

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142956.D
 Acq On : 01 Jul 2025 18:31
 Operator : RC/JU
 Sample : Q2457-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-062725

Quant Time: Jul 02 01:03:05 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)

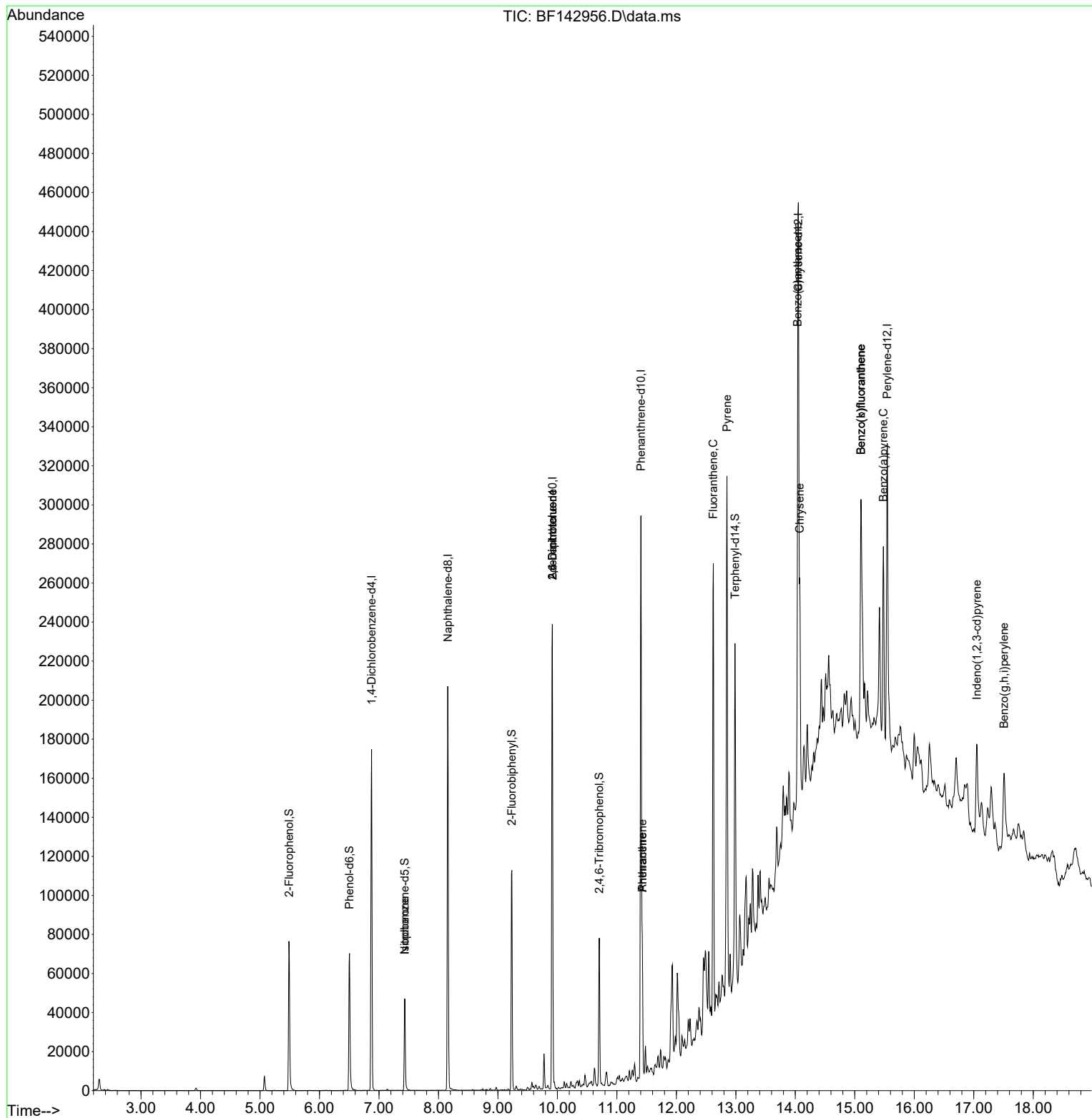
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	39108	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	133061	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	72460	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	145430	20.000	ng	0.00
76) Chrysene-d12	14.051	240	116724	20.000	ng	0.00
86) Perylene-d12	15.545	264	86219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	32505	13.838	ng	0.00
7) Phenol-d6	6.504	99	36834	13.291	ng	0.00
23) Nitrobenzene-d5	7.433	82	20623	8.501	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	12392	16.619	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	54256	9.836	ng	-0.01
79) Terphenyl-d14	12.986	244	79764	9.442	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.433	82	20626	5.300	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	9424	9.149	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	9424	6.888	ng	# 26
71) Phenanthrene	11.427	178	37220	4.725	ng	99
72) Anthracene	11.427	178	37220	4.607	ng	99
75) Fluoranthene	12.621	202	133879	17.906	ng	99
78) Pyrene	12.851	202	151667	13.862	ng	99
81) Benzo(a)anthracene	14.039	228	71772	9.115	ng	93
83) Chrysene	14.074	228	60994	8.681	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	32581	4.961	ng	96
88) Benzo(b)fluoranthene	15.104	252	100094	20.063	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	100094	21.444	ng	# 95
90) Benzo(a)pyrene	15.480	252	54965	11.404	ng	95
92) Benzo(g,h,i)perylene	17.509	276	32607	6.128	ng	95

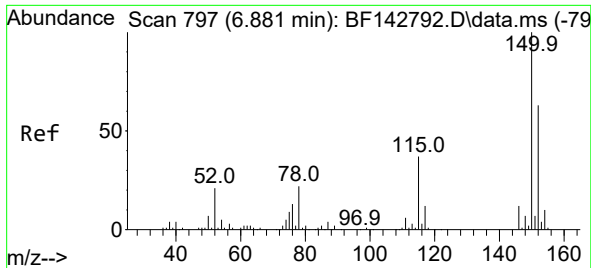
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142956.D
Acq On : 01 Jul 2025 18:31
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Time: Jul 02 01:03:05 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

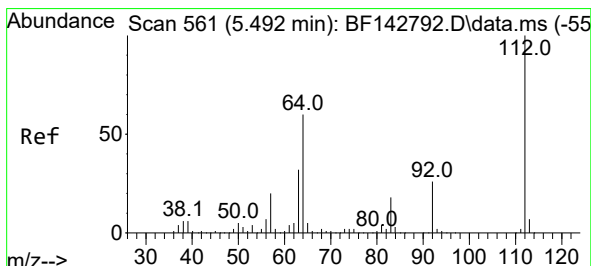
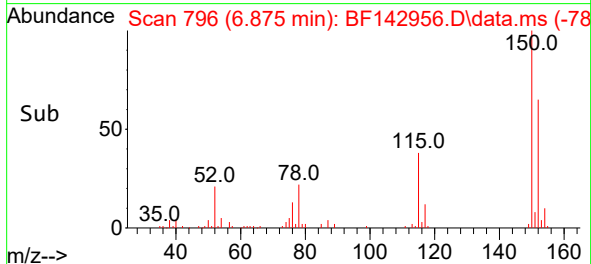
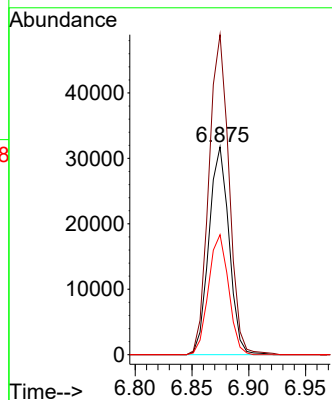
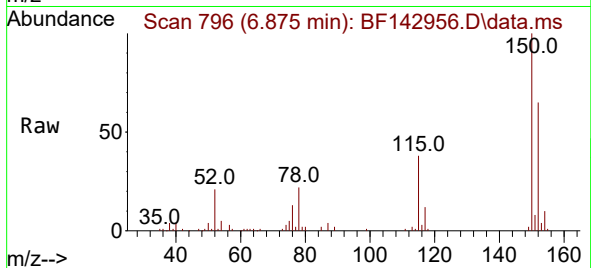




