

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143942.D
 Acq On : 13 Oct 2025 19:56
 Operator : RC/JU
 Sample : Q3323-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-07-0-2

Quant Time: Oct 14 01:30:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

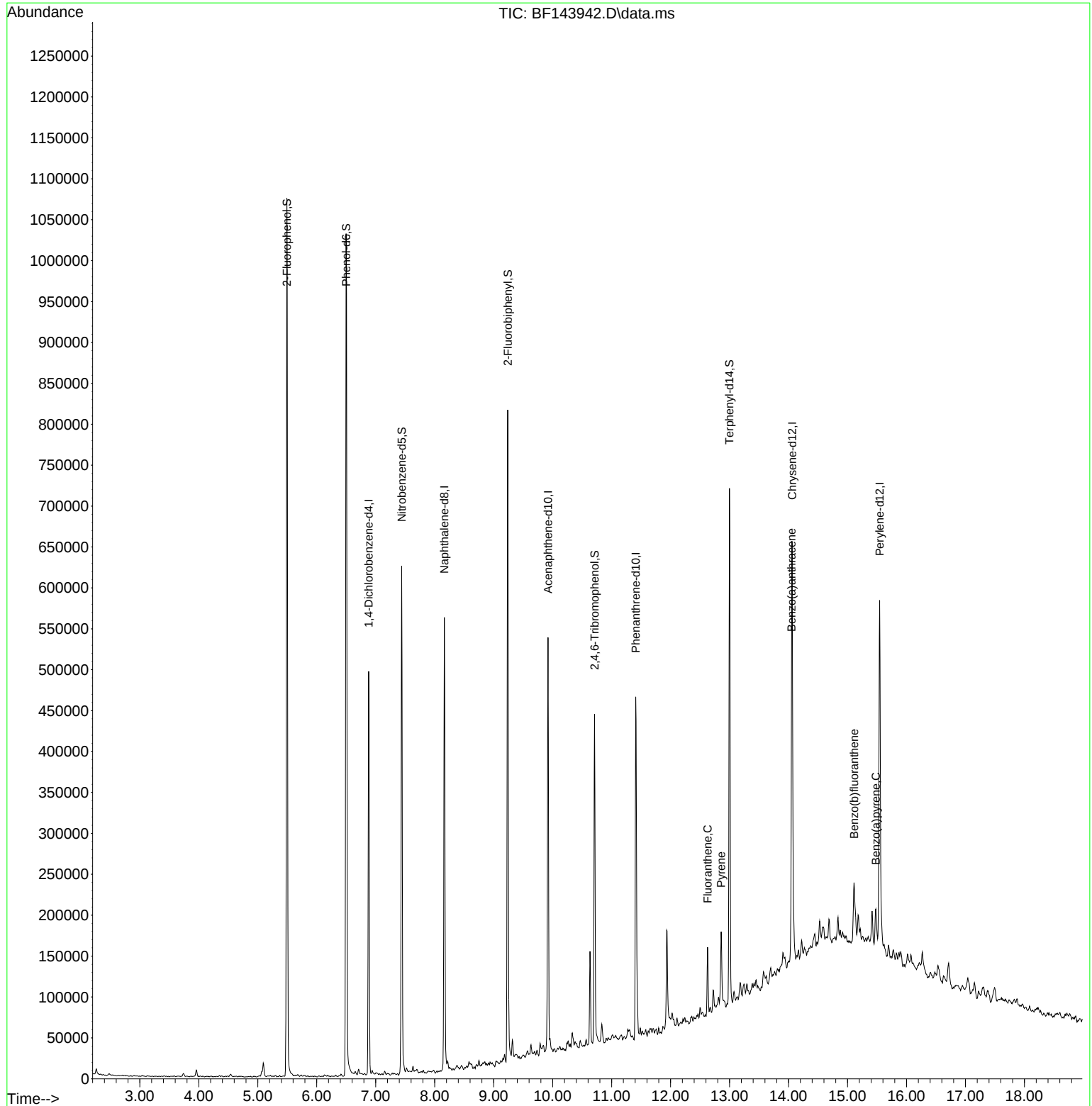
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	96804	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	346821	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	149732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	225565	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	250053	20.000	ng	0.00
86) Perylene-d12	15.545	264	272960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	417792	68.535	ng	0.00
7) Phenol-d6	6.498	99	465626	64.081	ng	-0.02
23) Nitrobenzene-d5	7.440	82	263623	46.180	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	72696	48.745	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	379923	40.261	ng	-0.01
79) Terphenyl-d14	12.998	244	326304	22.302	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.628	202	47135	4.173	ng	97
78) Pyrene	12.857	202	51244	2.458	ng	96
81) Benzo(a)anthracene	14.051	228	34655	2.118	ng	95
88) Benzo(b)fluoranthene	15.110	252	45035m	2.872	ng	
90) Benzo(a)pyrene	15.480	252	31100	2.287	ng	# 92

