

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142862.D
 Acq On : 26 Jun 2025 12:09
 Operator : RC/JU
 Sample : Q2403-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Concrete-062325

Quant Time: Jun 26 12:35:12 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)

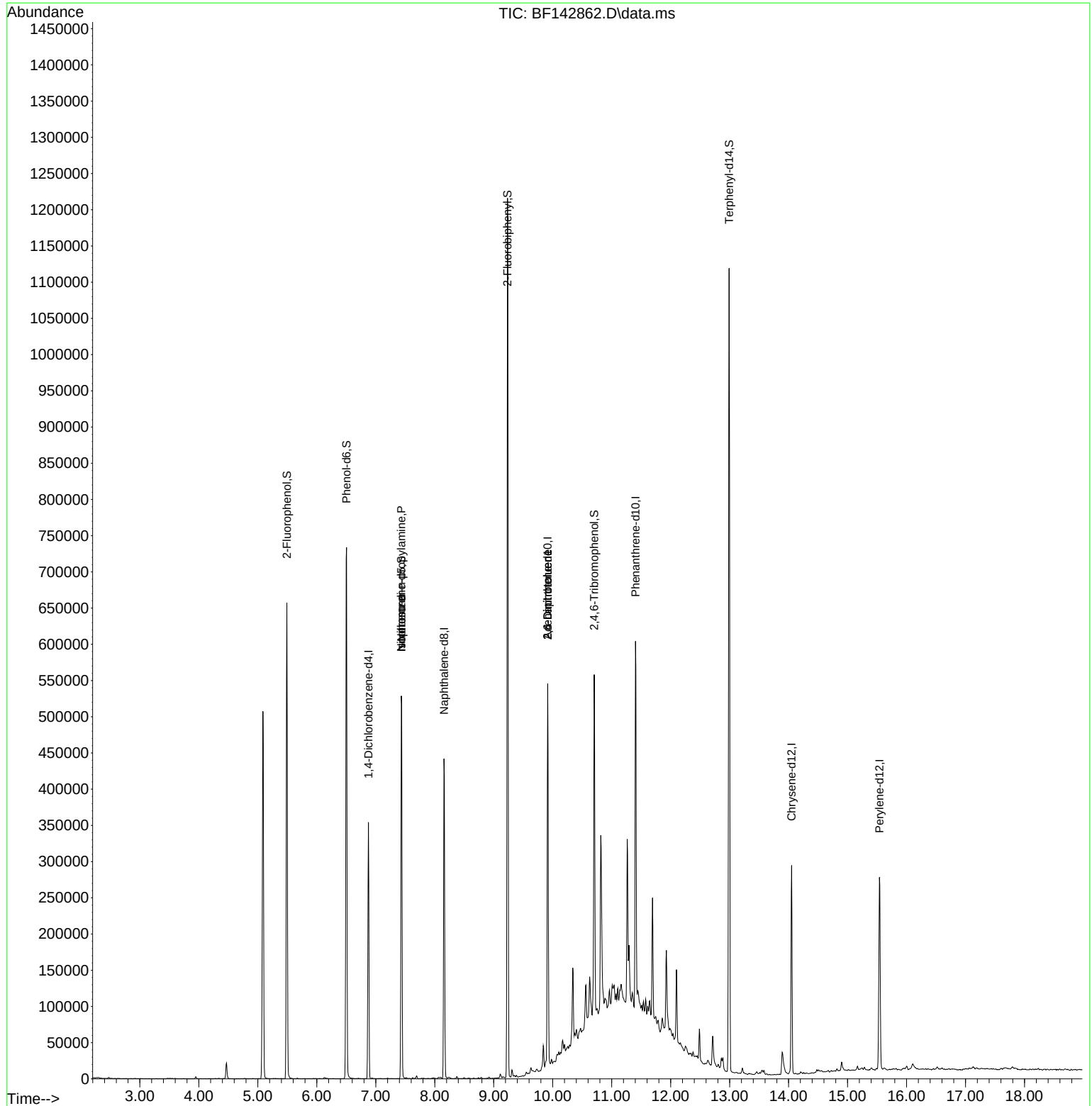
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	76700	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	287638	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	155453	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	262111	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140146	20.000	ng	0.00
86) Perylene-d12	15.539	264	161464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	247489	53.722	ng	0.00
7) Phenol-d6	6.504	99	341232	62.783	ng	0.00
23) Nitrobenzene-d5	7.434	82	228668	43.606	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	80671	50.428	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	539306	45.575	ng	-0.01
79) Terphenyl-d14	12.992	244	529636	52.217	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	30693	9.710	ng	# 76
25) Isophorone	7.434	82	228664	27.182	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20672	9.355	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	20672	7.043	ng	# 28

