

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144193.D
 Acq On : 06 Nov 2025 17:53
 Operator : RC/JU
 Sample : Q3552-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Quant Time: Nov 07 00:01:27 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)

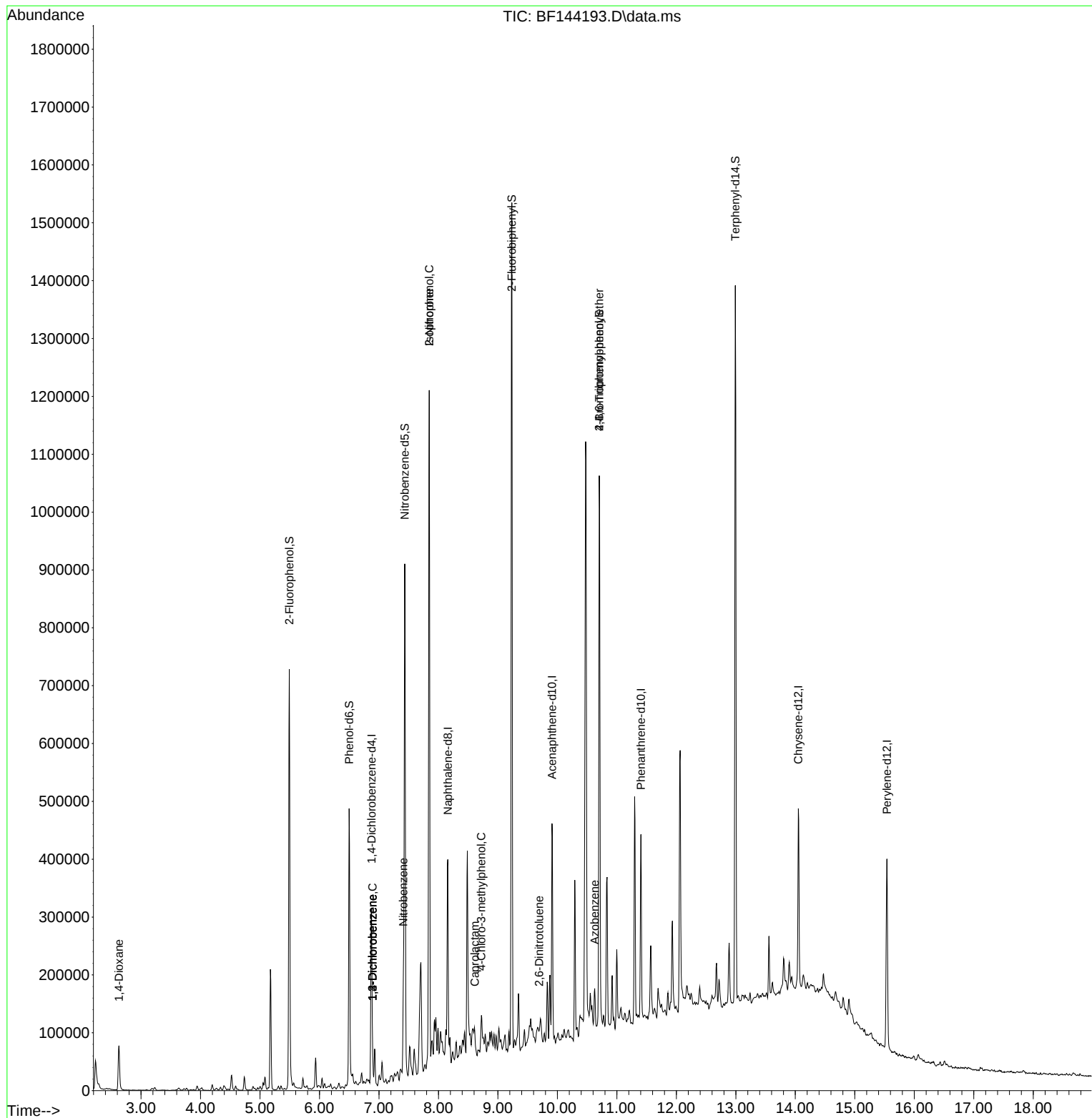
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61143	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	221818	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	112288	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	175620	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162091	20.000	ng	0.00
86) Perylene-d12	15.539	264	216815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	286460	73.316	ng	0.00
7) Phenol-d6	6.498	99	215740	48.731	ng	0.00
23) Nitrobenzene-d5	7.434	82	353401	92.015	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	176078	124.959	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	702796	92.439	ng	0.00
79) Terphenyl-d14	12.992	244	670155	65.672	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	41311	25.574	ng	97
12) 1,3-Dichlorobenzene	6.893	146	17263	3.651	ng	98
13) 1,4-Dichlorobenzene	6.893	146	17263	3.644	ng	99
14) 1,2-Dichlorobenzene	6.893	146	17263	3.802	ng	99
24) Nitrobenzene	7.410	77	11189	2.683	ng	# 49
25) Isophorone	7.845	82	32827	4.519	ng	# 1
26) 2-Nitrophenol	7.845	139	20718	10.037	ng	# 1
35) Caprolactam	8.610	113	2145	2.196	ng	# 1
36) 4-Chloro-3-methylphenol	8.722	107	14026	4.389	ng	# 22
51) 2,6-Dinitrotoluene	9.692	165	3377	2.243	ng	# 68
63) Azobenzene	10.628	77	16058	2.516	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9954	4.441	ng	# 1

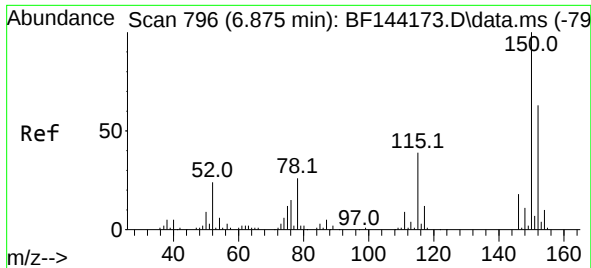
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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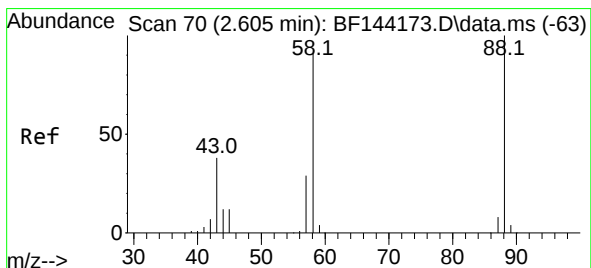
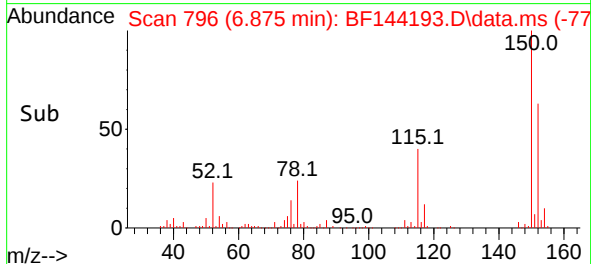
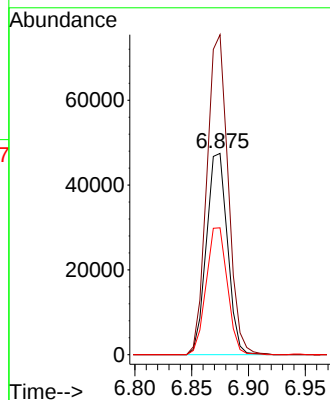
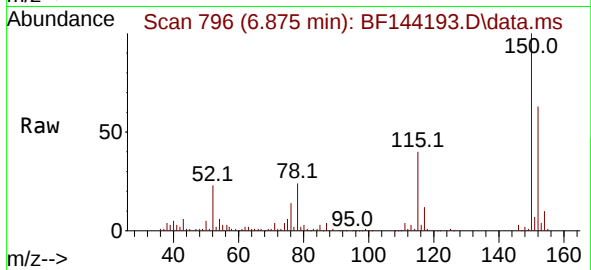




