

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142911.D
 Acq On : 30 Jun 2025 11:46
 Operator : RC/JU
 Sample : Q2430-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

Quant Time: Jun 30 12:25:58 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)

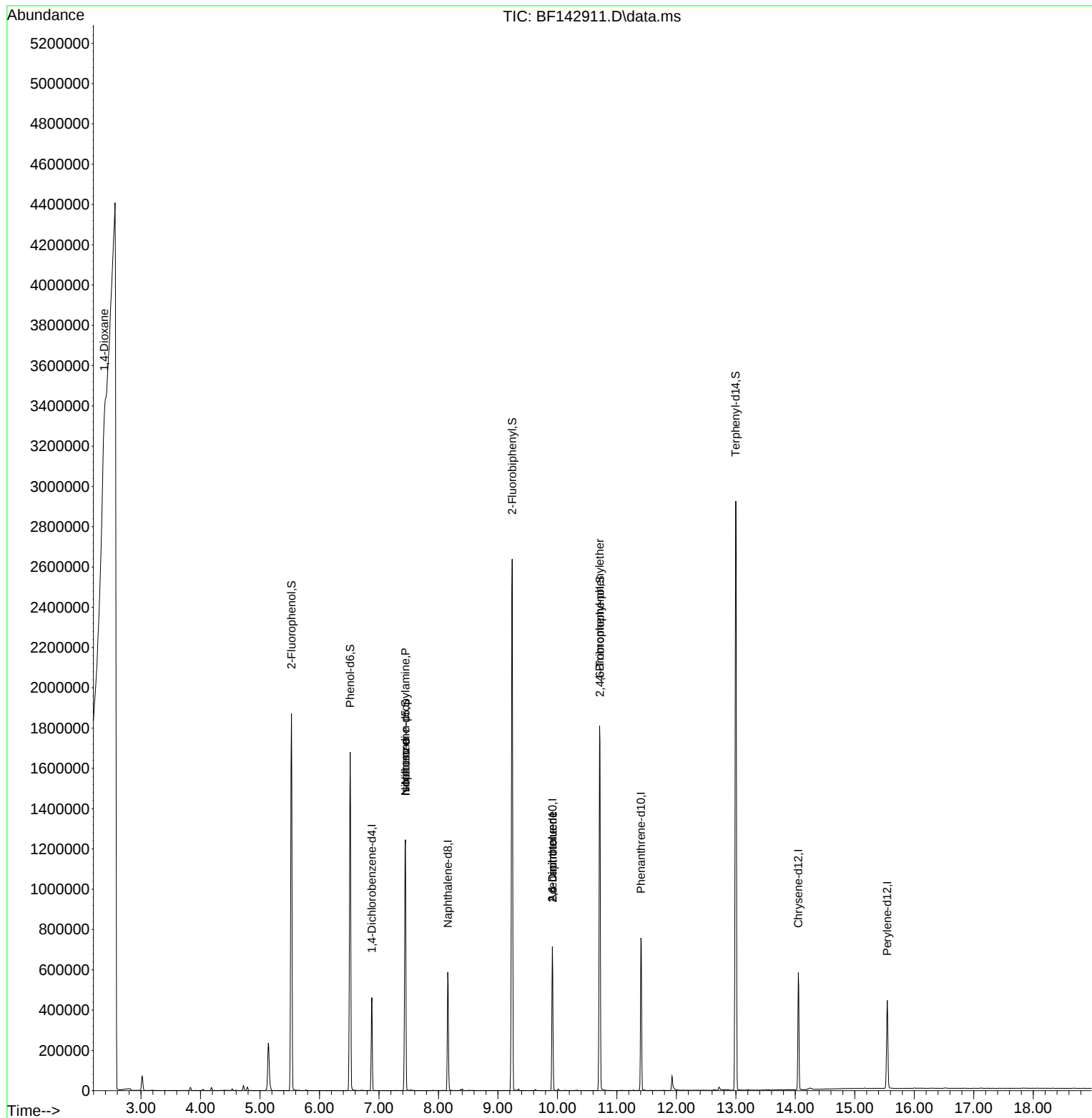
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	102654	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	396243	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	218092	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	408018	20.000	ng	0.00
76) Chrysene-d12	14.051	240	287241	20.000	ng	0.00
86) Perylene-d12	15.545	264	261313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	770214	124.919	ng	0.04
7) Phenol-d6	6.516	99	866857	119.167	ng	0.00
23) Nitrobenzene-d5	7.446	82	620196	85.852	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	349377	155.672	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	1330373	80.135	ng	0.00
79) Terphenyl-d14	12.998	244	1540684	74.111	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.381	88	6336	2.569	ng	# 49
19) n-Nitroso-di-n-propyla...	7.446	70	85123	20.120	ng	# 73
25) Isophorone	7.446	82	618706	53.390	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	28215	9.101	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	28215	6.851	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	21992	4.736	ng	# 1