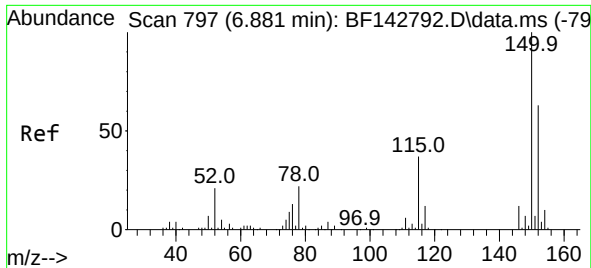
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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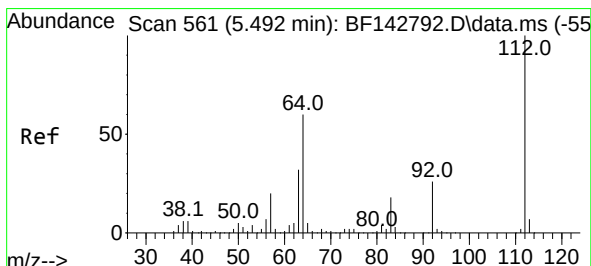
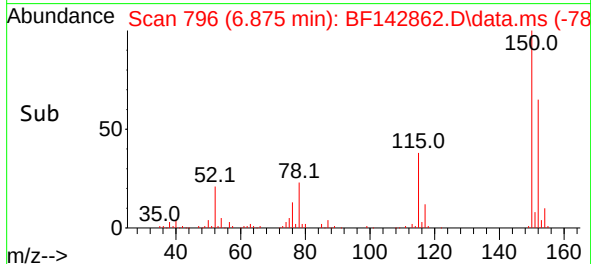
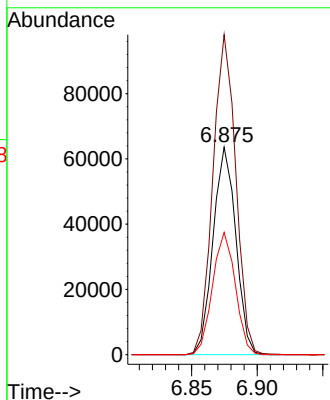
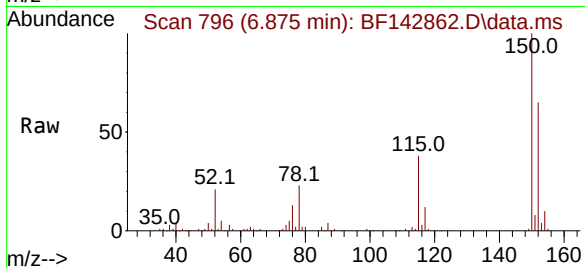




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142862.D
 Acq: 26 Jun 2025 12:09

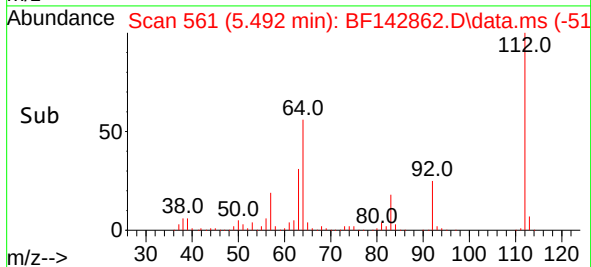
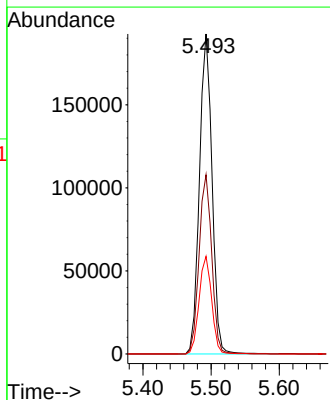
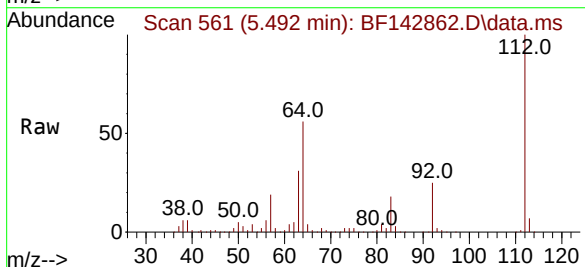
Instrument :
 BNA_F
 ClientSampleId :
 Concrete-062325

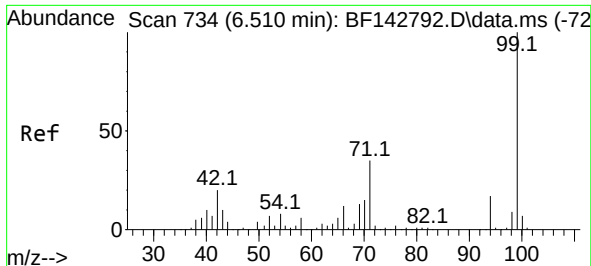
Tgt Ion:152 Resp: 76700
 Ion Ratio Lower Upper
 152 100
 150 154.2 127.2 190.8
 115 58.9 46.6 69.8



#5
 2-Fluorophenol
 Concen: 53.722 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF142862.D
 Acq: 26 Jun 2025 12:09

Tgt Ion:112 Resp: 247489
 Ion Ratio Lower Upper
 112 100
 64 56.0 48.2 72.2
 63 30.5 25.7 38.5

