

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142587.D
 Acq On : 30 May 2025 23:41
 Operator : RC/JU
 Sample : Q2153-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-0592025

Quant Time: May 31 00:12:32 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)

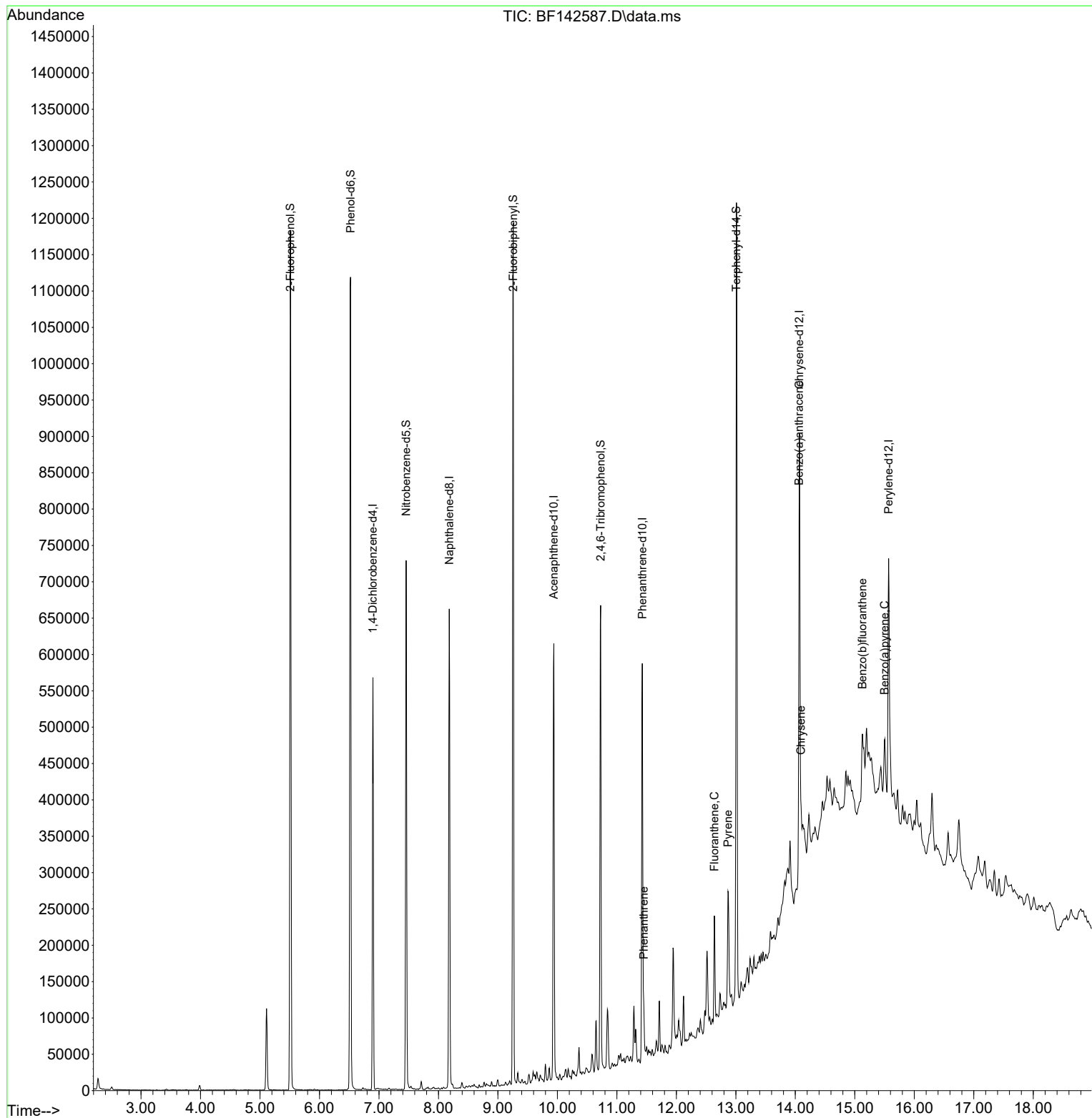
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	121735	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	420120	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	181376	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	285386	20.000	ng	0.00
76) Chrysene-d12	14.069	240	270593	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	199492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	450647	62.367	ng	0.00
7) Phenol-d6	6.522	99	533458	61.331	ng	-0.01
23) Nitrobenzene-d5	7.457	82	300430	38.994	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	115502	57.377	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	537043	39.732	ng	-0.01
79) Terphenyl-d14	13.010	244	539743	27.258	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.451	178	37953	2.488	ng	99
75) Fluoranthene	12.639	202	84405	5.923	ng	98
78) Pyrene	12.869	202	87731	3.476	ng	97
81) Benzo(a)anthracene	14.063	228	46678	2.583	ng	# 86
83) Chrysene	14.092	228	44883	2.764	ng	# 92
88) Benzo(b)fluoranthene	15.127	252	43915m	3.719	ng	
90) Benzo(a)pyrene	15.504	252	32360	2.908	ng	# 83

