

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144221.D
 Acq On : 12 Nov 2025 00:26
 Operator : RC/JU
 Sample : Q3588-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025

Quant Time: Nov 12 03:48:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

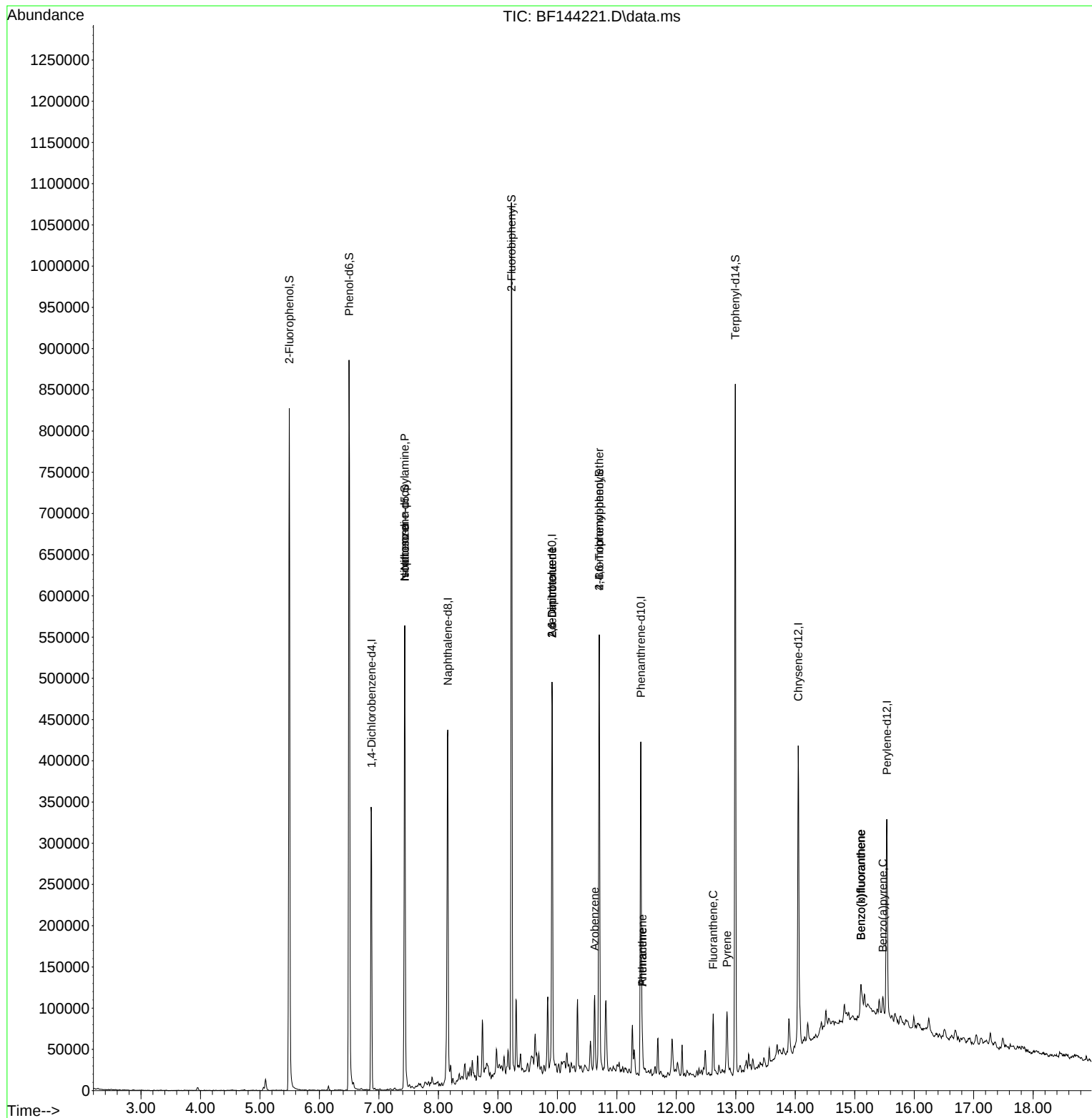
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74399	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	277551	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	146485	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	218101	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173666	20.000	ng	0.00
86) Perylene-d12	15.539	264	155628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	318362	66.963	ng	0.00
7) Phenol-d6	6.498	99	377337	70.046	ng	0.00
23) Nitrobenzene-d5	7.433	82	238905	49.713	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	108046	58.778	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	496938	50.104	ng	0.00
79) Terphenyl-d14	12.992	244	436541	39.927	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	33486	9.443	ng	# 80
25) Isophorone	7.433	82	238903	26.282	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	19304	9.827	ng	# 29
57) 2,4-Dinitrotoluene	9.910	165	19304	7.340	ng	# 29
63) Azobenzene	10.627	77	23437	2.815	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6001	2.156	ng	# 1
71) Phenanthrene	11.427	178	24065	2.216	ng	97
72) Anthracene	11.427	178	24065	2.179	ng	97
75) Fluoranthene	12.621	202	43796	3.904	ng	98
78) Pyrene	12.851	202	39379	2.812	ng	98
88) Benzo(b)fluoranthene	15.104	252	32054	3.623	ng	# 93
89) Benzo(k)fluoranthene	15.104	252	32054	3.871	ng	# 94
90) Benzo(a)pyrene	15.474	252	16366	2.005	ng	# 91

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

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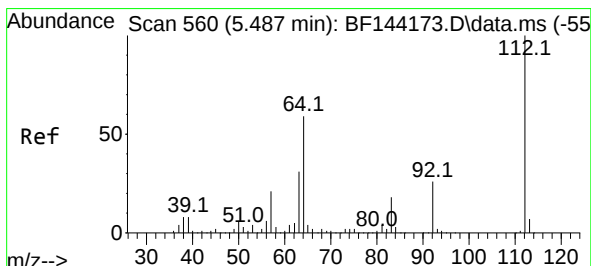
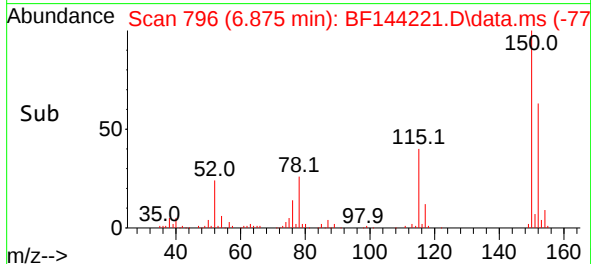
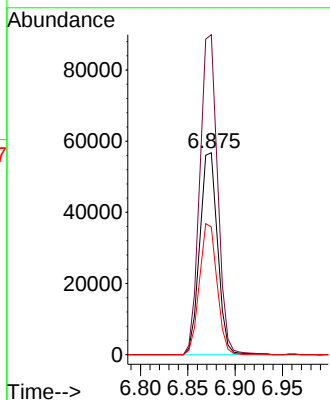
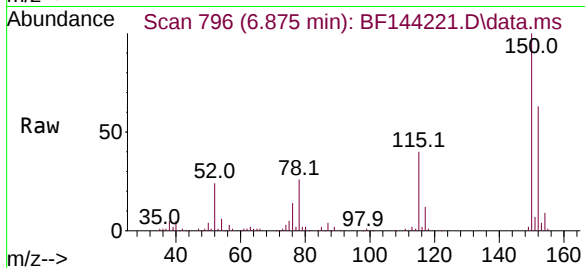




