

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142635.D
 Acq On : 05 Jun 2025 15:36
 Operator : RC/JU
 Sample : Q2199-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 16:39:36 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)

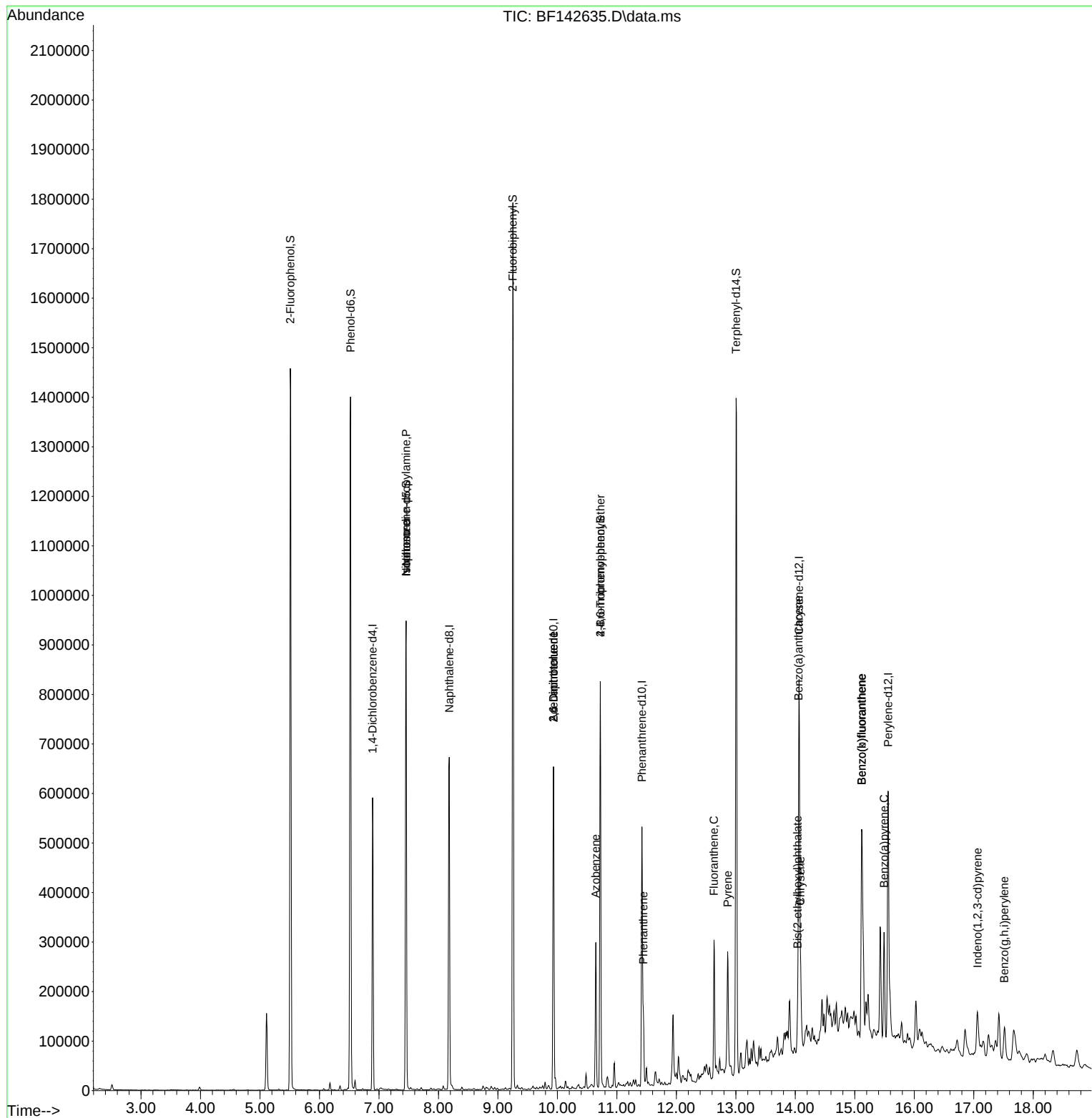
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128508	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	441224	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	192303	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	266025	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	286264	20.000	ng	-0.01
86) Perylene-d12	15.563	264	305176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	581899	76.288	ng	0.00
7) Phenol-d6	6.522	99	676388	73.665	ng	-0.01
23) Nitrobenzene-d5	7.457	82	402061	49.689	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	141302	66.205	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	797978	55.682	ng	-0.02
79) Terphenyl-d14	13.004	244	682686	32.590	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	53832	9.460	ng	# 75
25) Isophorone	7.457	82	371904	27.490	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	23725	8.663	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	23725	6.633	ng	# 28
63) Azobenzene	10.645	77	66442	5.969	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8575	2.726	ng	# 1
71) Phenanthrene	11.445	178	77696	5.465	ng	98
75) Fluoranthene	12.633	202	156640	11.791	ng	98
78) Pyrene	12.863	202	145847	5.462	ng	98
81) Benzo(a)anthracene	14.057	228	116555	6.097	ng	93
83) Chrysene	14.086	228	109645	6.383	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	20458	2.166	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	59532	2.598	ng	97
88) Benzo(b)fluoranthene	15.115	252	368735	20.415	ng	96
89) Benzo(k)fluoranthene	15.115	252	368735	21.797	ng	# 96
90) Benzo(a)pyrene	15.492	252	136094	7.994	ng	97
92) Benzo(g,h,i)perylene	17.515	276	51733	2.783	ng	95

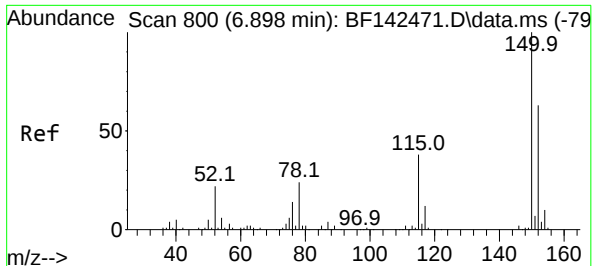
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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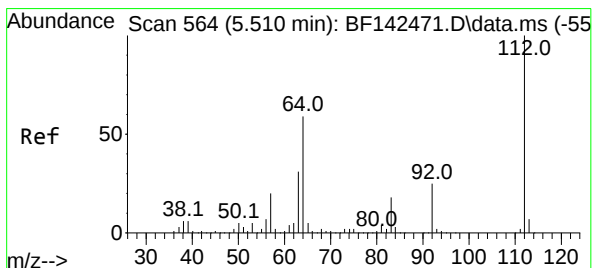
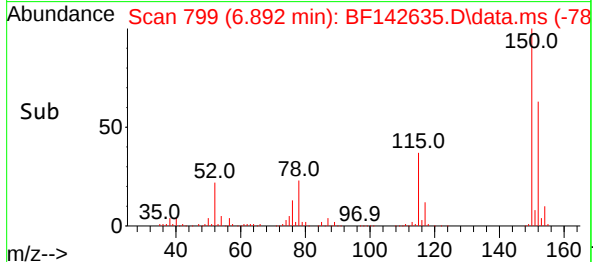
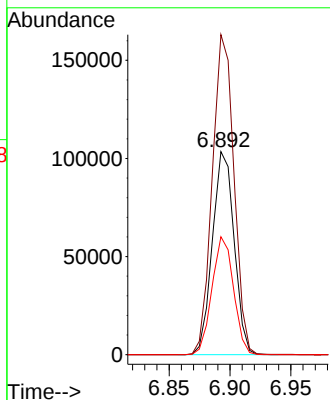
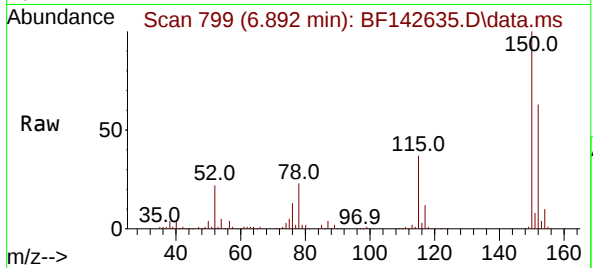




