

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142515.D
 Acq On : 22 May 2025 17:32
 Operator : RC/JU
 Sample : Q2074-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40

Quant Time: May 23 01:22:37 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)

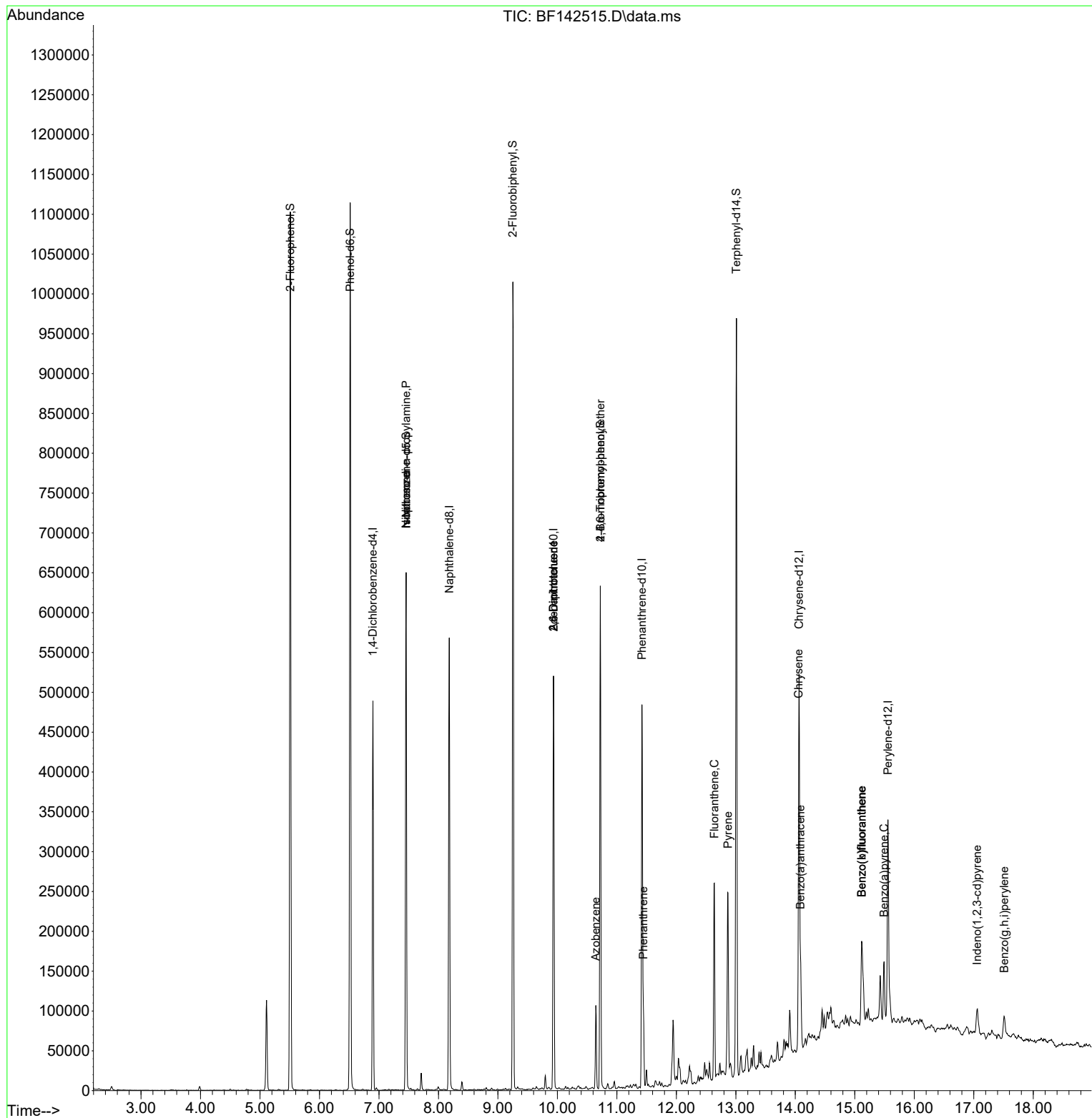
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	105109	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	356070	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	155651	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	248584	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	190159	20.000	ng	-0.01
86) Perylene-d12	15.557	264	152099	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	414930	66.508	ng	0.00
7) Phenol-d6	6.516	99	503390	67.029	ng	-0.02
23) Nitrobenzene-d5	7.457	82	267452	40.958	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	105901	61.302	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	459619	39.624	ng	-0.02
79) Terphenyl-d14	13.010	244	460591	33.100	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	35410	7.608	ng	# 77
25) Isophorone	7.457	82	251912	23.074	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	20620	9.302	ng	# 28
57) 2,4-Dinitrotoluene	9.934	165	20620	7.123	ng	# 28
63) Azobenzene	10.645	77	24573	2.728	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	6666	2.268	ng	# 1
71) Phenanthrene	11.445	178	50563	3.806	ng	99
75) Fluoranthene	12.639	202	145071	11.687	ng	99
78) Pyrene	12.869	202	141308	7.966	ng	99
81) Benzo(a)anthracene	14.086	228	60204	4.741	ng	92
83) Chrysene	14.057	228	60061	5.264	ng	96
87) Indeno(1,2,3-cd)pyrene	17.057	276	26567	2.327	ng	96
88) Benzo(b)fluoranthene	15.116	252	93697	10.409	ng	# 96
89) Benzo(k)fluoranthene	15.116	252	93697	11.113	ng	# 96
90) Benzo(a)pyrene	15.492	252	45711	5.387	ng	97
92) Benzo(g,h,i)perylene	17.515	276	26352	2.845	ng	95

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

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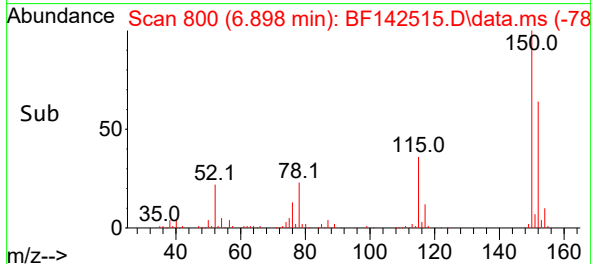
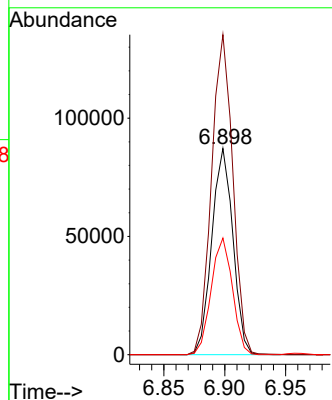
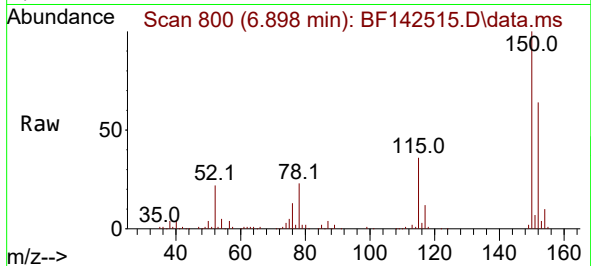




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

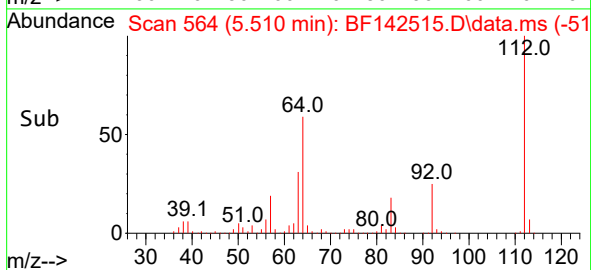
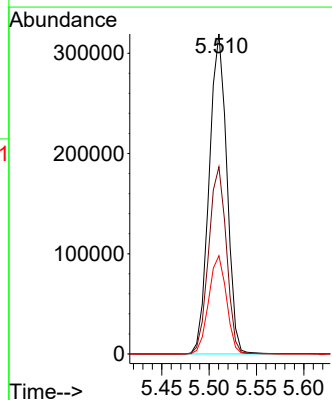
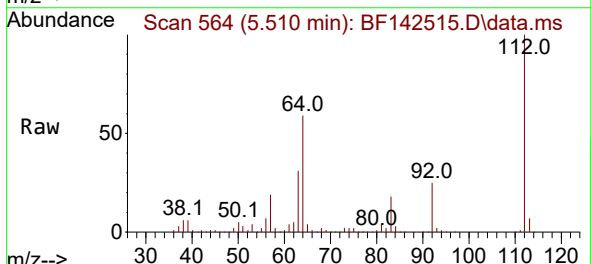
Instrument :
BNA_F
ClientSampleId :
TP-40