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: BF144193.D
 Acq: 06 Nov 2025 17:53

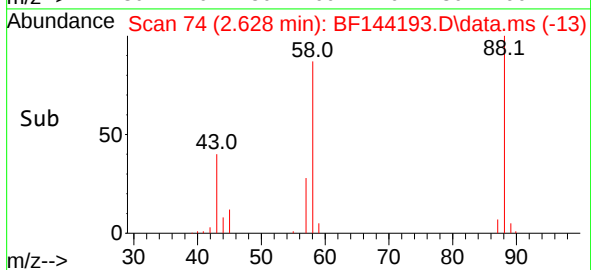
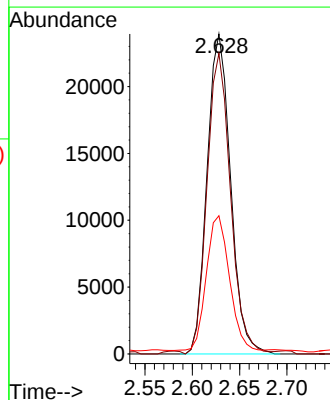
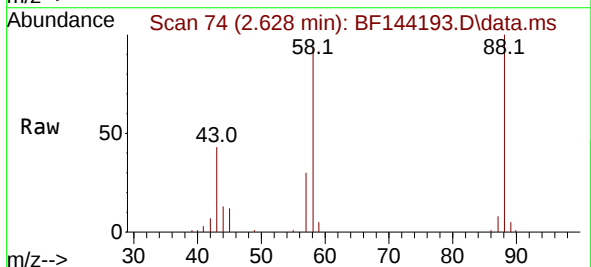
Instrument :
 BNA_F
 ClientSampleId :
 MW-9

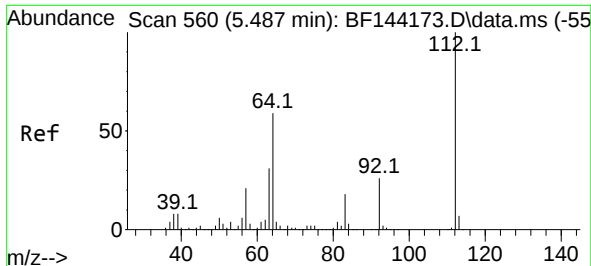
Tgt Ion:152 Resp: 61143
 Ion Ratio Lower Upper
 152 100
 150 158.9 127.4 191.0
 115 63.1 49.5 74.3



#2
 1,4-Dioxane
 Concen: 25.574 ng
 RT: 2.628 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: BF144193.D
 Acq: 06 Nov 2025 17:53

Tgt Ion: 88 Resp: 41311
 Ion Ratio Lower Upper
 88 100
 58 93.7 73.1 109.7
 43 41.0 31.0 46.6

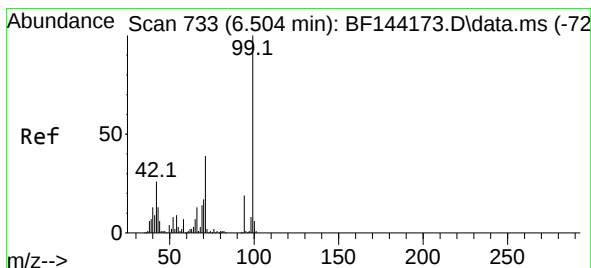
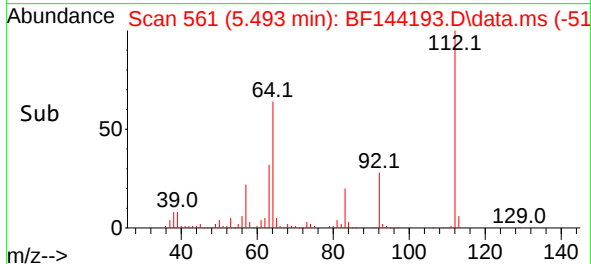
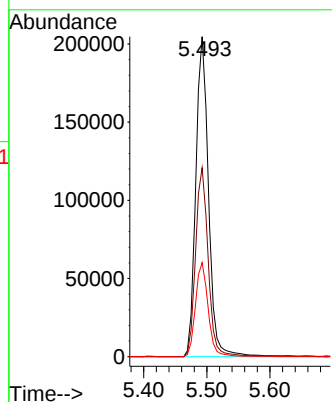
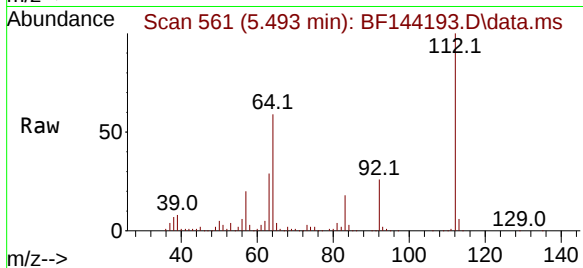




#5
2-Fluorophenol
Concen: 73.316 ng
RT: 5.493 min Scan# 501
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

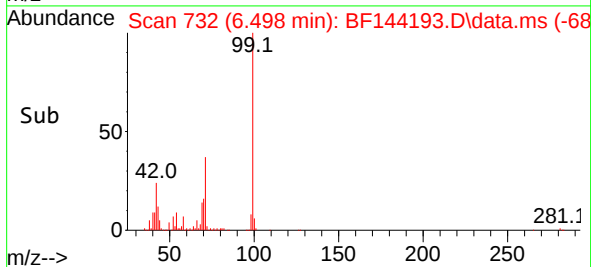
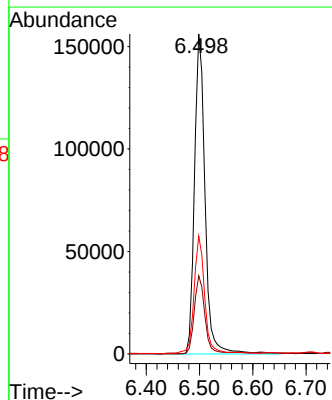
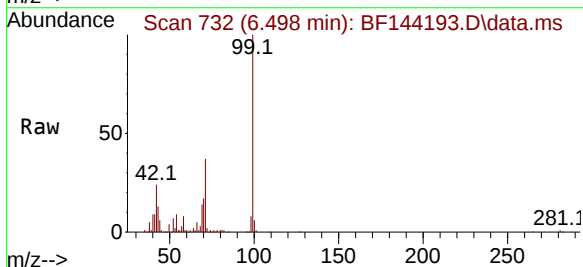
Instrument :
BNA_F
ClientSampleId :
MW-9

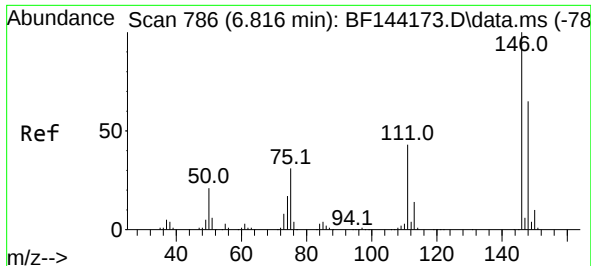
Tgt Ion:112 Resp: 286460
Ion Ratio Lower Upper
112 100
64 59.0 47.2 70.8
63 29.4 24.4 36.6



