

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142812.D
 Acq On : 24 Jun 2025 10:46
 Operator : RC/JU
 Sample : PB168582BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168582BL

Quant Time: Jun 24 11:39:51 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)

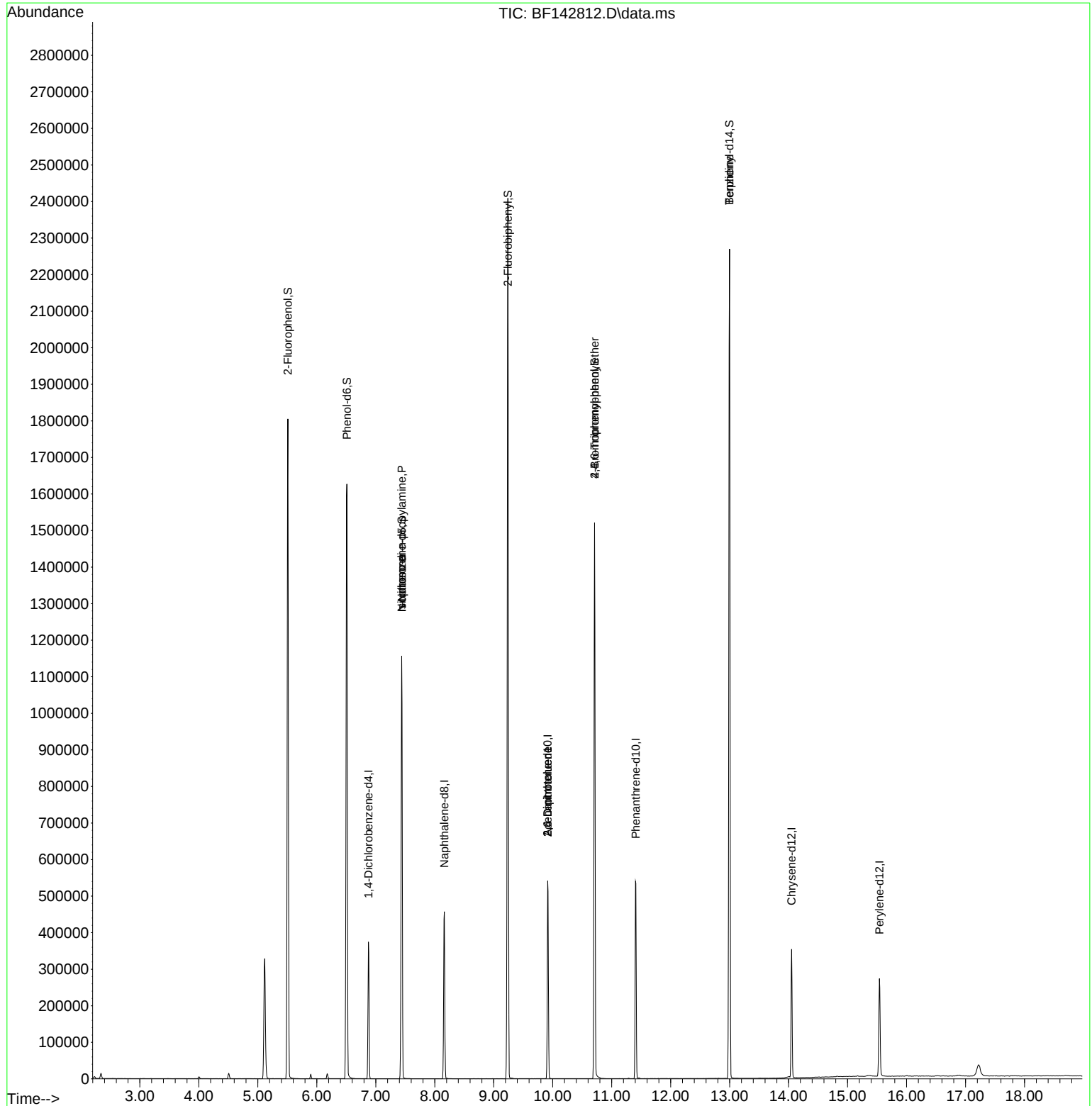
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81642	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	317120	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	168135	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	296286	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173907	20.000	ng	0.00
86) Perylene-d12	15.539	264	160806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	726306	148.116	ng	0.02
7) Phenol-d6	6.510	99	863417	149.242	ng	0.00
23) Nitrobenzene-d5	7.439	82	540776	93.536	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	275891	159.454	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1139684	89.046	ng	0.00
79) Terphenyl-d14	12.998	244	1137325	90.361	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.439	70	72418	21.522	ng	# 76
25) Isophorone	7.439	82	537195	57.922	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	21286	8.906	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	21286	6.705	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	17144	5.084	ng	# 1
77) Benzydine	12.998	184	14217	2.176	ng	# 94

