

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

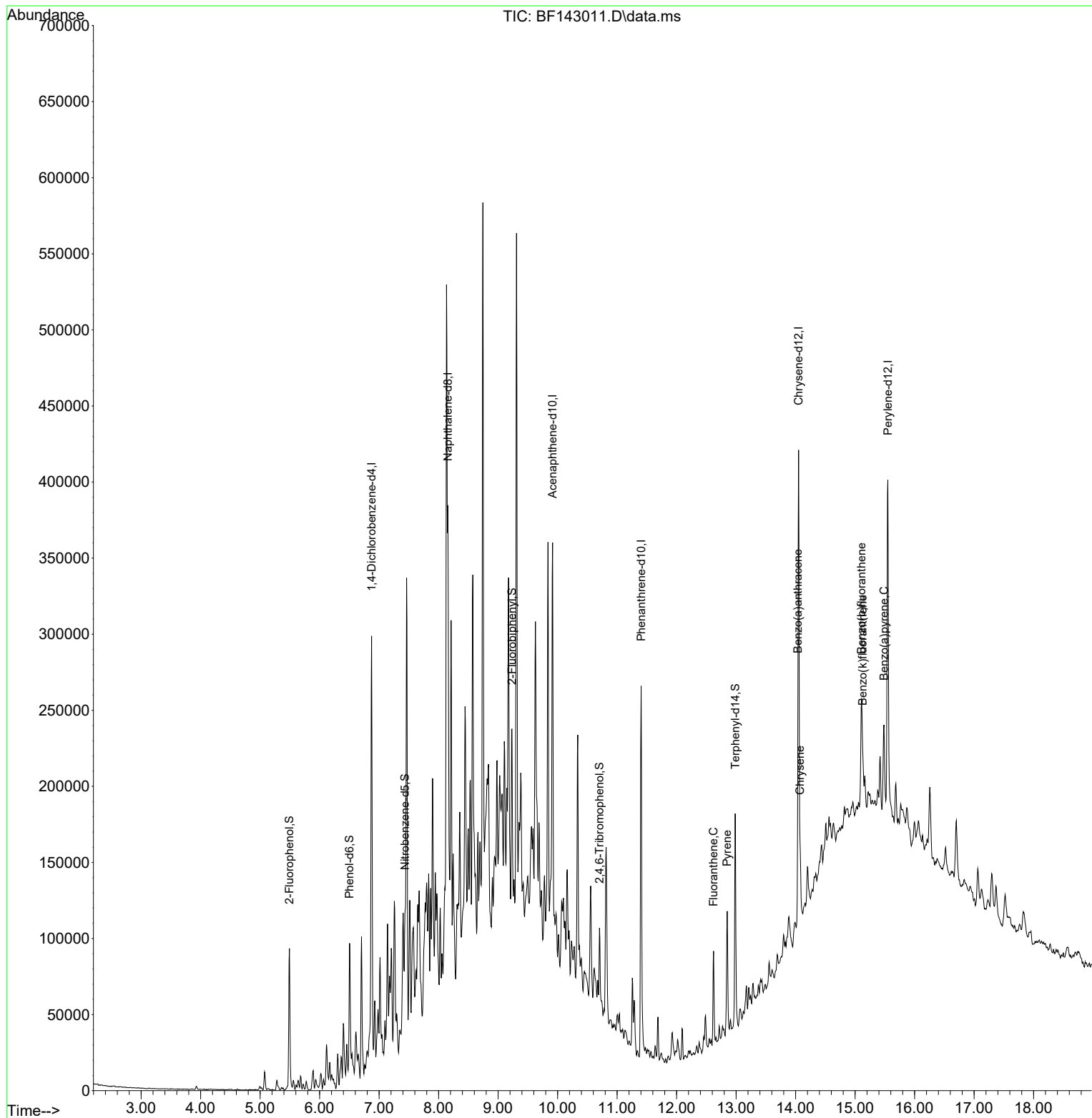
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49471	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	166475	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	75243	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	124341	20.000	ng	0.00
76) Chrysene-d12	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						
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	46895m	6.726	ng	
89) Benzo(k)fluoranthene	15.127	252	13136m	2.014	ng	
90) Benzo(a)pyrene	15.486	252	29454	4.373	ng	# 90

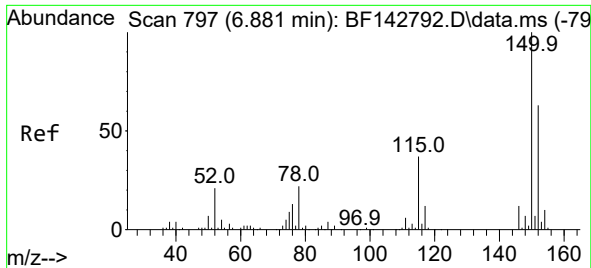
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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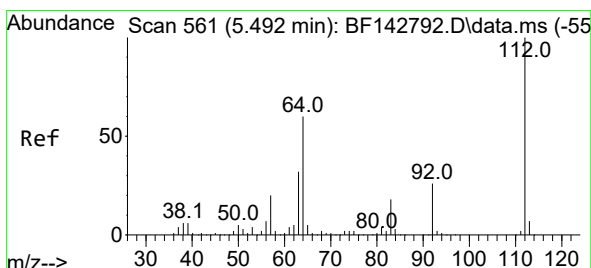
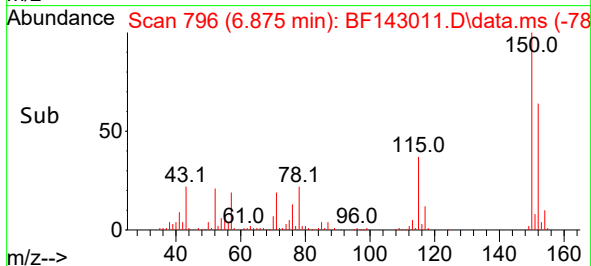
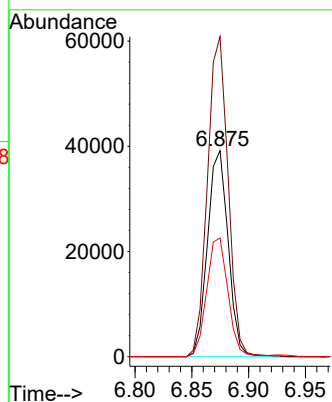
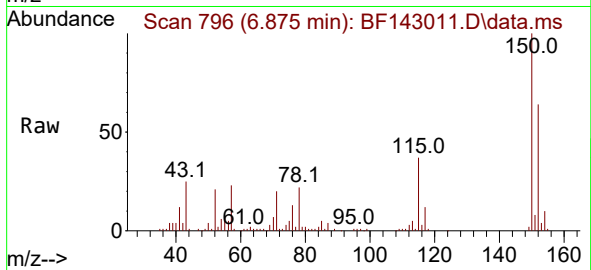




