

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144192.D
 Acq On : 06 Nov 2025 17:24
 Operator : RC/JU
 Sample : Q3534-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-EB-1

Quant Time: Nov 07 00:00:59 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)

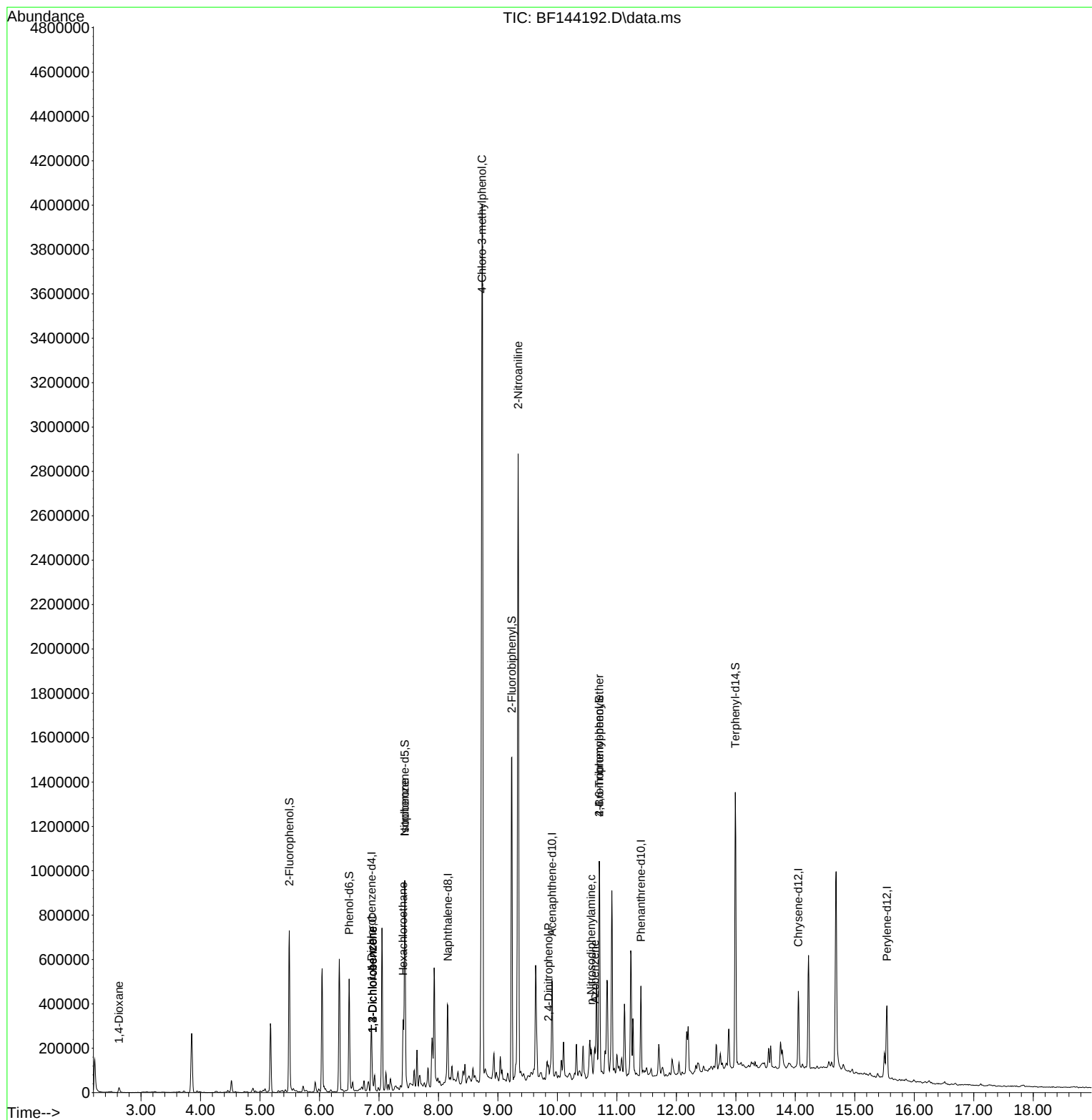
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62761	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	229494	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	120957	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	183106	20.000	ng	0.00
76) Chrysene-d12	14.051	240	157153	20.000	ng	0.00
86) Perylene-d12	15.539	264	214152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	289194	72.107	ng	0.00
7) Phenol-d6	6.498	99	221314	48.701	ng	0.00
23) Nitrobenzene-d5	7.434	82	353190	88.885	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	182170	120.017	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	707859	86.432	ng	0.00
79) Terphenyl-d14	12.992	244	654961	66.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	11907	7.181	ng	97
12) 1,3-Dichlorobenzene	6.893	146	16898	3.482	ng	96
13) 1,4-Dichlorobenzene	6.893	146	16898	3.475	ng	94
14) 1,2-Dichlorobenzene	6.893	146	16898	3.626	ng	93
18) Hexachloroethane	7.404	117	23278	14.410	ng	# 1
25) Isophorone	7.434	82	353190	46.991	ng	# 66
36) 4-Chloro-3-methylphenol	8.734	107	919547	278.104	ng	# 19
48) 2-Nitroaniline	9.339	65	79959	38.478	ng	# 16
54) 2,4-Dinitrophenol	9.851	184	5377	5.489	ng	# 37
63) Azobenzene	10.628	77	23610	3.434	ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	21832	3.707	ng	96
67) 4-Bromophenyl-phenylether	10.704	248	10633	4.549	ng	# 1

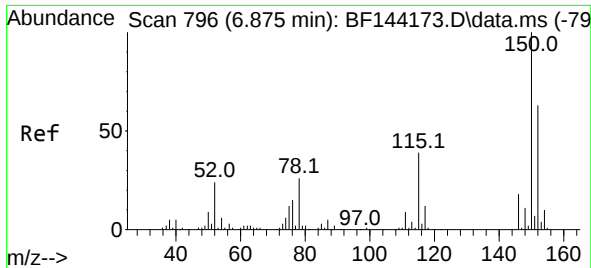
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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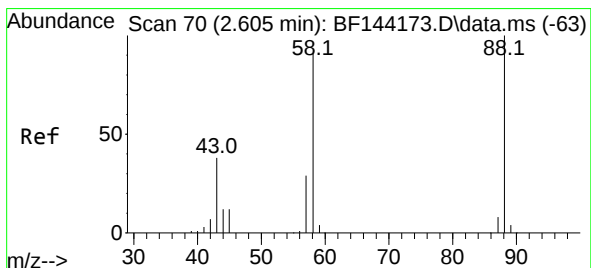
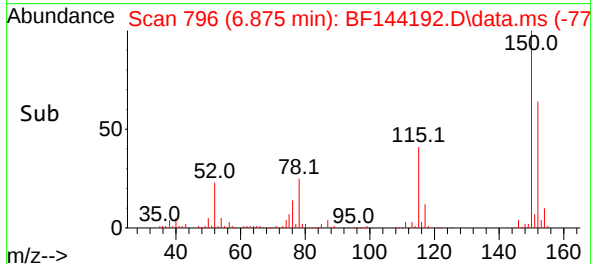
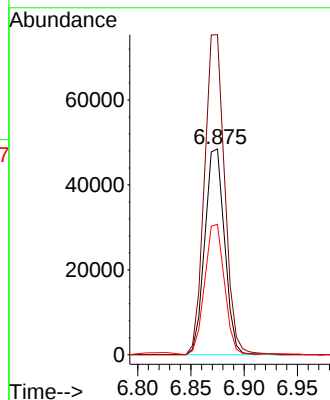
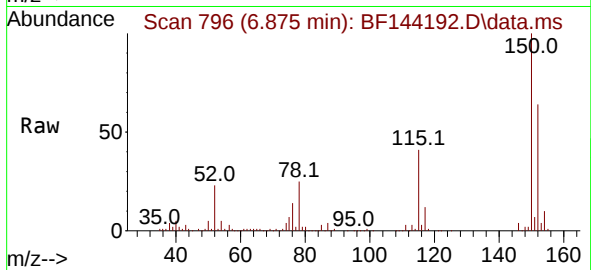