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

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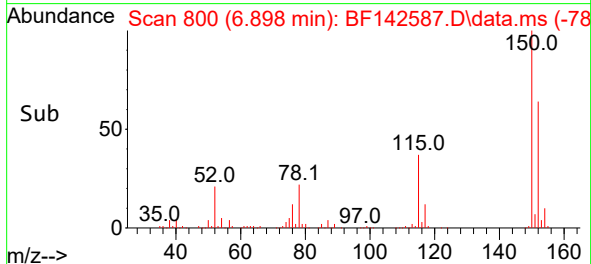
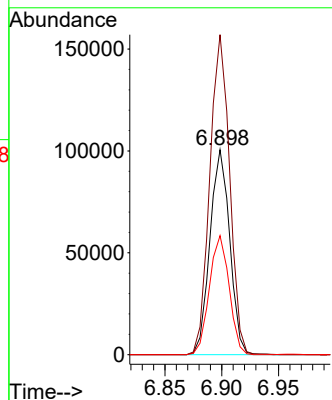
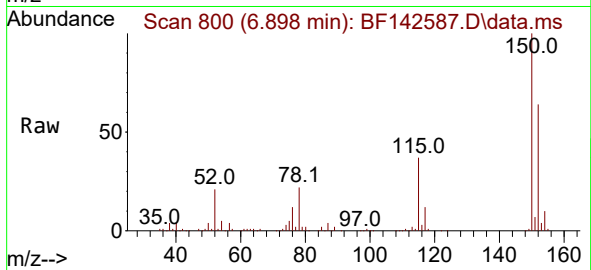




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

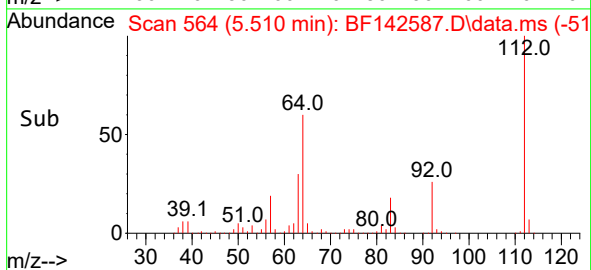
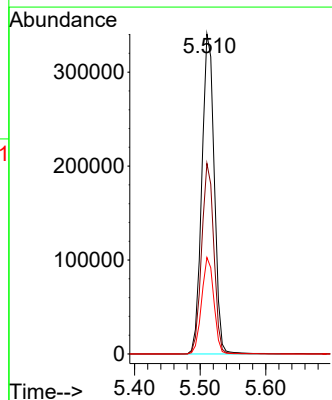
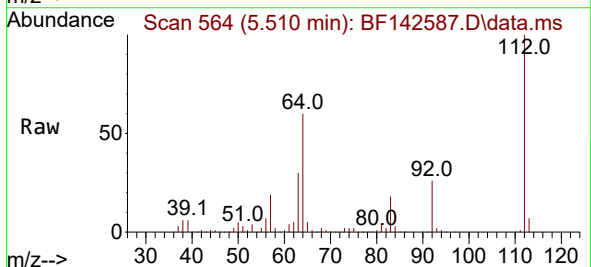
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

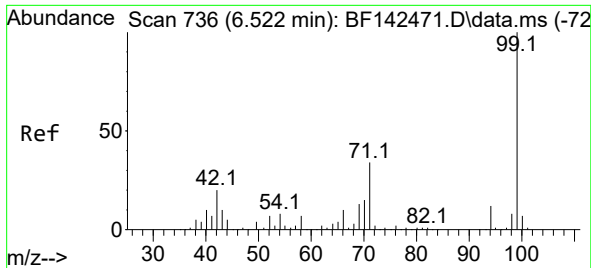
Tgt Ion:152 Resp: 121735
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 58.1 48.3 72.5



#5
2-Fluorophenol
Concen: 62.367 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion:112 Resp: 450647
Ion Ratio Lower Upper
112 100
64 59.6 47.5 71.3
63 30.2 24.9 37.3





#7

Phenol-d6

Concen: 61.331 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

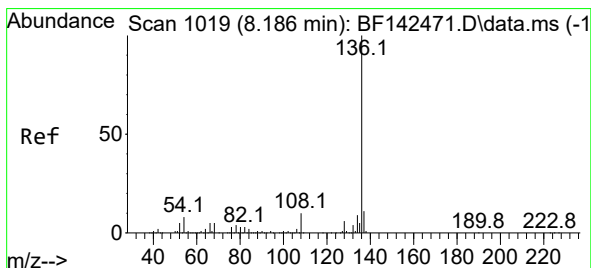
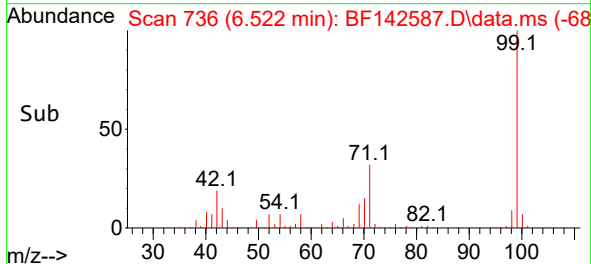
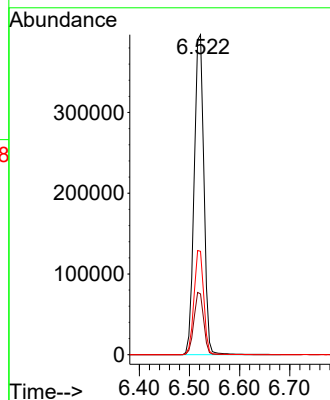
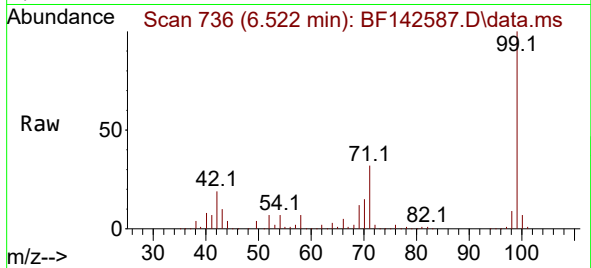
Tgt Ion: 99 Resp: 533458

