

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142953.D
 Acq On : 01 Jul 2025 16:58
 Operator : RC/JU
 Sample : Q2469-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 01 17:17:46 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)

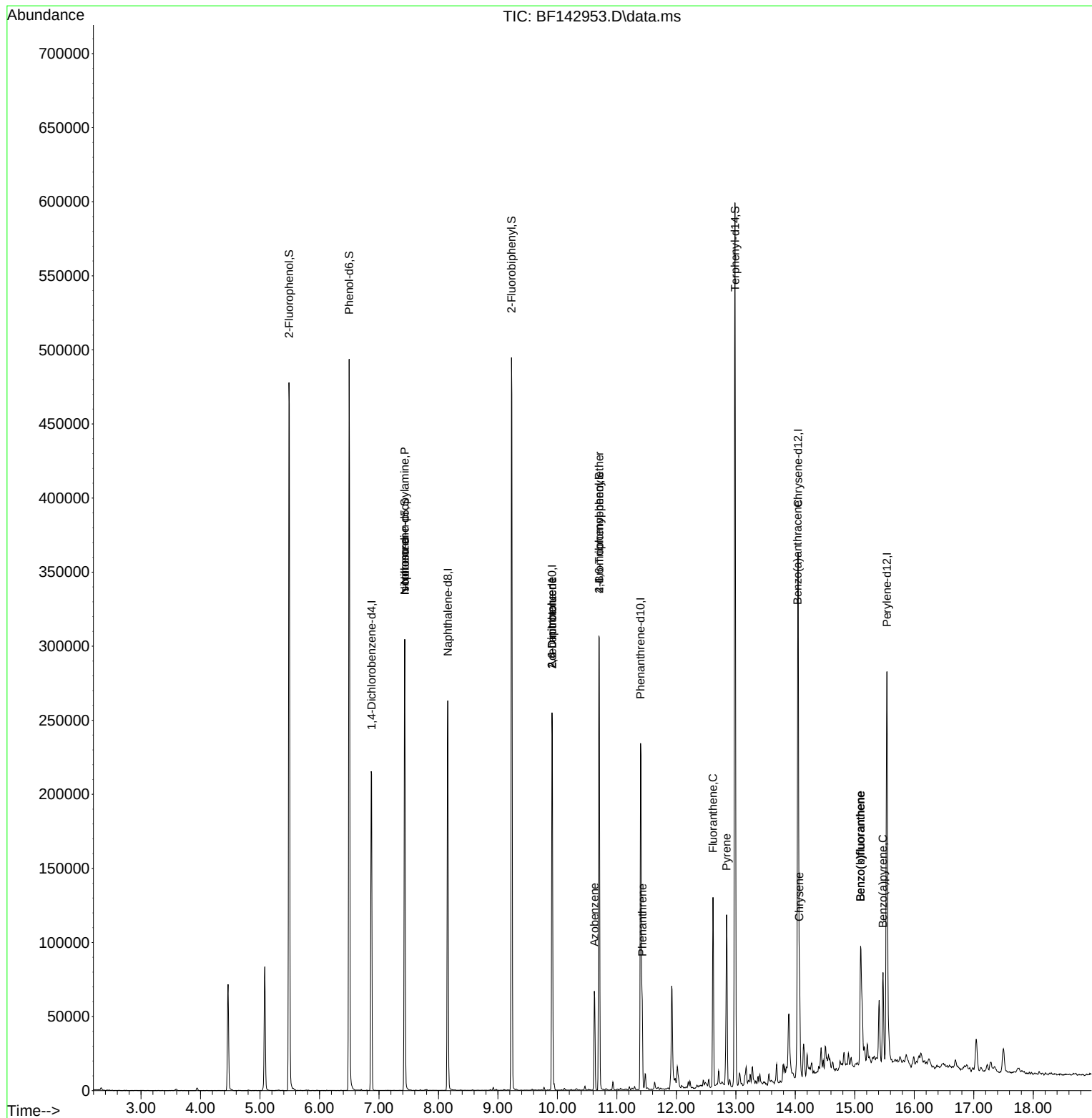
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49955	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	171087	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	78854	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	125501	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	139974	20.000	ng	-0.01
86) Perylene-d12	15.539	264	151029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	188639	62.871	ng	0.00
7) Phenol-d6	6.498	99	220887	62.399	ng	-0.01
23) Nitrobenzene-d5	7.434	82	124425	39.891	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	53608	66.064	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	225956	37.643	ng	-0.02
79) Terphenyl-d14	12.986	244	281541	27.791	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	16730	8.126	ng	# 75
25) Isophorone	7.434	82	124423	24.867	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	9958	8.884	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	9958	6.688	ng	# 26
63) Azobenzene	10.622	77	16424	3.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	3630	2.541	ng	# 1
71) Phenanthrene	11.427	178	34719	5.107	ng	99
75) Fluoranthene	12.616	202	72821	11.287	ng	100
78) Pyrene	12.845	202	68347	5.209	ng	98
81) Benzo(a)anthracene	14.039	228	47123	4.990	ng	97
83) Chrysene	14.068	228	32838	3.897	ng	96
88) Benzo(b)fluoranthene	15.098	252	70783	8.099	ng	99
89) Benzo(k)fluoranthene	15.098	252	70783	8.657	ng	99
90) Benzo(a)pyrene	15.474	252	36814	4.360	ng	99

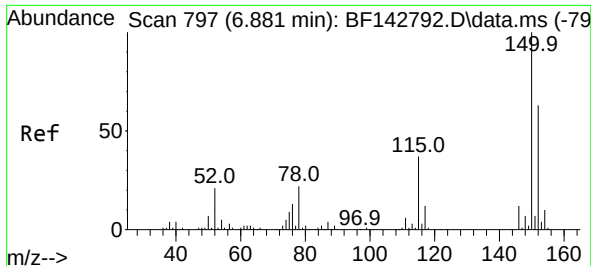
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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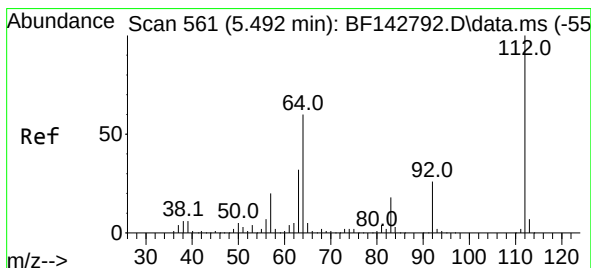
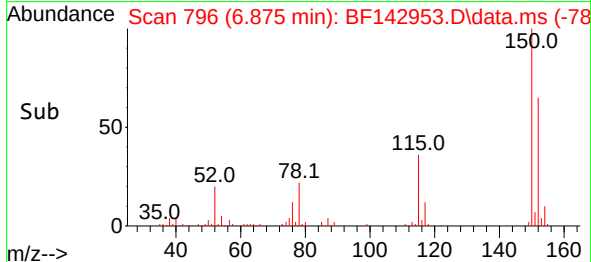
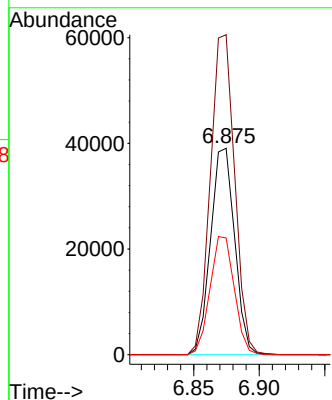
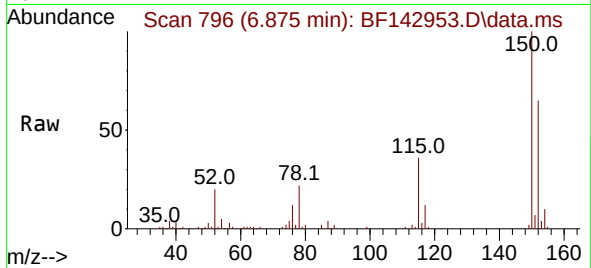