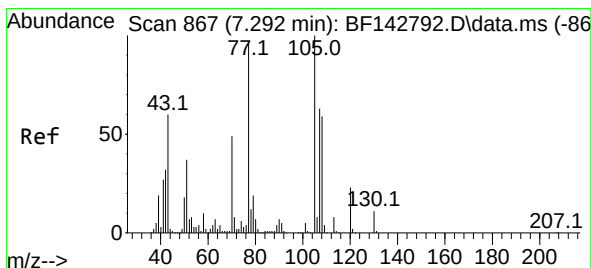
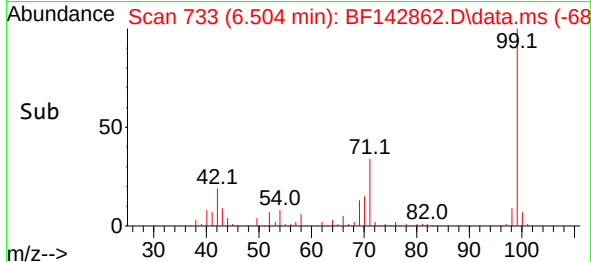
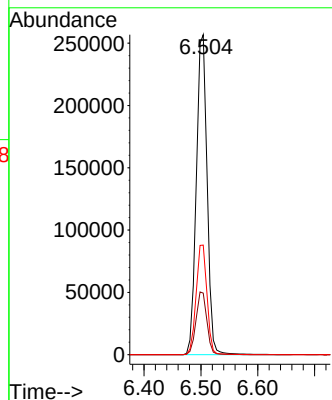
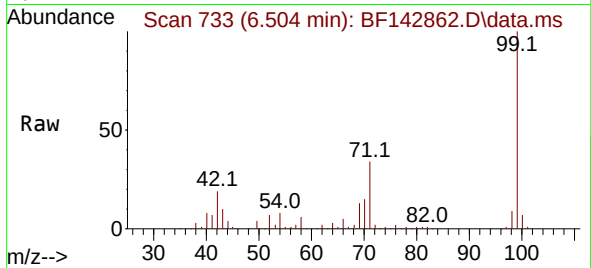




#7
Phenol-d6
Concen: 62.783 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

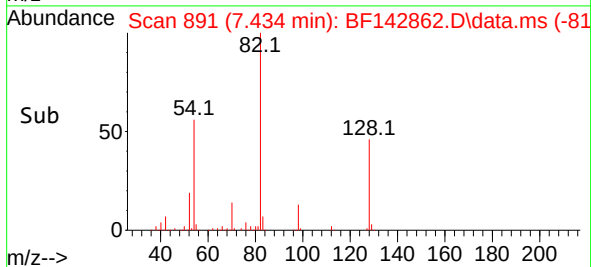
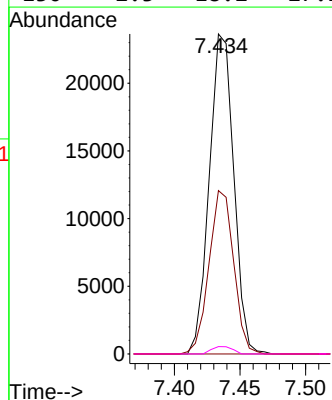
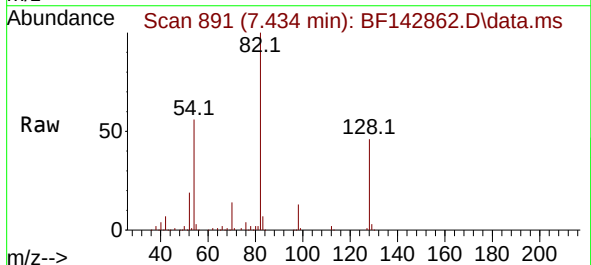
Instrument :
BNA_F
ClientSampleId :
Concrete-062325

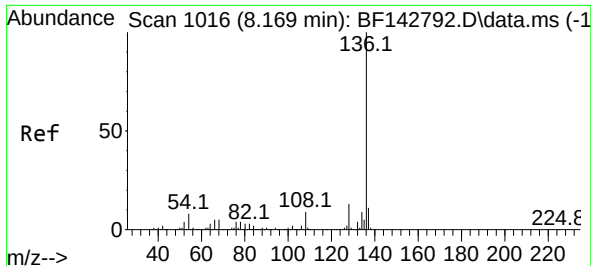
Tgt Ion: 99 Resp: 341232
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.710 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

Tgt Ion: 70 Resp: 30693
Ion Ratio Lower Upper
70 100
42 51.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