#7
Phenol-d6
Concen: 48.731 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion: 99 Resp: 215740
Ion Ratio Lower Upper
99 100
42 24.4 20.9 31.3
71 36.8 31.4 47.2





#12

1,3-Dichlorobenzene

Concen: 3.651 ng

RT: 6.893 min Scan# 799

Delta R.T. 0.076 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

Instrument :

BNA_F

ClientSampleId :

MW-9

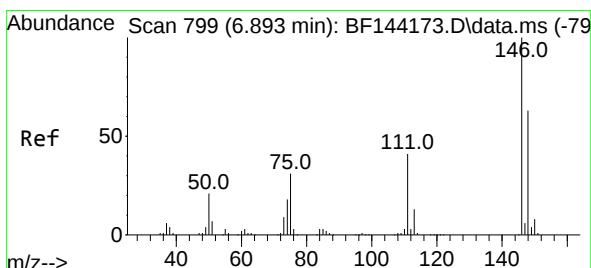
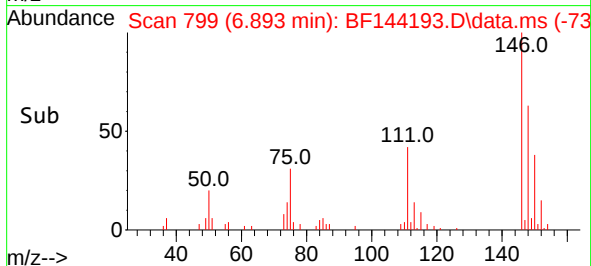
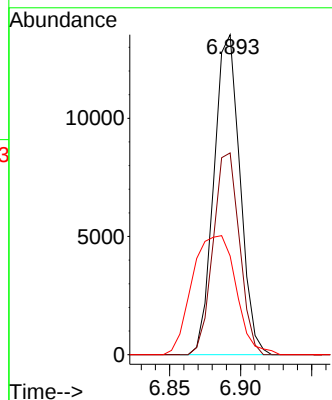
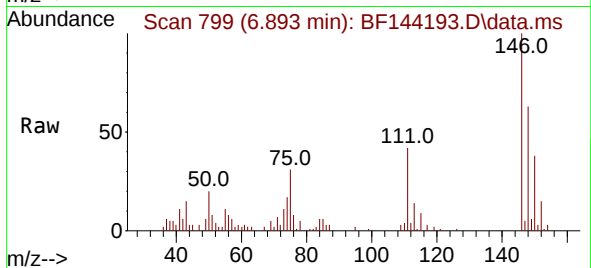
Tgt Ion:146 Resp: 17263

Ion Ratio Lower Upper

146 100

148 63.0 51.8 77.8

75 30.8 25.0 37.4



#13

1,4-Dichlorobenzene

Concen: 3.644 ng

RT: 6.893 min Scan# 799

Delta R.T. -0.000 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

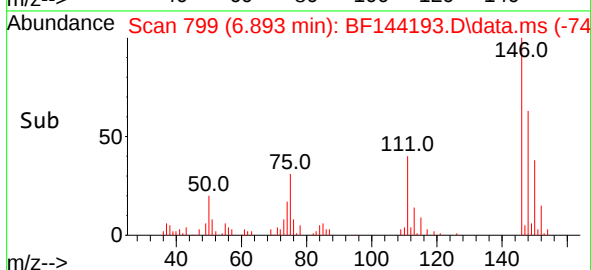
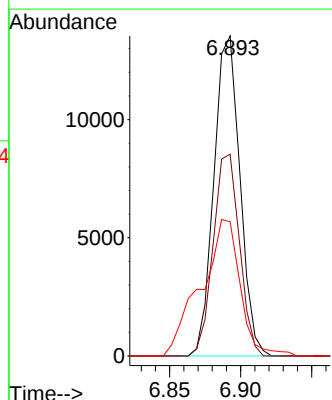
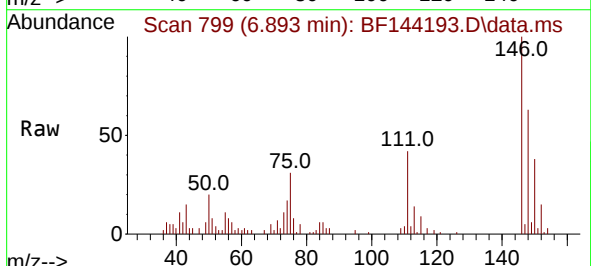
Tgt Ion:146 Resp: 17263

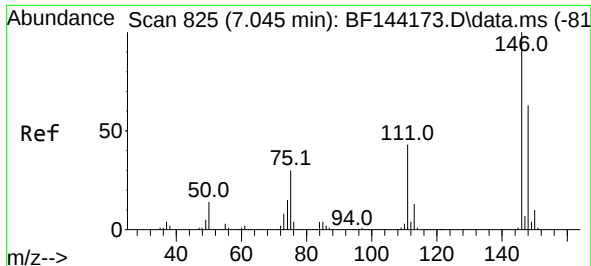
Ion Ratio Lower Upper

146 100

148 63.0 50.2 75.2

111 42.0 32.6 48.8

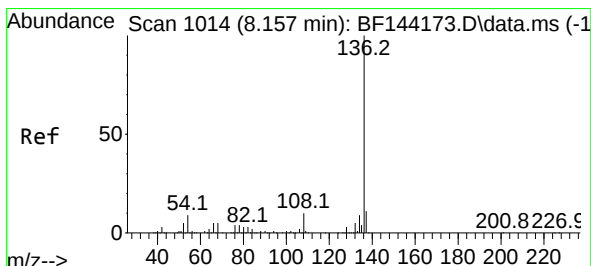
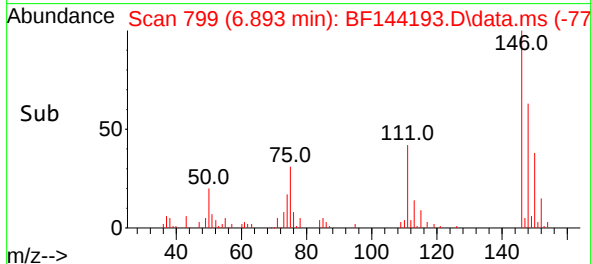
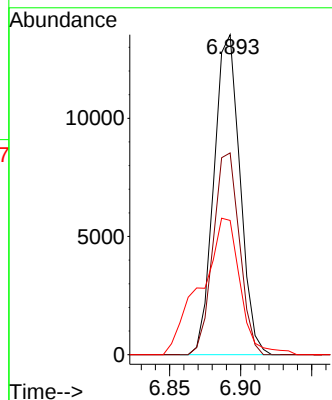
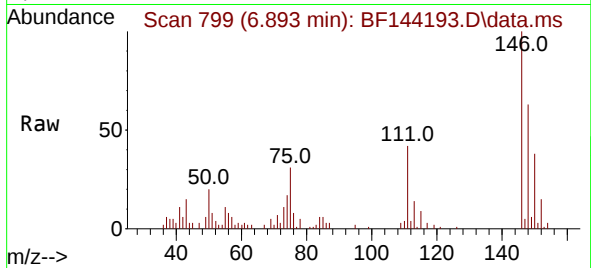




#14
1,2-Dichlorobenzene
Concen: 3.802 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.153 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