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

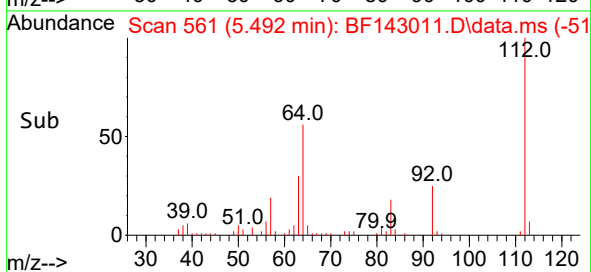
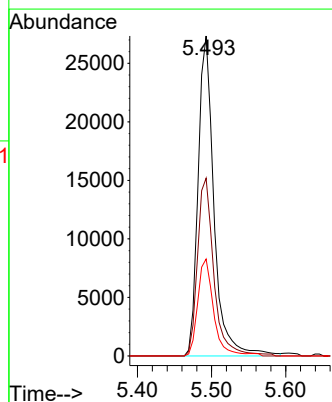
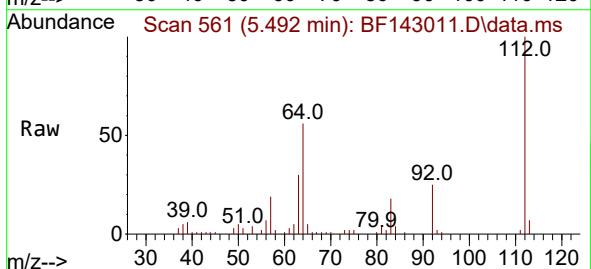
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

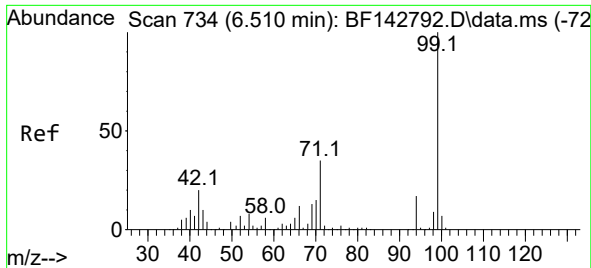
Tgt Ion:152 Resp: 49471
Ion Ratio Lower Upper
152 100
150 155.3 127.2 190.8
115 57.6 46.6 69.8



#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

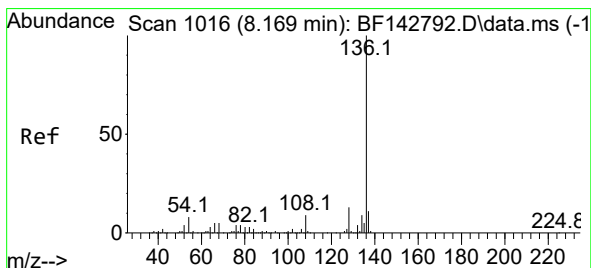
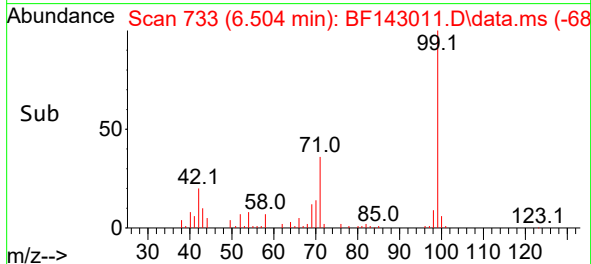
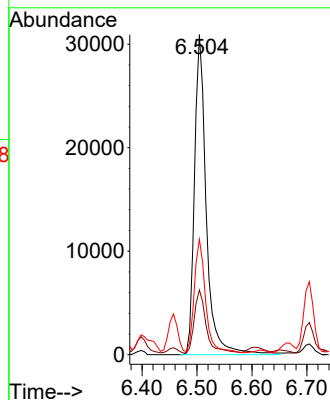
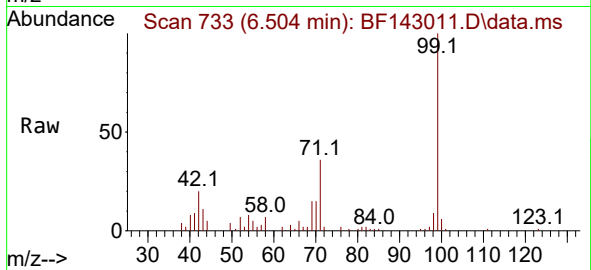




#7
Phenol-d6
Concen: 13.147 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