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142953.D
 Acq: 01 Jul 2025 16:58

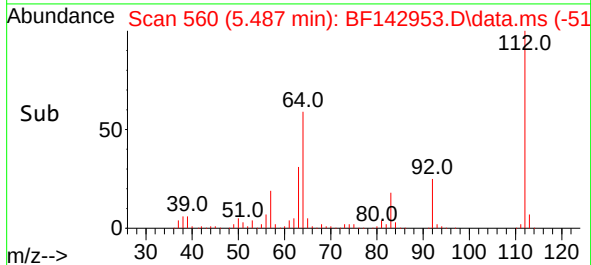
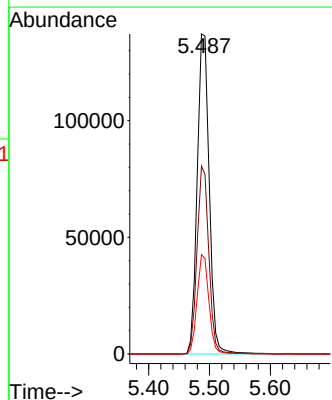
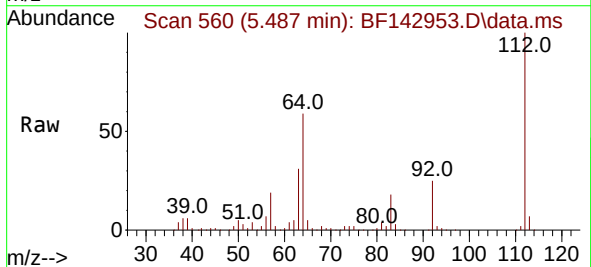
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

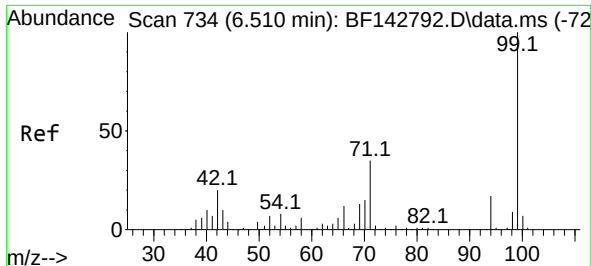
Tgt Ion:152 Resp: 49955
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.2 190.8
 115 56.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 62.871 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142953.D
 Acq: 01 Jul 2025 16:58

Tgt Ion:112 Resp: 188639
 Ion Ratio Lower Upper
 112 100
 64 58.7 48.2 72.2
 63 31.1 25.7 38.5

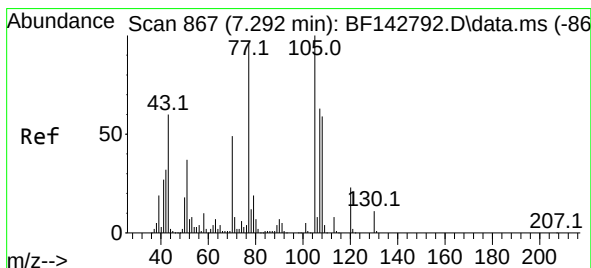
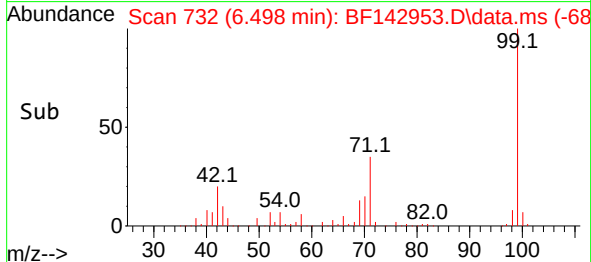
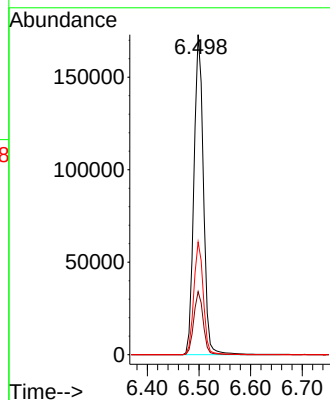
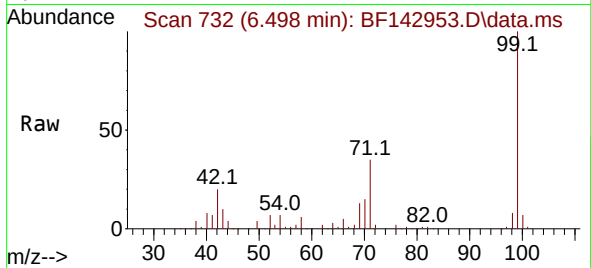




#7
Phenol-d6
Concen: 62.399 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

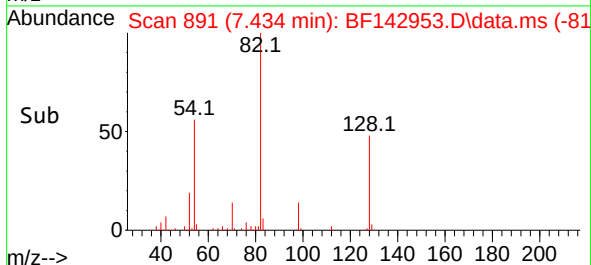
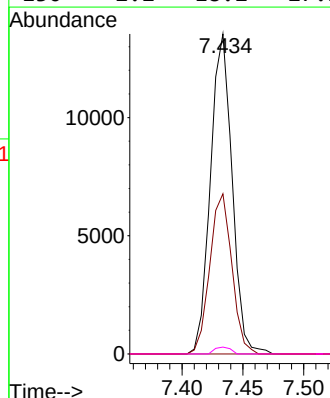
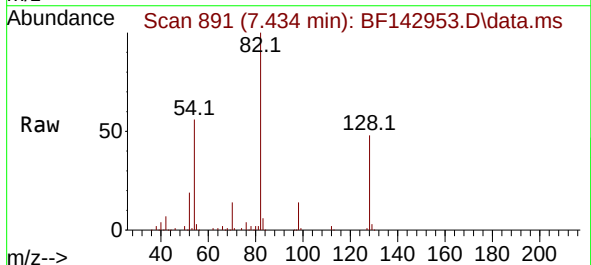
Instrument :
BNA_F
ClientSampleId :
WC-1

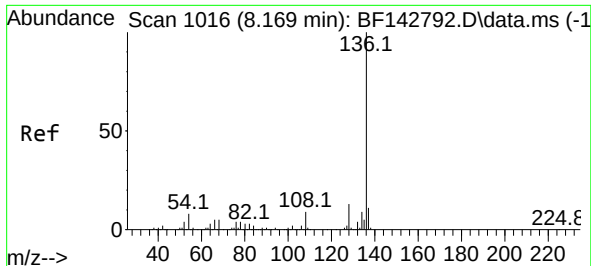
Tgt Ion: 99 Resp: 220887
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.126 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 70 Resp: 16730
Ion Ratio Lower Upper
70 100
42 50.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#