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

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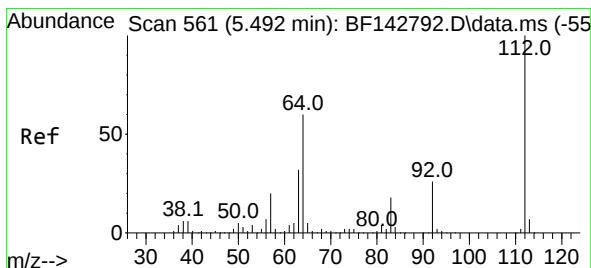
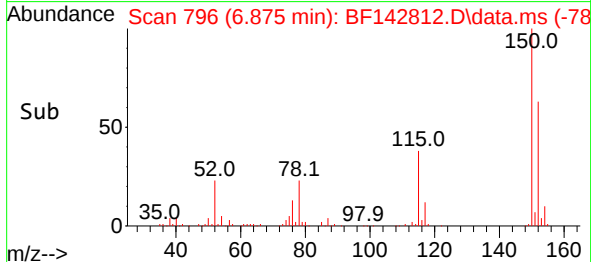
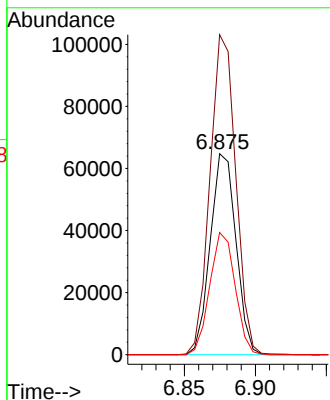
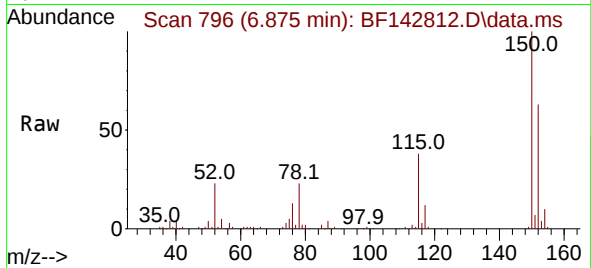




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142812.D
 Acq: 24 Jun 2025 10:46

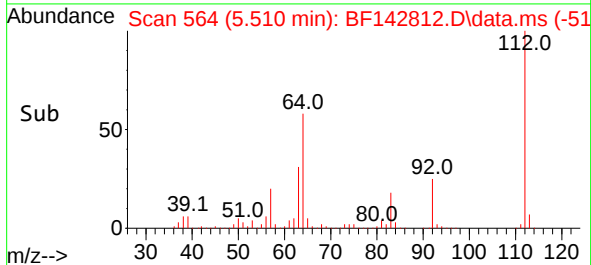
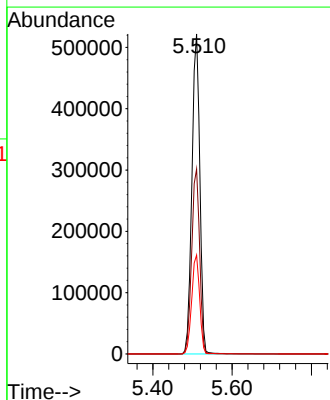
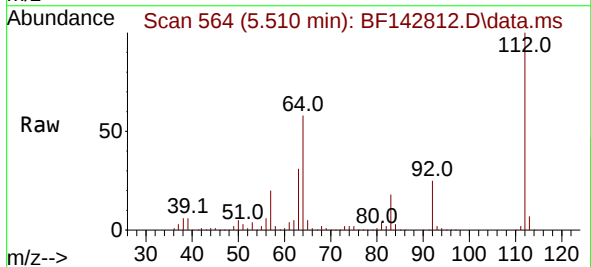
Instrument :
 BNA_F
 ClientSampleId :
 PB168582BL

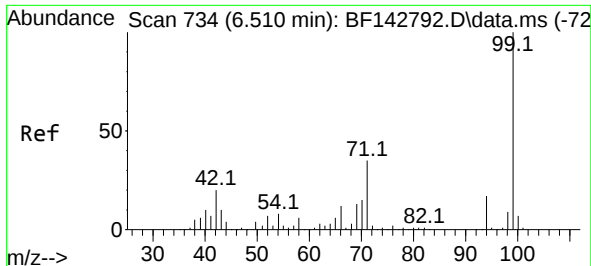
Tgt Ion:152 Resp: 81642
 Ion Ratio Lower Upper
 152 100
 150 159.3 127.2 190.8
 115 60.9 46.6 69.8



#5
 2-Fluorophenol
 Concen: 148.116 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF142812.D
 Acq: 24 Jun 2025 10:46

Tgt Ion:112 Resp: 726306
 Ion Ratio Lower Upper
 112 100
 64 57.8 48.2 72.2
 63 30.9 25.7 38.5

