

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142854.D
 Acq On : 25 Jun 2025 23:41
 Operator : RC/JU
 Sample : Q2412-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-062425

Quant Time: Jun 26 01:22:21 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)

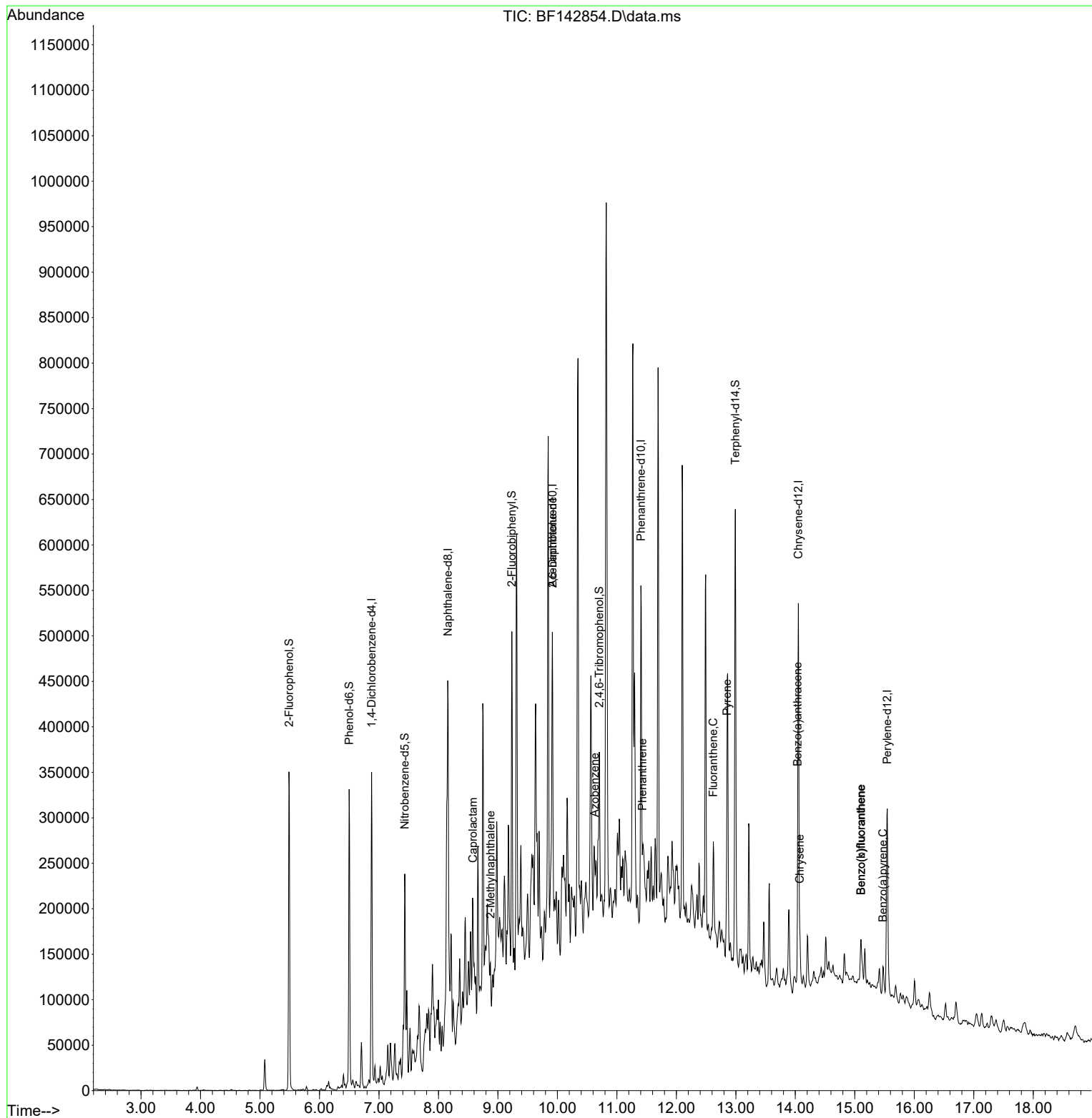
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	72866	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223812	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94113	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	181653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	188828	20.000	ng	0.00
86) Perylene-d12	15.545	264	122043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	138187	31.575	ng	0.00
7) Phenol-d6	6.498	99	148833	28.824	ng	-0.01
23) Nitrobenzene-d5	7.434	82	88169	21.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	32861	33.930	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	161656	22.565	ng	-0.01
79) Terphenyl-d14	12.992	244	230861	16.893	ng	0.00
Target Compounds					Qvalue	
35) Caprolactam	8.581	113	4904	5.882	ng	# 1
37) 2-Methylnaphthalene	8.875	142	15166	2.233	ng	98
51) 2,6-Dinitrotoluene	9.916	165	16979	12.691	ng	# 31
63) Azobenzene	10.627	77	11330	2.122	ng	# 1
71) Phenanthrene	11.427	178	22703	2.307	ng	# 94
75) Fluoranthene	12.621	202	52876	5.662	ng	99
78) Pyrene	12.851	202	57383	3.242	ng	98
81) Benzo(a)anthracene	14.039	228	29316	2.301	ng	# 90
83) Chrysene	14.074	228	30316	2.667	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	38768	5.490	ng	# 90
89) Benzo(k)fluoranthene	15.104	252	38768	5.868	ng	# 89
90) Benzo(a)pyrene	15.474	252	17322	2.539	ng	# 90

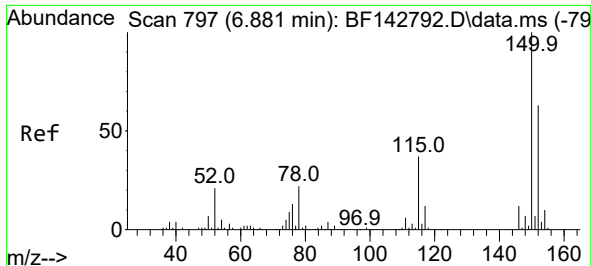
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
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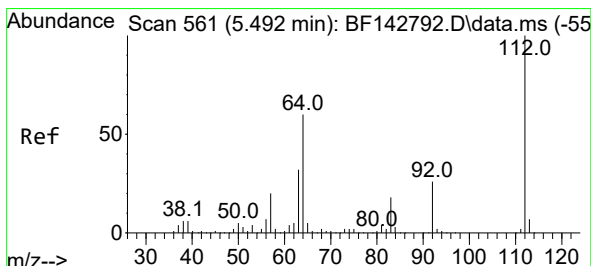
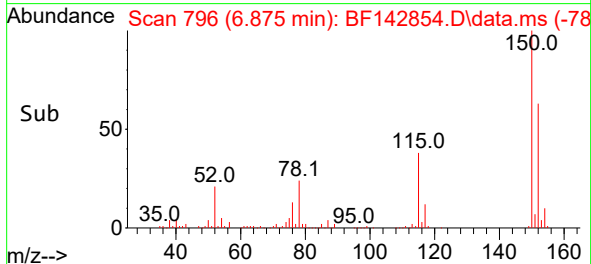
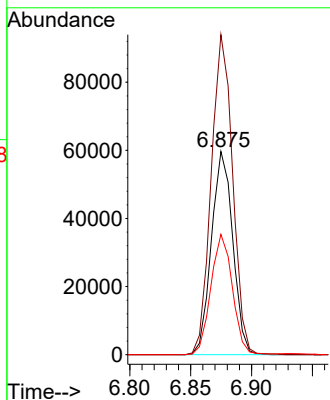
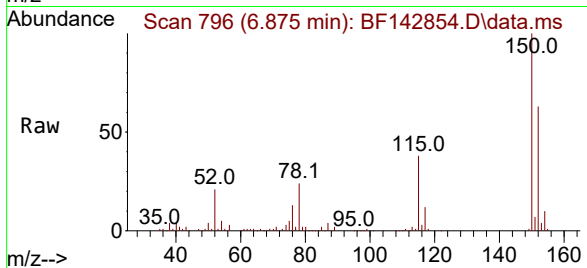