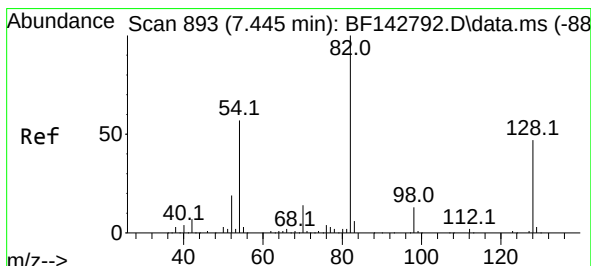
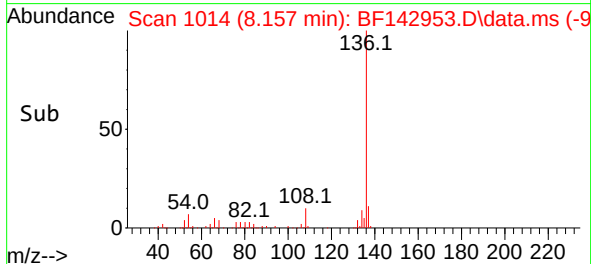
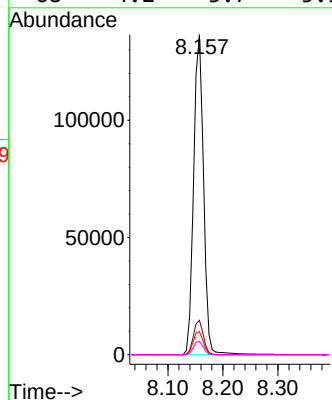
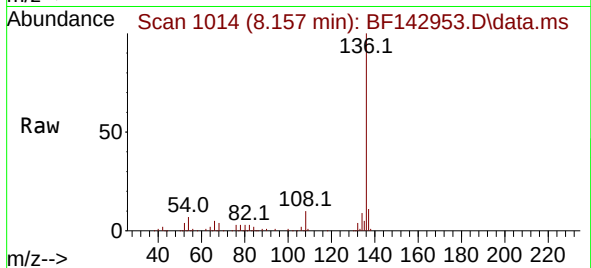


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 171087

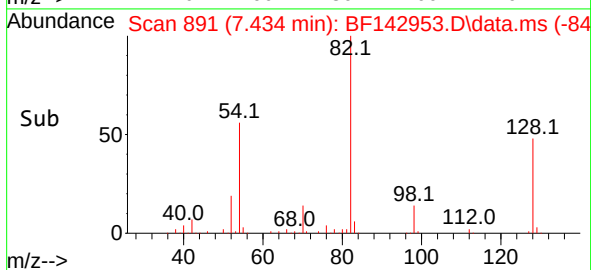
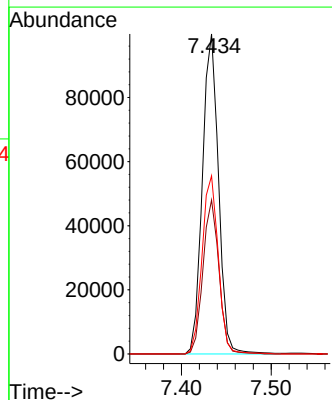
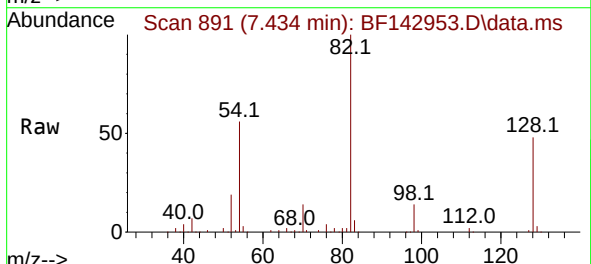
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5

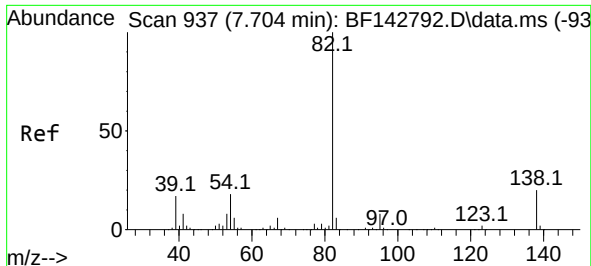


#23
Nitrobenzene-d5
Concen: 39.891 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 82 Resp: 124425

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.7	56.5
54	55.6	45.7	68.5

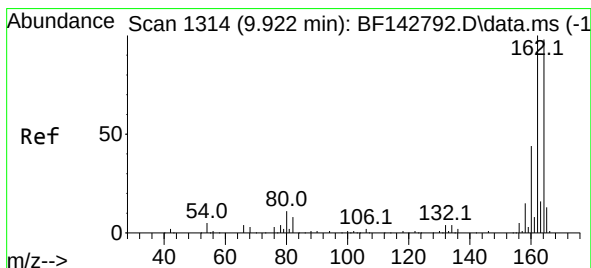
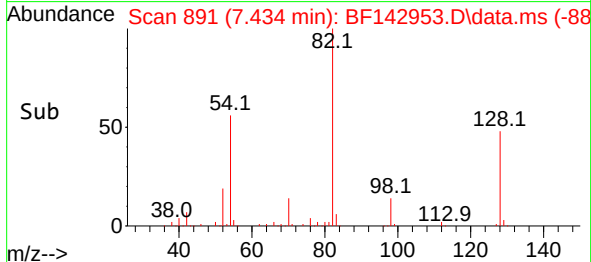
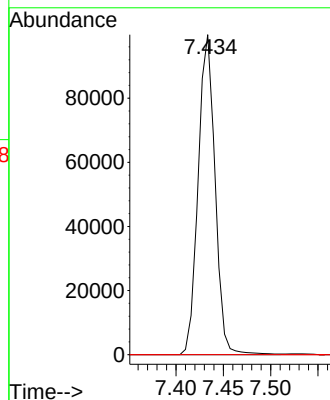
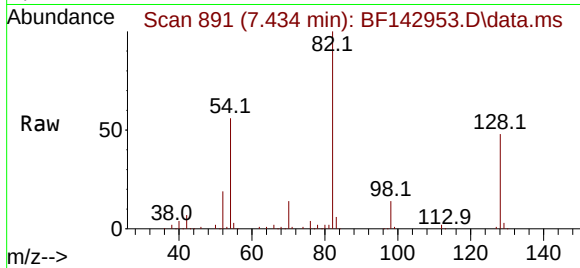




#25
Isophorone
Concen: 24.867 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

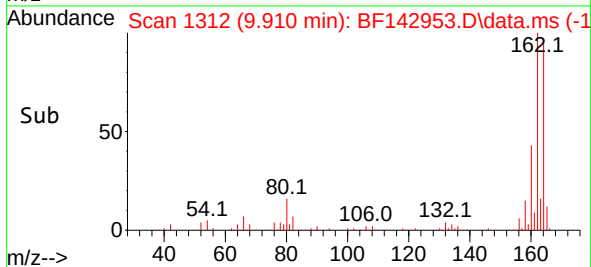
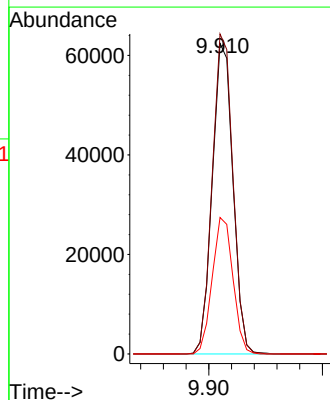
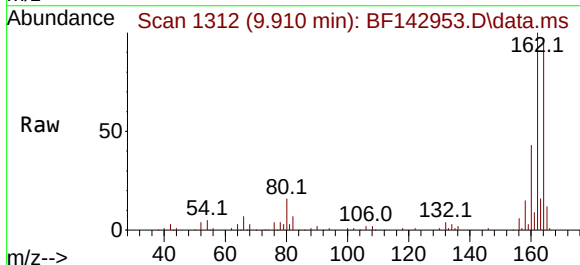
Instrument :
BNA_F
ClientSampleId :
WC-1

