

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142495.D
 Acq On : 21 May 2025 19:05
 Operator : RC/JU
 Sample : Q2075-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Quant Time: May 22 01:01:57 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

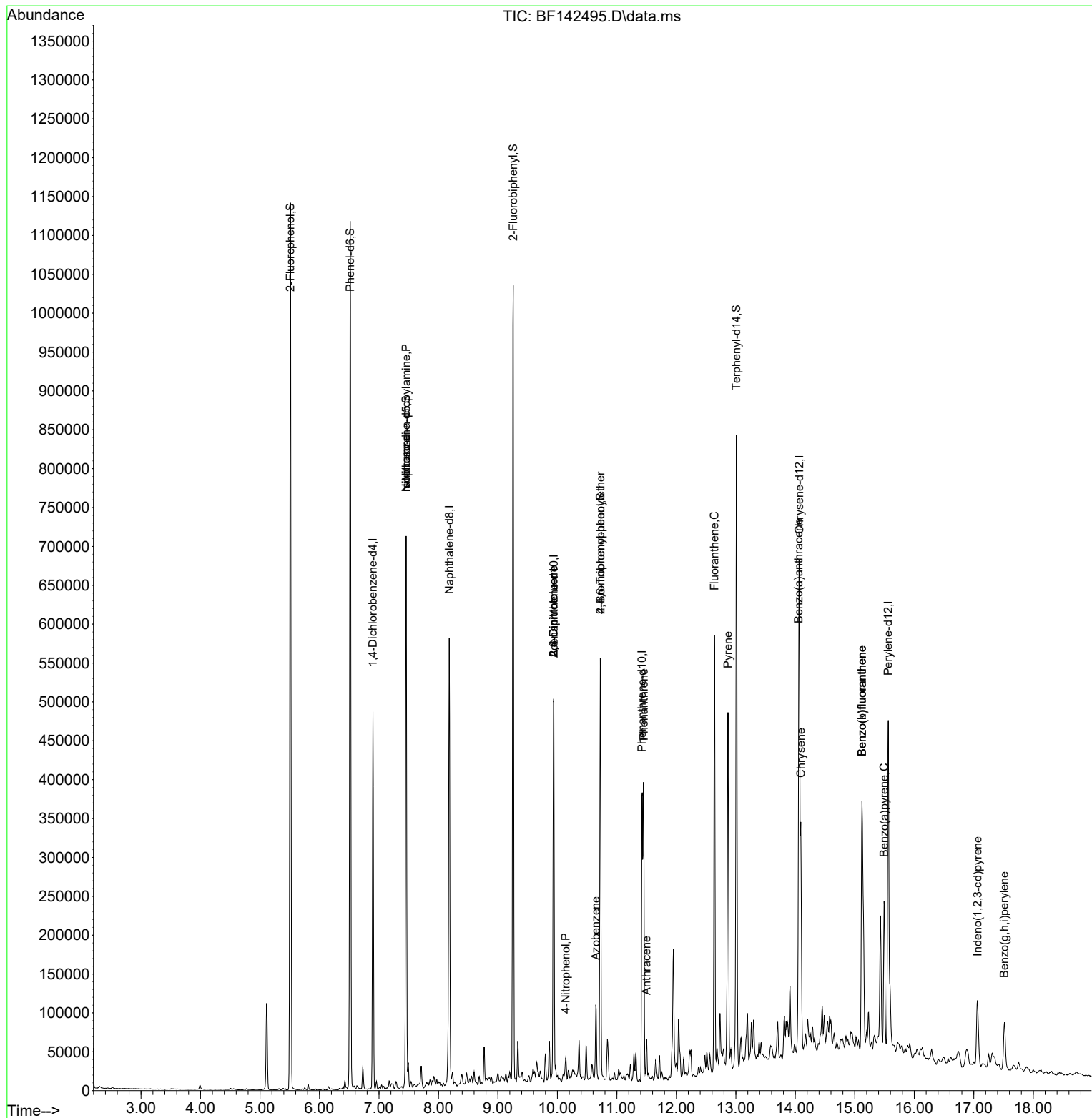
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	100766	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	357959	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	148328	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	194795	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	218313	20.000	ng	0.00
86) Perylene-d12	15.562	264	247525	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	428079	71.573	ng	0.00
7) Phenol-d6	6.516	99	508939	70.688	ng	-0.02
23) Nitrobenzene-d5	7.457	82	288423	43.936	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	90602	55.035	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	462302	41.823	ng	-0.01
79) Terphenyl-d14	13.010	244	378926	23.719	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	40205	9.010	ng	# 77
25) Isophorone	7.457	82	275602	25.111	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	20562	9.734	ng	# 28
56) 4-Nitrophenol	10.139	139	5031	2.955	ng	# 17
57) 2,4-Dinitrotoluene	9.933	165	20562	7.454	ng	# 28
63) Azobenzene	10.645	77	21516	2.506	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	5589	2.427	ng	# 1
71) Phenanthrene	11.451	178	209436	20.118	ng	99
72) Anthracene	11.498	178	30925	2.911	ng	98
75) Fluoranthene	12.639	202	320997	33.000	ng	99
78) Pyrene	12.869	202	259576	12.746	ng	98
81) Benzo(a)anthracene	14.057	228	149419	10.250	ng	95
83) Chrysene	14.092	228	149609	11.421	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	64612	3.477	ng	95
88) Benzo(b)fluoranthene	15.121	252	281888	19.242	ng	97
89) Benzo(k)fluoranthene	15.121	252	281888	20.544	ng	97
90) Benzo(a)pyrene	15.492	252	115361	8.354	ng	98
92) Benzo(g,h,i)perylene	17.515	276	54992	3.648	ng	97

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

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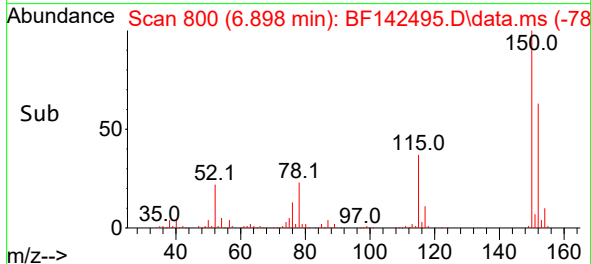
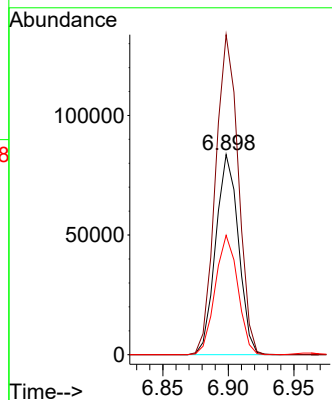
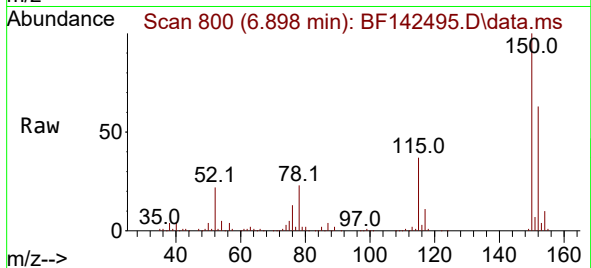




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

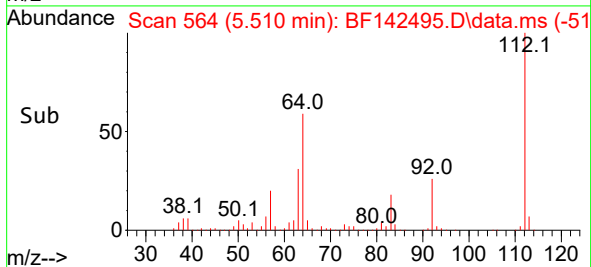
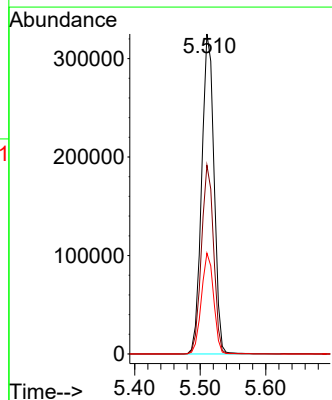
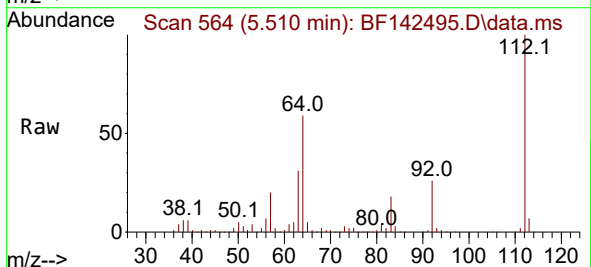
Instrument :
BNA_F
ClientSampleId :
SS-10

