

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)

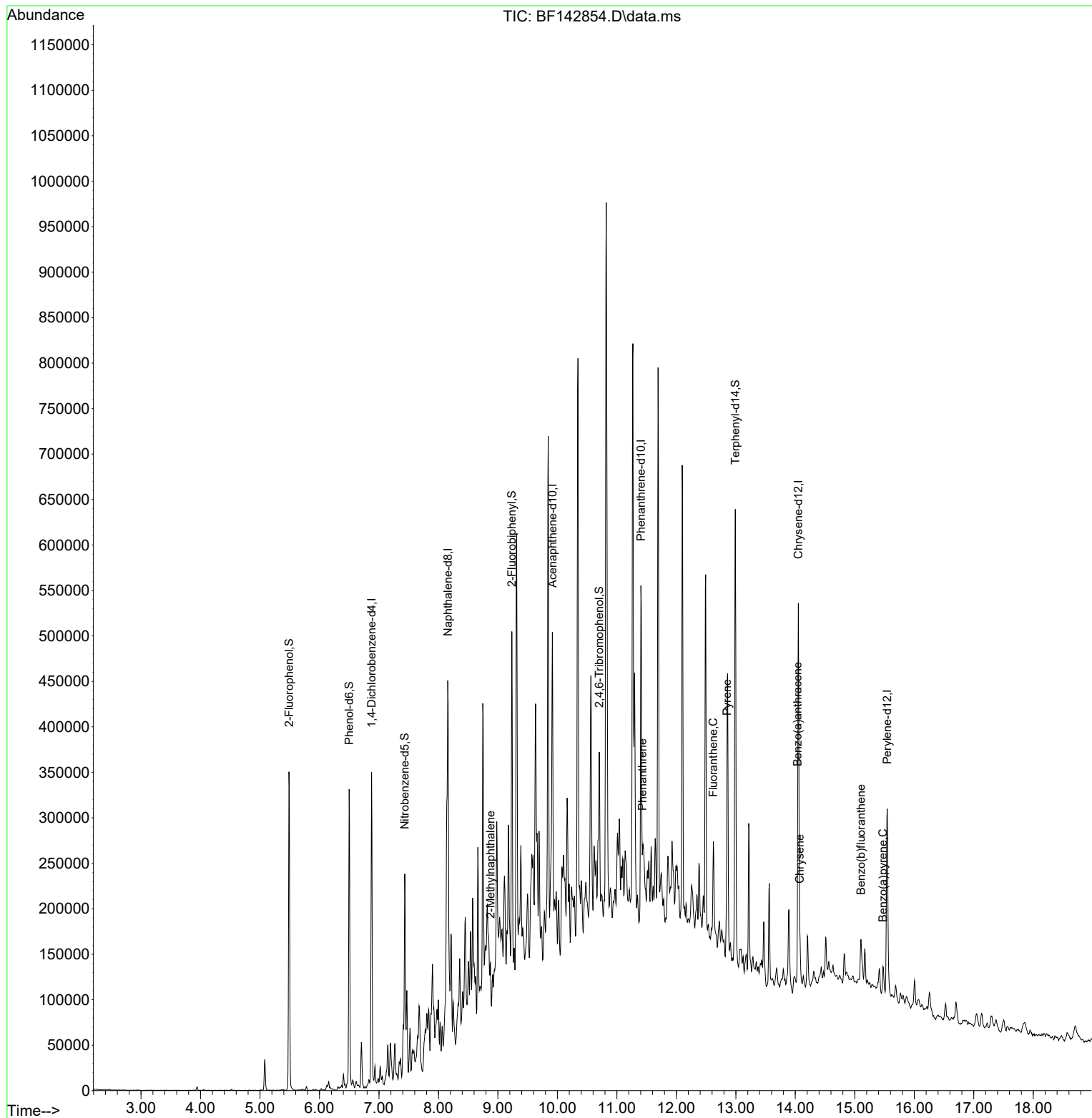
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	72866	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223812	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94113	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	181653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	188828	20.000	ng	0.00
86) Perylene-d12	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
37) 2-Methylnaphthalene	8.875	142	15166	2.233	ng	98
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	26388m	3.737	ng	
90) Benzo(a)pyrene	15.474	252	17322	2.539	ng	# 90

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

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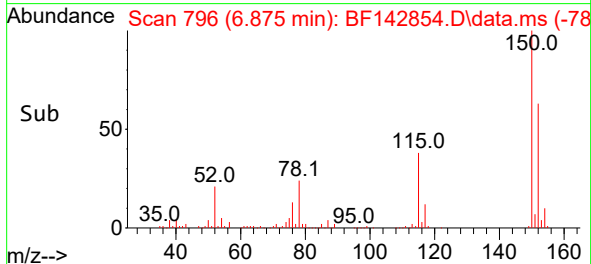
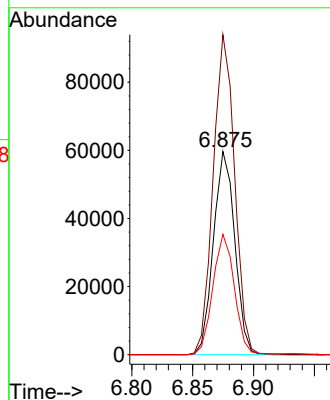
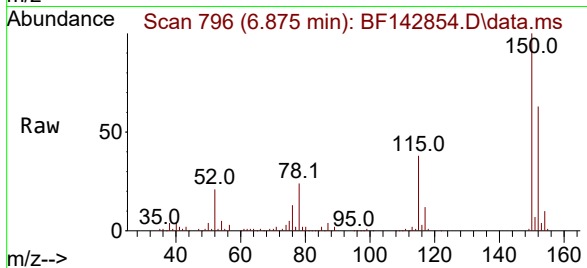