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: BF144192.D
 Acq: 06 Nov 2025 17:24

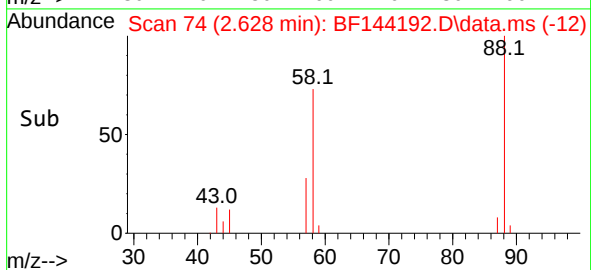
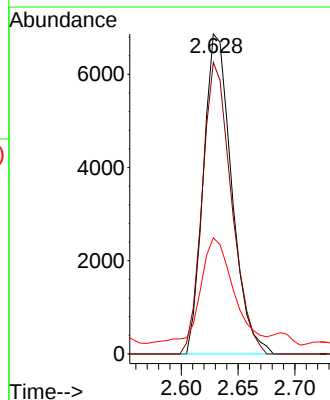
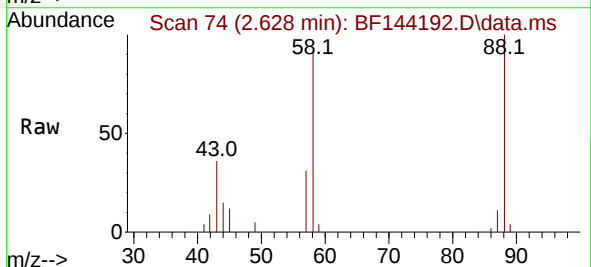
Instrument :
 BNA_F
 ClientSampleId :
 MW-EB-1

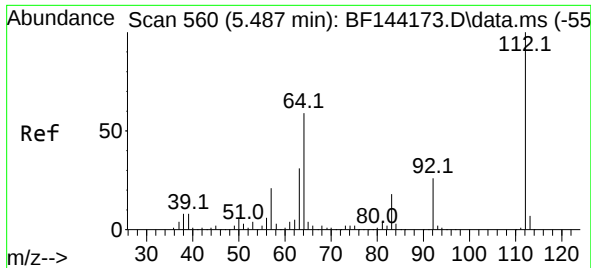
Tgt Ion:152 Resp: 62761
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.4 191.0
 115 63.3 49.5 74.3



#2
 1,4-Dioxane
 Concen: 7.181 ng
 RT: 2.628 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: BF144192.D
 Acq: 06 Nov 2025 17:24

Tgt Ion: 88 Resp: 11907
 Ion Ratio Lower Upper
 88 100
 58 93.7 73.1 109.7
 43 36.6 31.0 46.6

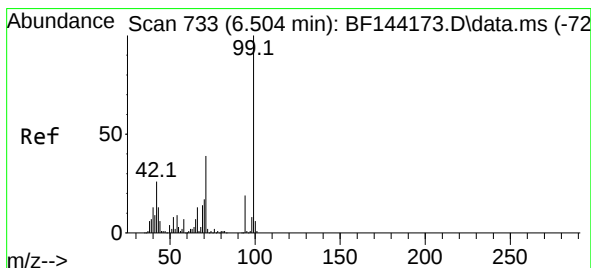
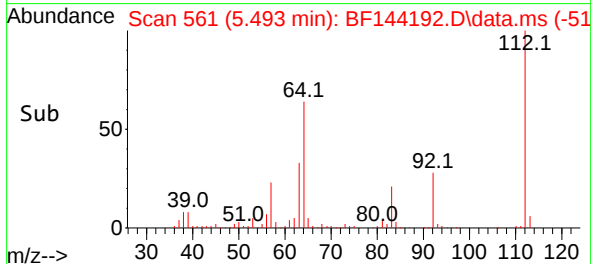
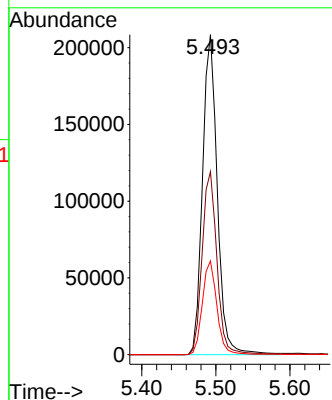
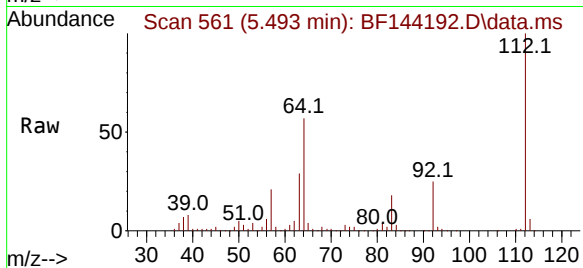




#5
2-Fluorophenol
Concen: 72.107 ng
RT: 5.493 min Scan# 501
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

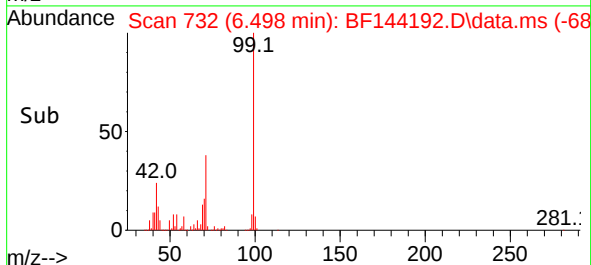
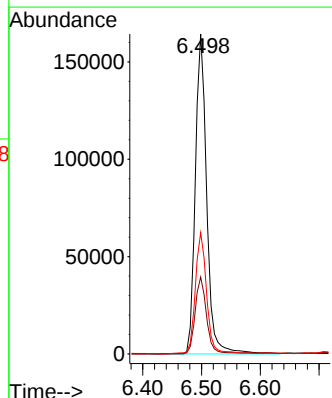
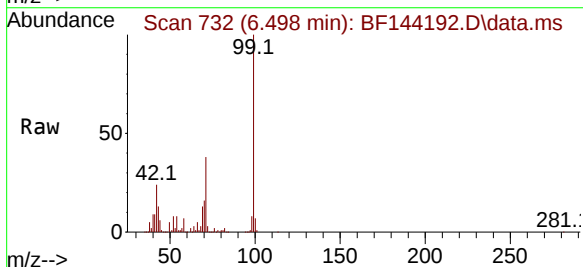
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

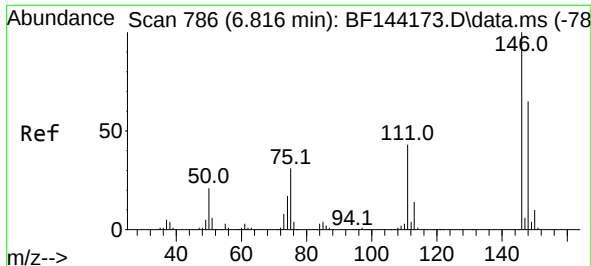
Tgt Ion:112 Resp: 289194
Ion Ratio Lower Upper
112 100
64 57.2 47.2 70.8
63 29.3 24.4 36.6