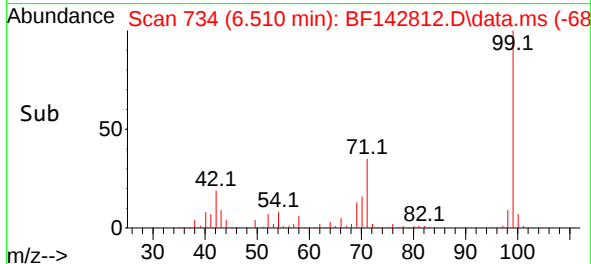
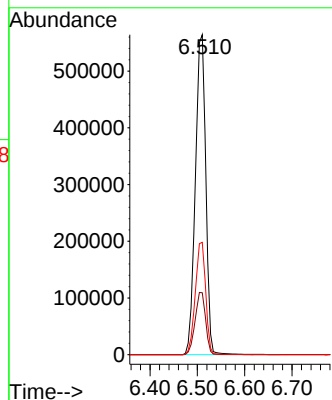
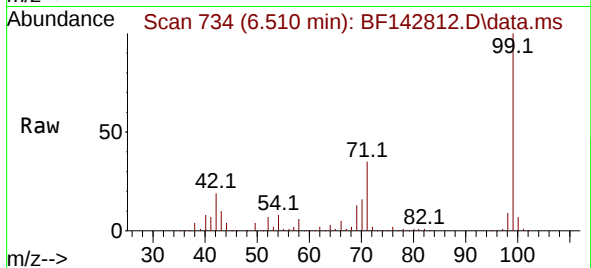




#7
Phenol-d6
Concen: 149.242 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

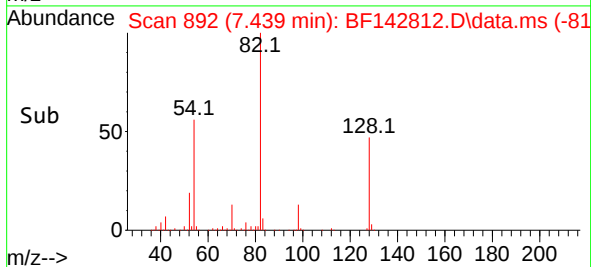
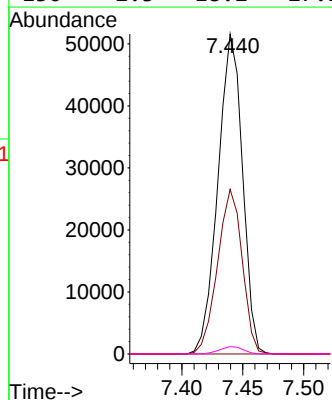
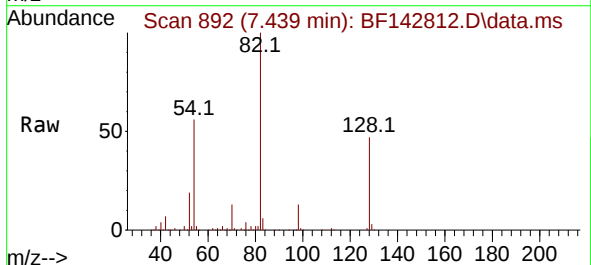
Instrument :
BNA_F
ClientSampleId :
PB168582BL

Tgt Ion: 99 Resp: 863417
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.522 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Tgt Ion: 70 Resp: 72418
Ion Ratio Lower Upper
70 100
42 51.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

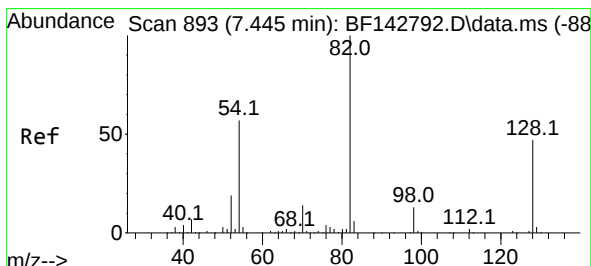
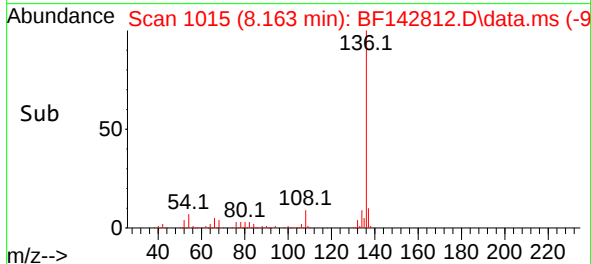
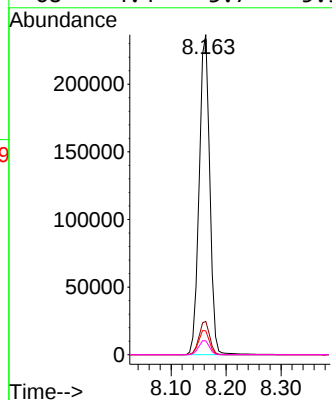
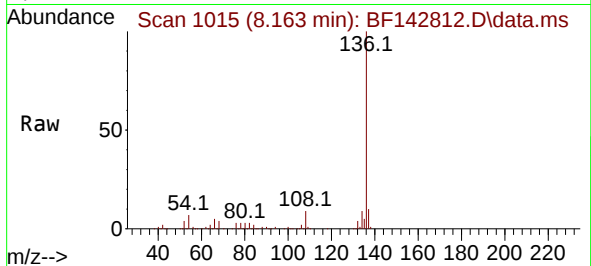