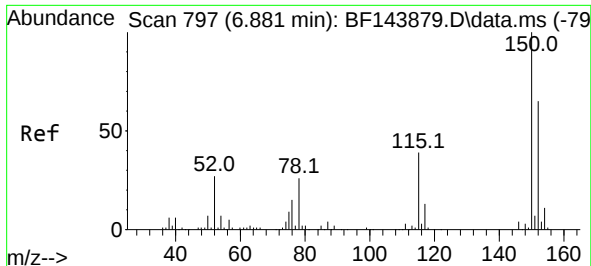
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
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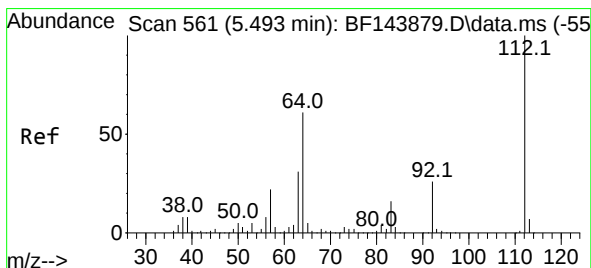
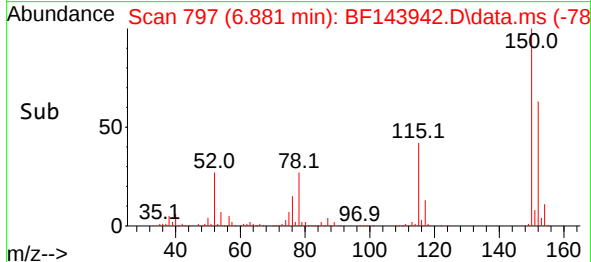
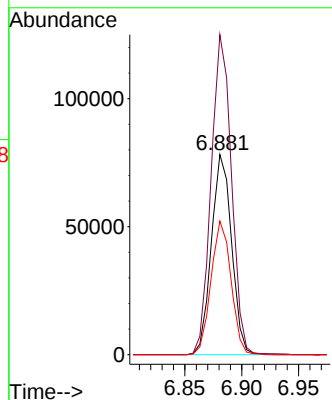
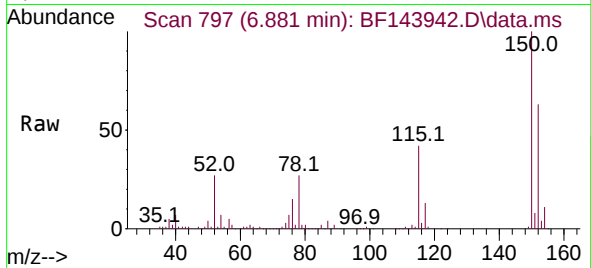




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

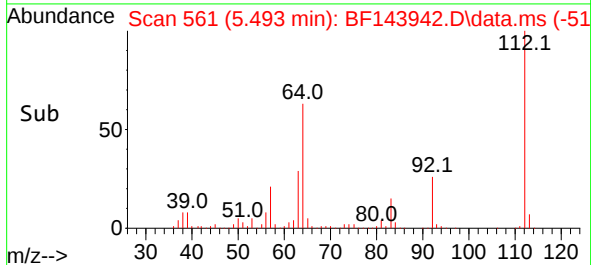
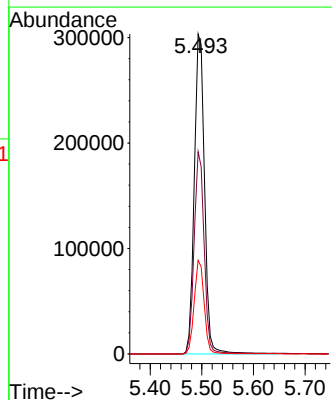
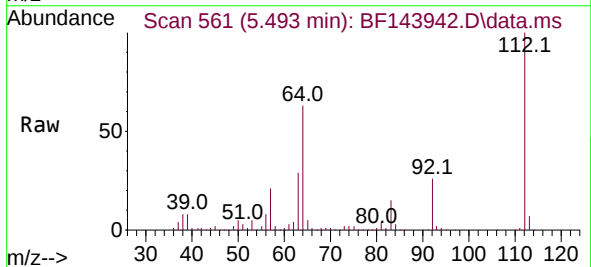
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:152 Resp: 96804
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 66.7 48.1 72.1



#5
2-Fluorophenol
Concen: 68.535 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:112 Resp: 417792
Ion Ratio Lower Upper
112 100
64 63.2 49.1 73.7
63 29.2 24.5 36.7

