

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142683.D
 Acq On : 07 Jun 2025 10:57
 Operator : RC/JU
 Sample : Q2224-01 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-06042025

Quant Time: Jun 09 01:05:02 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)

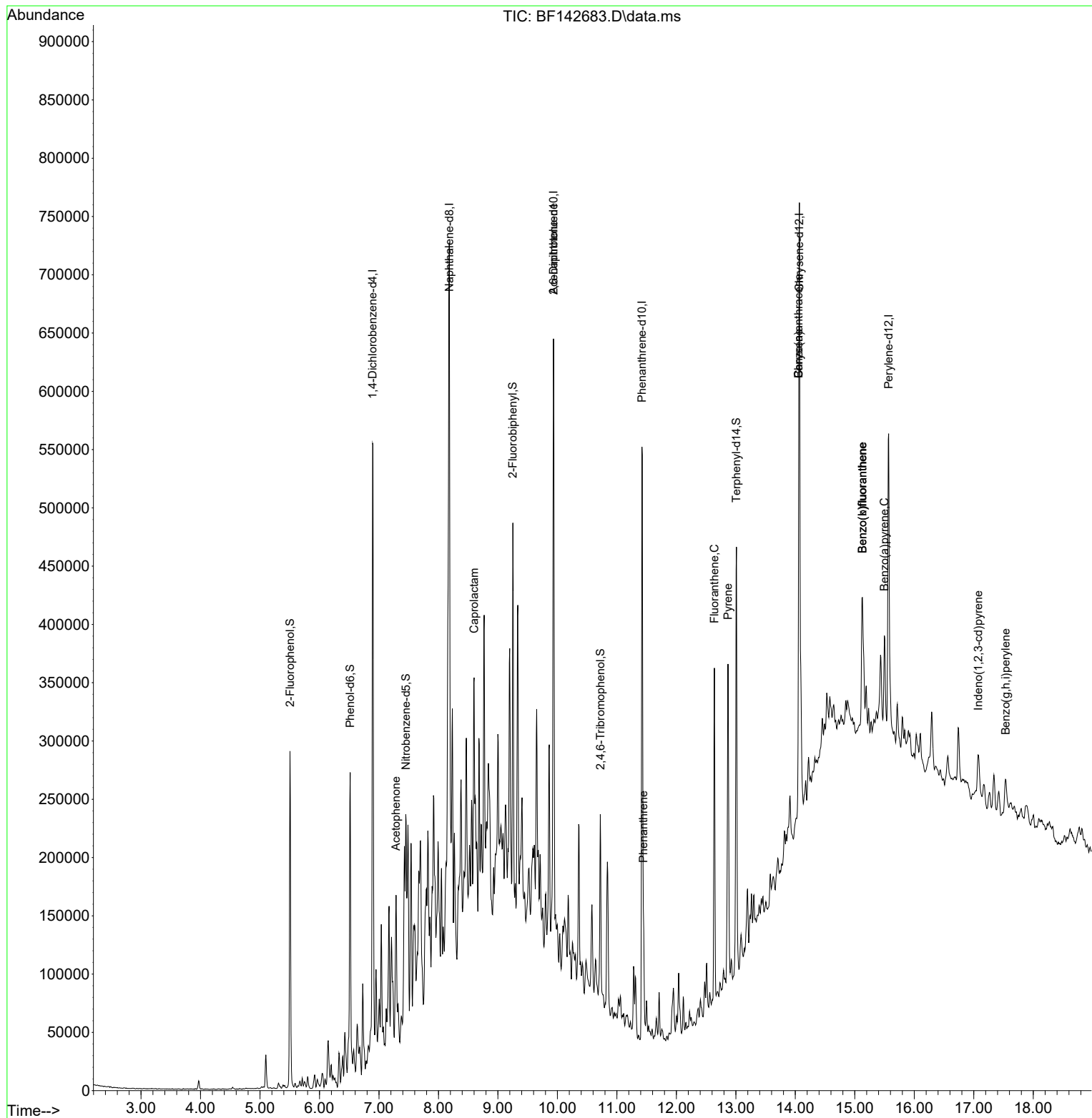
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	109169	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	343201	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	158046	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	280675	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	222975	20.000	ng	0.00
86) Perylene-d12	15.568	264	164448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	113270	17.480	ng	-0.01
7) Phenol-d6	6.516	99	126280	16.189	ng	-0.02
23) Nitrobenzene-d5	7.451	82	72994	11.598	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	28824	16.432	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	151480	12.861	ng	-0.02
79) Terphenyl-d14	13.010	244	184441	11.304	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	7.286	105	24341	3.204	ng	# 51
35) Caprolactam	8.598	113	6350	4.648	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	21153	9.398	ng	# 29
71) Phenanthrene	11.445	178	48041	3.203	ng	99
75) Fluoranthene	12.639	202	169089	12.064	ng	99
78) Pyrene	12.868	202	157159	7.556	ng	98
81) Benzo(a)anthracene	14.057	228	80741	5.423	ng	94
83) Chrysene	14.057	228	80741	6.035	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	30151	2.442	ng	99
88) Benzo(b)fluoranthene	15.127	252	94281	9.687	ng	# 88
89) Benzo(k)fluoranthene	15.127	252	94281	10.343	ng	# 88
90) Benzo(a)pyrene	15.498	252	48859	5.326	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	30826	3.078	ng	# 89

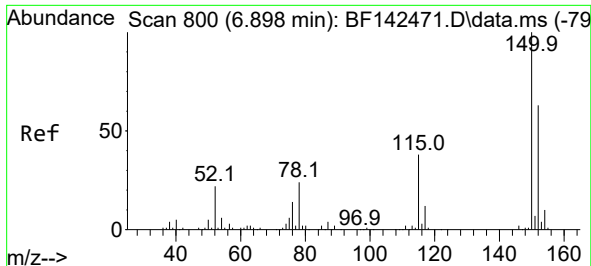
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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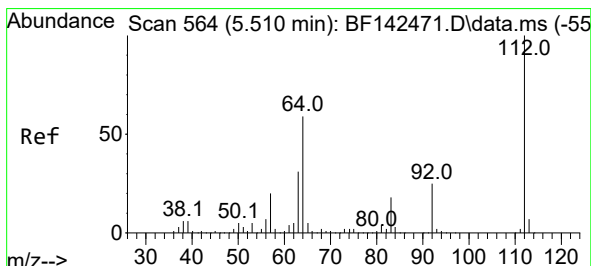
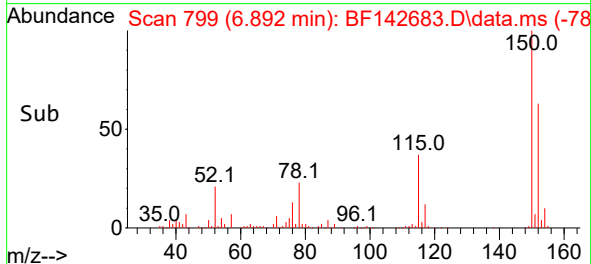
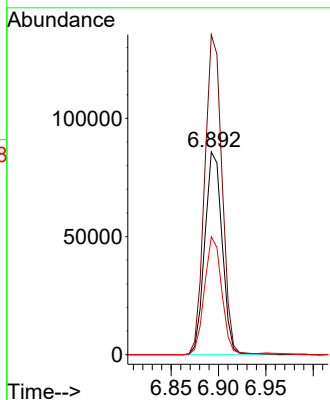
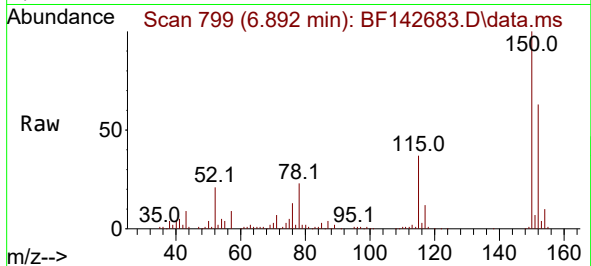