#7
Phenol-d6
Concen: 48.701 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 99 Resp: 221314
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 37.9 31.4 47.2

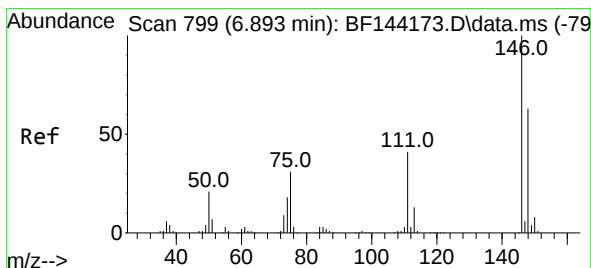
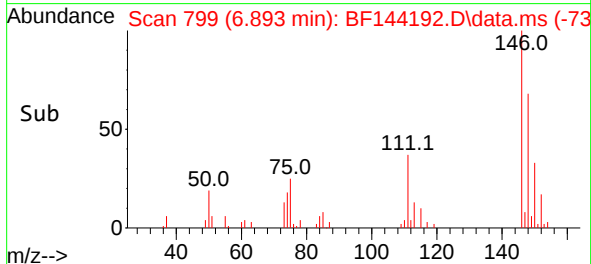
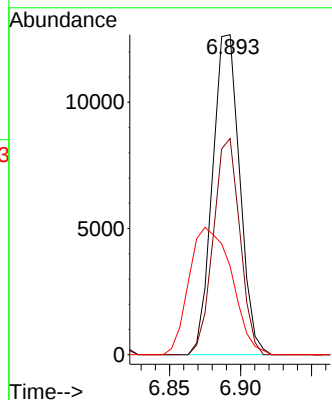
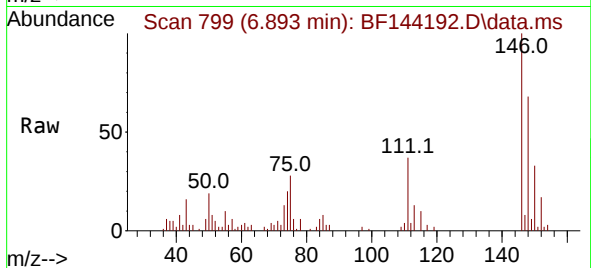




#12
1,3-Dichlorobenzene
Concen: 3.482 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.076 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

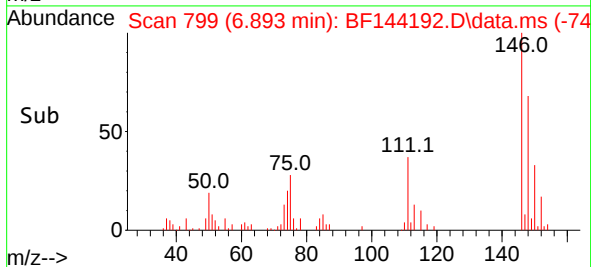
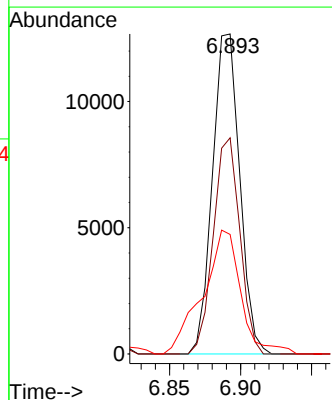
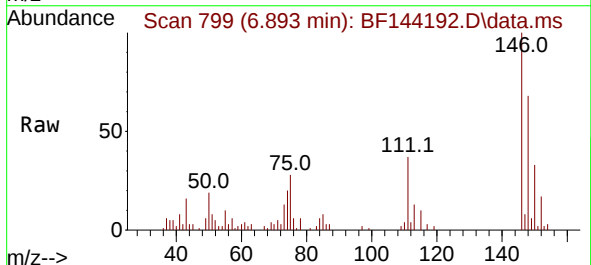
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

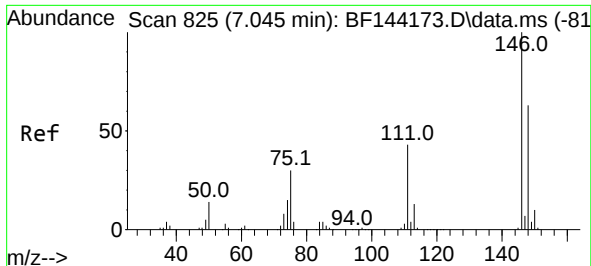
Tgt Ion:146 Resp: 16898
Ion Ratio Lower Upper
146 100
148 67.6 51.8 77.8
75 27.6 25.0 37.4



#13
1,4-Dichlorobenzene
Concen: 3.475 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:146 Resp: 16898
Ion Ratio Lower Upper
146 100
148 67.6 50.2 75.2
111 37.4 32.6 48.8

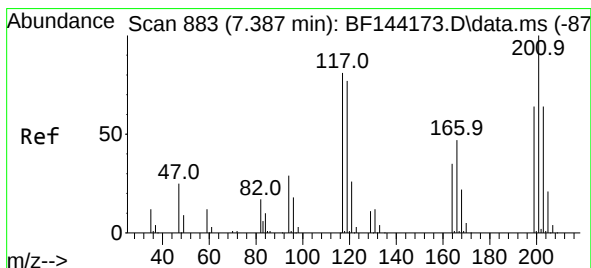
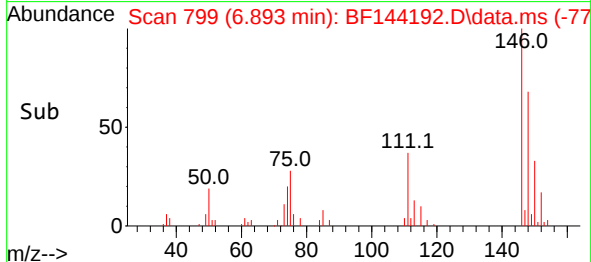
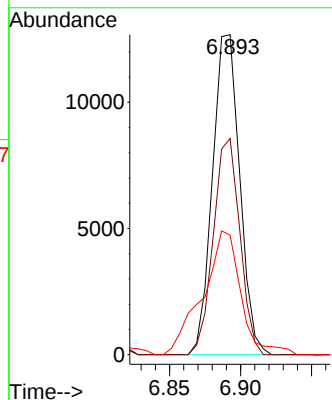
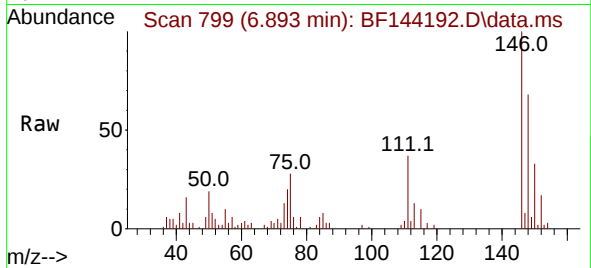




#14
1,2-Dichlorobenzene
Concen: 3.626 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.153 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

