

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142951.D
 Acq On : 01 Jul 2025 15:56
 Operator : RC/JU
 Sample : Q2447-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Jul 01 16:39:02 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)

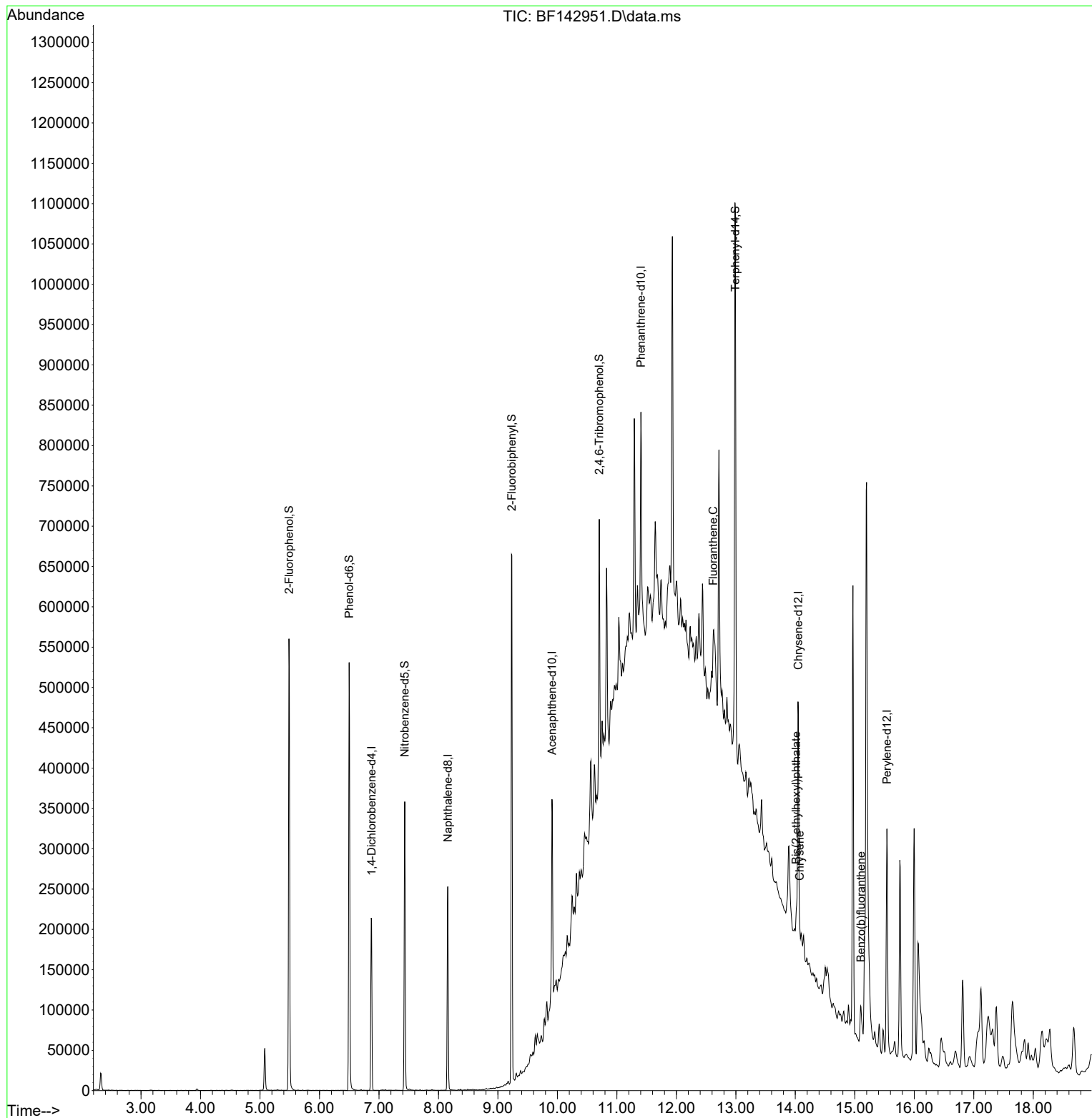
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49037	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	162012	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	73287	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	118865	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	140654	20.000	ng	0.00
86) Perylene-d12	15.539	264	152047	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	220734	74.945	ng	0.00
7) Phenol-d6	6.498	99	239022	68.786	ng	-0.01
23) Nitrobenzene-d5	7.434	82	148204	50.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	58614	77.720	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	302296	54.187	ng	-0.01
79) Terphenyl-d14	12.992	244	337952	33.198	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.622	202	27188	4.449	ng	93
83) Chrysene	14.074	228	19108	2.257	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	16943	3.079	ng	93
88) Benzo(b)fluoranthene	15.104	252	25371m	2.884	ng	

