

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)

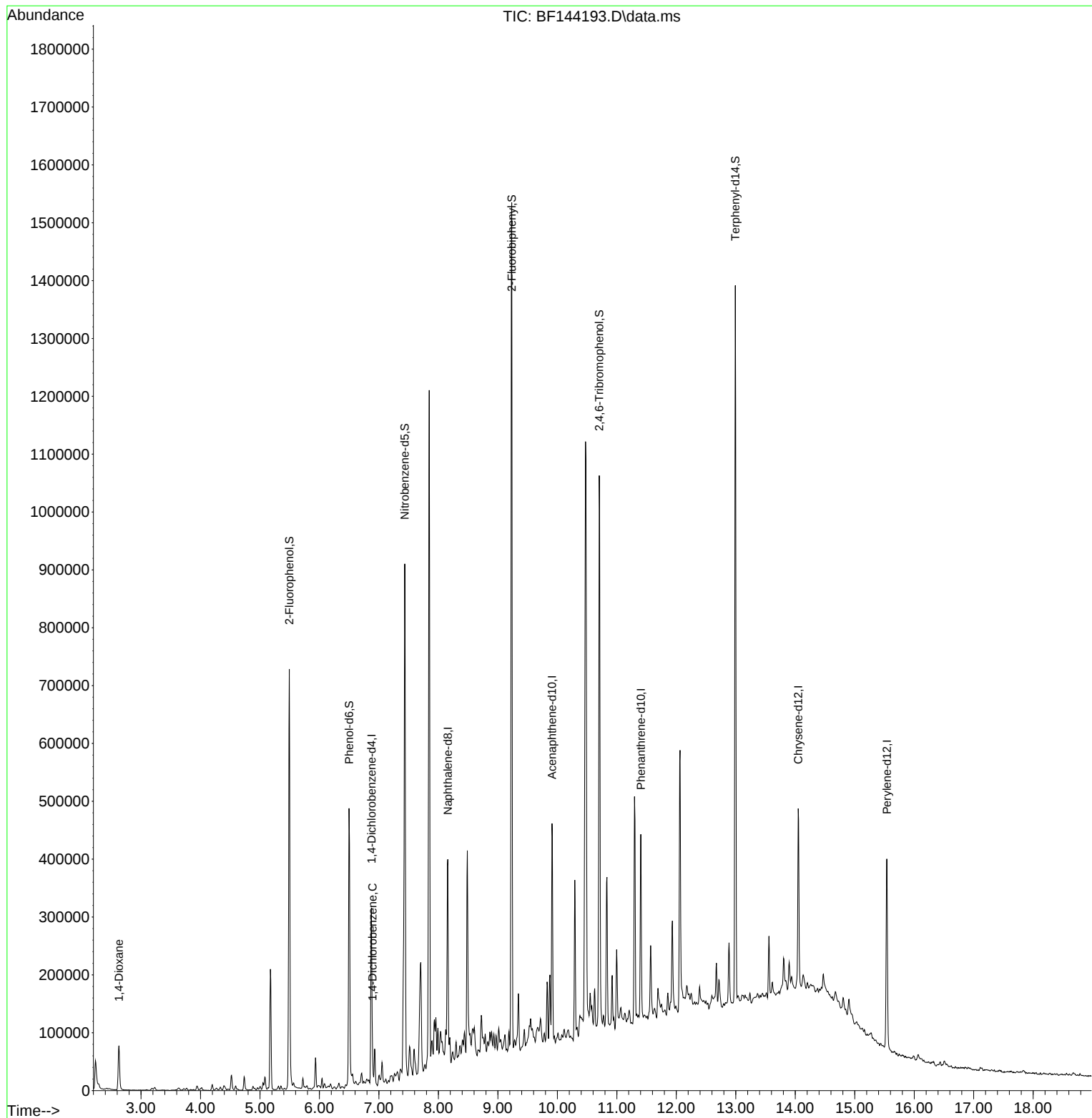
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61143	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	221818	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	112288	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	175620	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162091	20.000	ng	0.00
86) Perylene-d12	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						
2) 1,4-Dioxane	2.628	88	41311	25.574	ng	97
13) 1,4-Dichlorobenzene	6.893	146	17263	3.644	ng	99

