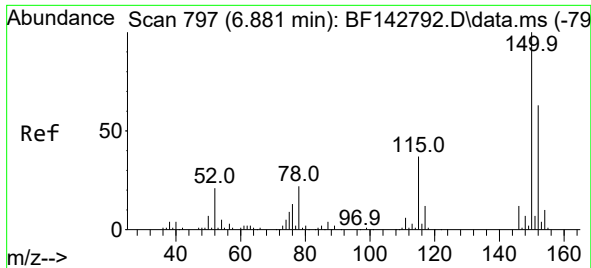
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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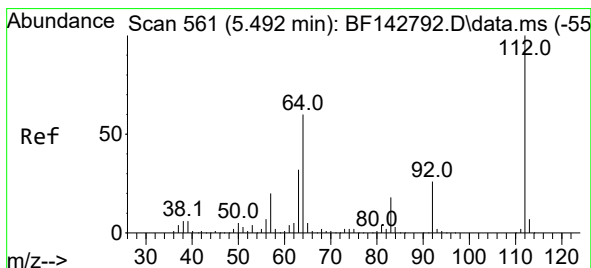
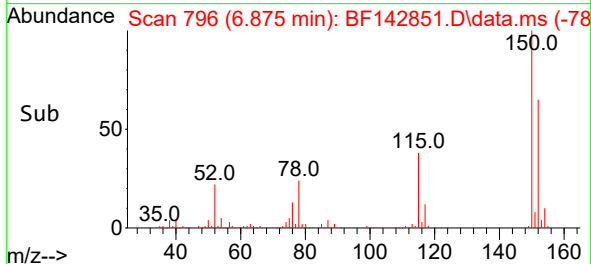
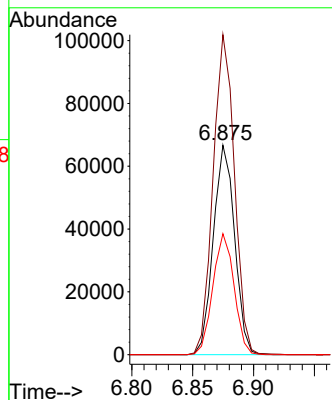
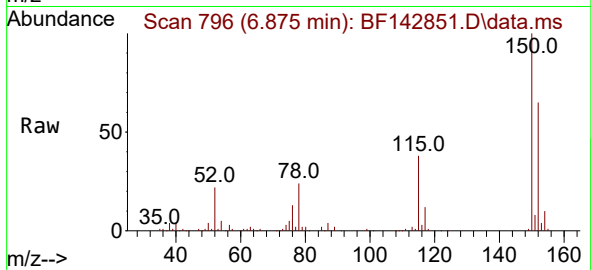




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142851.D
 Acq: 25 Jun 2025 22:10

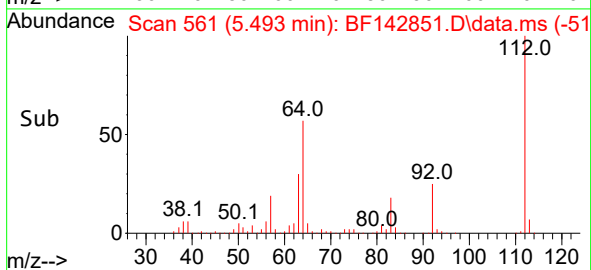
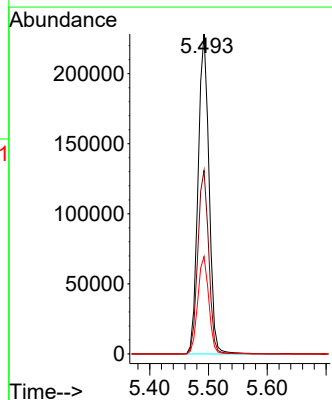
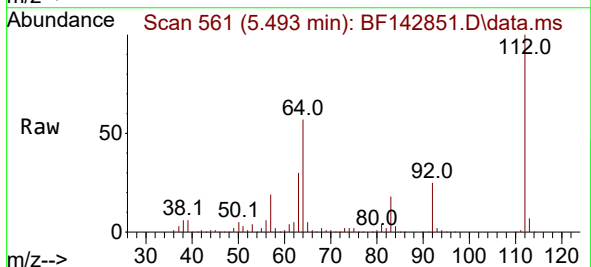
Instrument :
 BNA_F
 ClientSampleId :
 EP-7

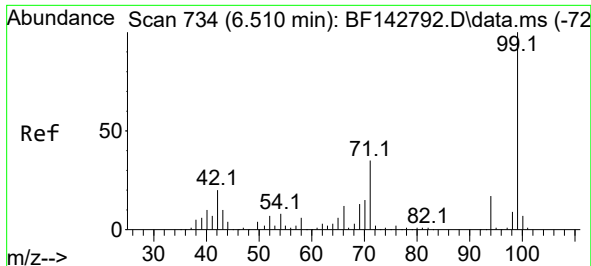
Tgt Ion:152 Resp: 81169
 Ion Ratio Lower Upper
 152 100
 150 152.8 127.2 190.8
 115 57.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 60.588 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142851.D
 Acq: 25 Jun 2025 22:10