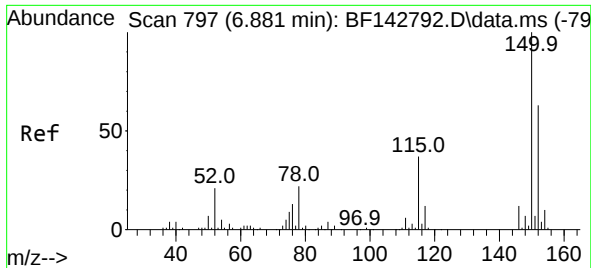
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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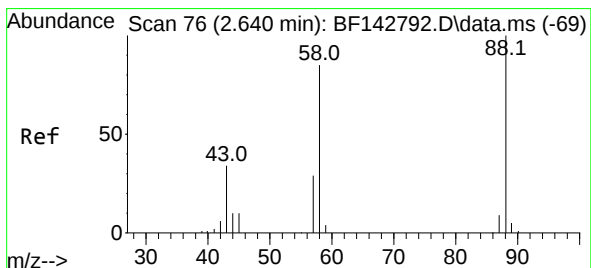
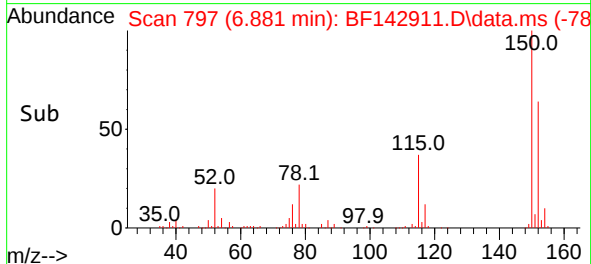
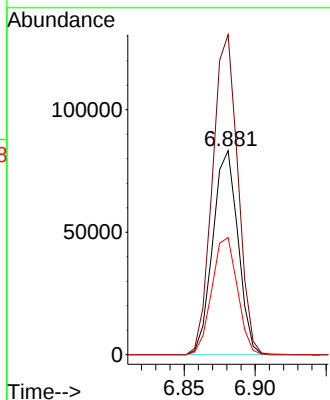
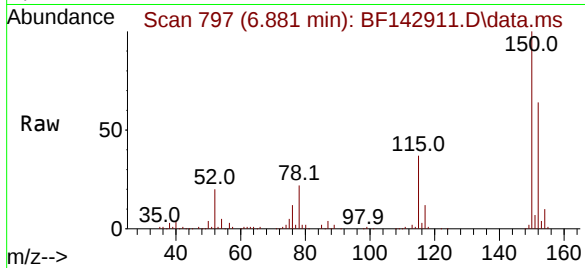




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142911.D
 Acq: 30 Jun 2025 11:46

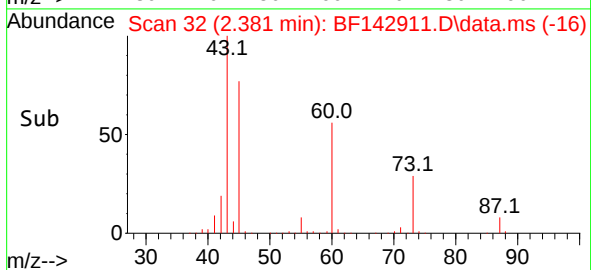
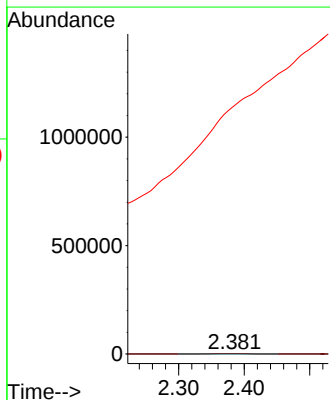
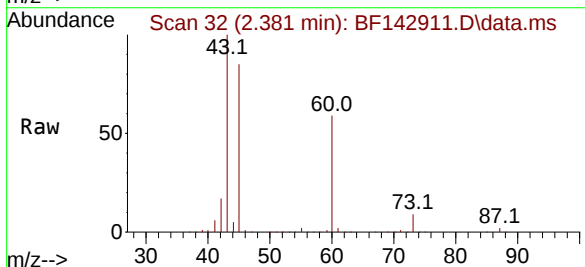
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/F

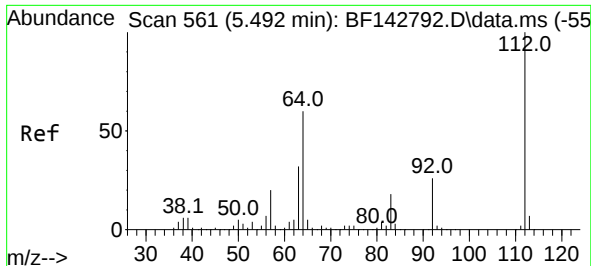
Tgt Ion:152 Resp: 102654
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.2 190.8
 115 57.4 46.6 69.8



#2
 1,4-Dioxane
 Concen: 2.569 ng
 RT: 2.381 min Scan# 32
 Delta R.T. -0.259 min
 Lab File: BF142911.D
 Acq: 30 Jun 2025 11:46

Tgt Ion: 88 Resp: 6336
 Ion Ratio Lower Upper
 88 100
 58 43.0 69.1 103.7#
 43 0.0 27.4 41.2#

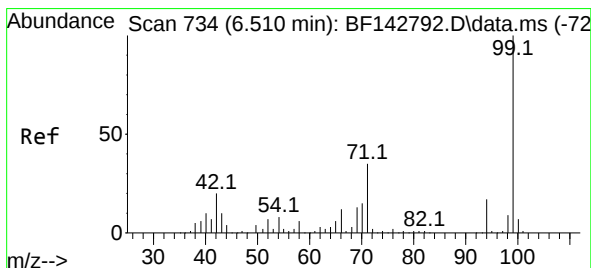
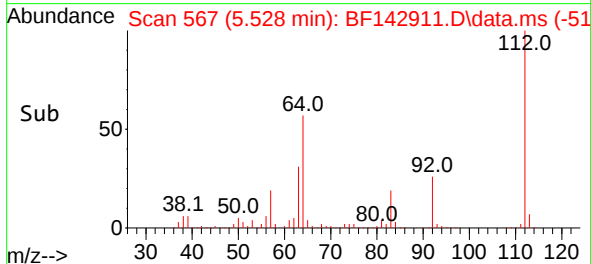
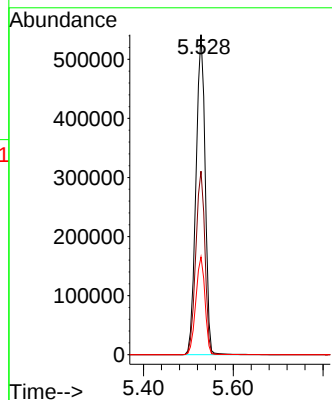
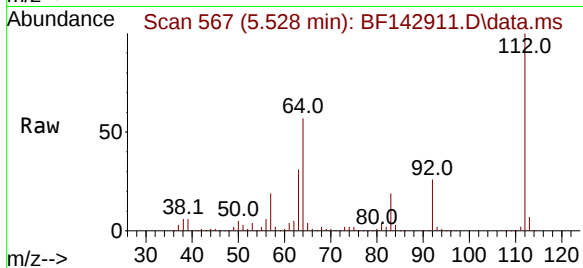




