

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142990.D
 Acq On : 03 Jul 2025 11:25
 Operator : RC/JU
 Sample : PB168674BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168674BL

Quant Time: Jul 03 11:43:17 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)

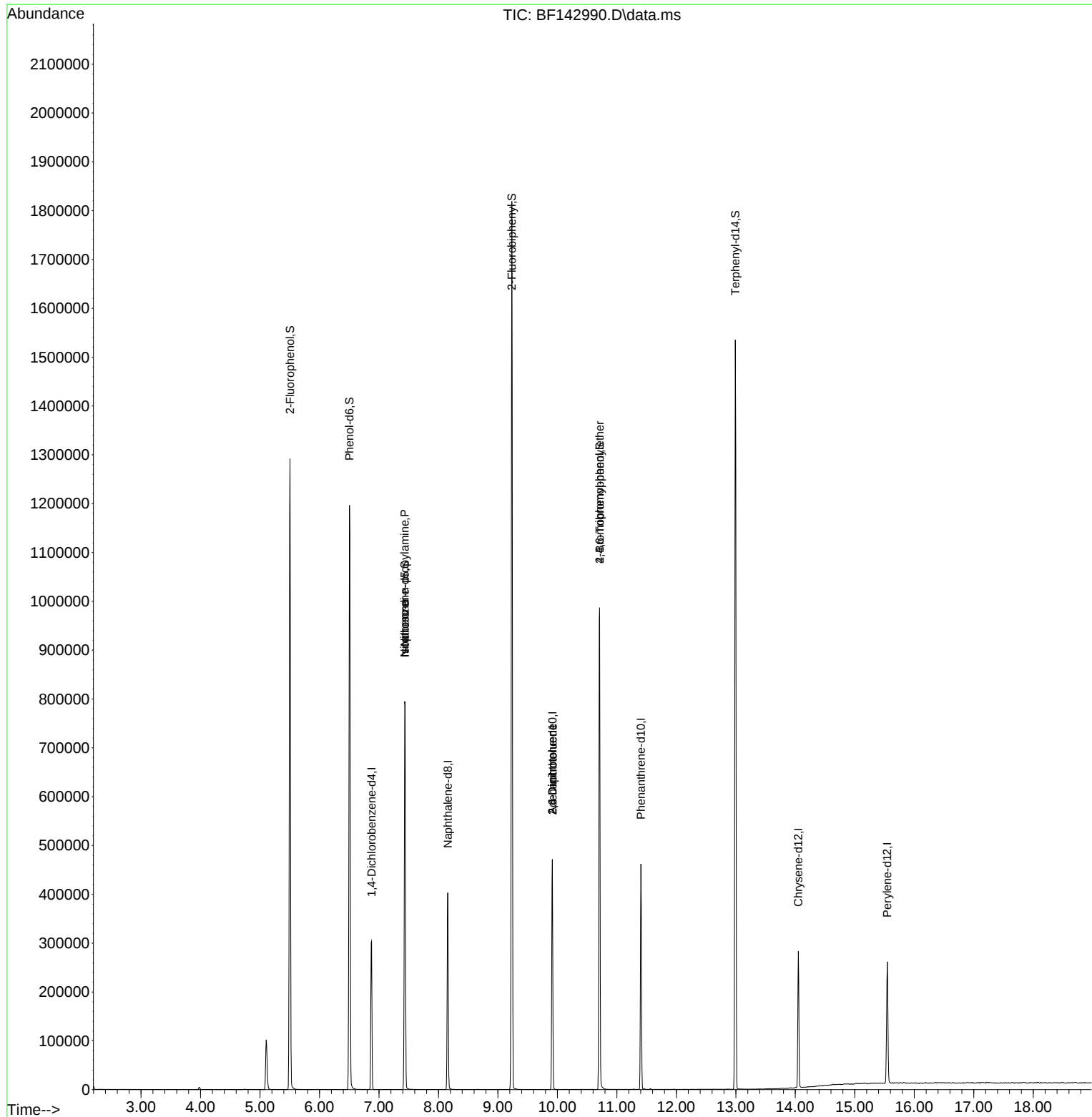
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69300	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	271940	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	146089	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	243571	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138339	20.000	ng	0.00
86) Perylene-d12	15.545	264	149416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	509939	122.512	ng	0.01
7) Phenol-d6	6.504	99	599839	122.148	ng	0.00
23) Nitrobenzene-d5	7.434	82	373345	75.304	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	181580	120.783	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	845783	76.055	ng	-0.01
79) Terphenyl-d14	12.992	244	752266	75.135	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	50611	17.720	ng	# 75
25) Isophorone	7.434	82	371214	46.675	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18916	9.109	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	18916	6.857	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	11850	4.275	ng	# 1