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

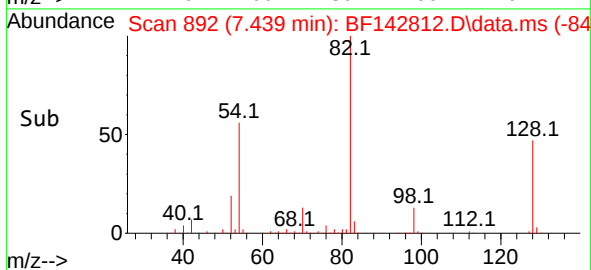
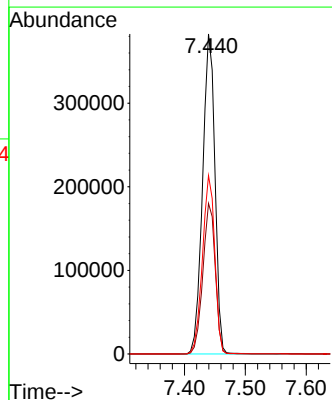
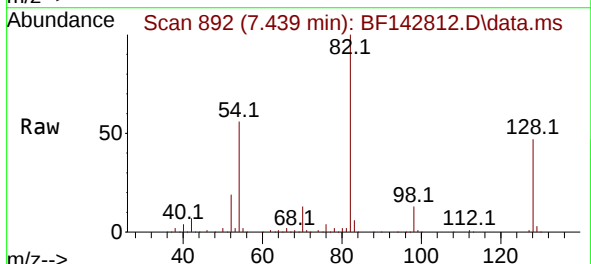
Instrument :
BNA_F
ClientSampleId :
PB168582BL

Tgt Ion:136 Resp: 317120
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 93.536 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Tgt Ion: 82 Resp: 540776
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 55.7 45.7 68.5

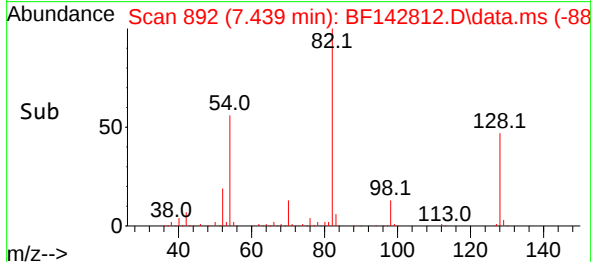
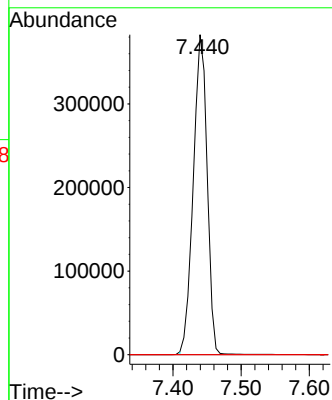
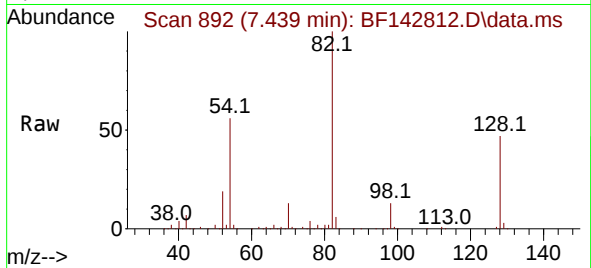




#25
Isophorone
Concen: 57.922 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

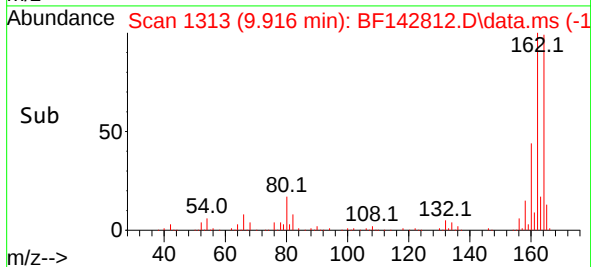
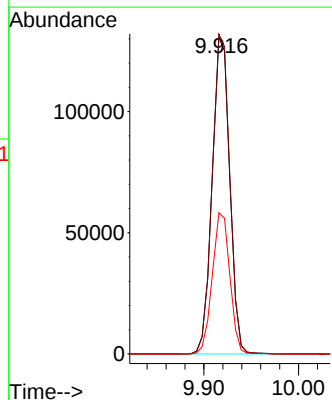
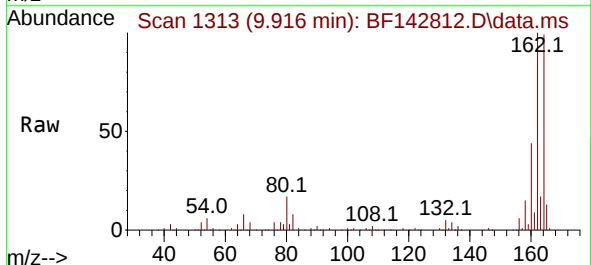
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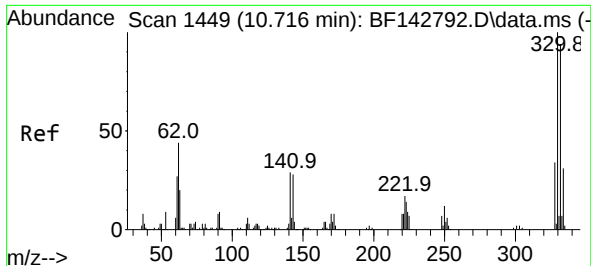
Tgt Ion: 82 Resp: 537195
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