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

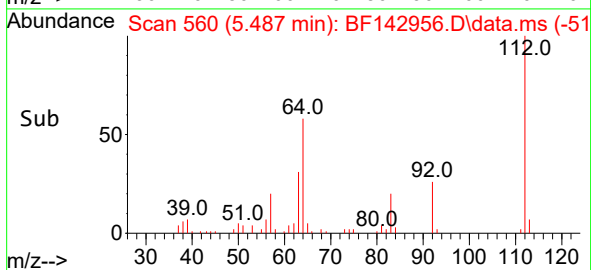
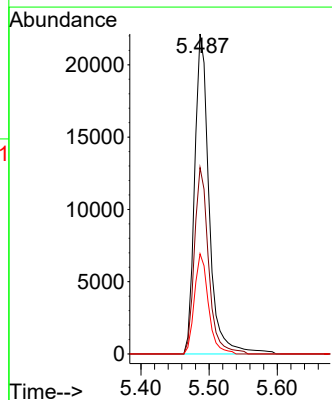
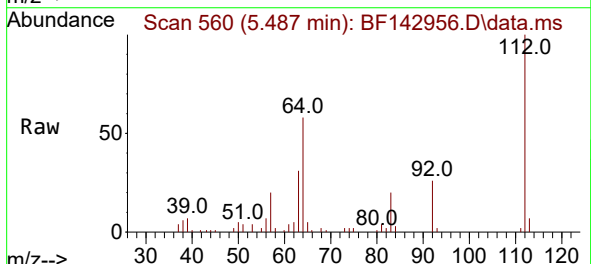
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

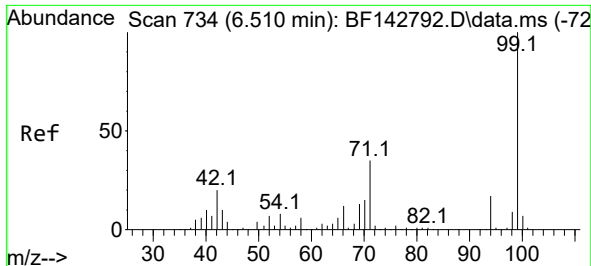
Tgt Ion:152 Resp: 39108
Ion Ratio Lower Upper
152 100
150 154.0 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 13.838 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:112 Resp: 32505
Ion Ratio Lower Upper
112 100
64 58.3 48.2 72.2
63 31.3 25.7 38.5

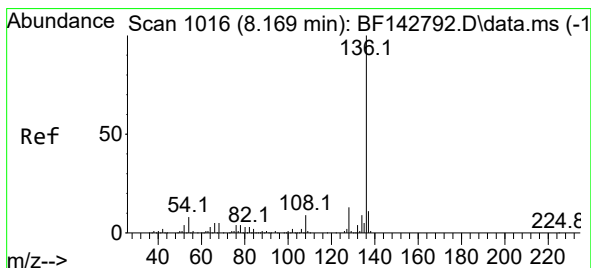
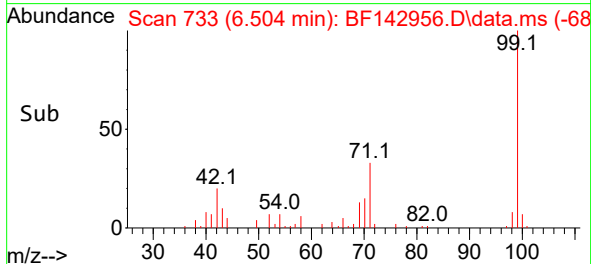
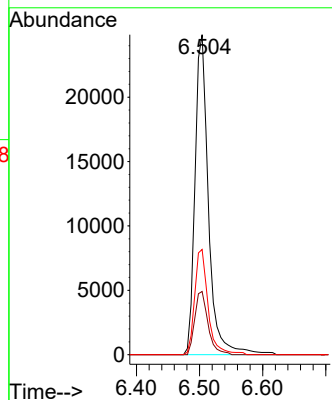
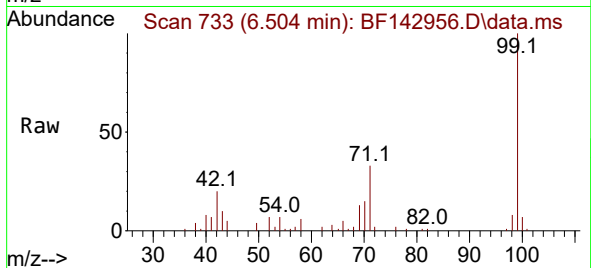




#7
Phenol-d6
Concen: 13.291 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

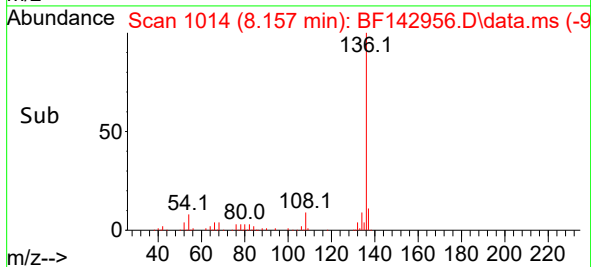
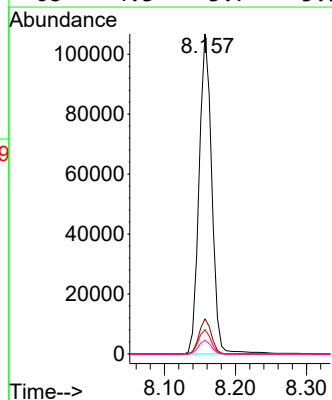
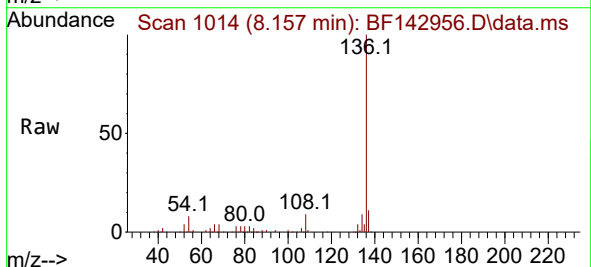
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

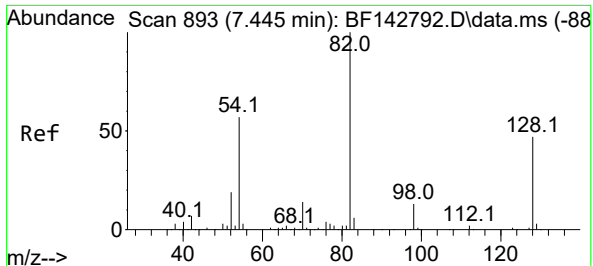
Tgt Ion: 99 Resp: 36834
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 32.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion: 136 Resp: 133061
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 8.501 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

