

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142819.D
 Acq On : 24 Jun 2025 14:57
 Operator : RC/JU
 Sample : Q2385-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A5311

Quant Time: Jun 24 15:23:49 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)

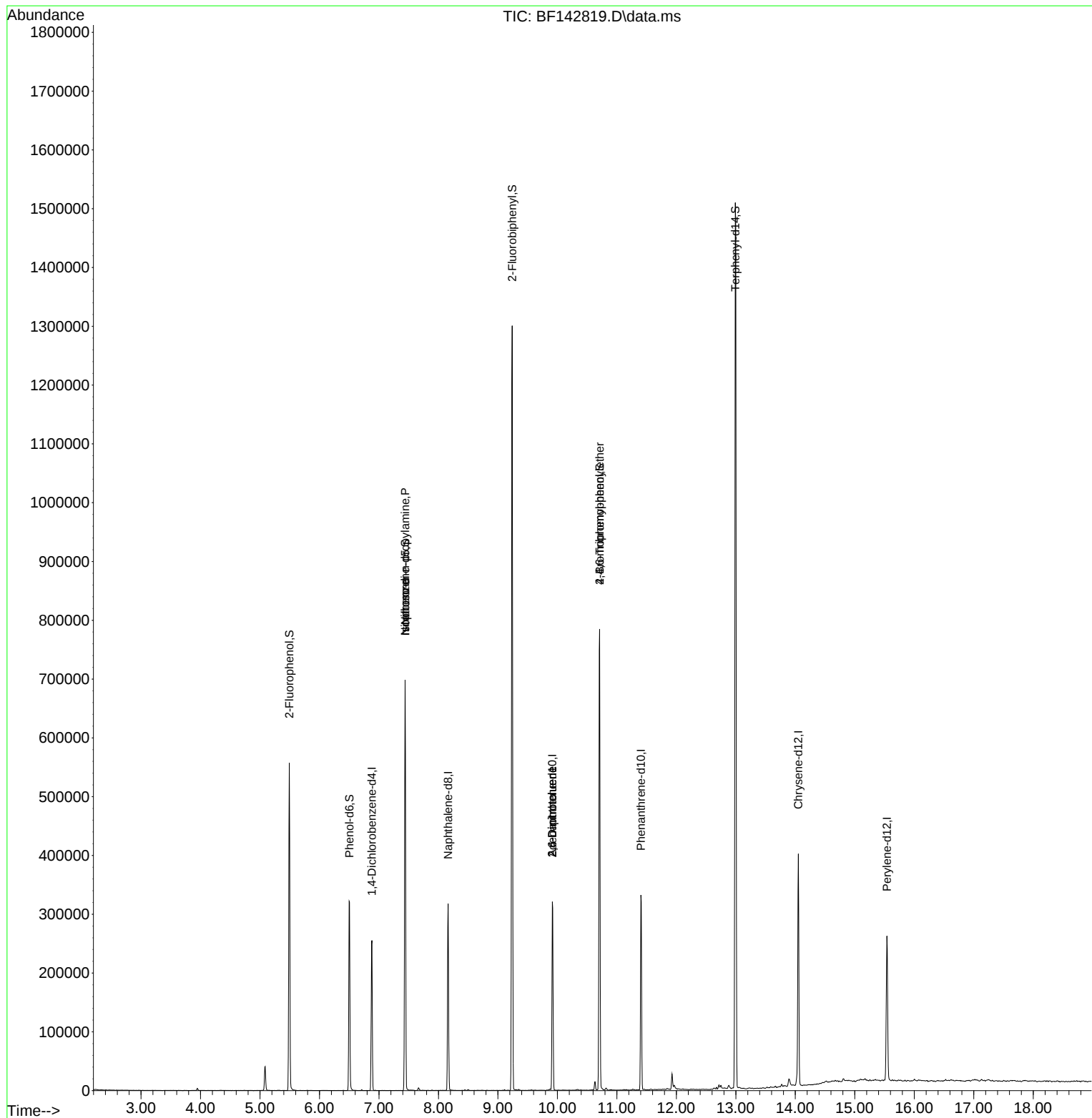
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	57652	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	201737	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	98227	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	177468	20.000	ng	0.00
76) Chrysene-d12	14.051	240	190575	20.000	ng	0.00
86) Perylene-d12	15.539	264	145831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	209418	60.478	ng	0.00
7) Phenol-d6	6.504	99	148846	36.434	ng	0.00
23) Nitrobenzene-d5	7.440	82	287638	78.207	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	137132	135.664	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	579829	77.545	ng	0.00
79) Terphenyl-d14	12.992	244	766482	55.571	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	38512	16.208	ng	# 76
25) Isophorone	7.440	82	286124	48.496	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12930	9.260	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12930	6.971	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	8539	4.228	ng	# 1