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF142635.D
 Acq: 05 Jun 2025 15:36

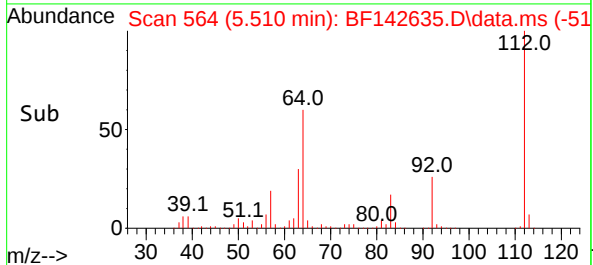
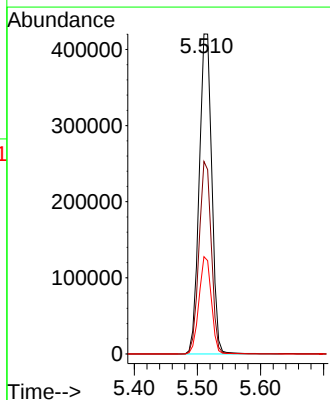
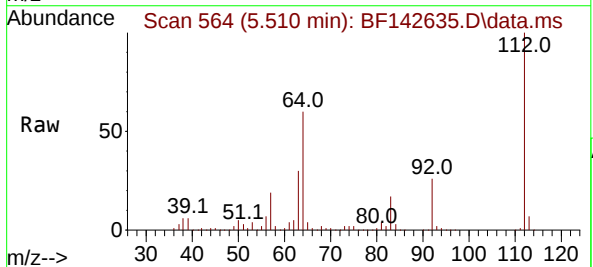
Instrument :
 BNA_F
 ClientSampleId :

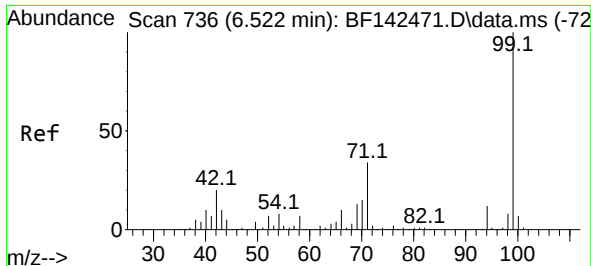
Tgt Ion:152 Resp: 128508
 Ion Ratio Lower Upper
 152 100
 150 157.6 128.2 192.4
 115 58.1 48.3 72.5



#5
 2-Fluorophenol
 Concen: 76.288 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142635.D
 Acq: 05 Jun 2025 15:36

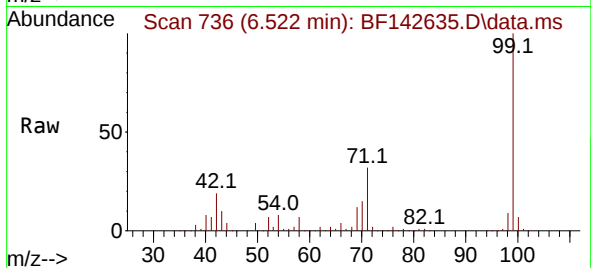
Tgt Ion:112 Resp: 581899
 Ion Ratio Lower Upper
 112 100
 64 60.2 47.5 71.3
 63 30.4 24.9 37.3



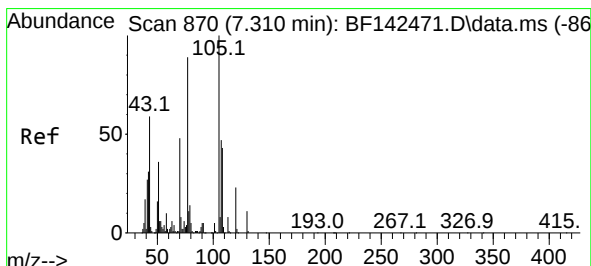
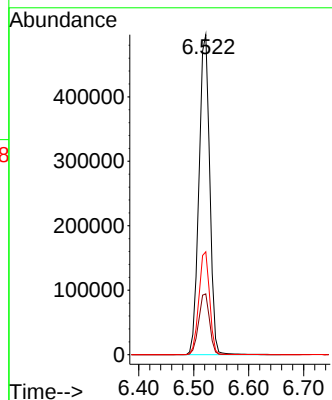
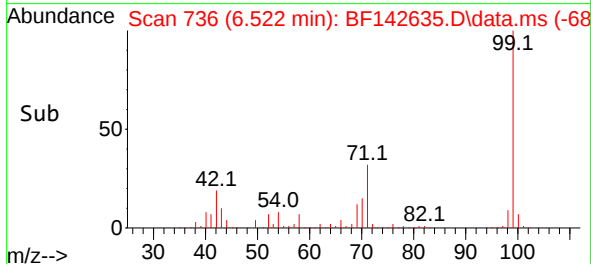


#7
Phenol-d6
Concen: 73.665 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

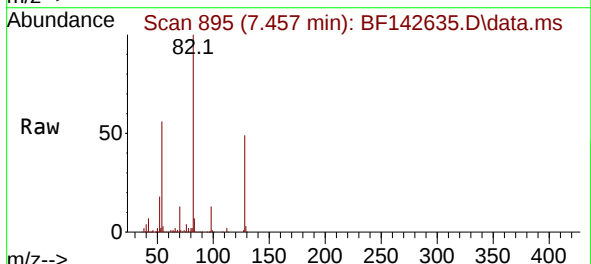
Instrument :
BNA_F
ClientSampleId :



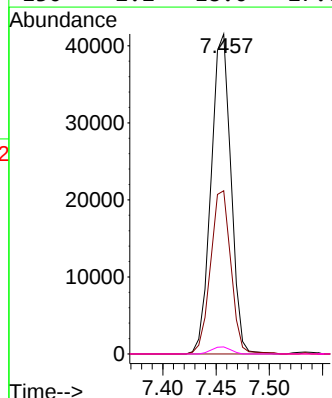
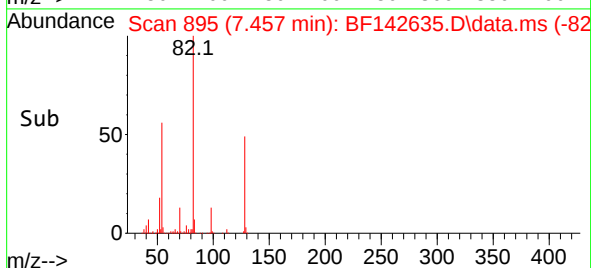
Tgt Ion: 99 Resp: 676388
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.2 27.3 40.9

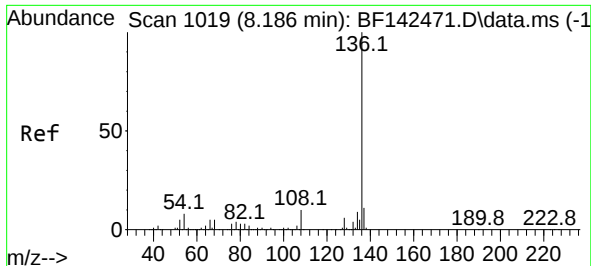


#19
n-Nitroso-di-n-propylamine
Concen: 9.460 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



Tgt Ion: 70 Resp: 53832
Ion Ratio Lower Upper
70 100
42 51.0 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