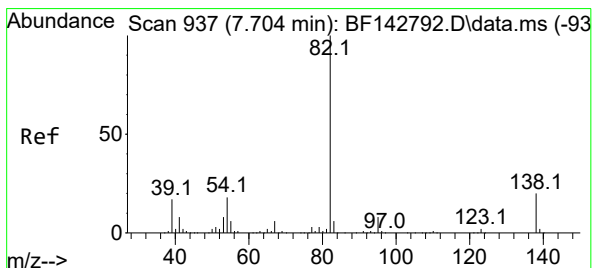
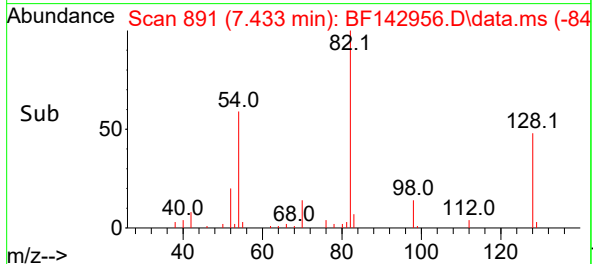
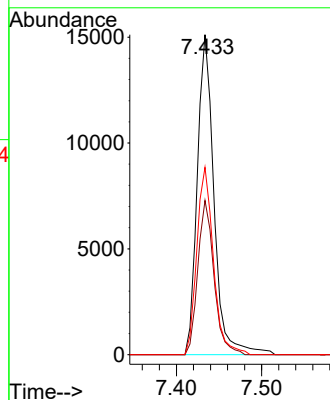
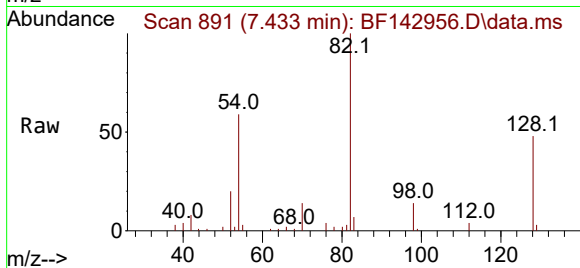
Tgt Ion: 82 Resp: 20623

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 58.6 45.7 68.5



#25

Isophorone

Concen: 5.300 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.271 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

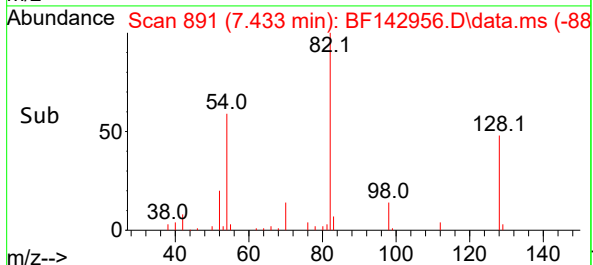
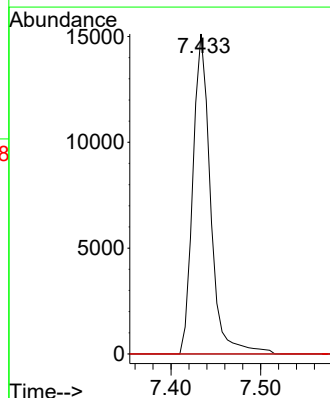
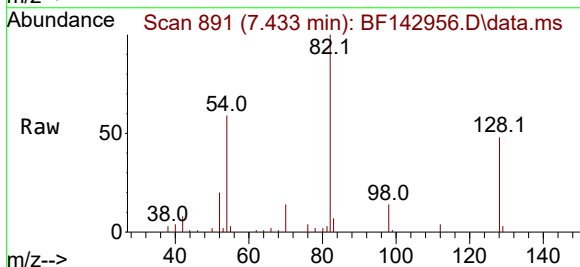
Tgt Ion: 82 Resp: 20626

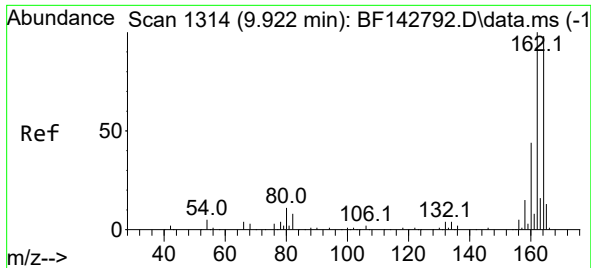
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

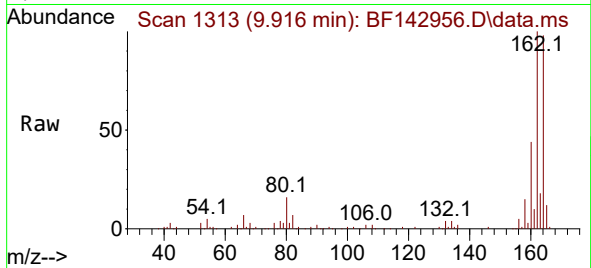
138 0.0 16.2 24.4#



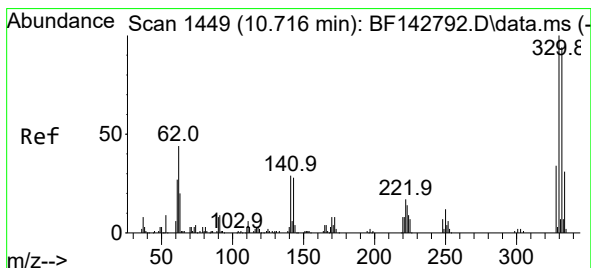
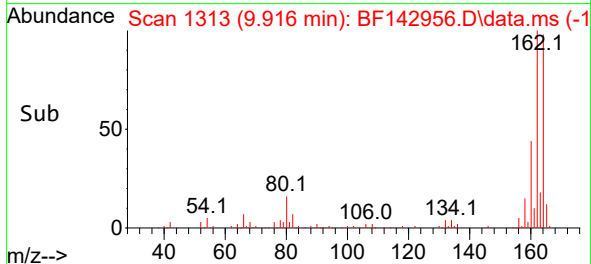
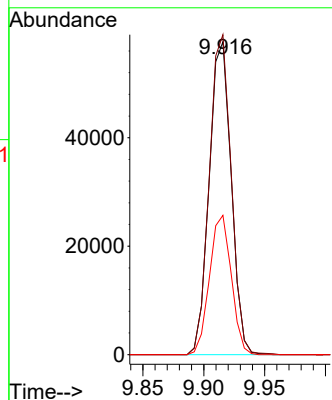


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

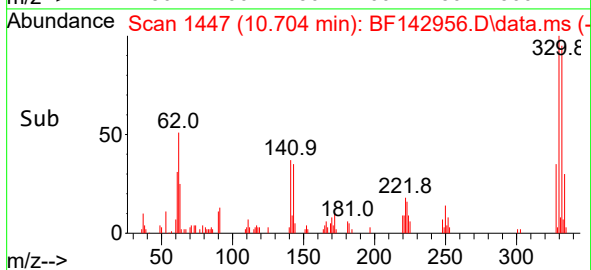
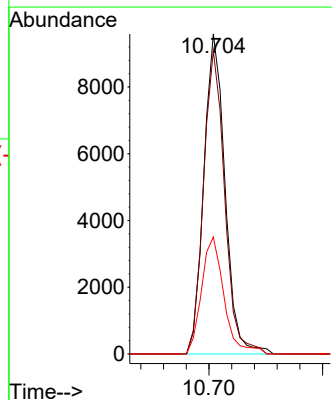
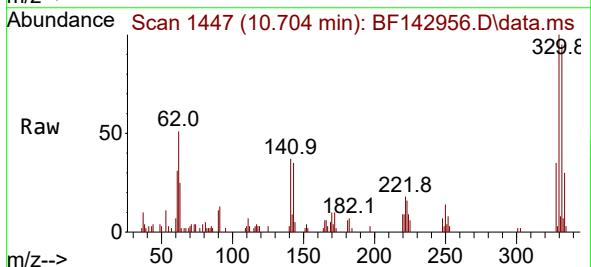