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

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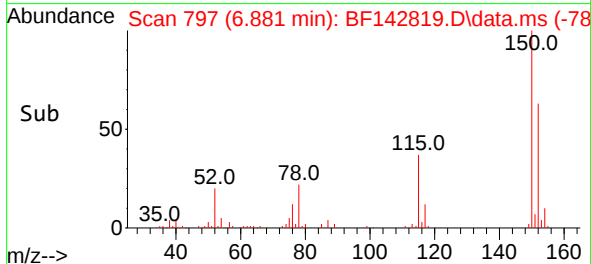
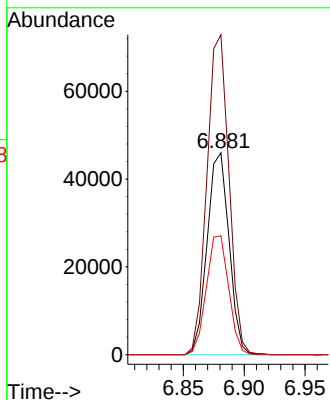
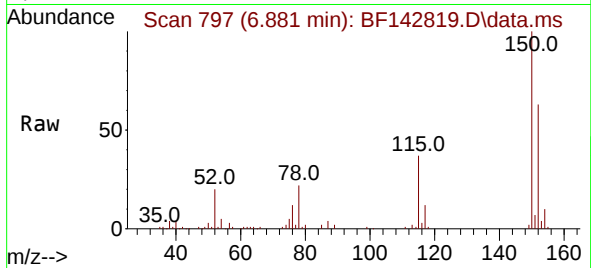




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142819.D
 Acq: 24 Jun 2025 14:57

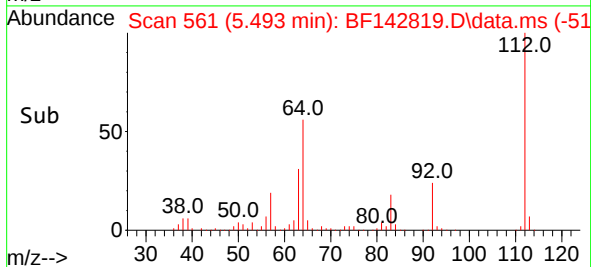
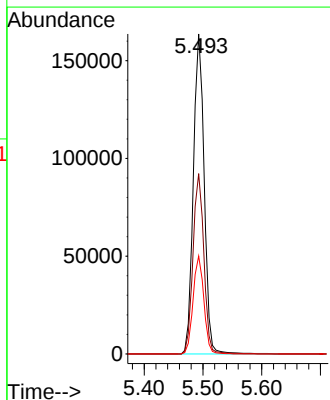
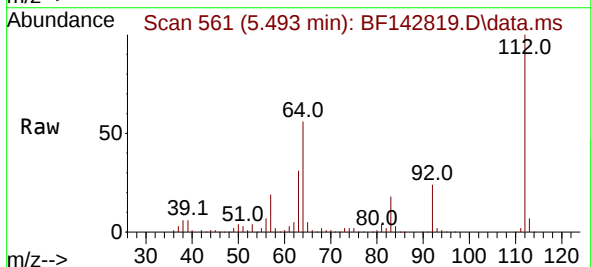
Instrument :
 BNA_F
 ClientSampleId :
 A5311

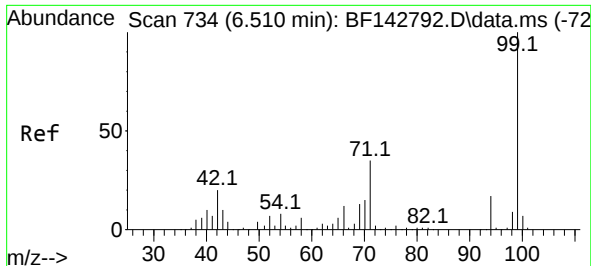
Tgt Ion:152 Resp: 57652
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.2 190.8
 115 58.9 46.6 69.8



#5
 2-Fluorophenol
 Concen: 60.478 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142819.D
 Acq: 24 Jun 2025 14:57

Tgt Ion:112 Resp: 209418
 Ion Ratio Lower Upper
 112 100
 64 56.3 48.2 72.2
 63 30.6 25.7 38.5