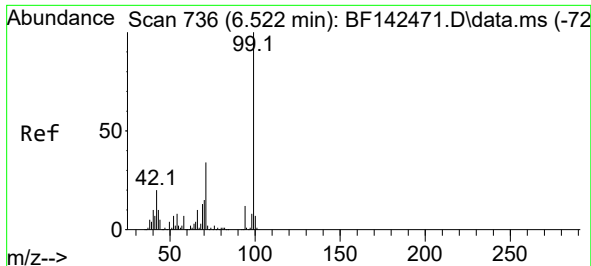
Tgt Ion:152 Resp: 105109
Ion Ratio Lower Upper
152 100
150 155.2 128.2 192.4
115 56.6 48.3 72.5



#5
2-Fluorophenol
Concen: 66.508 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:112 Resp: 414930
Ion Ratio Lower Upper
112 100
64 58.5 47.5 71.3
63 30.7 24.9 37.3

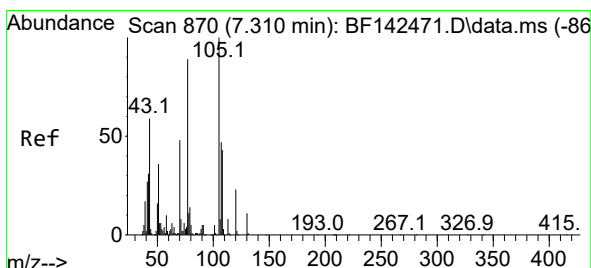
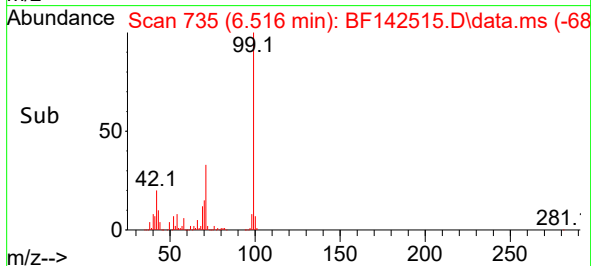
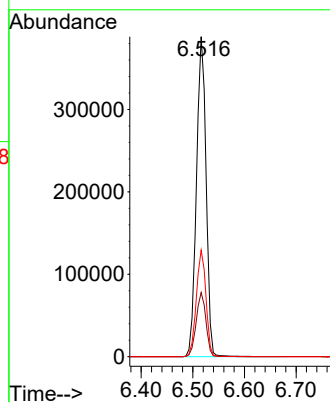
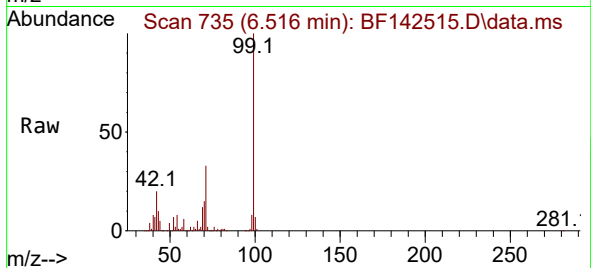




#7
Phenol-d6
Concen: 67.029 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

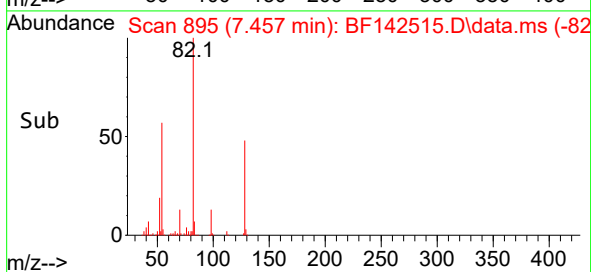
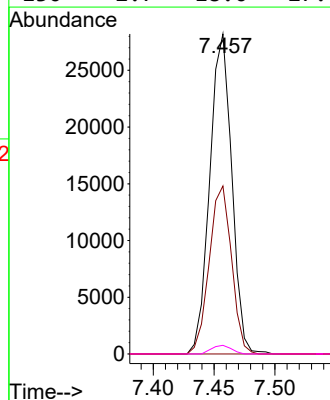
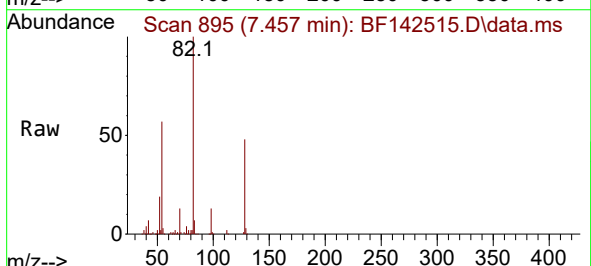
Instrument :
BNA_F
ClientSampleId :
TP-40

Tgt Ion: 99 Resp: 503390
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.608 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion: 70 Resp: 35410
Ion Ratio Lower Upper
70 100
42 52.5 52.4 78.6
101 0.0 7.8 11.8#
130 2.7 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: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

Tgt Ion:136 Resp: 356070

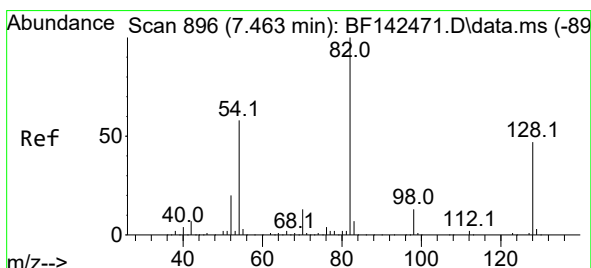
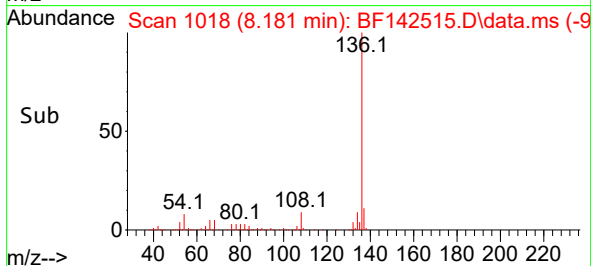
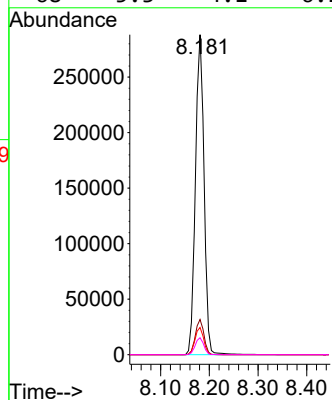
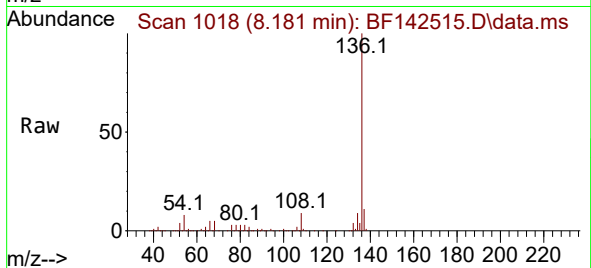
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.5 6.6 10.0

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 40.958 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

