

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142584.D
 Acq On : 30 May 2025 22:11
 Operator : RC/JU
 Sample : Q2150-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-50

Quant Time: May 31 00:11:34 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

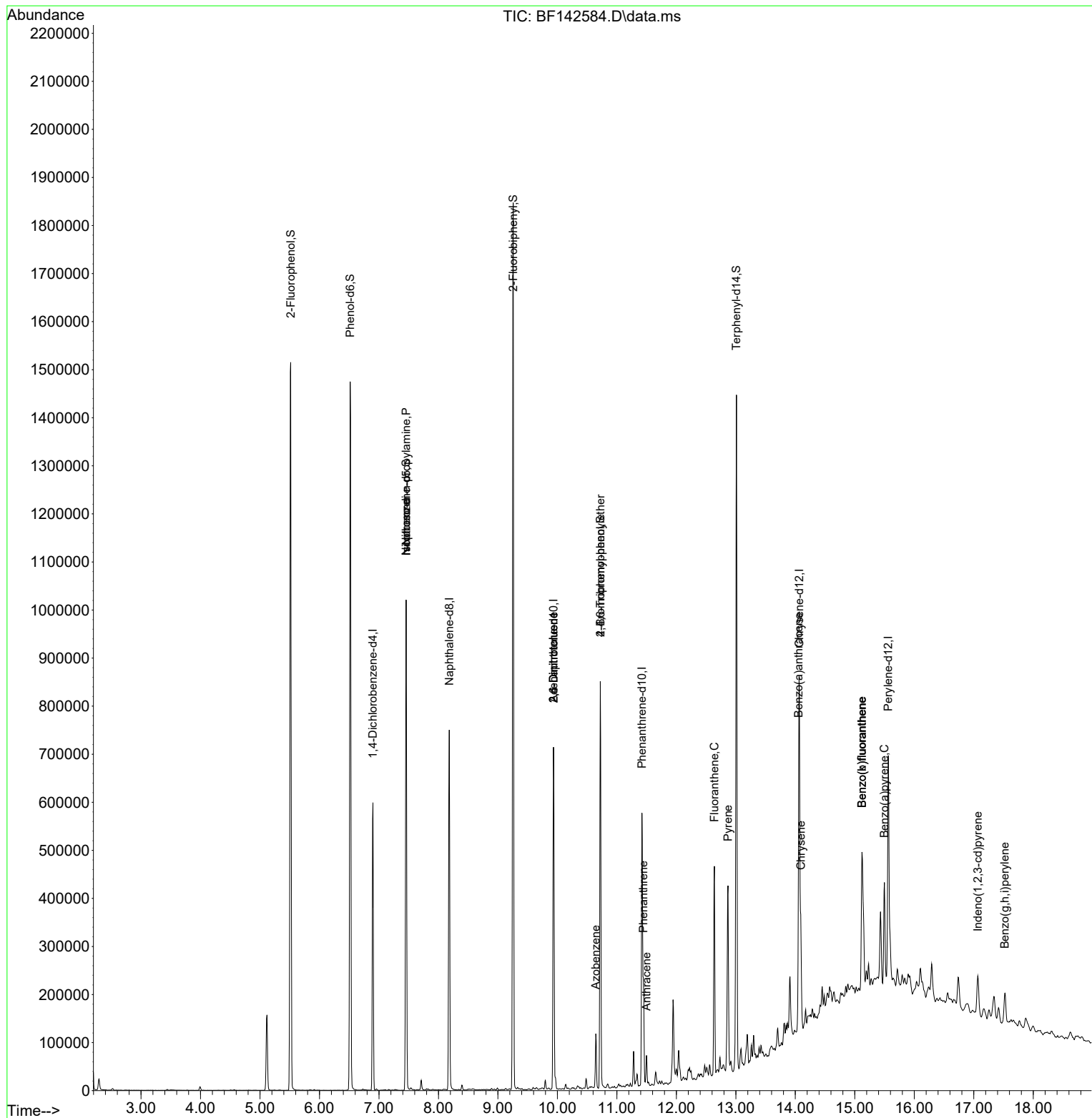
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	131837	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470624	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	213475	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	294969	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	274370	20.000	ng	0.00
86) Perylene-d12	15.563	264	279386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	606974	77.566	ng	0.00
7) Phenol-d6	6.516	99	711329	75.514	ng	-0.02
23) Nitrobenzene-d5	7.457	82	427869	49.575	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	145565	61.438	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	850482	53.460	ng	-0.01
79) Terphenyl-d14	13.010	244	670828	33.412	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	56383	9.658	ng	# 78
25) Isophorone	7.457	82	405245	28.083	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	27215	8.952	ng	# 28
57) 2,4-Dinitrotoluene	9.934	165	27215	6.855	ng	# 28
63) Azobenzene	10.645	77	26155	2.117	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	9370	2.687	ng	# 1
71) Phenanthrene	11.445	178	113607	7.207	ng	100
72) Anthracene	11.498	178	36095	2.244	ng	99
75) Fluoranthene	12.639	202	254483	17.277	ng	100
78) Pyrene	12.869	202	230618	9.010	ng	99
81) Benzo(a)anthracene	14.057	228	161449	8.812	ng	95
83) Chrysene	14.092	228	122044	7.413	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	60492	2.884	ng	97
88) Benzo(b)fluoranthene	15.121	252	249336	15.079	ng	# 95
89) Benzo(k)fluoranthene	15.121	252	249336	16.099	ng	# 95
90) Benzo(a)pyrene	15.498	252	130312	8.361	ng	97
92) Benzo(g,h,i)perylene	17.521	276	58698	3.450	ng	95

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

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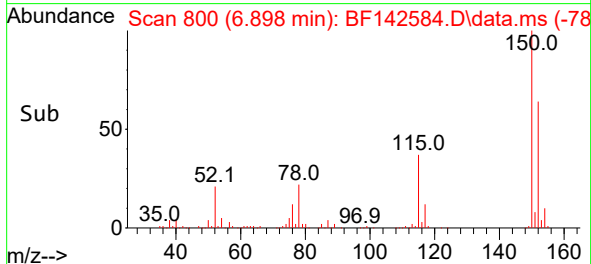
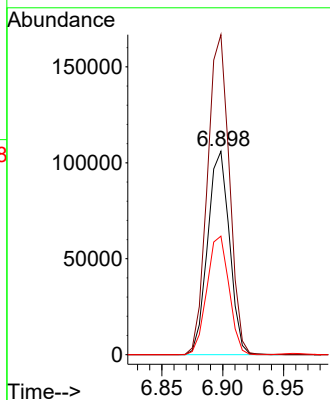
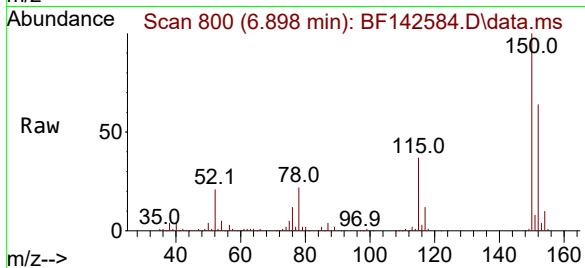