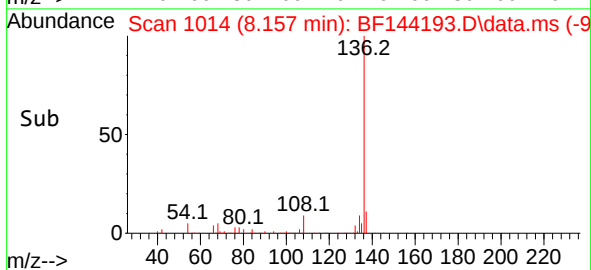
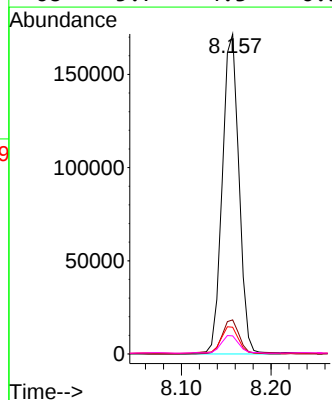
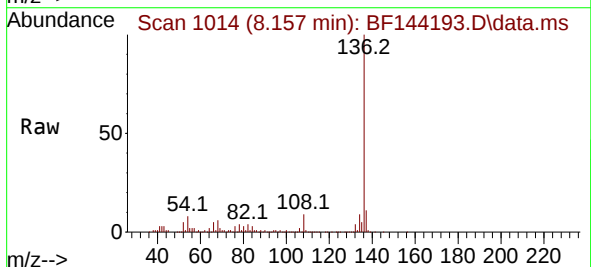
Instrument :
BNA_F
ClientSampleId :
MW-9

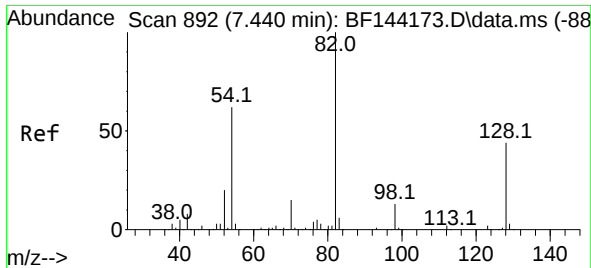
Tgt Ion:146 Resp: 17263
Ion Ratio Lower Upper
146 100
148 63.0 50.7 76.1
111 42.0 34.2 51.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion:136 Resp: 221818
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 7.0 10.6
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 92.015 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.000 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

Instrument :

BNA_F

ClientSampleId :

MW-9

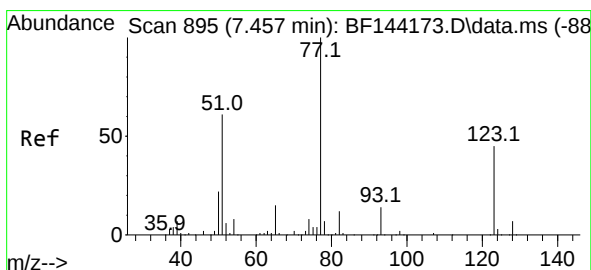
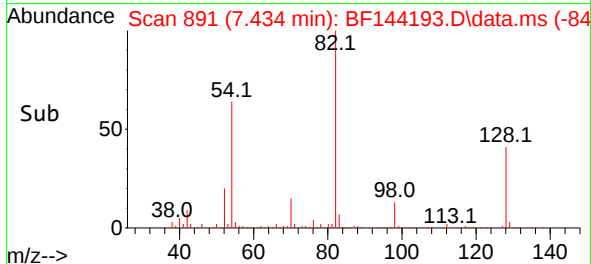
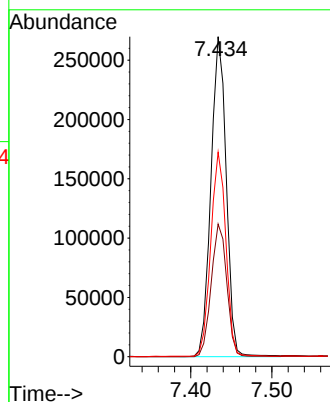
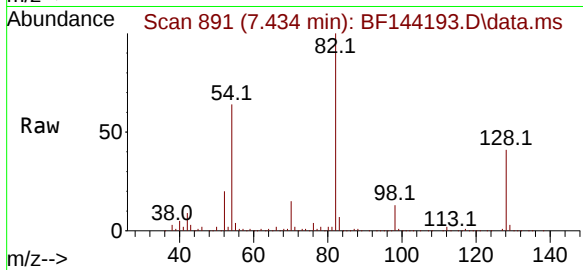
Tgt Ion: 82 Resp: 353401

Ion Ratio Lower Upper

82 100

128 41.5 34.7 52.1

54 63.9 49.5 74.3



#24

Nitrobenzene

Concen: 2.683 ng

RT: 7.410 min Scan# 887

Delta R.T. -0.041 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

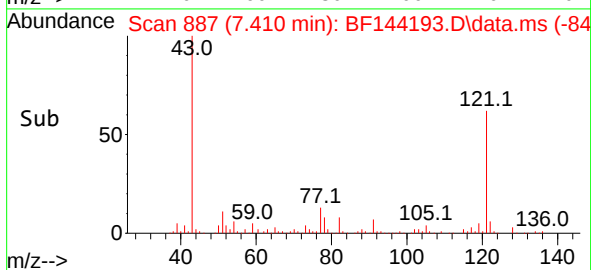
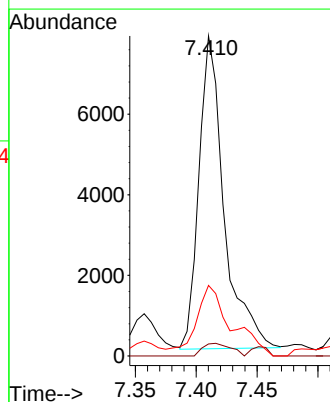
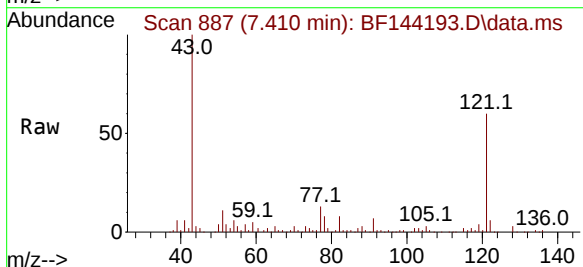
Tgt Ion: 77 Resp: 11189