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

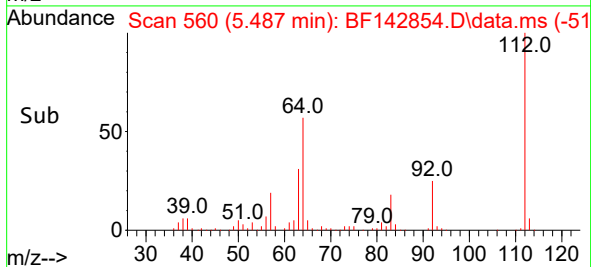
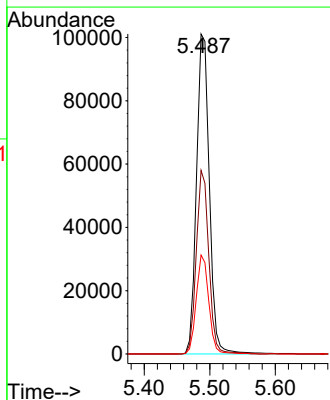
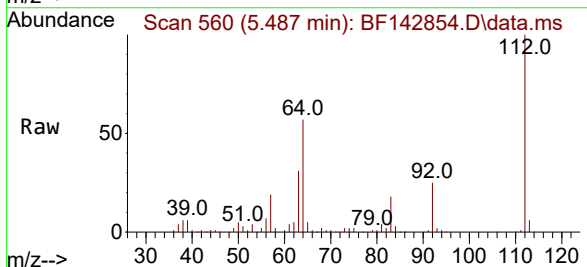
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

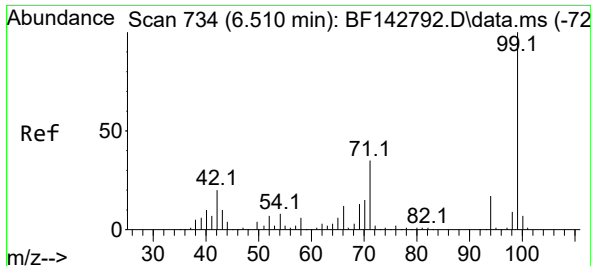
Tgt Ion:152 Resp: 72866
Ion Ratio Lower Upper
152 100
150 157.5 127.2 190.8
115 59.3 46.6 69.8



#5
2-Fluorophenol
Concen: 31.575 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion:112 Resp: 138187
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.2
63 30.9 25.7 38.5

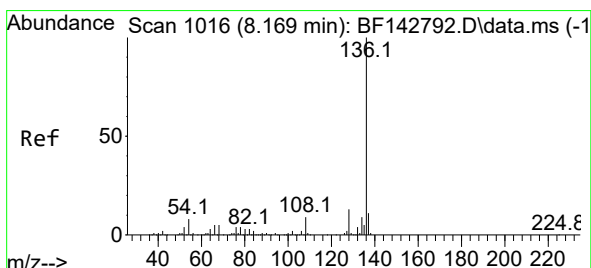
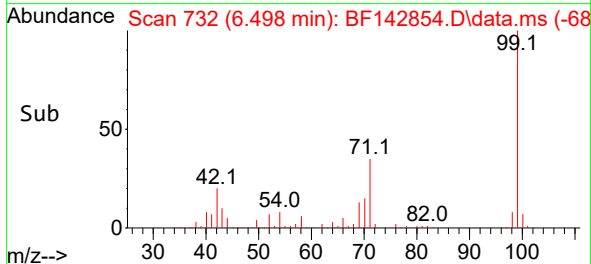
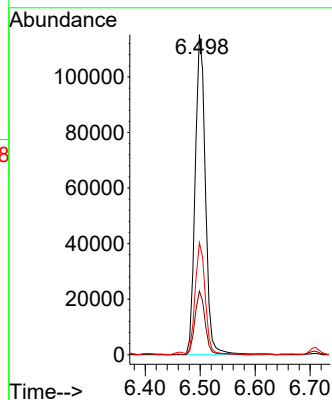
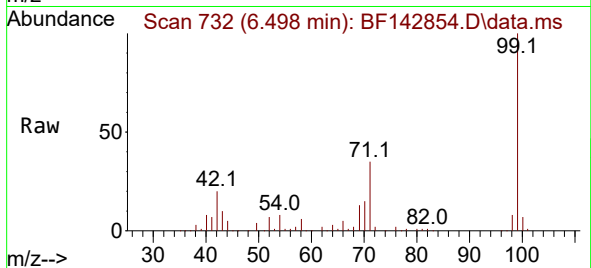




#7
Phenol-d6
Concen: 28.824 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

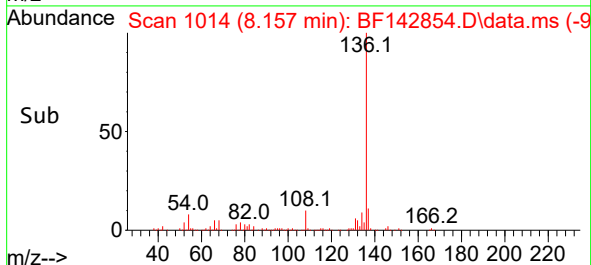
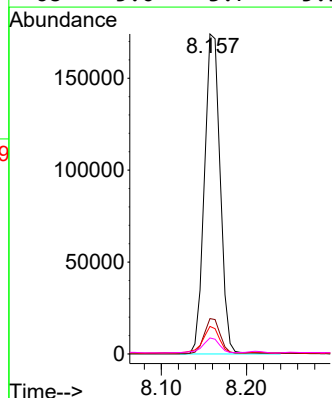
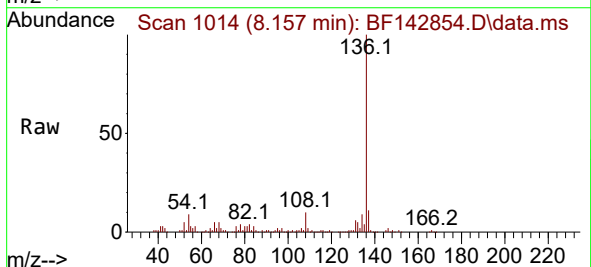
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