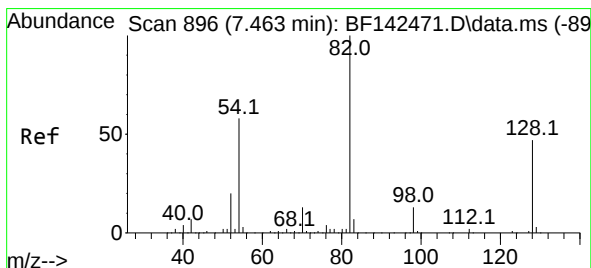
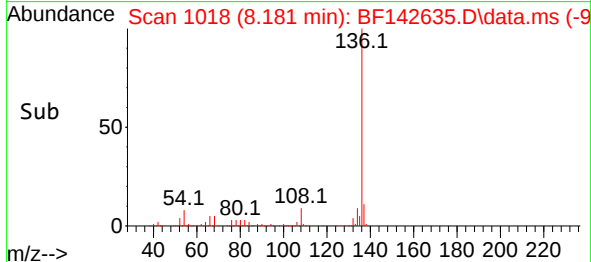
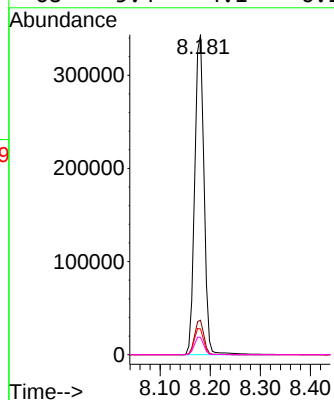
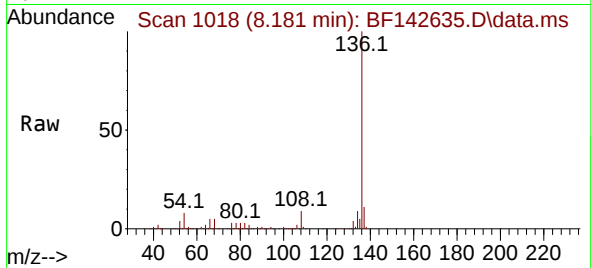




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

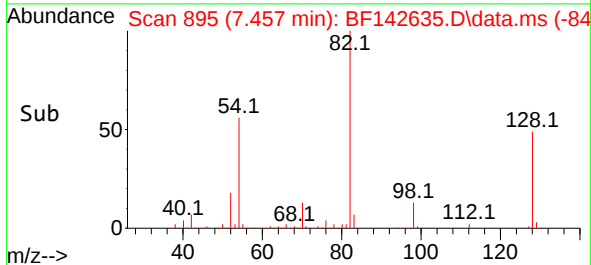
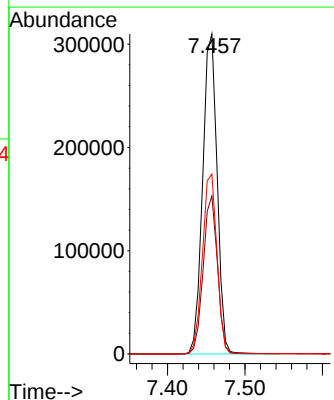
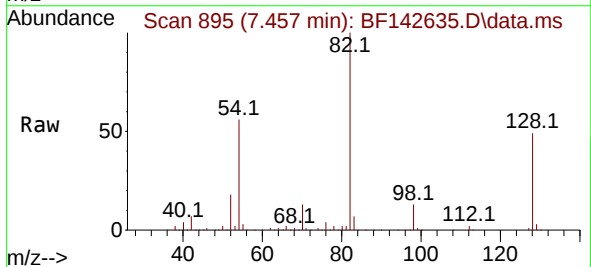
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 441224
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 49.689 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

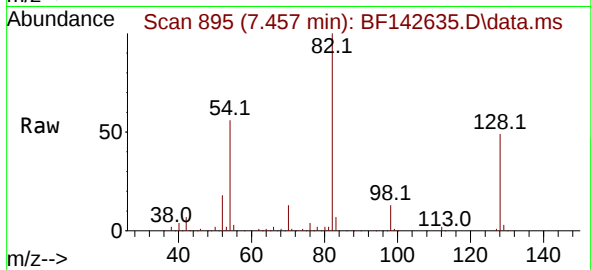
Tgt Ion: 82 Resp: 402061
Ion Ratio Lower Upper
82 100
128 49.3 37.4 56.2
54 56.2 46.6 70.0



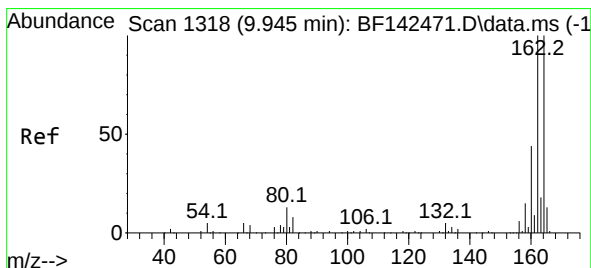
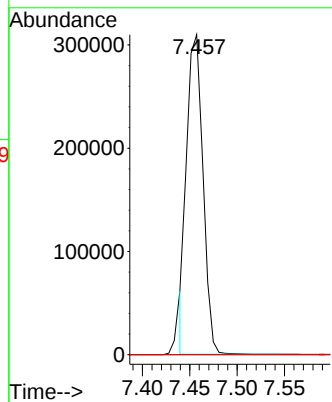
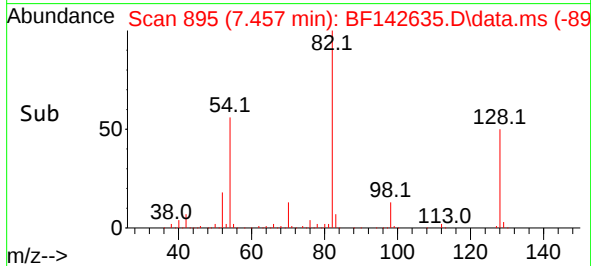


#25
Isophorone
Concen: 27.490 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

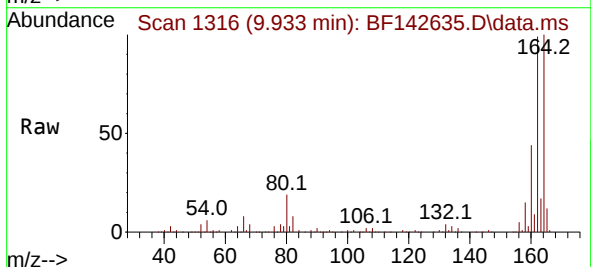
Instrument :
BNA_F
ClientSampleId :



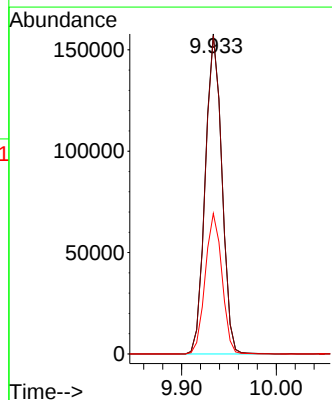
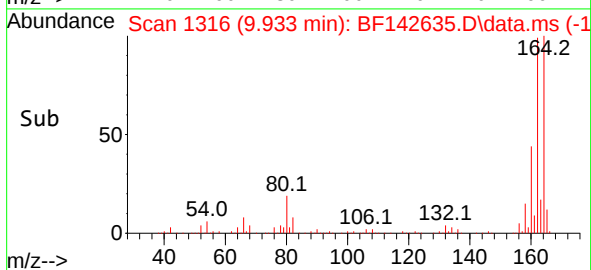
Tgt Ion: 82 Resp: 371904
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

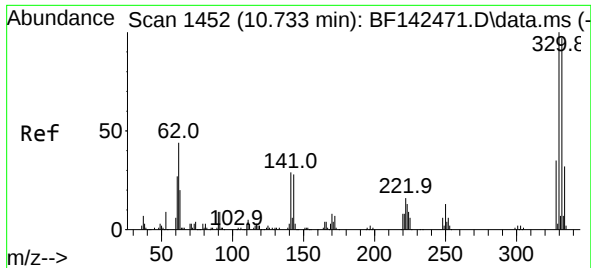


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



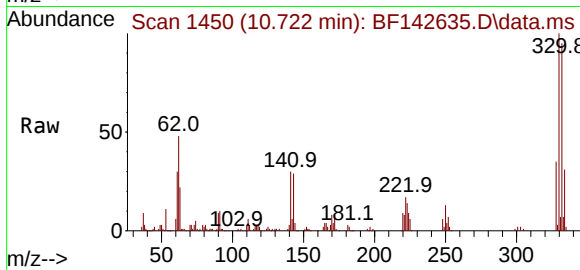
Tgt Ion:164 Resp: 192303
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 43.9 35.6 53.4