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

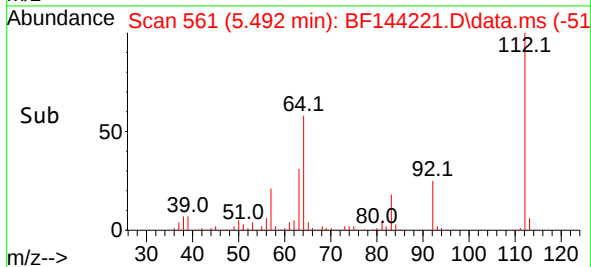
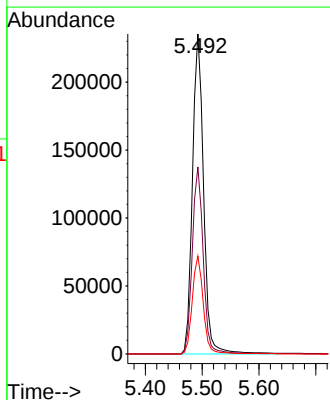
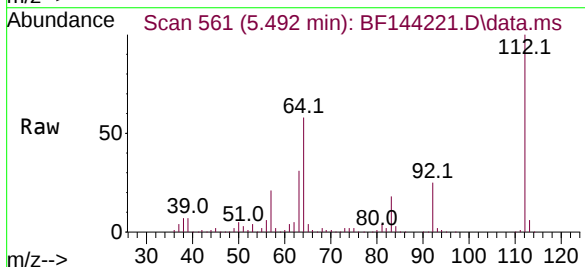
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025

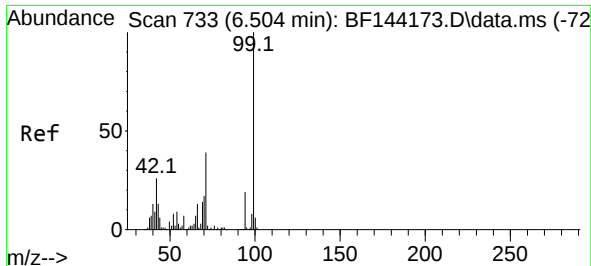
Tgt Ion:152 Resp: 74399
 Ion Ratio Lower Upper
 152 100
 150 158.6 127.4 191.0
 115 63.2 49.5 74.3



#5
 2-Fluorophenol
 Concen: 66.963 ng
 RT: 5.492 min Scan# 561
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

Tgt Ion:112 Resp: 318362
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.2 70.8
 63 30.6 24.4 36.6

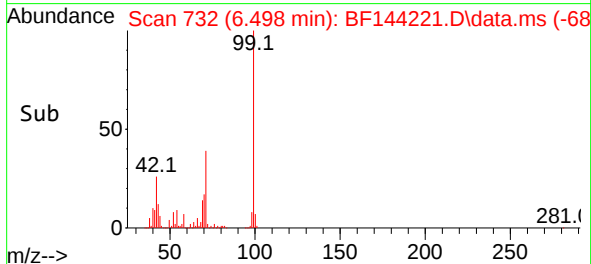
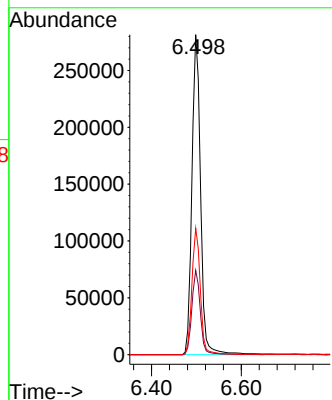
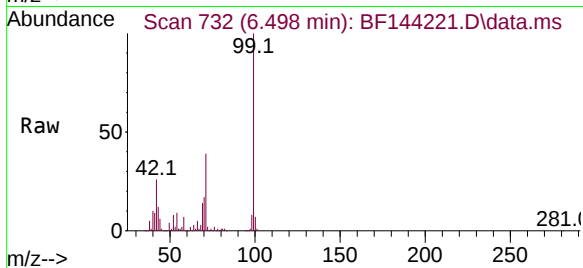




#7
Phenol-d6
Concen: 70.046 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

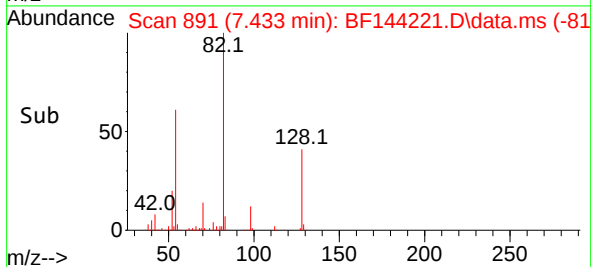
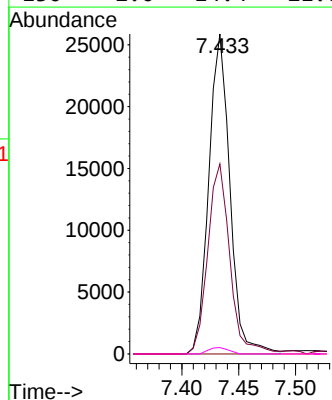
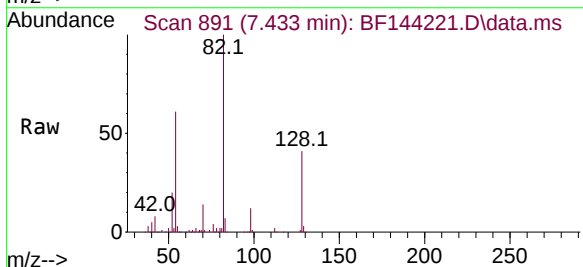
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025

Tgt Ion: 99 Resp: 377337
Ion Ratio Lower Upper
99 100
42 26.3 20.9 31.3
71 39.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.443 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion: 70 Resp: 33486
Ion Ratio Lower Upper
70 100
42 59.4 58.3 87.5
101 0.0 7.0 10.6#
130 2.0 14.4 21.6#



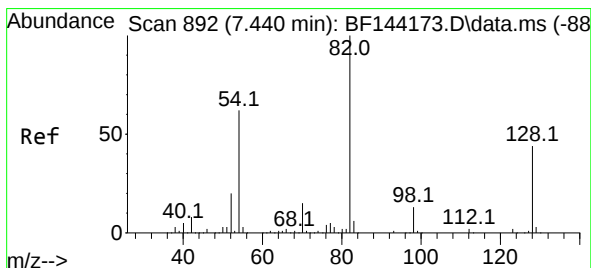
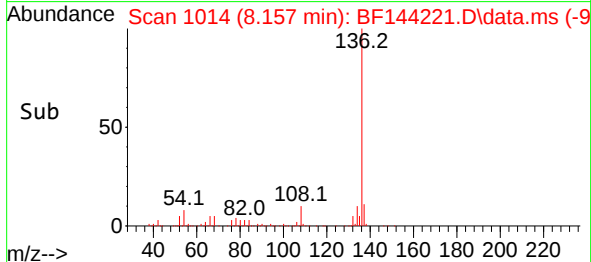
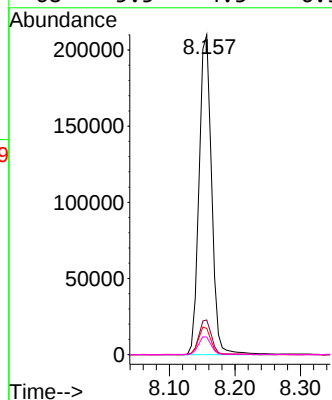
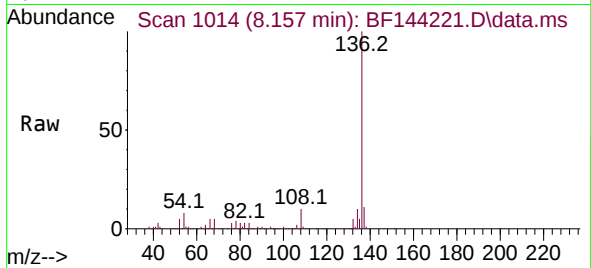


