

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142999.D
 Acq On : 03 Jul 2025 16:29
 Operator : RC/JU
 Sample : Q2463-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-11

Quant Time: Jul 03 16:51:19 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)

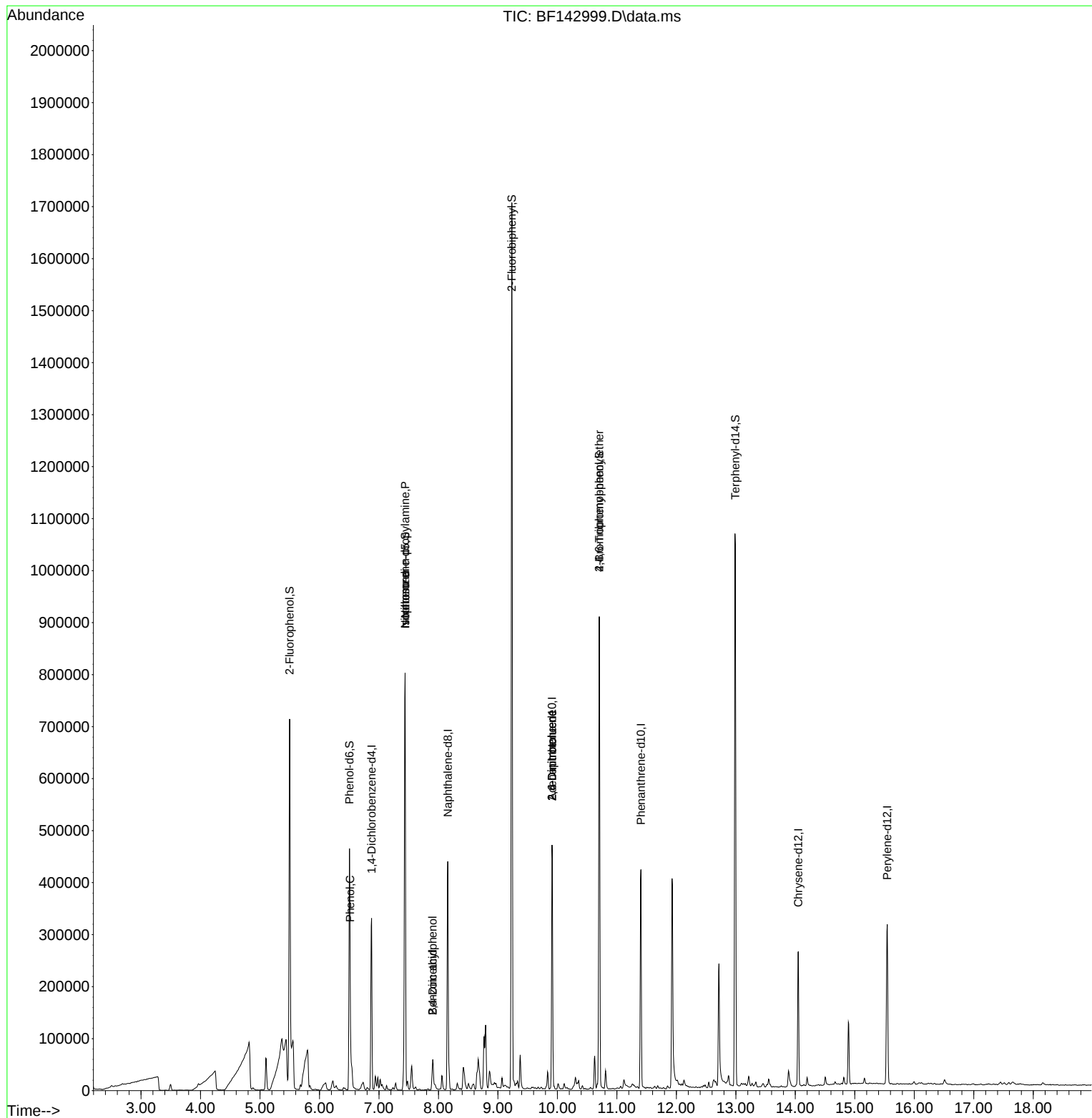
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73371	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	276356	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	143543	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	222938	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132431	20.000	ng	0.00
86) Perylene-d12	15.545	264	181741	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	249436	56.602	ng	0.00
7) Phenol-d6	6.504	99	193655	37.247	ng	0.00
23) Nitrobenzene-d5	7.440	82	356833	70.824	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	157651	106.726	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	762502	69.782	ng	-0.01
79) Terphenyl-d14	12.992	244	530500	55.349	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.516	94	28737	4.972	ng	94
19) n-Nitroso-di-n-propyla...	7.440	70	49205	16.272	ng	# 75
25) Isophorone	7.440	82	355334	43.965	ng	# 62
27) 2,4-Dimethylphenol	7.904	122	9571	2.224	ng	# 5
32) Benzoic acid	7.904	122	9571	4.364	ng	96
51) 2,6-Dinitrotoluene	9.910	165	18172	8.906	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	18172	6.704	ng	# 28
67) 4-Bromophenyl-phenylether	10.704	248	10020	3.949	ng	# 1

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

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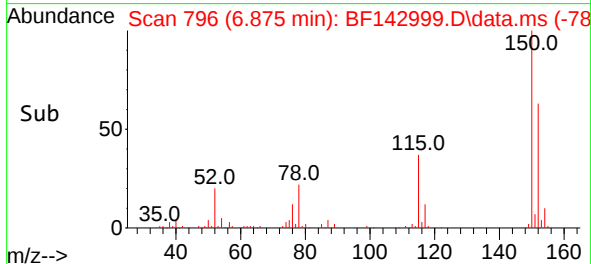
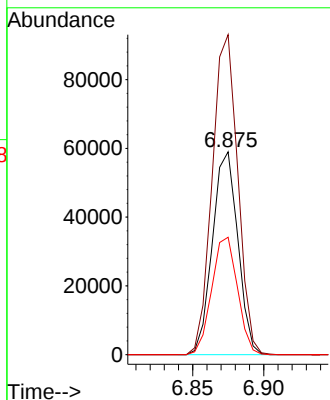
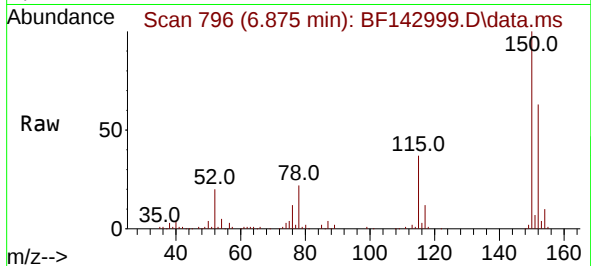