Tgt Ion:152 Resp: 100766
Ion Ratio Lower Upper
152 100
150 159.8 128.2 192.4
115 59.6 48.3 72.5



#5
2-Fluorophenol
Concen: 71.573 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:112 Resp: 428079
Ion Ratio Lower Upper
112 100
64 59.0 47.5 71.3
63 31.5 24.9 37.3

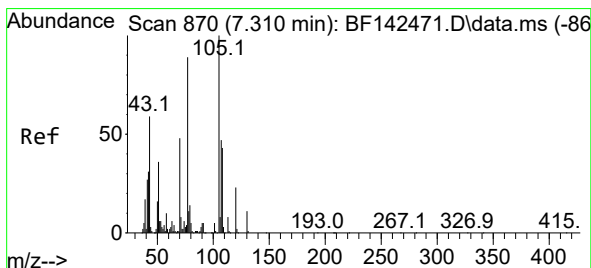
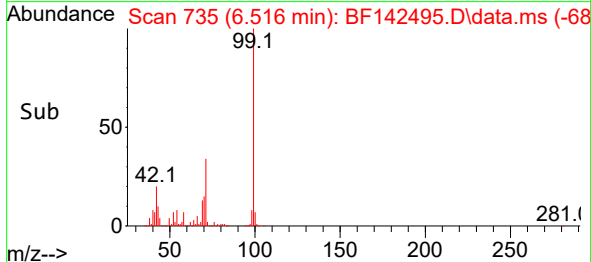
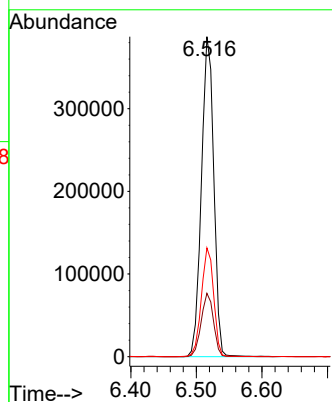
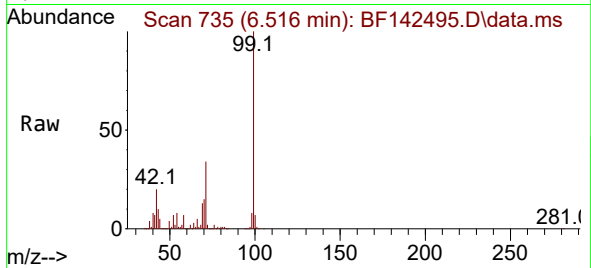




#7
Phenol-d6
Concen: 70.688 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

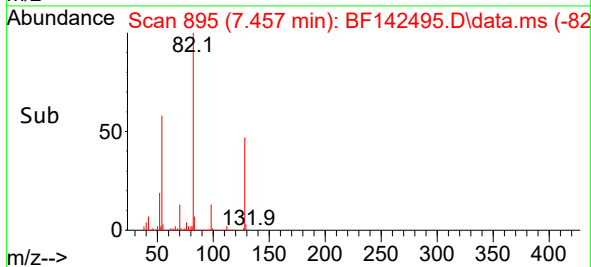
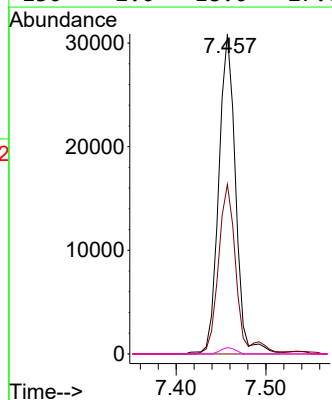
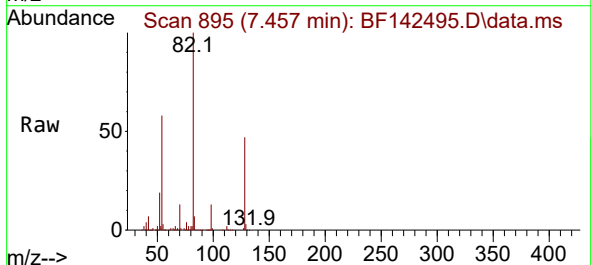
Instrument :
BNA_F
ClientSampleId :
SS-10

Tgt Ion: 99 Resp: 508939
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 34.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.010 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion: 70 Resp: 40205
Ion Ratio Lower Upper
70 100
42 53.0 52.4 78.6
101 0.0 7.8 11.8#
130 2.0 18.0 27.0#



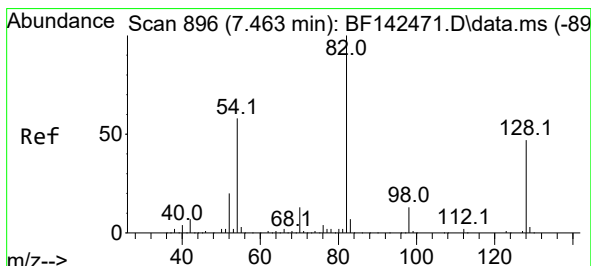
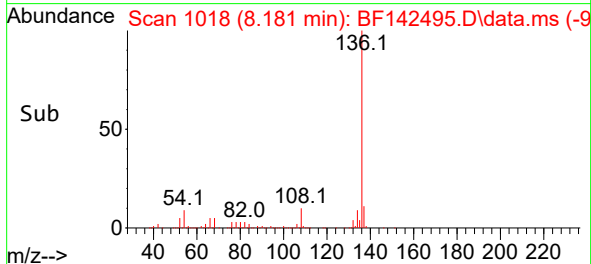
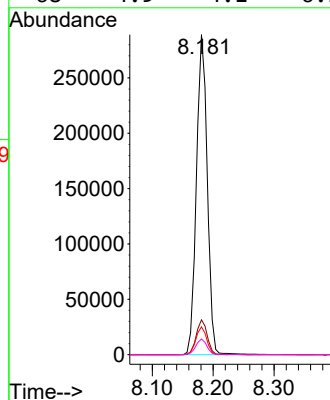
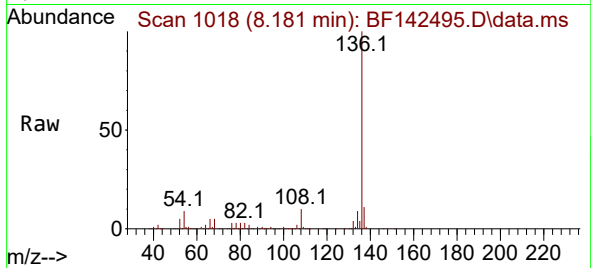


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Instrument :
BNA_F
ClientSampleId :
SS-10

Tgt Ion:136 Resp: 357959

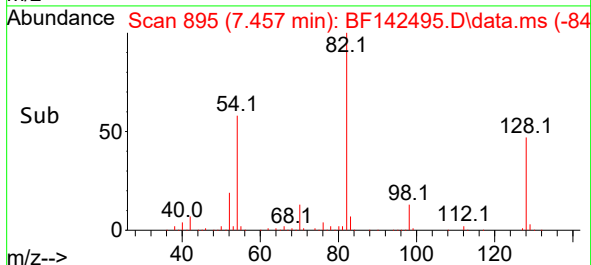
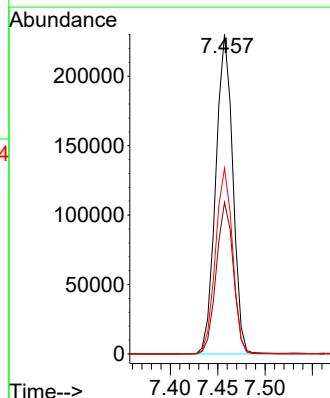
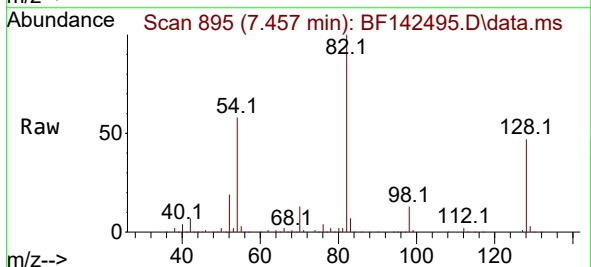
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	6.6	10.0
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 43.936 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion: 82 Resp: 288423