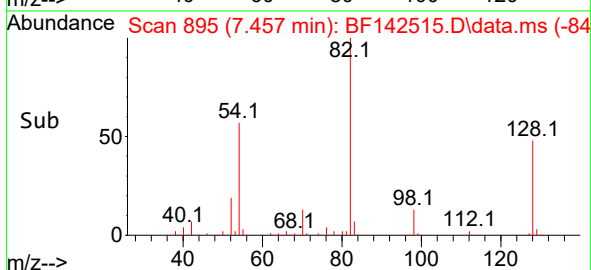
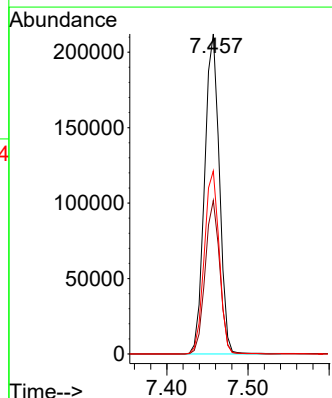
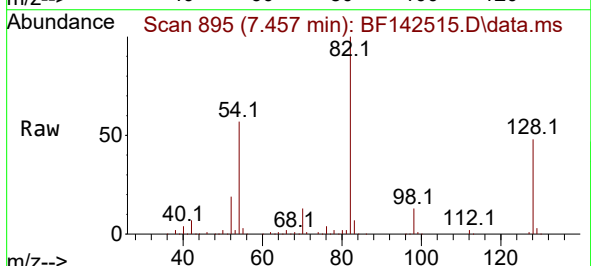
Tgt Ion: 82 Resp: 267452

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 57.2 46.6 70.0

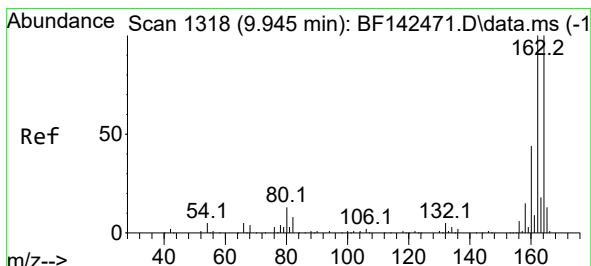
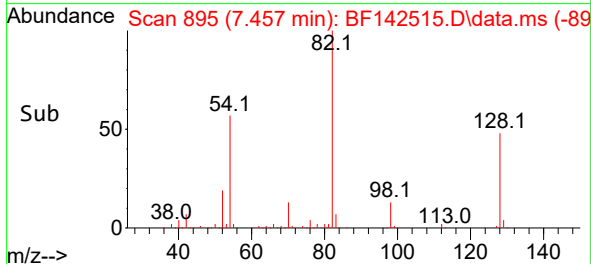
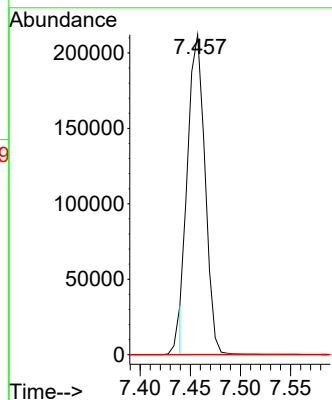
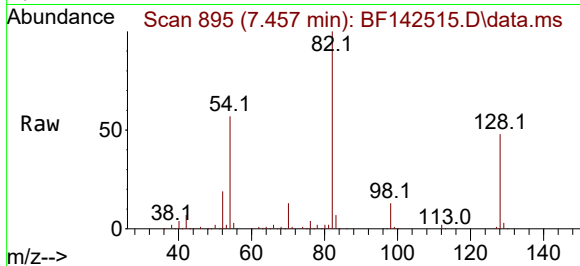




#25
Isophorone
Concen: 23.074 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

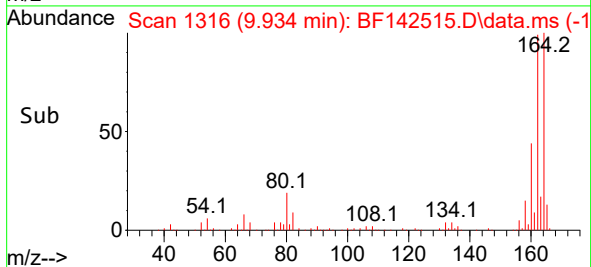
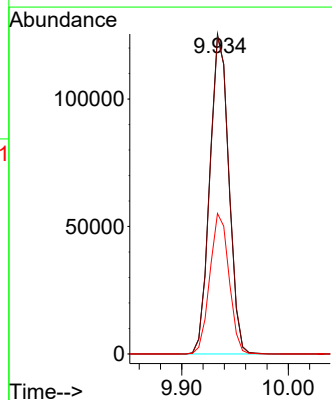
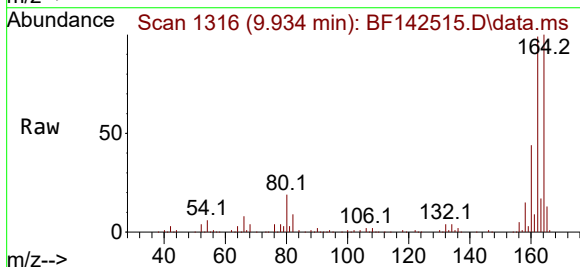
Instrument :
BNA_F
ClientSampleId :
TP-40

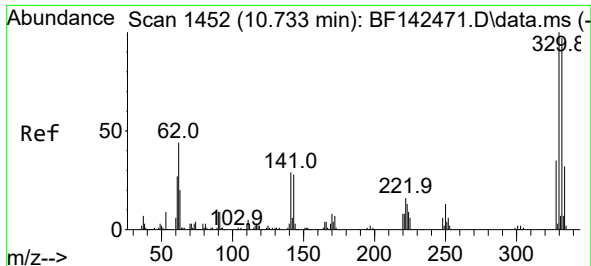
Tgt Ion: 82 Resp: 251912
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:164 Resp: 155651
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.4
160 43.9 35.6 53.4

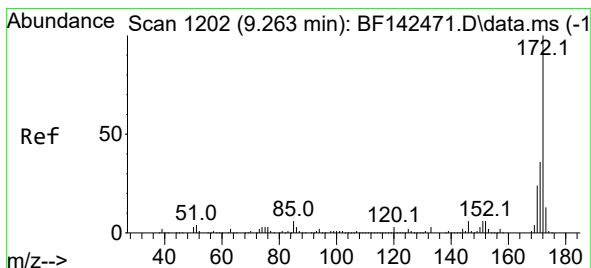
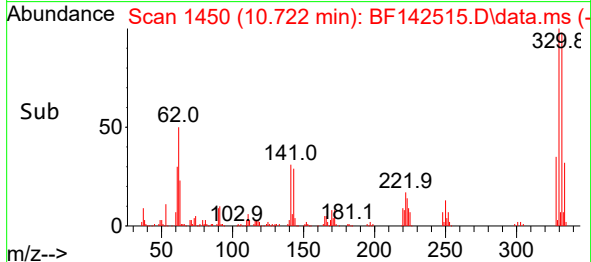
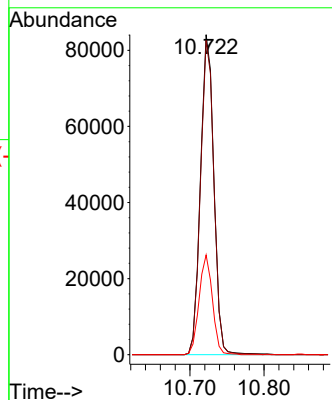
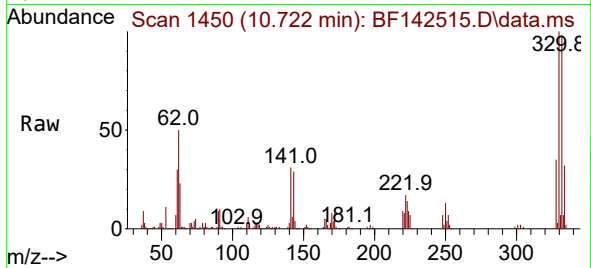




#42
2,4,6-Tribromophenol
Concen: 61.302 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