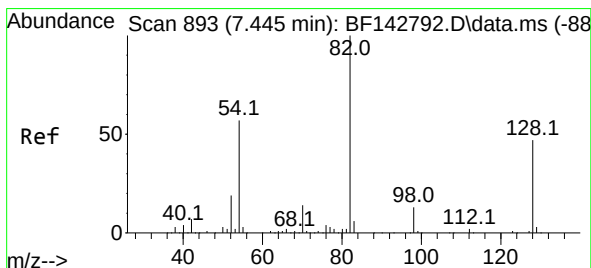
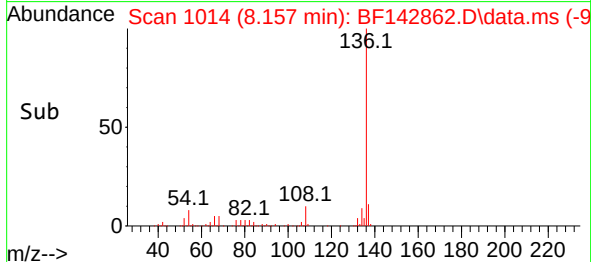
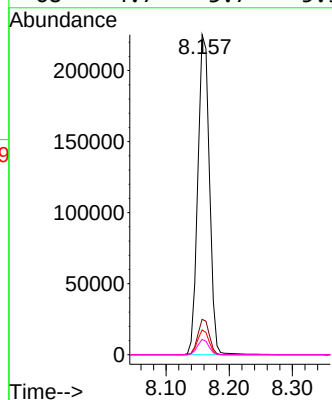
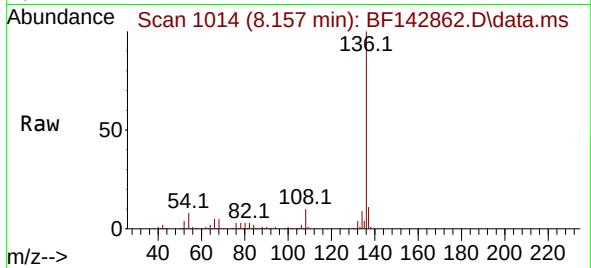


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

Instrument :
BNA_F
ClientSampleId :
Concrete-062325

Tgt Ion:136 Resp: 287638

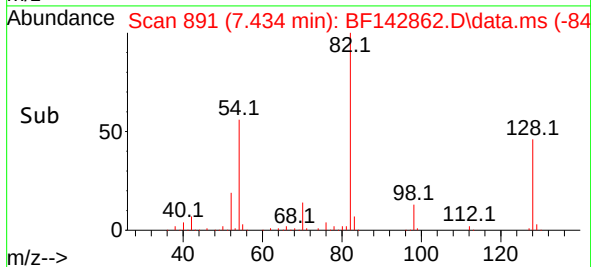
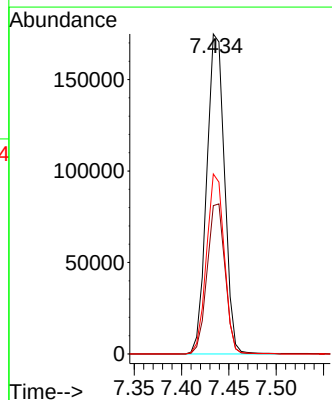
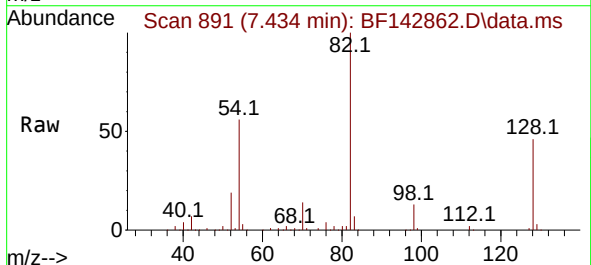
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.7	6.3	9.5
68	4.7	3.7	5.5

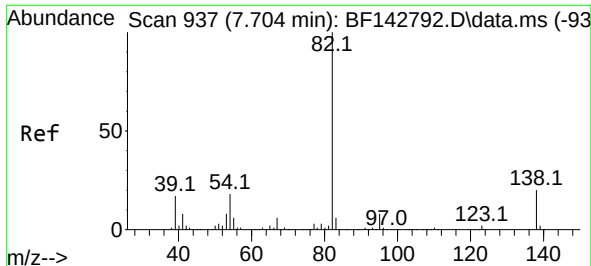


#23
Nitrobenzene-d5
Concen: 43.606 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