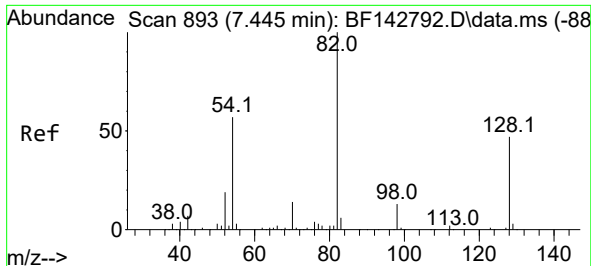
Tgt Ion: 99 Resp: 148833
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion: 136 Resp: 223812
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.6 6.3 9.5
68 5.0 3.7 5.5

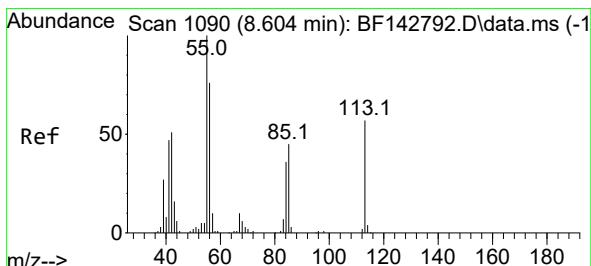
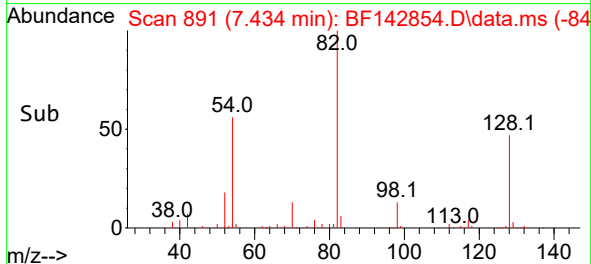
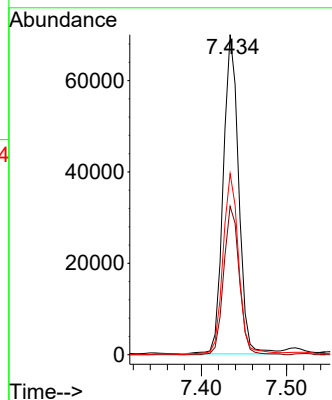
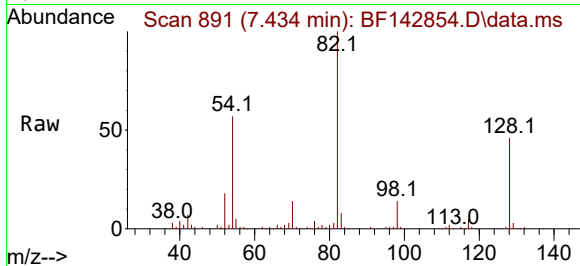




#23
Nitrobenzene-d5
Concen: 21.608 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

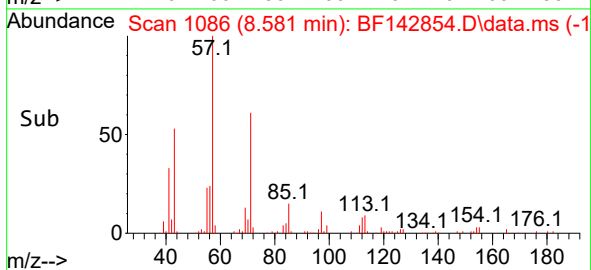
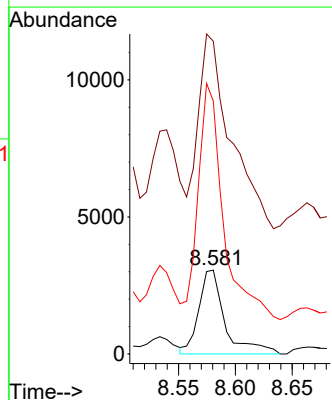
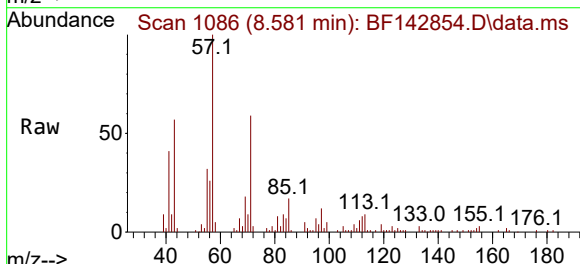
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

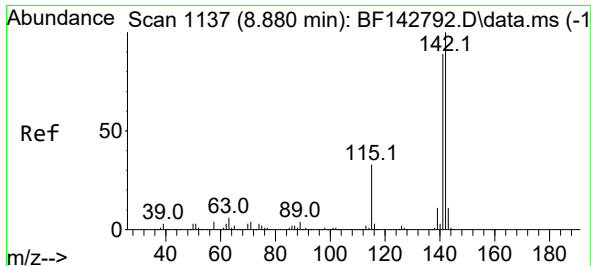
Tgt Ion: 82 Resp: 88169
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 56.6 45.7 68.5



#35
Caprolactam
Concen: 5.882 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.023 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion: 113 Resp: 4904
Ion Ratio Lower Upper
113 100
55 372.7 154.4 194.4#
56 301.4 112.1 152.1#

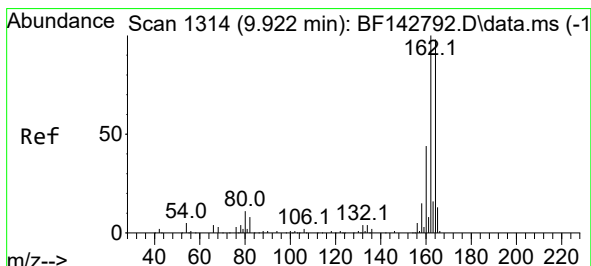
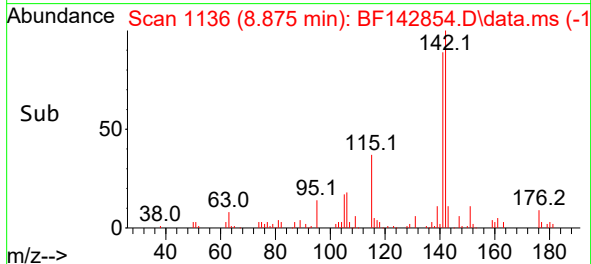
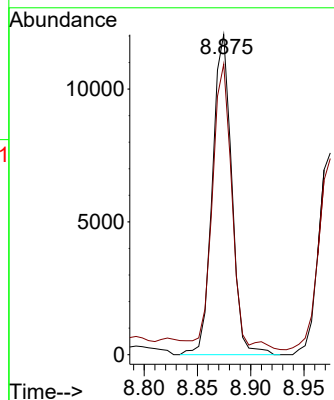
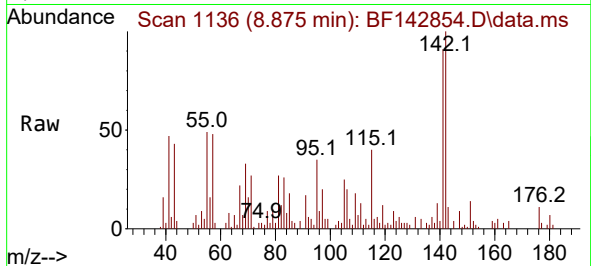