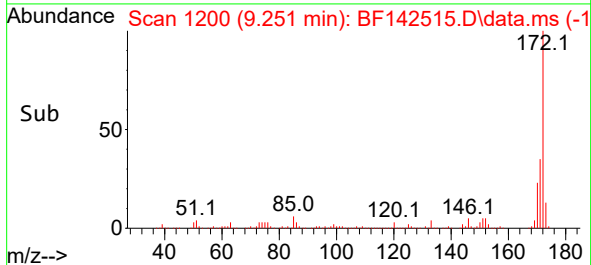
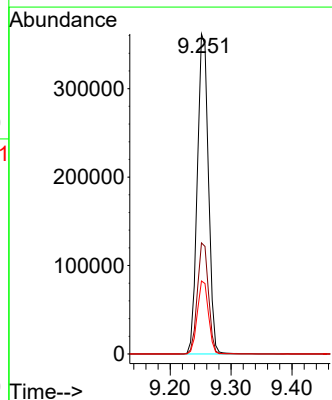
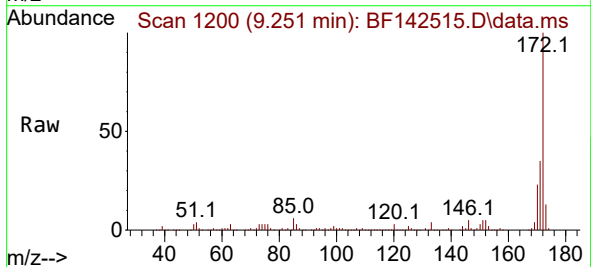
Instrument :
BNA_F
ClientSampleId :
TP-40

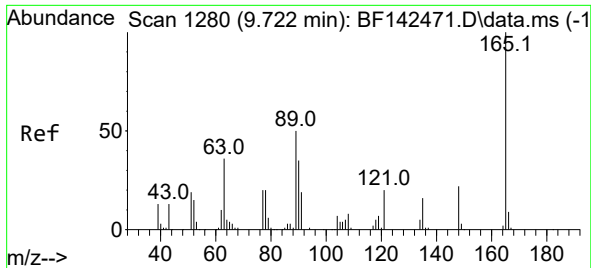
Tgt Ion:330 Resp: 105901
Ion Ratio Lower Upper
330 100
332 98.0 77.6 116.4
141 30.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 39.624 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:172 Resp: 459619
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.8 18.9 28.3

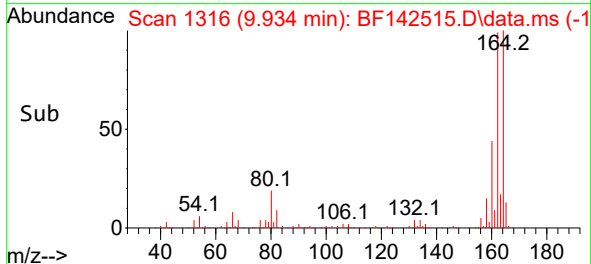
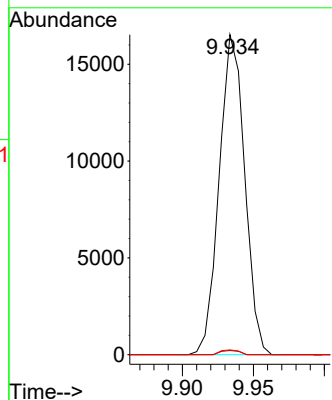
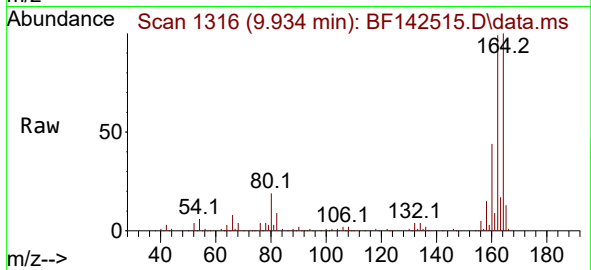




#51
2,6-Dinitrotoluene
Concen: 9.302 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

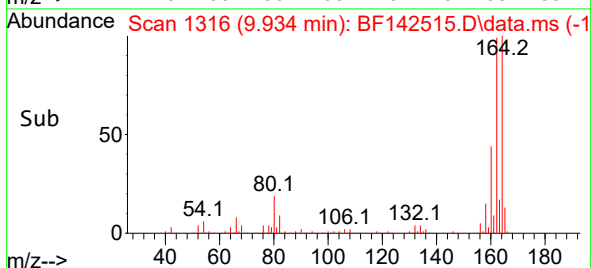
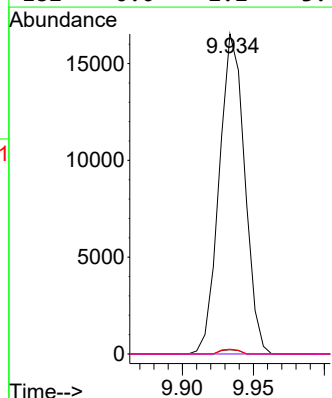
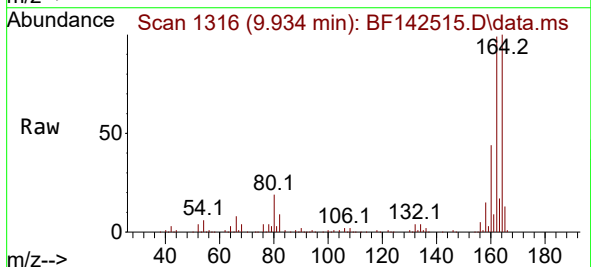
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ClientSampleId :
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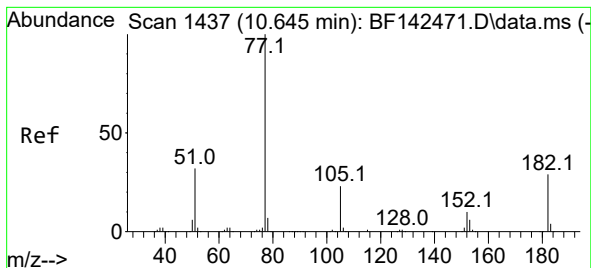
Tgt Ion:165 Resp: 20620
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.5 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.123 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:165 Resp: 20620
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.5 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.728 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

Tgt Ion: 77 Resp: 24573

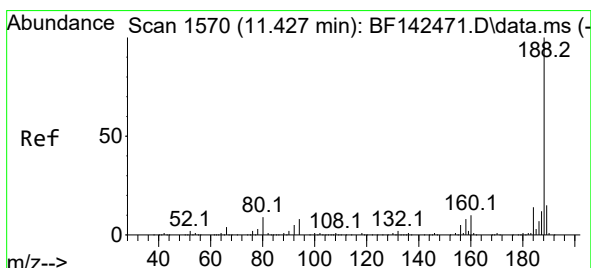
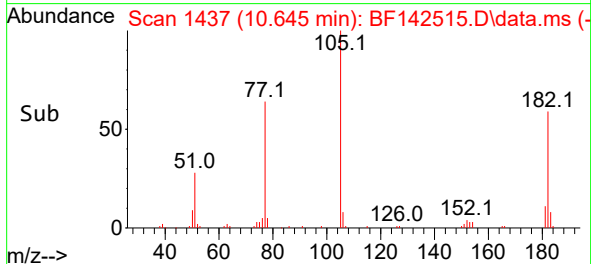
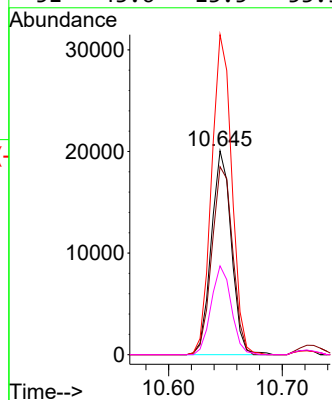
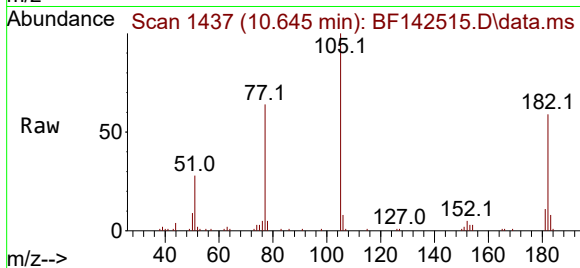
Ion Ratio Lower Upper