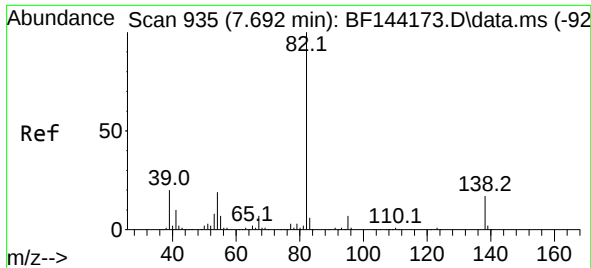
Ion Ratio Lower Upper

77 100

123 3.8 35.8 53.8#

65 22.0 12.2 18.2#

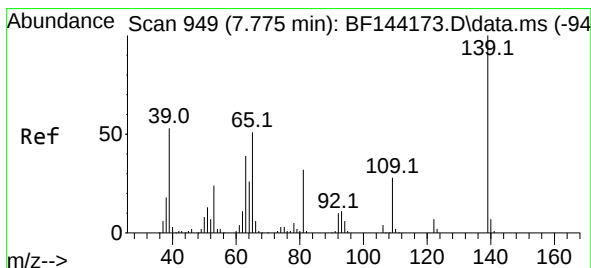
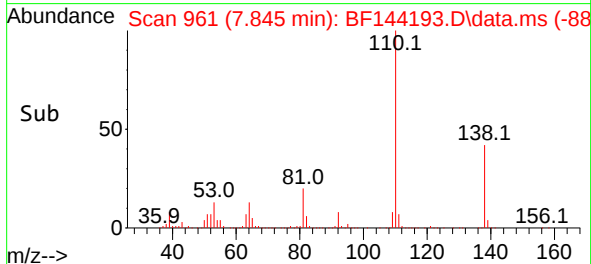
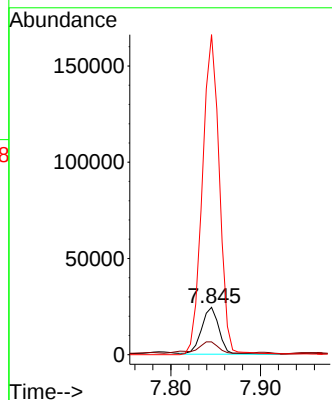
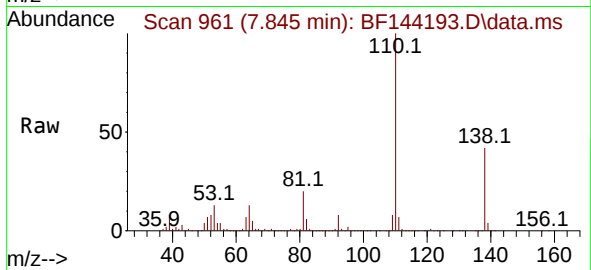




#25
Isophorone
Concen: 4.519 ng
RT: 7.845 min Scan# 90
Delta R.T. 0.159 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

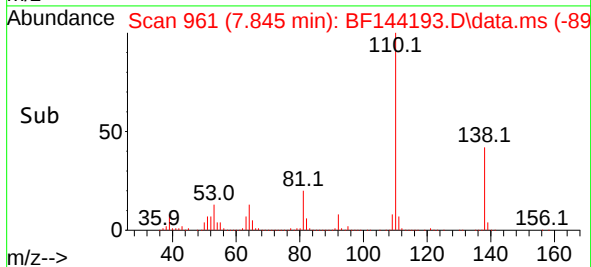
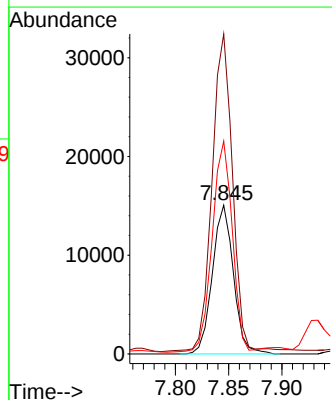
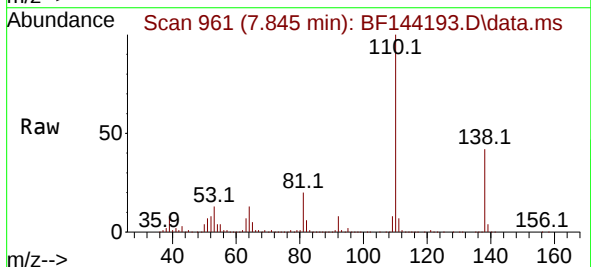
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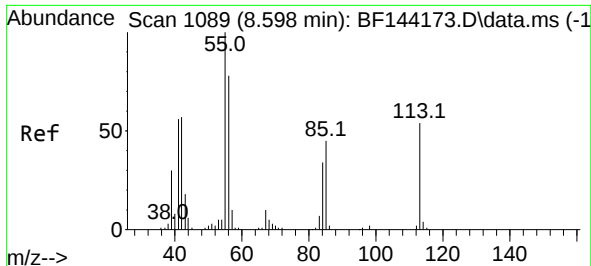
Tgt Ion: 82 Resp: 32827
Ion Ratio Lower Upper
82 100
95 26.9 5.5 8.3#
138 676.6 13.7 20.5#



#26
2-Nitrophenol
Concen: 10.037 ng
RT: 7.845 min Scan# 961
Delta R.T. 0.071 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion:139 Resp: 20718
Ion Ratio Lower Upper
139 100
109 215.1 22.2 33.2#
65 143.1 40.7 61.1#





#35

Caprolactam

Concen: 2.196 ng

RT: 8.610 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

Instrument :

BNA_F

ClientSampleId :

MW-9

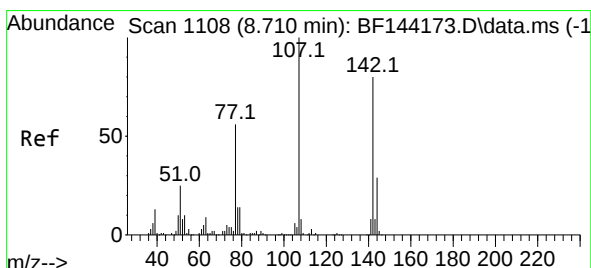
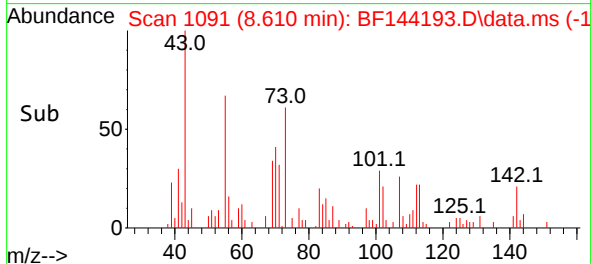
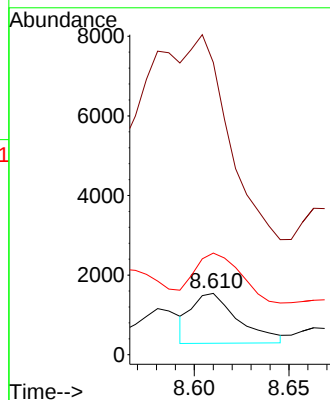
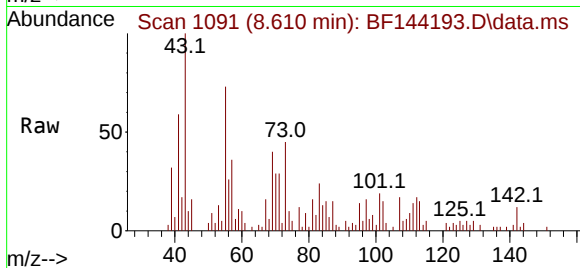
Tgt Ion:113 Resp: 2145

