

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142894.D
 Acq On : 27 Jun 2025 15:44
 Operator : RC/JU
 Sample : Q2420-01DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933DL

Quant Time: Jun 27 16:06:11 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)

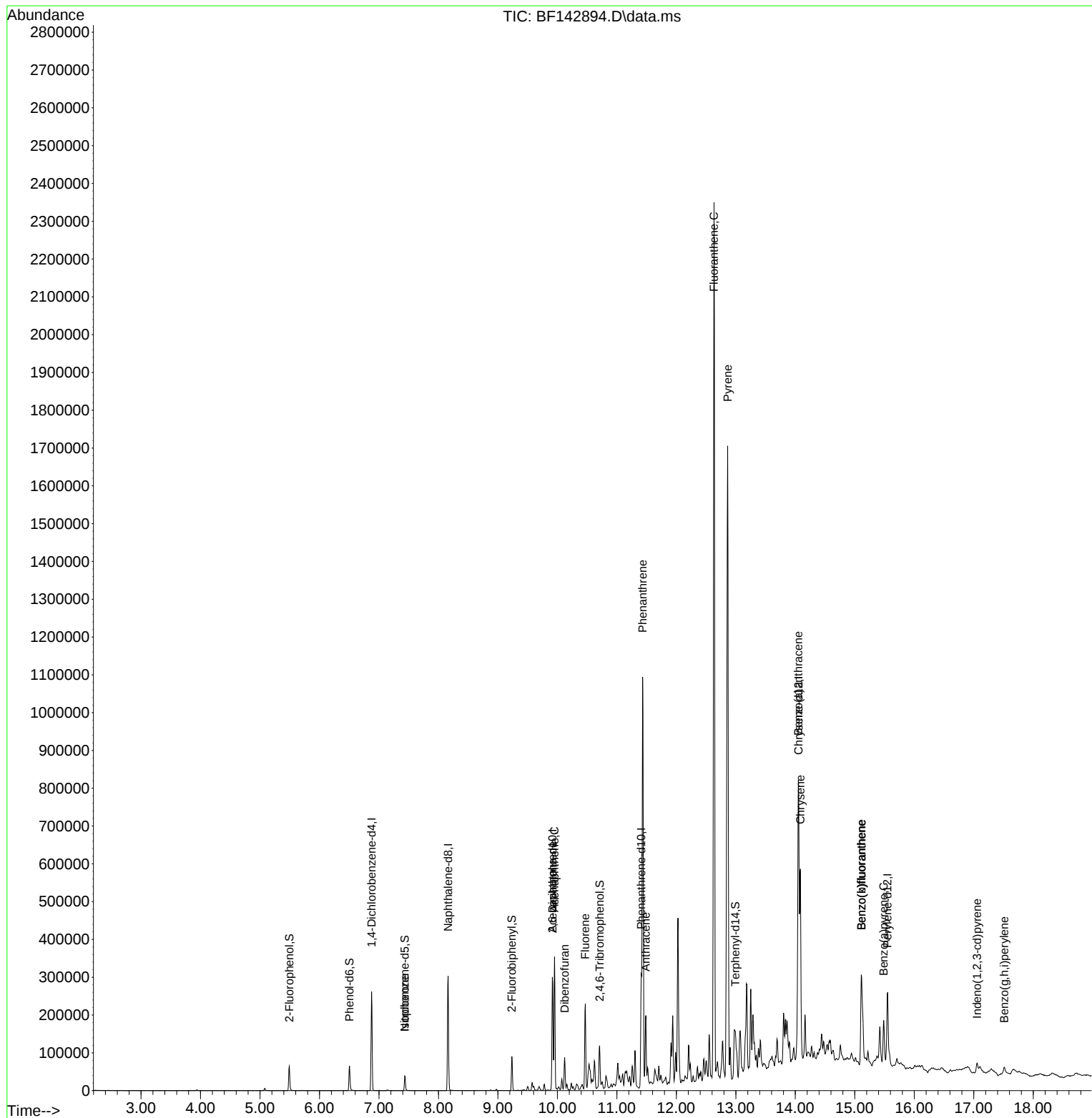
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56754	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	198490	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	92023	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	151388	20.000	ng	0.00
76) Chrysene-d12	14.057	240	150349	20.000	ng	0.00
86) Perylene-d12	15.551	264	109943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	27462	8.056	ng	0.00
7) Phenol-d6	6.504	99	32581	8.101	ng	0.00
23) Nitrobenzene-d5	7.434	82	18393	5.083	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	6763	7.142	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	42832	6.114	ng	-0.01
79) Terphenyl-d14	12.992	244	46417	4.266	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	18392	3.168	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12257	9.370	ng	# 26
52) Acenaphthene	9.951	154	107555	19.630	ng	100
55) Dibenzofuran	10.122	168	42676	5.432	ng	98
58) Fluorene	10.469	166	88941	14.495	ng	99
71) Phenanthrene	11.433	178	593131	72.327	ng	99
72) Anthracene	11.486	178	98605	11.724	ng	99
75) Fluoranthene	12.633	202	1441507	185.215	ng	99
78) Pyrene	12.863	202	1040441	73.828	ng	97
81) Benzo(a)anthracene	14.051	228	352280	34.733	ng	98
83) Chrysene	14.086	228	255720	28.255	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	18997	2.269	ng	# 89
88) Benzo(b)fluoranthene	15.110	252	203890	32.049	ng	98
89) Benzo(k)fluoranthene	15.110	252	203890	34.256	ng	98
90) Benzo(a)pyrene	15.486	252	65679	10.687	ng	97
92) Benzo(g,h,i)perylene	17.515	276	16027	2.362	ng	98

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

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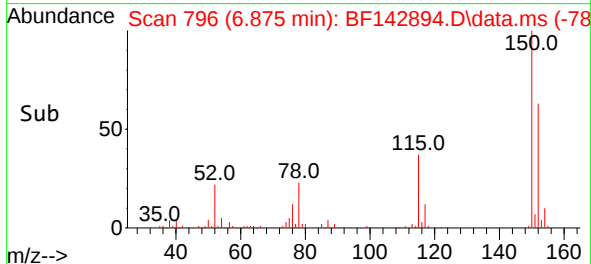
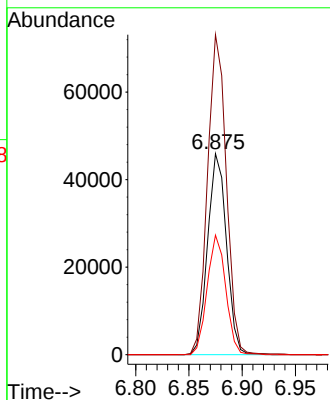
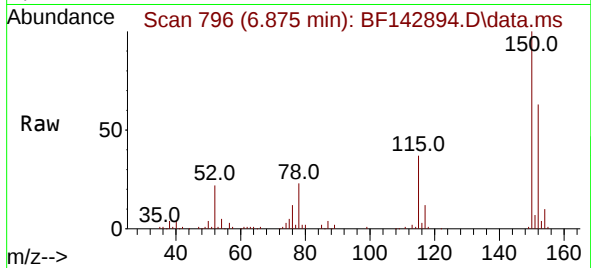




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142894.D
 Acq: 27 Jun 2025 15:44

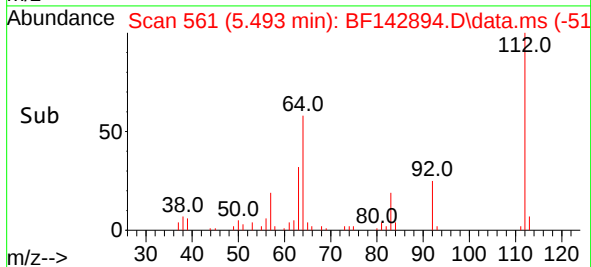
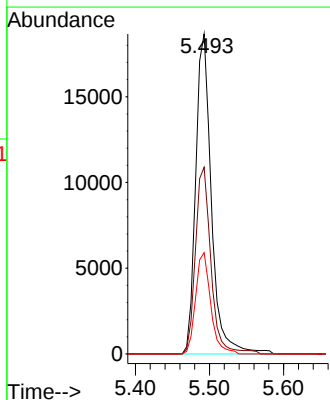
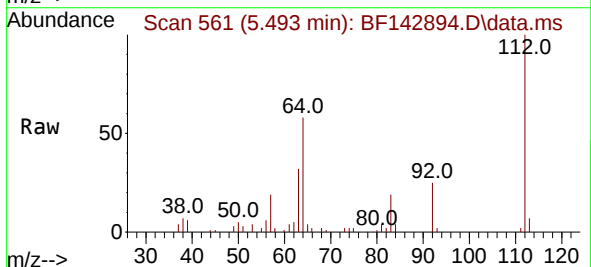
Instrument :
 BNA_F
 ClientSampleId :
 72-11933DL

