

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142891.D
 Acq On : 27 Jun 2025 14:17
 Operator : RC/JU
 Sample : Q2413-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-74

Quant Time: Jun 27 14:42:16 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)

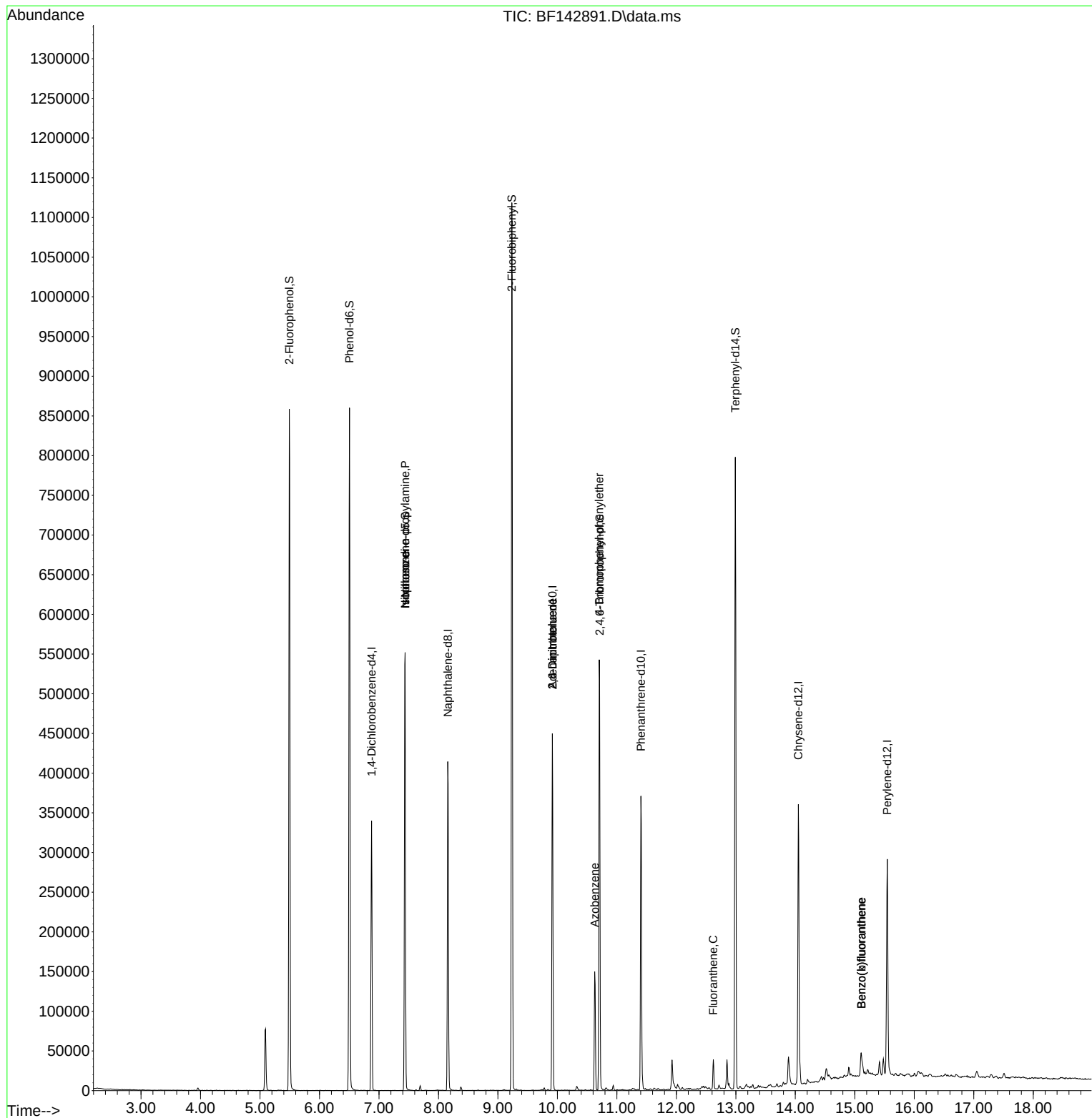
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73989	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	272969	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	135853	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197144	20.000	ng	0.00
76) Chrysene-d12	14.051	240	161564	20.000	ng	0.00
86) Perylene-d12	15.545	264	156020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	331962	74.699	ng	0.00
7) Phenol-d6	6.504	99	389682	74.324	ng	0.00
23) Nitrobenzene-d5	7.440	82	242594	48.747	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93619	66.965	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	498274	48.182	ng	-0.01
79) Terphenyl-d14	12.992	244	379744	32.476	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	32191	10.557	ng	# 74
25) Isophorone	7.440	82	242615	30.391	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	16851	8.726	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	16851	6.569	ng	# 26
63) Azobenzene	10.628	77	36286	4.709	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6227	2.775	ng	# 1
75) Fluoranthene	12.622	202	21526	2.124	ng	99
88) Benzo(b)fluoranthene	15.110	252	25876	2.866	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	25876	3.064	ng	# 95

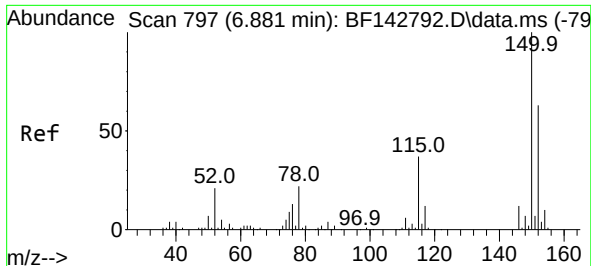
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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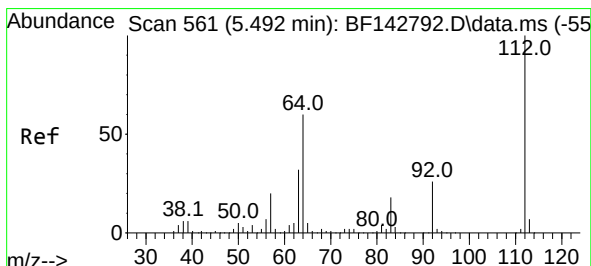
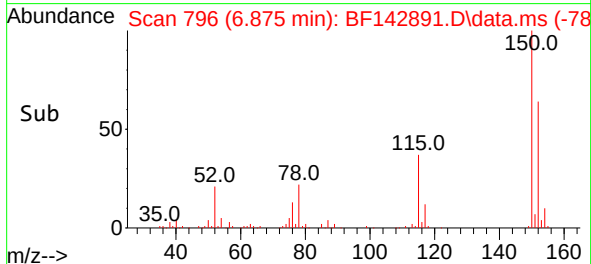
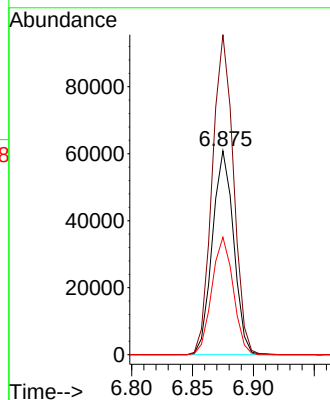
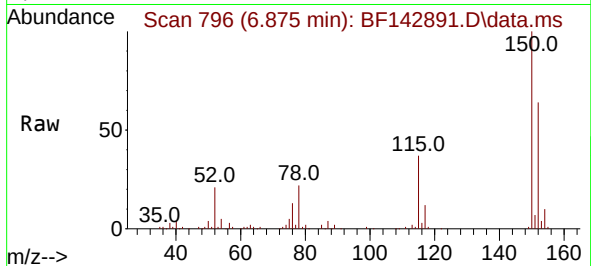