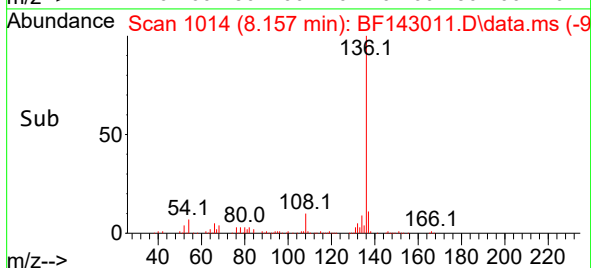
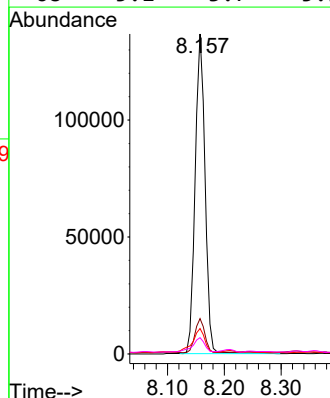
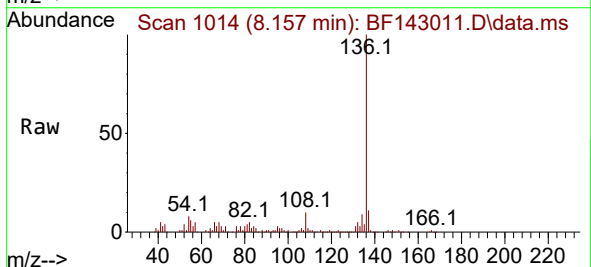
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

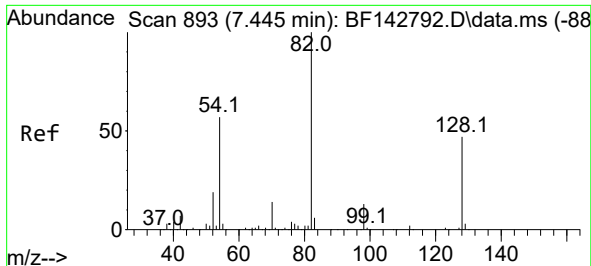
Tgt Ion:	99	Resp:	46087
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	36.0	27.8	41.8



#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





#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

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

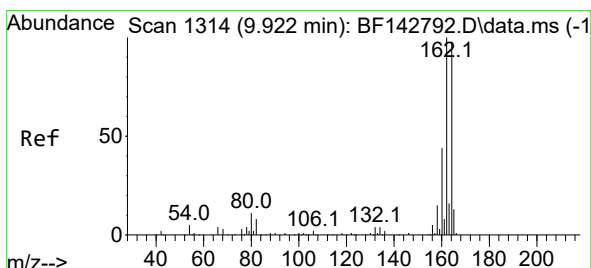
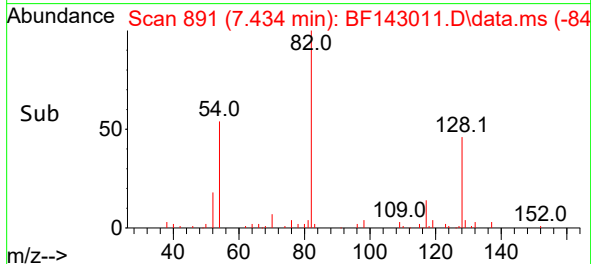
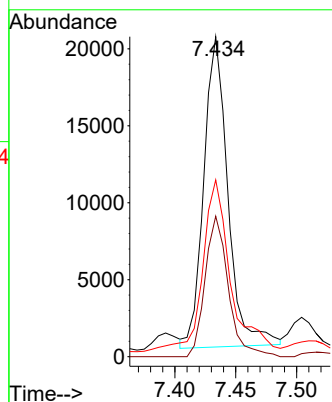
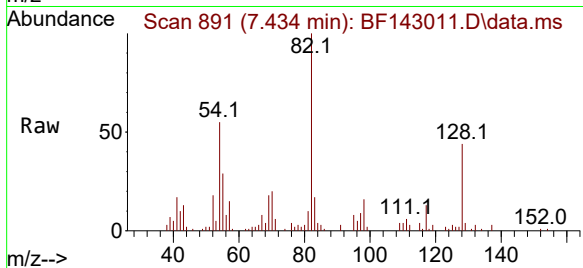
Tgt Ion: 82 Resp: 27805

Ion Ratio Lower Upper

82 100

128 43.9 37.7 56.5

54 55.2 45.7 68.5



#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

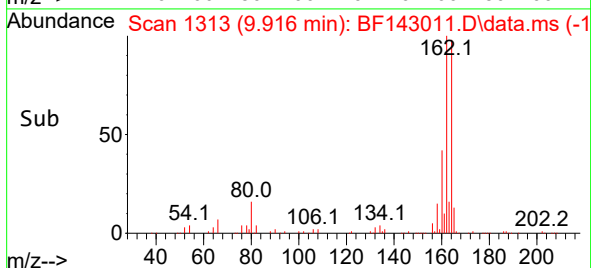
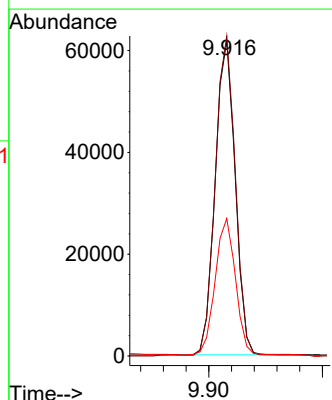
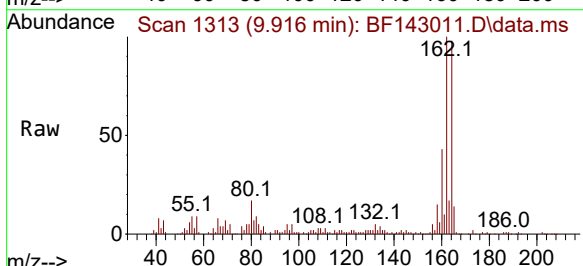
Tgt Ion:164 Resp: 75243