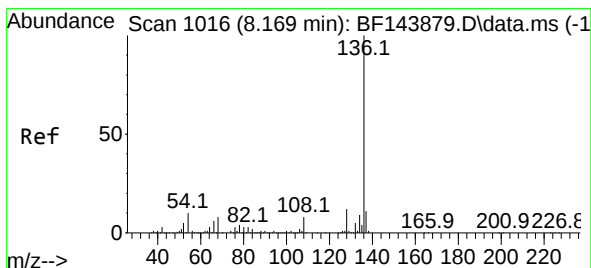
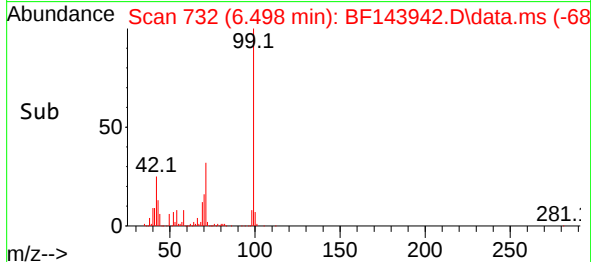
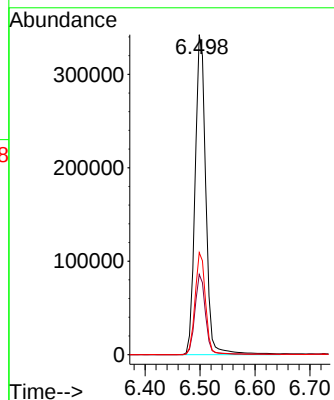
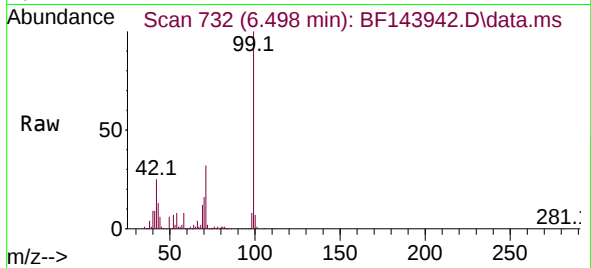




#7
Phenol-d6
Concen: 64.081 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.017 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

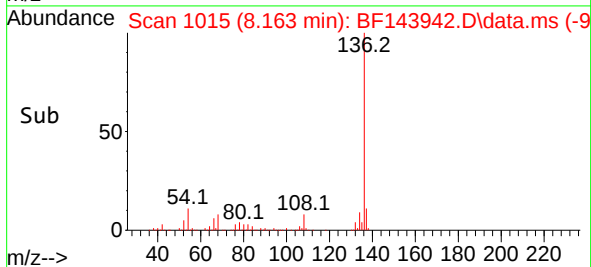
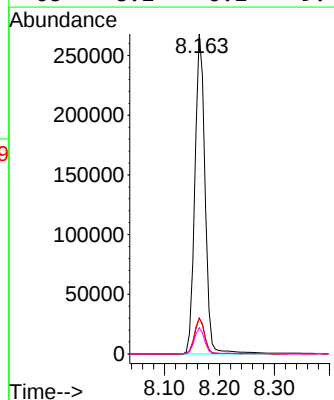
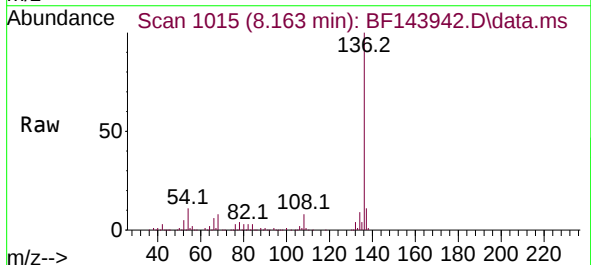
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

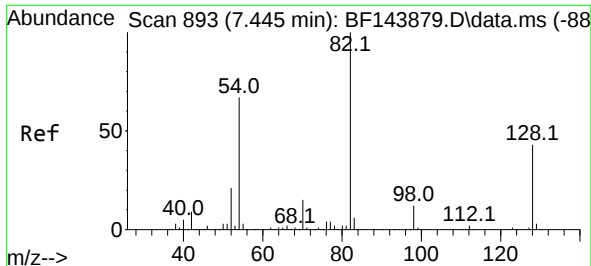
Tgt Ion: 99 Resp: 465626
Ion Ratio Lower Upper
99 100
42 25.1 21.0 31.4
71 31.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion: 136 Resp: 346821
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.2 8.2 12.4
68 8.2 6.2 9.4





#23

Nitrobenzene-d5

Concen: 46.180 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

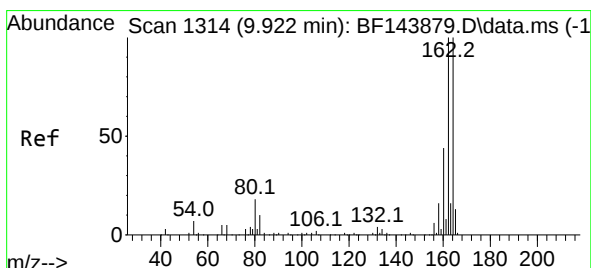
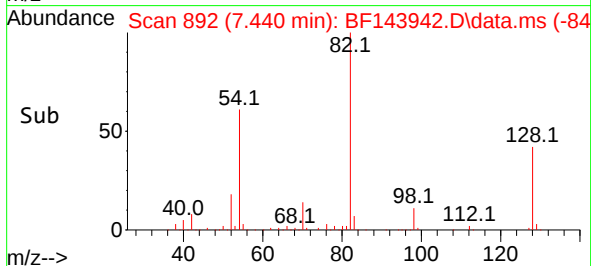
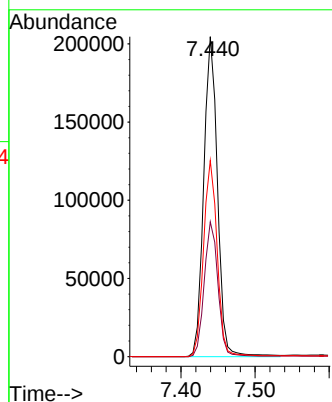
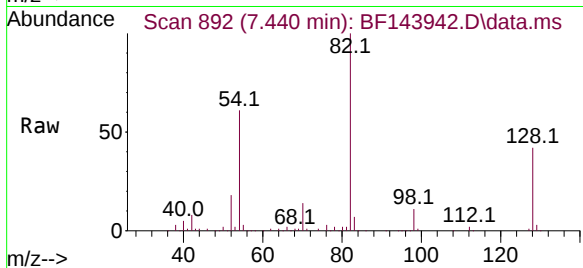
Tgt Ion: 82 Resp: 263623