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

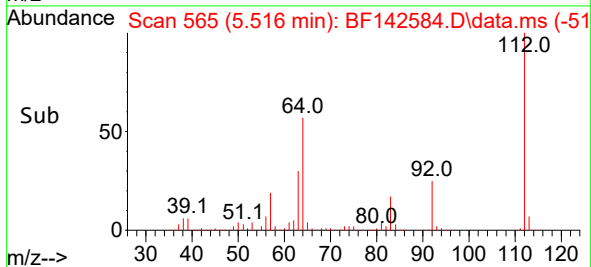
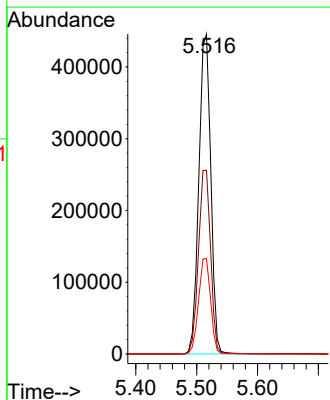
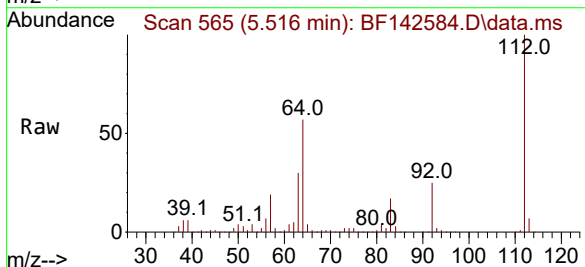
Instrument :
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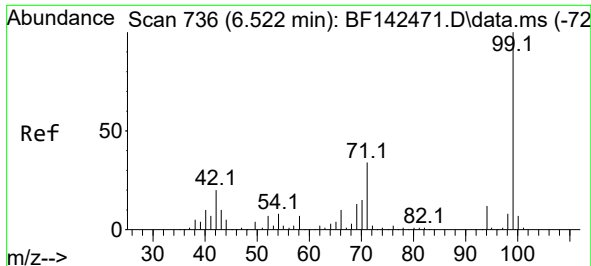
Tgt Ion:152 Resp: 131837
 Ion Ratio Lower Upper
 152 100
 150 157.3 128.2 192.4
 115 58.3 48.3 72.5



#5
 2-Fluorophenol
 Concen: 77.566 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Tgt Ion:112 Resp: 606974
 Ion Ratio Lower Upper
 112 100
 64 57.4 47.5 71.3
 63 29.8 24.9 37.3

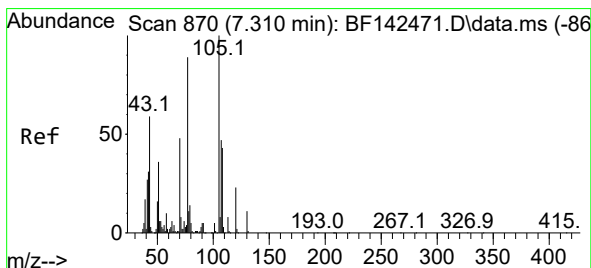
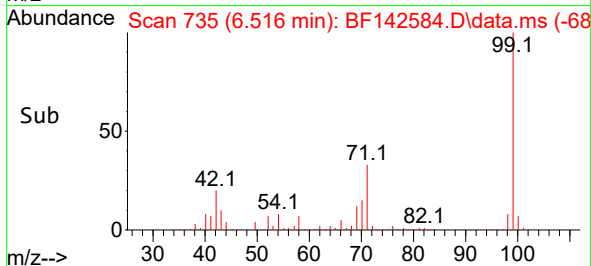
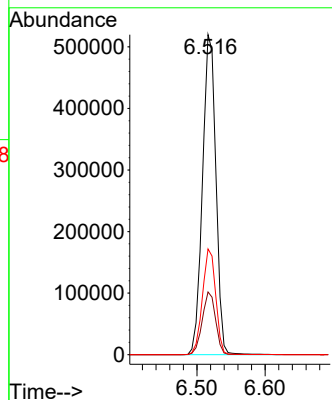
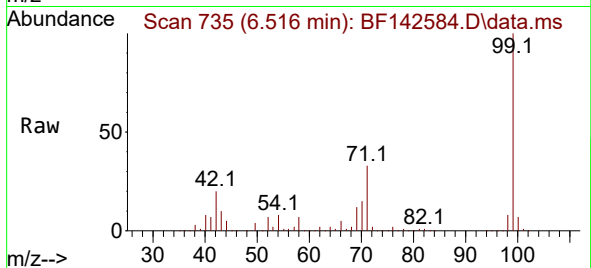




#7
Phenol-d6
Concen: 75.514 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

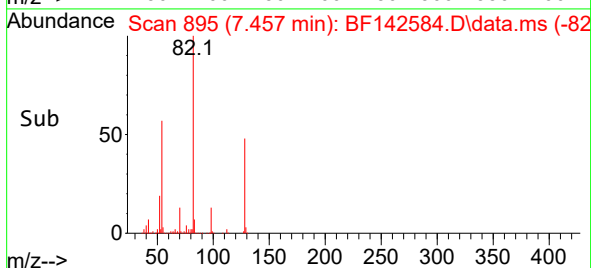
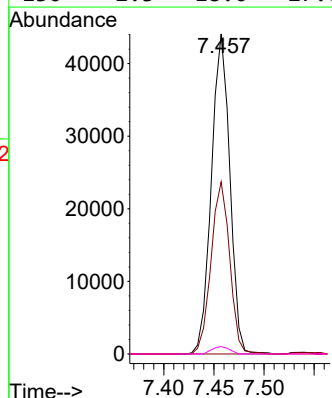
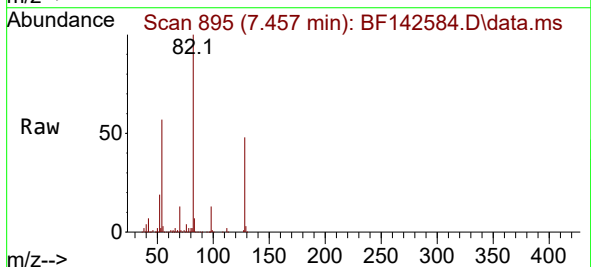
Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion: 99 Resp: 711329
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 33.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.658 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion: 70 Resp: 56383
Ion Ratio Lower Upper
70 100
42 53.8 52.4 78.6
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#

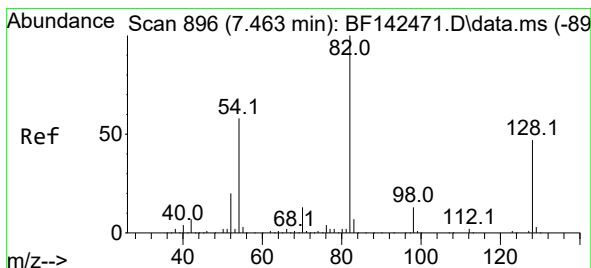
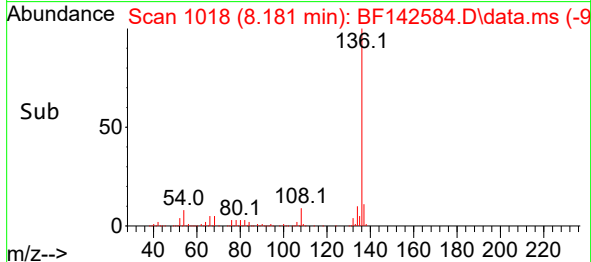
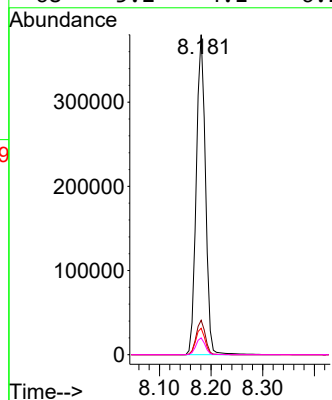
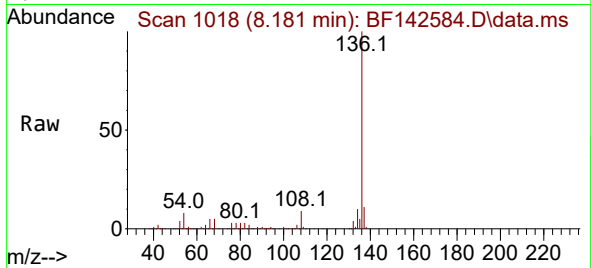