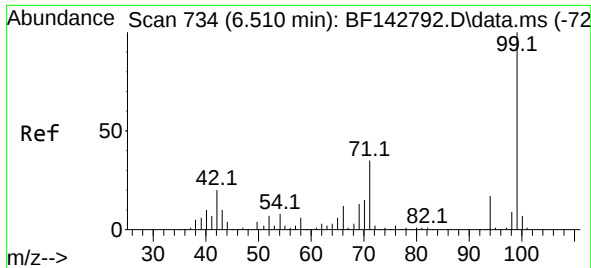
Tgt Ion:152 Resp: 56754
 Ion Ratio Lower Upper
 152 100
 150 159.2 127.2 190.8
 115 59.5 46.6 69.8



#5
 2-Fluorophenol
 Concen: 8.056 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142894.D
 Acq: 27 Jun 2025 15:44

Tgt Ion:112 Resp: 27462
 Ion Ratio Lower Upper
 112 100
 64 58.4 48.2 72.2
 63 31.7 25.7 38.5

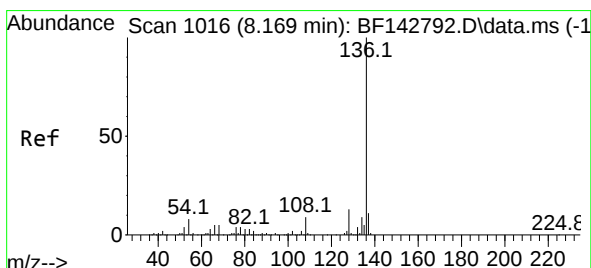
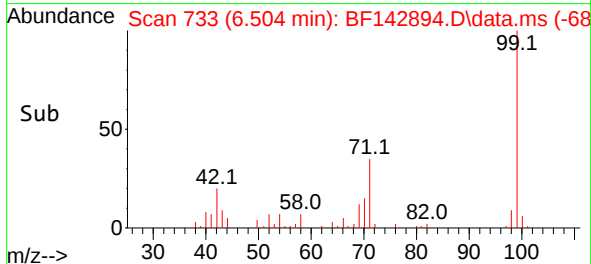
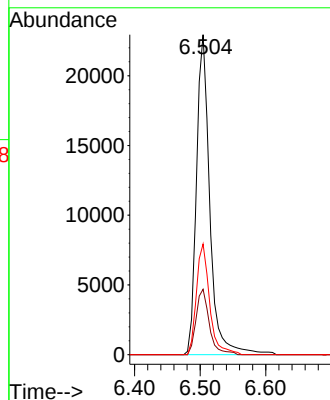
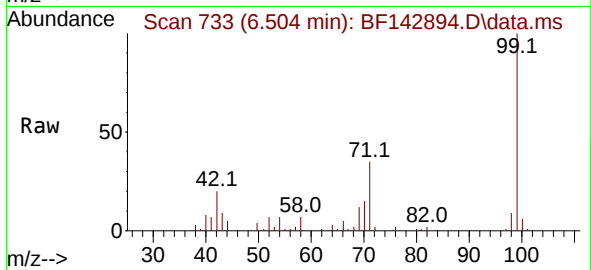




#7
Phenol-d6
Concen: 8.101 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

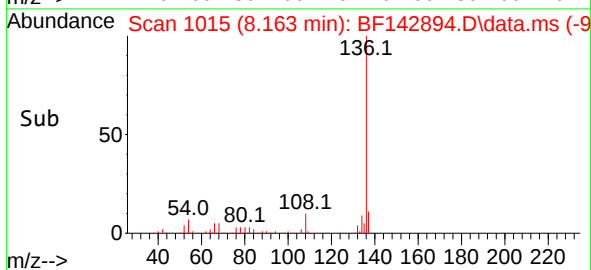
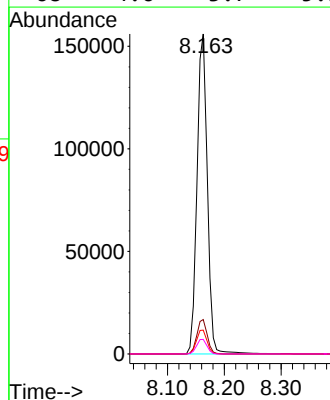
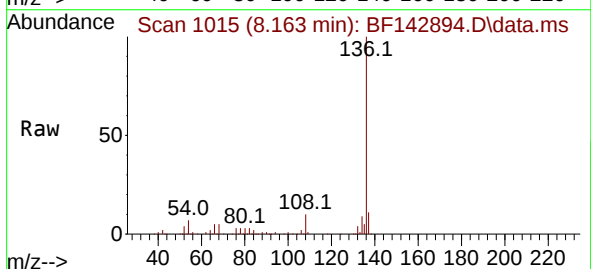
Instrument :
BNA_F
ClientSampleId :
72-11933DL

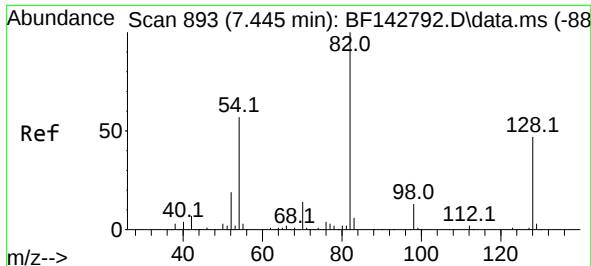
Tgt Ion:	99	Resp:	32581
Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.9	23.9
71	34.6	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:	136	Resp:	198490
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.5	6.3	9.5
68	4.6	3.7	5.5





#23

Nitrobenzene-d5

Concen: 5.083 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

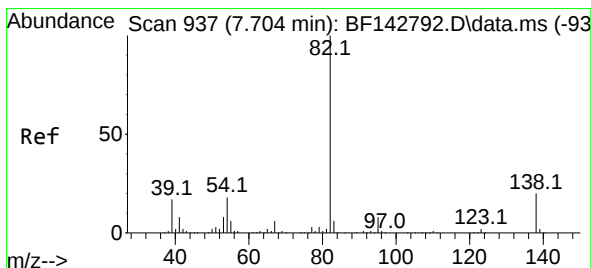
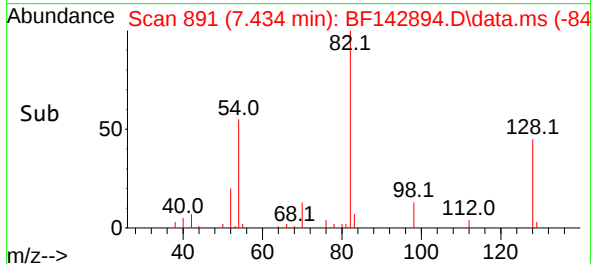
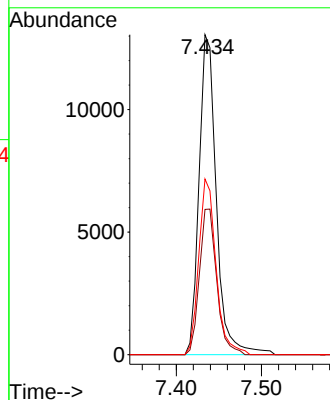
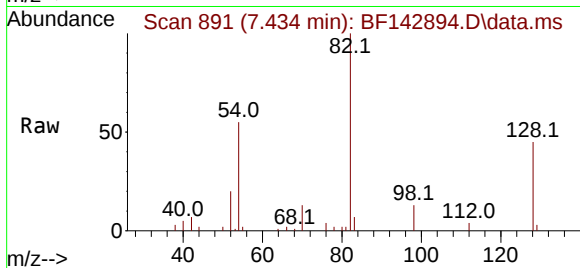
Tgt Ion: 82 Resp: 18393