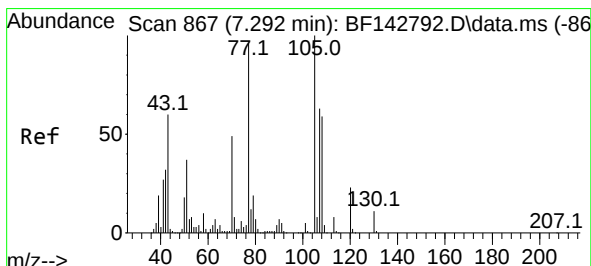
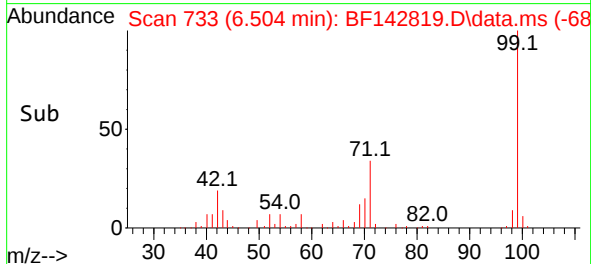
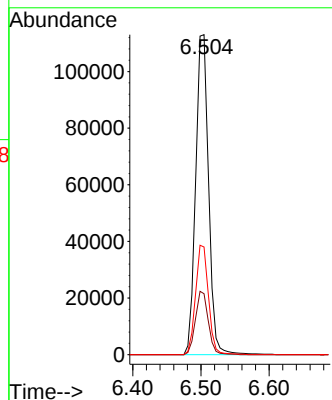
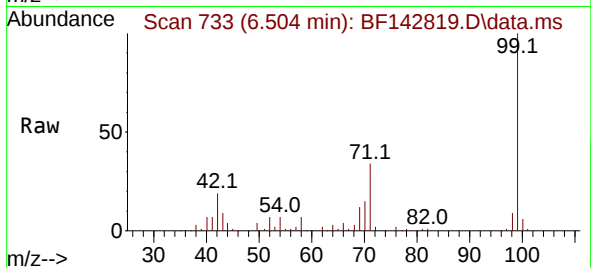




#7
Phenol-d6
Concen: 36.434 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

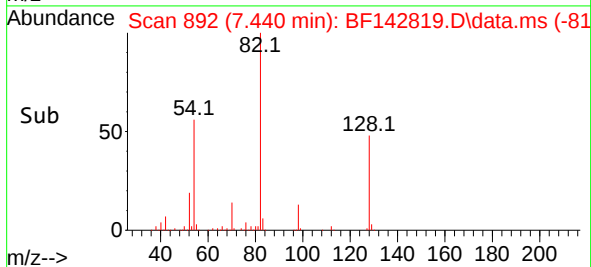
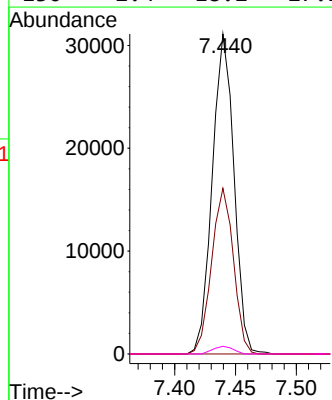
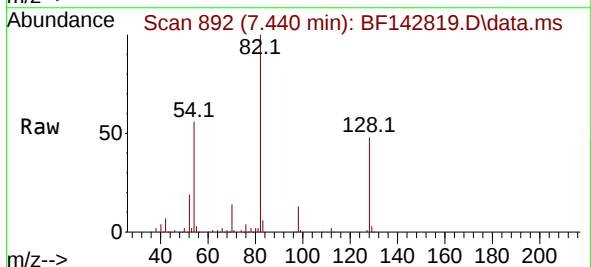
Instrument :
BNA_F
ClientSampleId :
A5311

Tgt Ion: 99 Resp: 148846
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 33.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.208 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

Tgt Ion: 70 Resp: 38512
Ion Ratio Lower Upper
70 100
42 51.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



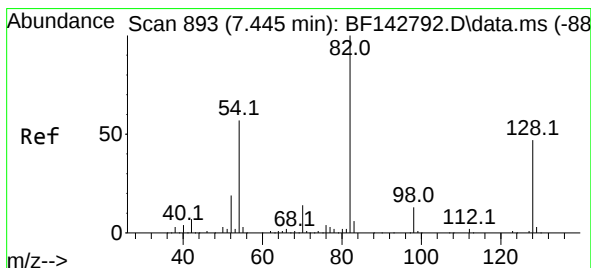
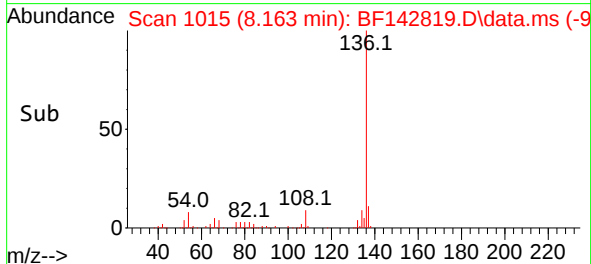
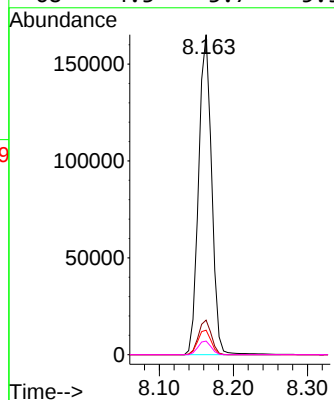
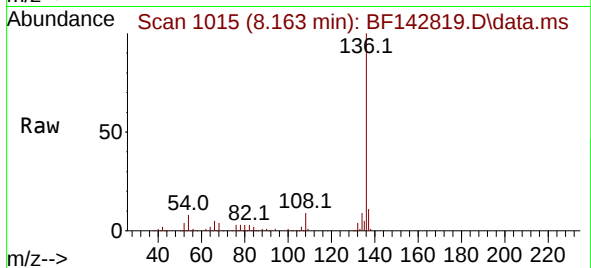