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

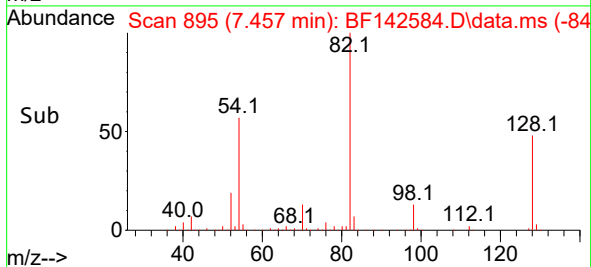
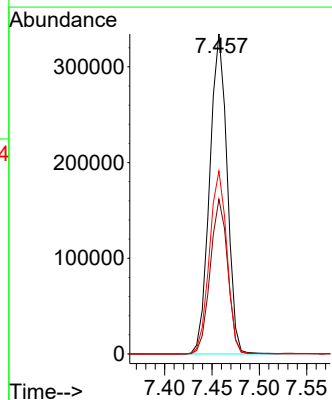
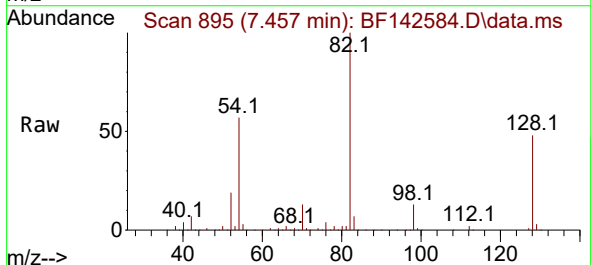
Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:136 Resp: 470624
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 6.6 10.0
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 49.575 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion: 82 Resp: 427869
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 57.2 46.6 70.0

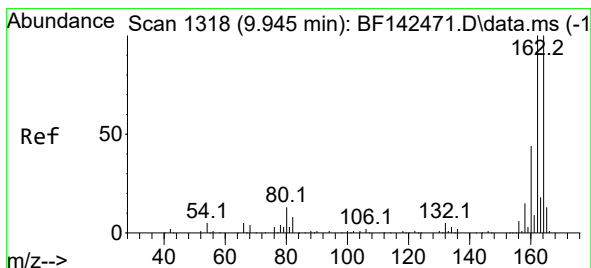
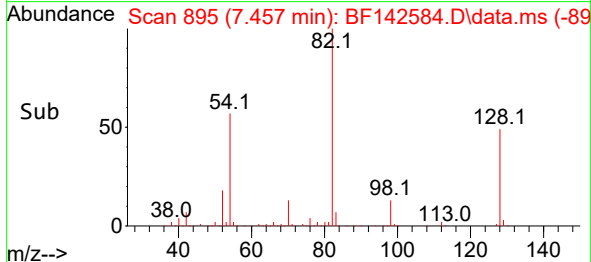
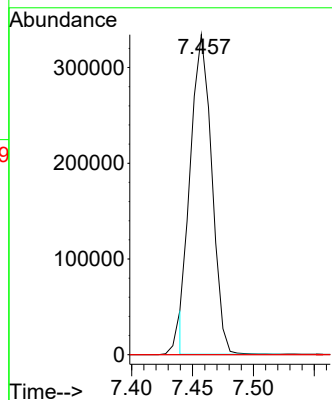
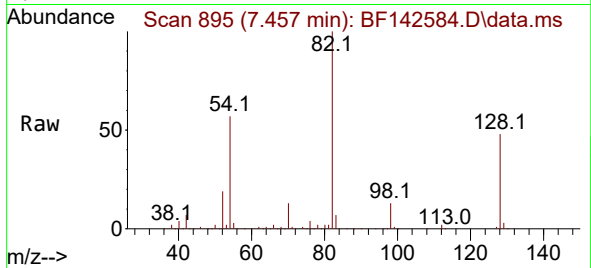




#25
Isophorone
Concen: 28.083 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

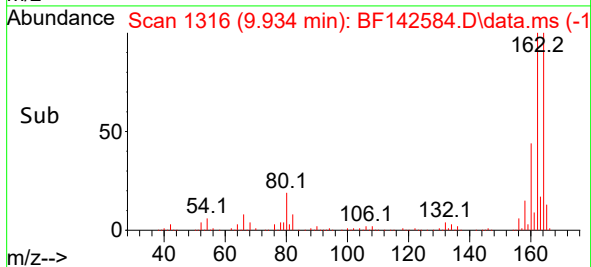
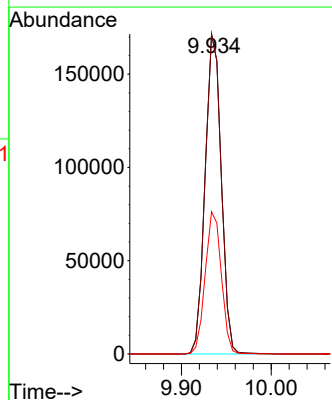
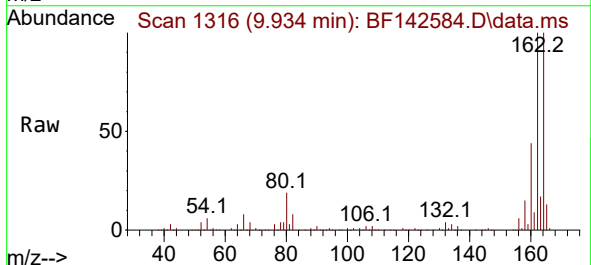
Instrument :
BNA_F
ClientSampleId :
TP-50

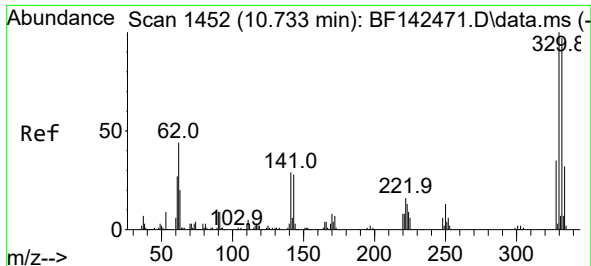
Tgt Ion: 82 Resp: 405245
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

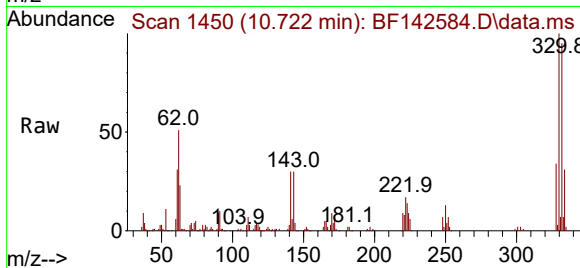
Tgt Ion:164 Resp: 213475
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.5 35.6 53.4



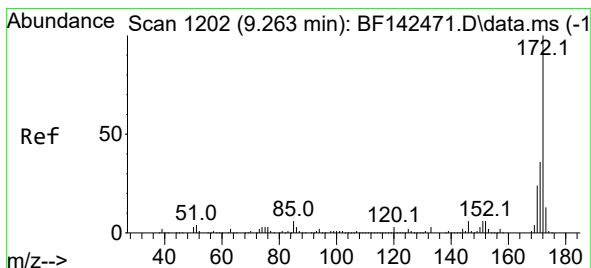
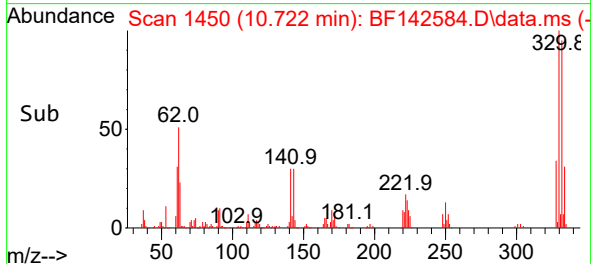
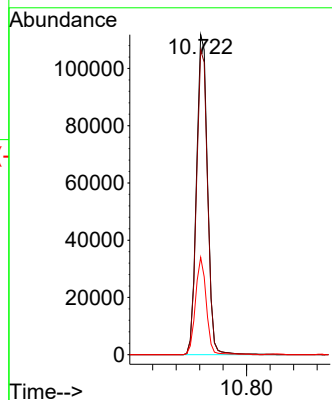


#42
 2,4,6-Tribromophenol
 Concen: 61.438 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.017 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-50

