

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

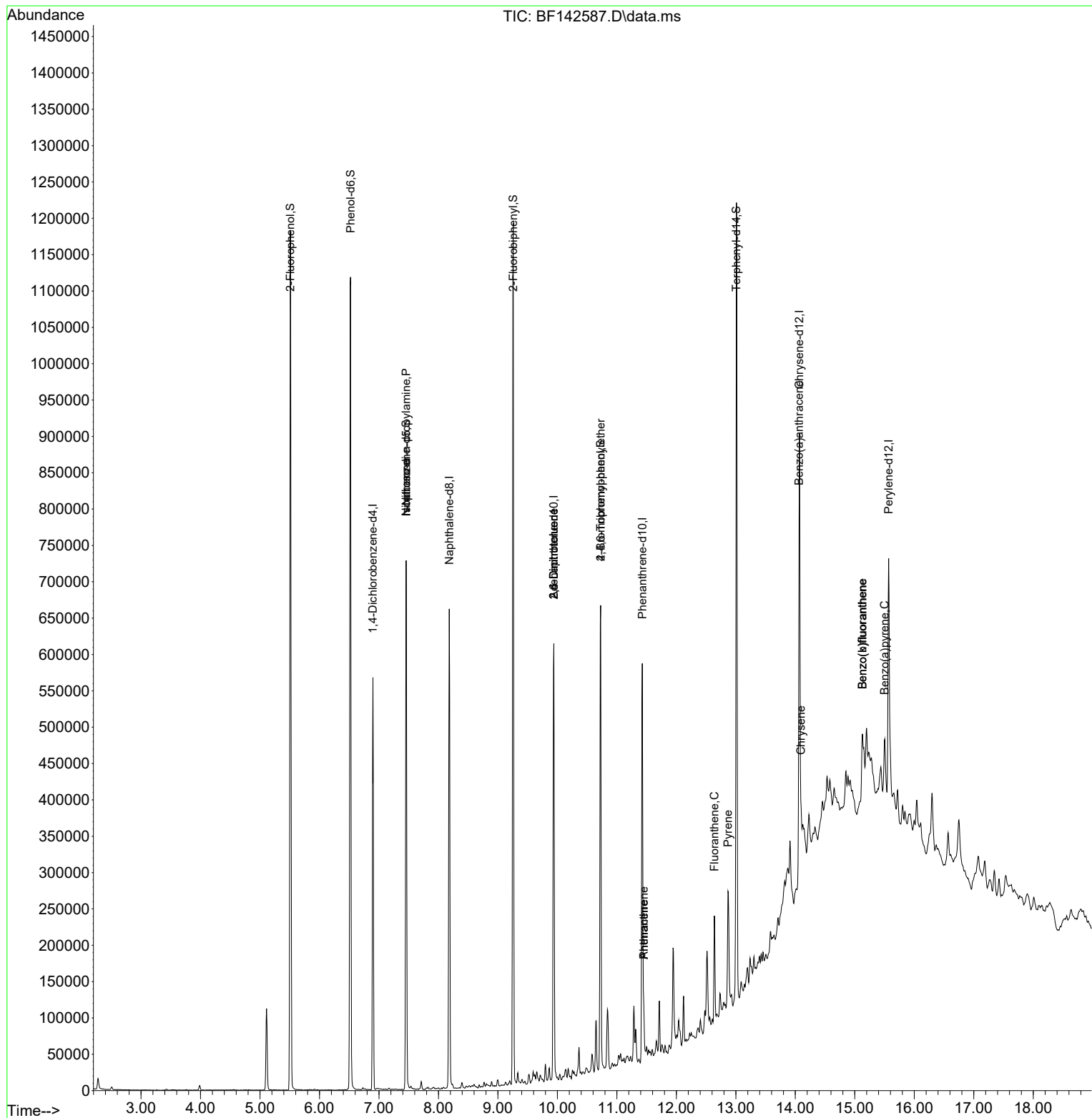
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	121735	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	420120	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	181376	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	285386	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	7.457	70	39976	7.416	ng	# 76
25) Isophorone	7.457	82	288661	22.409	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	24834	9.614	ng	# 28
57) 2,4-Dinitrotoluene	9.939	165	24834	7.362	ng	# 28
67) 4-Bromophenyl-phenylether	10.728	248	7331	2.172	ng	# 1
71) Phenanthrene	11.451	178	37953	2.488	ng	99
72) Anthracene	11.451	178	37953	2.438	ng	98
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	63357	5.366	ng	# 80
89) Benzo(k)fluoranthene	15.127	252	63357	5.729	ng	# 80
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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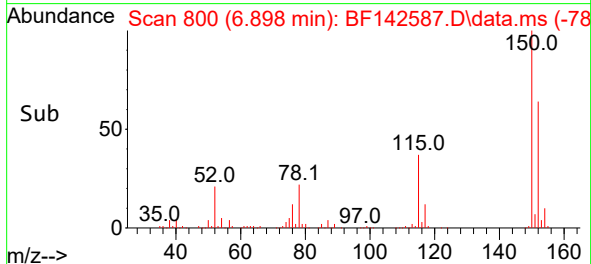
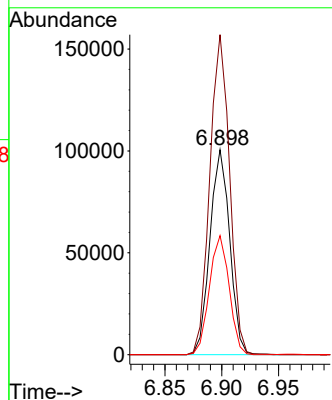
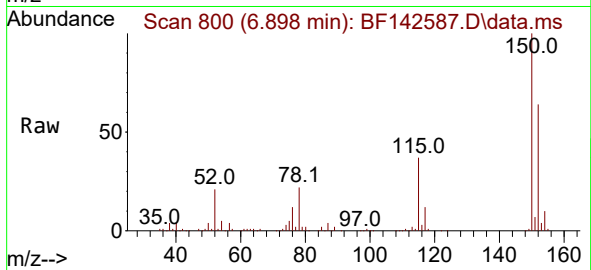




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

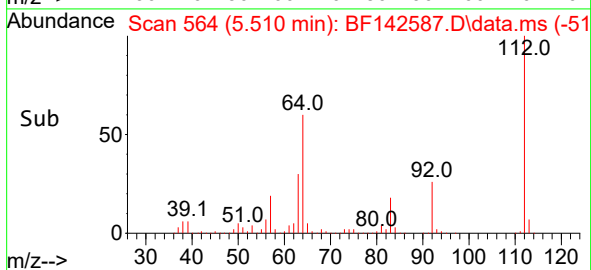
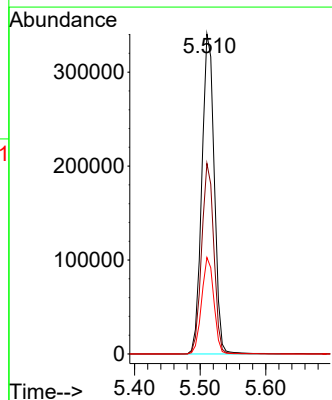
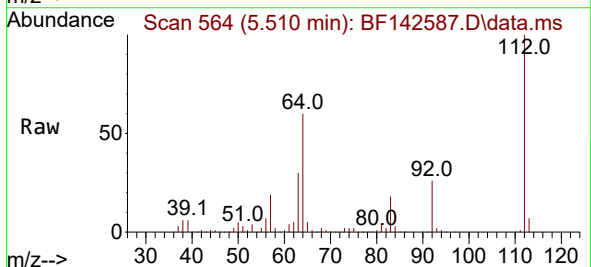
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

