

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142849.D
 Acq On : 25 Jun 2025 21:09
 Operator : RC/JU
 Sample : Q2389-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-J-I

Quant Time: Jun 26 01:21:08 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)

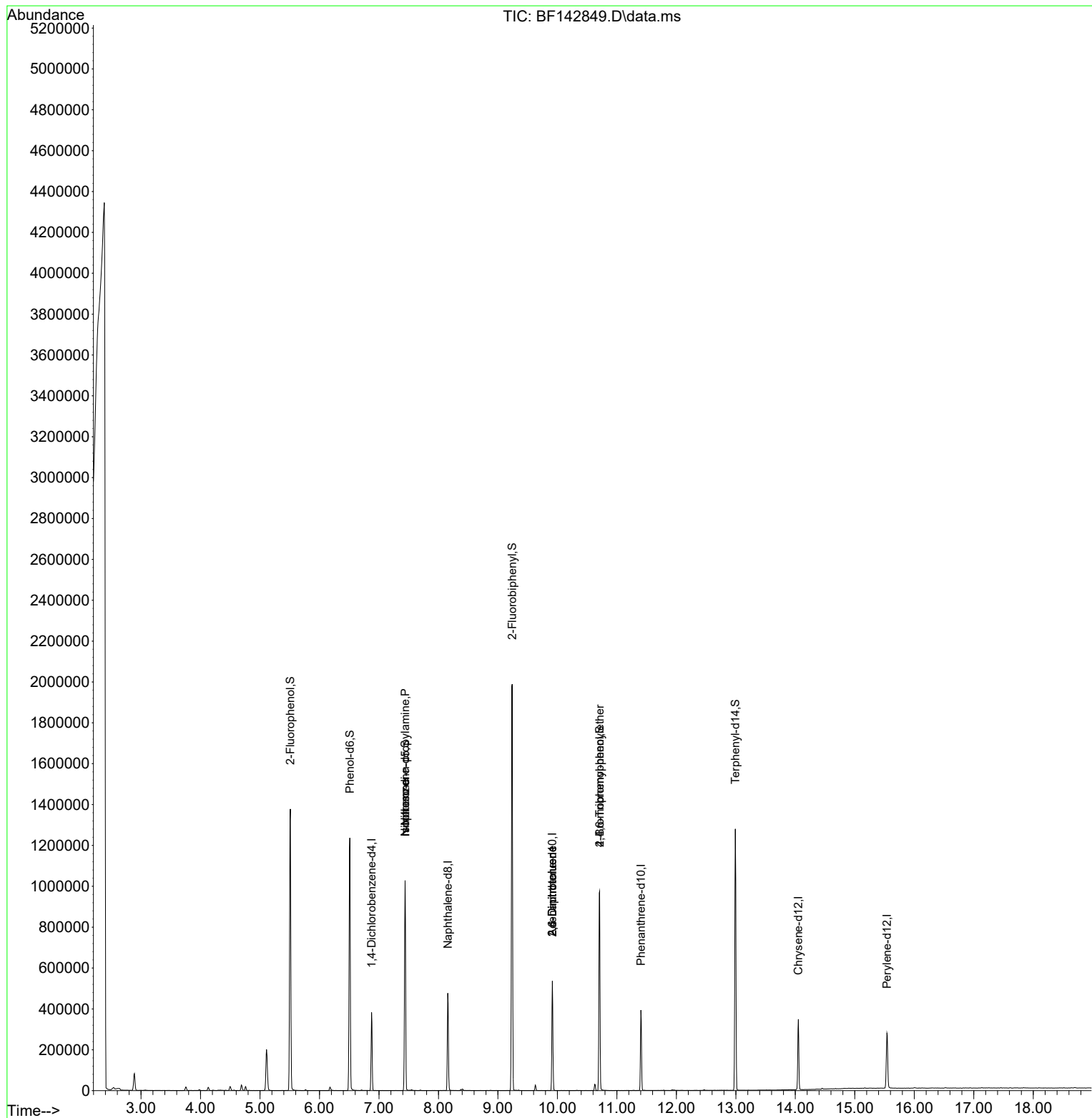
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	82322	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	309322	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	159833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	206834	20.000	ng	0.00
76) Chrysene-d12	14.051	240	170538	20.000	ng	0.00
86) Perylene-d12	15.539	264	169389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	548623	110.956	ng	0.02
7) Phenol-d6	6.510	99	597775	102.472	ng	0.00
23) Nitrobenzene-d5	7.439	82	449695	79.743	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	175769	106.864	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	931123	76.529	ng	0.00
79) Terphenyl-d14	12.992	244	605898	49.090	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60049	17.699	ng	# 76
25) Isophorone	7.439	82	449689	49.709	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20235	8.906	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	20235	6.705	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	11472	4.873	ng	# 1