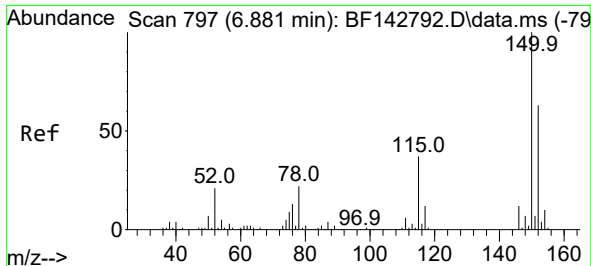
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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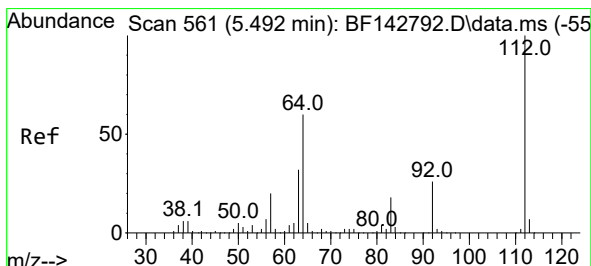
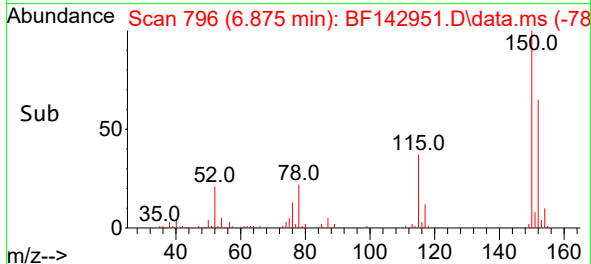
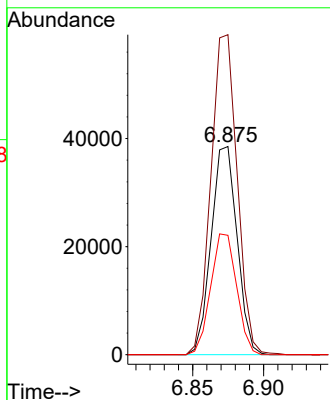
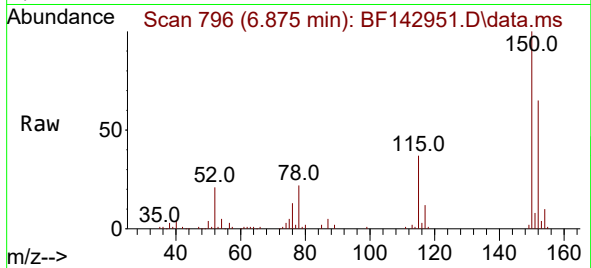




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

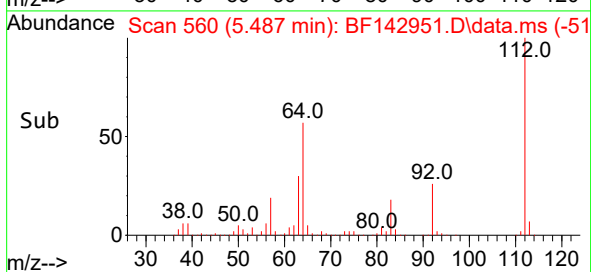
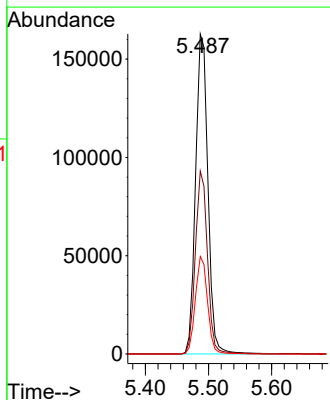
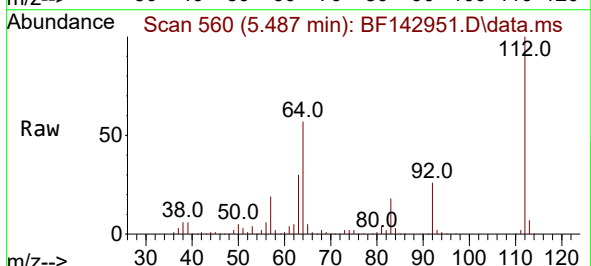
Instrument :
BNA_F
ClientSampleId :
COMP-1

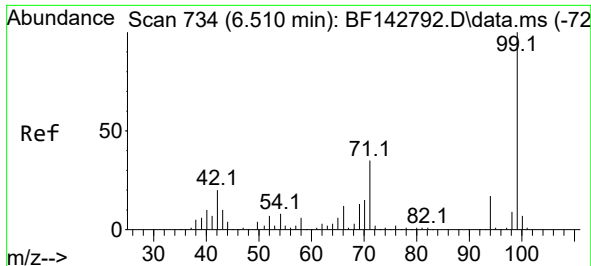
Tgt Ion:152 Resp: 49037
Ion Ratio Lower Upper
152 100
150 153.8 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 74.945 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion:112 Resp: 220734
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.4 25.7 38.5