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

Instrument :
BNA_F
ClientSampleId :
A5311

Tgt Ion:136 Resp: 201737

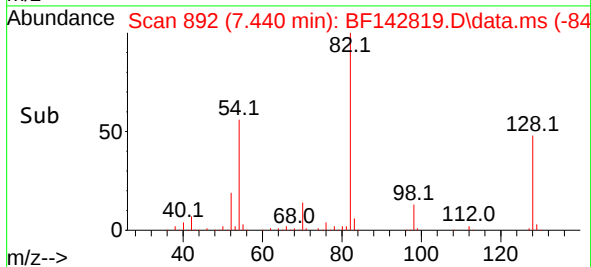
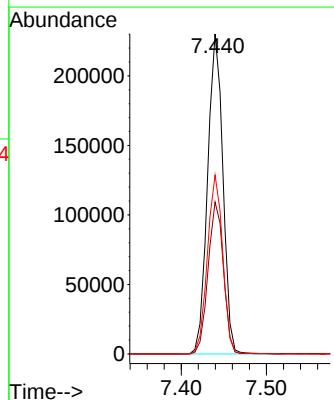
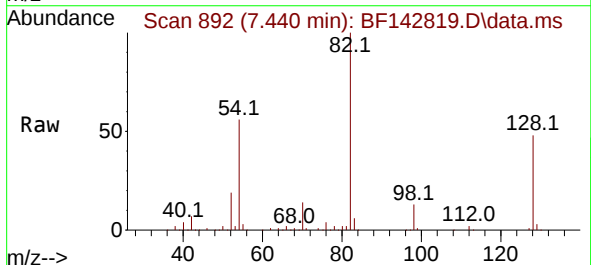
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.7	6.3	9.5
68	4.3	3.7	5.5



#23
Nitrobenzene-d5
Concen: 78.207 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

Tgt Ion: 82 Resp: 287638

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	55.9	45.7	68.5

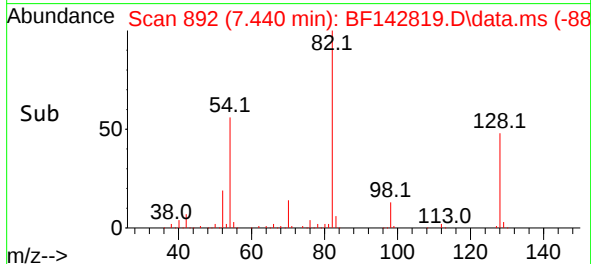
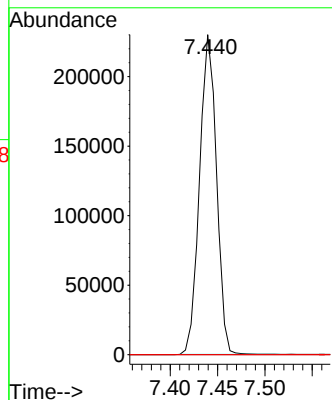
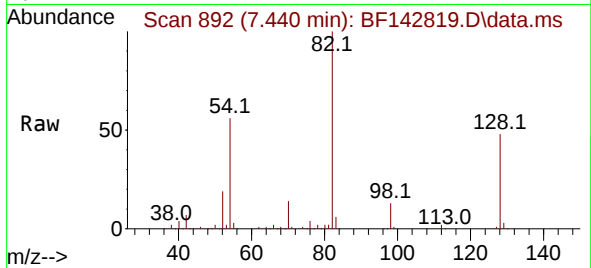




#25
Isophorone
Concen: 48.496 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

