

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142984.D
 Acq On : 02 Jul 2025 21:52
 Operator : RC/JU
 Sample : Q2478-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 03 01:10:25 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)

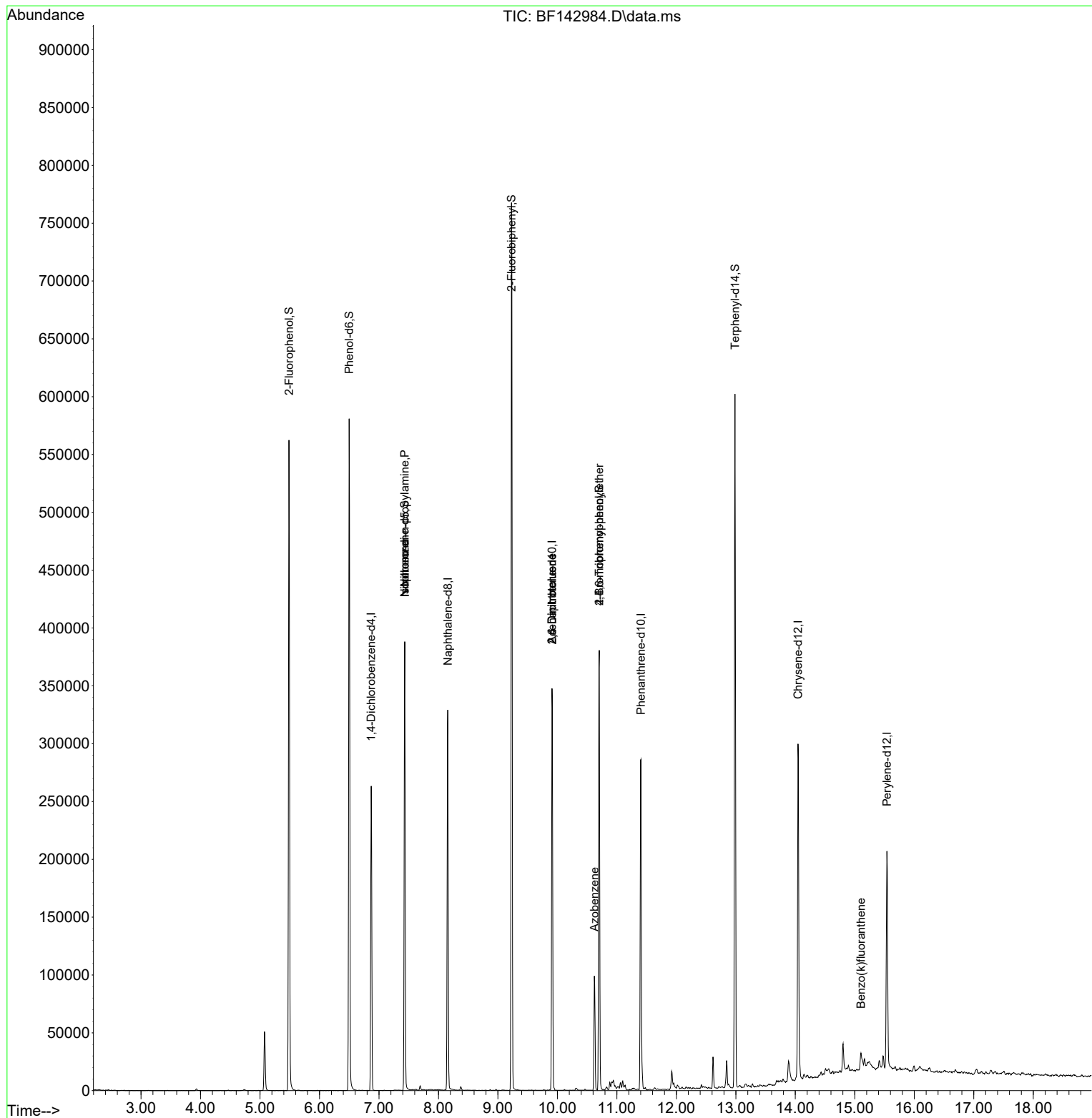
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57108	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	218117	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	107679	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	157924	20.000	ng	0.00
76) Chrysene-d12	14.045	240	137412	20.000	ng	-0.01
86) Perylene-d12	15.539	264	108687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	215807	62.916	ng	0.00
7) Phenol-d6	6.498	99	263716	65.166	ng	-0.01
23) Nitrobenzene-d5	7.434	82	160160	40.276	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	65863	59.438	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	348056	42.462	ng	-0.02
79) Terphenyl-d14	12.986	244	287801	28.939	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	21101	8.965	ng	# 76
25) Isophorone	7.434	82	160159	25.107	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	13747	8.981	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	13747	6.761	ng	# 26
63) Azobenzene	10.622	77	23929	3.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4314	2.400	ng	# 1
89) Benzo(k)fluoranthene	15.104	252	11799	2.005	ng	# 93