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

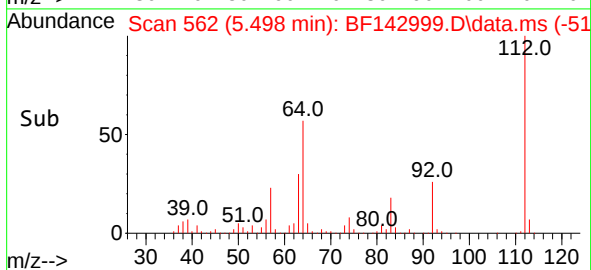
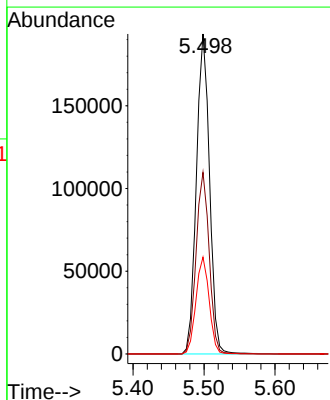
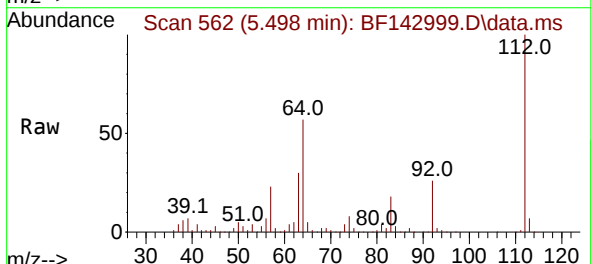
Instrument :
BNA_F
ClientSampleId :
TW-WTS-11

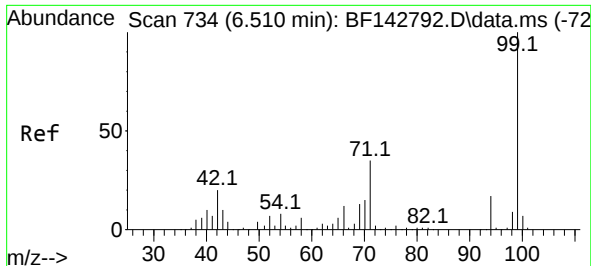
Tgt Ion:152 Resp: 73371
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 56.602 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Tgt Ion:112 Resp: 249436
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.2 25.7 38.5

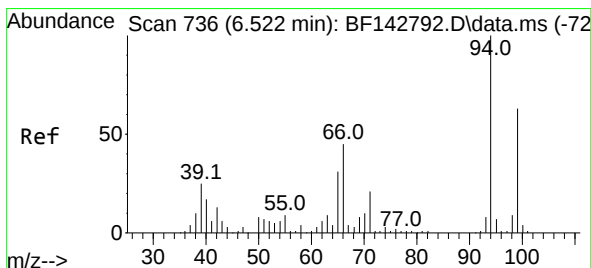
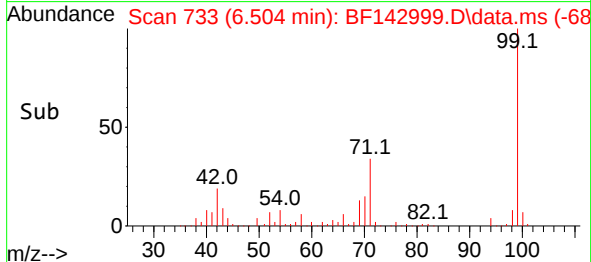
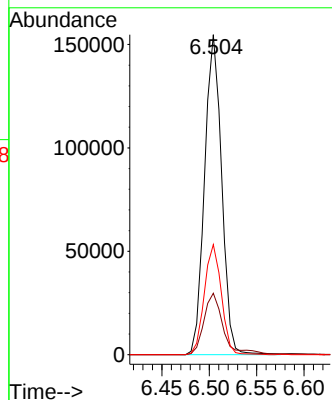
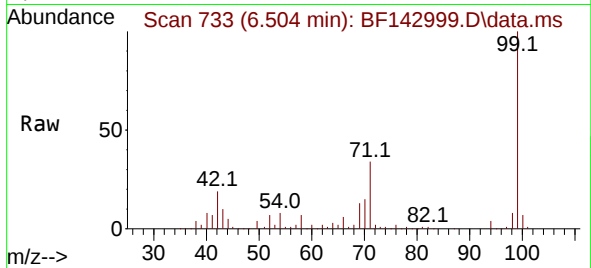




#7
Phenol-d6
Concen: 37.247 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

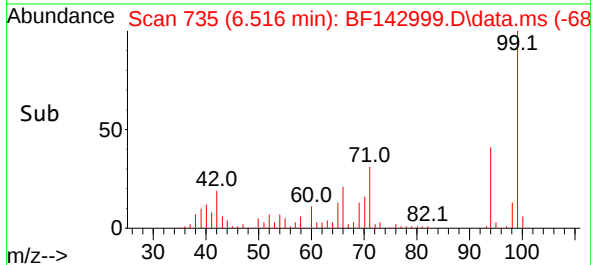
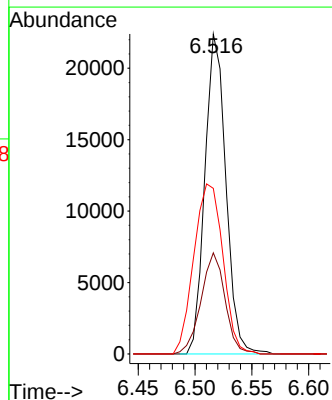
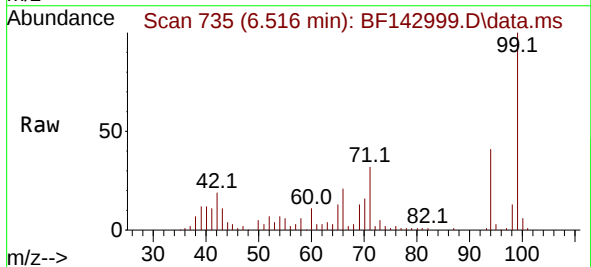
Instrument :
BNA_F
ClientSampleId :
TW-WTS-11