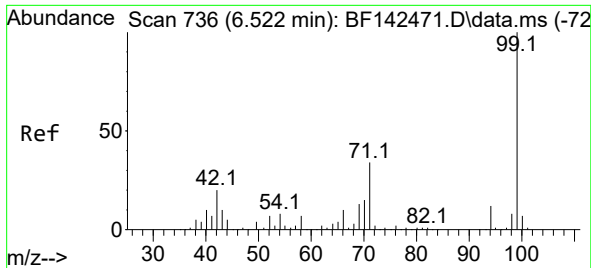
Tgt Ion:152 Resp: 121735
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 58.1 48.3 72.5



#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

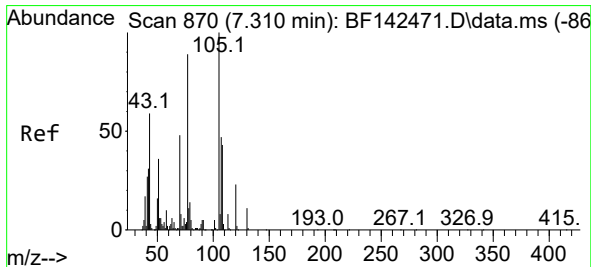
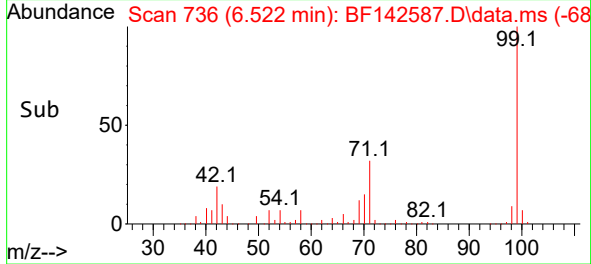
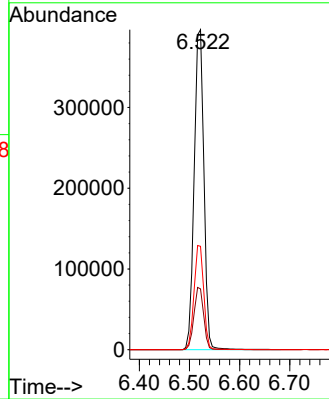
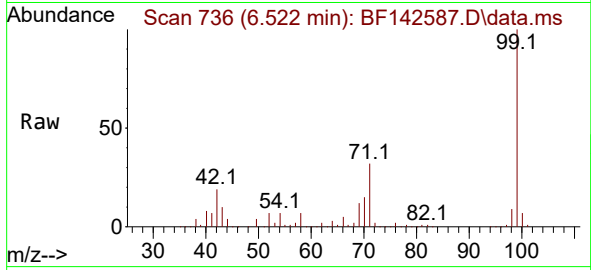




#7
Phenol-d6
Concen: 61.331 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

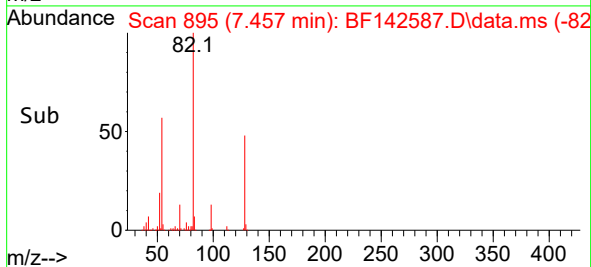
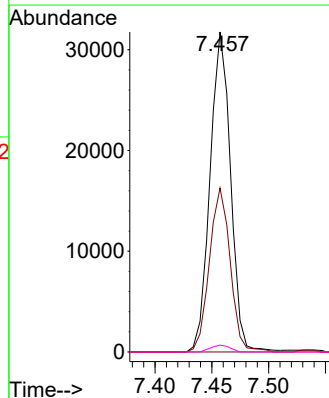
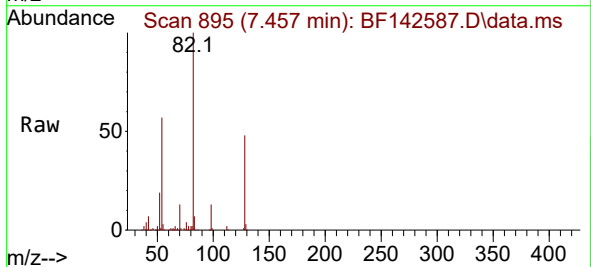
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

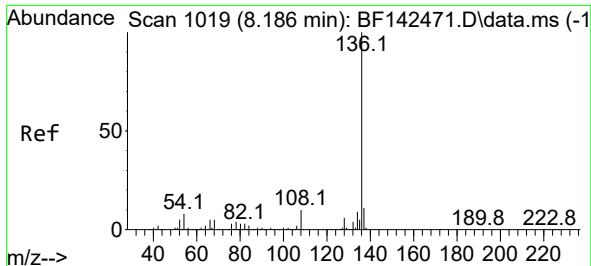
Tgt Ion: 99 Resp: 533458
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.416 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion: 70 Resp: 39976
Ion Ratio Lower Upper
70 100
42 51.3 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

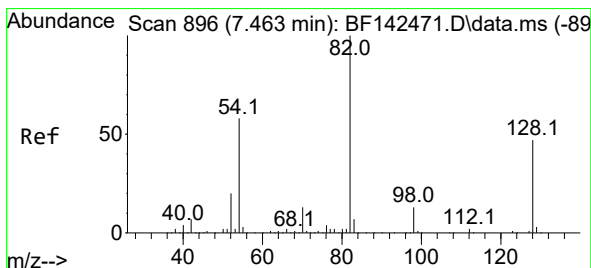
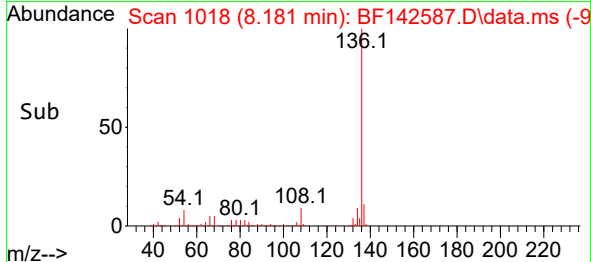
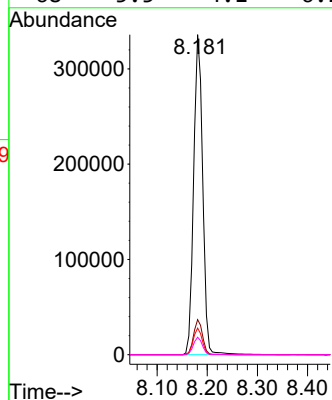
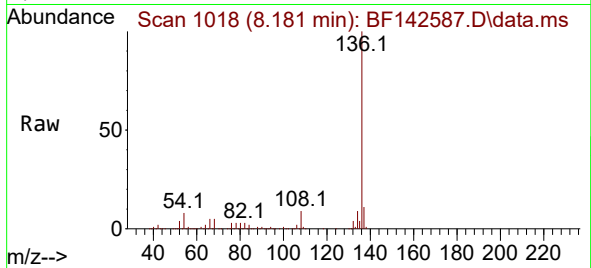