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142891.D
 Acq: 27 Jun 2025 14:17

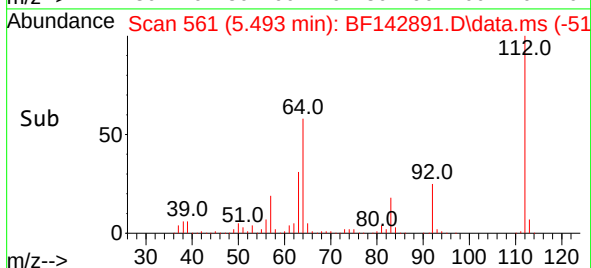
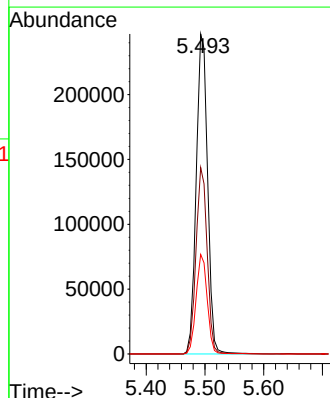
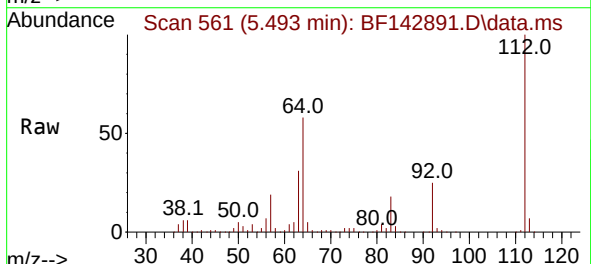
Instrument :
 BNA_F
 ClientSampleId :
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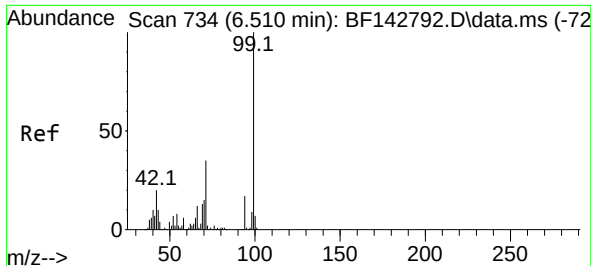
Tgt Ion:152 Resp: 73989
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.2 190.8
 115 57.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 74.699 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142891.D
 Acq: 27 Jun 2025 14:17

Tgt Ion:112 Resp: 331962
 Ion Ratio Lower Upper
 112 100
 64 58.3 48.2 72.2
 63 31.1 25.7 38.5





#7

Phenol-d6

Concen: 74.324 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-74

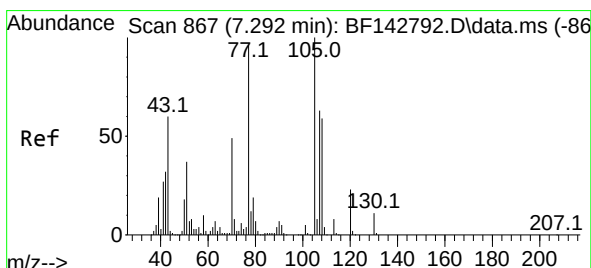
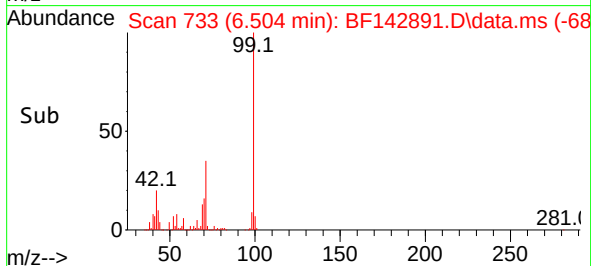
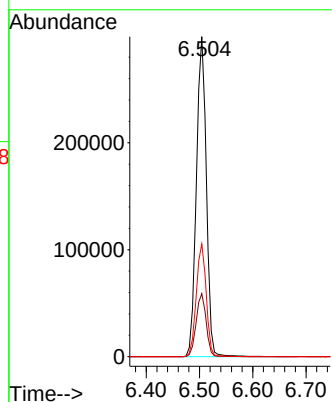
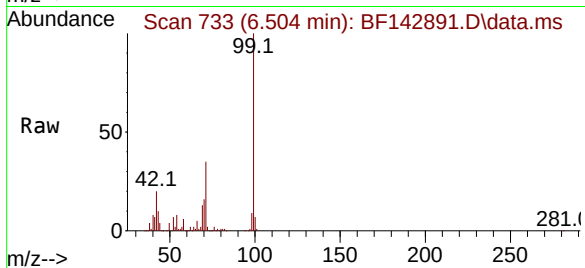
Tgt Ion: 99 Resp: 389682

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 35.3 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.557 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

