

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142845.D
 Acq On : 25 Jun 2025 19:06
 Operator : RC/JU
 Sample : Q2386-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

Quant Time: Jun 26 01:19:19 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)

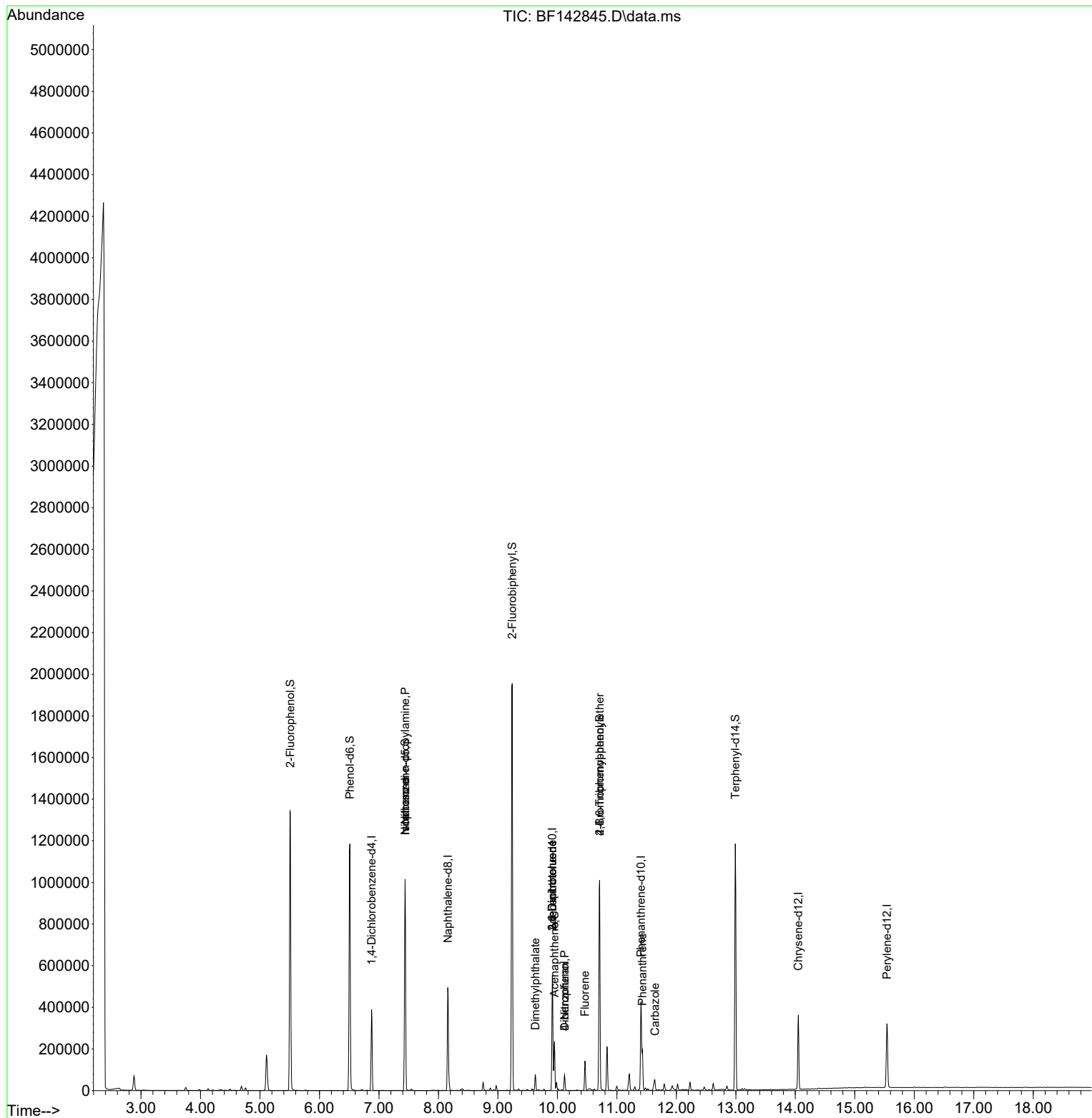
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85467	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	320972	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	164270	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	221790	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169503	20.000	ng	0.00
86) Perylene-d12	15.539	264	183109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	542121	105.607	ng	0.02
7) Phenol-d6	6.510	99	577503	95.354	ng	0.00
23) Nitrobenzene-d5	7.439	82	444219	75.912	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	177008	104.711	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	915288	73.196	ng	0.00
79) Terphenyl-d14	12.992	244	564301	45.999	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60316	17.123	ng	# 75
25) Isophorone	7.439	82	444216	47.322	ng	# 62
50) Dimethylphthalate	9.628	163	43526	4.093	ng	98
51) 2,6-Dinitrotoluene	9.916	165	21146	9.055	ng	# 27
52) Acenaphthene	9.951	154	75394	7.708	ng	98
55) Dibenzofuran	10.122	168	41605	2.966	ng	98
56) 4-Nitrophenol	10.122	139	15202	8.637	ng	# 11
57) 2,4-Dinitrotoluene	9.916	165	21146	6.817	ng	# 28
58) Fluorene	10.463	166	57097	5.213	ng	# 97
67) 4-Bromophenyl-phenylether	10.710	248	11309	4.480	ng	# 1
71) Phenanthrene	11.427	178	99319	8.267	ng	99
73) Carbazole	11.639	167	29125	2.739	ng	98

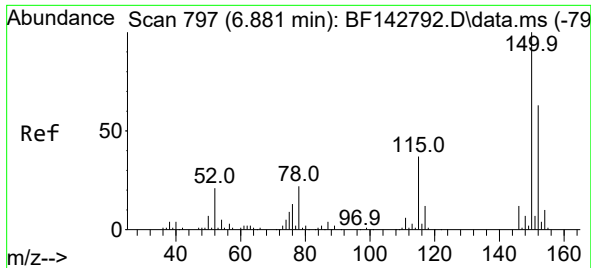
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
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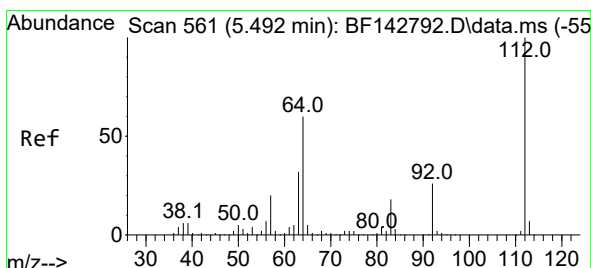
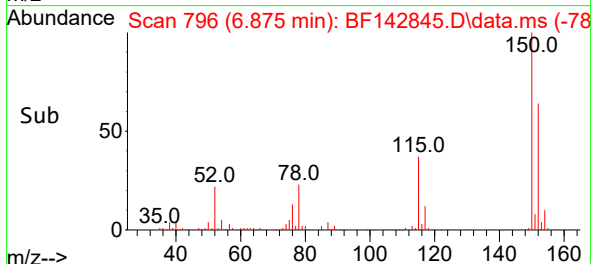
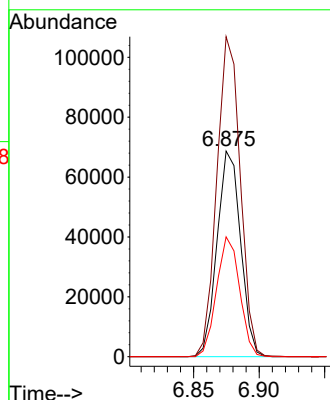
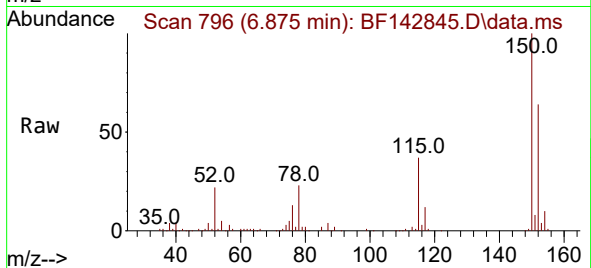