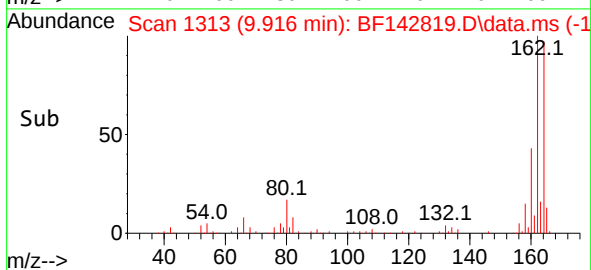
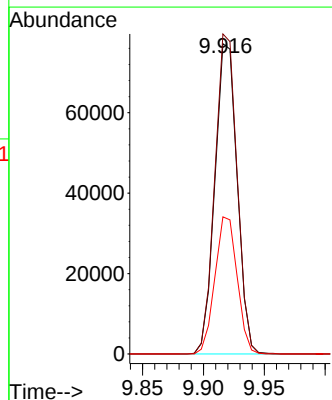
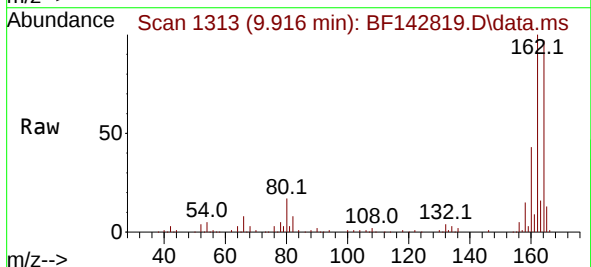
Instrument :
BNA_F
ClientSampleId :
A5311

Tgt Ion: 82 Resp: 286124
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: BF142819.D
Acq: 24 Jun 2025 14:57

Tgt Ion:164 Resp: 98227
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.8
160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 135.664 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142819.D

Acq: 24 Jun 2025 14:57

Instrument :

BNA_F

ClientSampleId :

A5311

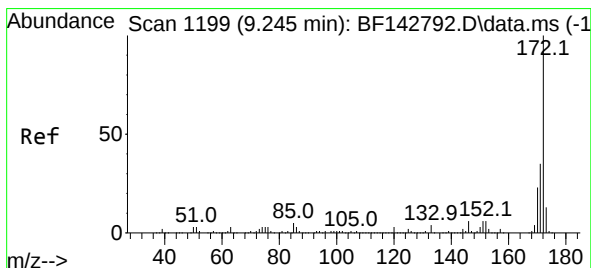
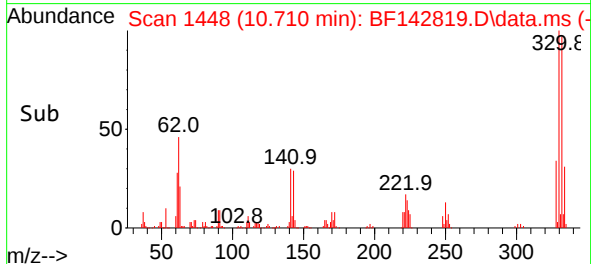
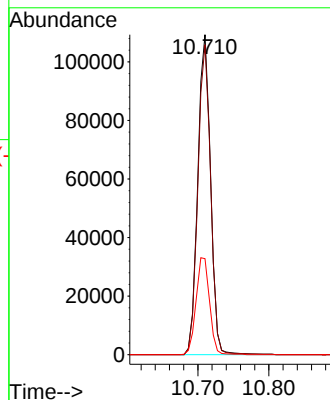
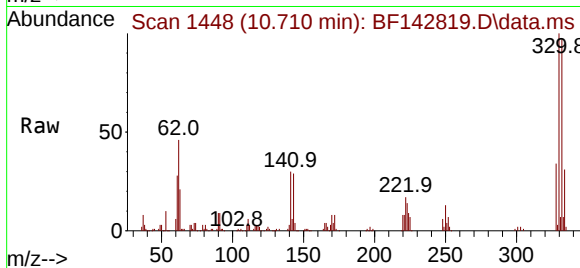
Tgt Ion:330 Resp: 137132

Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 77.545 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.005 min