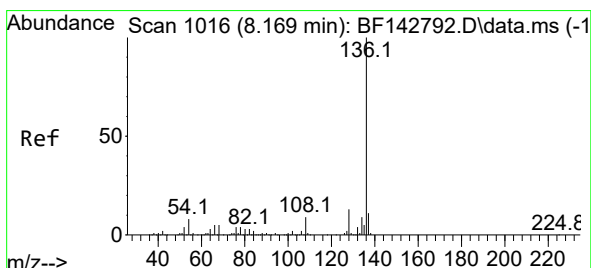
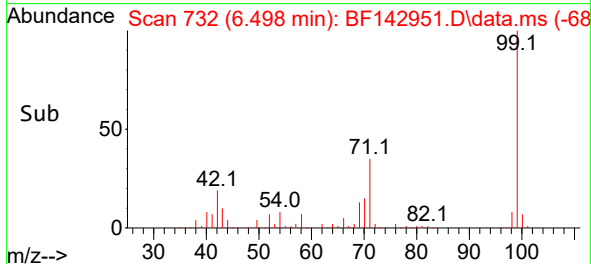
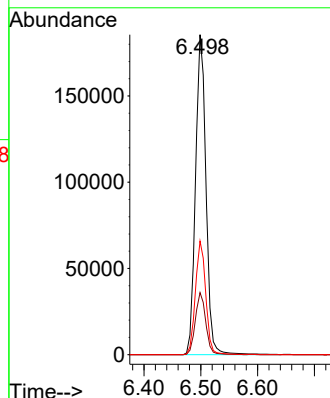
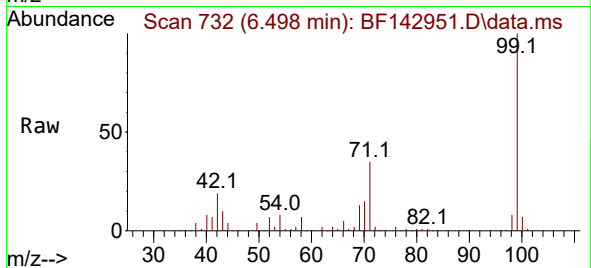




#7
Phenol-d6
Concen: 68.786 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

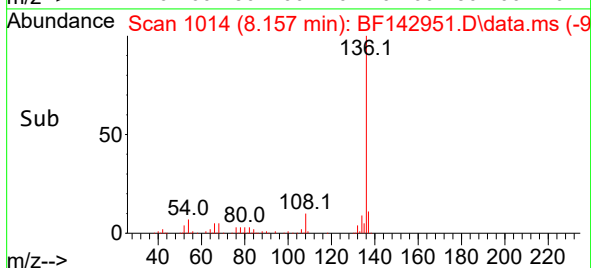
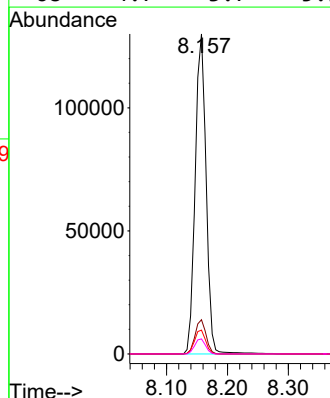
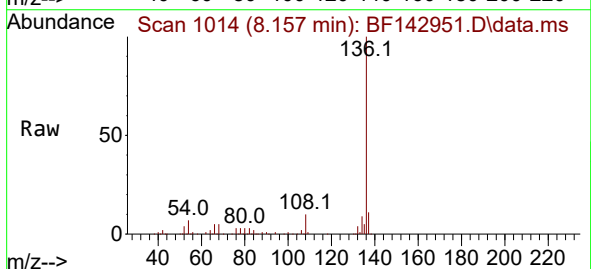
Instrument :
BNA_F
ClientSampleId :
COMP-1

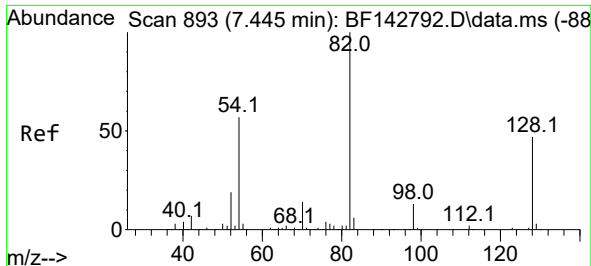
Tgt Ion: 99 Resp: 239022
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion: 136 Resp: 162012
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.3 9.5
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.176 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