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.2
54	58.0	46.6	70.0

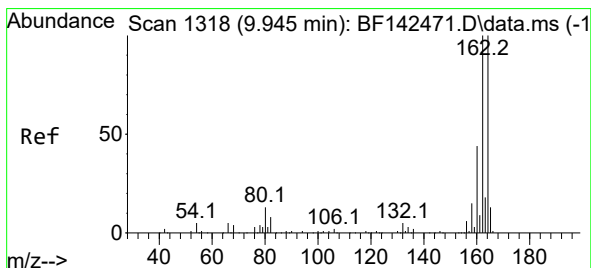
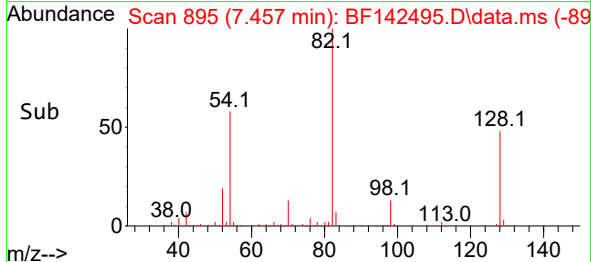
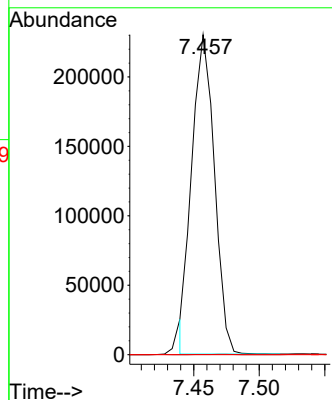
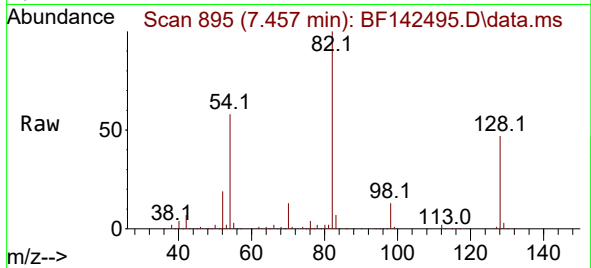




#25
Isophorone
Concen: 25.111 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

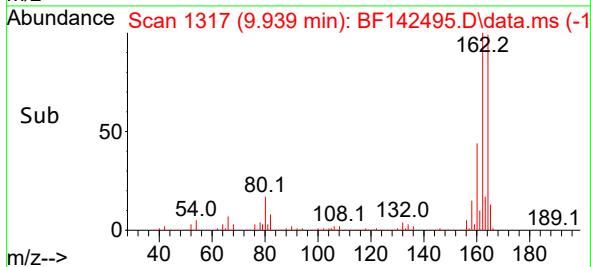
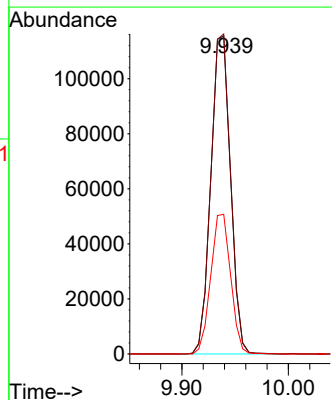
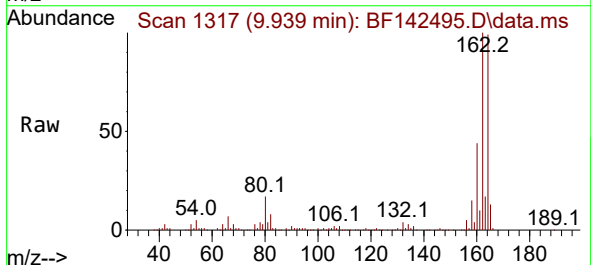
Instrument :
BNA_F
ClientSampleId :
SS-10

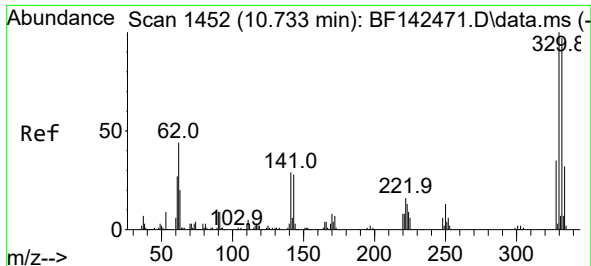
Tgt Ion: 82 Resp: 275602
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:164 Resp: 148328
Ion Ratio Lower Upper
164 100
162 100.7 80.2 120.4
160 43.9 35.6 53.4

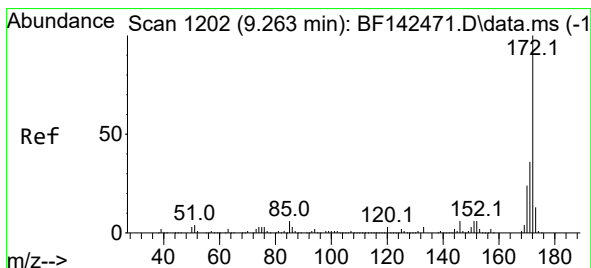
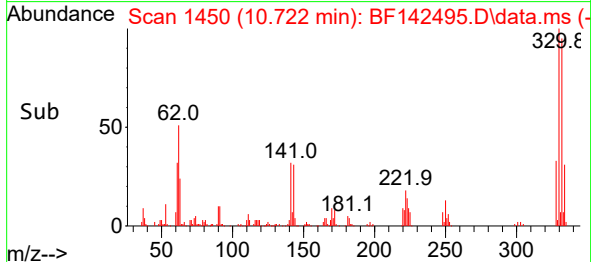
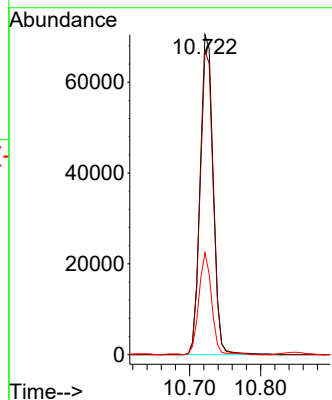
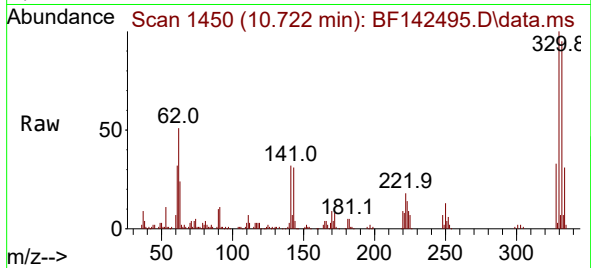




#42
2,4,6-Tribromophenol
Concen: 55.035 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

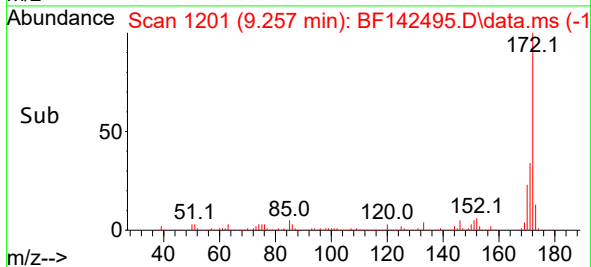
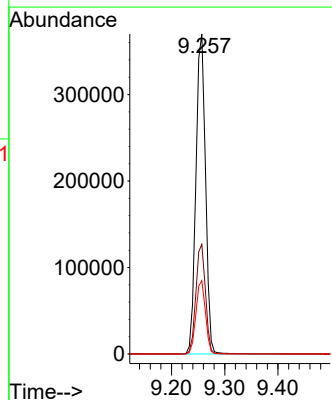
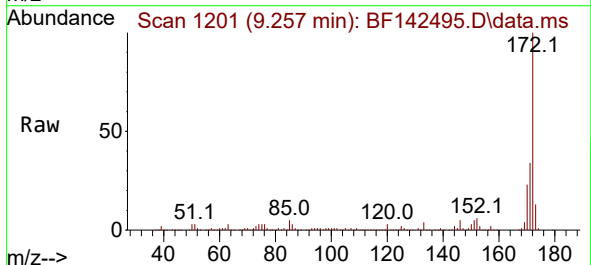
Instrument :
BNA_F
ClientSampleId :
SS-10

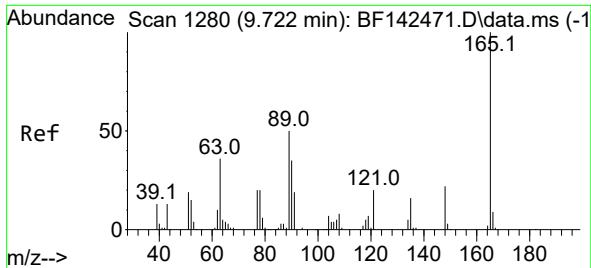
Tgt Ion:330 Resp: 90602
Ion Ratio Lower Upper
330 100
332 94.9 77.6 116.4
141 30.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 41.823 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:172 Resp: 462302
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 22.9 18.9 28.3

