

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143011.D
 Acq On : 07 Jul 2025 16:18
 Operator : RC/JU
 Sample : Q2491-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-1-070225

Quant Time: Jul 07 16:40:31 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)

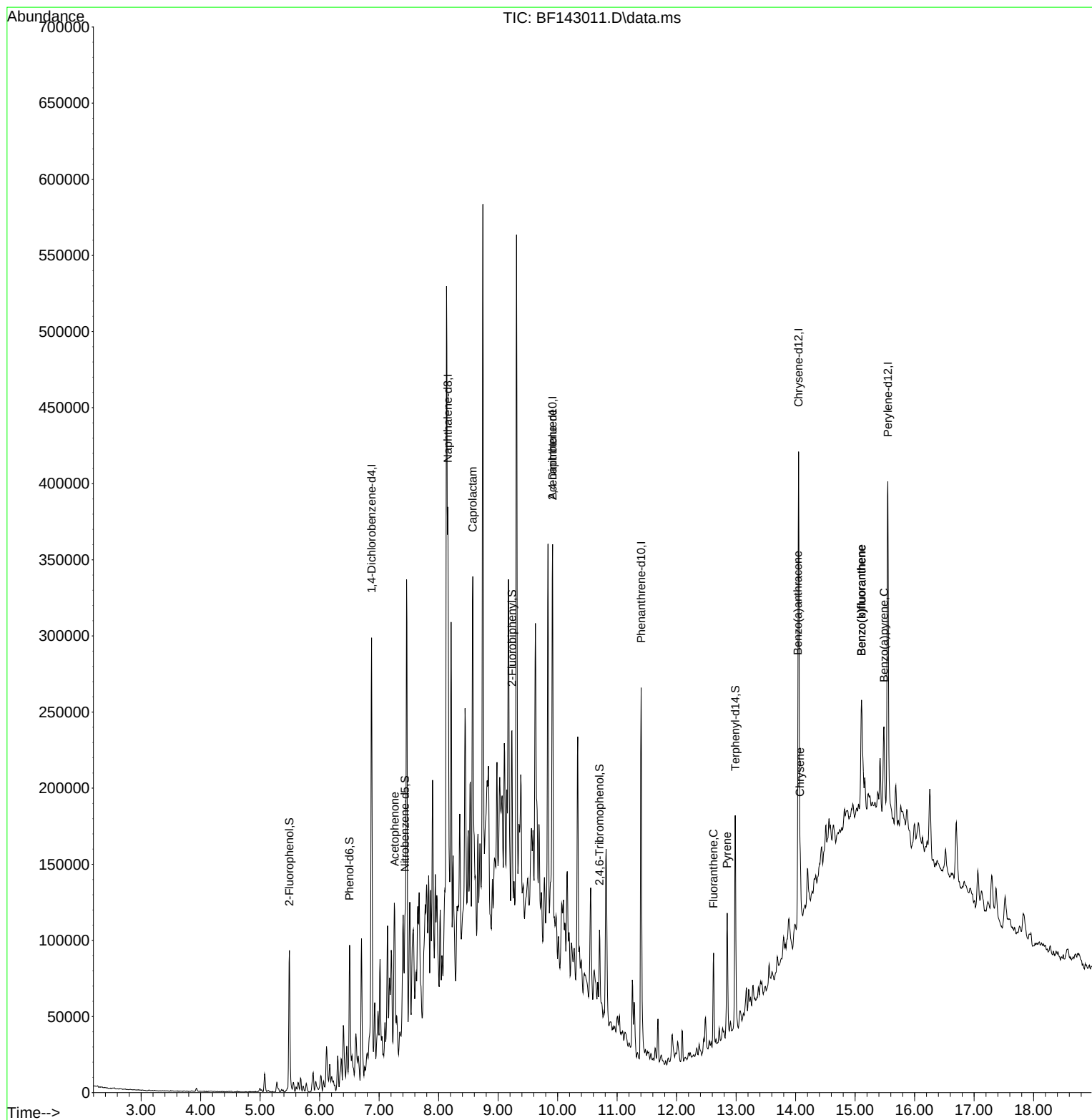
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49471	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	166475	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	75243	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	124341	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132565	20.000	ng	0.00
86) Perylene-d12	15.551	264	120495	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	40776	13.723	ng	0.00
7) Phenol-d6	6.504	99	46087	13.147	ng	0.00
23) Nitrobenzene-d5	7.434	82	27805	9.161	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	9525	12.301	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	57660	10.067	ng	-0.01
79) Terphenyl-d14	12.986	244	63015	6.568	ng	-0.01
Target Compounds						
						Qvalue
22) Acetophenone	7.263	105	10870	2.961	ng	# 41
35) Caprolactam	8.575	113	8044	12.970	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	10740	7.559	ng	# 28
75) Fluoranthene	12.621	202	33211	5.195	ng	99
78) Pyrene	12.851	202	38231	3.077	ng	98
81) Benzo(a)anthracene	14.039	228	31015	3.468	ng	# 88
83) Chrysene	14.074	228	27066	3.392	ng	# 91
88) Benzo(b)fluoranthene	15.110	252	58180	8.344	ng	# 88
89) Benzo(k)fluoranthene	15.110	252	58180	8.919	ng	# 87
90) Benzo(a)pyrene	15.486	252	29454	4.373	ng	# 90

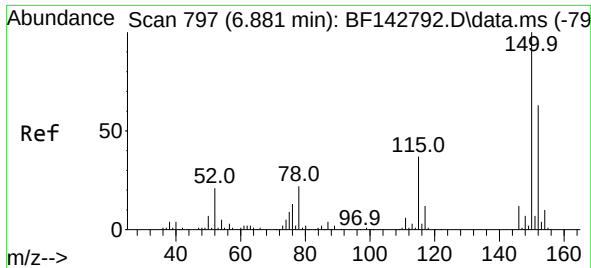
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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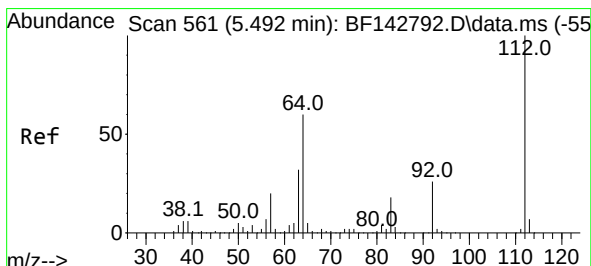
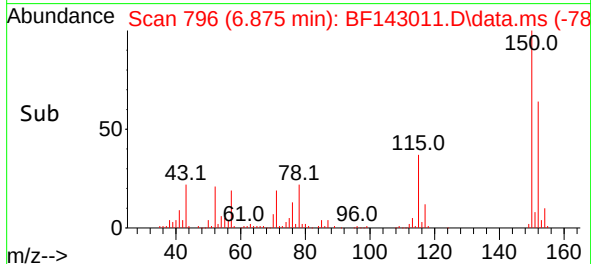
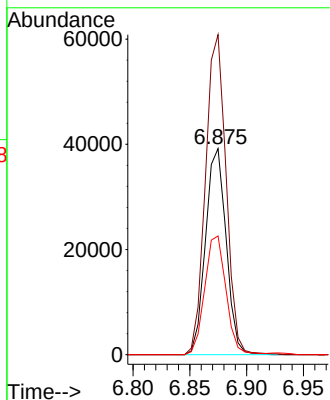
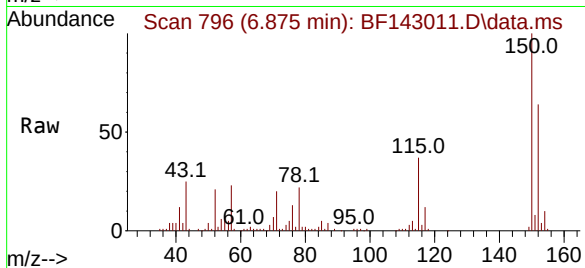