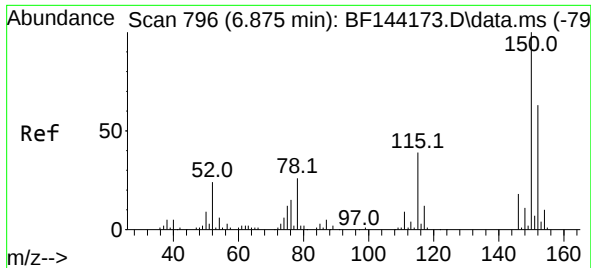
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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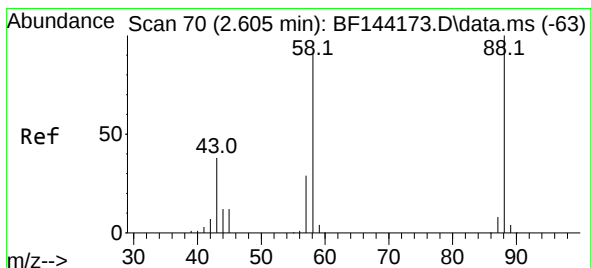
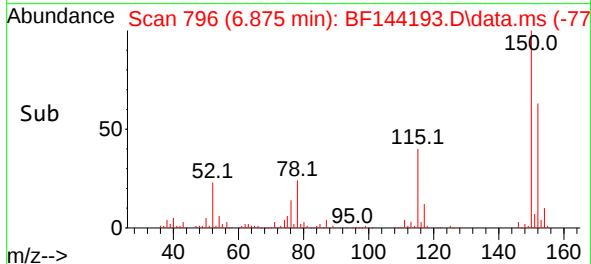
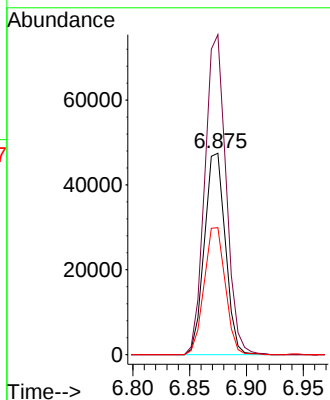
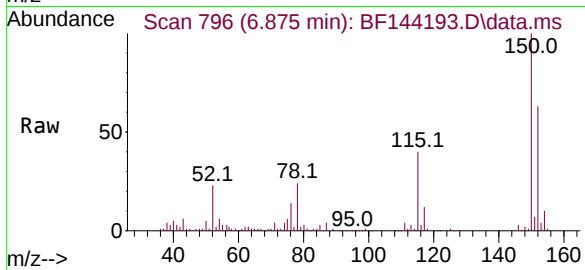




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

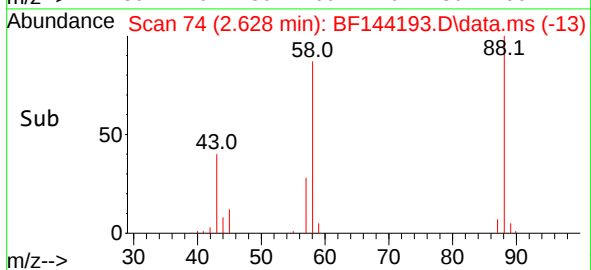
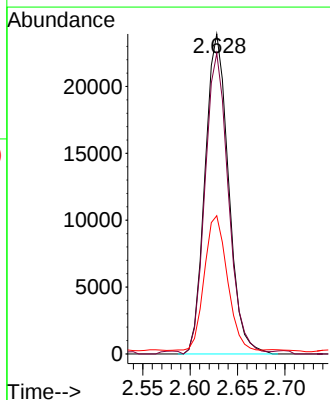
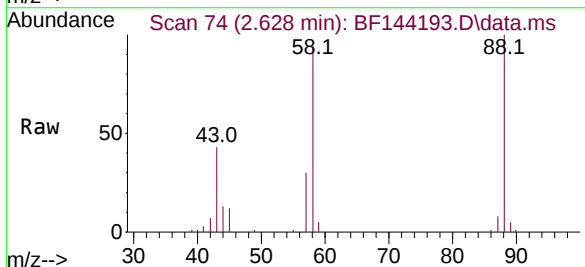
Instrument :
BNA_F
ClientSampleId :
MW-9