Ion Ratio Lower Upper

82 100

128 42.1 34.0 51.0

54 61.3 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

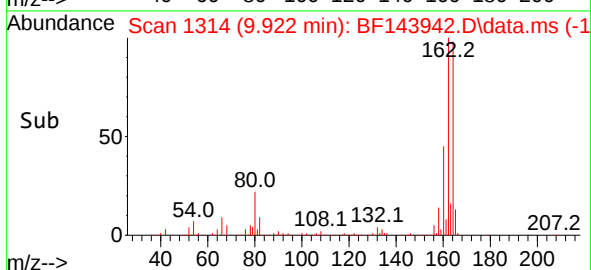
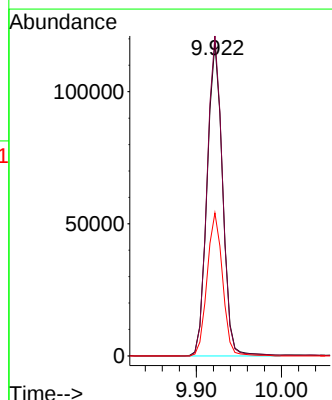
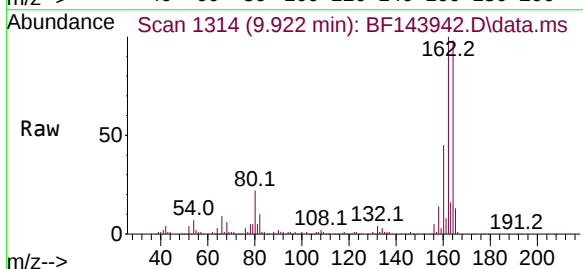
Tgt Ion:164 Resp: 149732

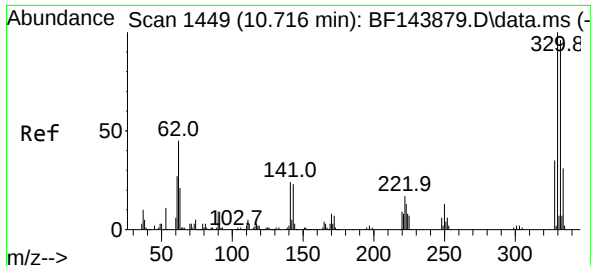
Ion Ratio Lower Upper

164 100

162 102.2 80.2 120.2

160 45.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 48.745 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143942.D

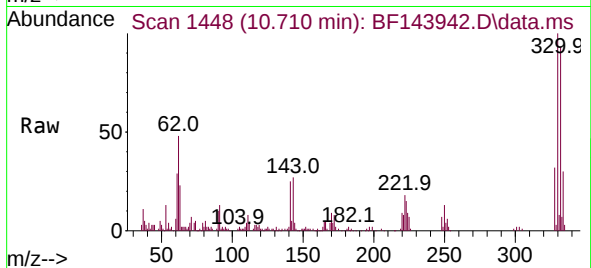
Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2



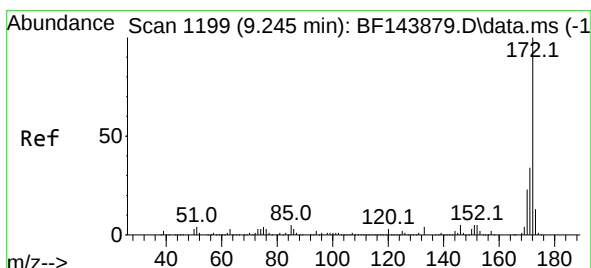
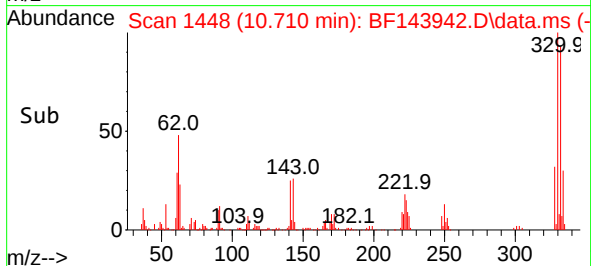
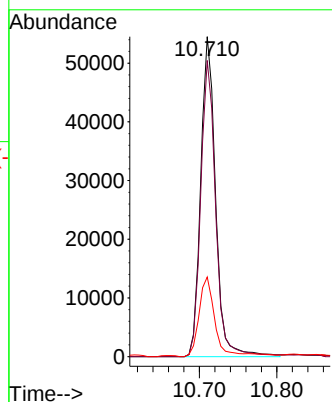
Tgt Ion:330 Resp: 72696

