

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142569.D
 Acq On : 30 May 2025 14:52
 Operator : RC/JU
 Sample : Q2150-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-47

Quant Time: May 30 15:13:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

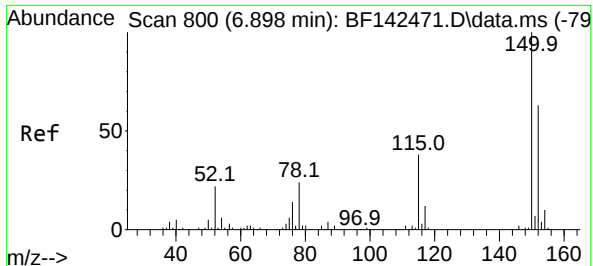
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119655	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	452665	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	237881	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	379317	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	213577	20.000	ng	0.00
86) Perylene-d12	15.563	264	233735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	580421	81.724	ng	0.00
7) Phenol-d6	6.522	99	715121	83.646	ng	-0.01
23) Nitrobenzene-d5	7.457	82	427464	51.493	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	213540	80.881	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	880377	49.661	ng	-0.01
79) Terphenyl-d14	13.010	244	710605	45.467	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	57265	10.808	ng	# 75
25) Isophorone	7.457	82	402511	29.001	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	30766	9.082	ng	# 27
57) 2,4-Dinitrotoluene	9.939	165	30766	6.954	ng	# 28
63) Azobenzene	10.651	77	41038	2.980	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	13284	2.962	ng	# 1

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

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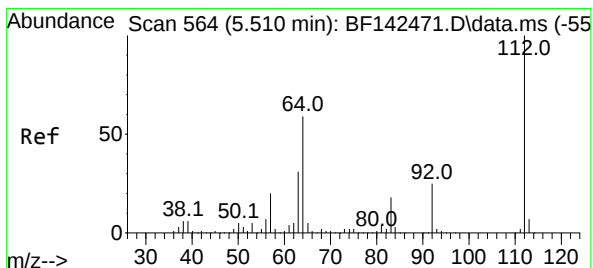
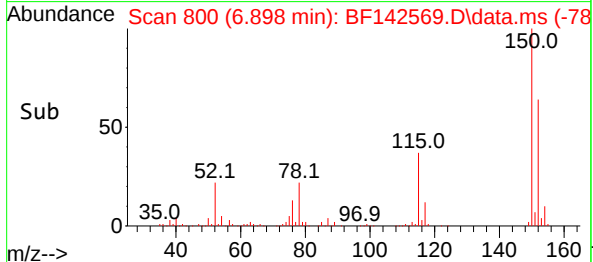
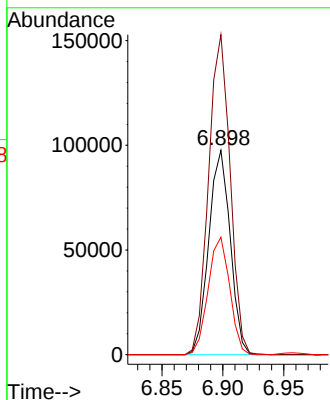
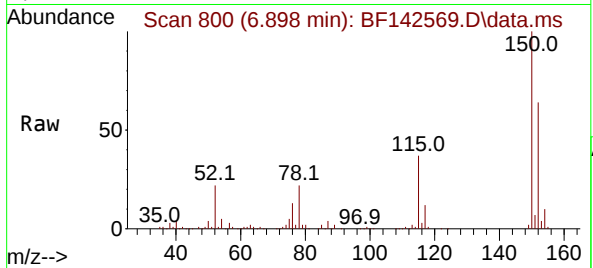




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142569.D
 Acq: 30 May 2025 14:52

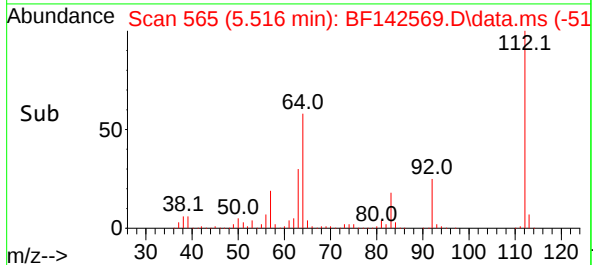
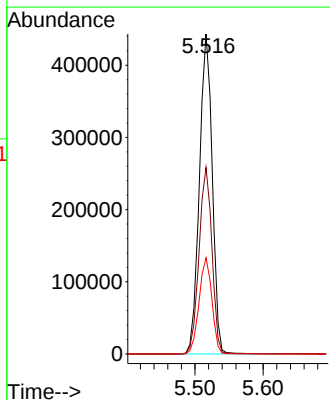
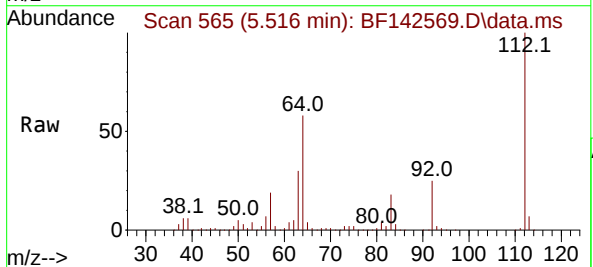
Instrument :
 BNA_F
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 TP-47