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

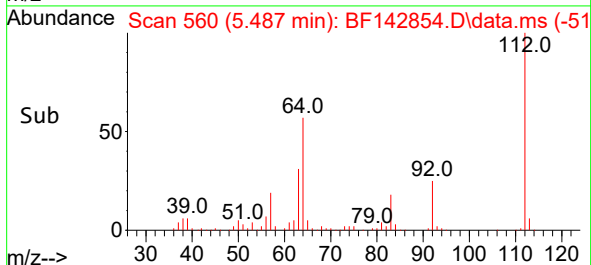
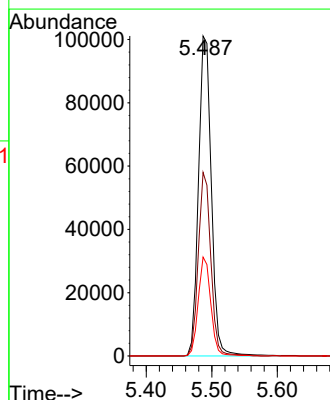
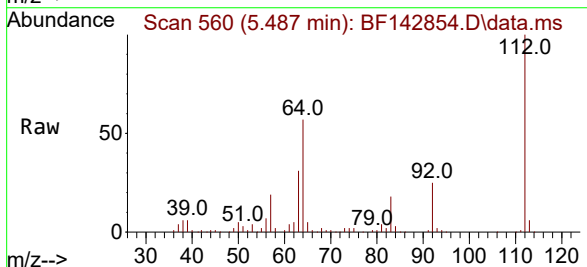
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

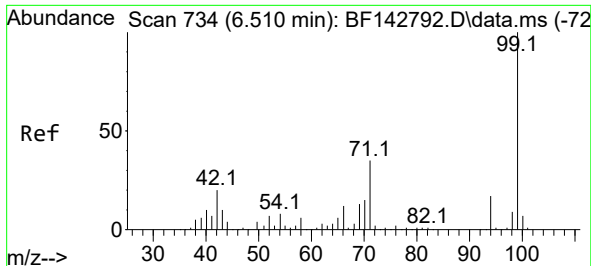
Tgt Ion:152 Resp: 72866
Ion Ratio Lower Upper
152 100
150 157.5 127.2 190.8
115 59.3 46.6 69.8



#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

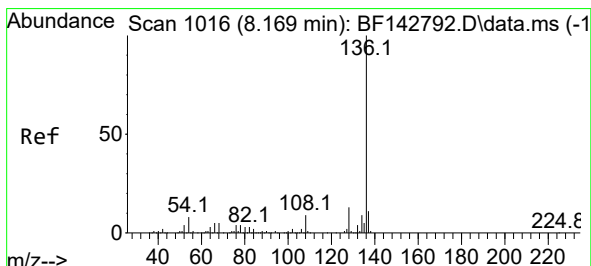
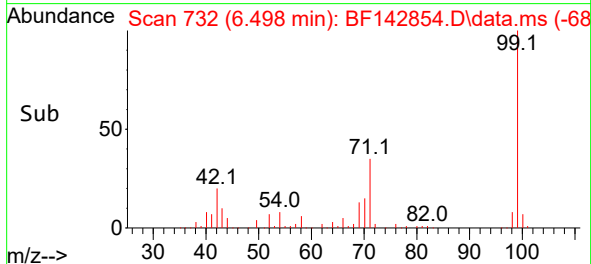
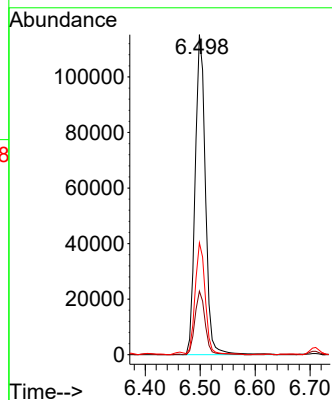
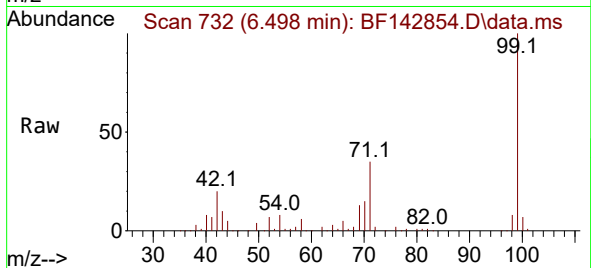




#7
Phenol-d6
Concen: 28.824 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

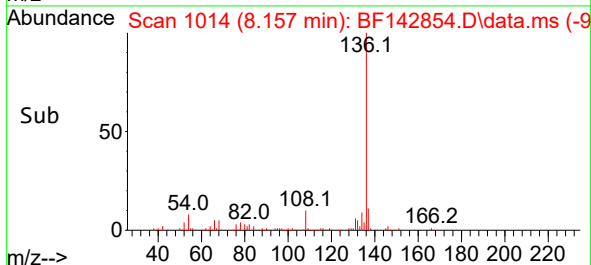
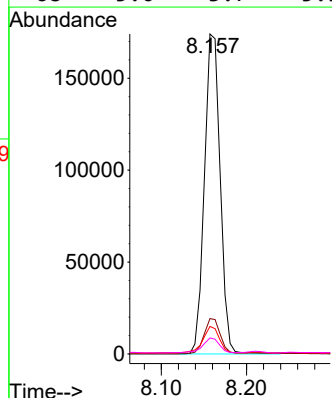
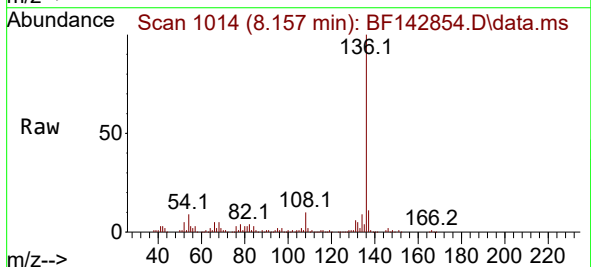
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