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

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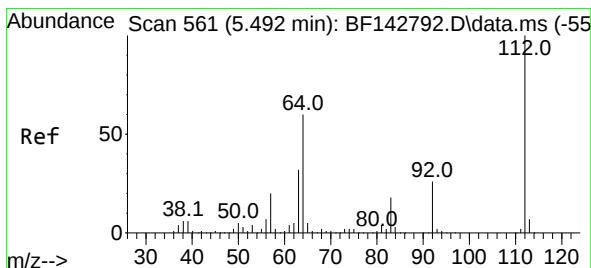
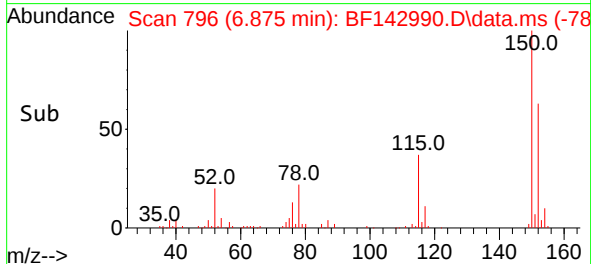
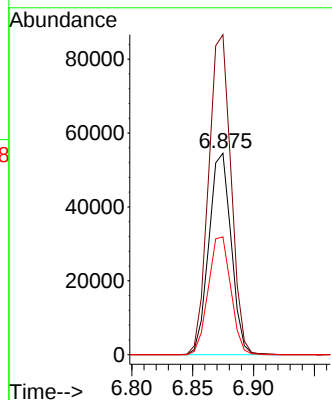
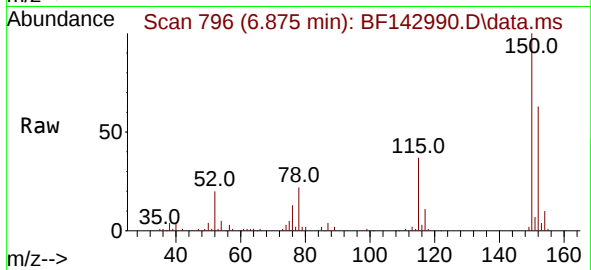




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

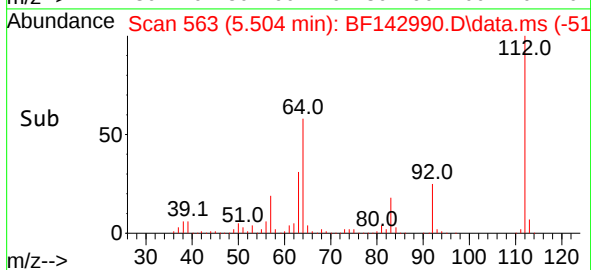
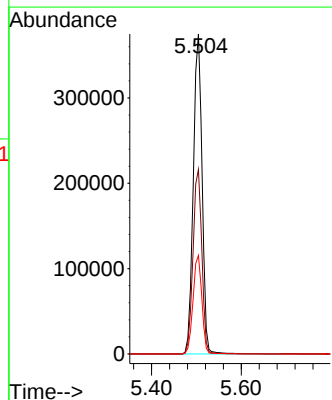
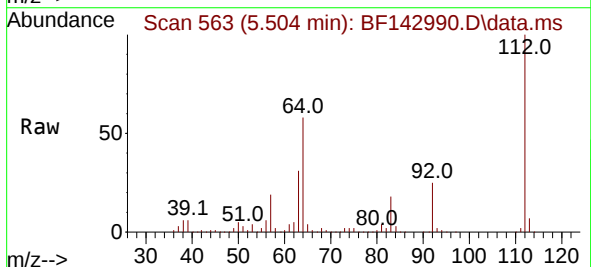
Instrument :
BNA_F
ClientSampleId :
PB168674BL

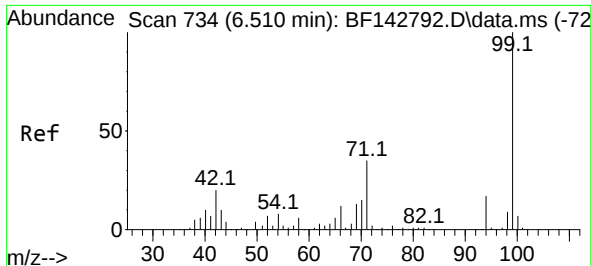
Tgt Ion:152 Resp: 69300
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 58.4 46.6 69.8



#5
2-Fluorophenol
Concen: 122.512 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:112 Resp: 509939
Ion Ratio Lower Upper
112 100
64 57.7 48.2 72.2
63 30.8 25.7 38.5

