

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142815.D
 Acq On : 24 Jun 2025 12:22
 Operator : RC/JU
 Sample : Q2380-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11948

Quant Time: Jun 24 12:48:20 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)

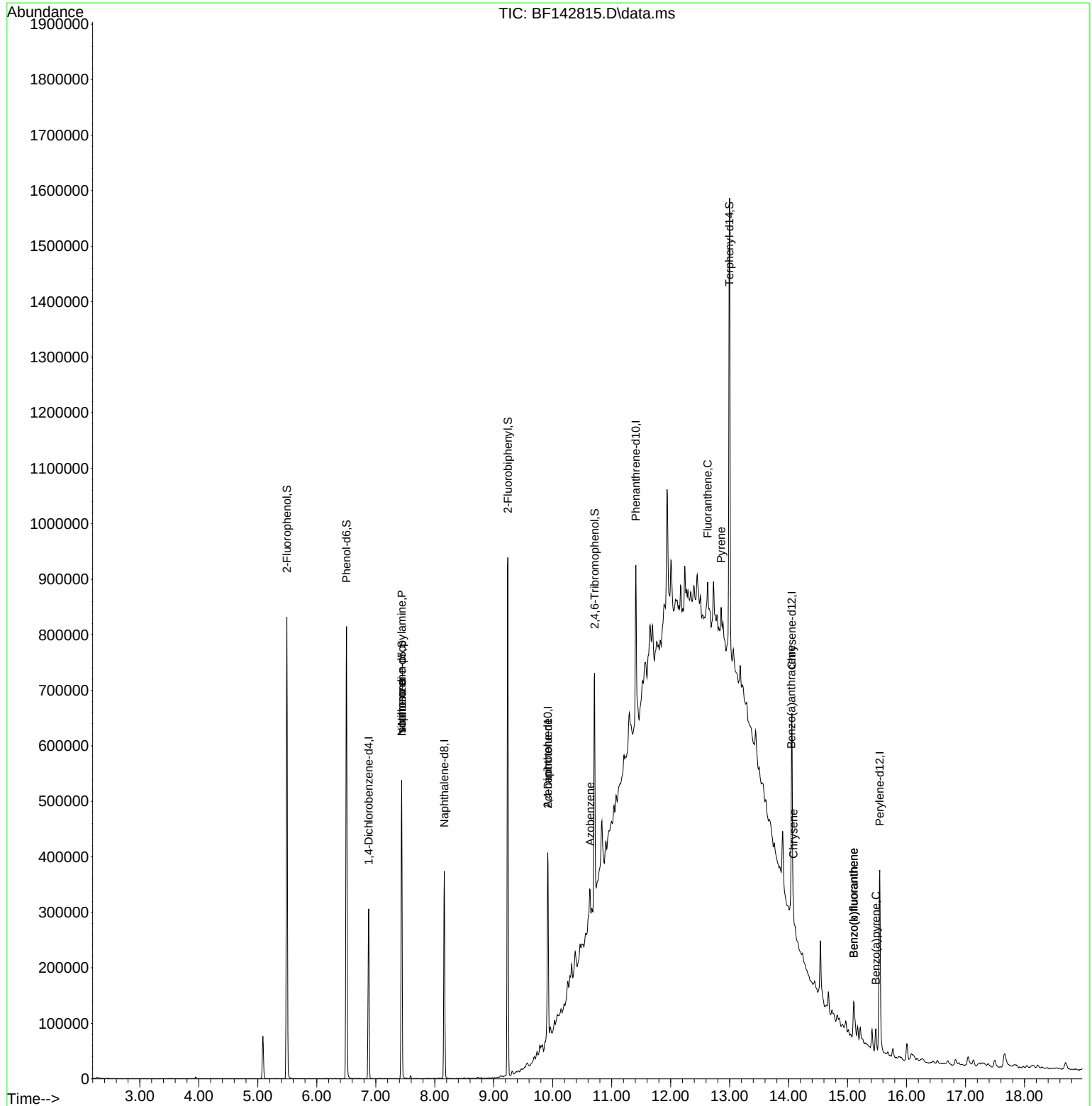
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70204	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	238896	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	99693	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	139423	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	175817	20.000	ng	0.00
86) Perylene-d12	15.545	264	192601	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	310909	73.734	ng	0.00
7) Phenol-d6	6.504	99	367024	73.776	ng	0.00
23) Nitrobenzene-d5	7.439	82	221233	50.795	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	74914	73.022	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	426972	56.263	ng	0.00
79) Terphenyl-d14	12.998	244	405183	31.842	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	28961	10.009	ng	# 77
25) Isophorone	7.439	82	219701	31.446	ng	# 62
57) 2,4-Dinitrotoluene	9.916	165	14373	7.635	ng	# 28
63) Azobenzene	10.633	77	16528	2.923	ng	# 1
75) Fluoranthene	12.627	202	39270	5.479	ng	# 89
78) Pyrene	12.857	202	36689	2.226	ng	# 87
81) Benzo(a)anthracene	14.045	228	28035	2.364	ng	# 91
83) Chrysene	14.080	228	24170	2.284	ng	# 95
88) Benzo(b)fluoranthene	15.104	252	51661	4.635	ng	# 93
89) Benzo(k)fluoranthene	15.104	252	51661	4.955	ng	# 92
90) Benzo(a)pyrene	15.480	252	24185	2.246	ng	98

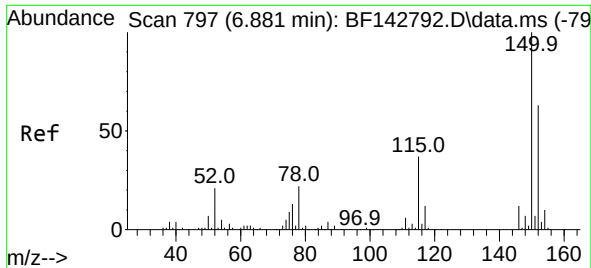
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
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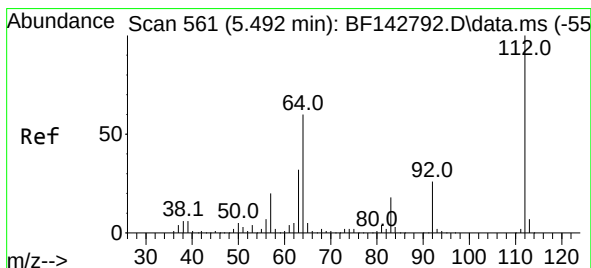
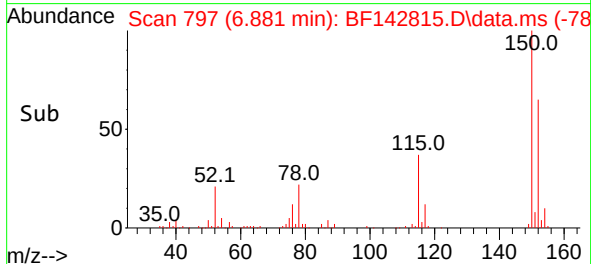
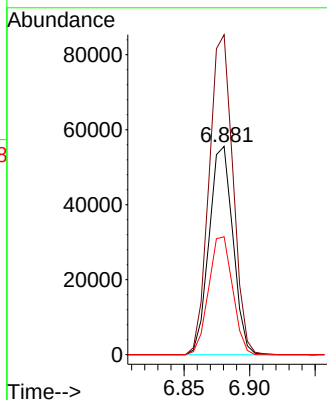
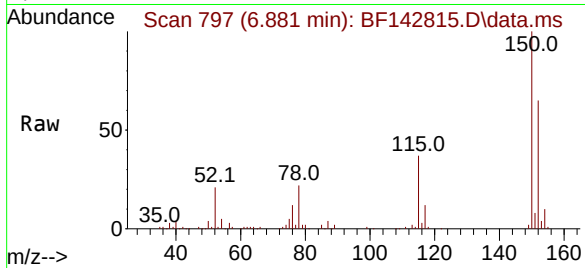