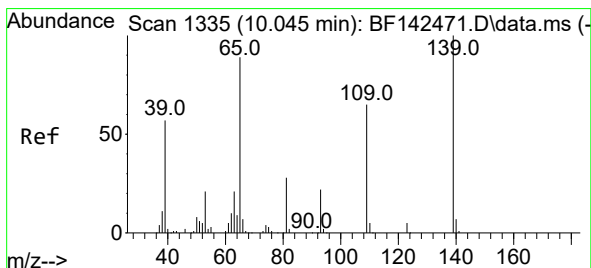
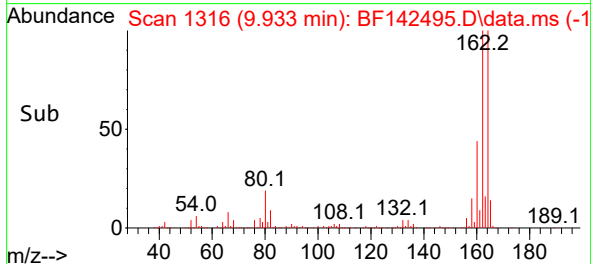
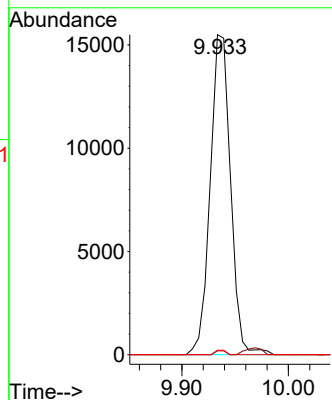
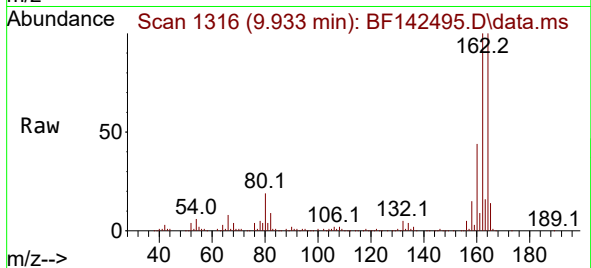




#51
2,6-Dinitrotoluene
Concen: 9.734 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

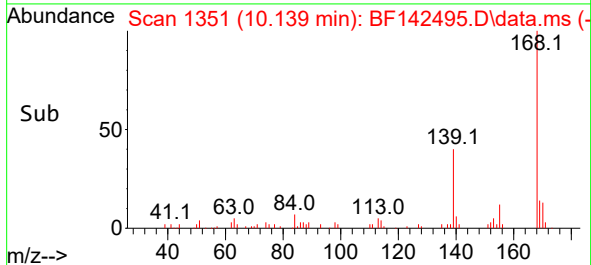
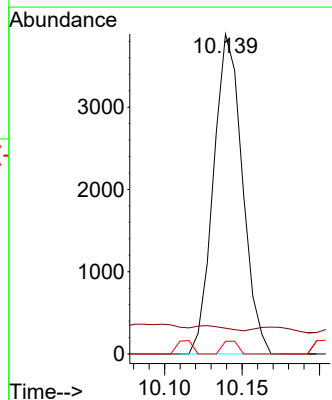
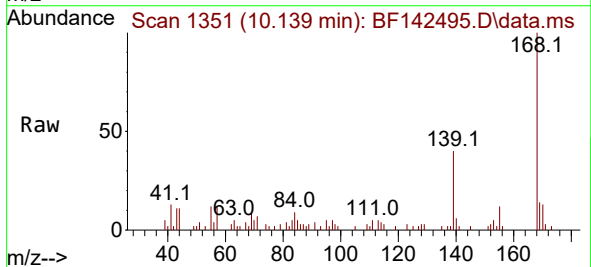
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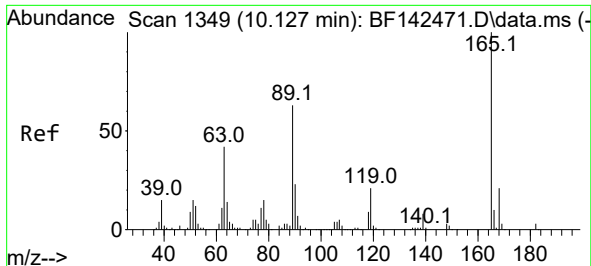
Tgt Ion:165 Resp: 20562
Ion Ratio Lower Upper
165 100
63 1.2 42.9 64.3#
89 1.4 40.2 60.4#



#56
4-Nitrophenol
Concen: 2.955 ng
RT: 10.139 min Scan# 1351
Delta R.T. 0.088 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

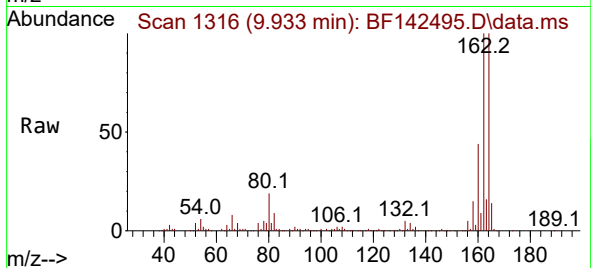
Tgt Ion:139 Resp: 5031
Ion Ratio Lower Upper
139 100
109 8.0 45.1 85.1#
65 3.9 69.7 109.7#



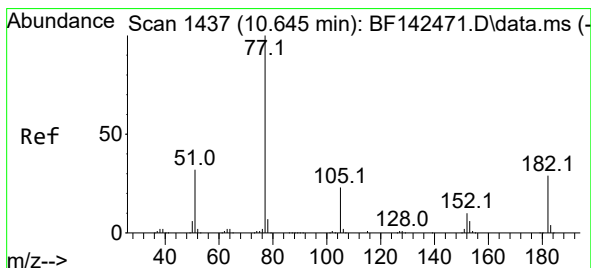
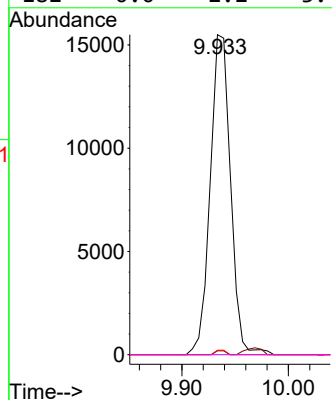
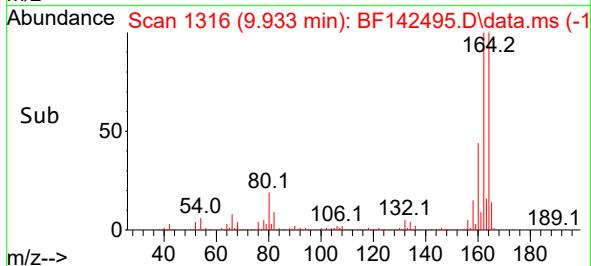


#57
2,4-Dinitrotoluene
Concen: 7.454 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

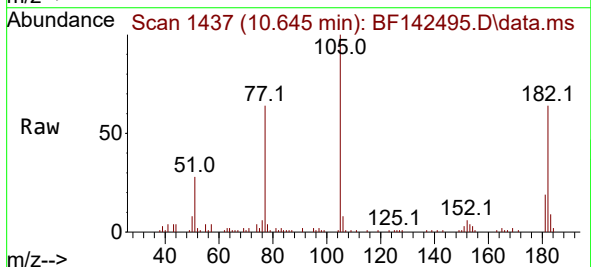
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BNA_F
ClientSampleId :
SS-10



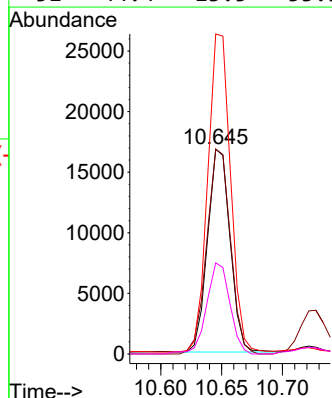
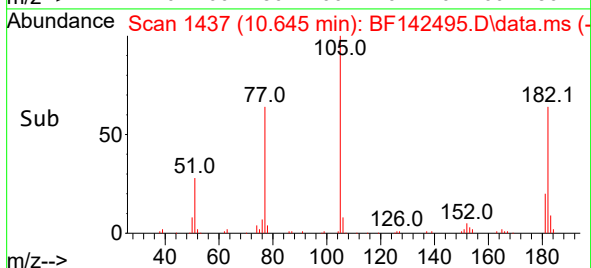
Tgt Ion:165 Resp: 20562
Ion Ratio Lower Upper
165 100
63 1.2 33.6 50.4#
89 1.4 50.2 75.4#
182 0.0 2.2 3.4#