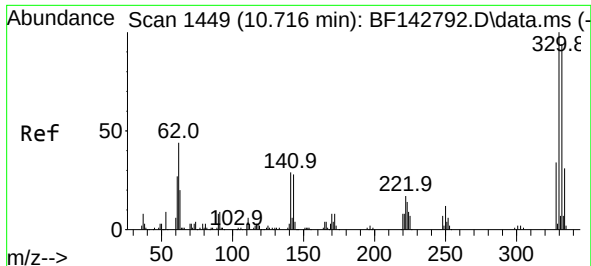
Tgt Ion: 82 Resp: 124423
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 164 Resp: 78854
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.8
160 44.0 36.0 54.0

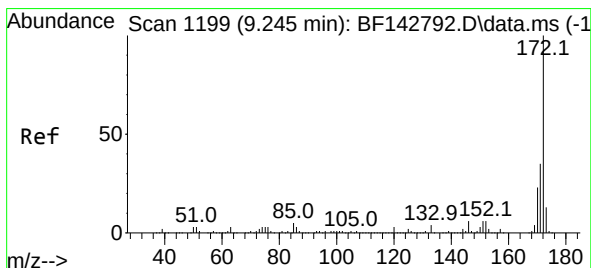
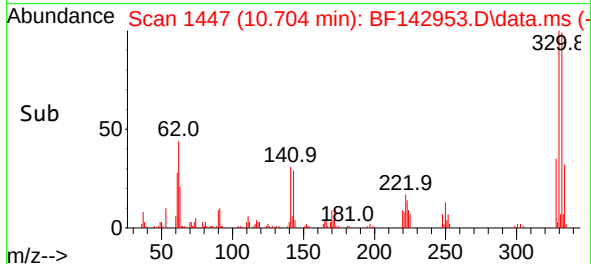
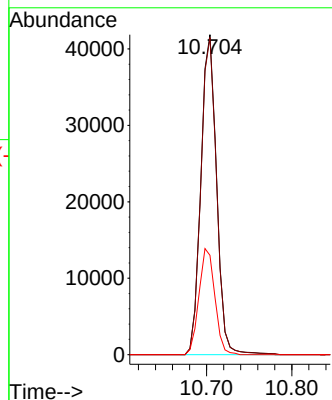
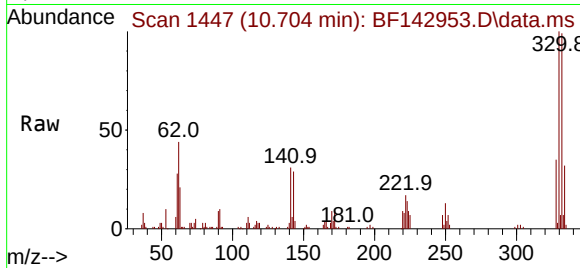




#42
2,4,6-Tribromophenol
Concen: 66.064 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

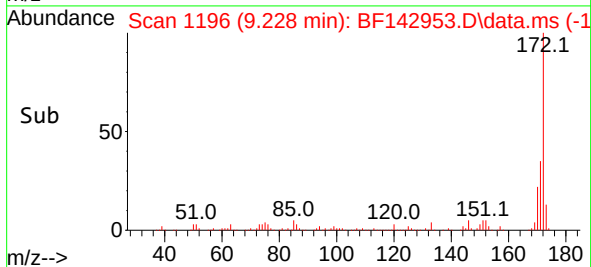
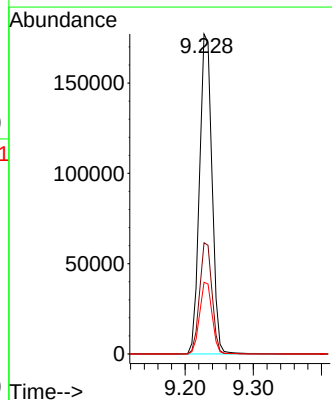
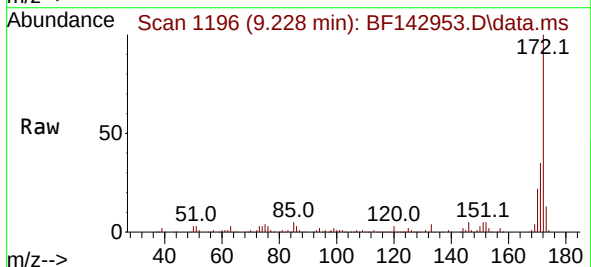
Instrument :
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ClientSampleId :
WC-1

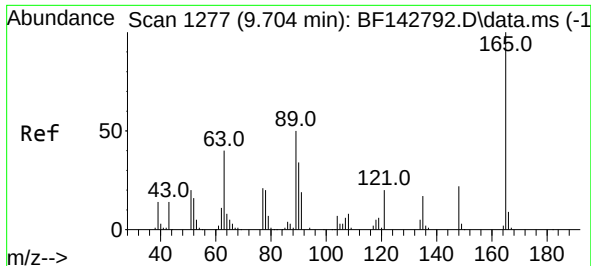
Tgt Ion: 330 Resp: 53608
Ion Ratio Lower Upper
330 100
332 99.1 75.0 112.6
141 33.6 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 37.643 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 172 Resp: 225956
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.4 18.5 27.7

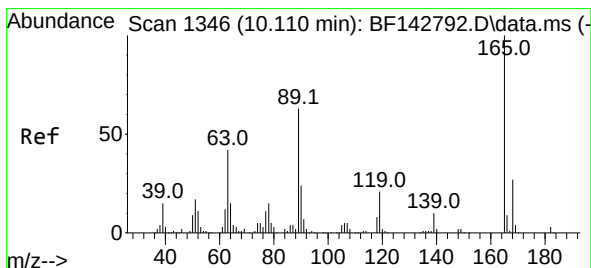
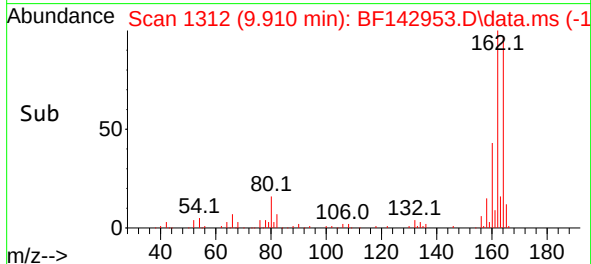
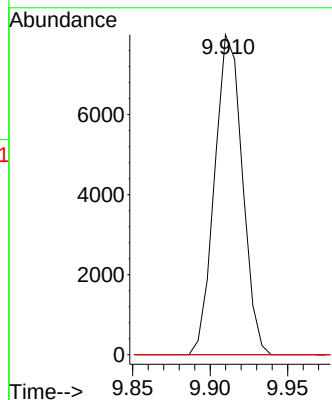
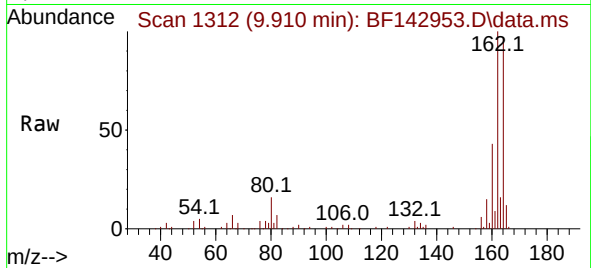




#51
2,6-Dinitrotoluene
Concen: 8.884 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