Tgt Ion: 70 Resp: 32191

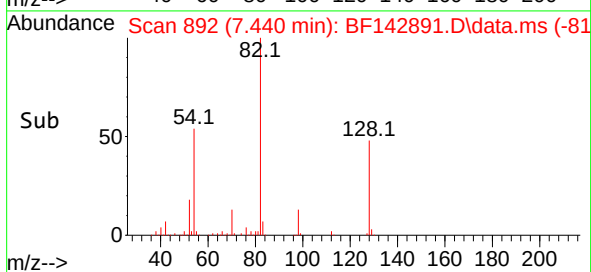
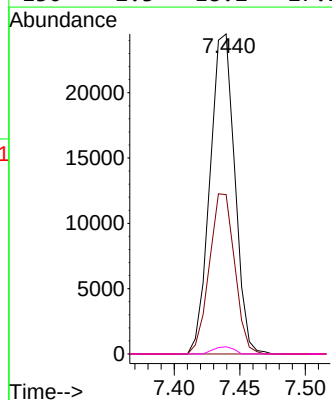
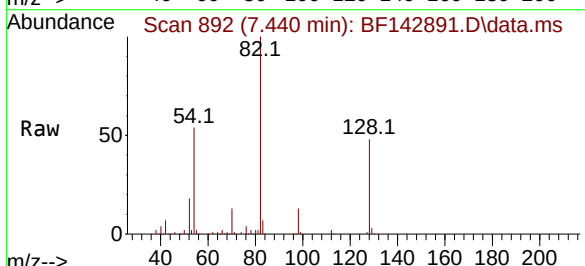
Ion Ratio Lower Upper

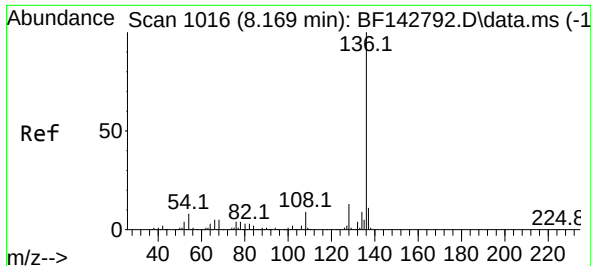
70 100

42 49.8 52.1 78.1#

101 0.0 8.2 12.2#

130 2.3 18.2 27.2#

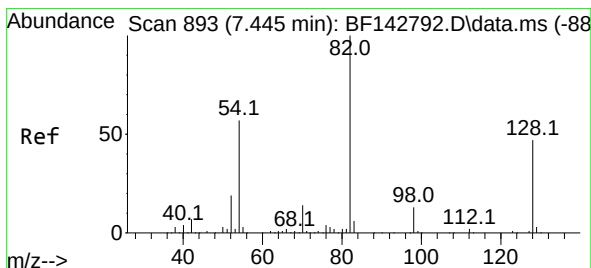
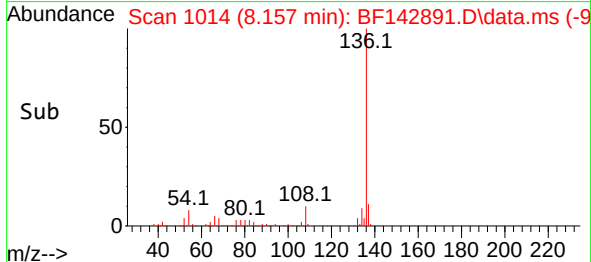
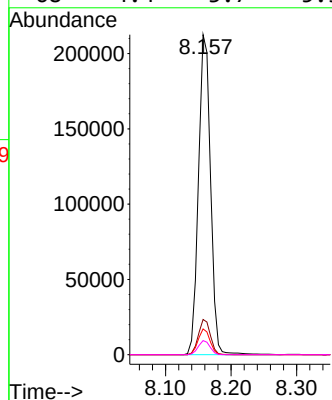
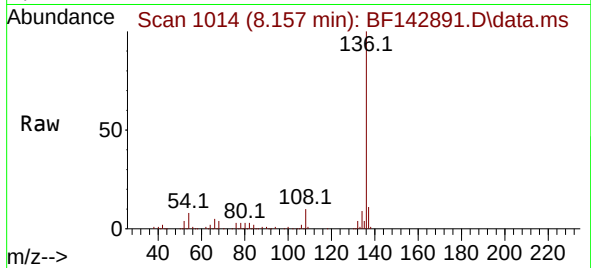




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

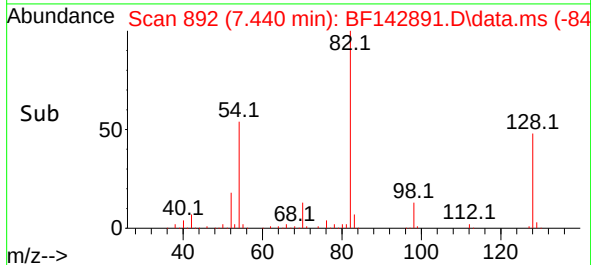
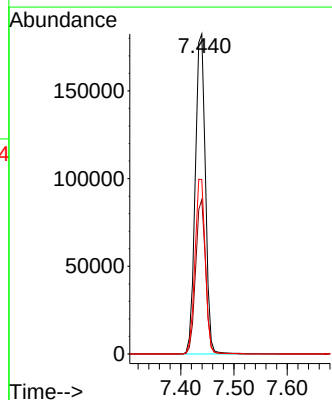
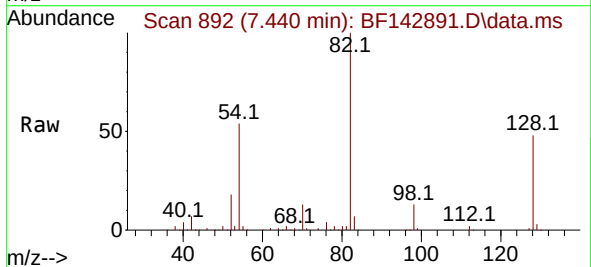
Instrument :
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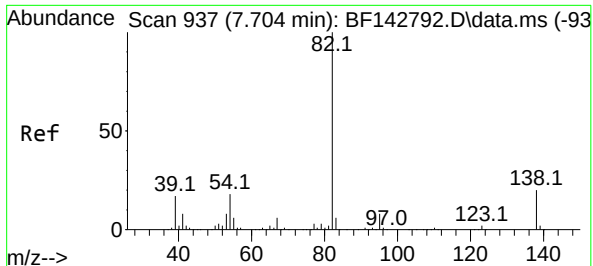
Tgt Ion:136 Resp: 272969
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.0 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 48.747 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion: 82 Resp: 242594
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 54.5 45.7 68.5