Ion Ratio Lower Upper

82 100

128 45.4 37.7 56.5

54 54.9 45.7 68.5



#25

Isophorone

Concen: 3.168 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.270 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

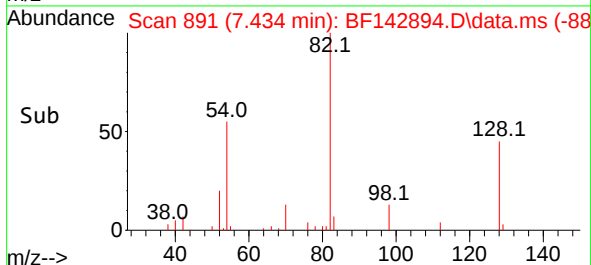
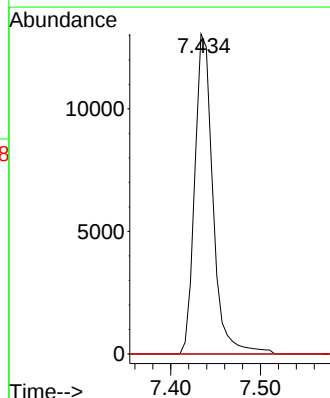
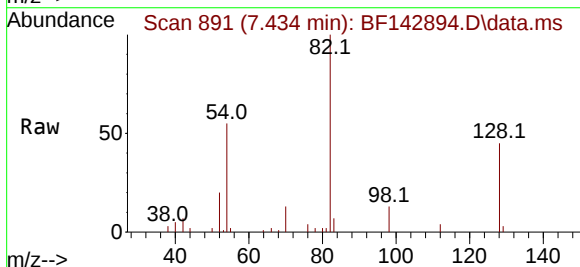
Tgt Ion: 82 Resp: 18392

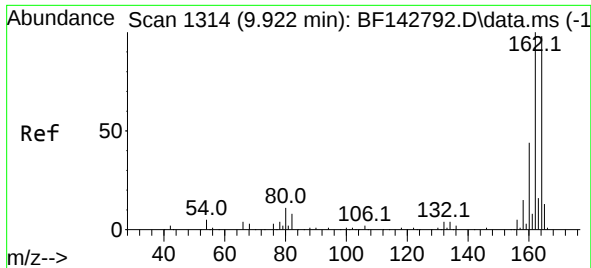
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

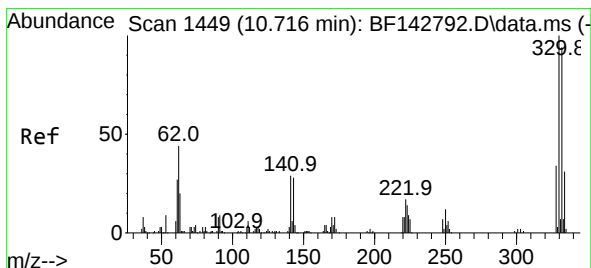
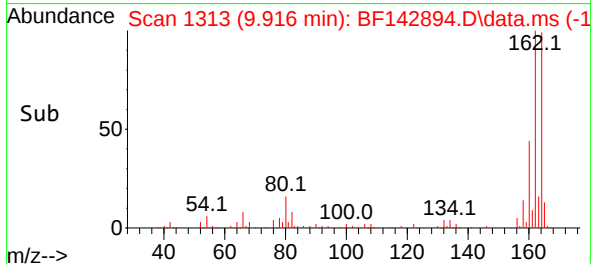
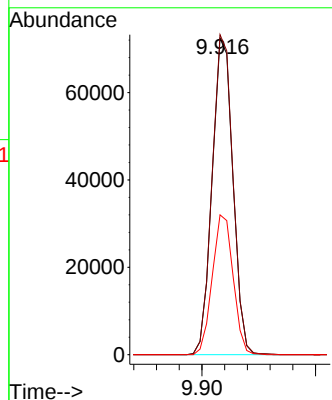
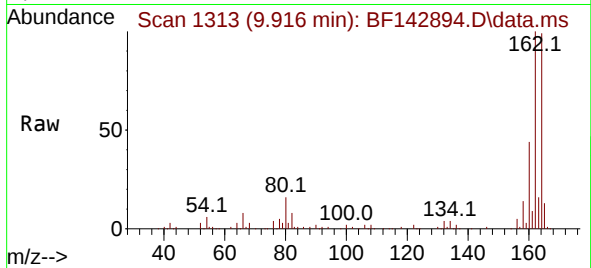




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

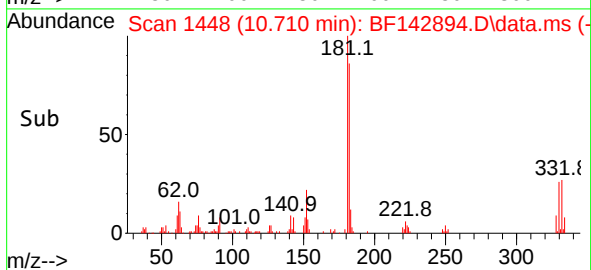
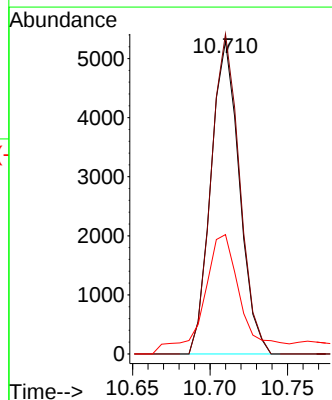
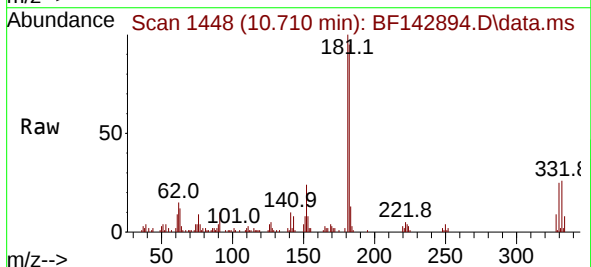
Instrument :
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ClientSampleId :
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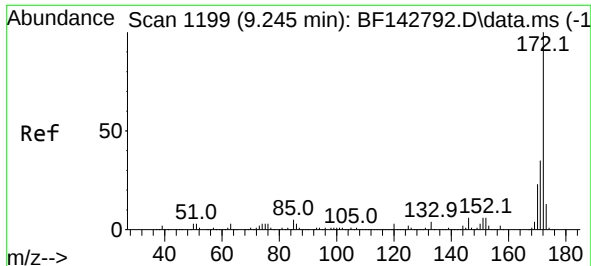
Tgt Ion:164 Resp: 92023
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 44.2 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 7.142 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:330 Resp: 6763
Ion Ratio Lower Upper
330 100
332 102.1 75.0 112.6
141 50.3 25.3 37.9#





#45

2-Fluorobiphenyl

Concen: 6.114 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

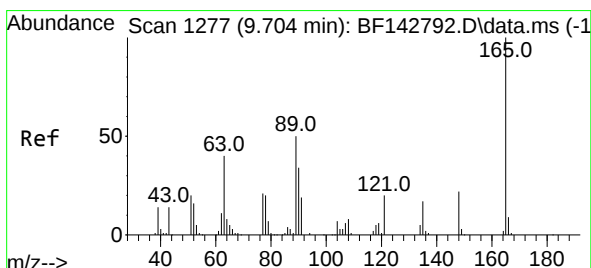
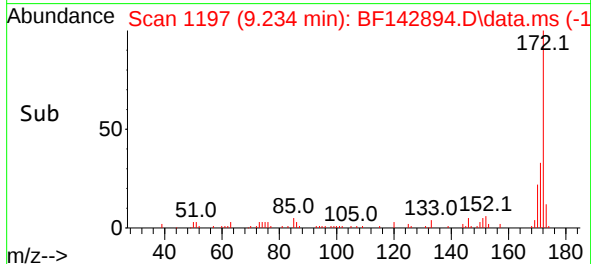
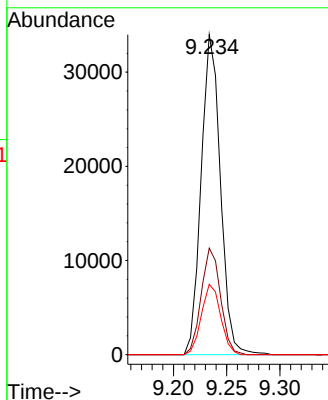
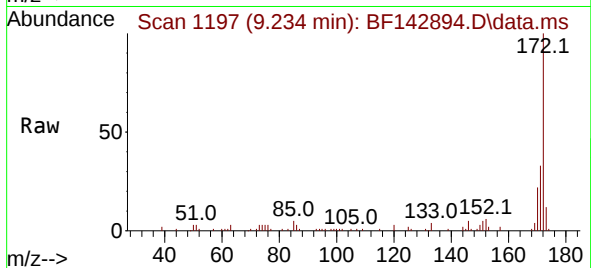
Tgt Ion:172 Resp: 42832