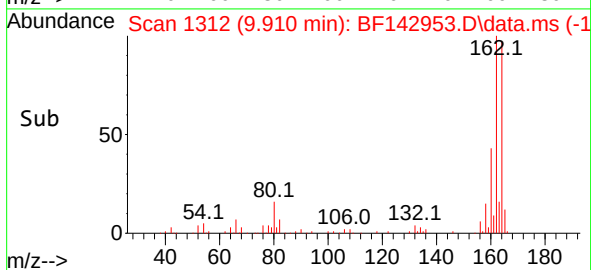
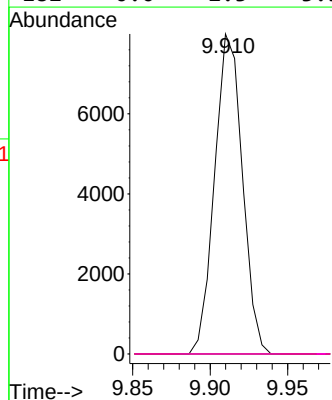
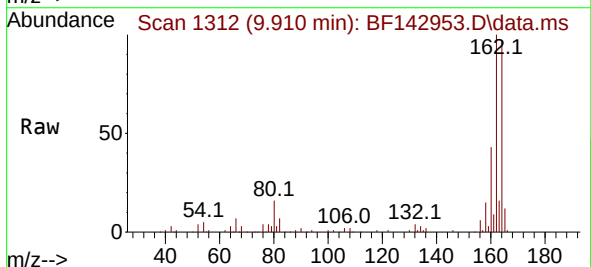
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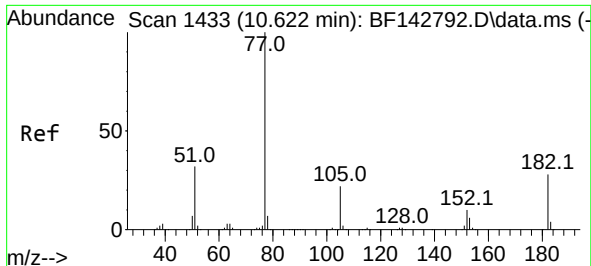
Tgt Ion:165 Resp: 9958
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.688 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:165 Resp: 9958
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#

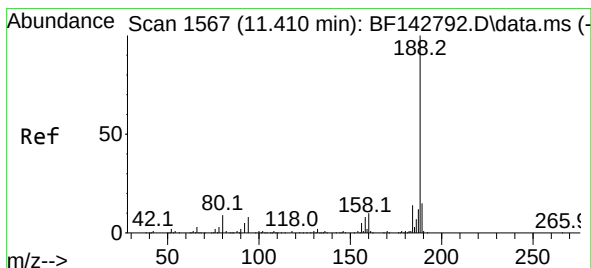
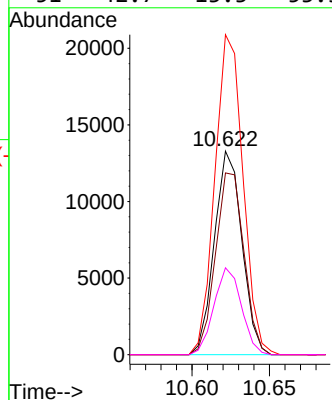
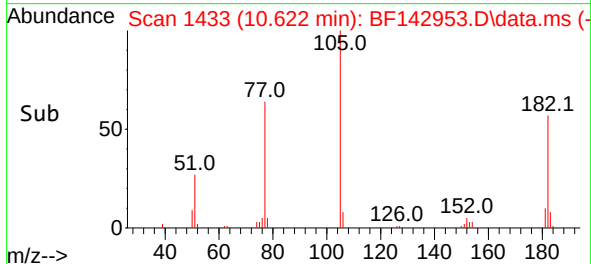
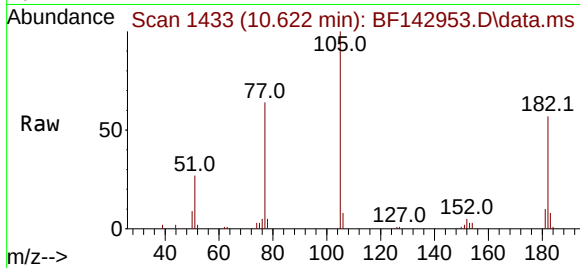




#63
Azobenzene
Concen: 3.672 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

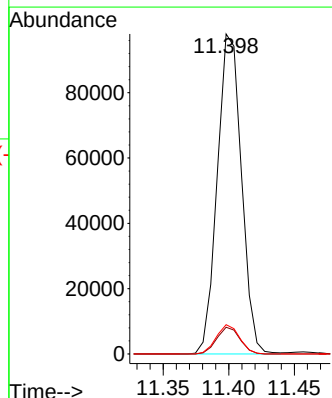
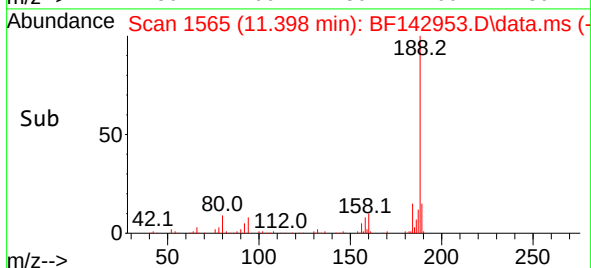
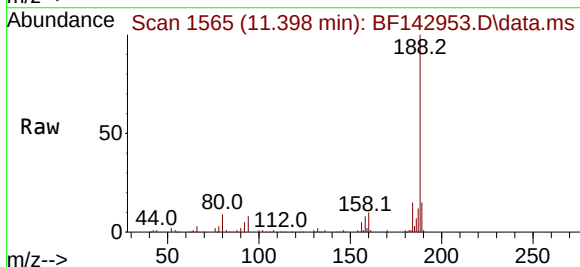
Instrument :
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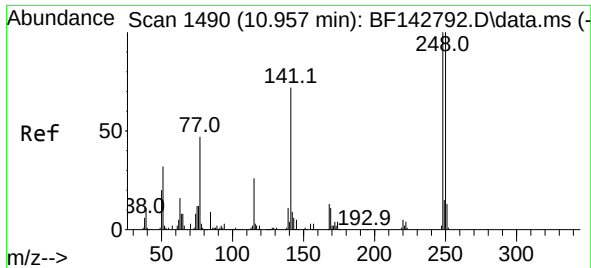
Tgt Ion: 77 Resp: 16424
Ion Ratio Lower Upper
77 100
182 89.3 7.7 47.7#
105 157.3 1.9 41.9#
51 42.7 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion: 188 Resp: 125501
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.1 6.9 10.3

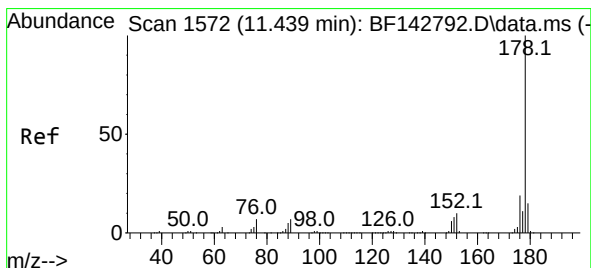
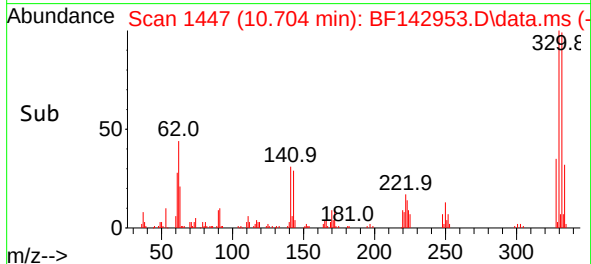
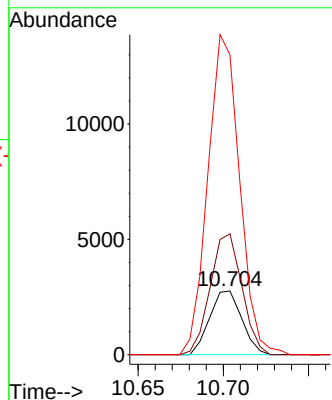
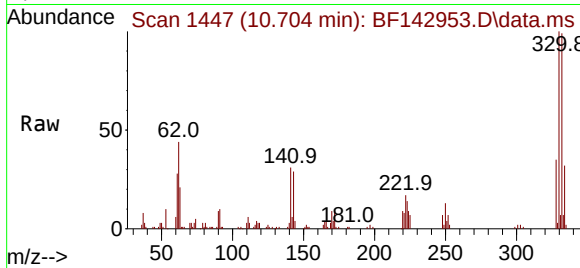