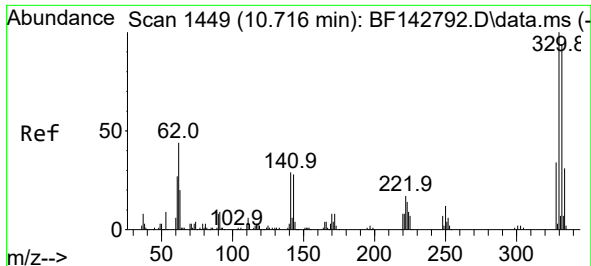
Ion Ratio Lower Upper

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

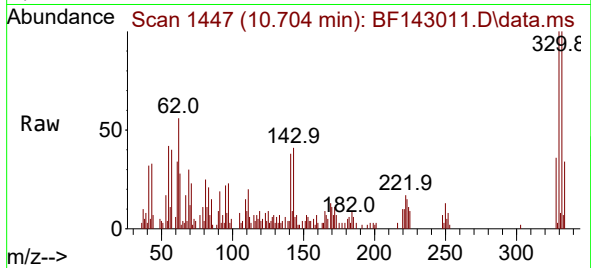
Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225



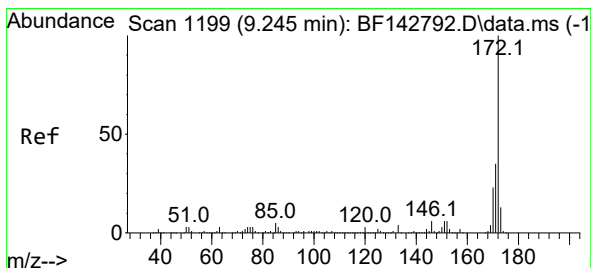
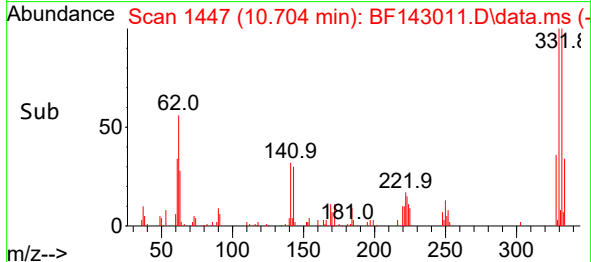
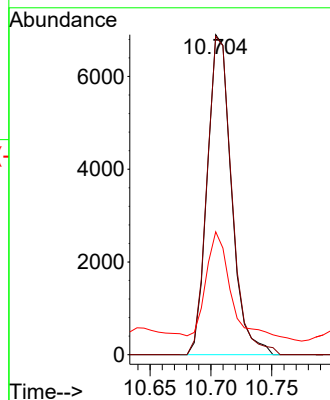
Tgt Ion:330 Resp: 9525

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

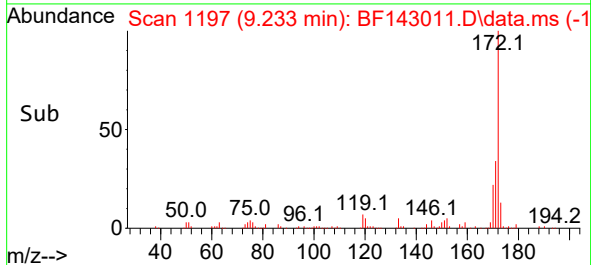
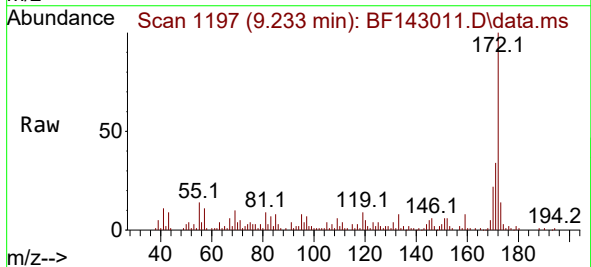
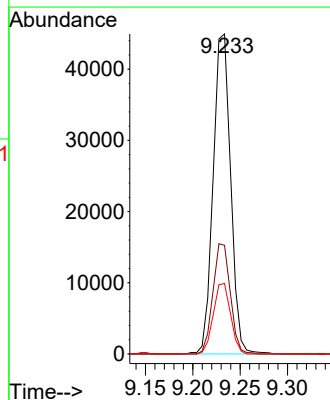
Tgt Ion:172 Resp: 57660