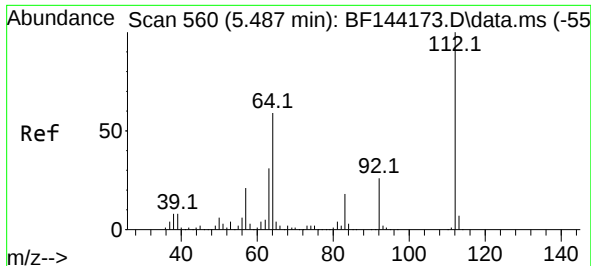
Tgt Ion:152 Resp: 61143
Ion Ratio Lower Upper
152 100
150 158.9 127.4 191.0
115 63.1 49.5 74.3



#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

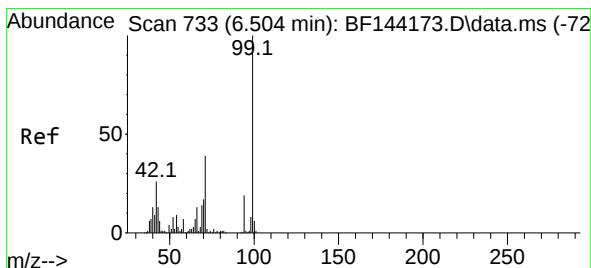
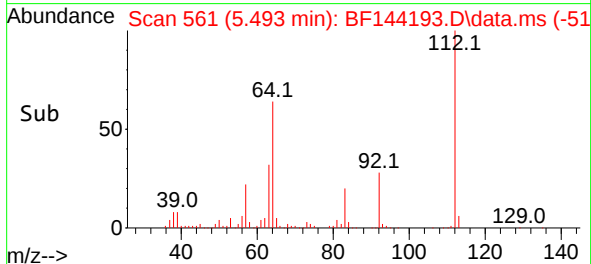
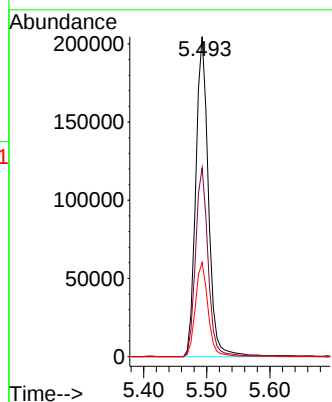
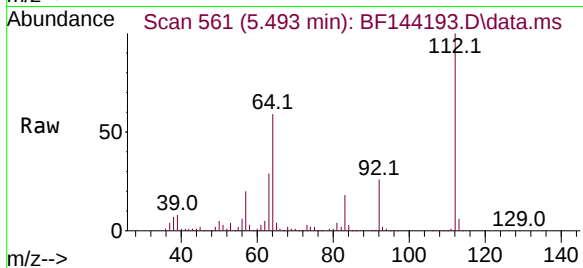




#5
2-Fluorophenol
Concen: 73.316 ng
RT: 5.493 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

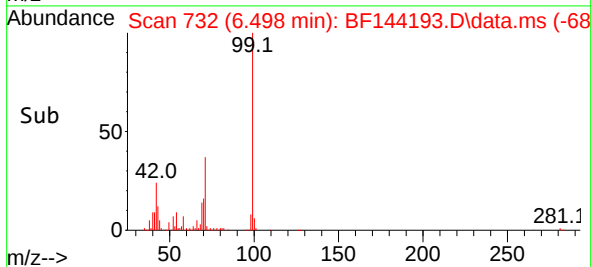
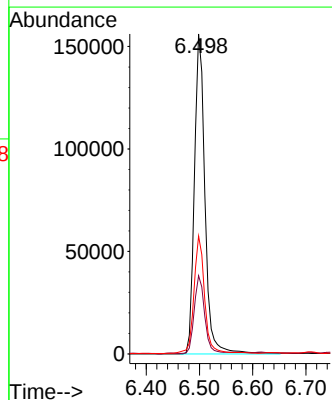
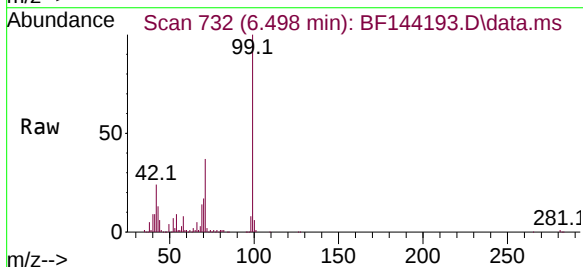
Instrument :
BNA_F
ClientSampleId :
MW-9