Ion Ratio Lower Upper

330 100

332 92.6 76.9 115.3

141 27.2 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 40.261 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

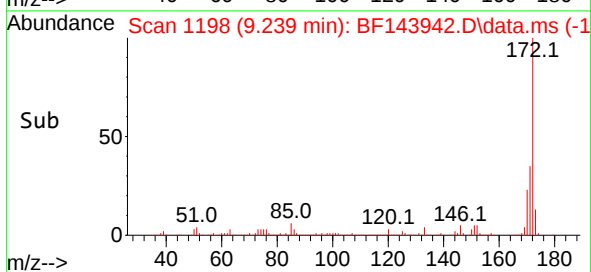
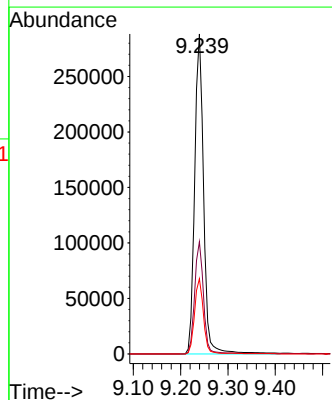
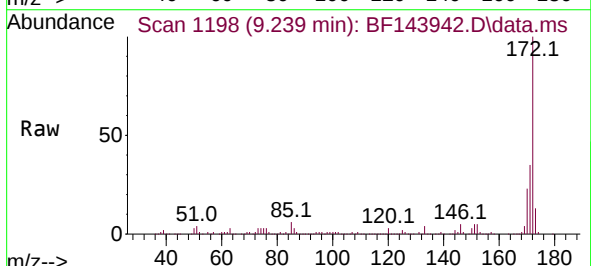
Tgt Ion:172 Resp: 379923

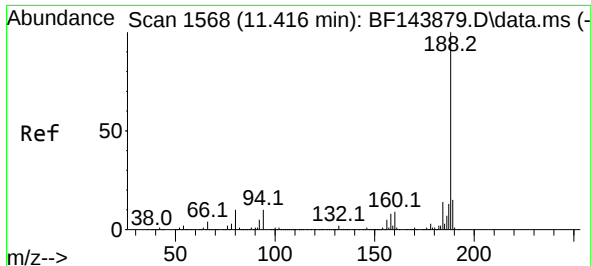
Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

170 23.5 18.6 28.0

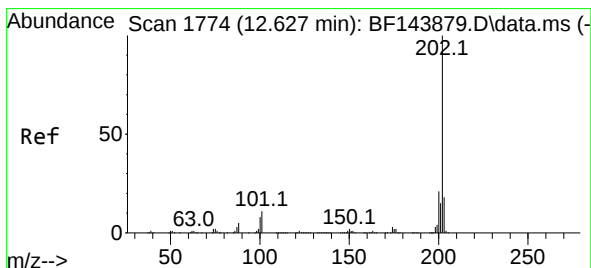
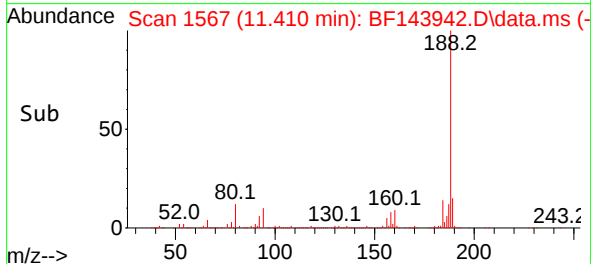
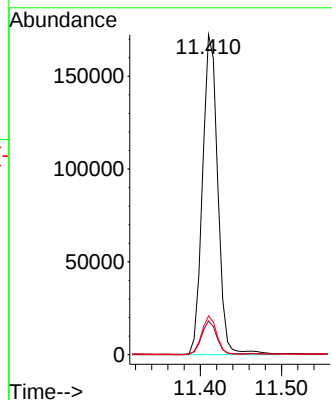
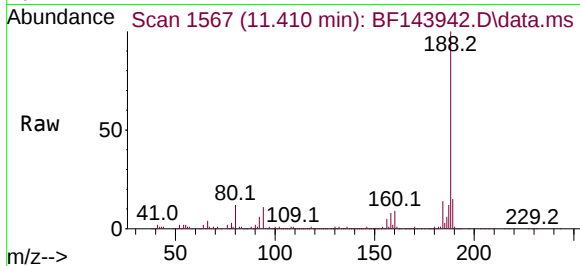