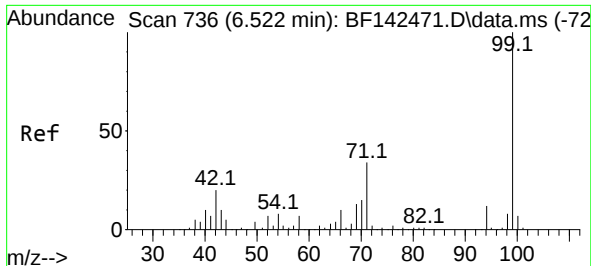
Tgt Ion:152 Resp: 119655
 Ion Ratio Lower Upper
 152 100
 150 156.6 128.2 192.4
 115 57.5 48.3 72.5



#5
 2-Fluorophenol
 Concen: 81.724 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142569.D
 Acq: 30 May 2025 14:52

Tgt Ion:112 Resp: 580421
 Ion Ratio Lower Upper
 112 100
 64 58.3 47.5 71.3
 63 30.1 24.9 37.3

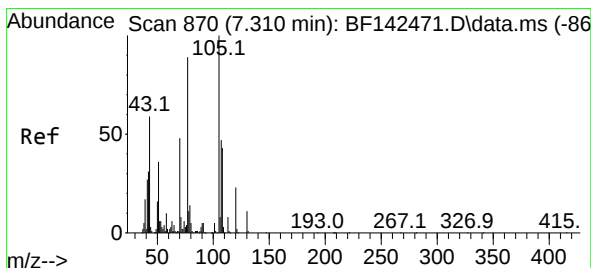
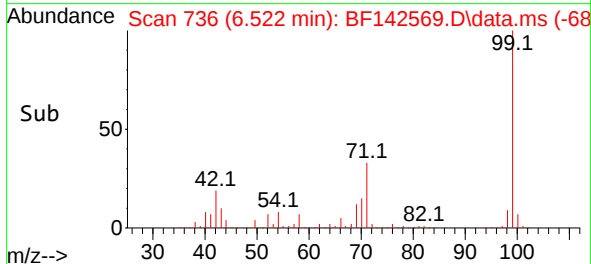
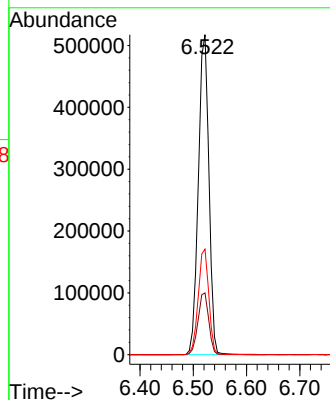
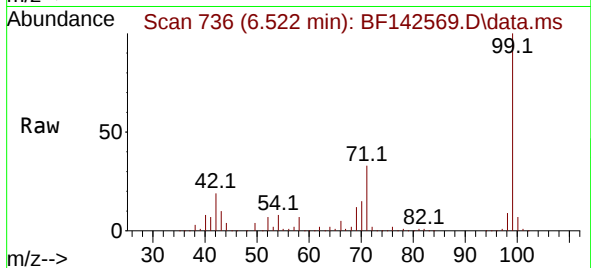




#7
Phenol-d6
Concen: 83.646 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

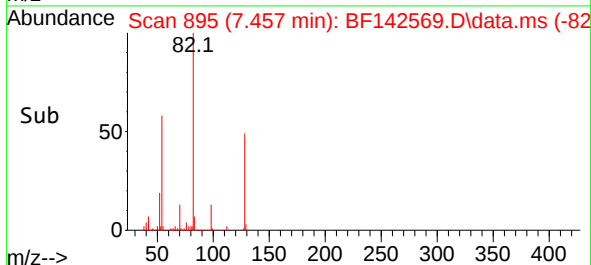
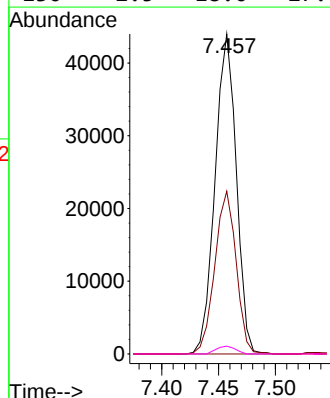
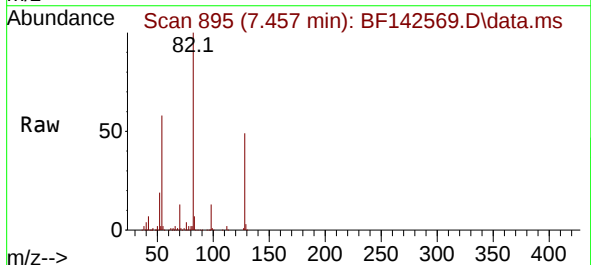
Instrument :
BNA_F
ClientSampleId :
TP-47