Tgt Ion:112 Resp: 295383
 Ion Ratio Lower Upper
 112 100
 64 57.4 48.2 72.2
 63 30.4 25.7 38.5

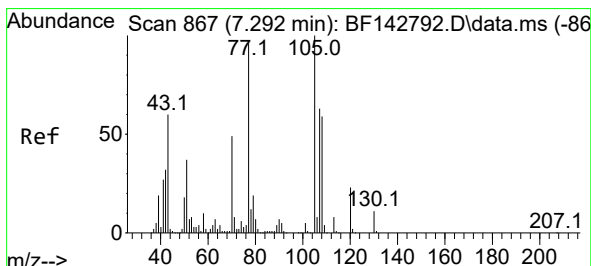
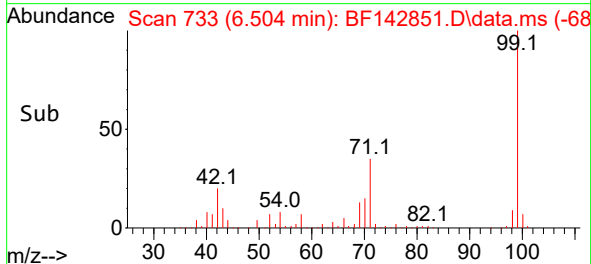
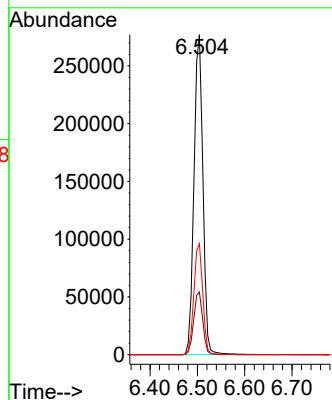
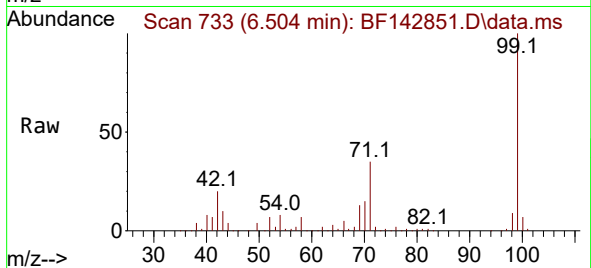




#7
Phenol-d6
Concen: 63.453 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

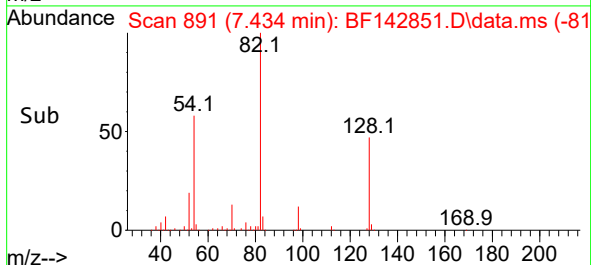
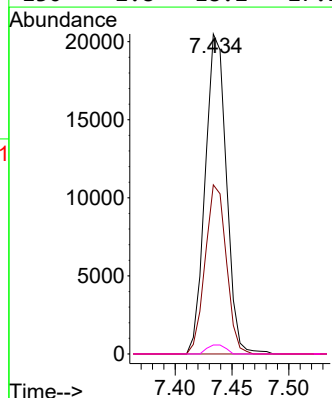
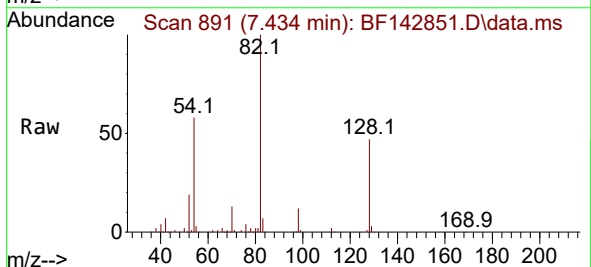
Instrument :
BNA_F
ClientSampleId :
EP-7

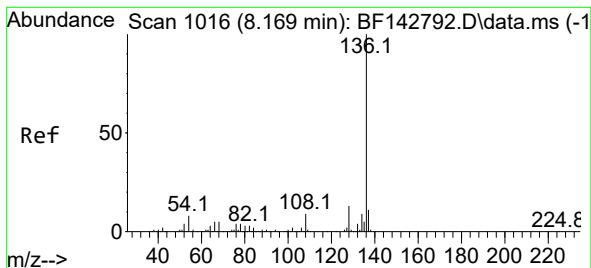
Tgt Ion: 99 Resp: 364973
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 34.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.920 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Tgt Ion: 70 Resp: 26496
Ion Ratio Lower Upper
70 100
42 52.8 52.1 78.1
101 0.0 8.2 12.2#
130 2.8 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: BF142851.D