Lab File: BF142819.D

Acq: 24 Jun 2025 14:57

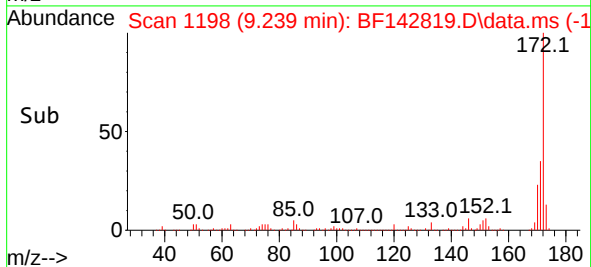
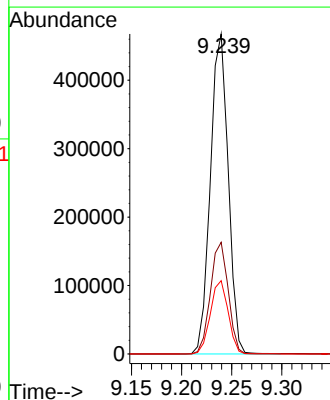
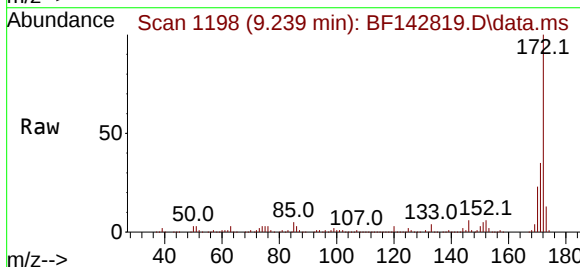
Tgt Ion:172 Resp: 579829

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.9 18.5 27.7

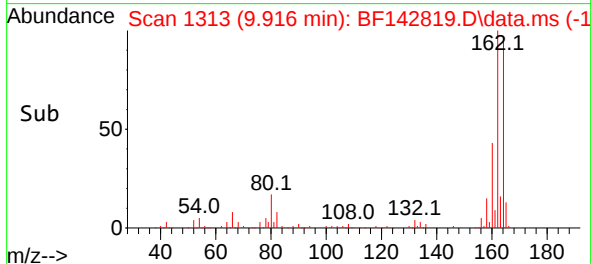
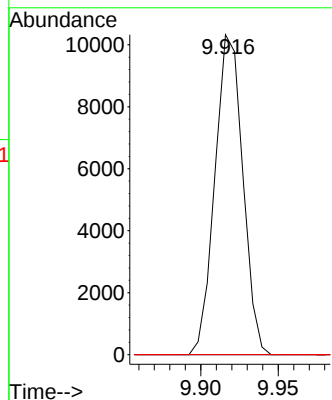
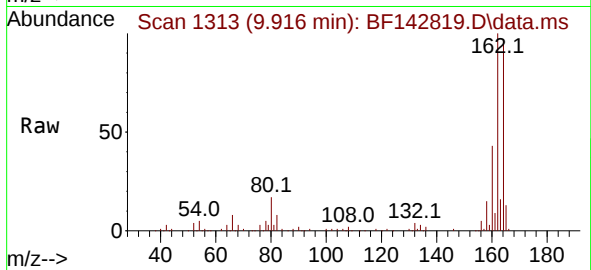




#51
2,6-Dinitrotoluene
Concen: 9.260 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

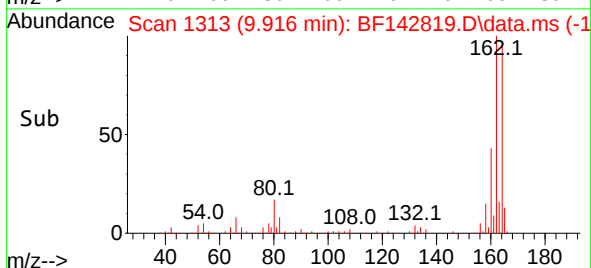
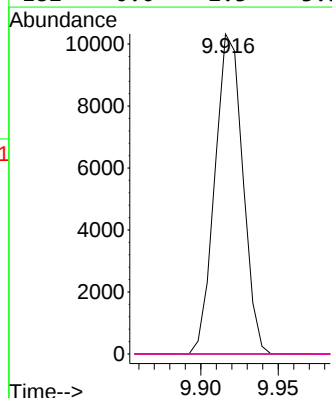
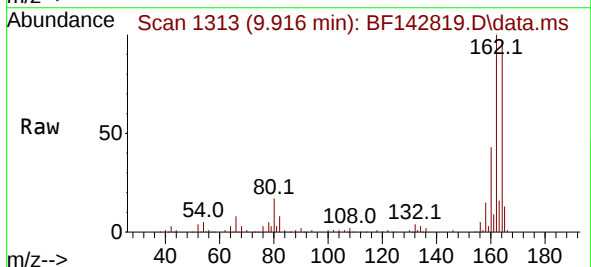
Instrument :
BNA_F
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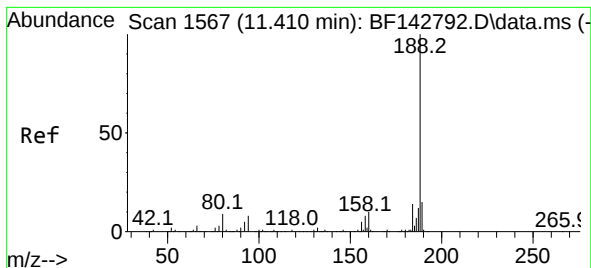
Tgt Ion:165 Resp: 12930
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.971 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142819.D
Acq: 24 Jun 2025 14:57