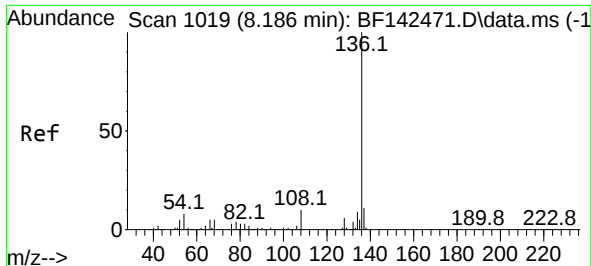
Tgt Ion: 99 Resp: 715121
Ion Ratio Lower Upper
99 100
42 19.3 16.2 24.2
71 33.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.808 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion: 70 Resp: 57265
Ion Ratio Lower Upper
70 100
42 50.8 52.4 78.6#
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

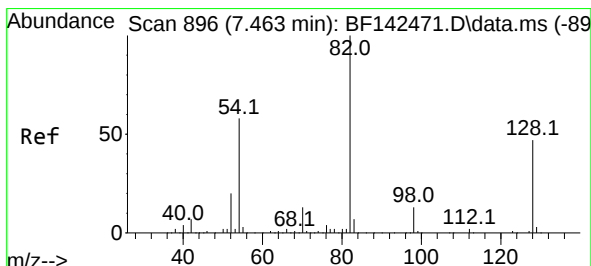
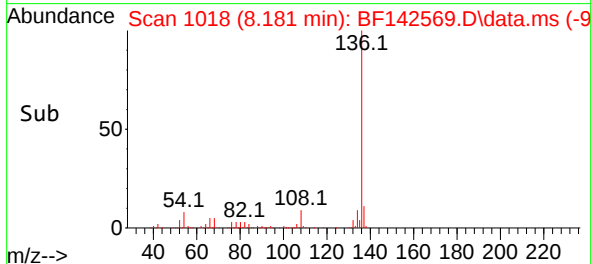
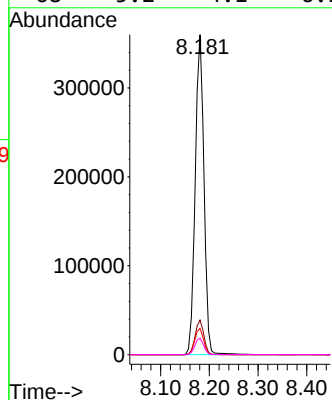
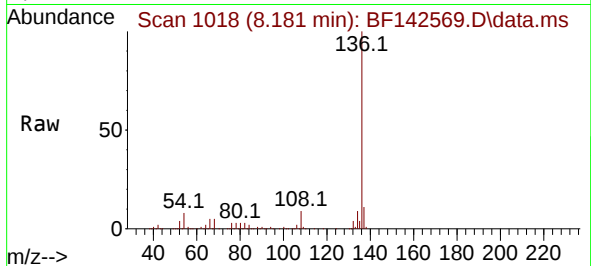




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

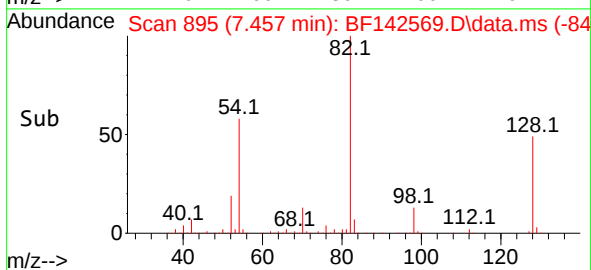
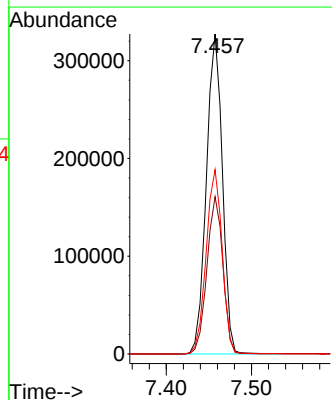
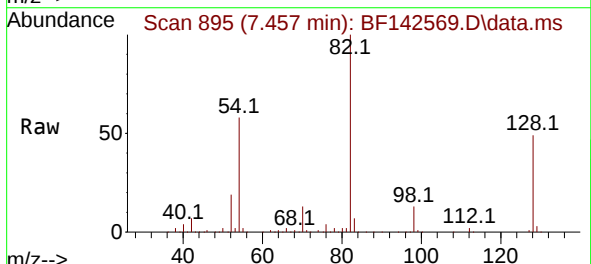
Instrument :
BNA_F
ClientSampleId :
TP-47

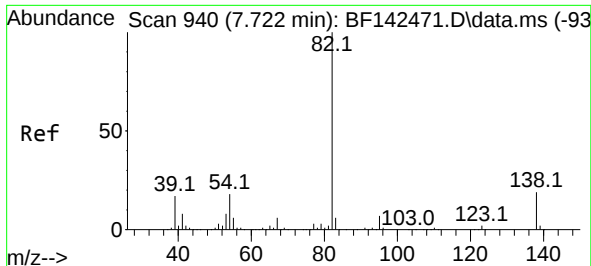
Tgt Ion:136 Resp: 452665
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 51.493 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion: 82 Resp: 427464
Ion Ratio Lower Upper
82 100
128 49.1 37.4 56.2
54 57.6 46.6 70.0