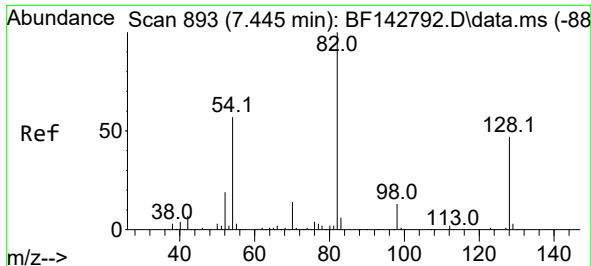
Tgt Ion: 99 Resp: 148833
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 34.9 27.8 41.8



#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

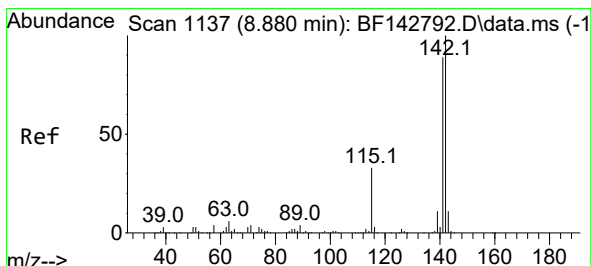
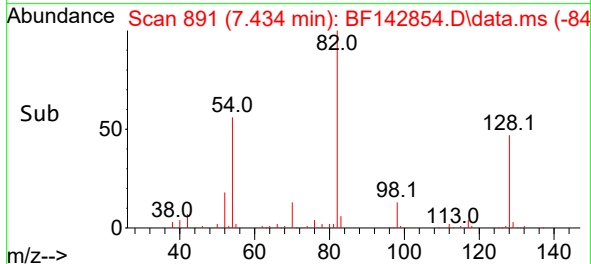
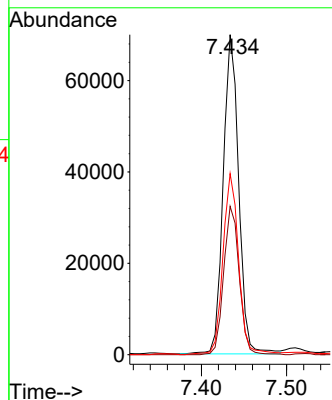
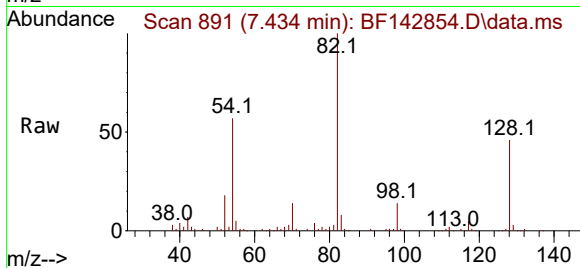
Tgt Ion: 82 Resp: 88169

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

54 56.6 45.7 68.5



#37

2-Methylnaphthalene

Concen: 2.233 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142854.D

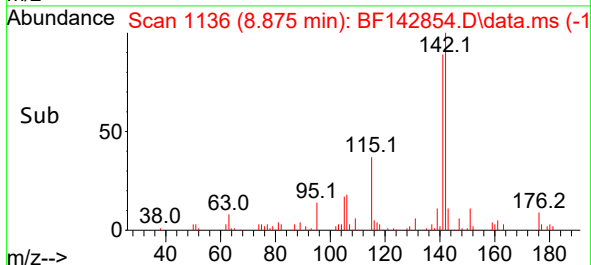
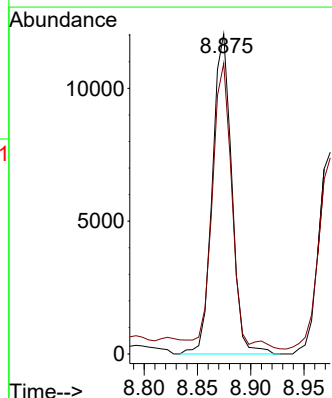
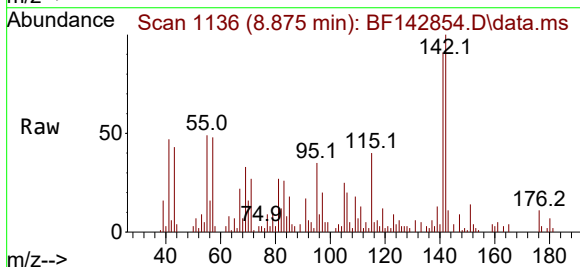
Acq: 25 Jun 2025 23:41