#37
2-Methylnaphthalene
Concen: 2.233 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

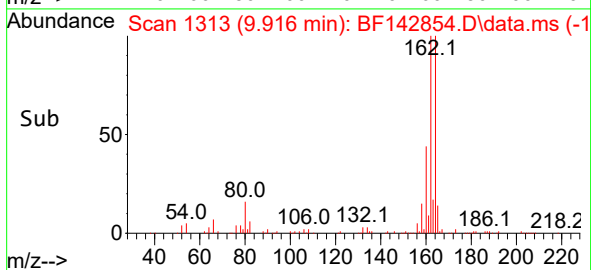
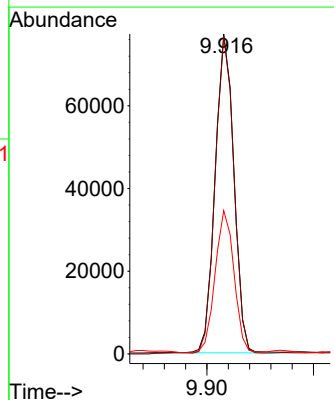
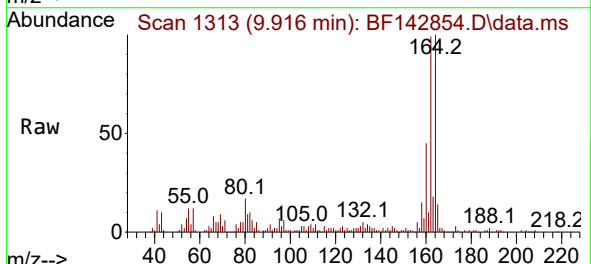
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

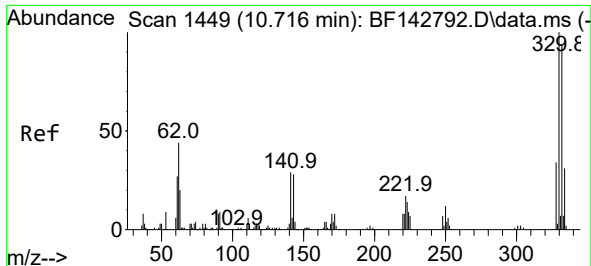
Tgt Ion:142 Resp: 15166
Ion Ratio Lower Upper
142 100
141 90.8 70.9 106.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion:164 Resp: 94113
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.8
160 44.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 33.930 ng

RT: 10.704 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

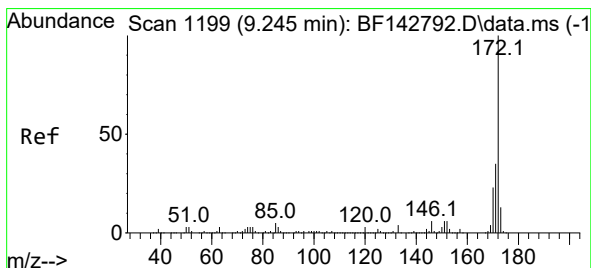
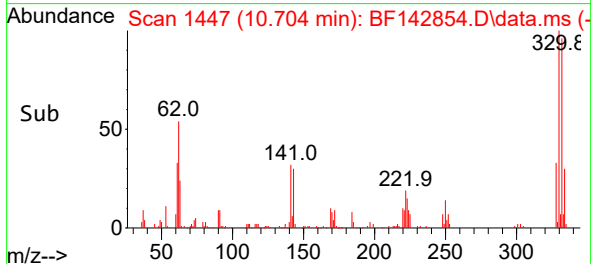
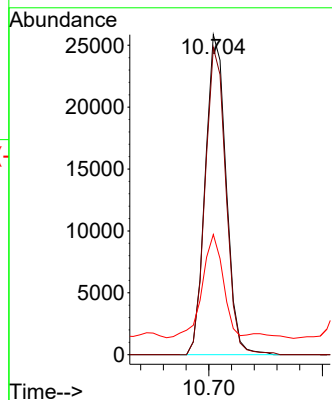
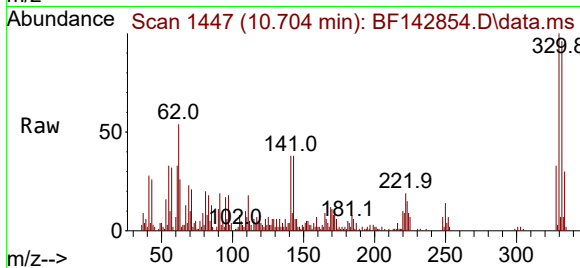
Tgt Ion:330 Resp: 32861

Ion Ratio Lower Upper

330 100

332 95.7 75.0 112.6

141 32.5 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 22.565 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

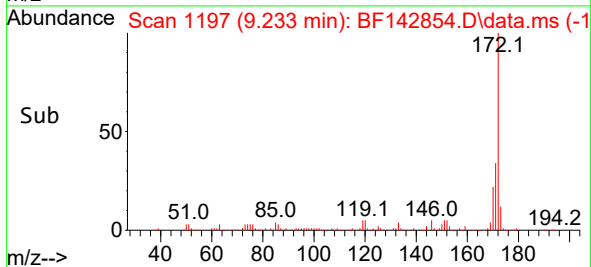
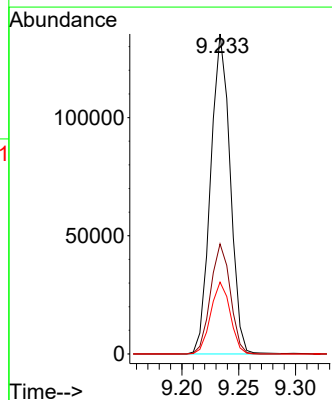
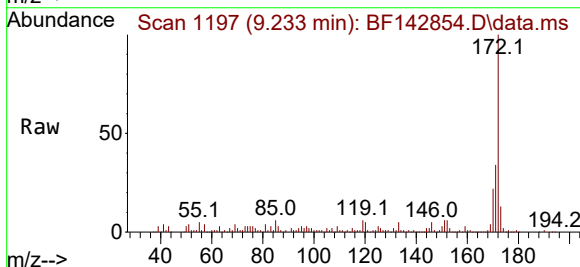
Tgt Ion:172 Resp: 161656

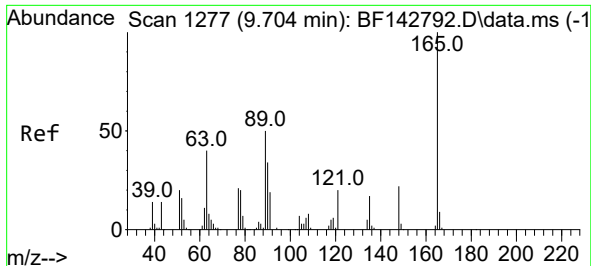
Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 22.5 18.5 27.7