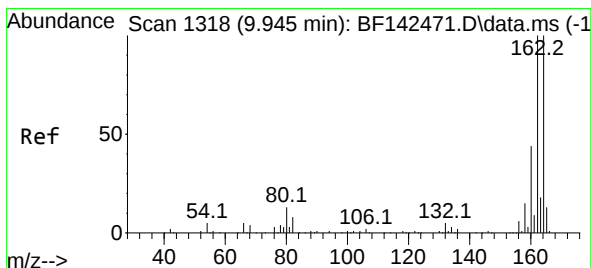
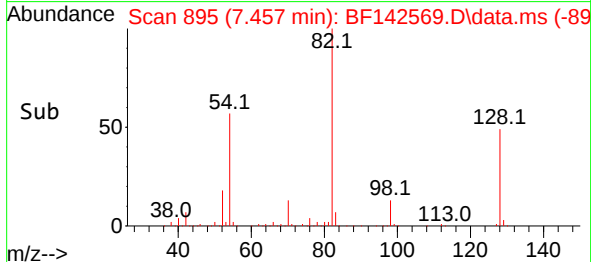
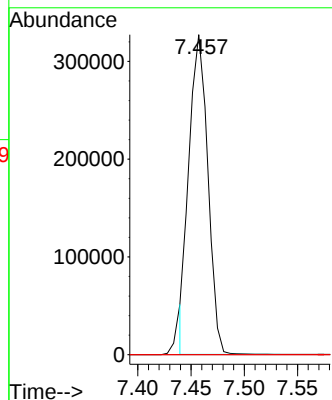
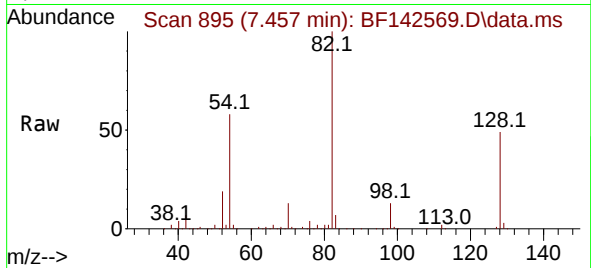




#25
Isophorone
Concen: 29.001 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

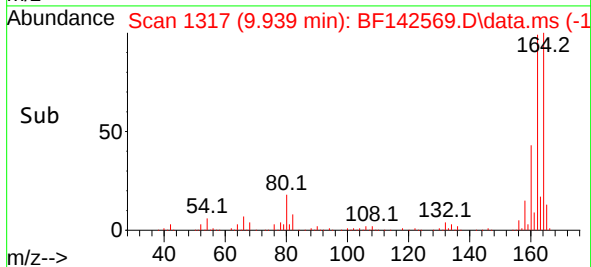
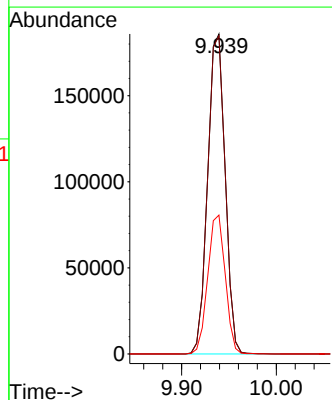
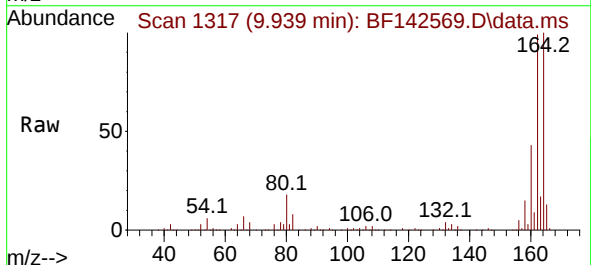
Instrument :
BNA_F
ClientSampleId :
TP-47

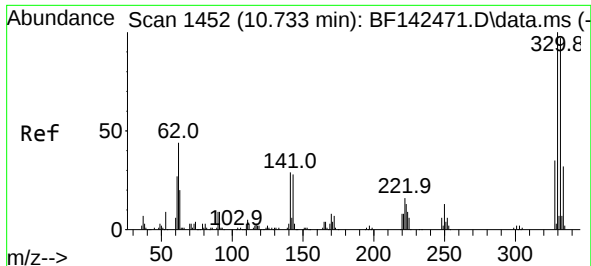
Tgt Ion: 82 Resp: 402511
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:164 Resp: 237881
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 43.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 80.881 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