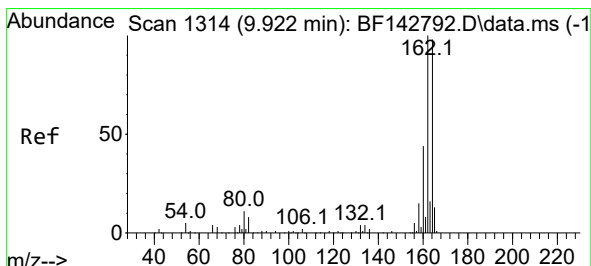
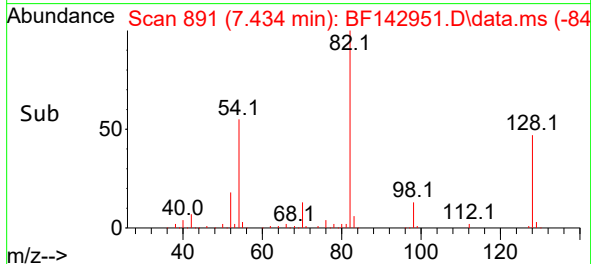
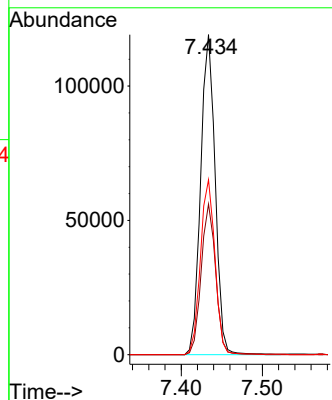
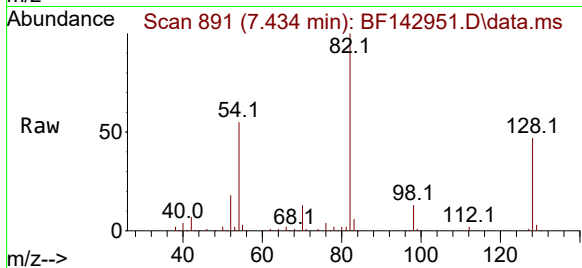
Tgt Ion: 82 Resp: 148204

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 54.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

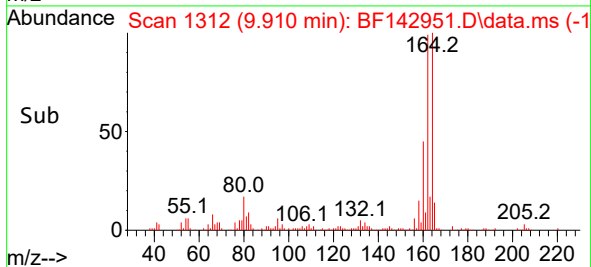
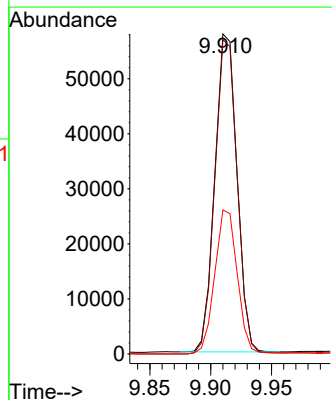
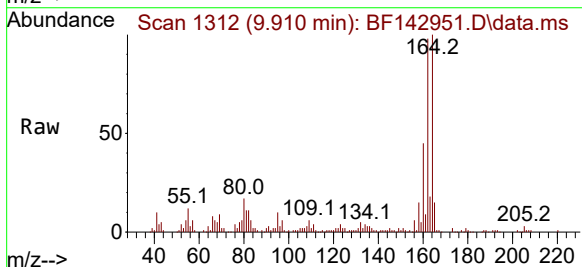
Tgt Ion:164 Resp: 73287

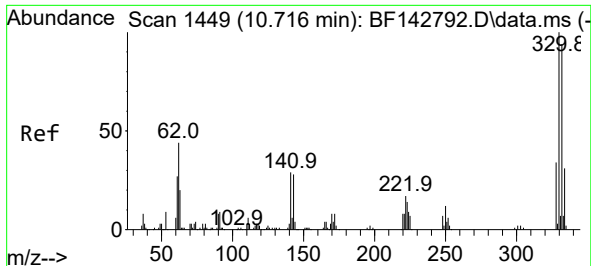
Ion Ratio Lower Upper

164 100

162 98.2 81.8 122.8

160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 77.720 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