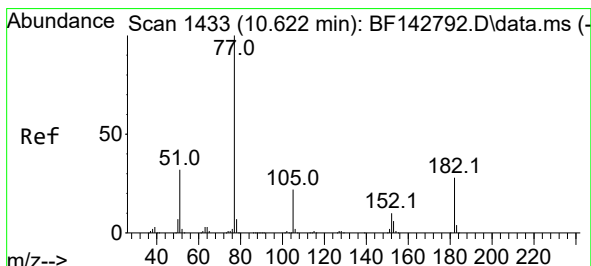
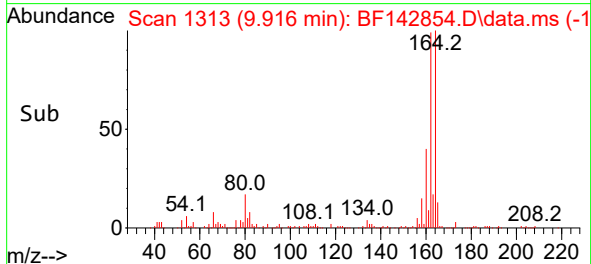
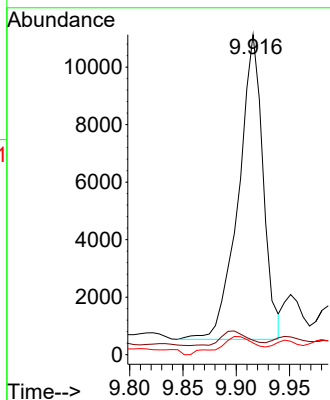
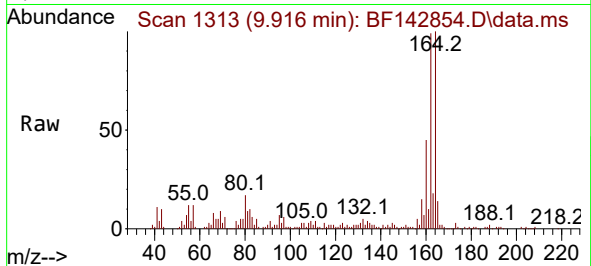




#51
2,6-Dinitrotoluene
Concen: 12.691 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

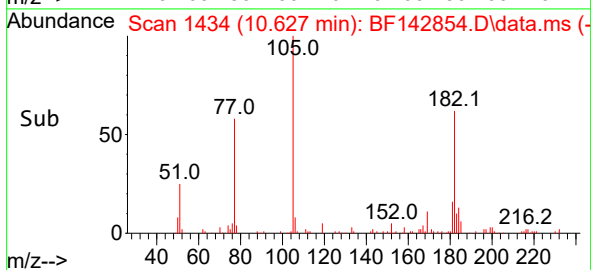
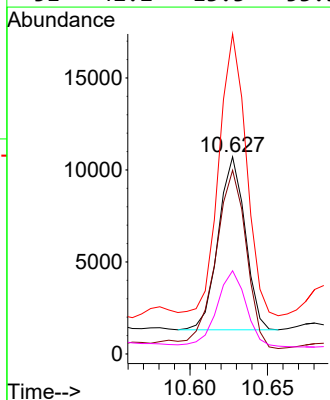
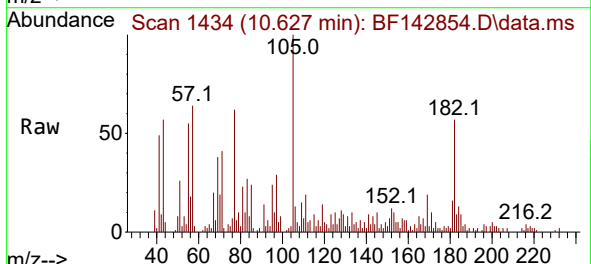
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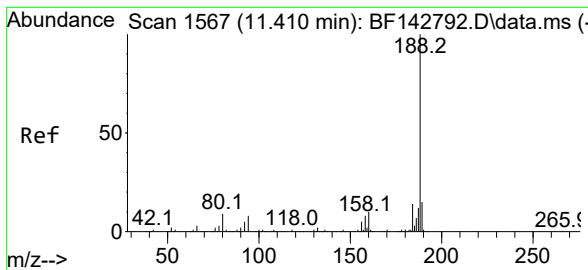
Tgt Ion:165 Resp: 16979
Ion Ratio Lower Upper
165 100
63 4.5 44.2 66.4#
89 3.7 39.8 59.8#



#63
Azobenzene
Concen: 2.122 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion: 77 Resp: 11330
Ion Ratio Lower Upper
77 100
182 93.2 7.7 47.7#
105 162.3 1.9 41.9#
51 42.2 13.3 53.3

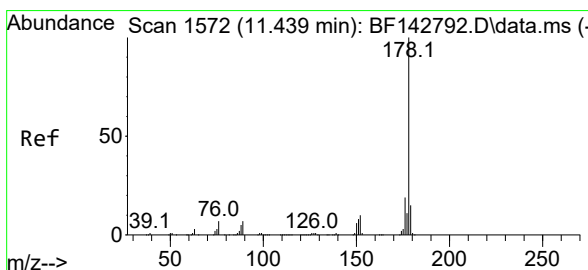
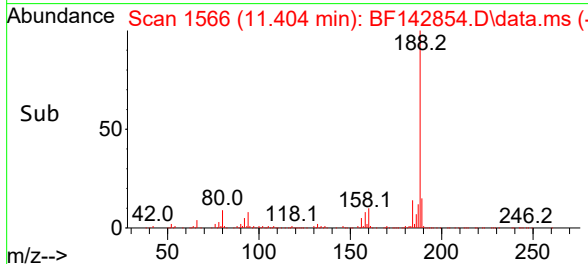
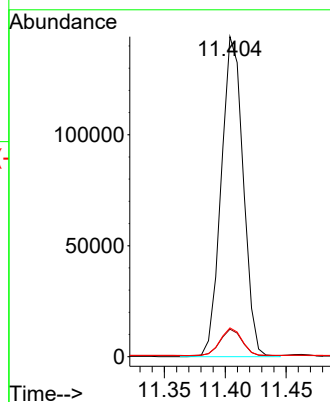
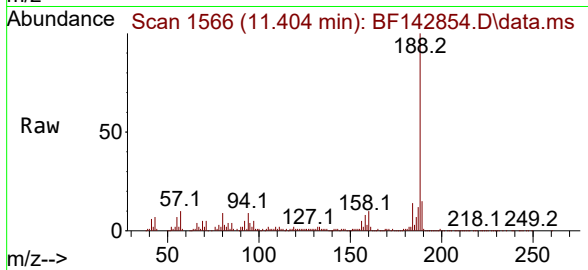