#5
2-Fluorophenol
Concen: 124.919 ng
RT: 5.528 min Scan# 50
Delta R.T. 0.036 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

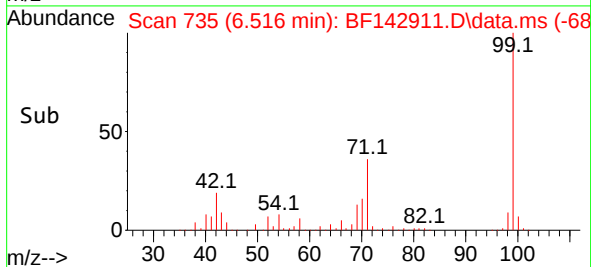
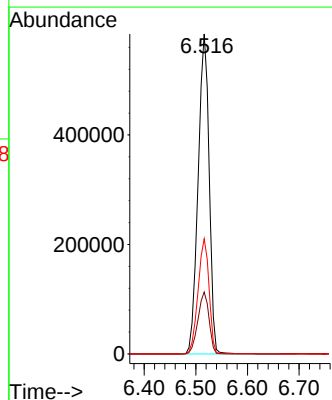
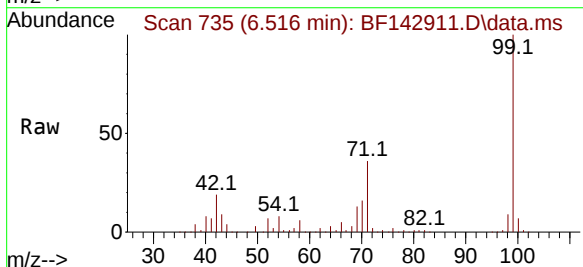
Instrument :
BNA_F
ClientSampleId :
MH-E/F

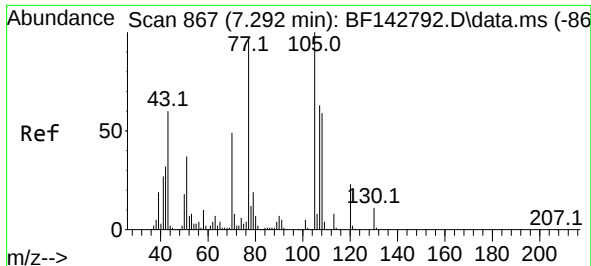
Tgt Ion:112 Resp: 770214
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.5 25.7 38.5



#7
Phenol-d6
Concen: 119.167 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

Tgt Ion: 99 Resp: 866857
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 36.0 27.8 41.8

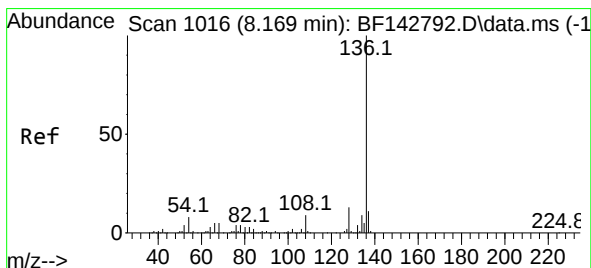
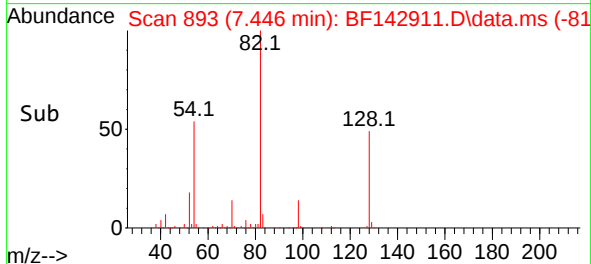
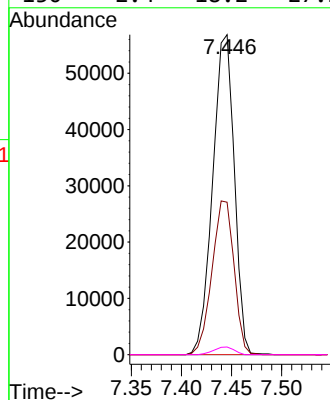
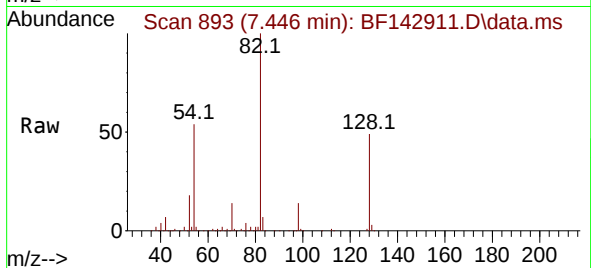