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143011.D
 Acq: 07 Jul 2025 16:18

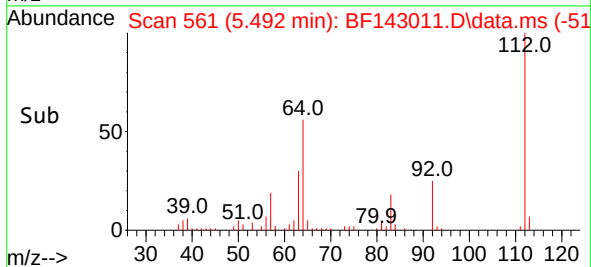
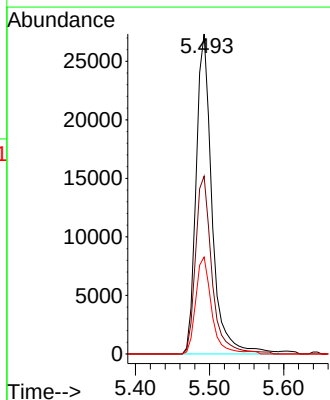
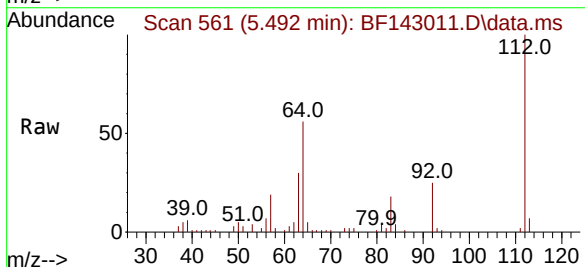
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-070225

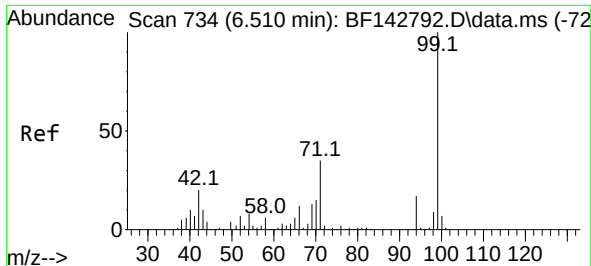
Tgt Ion:152 Resp: 49471
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.2 190.8
 115 57.6 46.6 69.8



#5
 2-Fluorophenol
 Concen: 13.723 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF143011.D
 Acq: 07 Jul 2025 16:18

Tgt Ion:112 Resp: 40776
 Ion Ratio Lower Upper
 112 100
 64 55.6 48.2 72.2
 63 30.3 25.7 38.5

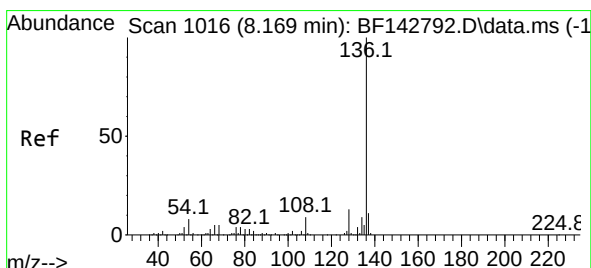
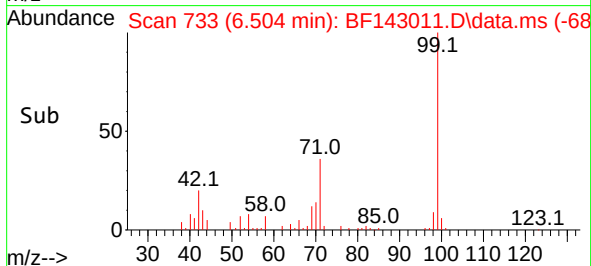
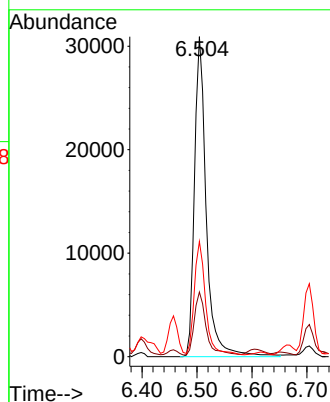
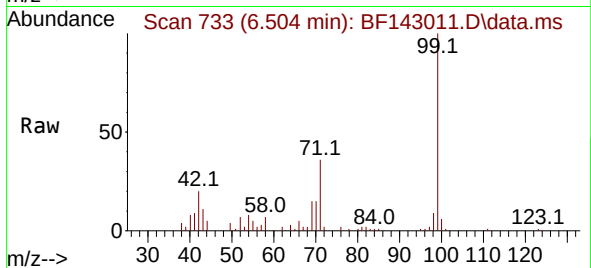




#7
Phenol-d6
Concen: 13.147 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

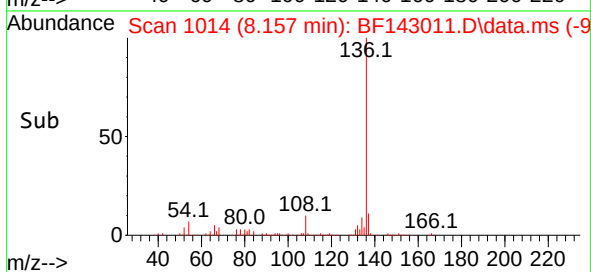
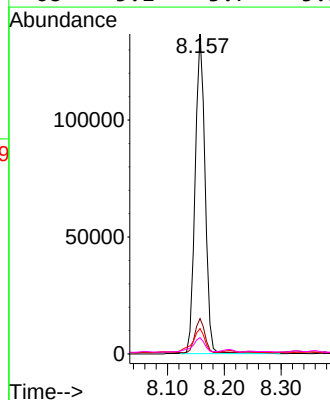
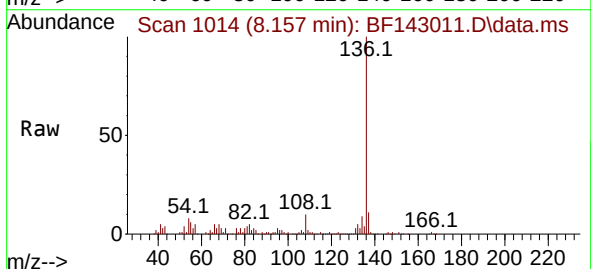
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