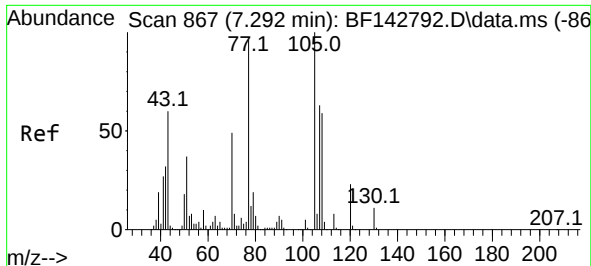
Tgt Ion: 99 Resp: 193655
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.4 27.8 41.8



#10
Phenol
Concen: 4.972 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Tgt Ion: 94 Resp: 28737
Ion Ratio Lower Upper
94 100
65 31.6 11.3 51.3
66 51.7 24.9 64.9





#19

n-Nitroso-di-n-propylamine

Concen: 16.272 ng

RT: 7.440 min Scan# 89

Delta R.T. 0.147 min

Lab File: BF142999.D

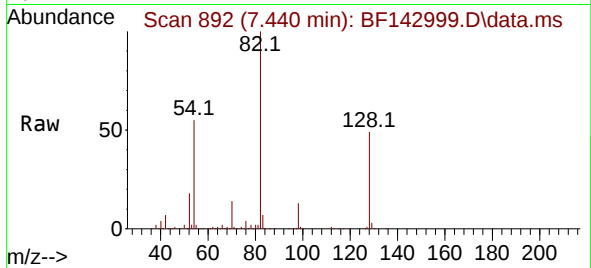
Acq: 03 Jul 2025 16:29

Instrument :

BNA_F

ClientSampleId :

TW-WTS-11



Tgt Ion: 70 Resp: 49205

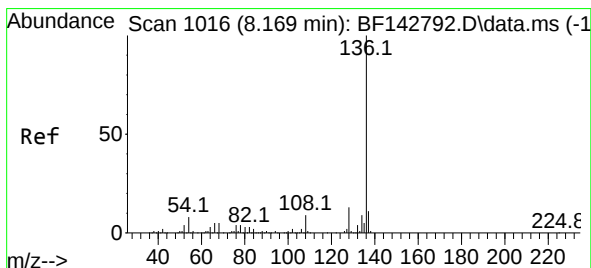
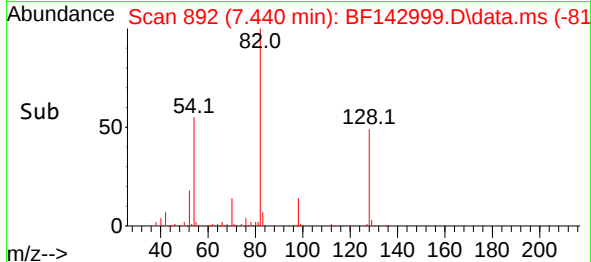
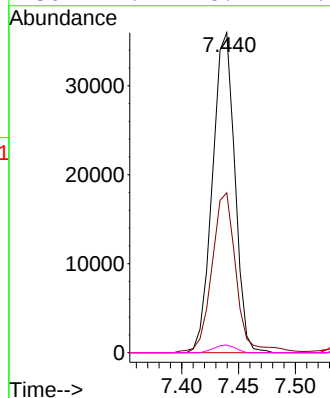
Ion Ratio Lower Upper

70 100

42 49.9 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: BF142999.D

Acq: 03 Jul 2025 16:29

Tgt Ion:136 Resp: 276356

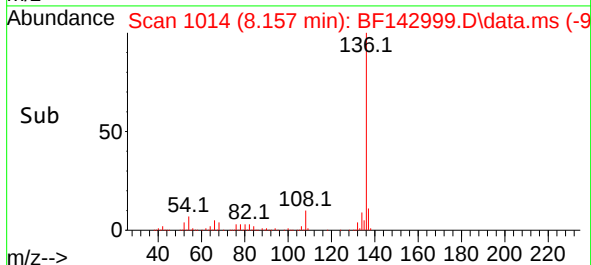
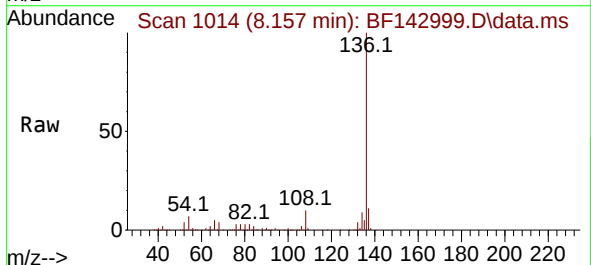
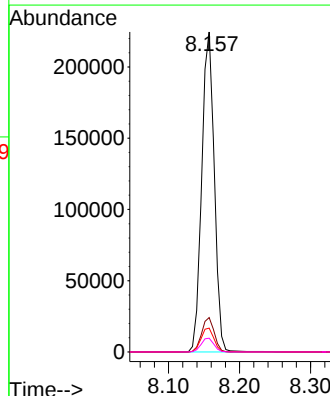
Ion Ratio Lower Upper

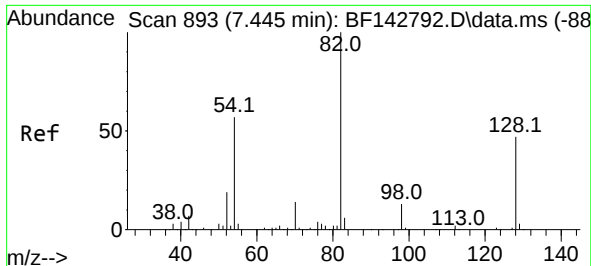
136 100

137 10.8 8.4 12.6

54 7.5 6.3 9.5

68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 70.824 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142999.D

