

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142684.D
 Acq On : 07 Jun 2025 11:26
 Operator : RC/JU
 Sample : Q2225-01 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-06042025

Quant Time: Jun 09 01:05:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

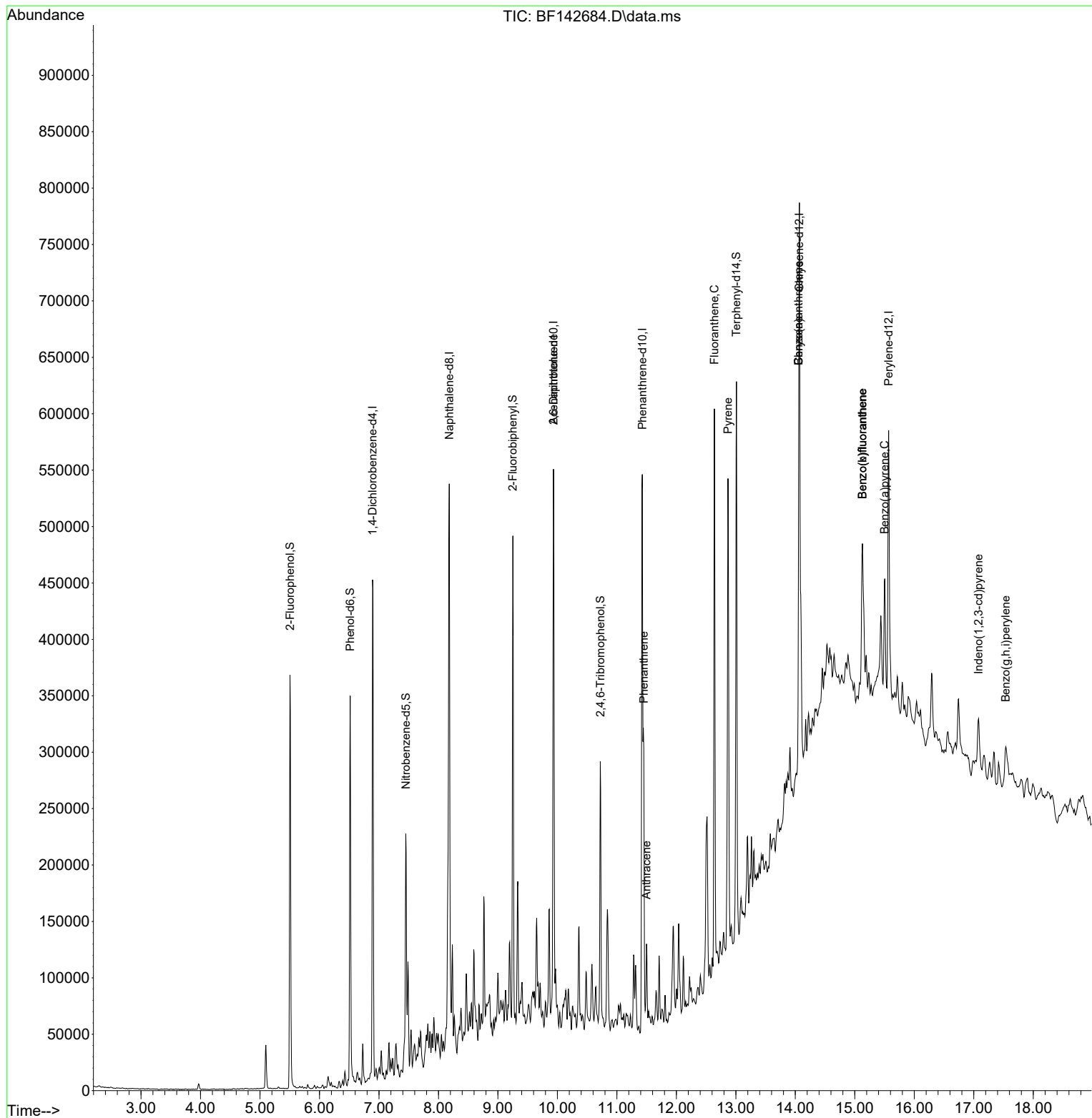
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	99220	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	320418	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	143985	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	266778	20.000	ng	0.00
76) Chrysene-d12	14.069	240	197785	20.000	ng	0.00
86) Perylene-d12	15.568	264	149506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	148999	25.300	ng	-0.01
7) Phenol-d6	6.516	99	164981	23.272	ng	-0.02
23) Nitrobenzene-d5	7.451	82	90712	15.437	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	41288	25.836	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	196370	18.301	ng	-0.02
79) Terphenyl-d14	13.010	244	240106	16.590	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.934	165	20126	9.815	ng	# 28
71) Phenanthrene	11.451	178	137738	9.661	ng	98
72) Anthracene	11.498	178	43448	2.986	ng	99
75) Fluoranthene	12.639	202	286925	21.538	ng	99
78) Pyrene	12.869	202	240780	13.050	ng	97
81) Benzo(a)anthracene	14.057	228	98416	7.452	ng	95
83) Chrysene	14.057	228	98416	8.293	ng	95
87) Indeno(1,2,3-cd)pyrene	17.080	276	33186	2.957	ng	95
88) Benzo(b)fluoranthene	15.127	252	109780	12.407	ng	# 88
89) Benzo(k)fluoranthene	15.127	252	109780	13.246	ng	# 88
90) Benzo(a)pyrene	15.504	252	59235	7.102	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	34183	3.754	ng	# 88

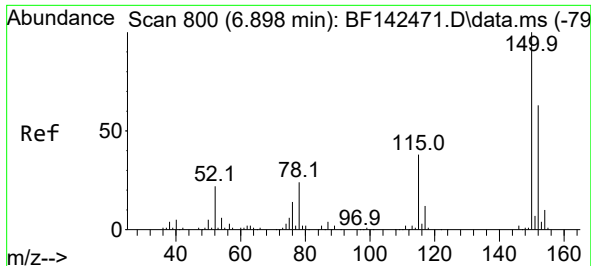
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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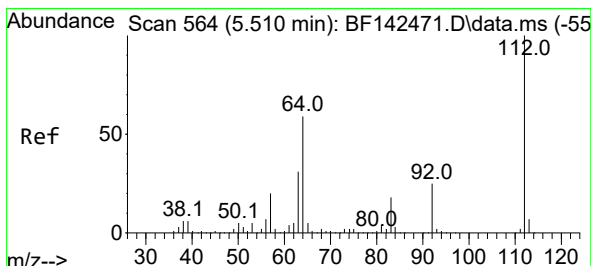
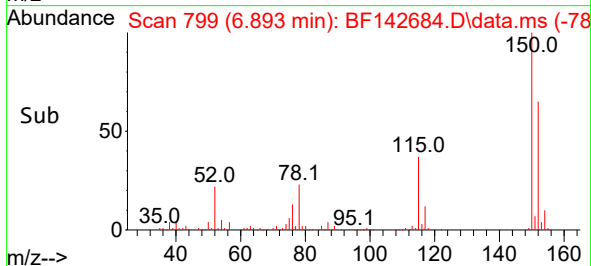
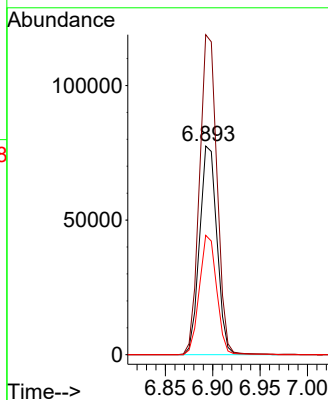
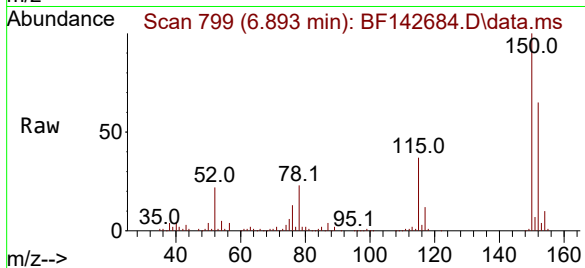