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

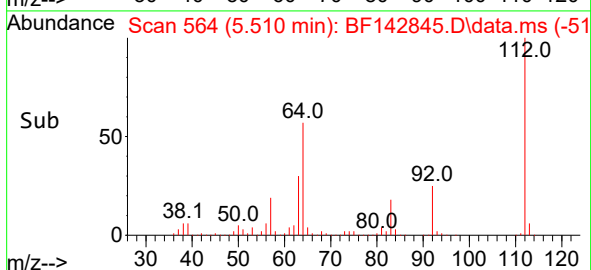
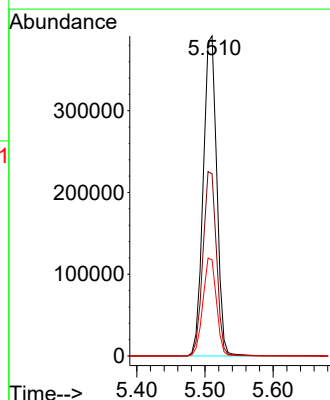
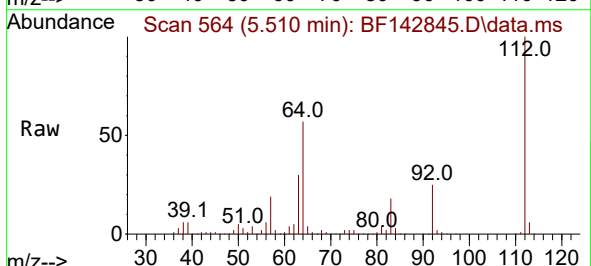
Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

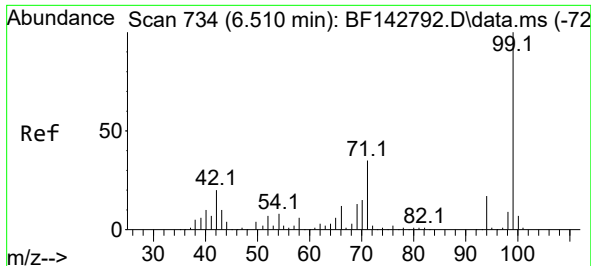
Tgt Ion:152 Resp: 85467
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.2 190.8
 115 58.2 46.6 69.8



#5
 2-Fluorophenol
 Concen: 105.607 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Tgt Ion:112 Resp: 542121
 Ion Ratio Lower Upper
 112 100
 64 56.9 48.2 72.2
 63 30.1 25.7 38.5

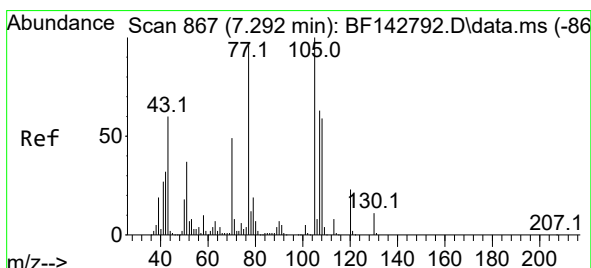
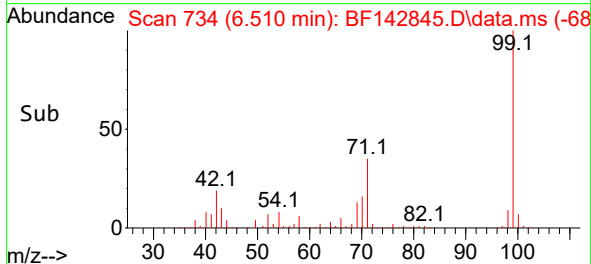
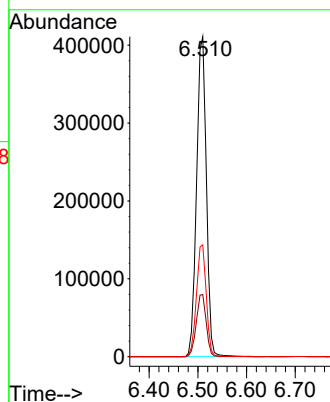
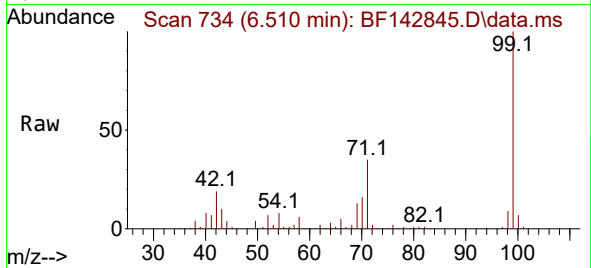




#7
Phenol-d6
Concen: 95.354 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

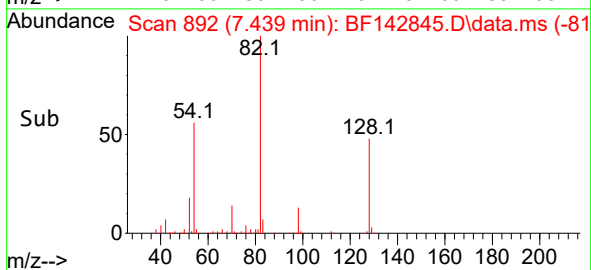
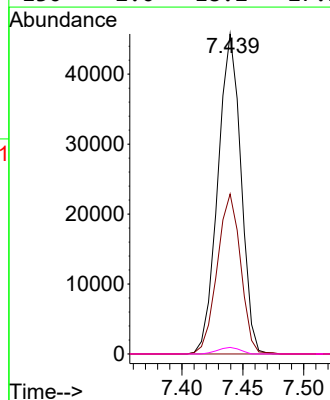
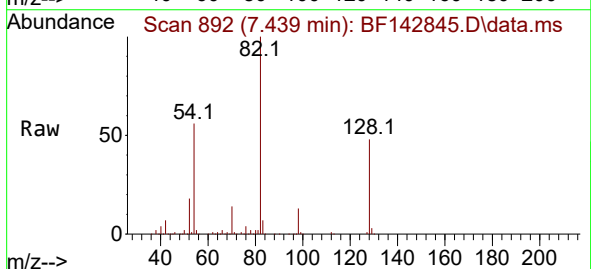
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

