

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142918.D
 Acq On : 30 Jun 2025 16:40
 Operator : RC/JU
 Sample : Q2429-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jun 30 17:06:42 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)

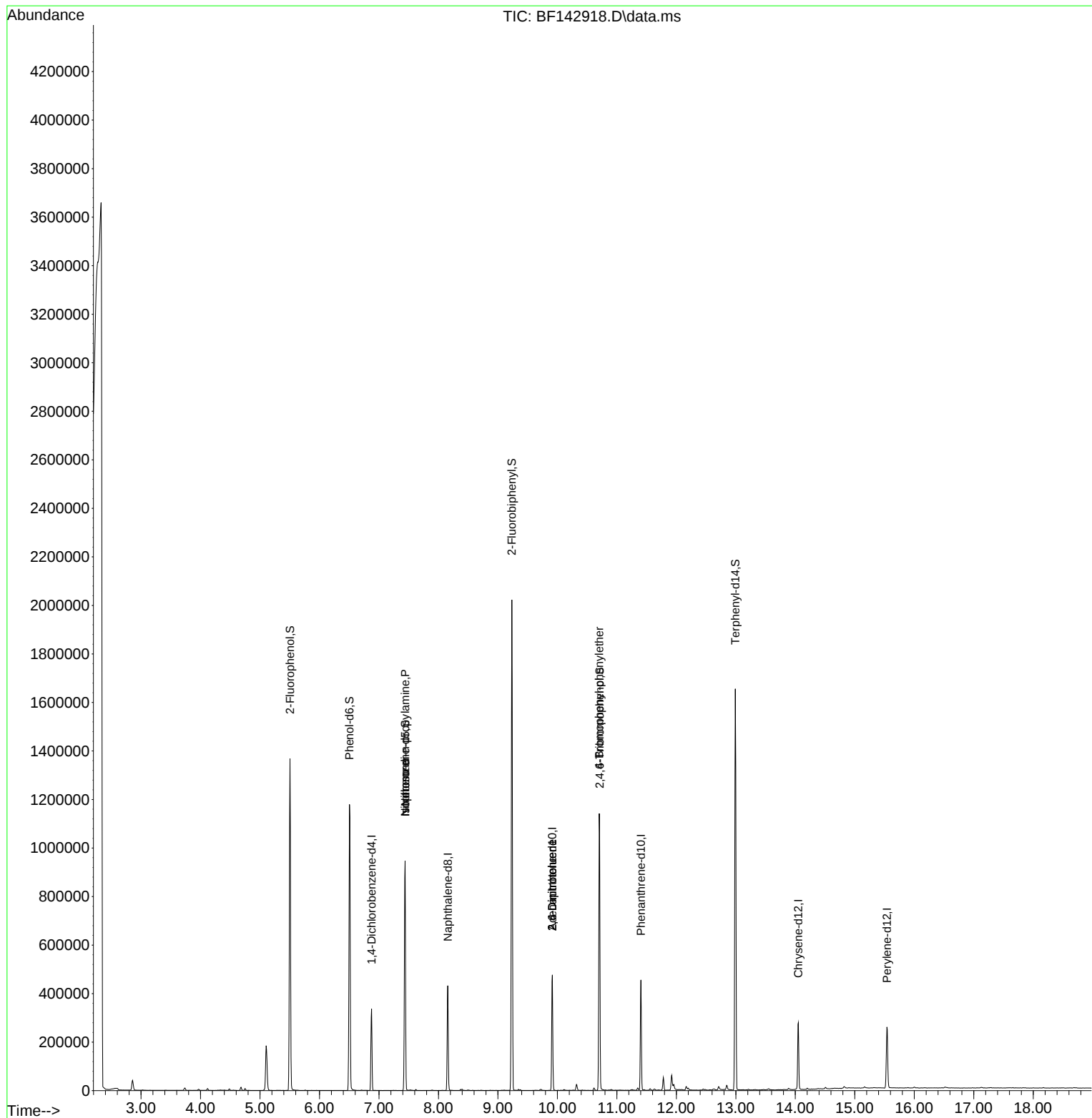
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73271	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	280164	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	144780	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	235227	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140683	20.000	ng	0.00
86) Perylene-d12	15.539	264	152032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	537667	122.173	ng	0.01
7) Phenol-d6	6.504	99	576532	111.039	ng	0.00
23) Nitrobenzene-d5	7.440	82	422110	82.641	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	202552	135.951	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	908693	82.451	ng	-0.01
79) Terphenyl-d14	12.992	244	800874	78.657	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	57151	18.926	ng	# 75
25) Isophorone	7.440	82	419514	51.200	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18619	9.047	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	18619	6.811	ng	# 27
67) 4-Bromophenyl-phenylether	10.704	248	13047	4.874	ng	# 1