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Instrument :
BNA_F
ClientSampleId :
TR-06-11072025

Tgt Ion:136 Resp: 277551

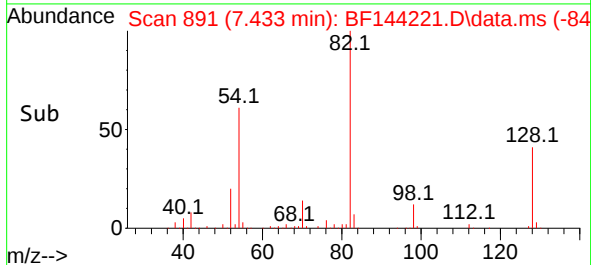
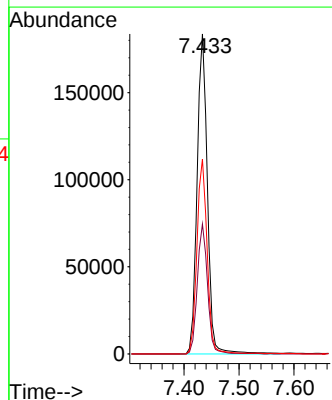
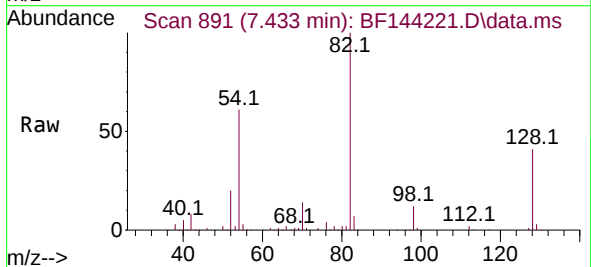
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	7.0	10.6
68	5.5	4.3	6.5

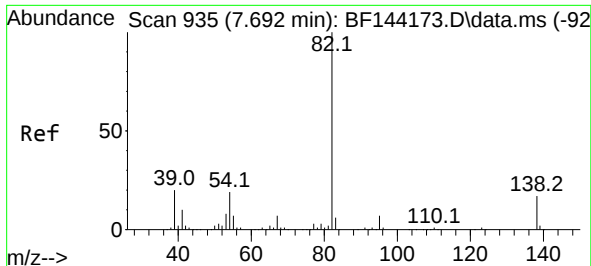


#23
Nitrobenzene-d5
Concen: 49.713 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion: 82 Resp: 238905

Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.7	52.1
54	60.9	49.5	74.3

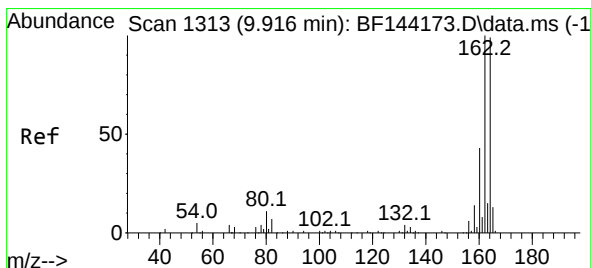
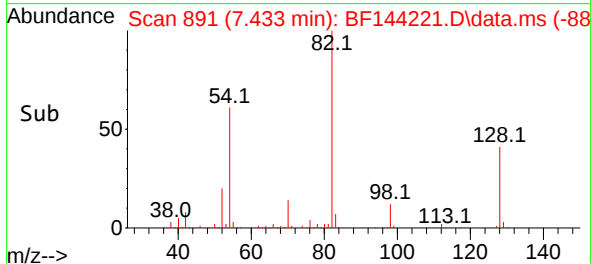
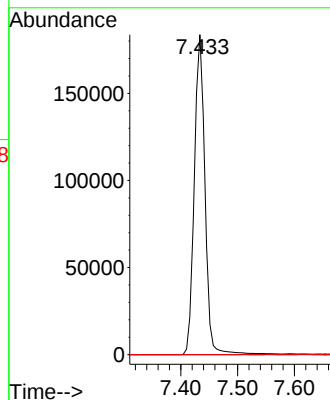
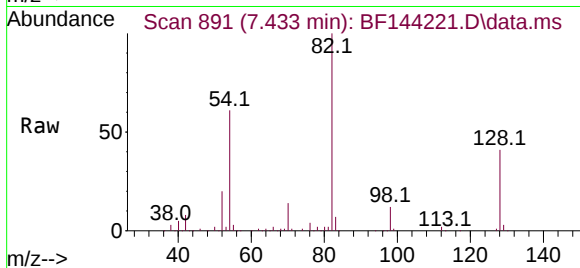




#25
Isophorone
Concen: 26.282 ng
RT: 7.433 min Scan# 89
Delta R.T. -0.253 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

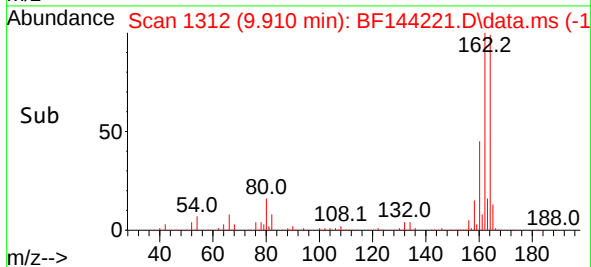
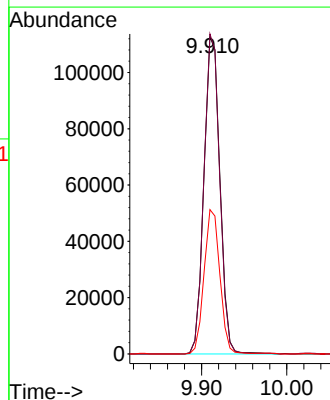
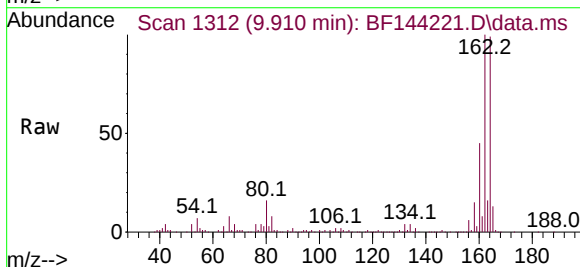
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025

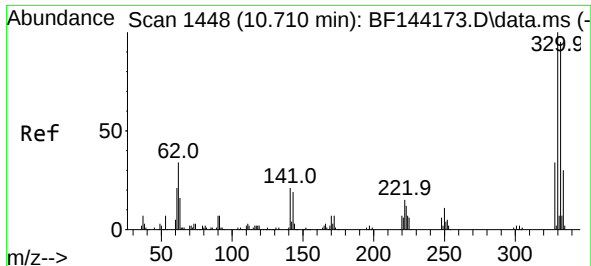
Tgt Ion: 82 Resp: 238903
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion:164 Resp: 146485
Ion Ratio Lower Upper
164 100
162 100.9 81.1 121.7
160 45.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 58.778 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025