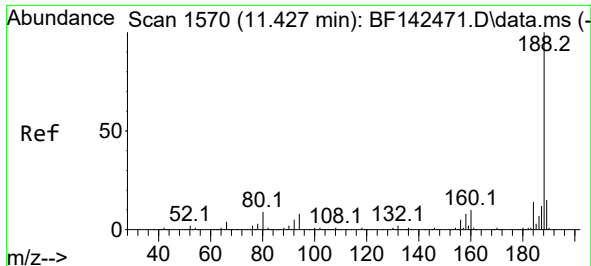


#63
Azobenzene
Concen: 2.506 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05



Tgt Ion: 77 Resp: 21516
Ion Ratio Lower Upper
77 100
182 100.0 9.0 49.0#
105 156.2 2.4 42.4#
51 44.4 13.5 53.5

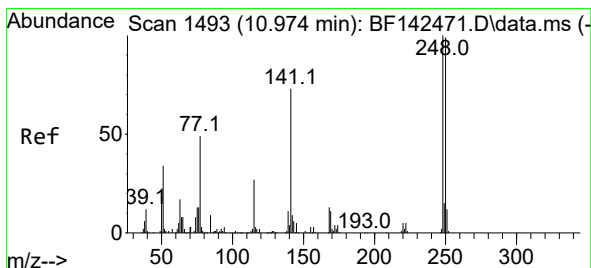
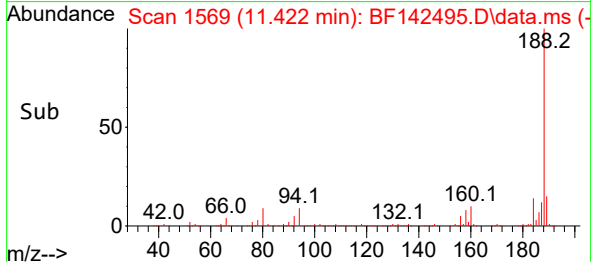
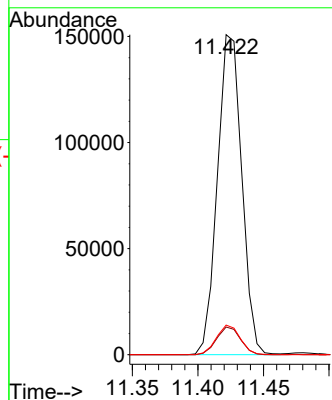
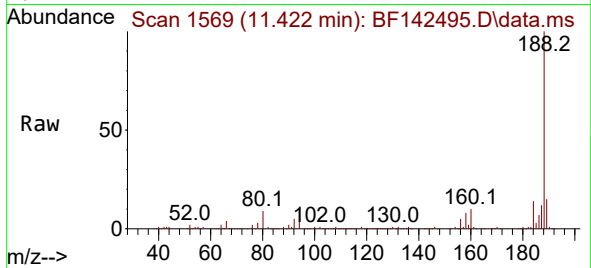




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

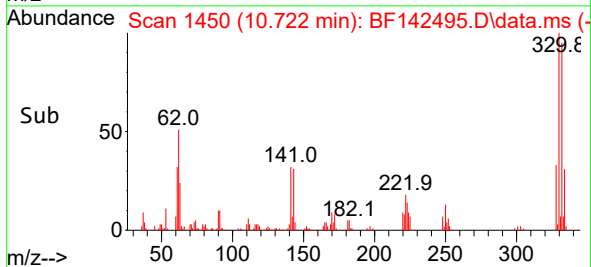
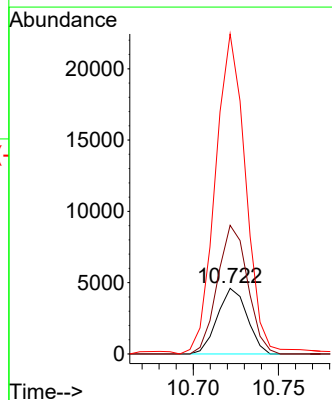
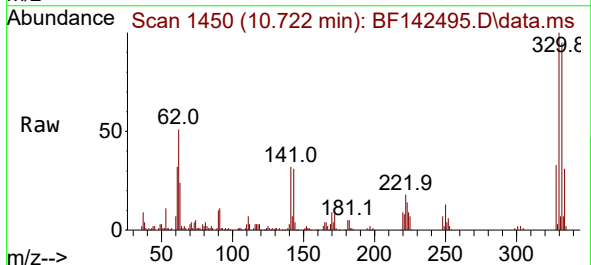
Instrument :
BNA_F
ClientSampleId :
SS-10

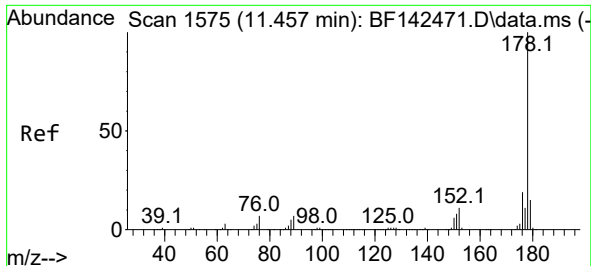
Tgt Ion:188 Resp: 194795
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.3 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 2.427 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:248 Resp: 5589
Ion Ratio Lower Upper
248 100
250 196.0 79.0 118.4#
141 487.4 58.4 87.6#

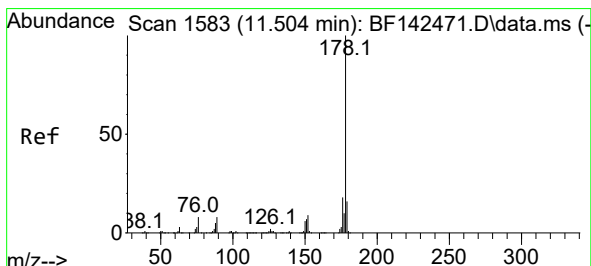
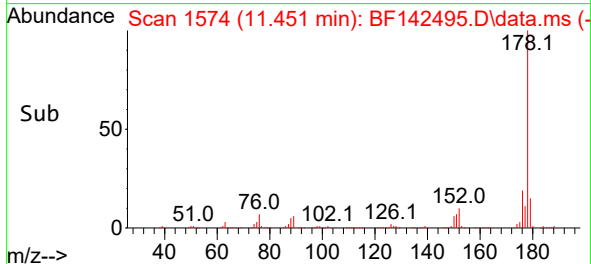
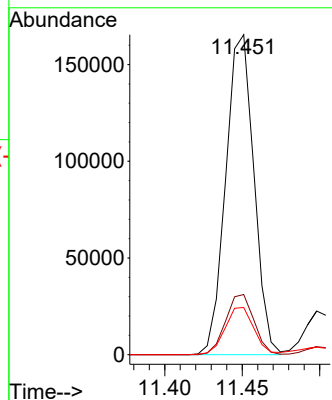
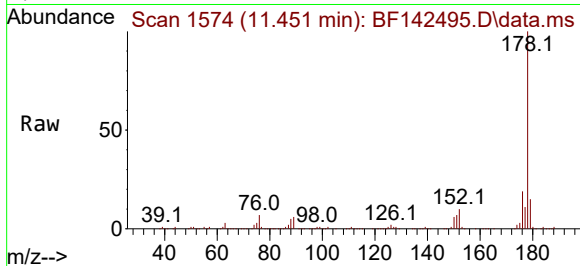




#71
Phenanthrene
Concen: 20.118 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

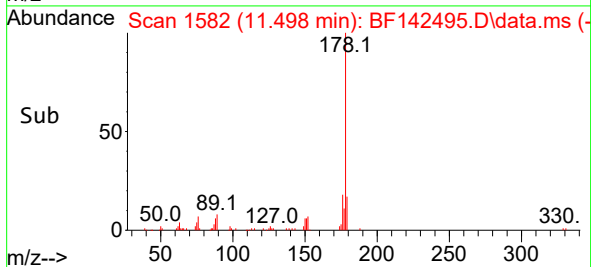
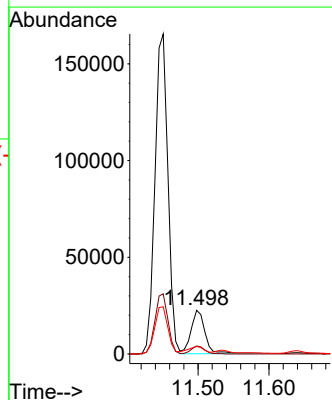
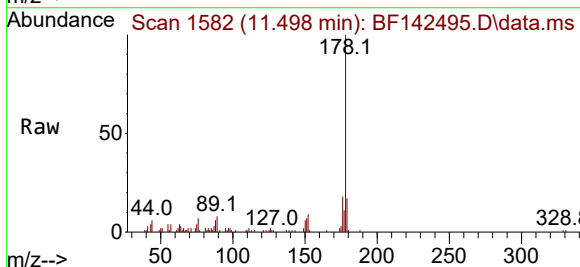
Instrument :
BNA_F
ClientSampleId :
SS-10