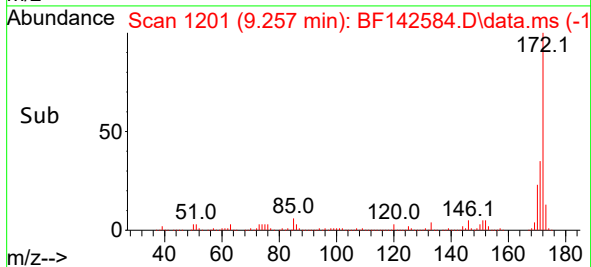
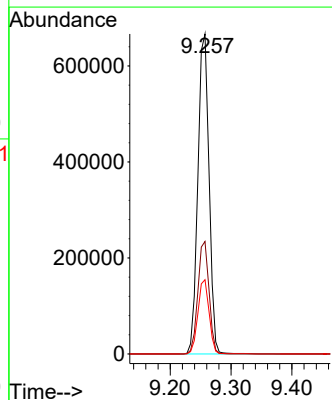
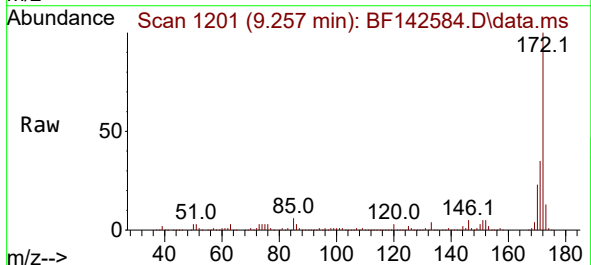


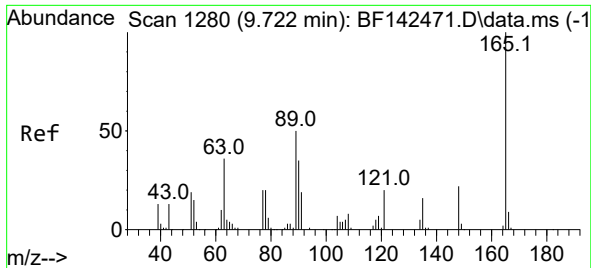
Tgt Ion:330 Resp: 145565
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.6 116.4
 141 29.7 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 53.460 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Tgt Ion:172 Resp: 850482
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.2 18.9 28.3

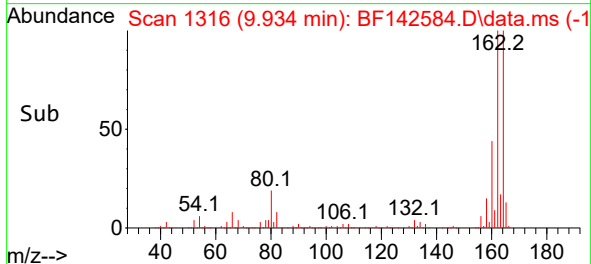
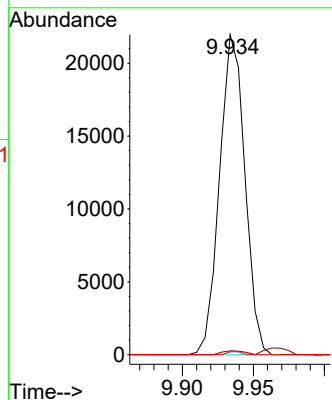
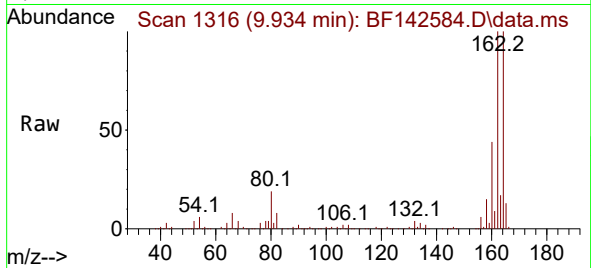




#51
2,6-Dinitrotoluene
Concen: 8.952 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

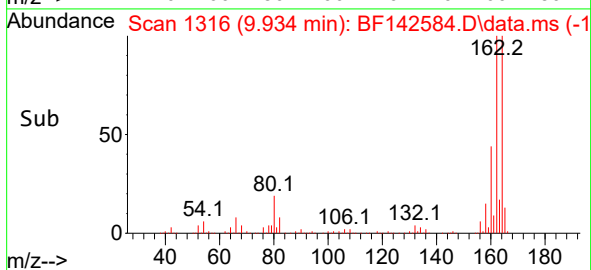
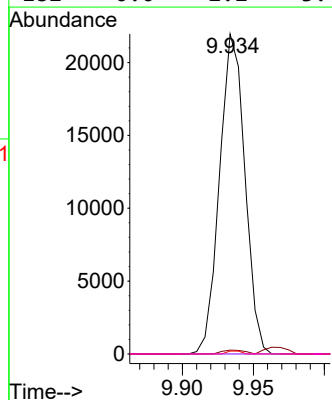
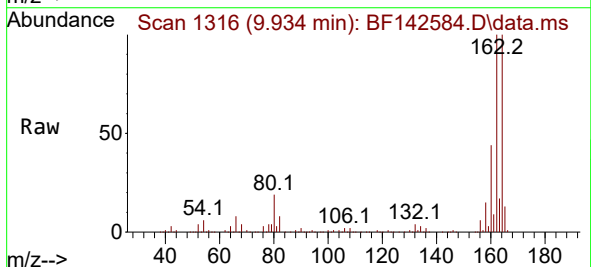
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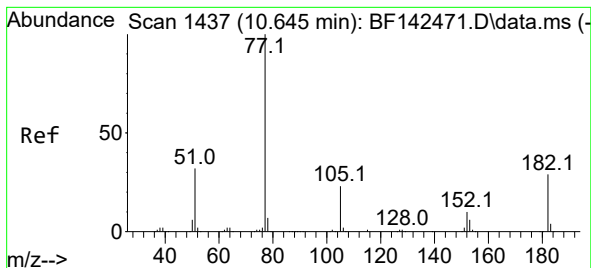
Tgt Ion:165 Resp: 27215
Ion Ratio Lower Upper
165 100
63 1.2 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.855 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:165 Resp: 27215
Ion Ratio Lower Upper
165 100
63 1.2 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.117 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

Tgt Ion: 77 Resp: 26155

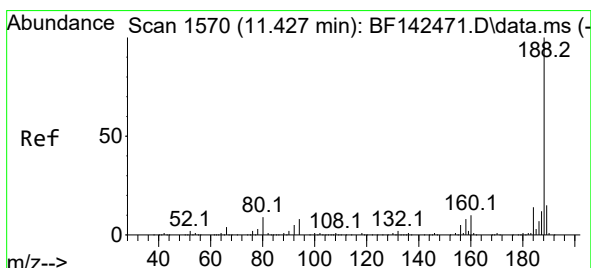
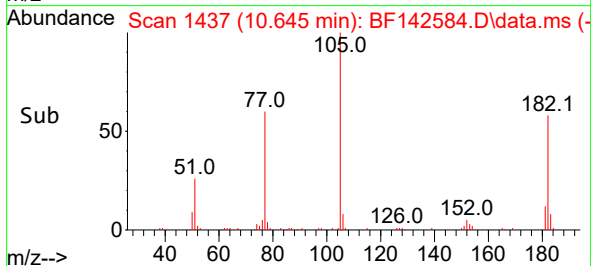
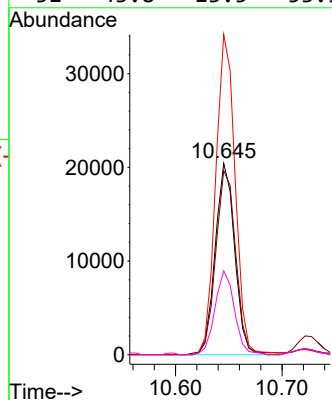
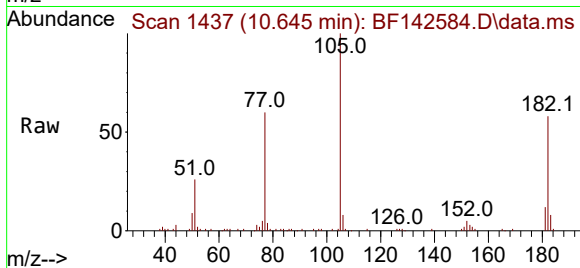
Ion Ratio Lower Upper