Ion Ratio Lower Upper

113 100

55 476.4 166.8 206.8#

56 165.5 125.9 165.9



#36

4-Chloro-3-methylphenol

Concen: 4.389 ng

RT: 8.722 min Scan# 1110

Delta R.T. 0.018 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

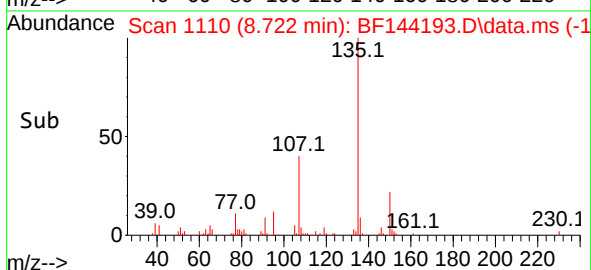
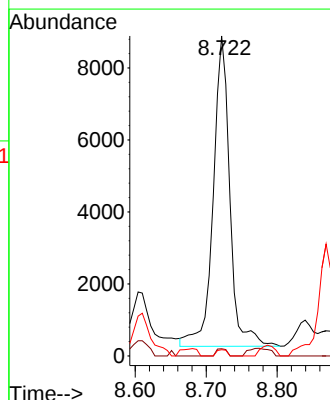
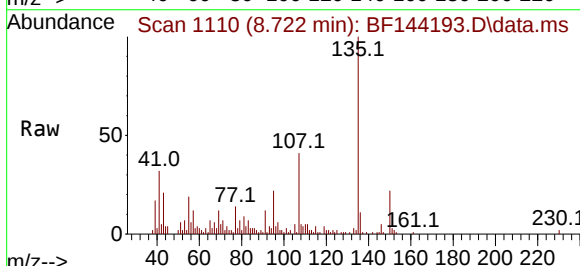
Tgt Ion:107 Resp: 14026

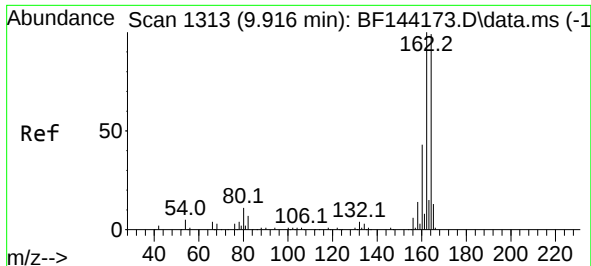
Ion Ratio Lower Upper

107 100

144 2.2 23.3 34.9#

142 2.0 63.8 95.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

Instrument :

BNA_F

ClientSampleId :

MW-9

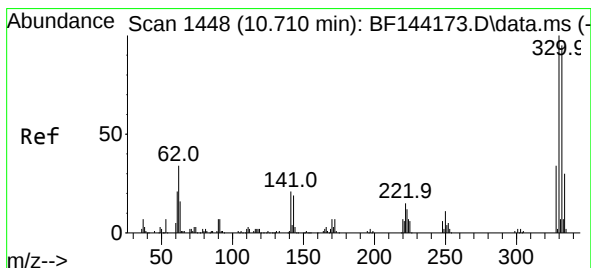
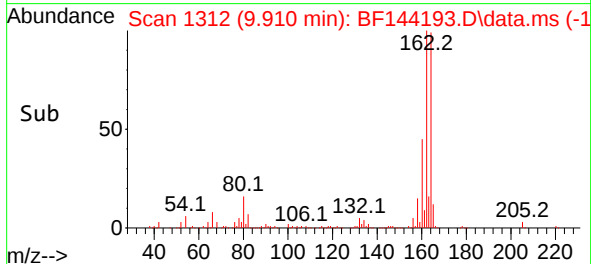
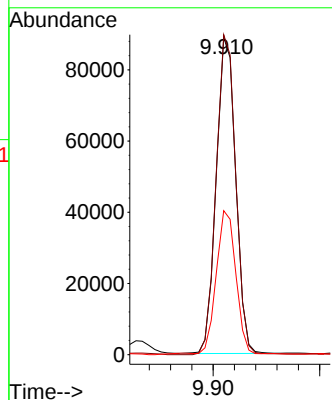
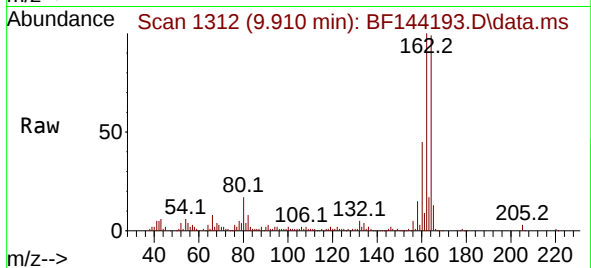
Tgt Ion:164 Resp: 112288

Ion Ratio Lower Upper

164 100

162 100.8 81.1 121.7

160 45.4 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 124.959 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

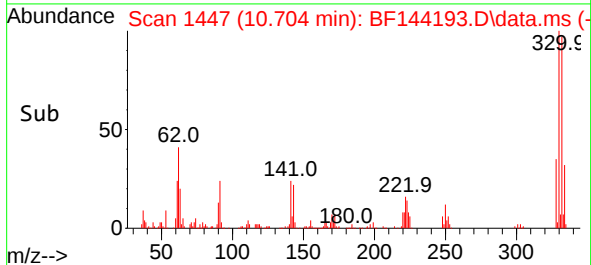
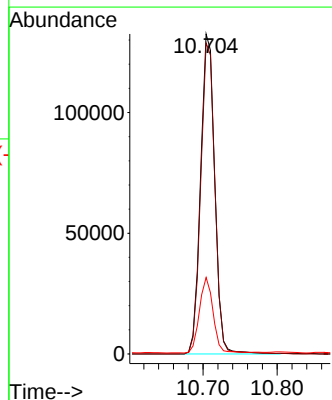
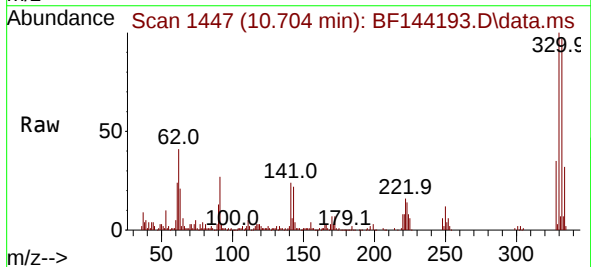
Tgt Ion:330 Resp: 176078

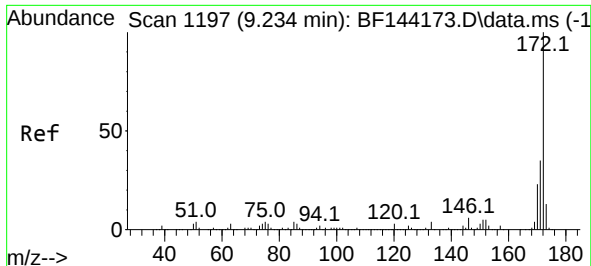
Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

141 22.7 17.8 26.8

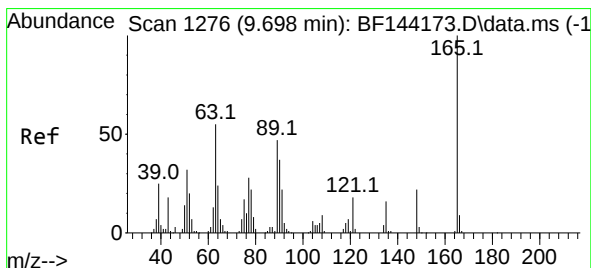
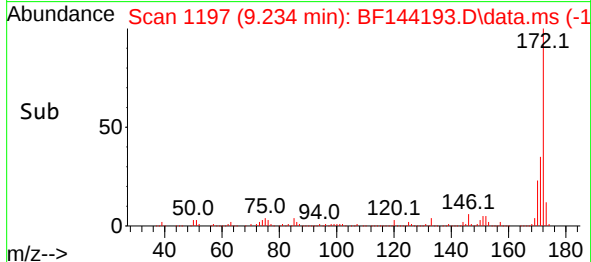
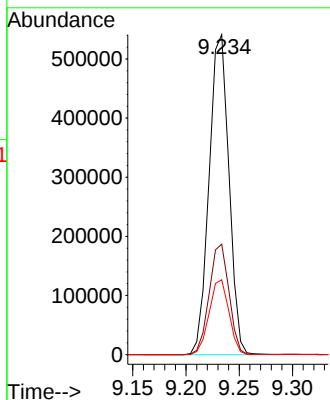
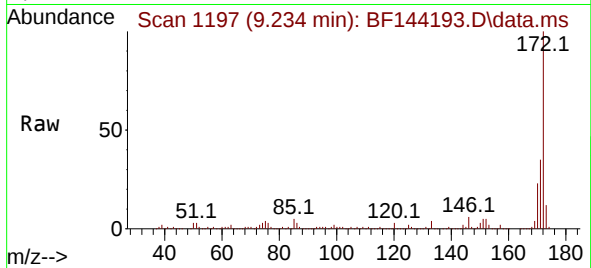