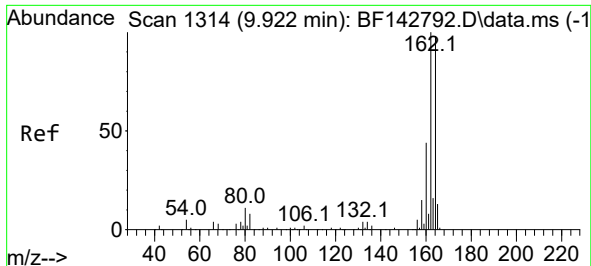
Tgt Ion:142 Resp: 15166

Ion Ratio Lower Upper

142 100

141 90.8 70.9 106.3

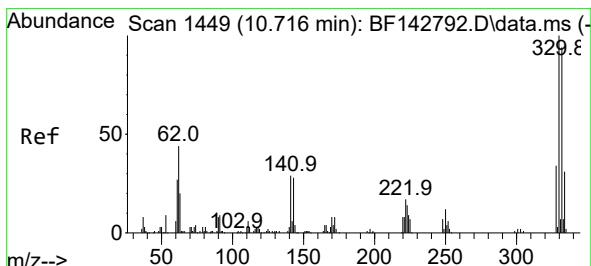
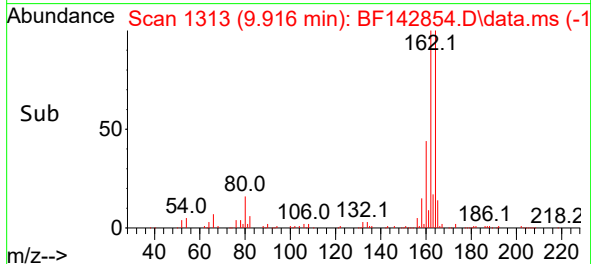
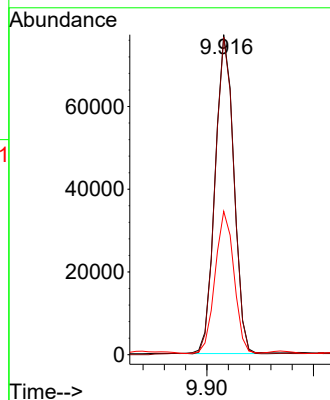
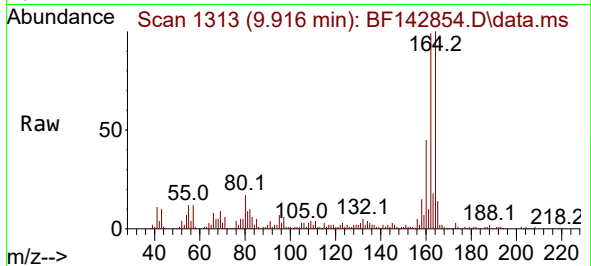




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

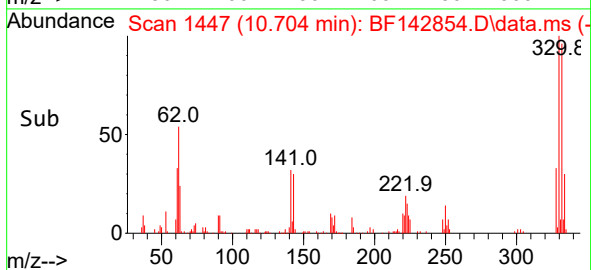
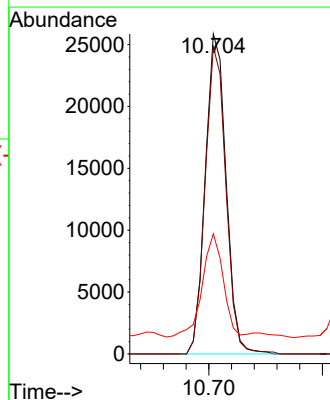
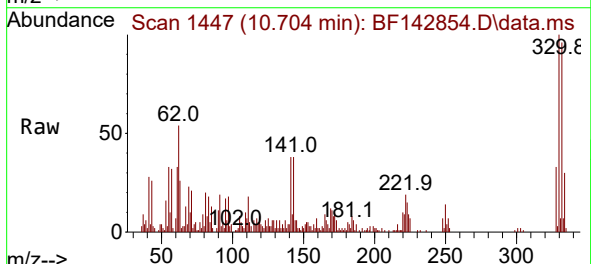
Instrument :
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TR-05-062425

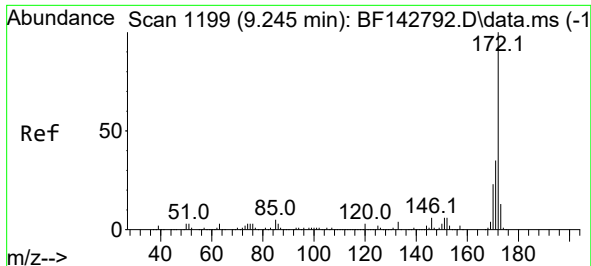
Tgt Ion:164 Resp: 94113
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.8
160 44.8 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 33.930 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

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

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

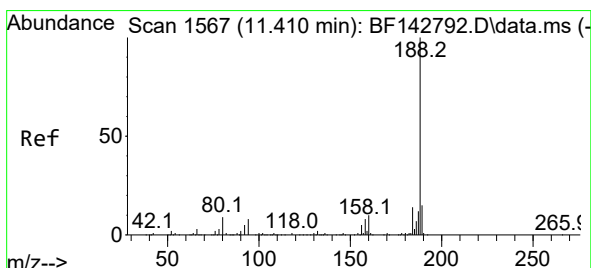
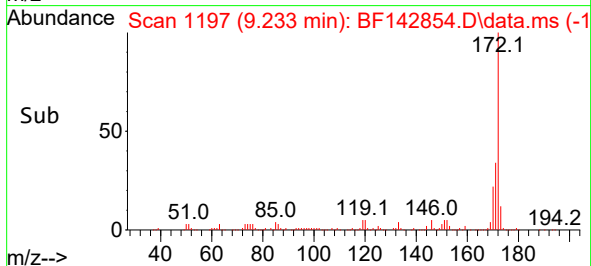
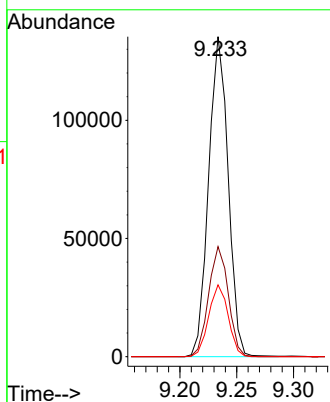
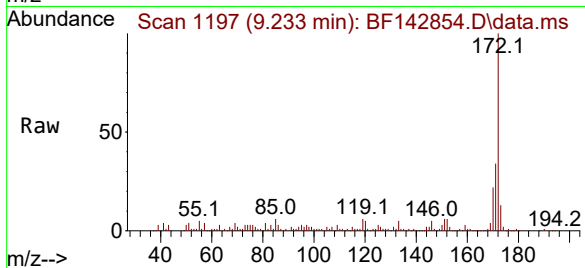
Tgt Ion:172 Resp: 161656

Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 22.5 18.5 27.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

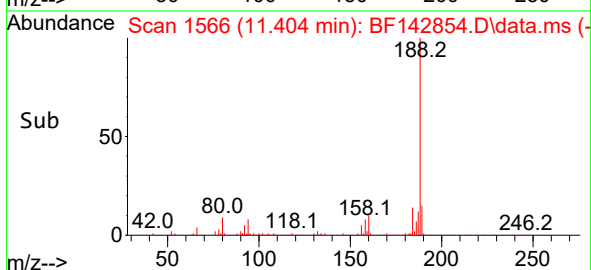
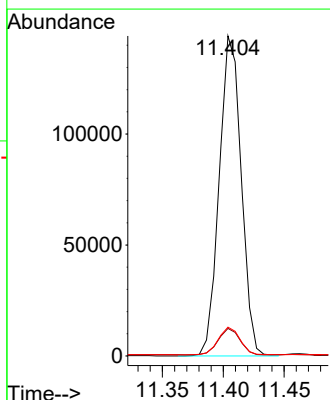
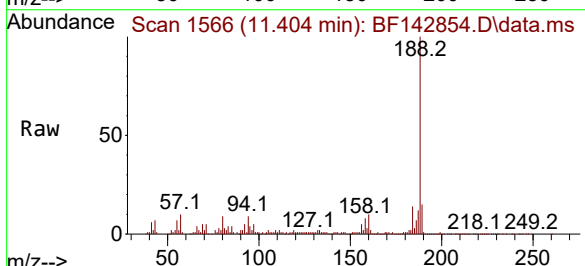
Tgt Ion:188 Resp: 181653

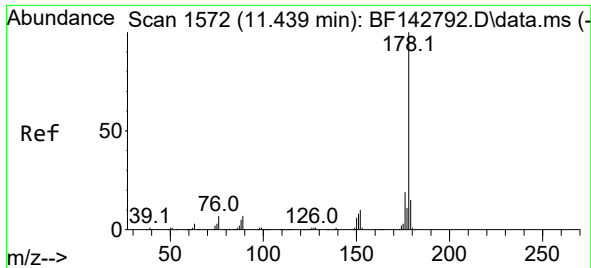
Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.0 6.9 10.3

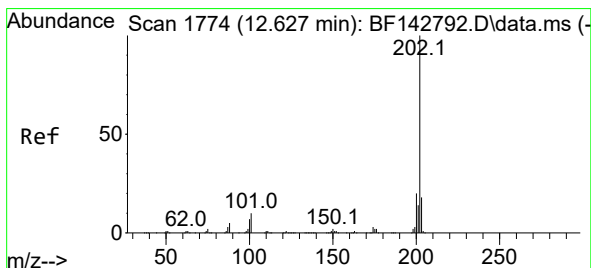
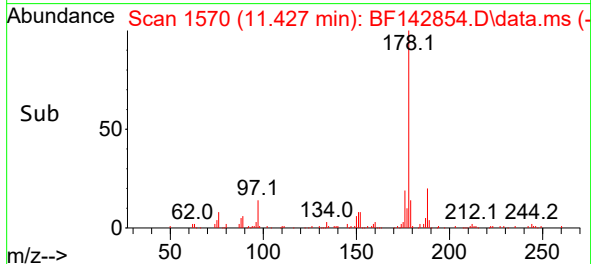
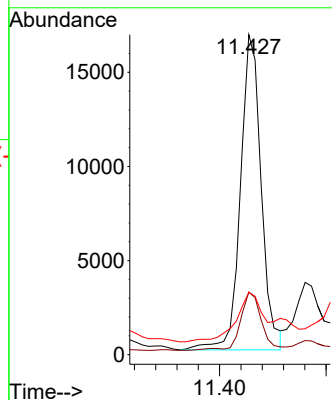
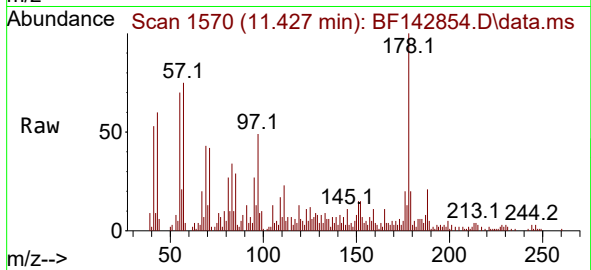




#71
Phenanthrene
Concen: 2.307 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