Acq: 03 Jul 2025 16:29

Instrument :

BNA_F

ClientSampleId :

TW-WTS-11

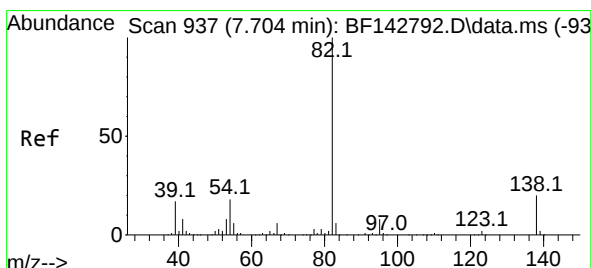
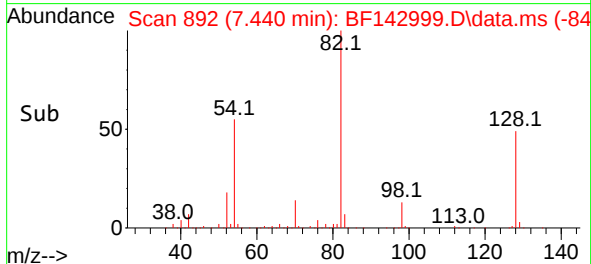
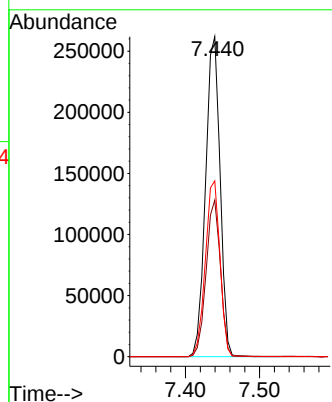
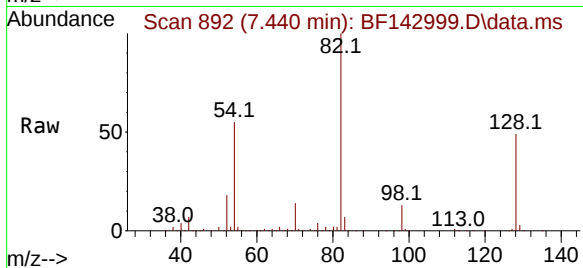
Tgt Ion: 82 Resp: 356833

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 55.0 45.7 68.5



#25

Isophorone

Concen: 43.965 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.265 min

Lab File: BF142999.D

Acq: 03 Jul 2025 16:29

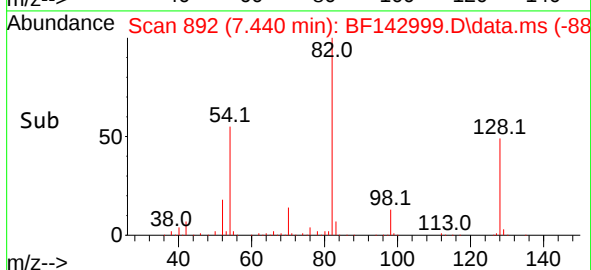
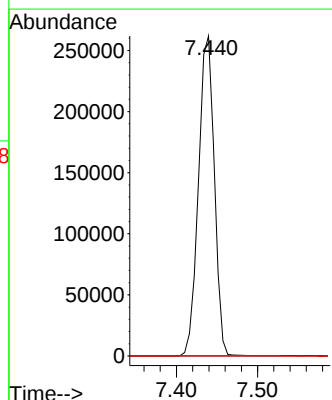
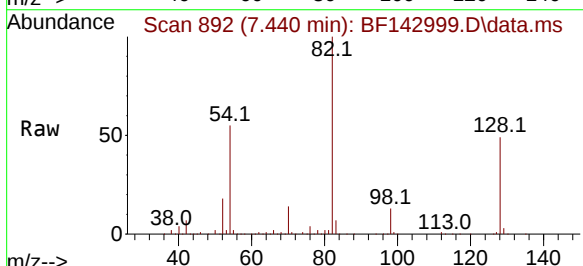
Tgt Ion: 82 Resp: 355334

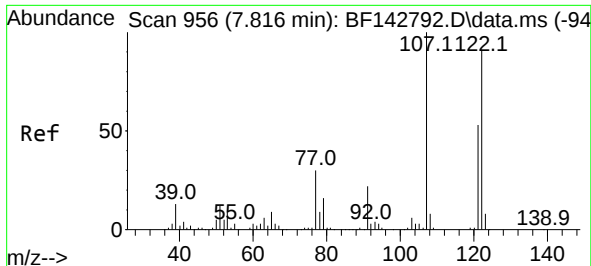
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#





#27

2,4-Dimethylphenol

Concen: 2.224 ng

RT: 7.904 min Scan# 91

Delta R.T. 0.088 min

Lab File: BF142999.D

Acq: 03 Jul 2025 16:29

Instrument :

BNA_F

ClientSampleId :