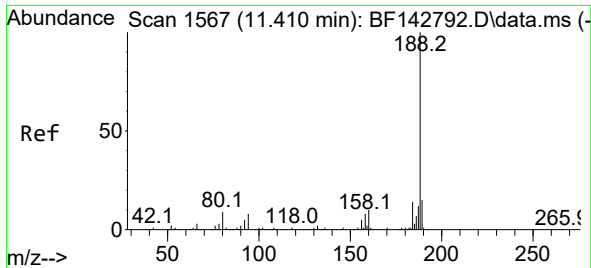
Ion Ratio Lower Upper

172 100

171 34.0 28.2 42.4

170 22.0 18.5 27.7

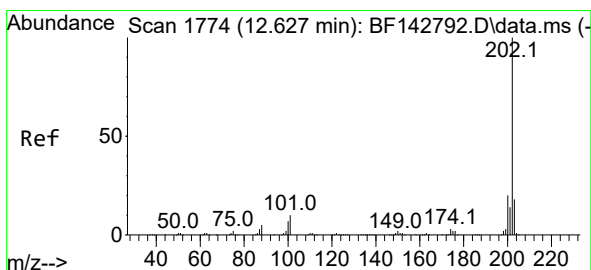
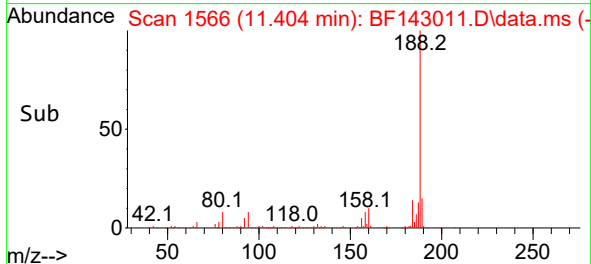
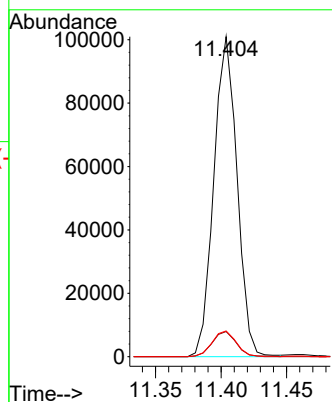
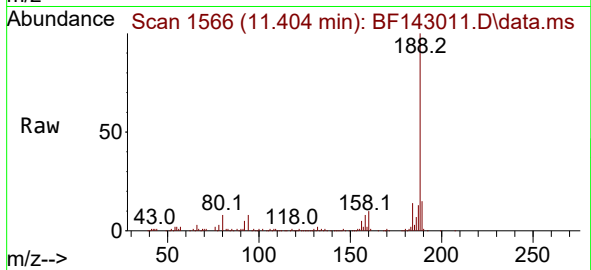




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

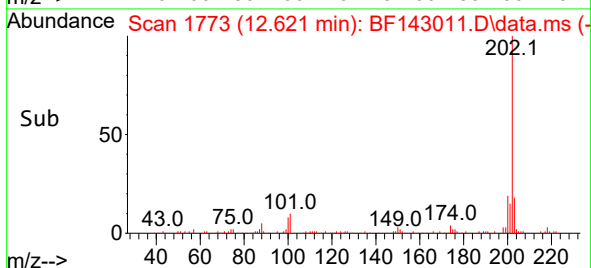
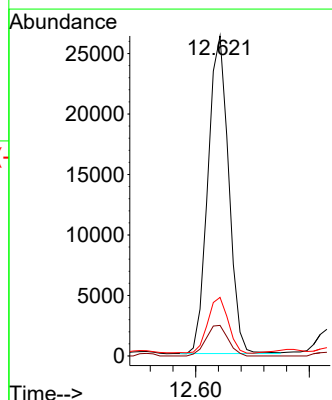
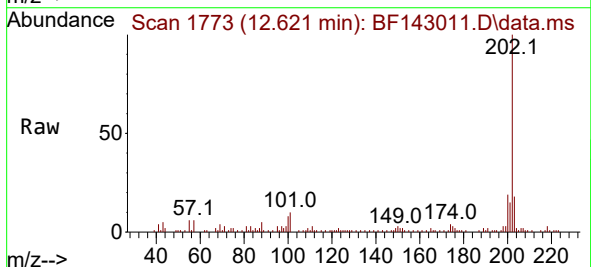
Instrument :
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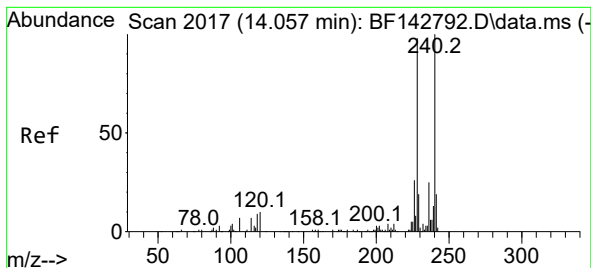
Tgt Ion:188 Resp: 124341
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.1 6.9 10.3



#75
Fluoranthene
Concen: 5.195 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

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# 2017

Delta R.T. -0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

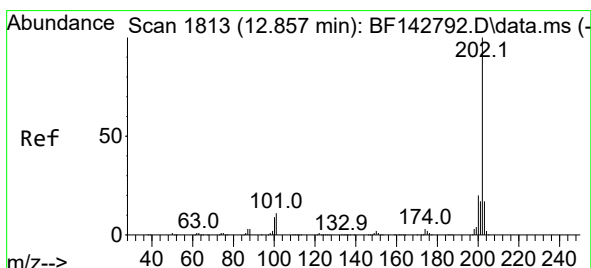
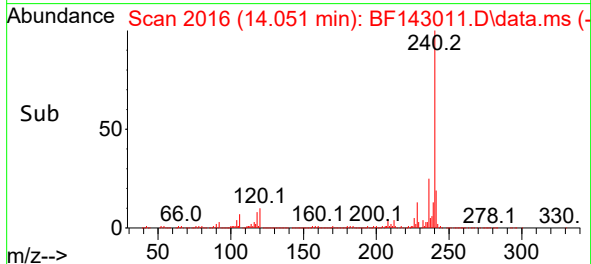
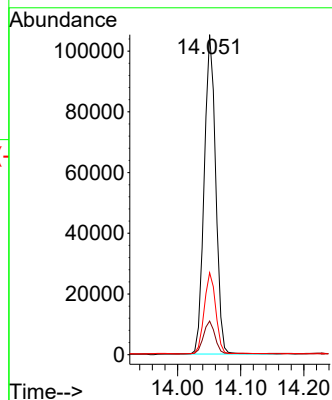
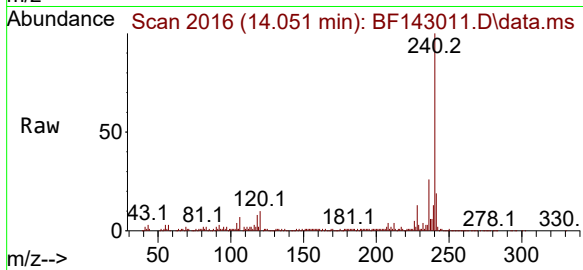
Tgt Ion:240 Resp: 132565