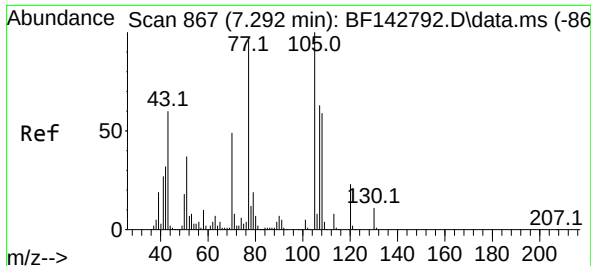
Tgt Ion:	99	Resp:	46087
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	36.0	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

Tgt Ion:	136	Resp:	166475
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	8.0	6.3	9.5
68	5.1	3.7	5.5

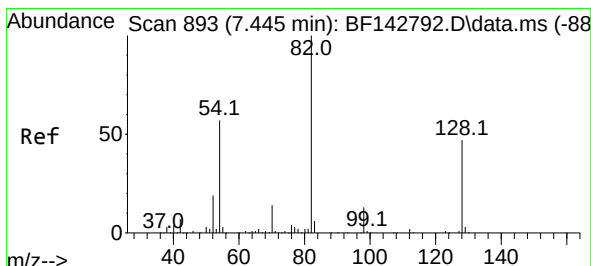
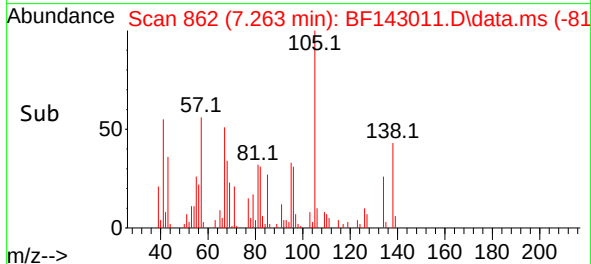
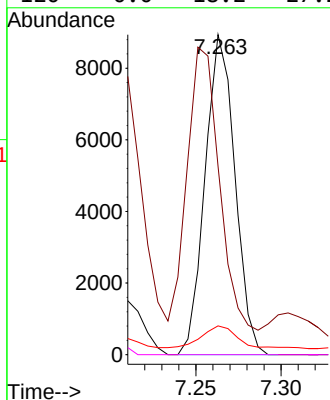
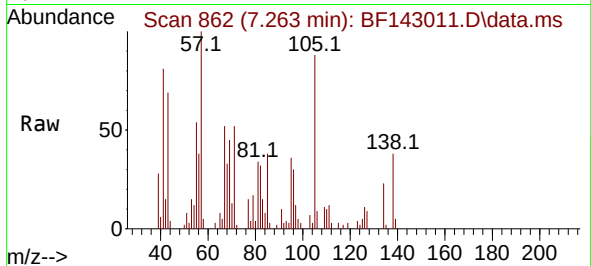




#22
Acetophenone
Concen: 2.961 ng
RT: 7.263 min Scan# 810
Delta R.T. -0.029 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

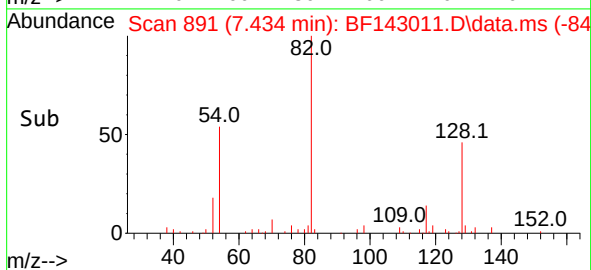
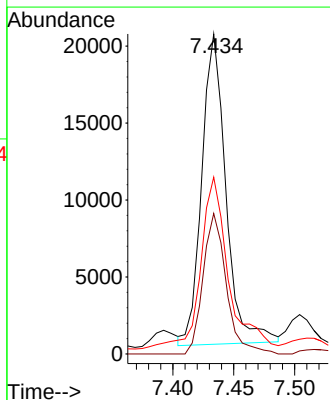
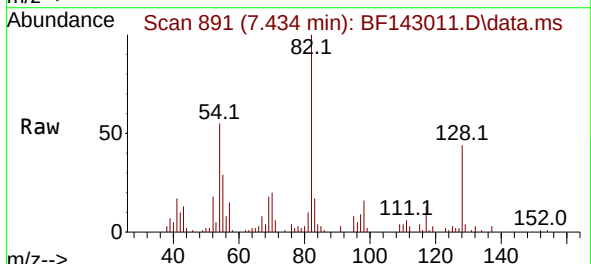
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

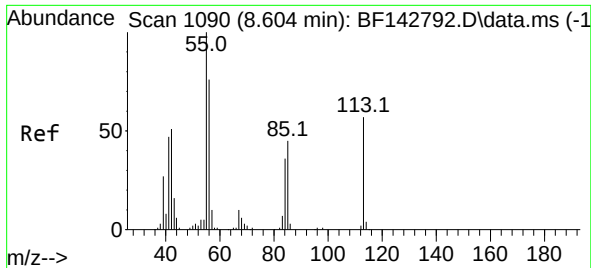
Tgt Ion:105 Resp: 10870
Ion Ratio Lower Upper
105 100
71 58.9 6.5 9.7#
51 9.0 29.8 44.8#
120 0.0 18.2 27.2#



#23
Nitrobenzene-d5
Concen: 9.161 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

Tgt Ion: 82 Resp: 27805
Ion Ratio Lower Upper
82 100
128 43.9 37.7 56.5
54 55.2 45.7 68.5