Tgt Ion:165 Resp: 12930
Ion Ratio Lower Upper
165 100
63 0.0 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: BF142819.D

Acq: 24 Jun 2025 14:57

Instrument :

BNA_F

ClientSampleId :

A5311

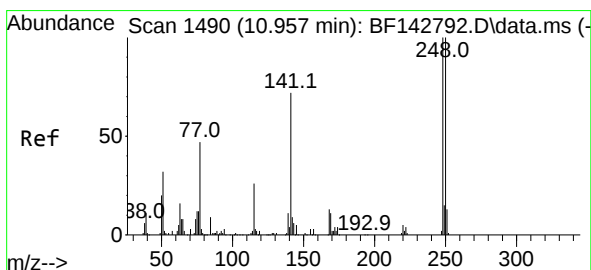
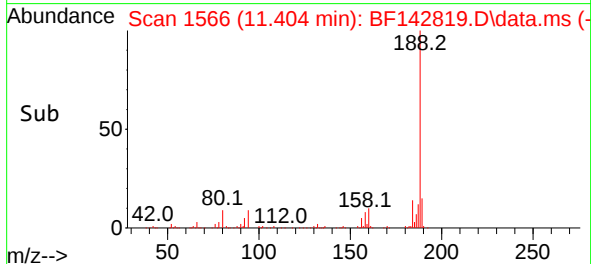
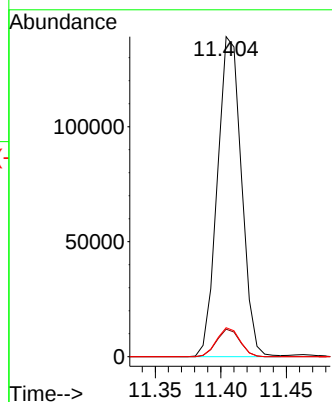
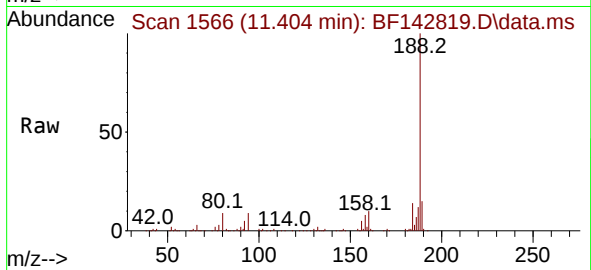
Tgt Ion:188 Resp: 177468

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.228 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142819.D

Acq: 24 Jun 2025 14:57

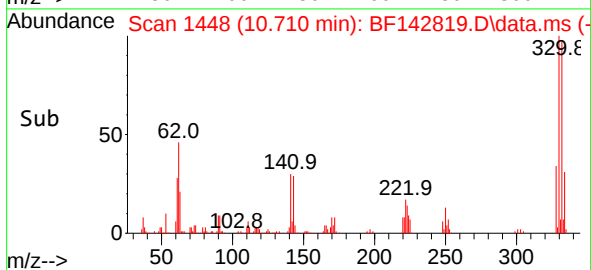
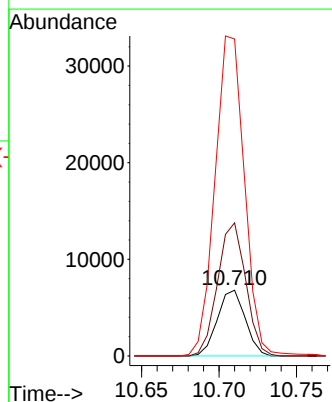
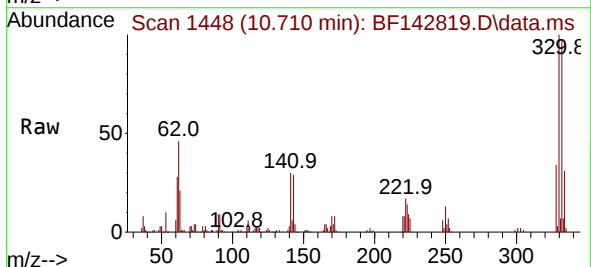
Tgt Ion:248 Resp: 8539