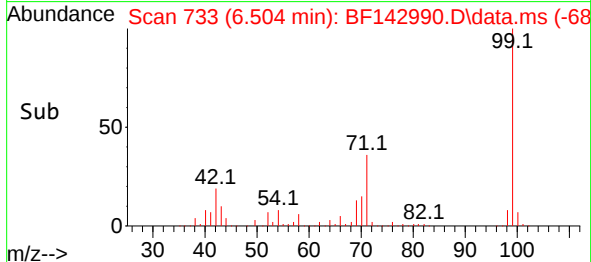
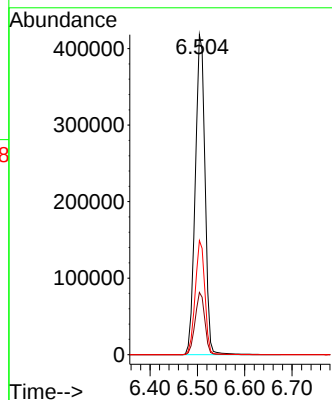
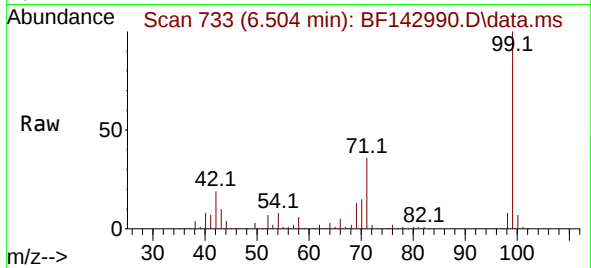




#7
Phenol-d6
Concen: 122.148 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

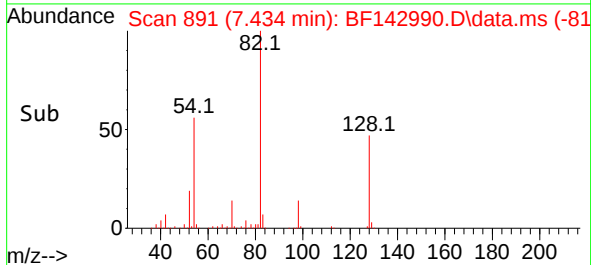
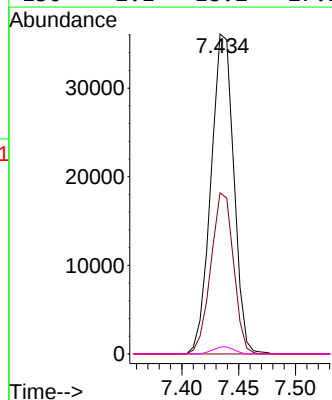
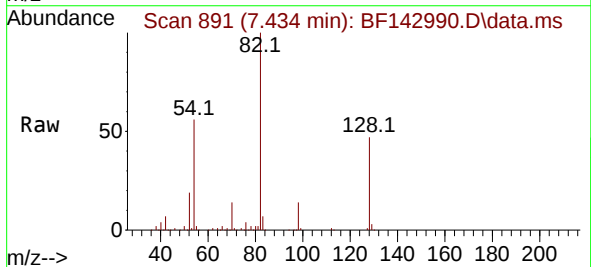
Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion: 99 Resp: 599839
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 35.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.720 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion: 70 Resp: 50611
Ion Ratio Lower Upper
70 100
42 50.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#



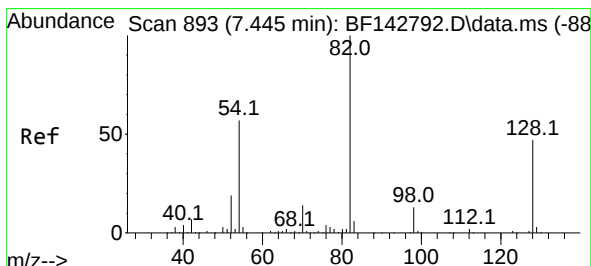
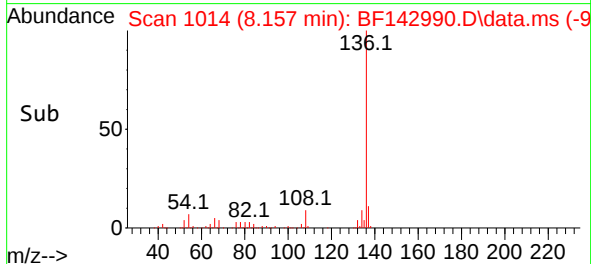
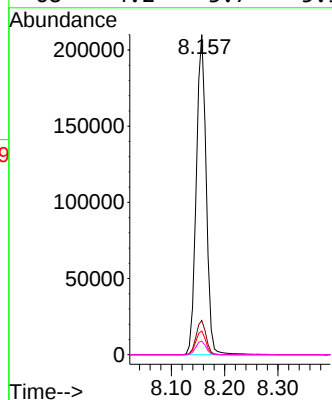
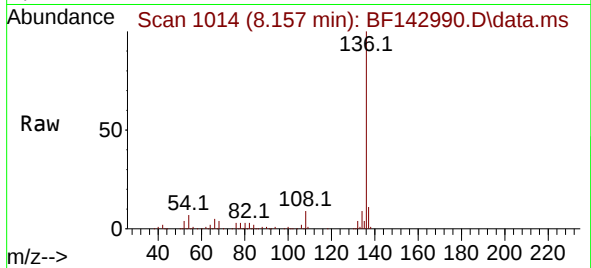