Ion Ratio Lower Upper

172 100

171 33.3 28.2 42.4

170 22.0 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.370 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

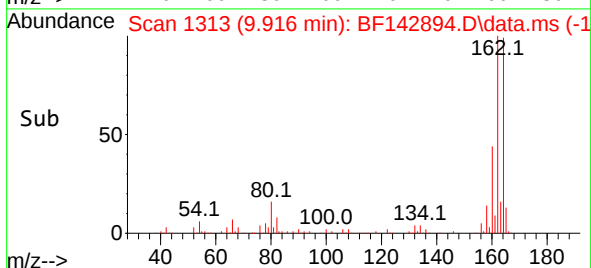
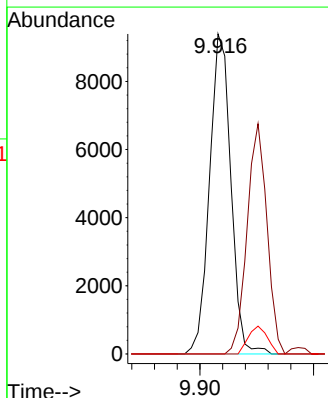
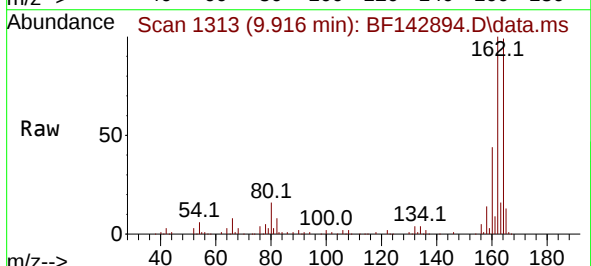
Tgt Ion:165 Resp: 12257

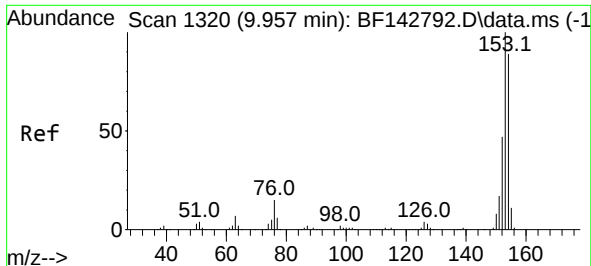
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

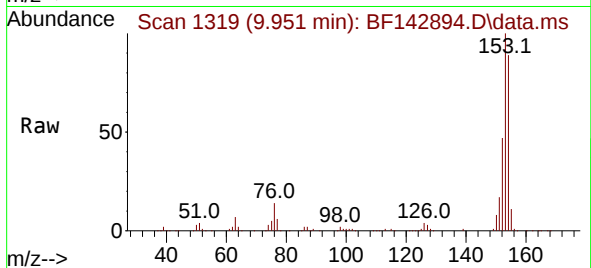
89 0.0 39.8 59.8#



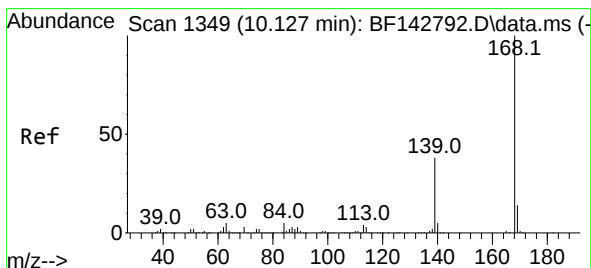
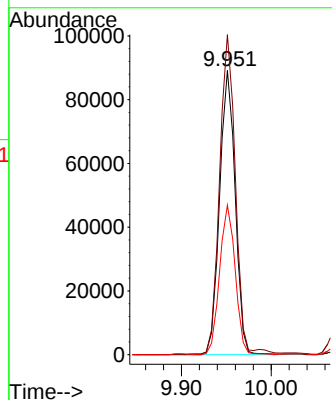
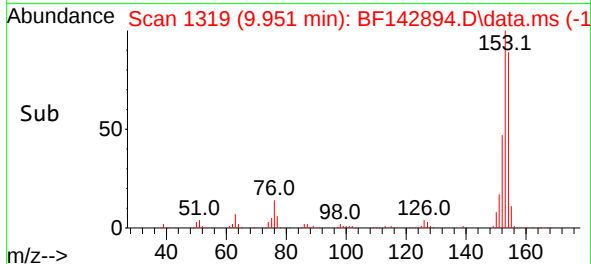


#52
Acenaphthene
Concen: 19.630 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

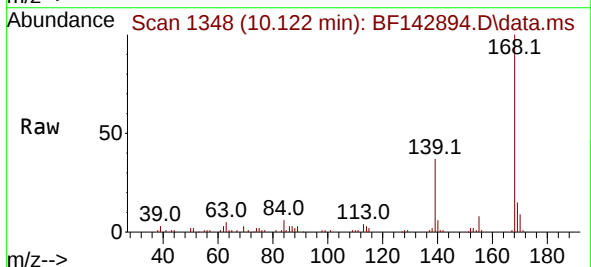
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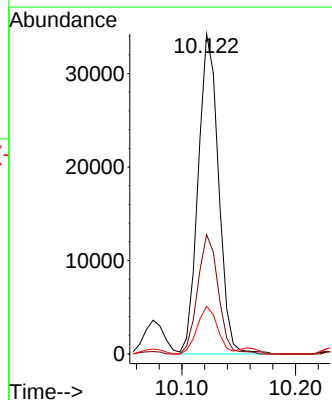
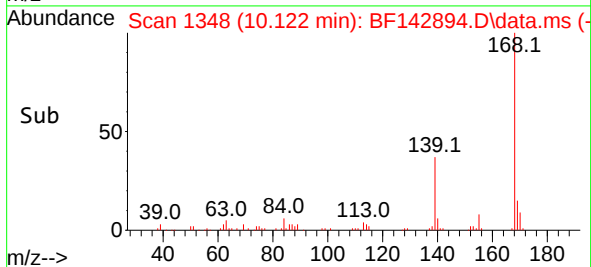
Tgt Ion:154 Resp: 107555
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 52.6 41.9 62.9

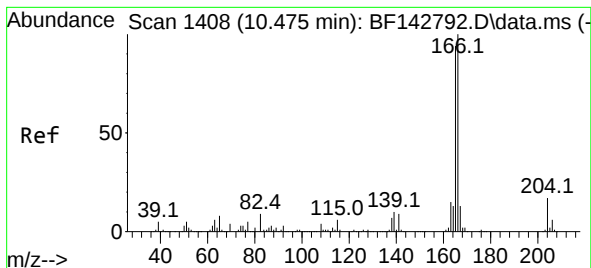


#55
Dibenzofuran
Concen: 5.432 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



Tgt Ion:168 Resp: 42676
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.4
169 14.9 10.8 16.2