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

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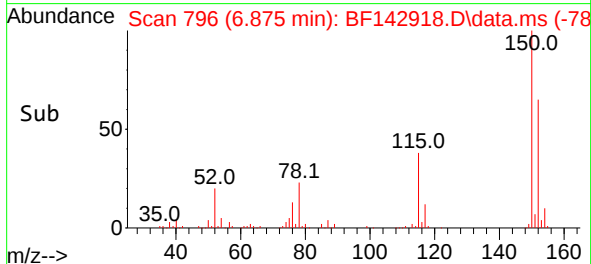
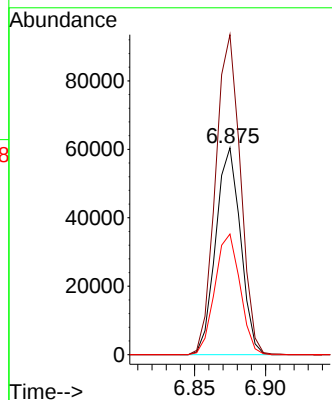
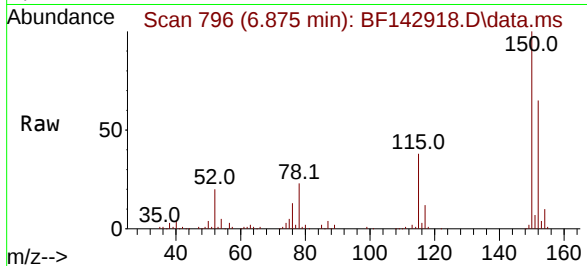




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

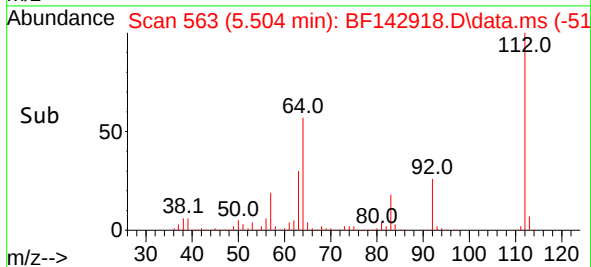
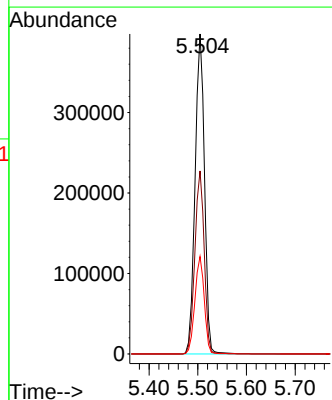
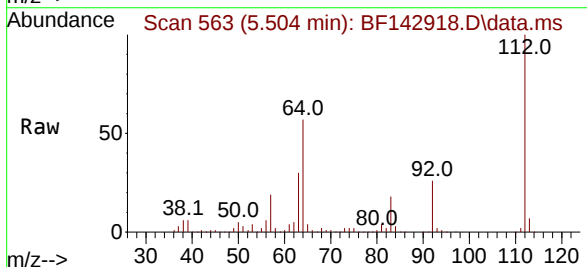
Instrument :
BNA_F
ClientSampleId :
TP-4

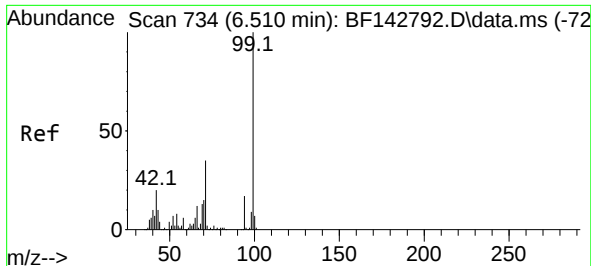
Tgt Ion:152 Resp: 73271
Ion Ratio Lower Upper
152 100
150 154.7 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 122.173 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

Tgt Ion:112 Resp: 537667
Ion Ratio Lower Upper
112 100
64 57.2 48.2 72.2
63 30.5 25.7 38.5





#7
Phenol-d6
Concen: 111.039 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