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

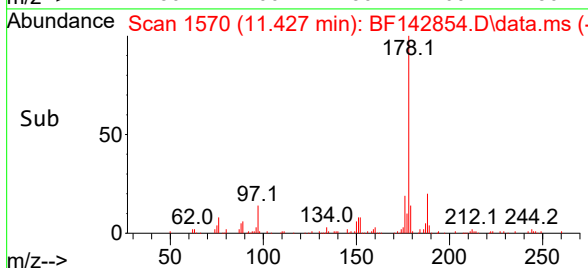
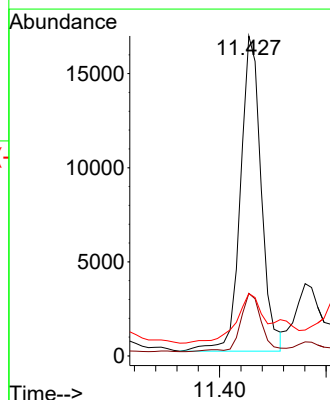
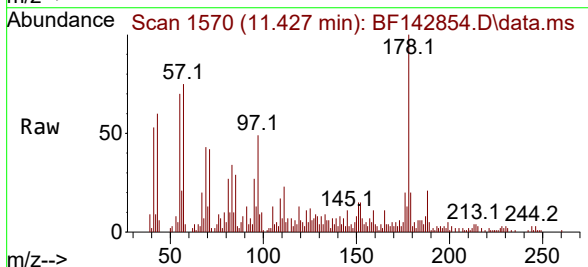
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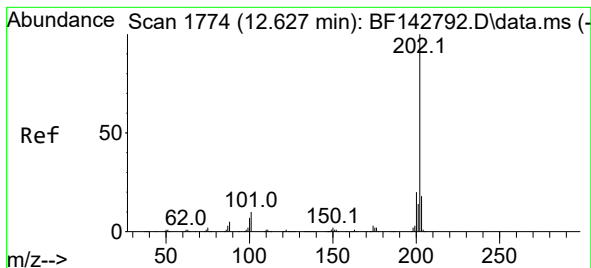
Tgt Ion:188 Resp: 181653
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.0 6.9 10.3



#71
Phenanthrene
Concen: 2.307 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion:178 Resp: 22703
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 19.5 12.0 18.0#





#75

Fluoranthene

Concen: 5.662 ng

RT: 12.621 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

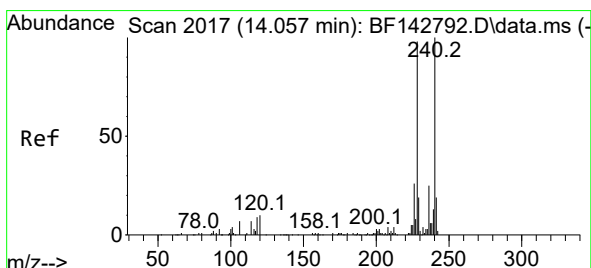
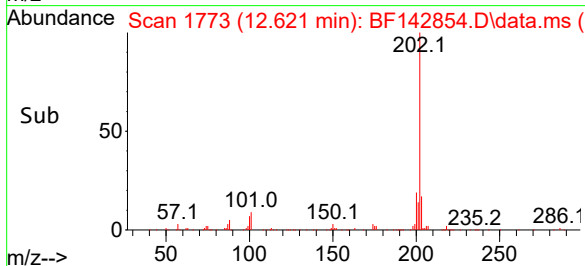
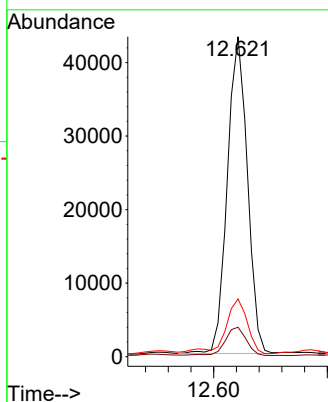
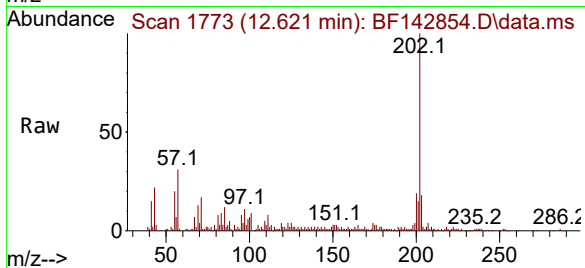
Tgt Ion:202 Resp: 52876

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.7

203 18.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

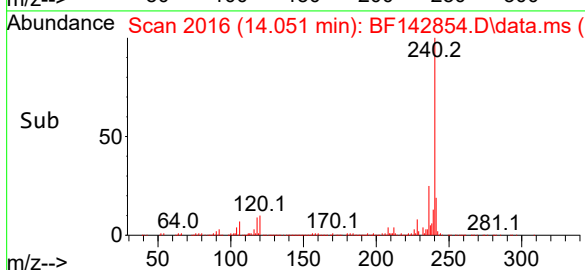
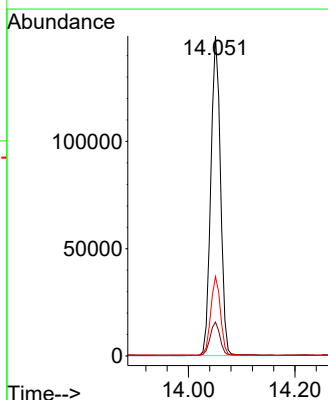
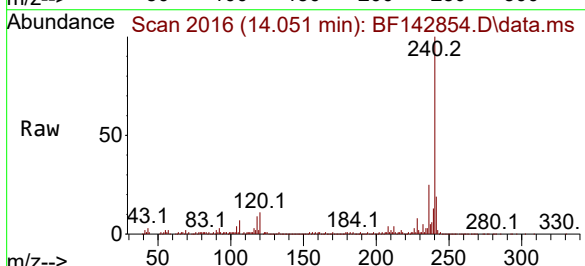
Tgt Ion:240 Resp: 188828

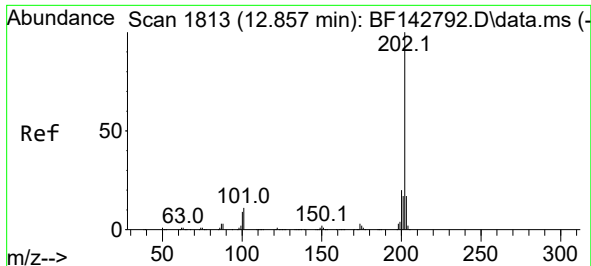
Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 24.8 19.8 29.8

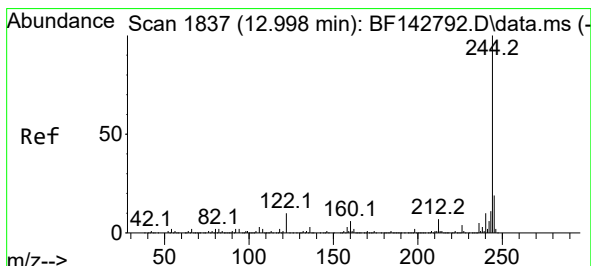
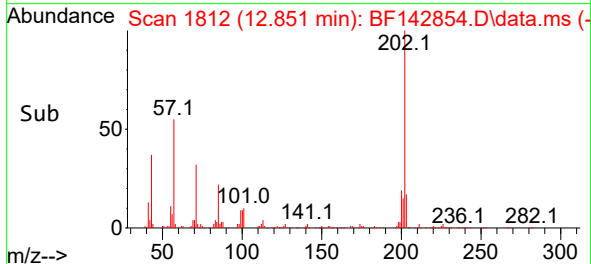
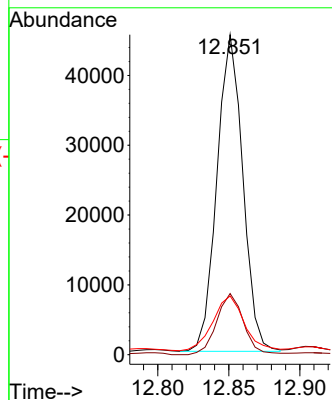
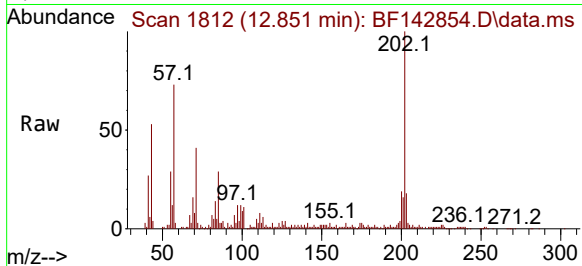