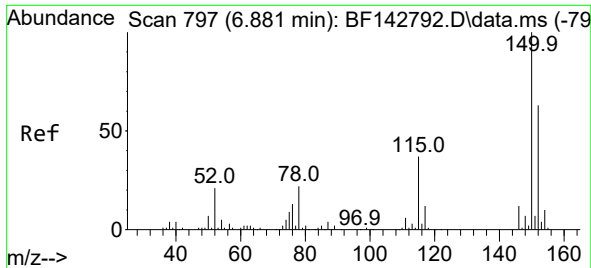
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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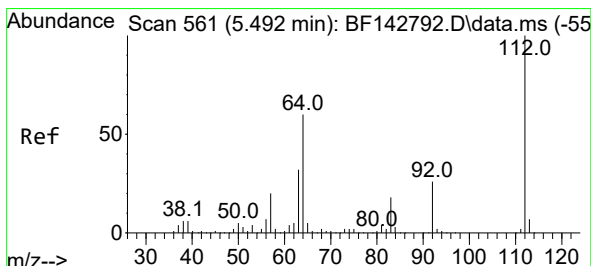
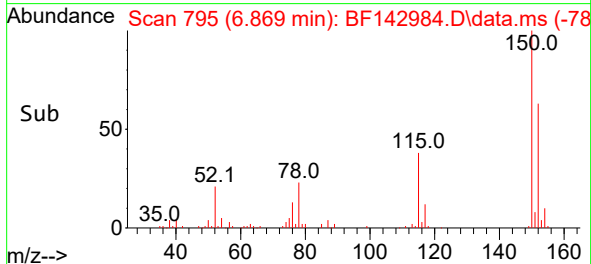
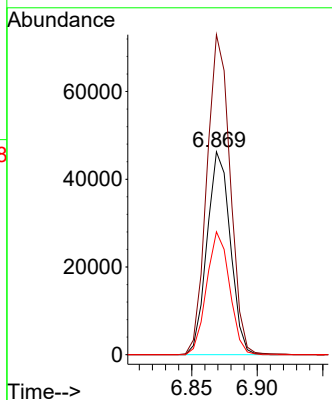
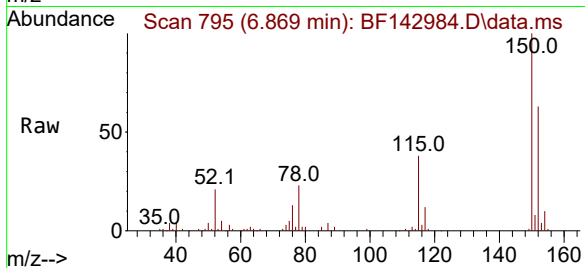




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

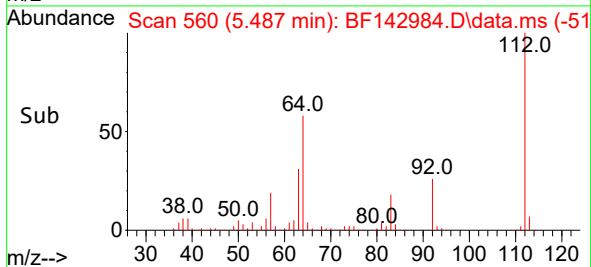
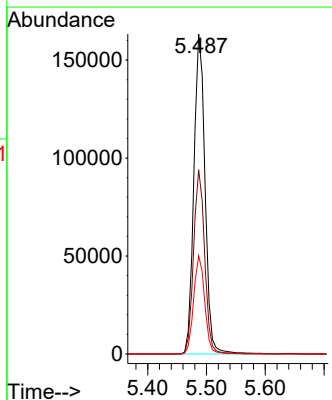
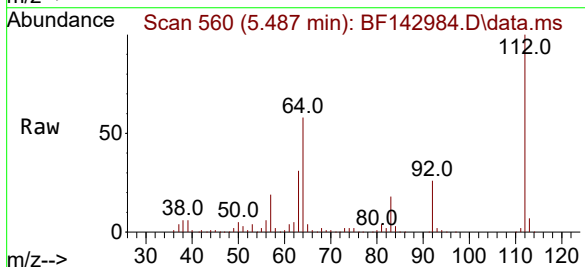
Instrument :
BNA_F
ClientSampleId :
WC-1

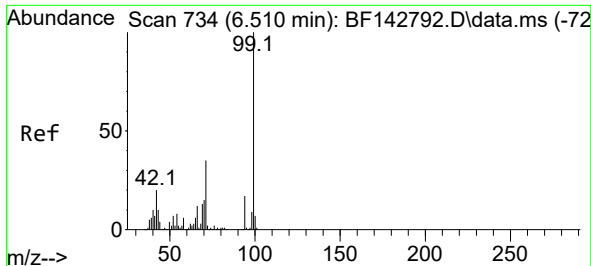
Tgt Ion:152 Resp: 57108
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 60.5 46.6 69.8



#5
2-Fluorophenol
Concen: 62.916 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion:112 Resp: 215807
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 30.7 25.7 38.5





#7

Phenol-d6

Concen: 65.166 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142984.D

Acq: 02 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

WC-1

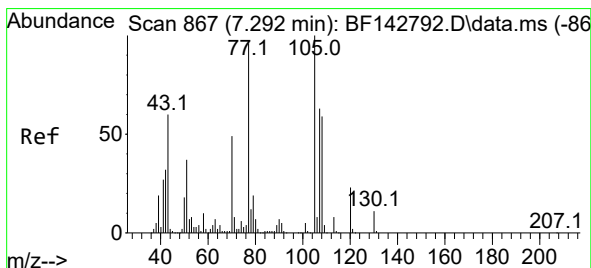
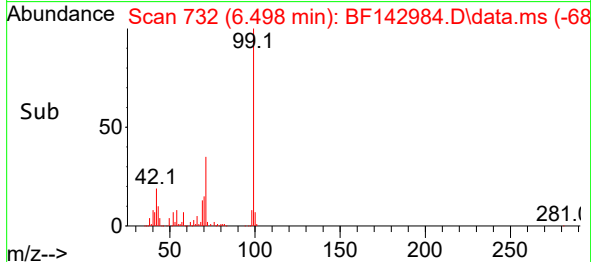
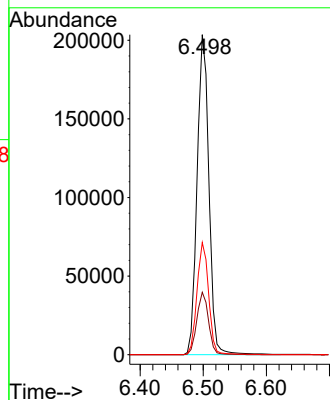
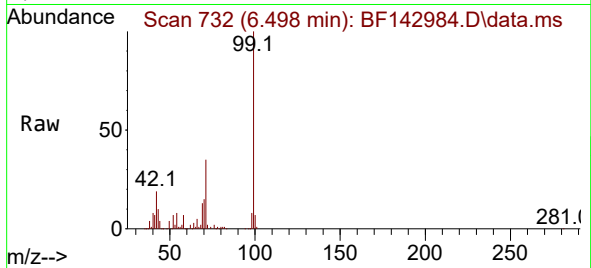
Tgt Ion: 99 Resp: 263716