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

Tgt Ion:136 Resp: 271940

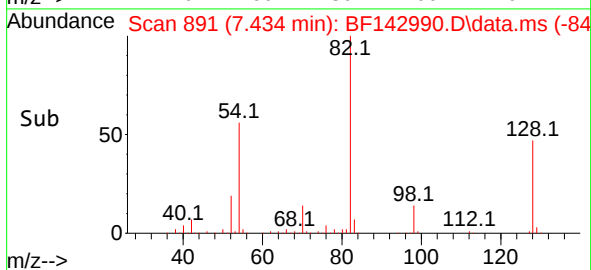
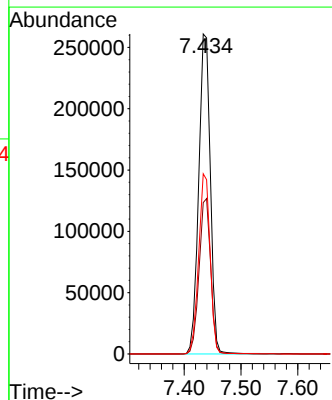
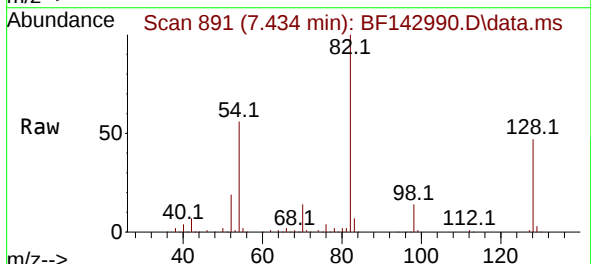
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 75.304 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion: 82 Resp: 373345

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	56.3	45.7	68.5

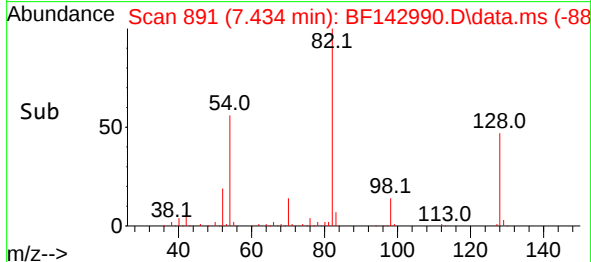
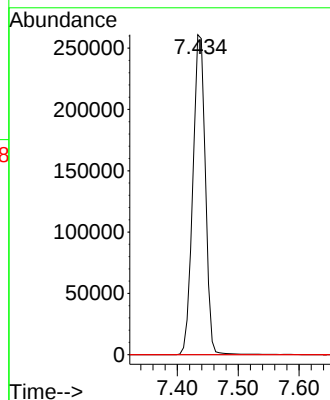
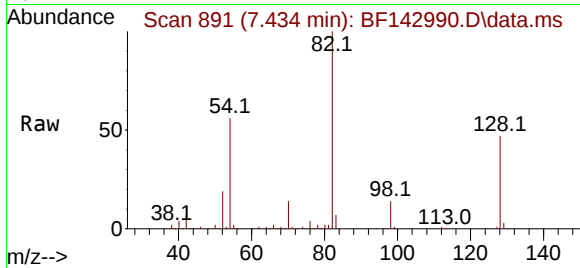




#25
Isophorone
Concen: 46.675 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

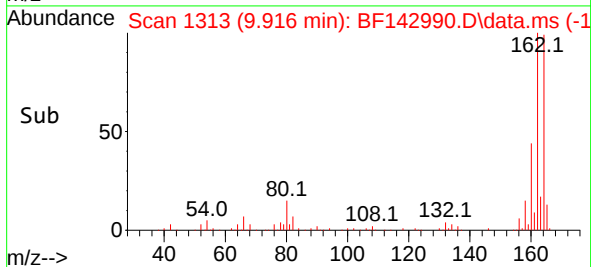
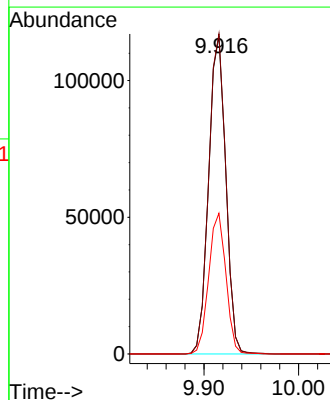
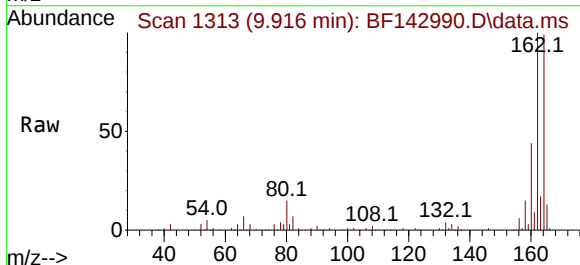
Instrument :
BNA_F
ClientSampleId :
PB168674BL