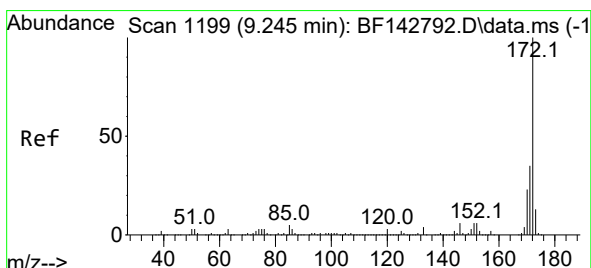
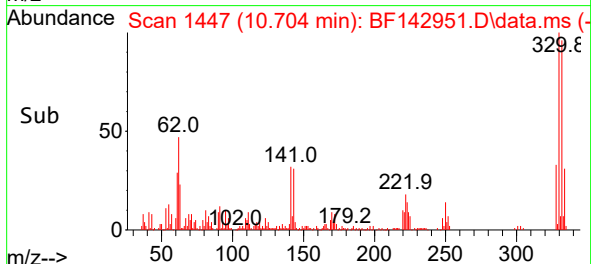
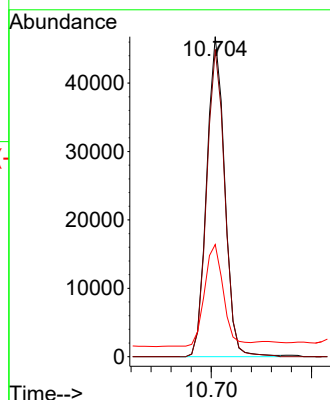
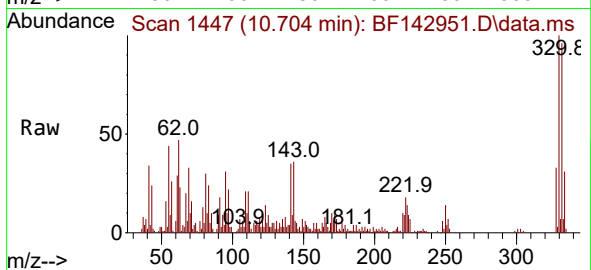
Tgt Ion:330 Resp: 58614

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 33.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 54.187 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

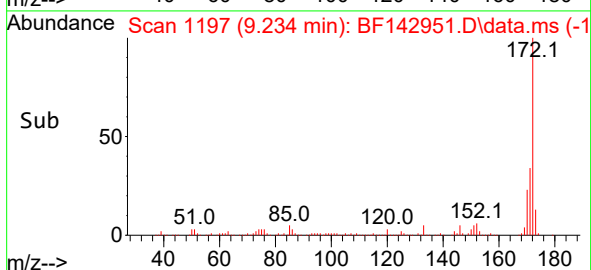
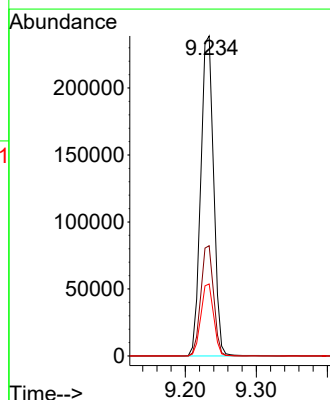
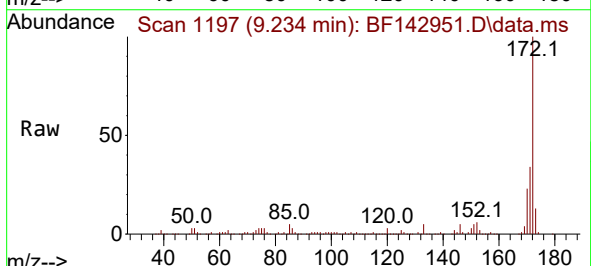
Tgt Ion:172 Resp: 302296

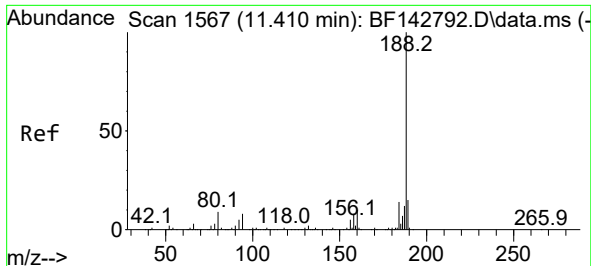
Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 22.5 18.5 27.7

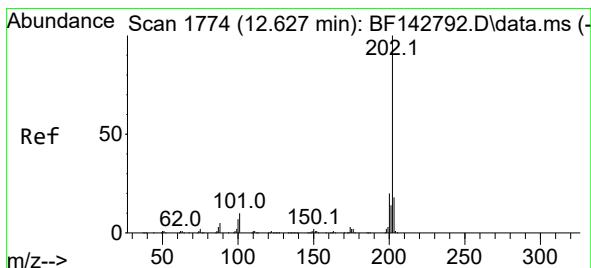
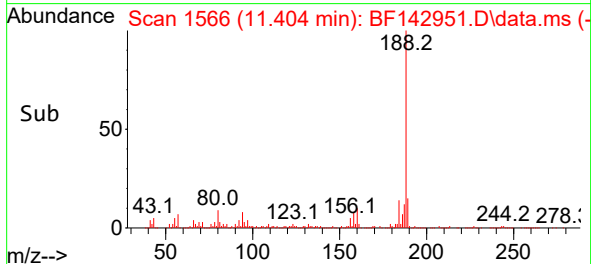
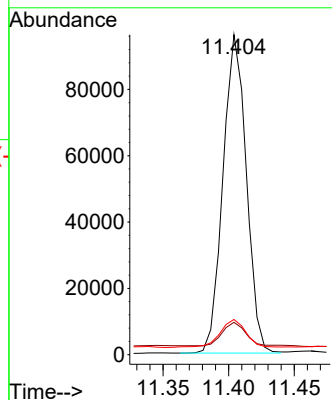
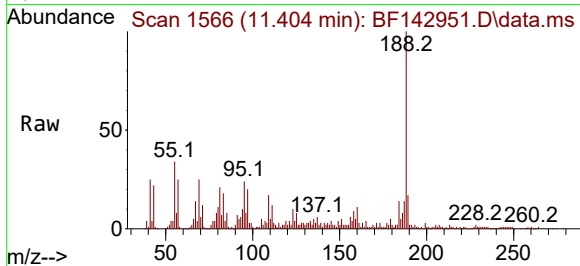