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

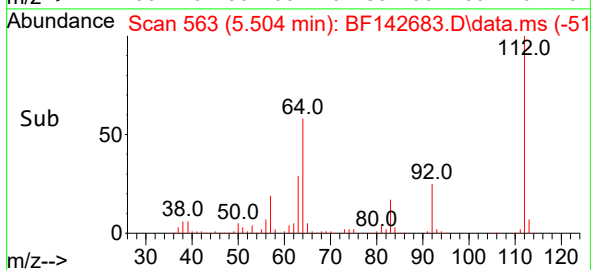
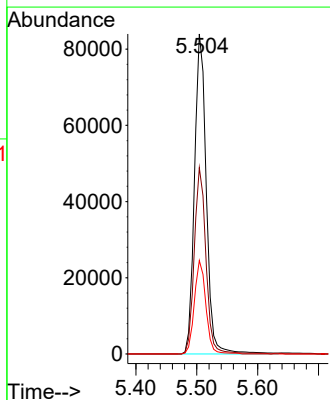
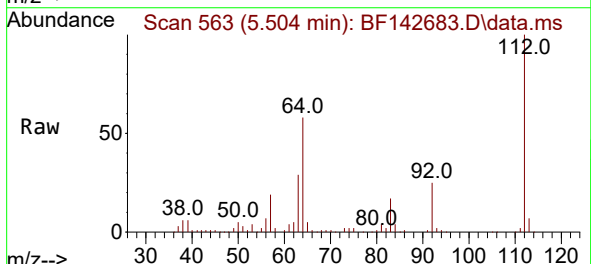
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

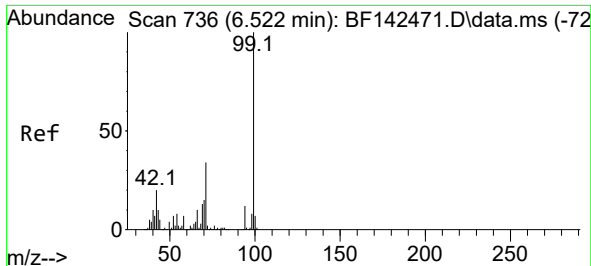
Tgt Ion:152 Resp: 109169
Ion Ratio Lower Upper
152 100
150 157.7 128.2 192.4
115 58.2 48.3 72.5



#5
2-Fluorophenol
Concen: 17.480 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:112 Resp: 113270
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 29.2 24.9 37.3

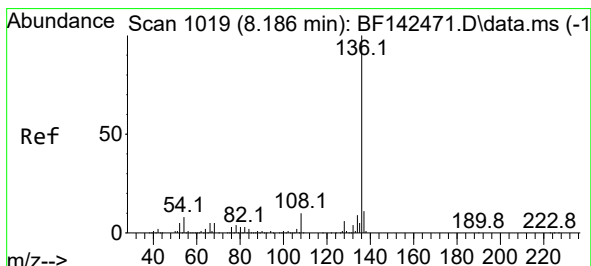
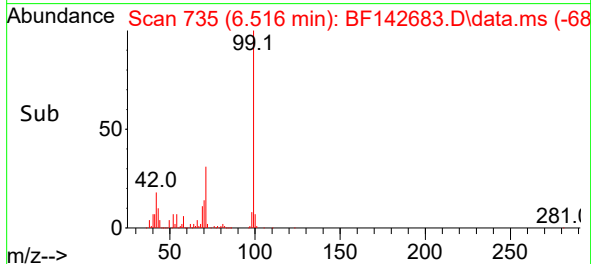
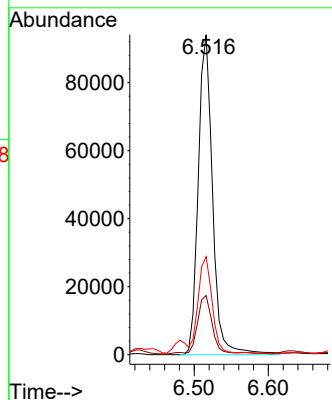
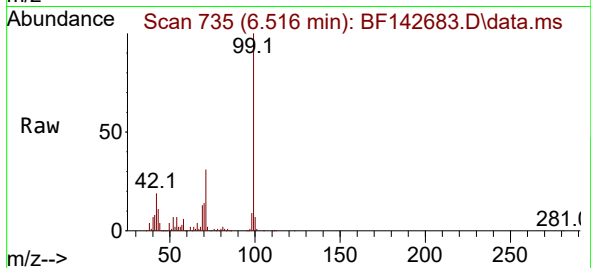




#7
Phenol-d6
Concen: 16.189 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

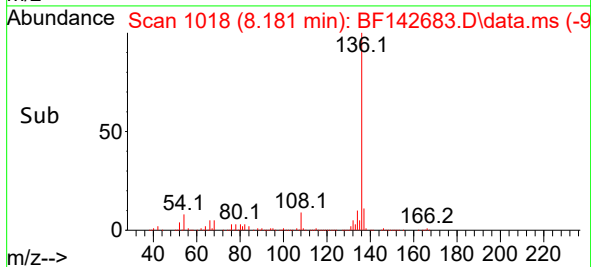
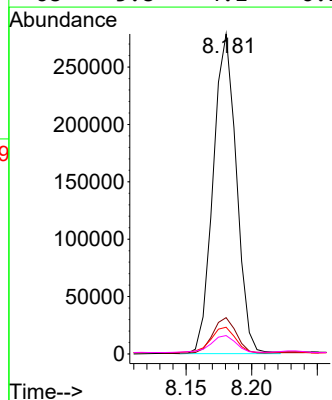
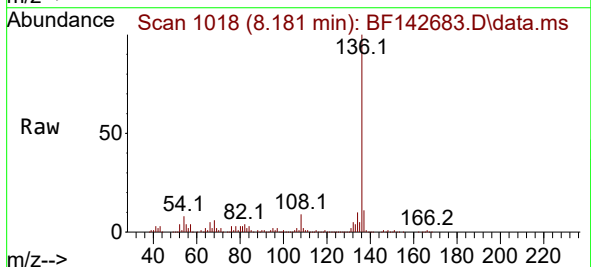
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

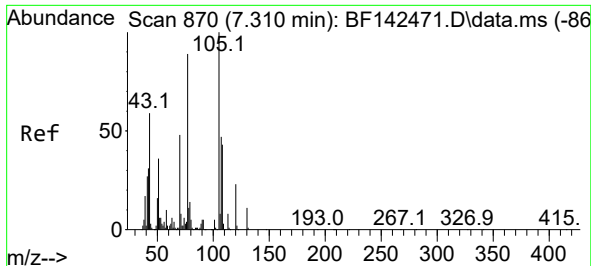
Tgt Ion: 99 Resp: 126280
Ion Ratio Lower Upper
99 100
42 18.5 16.2 24.2
71 30.7 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

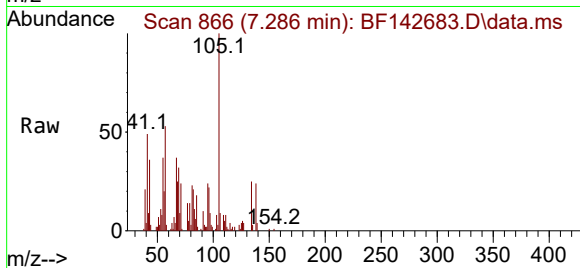
Tgt Ion: 136 Resp: 343201
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.4 6.6 10.0
68 5.8 4.1 6.1