#19
n-Nitroso-di-n-propylamine
Concen: 20.120 ng
RT: 7.446 min Scan# 89
Delta R.T. 0.153 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

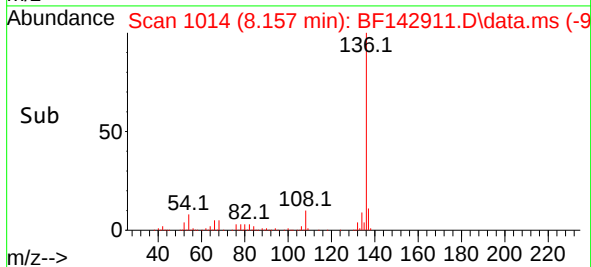
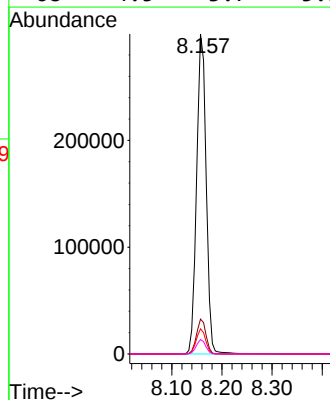
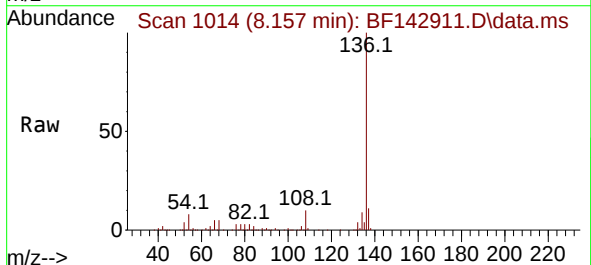
Instrument :
BNA_F
ClientSampleId :
MH-E/F

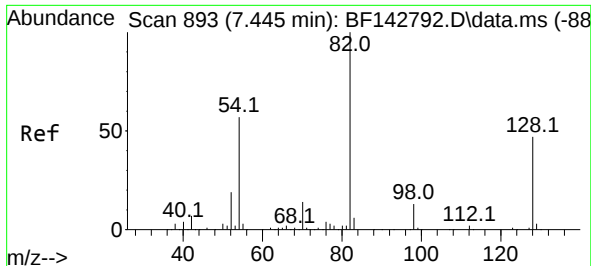
Tgt Ion:	70	Resp:	85123
Ion	Ratio	Lower	Upper
70	100		
42	47.6	52.1	78.1#
101	0.0	8.2	12.2#
130	2.4	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

Tgt Ion:	136	Resp:	396243
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.8	6.3	9.5
68	4.5	3.7	5.5

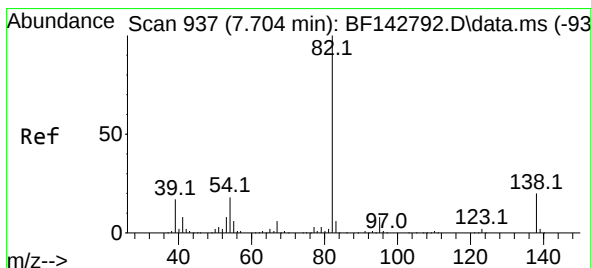
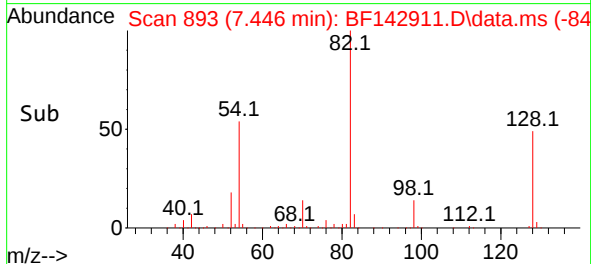
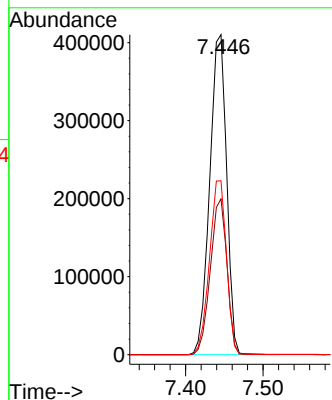
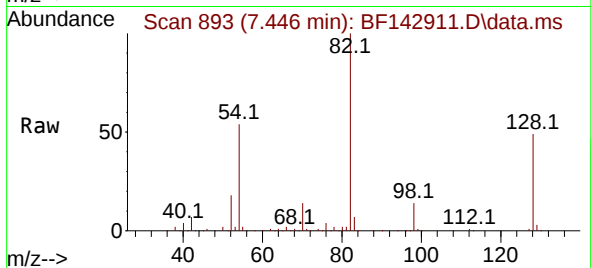




#23
Nitrobenzene-d5
Concen: 85.852 ng
RT: 7.446 min Scan# 893
Delta R.T. 0.001 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