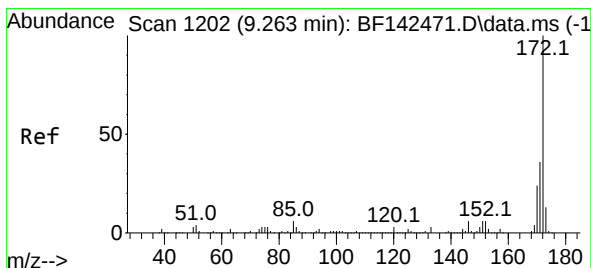
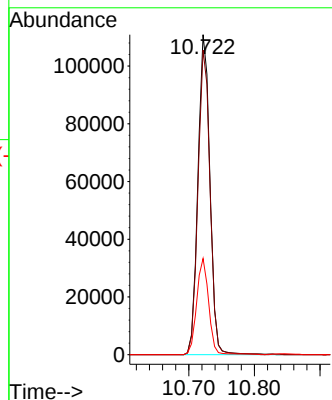
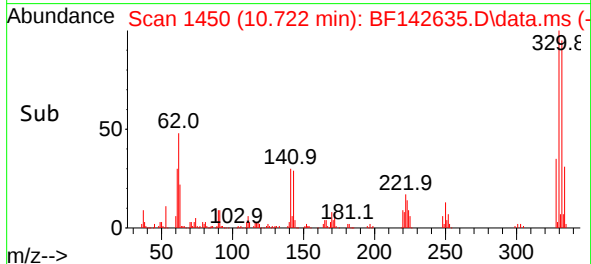


#42
2,4,6-Tribromophenol
Concen: 66.205 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

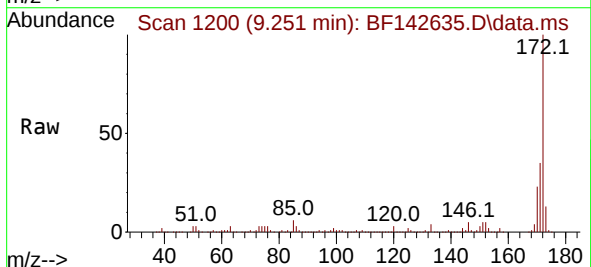
Instrument :
BNA_F
ClientSampleId :



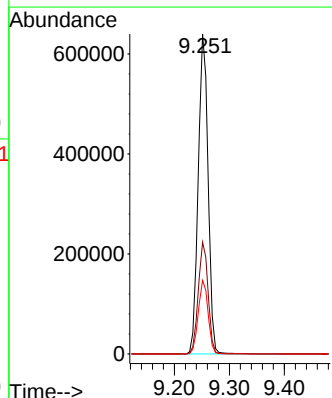
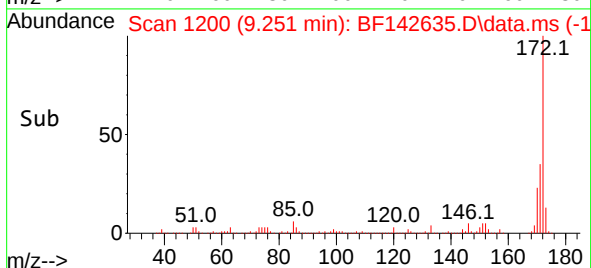
Tgt Ion:330 Resp: 141302
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 30.1 24.6 36.8

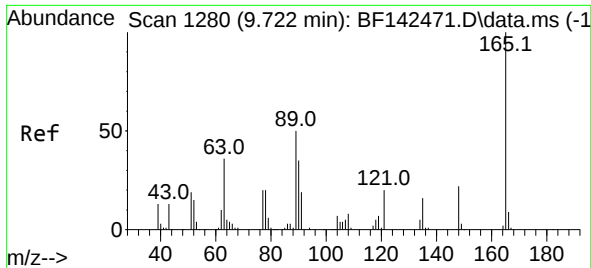


#45
2-Fluorobiphenyl
Concen: 55.682 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



Tgt Ion:172 Resp: 797978
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.0 18.9 28.3

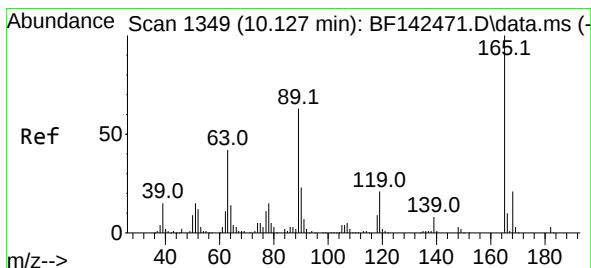
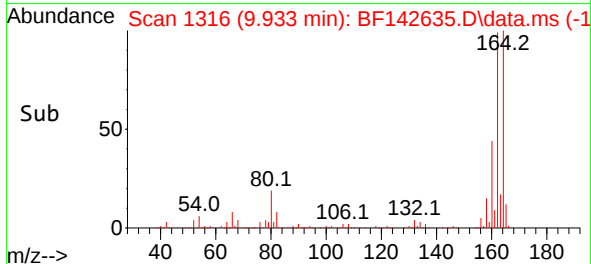
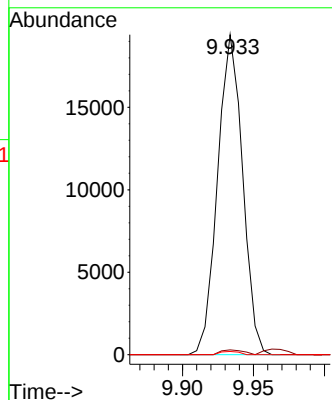
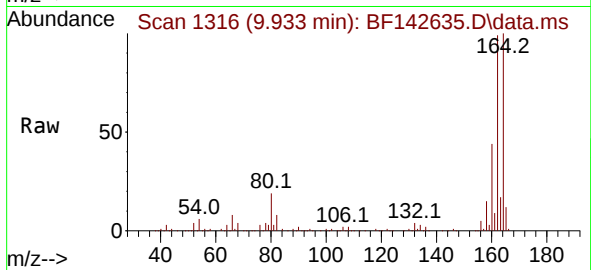




#51
2,6-Dinitrotoluene
Concen: 8.663 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

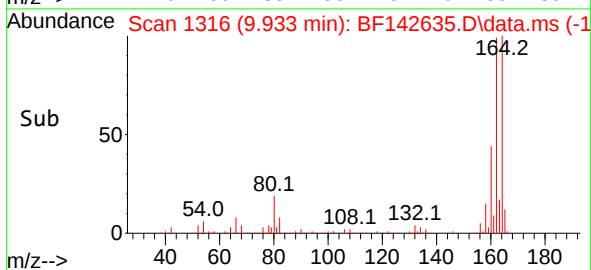
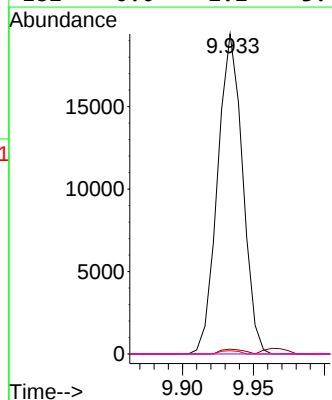
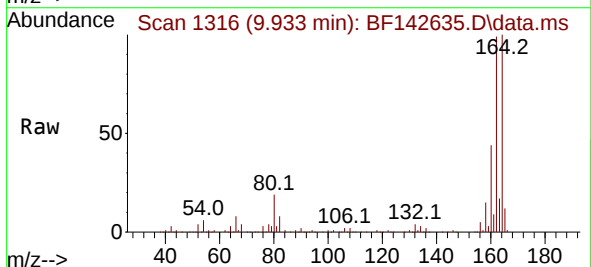
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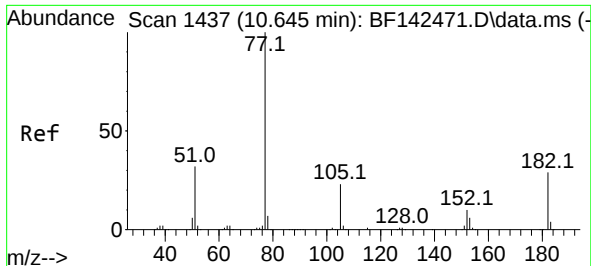
Tgt Ion:165 Resp: 23725
Ion Ratio Lower Upper
165 100
63 1.5 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.633 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