#67
4-Bromophenyl-phenylether
Concen: 2.541 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

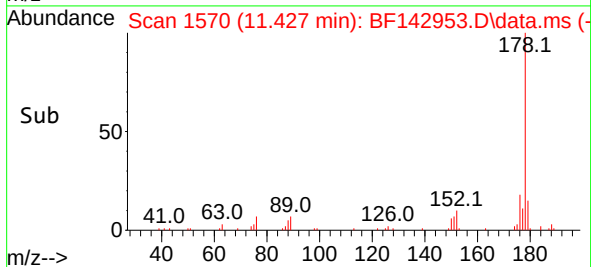
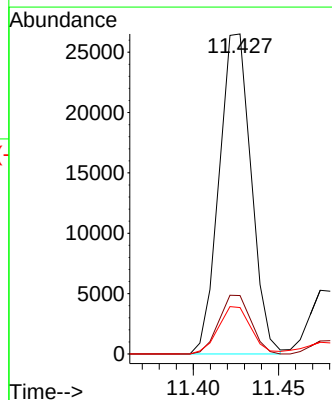
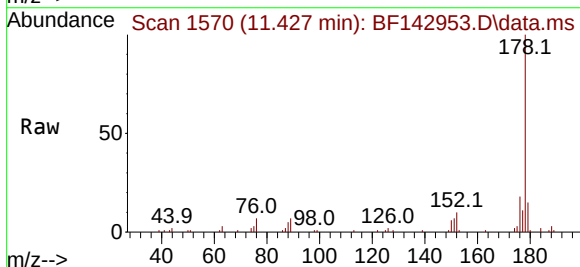
Instrument :
BNA_F
ClientSampleId :
WC-1

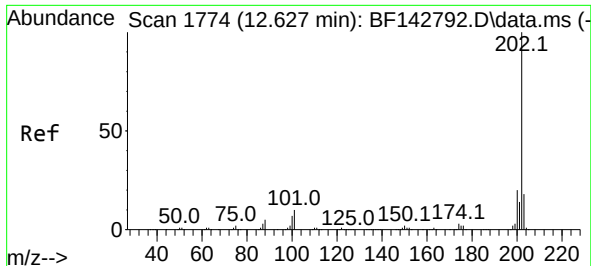
Tgt Ion:248 Resp: 3630
Ion Ratio Lower Upper
248 100
250 189.5 79.8 119.8#
141 470.6 57.8 86.6#



#71
Phenanthrene
Concen: 5.107 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:178 Resp: 34719
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.5 12.0 18.0

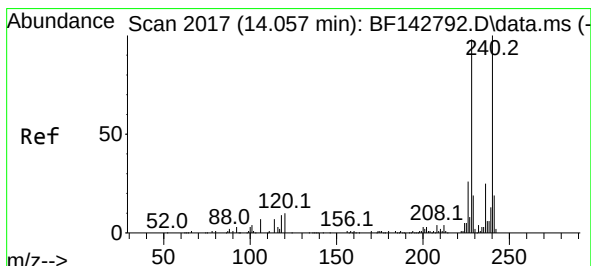
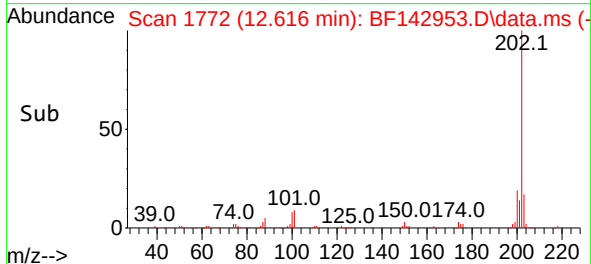
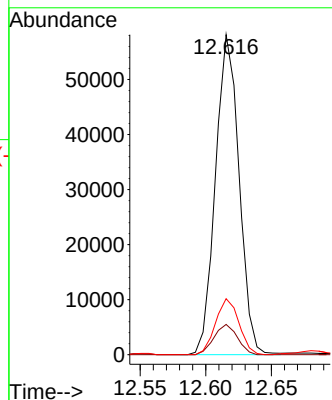
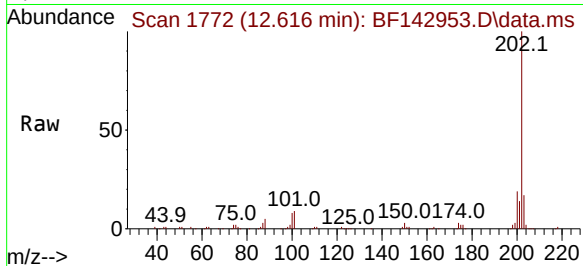




#75
Fluoranthene
Concen: 11.287 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

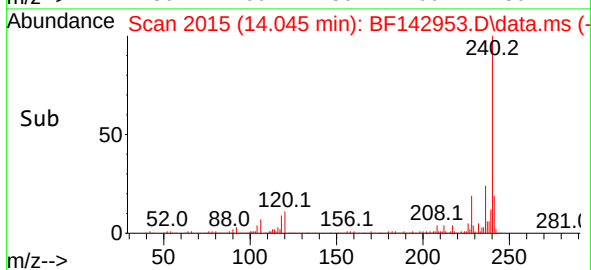
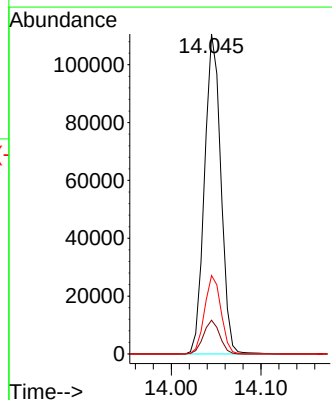
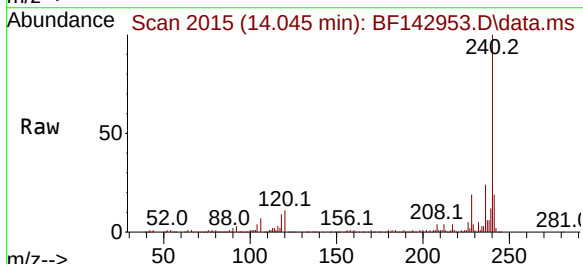
Instrument :
BNA_F
ClientSampleId :
WC-1

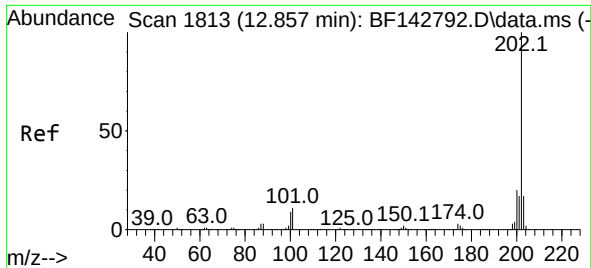
Tgt Ion:202 Resp: 72821
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:240 Resp: 139974
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 24.5 19.8 29.8