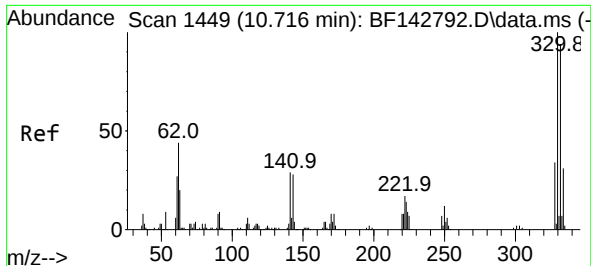
Tgt Ion: 82 Resp: 371214
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

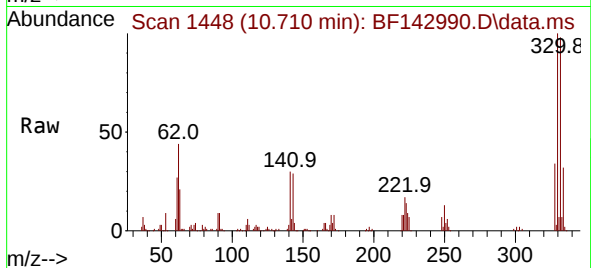
Tgt Ion:164 Resp: 146089
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 44.2 36.0 54.0



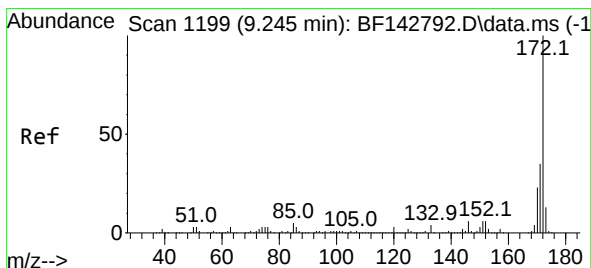
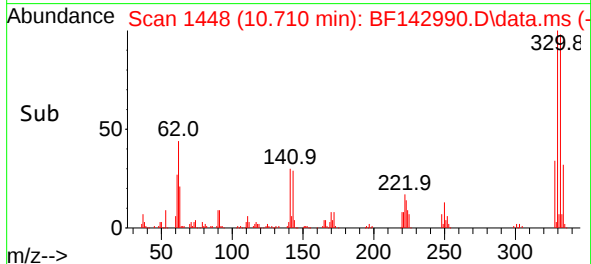
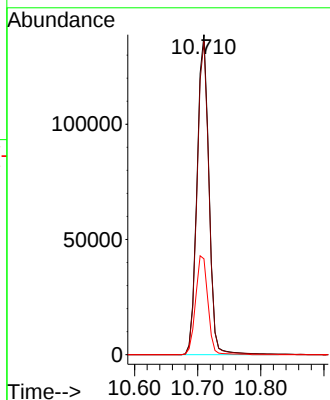


#42
2,4,6-Tribromophenol
Concen: 120.783 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Instrument :
BNA_F
ClientSampleId :
PB168674BL

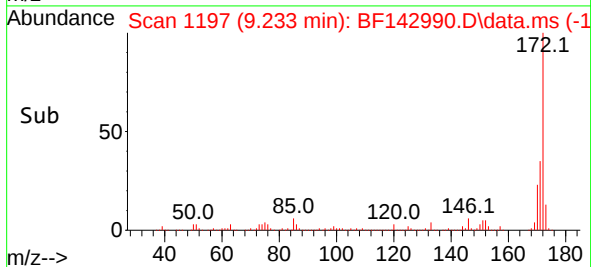
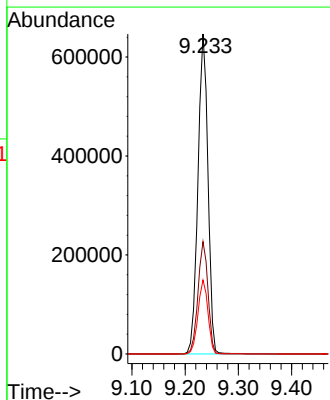
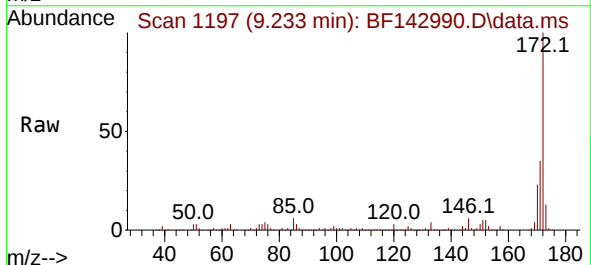


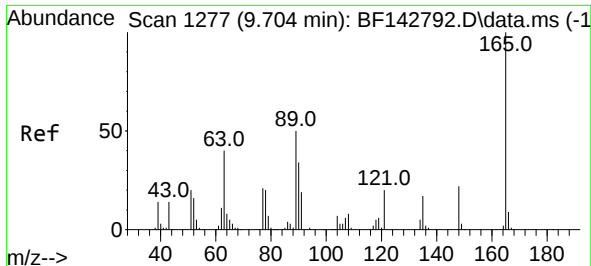
Tgt Ion:330 Resp: 181580
Ion Ratio Lower Upper
330 100
332 97.4 75.0 112.6
141 31.8 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 76.055 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142990.D
Acq: 03 Jul 2025 11:25