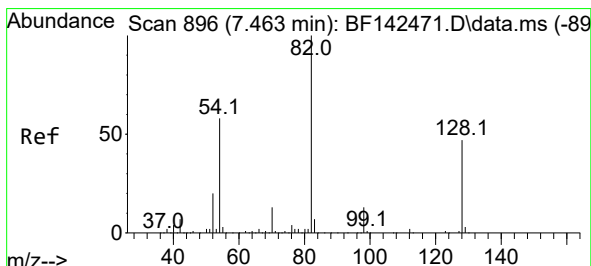
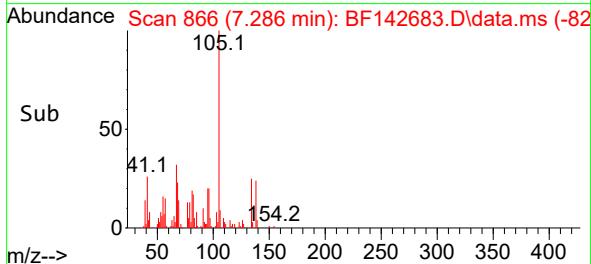
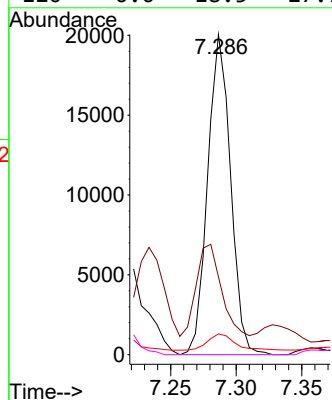


#22
Acetophenone
Concen: 3.204 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.029 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

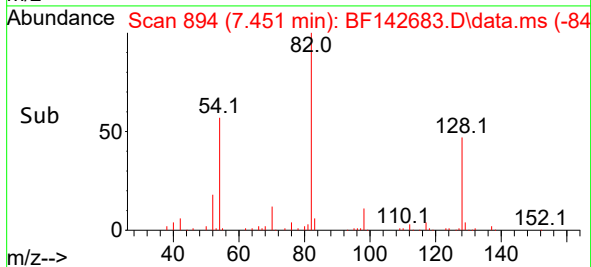
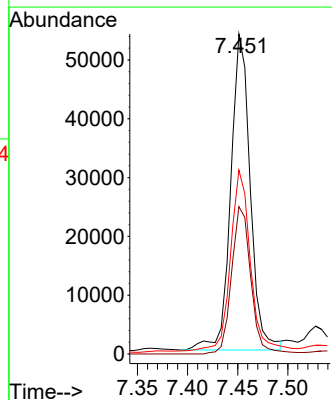
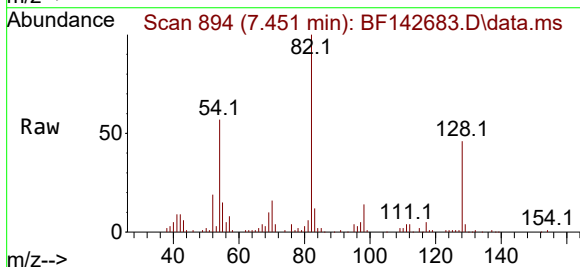


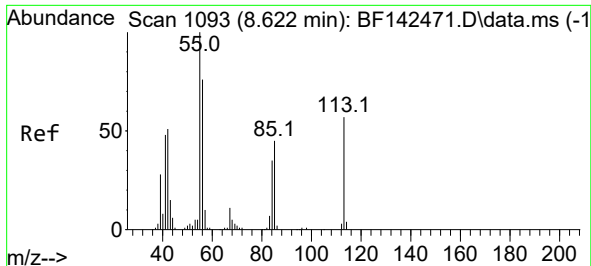
Tgt Ion:105 Resp: 24341
Ion Ratio Lower Upper
105 100
71 24.3 6.4 9.6#
51 6.5 28.6 42.8#
120 0.0 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 11.598 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion: 82 Resp: 72994
Ion Ratio Lower Upper
82 100
128 46.1 37.4 56.2
54 57.5 46.6 70.0

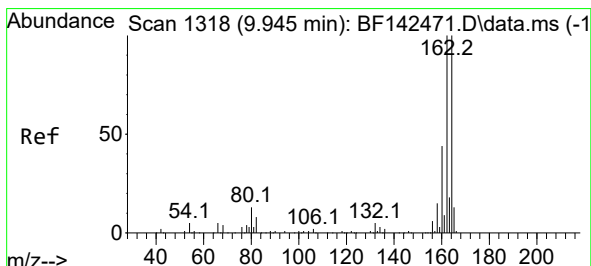
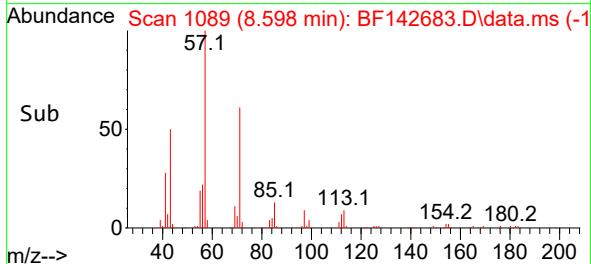
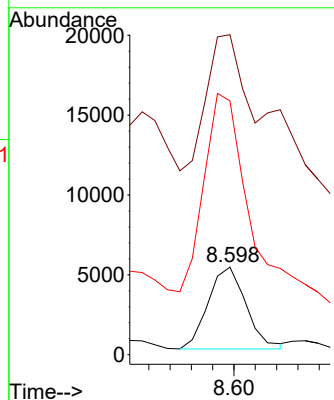
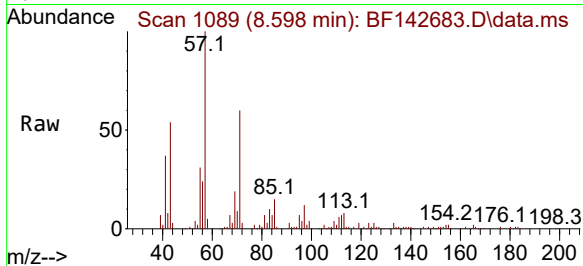




#35
 Caprolactam
 Concen: 4.648 ng
 RT: 8.598 min Scan# 1089
 Delta R.T. -0.047 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

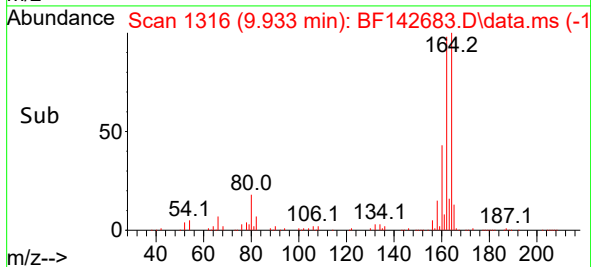
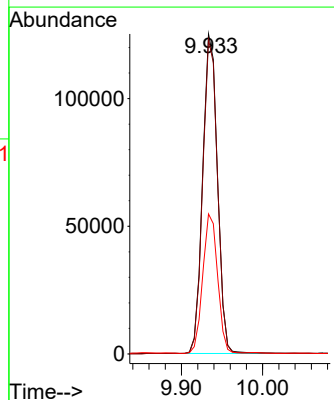
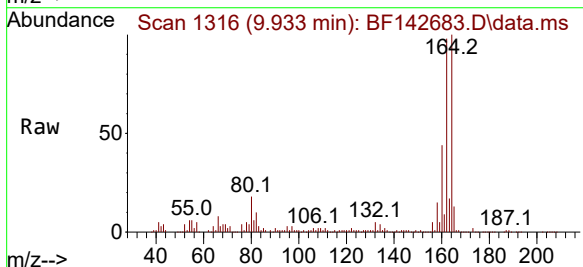
Instrument :
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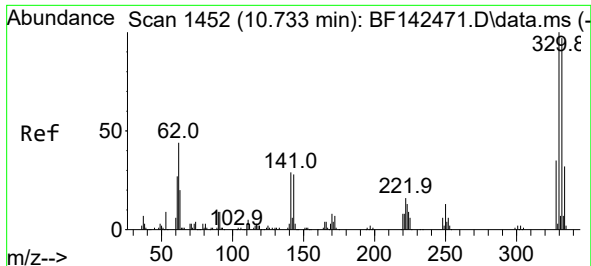
Tgt Ion:113 Resp: 6350
 Ion Ratio Lower Upper
 113 100
 55 365.8 154.7 194.7#
 56 290.2 113.2 153.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.933 min Scan# 1316
 Delta R.T. -0.012 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