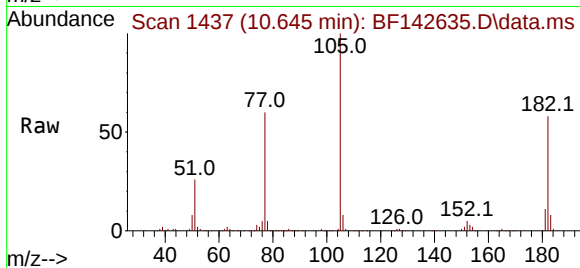
Tgt Ion:165 Resp: 23725
Ion Ratio Lower Upper
165 100
63 1.5 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#



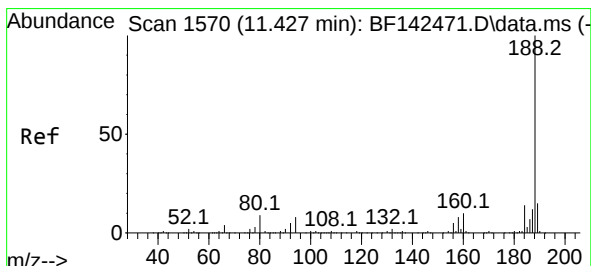
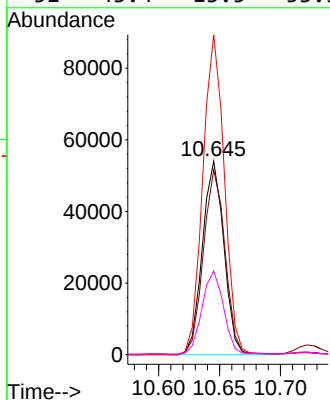
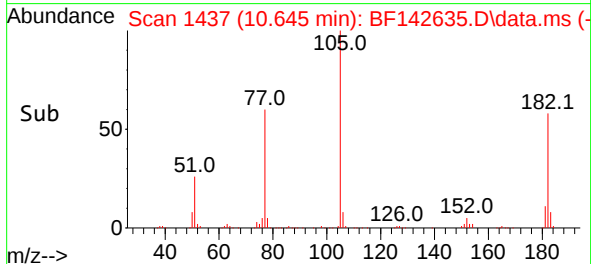


#63
Azobenzene
Concen: 5.969 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

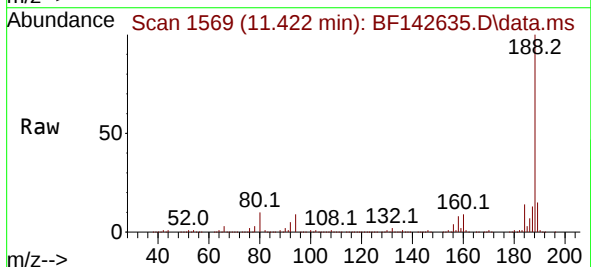
Instrument :
BNA_F
ClientSampleId :



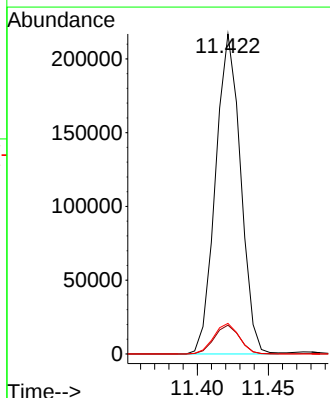
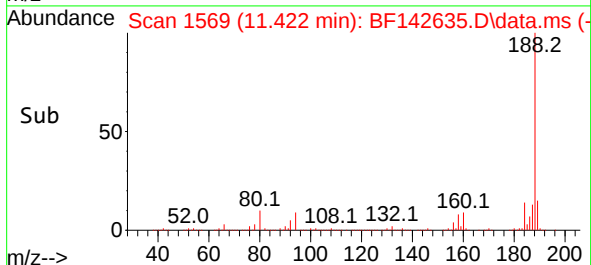
Tgt Ion: 77 Resp: 66442
Ion Ratio Lower Upper
77 100
182 95.5 9.0 49.0#
105 165.4 2.4 42.4#
51 43.4 13.5 53.5

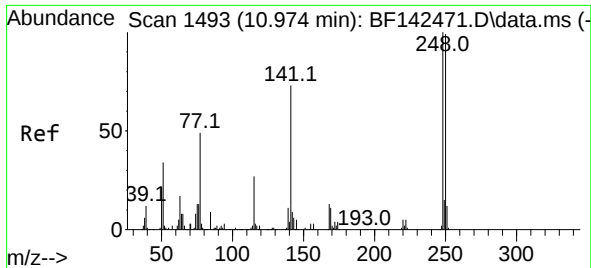


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



Tgt Ion:188 Resp: 266025
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.6 7.4 11.0

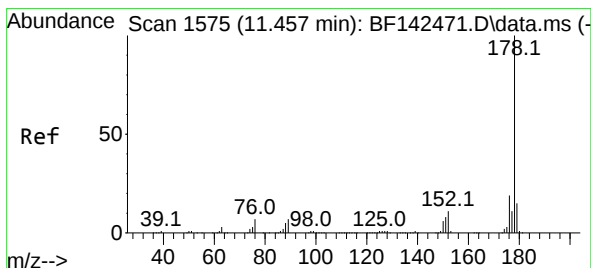
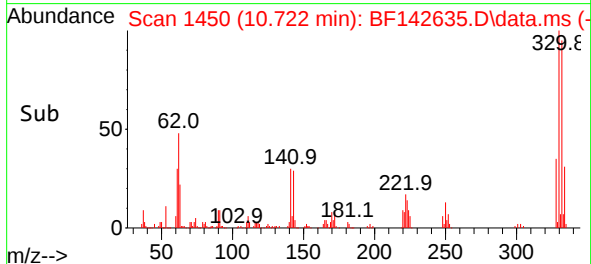
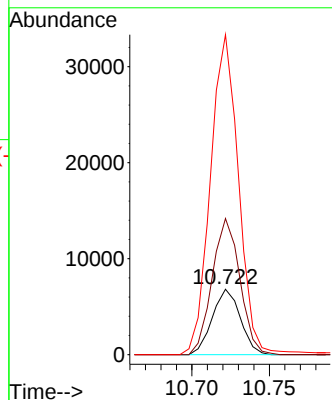
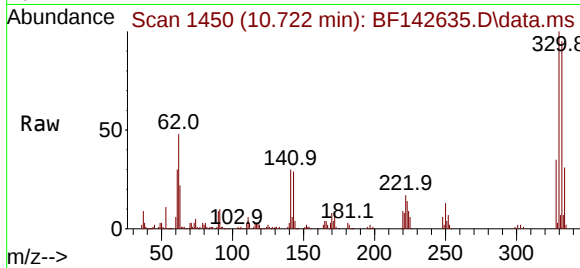




#67
4-Bromophenyl-phenylether
Concen: 2.726 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