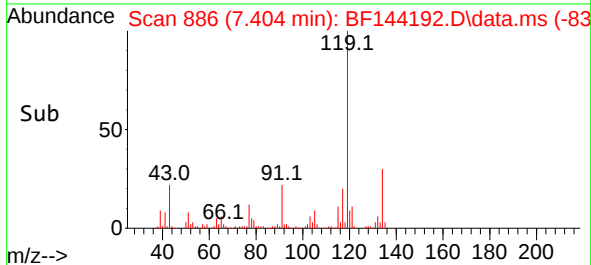
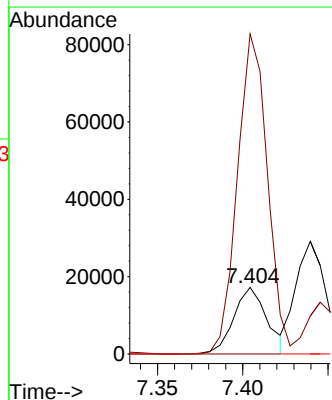
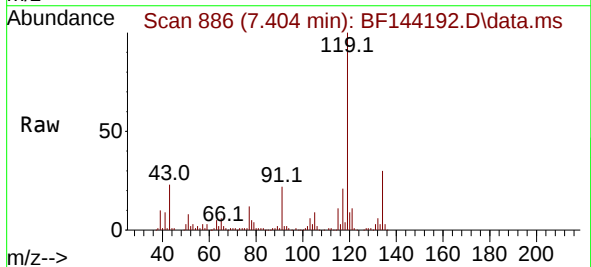
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

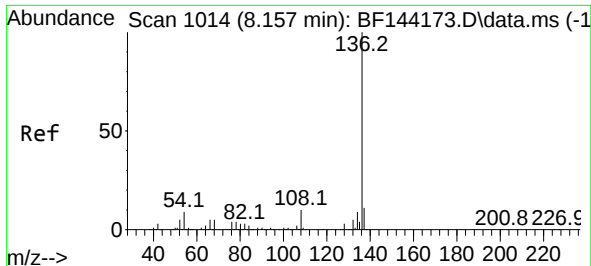
Tgt Ion:146 Resp: 16898
Ion Ratio Lower Upper
146 100
148 67.6 50.7 76.1
111 37.4 34.2 51.4



#18
Hexachloroethane
Concen: 14.410 ng
RT: 7.404 min Scan# 886
Delta R.T. 0.018 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:117 Resp: 23278
Ion Ratio Lower Upper
117 100
119 481.2 75.8 113.8#
201 0.0 98.9 148.3#



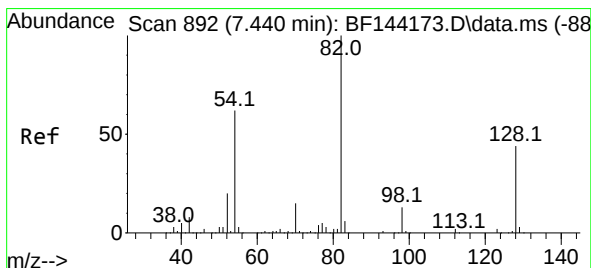
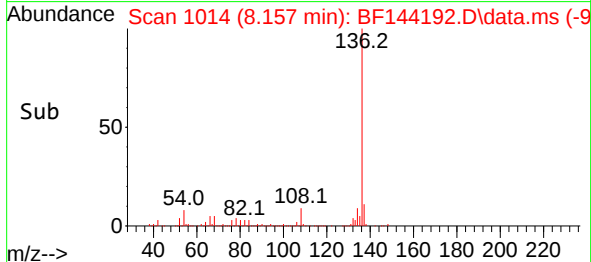
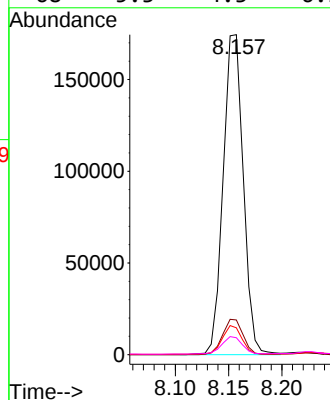
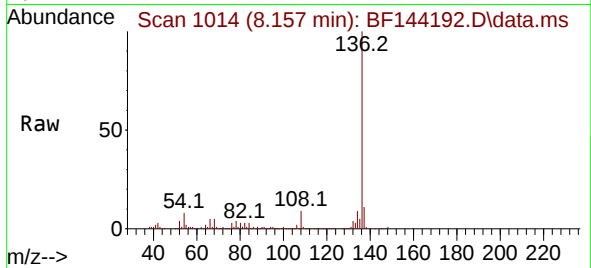


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Instrument :
BNA_F
ClientSampleId :
MW-EB-1

Tgt Ion:136 Resp: 229494

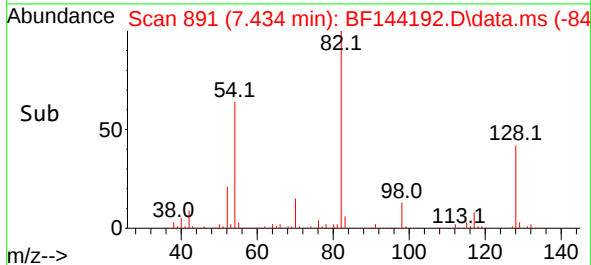
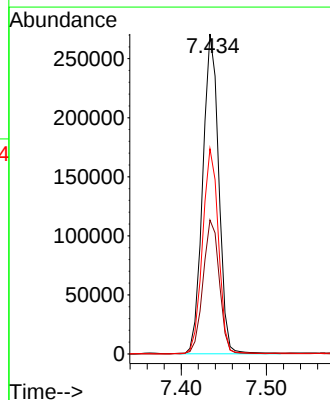
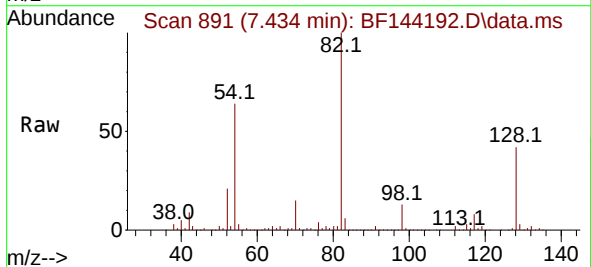
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.3	4.3	6.5

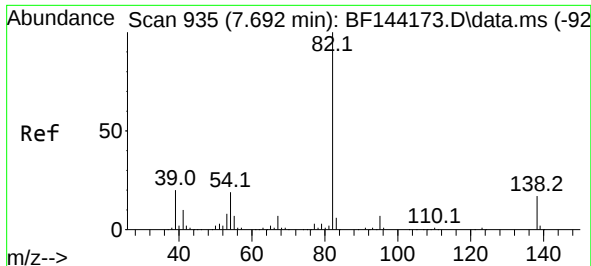


#23
Nitrobenzene-d5
Concen: 88.885 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 82 Resp: 353190