Tgt Ion:164 Resp: 158046
 Ion Ratio Lower Upper
 164 100
 162 98.3 80.2 120.4
 160 43.8 35.6 53.4

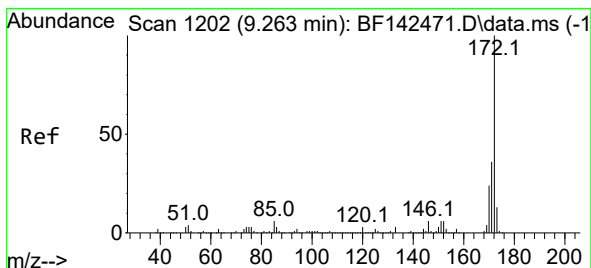
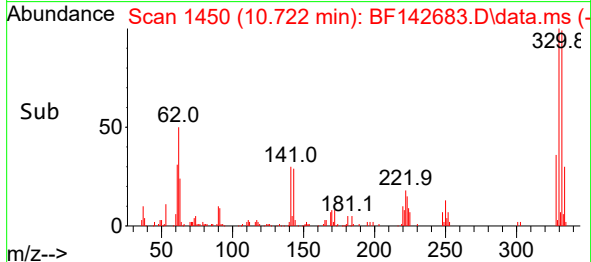
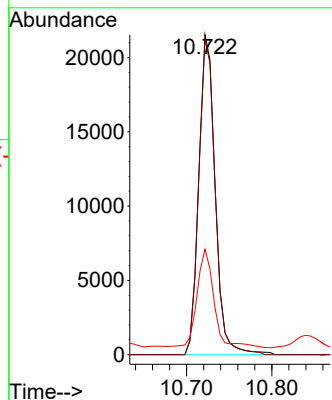
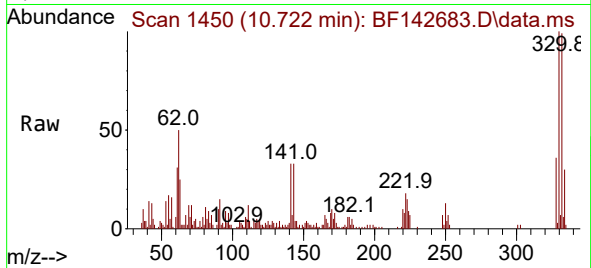




#42
2,4,6-Tribromophenol
Concen: 16.432 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

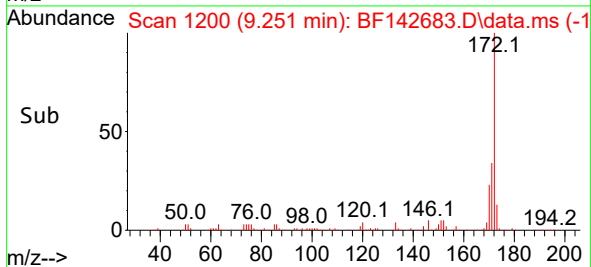
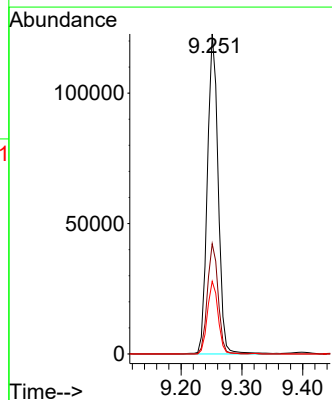
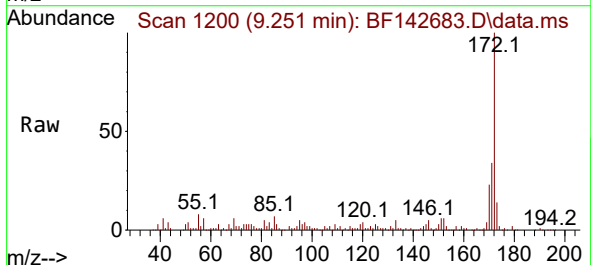
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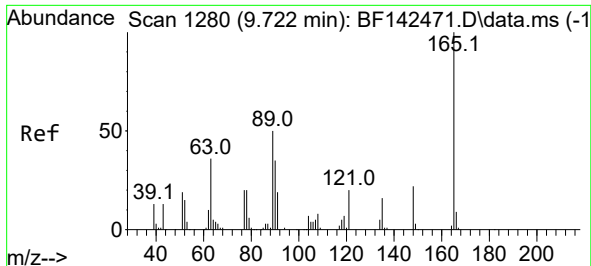
Tgt Ion: 330 Resp: 28824
Ion Ratio Lower Upper
330 100
332 98.8 77.6 116.4
141 32.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 12.861 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion: 172 Resp: 151480
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 22.7 18.9 28.3

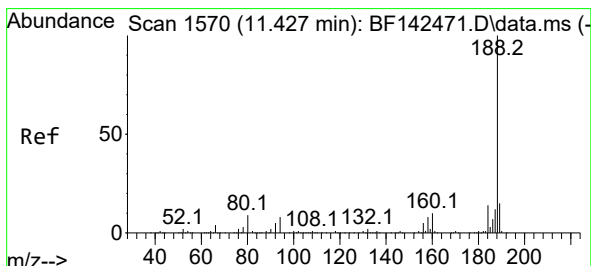
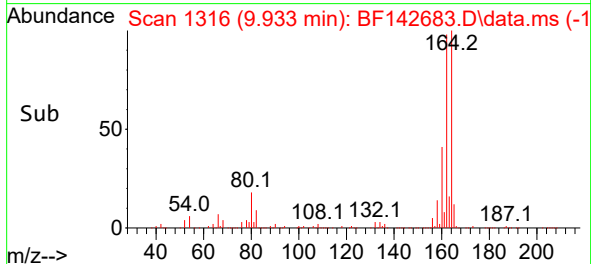
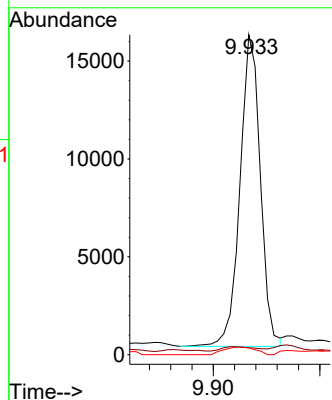
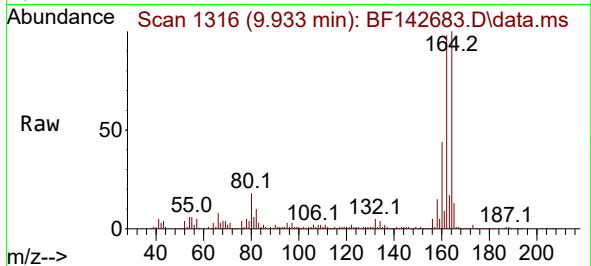