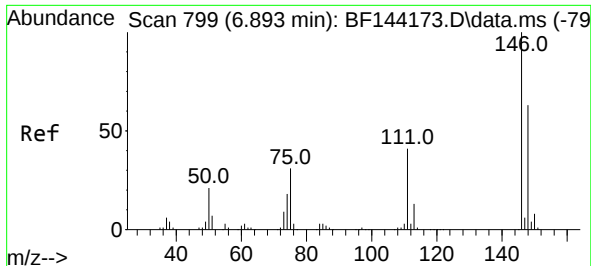
Tgt Ion:112 Resp: 286460
Ion Ratio Lower Upper
112 100
64 59.0 47.2 70.8
63 29.4 24.4 36.6



#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





#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

Instrument :

BNA_F

ClientSampleId :

MW-9

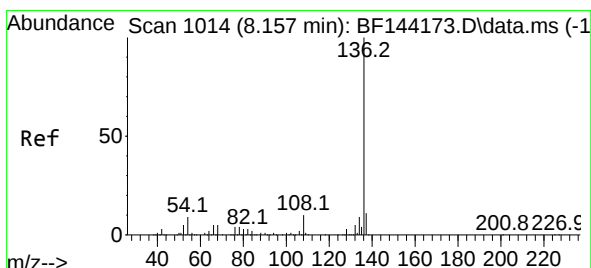
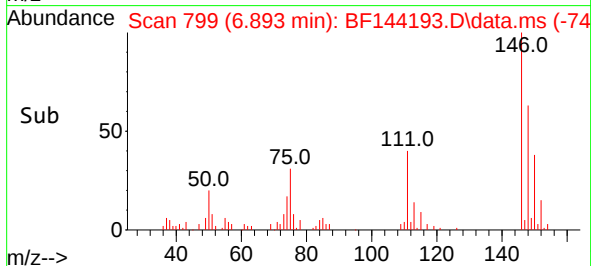
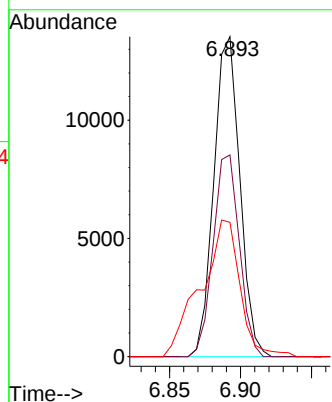
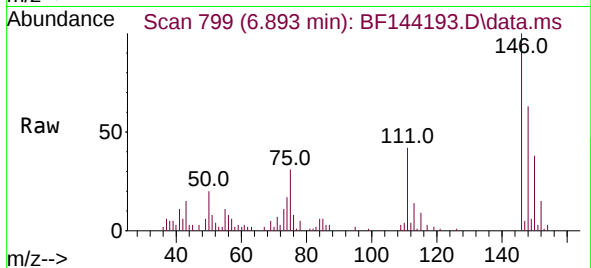
Tgt Ion:146 Resp: 17263

Ion Ratio Lower Upper

146 100

148 63.0 50.2 75.2

111 42.0 32.6 48.8



#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

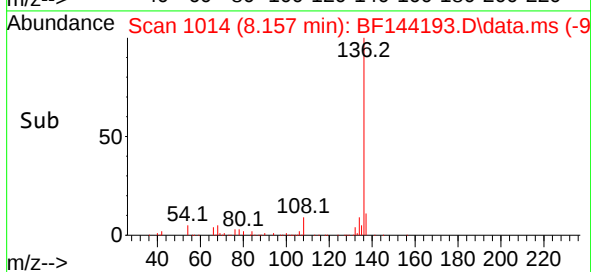
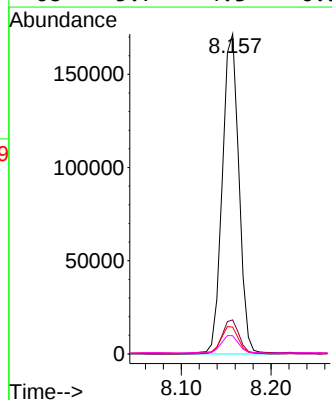
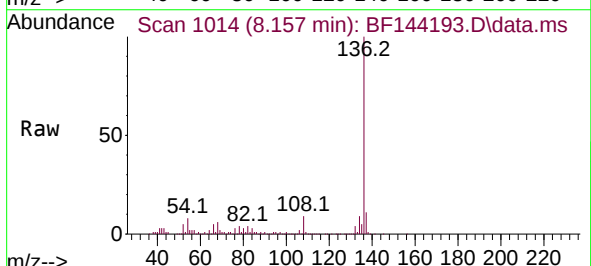
Ion Ratio Lower Upper