#78
Pyrene
Concen: 3.242 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

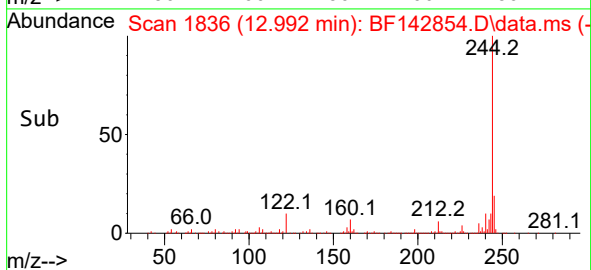
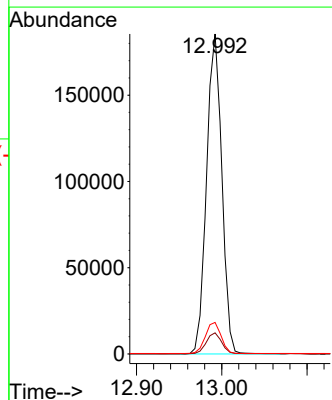
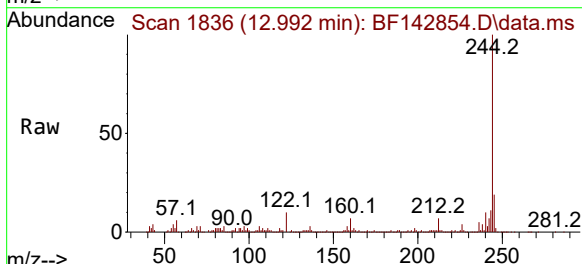
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

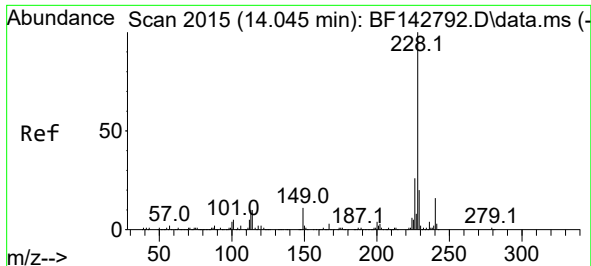
Tgt Ion:202 Resp: 57383
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 18.4 13.8 20.6



#79
Terphenyl-d14
Concen: 16.893 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion:244 Resp: 230861
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.8 8.2 12.2

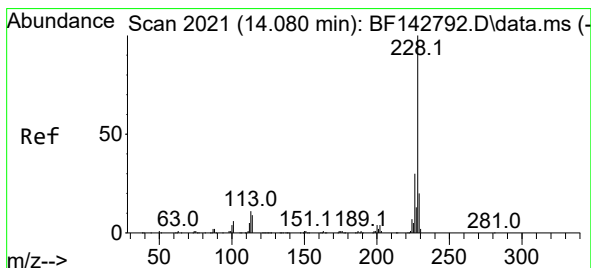
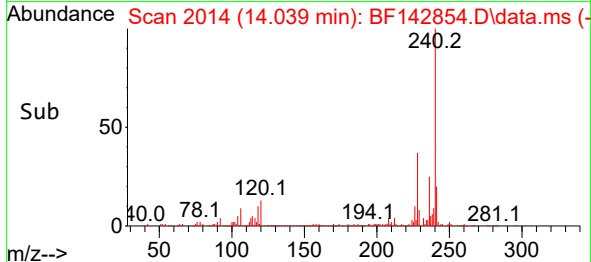
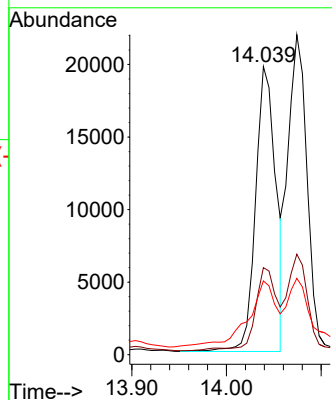
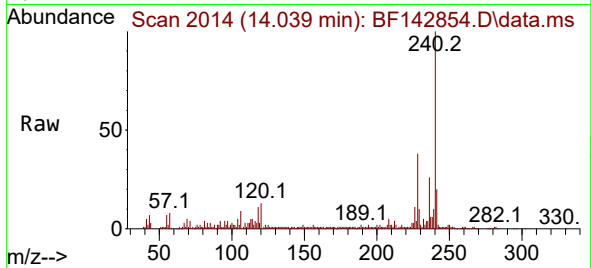




#81
Benzo(a)anthracene
Concen: 2.301 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

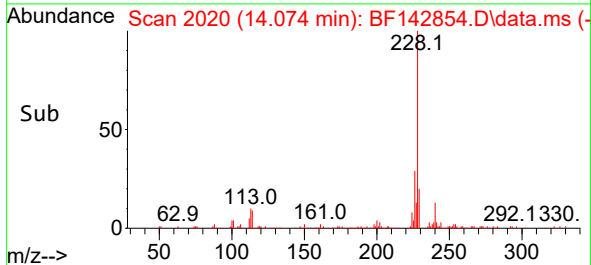
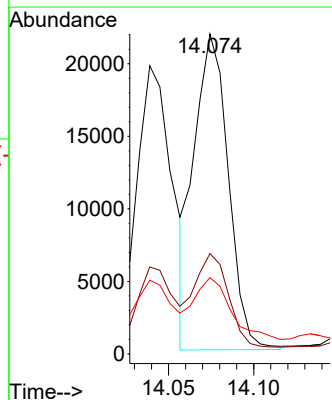
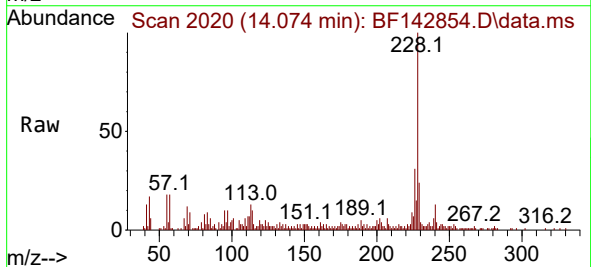
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

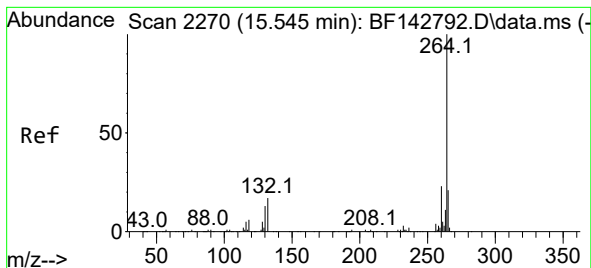
Tgt Ion:228 Resp: 29316
Ion Ratio Lower Upper
228 100
226 30.2 21.2 31.8
229 25.6 15.6 23.4#