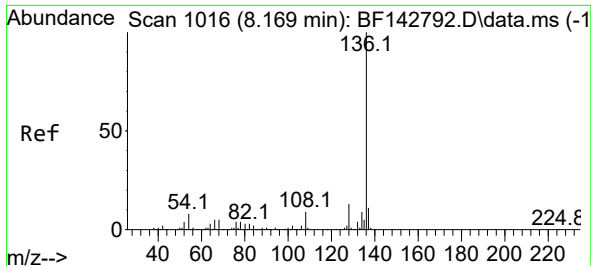
Tgt Ion: 99 Resp: 577503
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.123 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

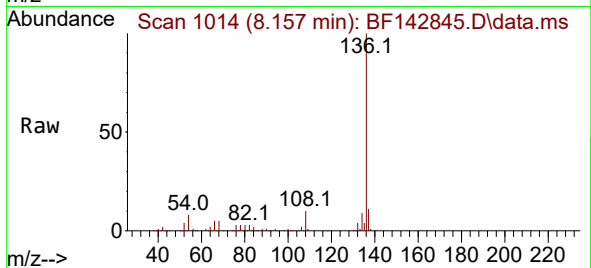
Tgt Ion: 70 Resp: 60316
Ion Ratio Lower Upper
70 100
42 50.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.0 18.2 27.2#





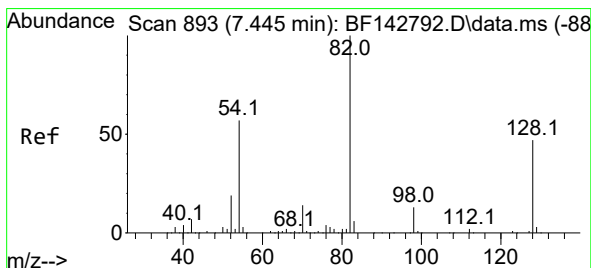
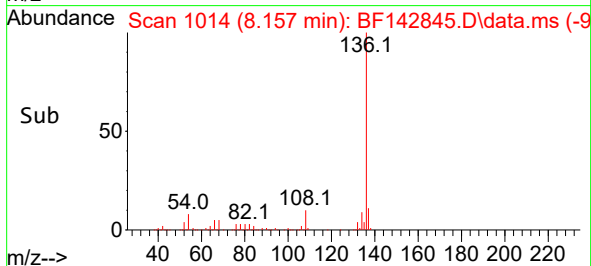
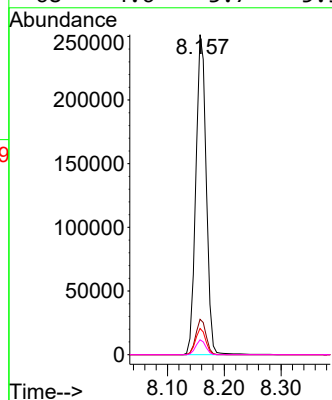
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Instrument :
BNA_F
ClientSampleId :
SU-1-062025



Tgt Ion:136 Resp: 320972

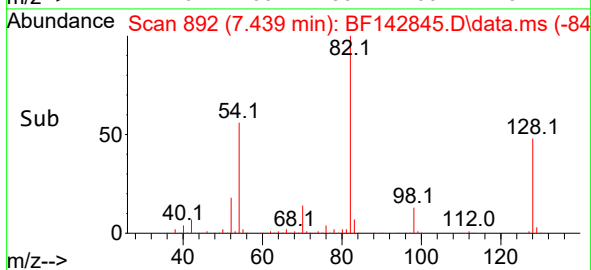
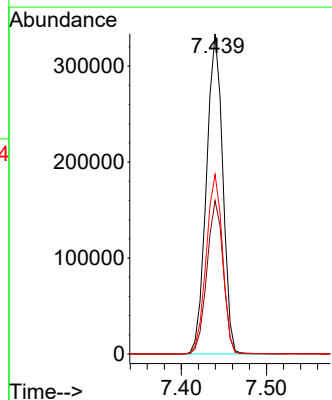
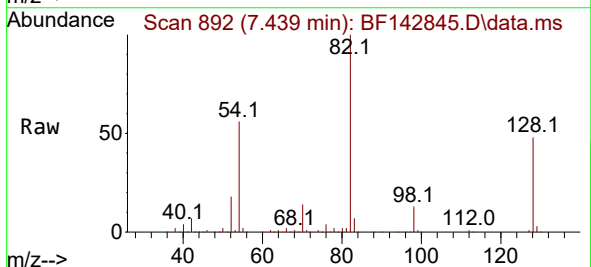
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	8.2	6.3	9.5
68	4.6	3.7	5.5

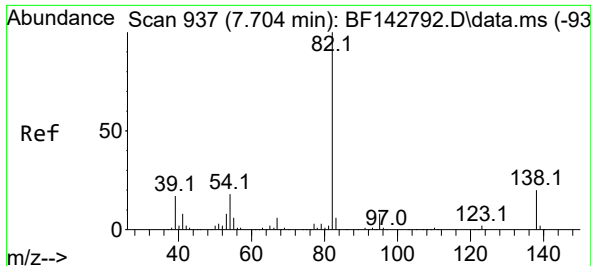


#23
Nitrobenzene-d5
Concen: 75.912 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion: 82 Resp: 444219

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	56.1	45.7	68.5

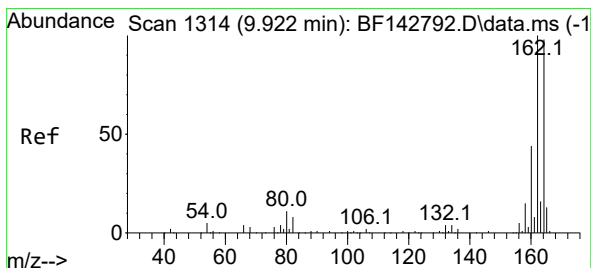
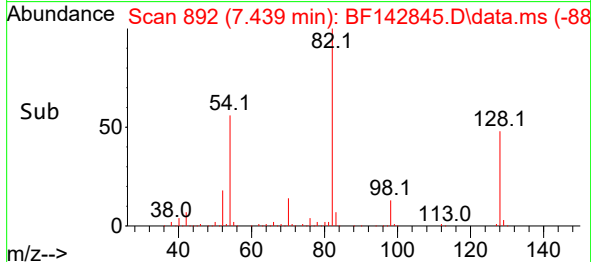
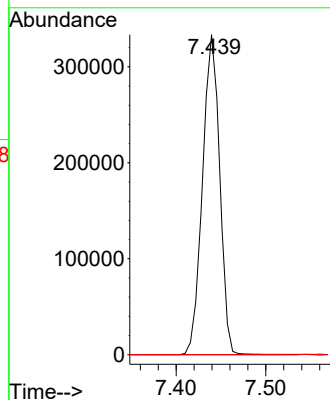
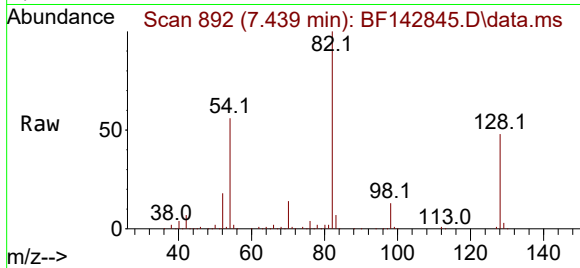




#25
Isophorone
Concen: 47.322 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