#51
2,6-Dinitrotoluene
Concen: 9.398 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

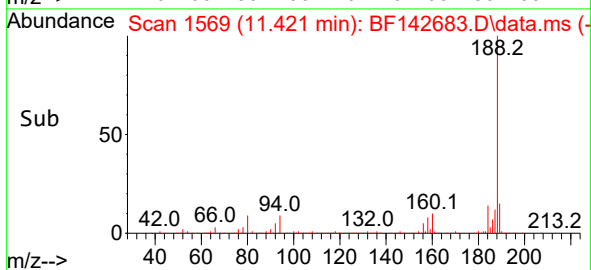
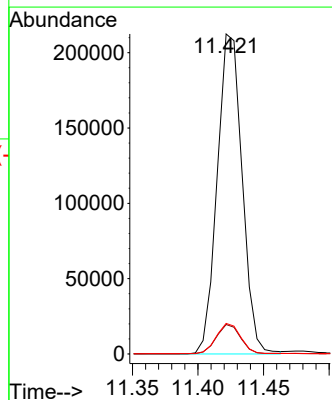
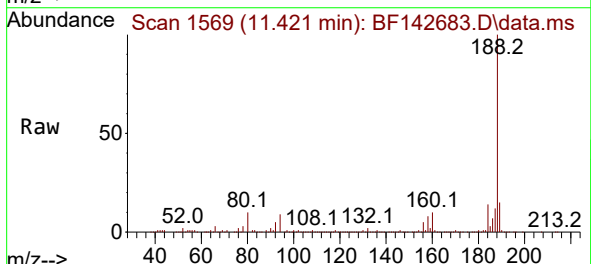
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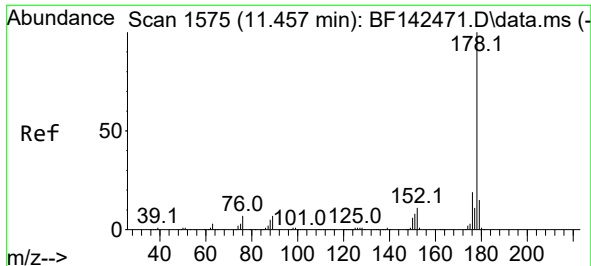
Tgt Ion:165 Resp: 21153
Ion Ratio Lower Upper
165 100
63 2.2 42.9 64.3#
89 2.1 40.2 60.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:188 Resp: 280675
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.6 7.4 11.0

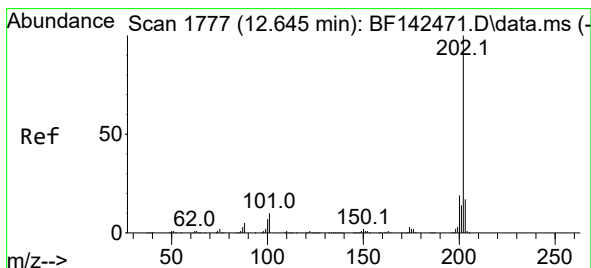
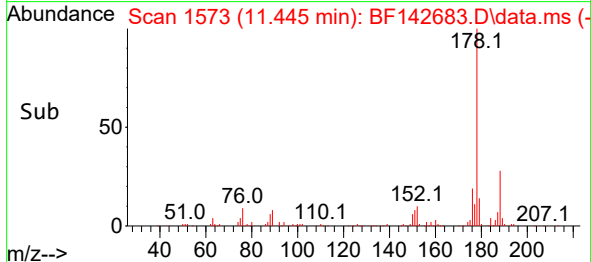
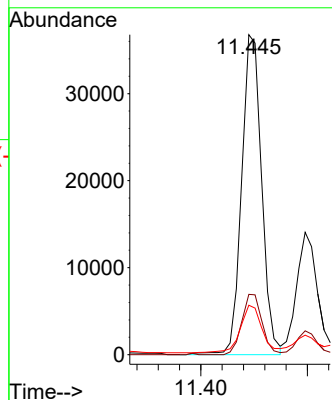
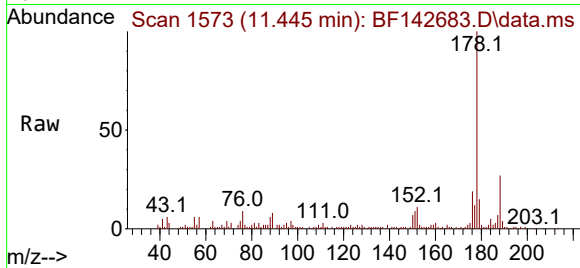




#71
Phenanthrene
Concen: 3.203 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

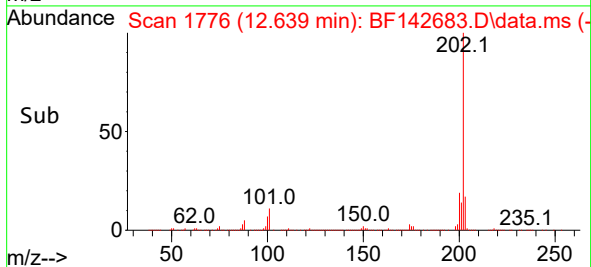
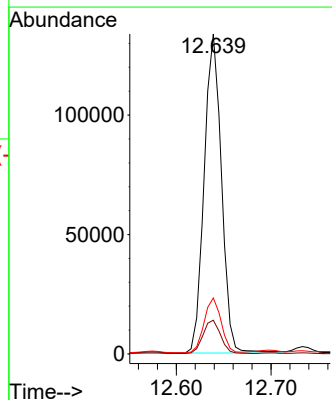
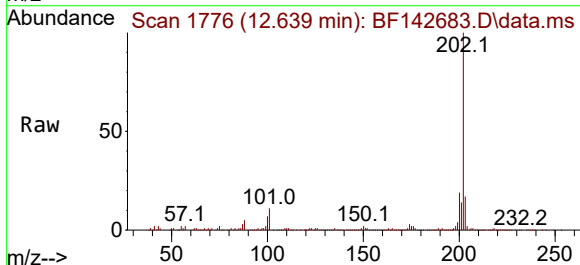
Instrument :
BNA_F
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EO-01-06042025

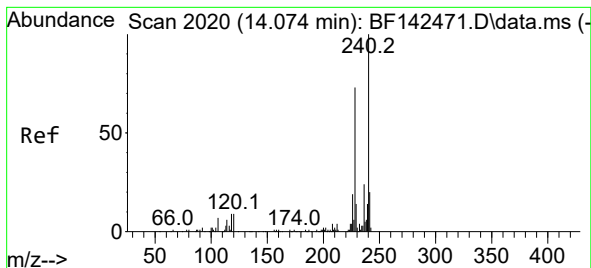
Tgt Ion:178 Resp: 48041
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.5 12.3 18.5



#75
Fluoranthene
Concen: 12.064 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:202 Resp: 169089
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.6
203 17.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025