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

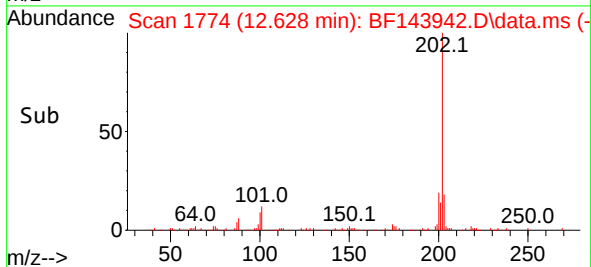
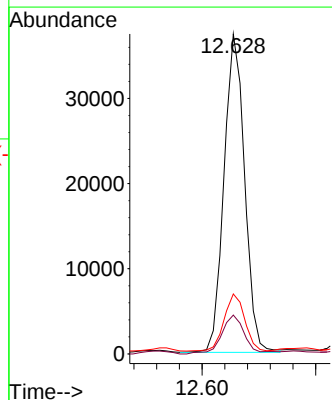
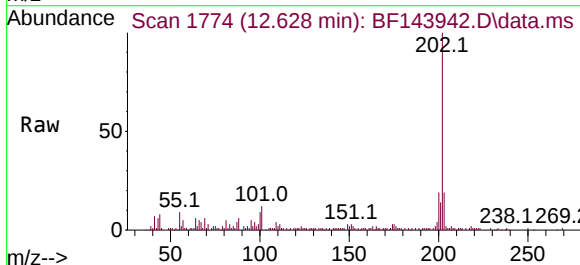
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

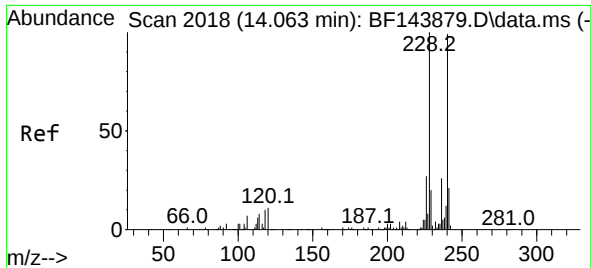
Tgt Ion:188 Resp: 225565
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 12.1 7.9 11.9#



#75
Fluoranthene
Concen: 4.173 ng
RT: 12.628 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:202 Resp: 47135
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.7 0.0 37.8

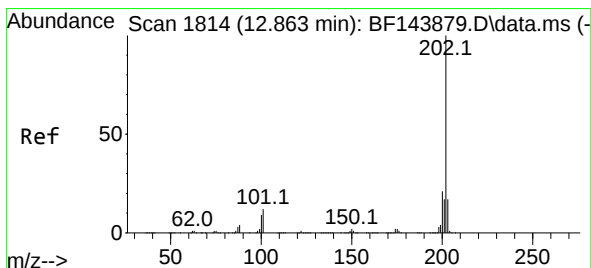
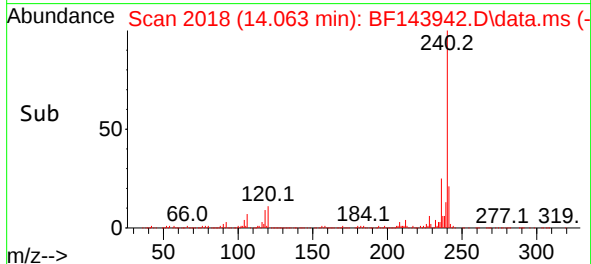
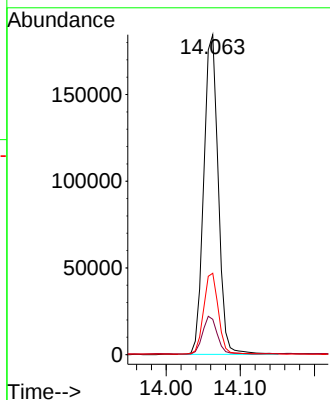
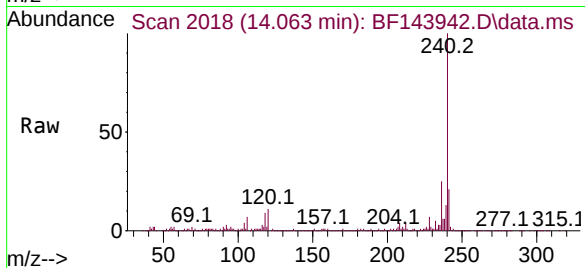




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

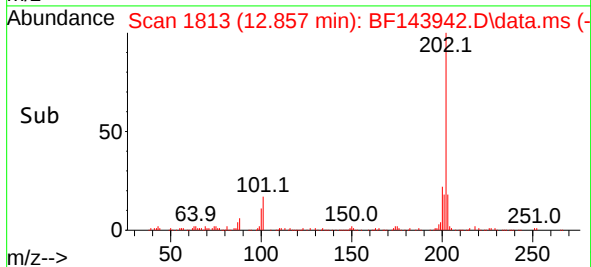
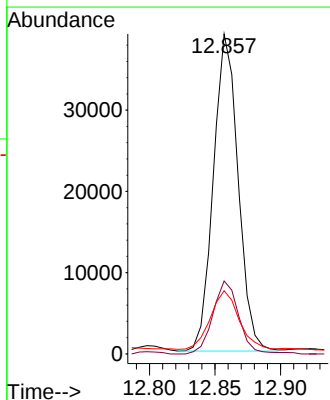
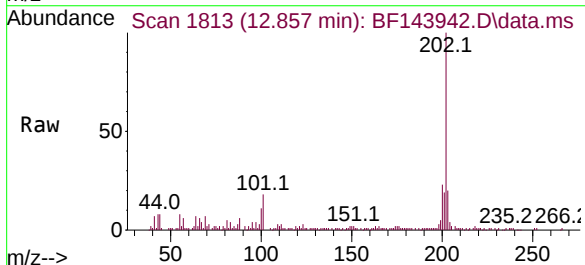
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BNA_F
ClientSampleId :
SED-07-0-2