TW-WTS-11

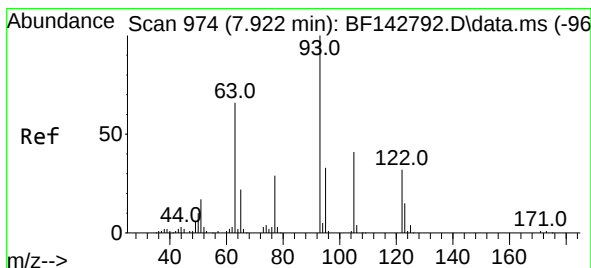
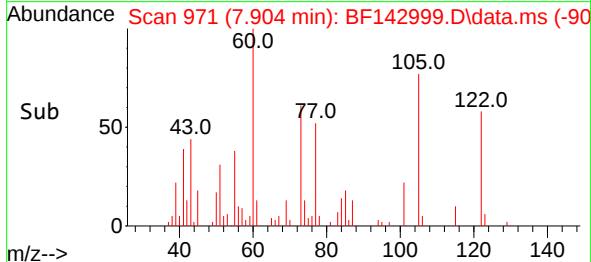
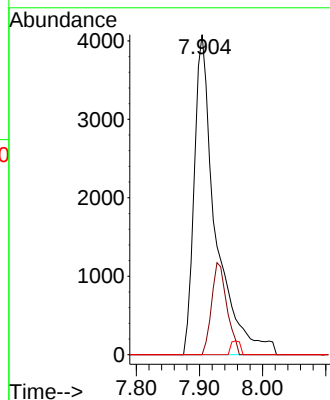
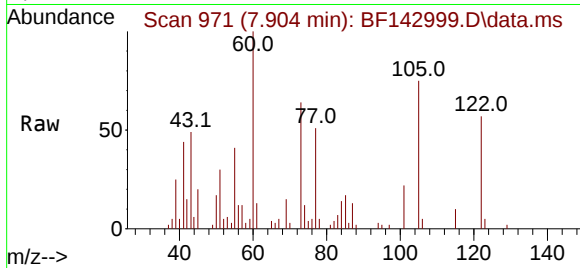
Tgt Ion:122 Resp: 9571

Ion Ratio Lower Upper

122 100

107 0.0 88.0 132.0#

121 0.0 46.3 69.5#



#32

Benzoic acid

Concen: 4.364 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.018 min

Lab File: BF142999.D

Acq: 03 Jul 2025 16:29

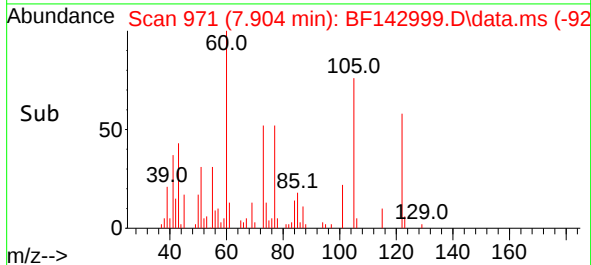
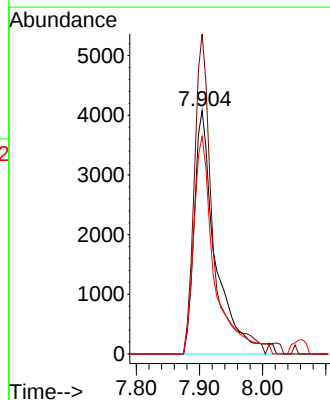
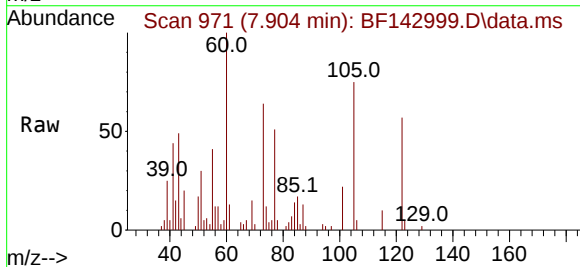
Tgt Ion:122 Resp: 9571

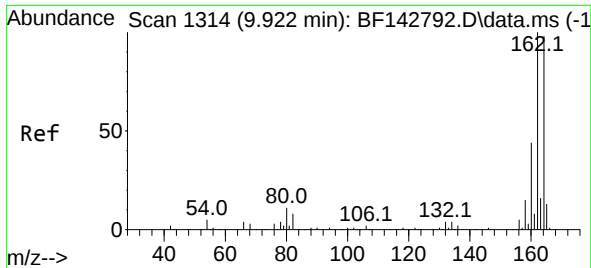
Ion Ratio Lower Upper

122 100

105 131.5 104.7 144.7

77 89.4 70.2 110.2

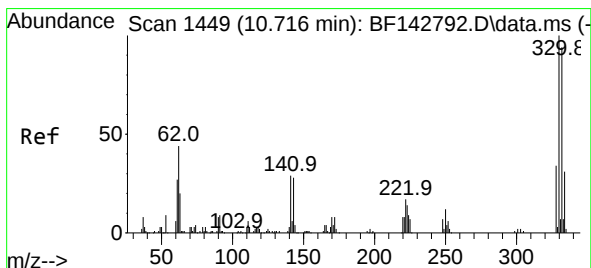
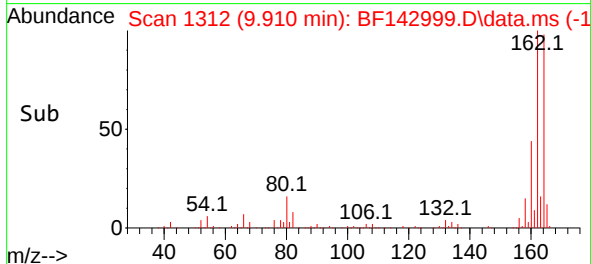
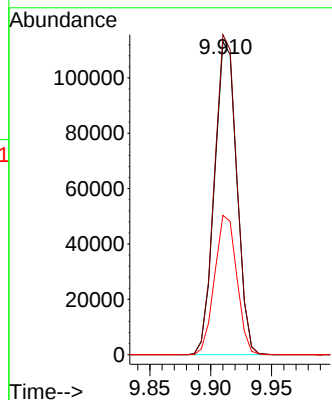
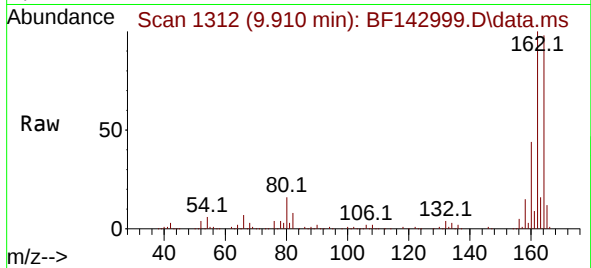