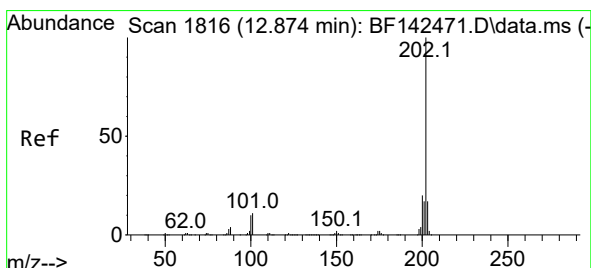
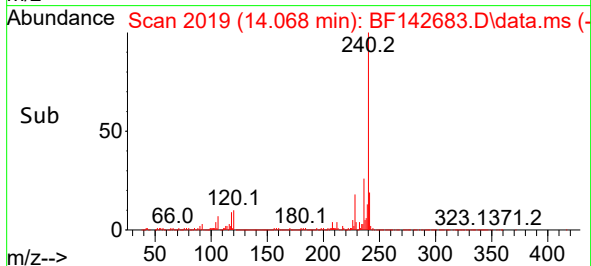
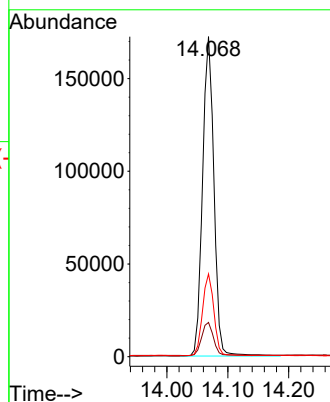
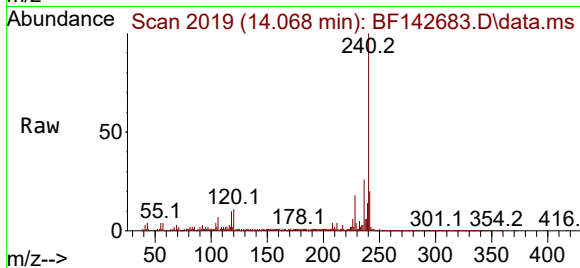
Tgt Ion:240 Resp: 222975

Ion Ratio Lower Upper

240 100

120 10.7 7.5 11.3

236 25.9 19.6 29.4



#78

Pyrene

Concen: 7.556 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

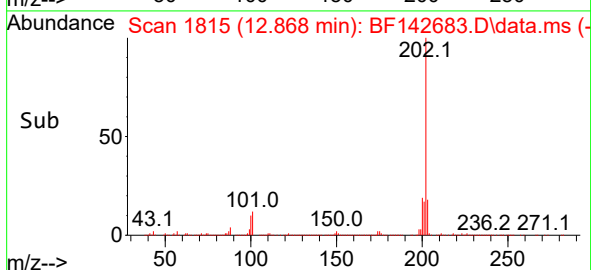
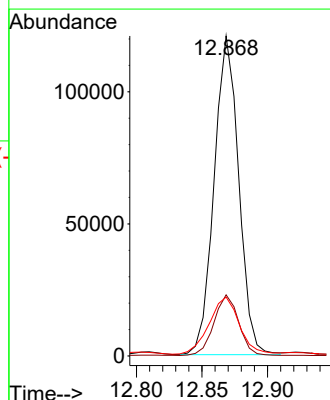
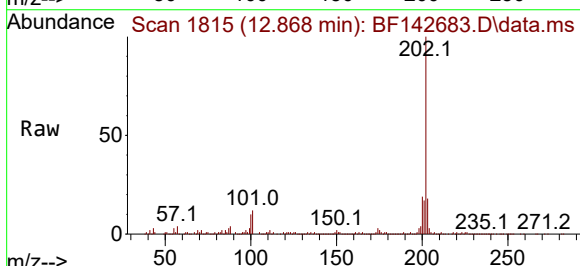
Tgt Ion:202 Resp: 157159

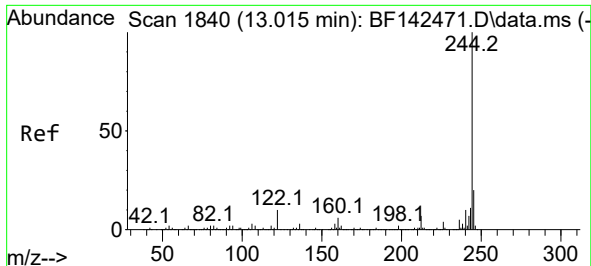
Ion Ratio Lower Upper

202 100

200 19.1 16.1 24.1

203 18.4 13.9 20.9

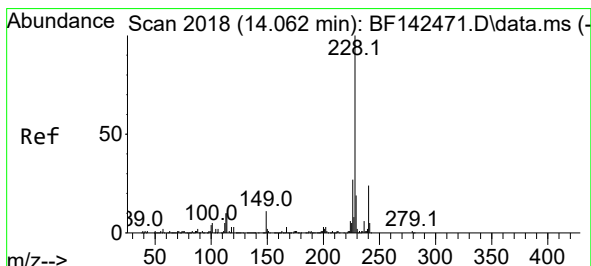
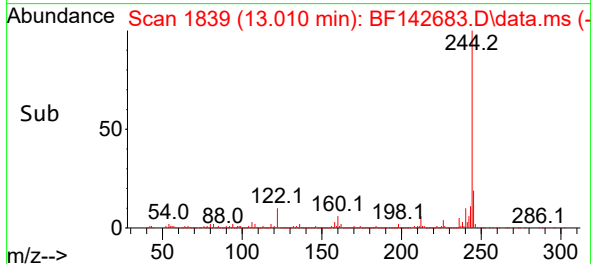
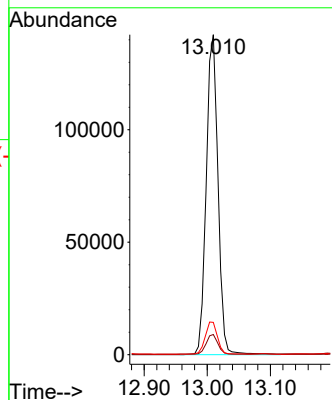
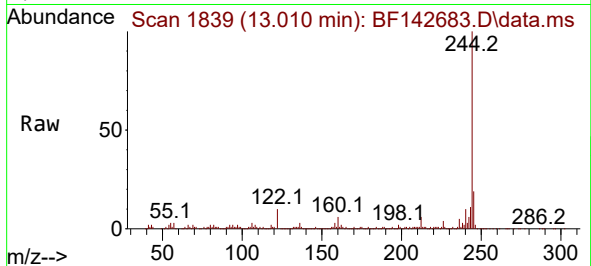




#79
 Terphenyl-d14
 Concen: 11.304 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

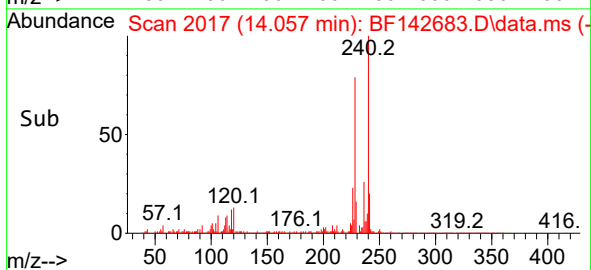
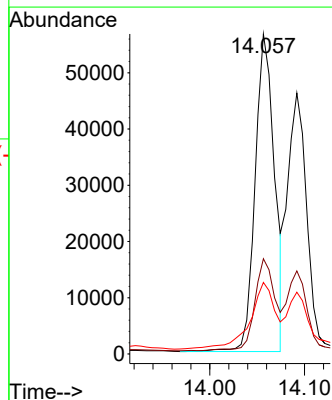
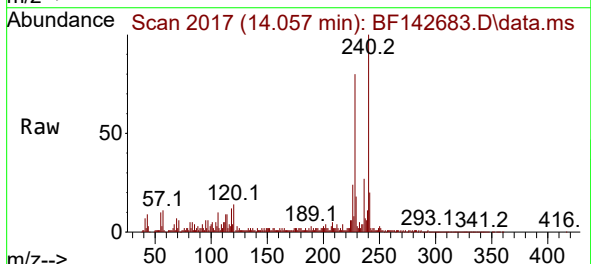
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-06042025