Acq: 25 Jun 2025 22:10

Instrument :

BNA_F

ClientSampleId :

EP-7

Tgt Ion:136 Resp: 274804

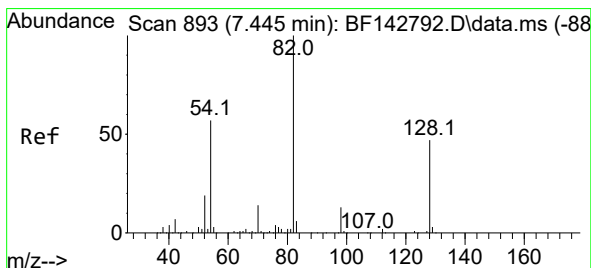
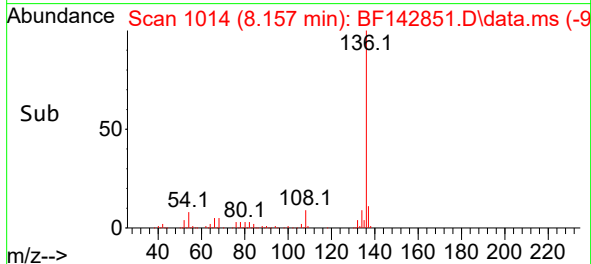
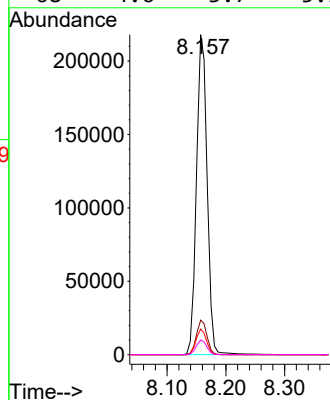
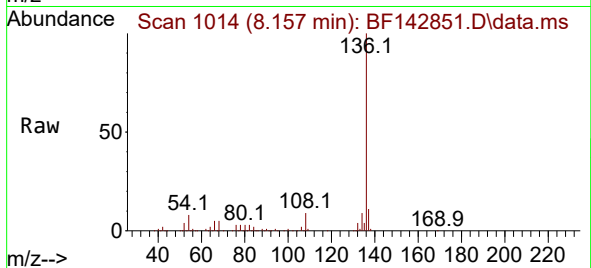
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.0 6.3 9.5

68 4.6 3.7 5.5



#23

Nitrobenzene-d5

Concen: 39.629 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142851.D

Acq: 25 Jun 2025 22:10

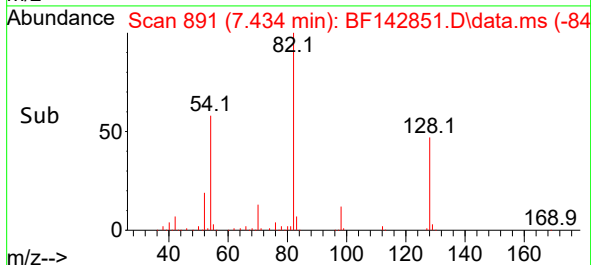
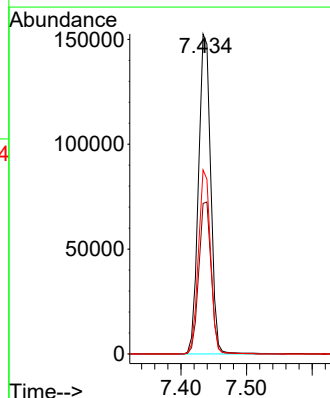
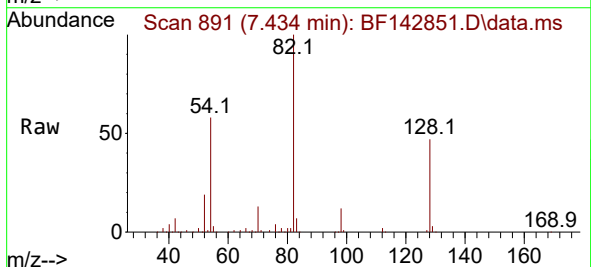
Tgt Ion: 82 Resp: 198542

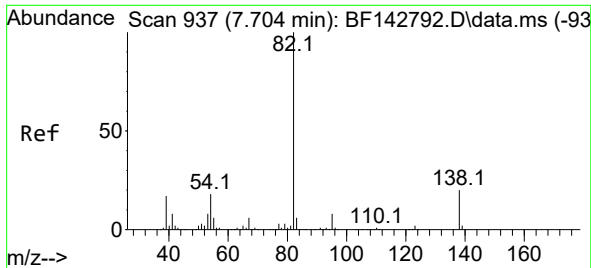
Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 57.5 45.7 68.5