77 100

182 96.2 9.0 49.0#

105 167.2 2.4 42.4#

51 43.8 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

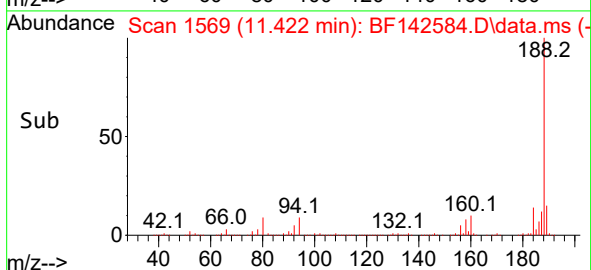
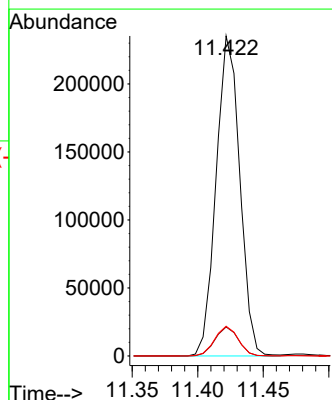
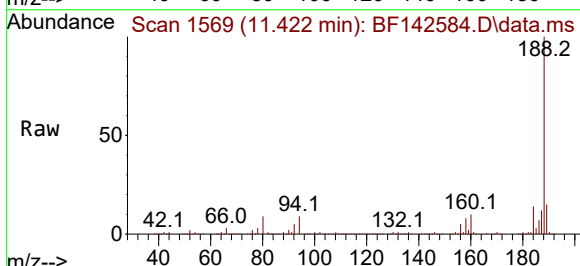
Tgt Ion:188 Resp: 294969

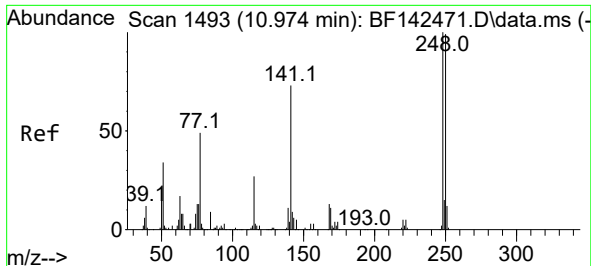
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.3 7.4 11.0

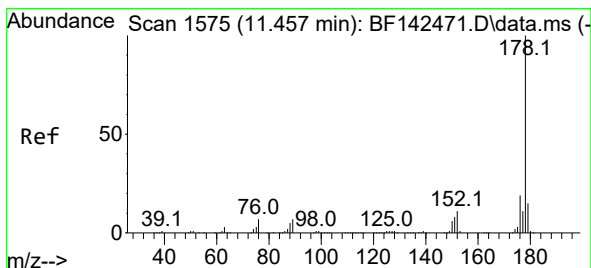
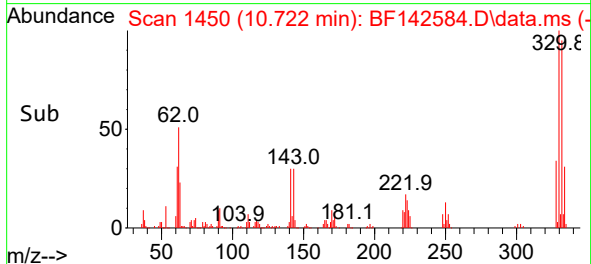
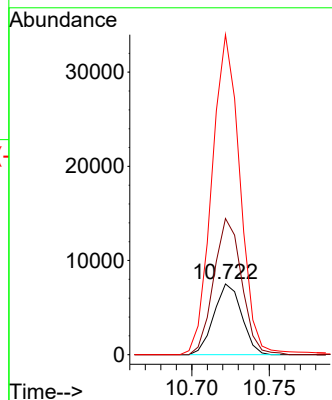
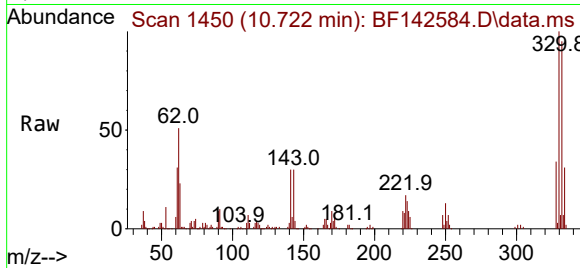




#67
4-Bromophenyl-phenylether
Concen: 2.687 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

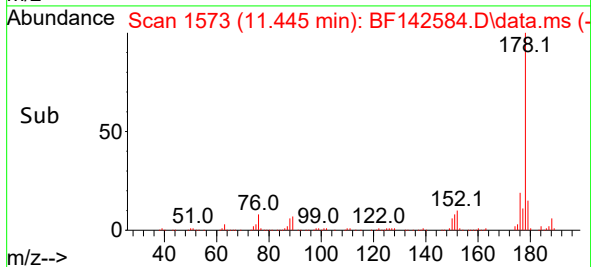
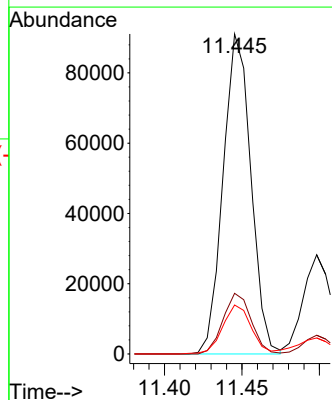
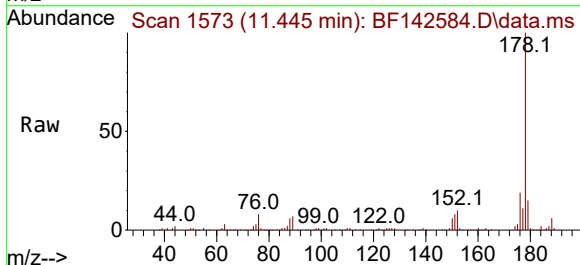
Instrument :
BNA_F
ClientSampleId :
TP-50

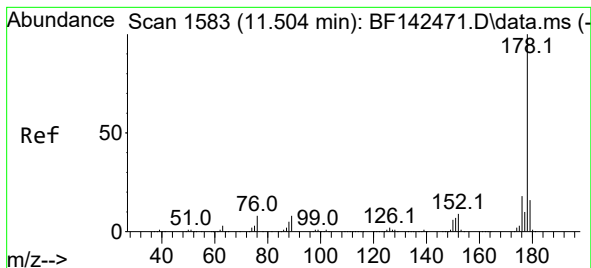
Tgt Ion:248 Resp: 9370
Ion Ratio Lower Upper
248 100
250 192.6 79.0 118.4#
141 452.5 58.4 87.6#



#71
Phenanthrene
Concen: 7.207 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:178 Resp: 113607
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.3 18.5





#72

Anthracene

Concen: 2.244 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

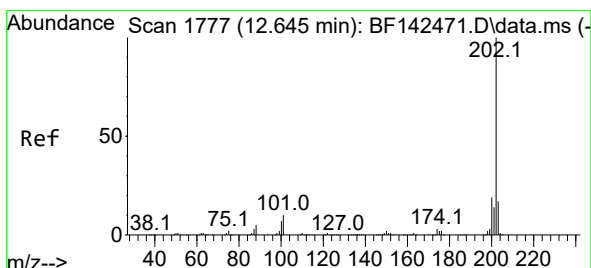
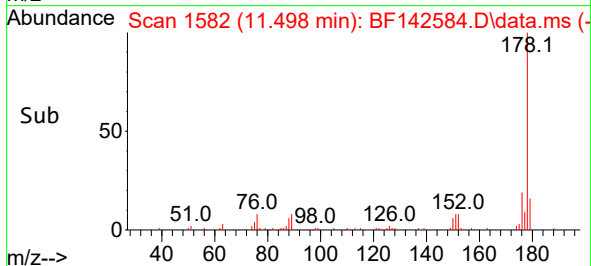
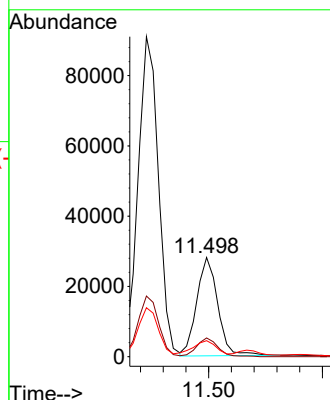
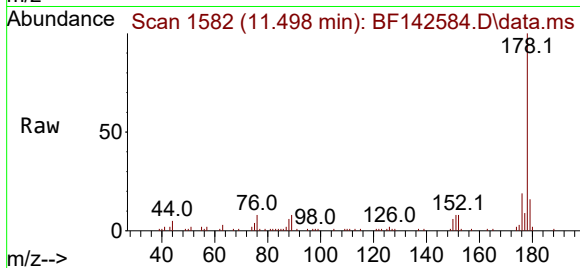
Tgt Ion:178 Resp: 36095