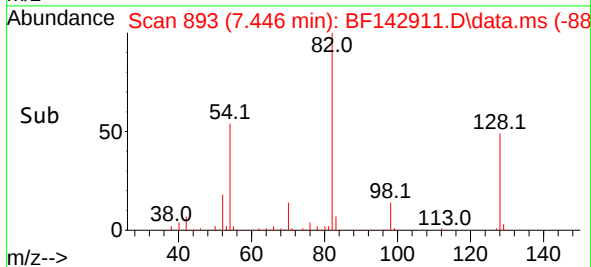
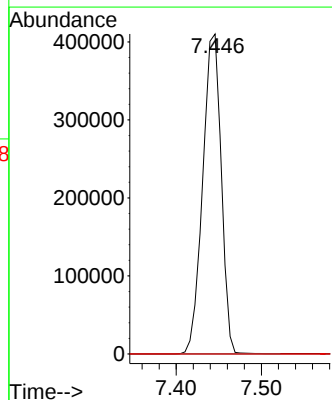
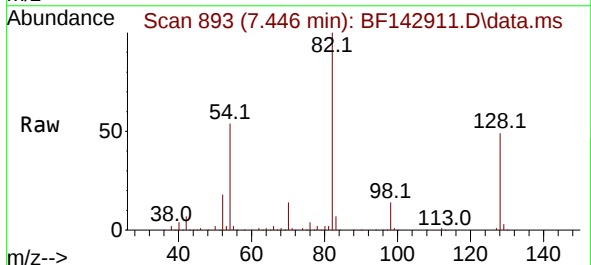
Instrument :
BNA_F
ClientSampleId :
MH-E/F

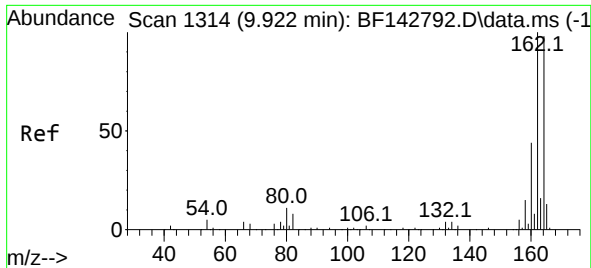
Tgt Ion: 82 Resp: 620196
Ion Ratio Lower Upper
82 100
128 48.7 37.7 56.5
54 54.4 45.7 68.5



#25
Isophorone
Concen: 53.390 ng
RT: 7.446 min Scan# 893
Delta R.T. -0.259 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

Tgt Ion: 82 Resp: 618706
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# 11

Delta R.T. -0.006 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

Instrument :

BNA_F

ClientSampleId :

MH-E/F

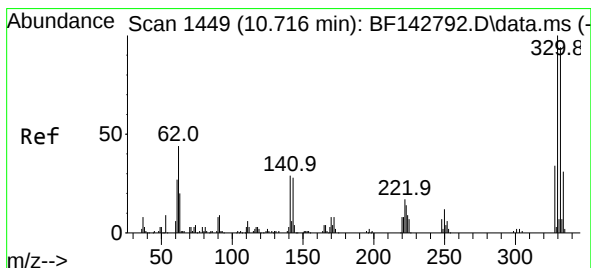
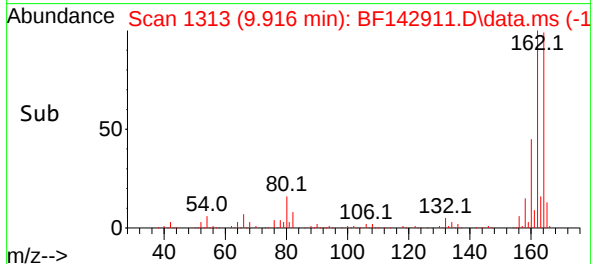
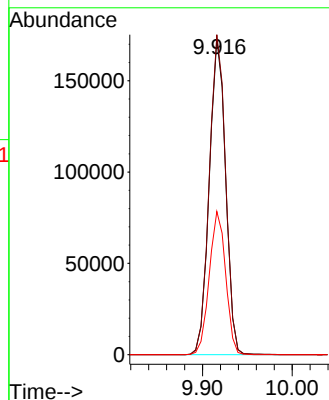
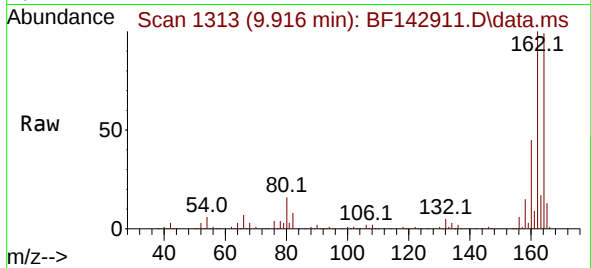
Tgt Ion:164 Resp: 218092

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

160 45.4 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 155.672 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

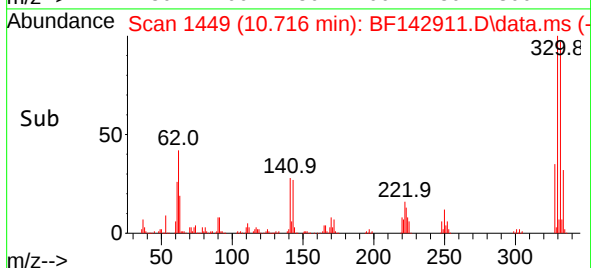
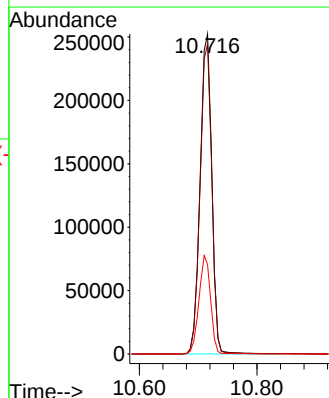
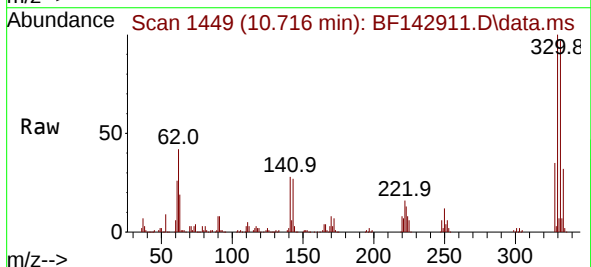
Tgt Ion:330 Resp: 349377