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

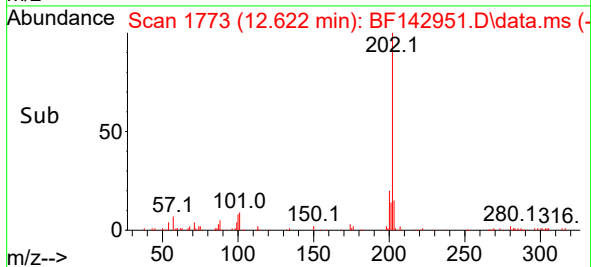
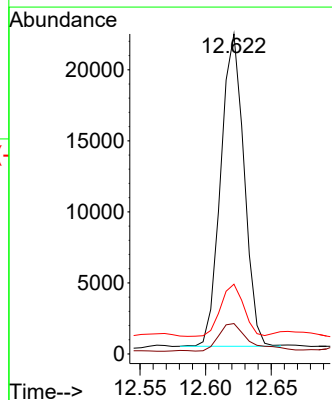
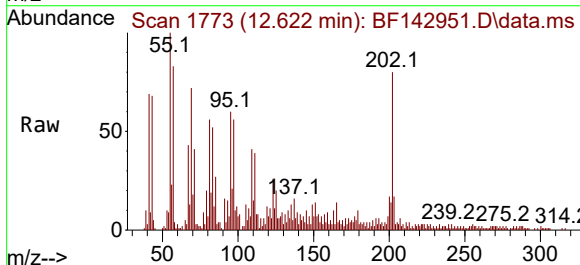
Instrument :
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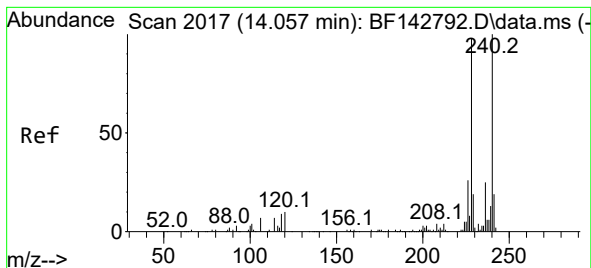
Tgt Ion:188 Resp: 118865
Ion Ratio Lower Upper
188 100
94 10.1 6.7 10.1#
80 11.0 6.9 10.3#



#75
Fluoranthene
Concen: 4.449 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion:202 Resp: 27188
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 21.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

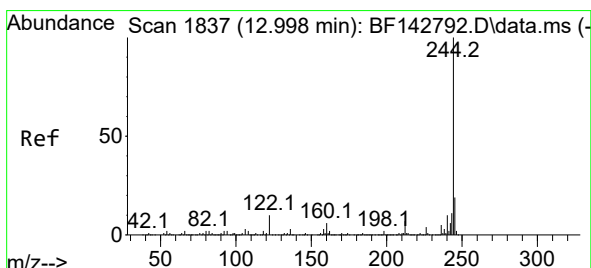
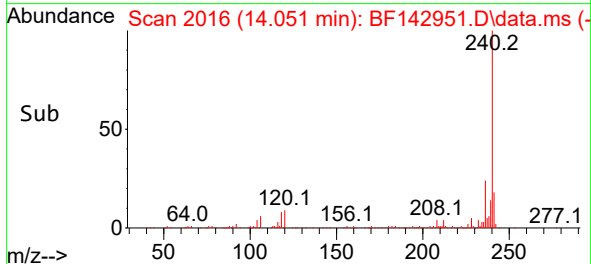
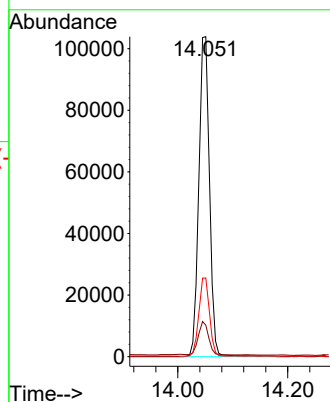
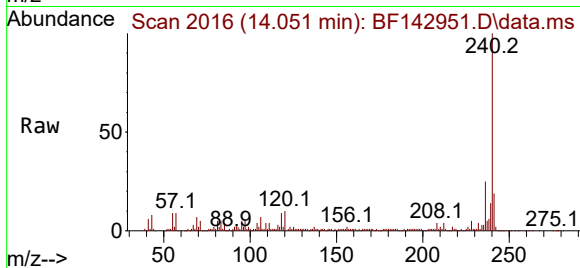
Tgt Ion:240 Resp: 140654