#45
2-Fluorobiphenyl
Concen: 92.439 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

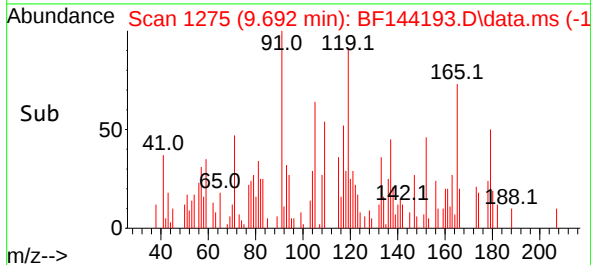
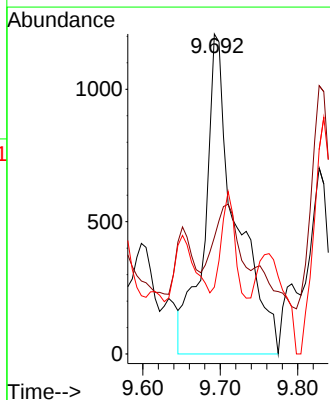
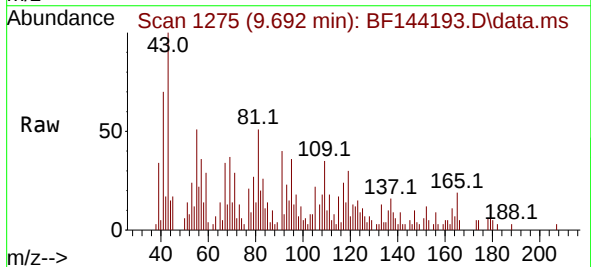
Instrument :
BNA_F
ClientSampleId :
MW-9

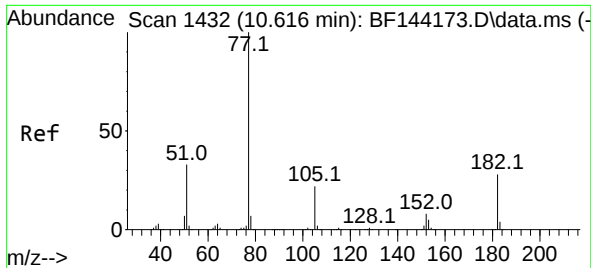
Tgt Ion:172 Resp: 702796
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.4 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 2.243 ng
RT: 9.692 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion:165 Resp: 3377
Ion Ratio Lower Upper
165 100
63 36.5 43.8 65.8#
89 20.9 37.5 56.3#

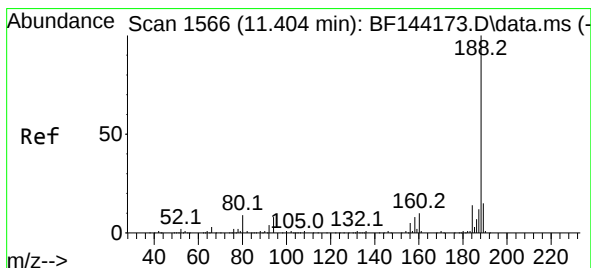
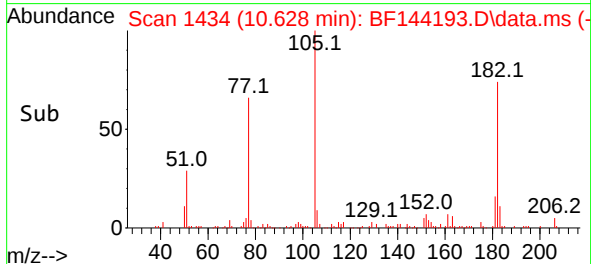
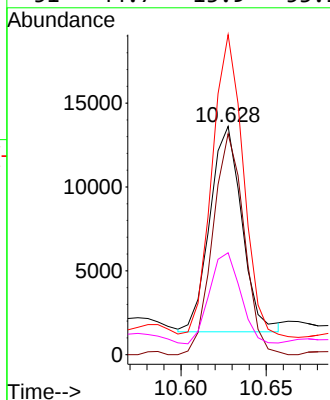
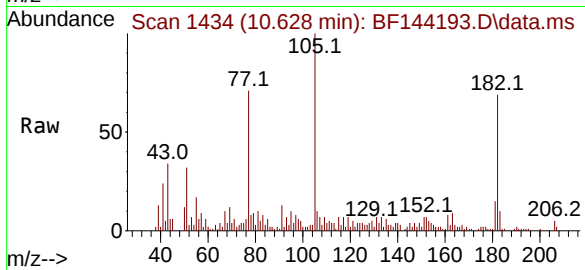




#63
Azobenzene
Concen: 2.516 ng
RT: 10.628 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

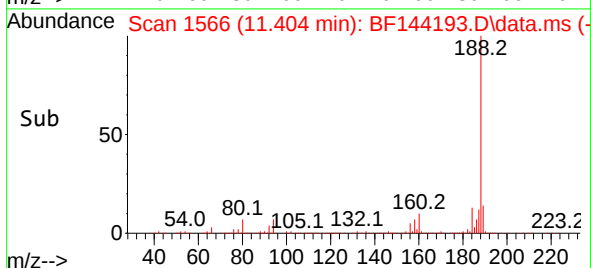
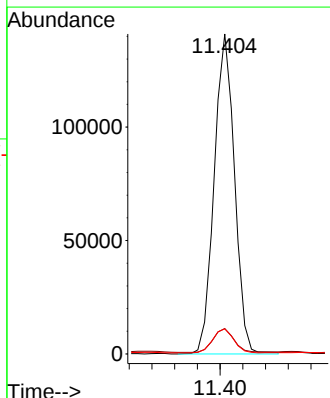
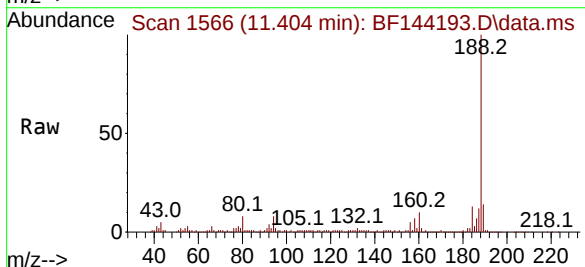
Instrument :
BNA_F
ClientSampleId :
MW-9

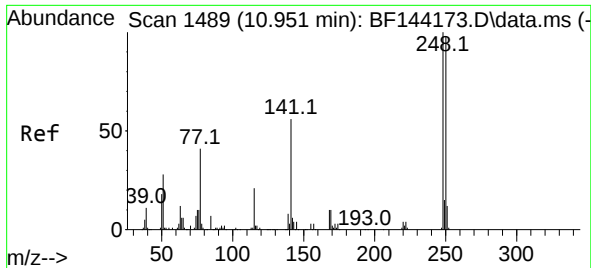
Tgt Ion: 77	Resp: 16058
Ion Ratio	Lower Upper
77 100	
182 96.8	8.1 48.1#
105 140.2	2.0 42.0#
51 44.7	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion: 188	Resp: 175620
Ion Ratio	Lower Upper
188 100	
94 7.9	6.2 9.2
80 7.8	6.9 10.3