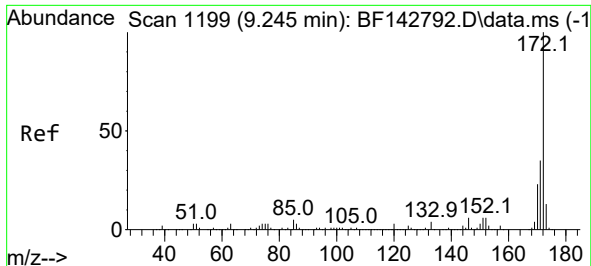
Tgt Ion:164	Resp:	72460	
Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	44.5	36.0	54.0



#42
2,4,6-Tribromophenol
Concen: 16.619 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:330	Resp:	12392	
Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.0	112.6
141	38.7	25.3	37.9





#45

2-Fluorobiphenyl

Concen: 9.836 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

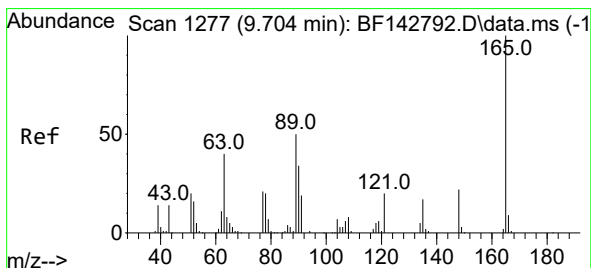
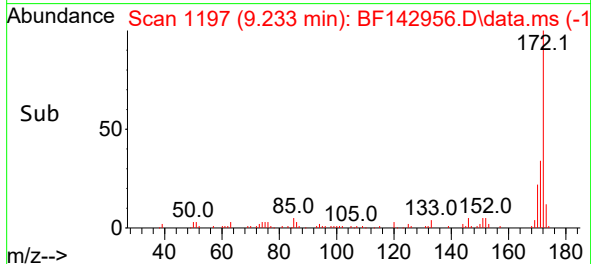
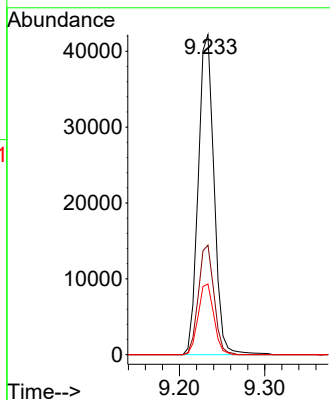
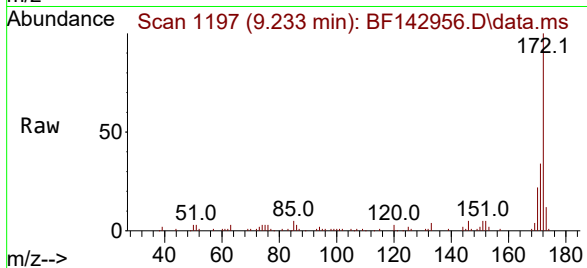
Tgt Ion:172 Resp: 54256

Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.4

170 22.1 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.149 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

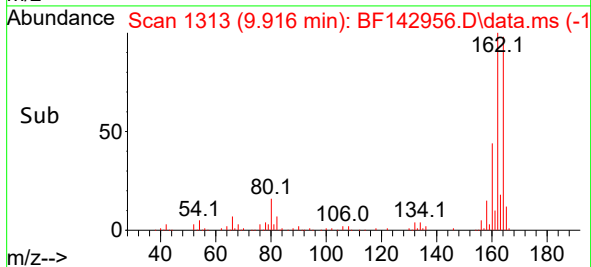
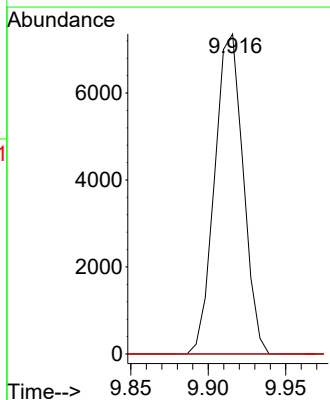
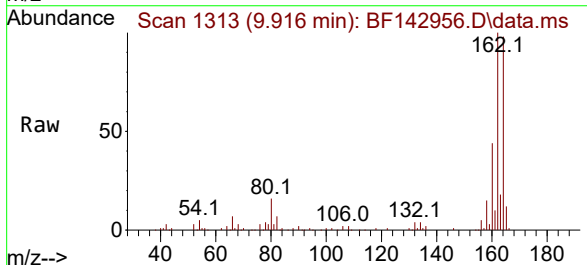
Tgt Ion:165 Resp: 9424

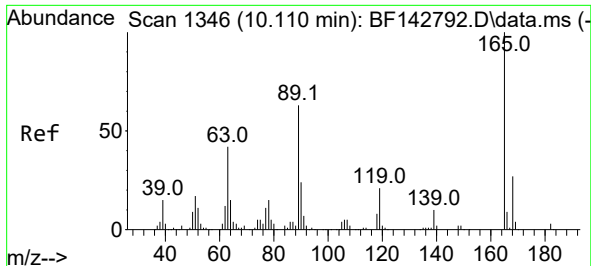
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

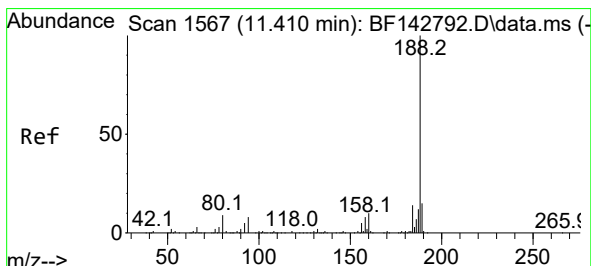
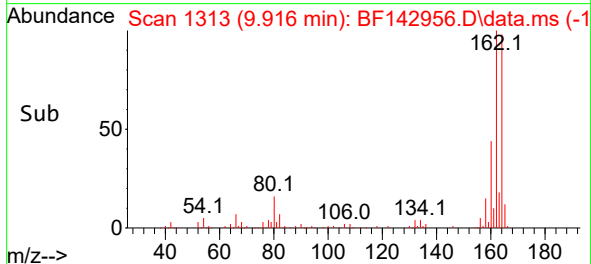
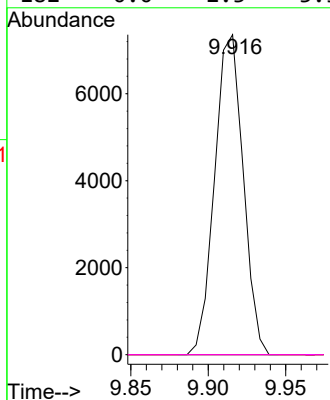
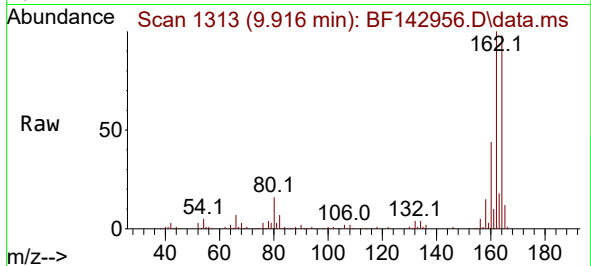




#57
2,4-Dinitrotoluene
Concen: 6.888 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