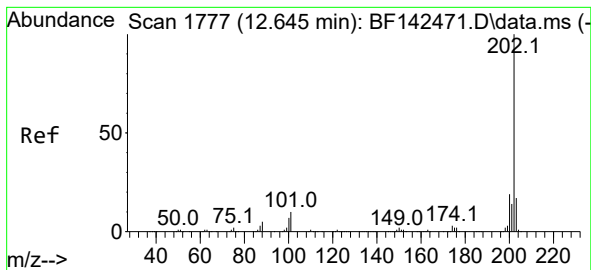
Tgt Ion:178 Resp: 209436
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.8 12.3 18.5



#72
Anthracene
Concen: 2.911 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:178 Resp: 30925
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 17.3 12.4 18.6

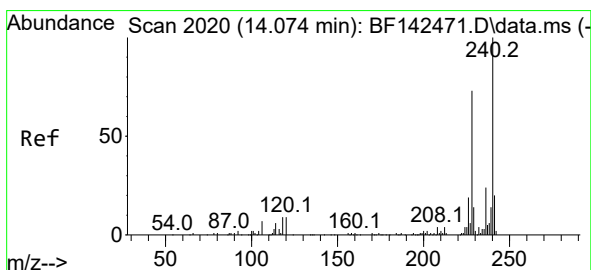
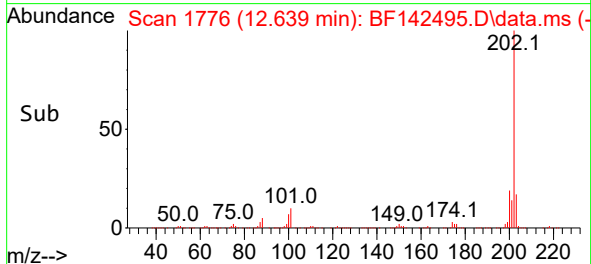
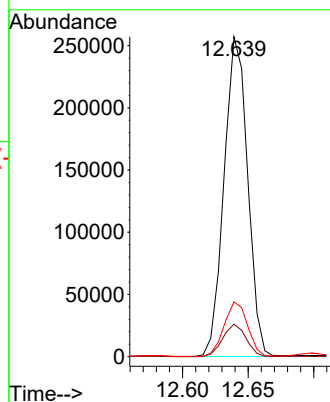
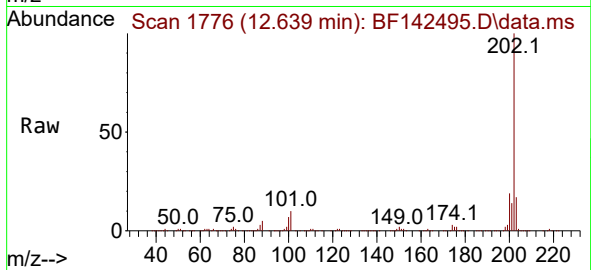




#75
Fluoranthene
Concen: 33.000 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

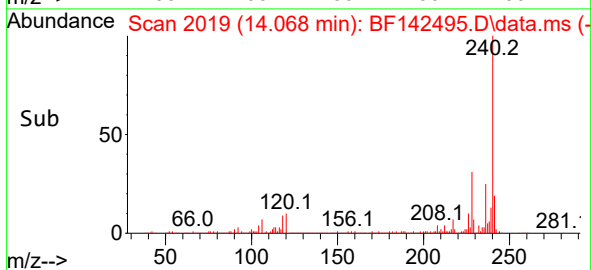
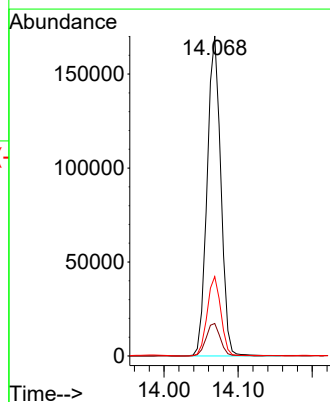
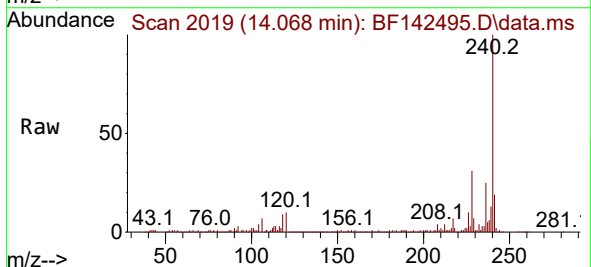
Instrument :
BNA_F
ClientSampleId :
SS-10

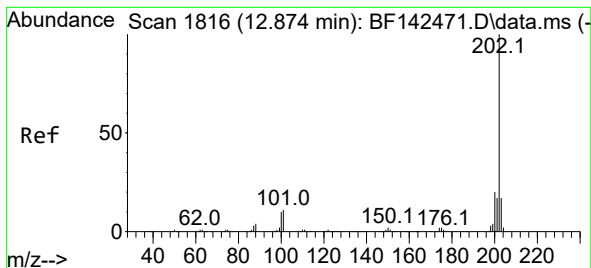
Tgt Ion:202 Resp: 320997
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.6
203 17.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:240 Resp: 218313
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 24.8 19.6 29.4





#78

Pyrene

Concen: 12.746 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

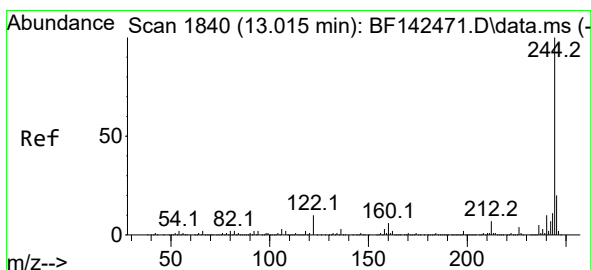
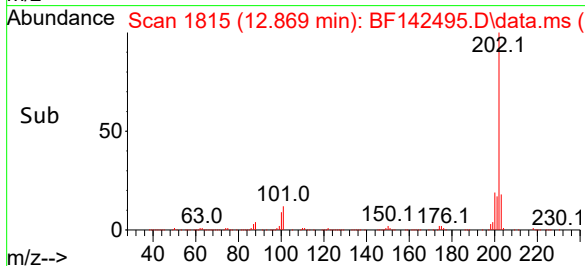
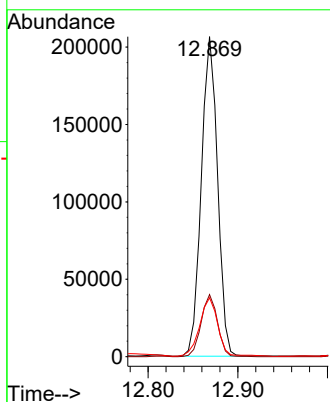
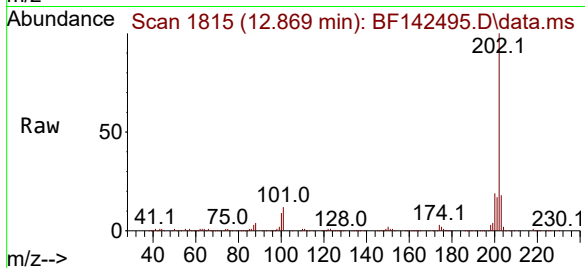
Tgt Ion:202 Resp: 259576