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# 1812

Delta R.T. -0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

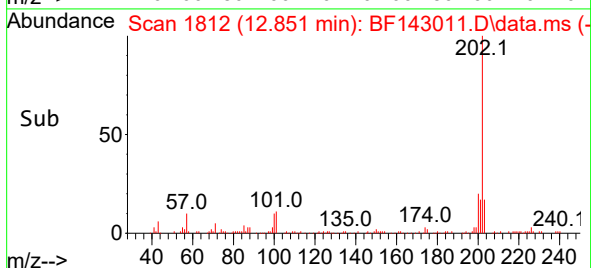
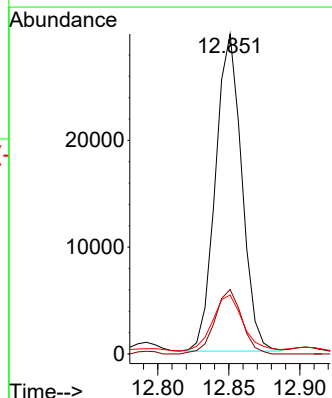
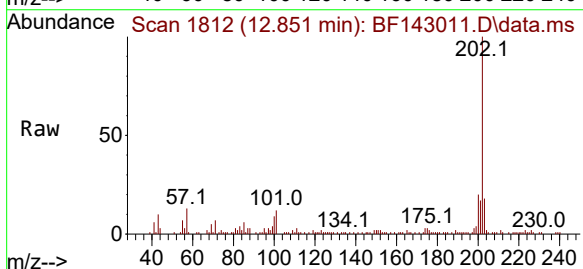
Tgt Ion:202 Resp: 38231

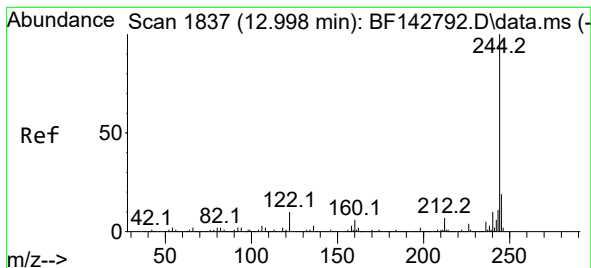
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.012 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

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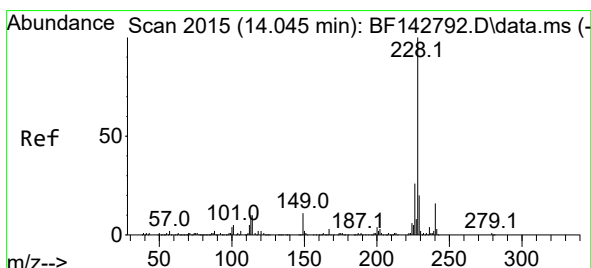
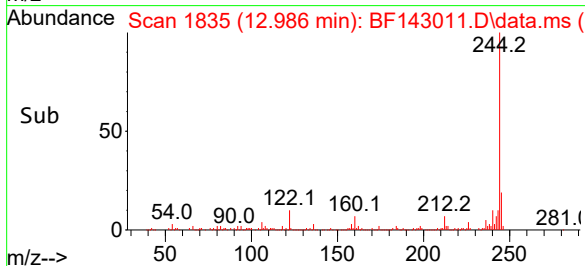
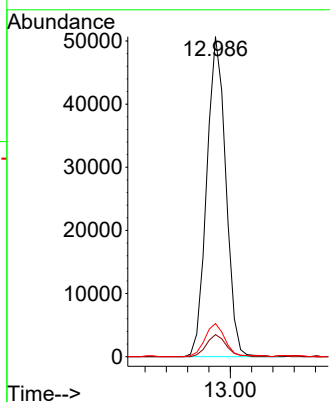
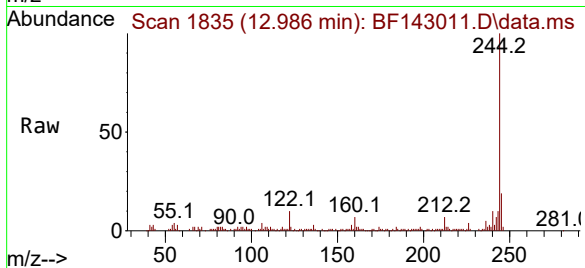
Tgt Ion:244 Resp: 63015