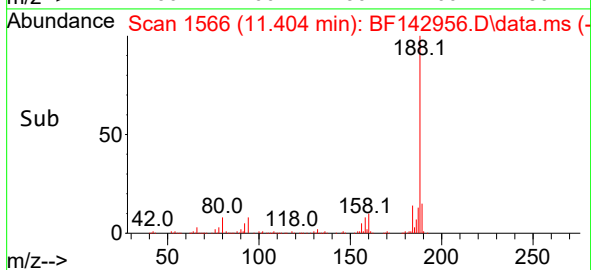
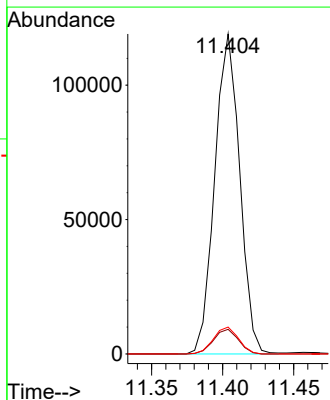
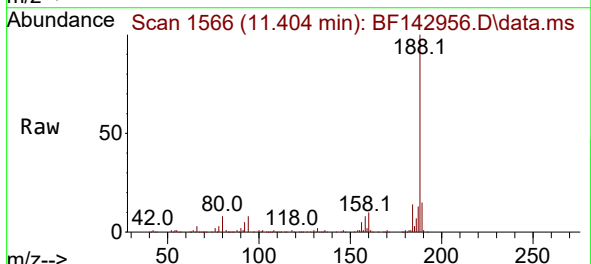
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

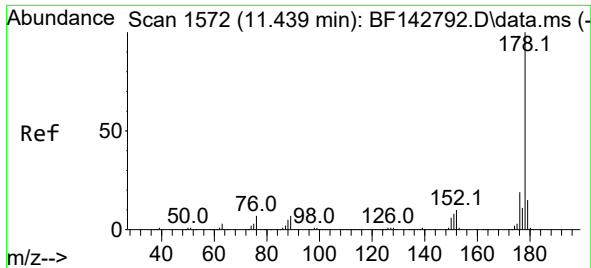
Tgt Ion:165 Resp: 9424
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:188 Resp: 145430
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.4 6.9 10.3

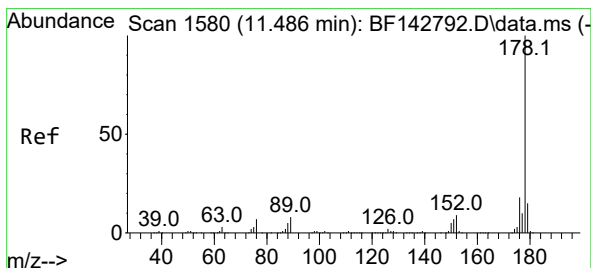
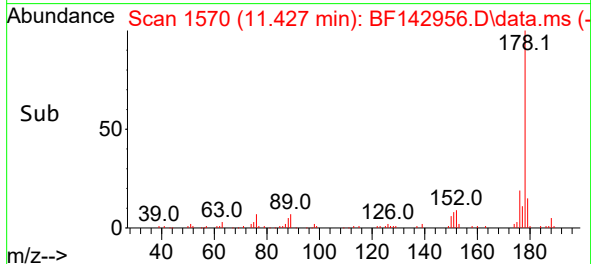
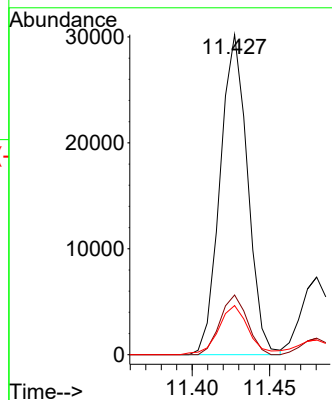
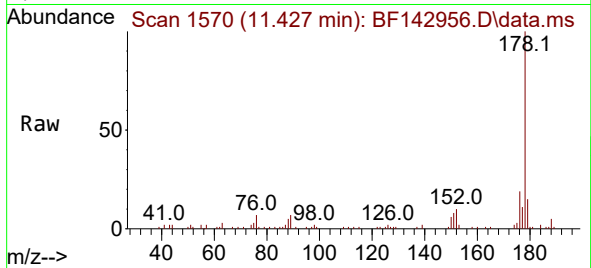




#71
Phenanthrene
Concen: 4.725 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

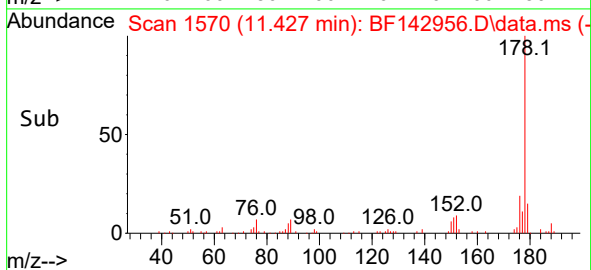
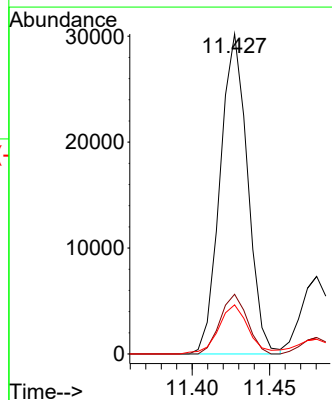
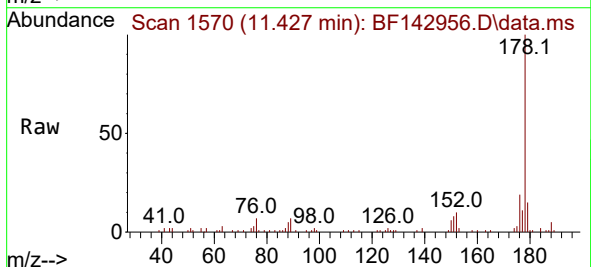
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

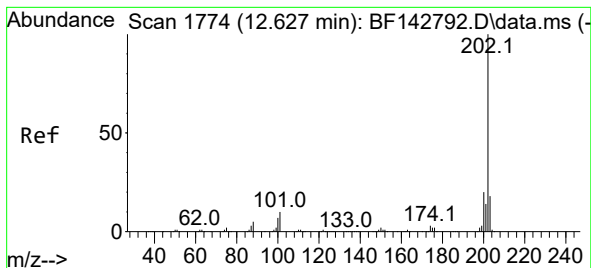
Tgt Ion:178 Resp: 37220
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 4.607 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.059 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:178 Resp: 37220
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.4 12.4 18.6





#75

Fluoranthene

Concen: 17.906 ng

RT: 12.621 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

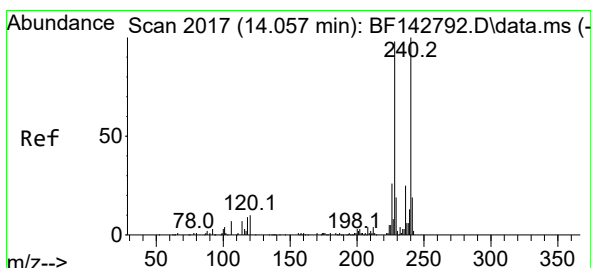
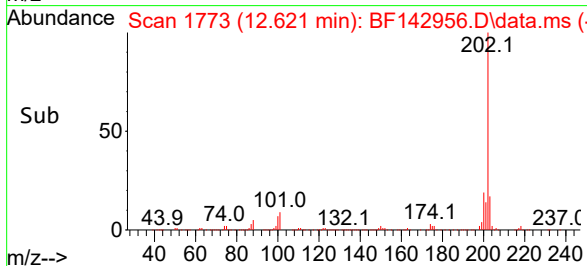
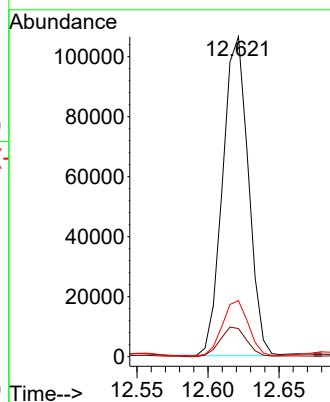
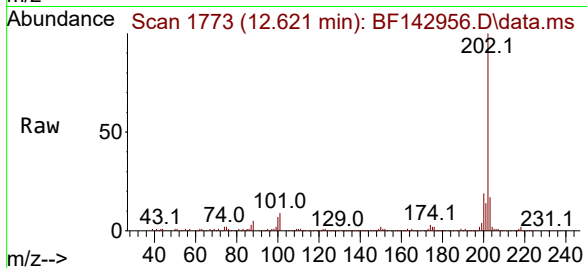
Tgt Ion:202 Resp: 133879