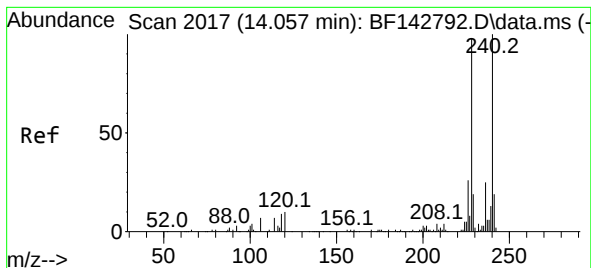
Ion Ratio Lower Upper

248 100

250 202.1 79.8 119.8#

141 481.4 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: BF142819.D

Acq: 24 Jun 2025 14:57

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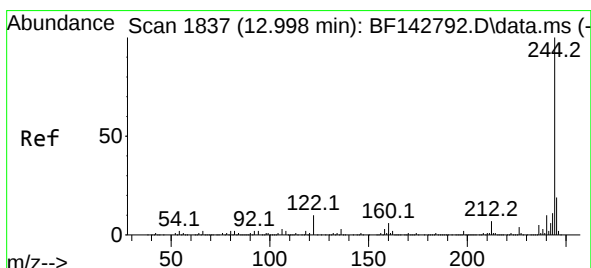
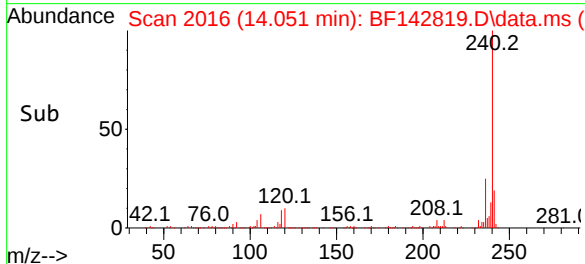
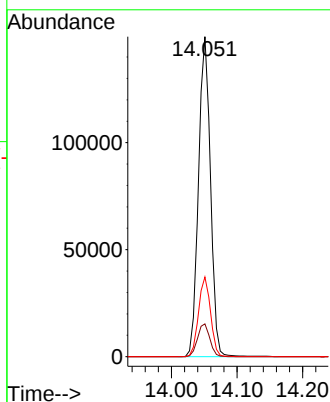
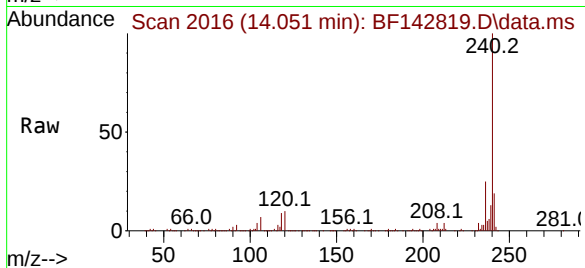
Tgt Ion:240 Resp: 190575

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 55.571 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142819.D

Acq: 24 Jun 2025 14:57

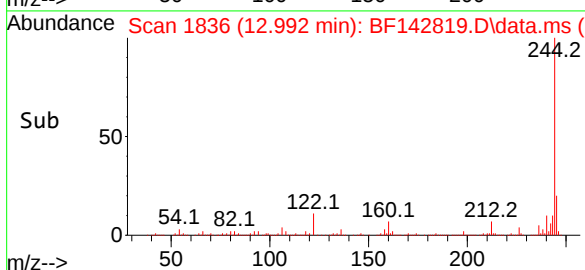
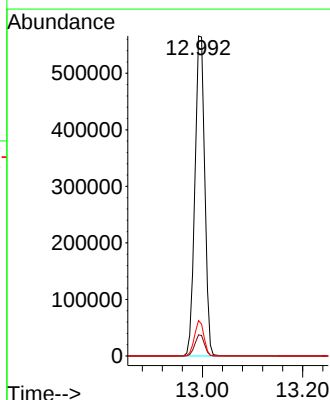
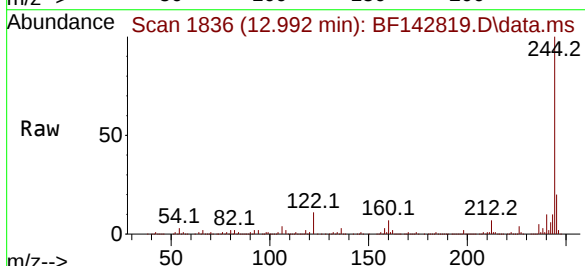
Tgt Ion:244 Resp: 766482

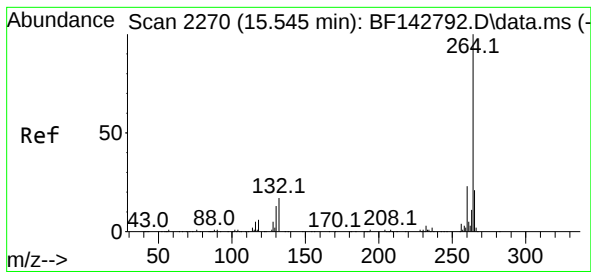
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.0 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: BF142819.D
Acq: 24 Jun 2025 14:57

Instrument :
BNA_F
ClientSampleId :
A5311

Tgt Ion:264 Resp: 145831
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.1 16.6 25.0