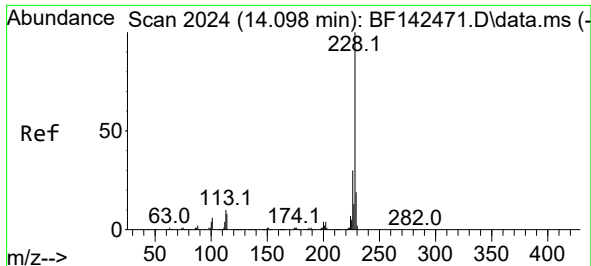
Tgt Ion:244 Resp: 184441
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.1 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 5.423 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

Tgt Ion:228 Resp: 80741
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.2 31.8
 229 22.4 15.5 23.3

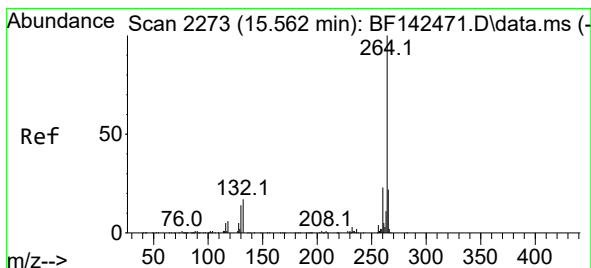
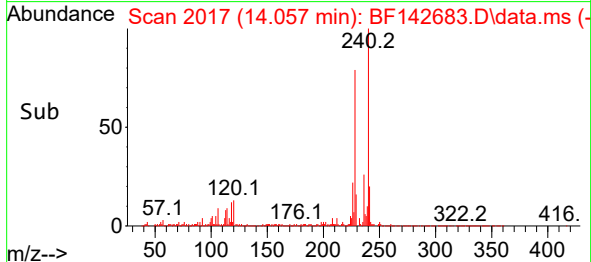
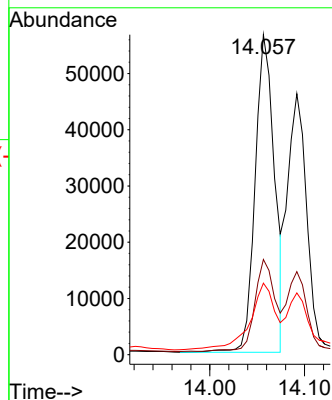
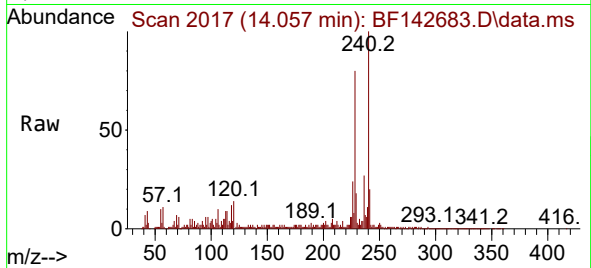




#83
Chrysene
Concen: 6.035 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

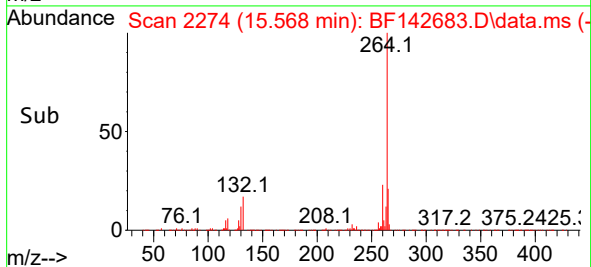
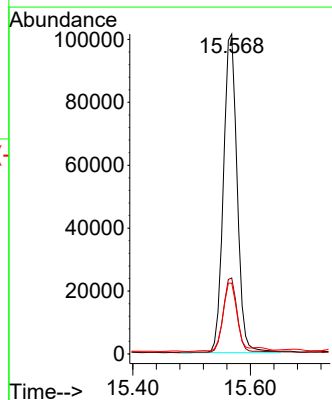
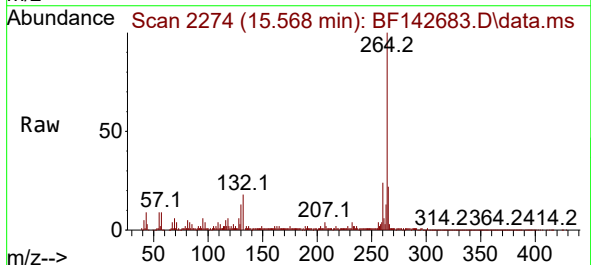
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

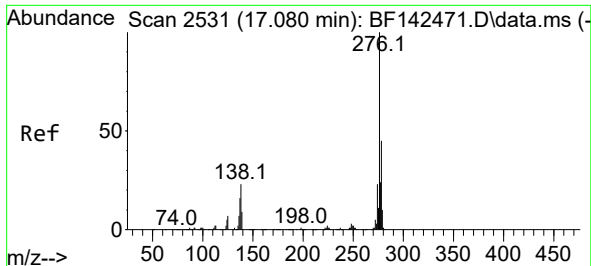
Tgt Ion:228 Resp: 80741
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.4 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:264 Resp: 164448
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.2 17.7 26.5

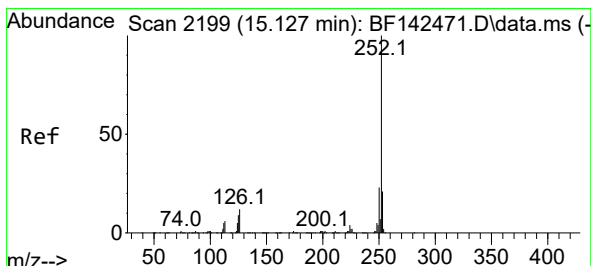
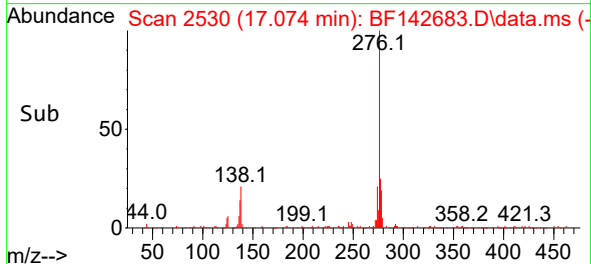
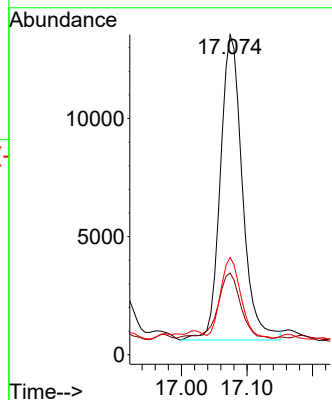
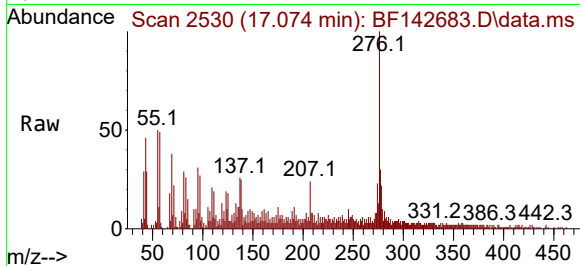




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.442 ng
 RT: 17.074 min Scan# 2199
 Delta R.T. -0.018 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