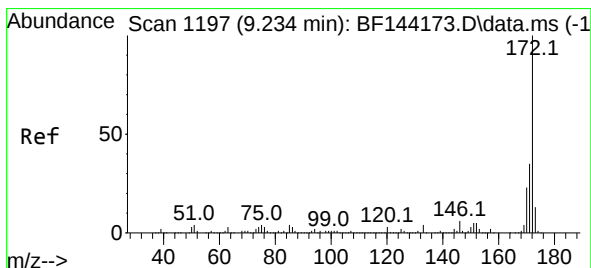
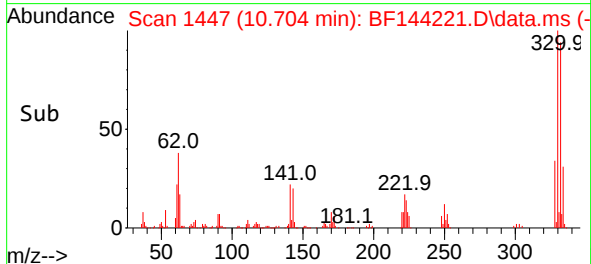
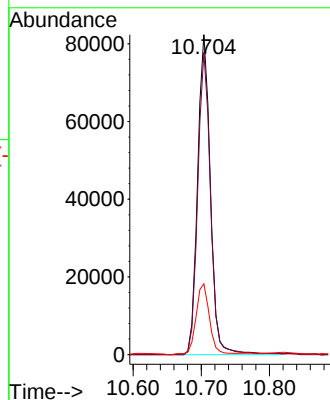
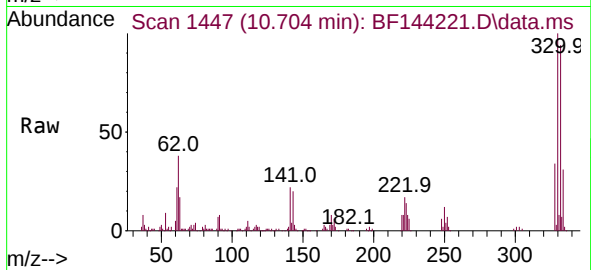
Tgt Ion:330 Resp: 108046

Ion Ratio Lower Upper

330 100

332 93.5 76.7 115.1

141 23.2 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 50.104 ng

RT: 9.227 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

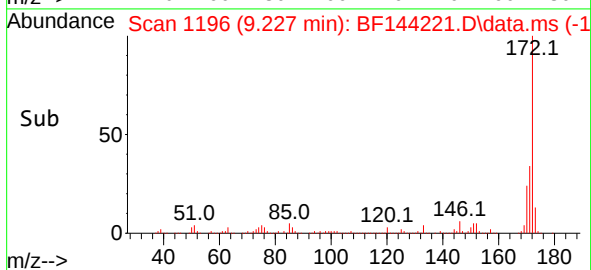
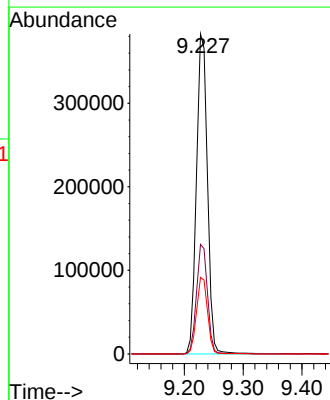
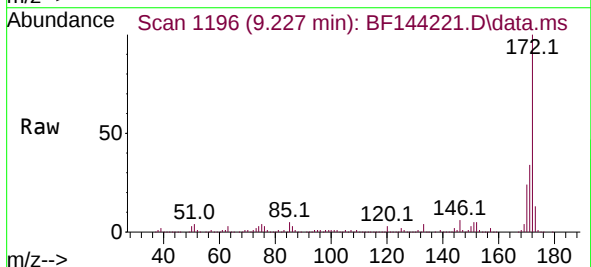
Tgt Ion:172 Resp: 496938

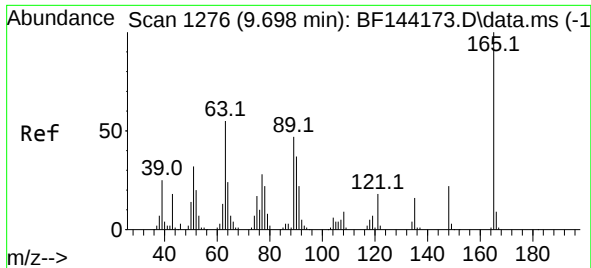
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.9 18.6 28.0

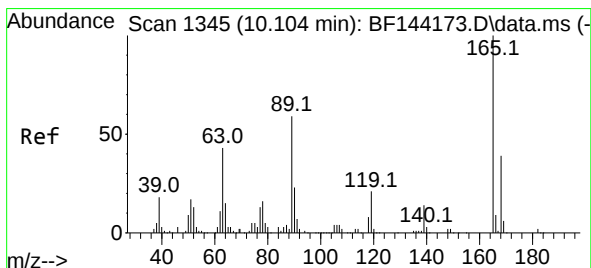
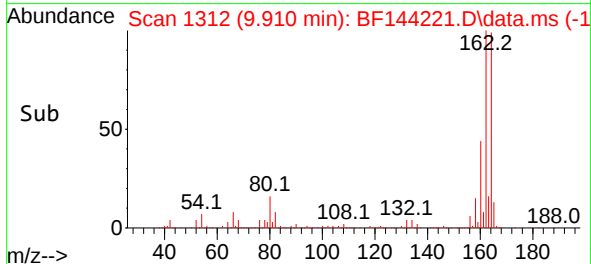
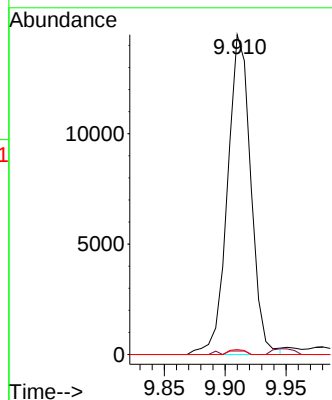
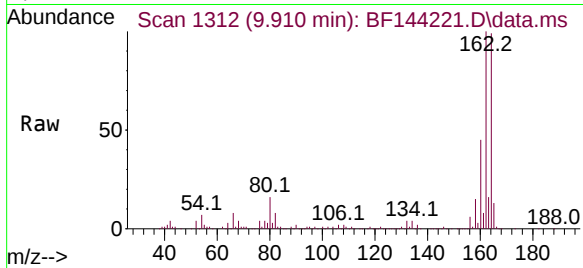




#51
2,6-Dinitrotoluene
Concen: 9.827 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.217 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