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142815.D
 Acq: 24 Jun 2025 12:22

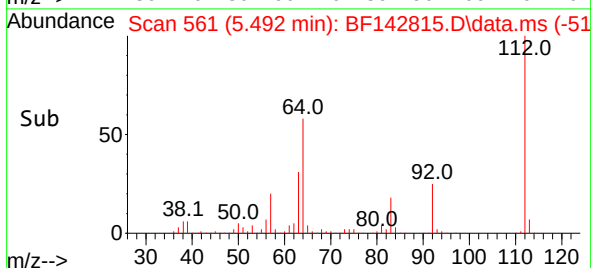
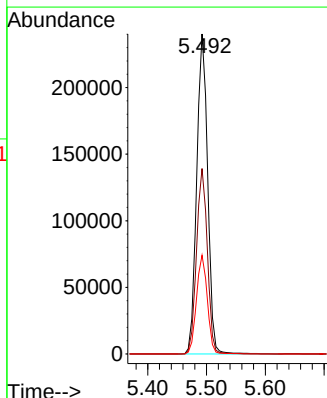
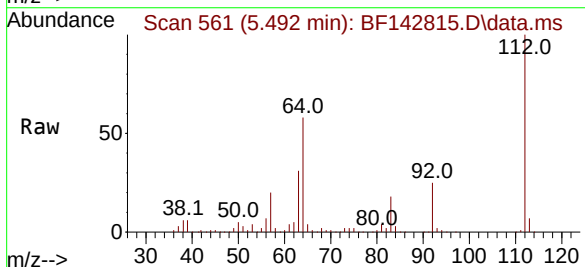
Instrument :
 BNA_F
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 72-11948

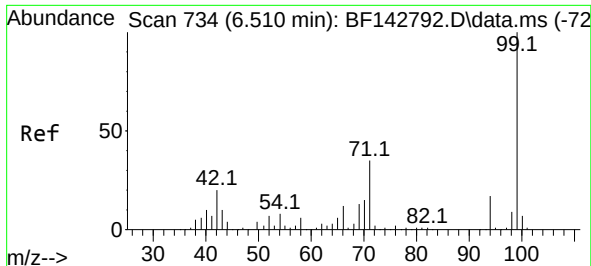
Tgt Ion:152 Resp: 70204
 Ion Ratio Lower Upper
 152 100
 150 153.6 127.2 190.8
 115 56.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 73.734 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF142815.D
 Acq: 24 Jun 2025 12:22

Tgt Ion:112 Resp: 310909
 Ion Ratio Lower Upper
 112 100
 64 58.0 48.2 72.2
 63 30.8 25.7 38.5

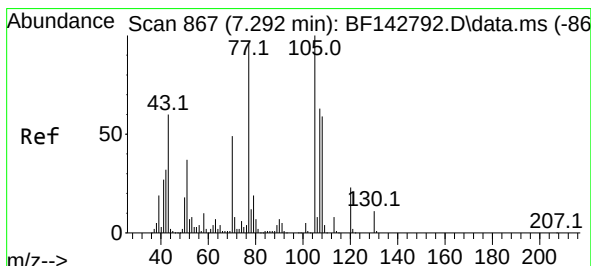
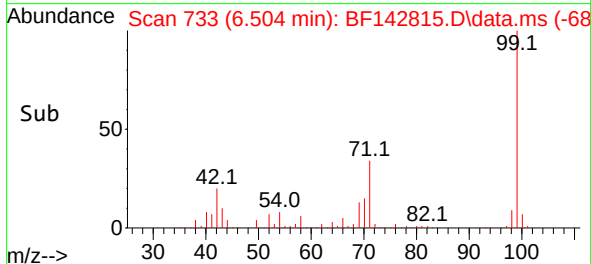
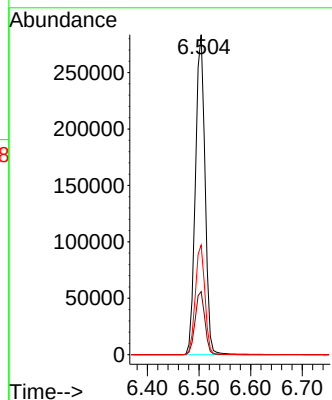
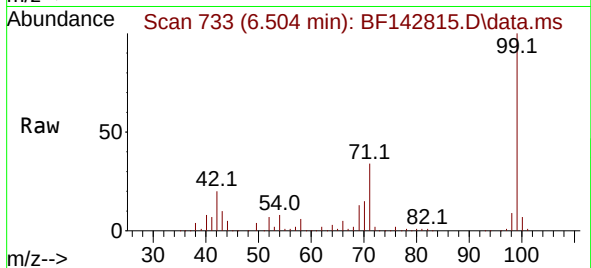




#7
Phenol-d6
Concen: 73.776 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

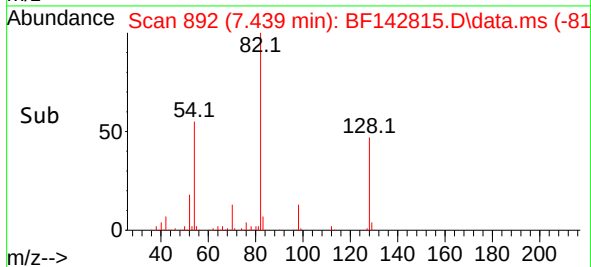
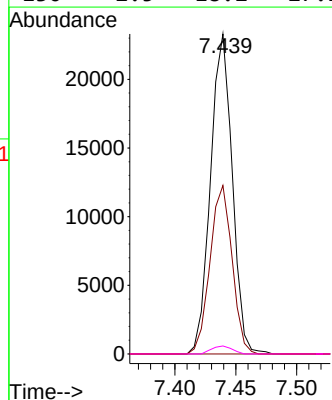
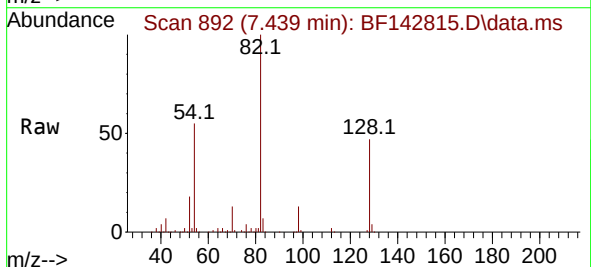
Instrument :
BNA_F
ClientSampleId :
72-11948