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

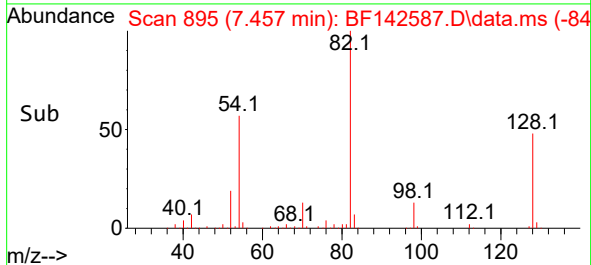
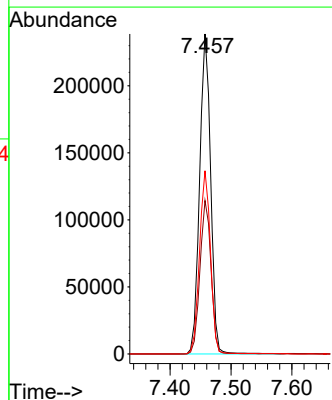
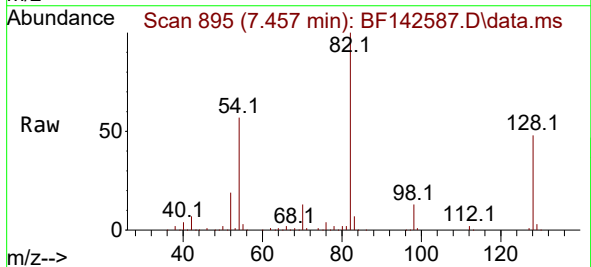
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

Tgt Ion: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

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

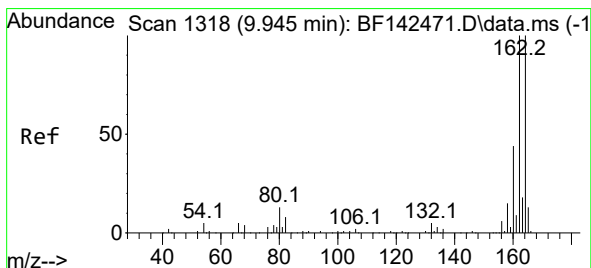
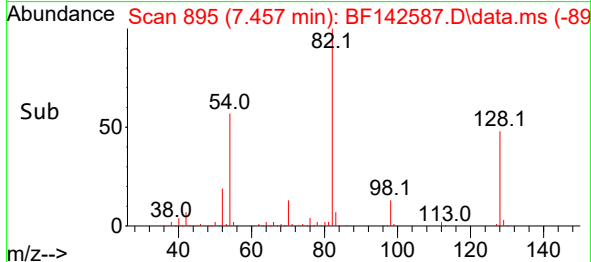
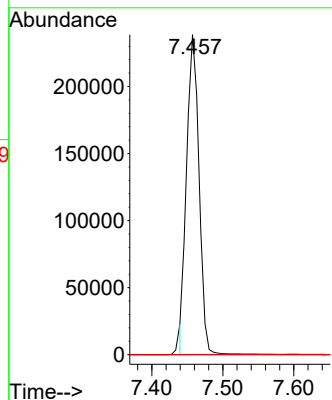
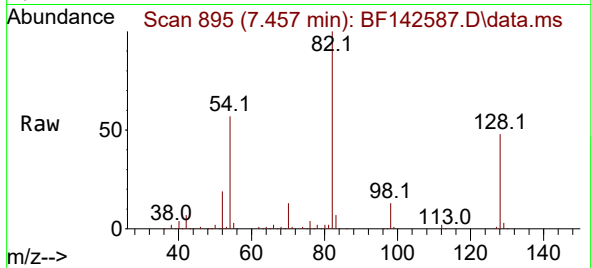




#25
Isophorone
Concen: 22.409 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

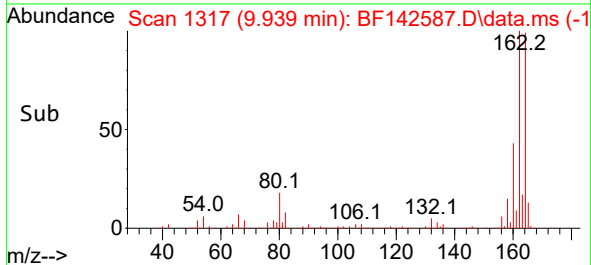
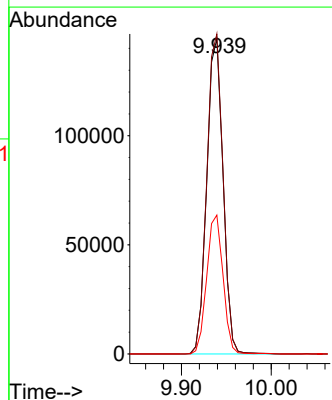
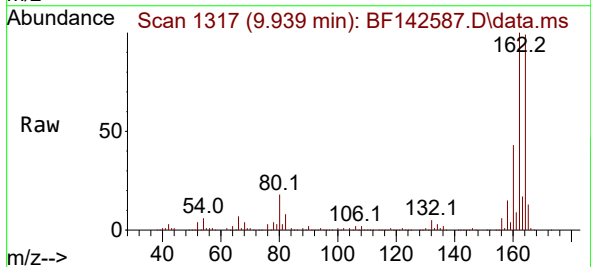
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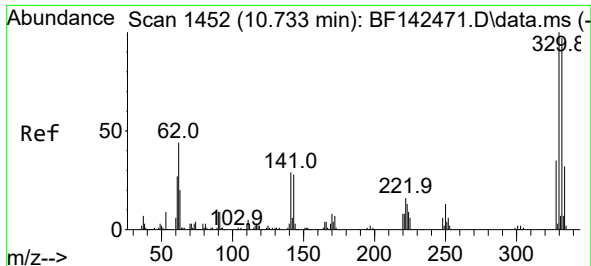
Tgt Ion: 82 Resp: 288661
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#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