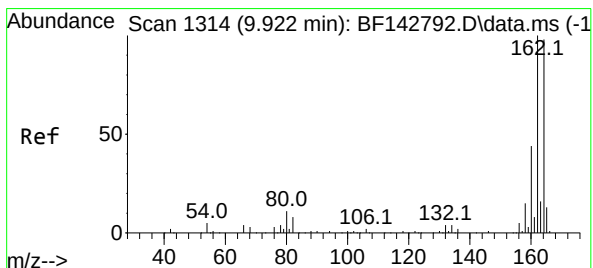
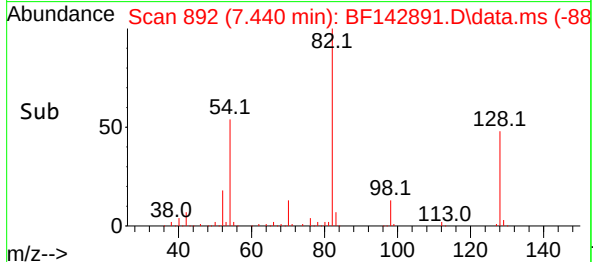
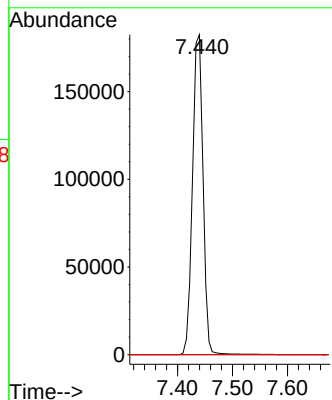
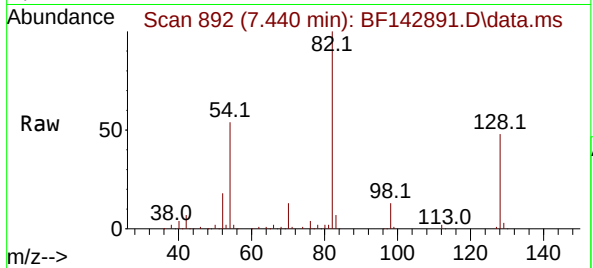




#25
Isophorone
Concen: 30.391 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

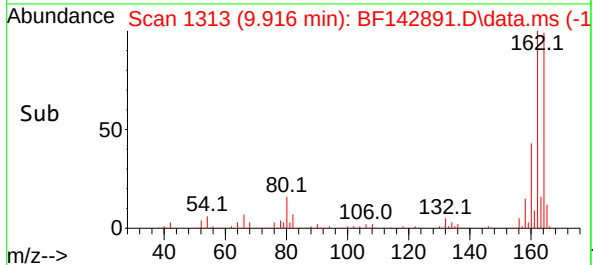
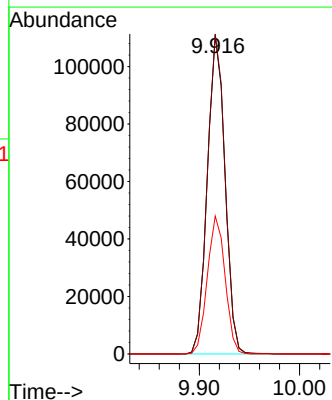
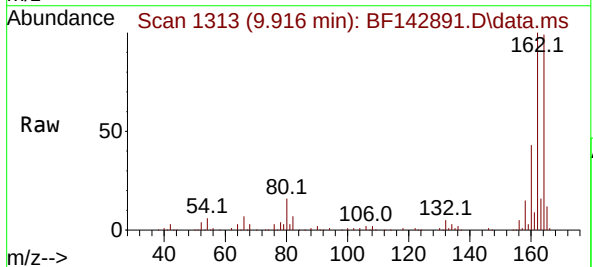
Instrument :
BNA_F
ClientSampleId :
TP-74

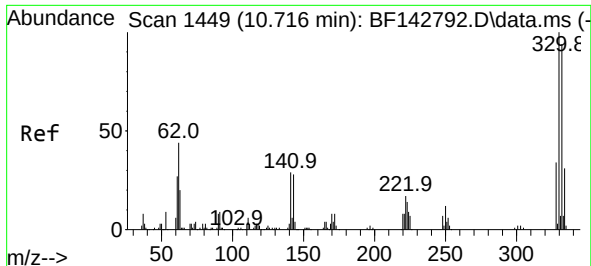
Tgt Ion: 82 Resp: 242615
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:164 Resp: 135853
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 43.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 66.965 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-74

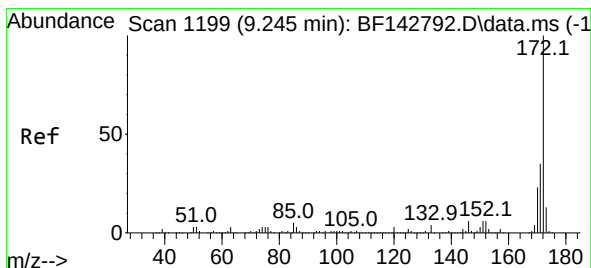
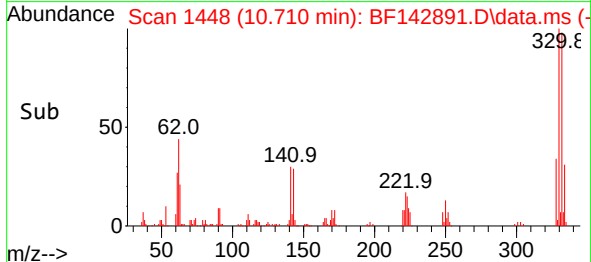
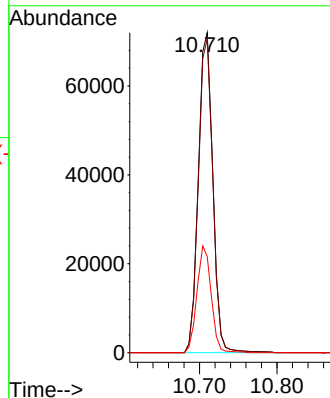
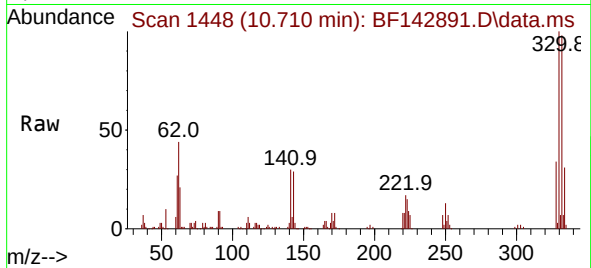
Tgt Ion:330 Resp: 93619