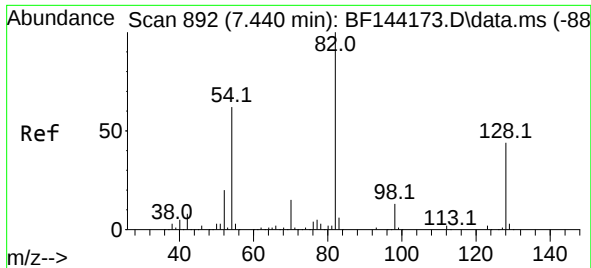
136 100

137 10.7 8.6 13.0

54 8.4 7.0 10.6

68 5.7 4.3 6.5

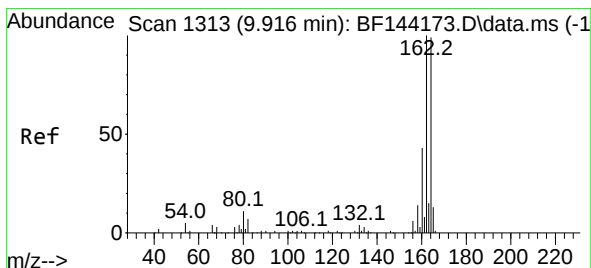
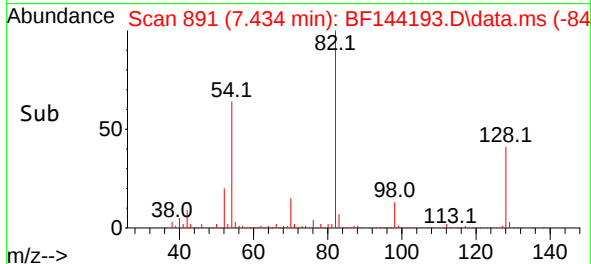
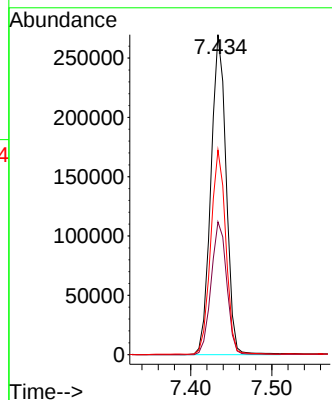
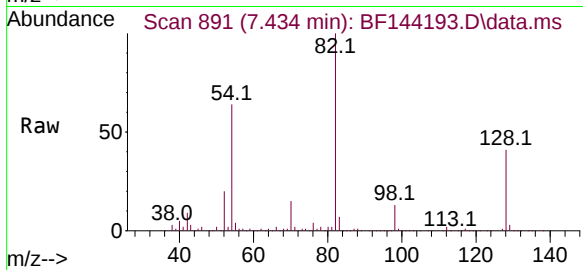




#23
Nitrobenzene-d5
Concen: 92.015 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