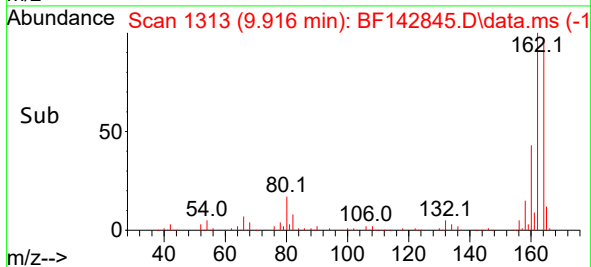
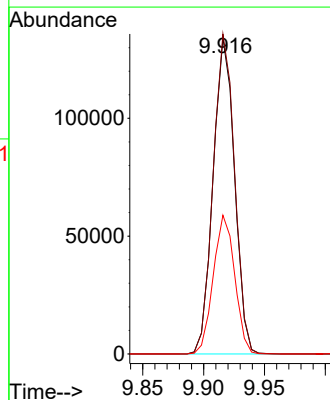
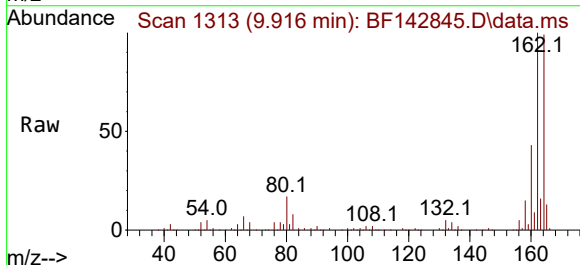
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

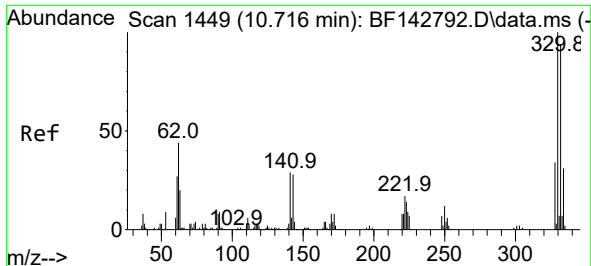
Tgt Ion: 82 Resp: 444216
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:164 Resp: 164270
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.8
160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 104.711 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

Instrument :

BNA_F

ClientSampleId :

SU-1-062025

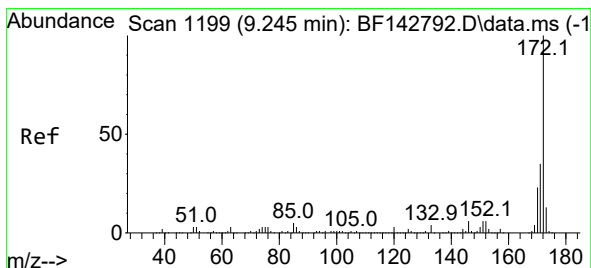
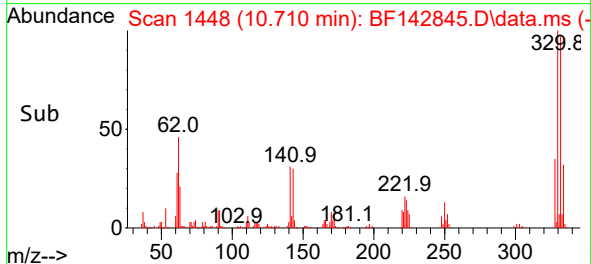
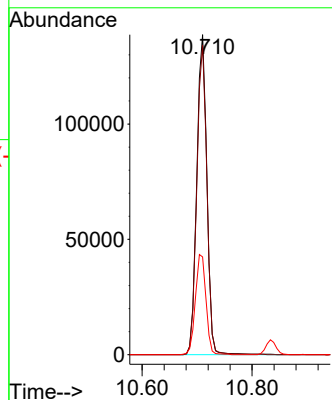
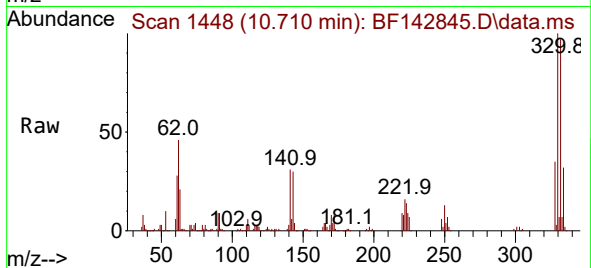
Tgt Ion:330 Resp: 177008

Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 73.196 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

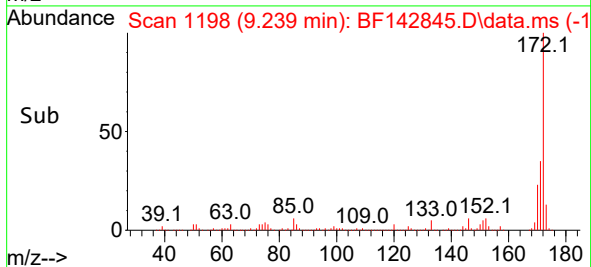
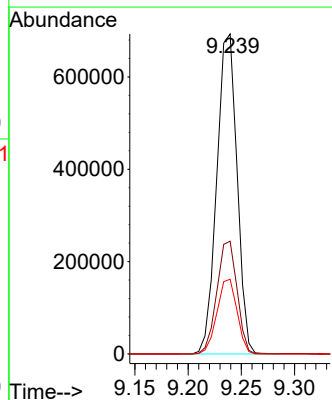
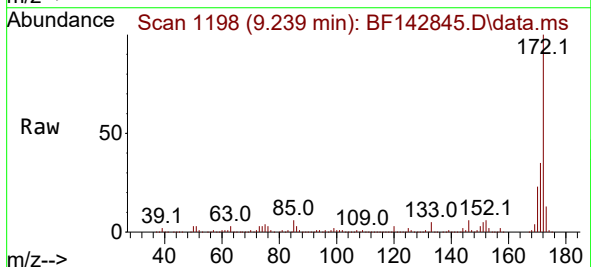
Tgt Ion:172 Resp: 915288

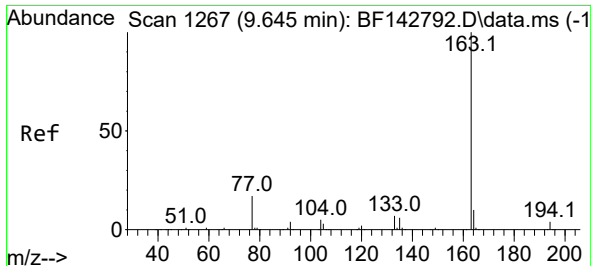
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.4 18.5 27.7