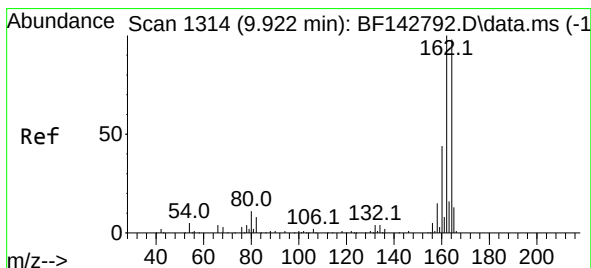
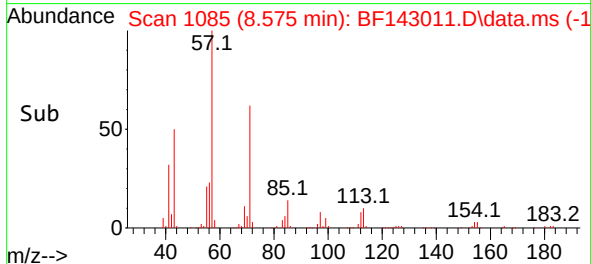
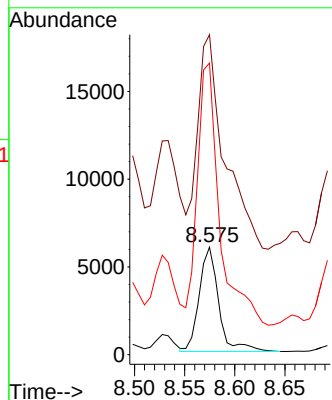
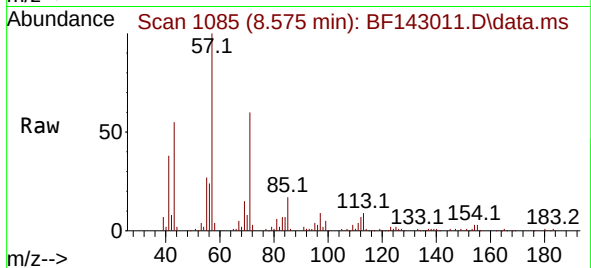




#35
 Caprolactam
 Concen: 12.970 ng
 RT: 8.575 min Scan# 1085
 Delta R.T. -0.029 min
 Lab File: BF143011.D
 Acq: 07 Jul 2025 16:18

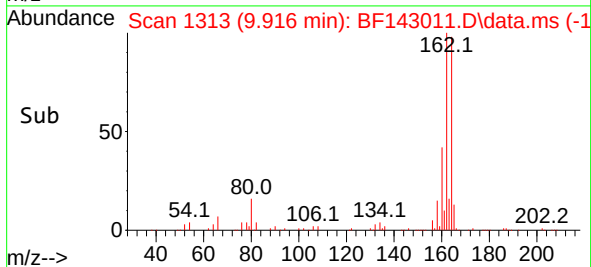
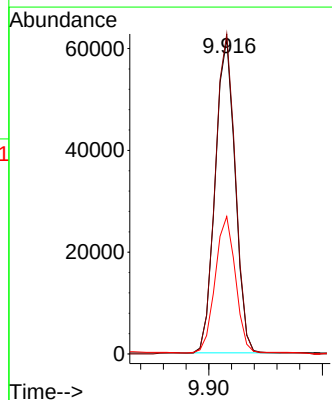
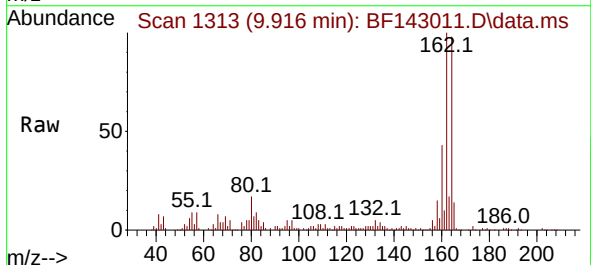
Instrument :
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 ClientSampleId :
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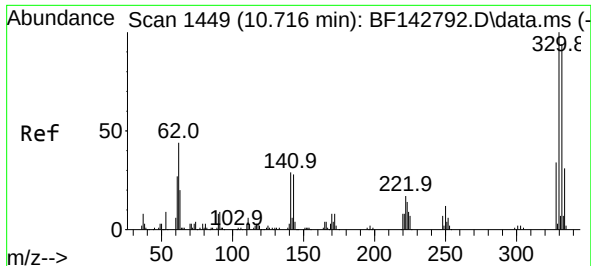
Tgt Ion:113 Resp: 8044
 Ion Ratio Lower Upper
 113 100
 55 297.4 154.4 194.4#
 56 271.1 112.1 152.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: BF143011.D
 Acq: 07 Jul 2025 16:18

Tgt Ion:164 Resp: 75243
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.8 122.8
 160 43.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 12.301 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143011.D

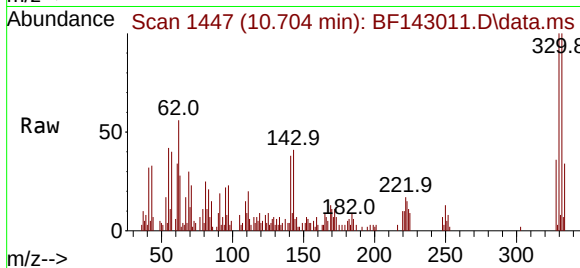
Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225



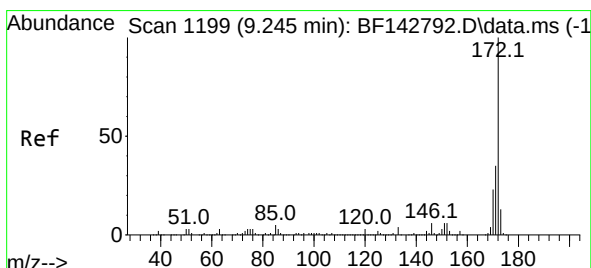
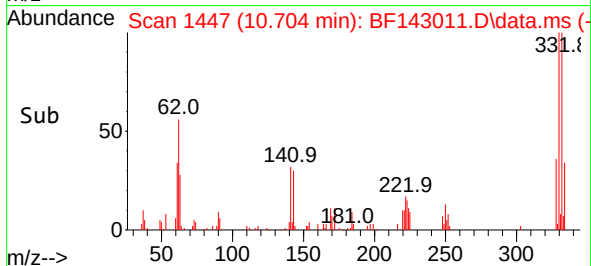
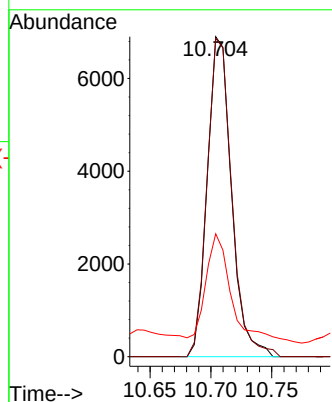
Tgt Ion:330 Resp: 9525

Ion Ratio Lower Upper

330 100

332 101.5 75.0 112.6

141 36.6 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 10.067 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