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 17.277 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

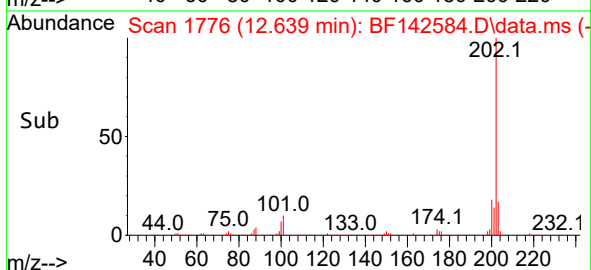
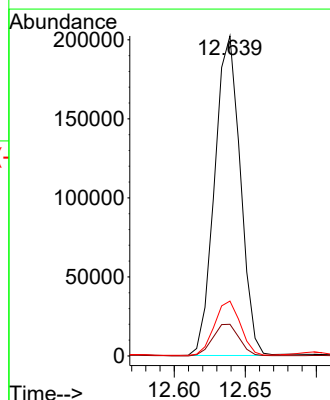
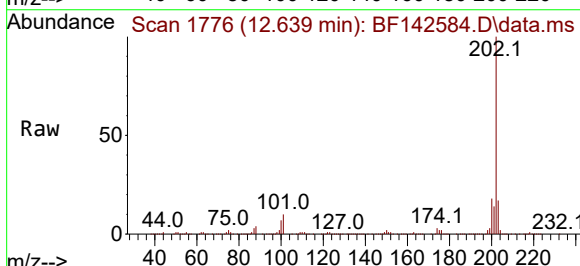
Tgt Ion:202 Resp: 254483

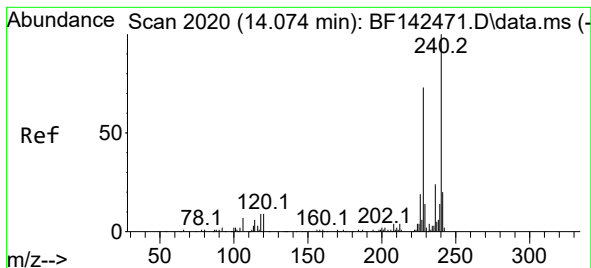
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 17.1 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

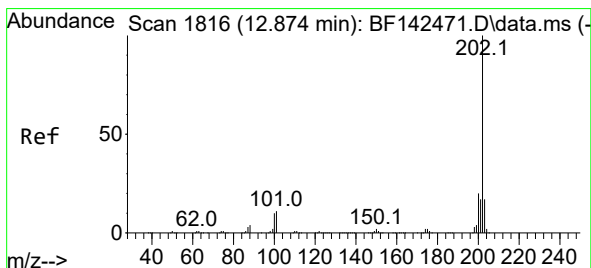
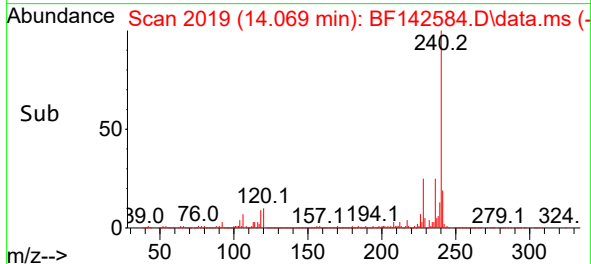
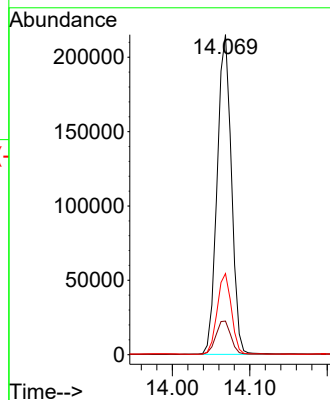
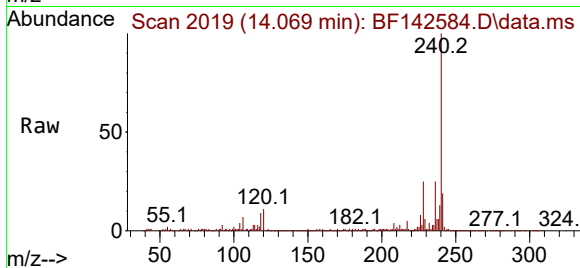
Tgt Ion:240 Resp: 274370

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.4 19.6 29.4



#78

Pyrene

Concen: 9.010 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

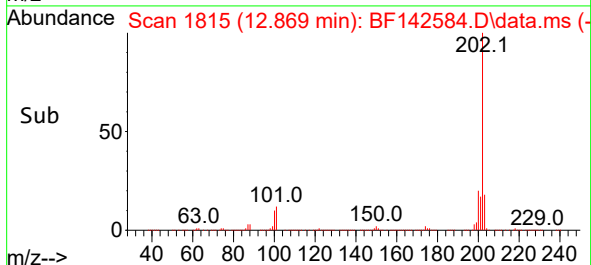
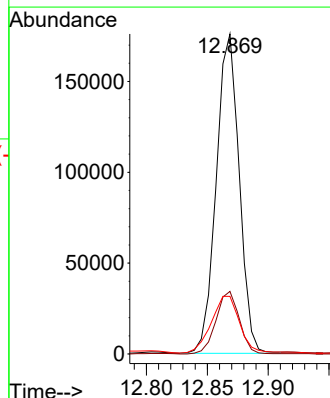
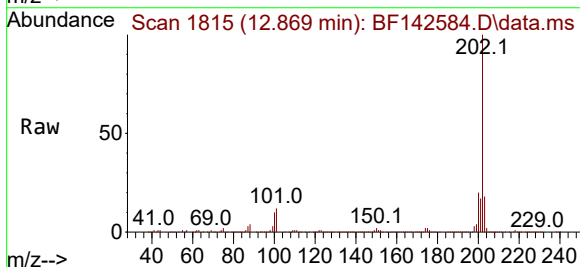
Tgt Ion:202 Resp: 230618

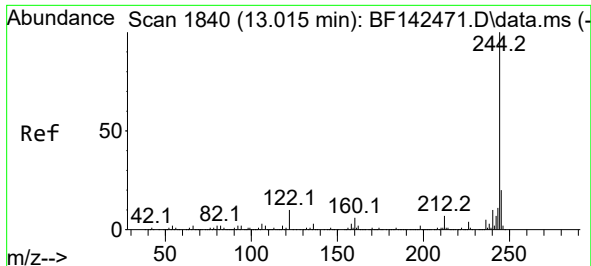
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 18.0 13.9 20.9

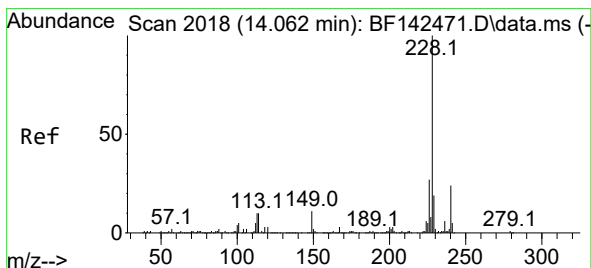
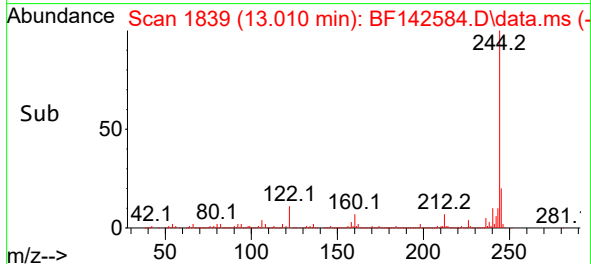
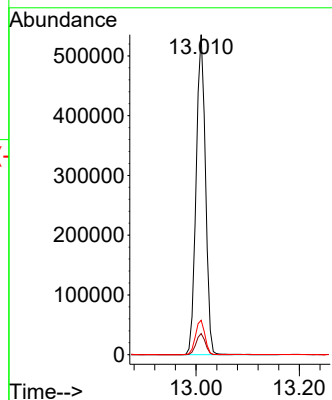
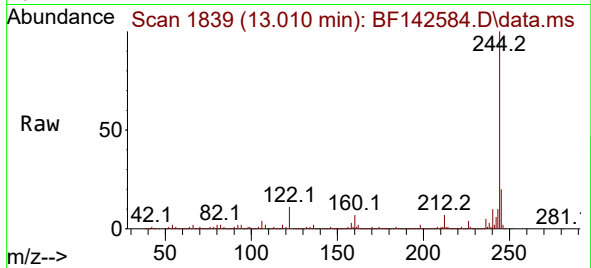