Tgt Ion:172 Resp: 845783
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.1 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.109 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142990.D

Acq: 03 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

PB168674BL

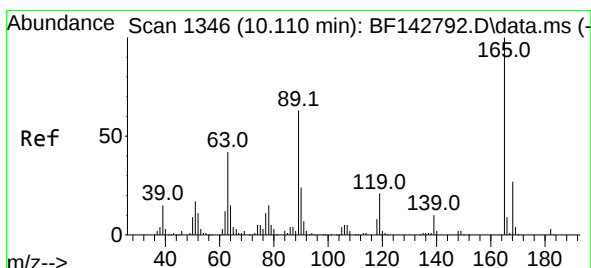
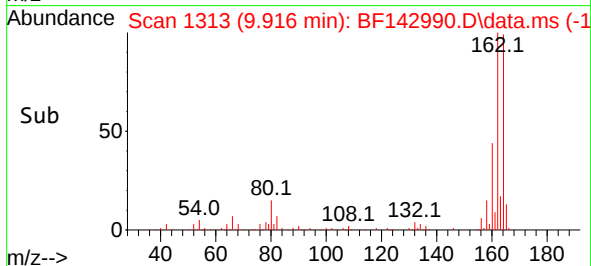
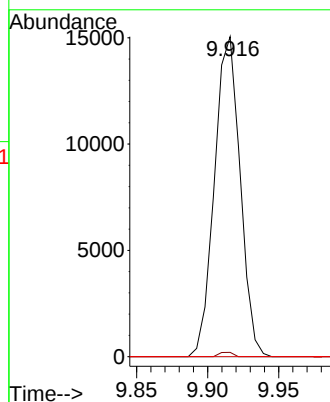
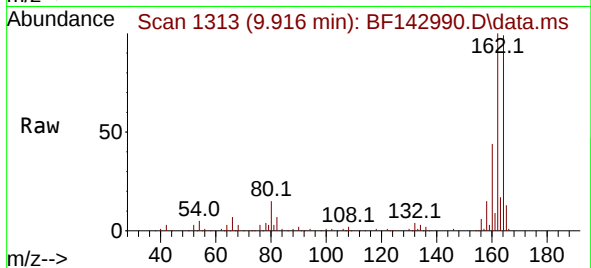
Tgt Ion:165 Resp: 18916

Ion Ratio Lower Upper

165 100

63 1.3 44.2 66.4#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.857 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142990.D

Acq: 03 Jul 2025 11:25

Tgt Ion:165 Resp: 18916

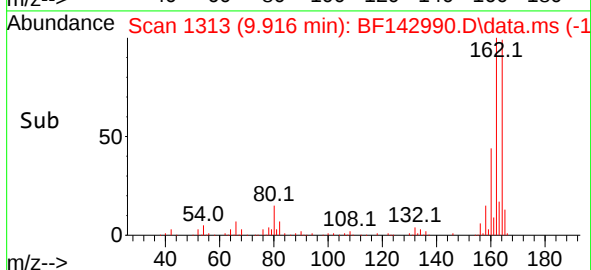
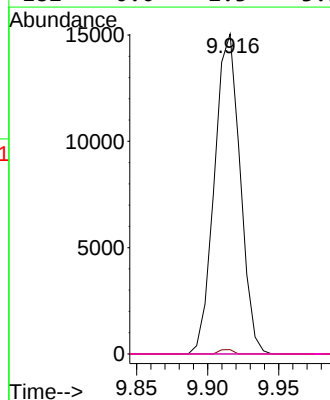
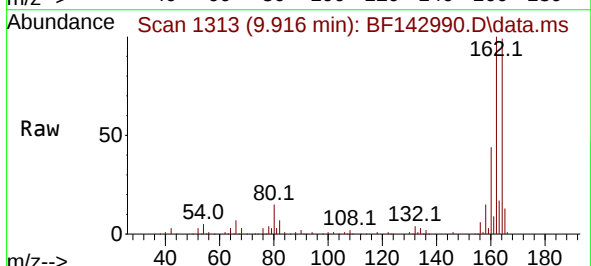
Ion Ratio Lower Upper