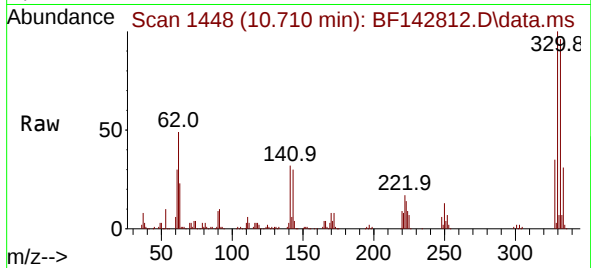
Tgt Ion:164 Resp: 168135
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.8
160 44.6 36.0 54.0



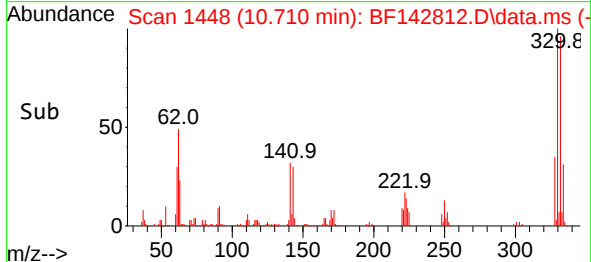
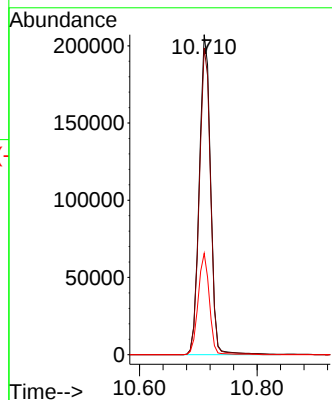


#42
2,4,6-Tribromophenol
Concen: 159.454 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Instrument :
BNA_F
ClientSampleId :
PB168582BL

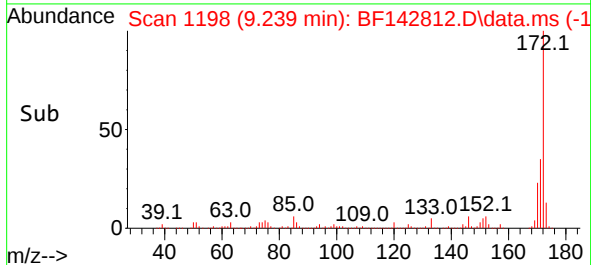
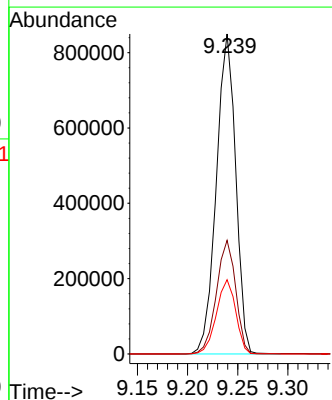
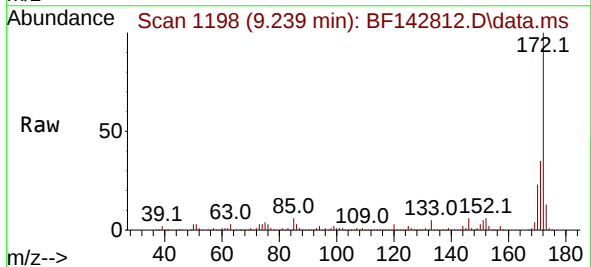


Tgt Ion:330 Resp: 275891
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.6
141 31.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 89.046 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Tgt Ion:172 Resp: 1139684
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.2 18.5 27.7