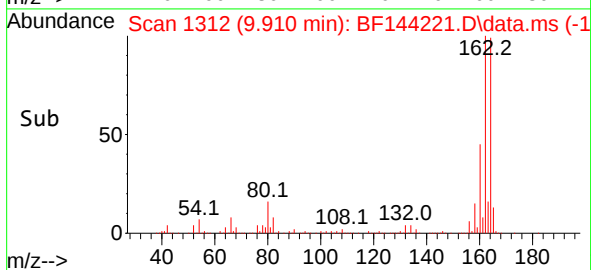
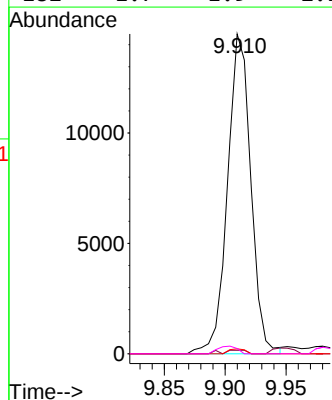
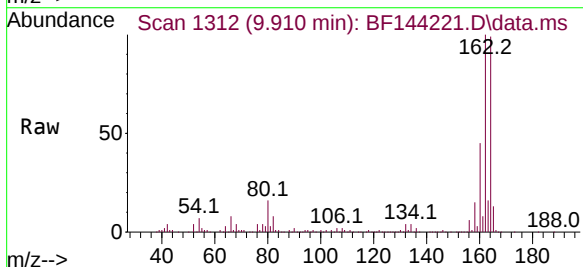
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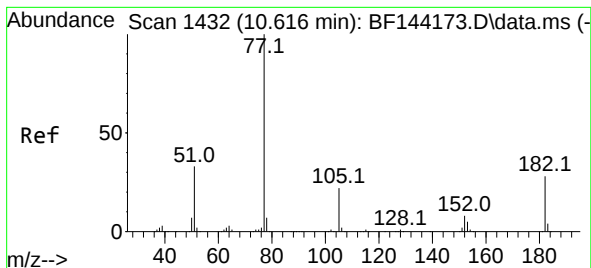
Tgt Ion:165 Resp: 19304
Ion Ratio Lower Upper
165 100
63 1.1 43.8 65.8#
89 1.6 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.340 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion:165 Resp: 19304
Ion Ratio Lower Upper
165 100
63 1.1 35.5 53.3#
89 1.6 47.4 71.2#
182 1.7 1.9 2.9#





#63

Azobenzene

Concen: 2.815 ng

RT: 10.627 min Scan# 14

Delta R.T. 0.012 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025

Tgt Ion: 77 Resp: 23437

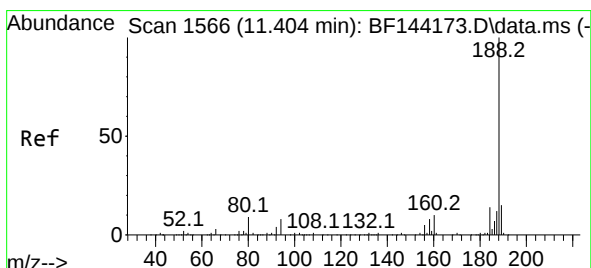
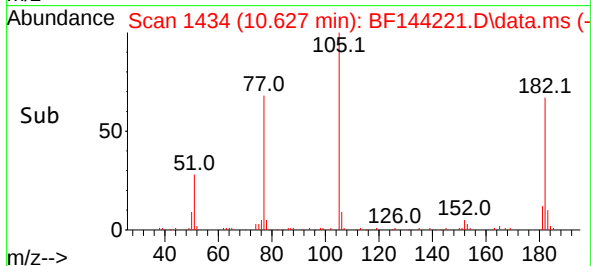
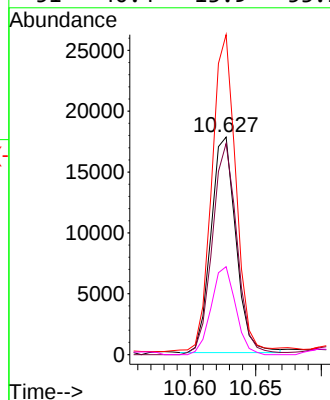
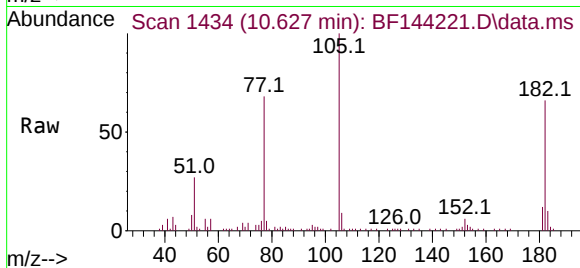
Ion Ratio Lower Upper

77 100

182 97.1 8.1 48.1#

105 147.1 2.0 42.0#

51 40.4 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

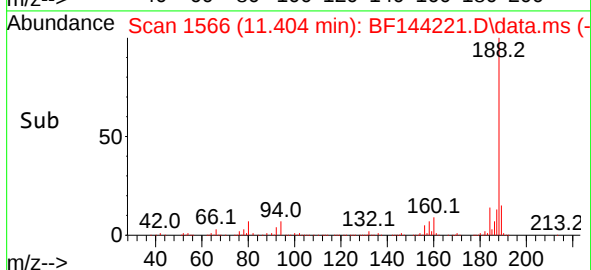
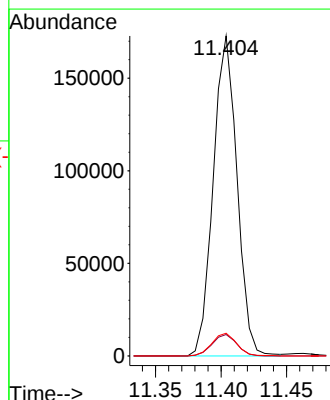
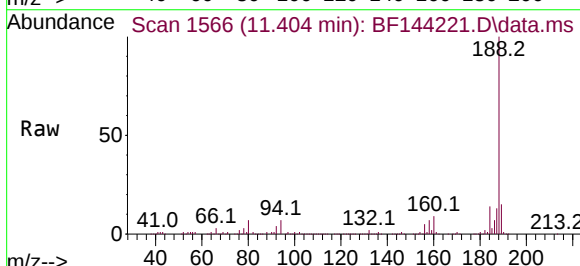
Tgt Ion: 188 Resp: 218101

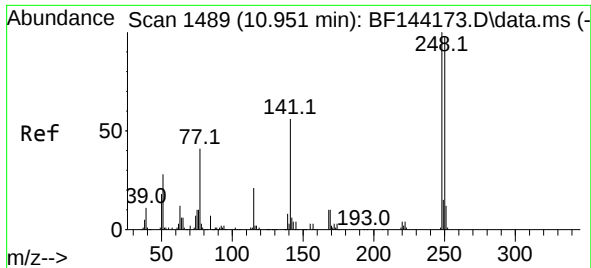
Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.2

80 7.1 6.9 10.3

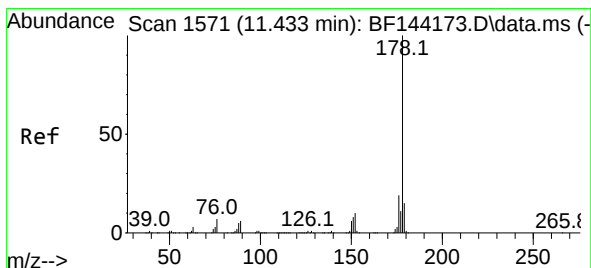
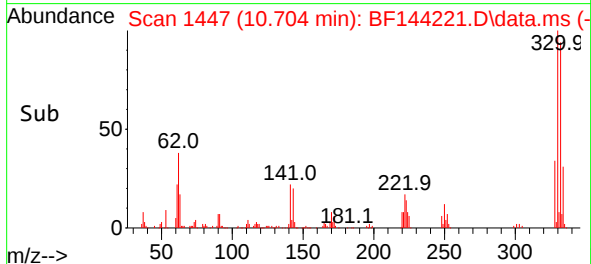
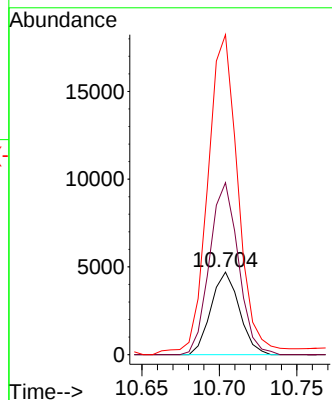
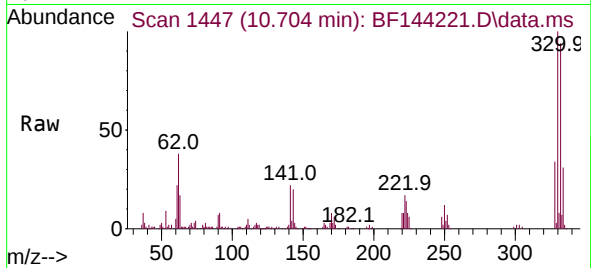