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

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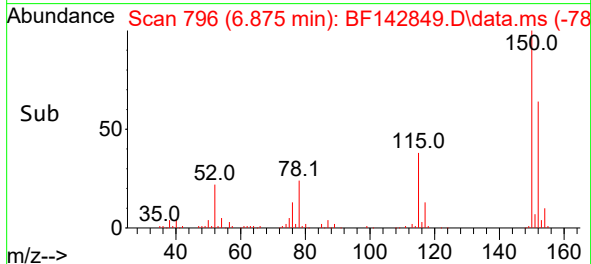
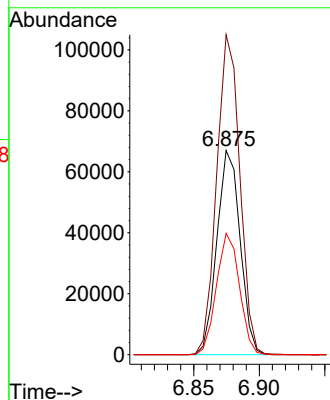
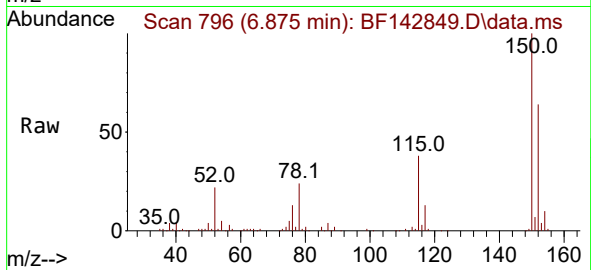




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

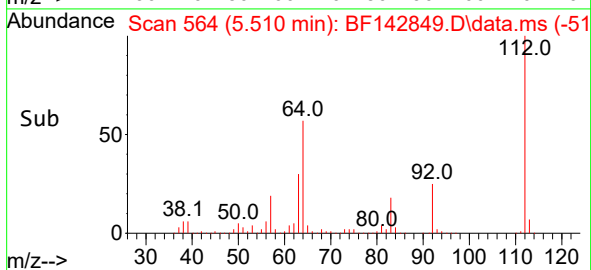
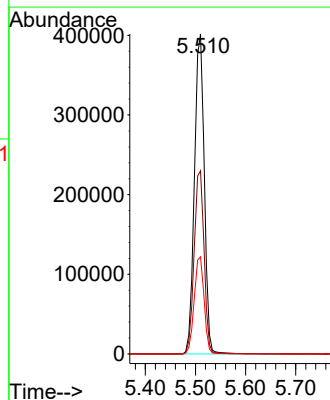
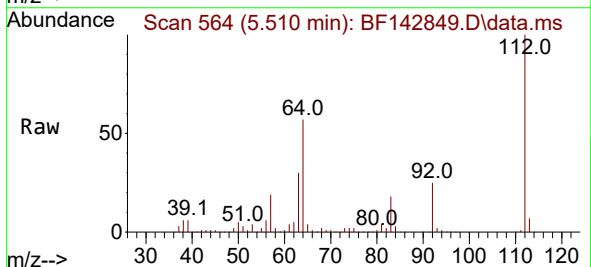
Instrument :
BNA_F
ClientSampleId :
MH-J-I

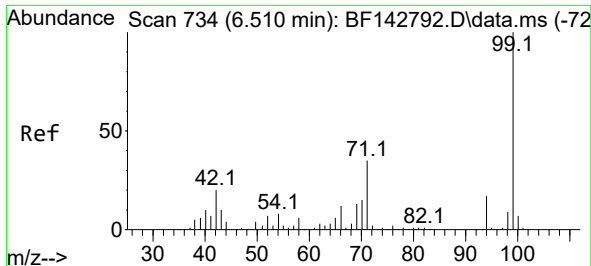
Tgt Ion:152 Resp: 82322
Ion Ratio Lower Upper
152 100
150 156.8 127.2 190.8
115 59.4 46.6 69.8



#5
2-Fluorophenol
Concen: 110.956 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion:112 Resp: 548623
Ion Ratio Lower Upper
112 100
64 57.2 48.2 72.2
63 30.3 25.7 38.5

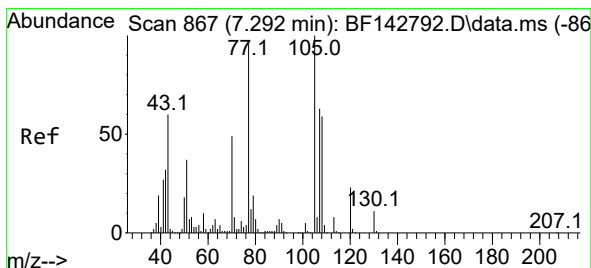
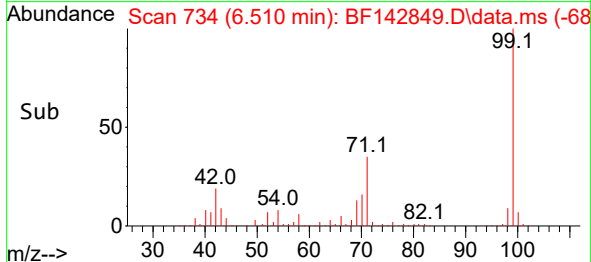
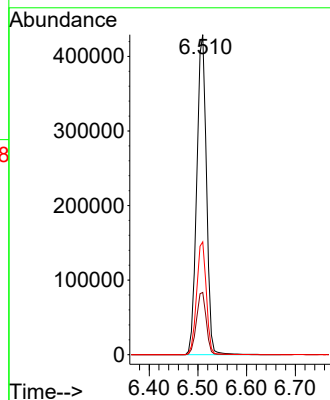
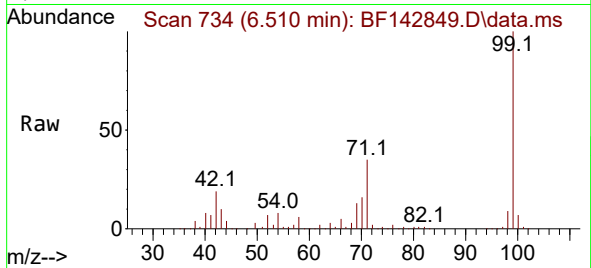