#58

Fluorene

Concen: 14.495 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

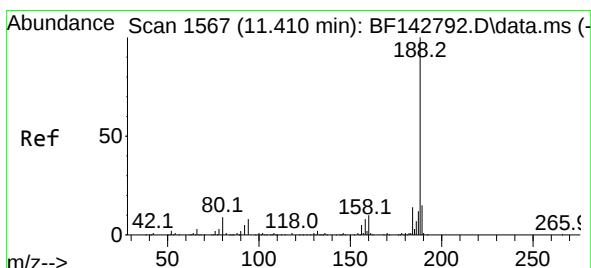
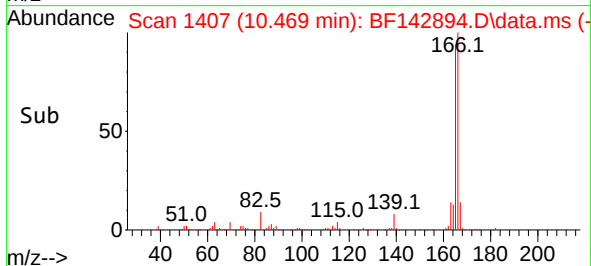
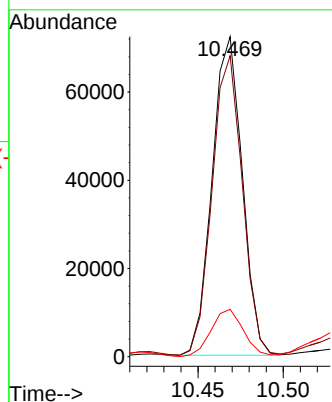
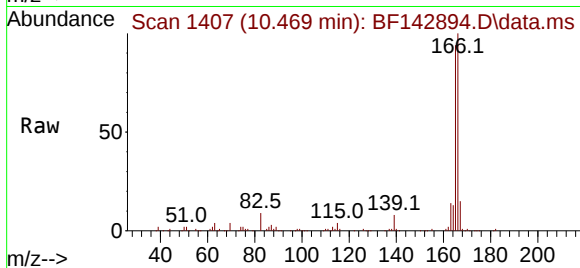
Tgt Ion:166 Resp: 88941

Ion Ratio Lower Upper

166 100

165 94.0 75.2 112.8

167 14.8 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

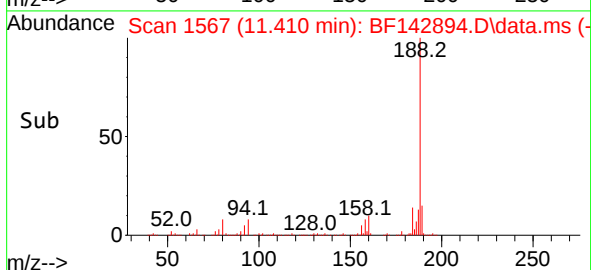
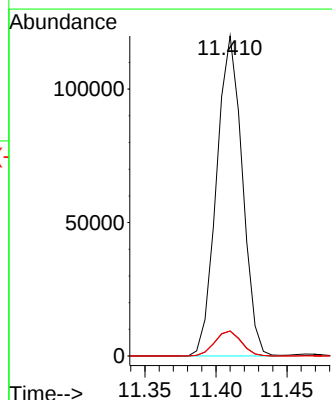
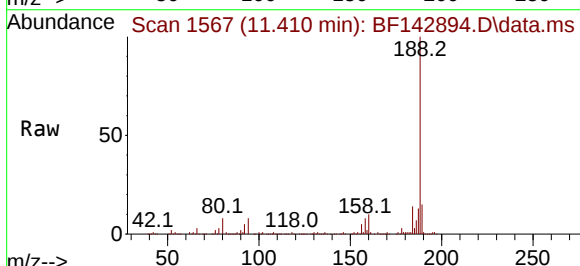
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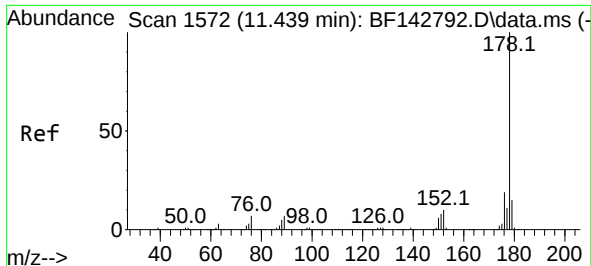
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 7.8 6.9 10.3

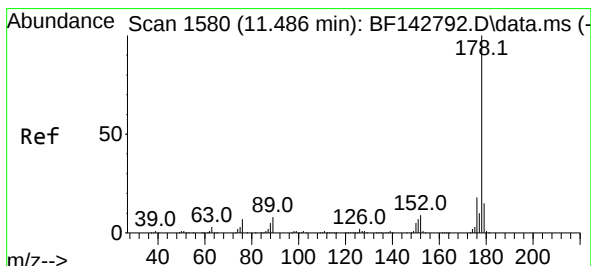
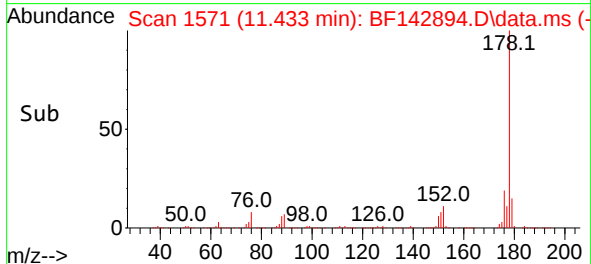
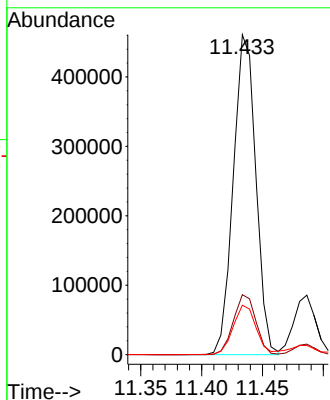
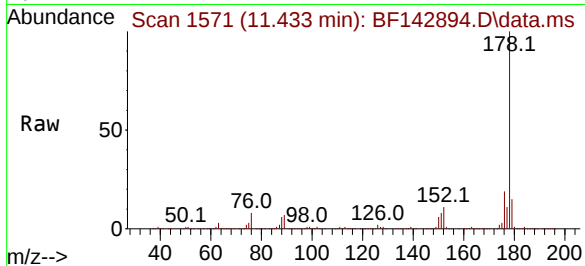




#71
Phenanthrene
Concen: 72.327 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

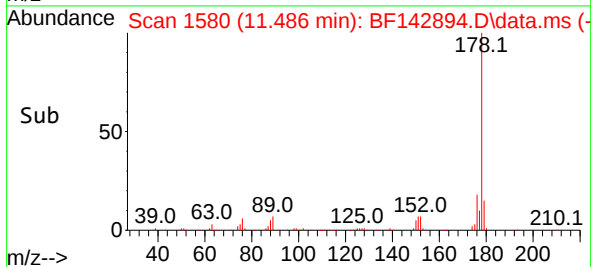
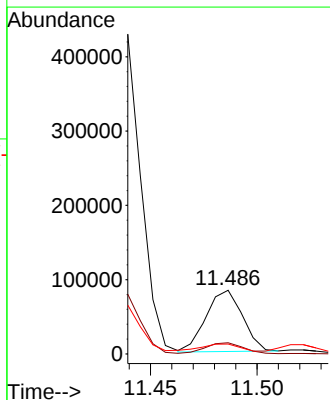
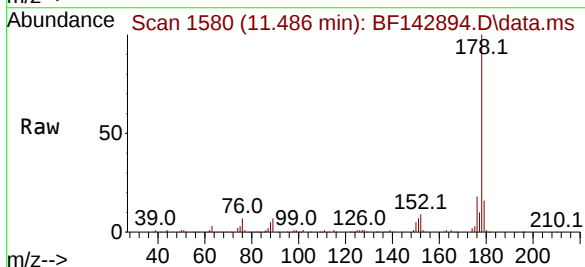
Instrument :
BNA_F
ClientSampleId :
72-11933DL

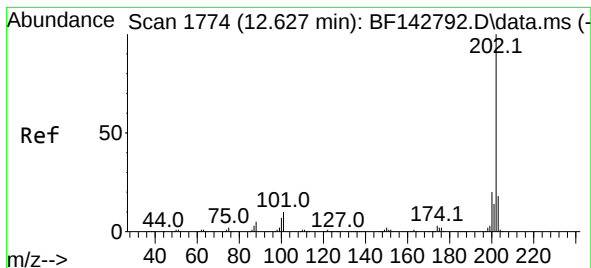
Tgt Ion:178 Resp: 593131
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 11.724 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:178 Resp: 98605
Ion Ratio Lower Upper
178 100
176 17.7 14.6 21.8
179 15.6 12.4 18.6