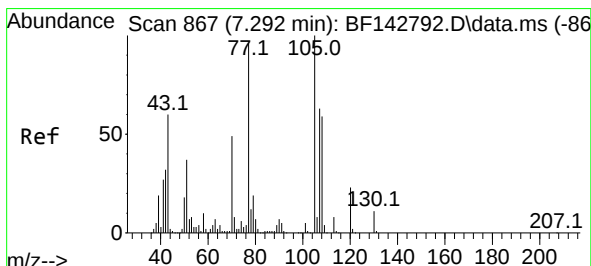
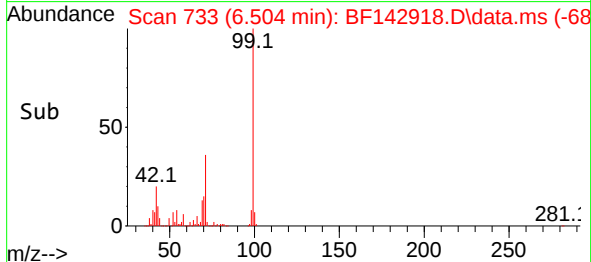
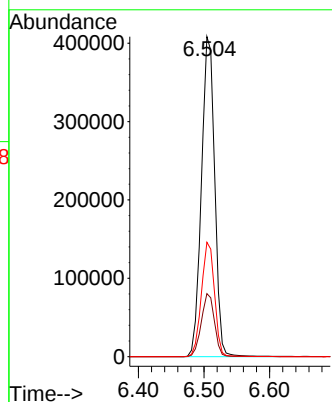
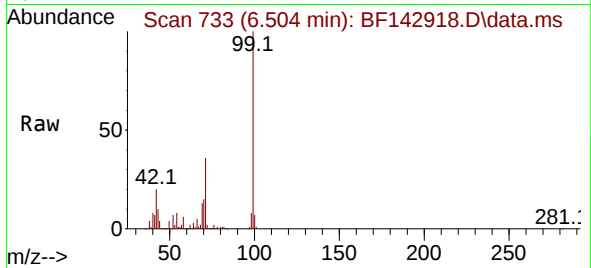
Instrument :

BNA_F

ClientSampleId :

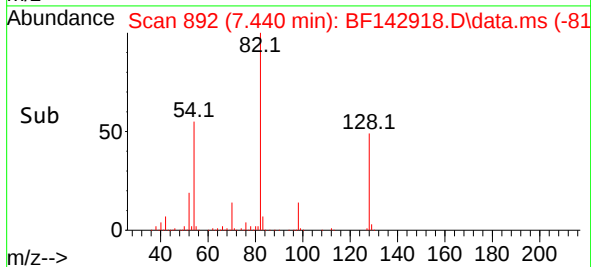
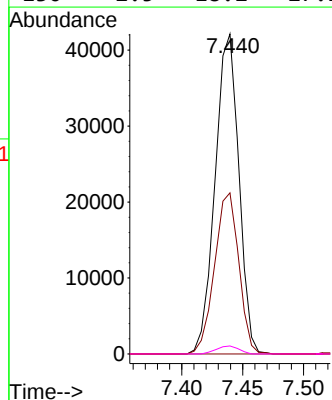
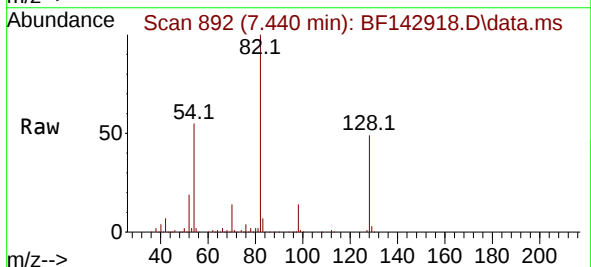
TP-4

Tgt Ion: 99 Resp: 576532
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.926 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

Tgt Ion: 70 Resp: 57151
Ion Ratio Lower Upper
70 100
42 50.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#



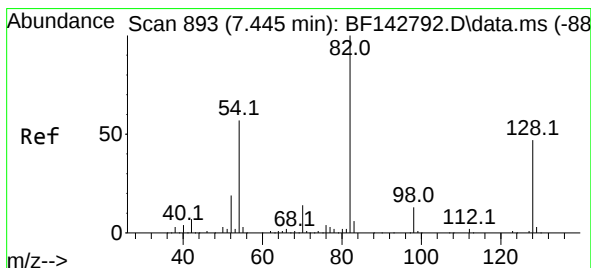
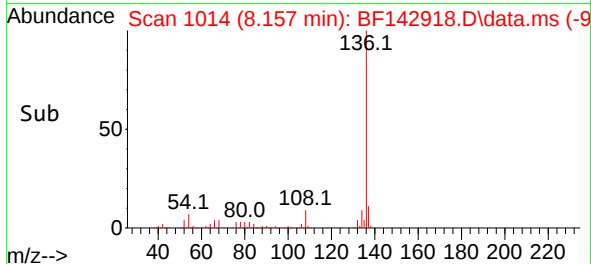
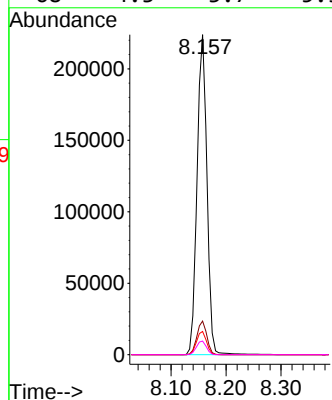
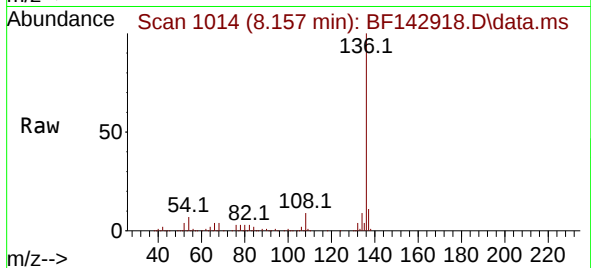