Ion Ratio Lower Upper

99 100

42 19.0 16.2 24.2

71 32.3 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: BF142587.D

Acq: 30 May 2025 23:41

Tgt Ion:136 Resp: 420120

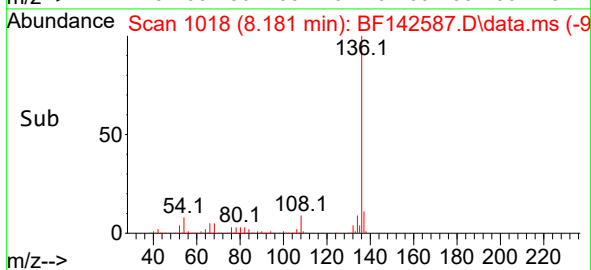
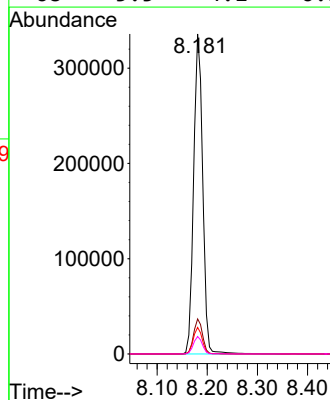
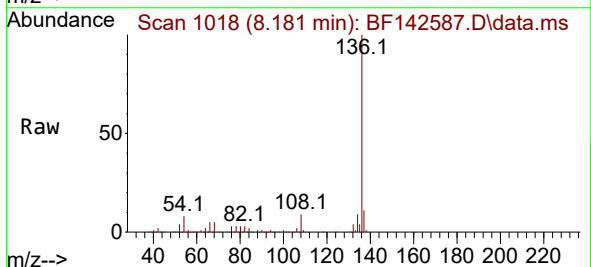
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.3 6.6 10.0

68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 38.994 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

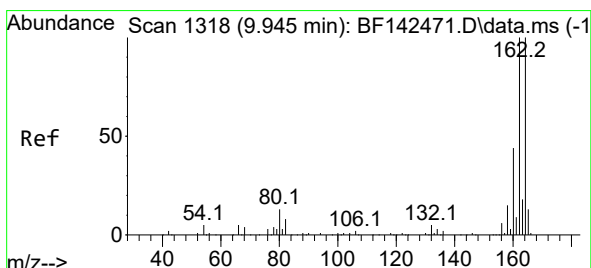
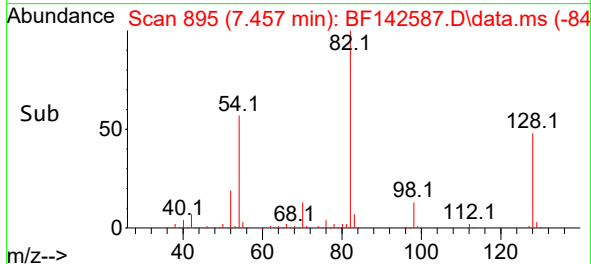
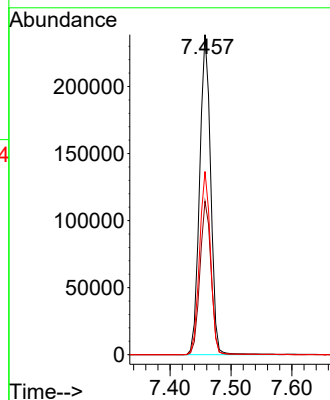
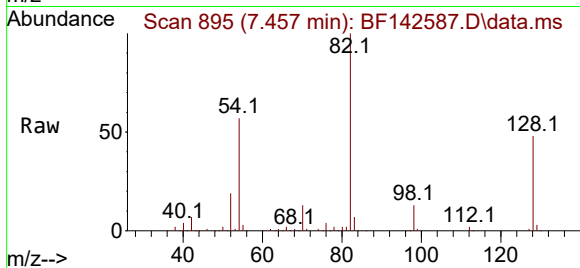
Tgt Ion: 82 Resp: 300430

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.3 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

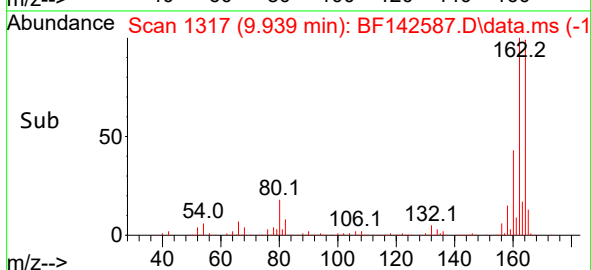
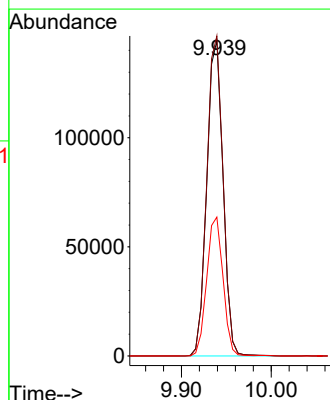
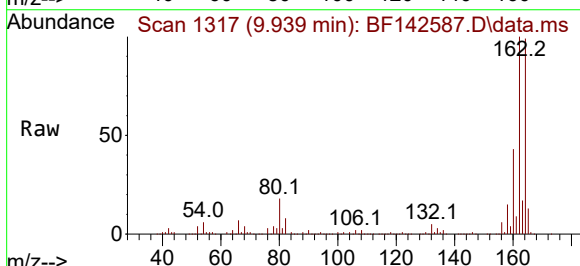
Tgt Ion:164 Resp: 181376