#67
4-Bromophenyl-phenylether
Concen: 2.156 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

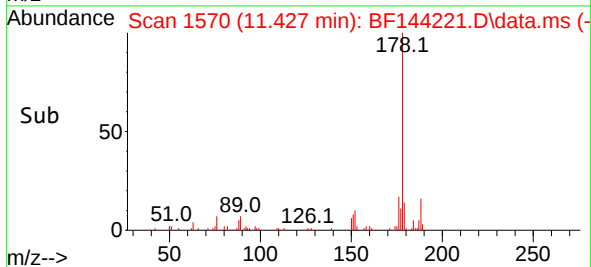
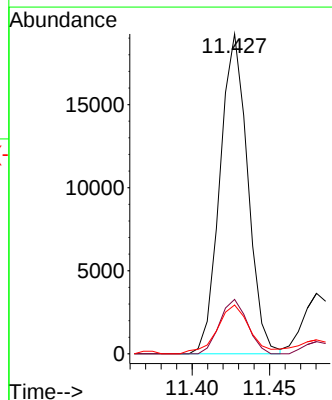
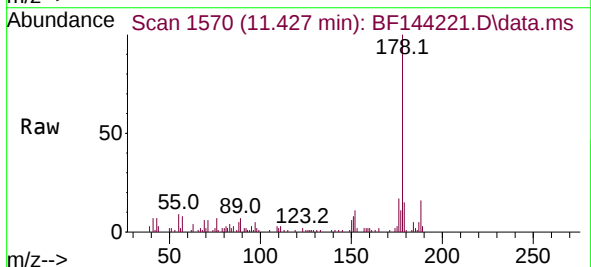
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025

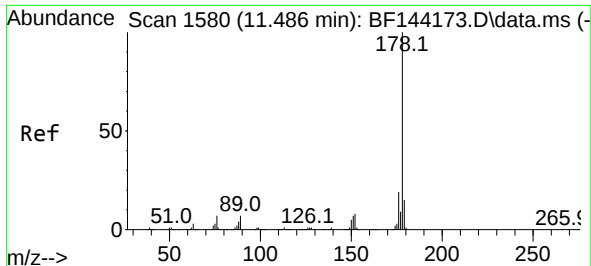
Tgt Ion:248 Resp: 6001
Ion Ratio Lower Upper
248 100
250 208.4 78.4 117.6#
141 387.7 45.1 67.7#



#71
Phenanthrene
Concen: 2.216 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion:178 Resp: 24065
Ion Ratio Lower Upper
178 100
176 17.0 15.5 23.3
179 15.3 12.2 18.4

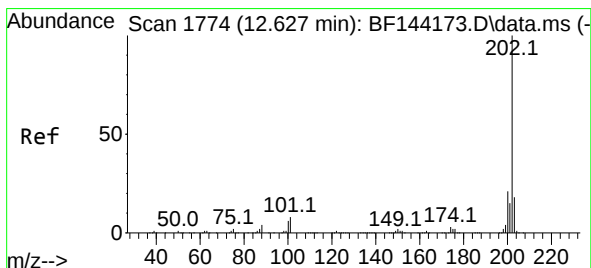
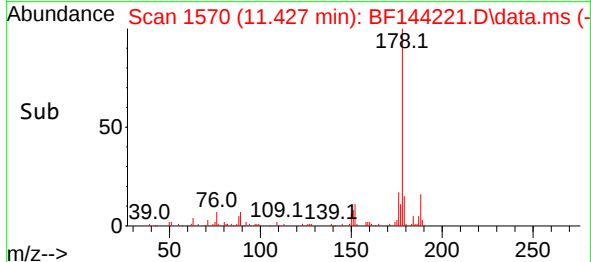
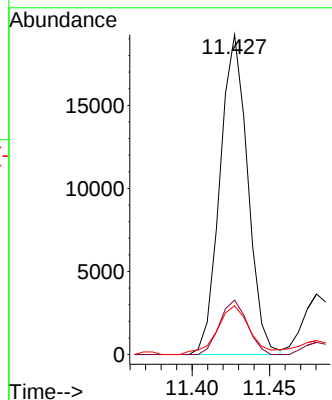
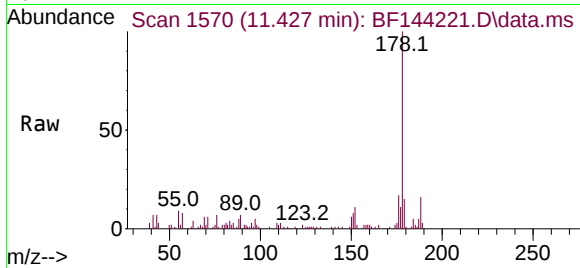




#72
 Anthracene
 Concen: 2.179 ng
 RT: 11.427 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

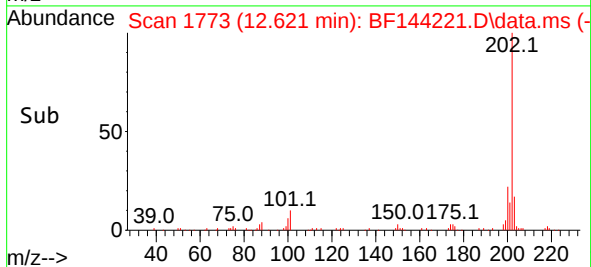
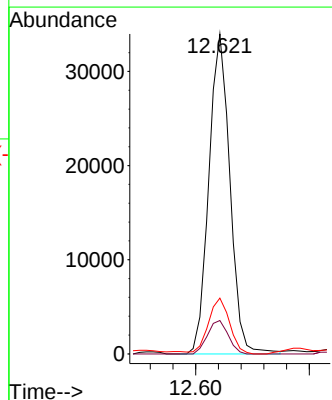
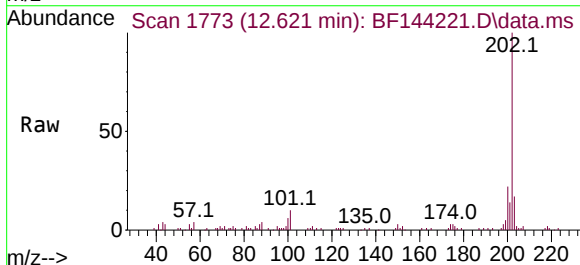
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025