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 24.6 19.8 29.8



#79

Terphenyl-d14

Concen: 33.198 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

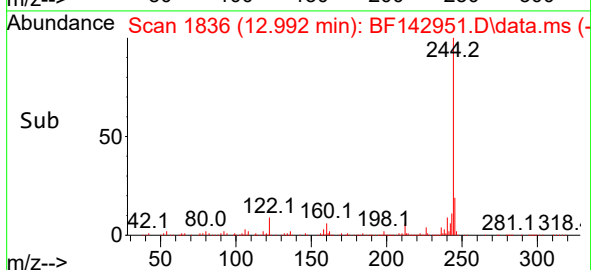
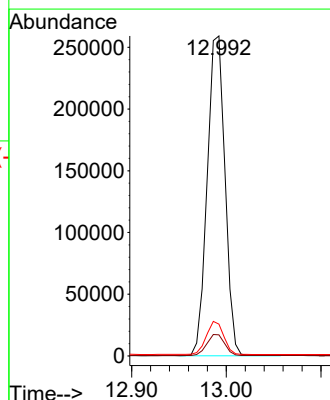
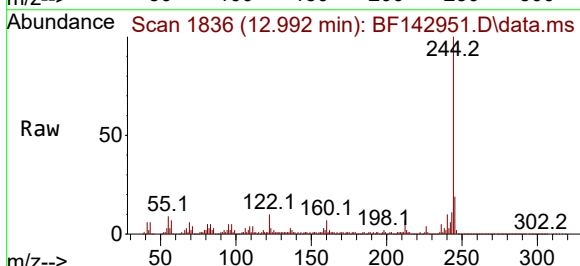
Tgt Ion:244 Resp: 337952

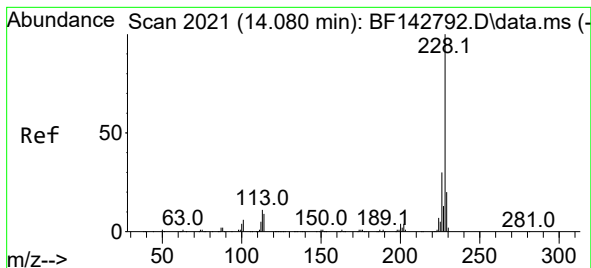
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.0 8.2 12.2





#83

Chrysene

Concen: 2.257 ng

RT: 14.074 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

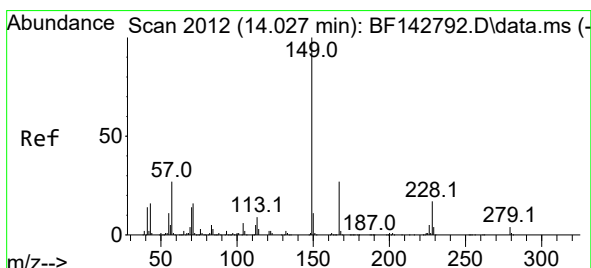
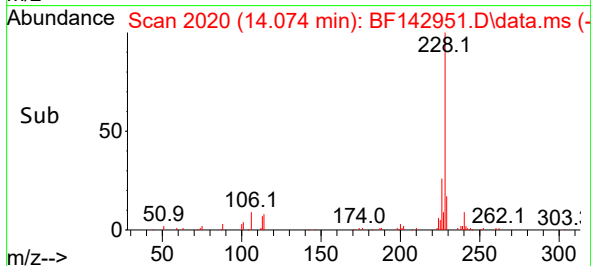
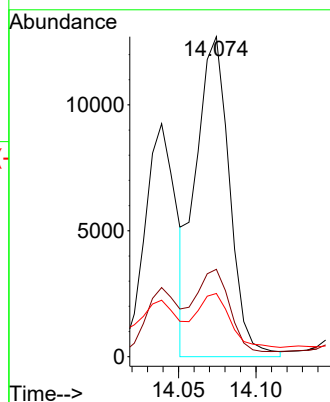
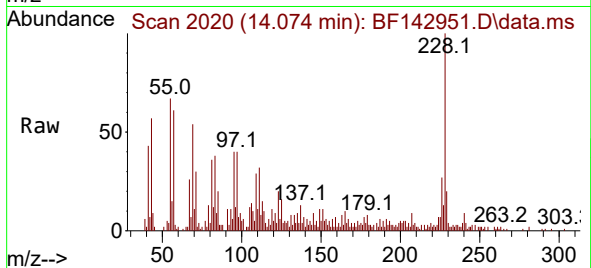
Tgt Ion:228 Resp: 19108