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.7	52.1
54	64.1	49.5	74.3

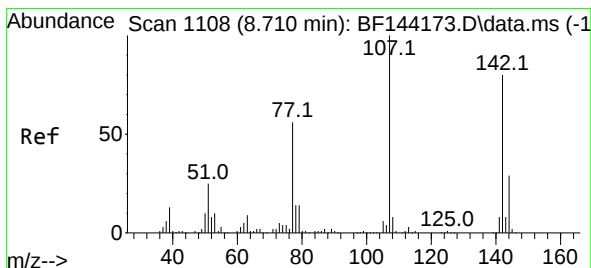
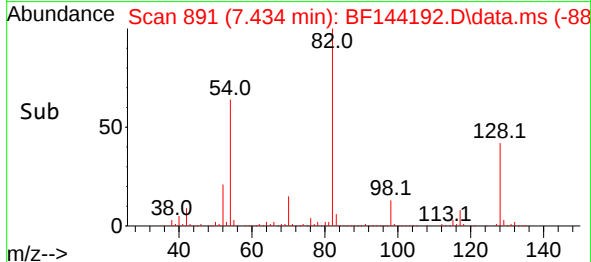
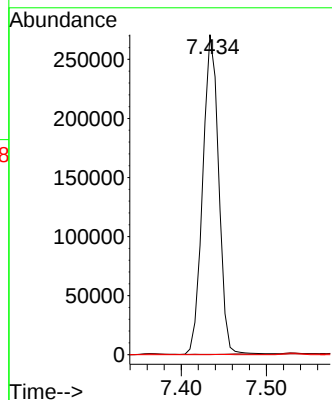
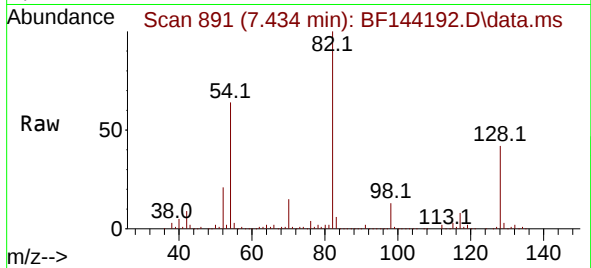




#25
Isophorone
Concen: 46.991 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

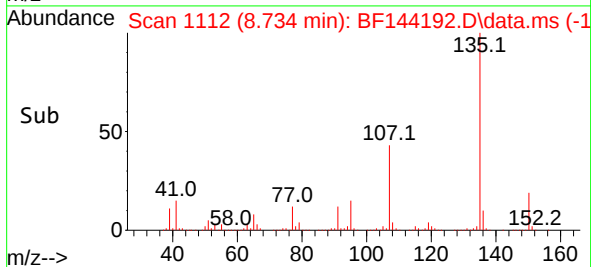
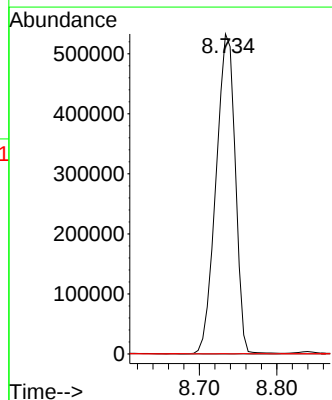
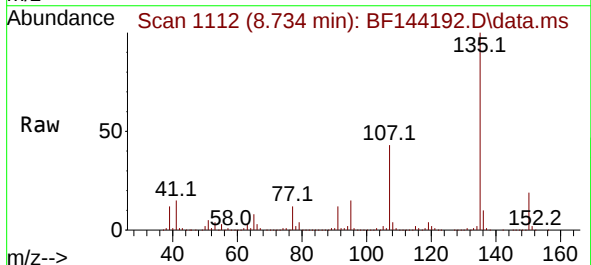
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ClientSampleId :
MW-EB-1

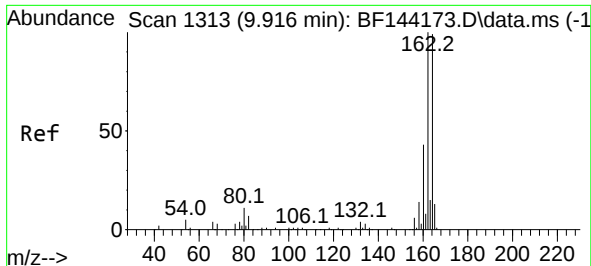
Tgt Ion: 82 Resp: 353190
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.7 20.5#



#36
4-Chloro-3-methylphenol
Concen: 278.104 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.029 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 107 Resp: 919547
Ion Ratio Lower Upper
107 100
144 0.0 23.3 34.9#
142 0.1 63.8 95.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

Instrument :

BNA_F

ClientSampleId :

MW-EB-1

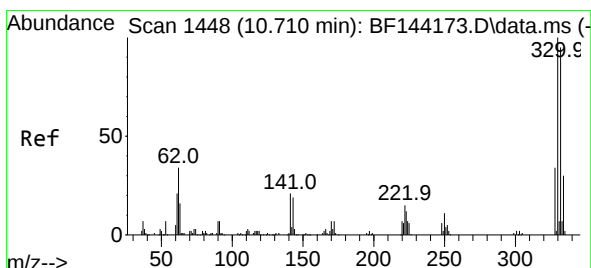
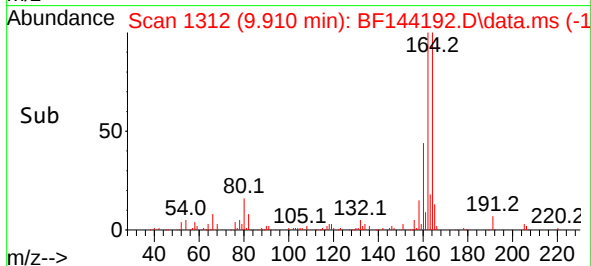
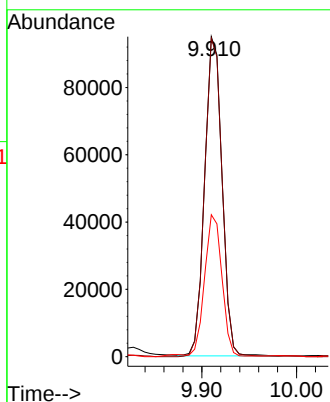
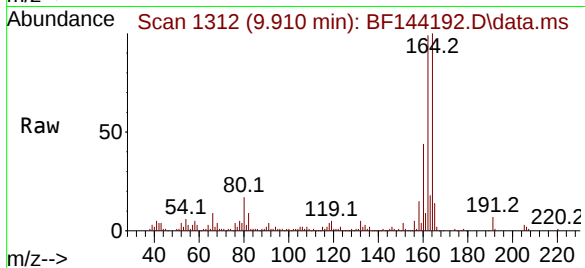
Tgt Ion:164 Resp: 120957

Ion Ratio Lower Upper

164 100

162 99.5 81.1 121.7

160 44.3 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 120.017 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

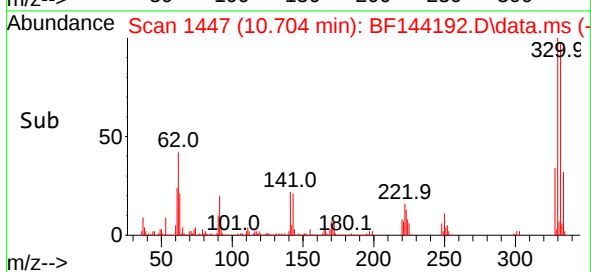
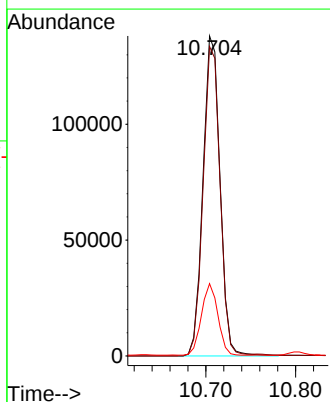
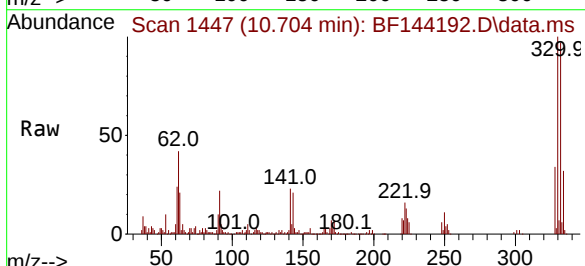
Tgt Ion:330 Resp: 182170