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.7

203 17.5 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: BF142956.D

Acq: 01 Jul 2025 18:31

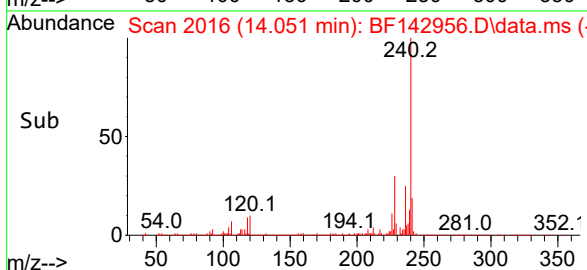
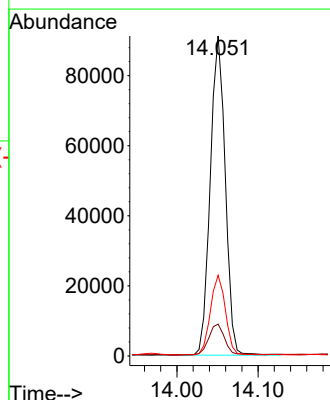
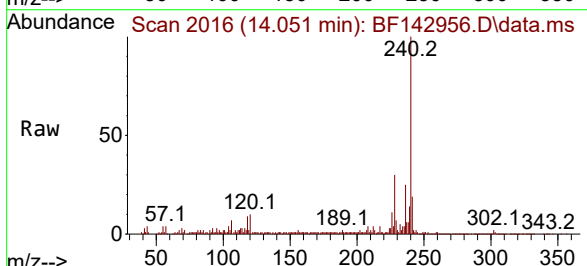
Tgt Ion:240 Resp: 116724

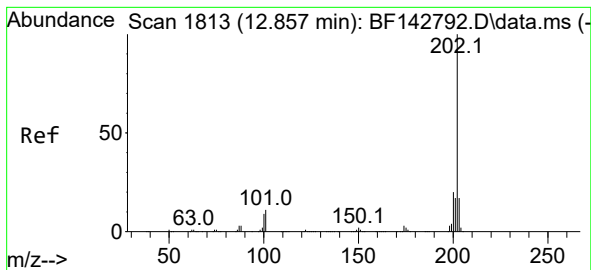
Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.2 19.8 29.8





#78

Pyrene

Concen: 13.862 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

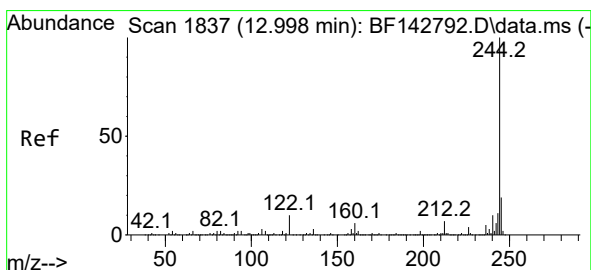
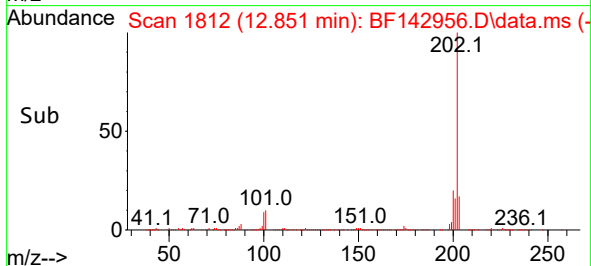
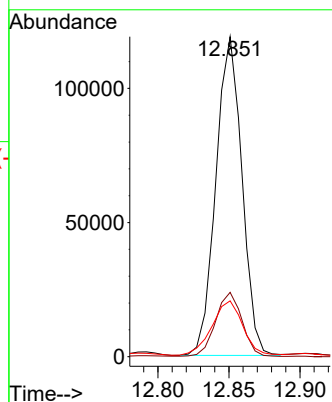
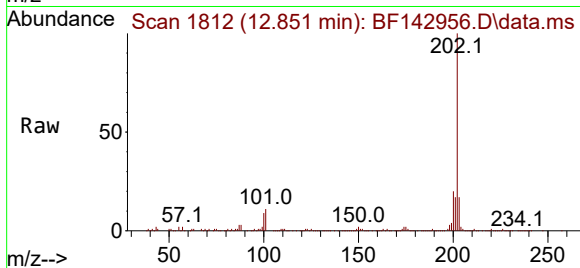
Tgt Ion:202 Resp: 151667

Ion Ratio Lower Upper

202 100

200 20.1 15.7 23.5

203 17.4 13.8 20.6



#79

Terphenyl-d14

Concen: 9.442 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

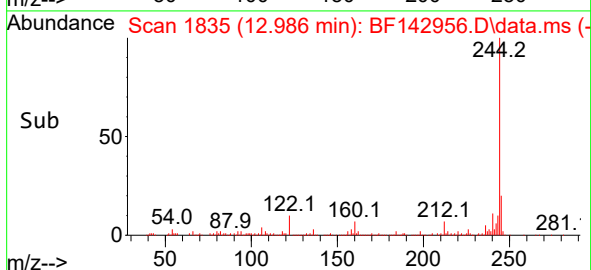
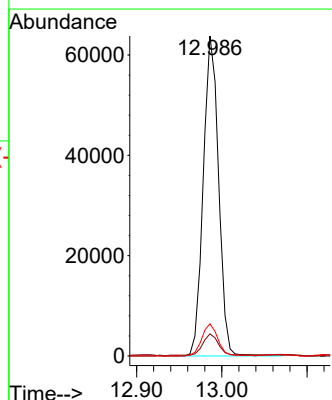
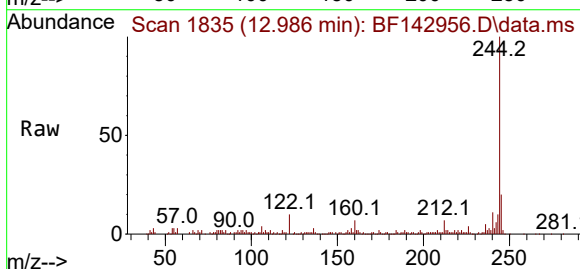
Tgt Ion:244 Resp: 79764

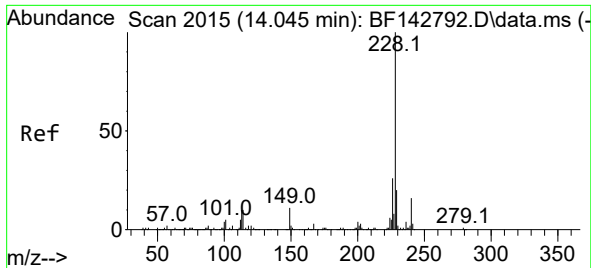
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.0 8.2 12.2