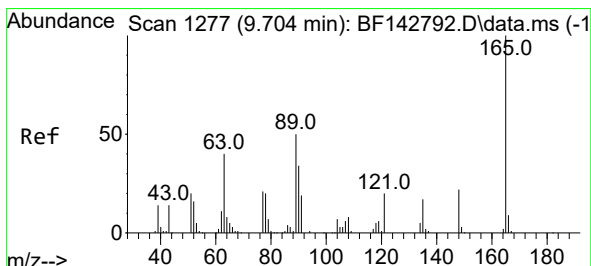
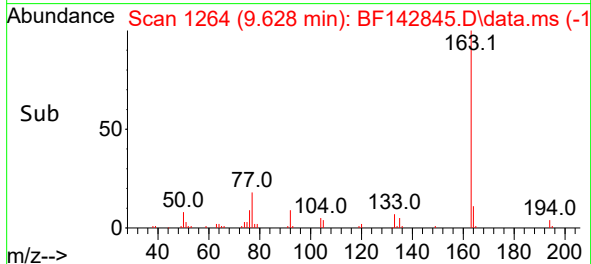
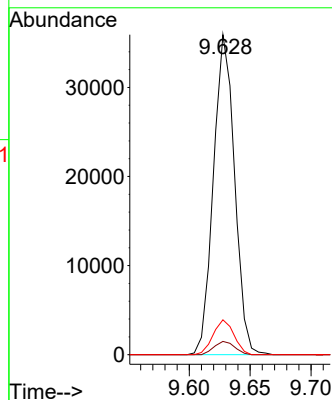
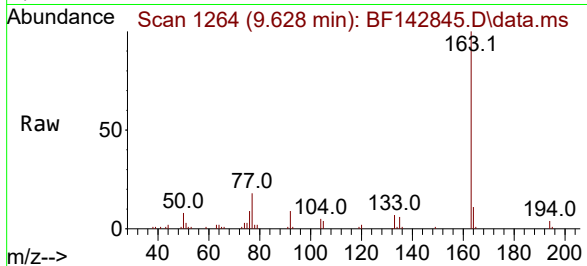




#50
Dimethylphthalate
Concen: 4.093 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

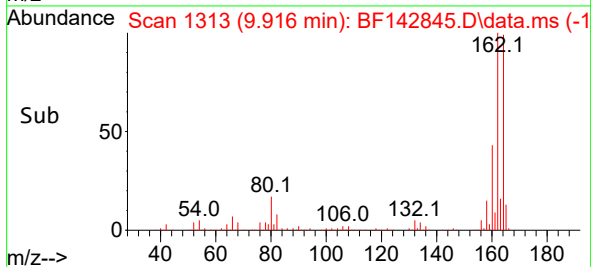
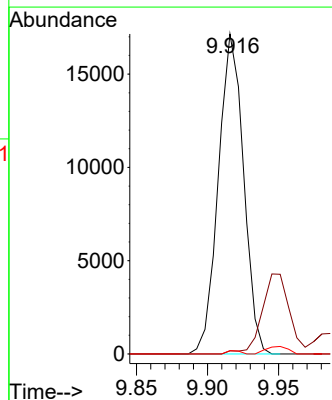
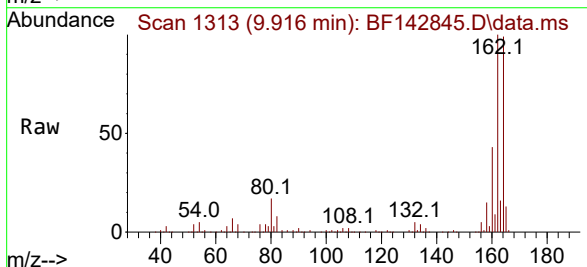
Instrument :
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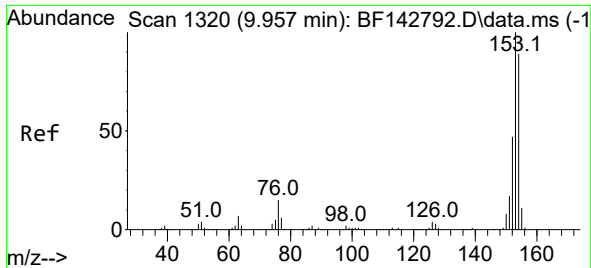
Tgt Ion:163 Resp: 43526
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.9 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 9.055 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:165 Resp: 21146
Ion Ratio Lower Upper
165 100
63 1.0 44.2 66.4#
89 1.1 39.8 59.8#

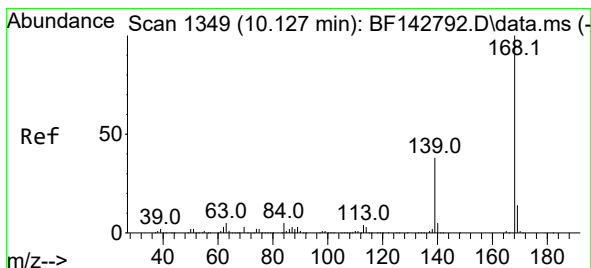
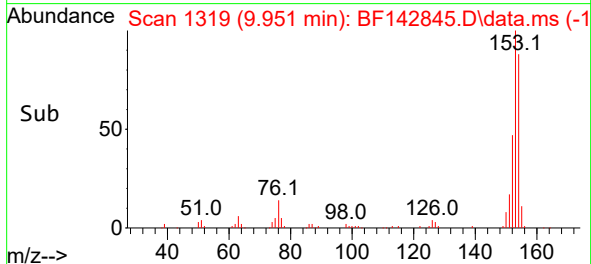
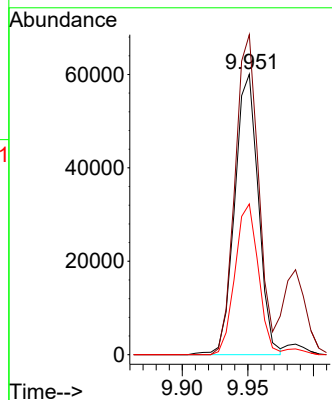
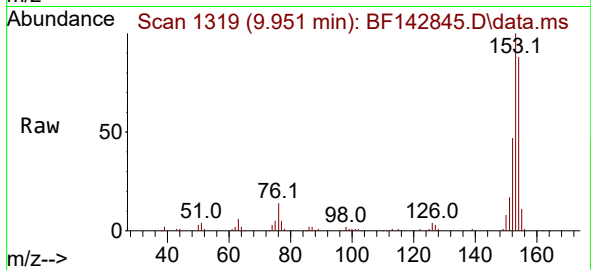




#52
Acenaphthene
Concen: 7.708 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

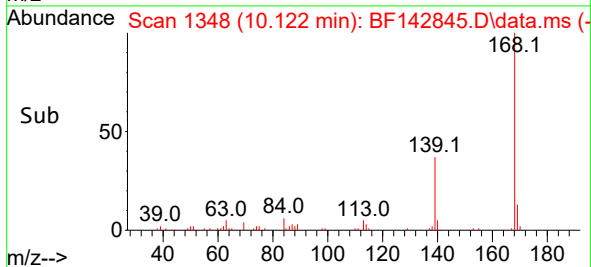
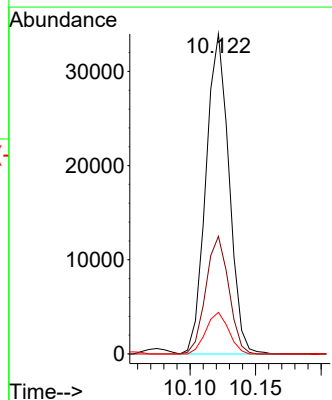
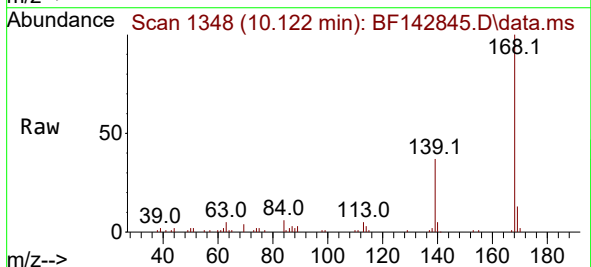
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