#7
Phenol-d6
Concen: 102.472 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

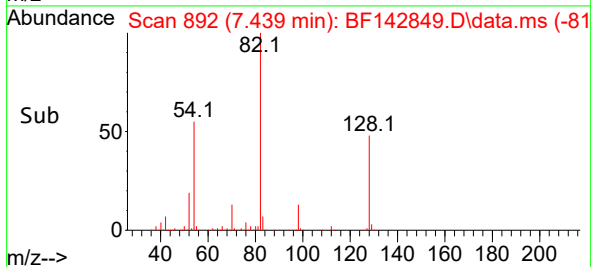
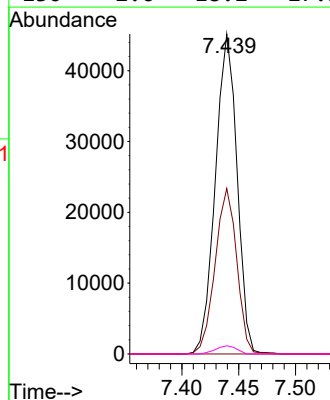
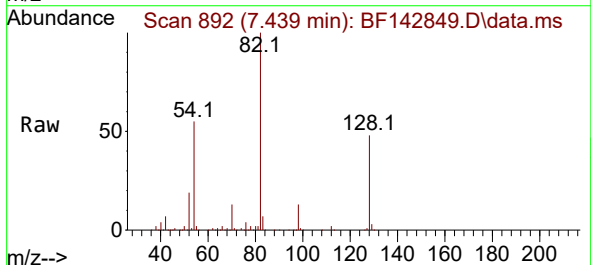
Instrument :
BNA_F
ClientSampleId :
MH-J-I

Tgt Ion: 99 Resp: 597775
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.699 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion: 70 Resp: 60049
Ion Ratio Lower Upper
70 100
42 51.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.6 18.2 27.2#

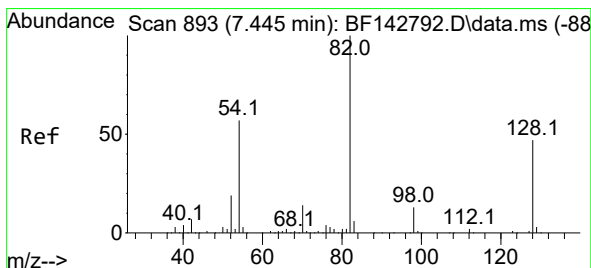
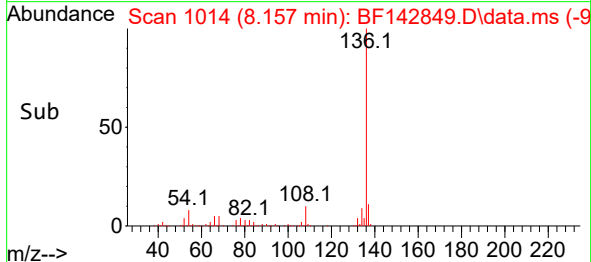
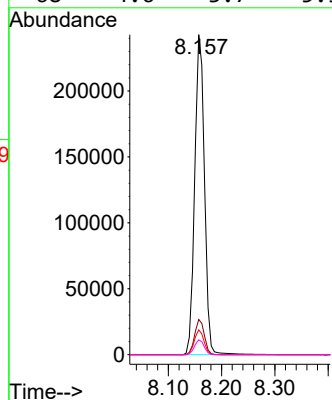
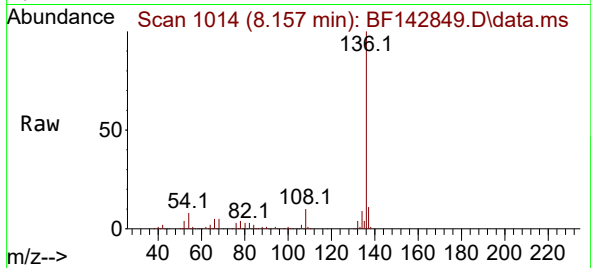