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 35.0 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 8.965 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142984.D

Acq: 02 Jul 2025 21:52

Tgt Ion: 70 Resp: 21101

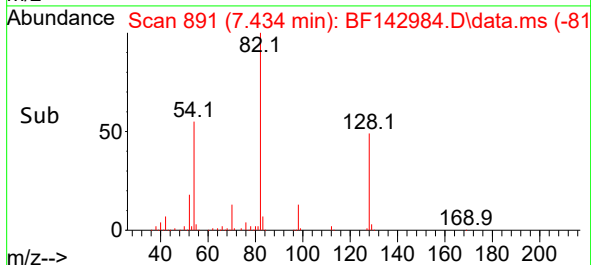
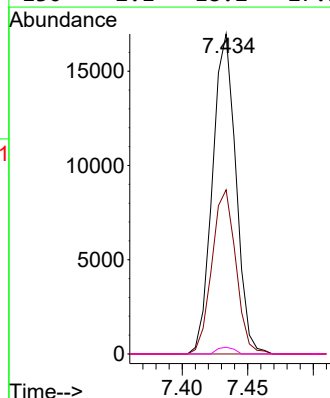
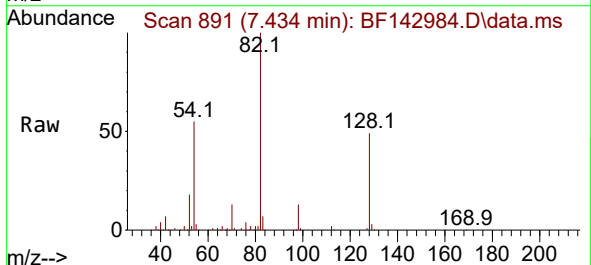
Ion Ratio Lower Upper

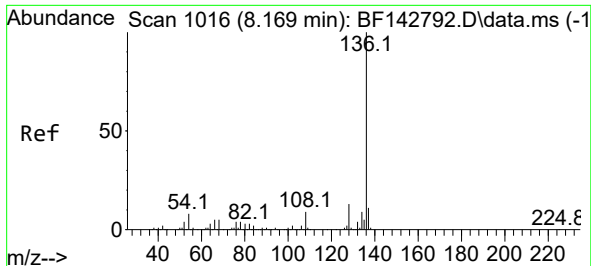
70 100

42 51.3 52.1 78.1#

101 0.0 8.2 12.2#

130 2.1 18.2 27.2#

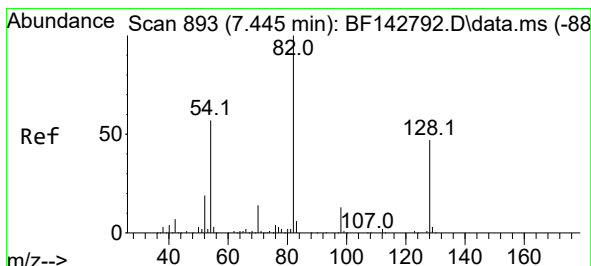
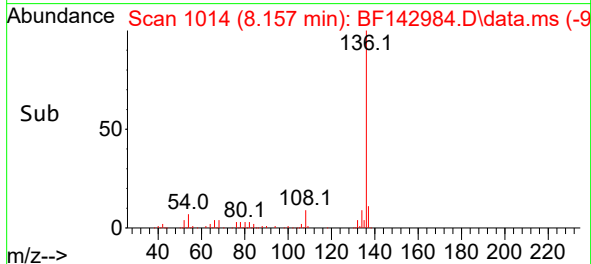
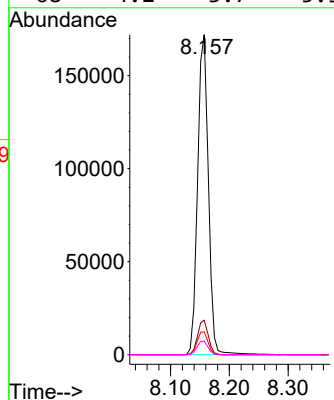
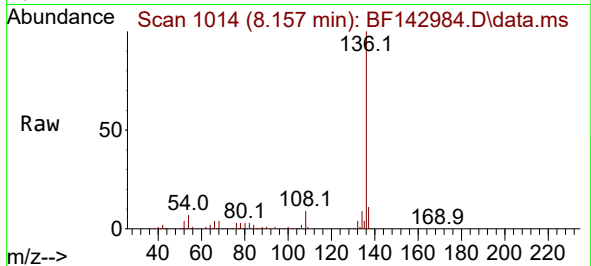




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

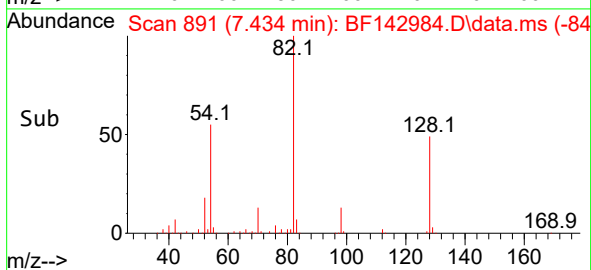
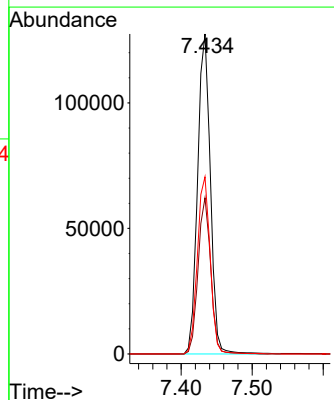
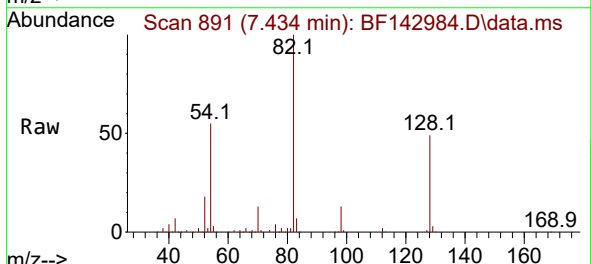
Instrument :
BNA_F
ClientSampleId :
WC-1