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.4

160 44.1 35.6 53.4

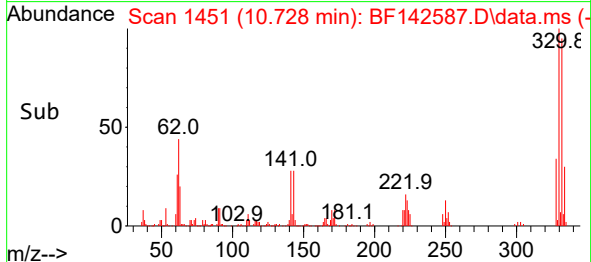
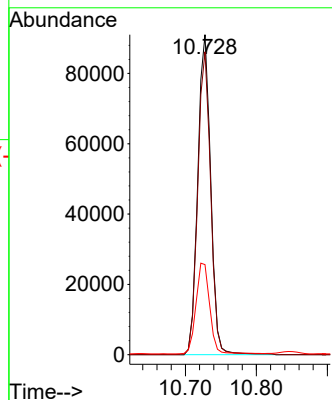
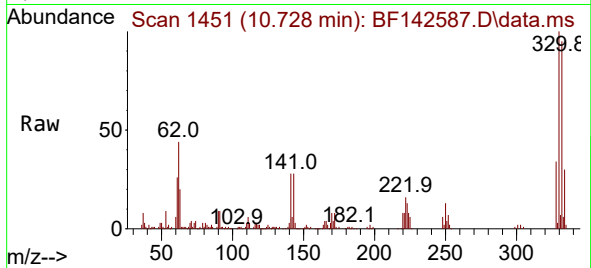




#42
2,4,6-Tribromophenol
Concen: 57.377 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

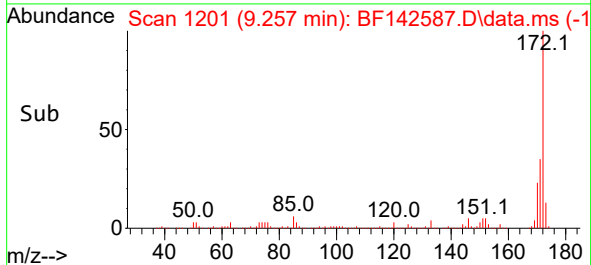
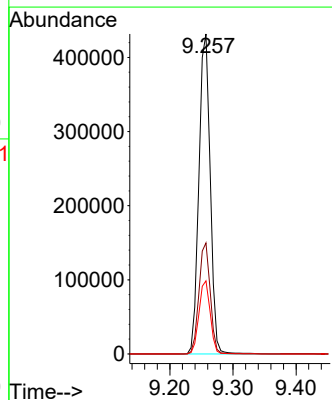
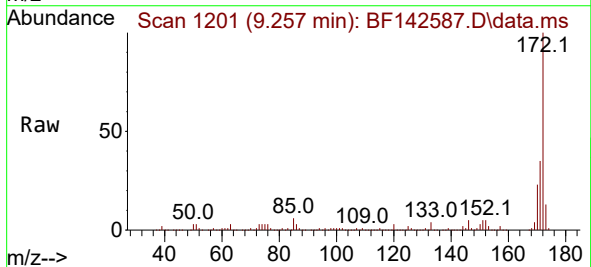
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

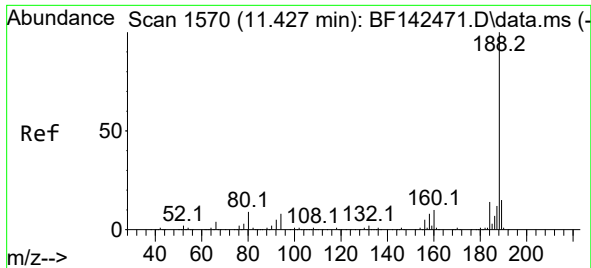
Tgt Ion:330 Resp: 115502
Ion Ratio Lower Upper
330 100
332 94.7 77.6 116.4
141 30.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 39.732 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion:172 Resp: 537043
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.8 18.9 28.3