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

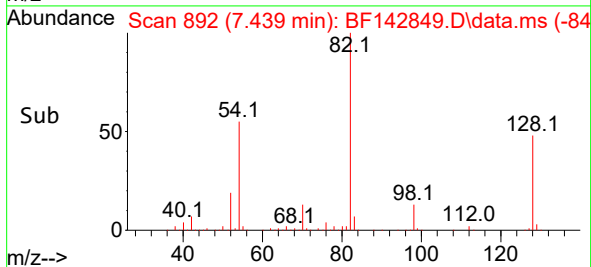
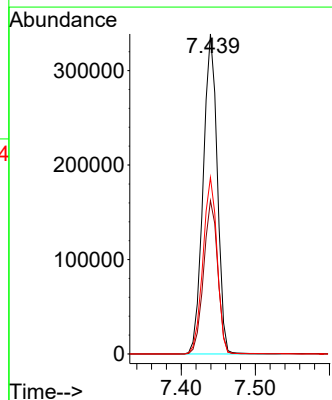
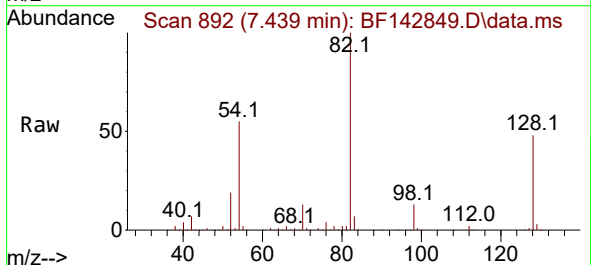
Instrument :
BNA_F
ClientSampleId :
MH-J-I

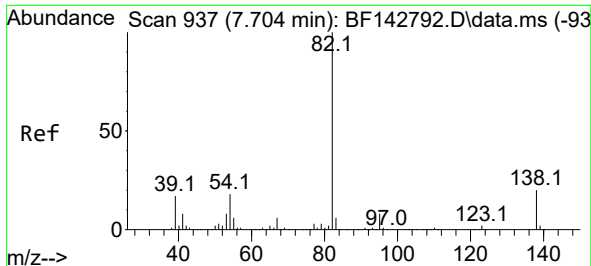
Tgt Ion:136 Resp: 309322
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.743 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion: 82 Resp: 449695
Ion Ratio Lower Upper
82 100
128 47.9 37.7 56.5
54 55.1 45.7 68.5

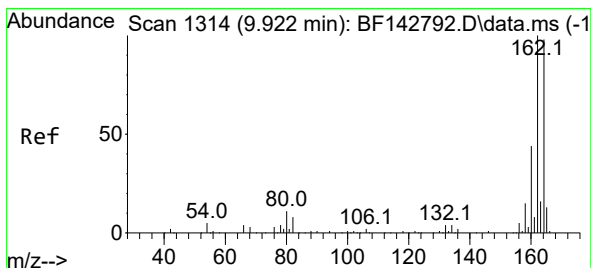
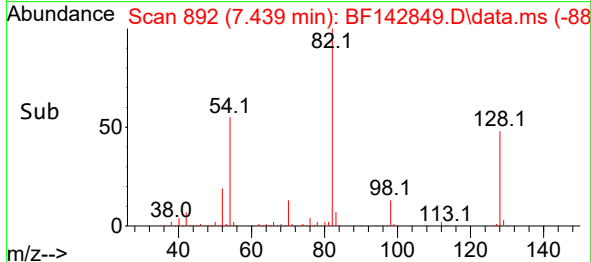
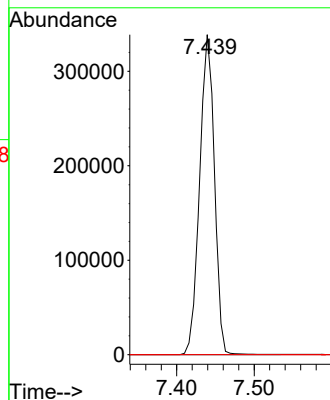
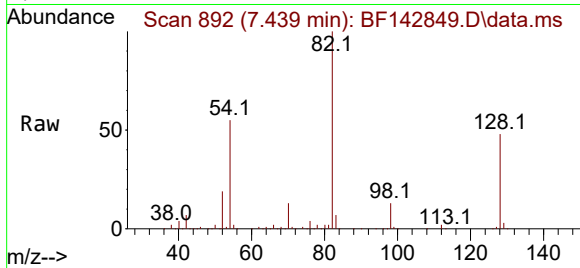




#25
Isophorone
Concen: 49.709 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