TP-47

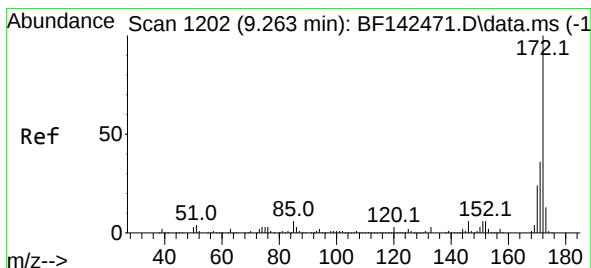
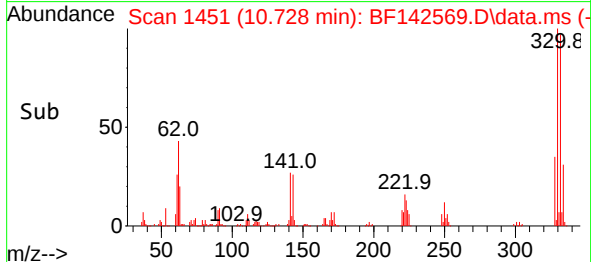
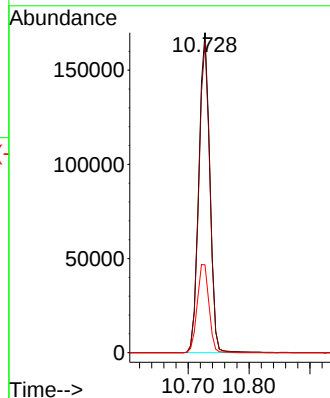
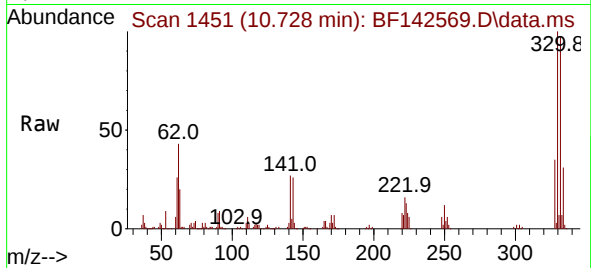
Tgt Ion:330 Resp: 213540

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 29.2 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 49.661 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

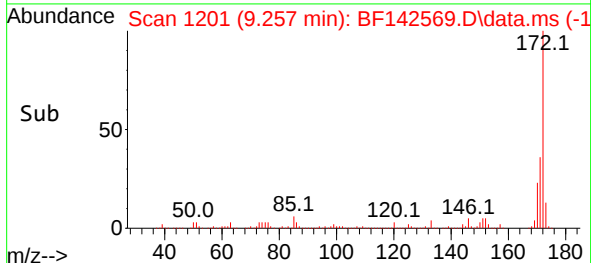
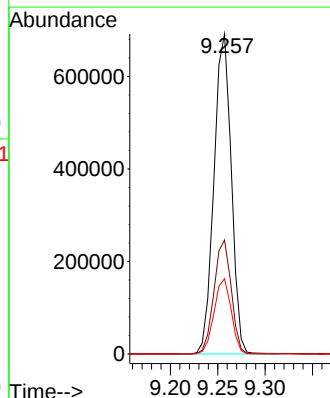
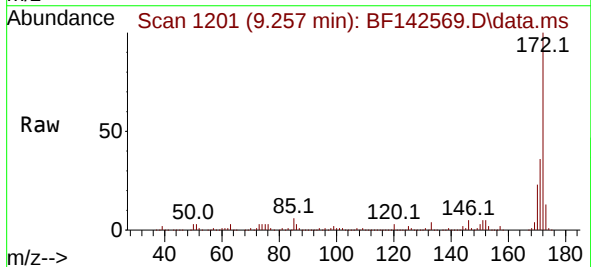
Tgt Ion:172 Resp: 880377

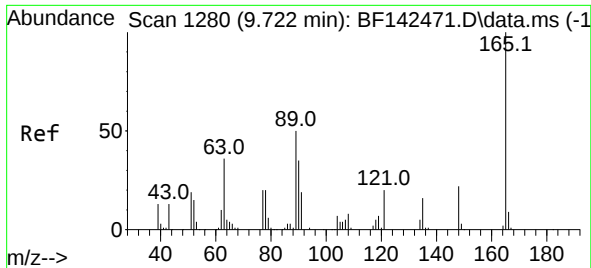
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.082 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