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 280164

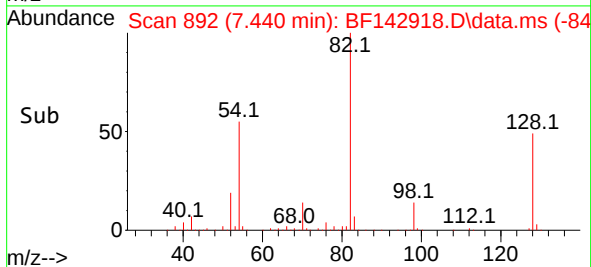
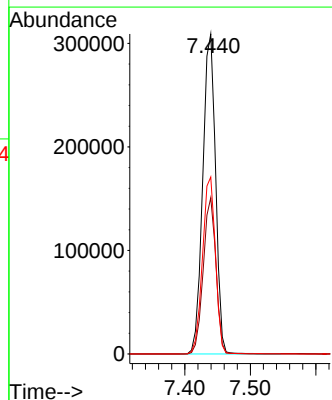
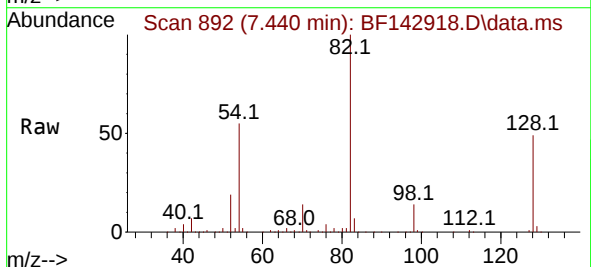
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5



#23
Nitrobenzene-d5
Concen: 82.641 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

Tgt Ion: 82 Resp: 422110

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.3	45.7	68.5

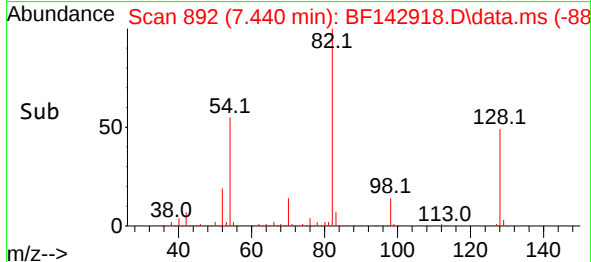
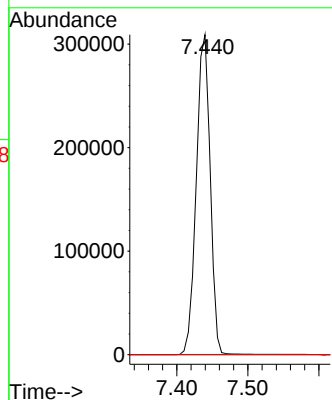
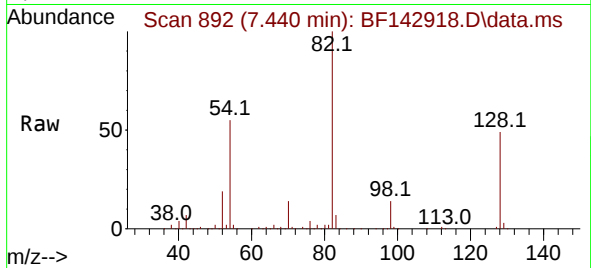




#25
Isophorone
Concen: 51.200 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

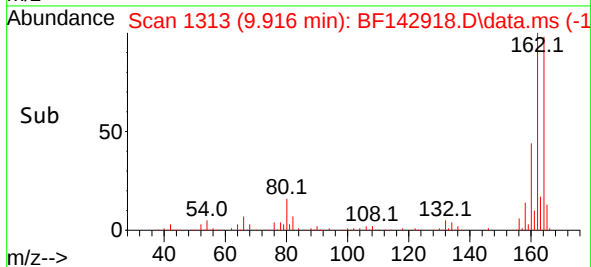
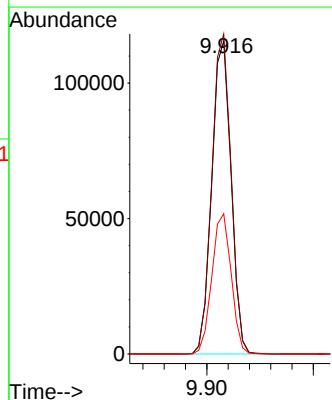
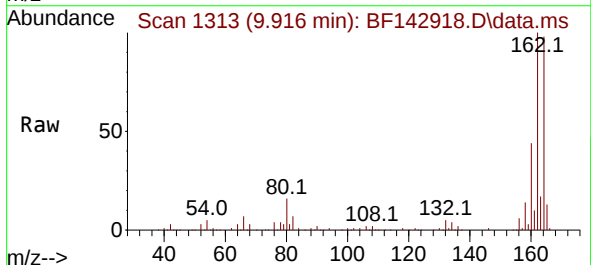
Instrument :
BNA_F
ClientSampleId :
TP-4