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

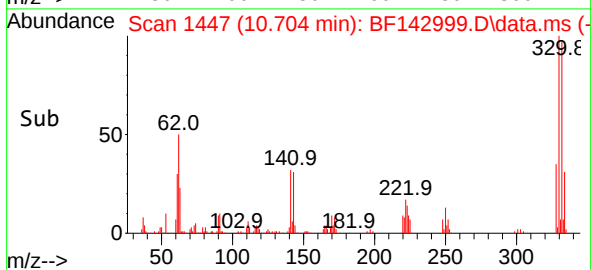
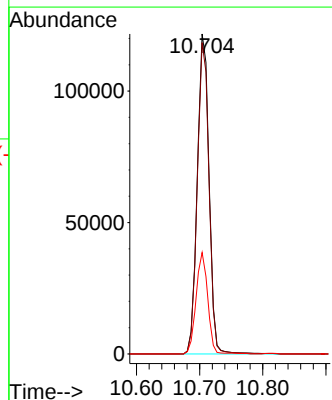
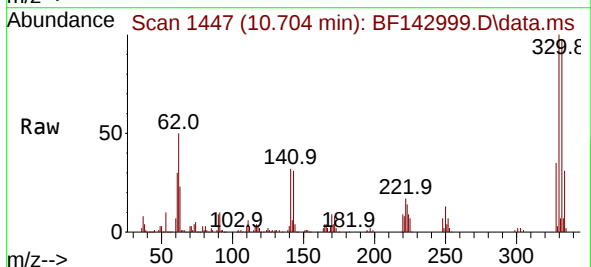
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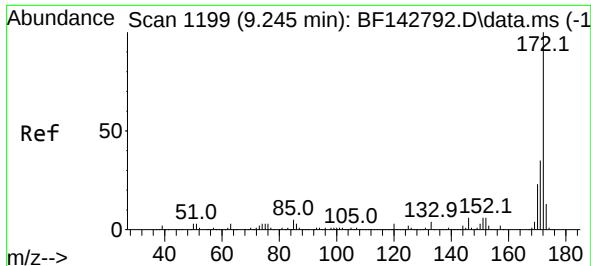
Tgt Ion:164 Resp: 143543
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 44.5 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 106.726 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Tgt Ion:330 Resp: 157651
Ion Ratio Lower Upper
330 100
332 96.6 75.0 112.6
141 31.4 25.3 37.9

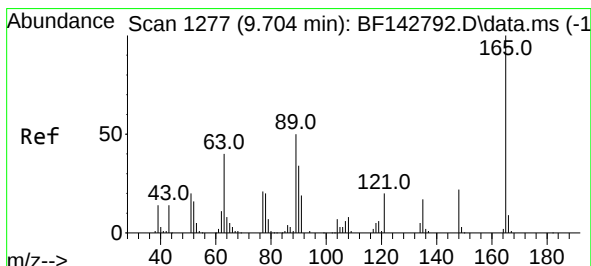
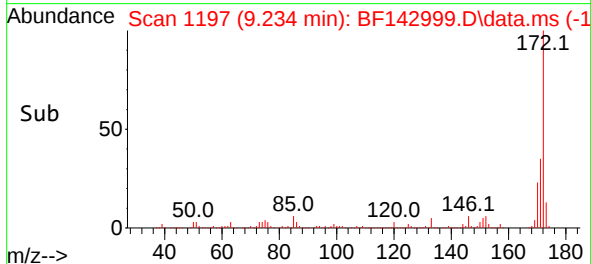
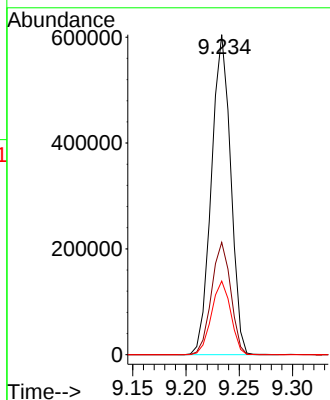
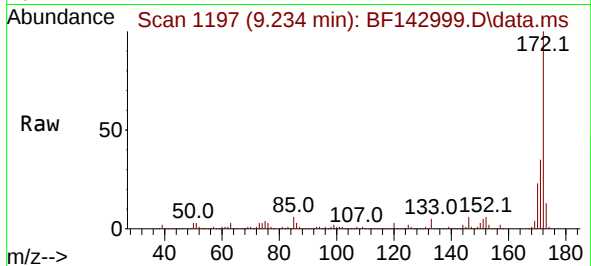




#45
2-Fluorobiphenyl
Concen: 69.782 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

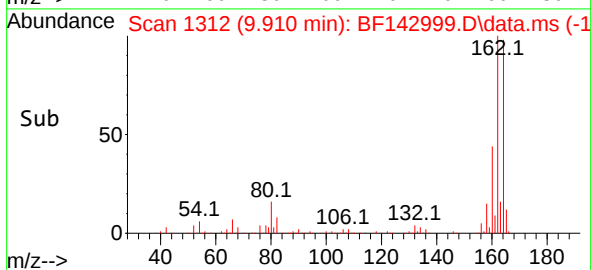
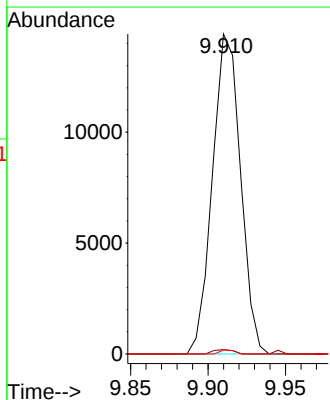
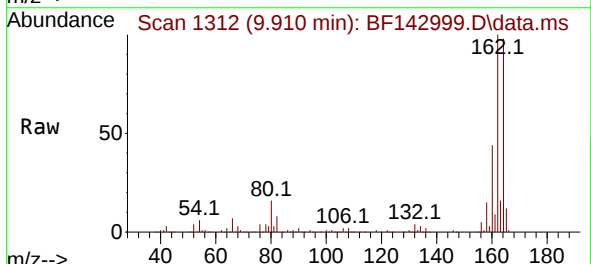
Instrument :
BNA_F
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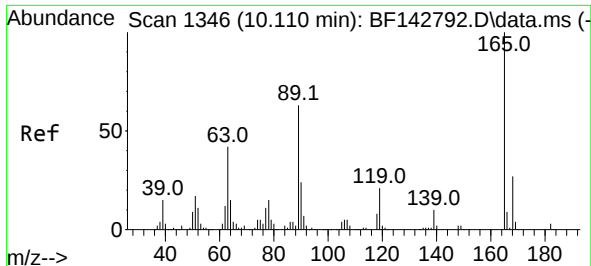
Tgt Ion:172 Resp: 762502
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.0 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.206 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Tgt Ion:165 Resp: 18172
Ion Ratio Lower Upper
165 100
63 1.4 44.2 66.4#
89 1.2 39.8 59.8#