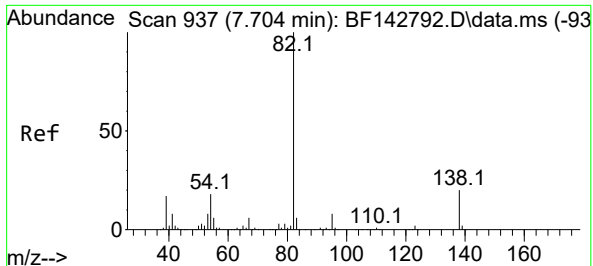
Tgt Ion:	136	Resp:	218117
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 40.276 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion:	82	Resp:	160160
Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.4	45.7	68.5

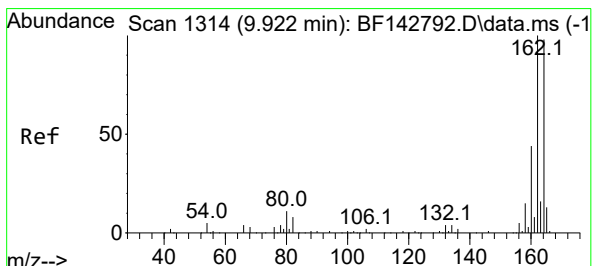
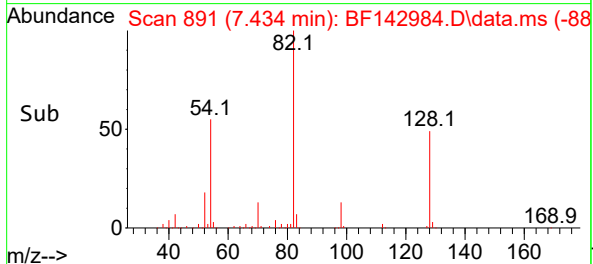
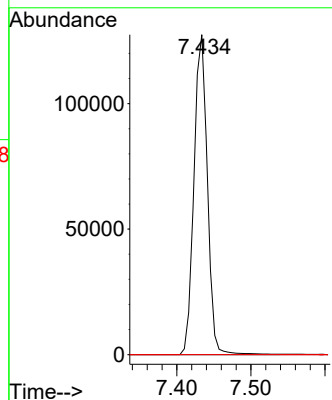
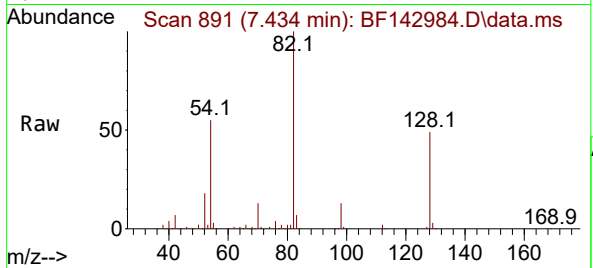




#25
Isophorone
Concen: 25.107 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

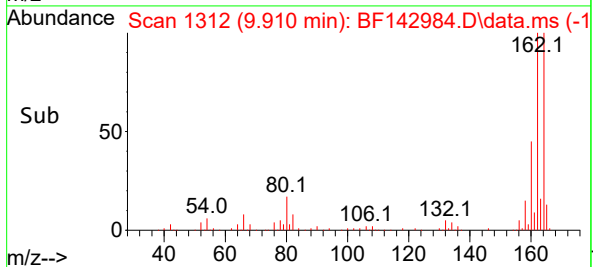
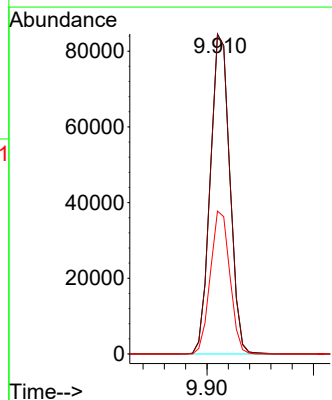
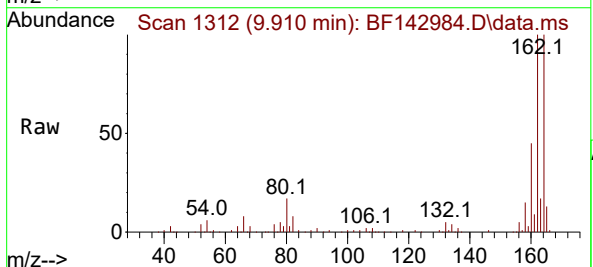
Instrument :
BNA_F
ClientSampleId :
WC-1

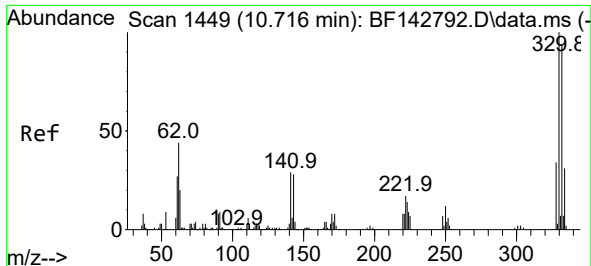
Tgt Ion: 82 Resp: 160159
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion:164 Resp: 107679
Ion Ratio Lower Upper
164 100
162 99.7 81.8 122.8
160 44.7 36.0 54.0