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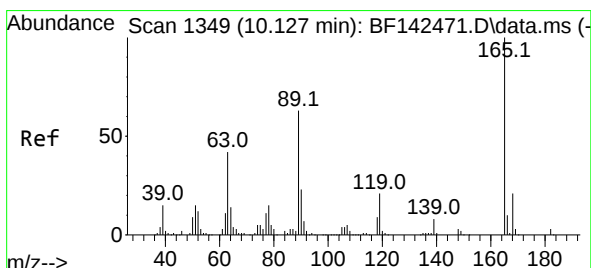
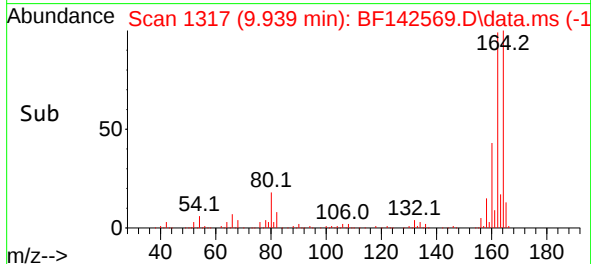
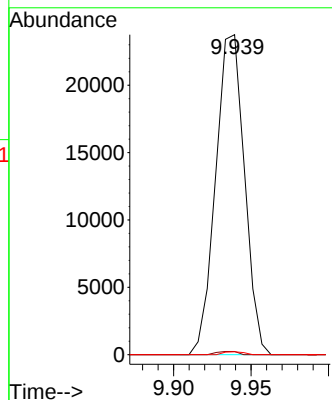
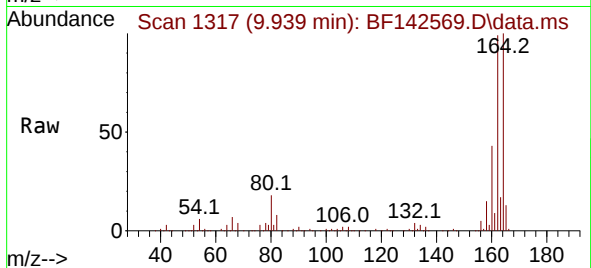
Tgt Ion:165 Resp: 30766

Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 0.9 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.954 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.194 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

Tgt Ion:165 Resp: 30766

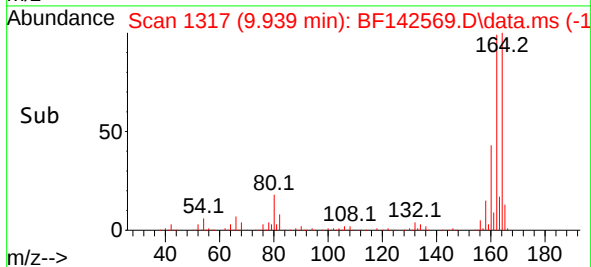
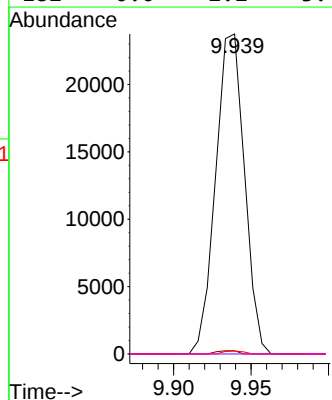
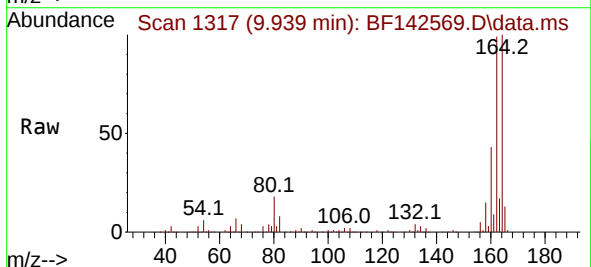
Ion Ratio Lower Upper

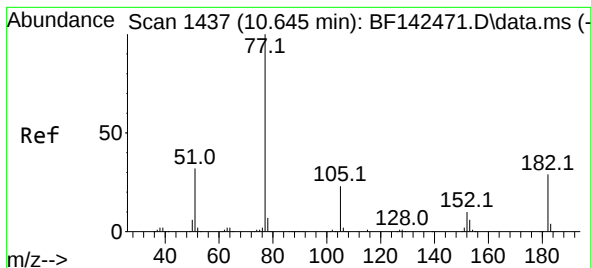
165 100

63 1.0 33.6 50.4#

89 0.9 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.980 ng

RT: 10.651 min Scan# 1438

Delta R.T. 0.006 min

Lab File: BF142569.D

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Tgt Ion: 77 Resp: 41038

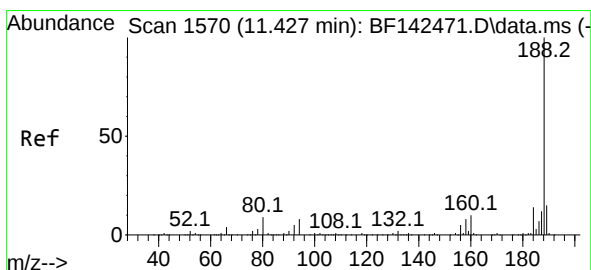
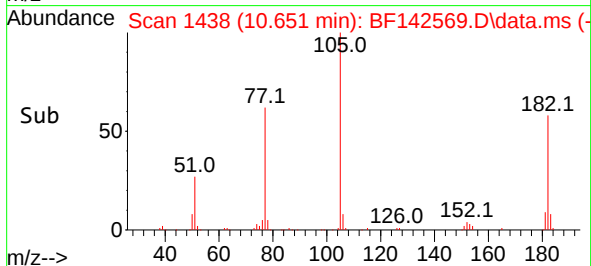
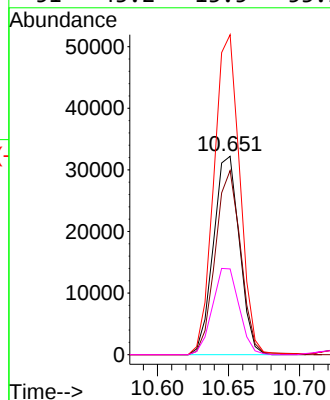
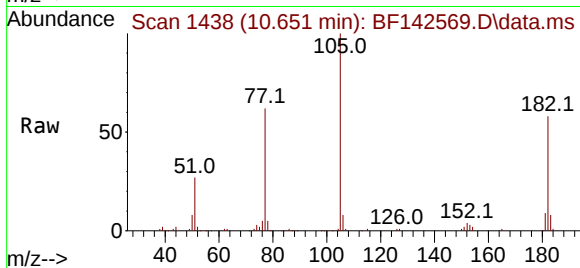
Ion Ratio Lower Upper