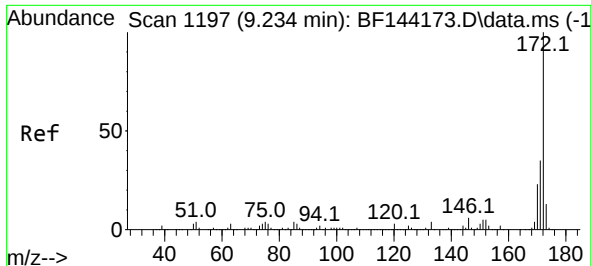
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 21.5 17.8 26.8

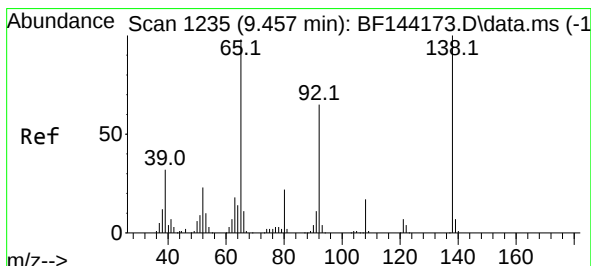
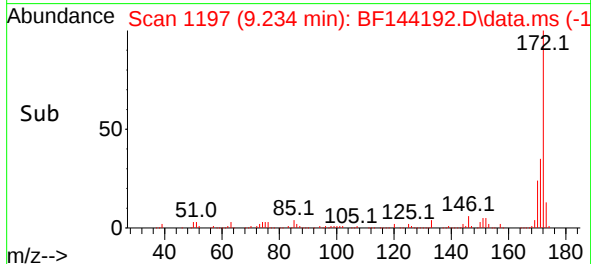
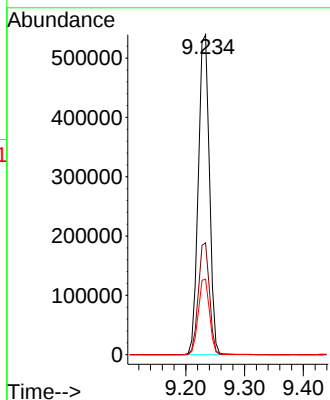
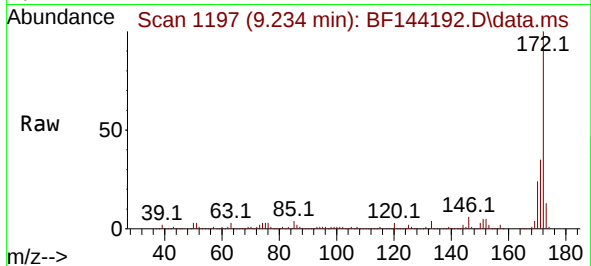




#45
2-Fluorobiphenyl
Concen: 86.432 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

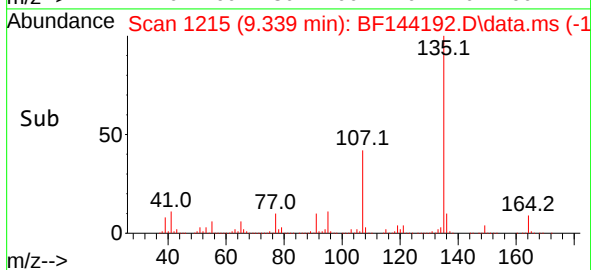
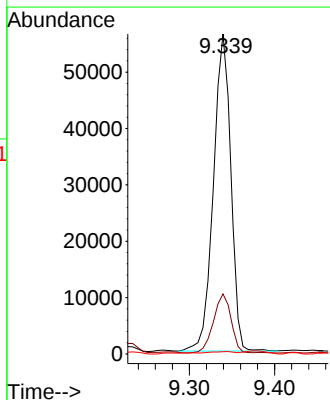
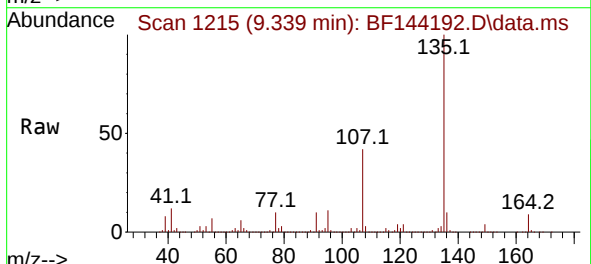
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

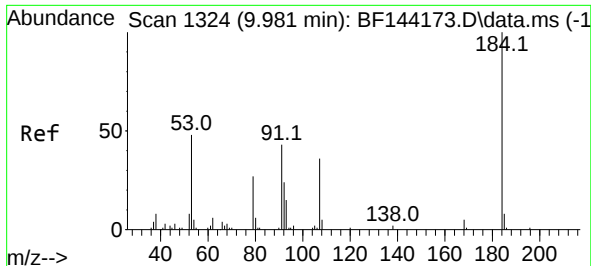
Tgt Ion:172 Resp: 707859
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.6 18.6 28.0



#48
2-Nitroaniline
Concen: 38.478 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.118 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion: 65 Resp: 79959
Ion Ratio Lower Upper
65 100
92 18.7 53.0 79.6#
138 0.7 81.6 122.4#





#54

2,4-Dinitrophenol

Concen: 5.489 ng

RT: 9.851 min Scan# 1

Delta R.T. -0.135 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

Instrument :

BNA_F

ClientSampleId :

MW-EB-1

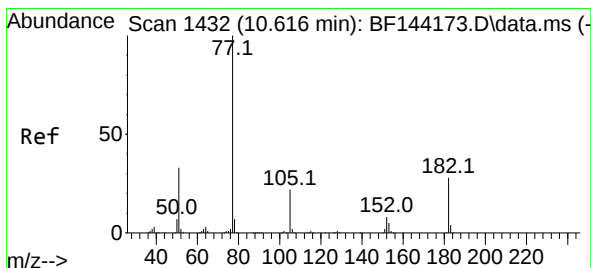
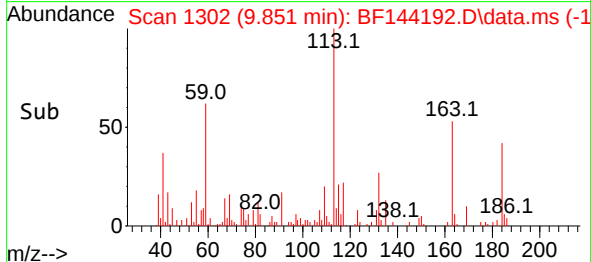
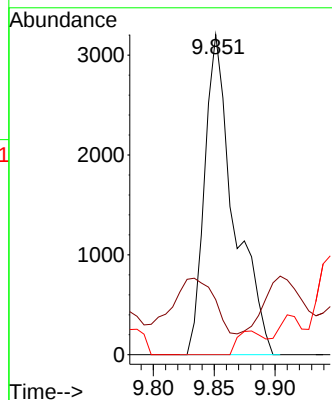
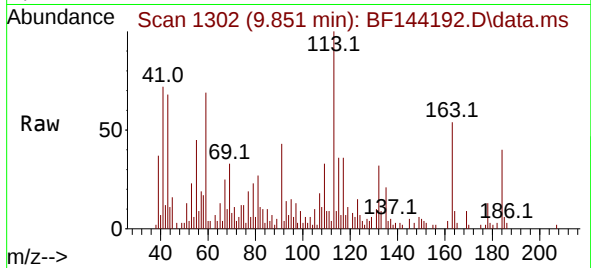
Tgt Ion:184 Resp: 5377