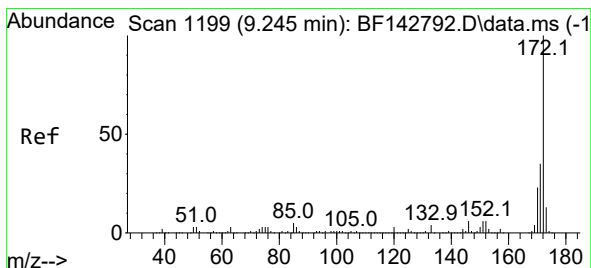
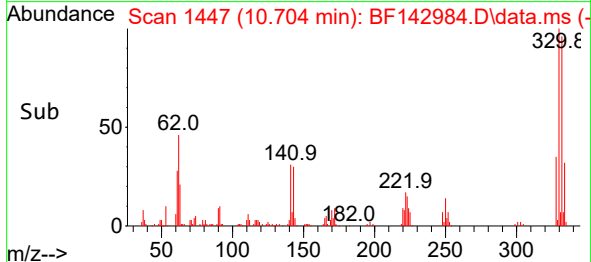
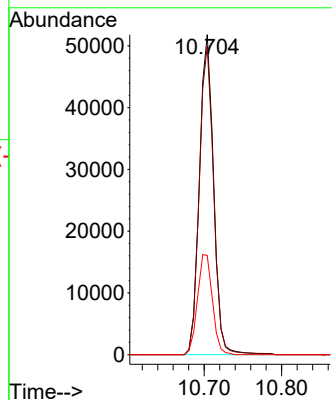
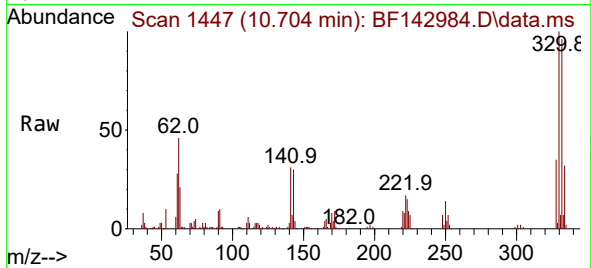




#42
2,4,6-Tribromophenol
Concen: 59.438 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

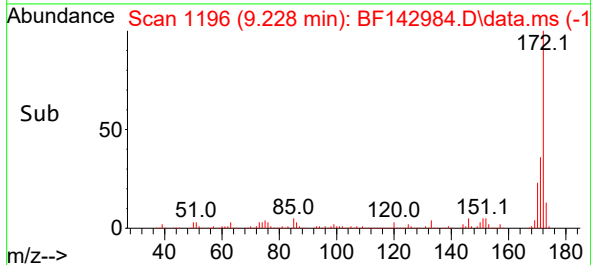
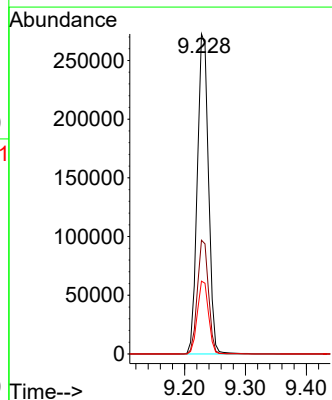
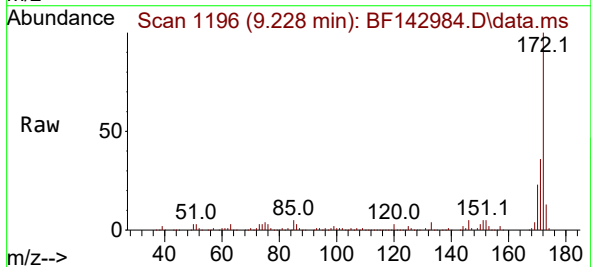
Instrument :
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ClientSampleId :
WC-1

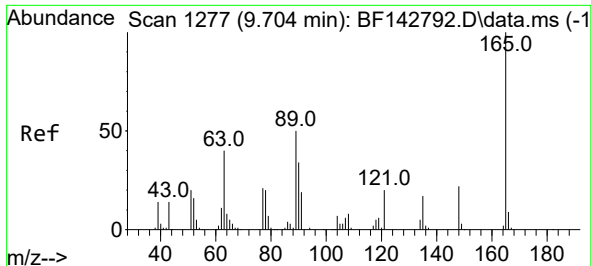
Tgt Ion: 330 Resp: 65863
Ion Ratio Lower Upper
330 100
332 97.1 75.0 112.6
141 32.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 42.462 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion: 172 Resp: 348056
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 22.8 18.5 27.7

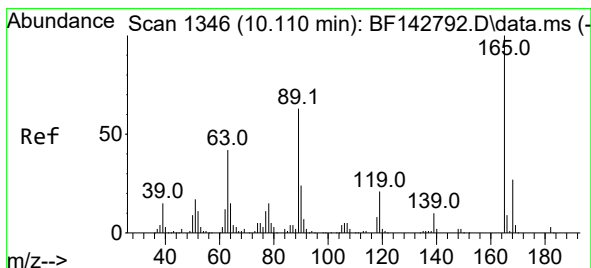
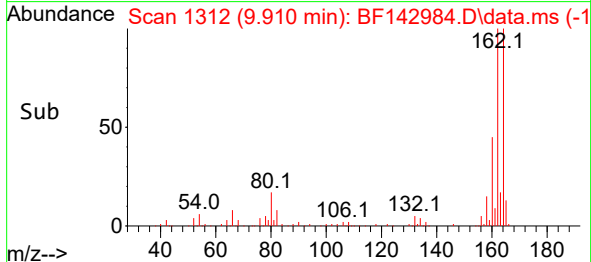
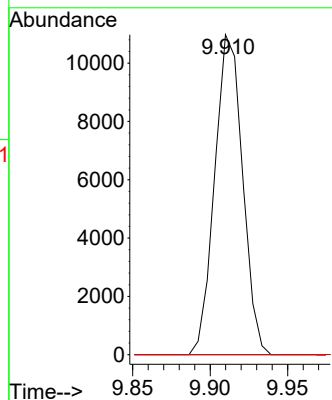
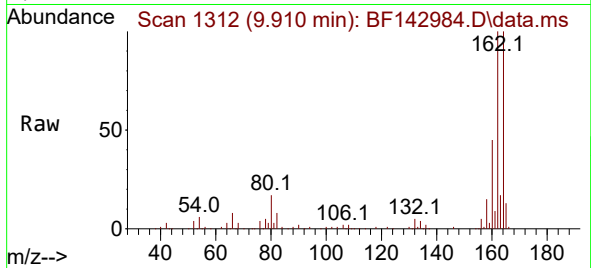