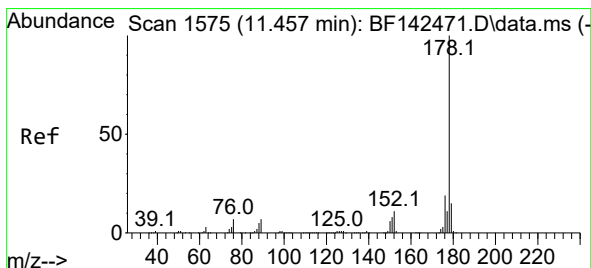
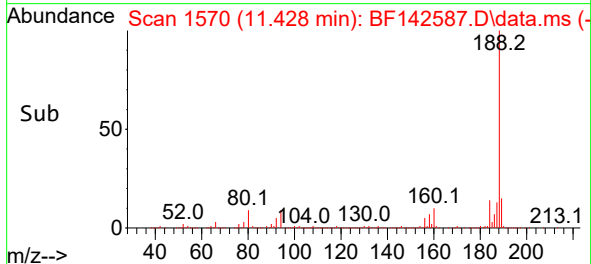
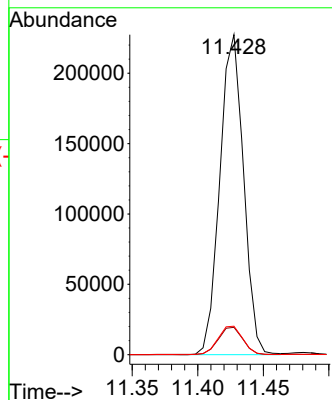
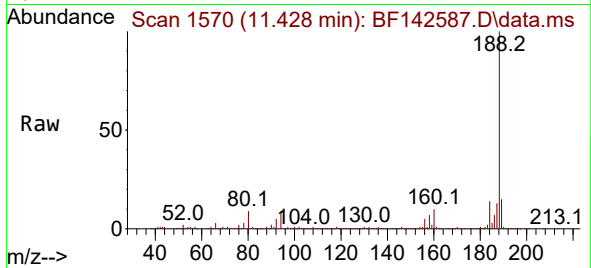




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

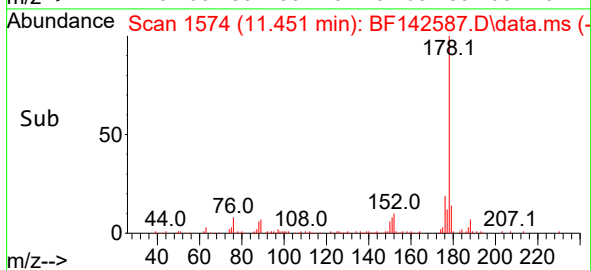
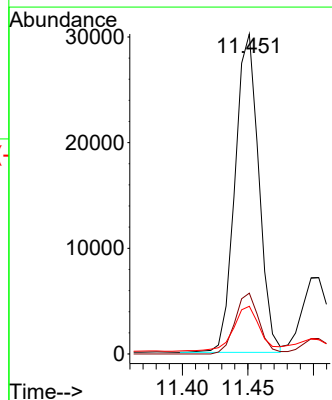
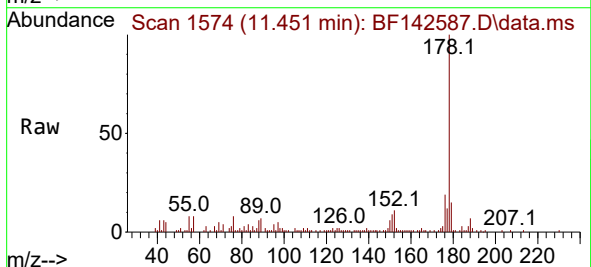
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

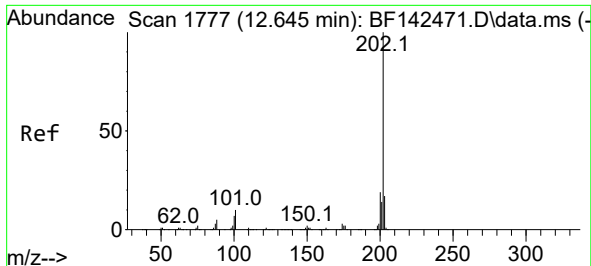
Tgt Ion:188 Resp: 285386
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 8.9 7.4 11.0



#71
Phenanthrene
Concen: 2.488 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion:178 Resp: 37953
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 14.9 12.3 18.5

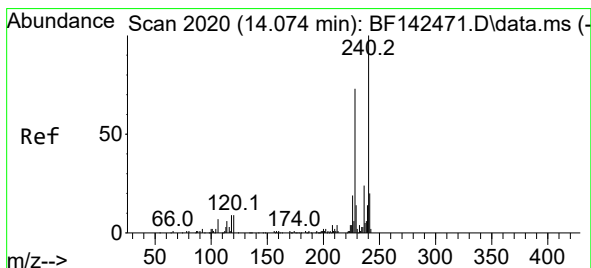
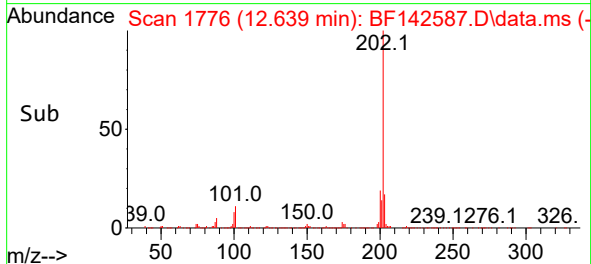
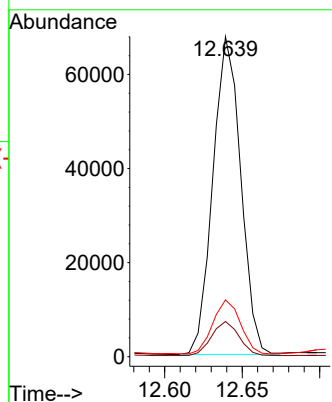
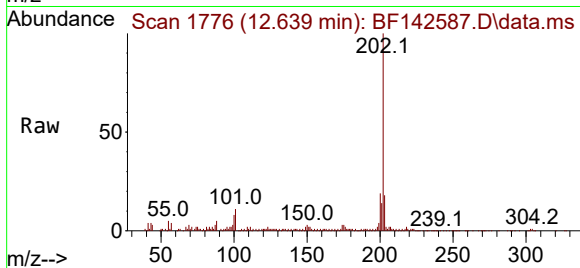