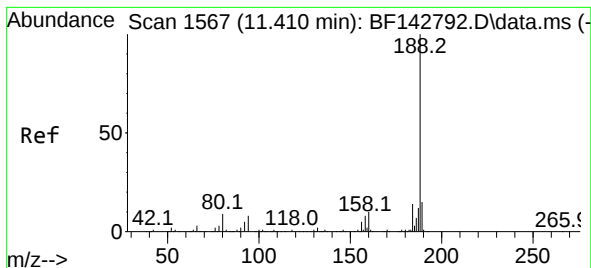
165 100

63 1.3 33.9 50.9#

89 0.0 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: BF142990.D

Acq: 03 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

PB168674BL

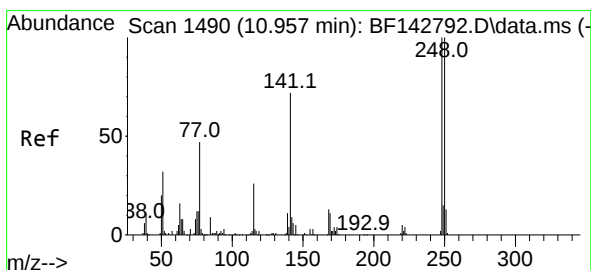
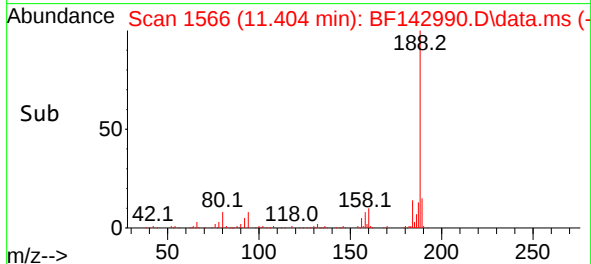
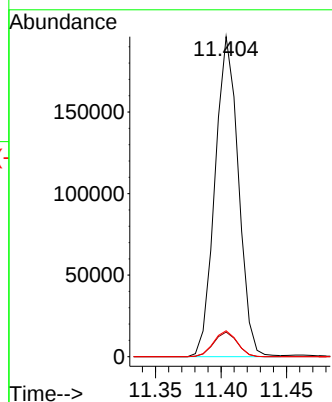
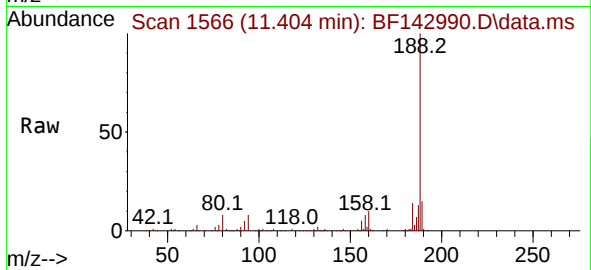
Tgt Ion:188 Resp: 243571

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.275 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142990.D

Acq: 03 Jul 2025 11:25

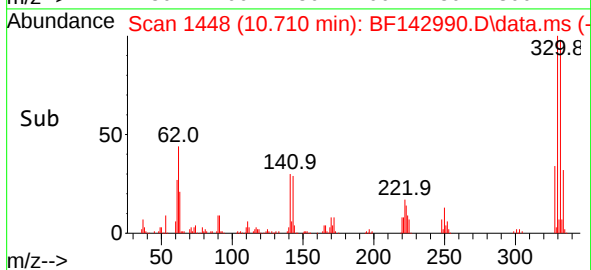
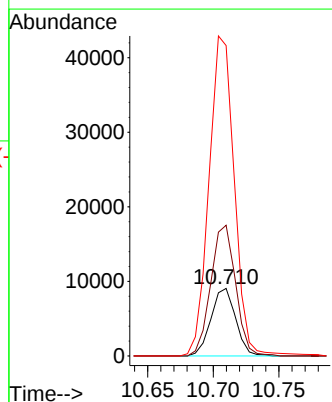
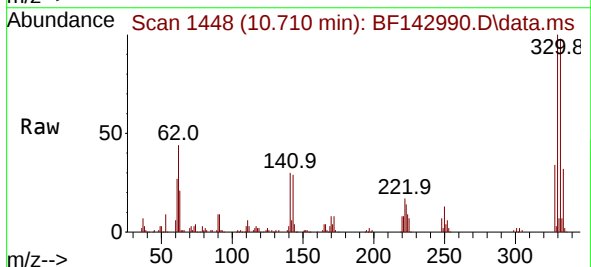
Tgt Ion:248 Resp: 11850