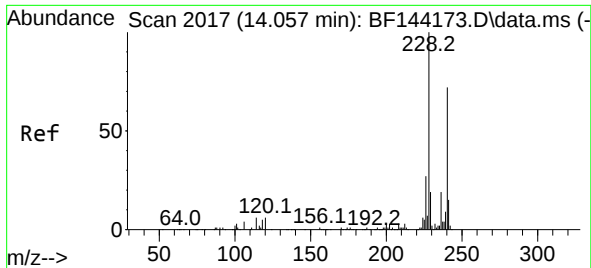
Tgt Ion:178	Resp:	24065
Ion Ratio	Lower	Upper
178	100	
176	17.0	15.3 22.9
179	15.3	12.0 18.0



#75
 Fluoranthene
 Concen: 3.904 ng
 RT: 12.621 min Scan# 1773
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

Tgt Ion:202	Resp:	43796
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 27.9
203	17.4	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025

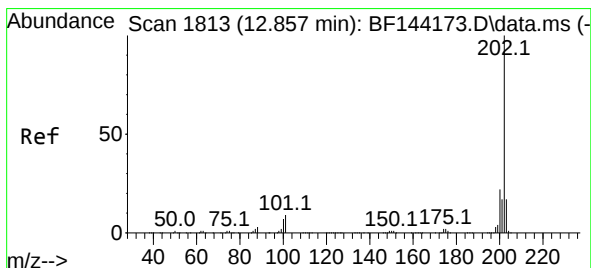
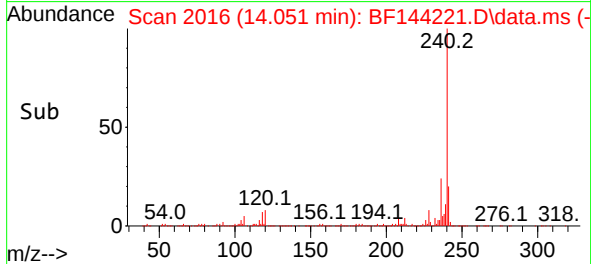
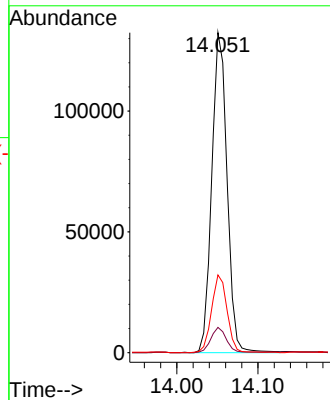
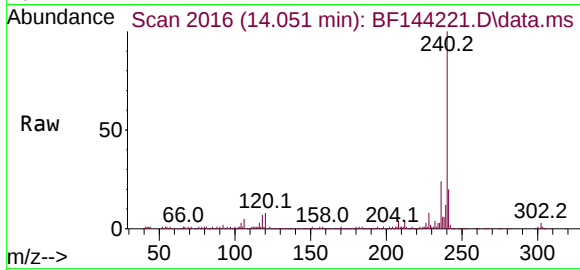
Tgt Ion:240 Resp: 173666

Ion Ratio Lower Upper

240 100

120 7.9 6.6 10.0

236 24.3 21.4 32.2



#78

Pyrene

Concen: 2.812 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

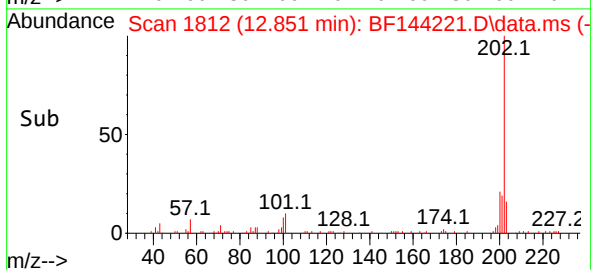
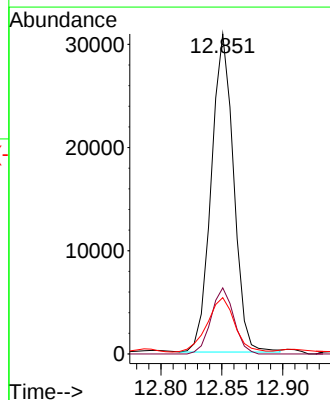
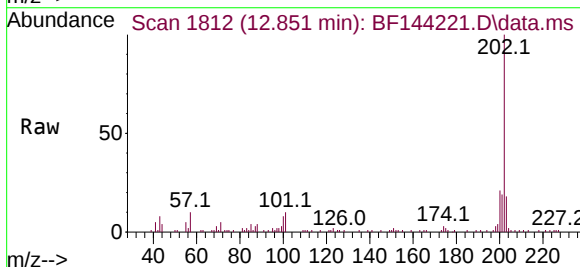
Tgt Ion:202 Resp: 39379

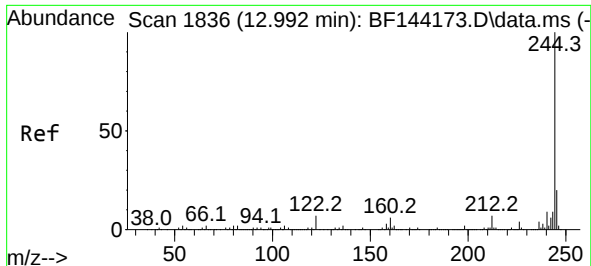
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 17.6 13.7 20.5

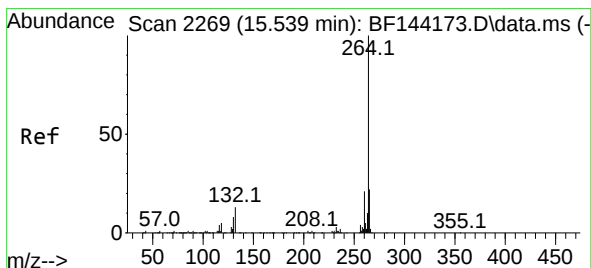
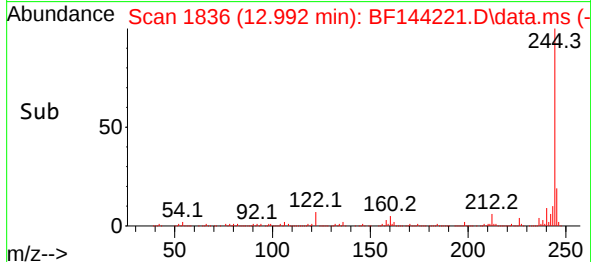
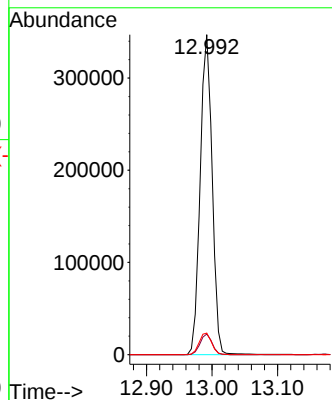
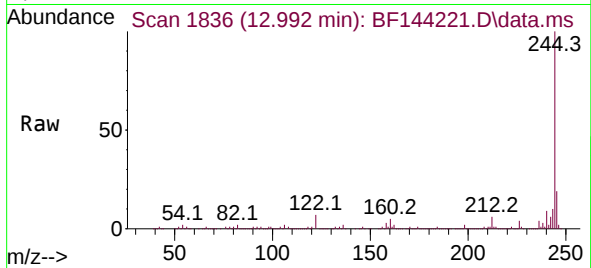




#79
 Terphenyl-d14
 Concen: 39.927 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