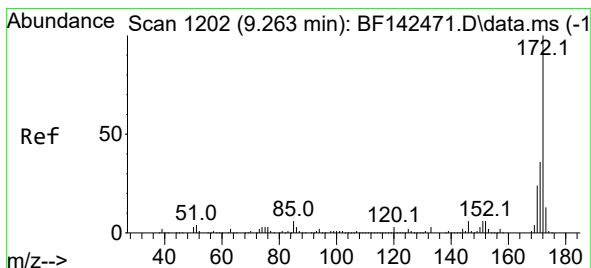
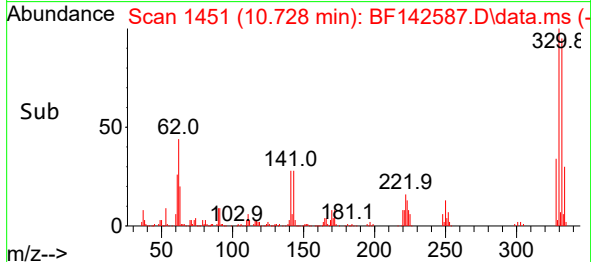
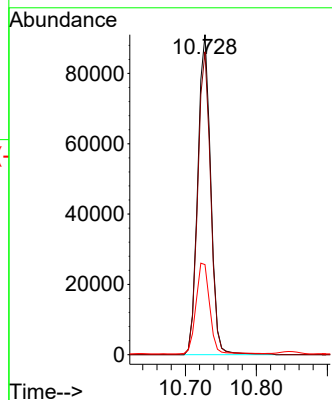
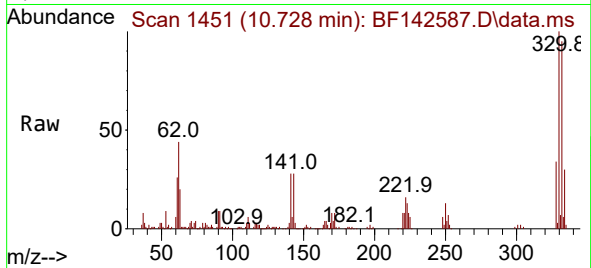




#42
2,4,6-Tribromophenol
Concen: 57.377 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

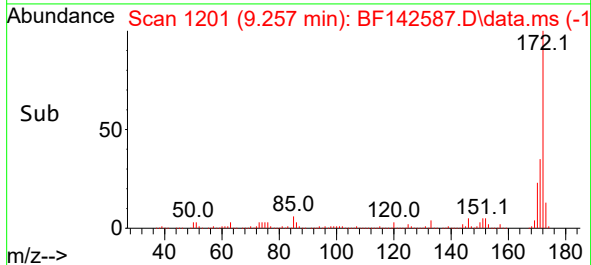
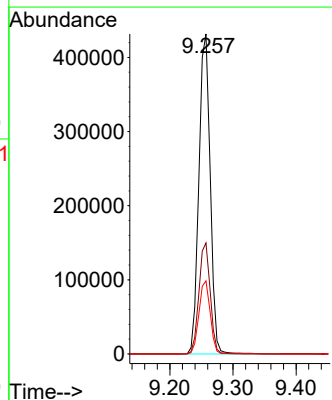
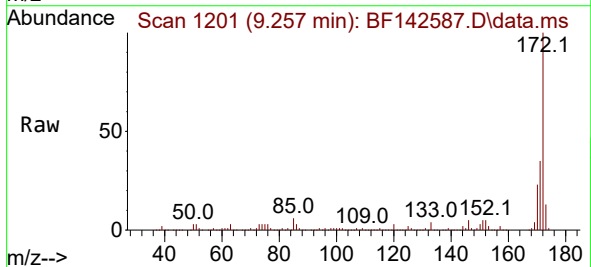
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ClientSampleId :
TR-04-0592025

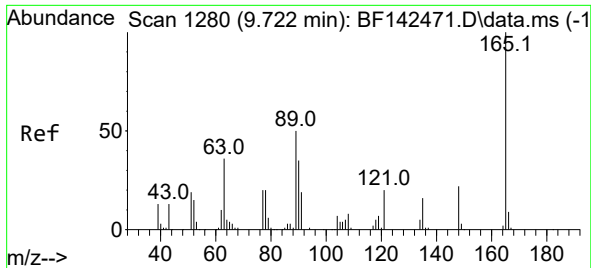
Tgt Ion:330 Resp: 115502
Ion Ratio Lower Upper
330 100
332 94.7 77.6 116.4
141 30.1 24.6 36.8



#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

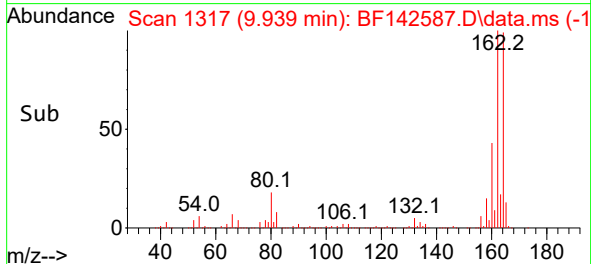
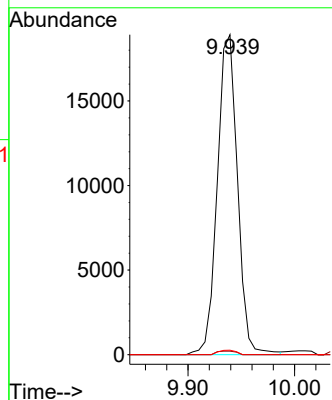
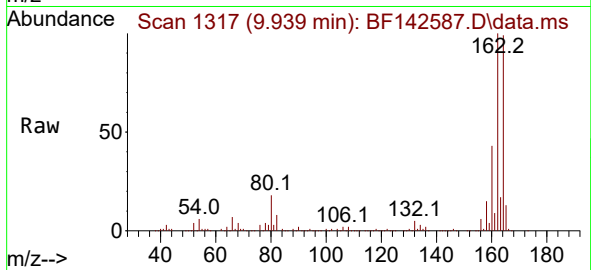




#51
2,6-Dinitrotoluene
Concen: 9.614 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

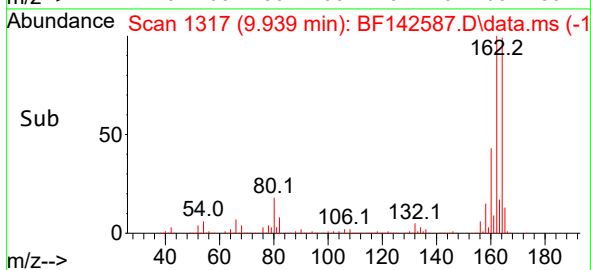
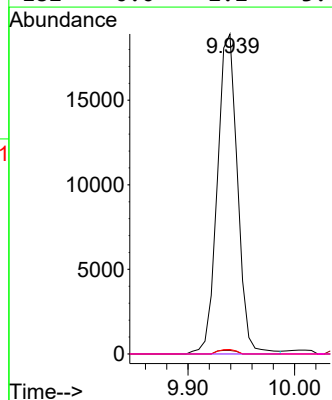
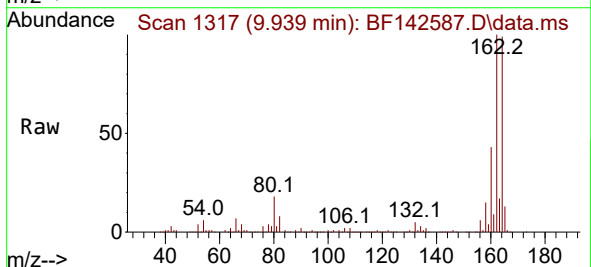
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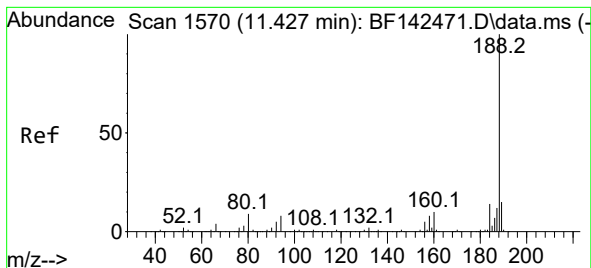
Tgt Ion:165 Resp: 24834
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.4 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.362 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