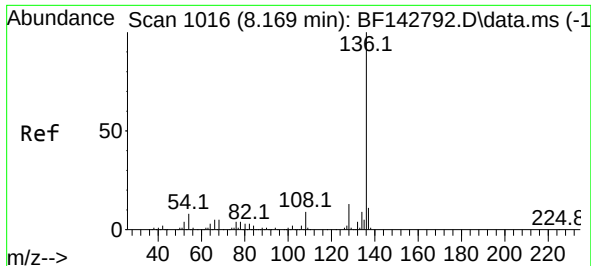
Tgt Ion: 99 Resp: 367024
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 34.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.009 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 70 Resp: 28961
Ion Ratio Lower Upper
70 100
42 52.7 52.1 78.1
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#

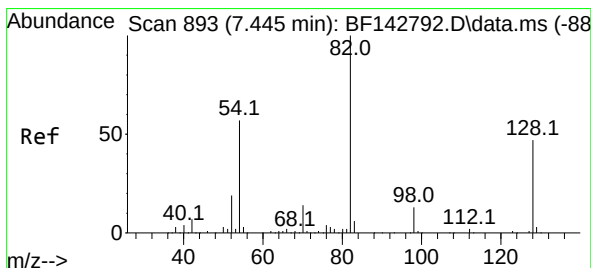
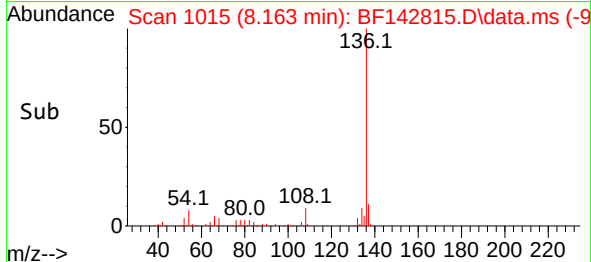
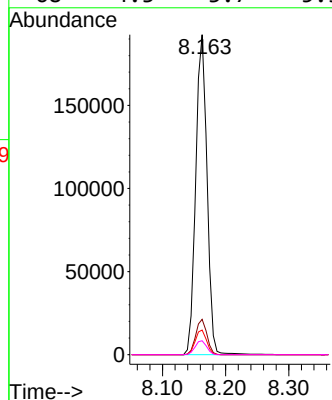
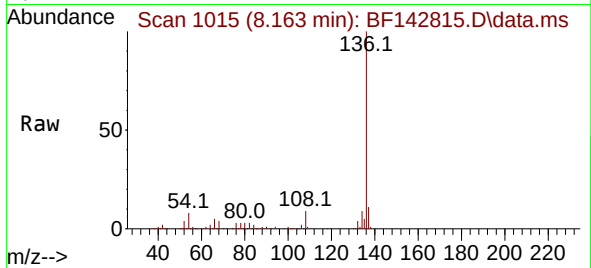




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

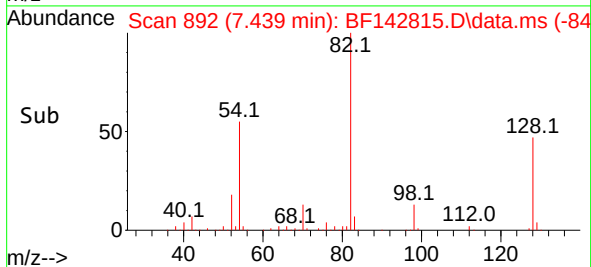
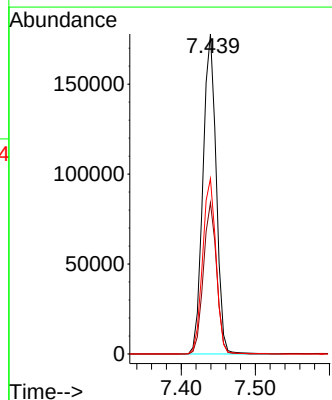
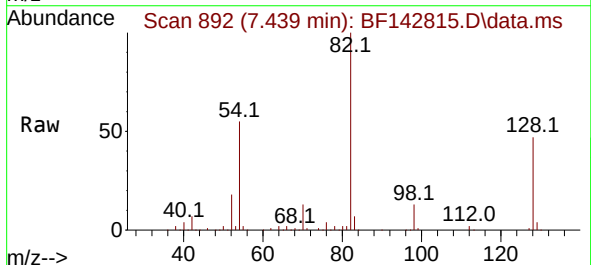
Instrument :
BNA_F
ClientSampleId :
72-11948

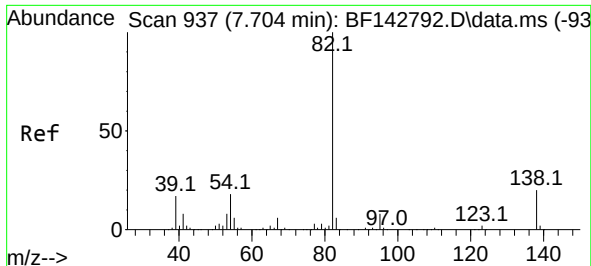
Tgt Ion:136 Resp: 238896
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.7 6.3 9.5
68 4.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 50.795 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 82 Resp: 221233
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 54.8 45.7 68.5

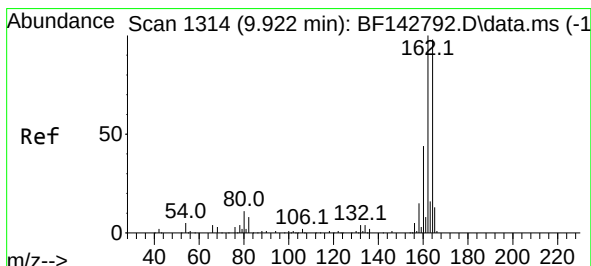
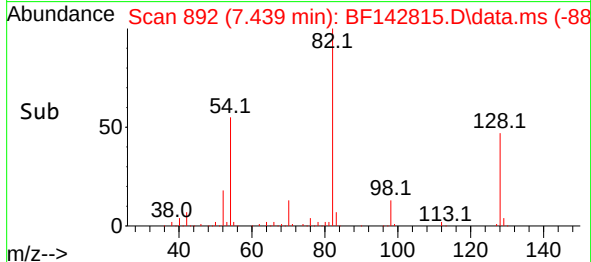
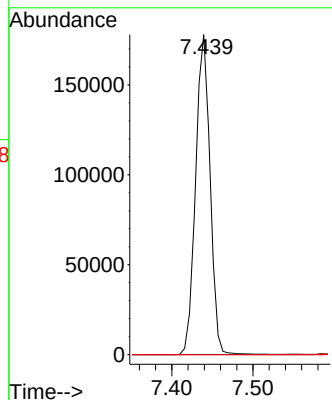
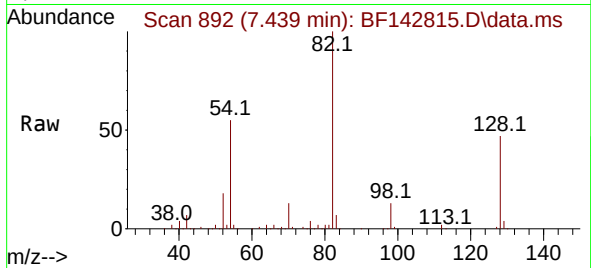