#51
2,6-Dinitrotoluene
Concen: 8.981 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

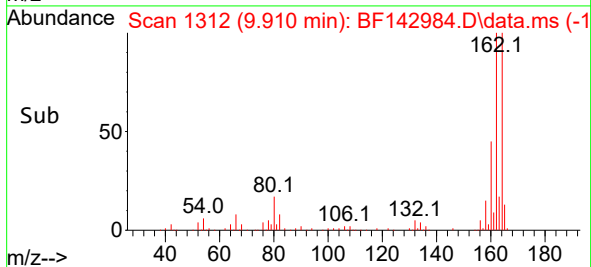
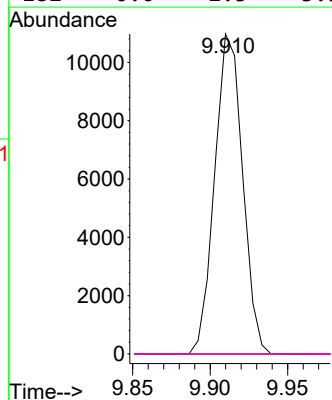
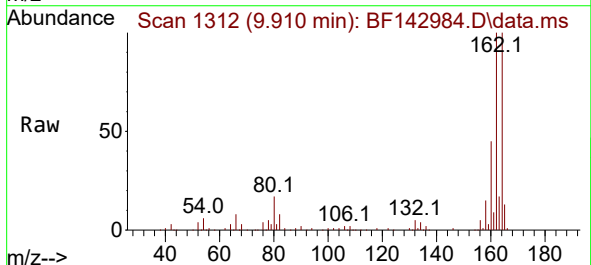
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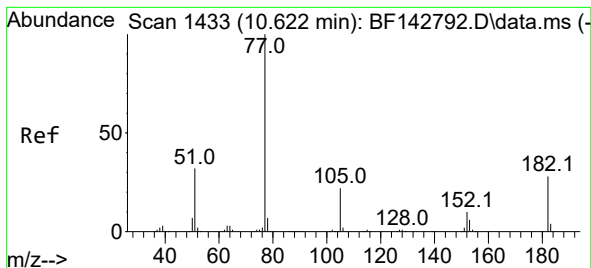
Tgt Ion:165 Resp: 13747
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.761 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion:165 Resp: 13747
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: 3.918 ng

RT: 10.622 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF142984.D

Acq: 02 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 23929

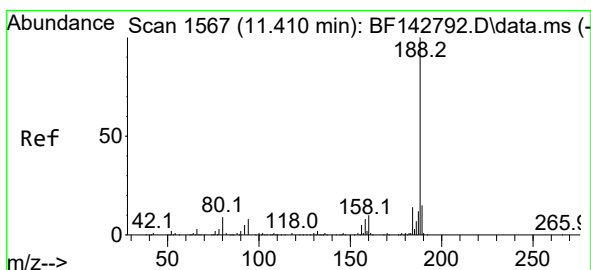
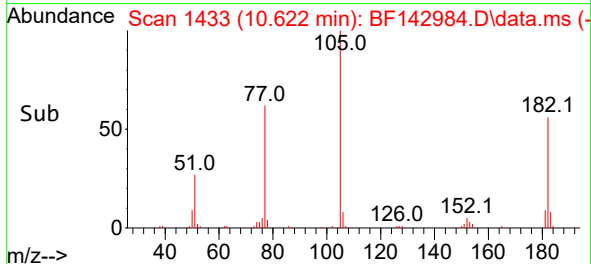
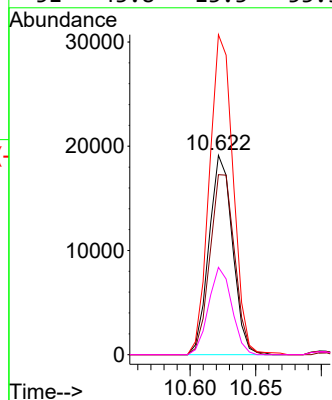
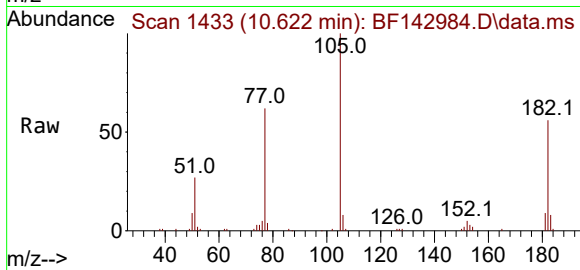
Ion Ratio Lower Upper