Ion Ratio Lower Upper

184 100

63 17.2 44.0 66.0#

154 0.0 42.4 63.6#



#63

Azobenzene

Concen: 3.434 ng

RT: 10.628 min Scan# 1434

Delta R.T. 0.012 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

Tgt Ion: 77 Resp: 23610

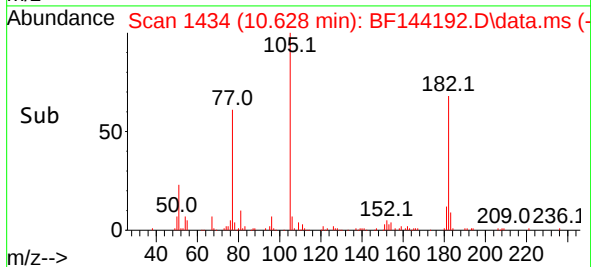
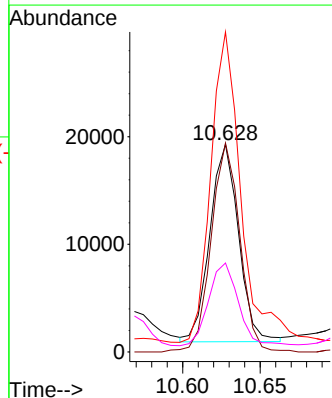
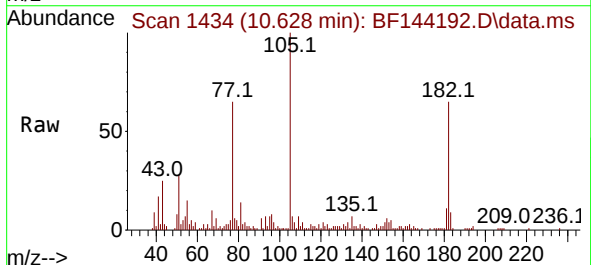
Ion Ratio Lower Upper

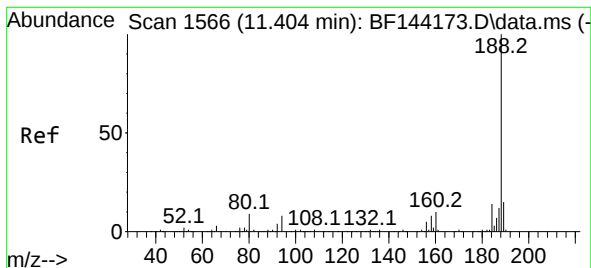
77 100

182 100.7 8.1 48.1#

105 154.2 2.0 42.0#

51 42.8 13.9 53.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

Instrument :

BNA_F

ClientSampleId :

MW-EB-1

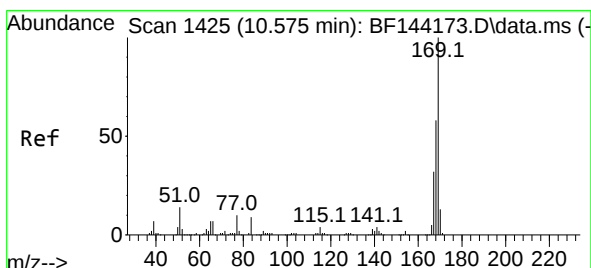
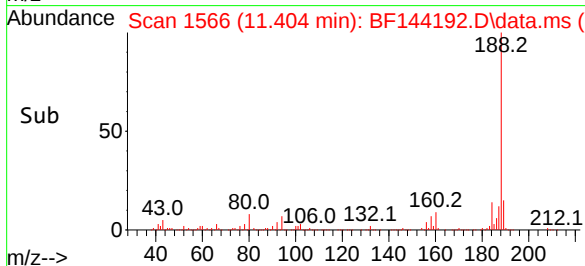
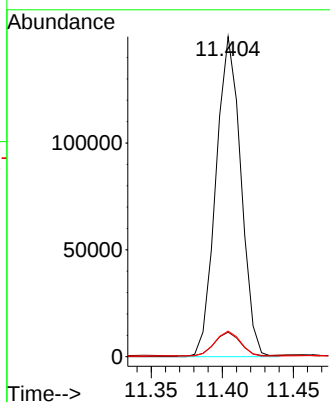
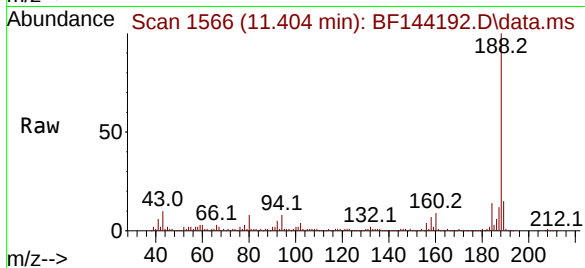
Tgt Ion:188 Resp: 183106

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.2

80 8.0 6.9 10.3



#66

n-Nitrosodiphenylamine

Concen: 3.707 ng

RT: 10.569 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

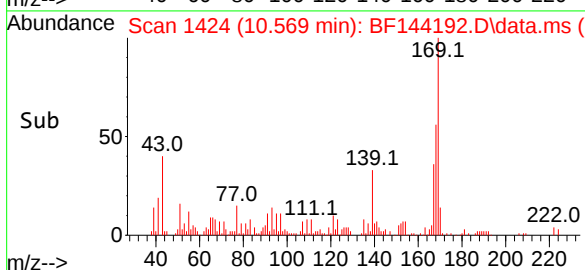
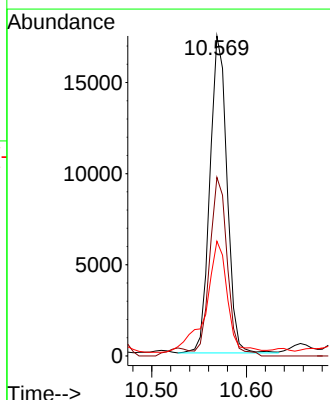
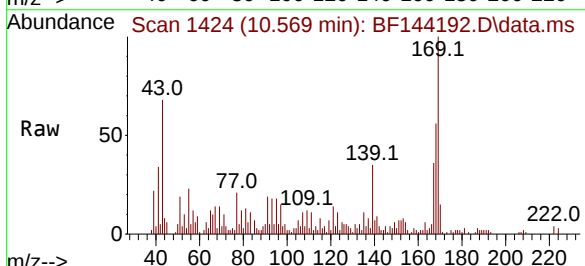
Tgt Ion:169 Resp: 21832