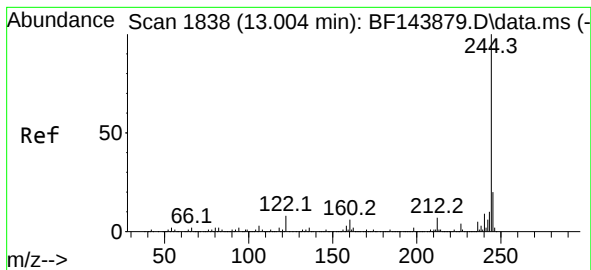
Tgt Ion:240 Resp: 250053
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 25.4 21.1 31.7



#78
Pyrene
Concen: 2.458 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:202 Resp: 51244
Ion Ratio Lower Upper
202 100
200 22.8 17.0 25.6
203 19.7 13.8 20.6





#79

Terphenyl-d14

Concen: 22.302 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

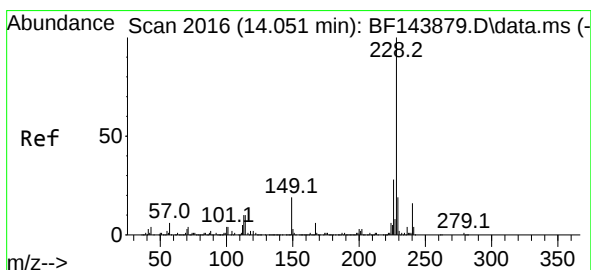
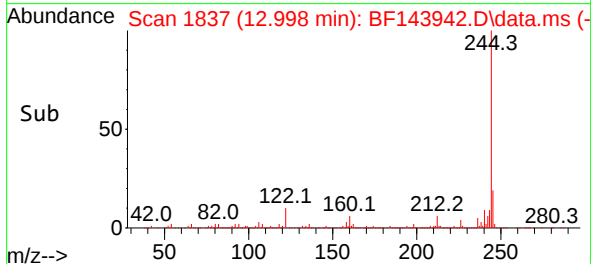
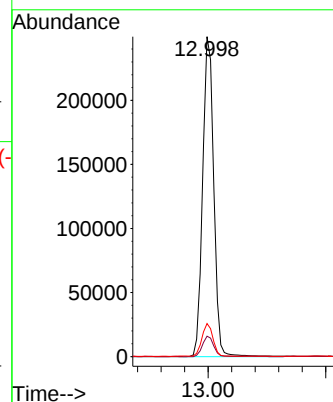
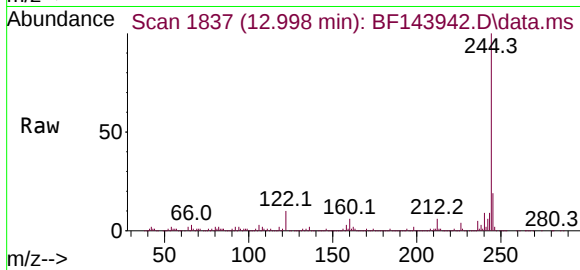
Tgt Ion:244 Resp: 326304

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.3 6.4 9.6#



#81

Benzo(a)anthracene

Concen: 2.118 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

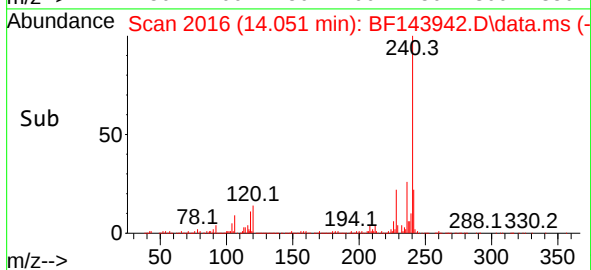
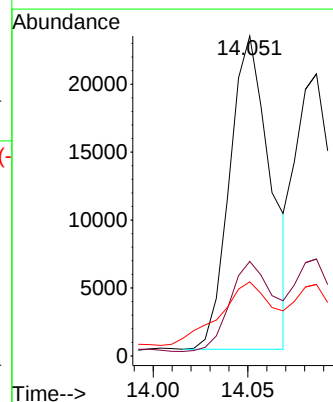
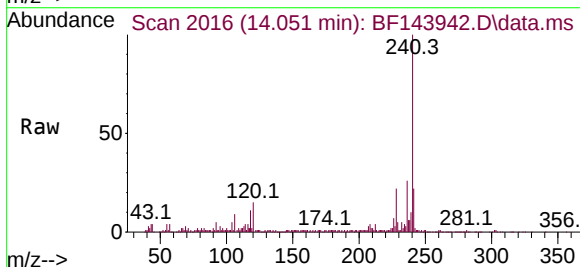
Tgt Ion:228 Resp: 34655