77 100

182 90.2 7.7 47.7#

105 160.5 1.9 41.9#

51 43.8 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: BF142984.D

Acq: 02 Jul 2025 21:52

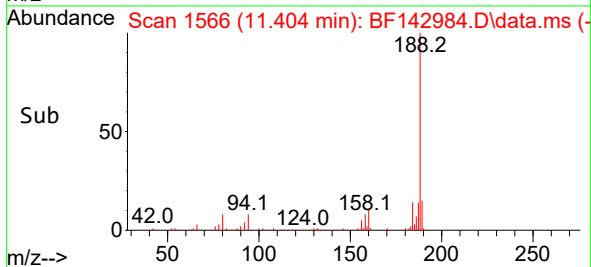
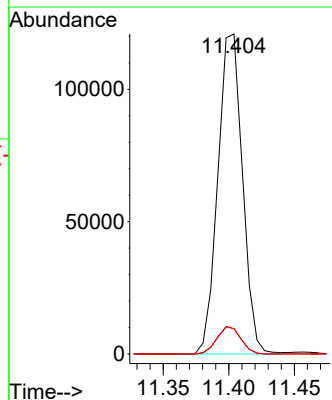
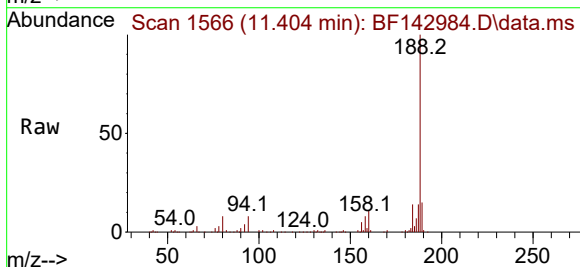
Tgt Ion:188 Resp: 157924

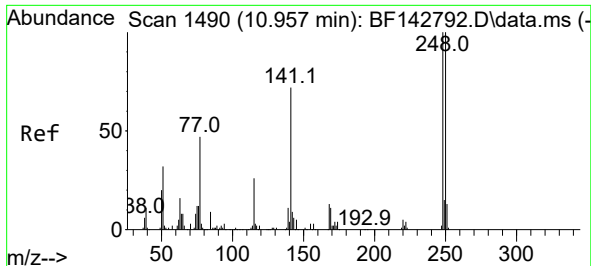
Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 7.9 6.9 10.3

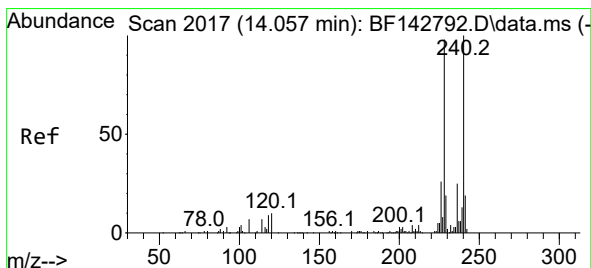
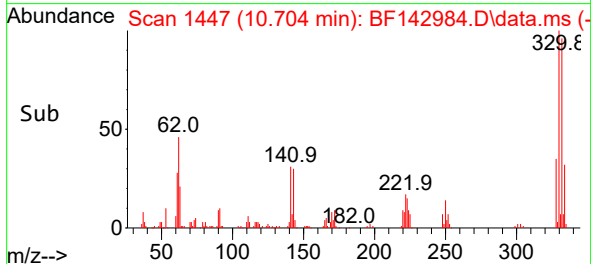
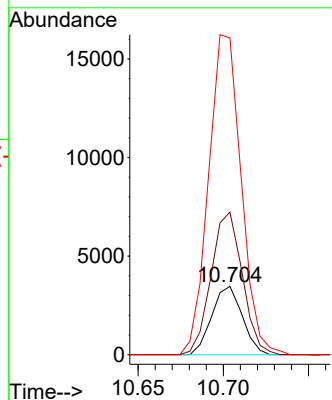
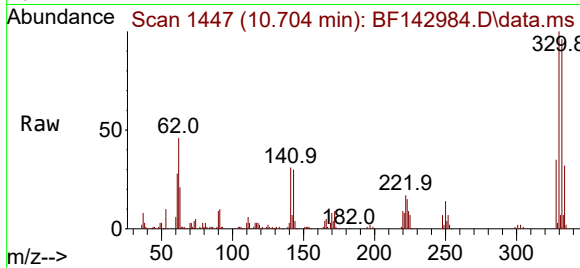




#67
4-Bromophenyl-phenylether
Concen: 2.400 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

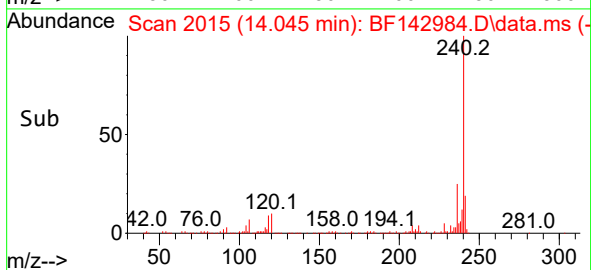
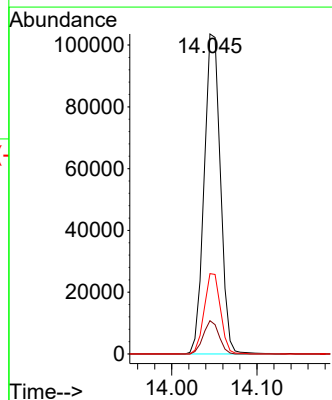
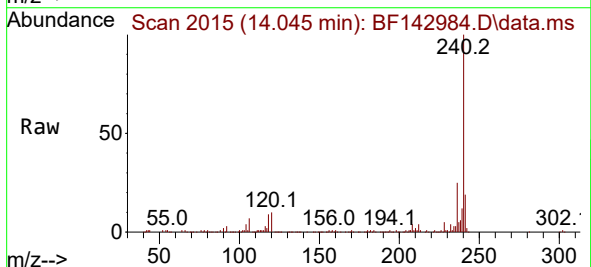
Instrument :
BNA_F
ClientSampleId :
WC-1