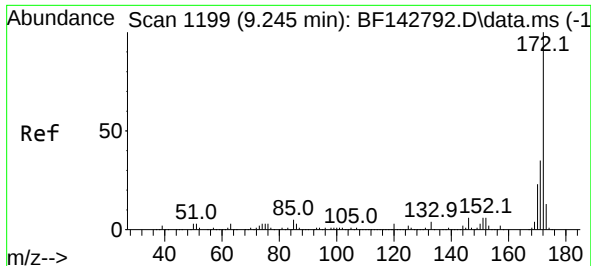
Ion Ratio Lower Upper

330 100

332 96.9 75.0 112.6

141 30.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 80.135 ng

RT: 9.240 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

Instrument :

BNA_F

ClientSampleId :

MH-E/F

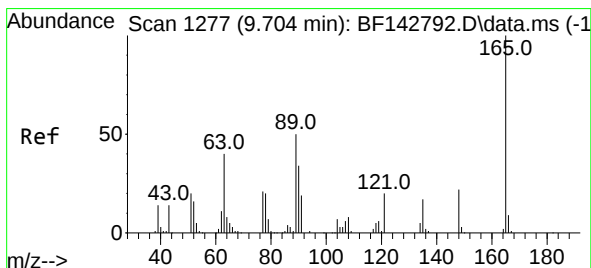
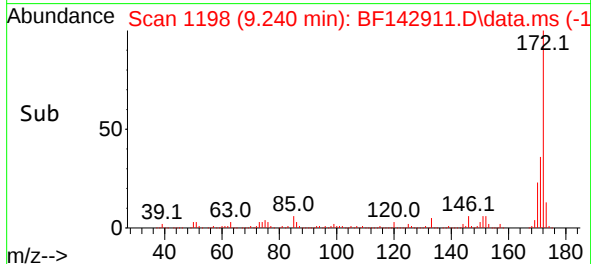
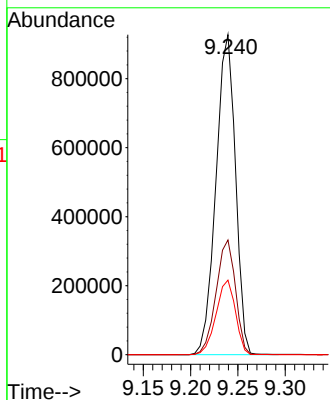
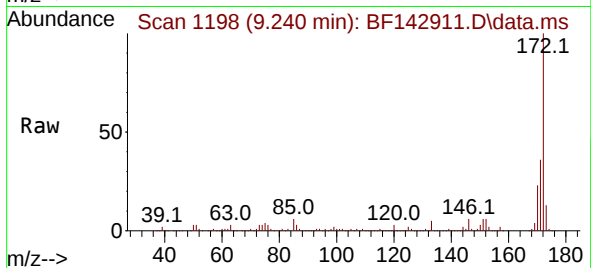
Tgt Ion:172 Resp: 1330373

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.3 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.101 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

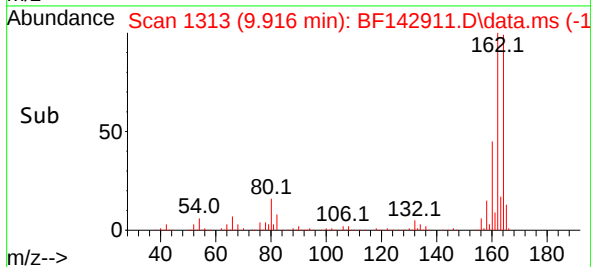
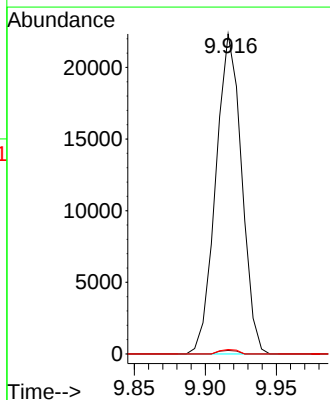
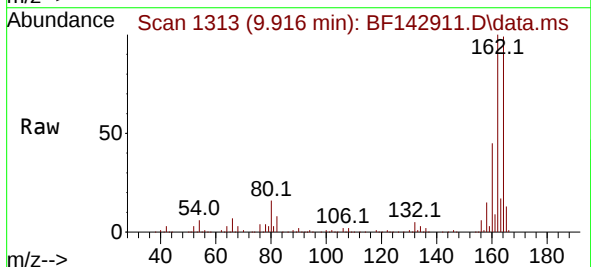
Tgt Ion:165 Resp: 28215