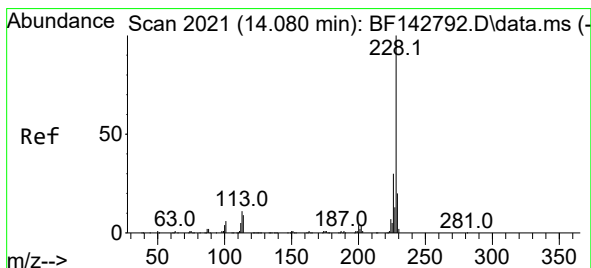
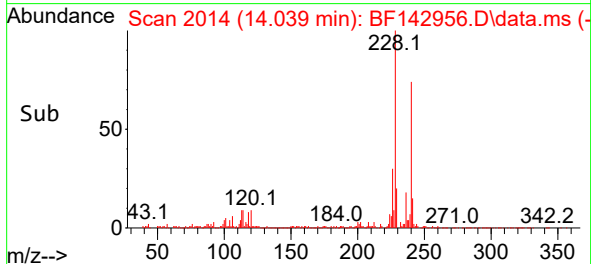
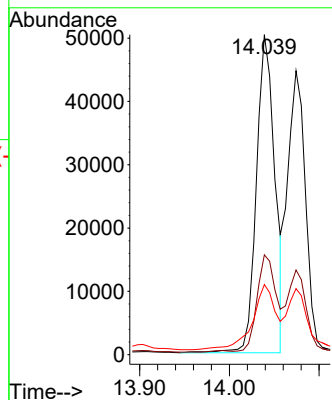
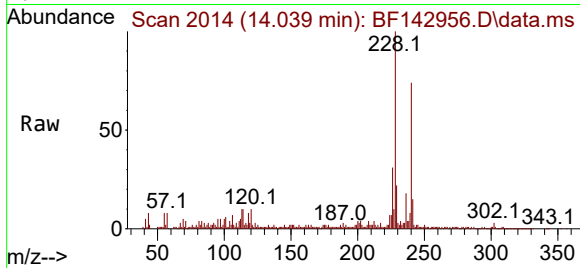




#81
Benzo(a)anthracene
Concen: 9.115 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

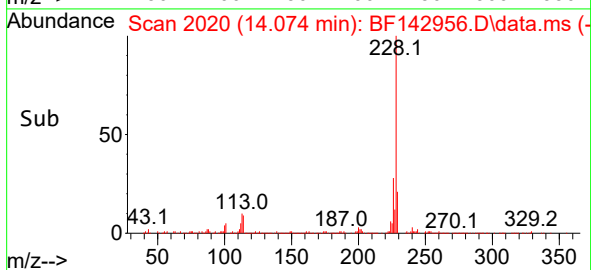
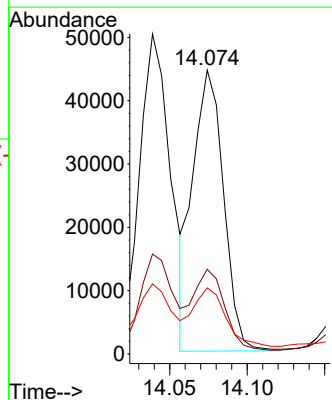
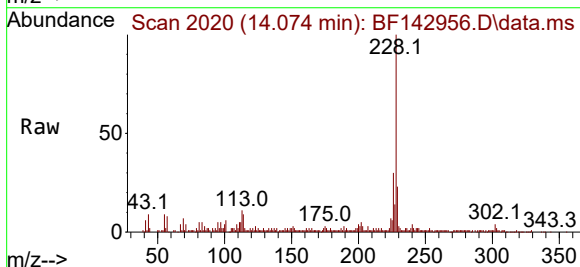
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

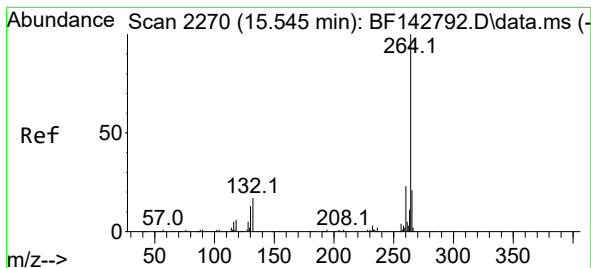
Tgt Ion:228 Resp: 71772
Ion Ratio Lower Upper
228 100
226 31.2 21.2 31.8
229 21.9 15.6 23.4



#83
Chrysene
Concen: 8.681 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:228 Resp: 60994
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 23.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

Instrument :

BNA_F

ClientSampleId :

OK-2-062725

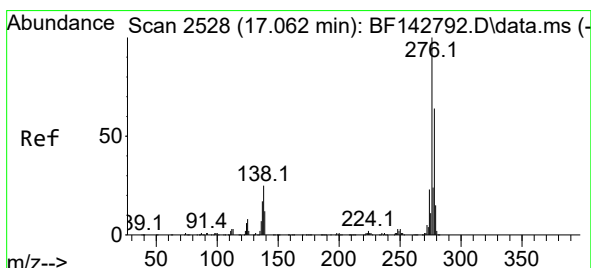
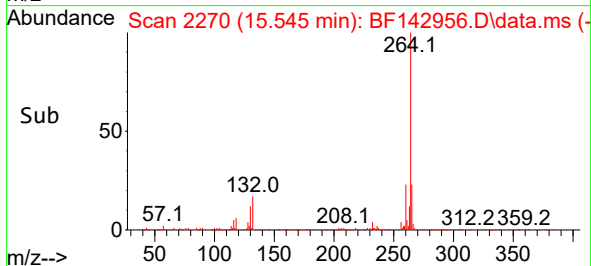
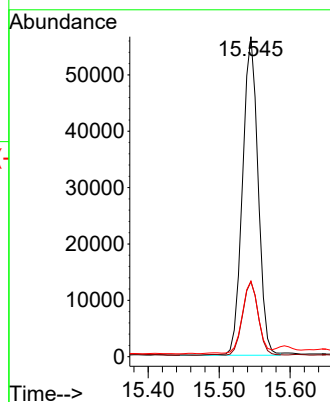
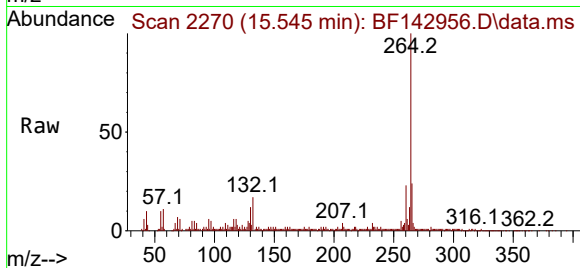
Tgt Ion:264 Resp: 86219

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 23.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.961 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.012 min

Lab File: BF142956.D

Acq: 01 Jul 2025 18:31

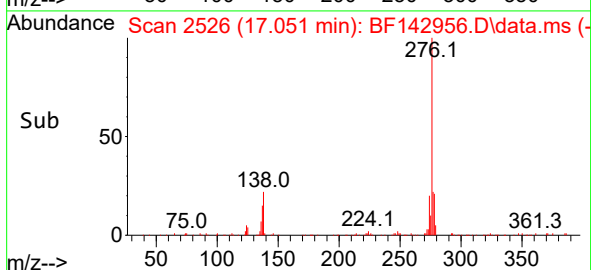
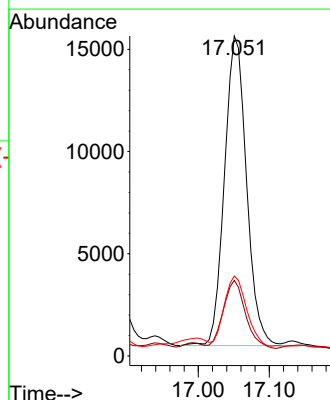
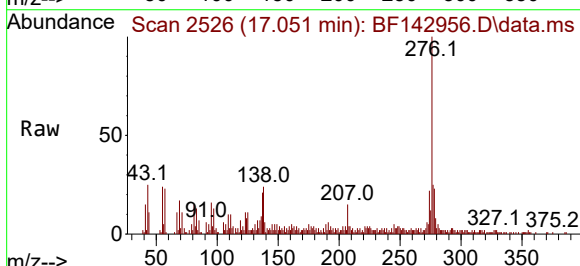
Tgt Ion:276 Resp: 32581