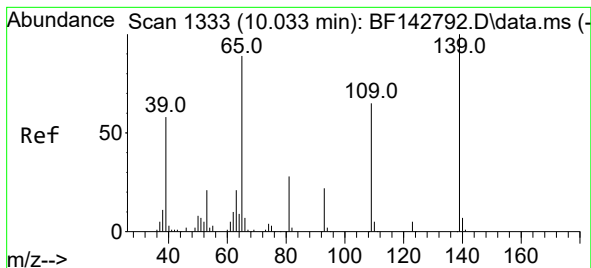
Tgt Ion:154 Resp: 75394
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 53.7 41.9 62.9



#55
Dibenzofuran
Concen: 2.966 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:168 Resp: 41605
Ion Ratio Lower Upper
168 100
139 36.7 30.2 45.4
169 13.0 10.8 16.2

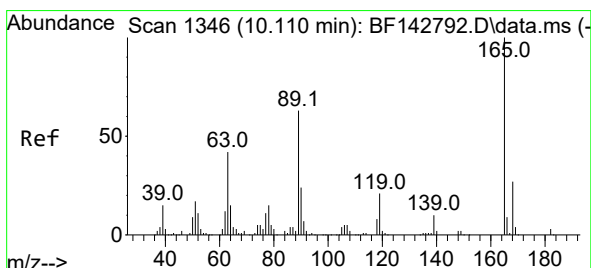
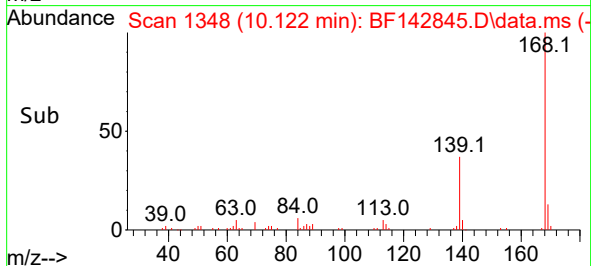
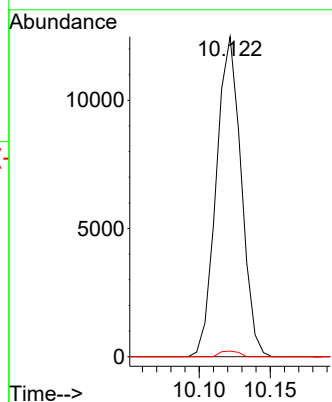
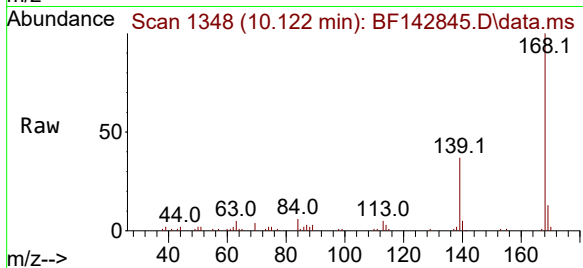




#56
4-Nitrophenol
Concen: 8.637 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.088 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

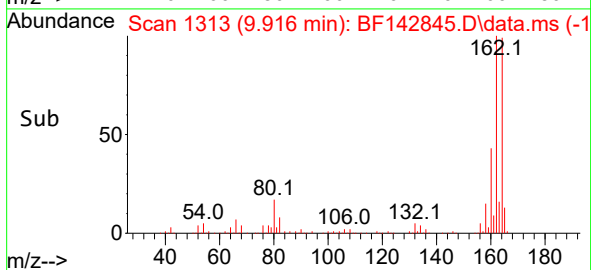
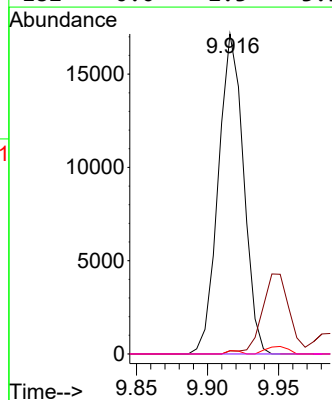
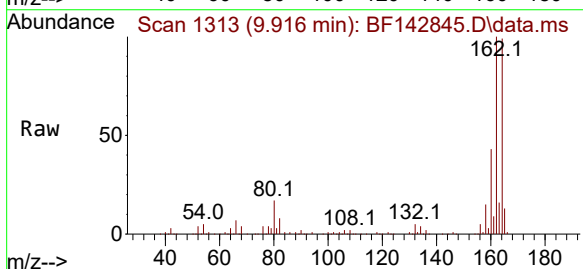
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

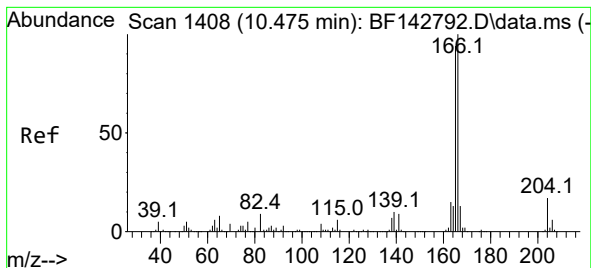
Tgt Ion:139 Resp: 15202
Ion Ratio Lower Upper
139 100
109 0.0 44.7 84.7#
65 1.8 69.8 109.8#



#57
2,4-Dinitrotoluene
Concen: 6.817 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:165 Resp: 21146
Ion Ratio Lower Upper
165 100
63 1.0 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#





#58

Fluorene

Concen: 5.213 ng

RT: 10.463 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

Instrument :

BNA_F

ClientSampleId :

SU-1-062025

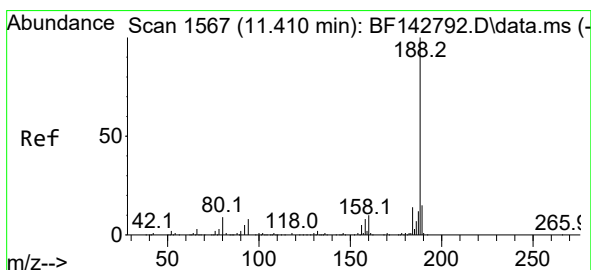
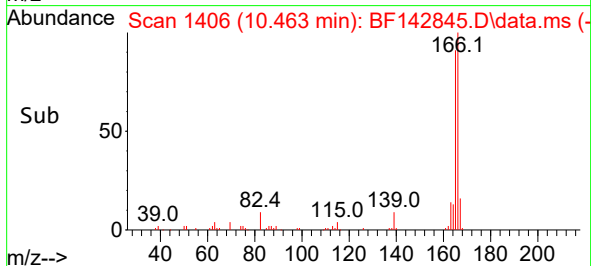
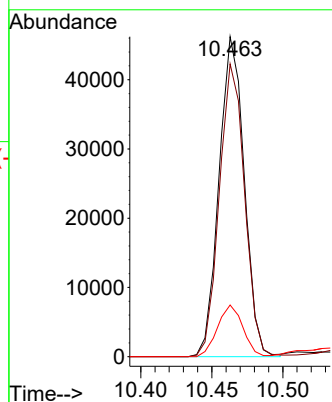
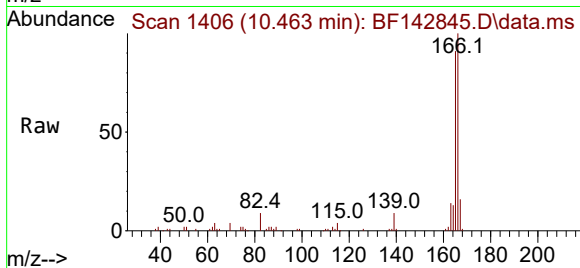
Tgt Ion:166 Resp: 57097