Tgt Ion:165 Resp: 24834
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.4 50.2 75.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNA_F

ClientSampleId :

TR-04-0592025

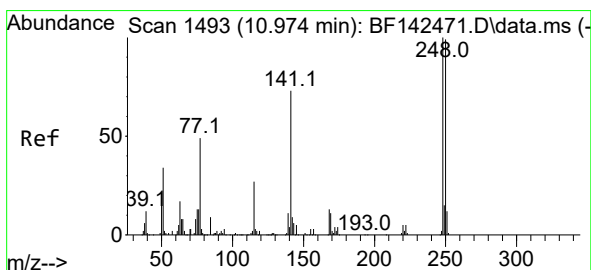
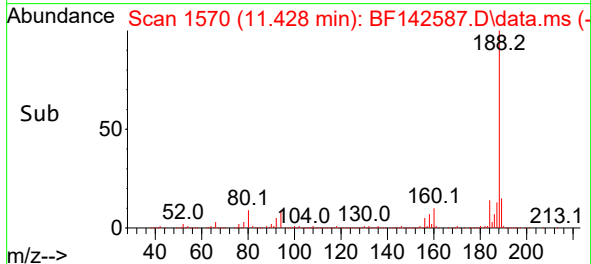
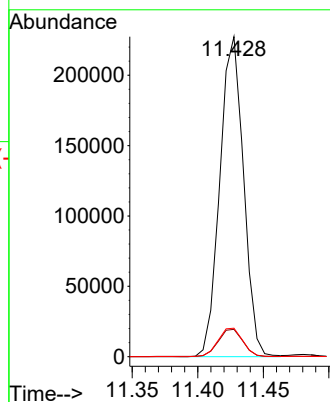
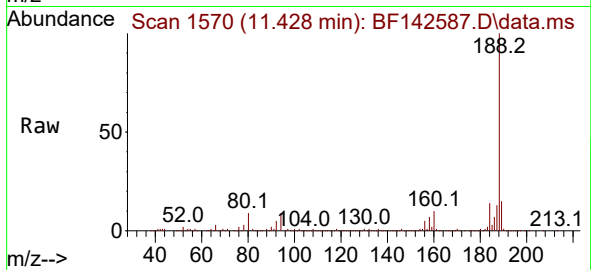
Tgt Ion:188 Resp: 285386

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 8.9 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.172 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

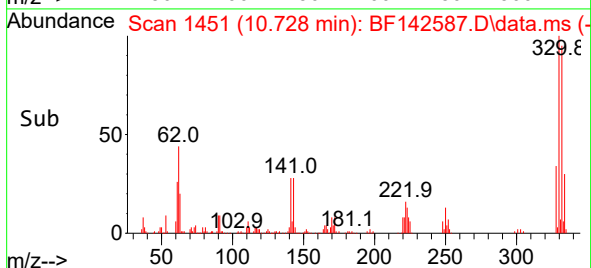
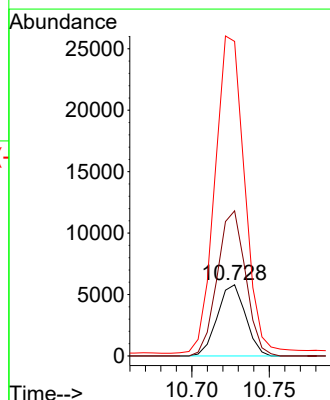
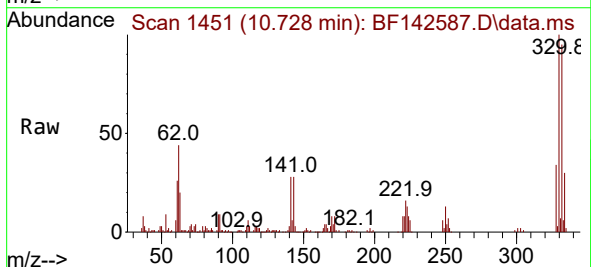
Tgt Ion:248 Resp: 7331

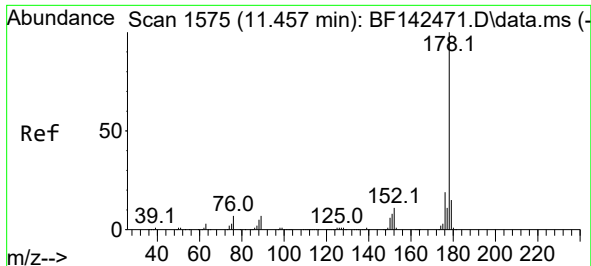
Ion Ratio Lower Upper

248 100

250 203.7 79.0 118.4#

141 441.6 58.4 87.6#

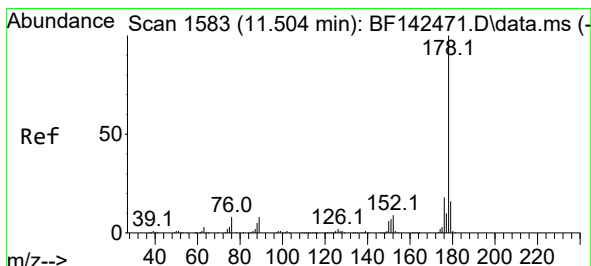
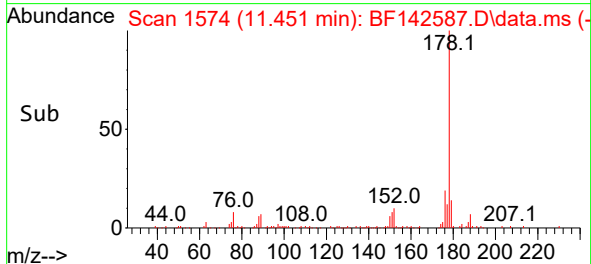
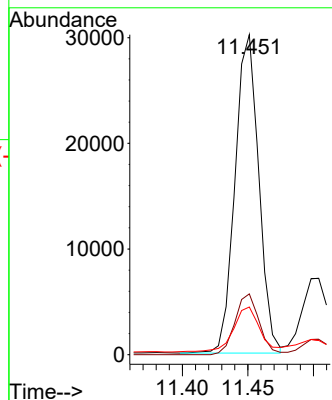
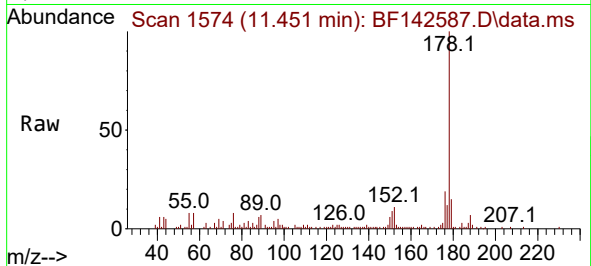




#71
Phenanthrene
Concen: 2.488 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