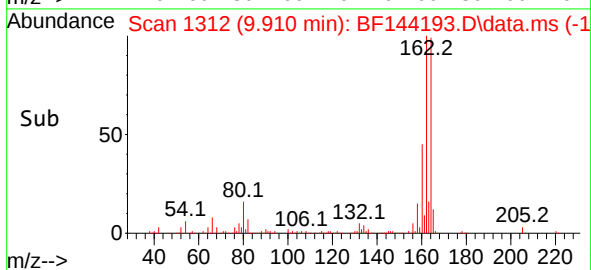
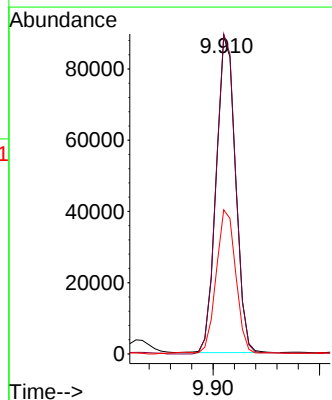
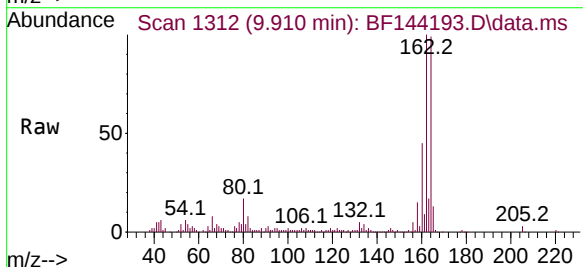
Instrument :
BNA_F
ClientSampleId :
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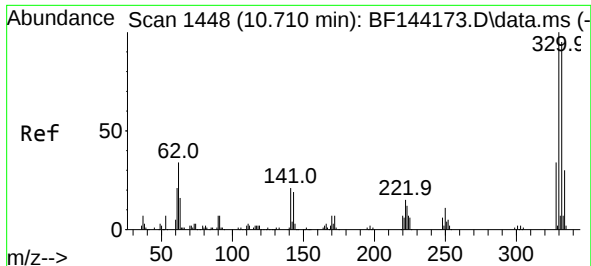
Tgt Ion: 82 Resp: 353401
Ion Ratio Lower Upper
82 100
128 41.5 34.7 52.1
54 63.9 49.5 74.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144193.D
Acq: 06 Nov 2025 17:53

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

Instrument :

BNA_F

ClientSampleId :

MW-9

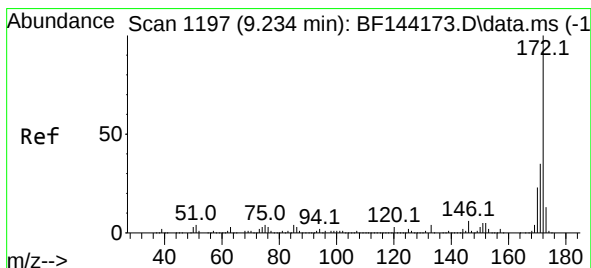
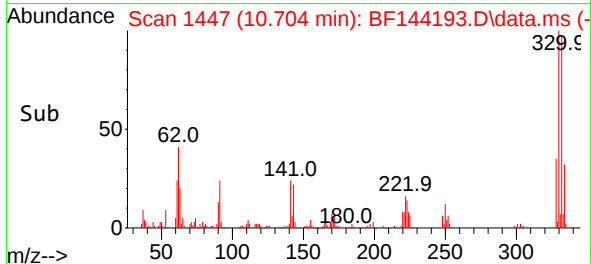
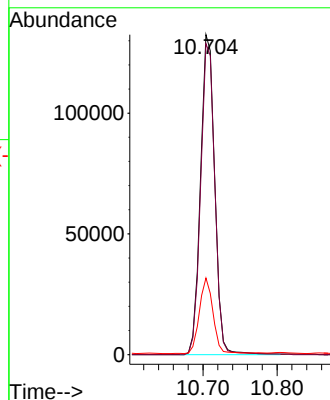
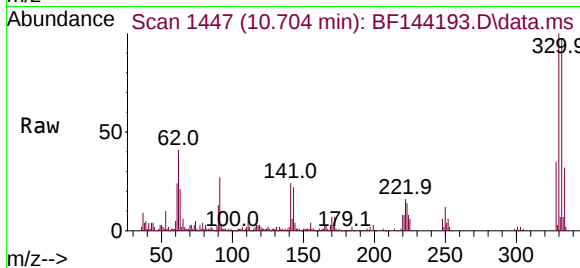
Tgt Ion:330 Resp: 176078