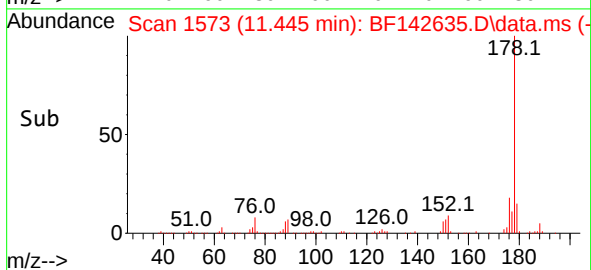
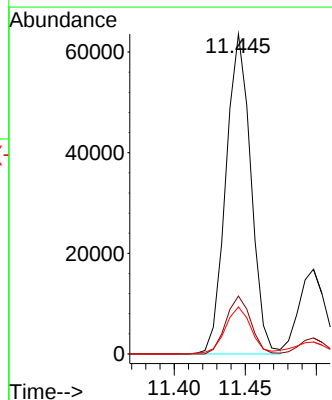
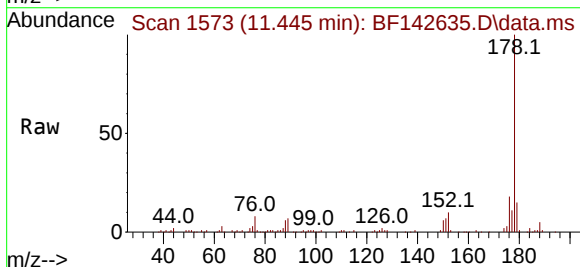
Instrument :
BNA_F
ClientSampleId :

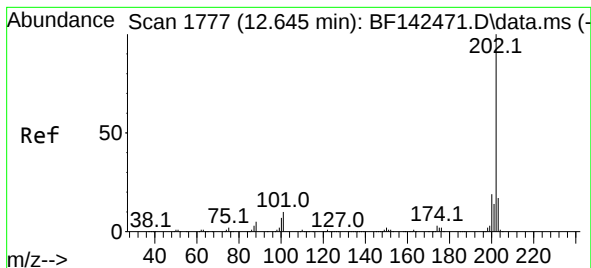
Tgt Ion:248 Resp: 8575
Ion Ratio Lower Upper
248 100
250 208.1 79.0 118.4#
141 489.2 58.4 87.6#



#71
Phenanthrene
Concen: 5.465 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Tgt Ion:178 Resp: 77696
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 14.7 12.3 18.5





#75

Fluoranthene

Concen: 11.791 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

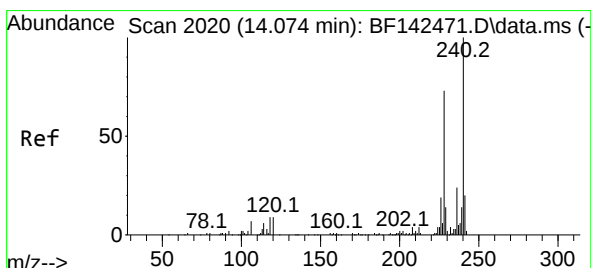
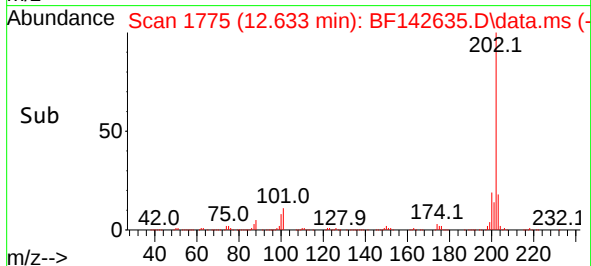
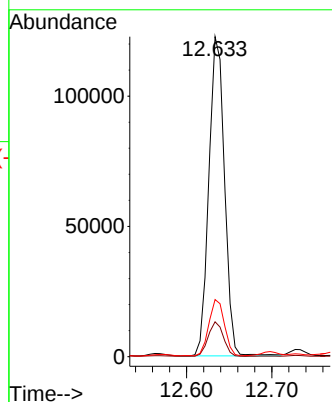
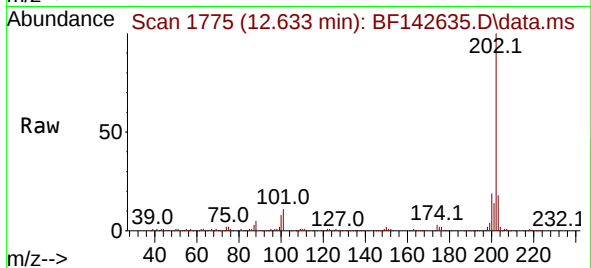
Tgt Ion:202 Resp: 156640

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.6

203 17.9 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: BF142635.D

Acq: 05 Jun 2025 15:36

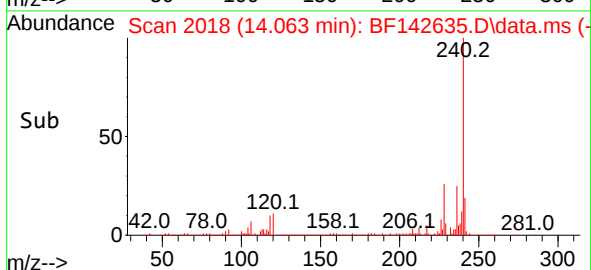
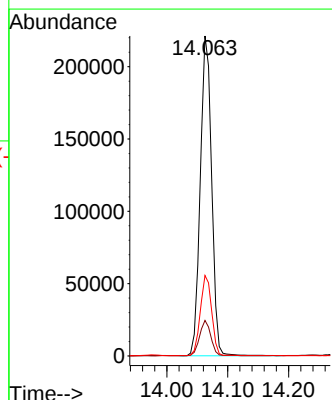
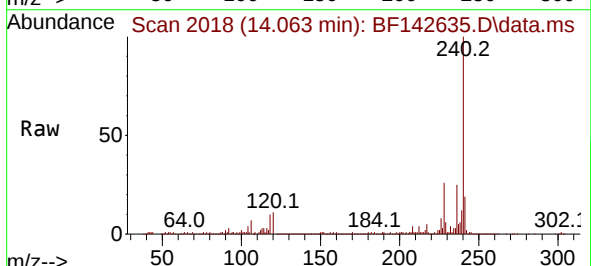
Tgt Ion:240 Resp: 286264

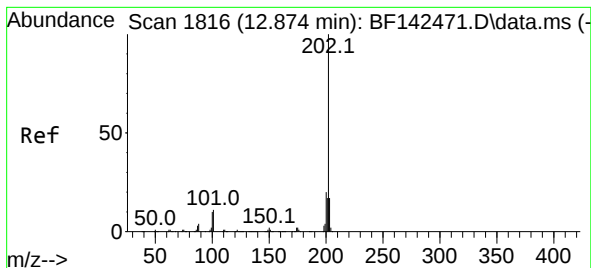
Ion Ratio Lower Upper

240 100

120 11.1 7.5 11.3

236 25.2 19.6 29.4





#78

Pyrene

Concen: 5.462 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

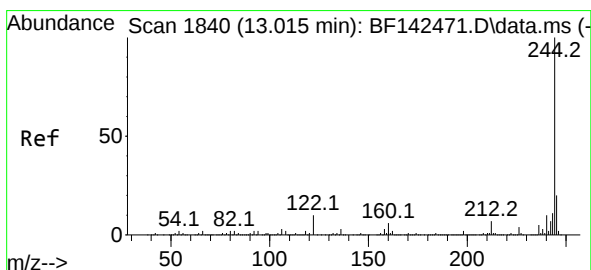
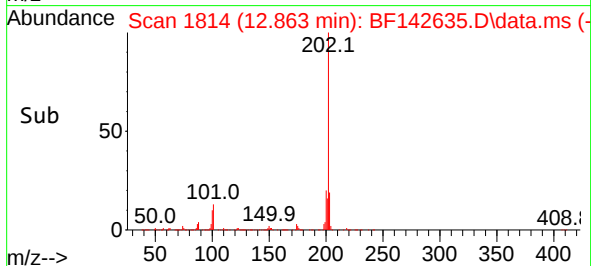
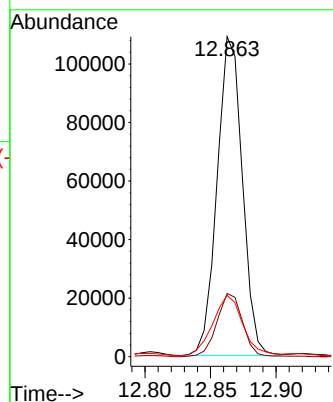
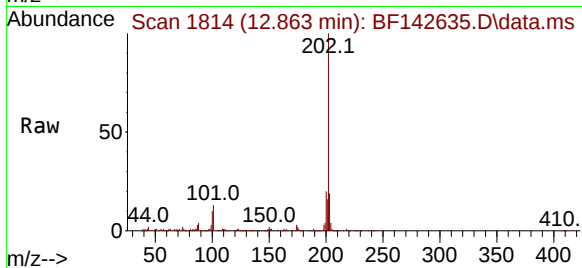
Tgt Ion:202 Resp: 145847

Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 19.2 13.9 20.9



#79

Terphenyl-d14

Concen: 32.590 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

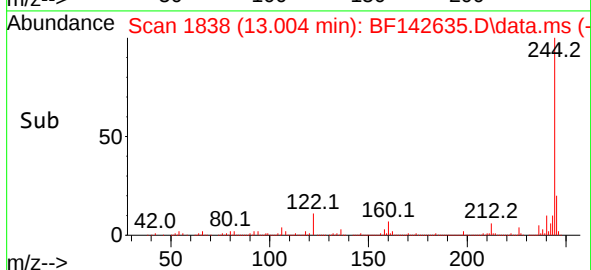
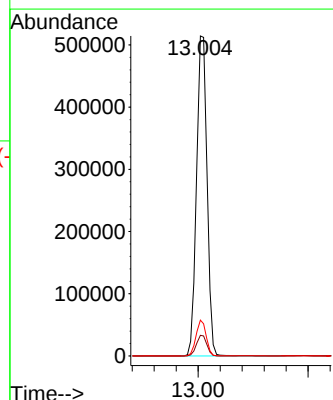
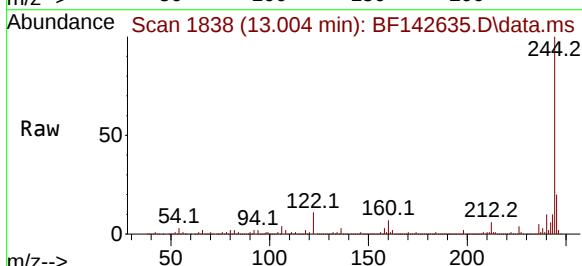
Tgt Ion:244 Resp: 682686

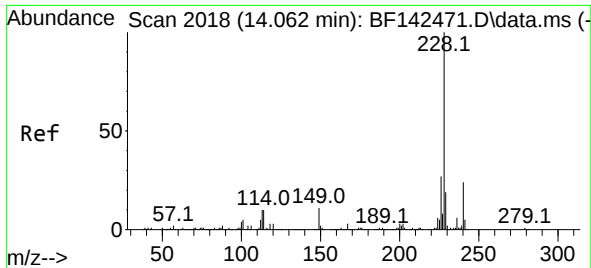
Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 11.2 8.2 12.2

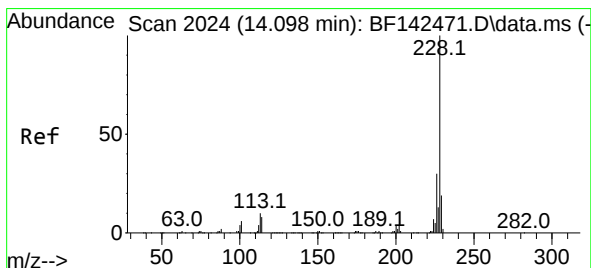
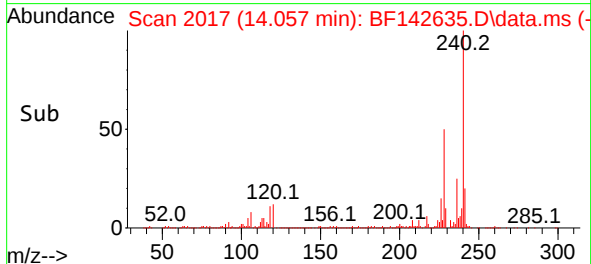
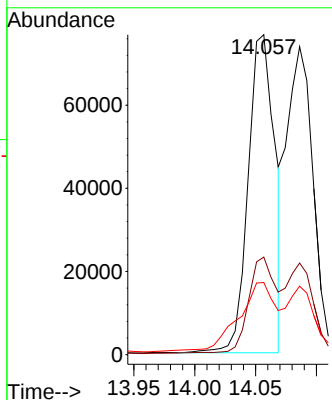
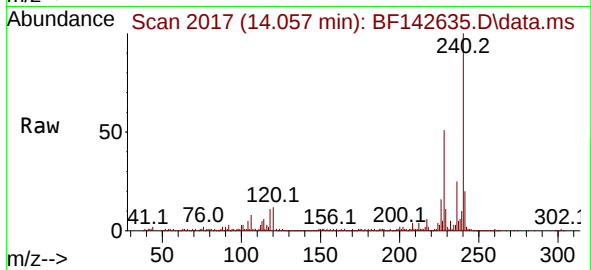




#81
Benzo(a)anthracene
Concen: 6.097 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

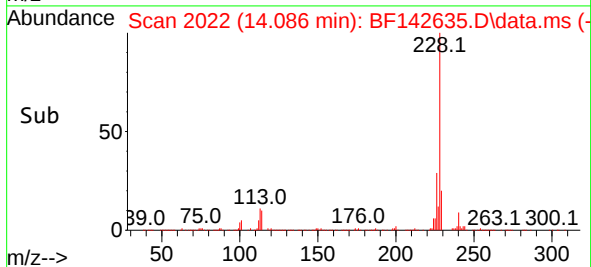
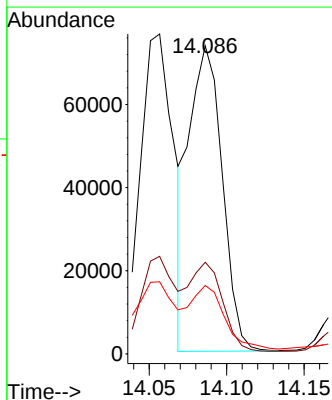
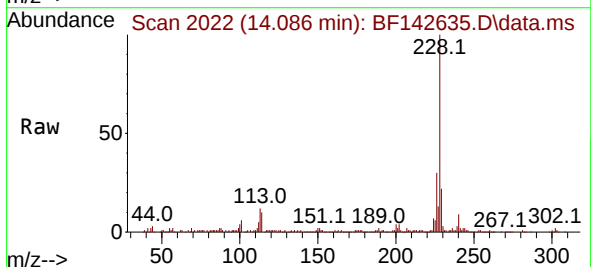
Instrument :
BNA_F
ClientSampleId :

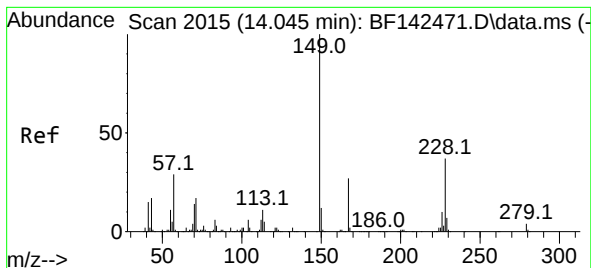
Tgt Ion:228 Resp: 116555
Ion Ratio Lower Upper
228 100
226 30.5 21.2 31.8
229 22.5 15.5 23.3



#83
Chrysene
Concen: 6.383 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

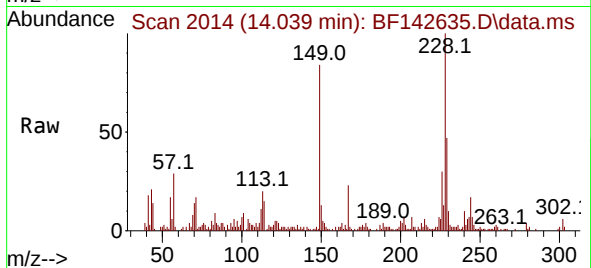
Tgt Ion:228 Resp: 109645
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.2 15.4 23.2