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

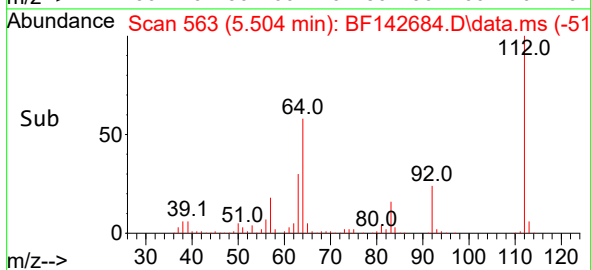
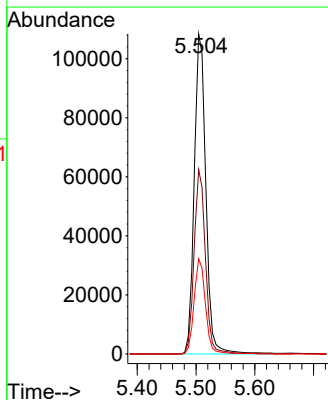
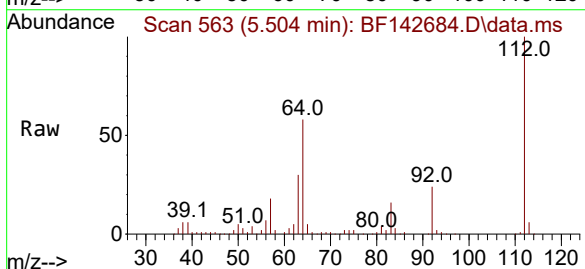
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025

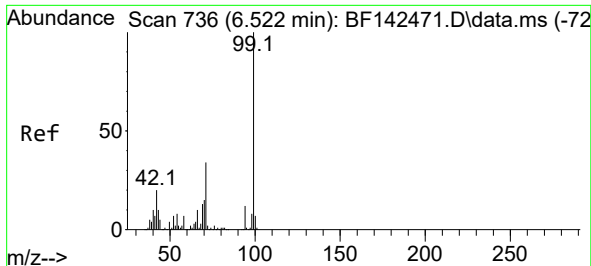
Tgt Ion:152 Resp: 99220
Ion Ratio Lower Upper
152 100
150 153.3 128.2 192.4
115 57.2 48.3 72.5



#5
2-Fluorophenol
Concen: 25.300 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion:112 Resp: 148999
Ion Ratio Lower Upper
112 100
64 57.6 47.5 71.3
63 29.7 24.9 37.3

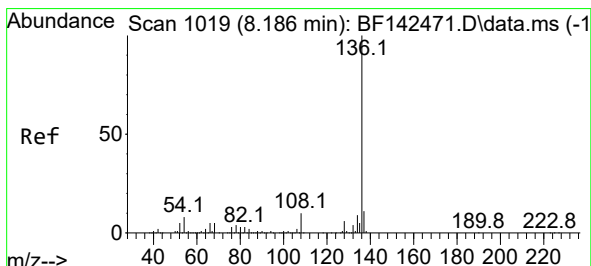
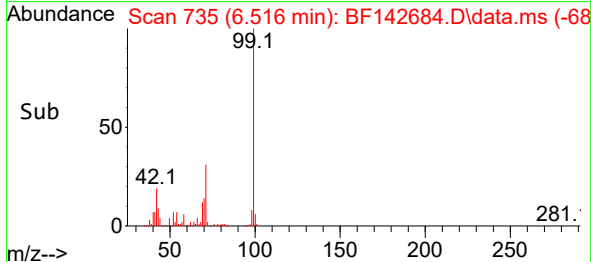
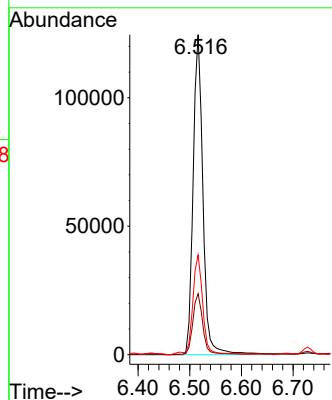
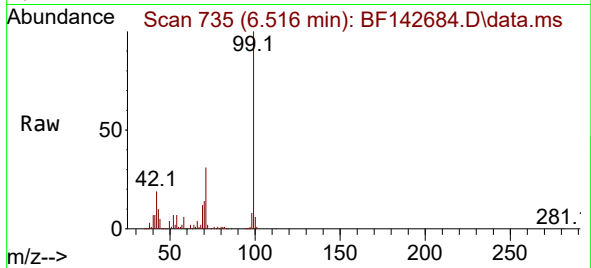




#7
Phenol-d6
Concen: 23.272 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

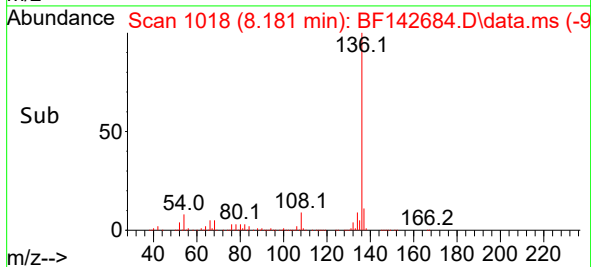
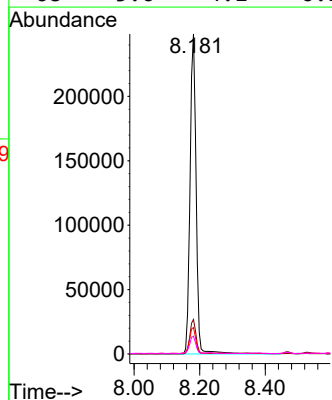
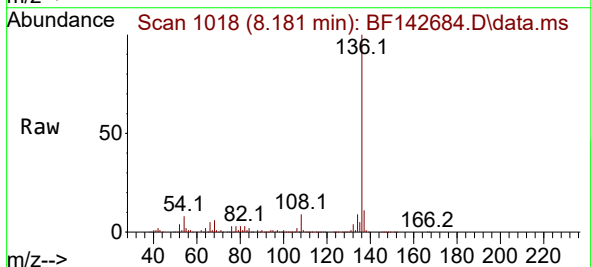
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025