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

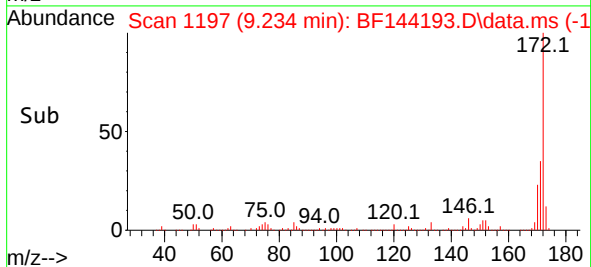
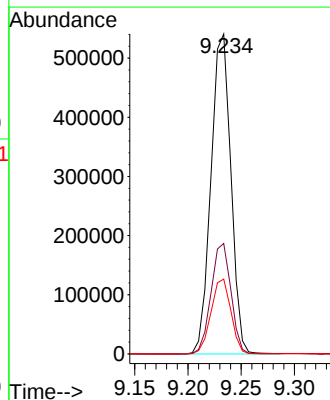
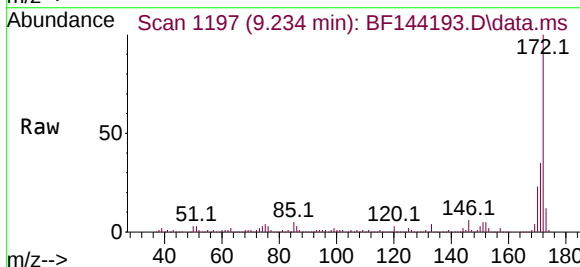
Tgt Ion:172 Resp: 702796

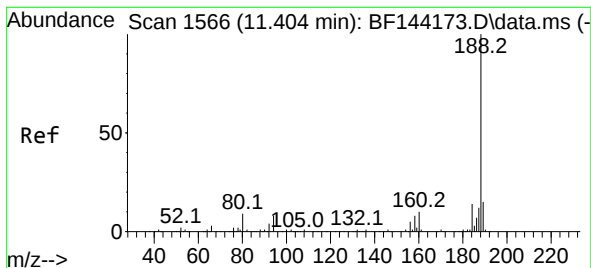
Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144193.D

Acq: 06 Nov 2025 17:53

Instrument :

BNA_F

ClientSampleId :

MW-9

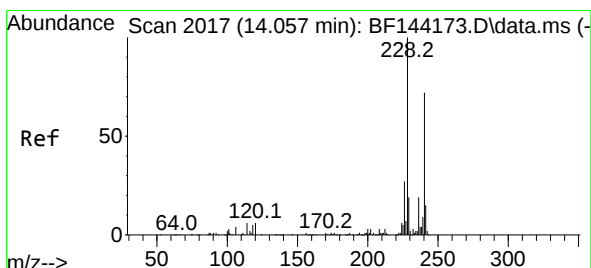
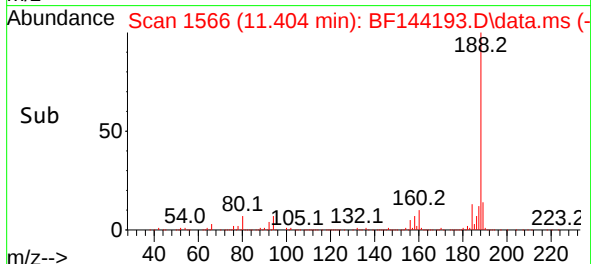
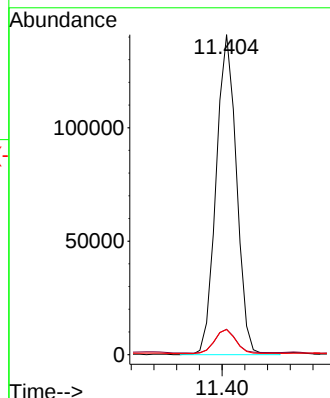
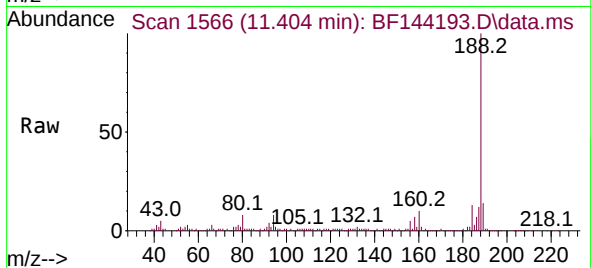
Tgt Ion:188 Resp: 175620