Tgt Ion: 82 Resp: 228668

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	56.2	45.7	68.5

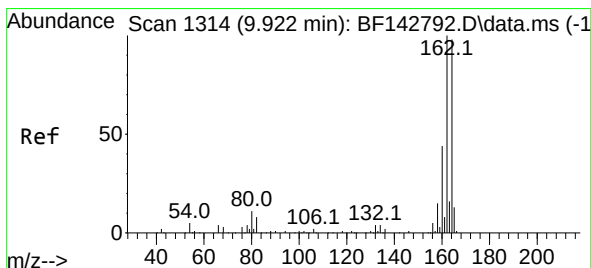
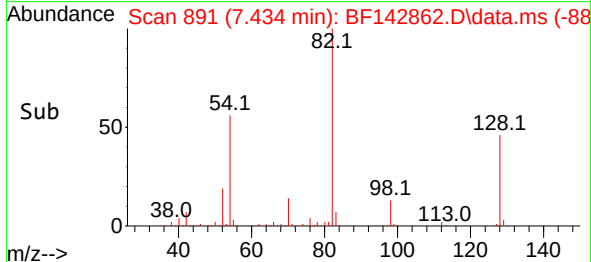
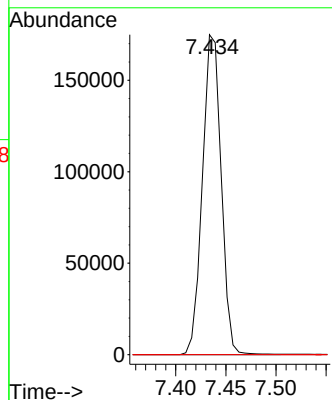
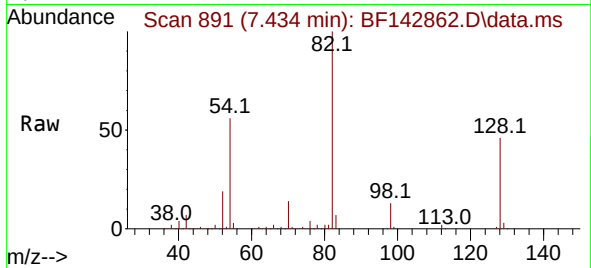




#25
Isophorone
Concen: 27.182 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

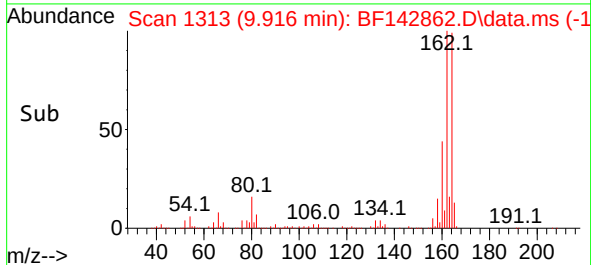
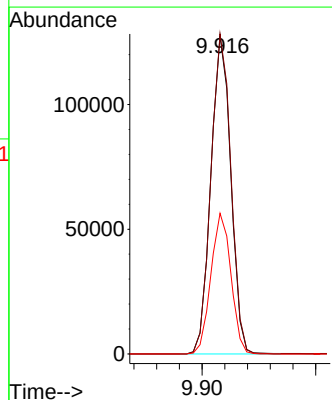
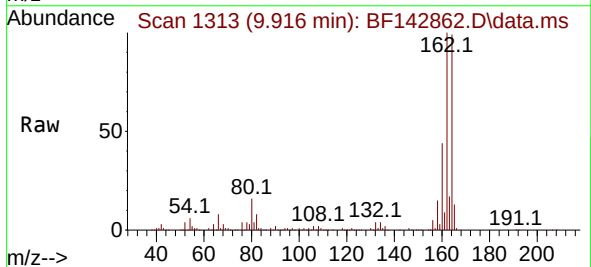
Instrument :
BNA_F
ClientSampleId :
Concrete-062325

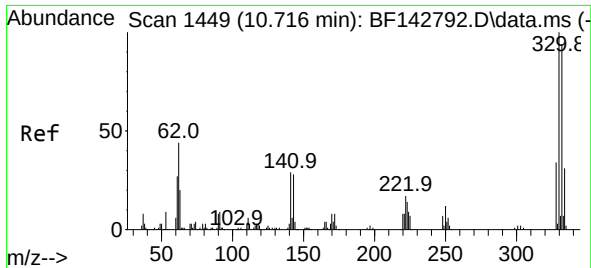
Tgt Ion: 82 Resp: 228664
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142862.D
Acq: 26 Jun 2025 12:09

Tgt Ion:164 Resp: 155453
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.2 36.0 54.0

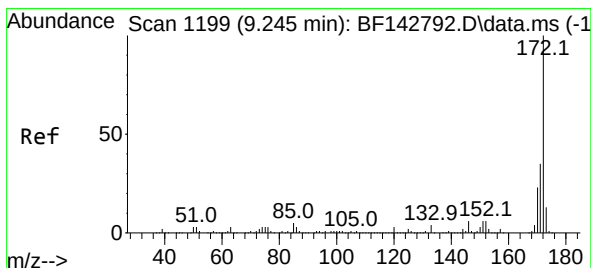
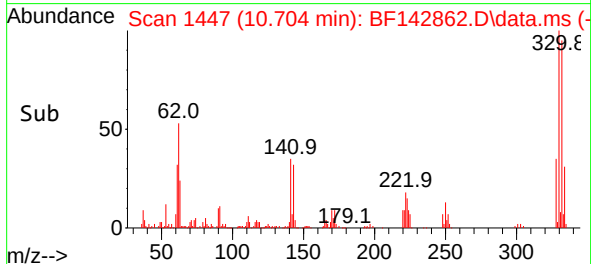
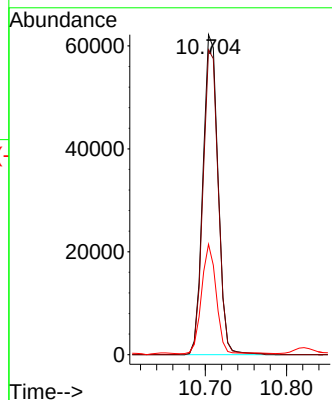
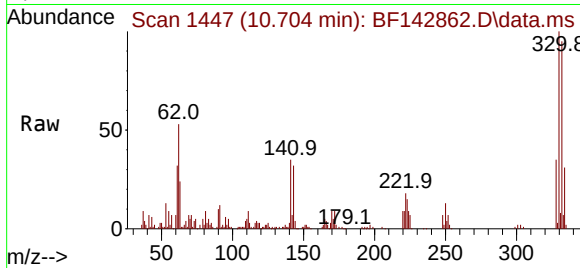