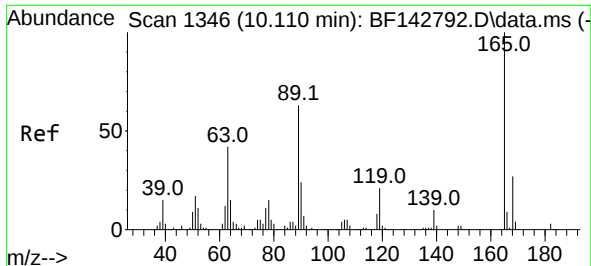
Ion Ratio Lower Upper

165 100

63 1.1 44.2 66.4#

89 1.4 39.8 59.8#

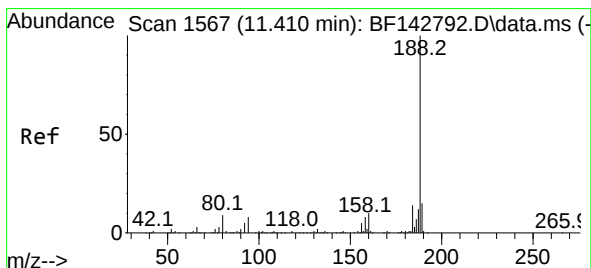
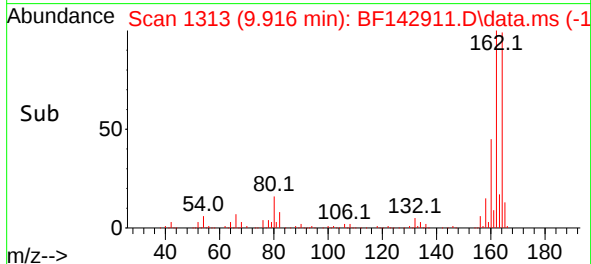
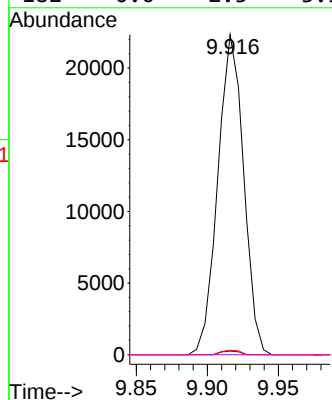
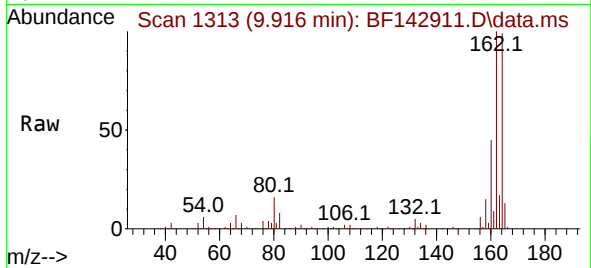




#57
2,4-Dinitrotoluene
Concen: 6.851 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

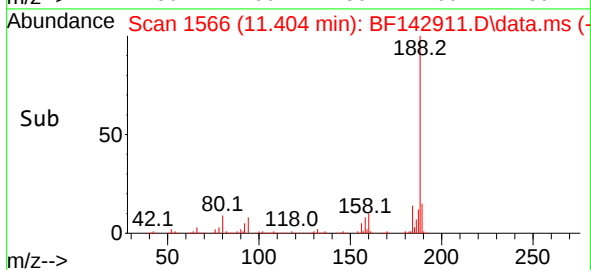
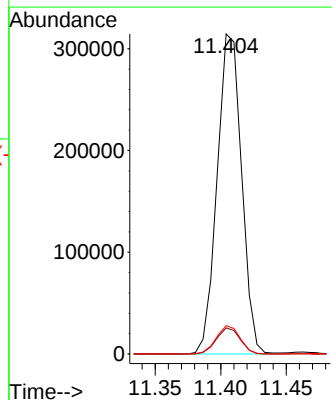
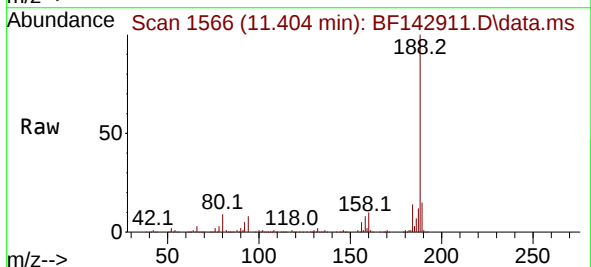
Instrument :
BNA_F
ClientSampleId :
MH-E/F

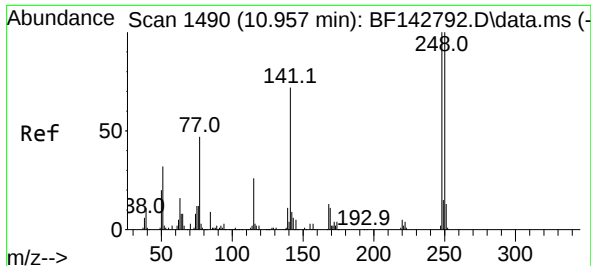
Tgt Ion:165 Resp: 28215
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 1.4 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

Tgt Ion:188 Resp: 408018
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.9 6.9 10.3

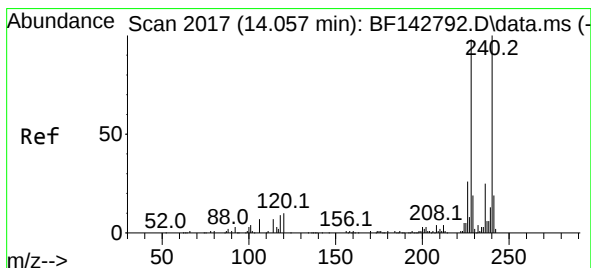
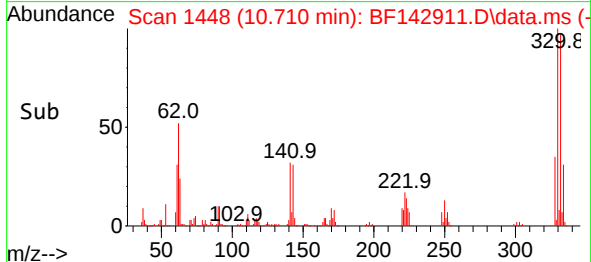
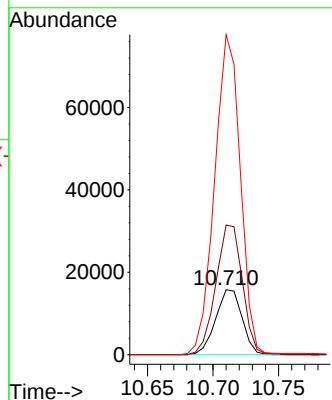
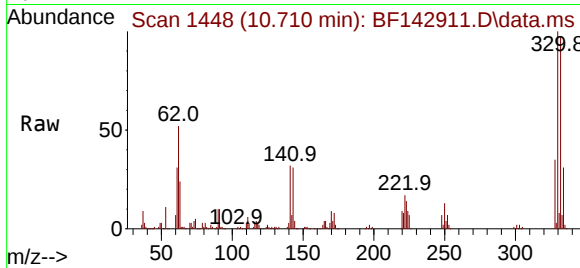