Ion Ratio Lower Upper

228 100

226 27.3 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.079 ng

RT: 14.016 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

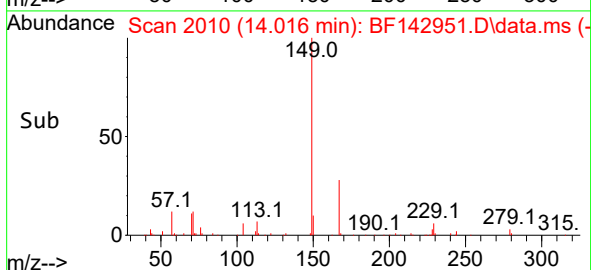
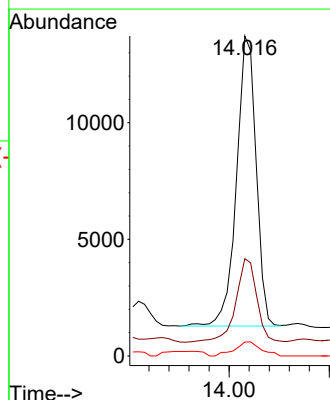
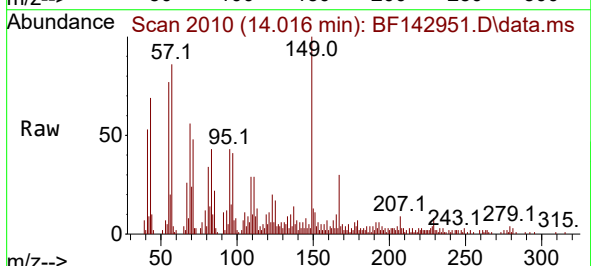
Tgt Ion:149 Resp: 16943

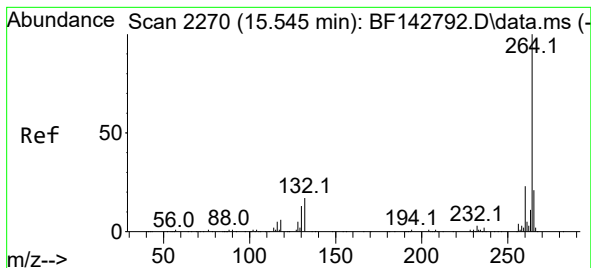
Ion Ratio Lower Upper

149 100

167 30.4 21.4 32.0

279 4.4 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

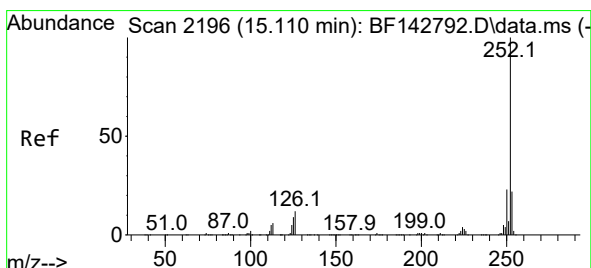
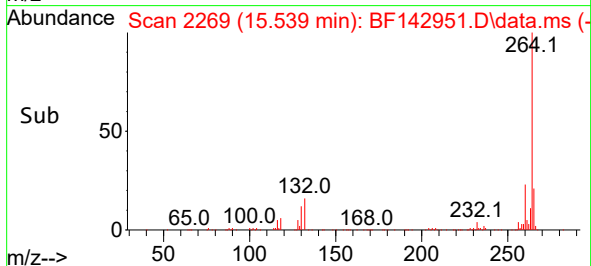
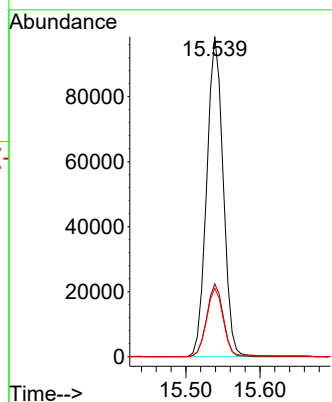
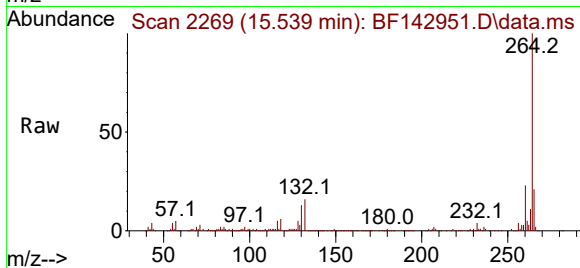
Tgt Ion:264 Resp: 152047

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 21.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.884 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Tgt Ion:252 Resp: 25371

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 14.2 7.4 11.0#