#79
 Terphenyl-d14
 Concen: 33.412 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

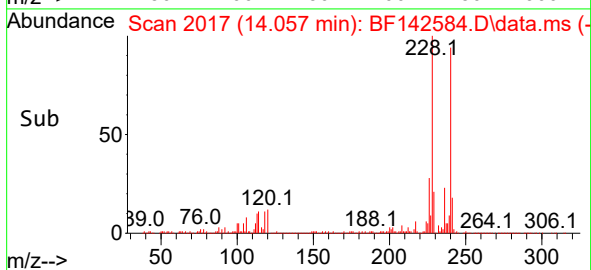
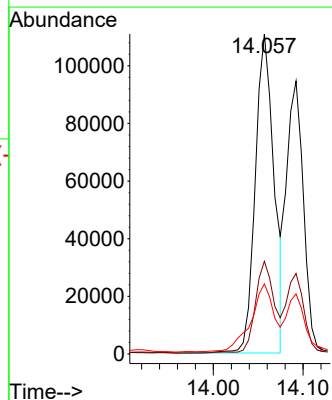
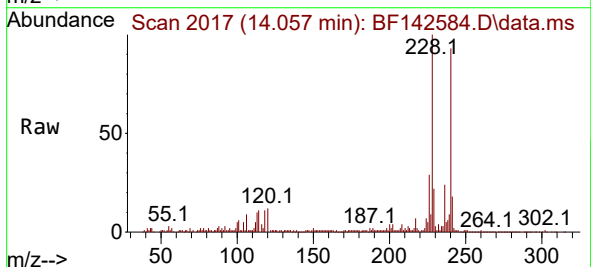
Instrument :
 BNA_F
 ClientSampleId :
 TP-50

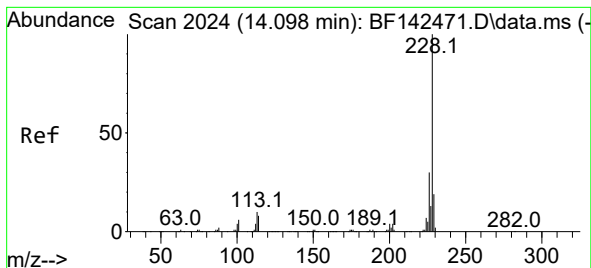
Tgt Ion:244 Resp: 670828
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 8.812 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Tgt Ion:228 Resp: 161449
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.2 31.8
 229 21.9 15.5 23.3





#83

Chrysene

Concen: 7.413 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

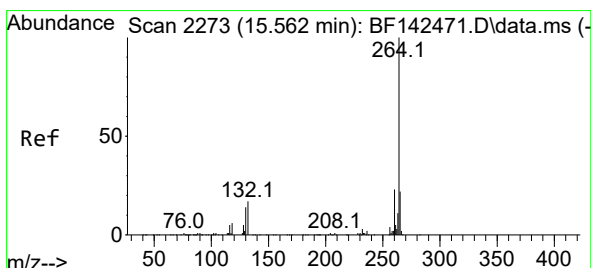
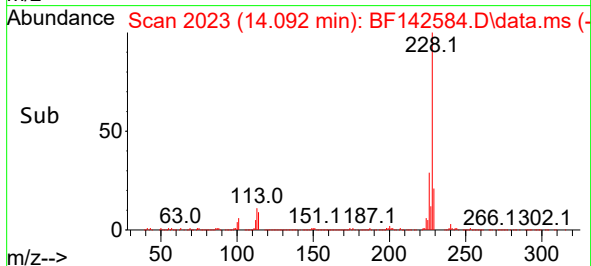
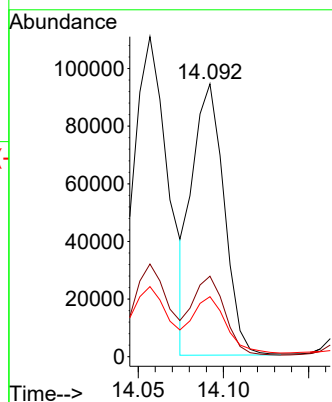
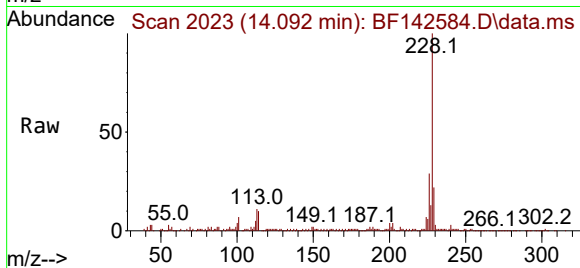
Tgt Ion:228 Resp: 122044

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 22.0 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

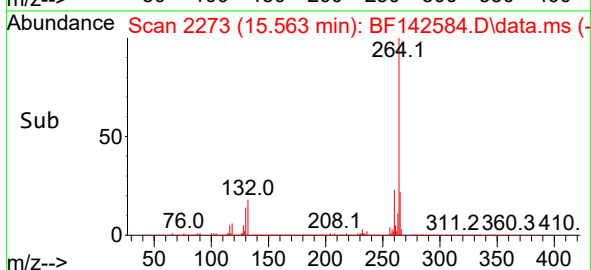
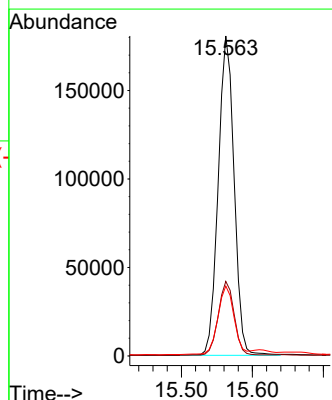
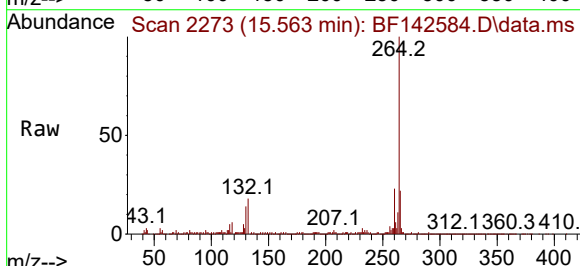
Tgt Ion:264 Resp: 279386

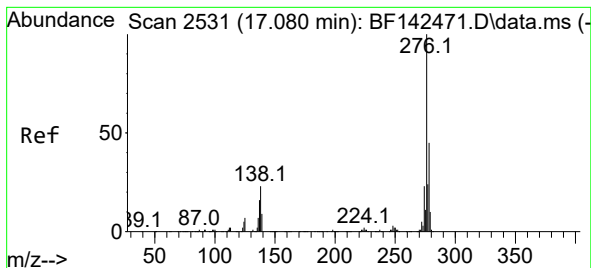
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.884 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