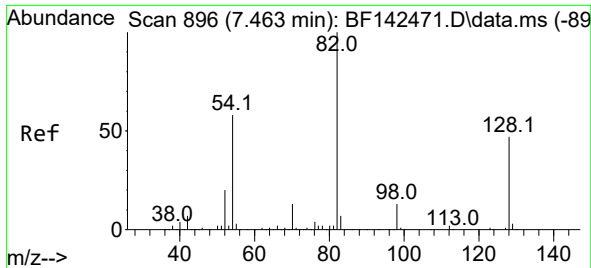
Tgt Ion: 99 Resp: 164981
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 31.1 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion: 136 Resp: 320418
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.6 10.0
68 5.6 4.1 6.1

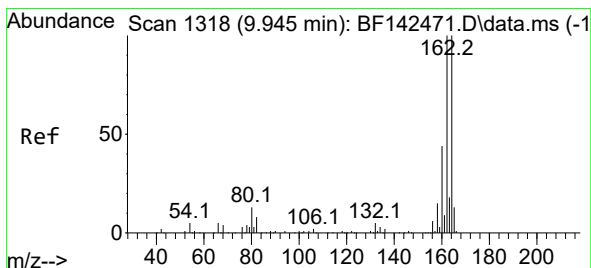
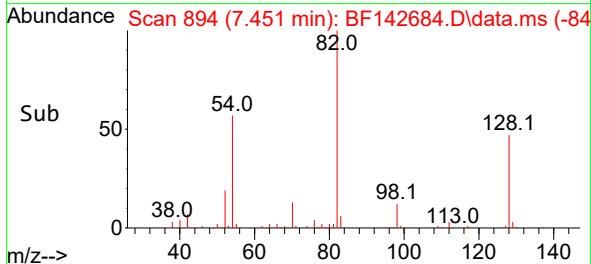
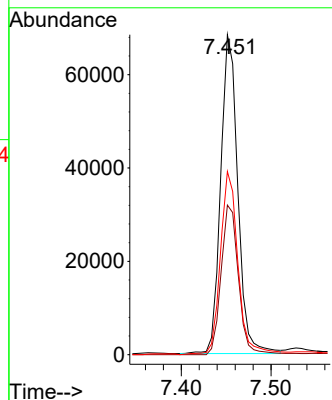
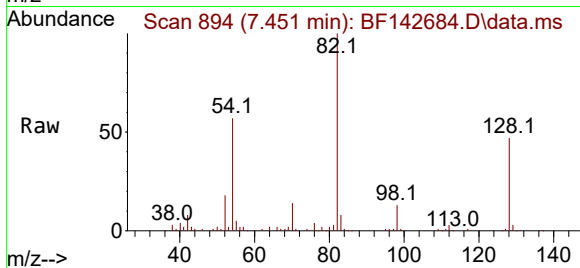




#23
 Nitrobenzene-d5
 Concen: 15.437 ng
 RT: 7.451 min Scan# 894
 Delta R.T. -0.023 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

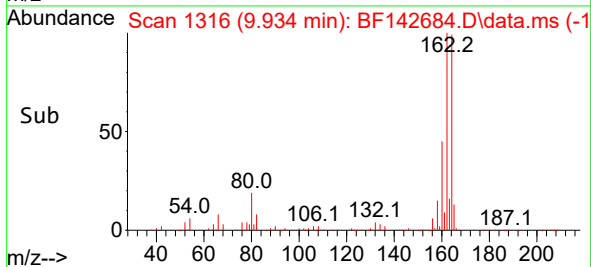
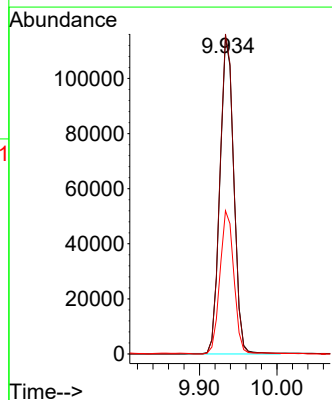
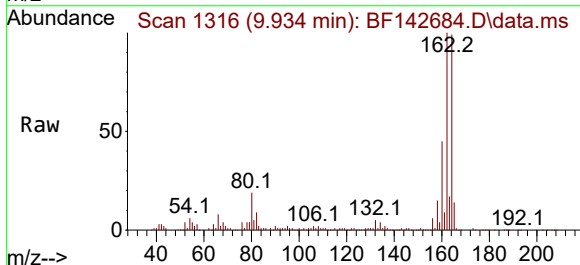
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-06042025

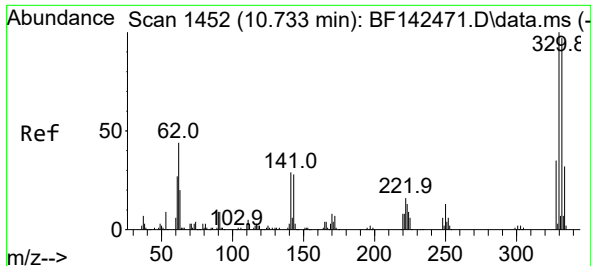
Tgt Ion: 82 Resp: 90712
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.4 56.2
 54 57.2 46.6 70.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.934 min Scan# 1316
 Delta R.T. -0.012 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

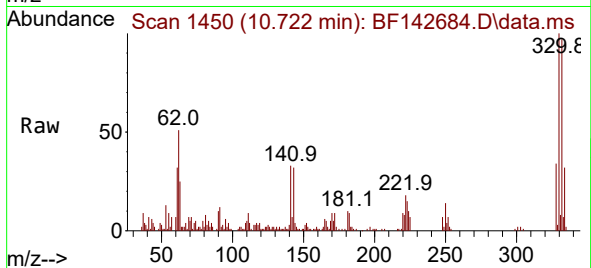
Tgt Ion: 164 Resp: 143985
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.2 120.4
 160 45.3 35.6 53.4





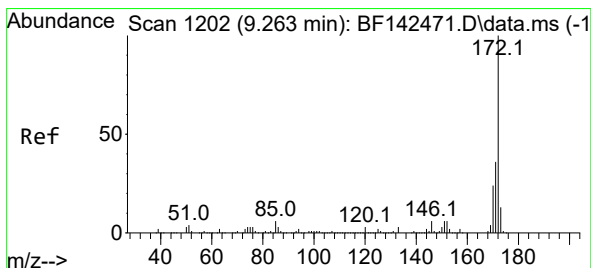
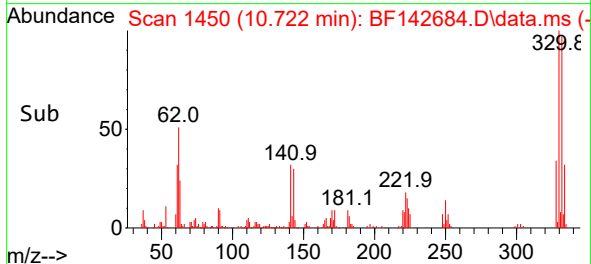
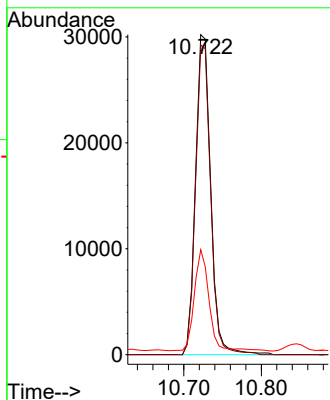
#42
2,4,6-Tribromophenol
Concen: 25.836 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion: 330 Resp: 41288