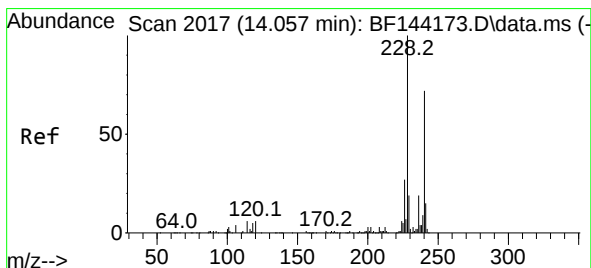
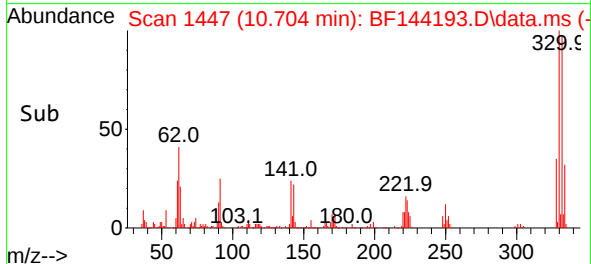
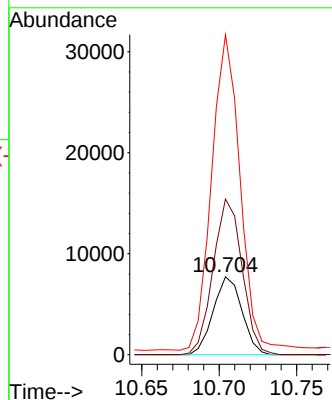
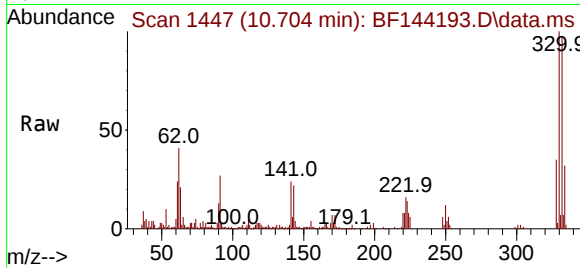




#67
4-Bromophenyl-phenylether
Concen: 4.441 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

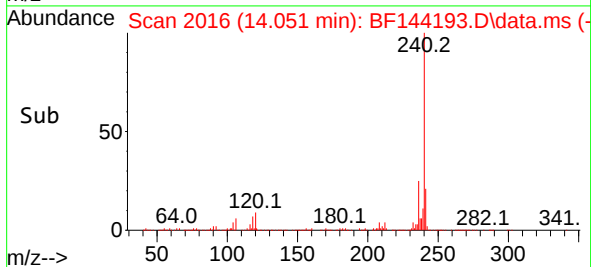
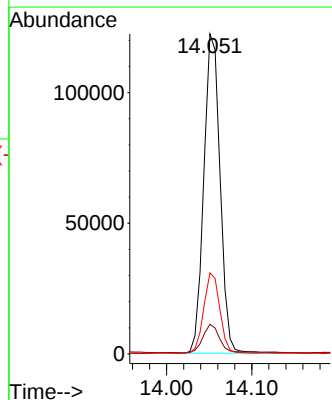
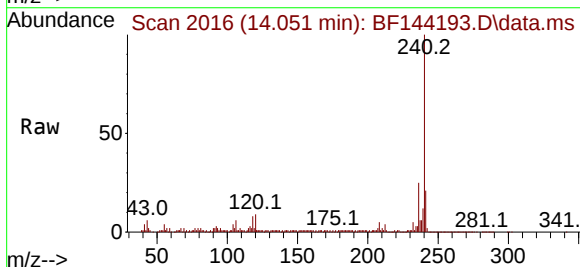
Instrument :
BNA_F
ClientSampleId :
MW-9

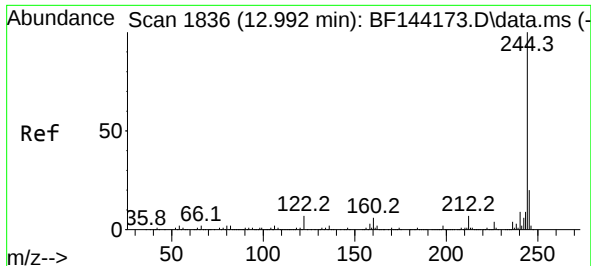
Tgt Ion:248 Resp: 9954
Ion Ratio Lower Upper
248 100
250 199.5 78.4 117.6#
141 410.3 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

Tgt Ion:240 Resp: 162091
Ion Ratio Lower Upper
240 100
120 9.2 6.6 10.0
236 25.3 21.4 32.2

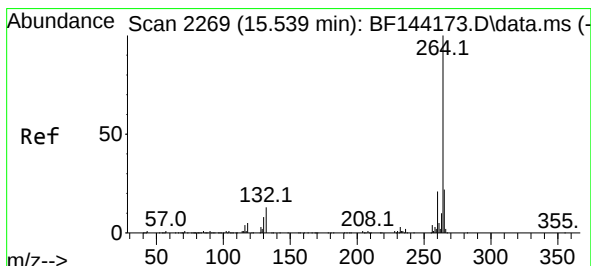
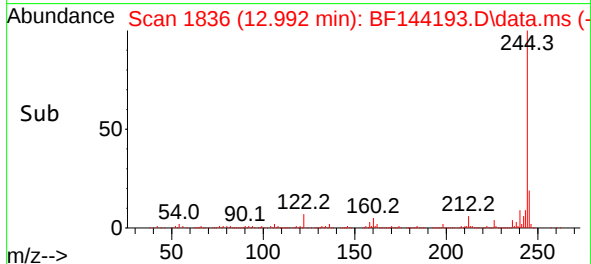
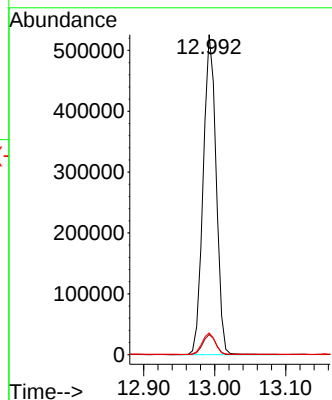
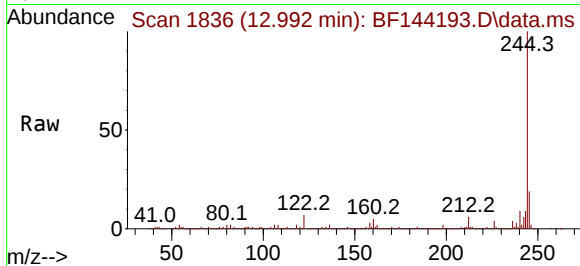




#79
 Terphenyl-d14
 Concen: 65.672 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.000 min
 Lab File: BF144193.D
 Acq: 06 Nov 2025 17:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Tgt Ion:244 Resp: 670155
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 6.8 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: BF144193.D
 Acq: 06 Nov 2025 17:53

Tgt Ion:264 Resp: 216815
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.1 25.7
 265 20.6 17.4 26.0