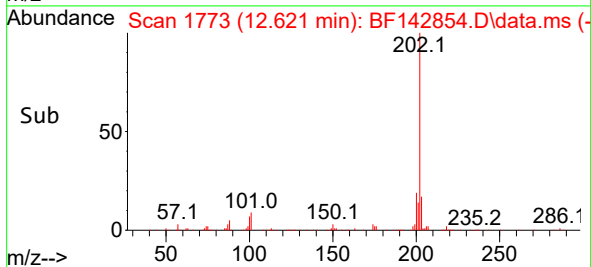
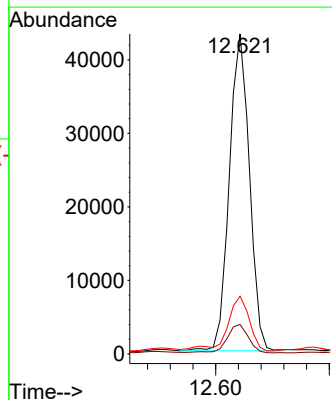
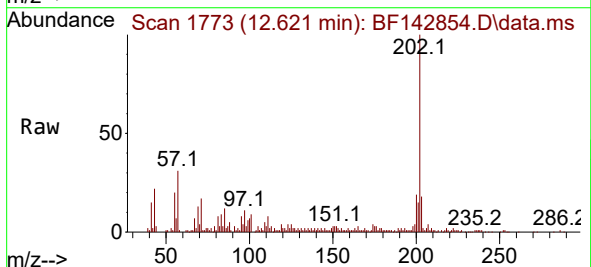
Instrument :
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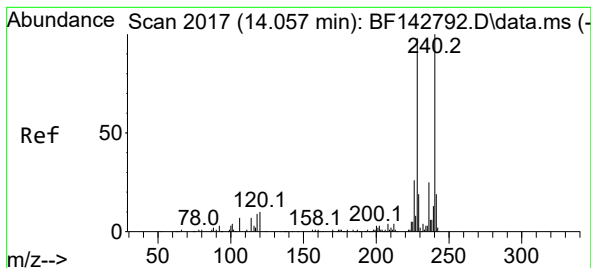
Tgt Ion:178 Resp: 22703
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 19.5 12.0 18.0#



#75
Fluoranthene
Concen: 5.662 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

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# 20

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

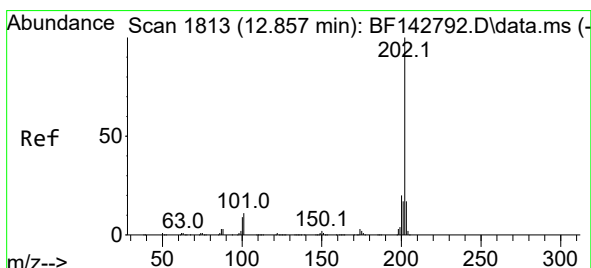
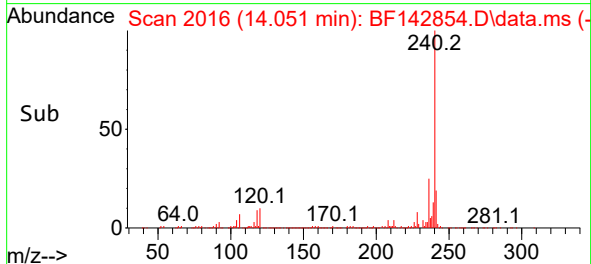
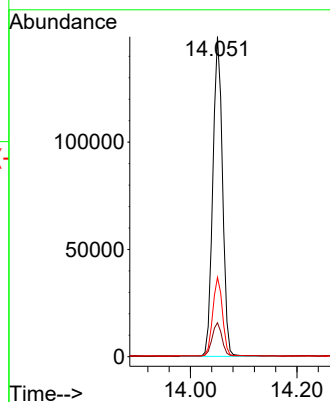
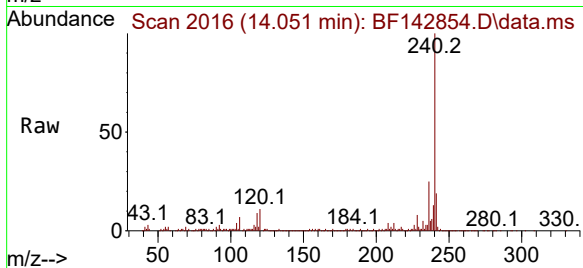
Tgt Ion:240 Resp: 188828

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

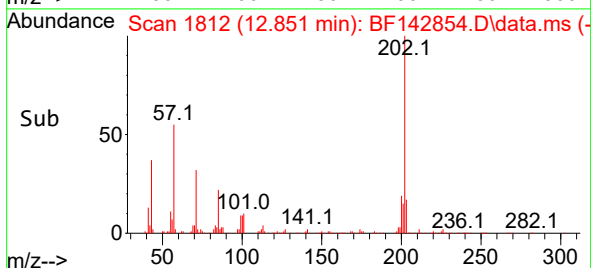
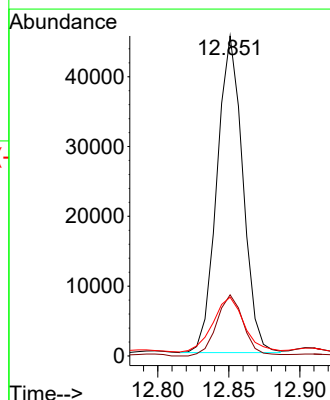
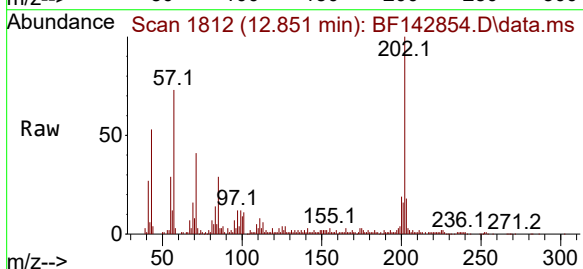
Tgt Ion:202 Resp: 57383