77 100

182 92.8 9.0 49.0#

105 161.3 2.4 42.4#

51 43.2 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

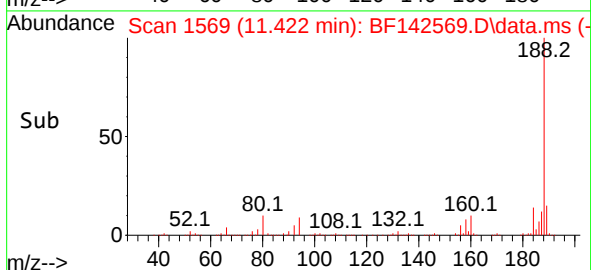
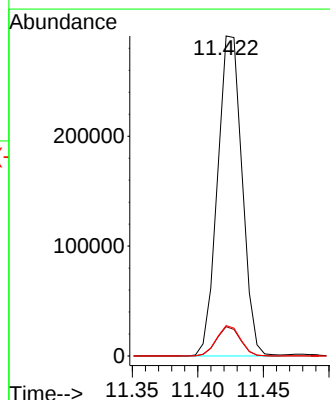
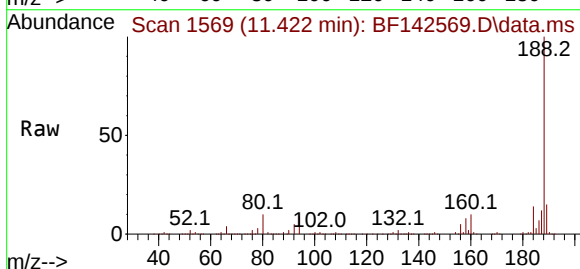
Tgt Ion:188 Resp: 379317

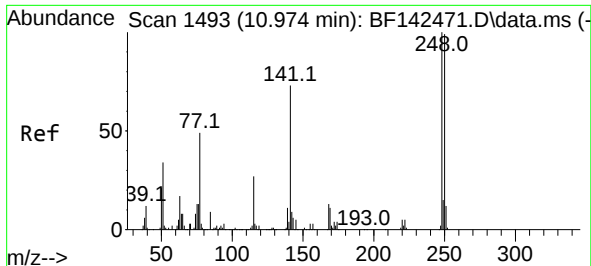
Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

80 9.5 7.4 11.0





#67

4-Bromophenyl-phenylether

Concen: 2.962 ng

RT: 10.728 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

Instrument :

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ClientSampleId :

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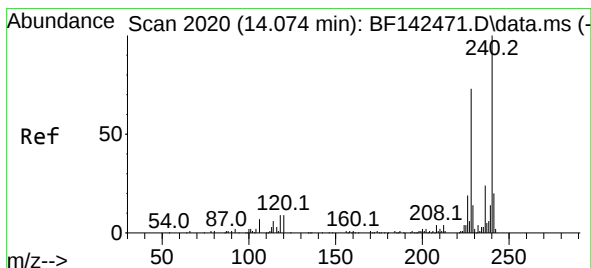
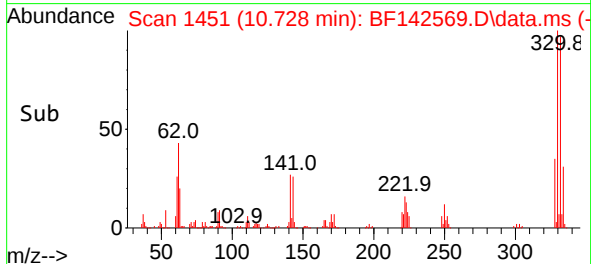
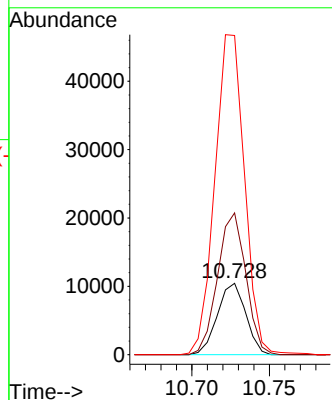
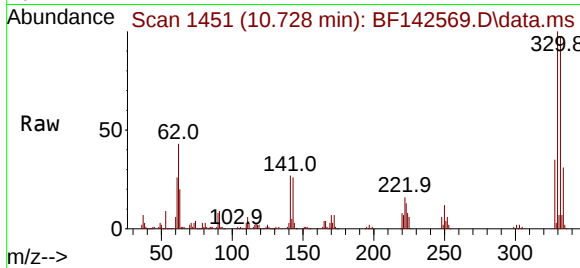
Tgt Ion:248 Resp: 13284