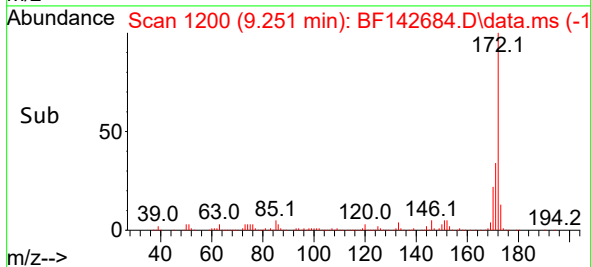
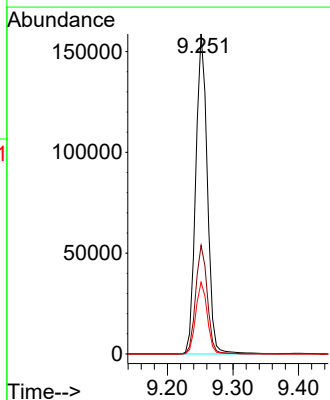
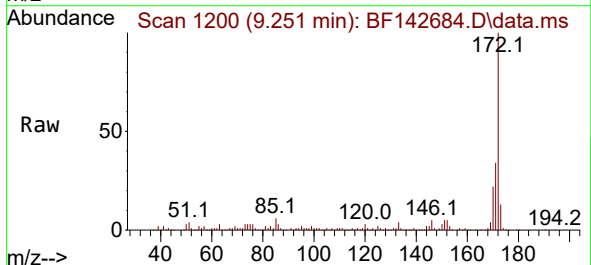
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.6	116.4
141	30.8	24.6	36.8

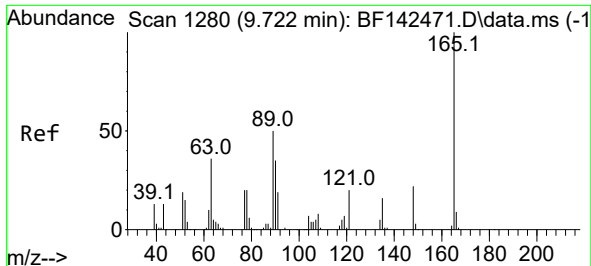


#45
2-Fluorobiphenyl
Concen: 18.301 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion: 172 Resp: 196370

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	22.4	18.9	28.3





#51

2,6-Dinitrotoluene

Concen: 9.815 ng

RT: 9.934 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

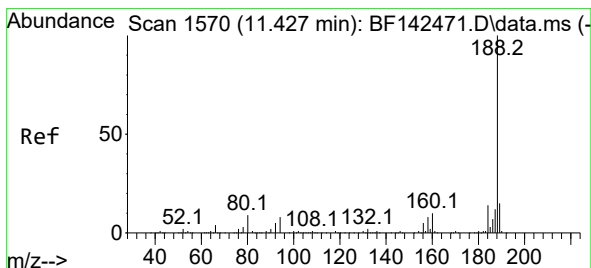
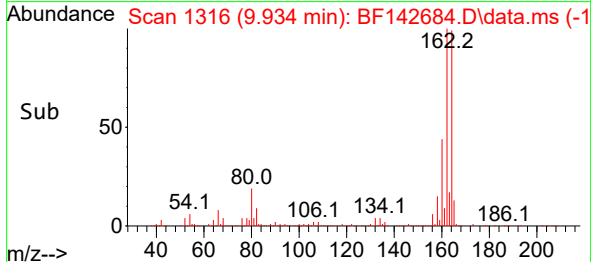
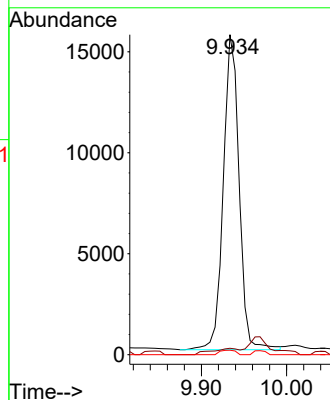
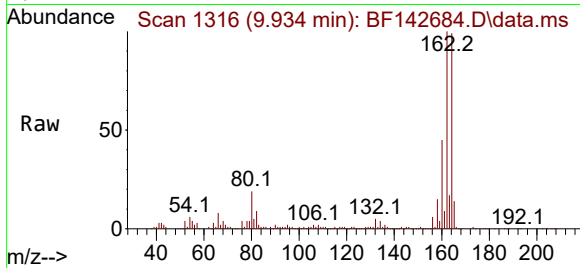
Tgt Ion:165 Resp: 20126

Ion Ratio Lower Upper

165 100

63 2.0 42.9 64.3#

89 1.4 40.2 60.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

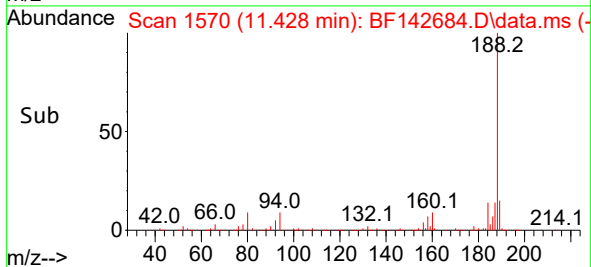
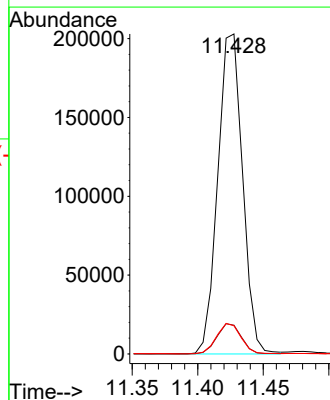
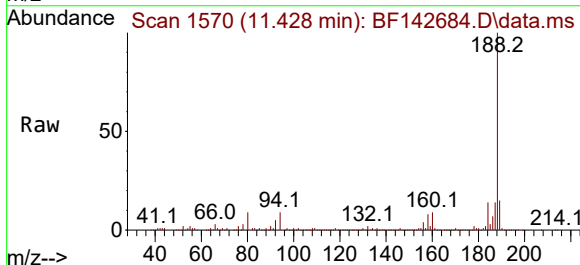
Tgt Ion:188 Resp: 266778

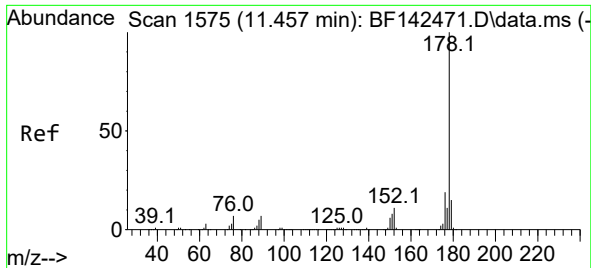
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 8.8 7.4 11.0