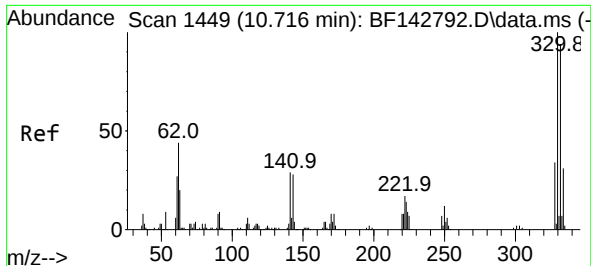
Tgt Ion: 82 Resp: 419514
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142918.D
Acq: 30 Jun 2025 16:40

Tgt Ion:164 Resp: 144780
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 44.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 135.951 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

Instrument :

BNA_F

ClientSampleId :

TP-4

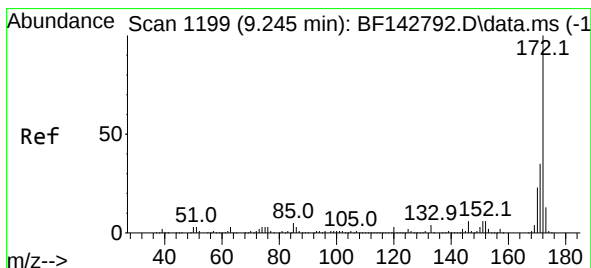
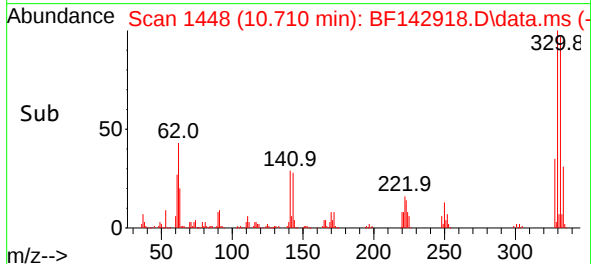
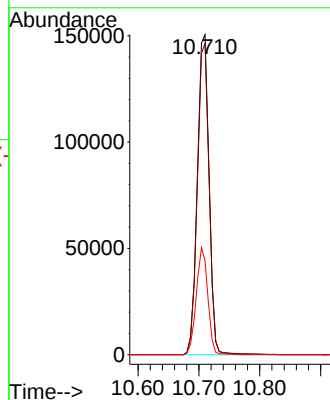
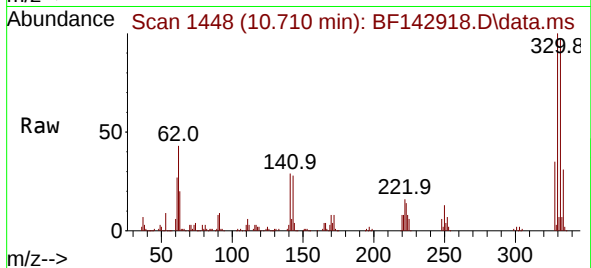
Tgt Ion:330 Resp: 202552

Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.6 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 82.451 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

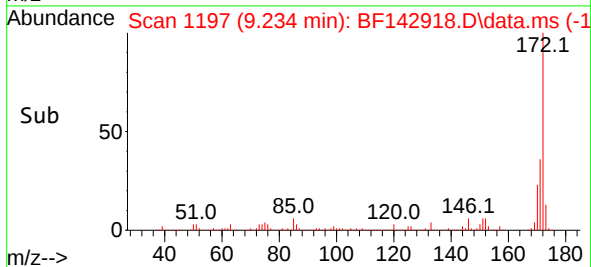
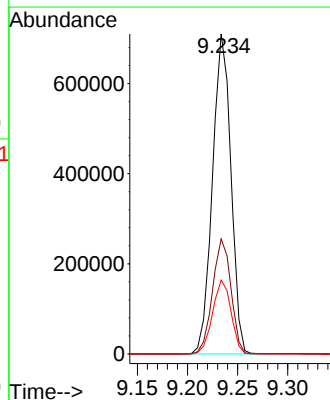
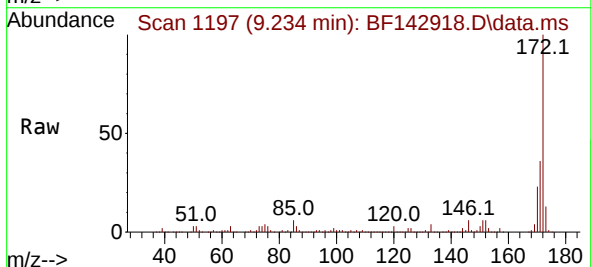
Tgt Ion:172 Resp: 908693