Ion Ratio Lower Upper

330 100

332 97.5 75.0 112.6

141 32.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 48.182 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

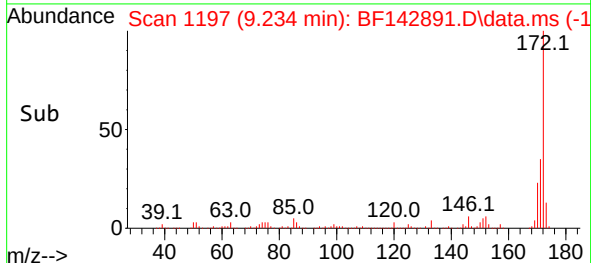
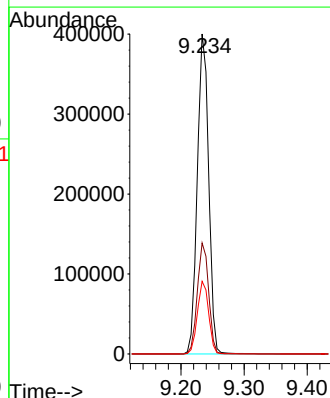
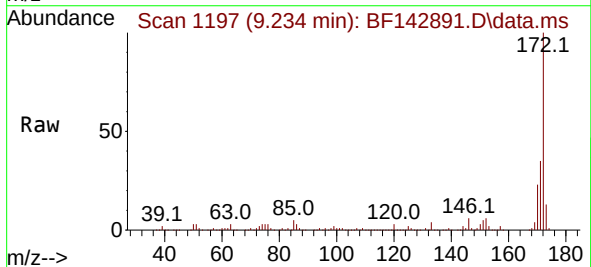
Tgt Ion:172 Resp: 498274

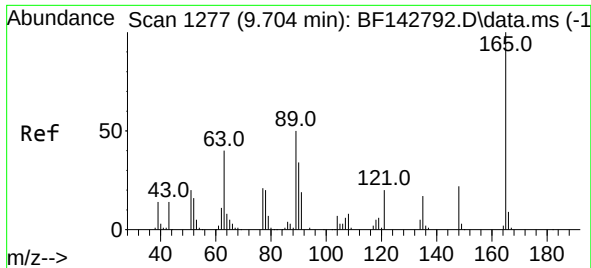
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.7 18.5 27.7

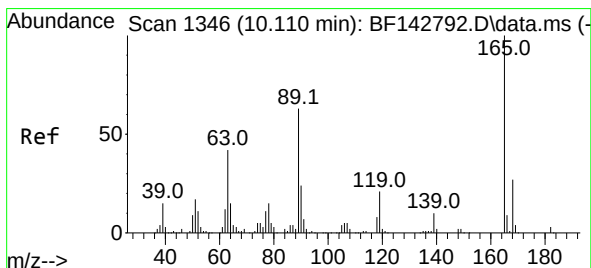
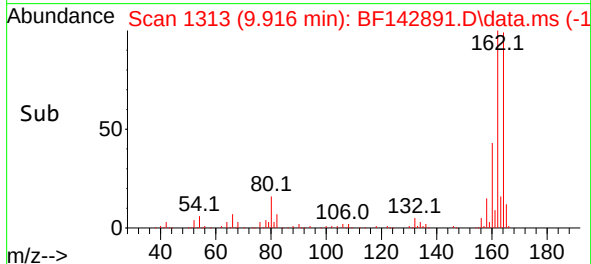
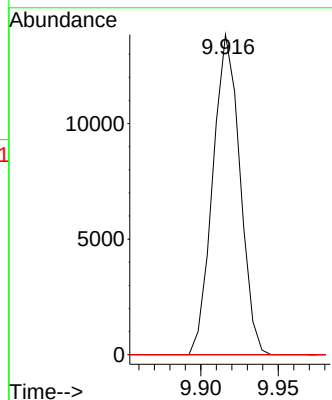
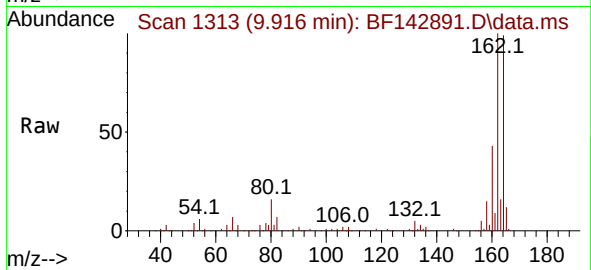




#51
2,6-Dinitrotoluene
Concen: 8.726 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

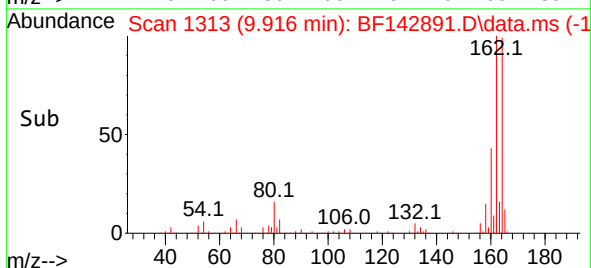
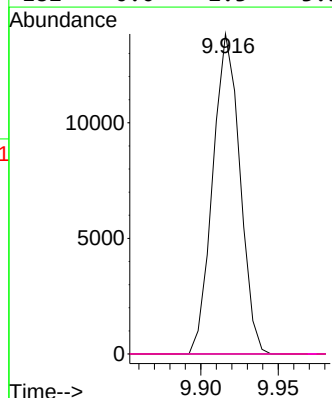
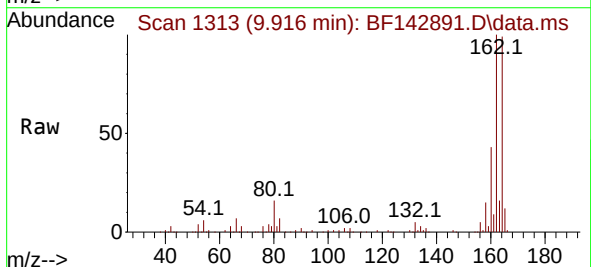
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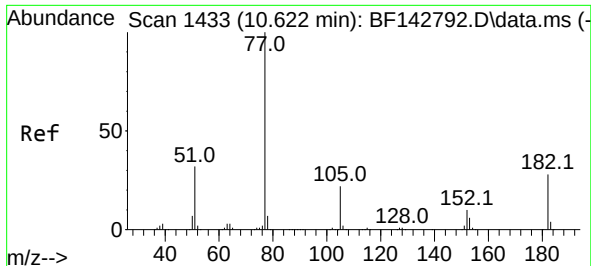
Tgt Ion:165 Resp: 16851
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.569 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:165 Resp: 16851
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#