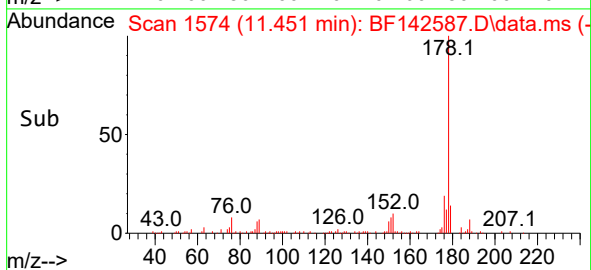
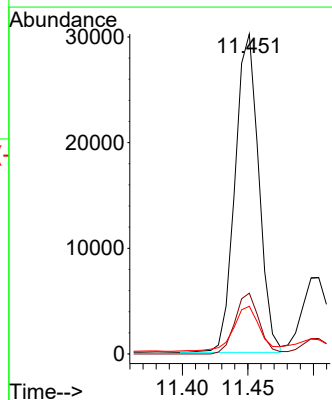
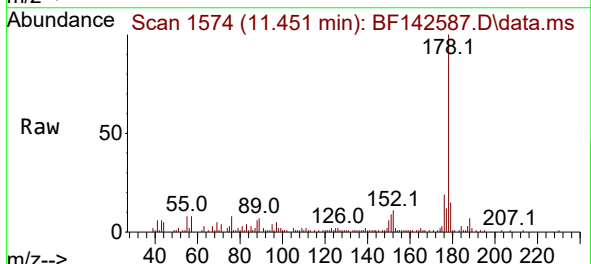
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

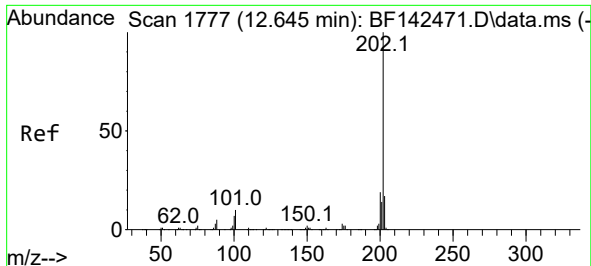
Tgt Ion:178 Resp: 37953
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 14.9 12.3 18.5



#72
Anthracene
Concen: 2.438 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.059 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 14.6 21.8
179 14.9 12.4 18.6

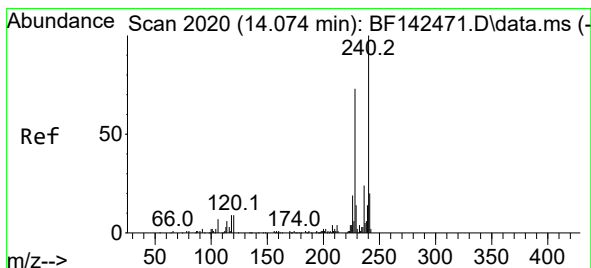
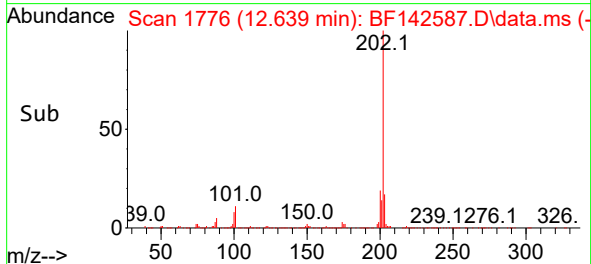
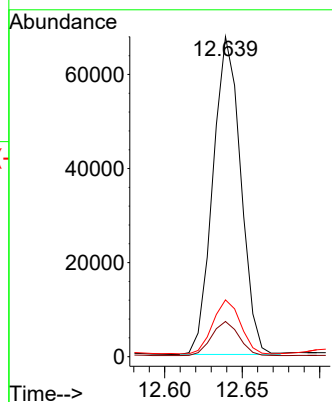
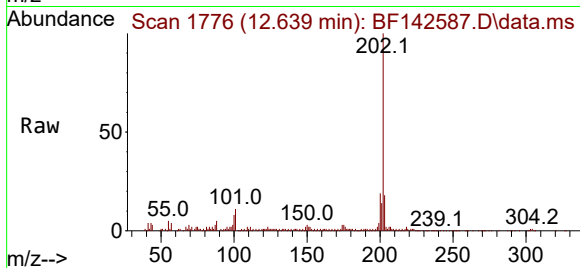




#75
Fluoranthene
Concen: 5.923 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142587.D
Acq: 30 May 2025 23:41

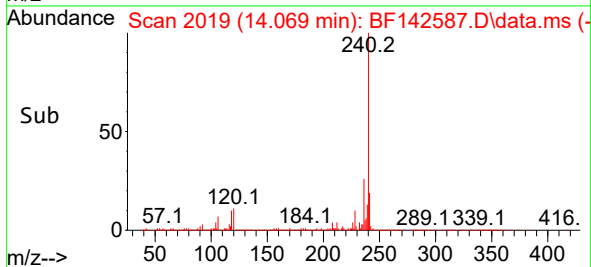
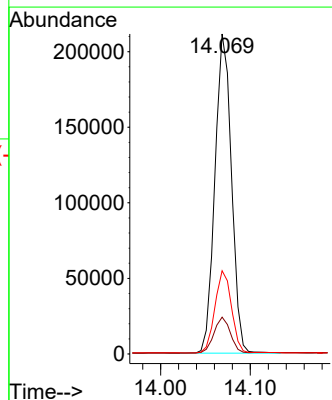
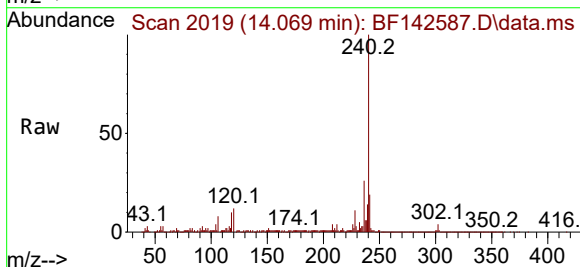
Instrument :
BNA_F
ClientSampleId :
TR-04-0592025

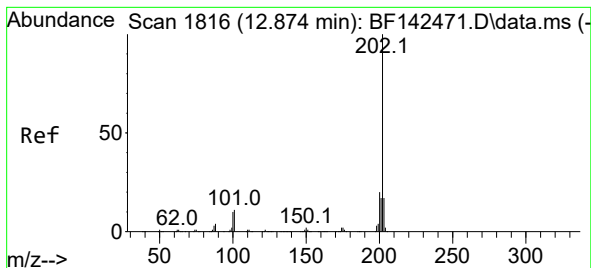
Tgt Ion:202 Resp: 84405
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 17.8 0.0 37.2