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.1 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.047 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

Instrument :

BNA_F

ClientSampleId :

TP-4

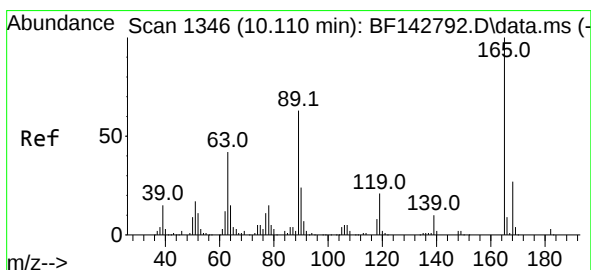
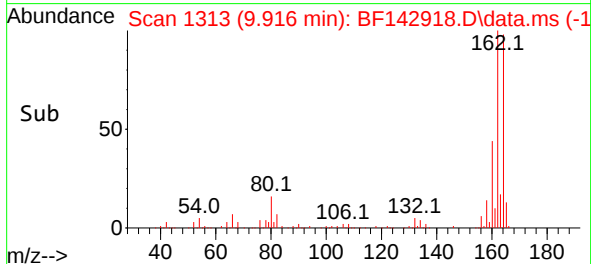
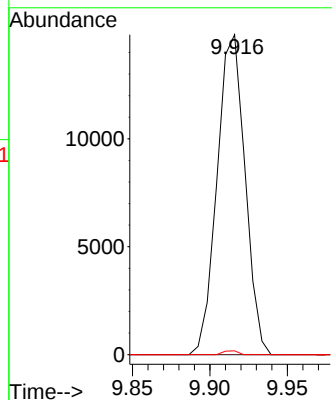
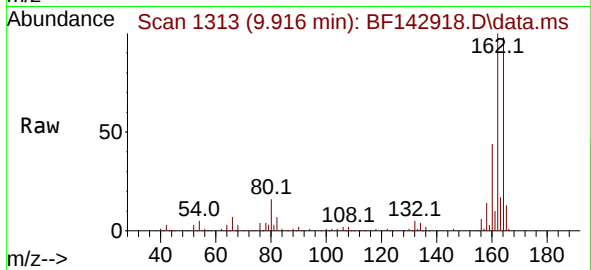
Tgt Ion:165 Resp: 18619

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: 6.811 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

Tgt Ion:165 Resp: 18619

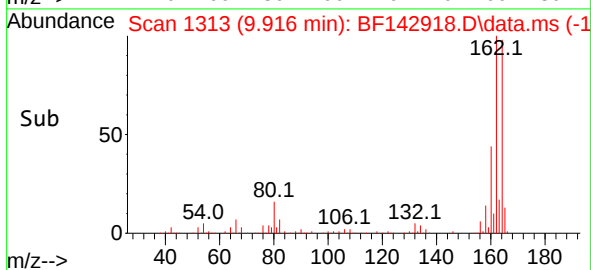
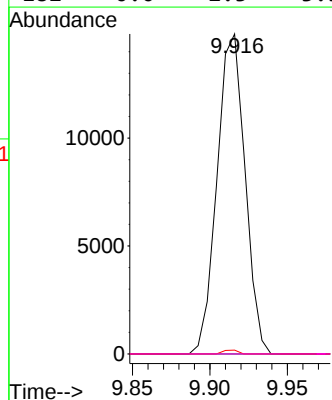
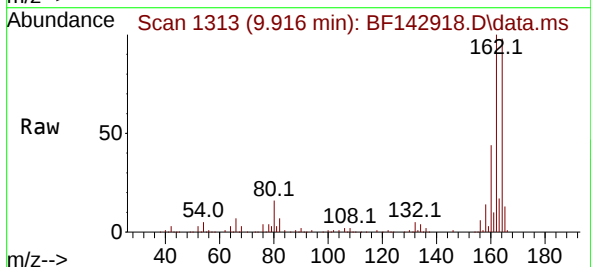
Ion Ratio Lower Upper