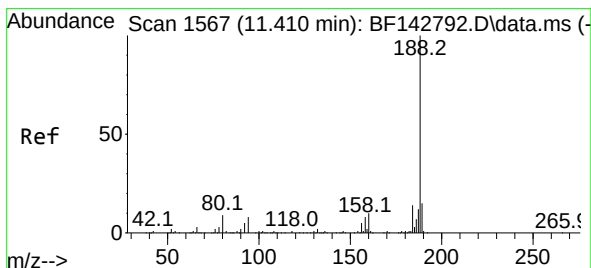
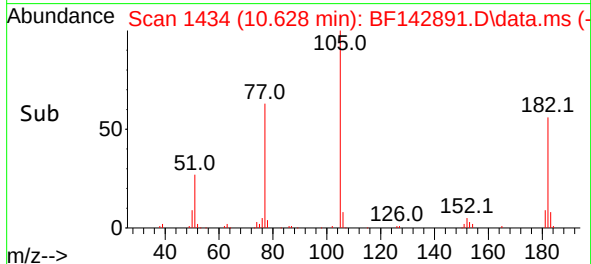
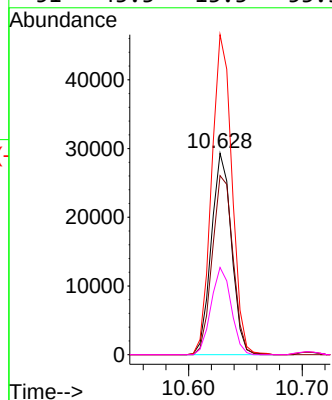
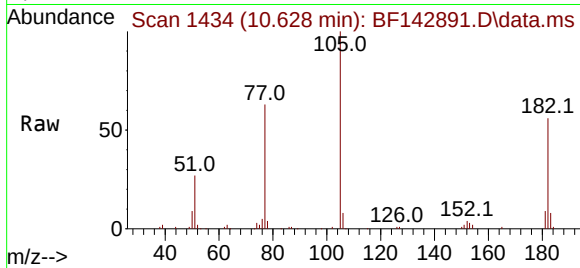




#63
Azobenzene
Concen: 4.709 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

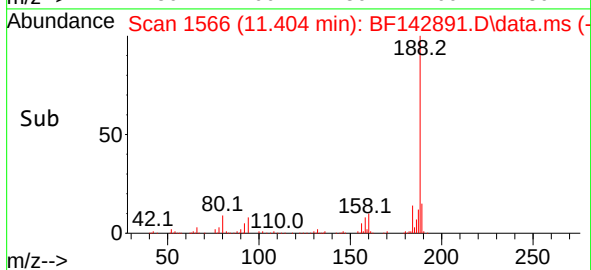
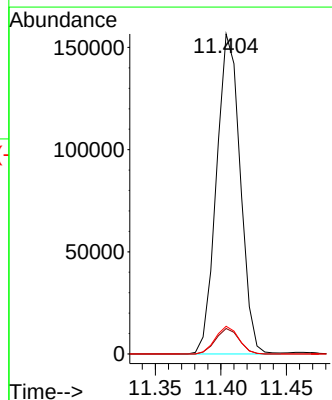
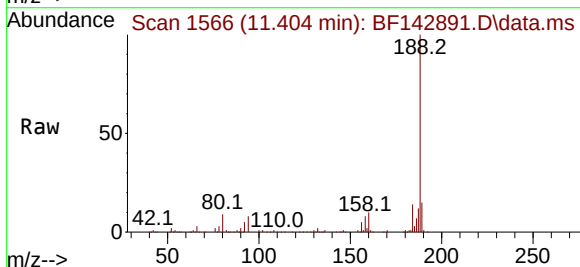
Instrument :
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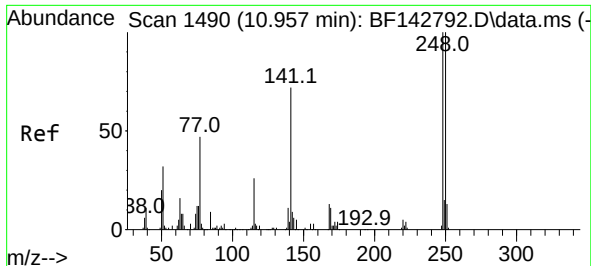
Tgt Ion: 77 Resp: 36286
Ion Ratio Lower Upper
77 100
182 88.9 7.7 47.7#
105 158.9 1.9 41.9#
51 43.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:188 Resp: 197144
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.7 6.9 10.3

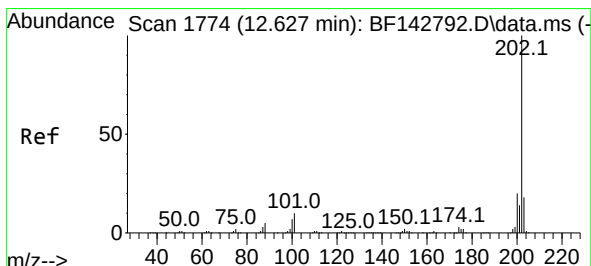
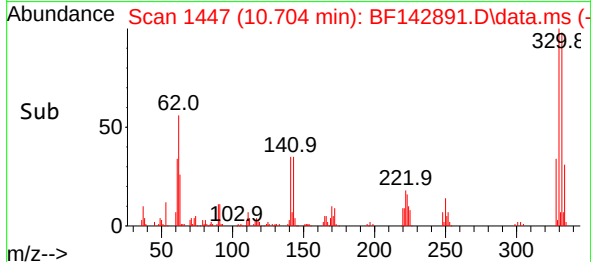
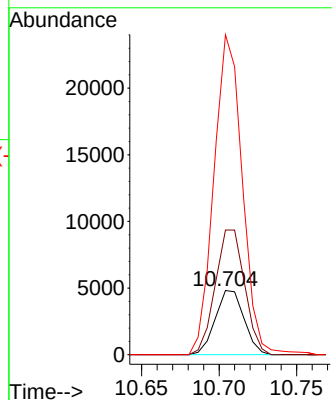
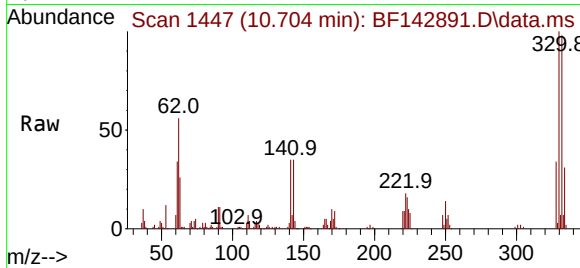