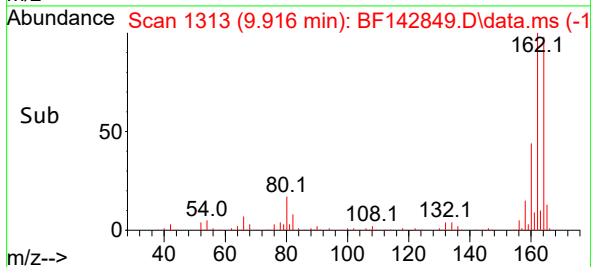
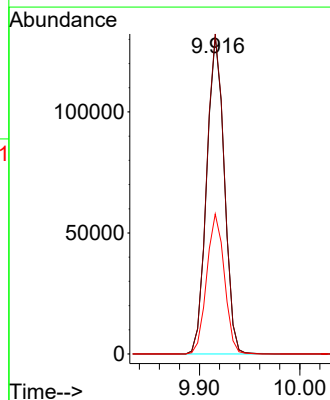
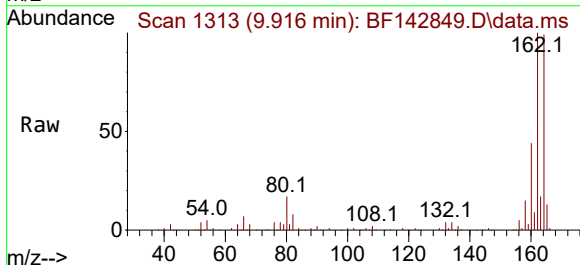
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BNA_F
ClientSampleId :
MH-J-I

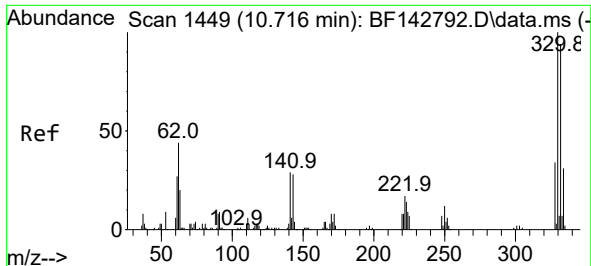
Tgt Ion: 82 Resp: 449689
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion:164 Resp: 159833
Ion Ratio Lower Upper
164 100
162 100.9 81.8 122.8
160 44.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 106.864 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142849.D

Acq: 25 Jun 2025 21:09

Instrument :

BNA_F

ClientSampleId :

MH-J-I

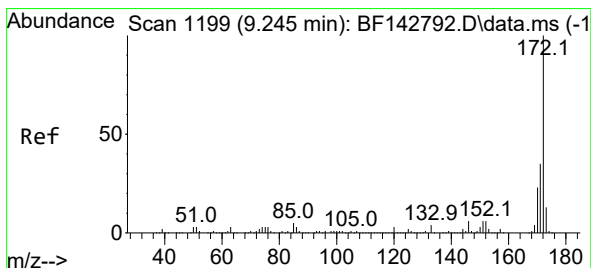
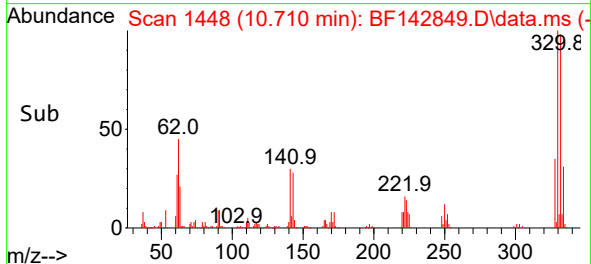
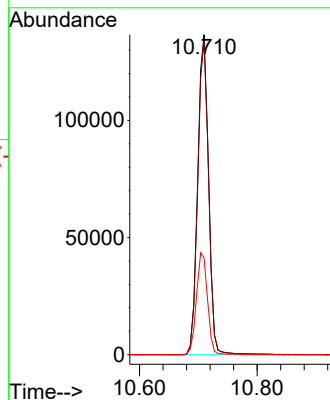
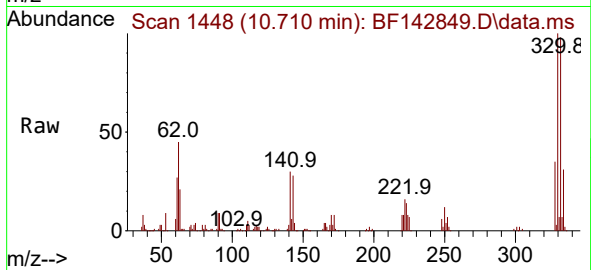
Tgt Ion:330 Resp: 175769

Ion Ratio Lower Upper

330 100

332 97.9 75.0 112.6

141 32.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 76.529 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142849.D

Acq: 25 Jun 2025 21:09

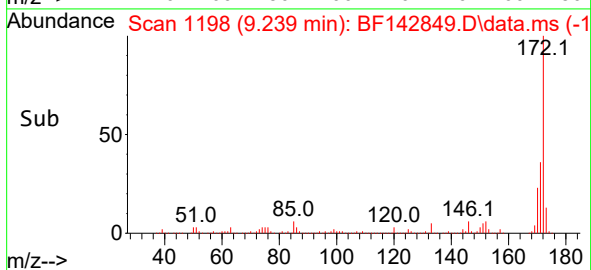
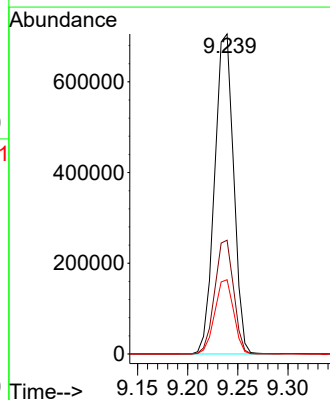
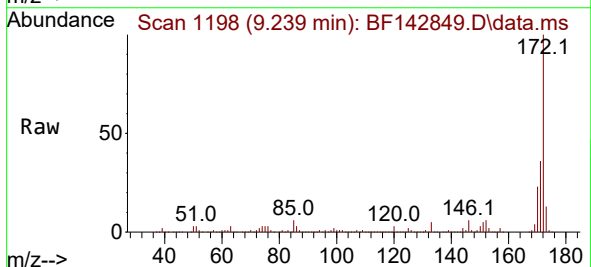
Tgt Ion:172 Resp: 931123