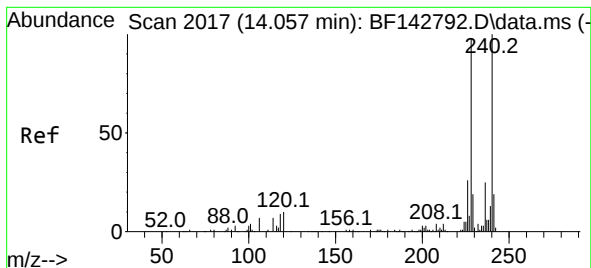
Ion Ratio Lower Upper

248 100

250 193.8 79.8 119.8#

141 459.9 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142990.D

Acq: 03 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

PB168674BL

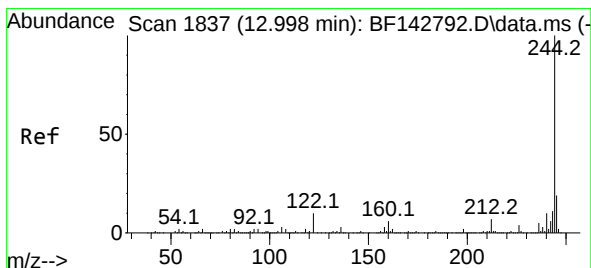
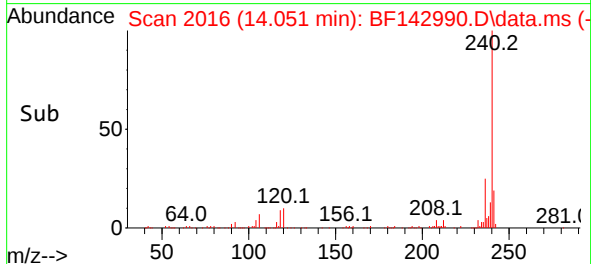
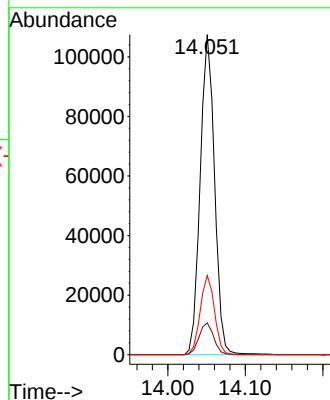
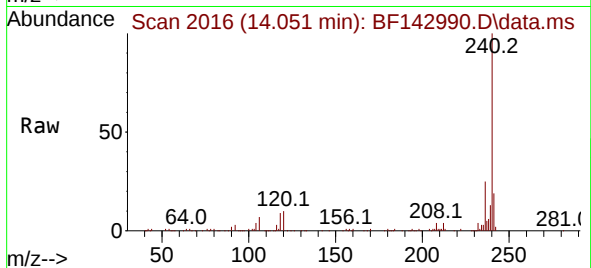
Tgt Ion:240 Resp: 138339

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.8 19.8 29.8



#79

Terphenyl-d14

Concen: 75.135 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142990.D

Acq: 03 Jul 2025 11:25

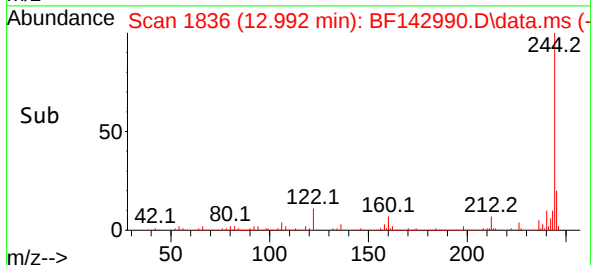
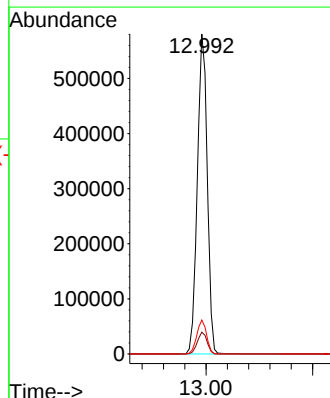
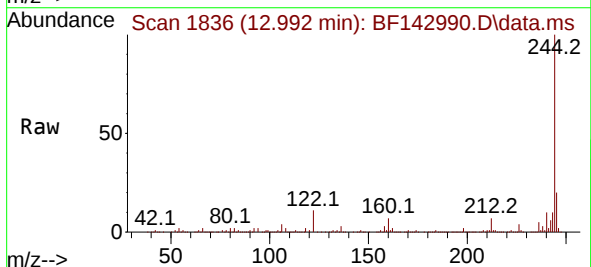
Tgt Ion:244 Resp: 752266

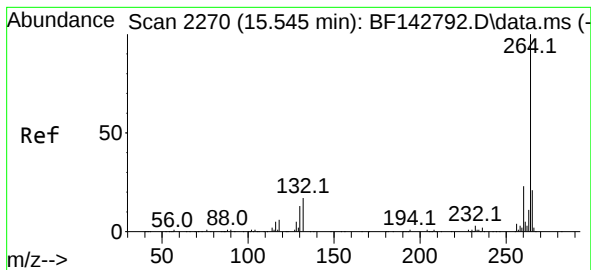
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.6 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142990.D

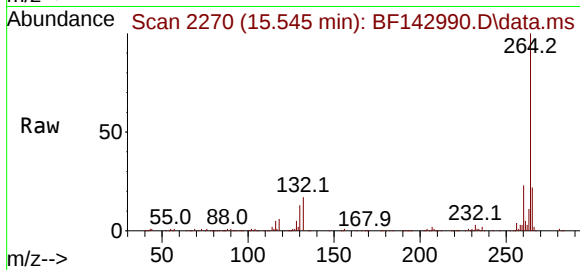
Acq: 03 Jul 2025 11:25

Instrument :

BNA_F

ClientSampleId :

PB168674BL



Tgt Ion:264 Resp: 149416

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 21.6 16.6 25.0