77 100

182 92.2 9.0 49.0#

105 157.0 2.4 42.4#

51 43.6 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: BF142515.D

Acq: 22 May 2025 17:32

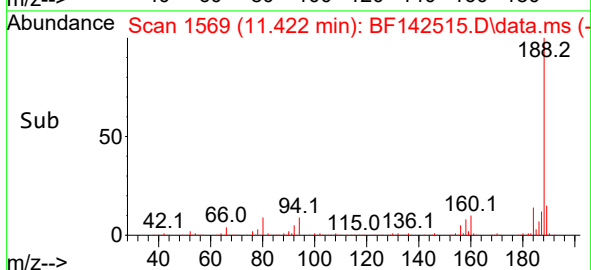
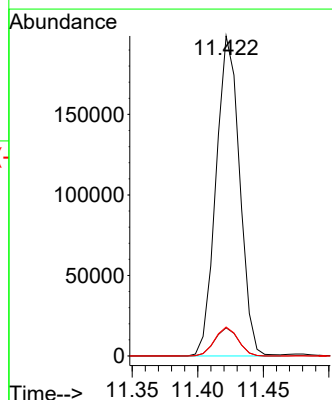
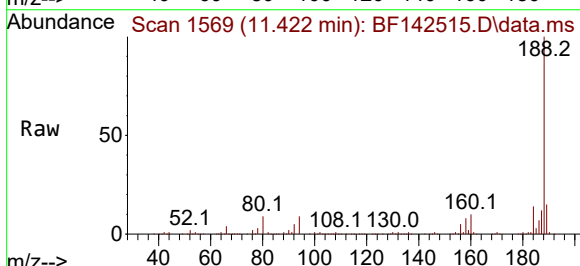
Tgt Ion:188 Resp: 248584

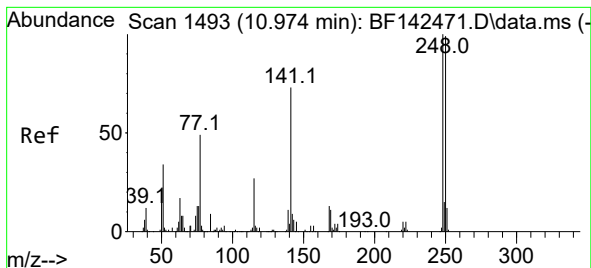
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.0 7.4 11.0





#67

4-Bromophenyl-phenylether

Concen: 2.268 ng

RT: 10.722 min Scan# 1493

Delta R.T. -0.253 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

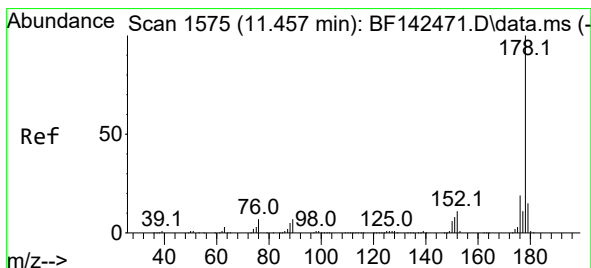
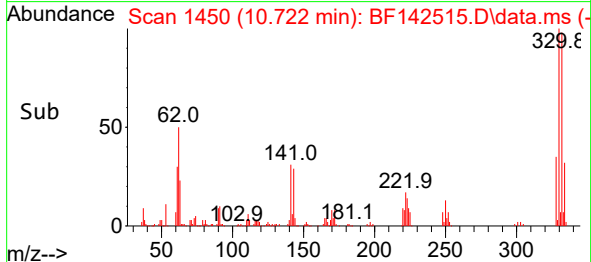
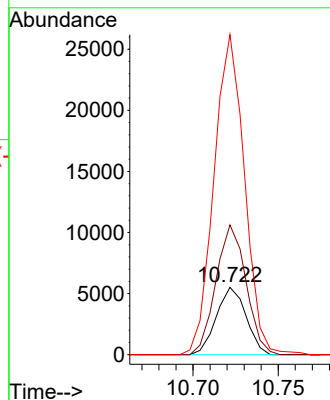
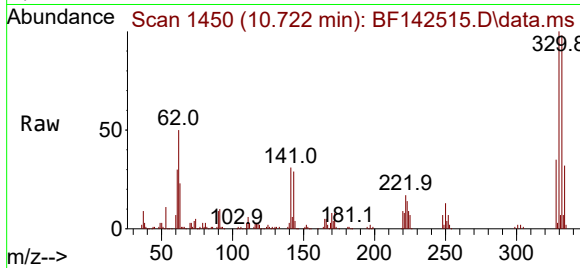
Tgt Ion:248 Resp: 6666

Ion Ratio Lower Upper

248 100

250 192.5 79.0 118.4#

141 474.9 58.4 87.6#



#71

Phenanthrene

Concen: 3.806 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

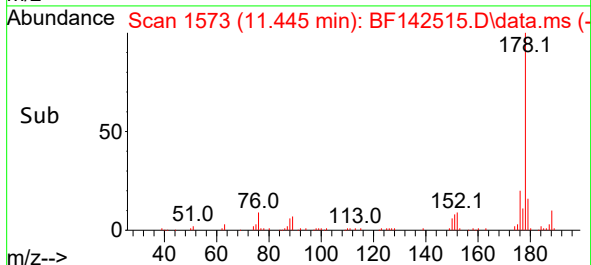
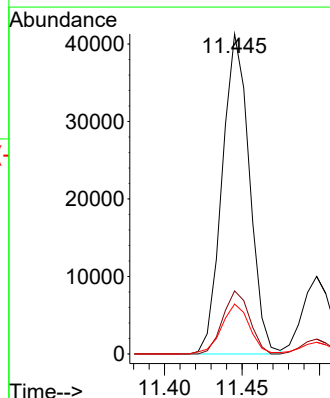
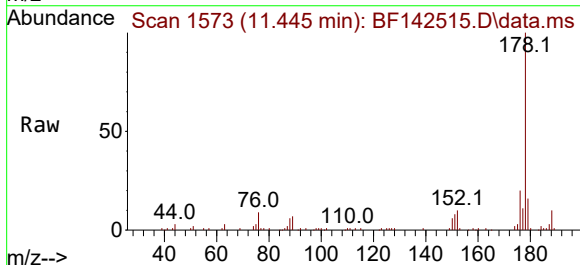
Tgt Ion:178 Resp: 50563

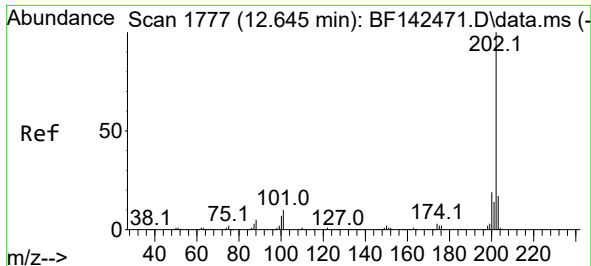
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.6 12.3 18.5