#67
4-Bromophenyl-phenylether
Concen: 4.736 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

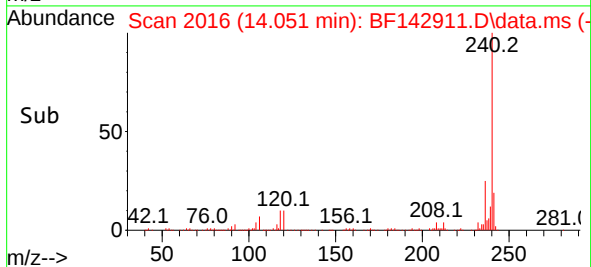
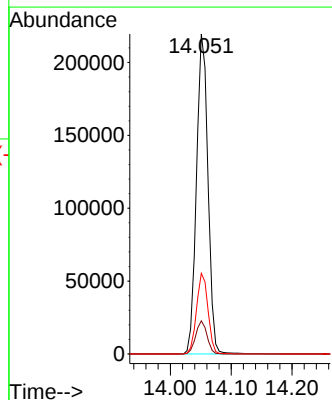
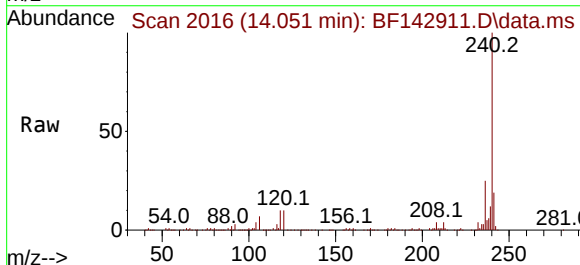
Instrument :
BNA_F
ClientSampleId :
MH-E/F

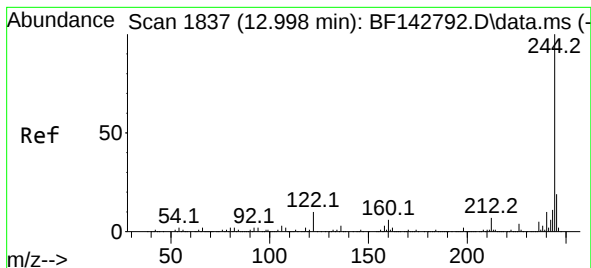
Tgt Ion:248 Resp: 21992
Ion Ratio Lower Upper
248 100
250 199.6 79.8 119.8#
141 493.0 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142911.D
Acq: 30 Jun 2025 11:46

Tgt Ion:240 Resp: 287241
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.2 19.8 29.8





#79

Terphenyl-d14

Concen: 74.111 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

Instrument :

BNA_F

ClientSampleId :

MH-E/F

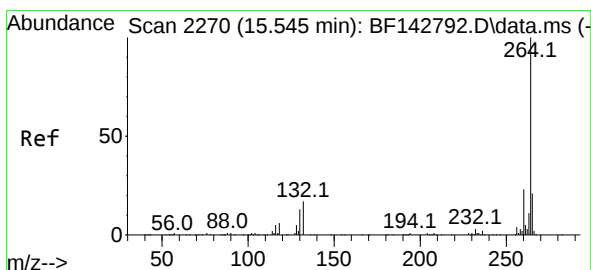
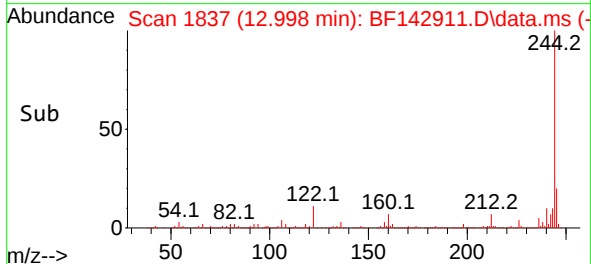
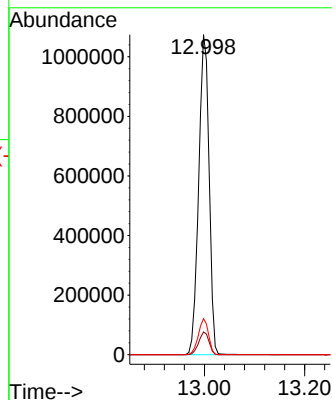
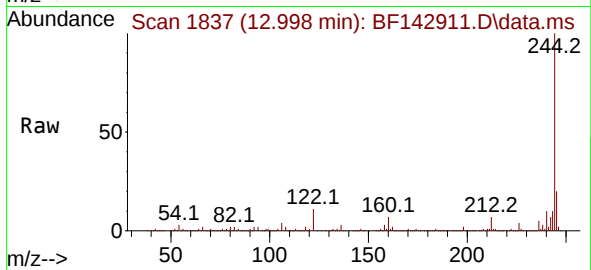
Tgt Ion:244 Resp: 1540684

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 11.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142911.D

Acq: 30 Jun 2025 11:46

Tgt Ion:264 Resp: 261313

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.6 16.6 25.0