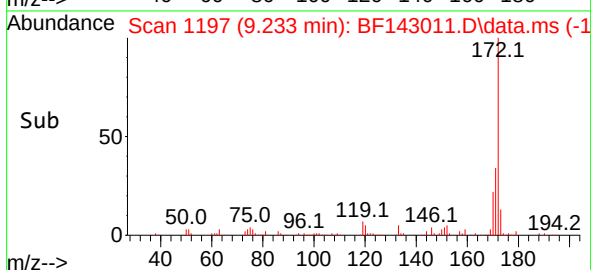
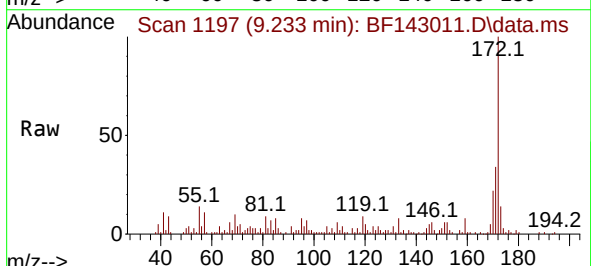
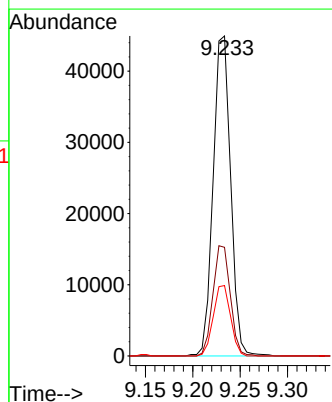
Tgt Ion:172 Resp: 57660

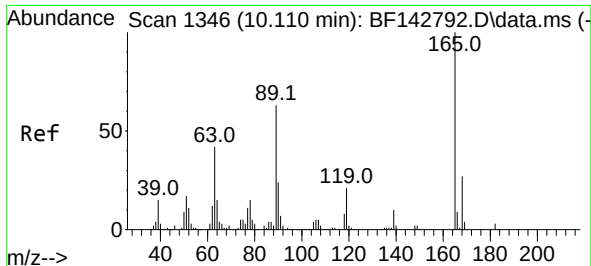
Ion Ratio Lower Upper

172 100

171 34.0 28.2 42.4

170 22.0 18.5 27.7

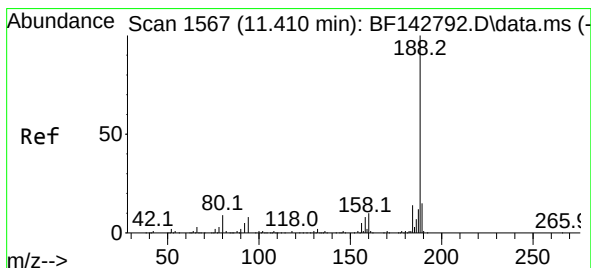
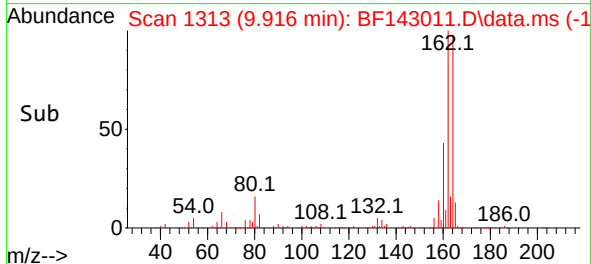
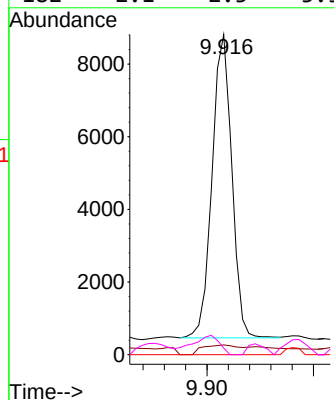
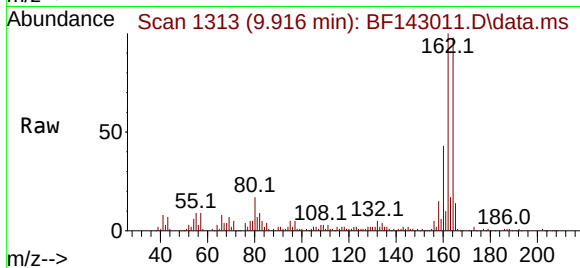




#57
2,4-Dinitrotoluene
Concen: 7.559 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

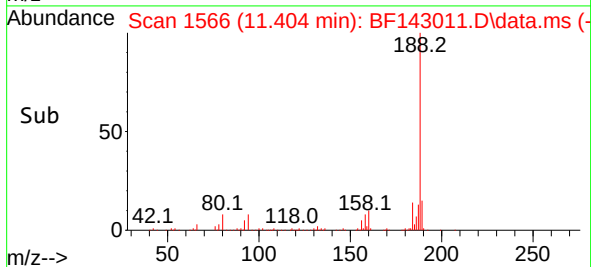
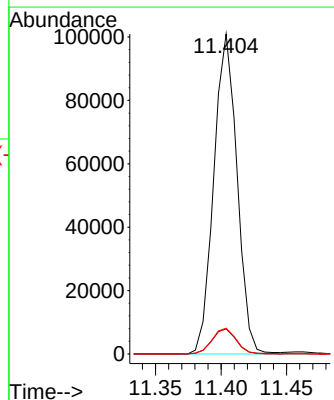
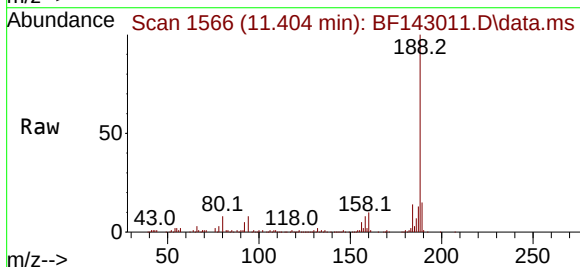
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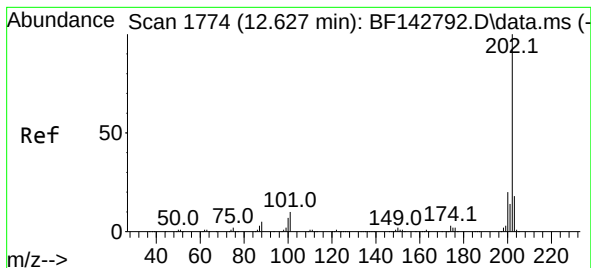
Tgt Ion:165	Resp:	10740
Ion Ratio	Lower	Upper
165	100	
63	3.0	33.9 50.9#
89	0.0	50.6 75.8#
182	2.1	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

Tgt Ion:188	Resp:	124341
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.7 10.1
80	8.1	6.9 10.3