#75

Fluoranthene

Concen: 185.215 ng

RT: 12.633 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

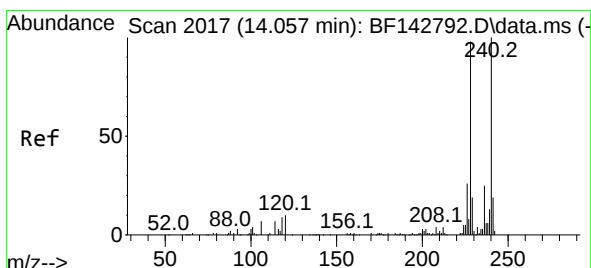
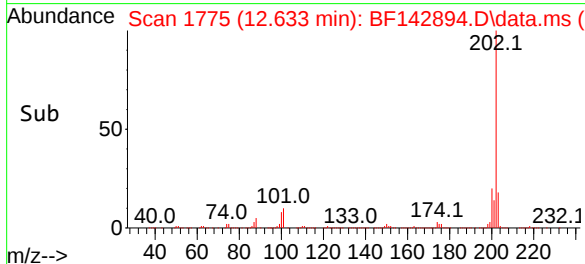
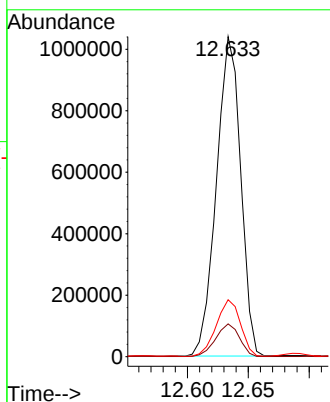
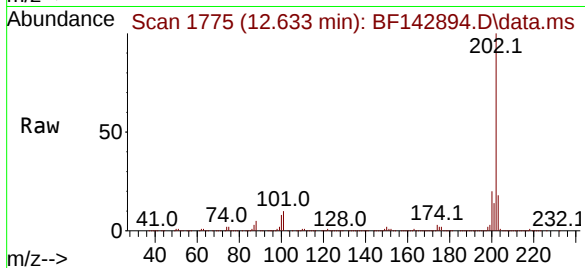
Tgt Ion:202 Resp: 1441507

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.7

203 17.8 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: BF142894.D

Acq: 27 Jun 2025 15:44

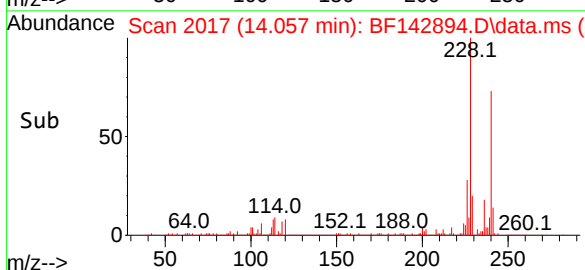
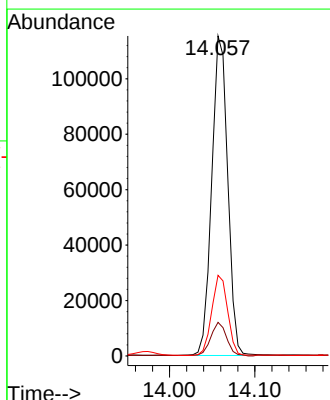
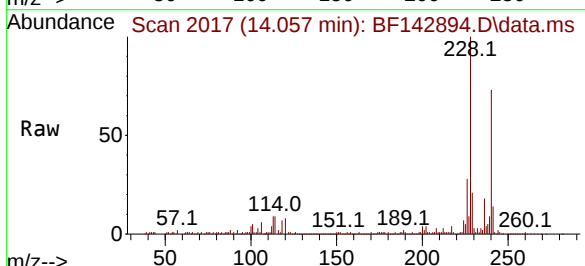
Tgt Ion:240 Resp: 150349

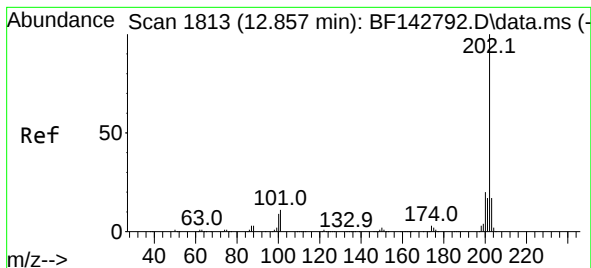
Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.2 19.8 29.8





#78

Pyrene

Concen: 73.828 ng

RT: 12.863 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

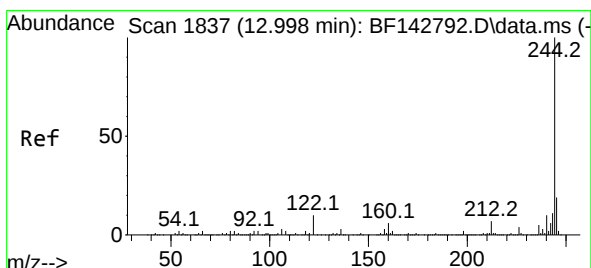
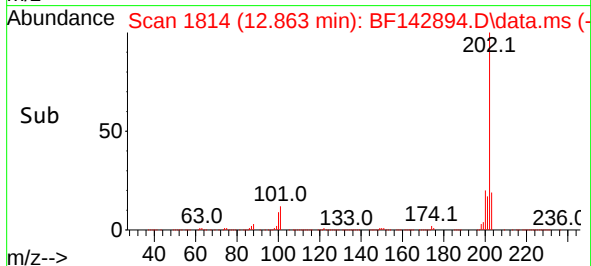
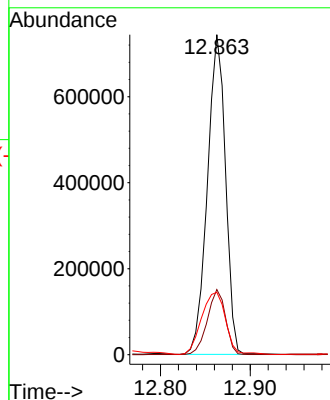
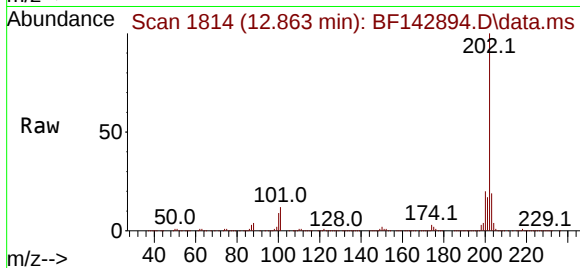
Tgt Ion:202 Resp: 1040441

Ion Ratio Lower Upper

202 100

200 20.3 15.7 23.5

203 19.5 13.8 20.6



#79

Terphenyl-d14

Concen: 4.266 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

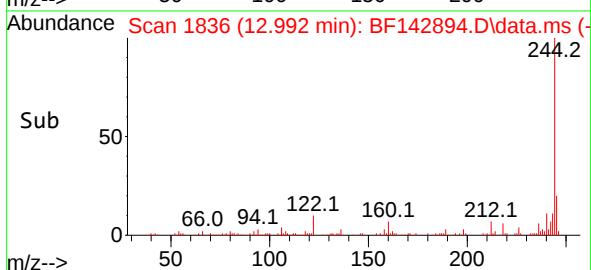
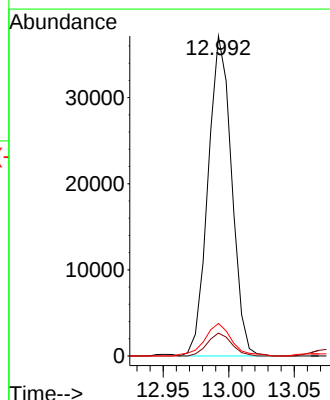
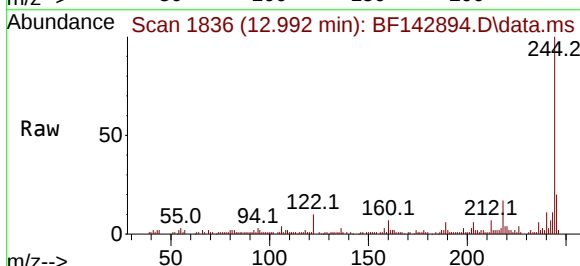
Tgt Ion:244 Resp: 46417