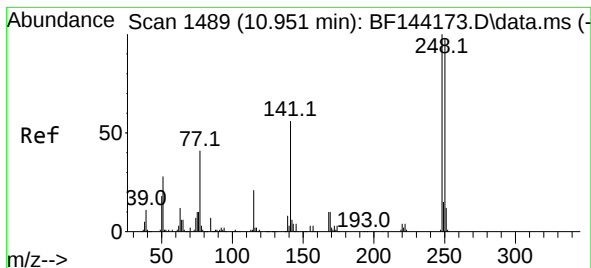
Ion Ratio Lower Upper

169 100

168 55.8 46.2 69.2

167 35.8 25.7 38.5

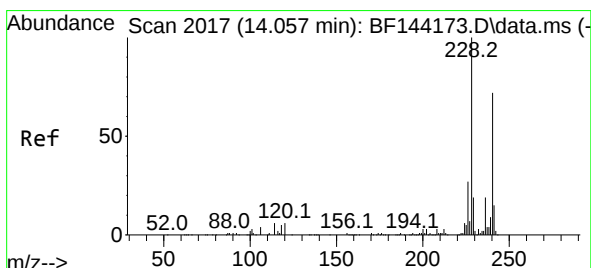
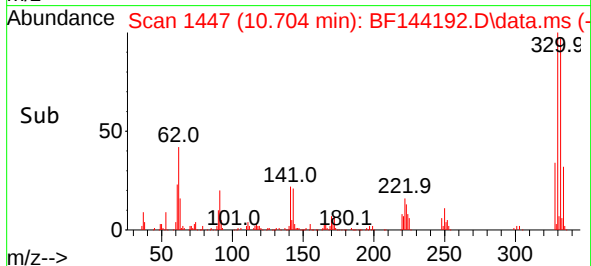
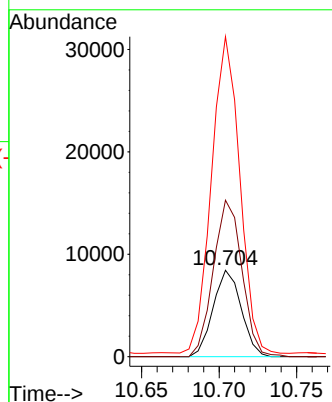
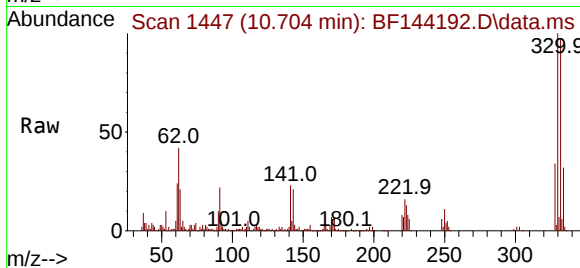




#67
4-Bromophenyl-phenylether
Concen: 4.549 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

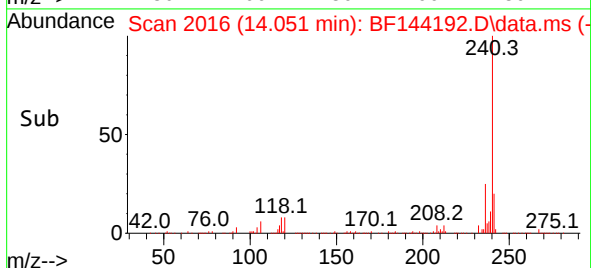
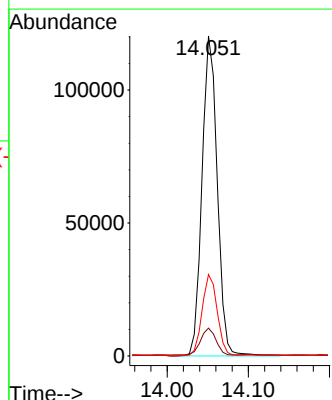
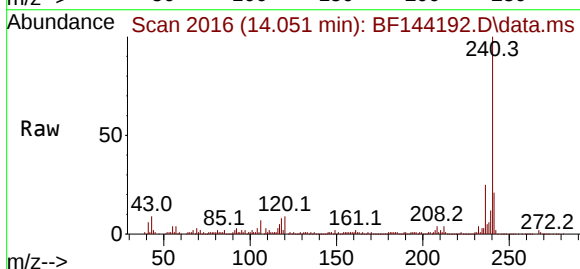
Instrument :
BNA_F
ClientSampleId :
MW-EB-1

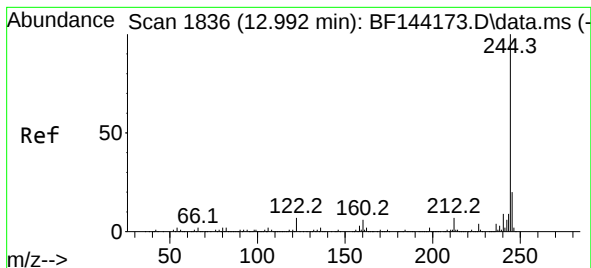
Tgt Ion:248 Resp: 10633
Ion Ratio Lower Upper
248 100
250 181.2 78.4 117.6#
141 370.5 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144192.D
Acq: 06 Nov 2025 17:24

Tgt Ion:240 Resp: 157153
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 25.5 21.4 32.2





#79

Terphenyl-d14

Concen: 66.199 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.000 min

Lab File: BF144192.D

Acq: 06 Nov 2025 17:24

Instrument :

BNA_F

ClientSampleId :

MW-EB-1

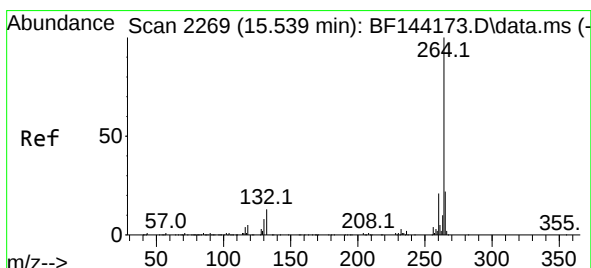
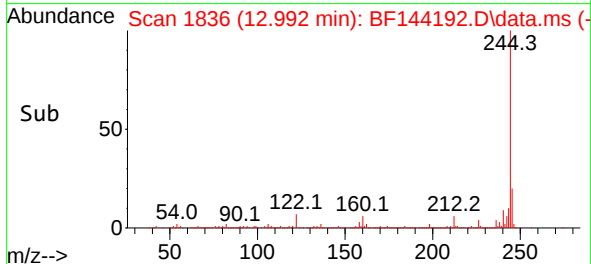
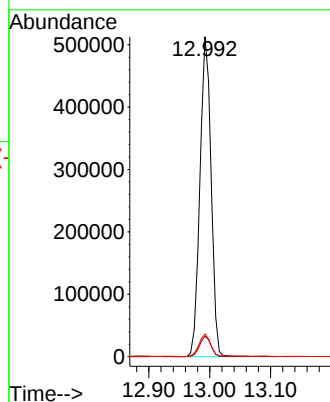
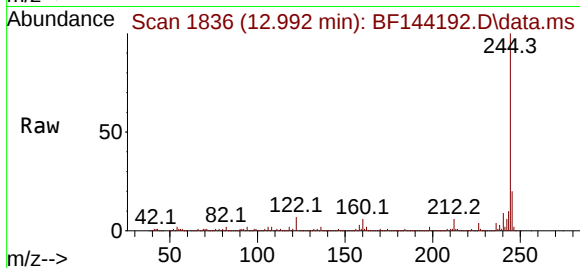
Tgt Ion:244 Resp: 654961

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 7.1 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: BF144192.D

Acq: 06 Nov 2025 17:24

Tgt Ion:264 Resp: 214152

Ion Ratio Lower Upper

264 100

260 21.7 17.1 25.7

265 21.0 17.4 26.0