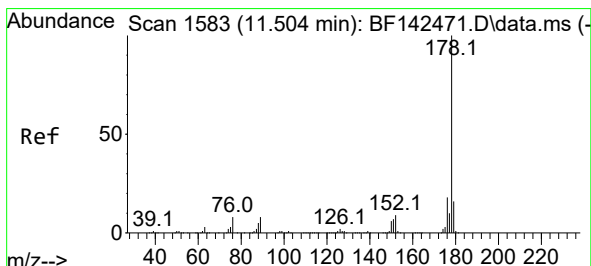
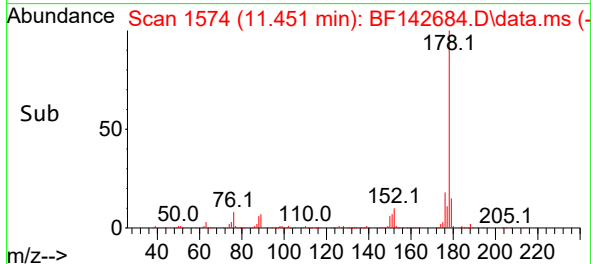
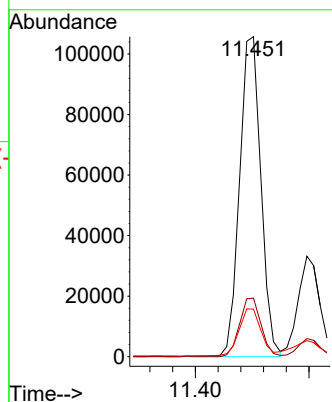
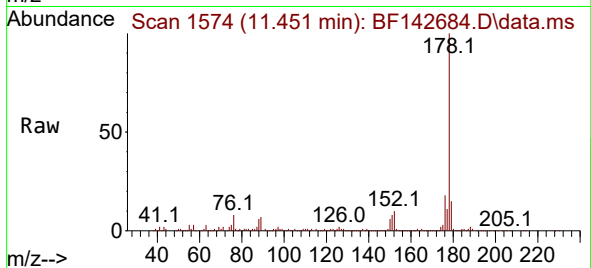




#71
Phenanthrene
Concen: 9.661 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

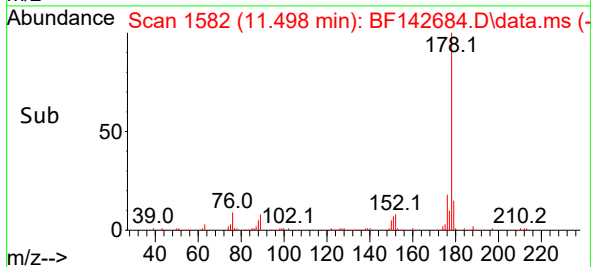
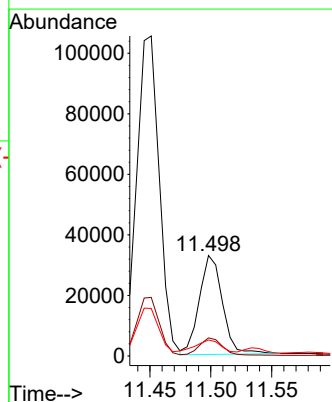
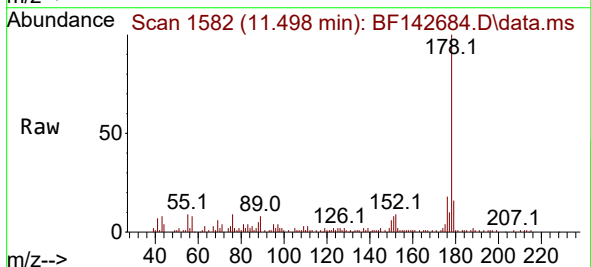
Instrument :
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SU-03-06042025

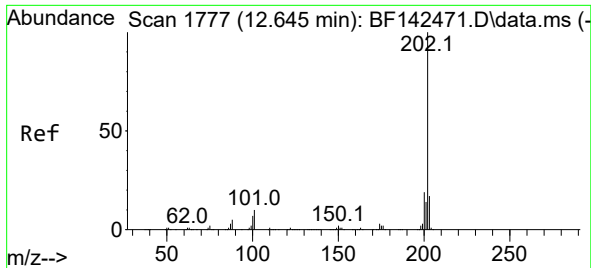
Tgt Ion:178 Resp: 137738
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.9 12.3 18.5



#72
Anthracene
Concen: 2.986 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion:178 Resp: 43448
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 15.9 12.4 18.6

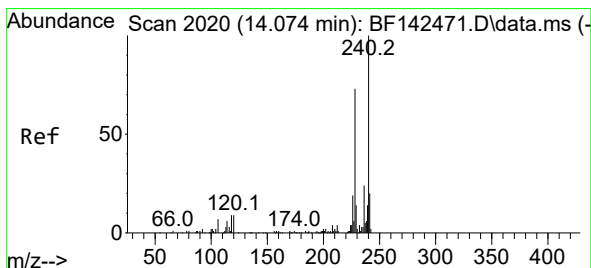
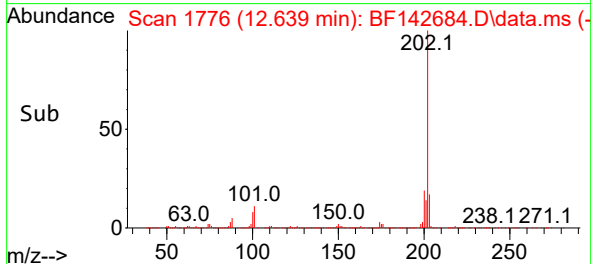
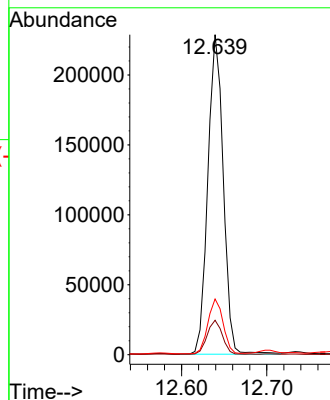
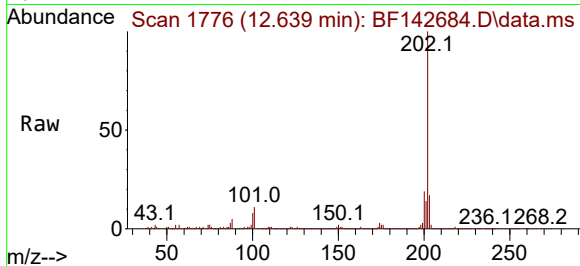




#75
Fluoranthene
Concen: 21.538 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

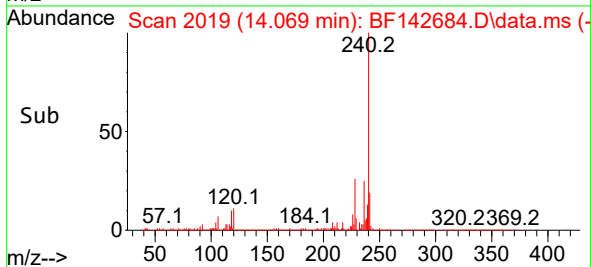
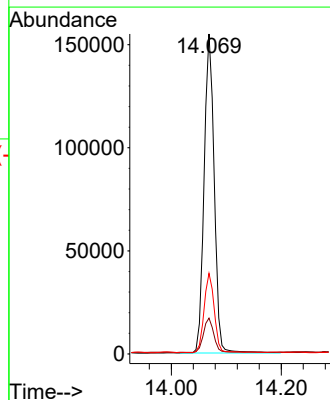
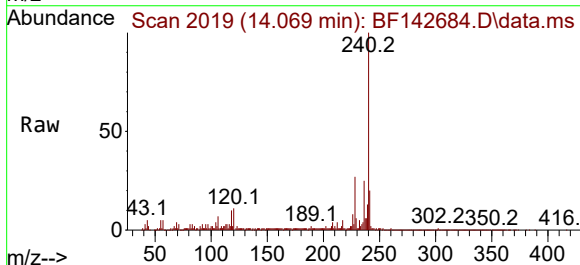
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025