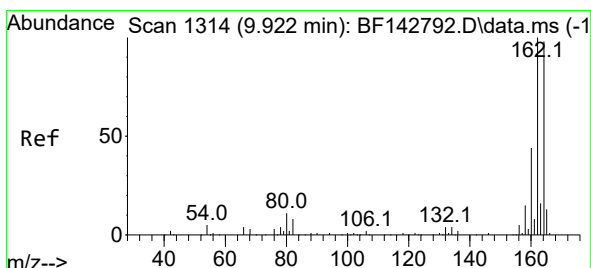
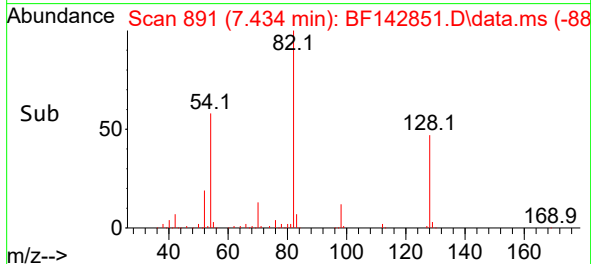
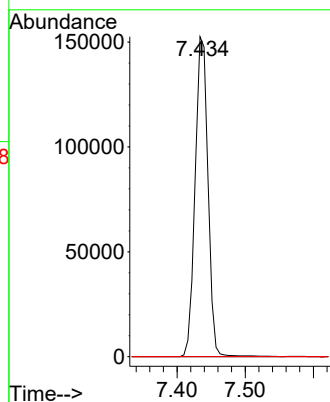
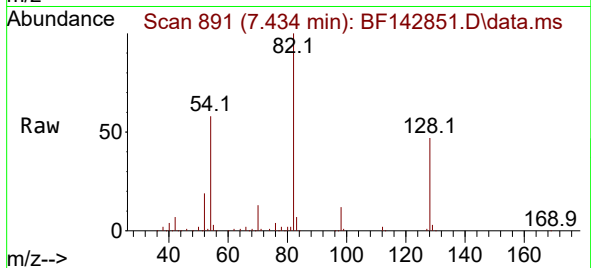




#25
Isophorone
Concen: 24.704 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

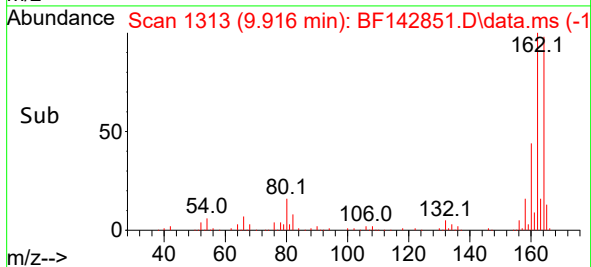
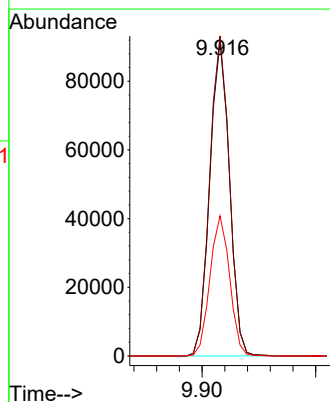
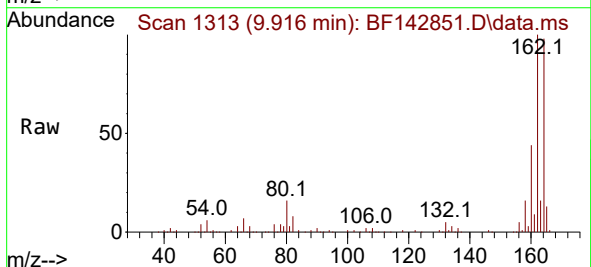
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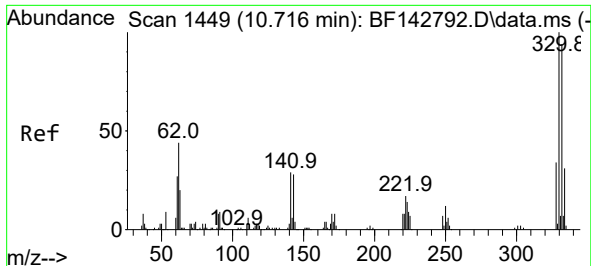
Tgt Ion: 82 Resp: 198539
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

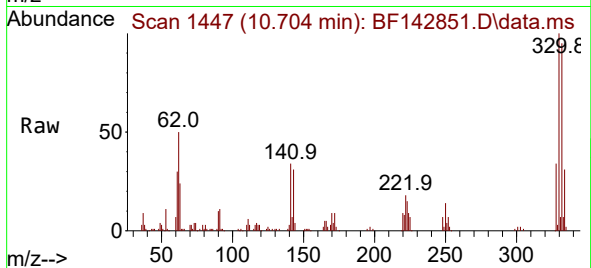
Tgt Ion:164 Resp: 110240
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.8
160 44.5 36.0 54.0