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# 2014

Delta R.T. -0.006 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

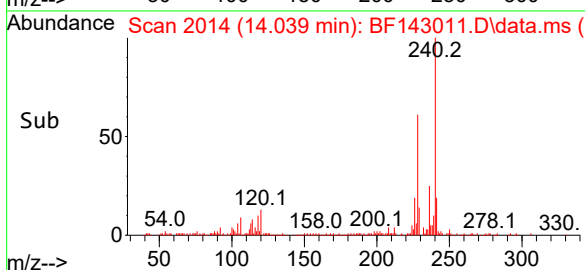
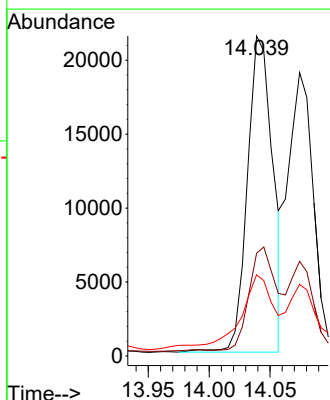
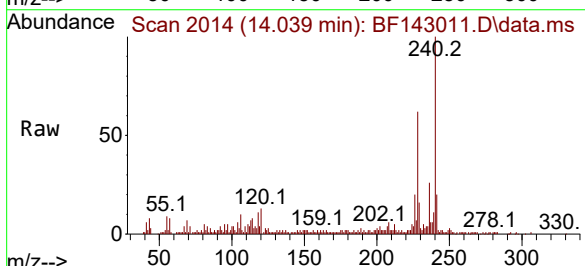
Tgt Ion:228 Resp: 31015

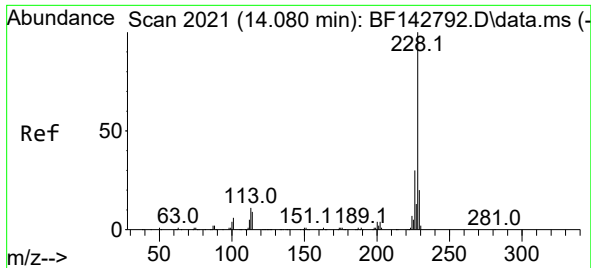
Ion Ratio Lower Upper

228 100

226 32.1 21.2 31.8#

229 25.3 15.6 23.4#

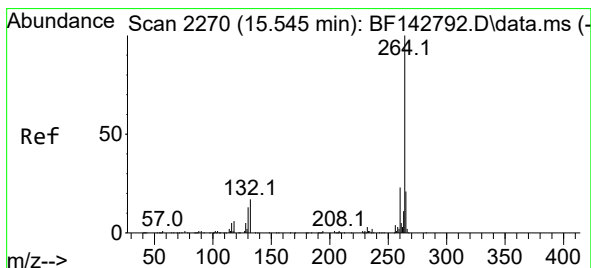
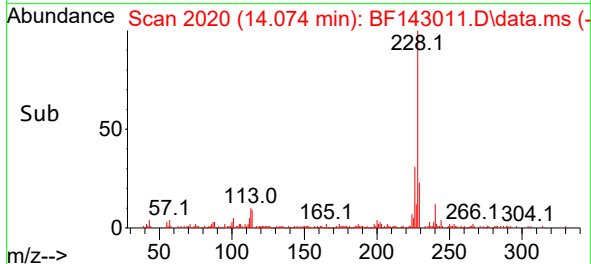
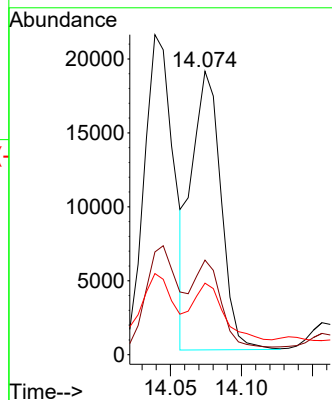
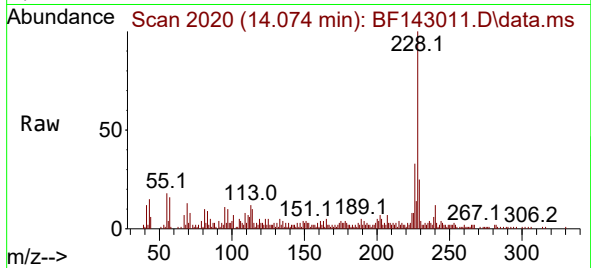




#83
Chrysene
Concen: 3.392 ng
RT: 14.074 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

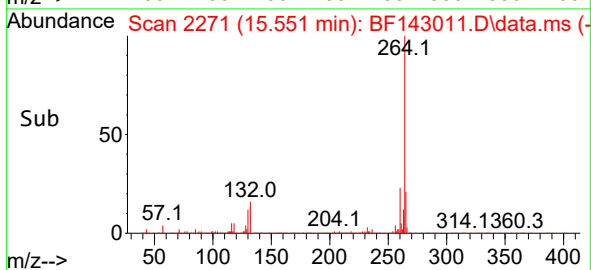
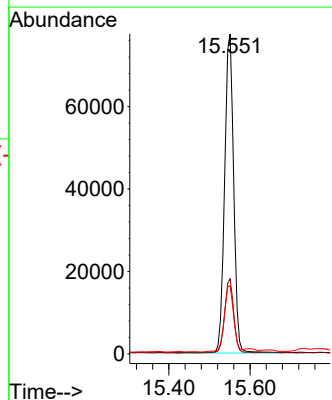
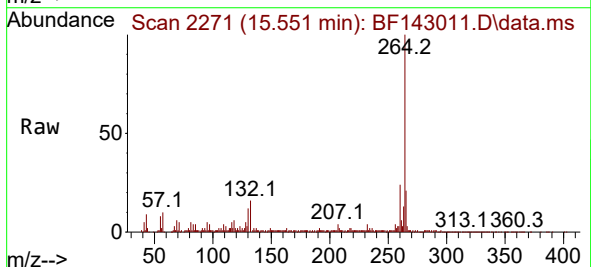
Instrument :
BNA_F
ClientSampleId :
EO-1-070225