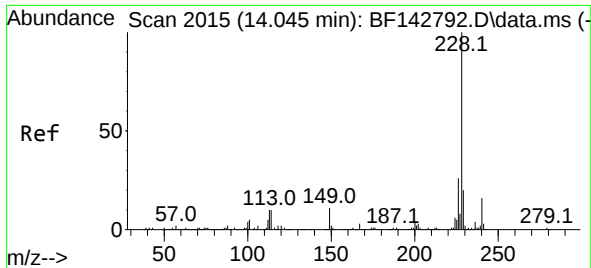
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 10.1 8.2 12.2

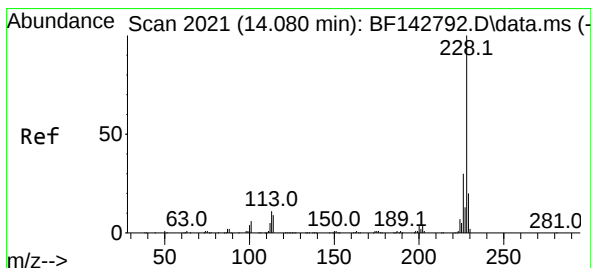
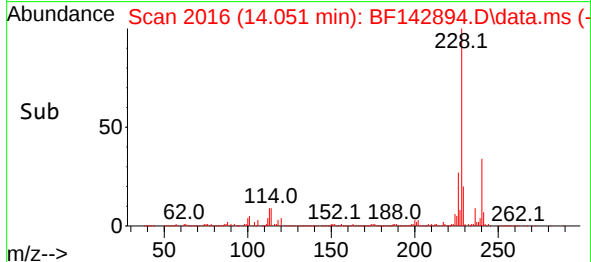
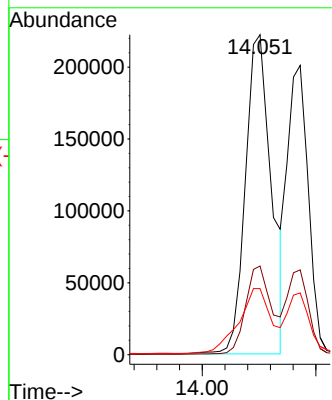
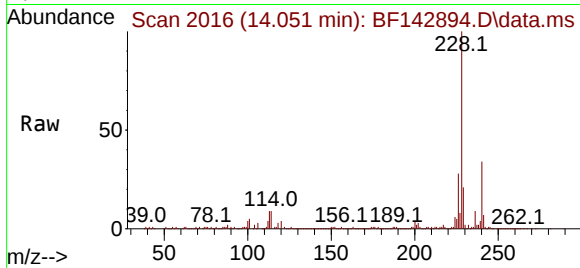




#81
Benzo(a)anthracene
Concen: 34.733 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

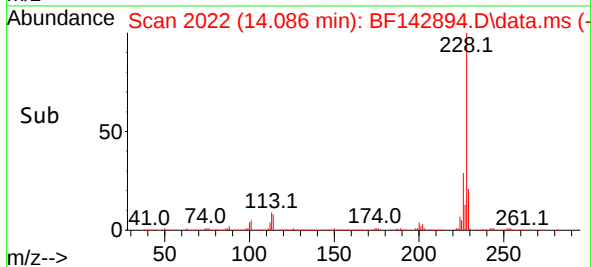
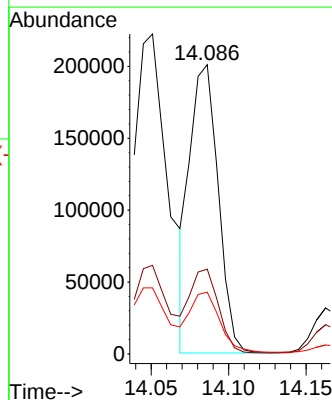
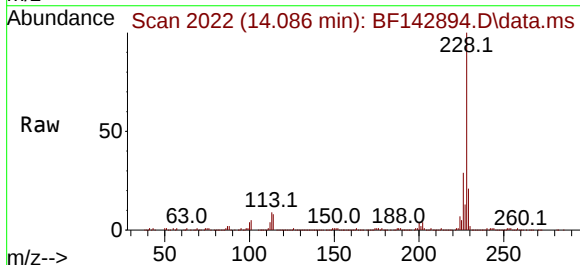
Instrument :
BNA_F
ClientSampleId :
72-11933DL

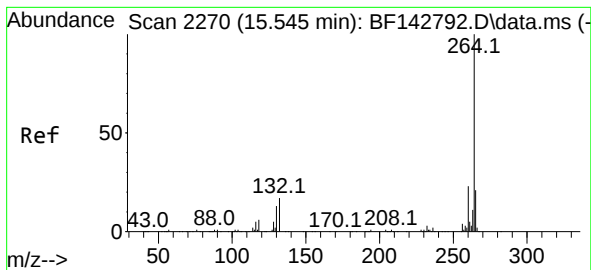
Tgt Ion:228 Resp: 352280
Ion Ratio Lower Upper
228 100
226 27.7 21.2 31.8
229 20.7 15.6 23.4



#83
Chrysene
Concen: 28.255 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:228 Resp: 255720
Ion Ratio Lower Upper
228 100
226 29.3 23.7 35.5
229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

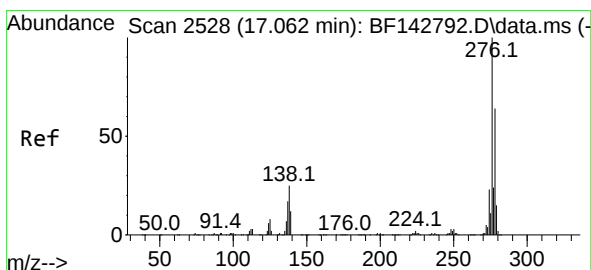
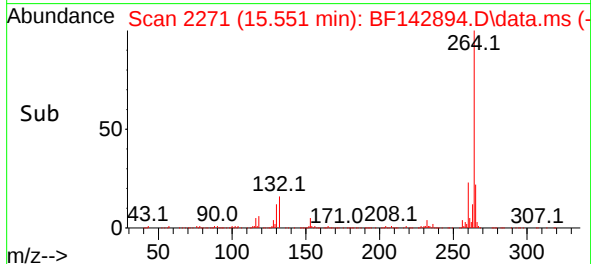
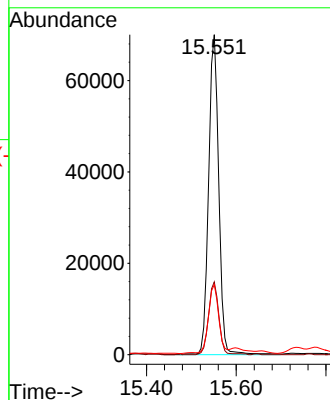
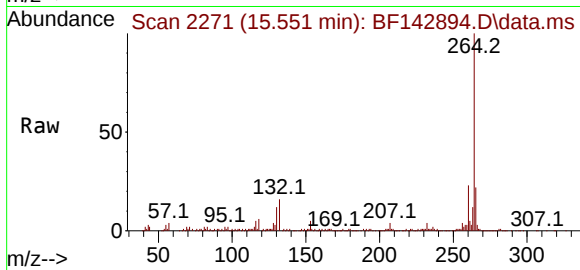
Tgt Ion:264 Resp: 109943

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.269 ng

RT: 17.057 min Scan# 2527

Delta R.T. -0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

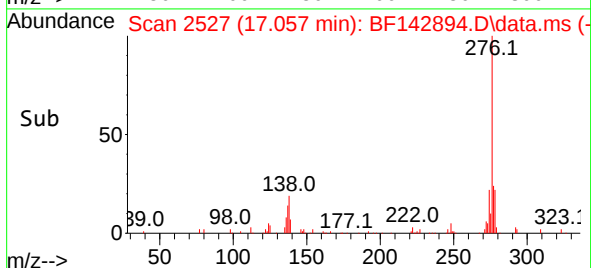
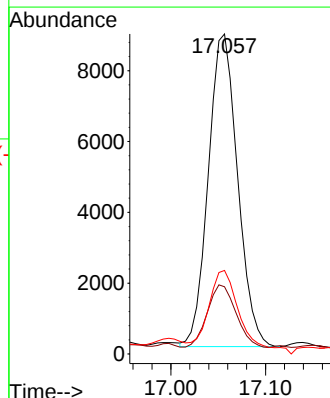
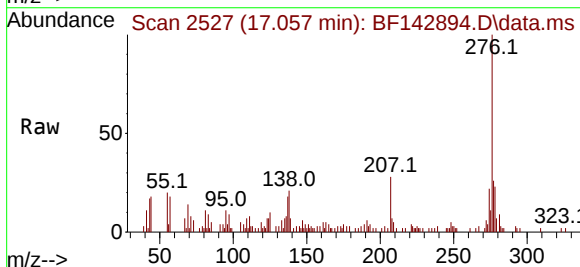
Tgt Ion:276 Resp: 18997