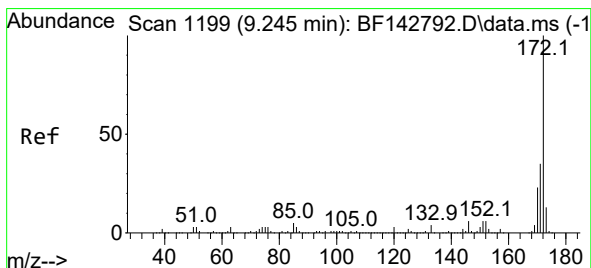
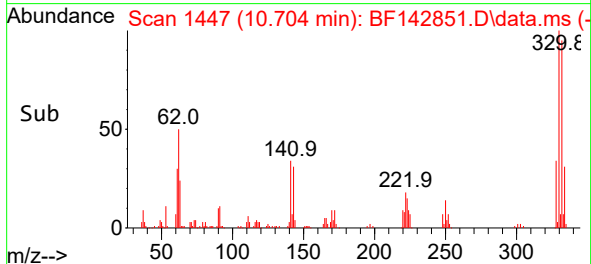
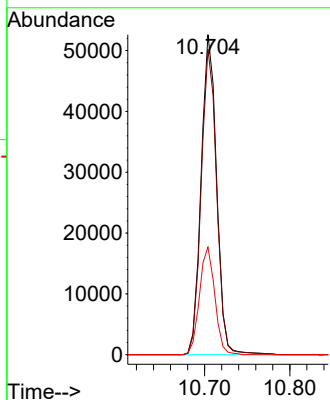


#42
2,4,6-Tribromophenol
Concen: 58.578 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Instrument :
BNA_F
ClientSampleId :
EP-7

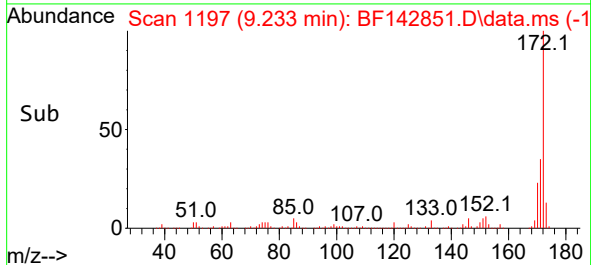
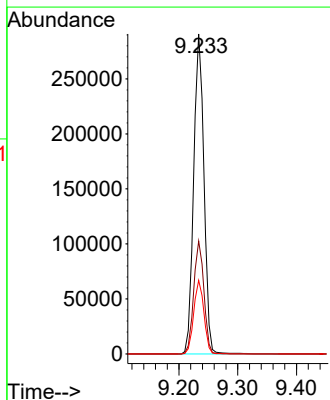
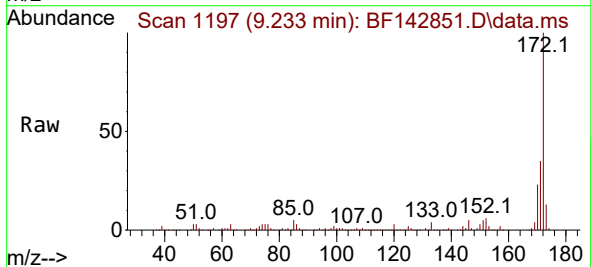


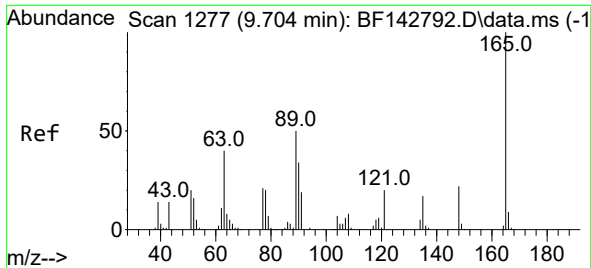
Tgt Ion:330 Resp: 66453
Ion Ratio Lower Upper
330 100
332 95.1 75.0 112.6
141 33.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 42.232 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Tgt Ion:172 Resp: 354396
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.0 18.5 27.7

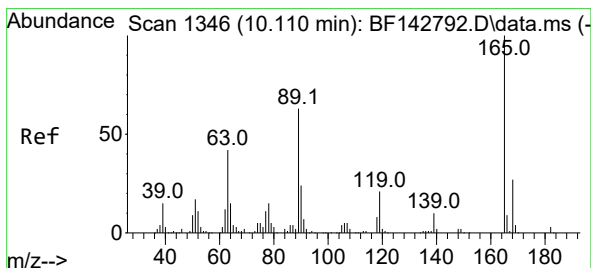
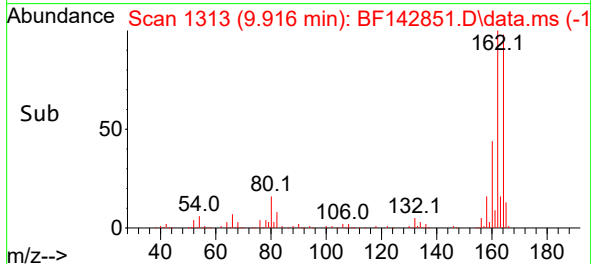
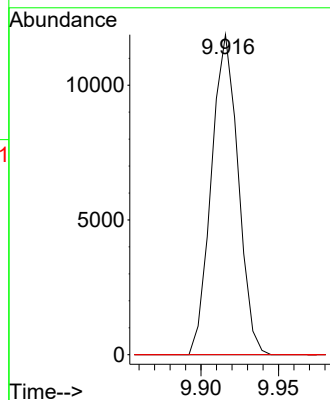
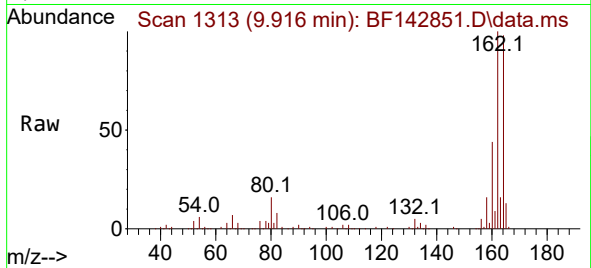