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 18.4 13.9 20.9



#79

Terphenyl-d14

Concen: 23.719 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

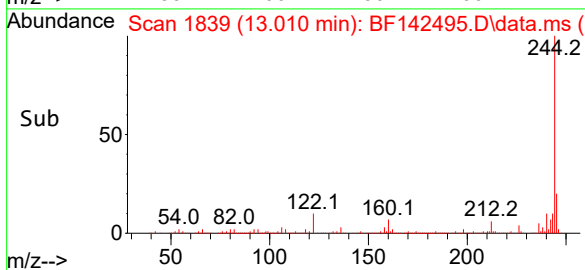
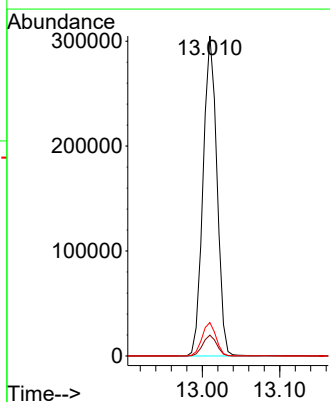
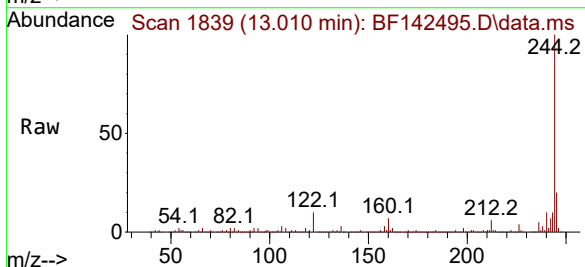
Tgt Ion:244 Resp: 378926

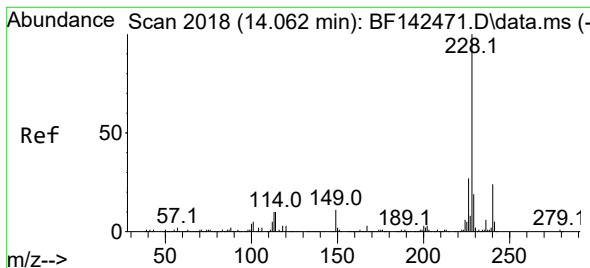
Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.5 8.2 12.2





#81

Benzo(a)anthracene

Concen: 10.250 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

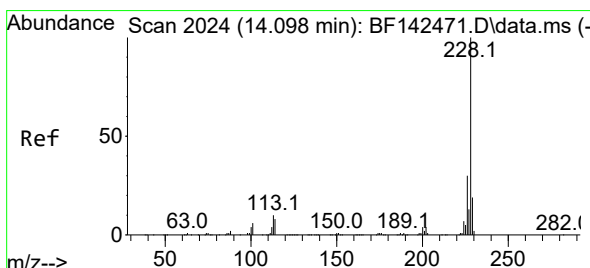
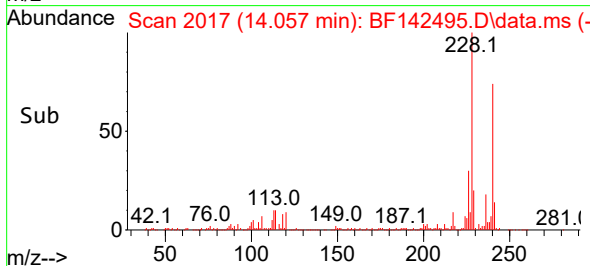
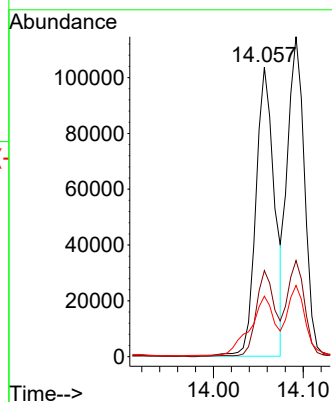
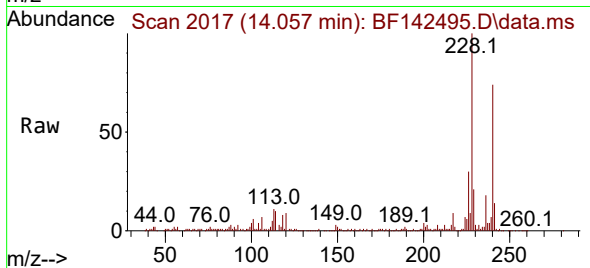
Tgt Ion:228 Resp: 149419

Ion Ratio Lower Upper

228 100

226 29.8 21.2 31.8

229 20.9 15.5 23.3



#83

Chrysene

Concen: 11.421 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

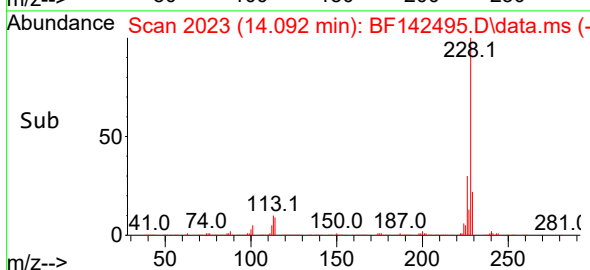
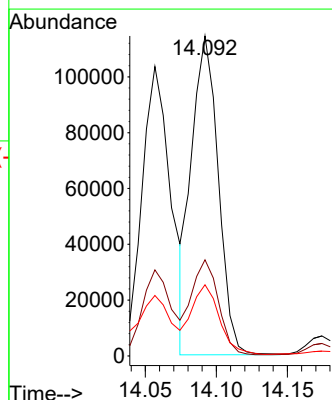
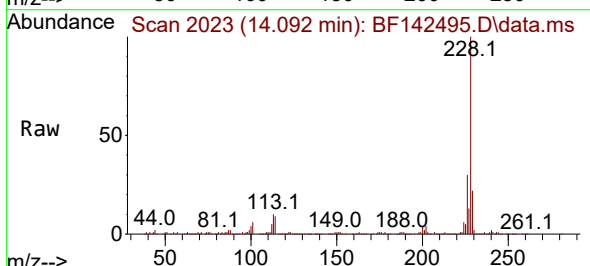
Tgt Ion:228 Resp: 149609

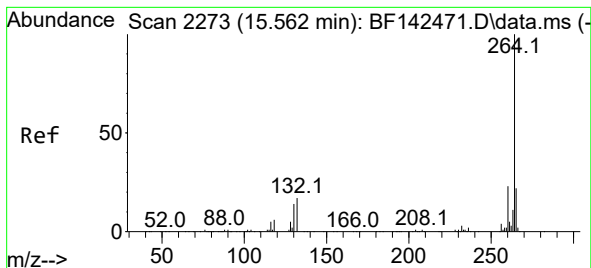
Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 22.2 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

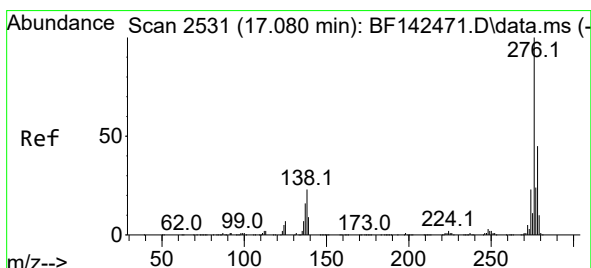
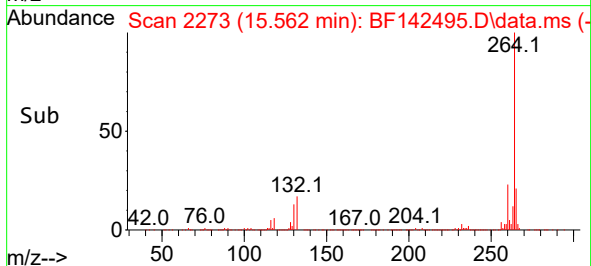
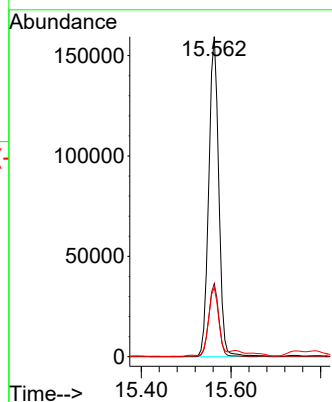
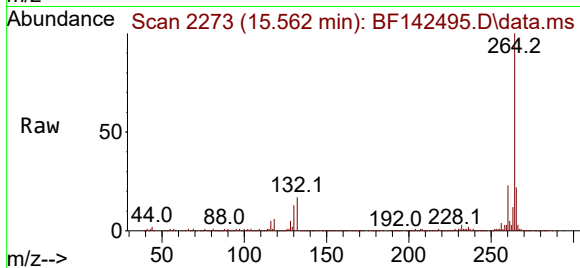
Tgt Ion:264 Resp: 247525

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.6 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.477 ng