Ion Ratio Lower Upper

166 100

165 91.5 75.2 112.8

167 16.1 10.6 15.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142845.D

Acq: 25 Jun 2025 19:06

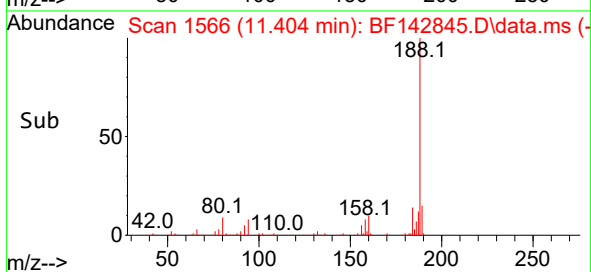
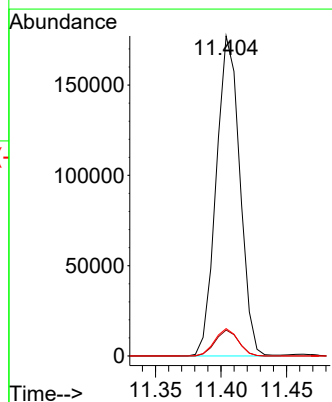
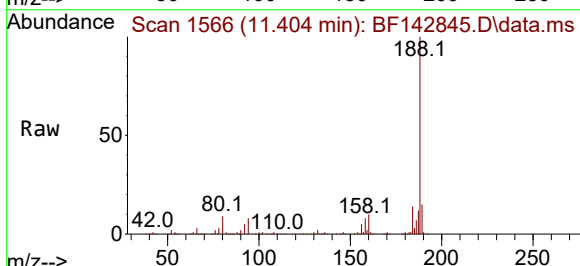
Tgt Ion:188 Resp: 221790

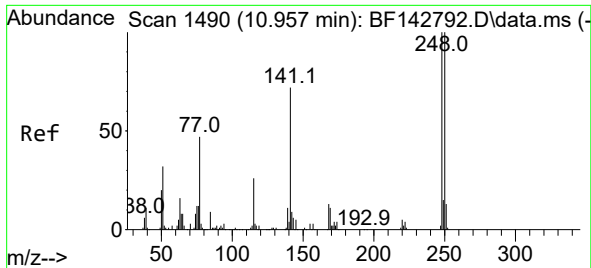
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.6 6.9 10.3

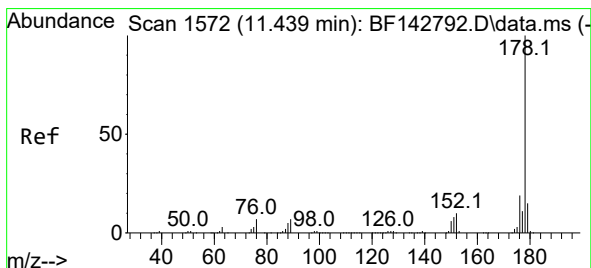
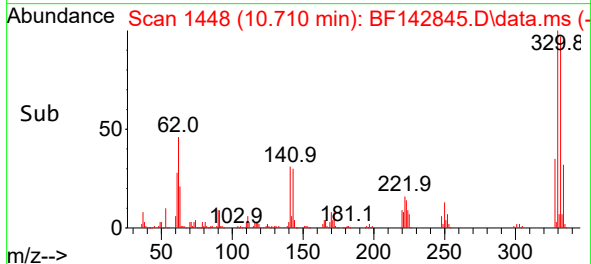
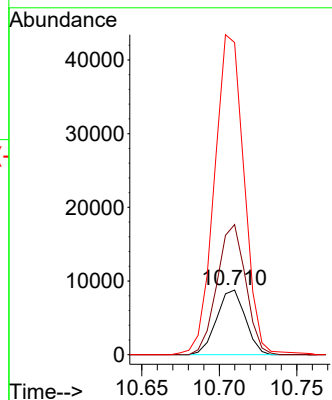
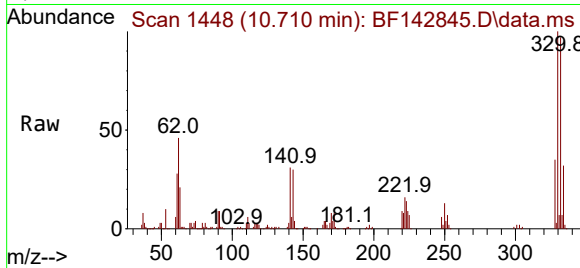




#67
4-Bromophenyl-phenylether
Concen: 4.480 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

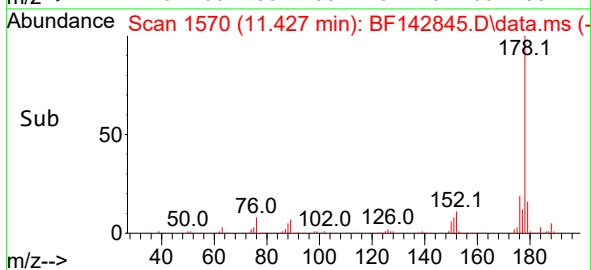
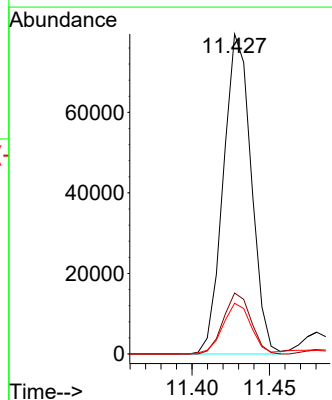
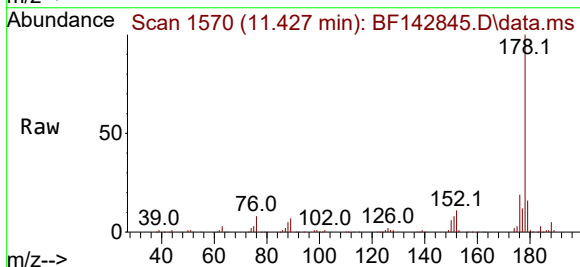
Instrument :
BNA_F
ClientSampleId :
SU-1-062025

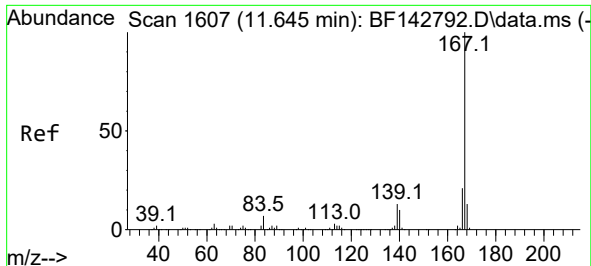
Tgt Ion:248 Resp: 11309
Ion Ratio Lower Upper
248 100
250 201.1 79.8 119.8#
141 482.9 57.8 86.6#