#67
4-Bromophenyl-phenylether
Concen: 2.775 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

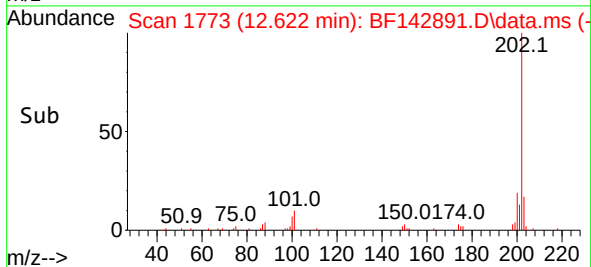
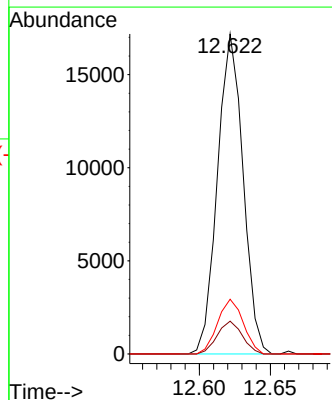
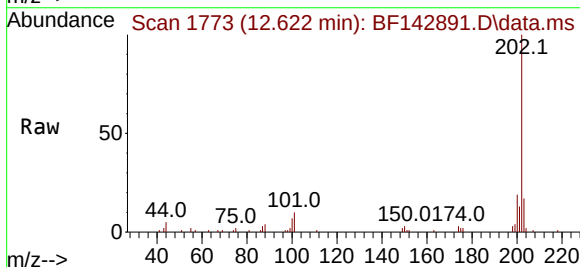
Instrument :
BNA_F
ClientSampleId :
TP-74

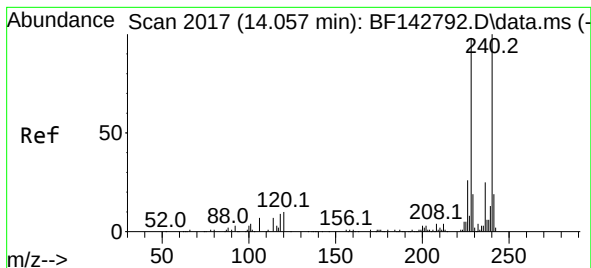
Tgt Ion:248 Resp: 6227
Ion Ratio Lower Upper
248 100
250 194.2 79.8 119.8#
141 498.5 57.8 86.6#



#75
Fluoranthene
Concen: 2.124 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:202 Resp: 21526
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.7
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-74

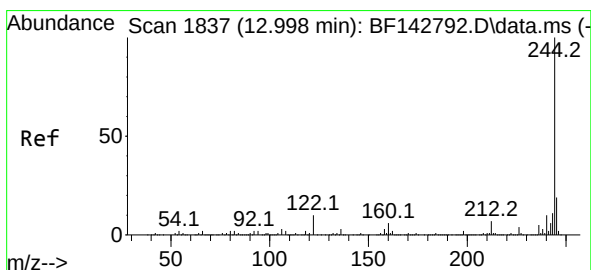
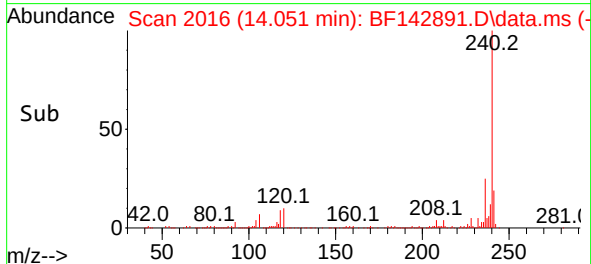
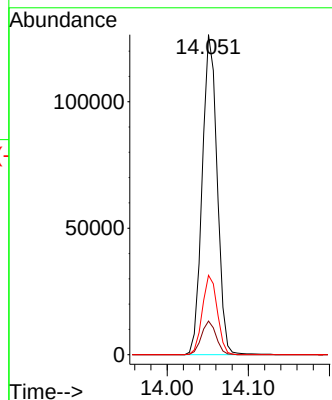
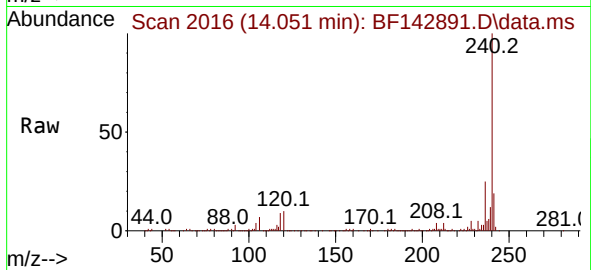
Tgt Ion:240 Resp: 161564

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 24.8 19.8 29.8



#79

Terphenyl-d14

Concen: 32.476 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

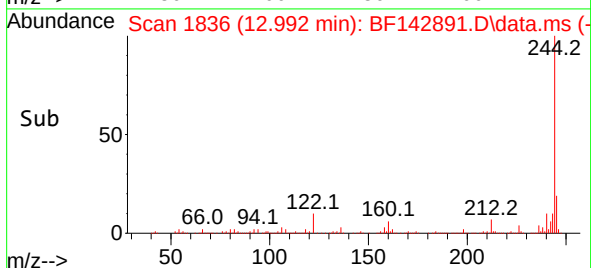
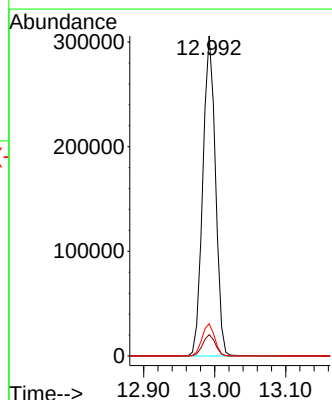
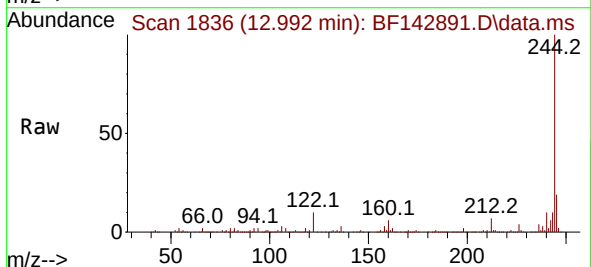
Tgt Ion:244 Resp: 379744