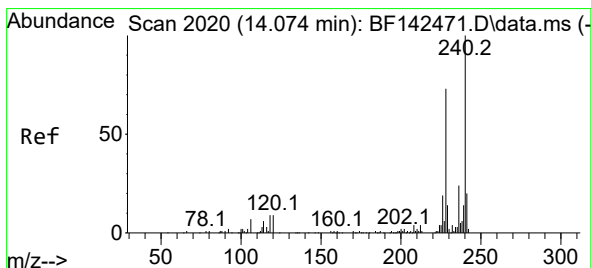
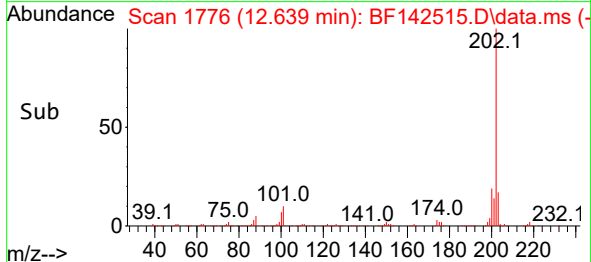
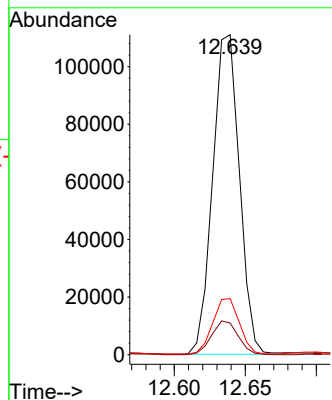
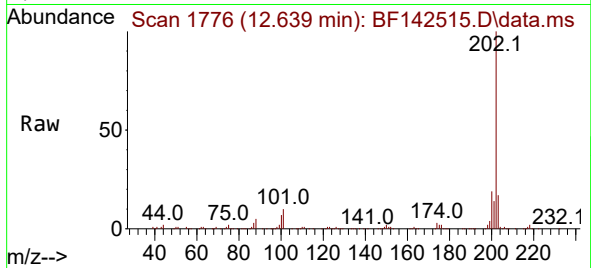




#75
Fluoranthene
Concen: 11.687 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

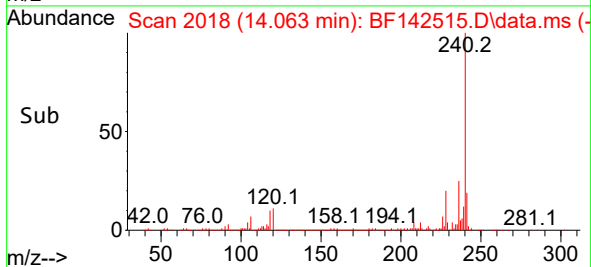
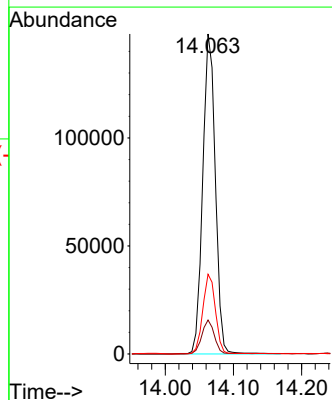
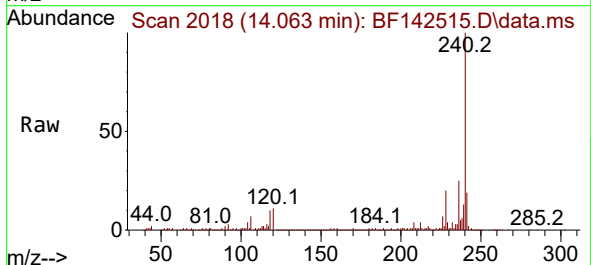
Instrument :
BNA_F
ClientSampleId :
TP-40

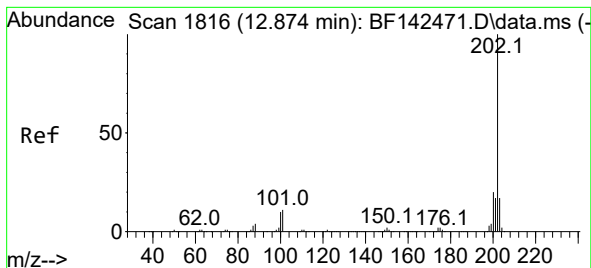
Tgt Ion:202 Resp: 145071
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:240 Resp: 190159
Ion Ratio Lower Upper
240 100
120 10.6 7.5 11.3
236 24.9 19.6 29.4





#78

Pyrene

Concen: 7.966 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

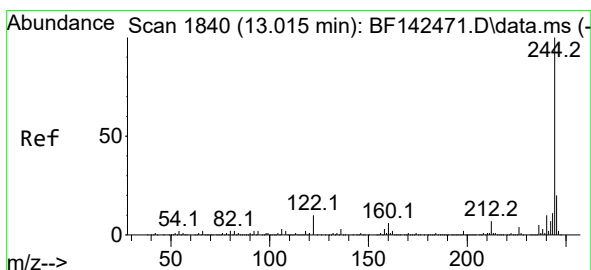
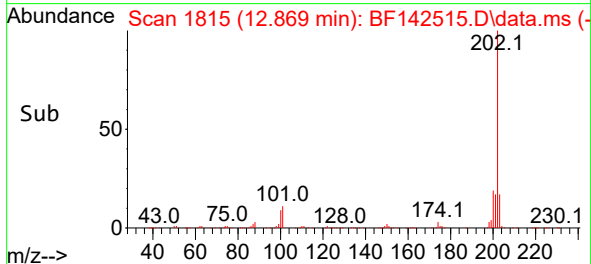
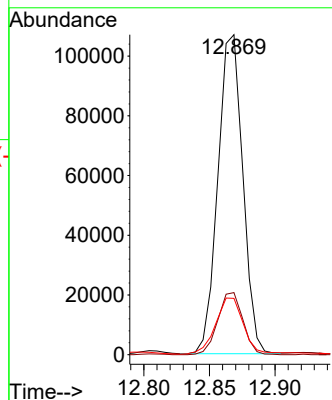
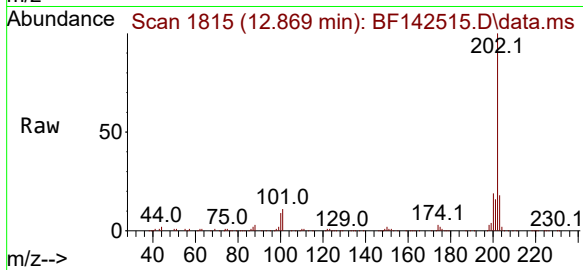
Tgt Ion:202 Resp: 141308

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 33.100 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

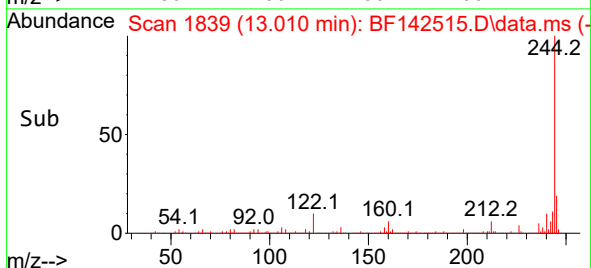
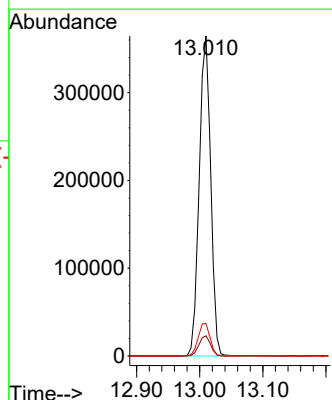
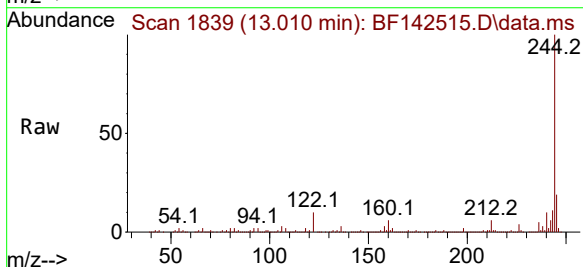
Tgt Ion:244 Resp: 460591

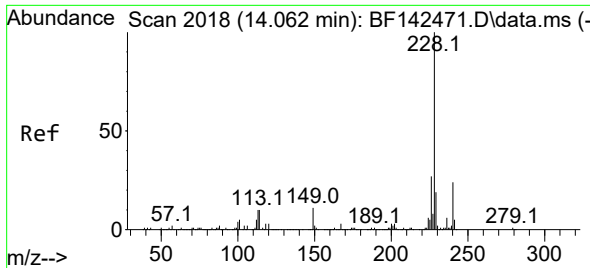
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 10.2 8.2 12.2