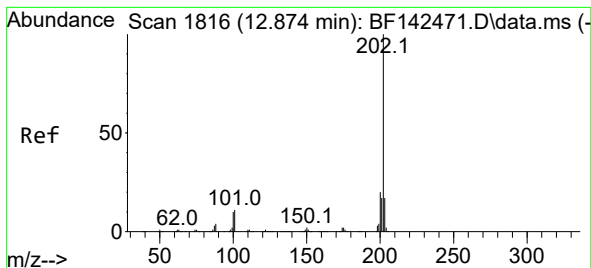
Tgt Ion:202 Resp: 286925
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion:240 Resp: 197785
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.2 19.6 29.4





#78

Pyrene

Concen: 13.050 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

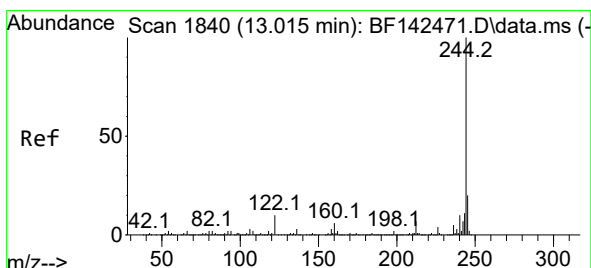
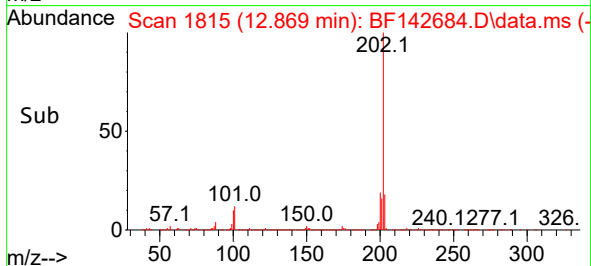
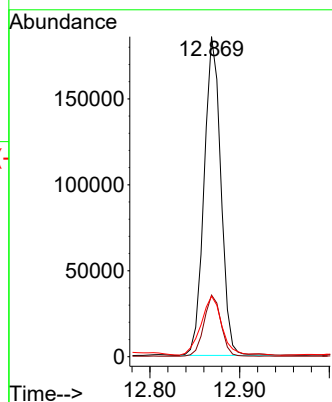
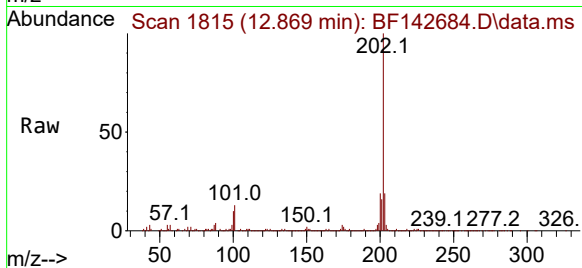
Tgt Ion:202 Resp: 240780

Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 18.9 13.9 20.9



#79

Terphenyl-d14

Concen: 16.590 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

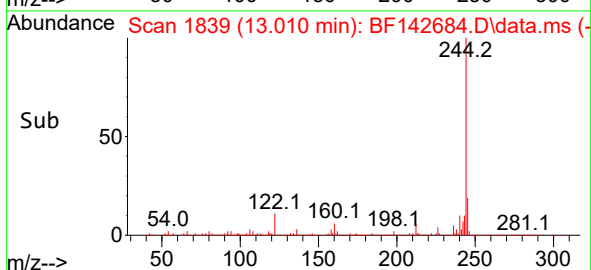
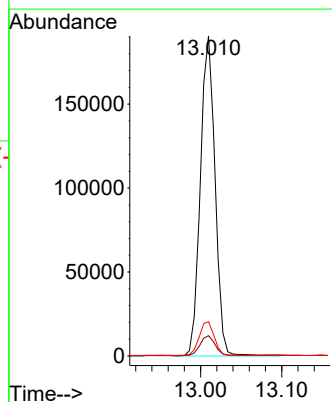
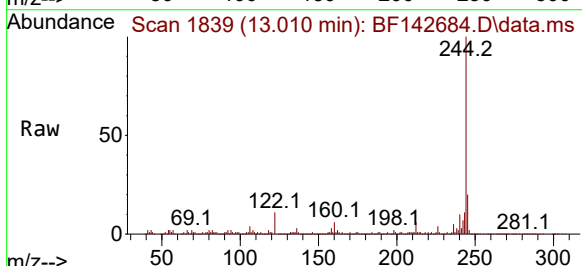
Tgt Ion:244 Resp: 240106

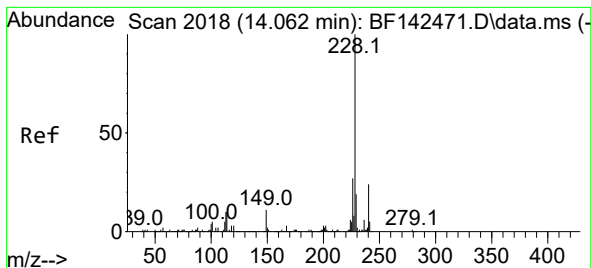
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 10.7 8.2 12.2





#81

Benzo(a)anthracene

Concen: 7.452 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

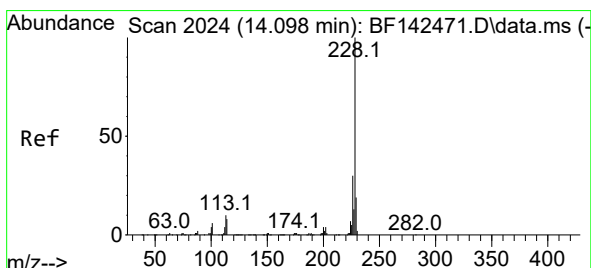
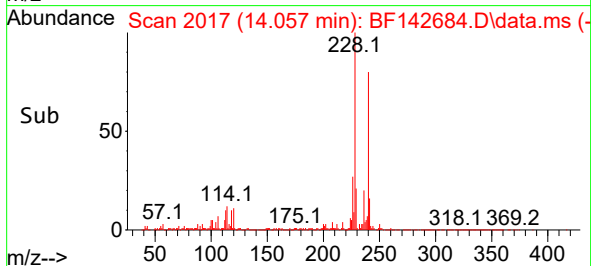
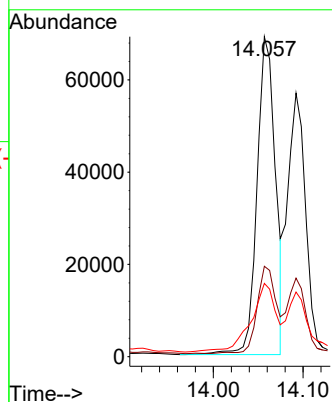
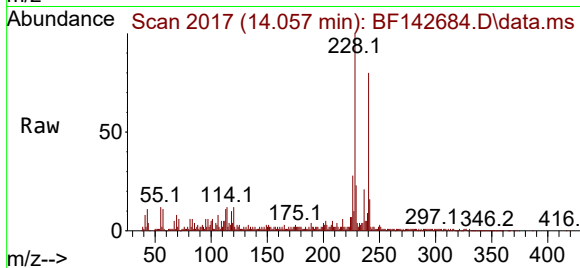
Tgt Ion:228 Resp: 98416