#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

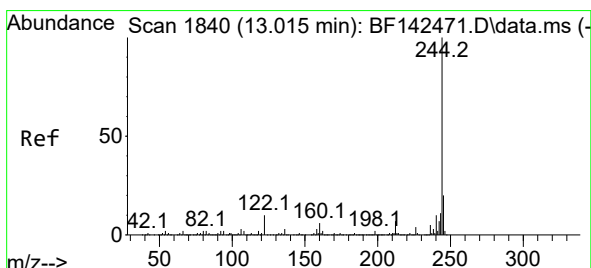
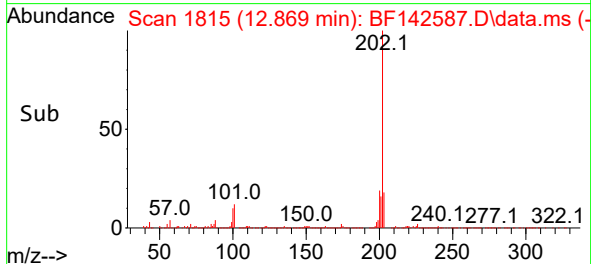
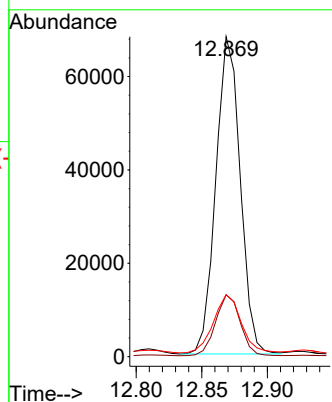
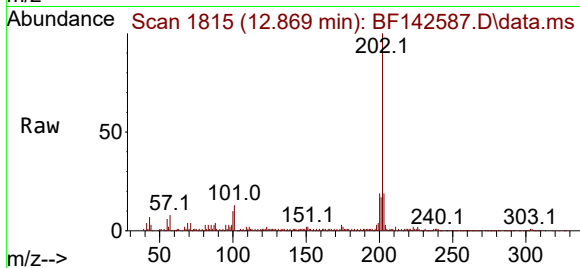
Tgt Ion:202 Resp: 87731

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

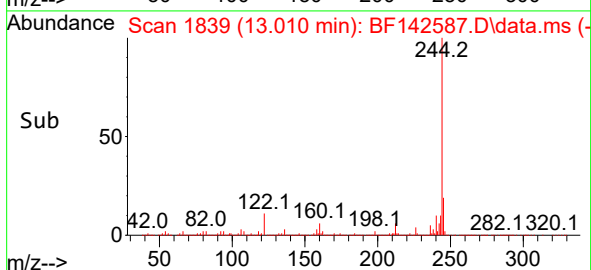
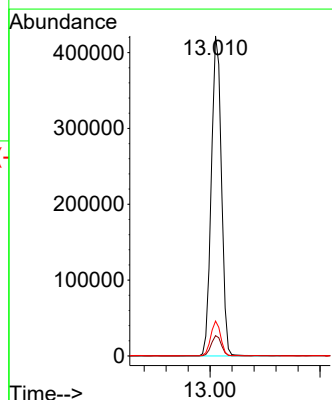
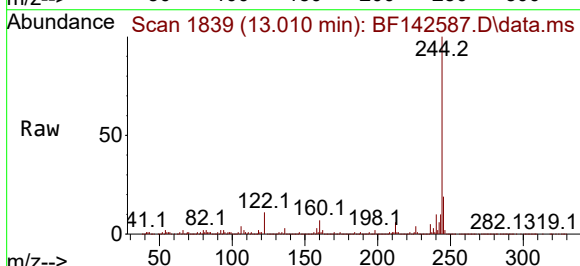
Tgt Ion:244 Resp: 539743

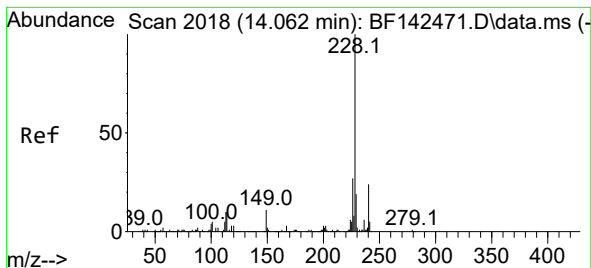
Ion Ratio Lower Upper

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

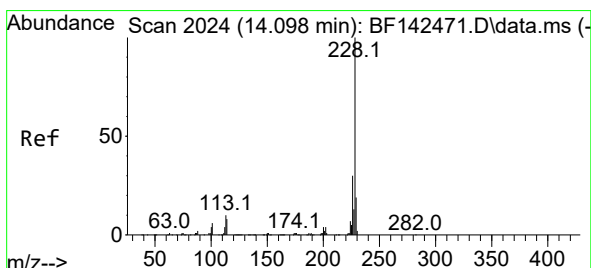
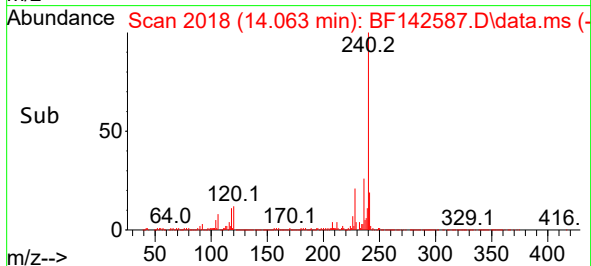
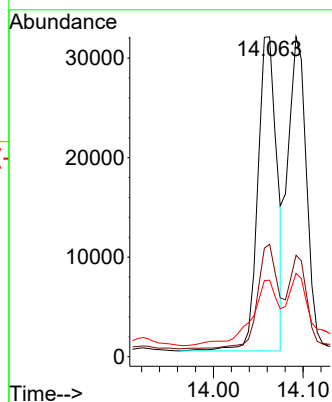
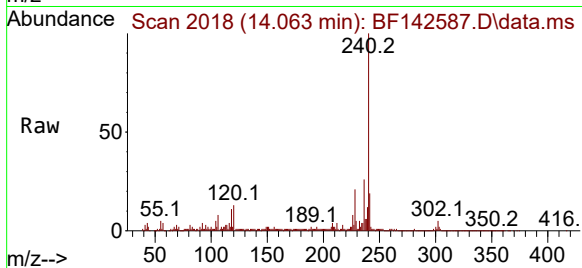
Tgt Ion:228 Resp: 46678

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

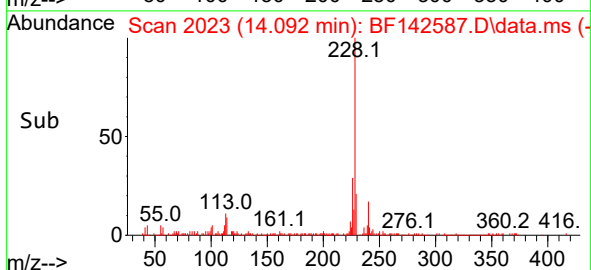
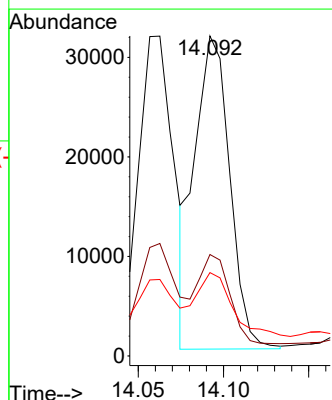
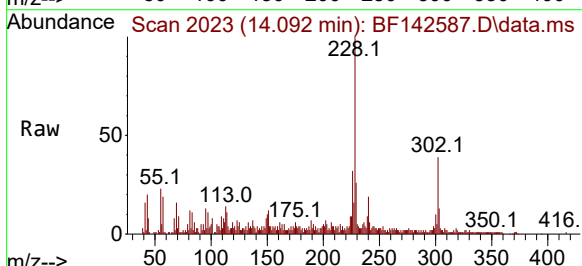
Tgt Ion:228 Resp: 44883