#75

Fluoranthene

Concen: 5.195 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

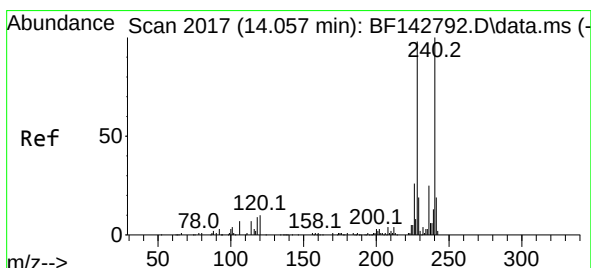
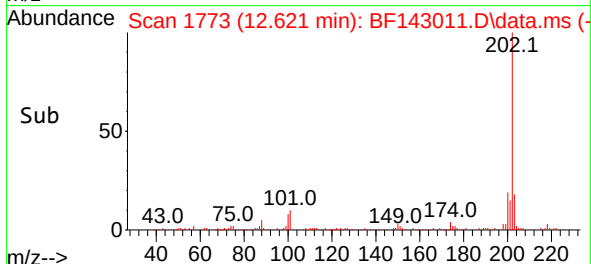
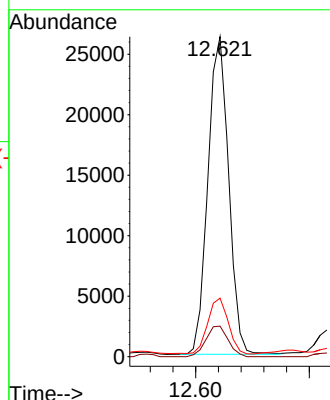
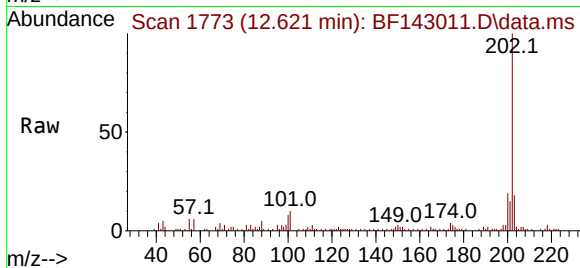
Tgt Ion:202 Resp: 33211

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 18.3 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: BF143011.D

Acq: 07 Jul 2025 16:18

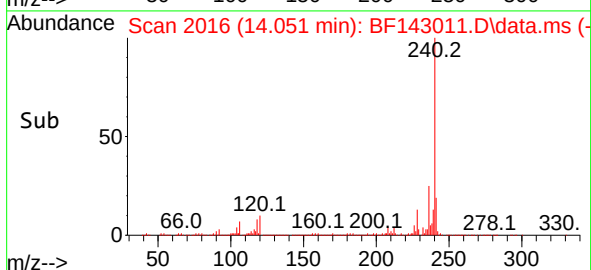
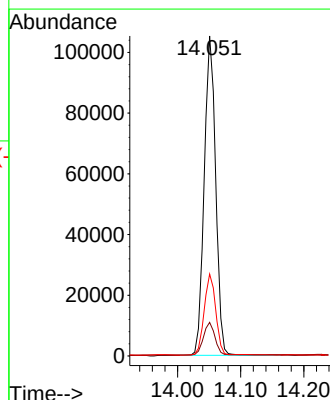
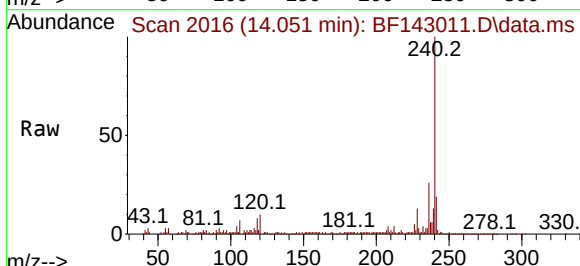
Tgt Ion:240 Resp: 132565

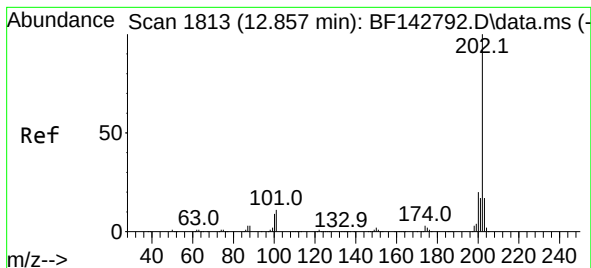
Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 25.6 19.8 29.8





#78

Pyrene

Concen: 3.077 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

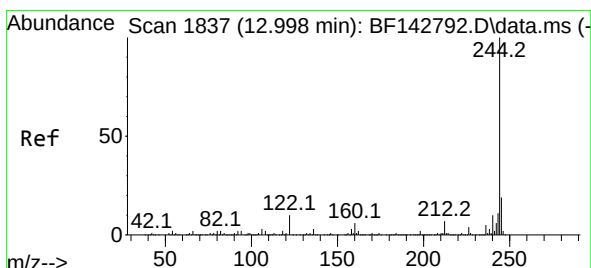
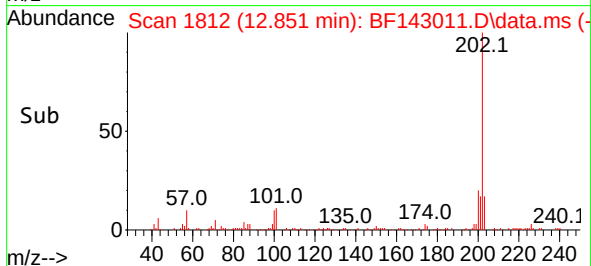
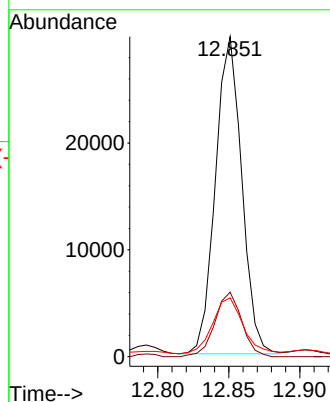
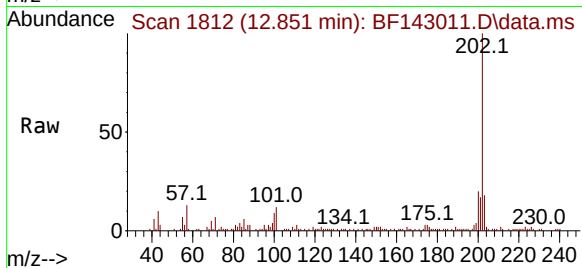
Tgt Ion:202 Resp: 38231

Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 18.4 13.8 20.6



#79

Terphenyl-d14

Concen: 6.568 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

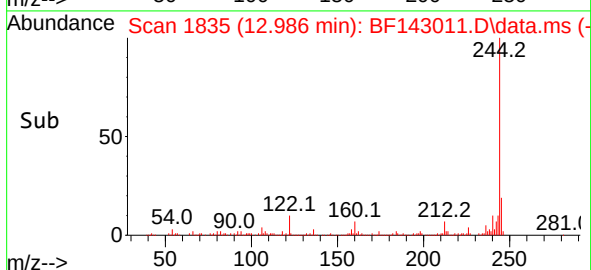
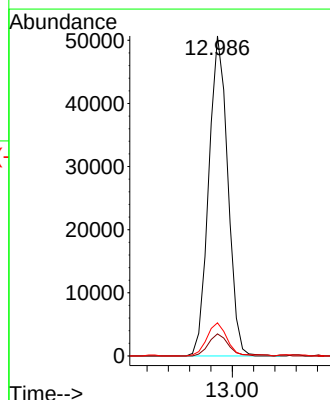
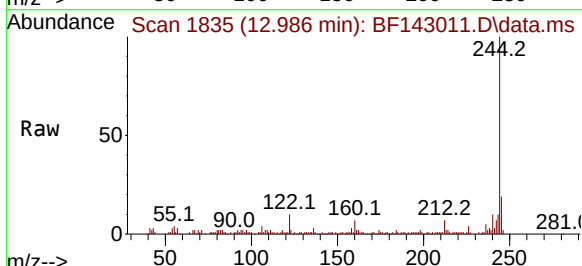
Tgt Ion:244 Resp: 63015

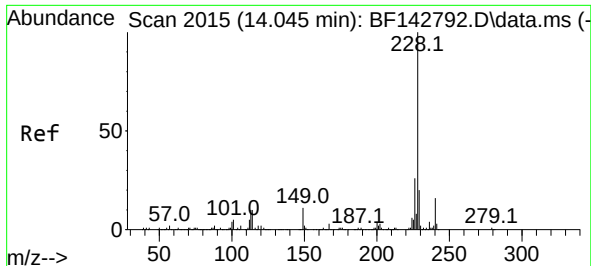
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.3 8.2 12.2

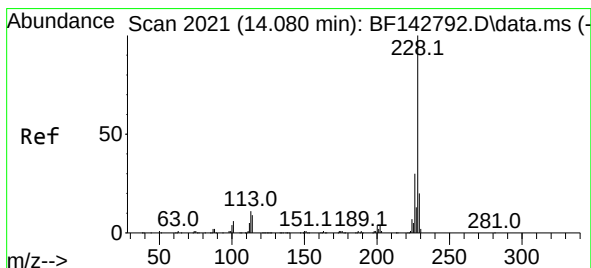
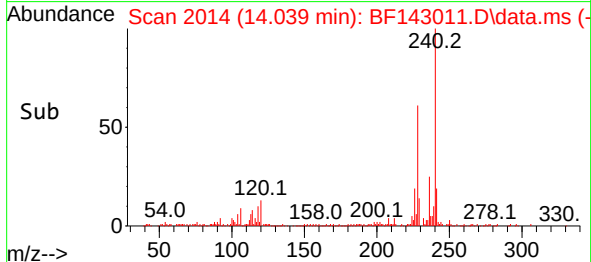
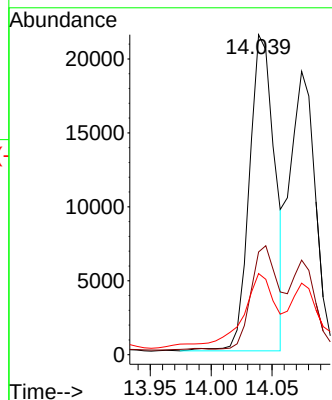
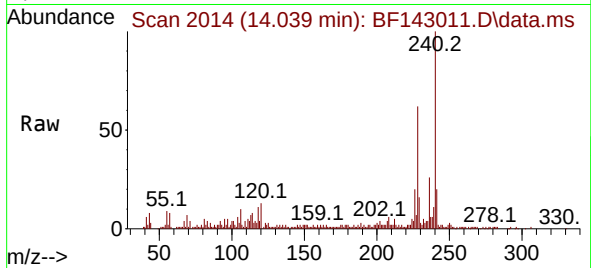




#81
Benzo(a)anthracene
Concen: 3.468 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

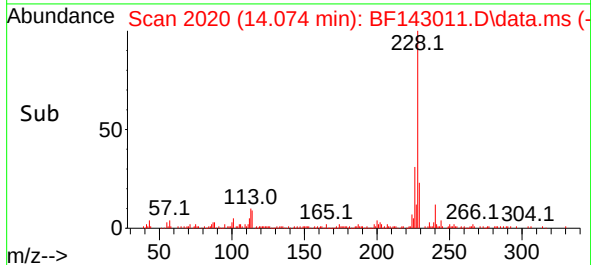
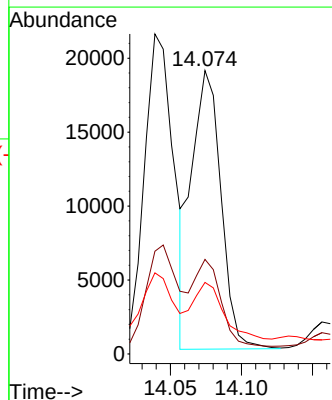
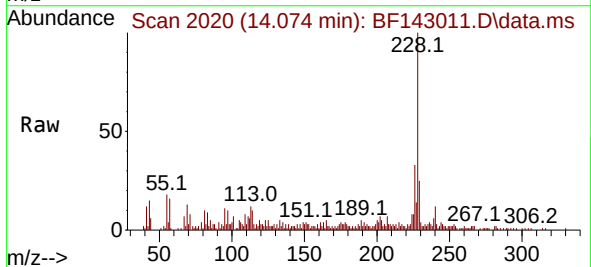
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

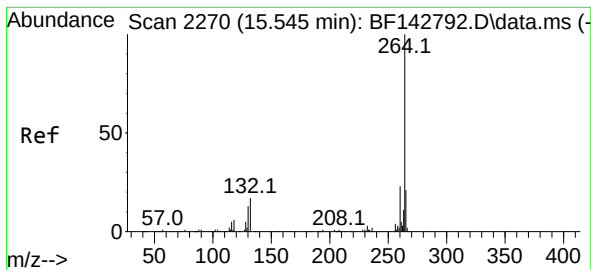
Tgt Ion:228 Resp: 31015
Ion Ratio Lower Upper
228 100
226 32.1 21.2 31.8#
229 25.3 15.6 23.4#



#83
Chrysene
Concen: 3.392 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

Tgt Ion:228 Resp: 27066
Ion Ratio Lower Upper
228 100
226 33.4 23.7 35.5
229 25.3 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