Ion Ratio Lower Upper

248 100

250 198.5 79.0 118.4#

141 446.9 58.4 87.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142569.D

Acq: 30 May 2025 14:52

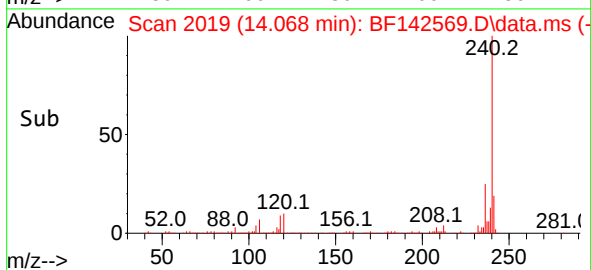
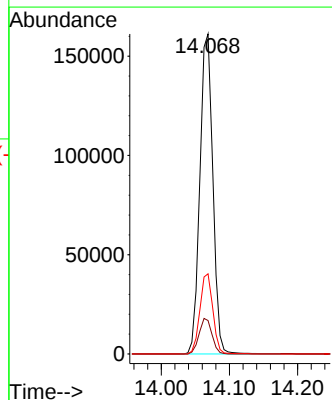
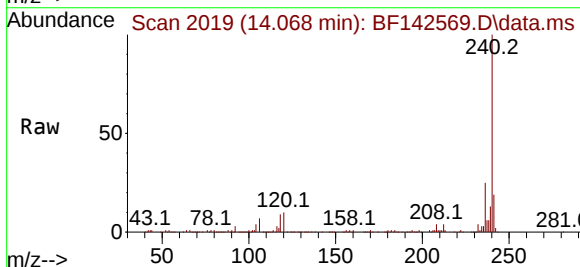
Tgt Ion:240 Resp: 213577

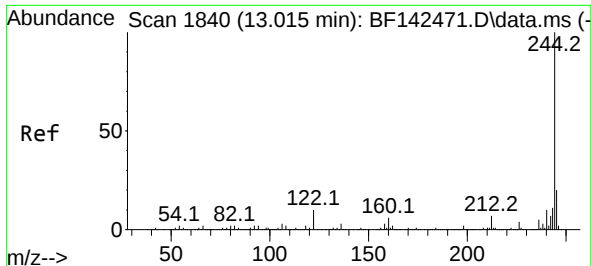
Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.1 19.6 29.4

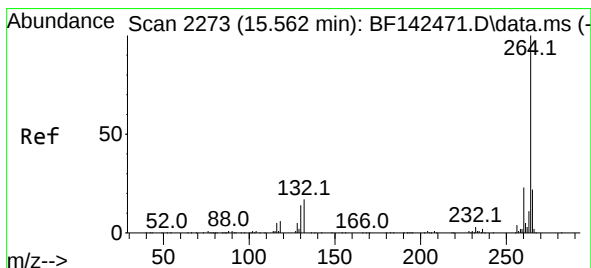
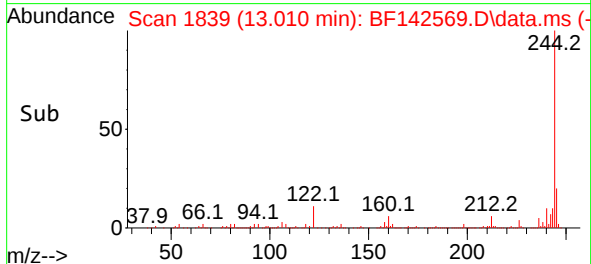
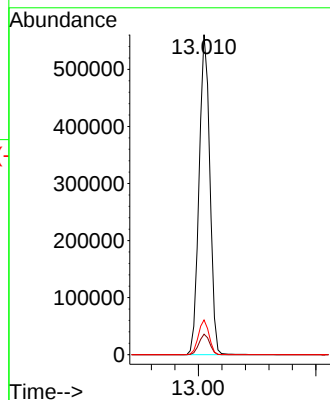
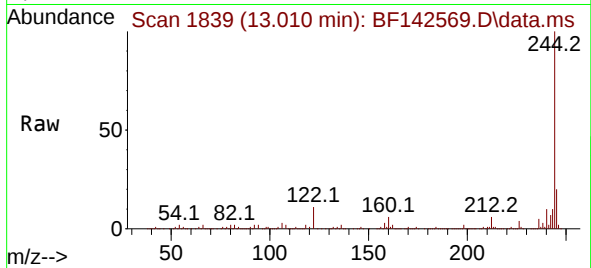




#79
 Terphenyl-d14
 Concen: 45.467 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142569.D
 Acq: 30 May 2025 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-47

Tgt Ion:244 Resp: 710605
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142569.D
 Acq: 30 May 2025 14:52

Tgt Ion:264 Resp: 233735
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.8 17.7 26.5