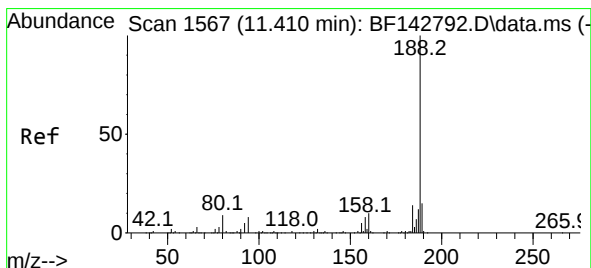
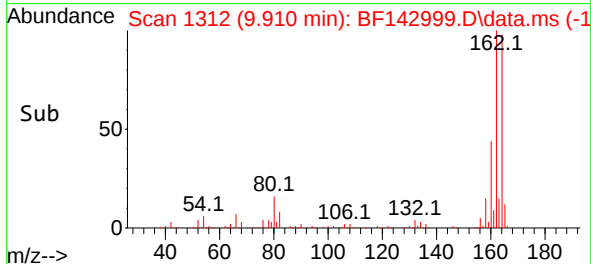
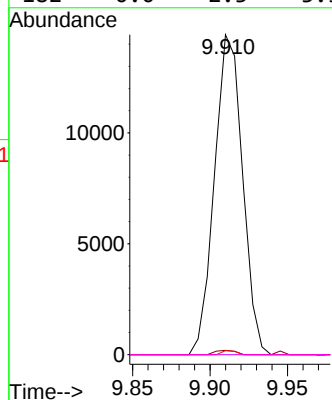
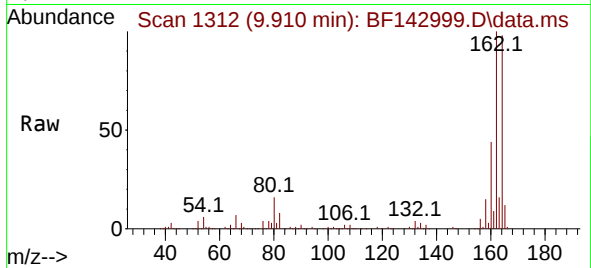




#57
2,4-Dinitrotoluene
Concen: 6.704 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

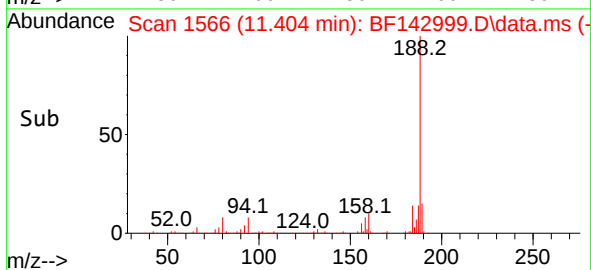
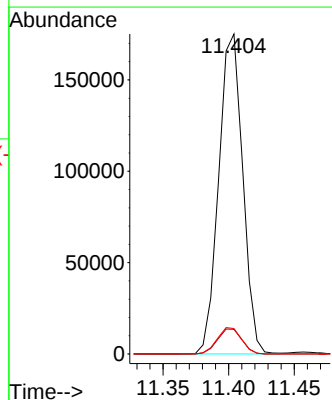
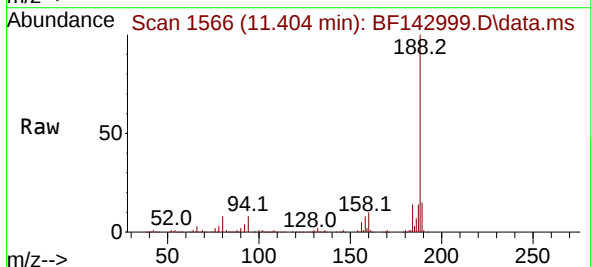
Instrument :
BNA_F
ClientSampleId :
TW-WTS-11

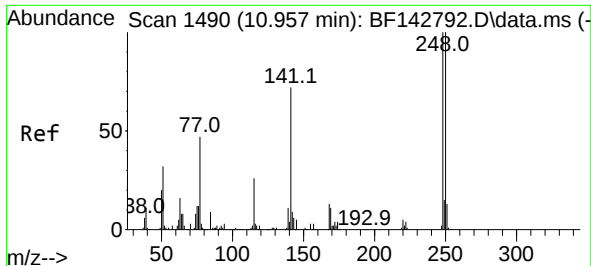
Tgt Ion:165 Resp: 18172
Ion Ratio Lower Upper
165 100
63 1.4 33.9 50.9#
89 1.2 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

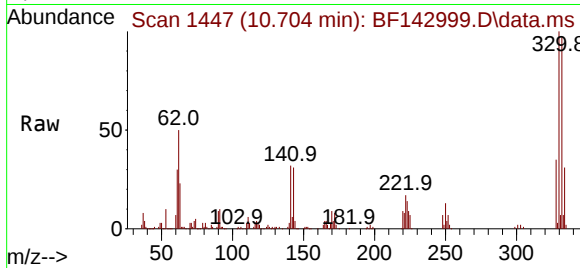
Tgt Ion:188 Resp: 222938
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.9 6.9 10.3