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

229 22.9 15.5 23.3



#83

Chrysene

Concen: 8.293 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.047 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

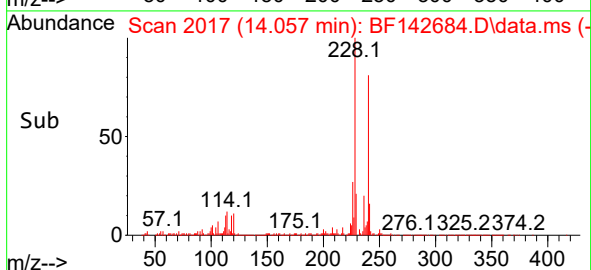
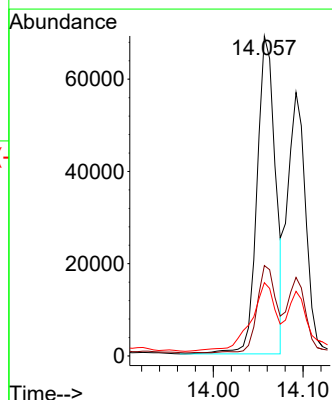
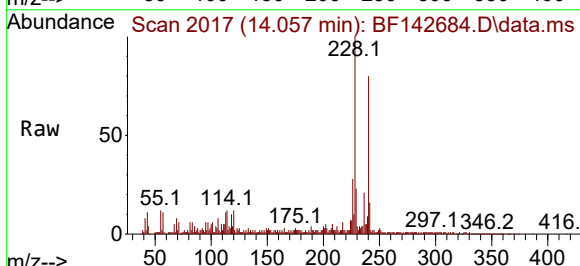
Tgt Ion:228 Resp: 98416

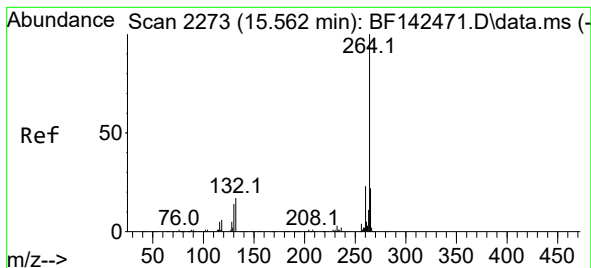
Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.6

229 22.9 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

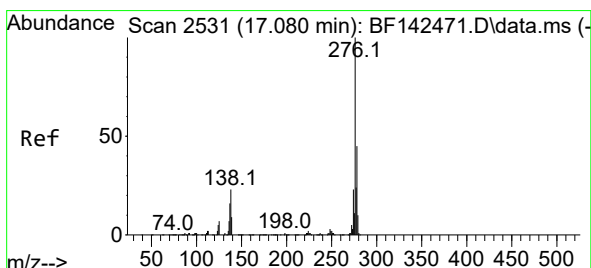
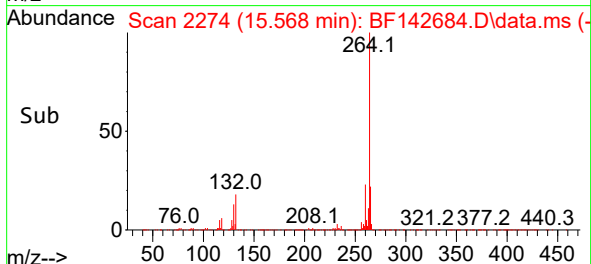
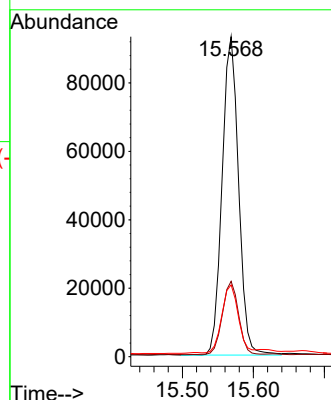
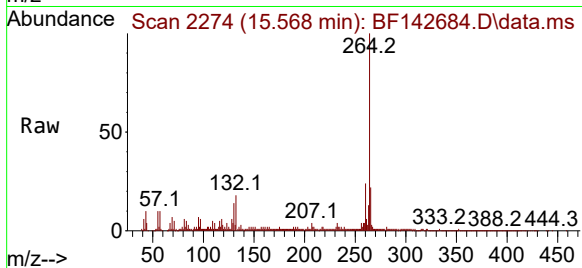
Tgt Ion:264 Resp: 149506

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.5 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.957 ng

RT: 17.080 min Scan# 2531

Delta R.T. -0.012 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

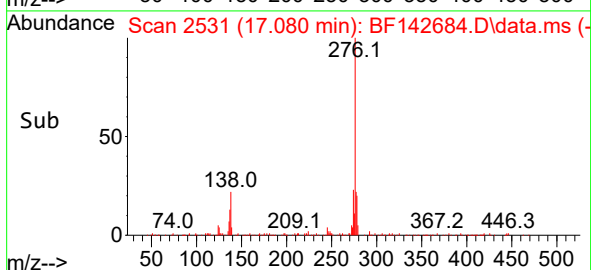
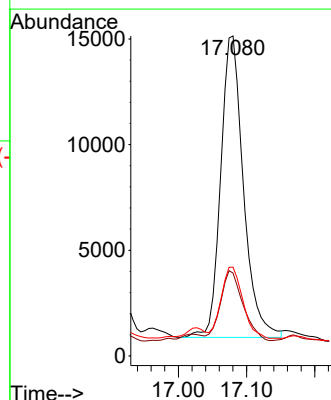
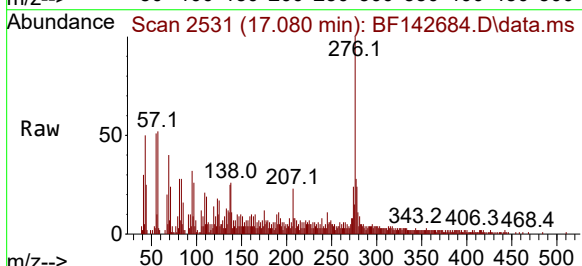
Tgt Ion:276 Resp: 33186