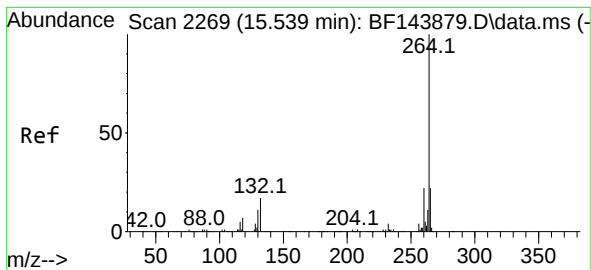
Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

Instrument :

BNA_F

ClientSampleId :

SED-07-0-2

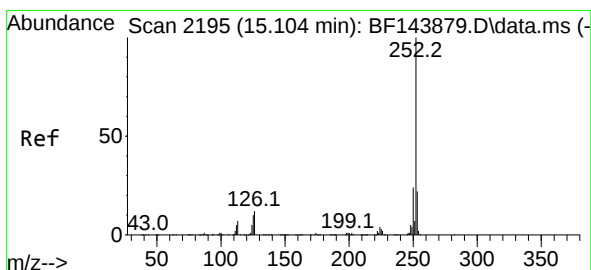
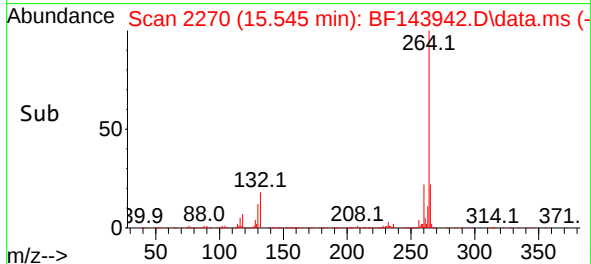
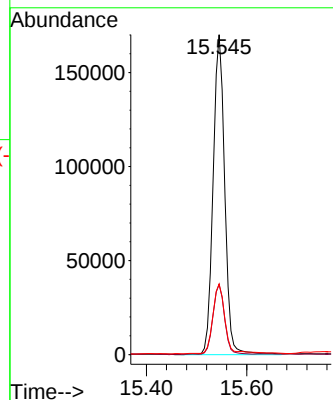
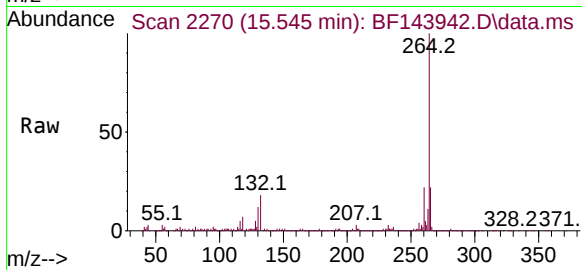
Tgt Ion:264 Resp: 272960

Ion Ratio Lower Upper

264 100

260 21.9 17.8 26.8

265 22.1 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.872 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143942.D

Acq: 13 Oct 2025 19:56

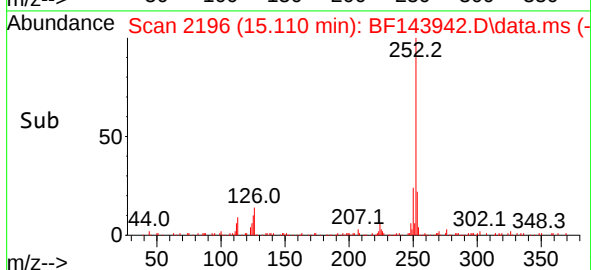
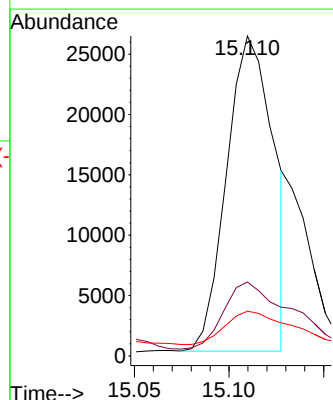
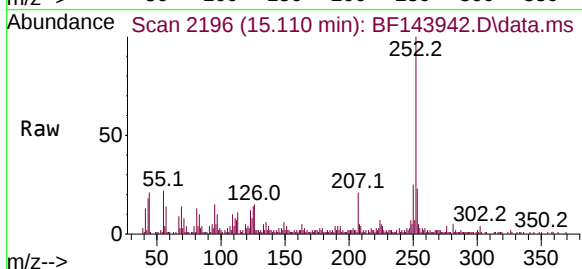
Tgt Ion:252 Resp: 45035

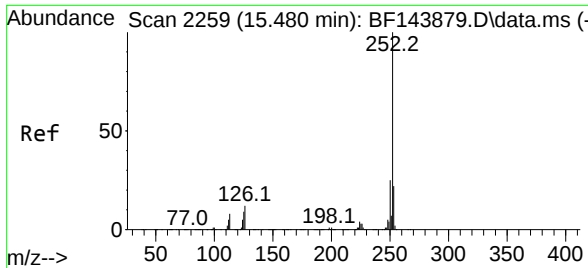
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 14.0 7.8 11.6#





#90
 Benzo(a)pyrene
 Concen: 2.287 ng
 RT: 15.480 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143942.D
 Acq: 13 Oct 2025 19:56

Instrument :
 BNA_F
 ClientSampleId :
 SED-07-0-2

Tgt Ion:252	Resp:	31100
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.3 25.9
125	15.5	7.0 10.4#