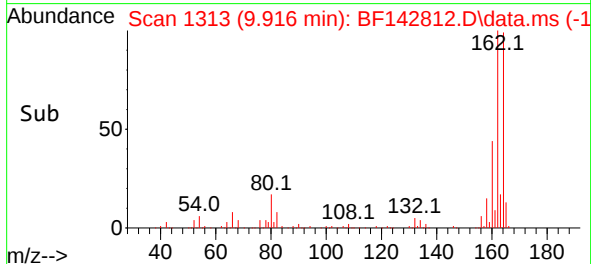
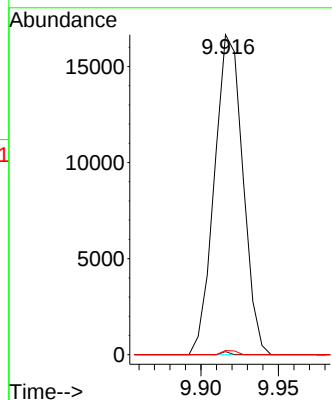
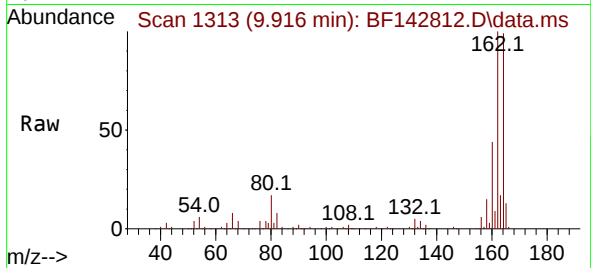




#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

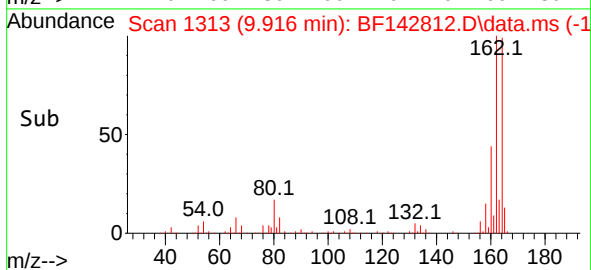
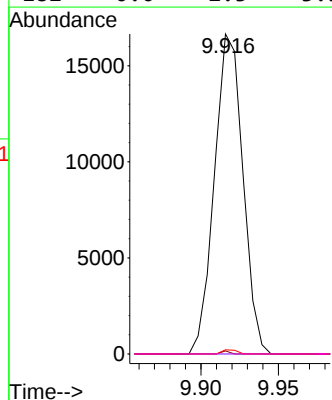
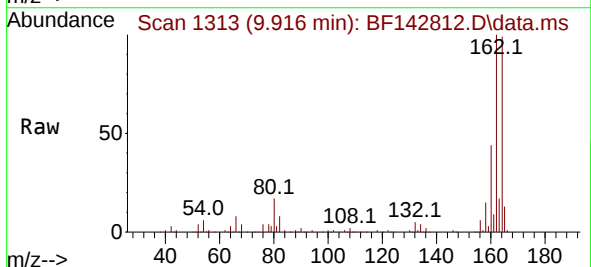
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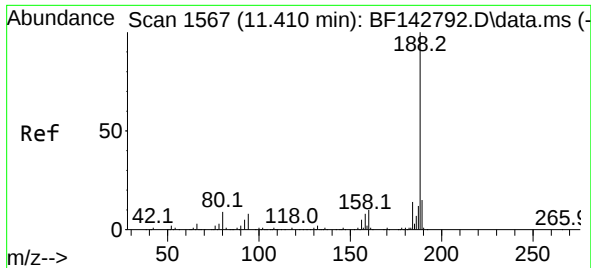
Tgt Ion:165 Resp: 21286
Ion Ratio Lower Upper
165 100
63 0.9 44.2 66.4#
89 1.3 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.705 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Tgt Ion:165 Resp: 21286
Ion Ratio Lower Upper
165 100
63 0.9 33.9 50.9#
89 1.3 50.6 75.8#
182 0.0 2.3 3.5#

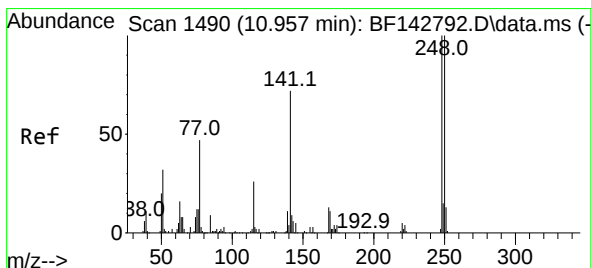
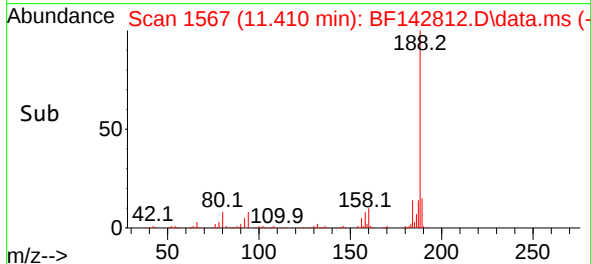
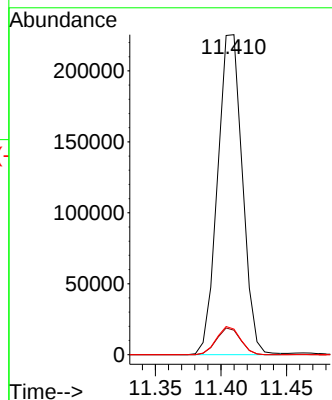
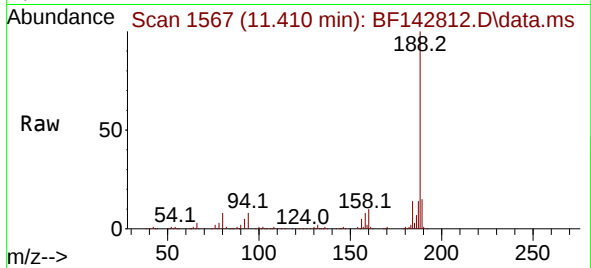