#42
 2,4,6-Tribromophenol
 Concen: 50.428 ng
 RT: 10.704 min Scan# 1449
 Delta R.T. -0.012 min
 Lab File: BF142862.D
 Acq: 26 Jun 2025 12:09

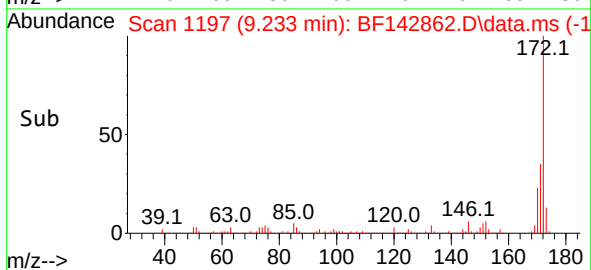
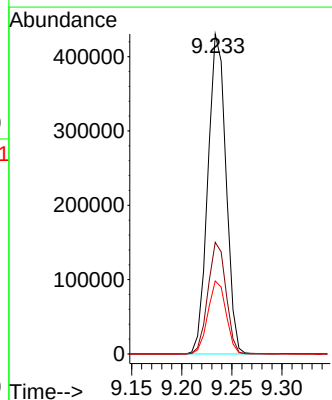
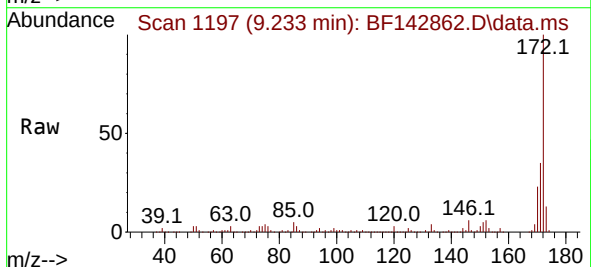
Instrument :
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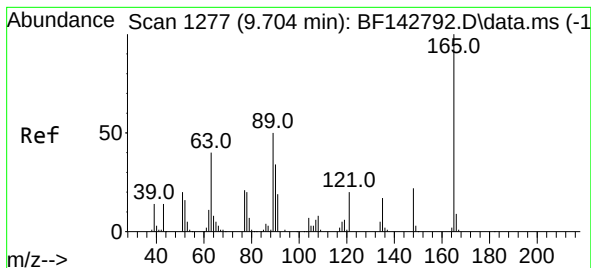
Tgt Ion: 330 Resp: 80671
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.0 112.6
 141 32.9 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 45.575 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF142862.D
 Acq: 26 Jun 2025 12:09

Tgt Ion: 172 Resp: 539306
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.4
 170 22.8 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.355 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF142862.D

Acq: 26 Jun 2025 12:09

Instrument :

BNA_F

ClientSampleId :

Concrete-062325

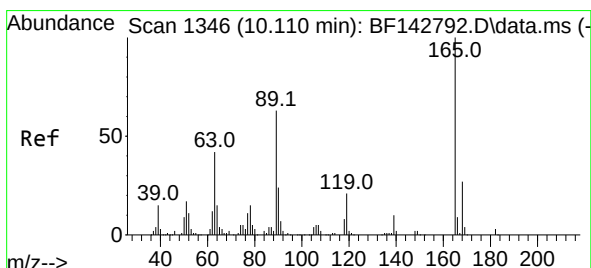
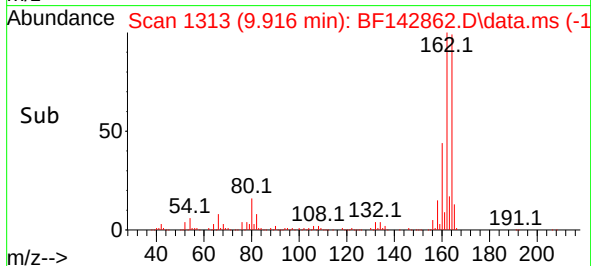
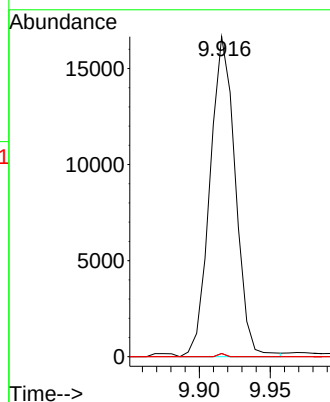
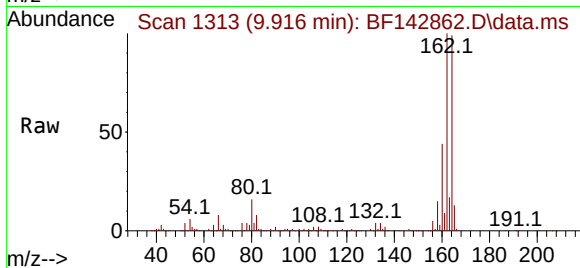
Tgt Ion:165 Resp: 20672