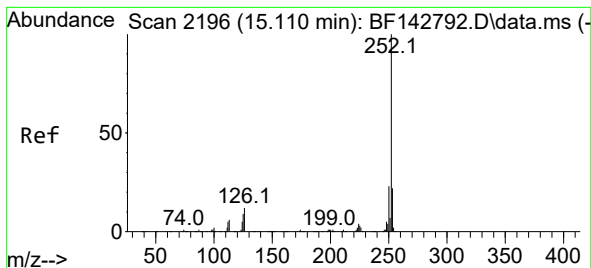
Tgt Ion:228 Resp: 27066
Ion Ratio Lower Upper
228 100
226 33.4 23.7 35.5
229 25.3 15.7 23.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143011.D
Acq: 07 Jul 2025 16:18

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: 6.726 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225

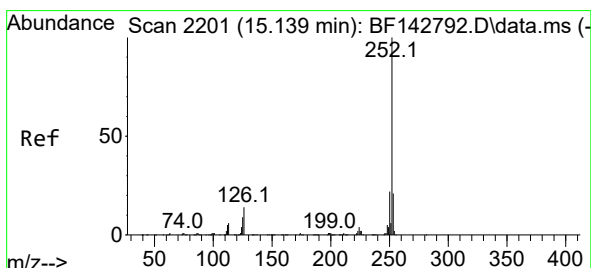
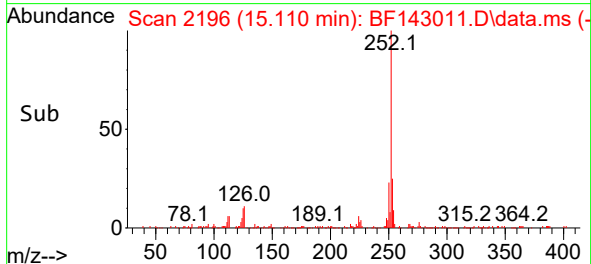
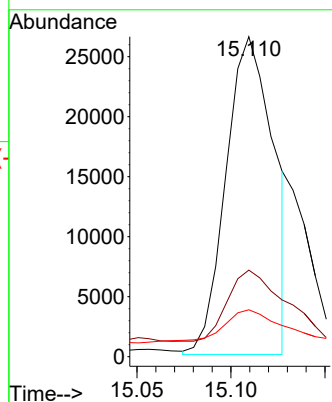
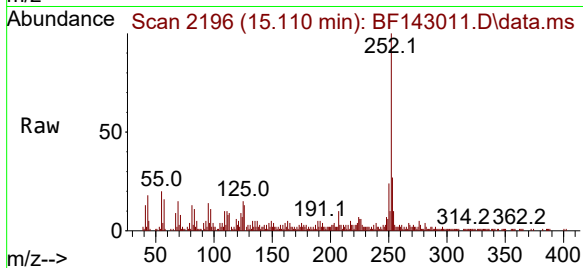
Tgt Ion:252 Resp: 46895

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: 2.014 ng m

RT: 15.127 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF143011.D

Acq: 07 Jul 2025 16:18

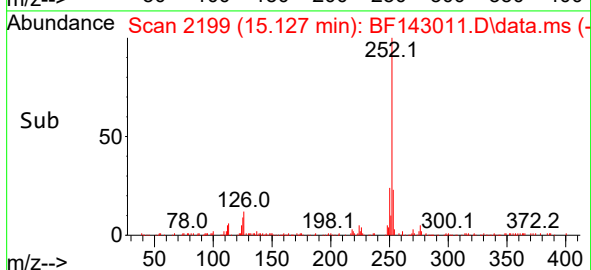
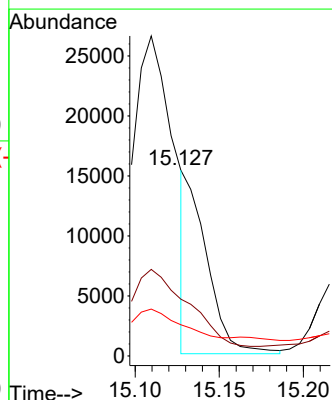
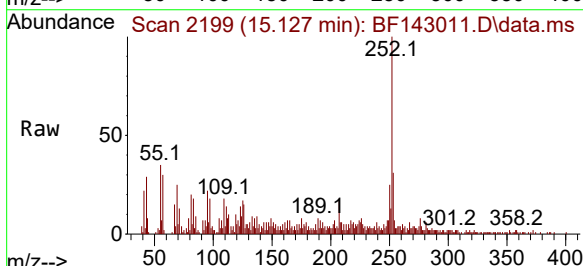
Tgt Ion:252 Resp: 13136

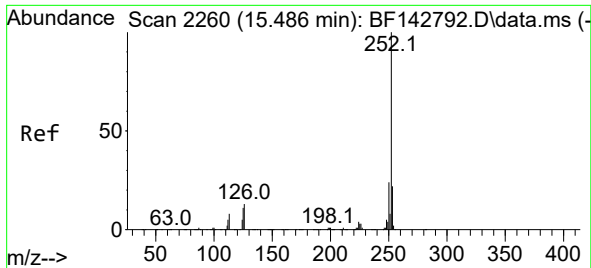
Ion Ratio Lower Upper

252 100

253 30.6 17.2 25.8#

125 16.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.373 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143011.D

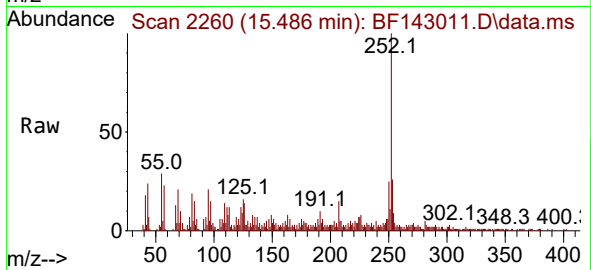
Acq: 07 Jul 2025 16:18

Instrument :

BNA_F

ClientSampleId :

EO-1-070225



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#