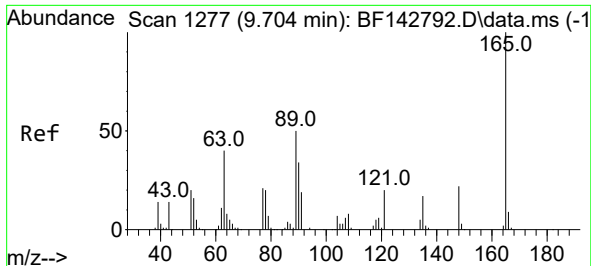
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.2 18.5 27.7

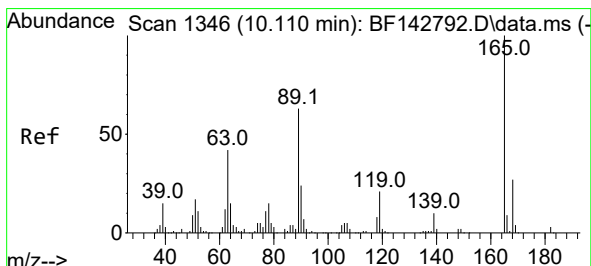
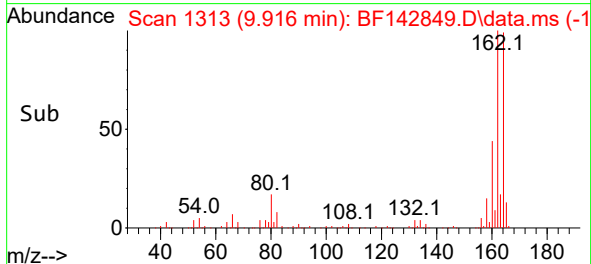
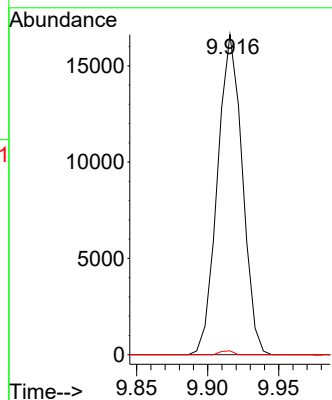
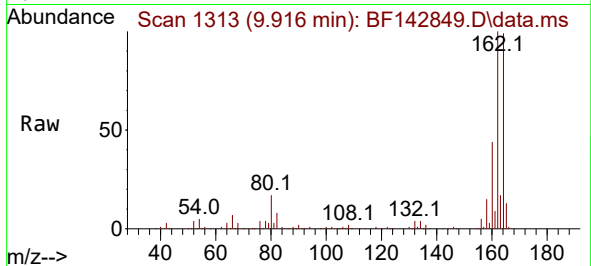




#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

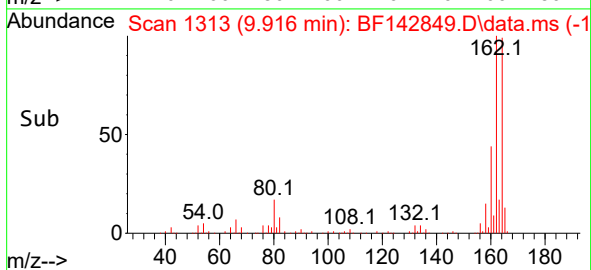
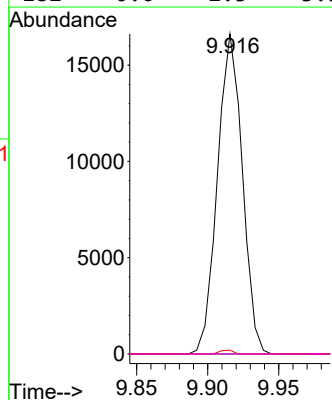
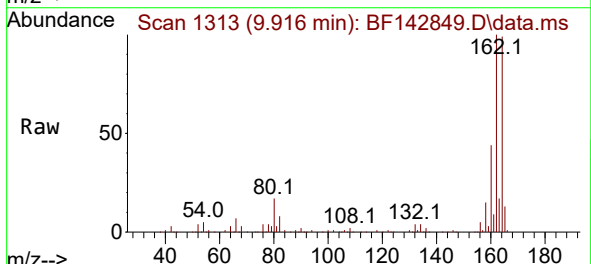
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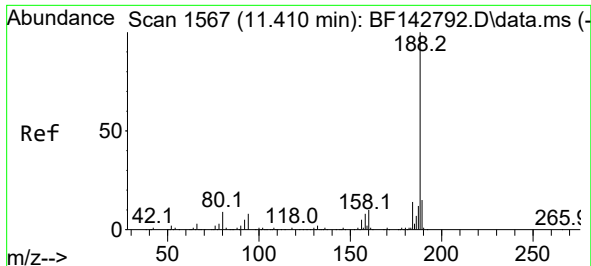
Tgt Ion:165 Resp: 20235
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.2 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.705 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion:165 Resp: 20235
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.2 50.6 75.8#
182 0.0 2.3 3.5#