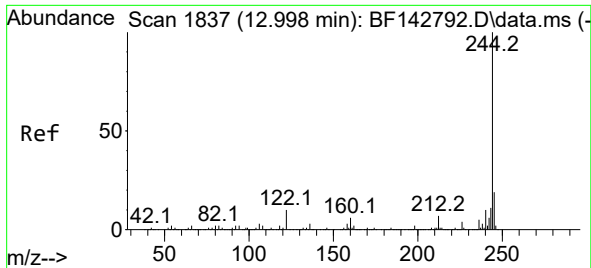
Ion Ratio Lower Upper

202 100

200 19.1 15.7 23.5

203 18.4 13.8 20.6

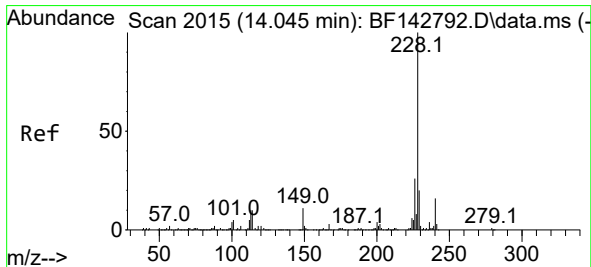
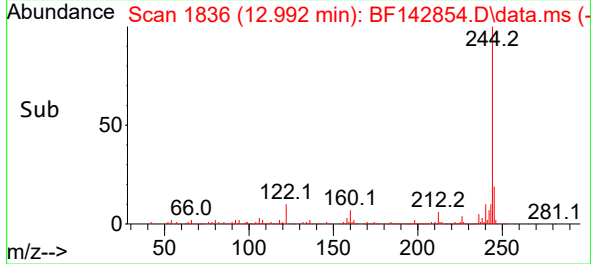
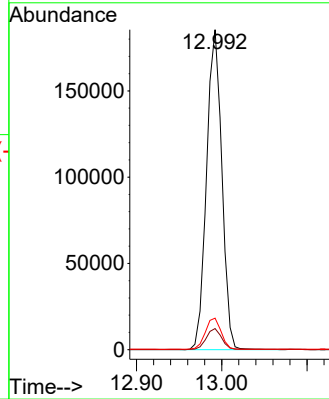
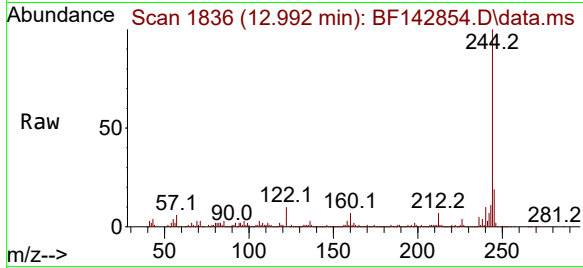




#79
 Terphenyl-d14
 Concen: 16.893 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142854.D
 Acq: 25 Jun 2025 23:41

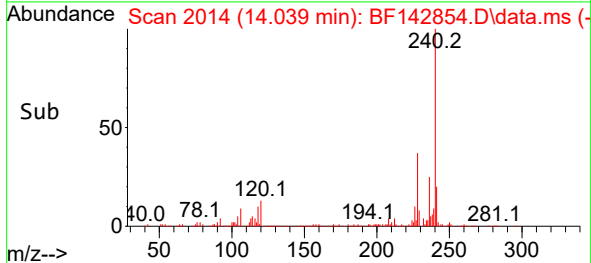
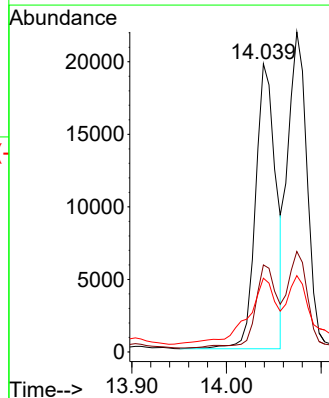
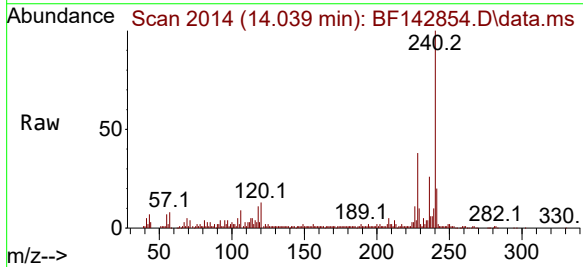
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-062425

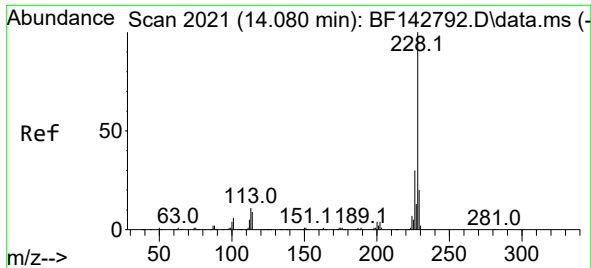
Tgt Ion:244 Resp: 230861
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.301 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142854.D
 Acq: 25 Jun 2025 23:41

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#

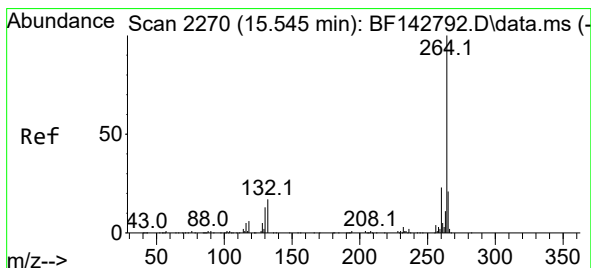
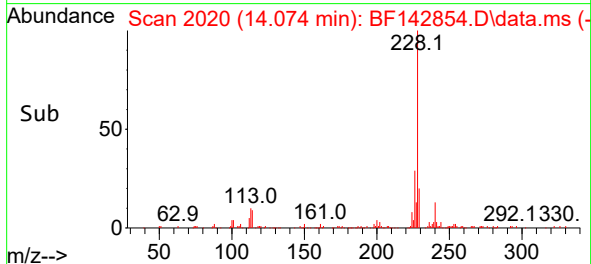
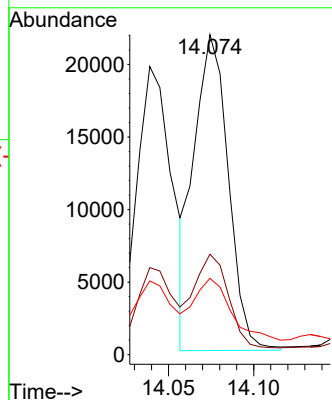
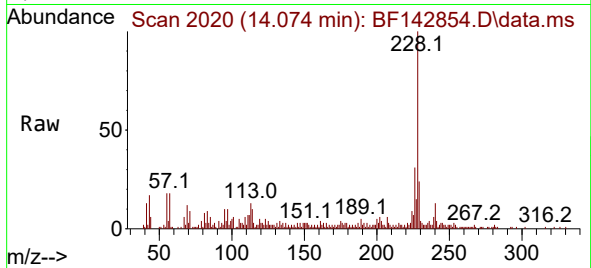