#75
Fluoranthene
Concen: 5.923 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

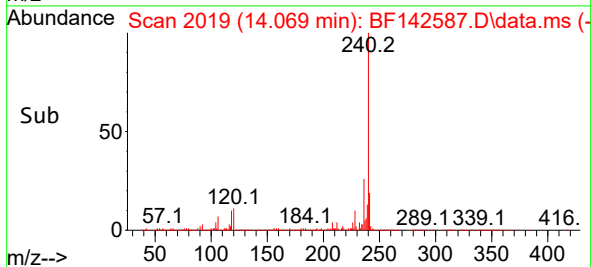
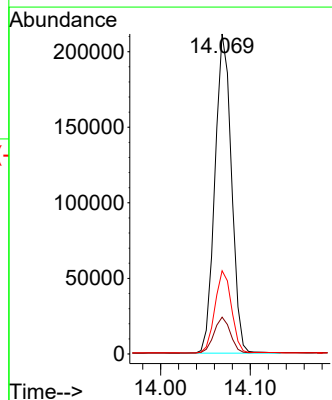
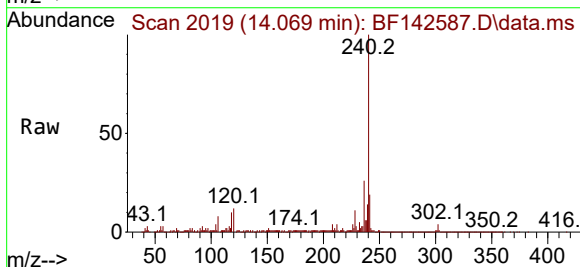
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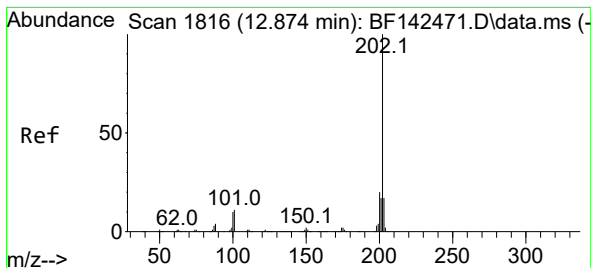
Tgt Ion:202 Resp: 84405
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion:240 Resp: 270593
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 26.0 19.6 29.4





#78

Pyrene

Concen: 3.476 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

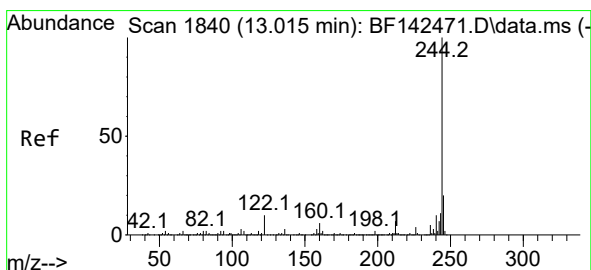
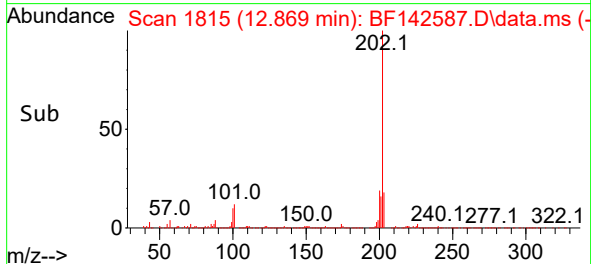
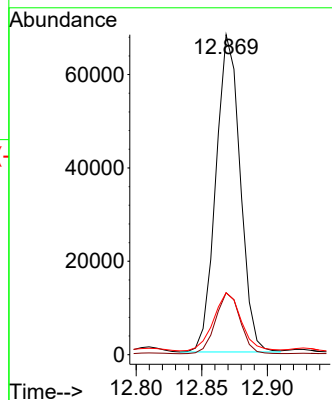
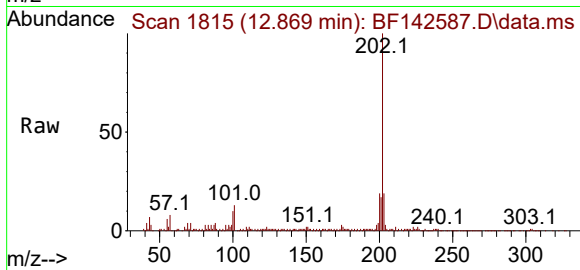
Tgt Ion:202 Resp: 87731