Ion Ratio Lower Upper

165 100

63 1.0 44.2 66.4#

89 1.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 7.043 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF142862.D

Acq: 26 Jun 2025 12:09

Tgt Ion:165 Resp: 20672

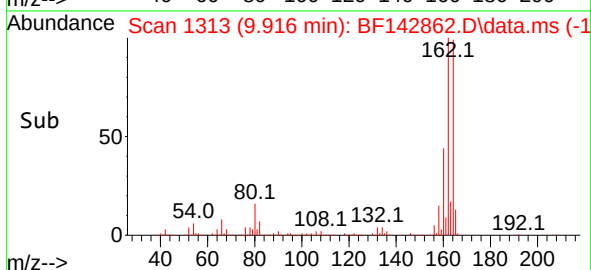
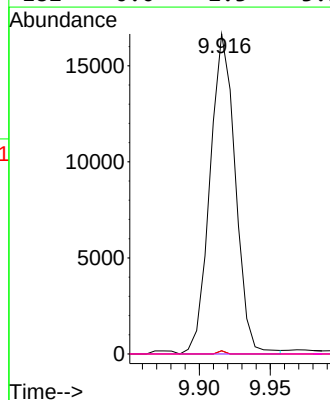
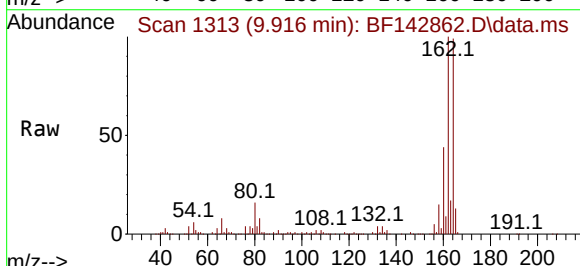
Ion Ratio Lower Upper

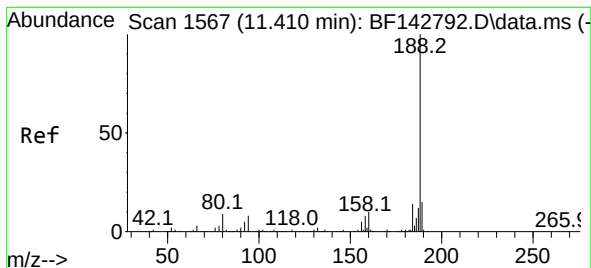
165 100

63 1.0 33.9 50.9#

89 1.0 50.6 75.8#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142862.D

Acq: 26 Jun 2025 12:09

Instrument :

BNA_F

ClientSampleId :

Concrete-062325

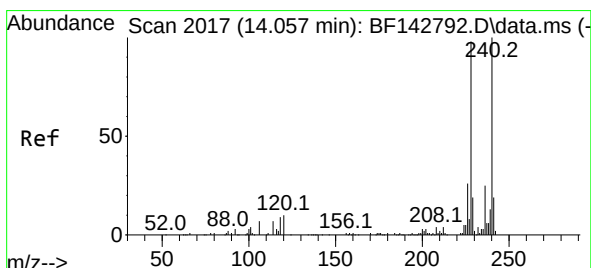
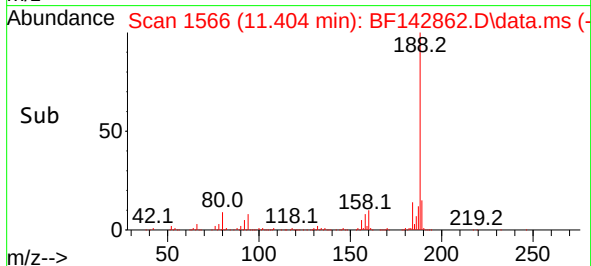
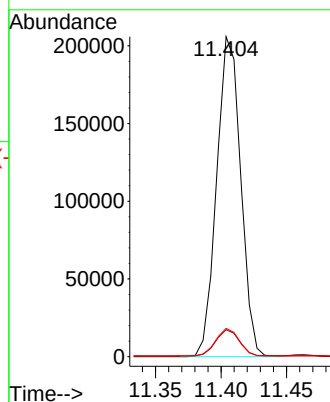
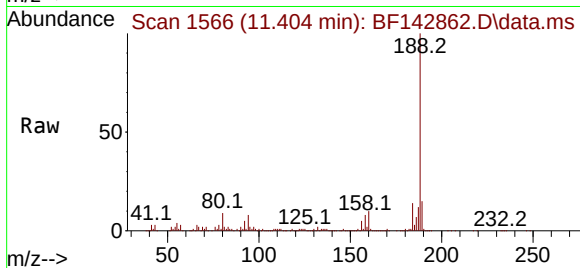
Tgt Ion:188 Resp: 262111