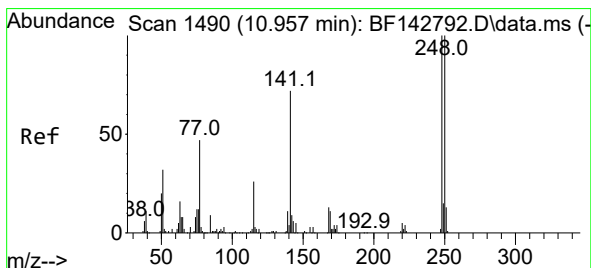
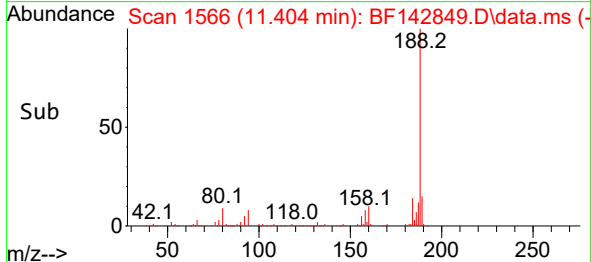
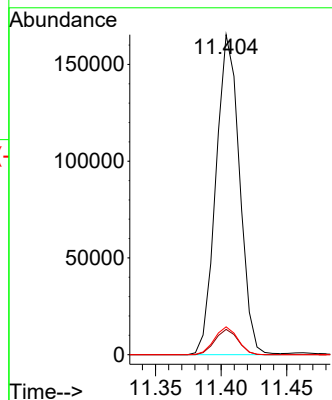
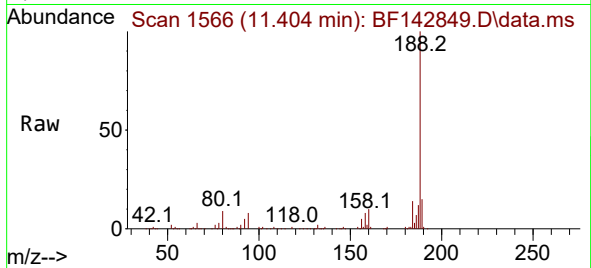




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

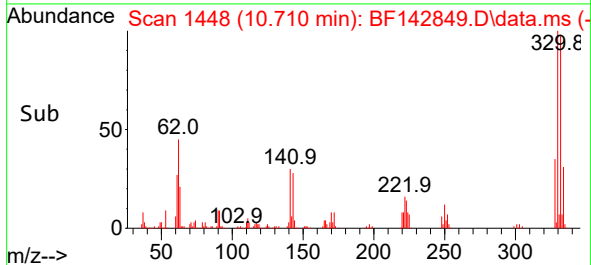
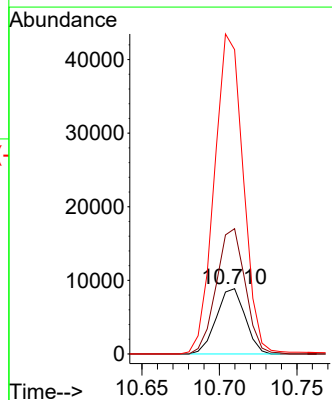
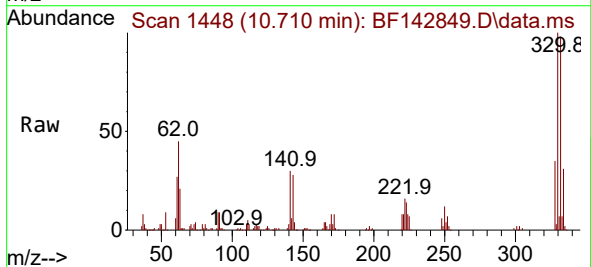
Instrument :
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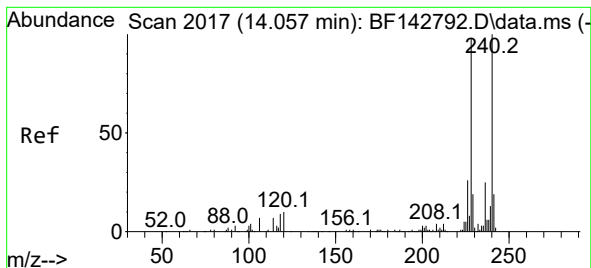
Tgt Ion:188 Resp: 206834
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.7 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.873 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF142849.D
Acq: 25 Jun 2025 21:09