#25
Isophorone
Concen: 31.446 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

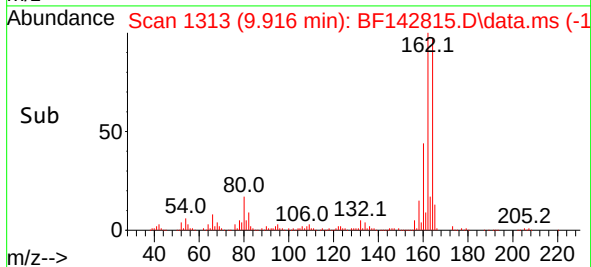
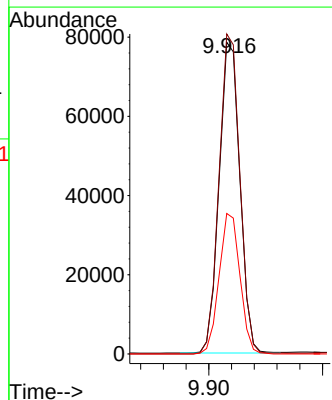
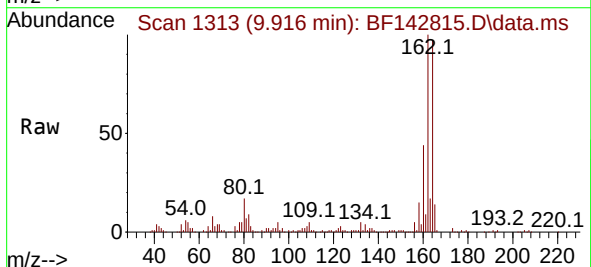
Instrument :
BNA_F
ClientSampleId :
72-11948

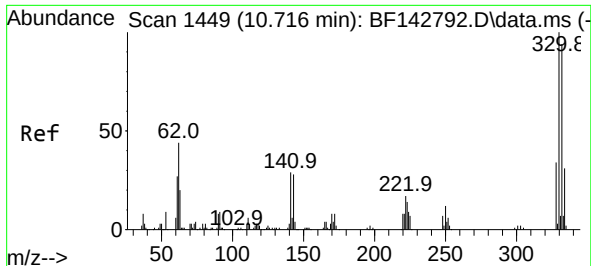
Tgt Ion: 82 Resp: 219701
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

Tgt Ion:164 Resp: 99693
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.8
160 45.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.022 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948

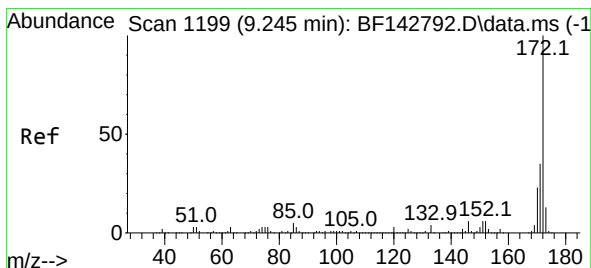
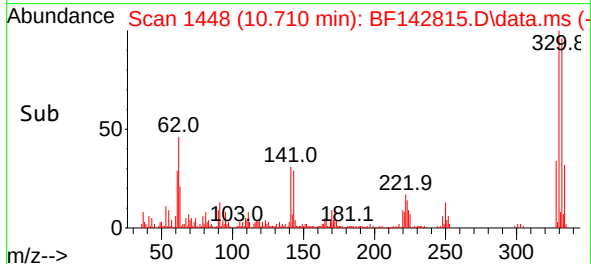
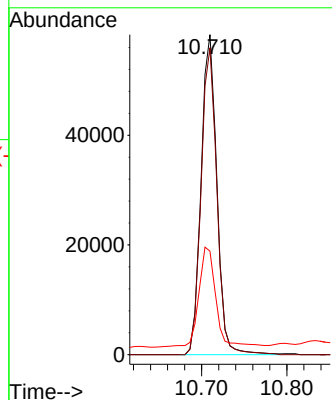
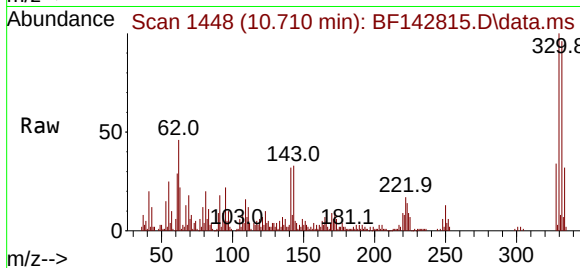
Tgt Ion:330 Resp: 74914

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.6

141 34.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 56.263 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

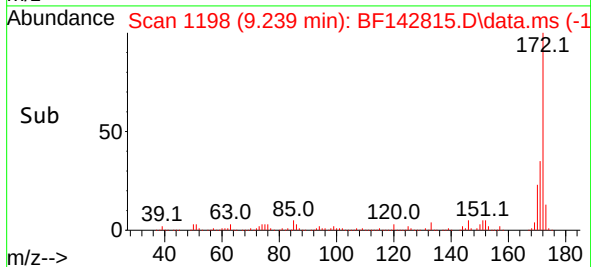
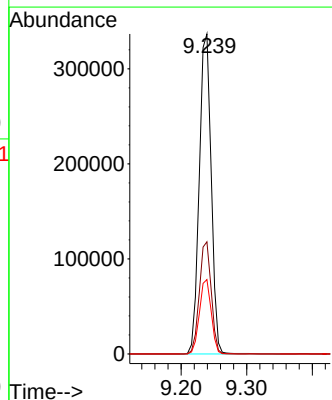
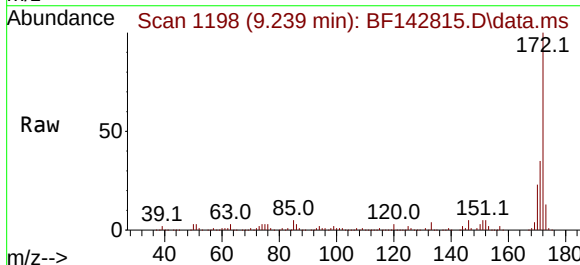
Tgt Ion:172 Resp: 426972