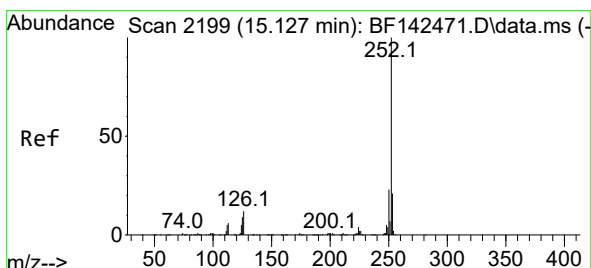
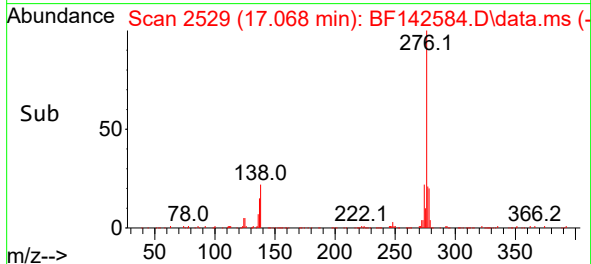
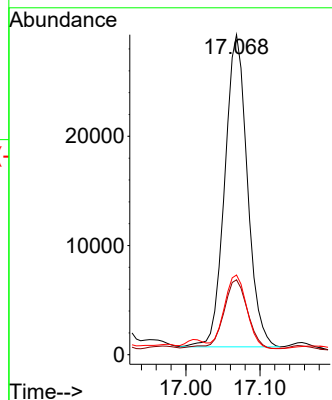
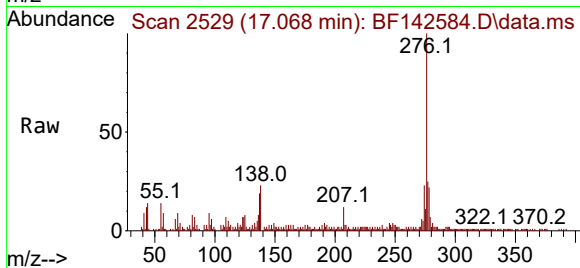
Tgt Ion:276 Resp: 60492

Ion Ratio Lower Upper

276 100

138 23.4 19.9 29.9

277 23.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.079 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

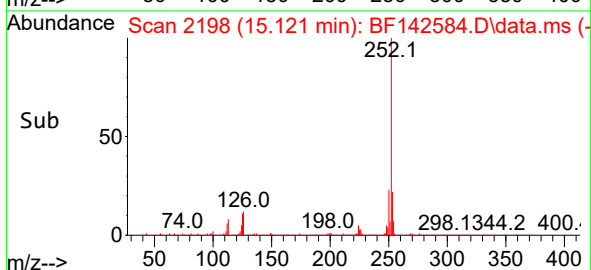
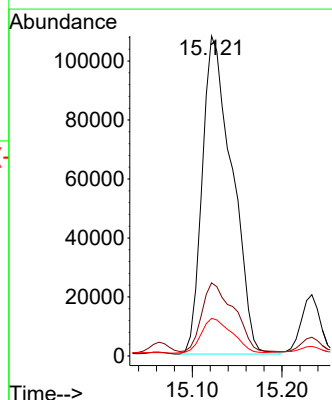
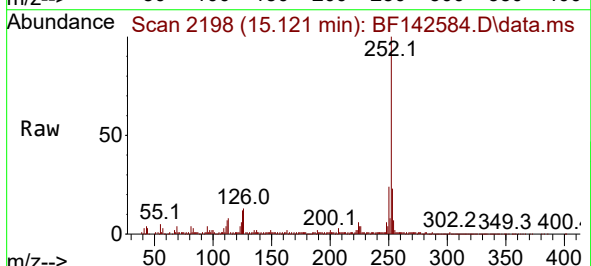
Tgt Ion:252 Resp: 249336

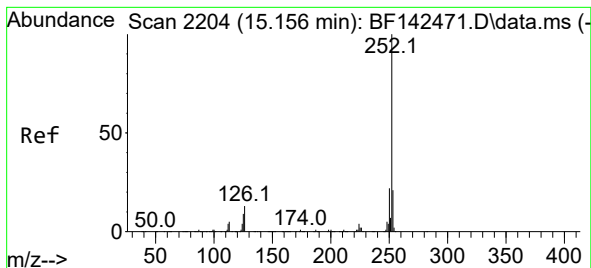
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.8 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 16.099 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

Instrument :

BNA_F

ClientSampleId :

TP-50

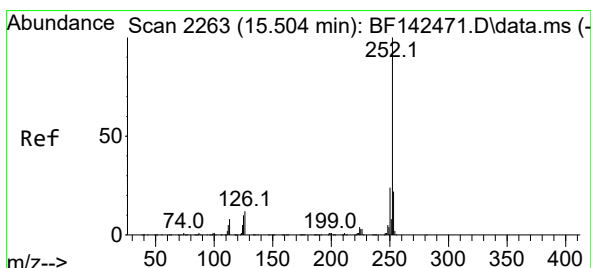
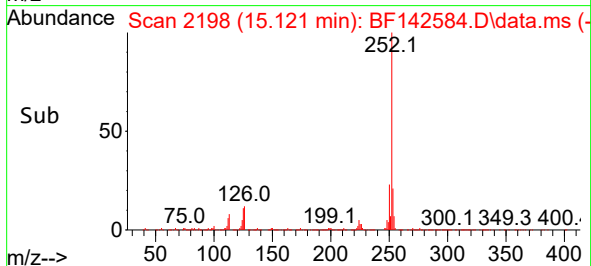
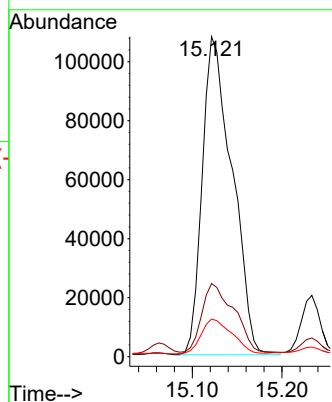
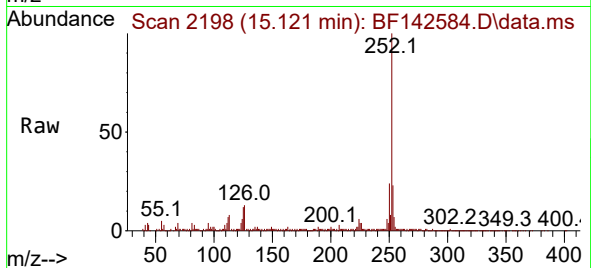
Tgt Ion:252 Resp: 249336

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.8 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 8.361 ng

RT: 15.498 min Scan# 2262

Delta R.T. -0.012 min

Lab File: BF142584.D

Acq: 30 May 2025 22:11

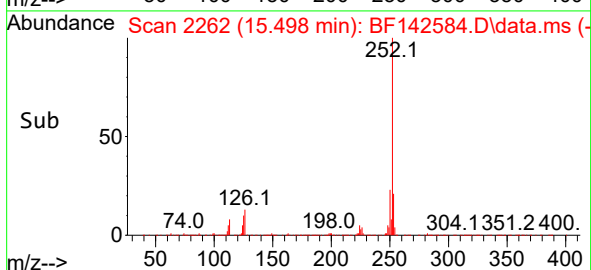
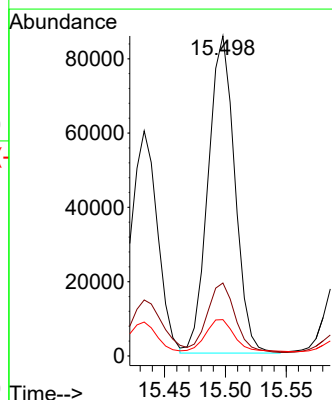
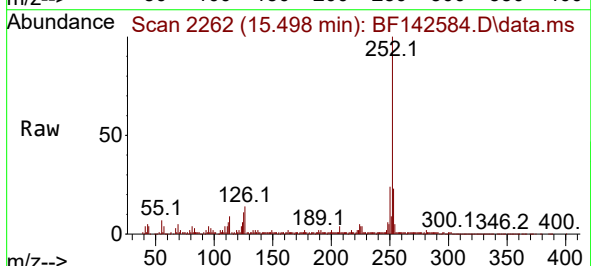
Tgt Ion:252 Resp: 130312

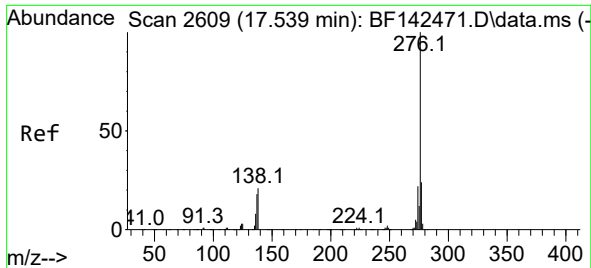
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.4 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.450 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF142584.D
 Acq: 30 May 2025 22:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-50

Tgt Ion:276 Resp: 58698
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.2 28.8
 138 23.4 16.8 25.2