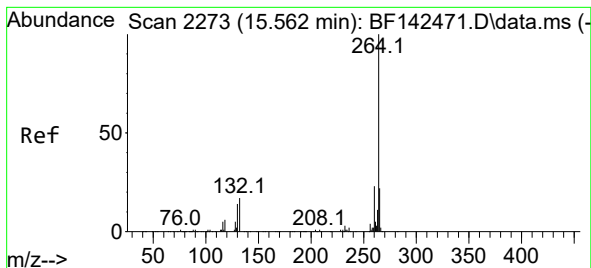
Ion Ratio Lower Upper

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

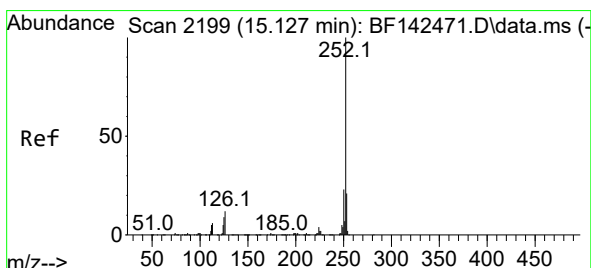
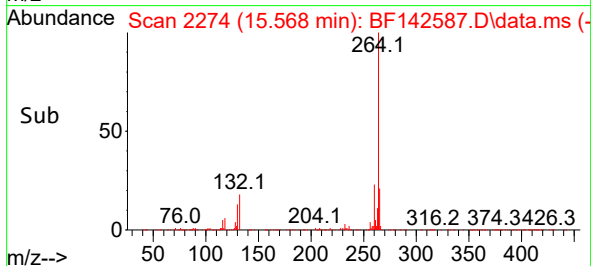
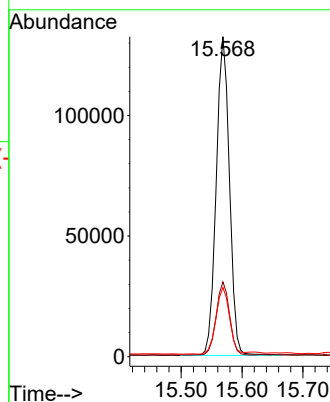
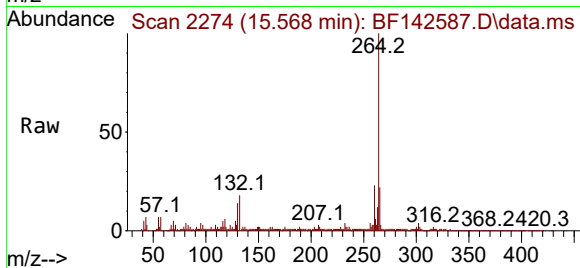
Tgt Ion:264 Resp: 199492

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: 5.366 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

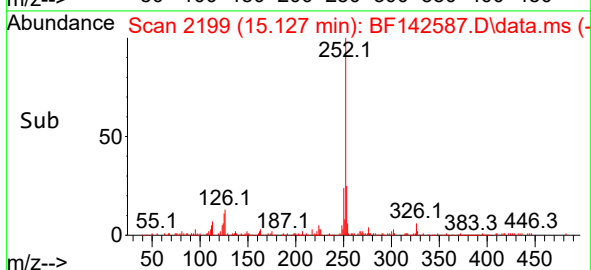
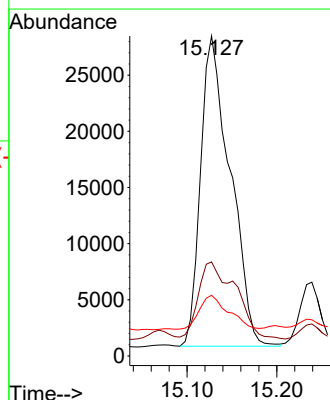
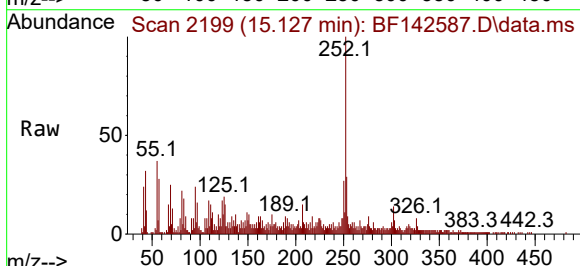
Tgt Ion:252 Resp: 63357

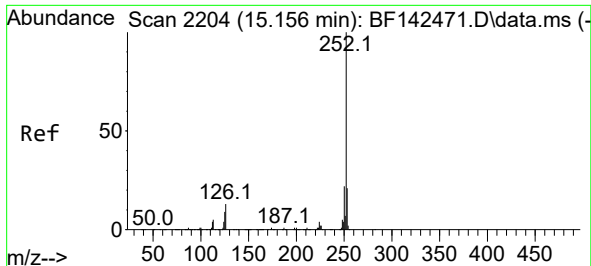
Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.4#

125 19.0 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 5.729 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

Instrument :

BNF

ClientSampleId :

TR-04-0592025

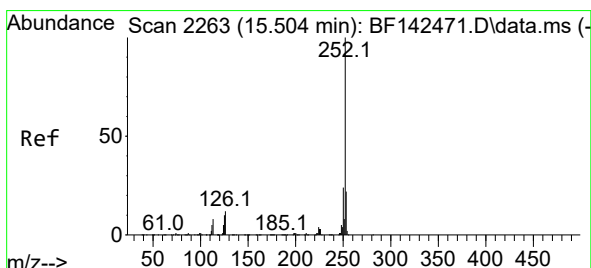
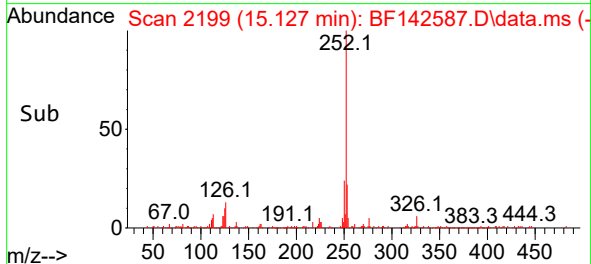
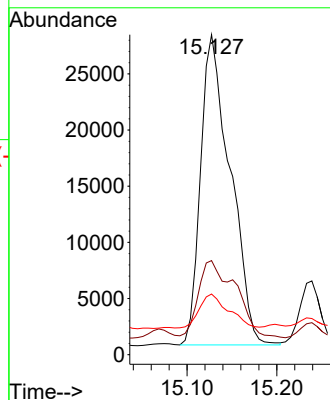
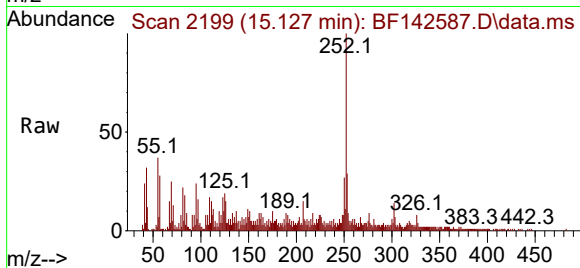
Tgt Ion:252 Resp: 63357

Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.4#

125 19.0 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 2.908 ng

RT: 15.504 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BF142587.D

Acq: 30 May 2025 23:41

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#