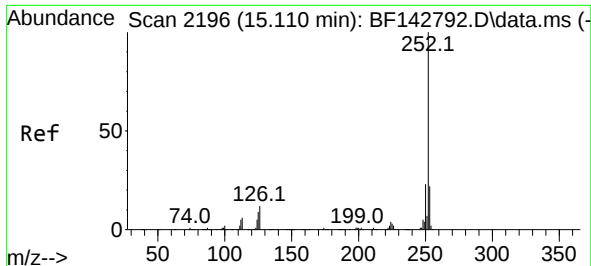
Ion Ratio Lower Upper

276 100

138 19.6 20.2 30.4#

277 29.7 19.8 29.6#

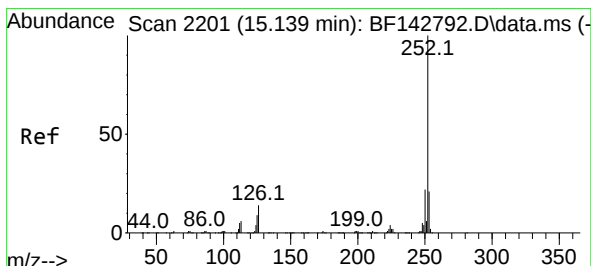
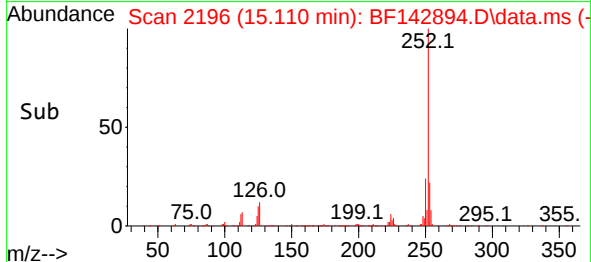
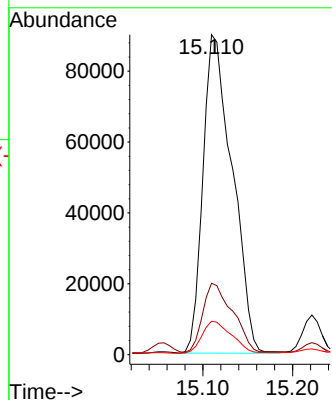
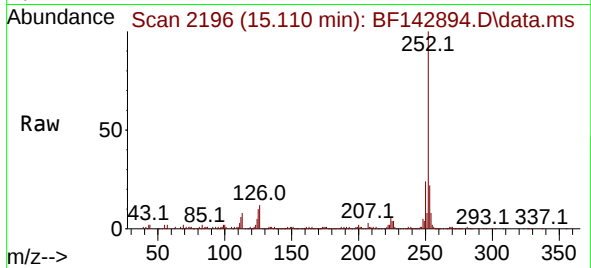




#88
Benzo(b)fluoranthene
Concen: 32.049 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

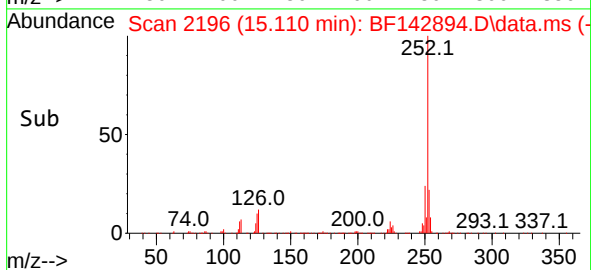
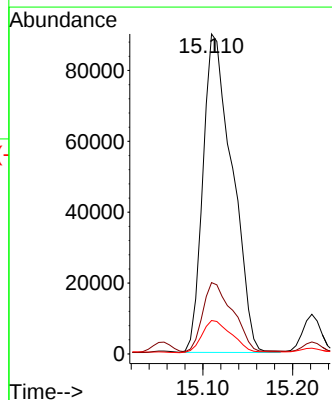
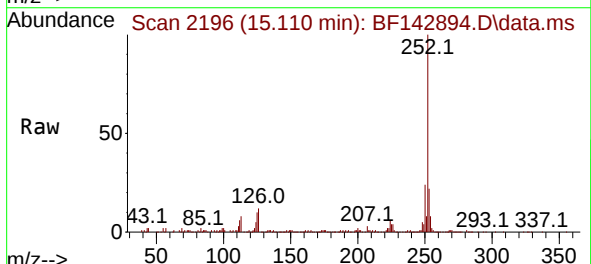
Instrument :
BNA_F
ClientSampleId :
72-11933DL

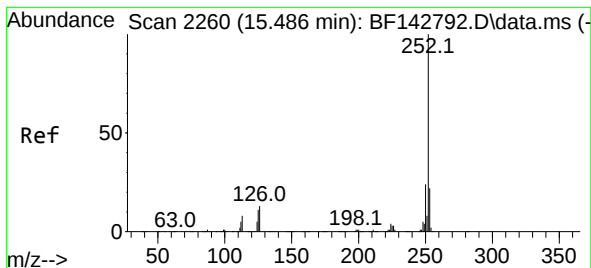
Tgt Ion:252 Resp: 203890
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.4 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 34.256 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:252 Resp: 203890
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 10.4 7.4 11.2





#90

Benzo(a)pyrene

Concen: 10.687 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

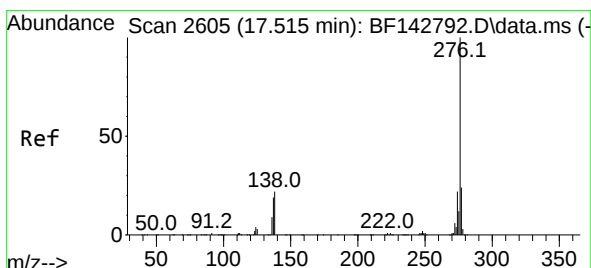
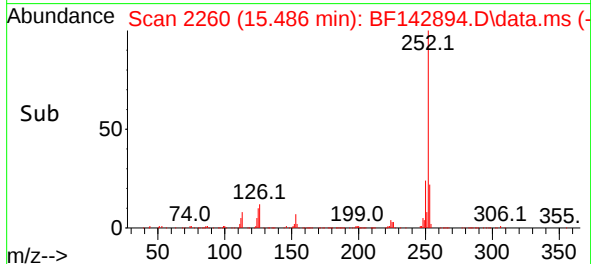
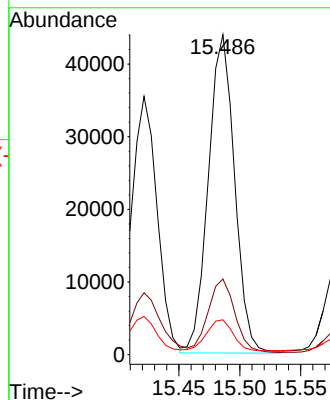
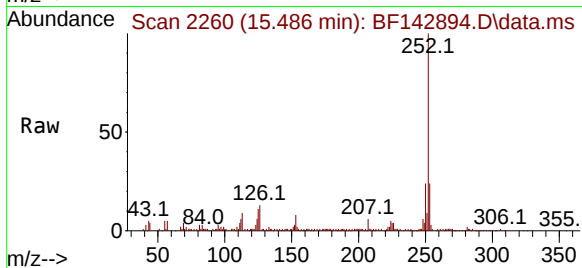
Tgt Ion:252 Resp: 65679

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 10.9 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 2.362 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Tgt Ion:276 Resp: 16027

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 22.4 17.6 26.4