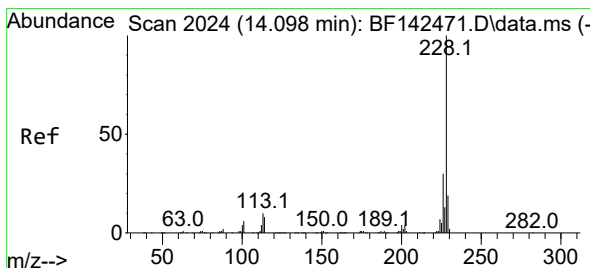
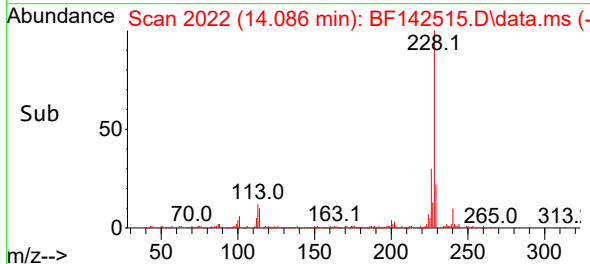
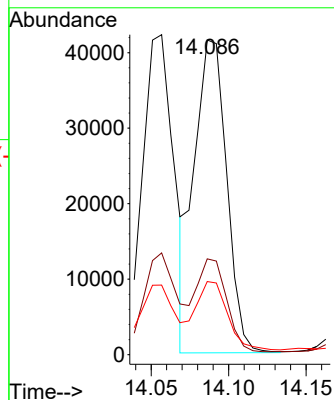
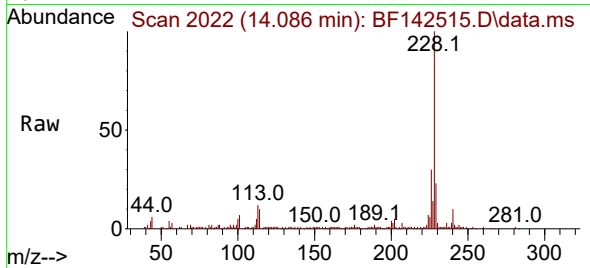




#81
Benzo(a)anthracene
Concen: 4.741 ng
RT: 14.086 min Scan# 2017
Delta R.T. 0.024 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

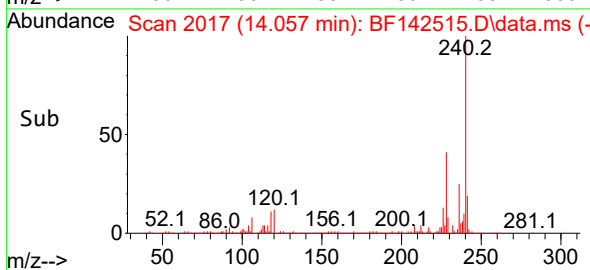
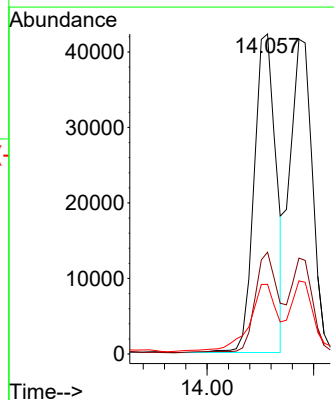
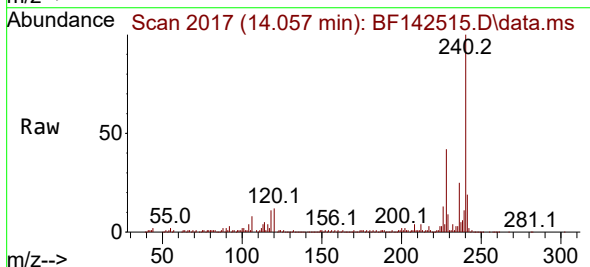
Instrument :
BNA_F
ClientSampleId :
TP-40

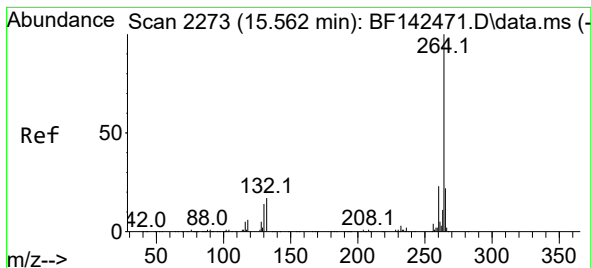
Tgt Ion:228 Resp: 60204
Ion Ratio Lower Upper
228 100
226 30.5 21.2 31.8
229 23.2 15.5 23.3



#83
Chrysene
Concen: 5.264 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.047 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:228 Resp: 60061
Ion Ratio Lower Upper
228 100
226 31.8 23.8 35.6
229 21.7 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

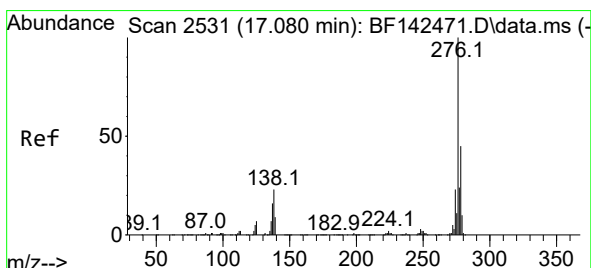
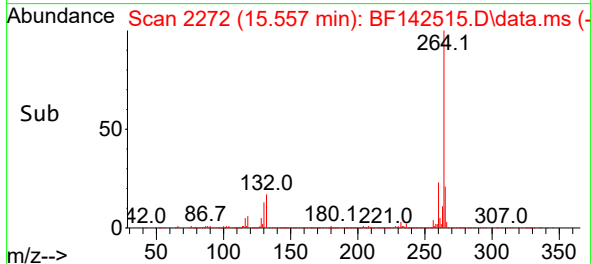
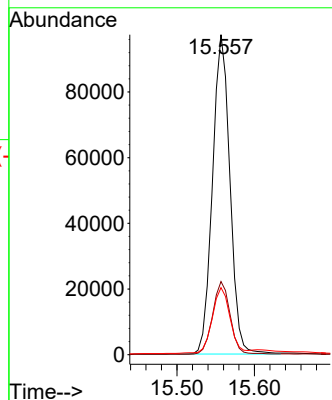
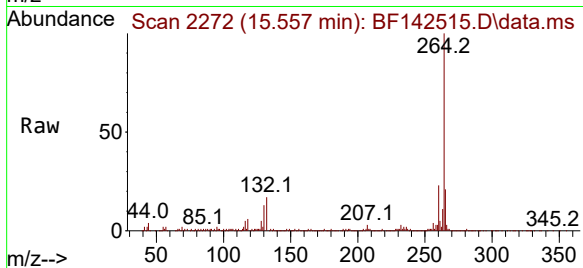
Tgt Ion:264 Resp: 152099

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.0 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.327 ng

RT: 17.057 min Scan# 2527

Delta R.T. -0.035 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

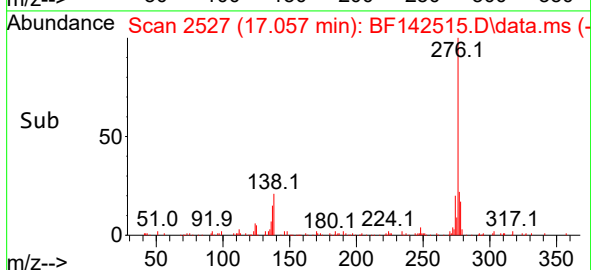
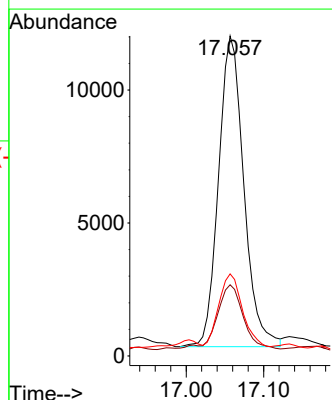
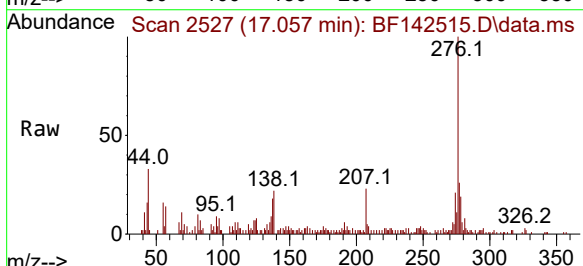
Tgt Ion:276 Resp: 26567