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 19.4 13.9 20.9



#79

Terphenyl-d14

Concen: 27.258 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

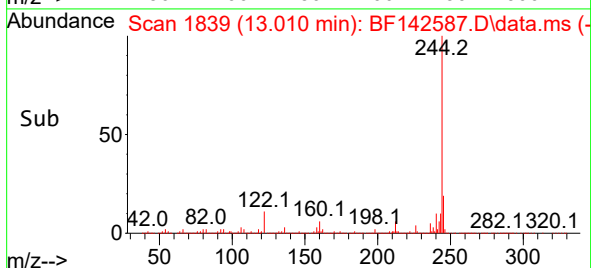
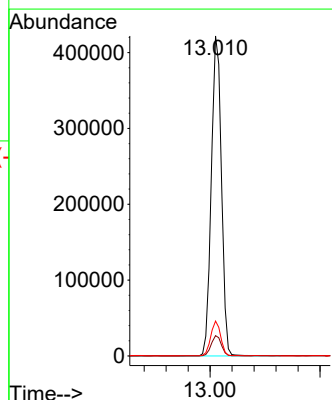
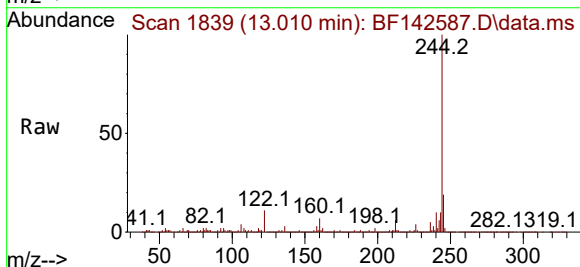
Tgt Ion:244 Resp: 539743

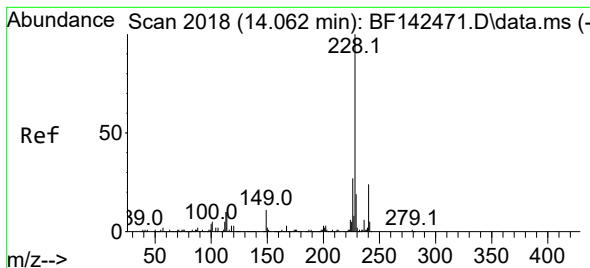
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 10.9 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.583 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

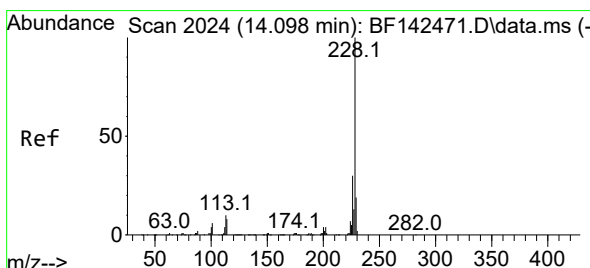
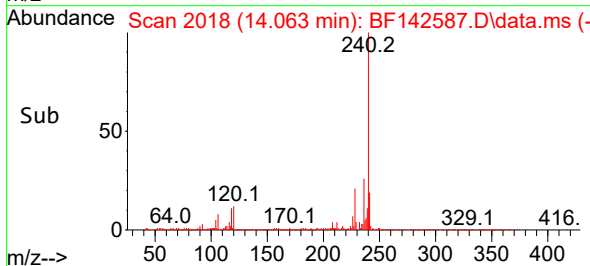
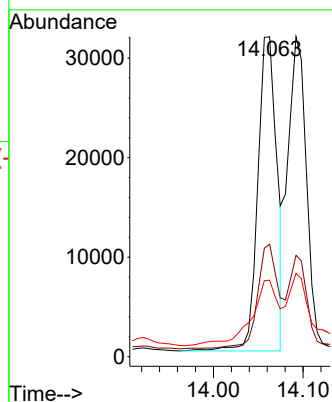
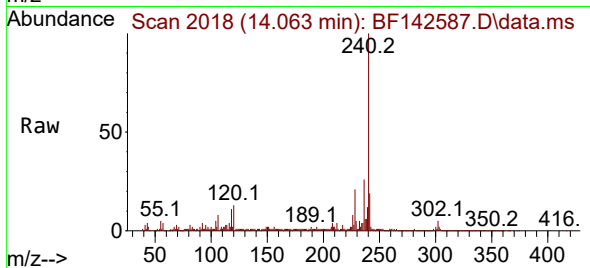
Tgt Ion:228 Resp: 46678

Ion Ratio Lower Upper

228 100

226 35.2 21.2 31.8#

229 23.9 15.5 23.3#



#83

Chrysene

Concen: 2.764 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

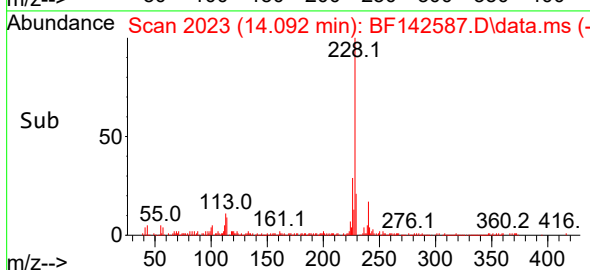
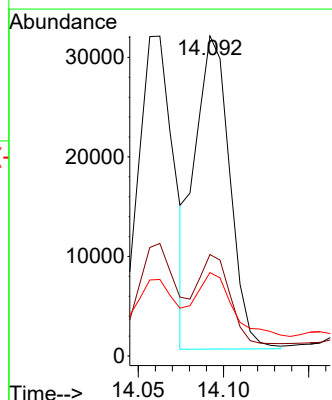
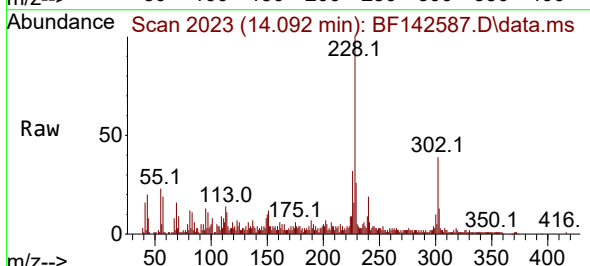
Tgt Ion:228 Resp: 44883