#51
2,6-Dinitrotoluene
Concen: 9.099 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

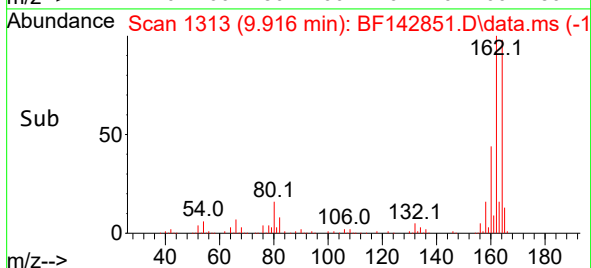
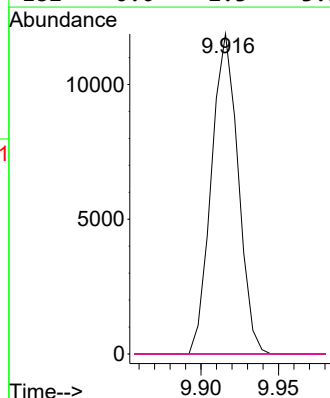
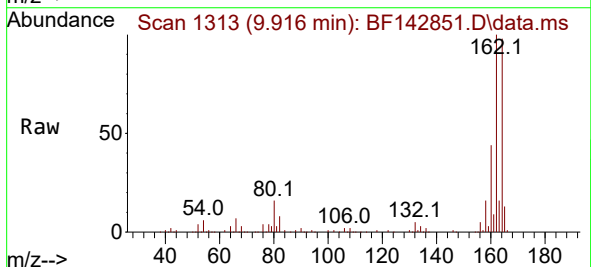
Instrument :
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ClientSampleId :
EP-7

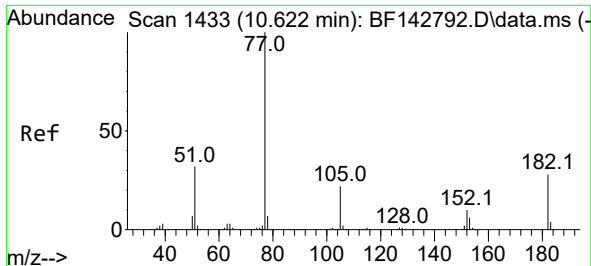
Tgt Ion:165 Resp: 14259
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.850 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Tgt Ion:165 Resp: 14259
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#

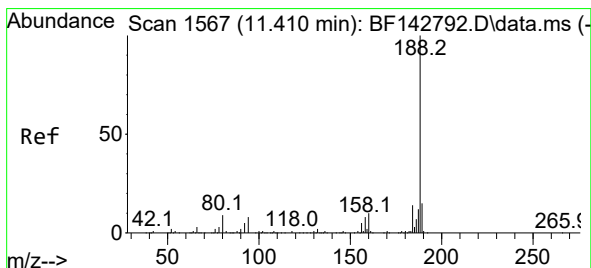
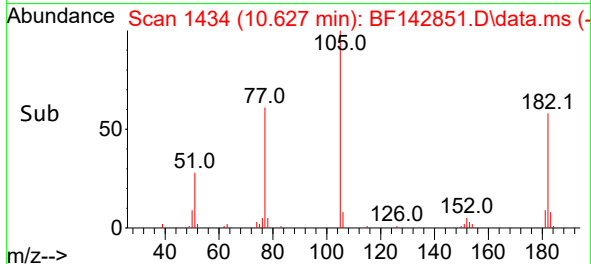
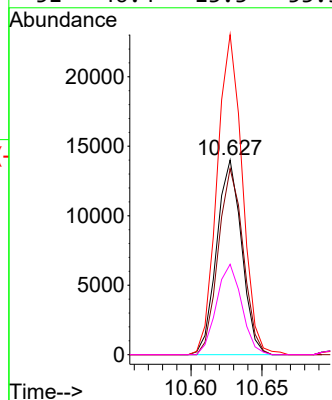
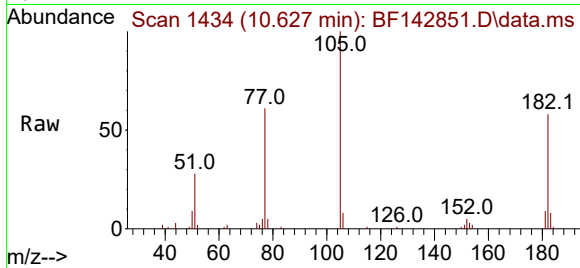