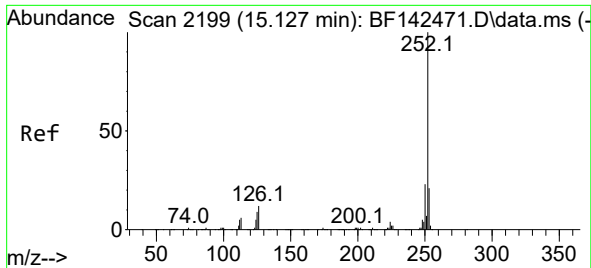
Ion Ratio Lower Upper

276 100

138 22.9 19.9 29.9

277 23.2 20.2 30.2

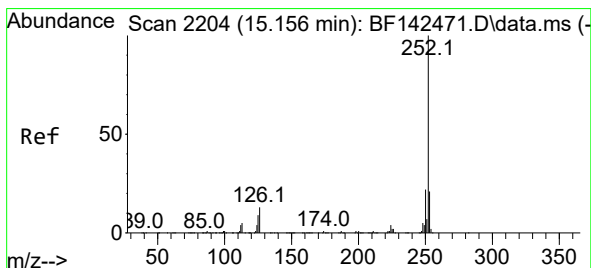
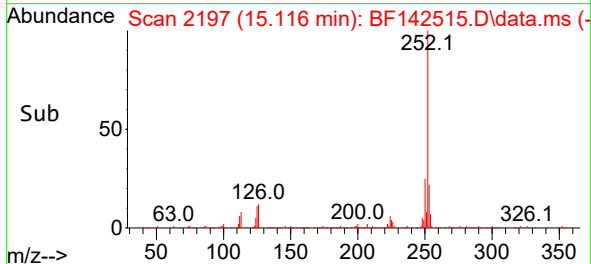
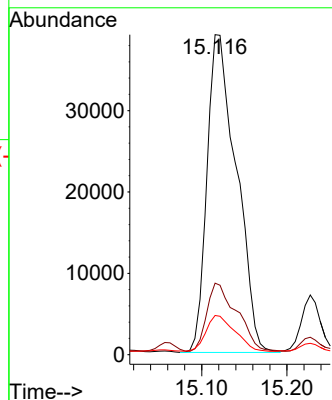
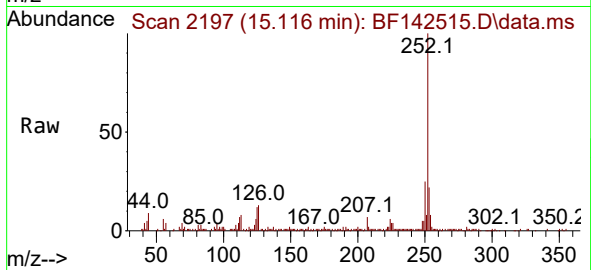




#88
Benzo(b)fluoranthene
Concen: 10.409 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

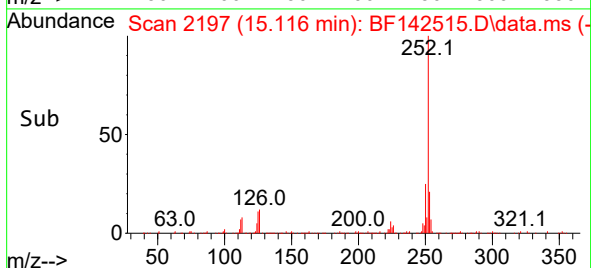
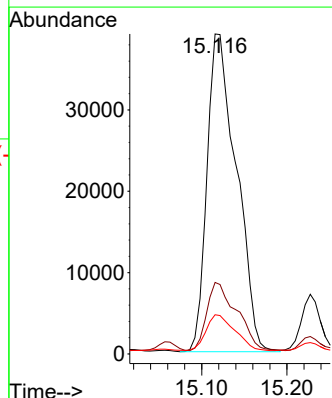
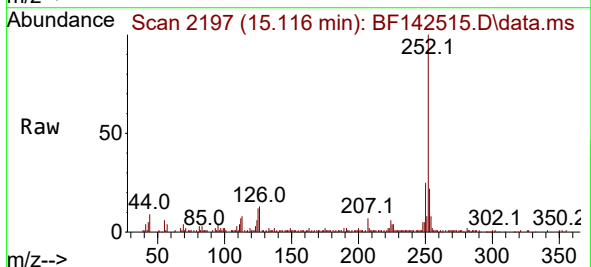
Instrument :
BNA_F
ClientSampleId :
TP-40

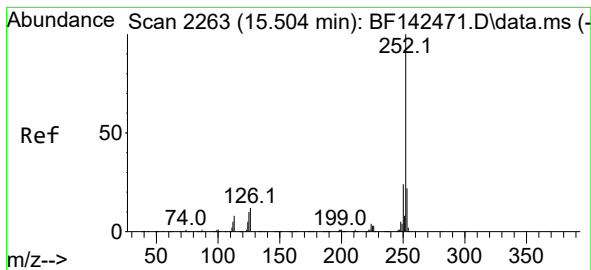
Tgt Ion:252 Resp: 93697
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 12.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 11.113 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.047 min
Lab File: BF142515.D
Acq: 22 May 2025 17:32

Tgt Ion:252 Resp: 93697
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 12.3 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 5.387 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Instrument :

BNA_F

ClientSampleId :

TP-40

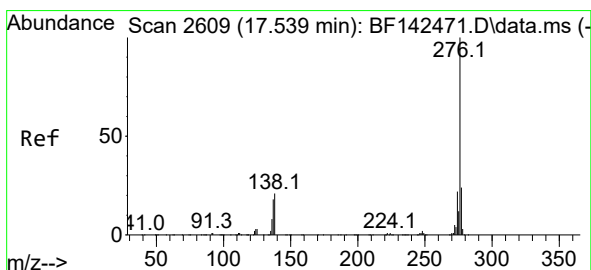
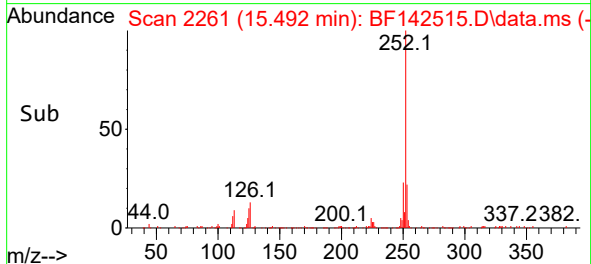
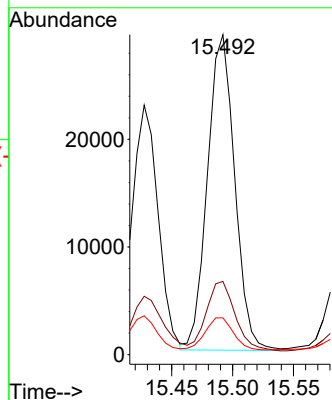
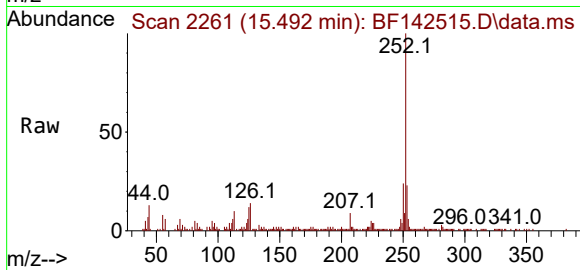
Tgt Ion:252 Resp: 45711

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 11.5 7.9 11.9



#92

Benzo(g,h,i)perylene

Concen: 2.845 ng

RT: 17.515 min Scan# 2605

Delta R.T. -0.041 min

Lab File: BF142515.D

Acq: 22 May 2025 17:32

Tgt Ion:276 Resp: 26352

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 23.5 16.8 25.2