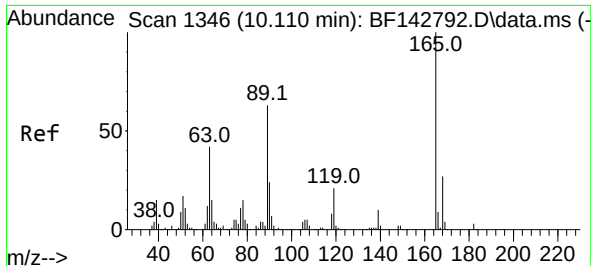
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.5 27.7

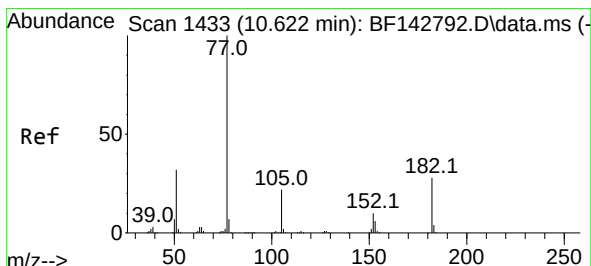
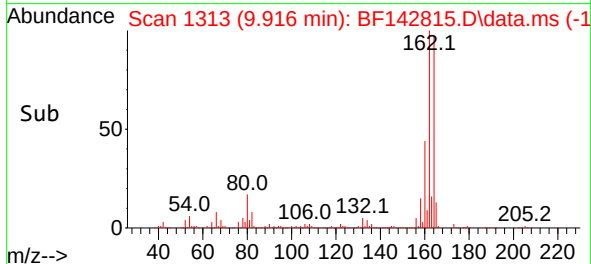
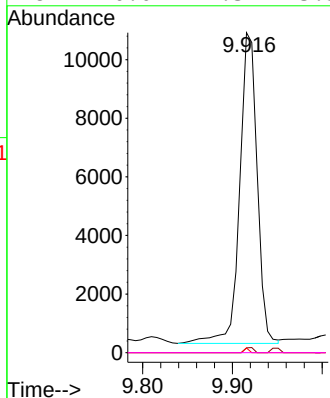
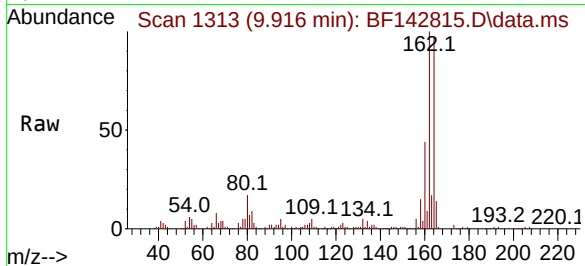




#57
2,4-Dinitrotoluene
Concen: 7.635 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

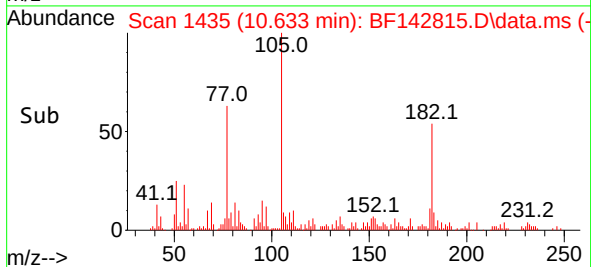
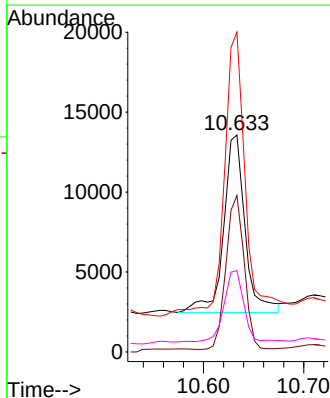
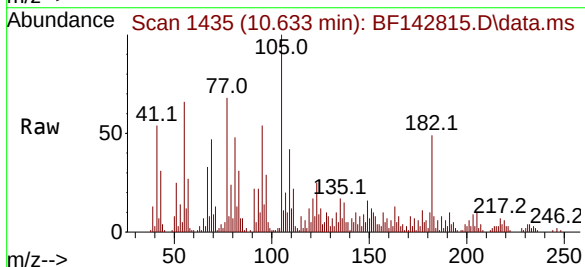
Instrument :
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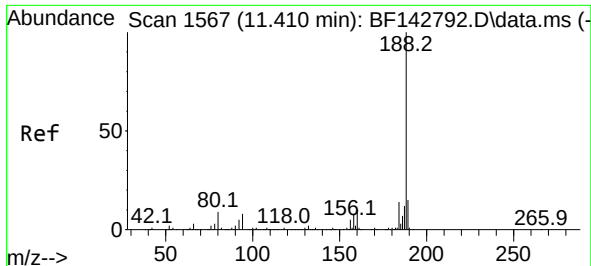
Tgt Ion:165 Resp: 14373
Ion Ratio Lower Upper
165 100
63 1.5 33.9 50.9#
89 1.5 50.6 75.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.923 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.012 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

Tgt Ion: 77 Resp: 16528
Ion Ratio Lower Upper
77 100
182 72.1 7.7 47.7#
105 147.5 1.9 41.9#
51 37.5 13.3 53.3

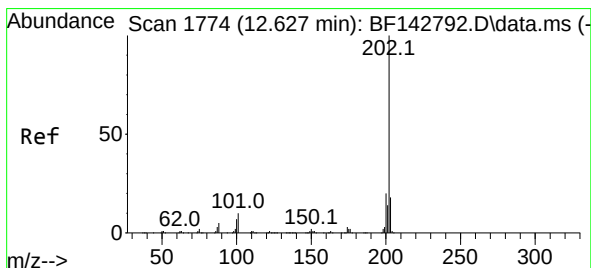
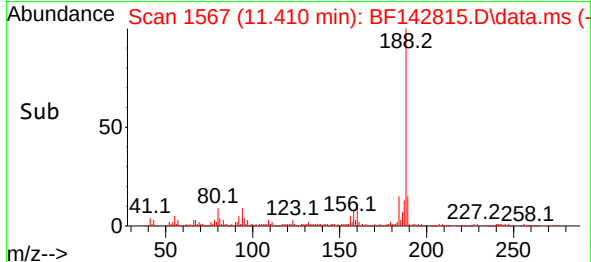
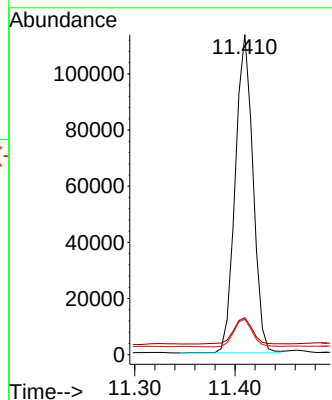
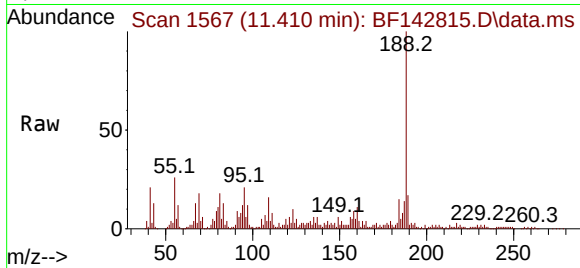