#63
Azobenzene
Concen: 2.734 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

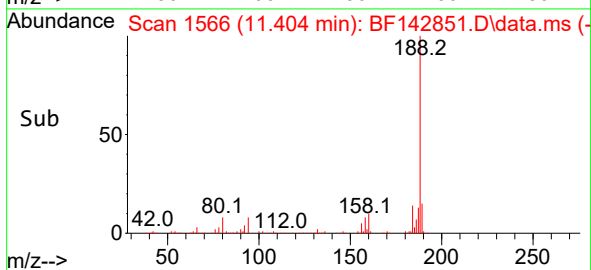
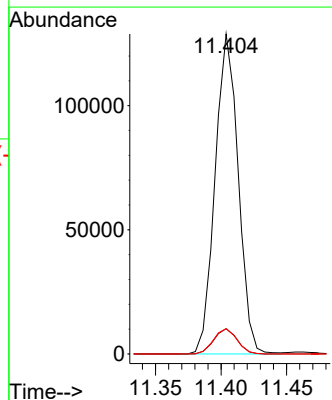
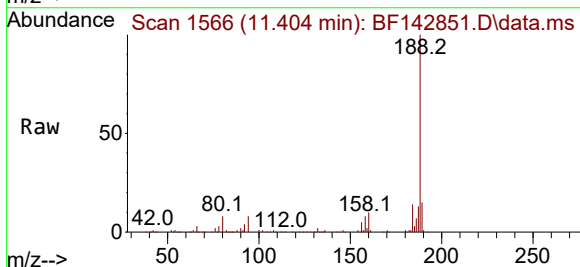
Instrument :
BNA_F
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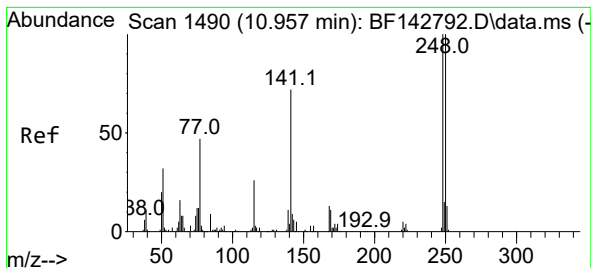
Tgt Ion: 77 Resp: 17094
Ion Ratio Lower Upper
77 100
182 95.5 7.7 47.7#
105 164.3 1.9 41.9#
51 46.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Tgt Ion:188 Resp: 157903
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 7.9 6.9 10.3

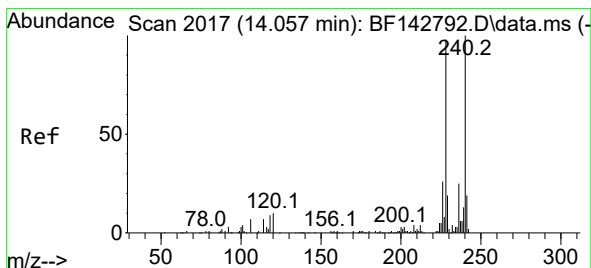
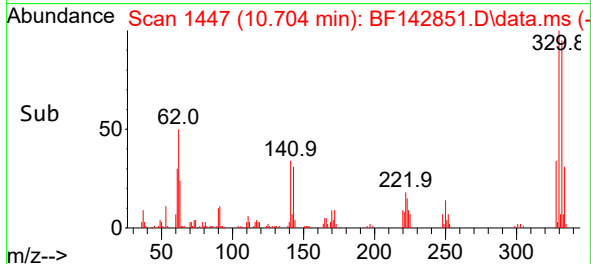
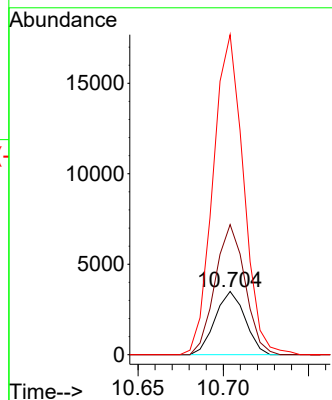
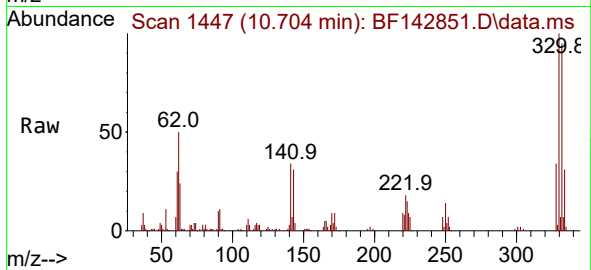




#67
4-Bromophenyl-phenylether
Concen: 2.378 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