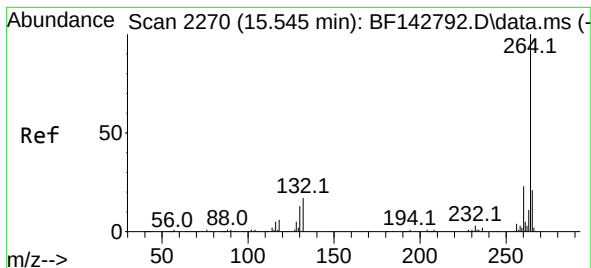
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.0 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-74

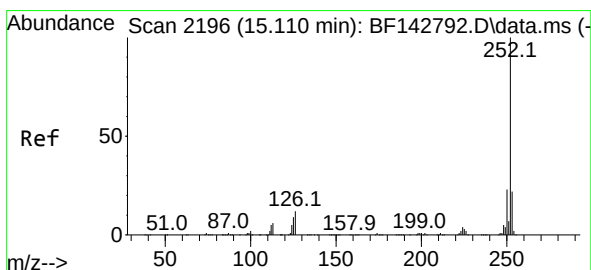
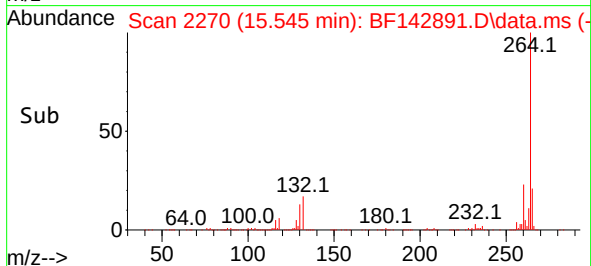
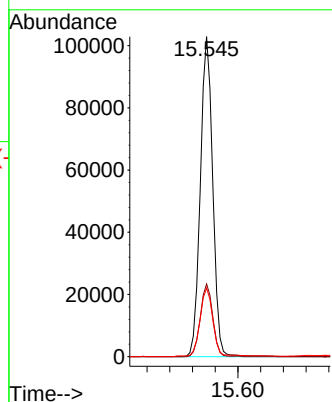
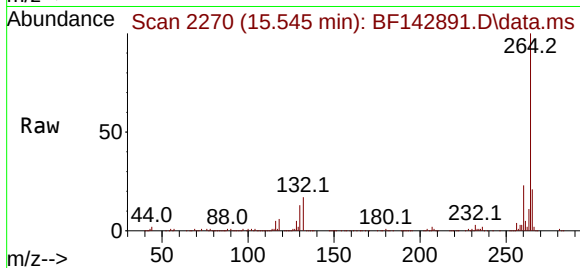
Tgt Ion:264 Resp: 156020

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.5 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.866 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142891.D

Acq: 27 Jun 2025 14:17

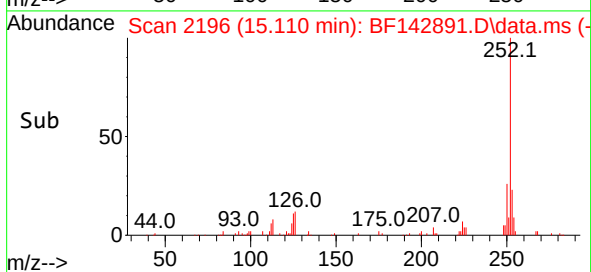
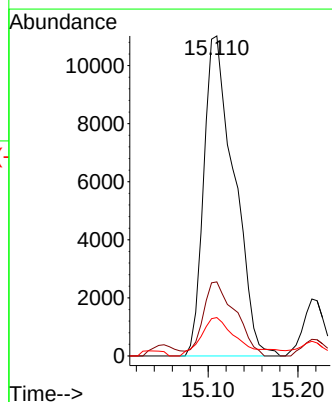
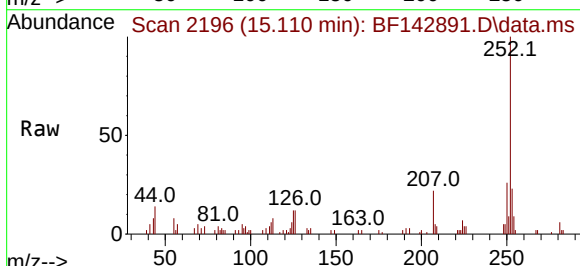
Tgt Ion:252 Resp: 25876

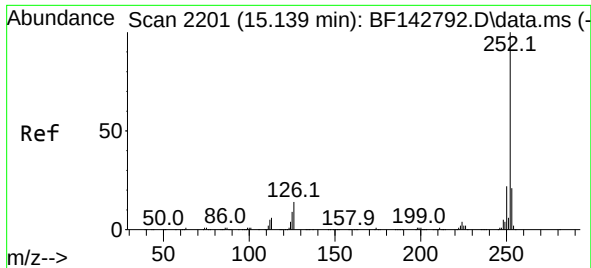
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.0 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.064 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF142891.D

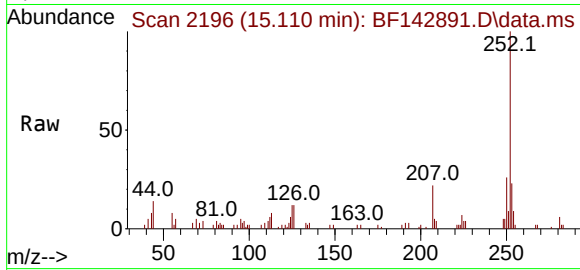
Acq: 27 Jun 2025 14:17

Instrument :

BNA_F

ClientSampleId :

TP-74



Tgt Ion:252 Resp: 25876

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 12.0 7.4 11.2#