#71
Phenanthrene
Concen: 8.267 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142845.D
Acq: 25 Jun 2025 19:06

Tgt Ion:178 Resp: 99319
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.8 12.0 18.0

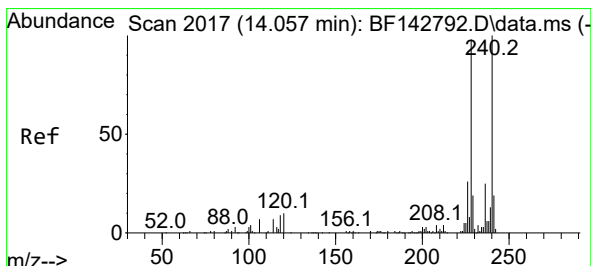
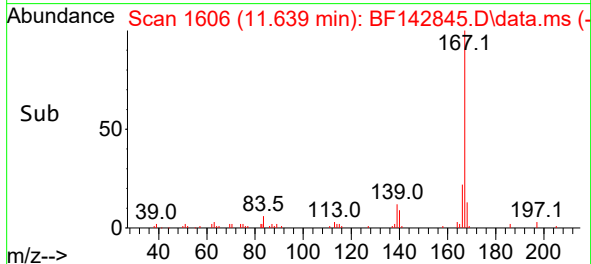
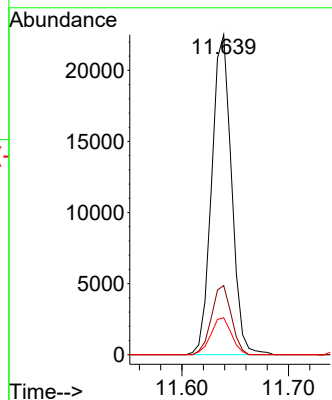
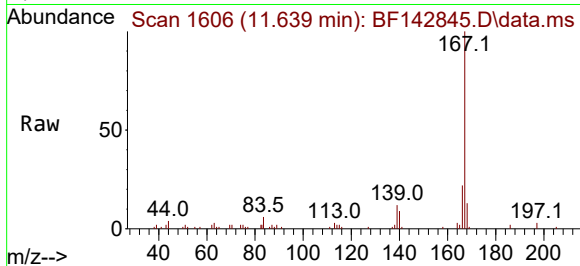




#73
 Carbazole
 Concen: 2.739 ng
 RT: 11.639 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

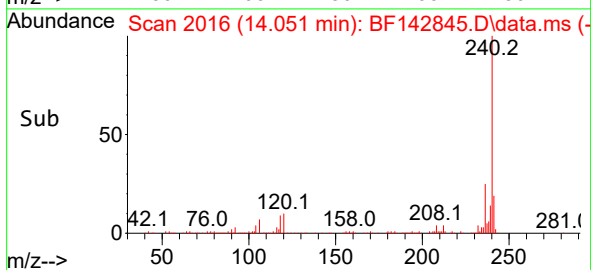
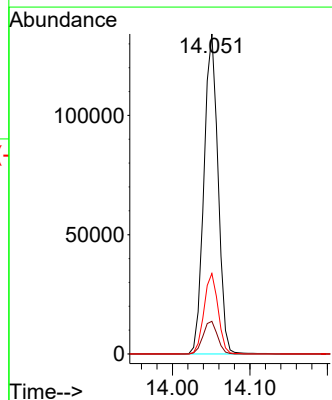
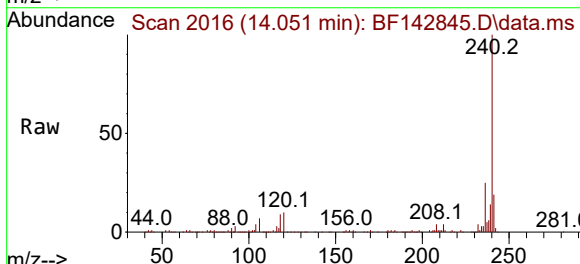
Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

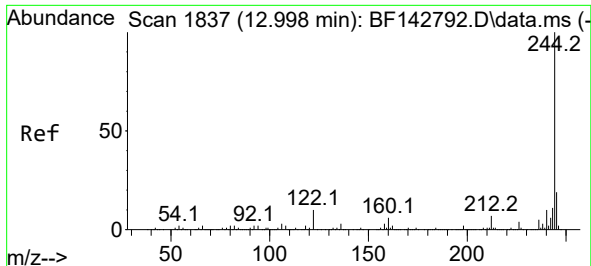
Tgt Ion:167 Resp: 29125
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.4
 139 11.6 10.2 15.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Tgt Ion:240 Resp: 169503
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.2 12.2
 236 25.2 19.8 29.8

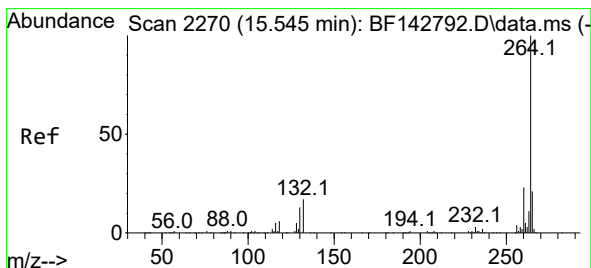
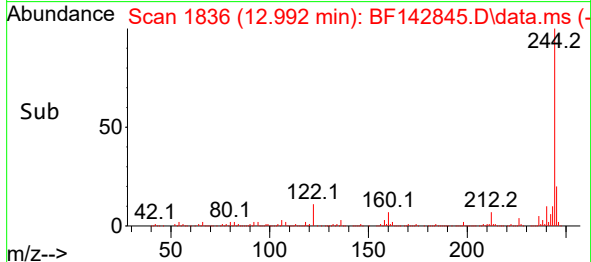
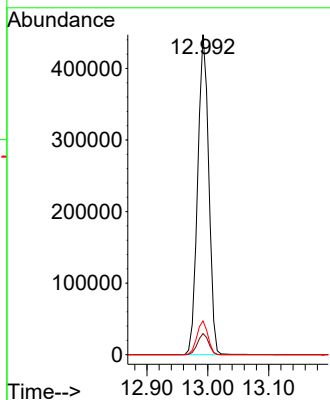
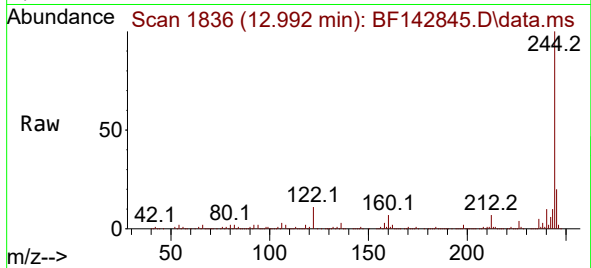




#79
 Terphenyl-d14
 Concen: 45.999 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142845.D
 Acq: 25 Jun 2025 19:06

Instrument :
 BNA_F
 ClientSampleId :
 SU-1-062025

Tgt Ion:244 Resp: 564301
 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: BF142845.D
 Acq: 25 Jun 2025 19:06

Tgt Ion:264 Resp: 183109
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 20.9 16.6 25.0