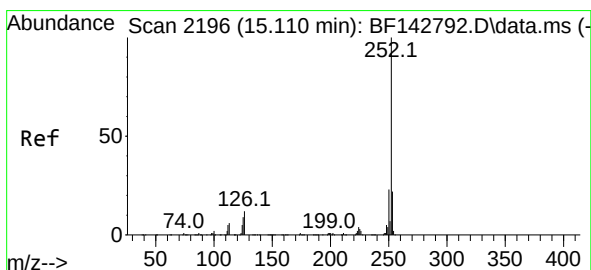
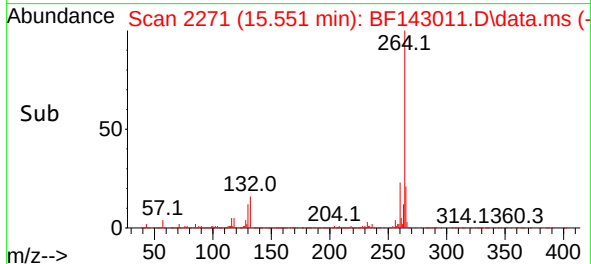
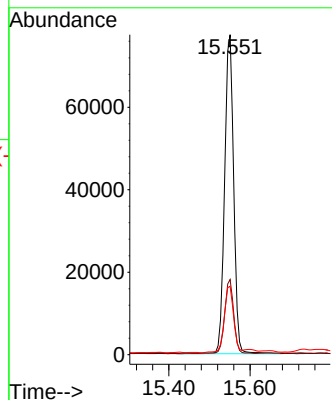
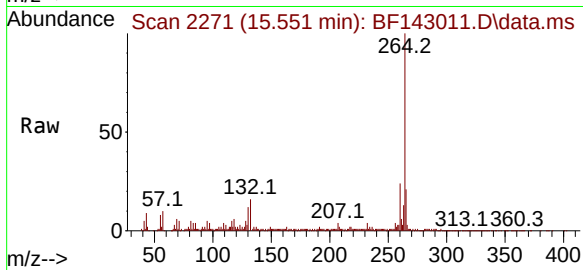
Tgt Ion:264 Resp: 120495

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 21.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 8.344 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

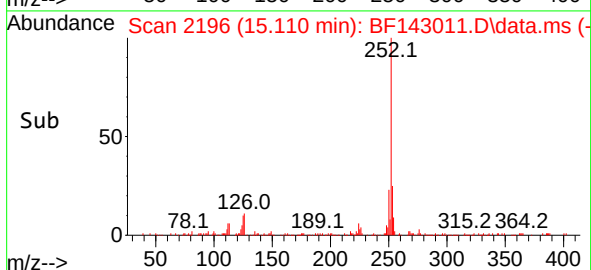
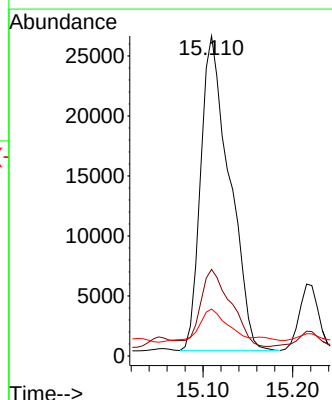
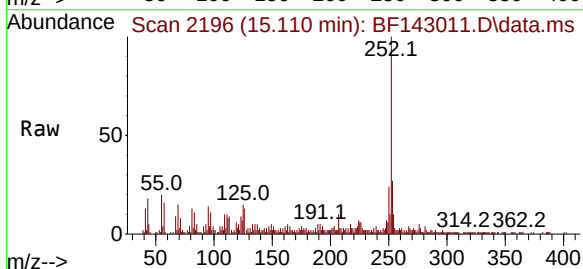
Tgt Ion:252 Resp: 58180

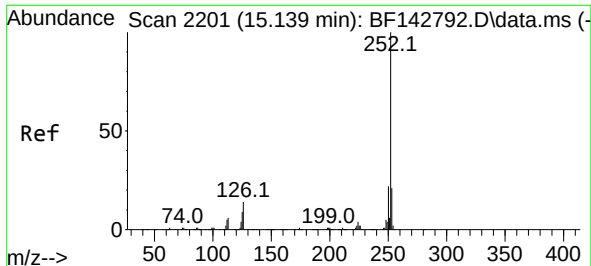
Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 14.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 8.919 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

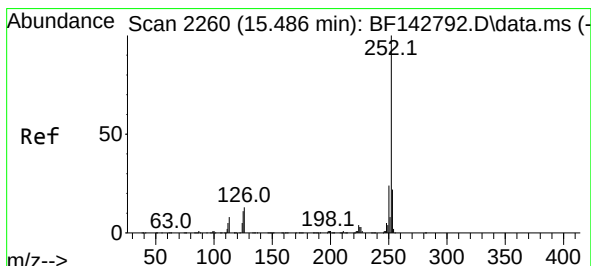
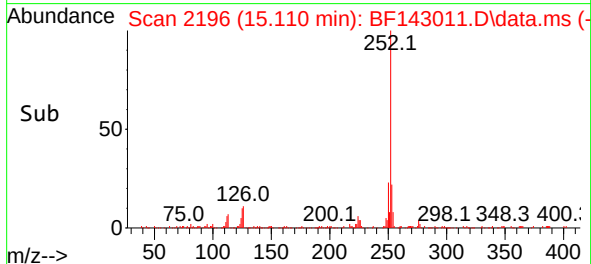
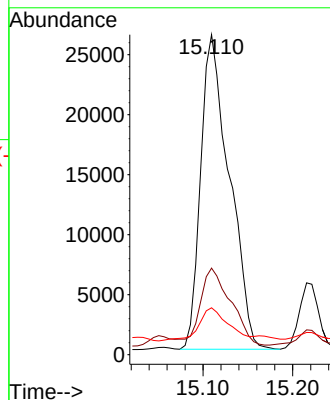
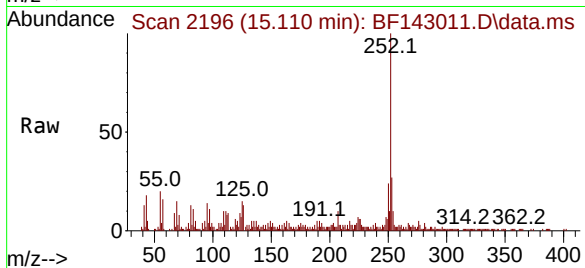
Tgt Ion:252 Resp: 58180

Ion Ratio Lower Upper

252 100

253 27.0 17.2 25.8#

125 14.7 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 4.373 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Tgt Ion:252 Resp: 29454

Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 15.6 8.6 12.8#