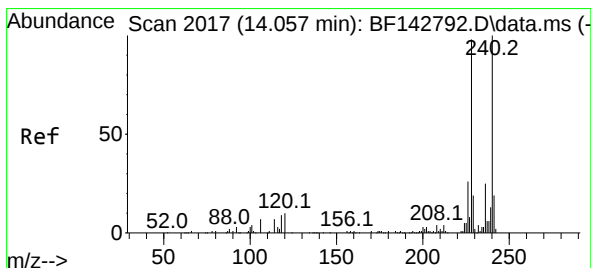
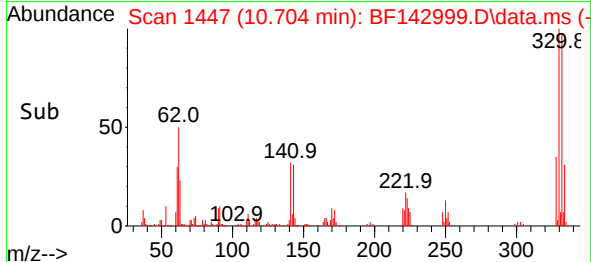
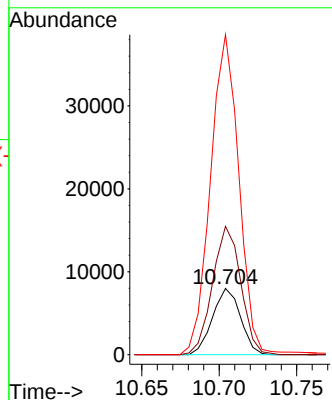


#67
4-Bromophenyl-phenylether
Concen: 3.949 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Instrument :
BNA_F
ClientSampleId :
TW-WTS-11

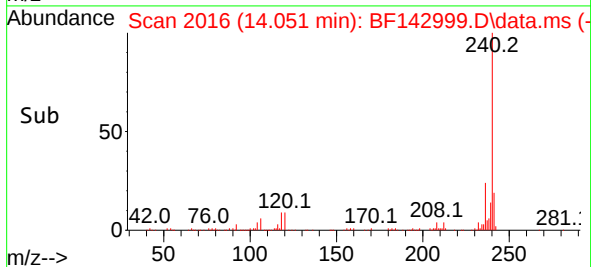
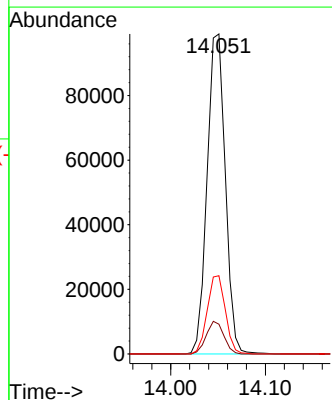
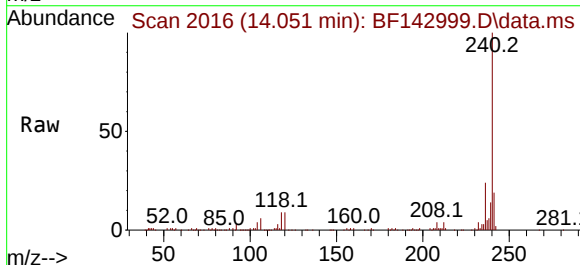


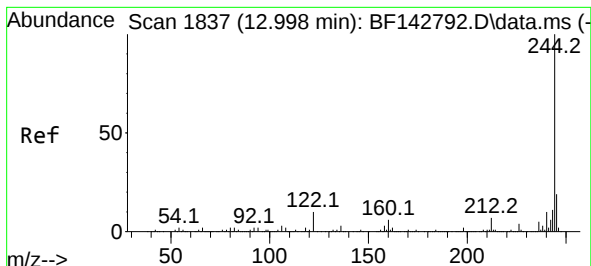
Tgt Ion:248 Resp: 10020
Ion Ratio Lower Upper
248 100
250 193.7 79.8 119.8#
141 483.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142999.D
Acq: 03 Jul 2025 16:29

Tgt Ion:240 Resp: 132431
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.2
236 24.5 19.8 29.8





#79

Terphenyl-d14

Concen: 55.349 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142999.D

Acq: 03 Jul 2025 16:29

Instrument :

BNA_F

ClientSampleId :

TW-WTS-11

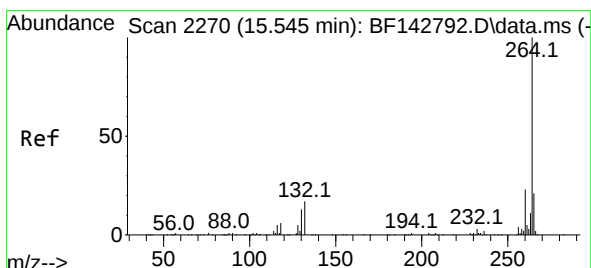
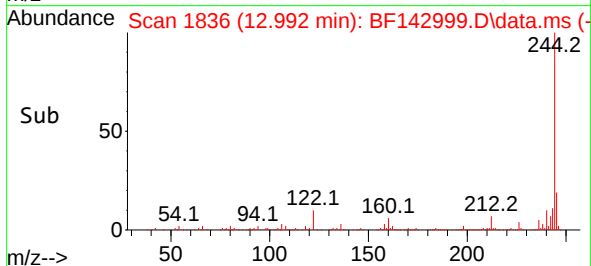
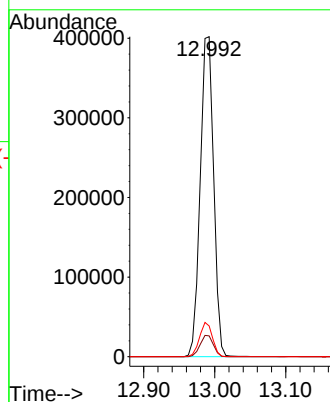
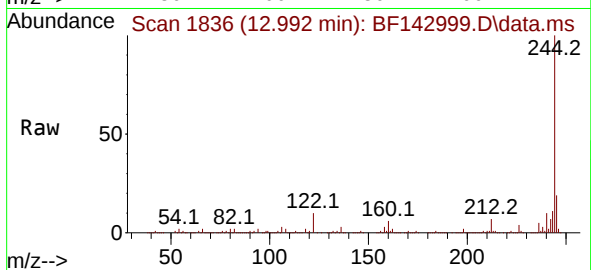
Tgt Ion:244 Resp: 530500

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.6 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: BF142999.D

Acq: 03 Jul 2025 16:29

Tgt Ion:264 Resp: 181741

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.4 16.6 25.0