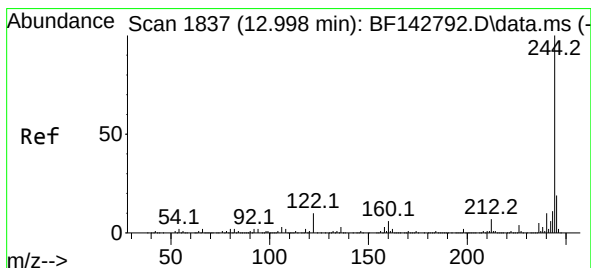
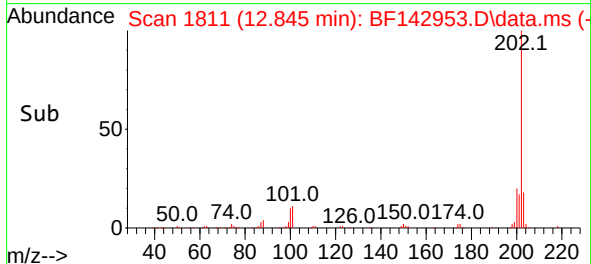
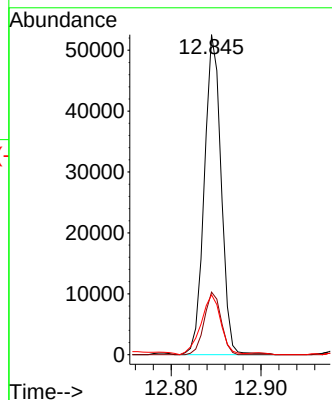
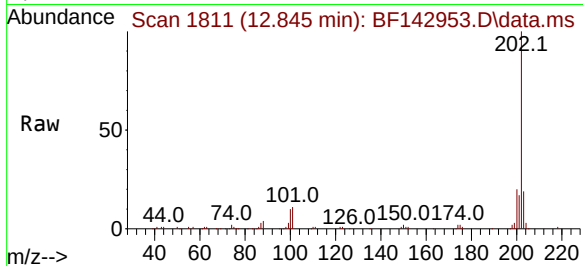




#78
Pyrene
Concen: 5.209 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

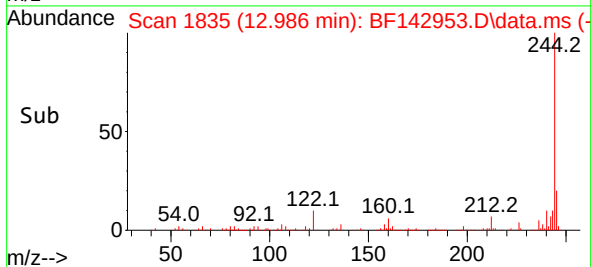
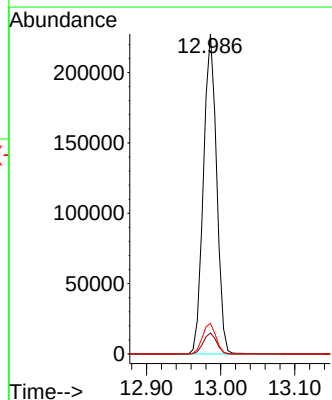
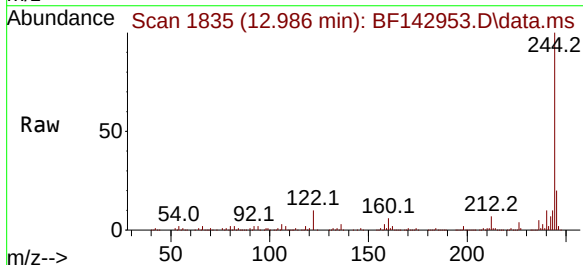
Instrument :
BNA_F
ClientSampleId :
WC-1

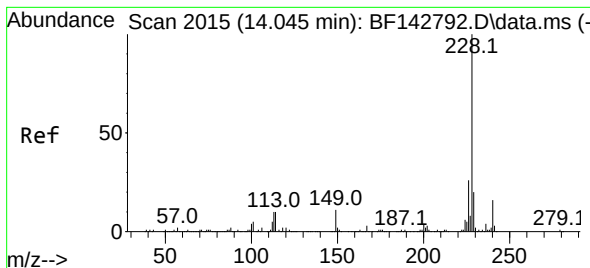
Tgt Ion:202 Resp: 68347
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 18.7 13.8 20.6



#79
Terphenyl-d14
Concen: 27.791 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142953.D
Acq: 01 Jul 2025 16:58

Tgt Ion:244 Resp: 281541
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.6 8.2 12.2





#81

Benzo(a)anthracene

Concen: 4.990 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

WC-1

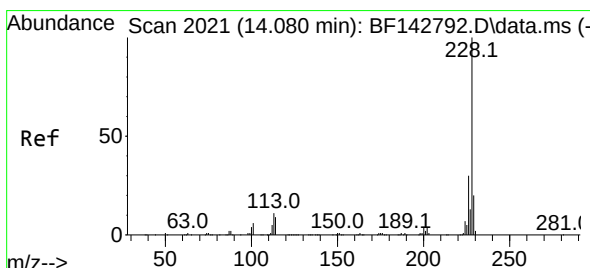
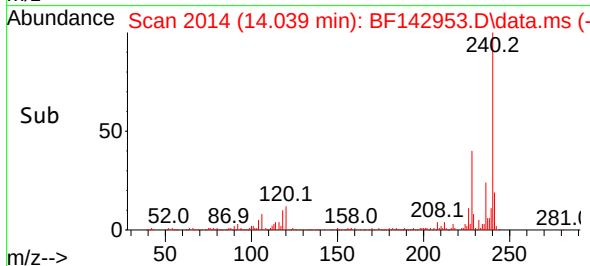
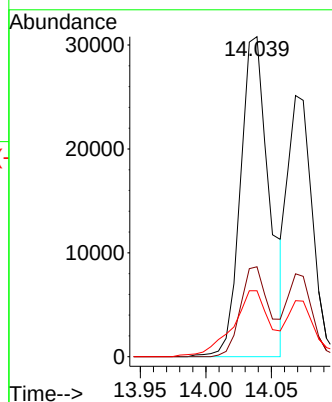
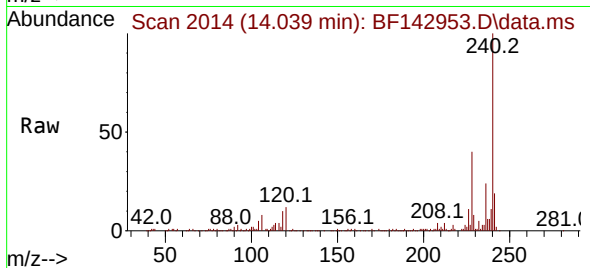
Tgt Ion:228 Resp: 47123

Ion Ratio Lower Upper

228 100

226 28.1 21.2 31.8

229 20.6 15.6 23.4



#83

Chrysene

Concen: 3.897 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

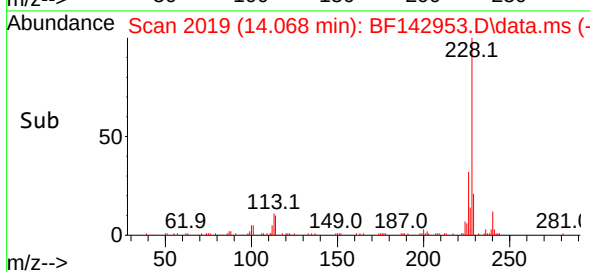
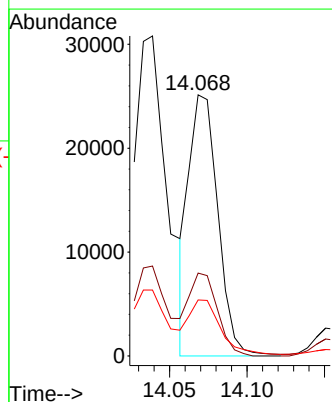
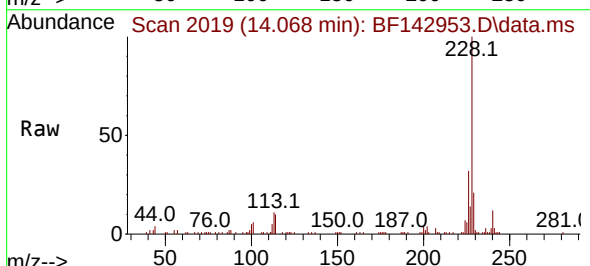
Tgt Ion:228 Resp: 32838