#83
Chrysene
Concen: 2.667 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

Tgt Ion:228 Resp: 30316
Ion Ratio Lower Upper
228 100
226 31.4 23.7 35.5
229 23.9 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

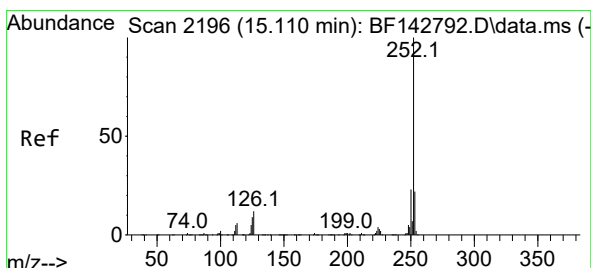
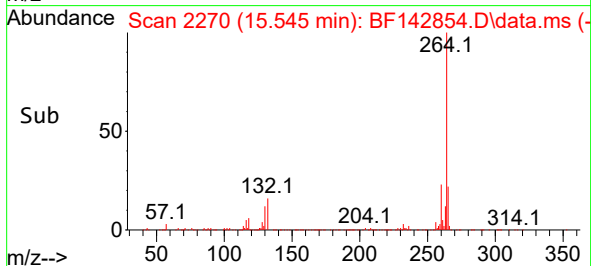
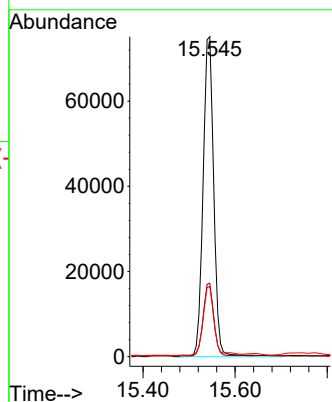
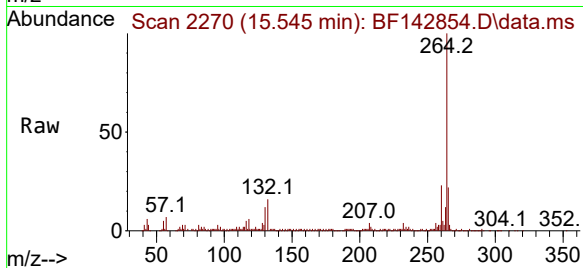
Tgt Ion:264 Resp: 122043

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.9 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.490 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

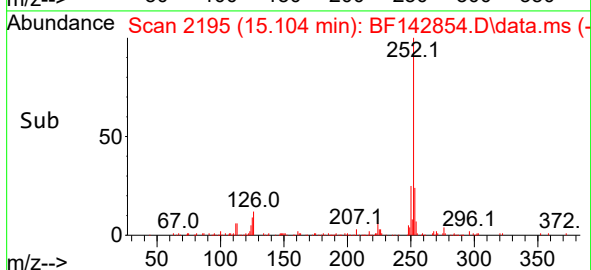
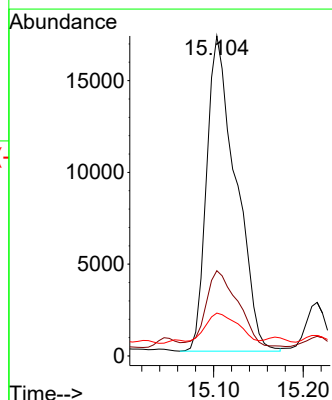
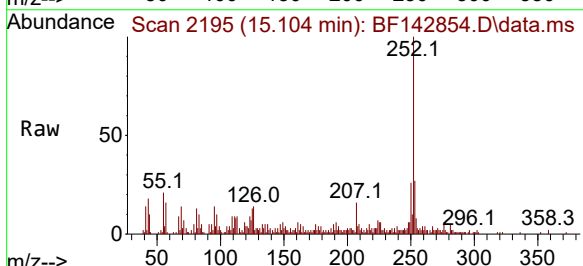
Tgt Ion:252 Resp: 38768

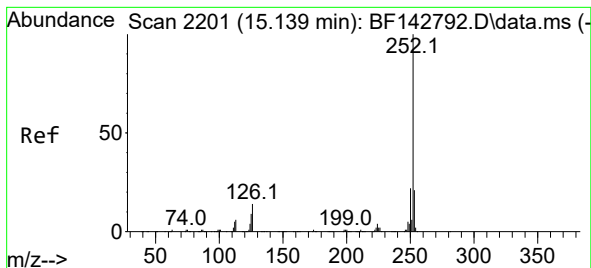
Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

125 13.4 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 5.868 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

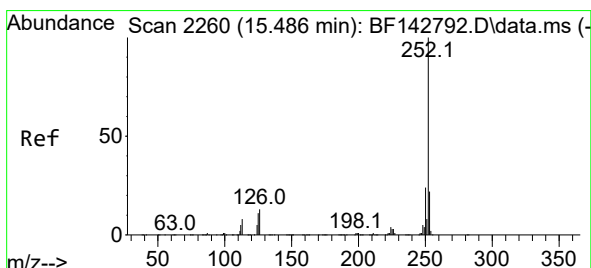
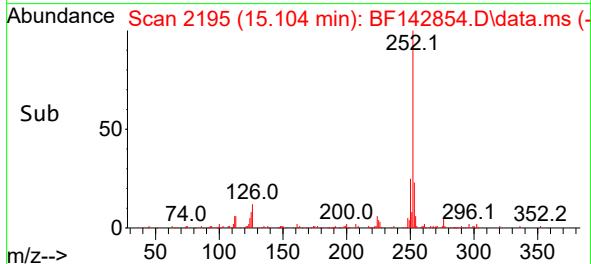
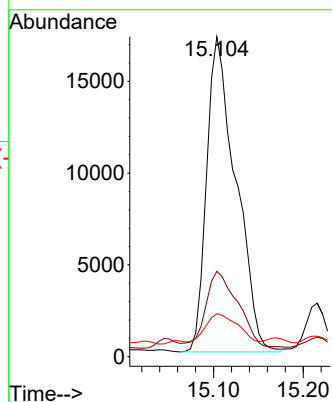
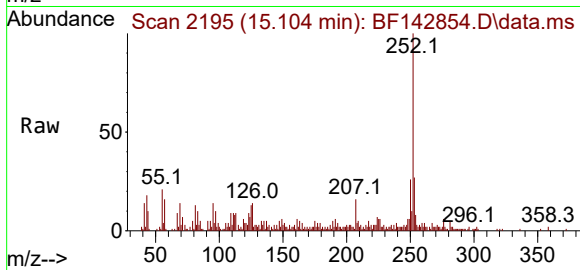
Tgt Ion:252 Resp: 38768

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

125 13.4 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.539 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Tgt Ion:252 Resp: 17322

Ion Ratio Lower Upper

252 100

253 26.0 17.5 26.3

125 15.7 8.6 12.8#