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

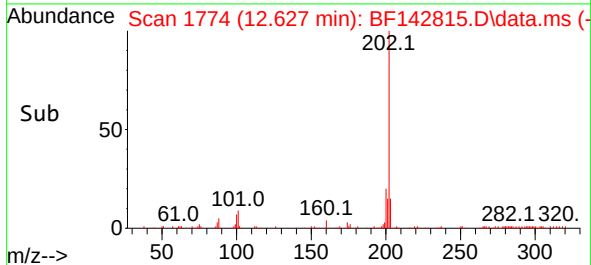
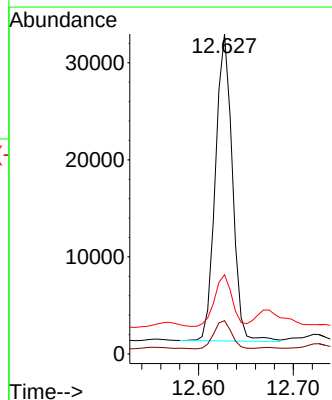
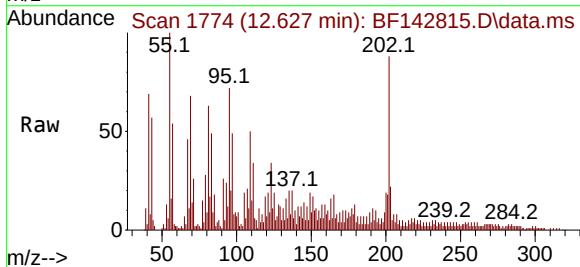
Instrument :
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72-11948

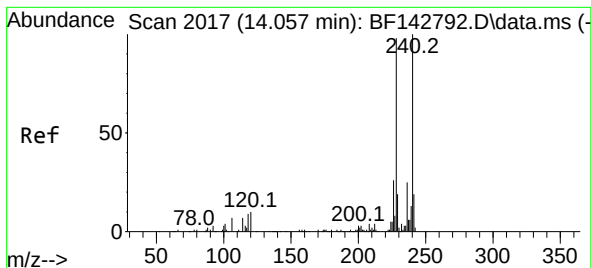
Tgt Ion:188 Resp: 139423
Ion Ratio Lower Upper
188 100
94 11.5 6.7 10.1#
80 11.1 6.9 10.3#



#75
Fluoranthene
Concen: 5.479 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF142815.D
Acq: 24 Jun 2025 12:22

Tgt Ion:202 Resp: 39270
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.7
203 24.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948

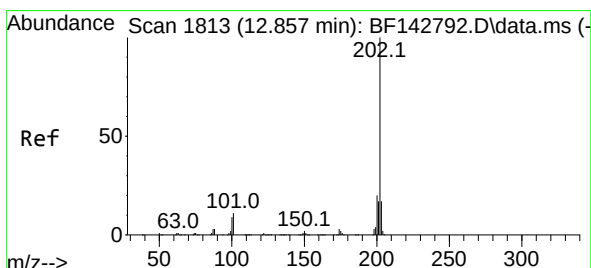
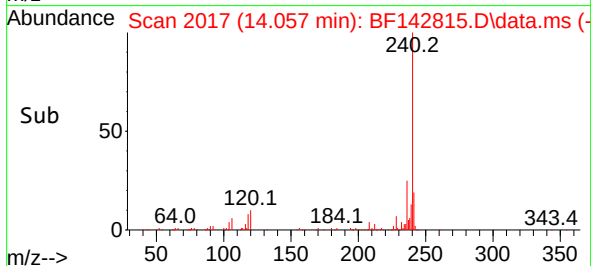
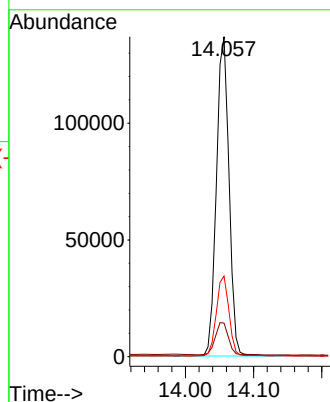
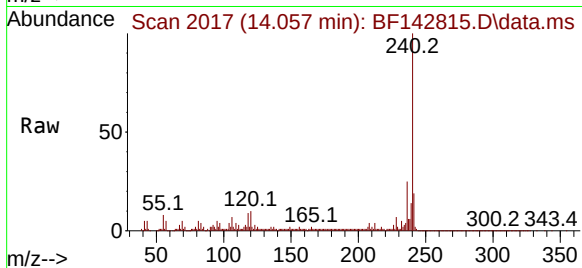
Tgt Ion:240 Resp: 175817

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.2 19.8 29.8



#78

Pyrene

Concen: 2.226 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

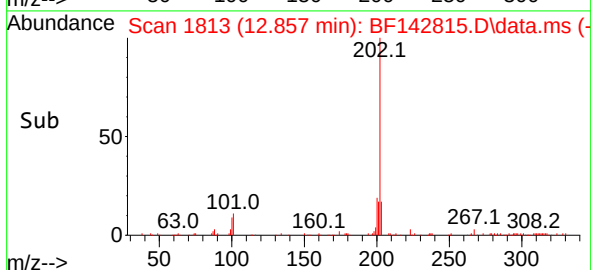
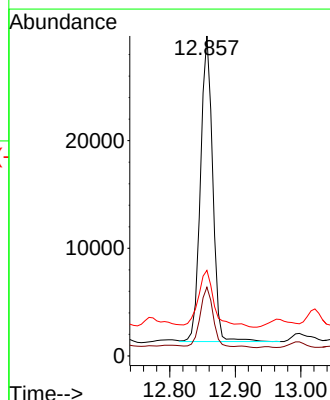
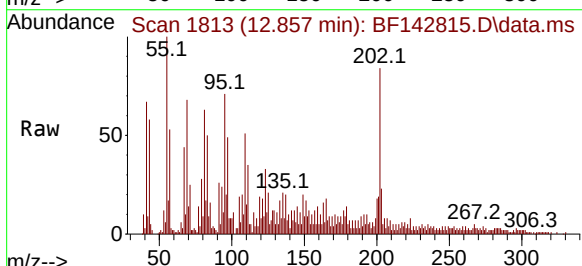
Tgt Ion:202 Resp: 36689