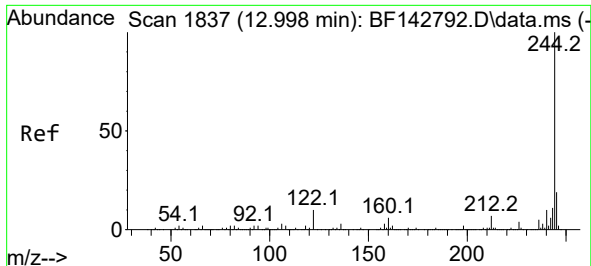
Tgt Ion:248 Resp: 4314
Ion Ratio Lower Upper
248 100
250 208.9 79.8 119.8#
141 464.0 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Tgt Ion:240 Resp: 137412
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.1 19.8 29.8

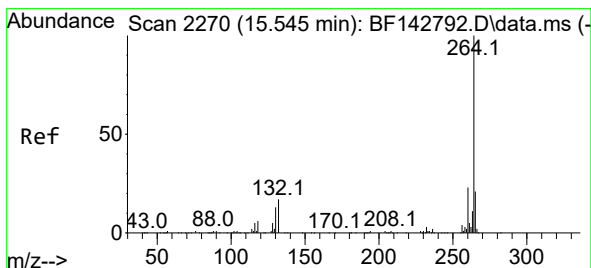
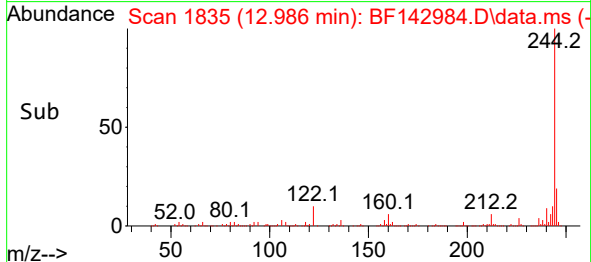
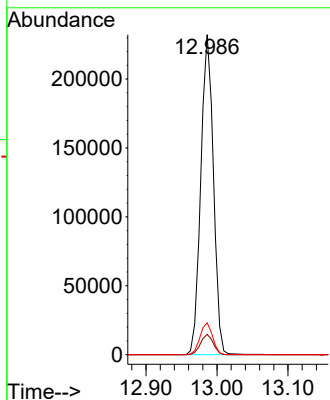
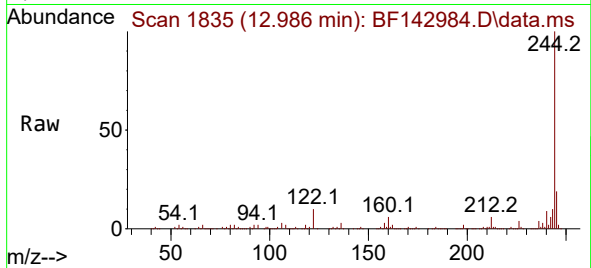




#79
 Terphenyl-d14
 Concen: 28.939 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142984.D
 Acq: 02 Jul 2025 21:52

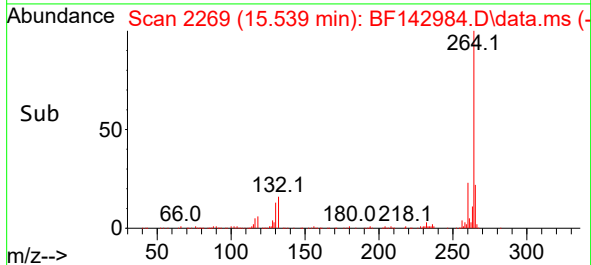
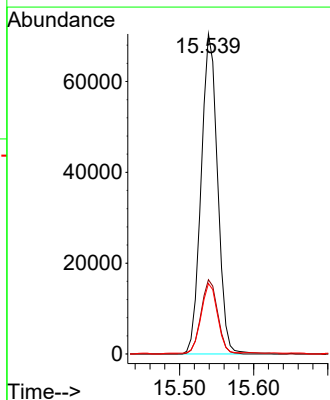
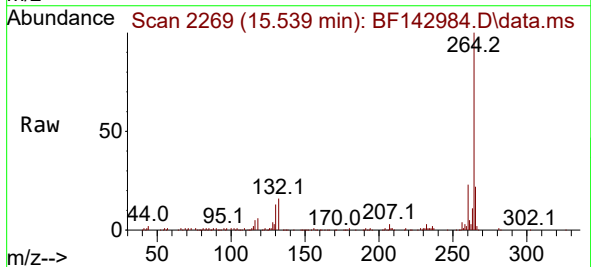
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

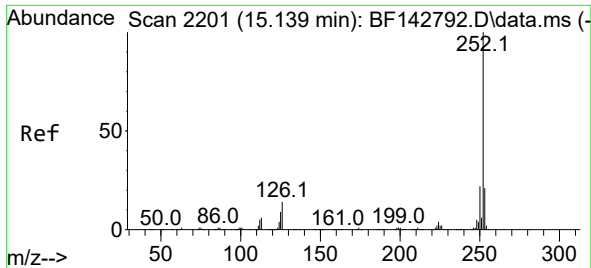
Tgt Ion:244 Resp: 287801
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142984.D
 Acq: 02 Jul 2025 21:52

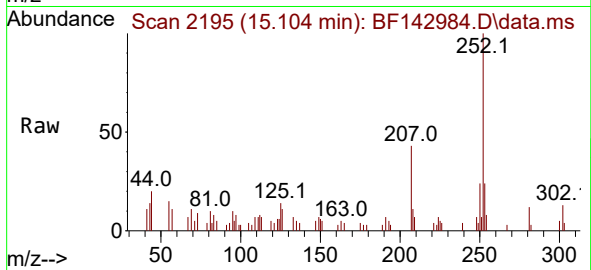
Tgt Ion:264 Resp: 108687
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.1 27.1
 265 22.0 16.6 25.0





#89
Benzo(k)fluoranthene
Concen: 2.005 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142984.D
Acq: 02 Jul 2025 21:52

Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 11799
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 13.6 7.4 11.2#