RT: 17.062 min Scan# 2528

Delta R.T. -0.029 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

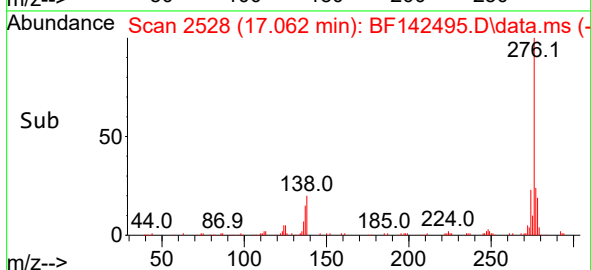
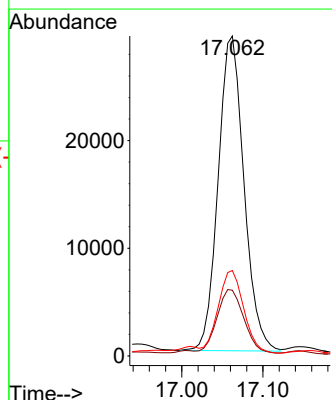
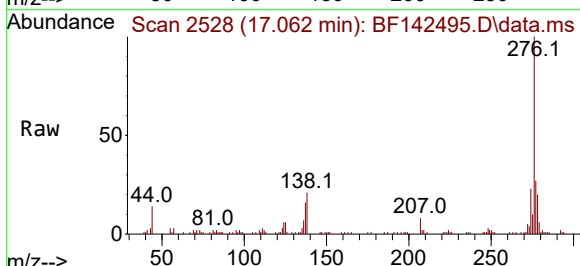
Tgt Ion:276 Resp: 64612

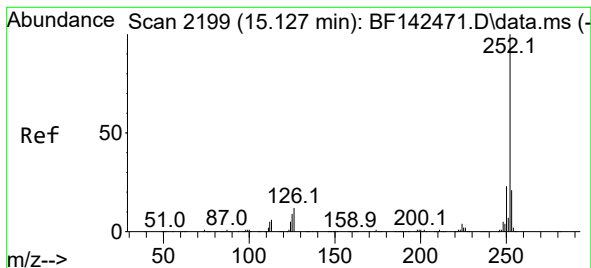
Ion Ratio Lower Upper

276 100

138 21.1 19.9 29.9

277 26.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 19.242 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

Instrument :

BNA_F

ClientSampleId :

SS-10

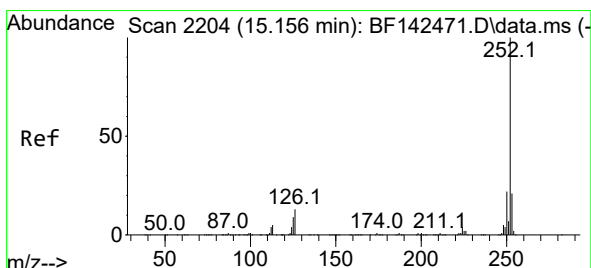
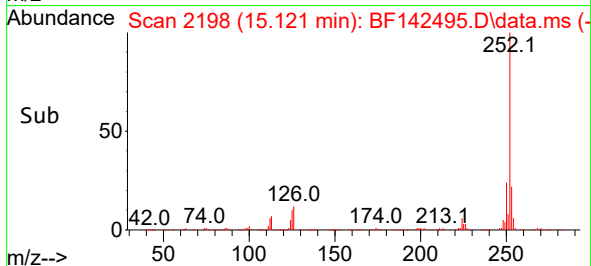
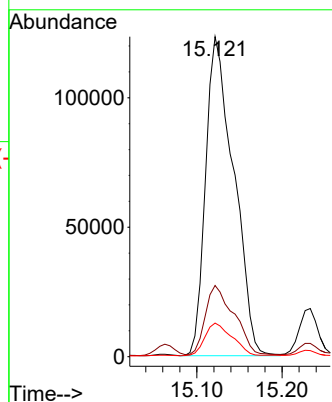
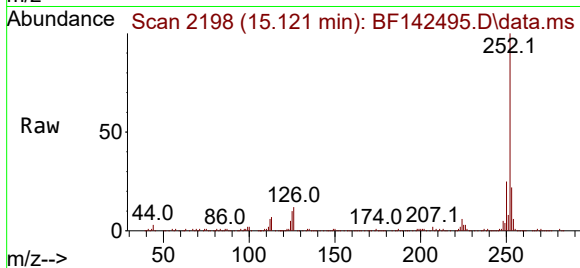
Tgt Ion:252 Resp: 281888

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 10.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 20.544 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF142495.D

Acq: 21 May 2025 19:05

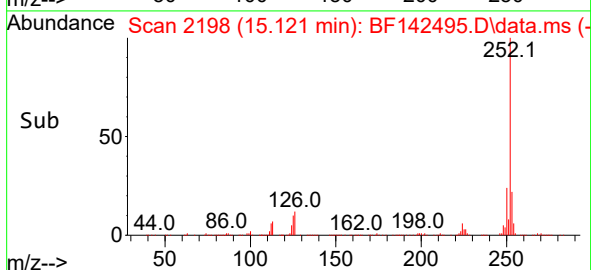
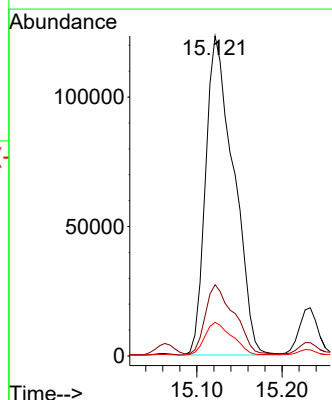
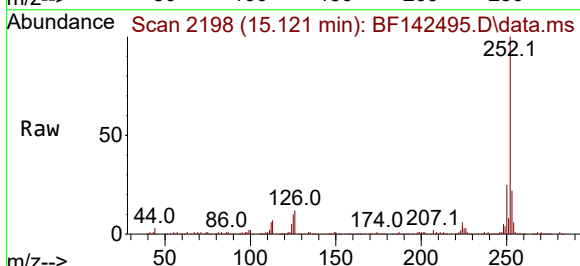
Tgt Ion:252 Resp: 281888

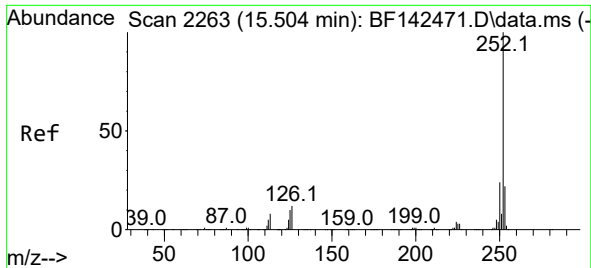
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 10.5 7.3 10.9

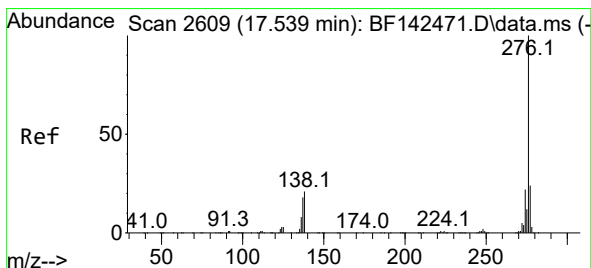
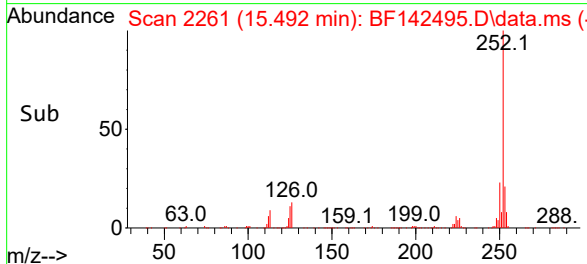
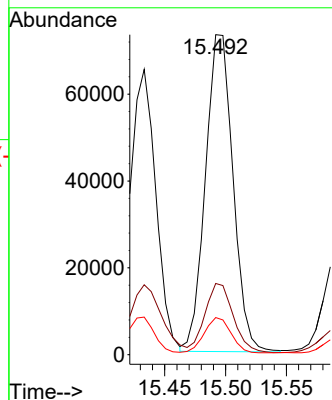
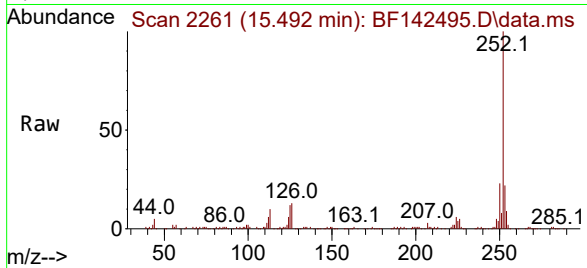




#90
Benzo(a)pyrene
Concen: 8.354 ng
RT: 15.492 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Instrument :
BNA_F
ClientSampleId :
SS-10

Tgt Ion:252 Resp: 115361
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.6 7.9 11.9



#92
Benzo(g,h,i)perylene
Concen: 3.648 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.041 min
Lab File: BF142495.D
Acq: 21 May 2025 19:05

Tgt Ion:276 Resp: 54992
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 23.1 16.8 25.2