#83
Chrysene
Concen: 2.667 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

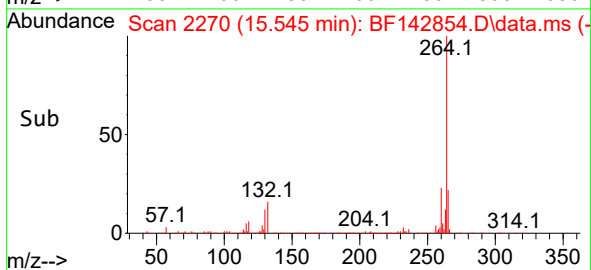
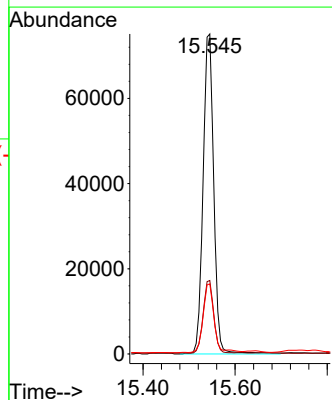
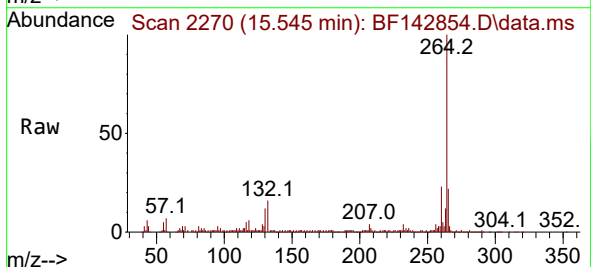
Instrument :
BNA_F
ClientSampleId :
TR-05-062425

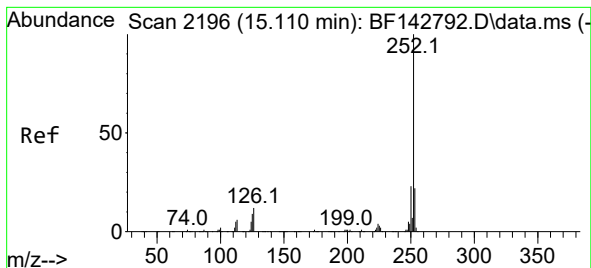
Tgt Ion:228 Resp: 30316
Ion Ratio Lower Upper
228 100
226 31.4 23.7 35.5
229 23.9 15.7 23.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142854.D
Acq: 25 Jun 2025 23:41

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: 3.737 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142854.D

Acq: 25 Jun 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-05-062425

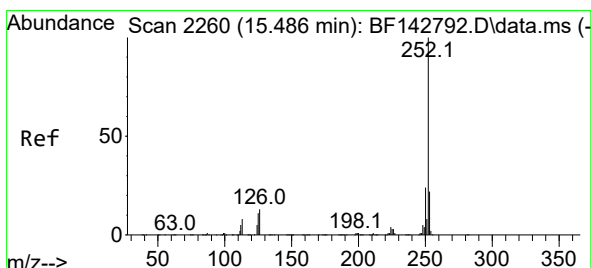
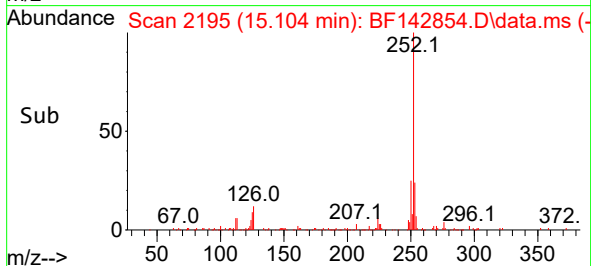
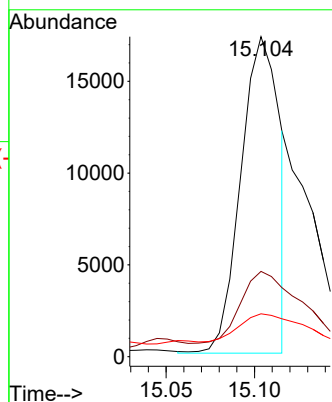
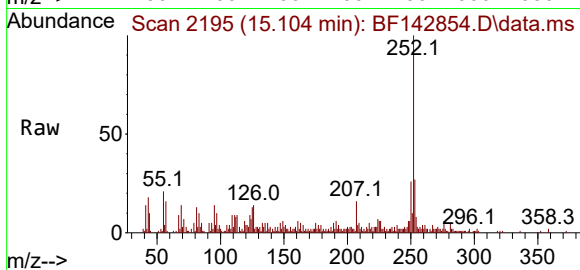
Tgt Ion:252 Resp: 26388

Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

125 13.4 7.4 11.0#



#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#