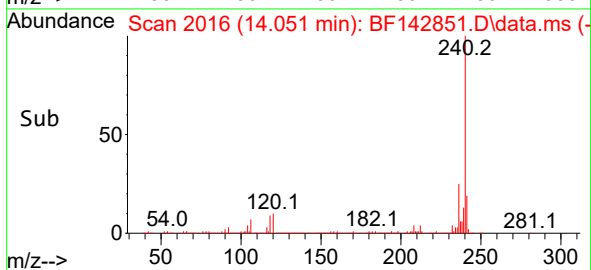
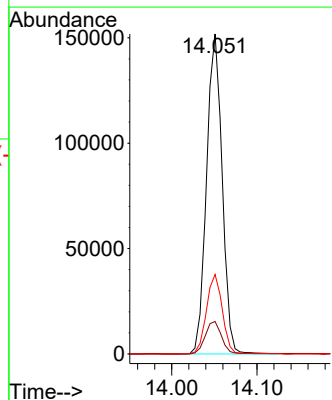
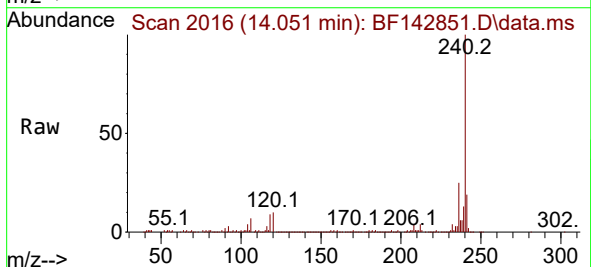
Instrument :
BNA_F
ClientSampleId :
EP-7

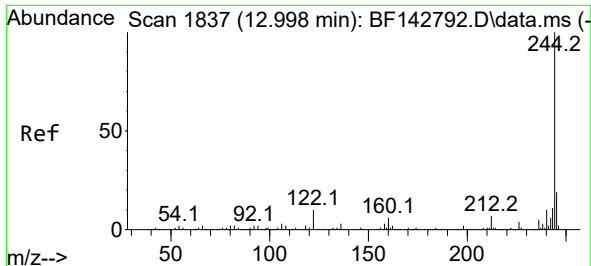
Tgt Ion:248 Resp: 4274
Ion Ratio Lower Upper
248 100
250 205.9 79.8 119.8#
141 506.4 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142851.D
Acq: 25 Jun 2025 22:10

Tgt Ion:240 Resp: 193118
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 24.8 19.8 29.8

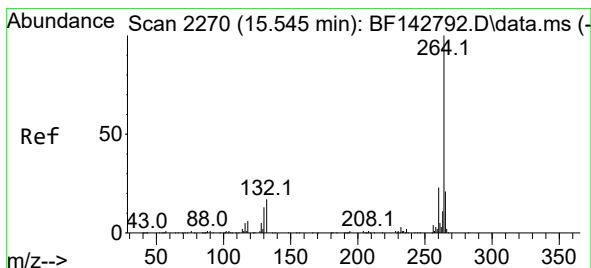
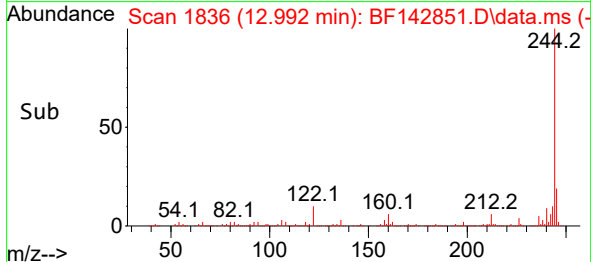
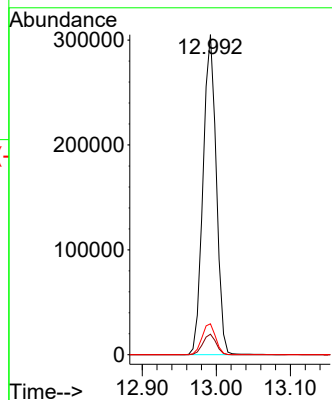
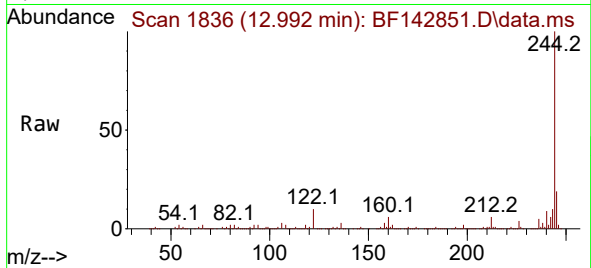




#79
 Terphenyl-d14
 Concen: 27.058 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142851.D
 Acq: 25 Jun 2025 22:10

Instrument :
 BNA_F
 ClientSampleId :
 EP-7

Tgt Ion:244 Resp: 378179
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.6 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: BF142851.D
 Acq: 25 Jun 2025 22:10

Tgt Ion:264 Resp: 136335
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.1 27.1
 265 22.0 16.6 25.0