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

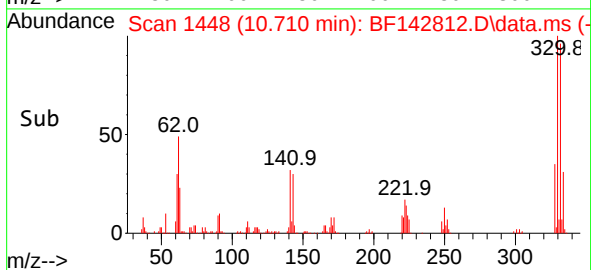
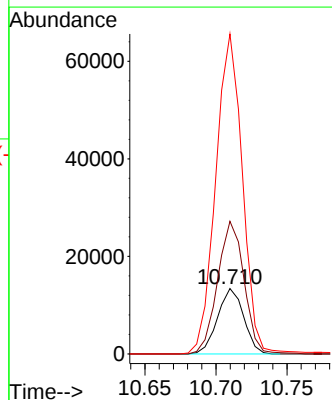
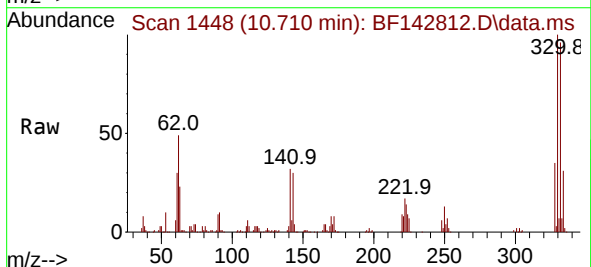
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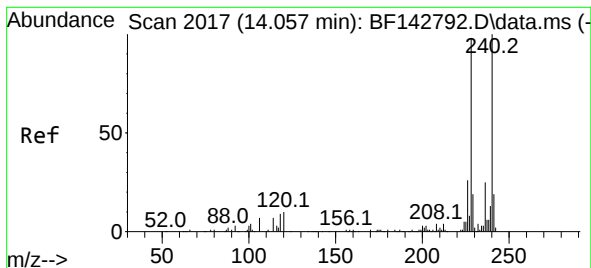
Tgt Ion:188 Resp: 296286
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.0 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 5.084 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF142812.D
Acq: 24 Jun 2025 10:46

Tgt Ion:248 Resp: 17144
Ion Ratio Lower Upper
248 100
250 203.0 79.8 119.8#
141 489.5 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: BF142812.D

Acq: 24 Jun 2025 10:46

Instrument :

BNA_F

ClientSampleId :

PB168582BL

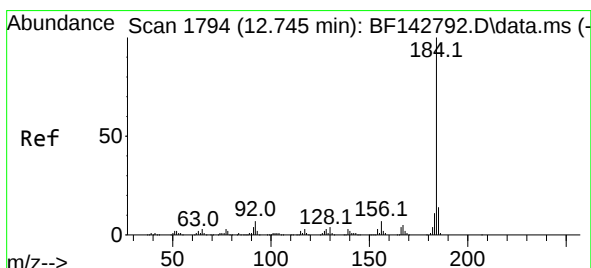
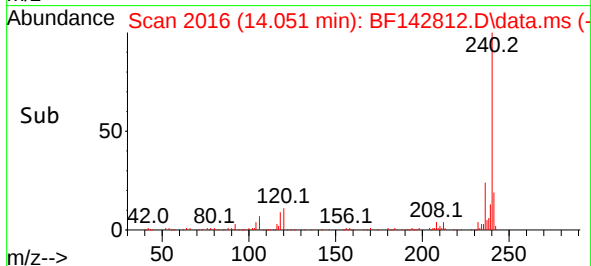
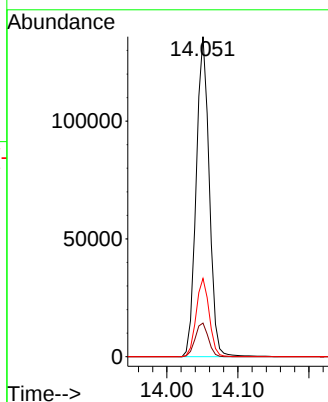
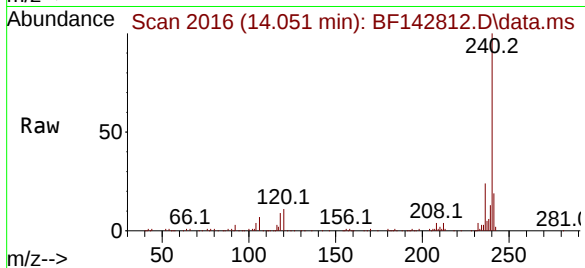
Tgt Ion:240 Resp: 173907