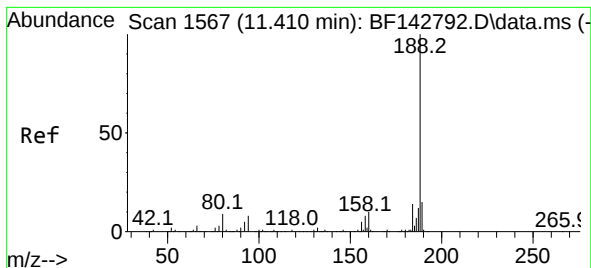
165 100

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: BF142918.D

Acq: 30 Jun 2025 16:40

Instrument :

BNA_F

ClientSampleId :

TP-4

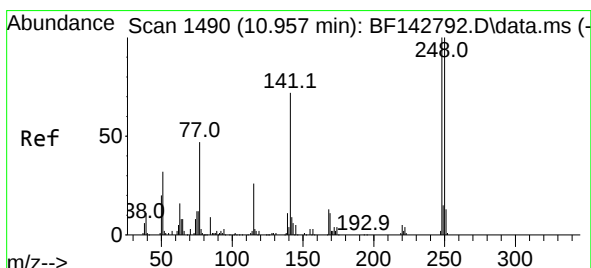
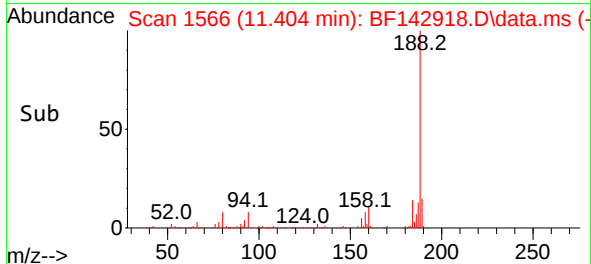
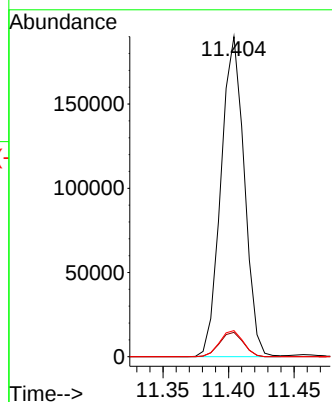
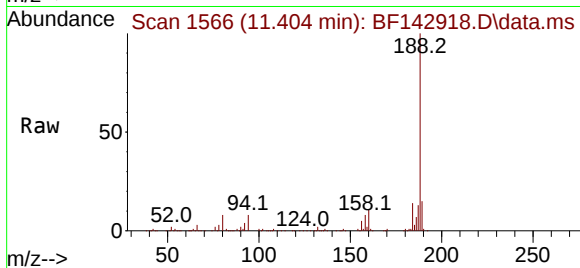
Tgt Ion:188 Resp: 235227

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 8.2 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.874 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

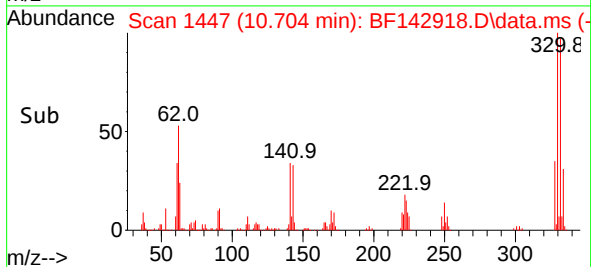
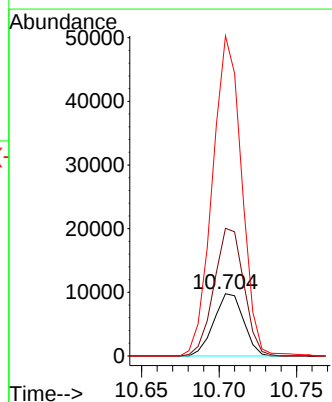
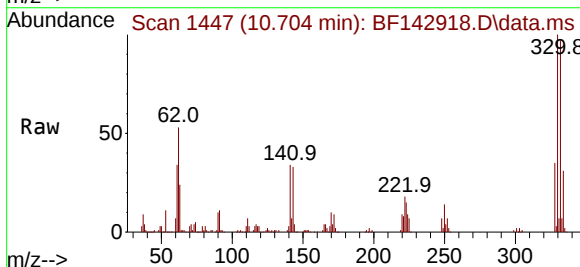
Tgt Ion:248 Resp: 13047

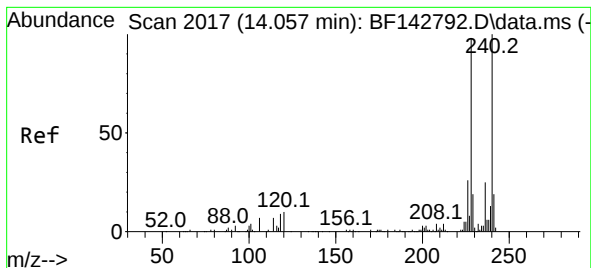
Ion Ratio Lower Upper

248 100

250 205.3 79.8 119.8#

141 514.3 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: BF142918.D

Acq: 30 Jun 2025 16:40

Instrument :