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 7.8 6.9 10.3



#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

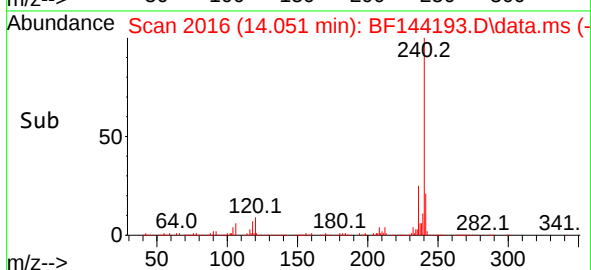
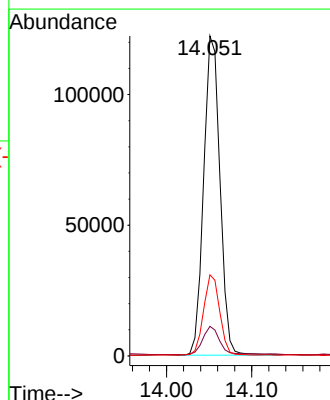
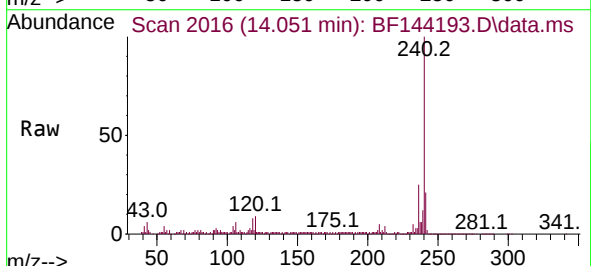
Tgt Ion:240 Resp: 162091

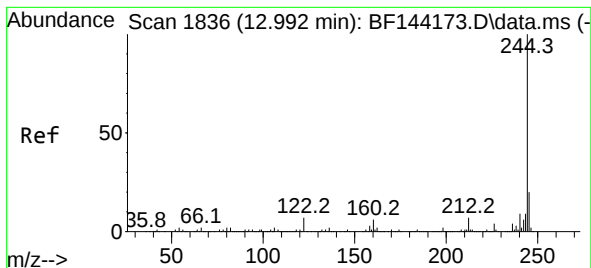
Ion Ratio Lower Upper

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 :

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MW-9

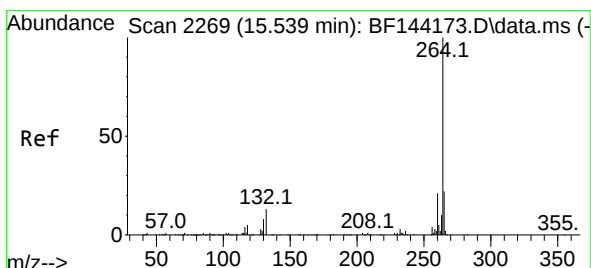
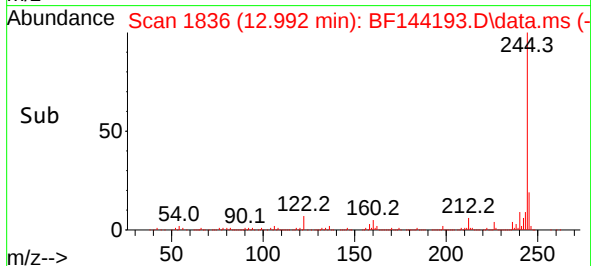
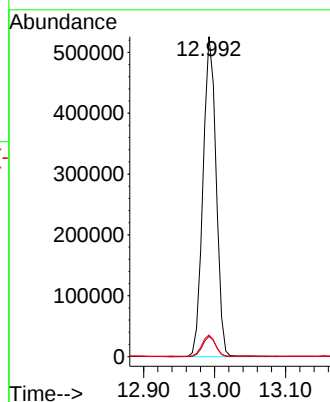
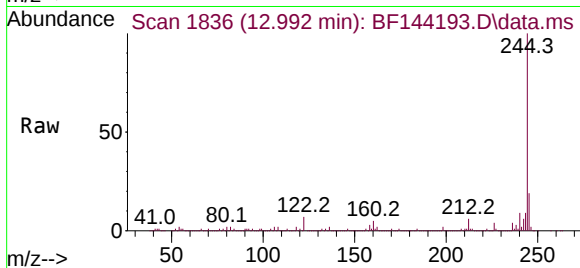
Tgt Ion:244 Resp: 670155

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