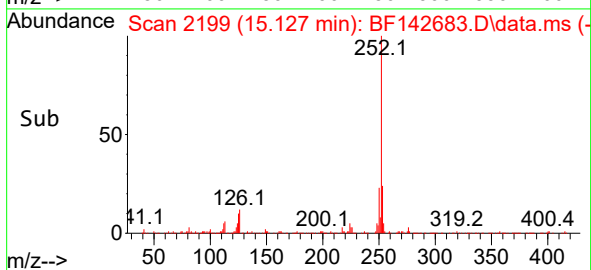
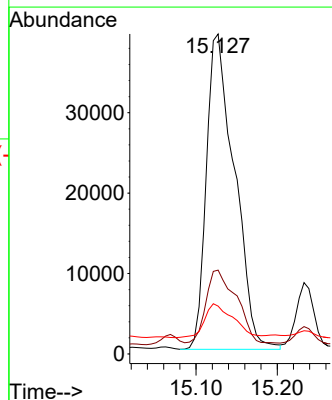
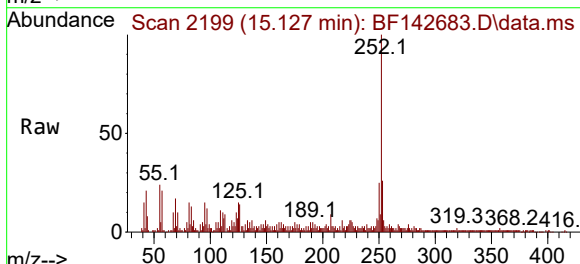
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-06042025

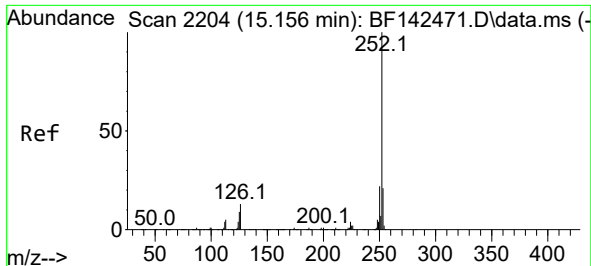
Tgt Ion:	276	Resp:	30151
Ion Ratio	Lower	Upper	
276	100		
138	23.8	19.9	29.9
277	25.0	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 9.687 ng
 RT: 15.127 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF142683.D
 Acq: 07 Jun 2025 10:57

Tgt Ion:	252	Resp:	94281
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.0	25.4#
125	14.9	7.4	11.0#

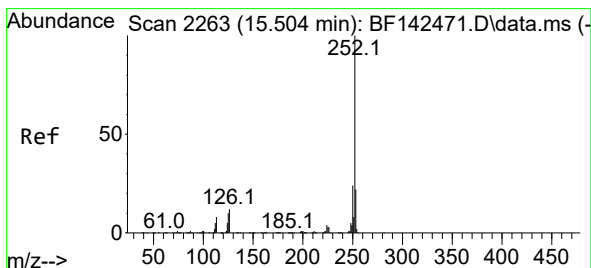
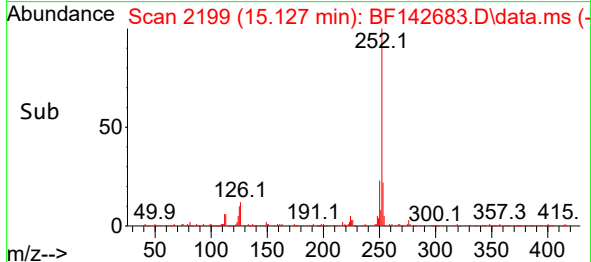
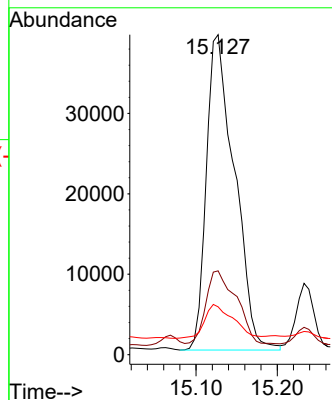
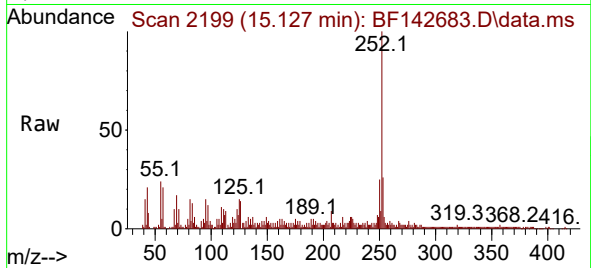




#89
Benzo(k)fluoranthene
Concen: 10.343 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

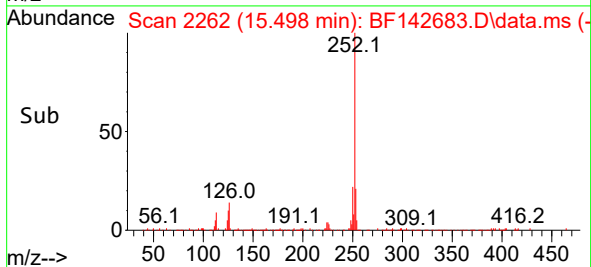
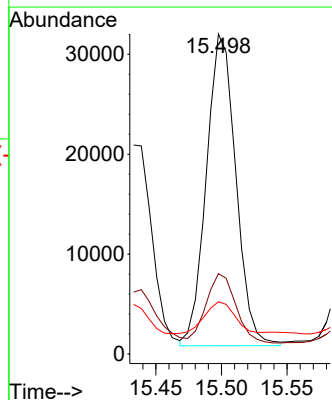
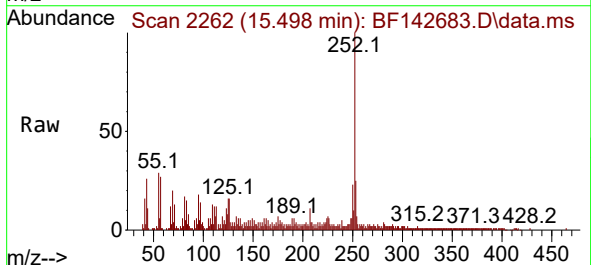
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

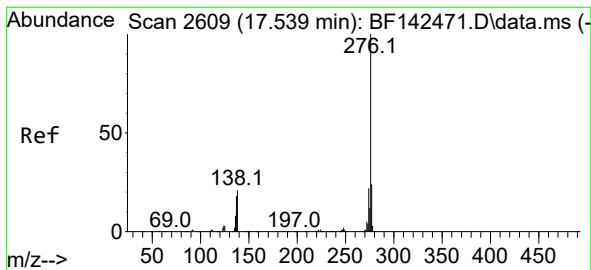
Tgt Ion:252 Resp: 94281
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.4#
125 14.9 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 5.326 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:252 Resp: 48859
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 16.3 7.9 11.9#





#92

Benzo(g,h,i)perylene

Concen: 3.078 ng

RT: 17.539 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF142683.D

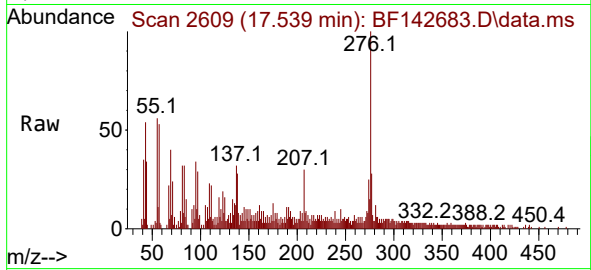
Acq: 07 Jun 2025 10:57

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025



Tgt Ion:276 Resp: 30826

Ion Ratio Lower Upper

276 100

277 28.1 19.2 28.8

138 27.6 16.8 25.2#