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 24.4 19.8 29.8



#77

Benzidine

Concen: 2.176 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF142812.D

Acq: 24 Jun 2025 10:46

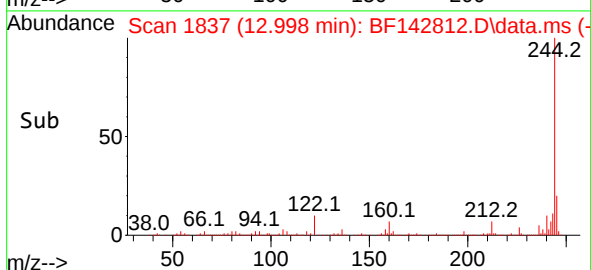
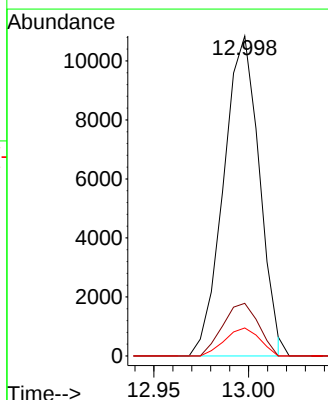
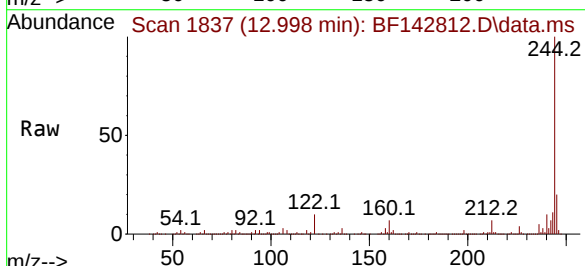
Tgt Ion:184 Resp: 14217

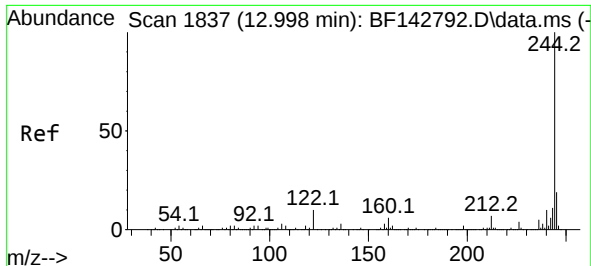
Ion Ratio Lower Upper

184 100

185 16.5 11.5 17.3

183 8.8 9.0 13.4#

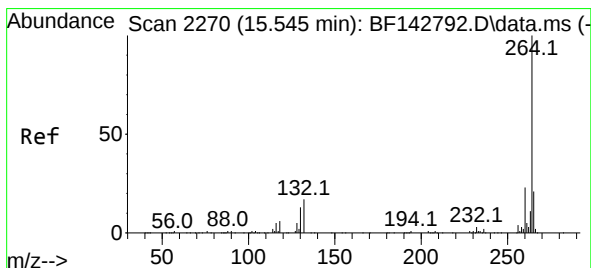
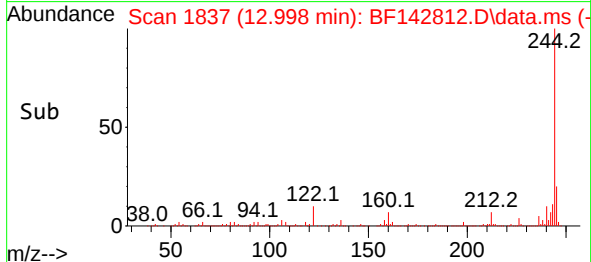
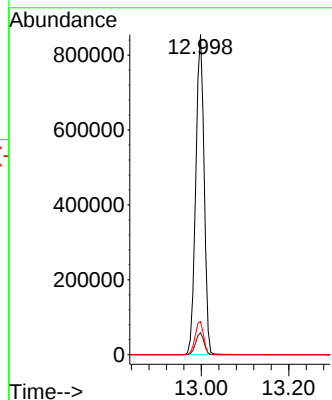
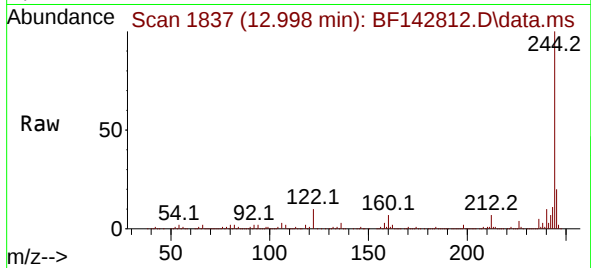




#79
 Terphenyl-d14
 Concen: 90.361 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142812.D
 Acq: 24 Jun 2025 10:46

Instrument :
 BNA_F
 ClientSampleId :
 PB168582BL

Tgt Ion:244 Resp: 1137325
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.4 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: BF142812.D
 Acq: 24 Jun 2025 10:46

Tgt Ion:264 Resp: 160806
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.4 16.6 25.0