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 8.8 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142862.D

Acq: 26 Jun 2025 12:09

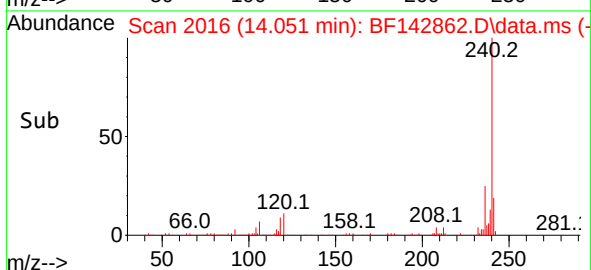
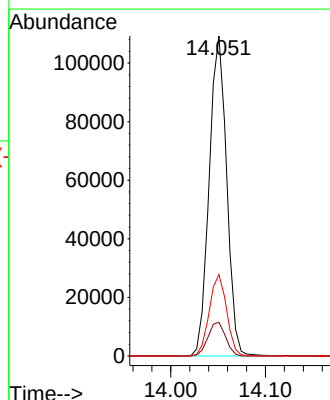
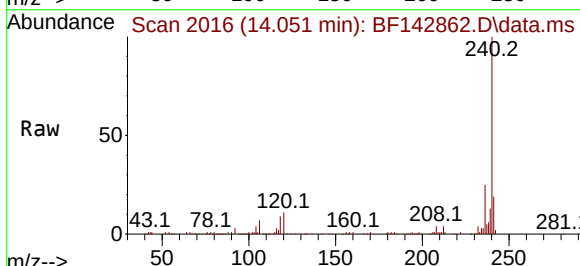
Tgt Ion:240 Resp: 140146

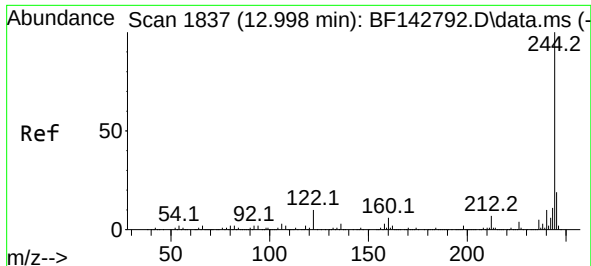
Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.5 19.8 29.8

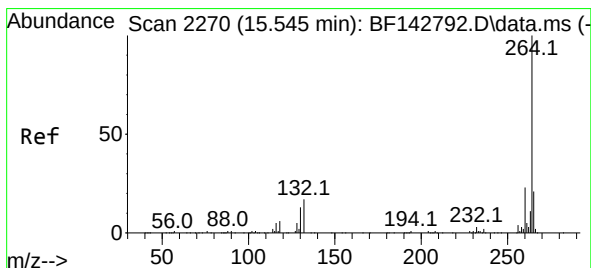
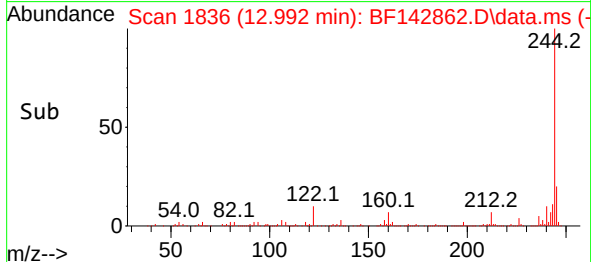
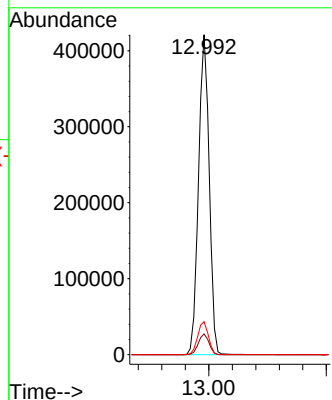
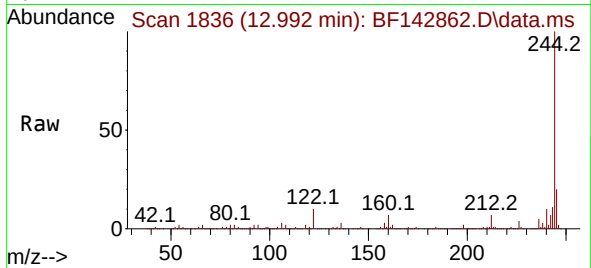




#79
 Terphenyl-d14
 Concen: 52.217 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142862.D
 Acq: 26 Jun 2025 12:09

Instrument :
 BNA_F
 ClientSampleId :
 Concrete-062325

Tgt Ion:244 Resp: 529636
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.3 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: BF142862.D
 Acq: 26 Jun 2025 12:09

Tgt Ion:264 Resp: 161464
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.3 16.6 25.0