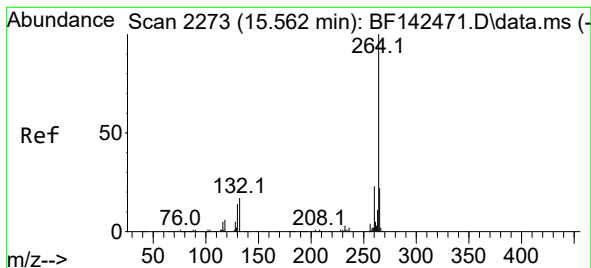
Ion Ratio Lower Upper

228 100

226 31.7 23.8 35.6

229 26.1 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

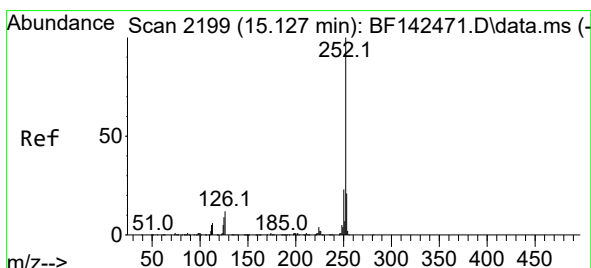
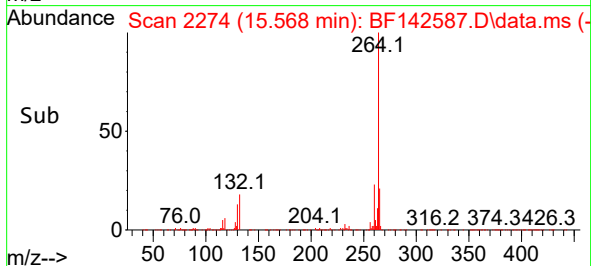
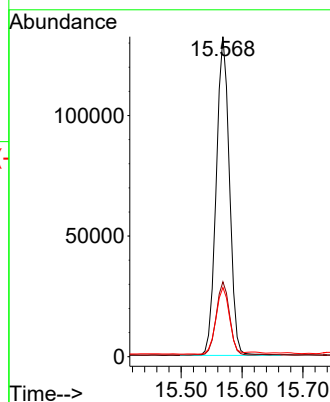
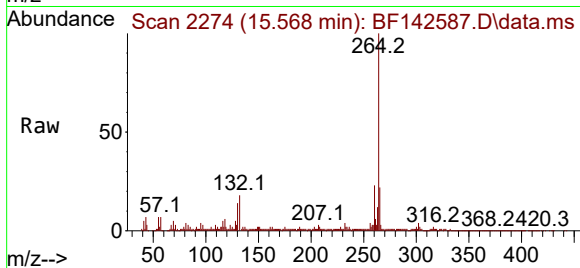
Tgt Ion:264 Resp: 199492

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.6 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 3.719 ng m

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

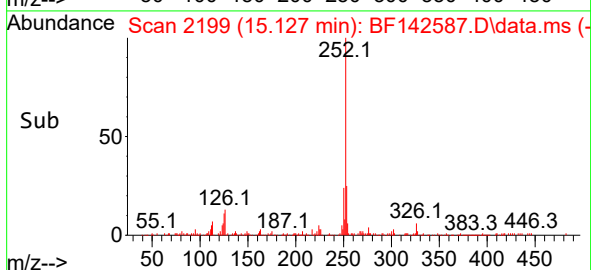
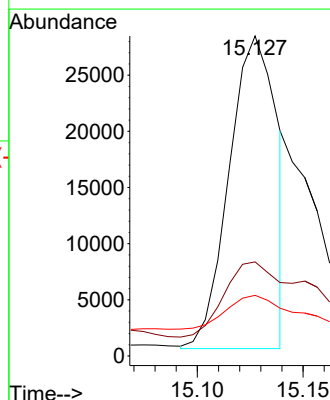
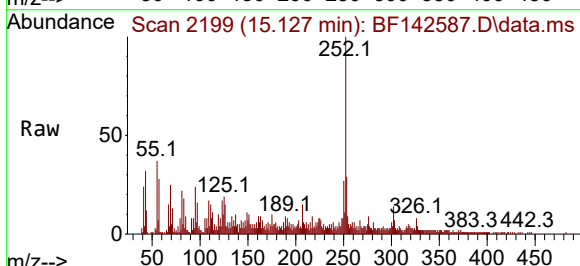
Tgt Ion:252 Resp: 43915

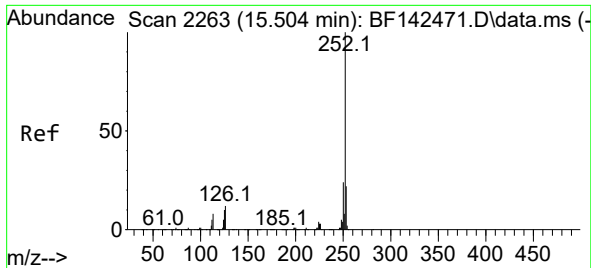
Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.4#

125 19.0 7.4 11.0#





#90
 Benzo(a)pyrene
 Concen: 2.908 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142587.D
 Acq: 30 May 2025 23:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-0592025

Tgt Ion:252 Resp: 32360
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.4 26.0#
 125 20.5 7.9 11.9#