Tgt Ion:248 Resp: 11472
Ion Ratio Lower Upper
248 100
250 191.9 79.8 119.8#
141 466.4 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142849.D

Acq: 25 Jun 2025 21:09

Instrument :

BNA_F

ClientSampleId :

MH-J-I

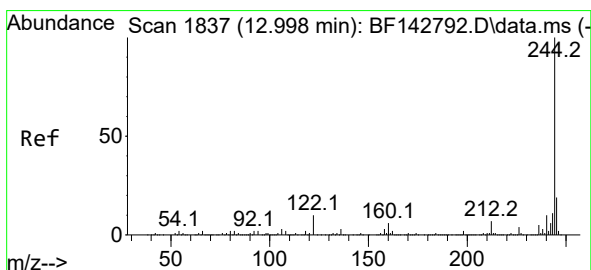
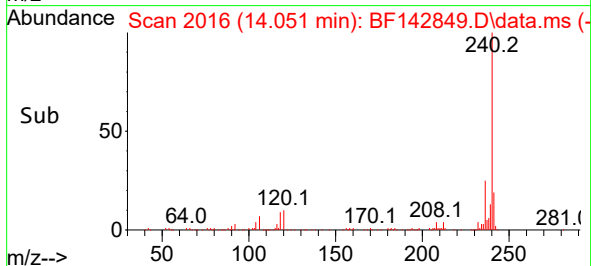
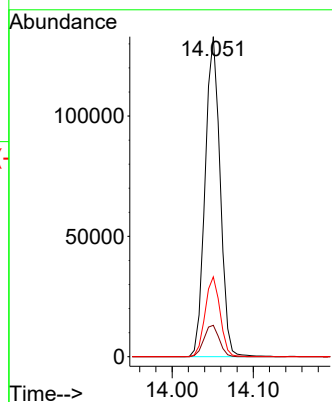
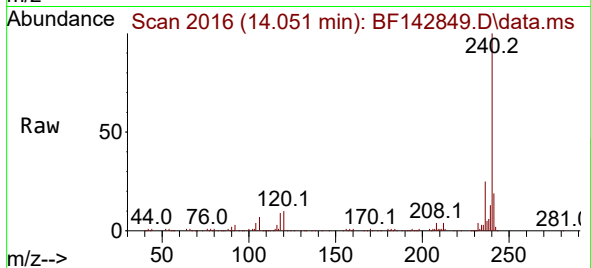
Tgt Ion:240 Resp: 170538

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.0 19.8 29.8



#79

Terphenyl-d14

Concen: 49.090 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142849.D

Acq: 25 Jun 2025 21:09

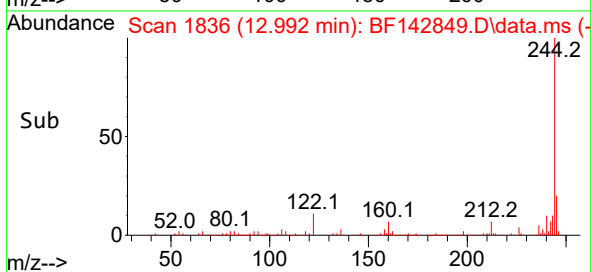
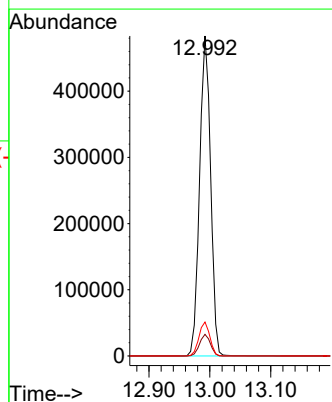
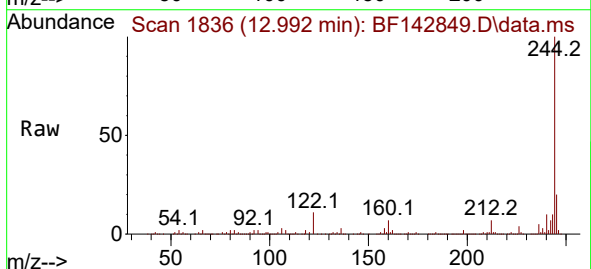
Tgt Ion:244 Resp: 605898

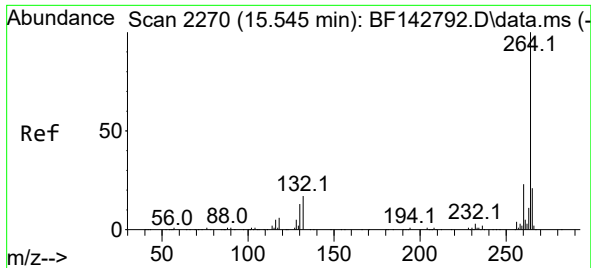
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.6 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142849.D
 Acq: 25 Jun 2025 21:09

Instrument :
 BNA_F
 ClientSampleId :
 MH-J-I

Tgt Ion:264 Resp: 169389
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.1 27.1
 265 21.0 16.6 25.0