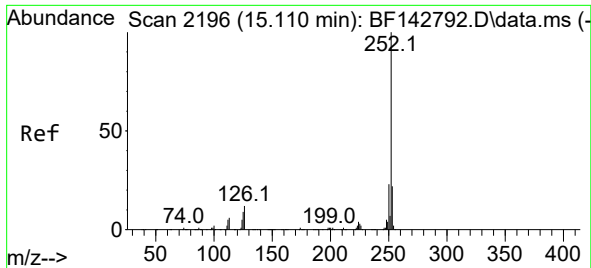
Ion Ratio Lower Upper

276 100

138 22.4 20.2 30.4

277 23.2 19.8 29.6

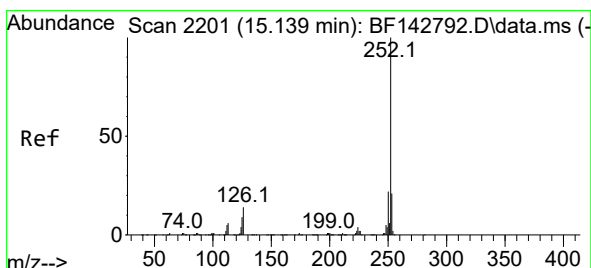
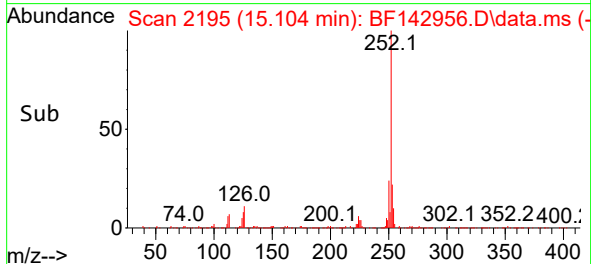
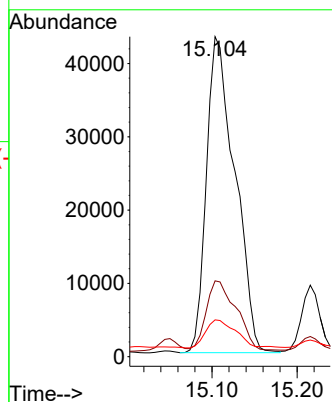
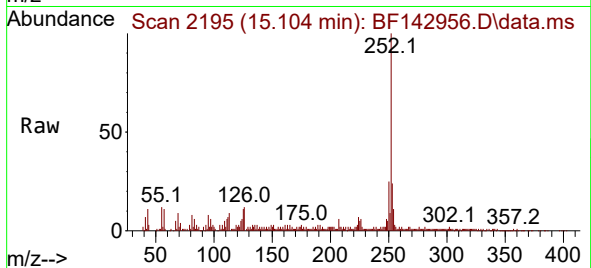




#88
Benzo(b)fluoranthene
Concen: 20.063 ng
RT: 15.104 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

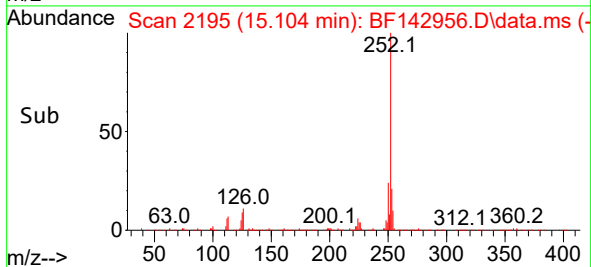
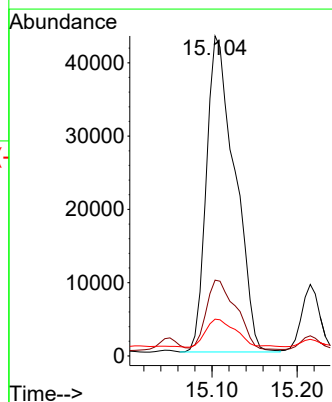
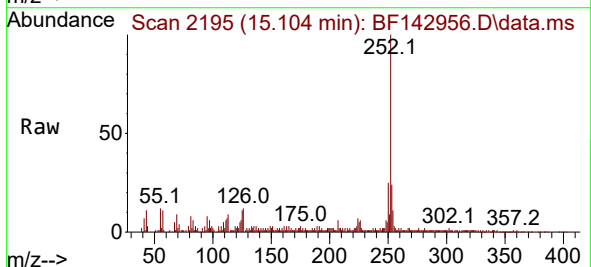
Instrument :
BNA_F
ClientSampleId :
OK-2-062725

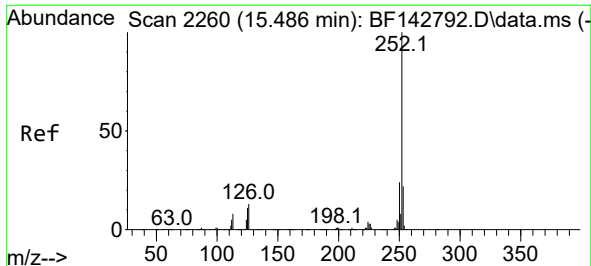
Tgt Ion:252 Resp: 100094
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.5 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 21.444 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:252 Resp: 100094
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 11.5 7.4 11.2#

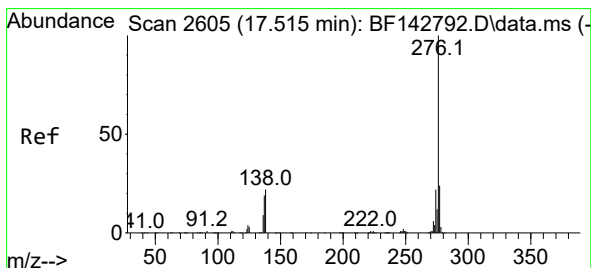
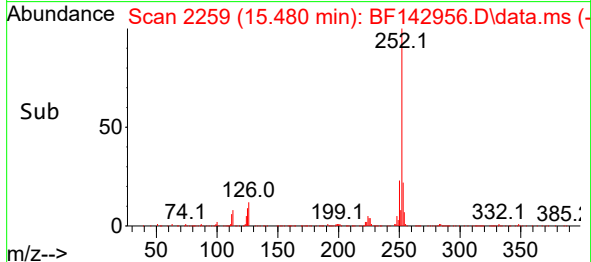
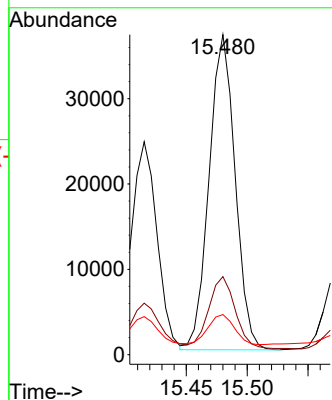
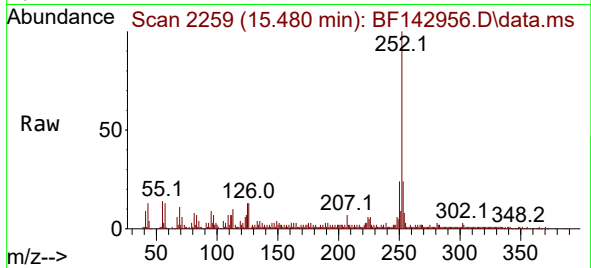




#90
Benzo(a)pyrene
Concen: 11.404 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:252 Resp: 54965
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 12.5 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 6.128 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:276 Resp: 32607
Ion Ratio Lower Upper
276 100
277 26.0 18.8 28.2
138 23.9 17.6 26.4