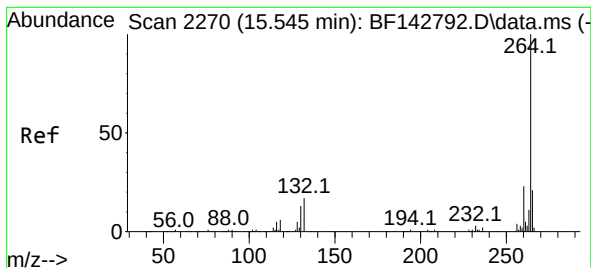
Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

229 21.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

WC-1

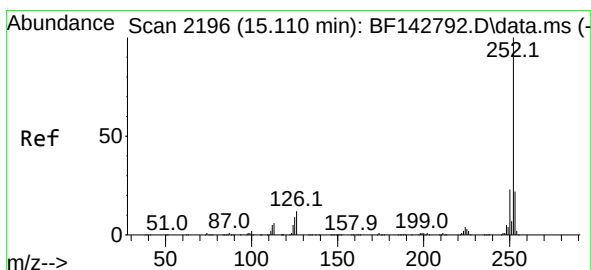
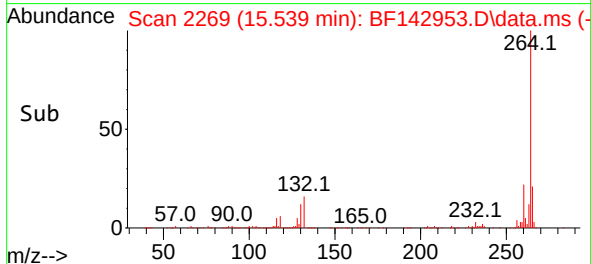
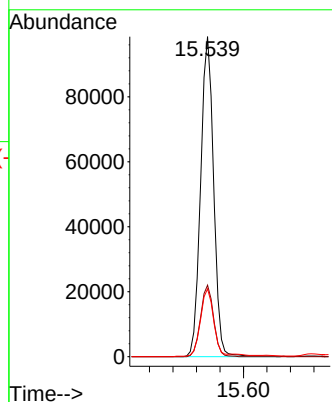
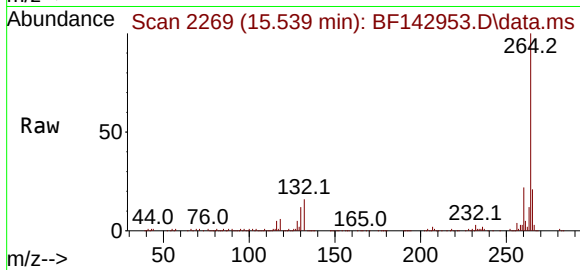
Tgt Ion:264 Resp: 151029

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 8.099 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

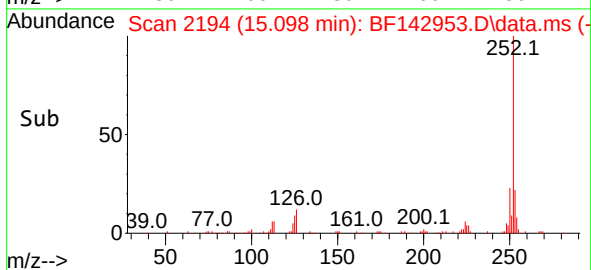
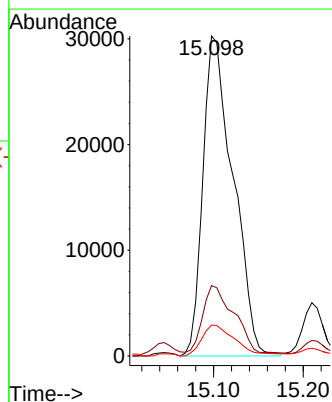
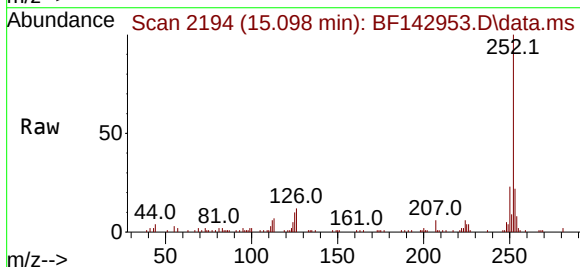
Tgt Ion:252 Resp: 70783

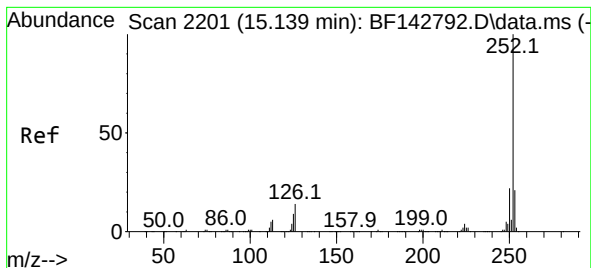
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 8.657 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

WC-1

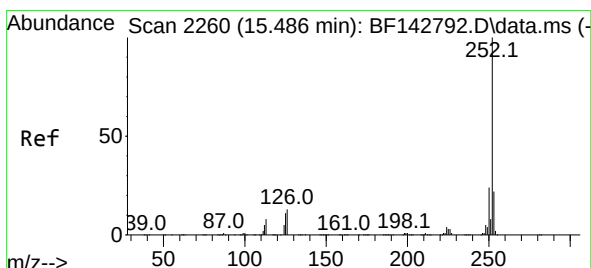
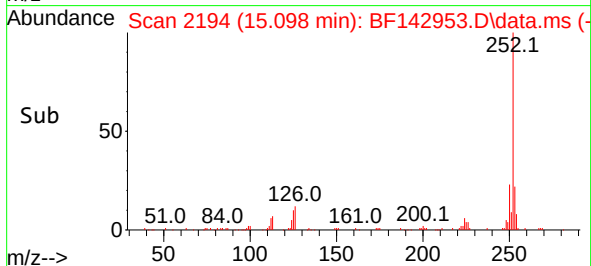
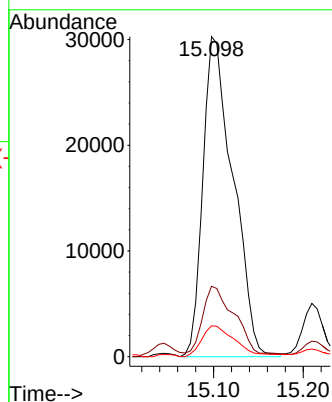
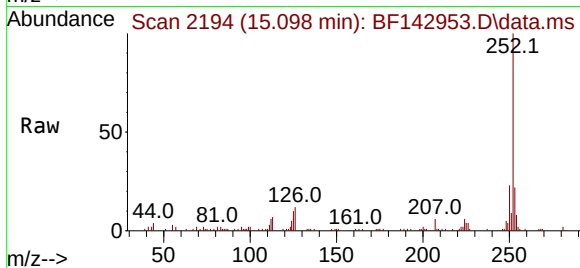
Tgt Ion:252 Resp: 70783

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 4.360 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF142953.D

Acq: 01 Jul 2025 16:58

Tgt Ion:252 Resp: 36814

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.6 8.6 12.8