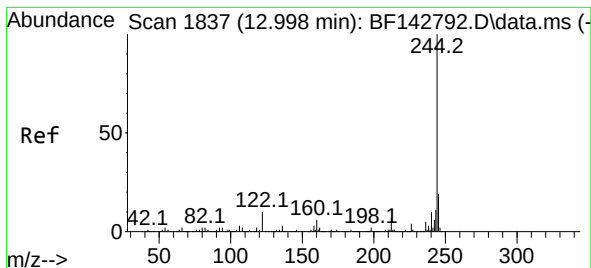
Ion Ratio Lower Upper

202 100

200 21.5 15.7 23.5

203 26.8 13.8 20.6#





#79

Terphenyl-d14

Concen: 31.842 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948

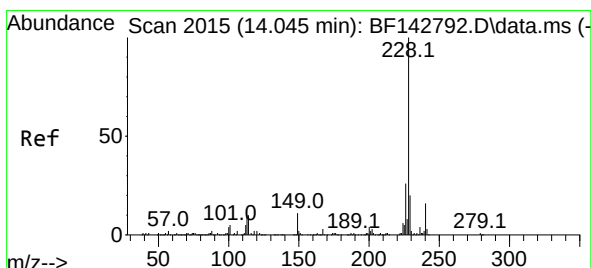
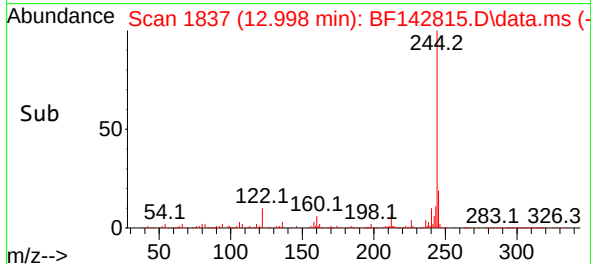
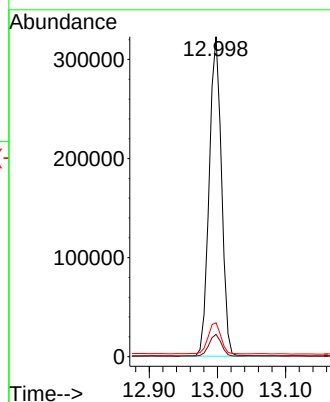
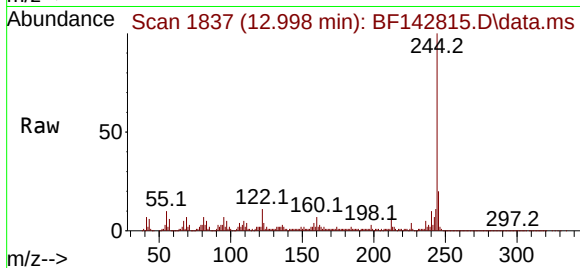
Tgt Ion:244 Resp: 405183

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 2.364 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

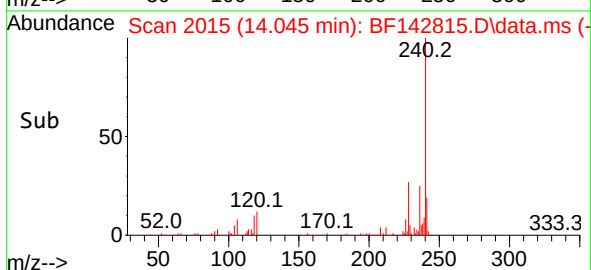
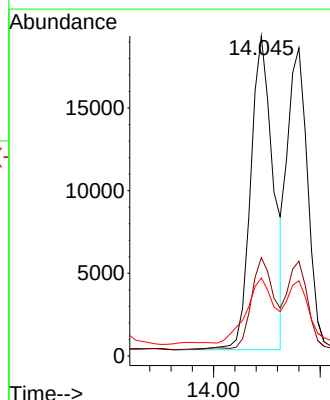
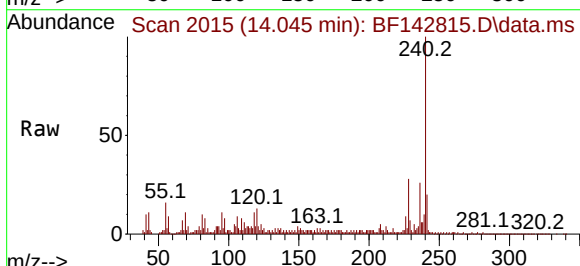
Tgt Ion:228 Resp: 28035

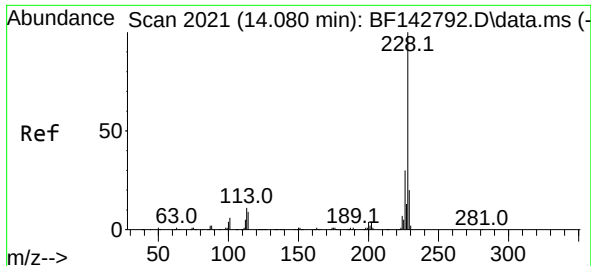
Ion Ratio Lower Upper

228 100

226 30.7 21.2 31.8

229 24.4 15.6 23.4#





#83

Chrysene

Concen: 2.284 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948

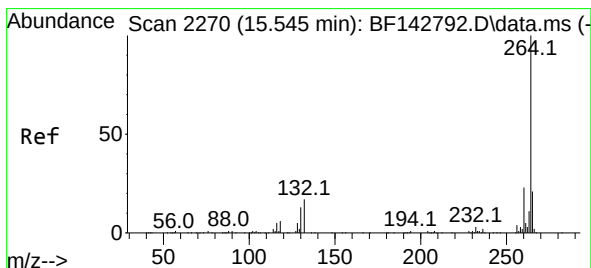
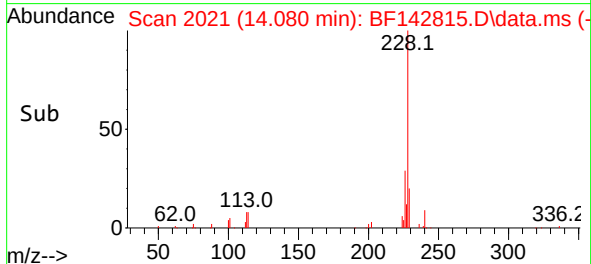
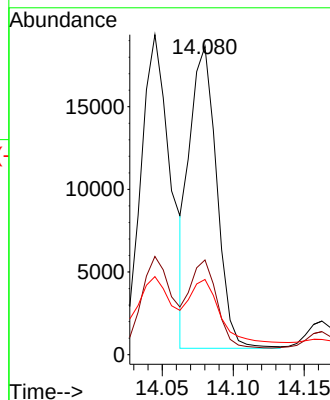
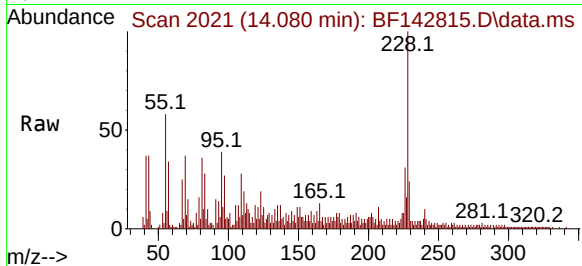
Tgt Ion:228 Resp: 24170

Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

229 24.4 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

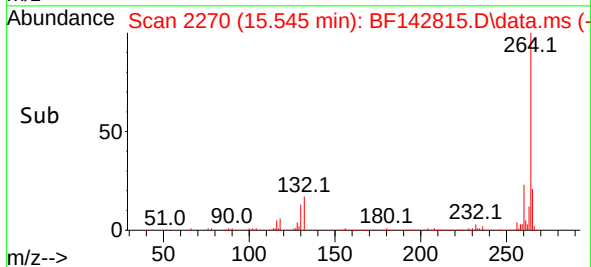
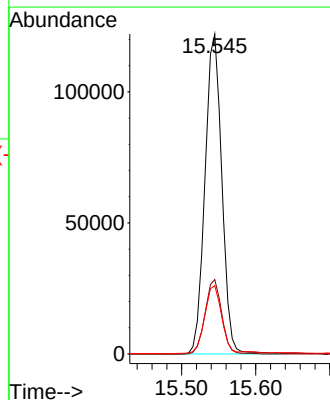
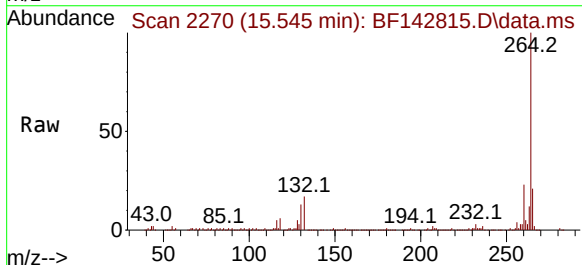
Tgt Ion:264 Resp: 192601

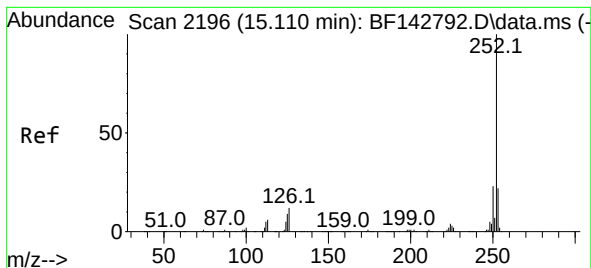
Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 21.4 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.635 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948

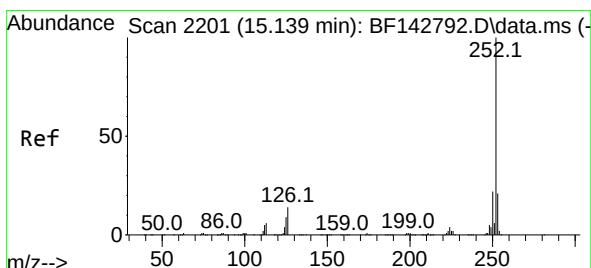
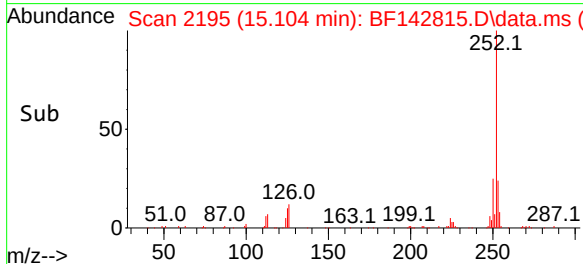
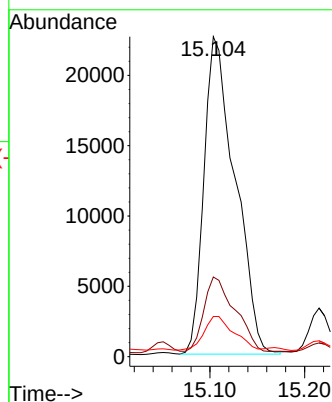
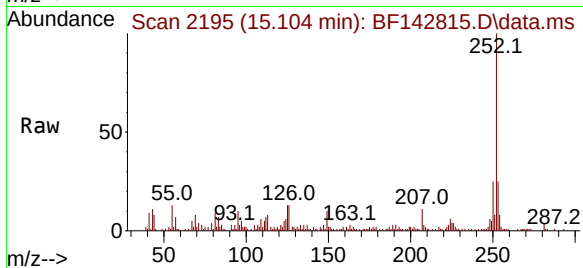
Tgt Ion:252 Resp: 51661

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 12.5 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.955 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142815.D

Acq: 24 Jun 2025 12:22

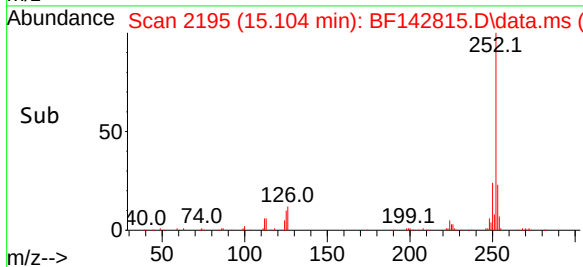
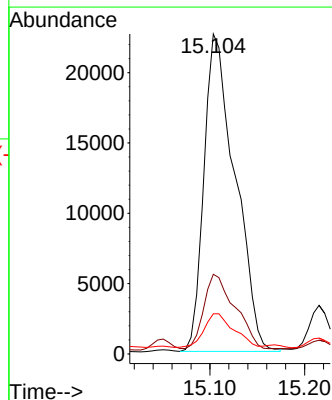
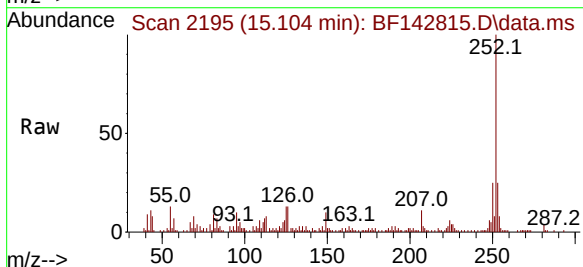
Tgt Ion:252 Resp: 51661

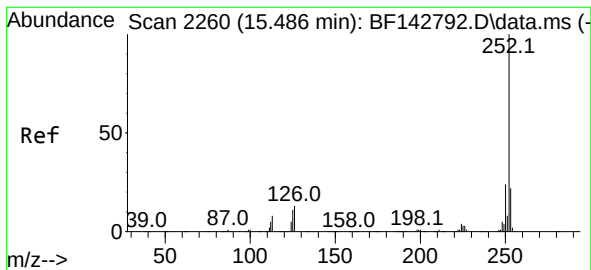
Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

125 12.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.246 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142815.D

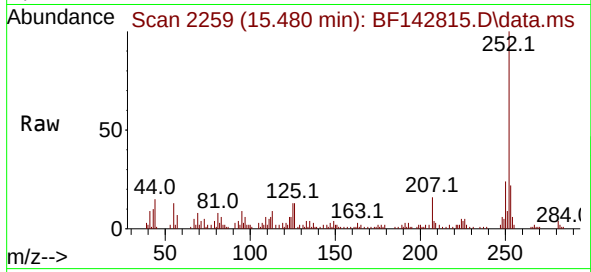
Acq: 24 Jun 2025 12:22

Instrument :

BNA_F

ClientSampleId :

72-11948



Tgt Ion:252 Resp: 24185

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 12.5 8.6 12.8