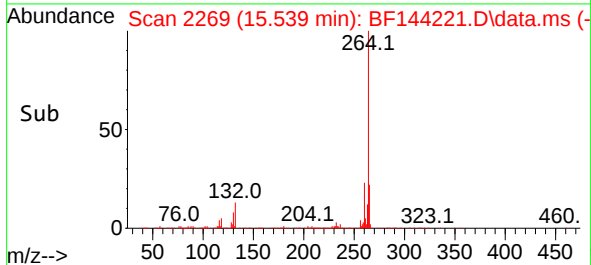
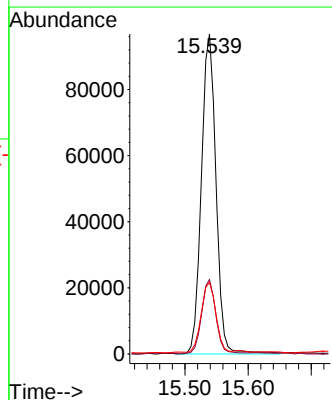
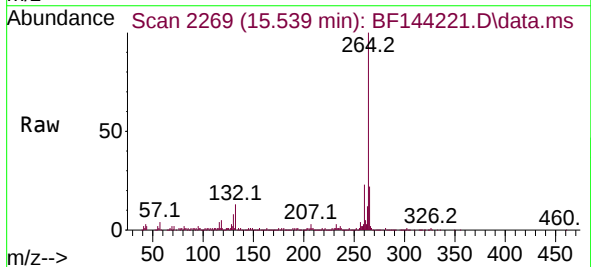
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025

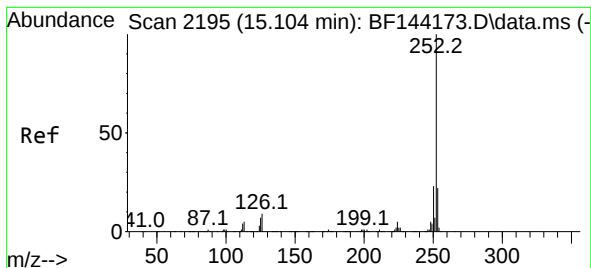
Tgt Ion:244 Resp: 436541
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

Tgt Ion:264 Resp: 155628
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.1 25.7
 265 22.4 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.623 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025

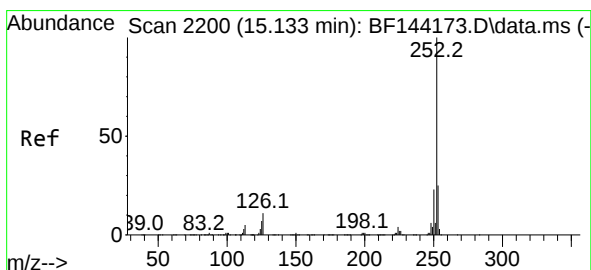
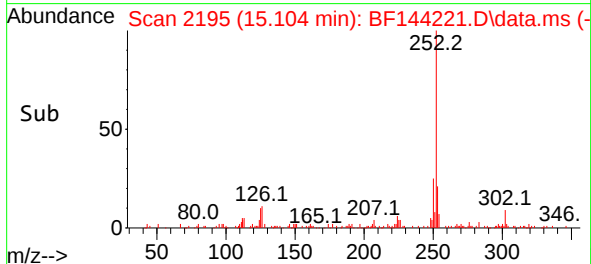
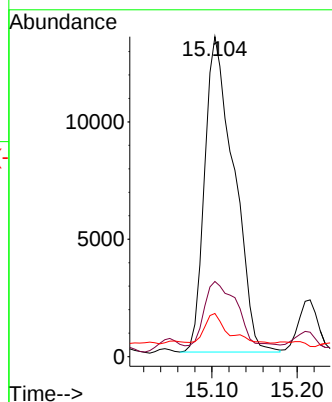
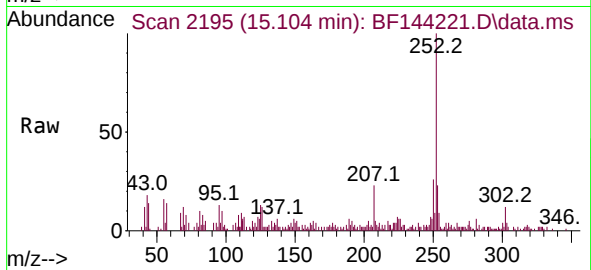
Tgt Ion:252 Resp: 32054

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 13.5 5.3 7.9#



#89

Benzo(k)fluoranthene

Concen: 3.871 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

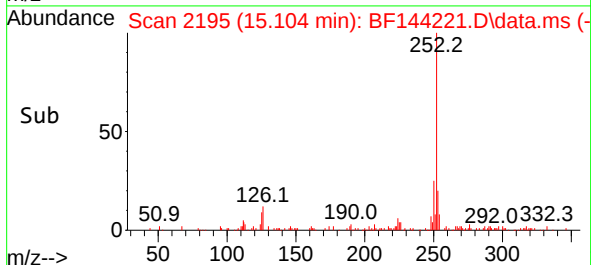
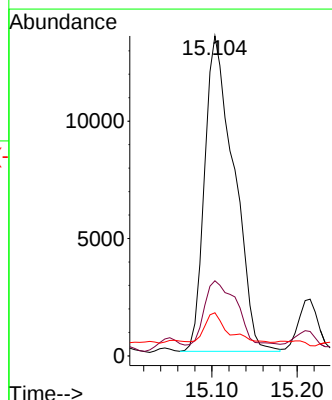
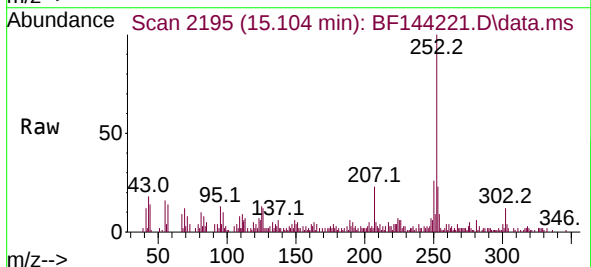
Tgt Ion:252 Resp: 32054

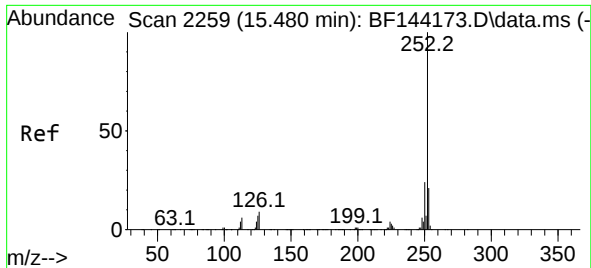
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

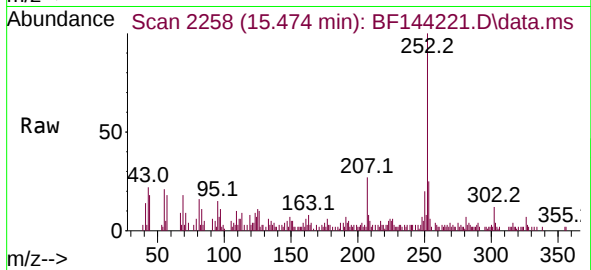
125 13.5 5.4 8.2#





#90
 Benzo(a)pyrene
 Concen: 2.005 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF144221.D
 Acq: 12 Nov 2025 00:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025



Tgt Ion:252 Resp: 16366
 Ion Ratio Lower Upper
 252 100
 253 24.9 16.7 25.1
 125 10.9 5.7 8.5#