BNA_F

ClientSampleId :

TP-4

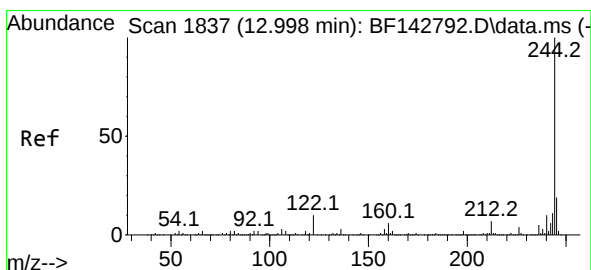
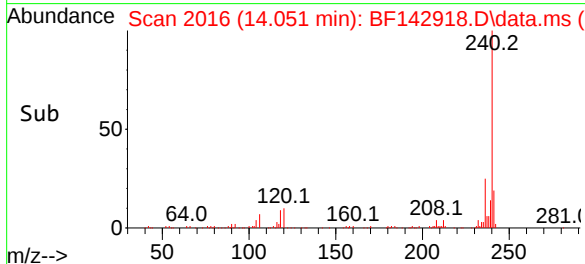
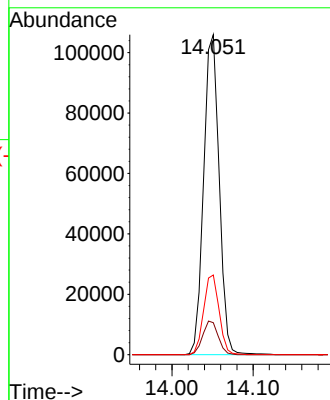
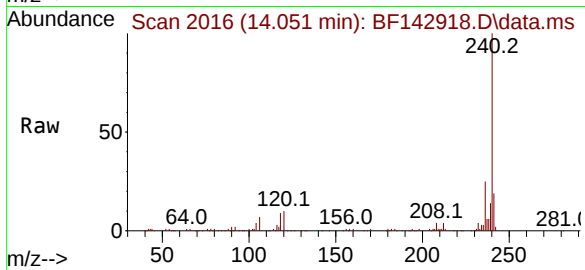
Tgt Ion:240 Resp: 140683

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 78.657 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142918.D

Acq: 30 Jun 2025 16:40

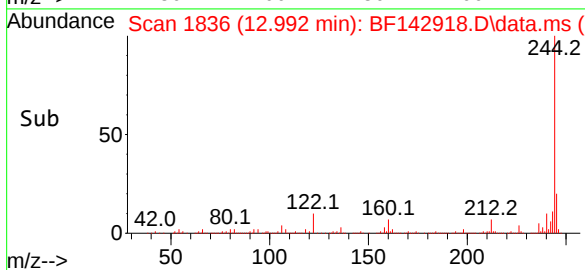
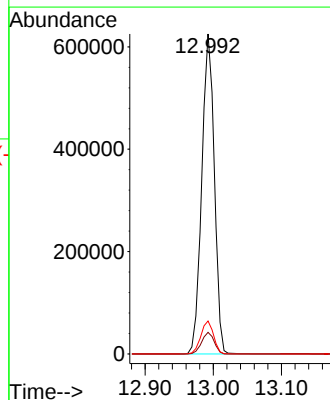
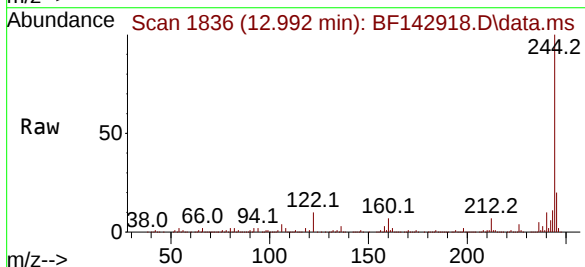
Tgt Ion:244 Resp: 800874

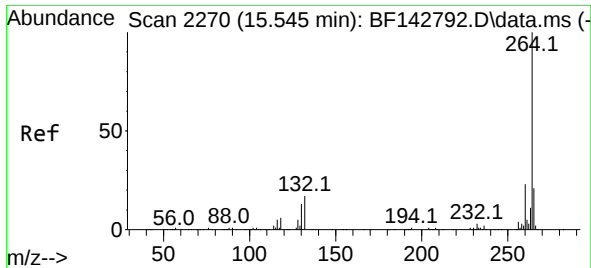
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.3 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: BF142918.D
Acq: 30 Jun 2025 16:40

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:264 Resp: 152032
Ion Ratio Lower Upper
264 100
260 22.6 18.1 27.1
265 21.8 16.6 25.0