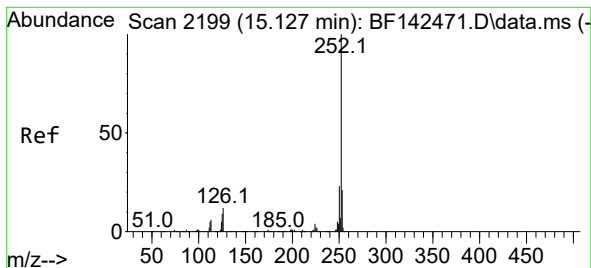
Ion Ratio Lower Upper

276 100

138 22.8 19.9 29.9

277 22.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 12.407 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

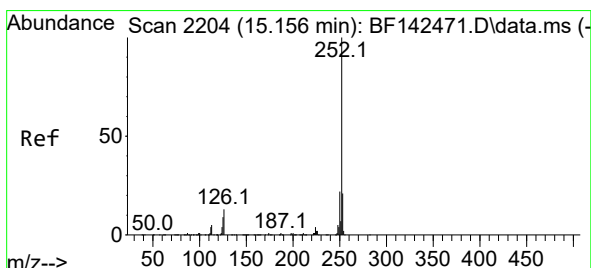
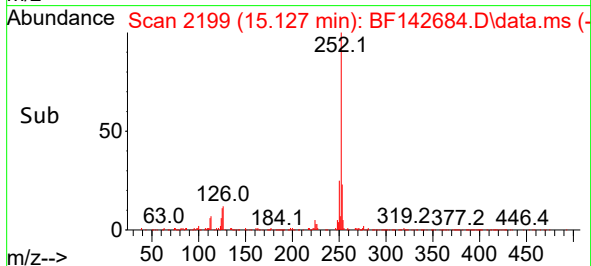
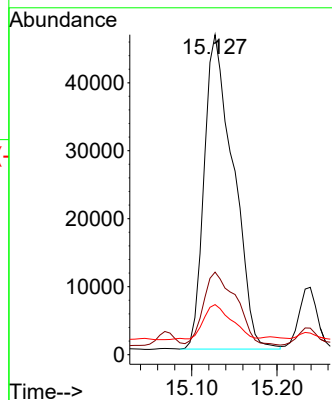
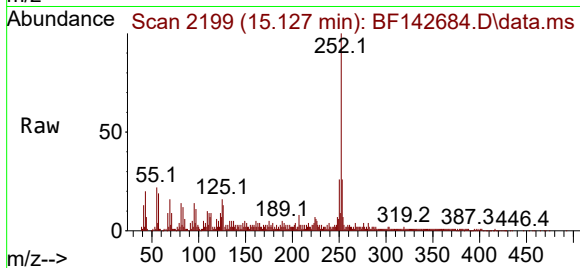
Tgt Ion:252 Resp: 109780

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.4#

125 15.7 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 13.246 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

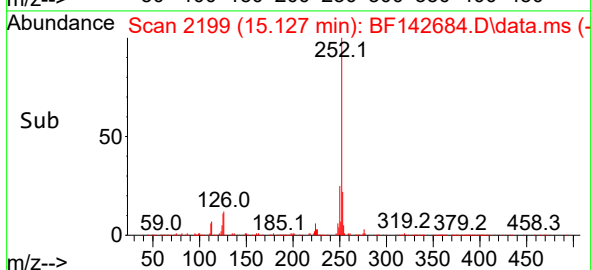
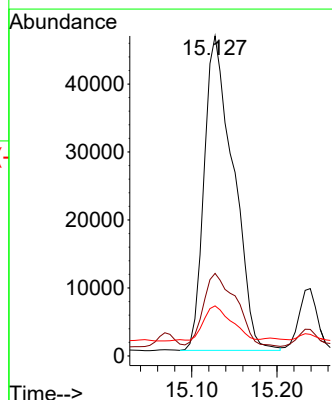
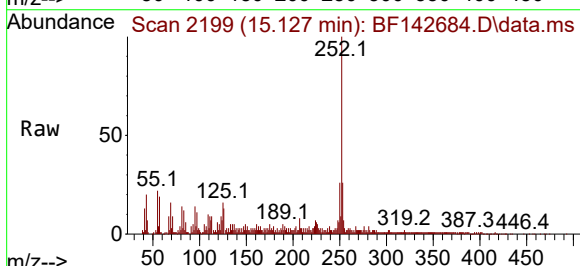
Tgt Ion:252 Resp: 109780

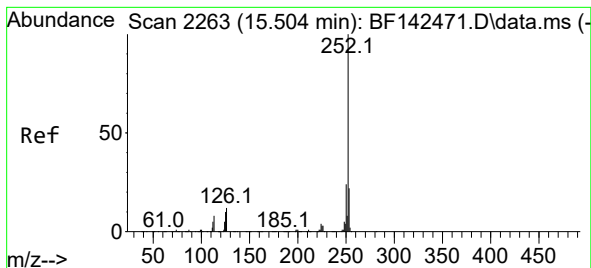
Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.4#

125 15.7 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 7.102 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

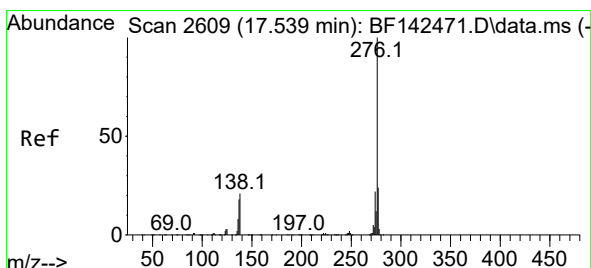
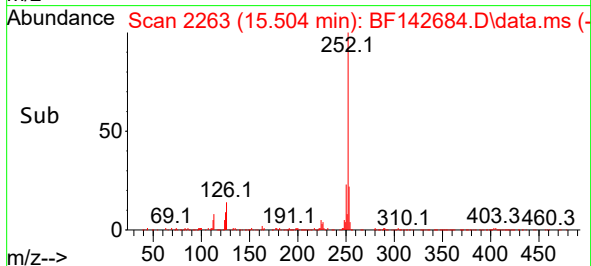
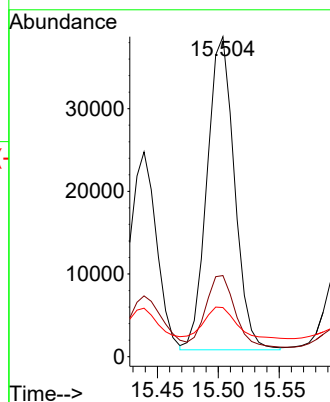
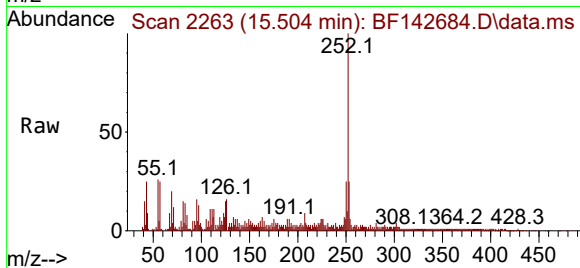
Tgt Ion:252 Resp: 59235

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 15.4 7.9 11.9#



#92

Benzo(g,h,i)perylene

Concen: 3.754 ng

RT: 17.539 min Scan# 2609

Delta R.T. -0.017 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Tgt Ion:276 Resp: 34183

Ion Ratio Lower Upper

276 100

277 28.2 19.2 28.8

138 28.2 16.8 25.2#