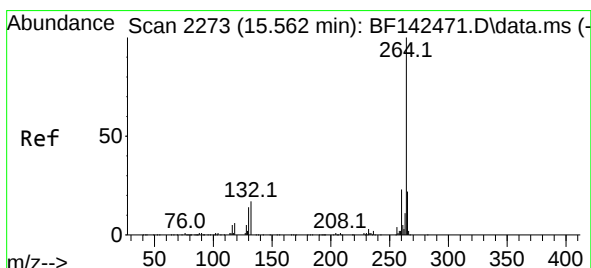
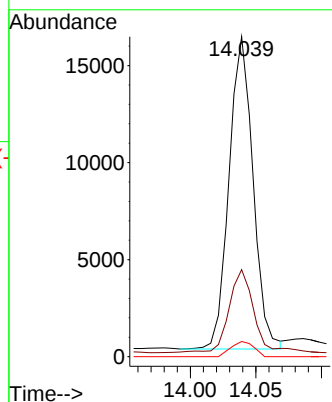
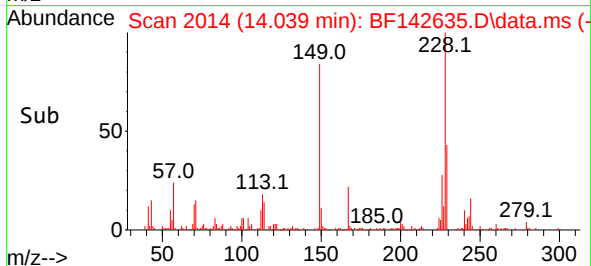


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.166 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: BF142635.D
 Acq: 05 Jun 2025 15:36

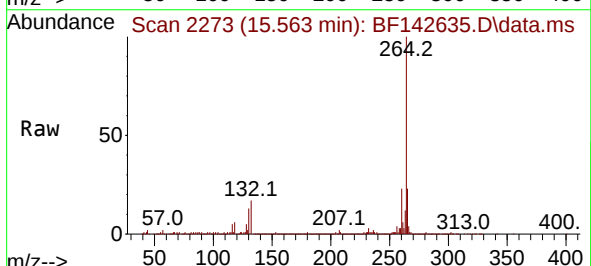
Instrument :
 BNA_F
 ClientSampleId :



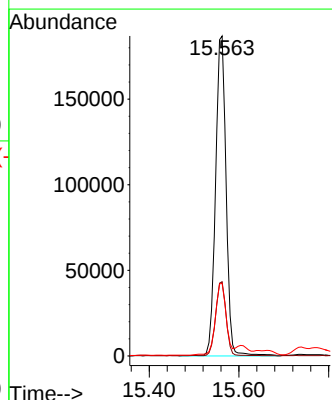
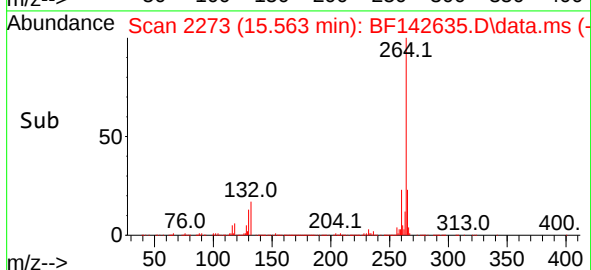
Tgt Ion:149 Resp: 20458
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.5 32.3
 279 4.8 3.2 4.8

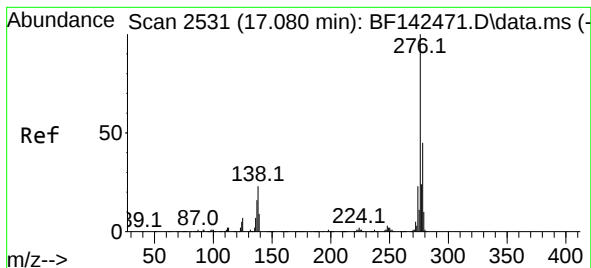


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142635.D
 Acq: 05 Jun 2025 15:36



Tgt Ion:264 Resp: 305176
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 22.7 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.598 ng

RT: 17.062 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

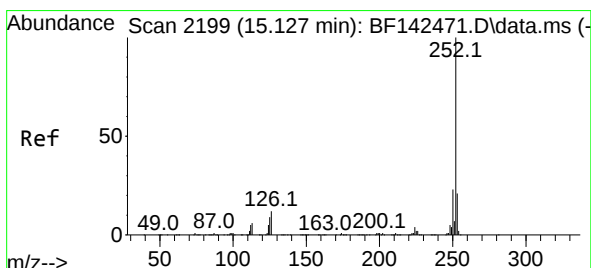
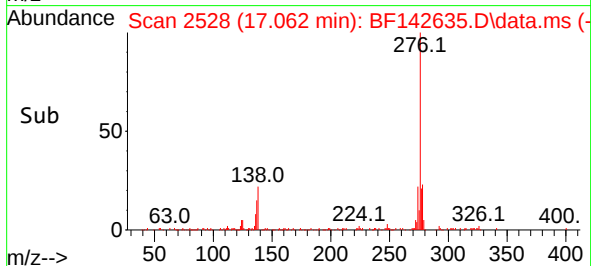
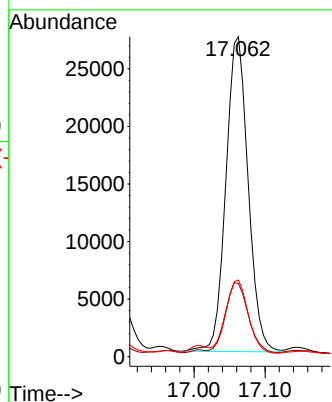
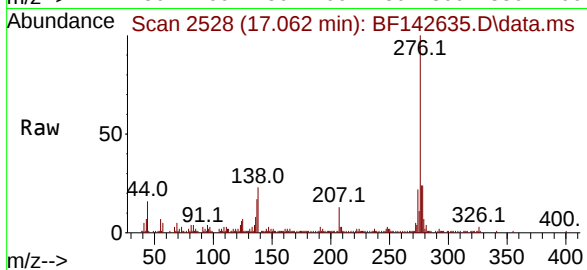
Tgt Ion:276 Resp: 59532

Ion Ratio Lower Upper

276 100

138 23.4 19.9 29.9

277 23.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 20.415 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

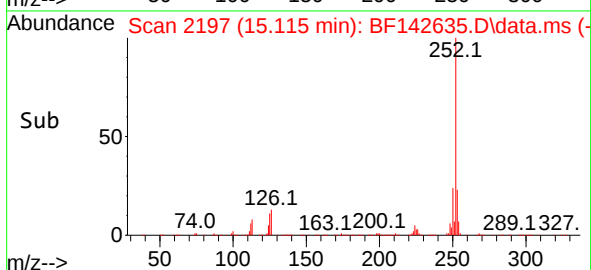
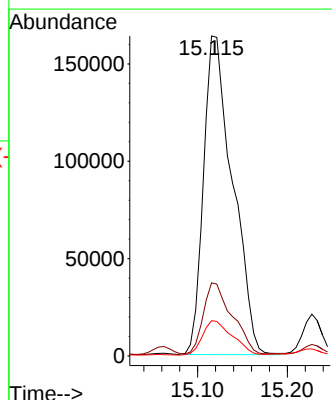
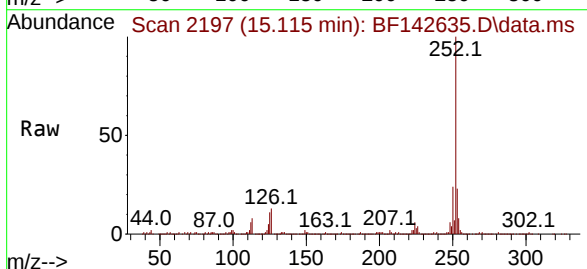
Tgt Ion:252 Resp: 368735

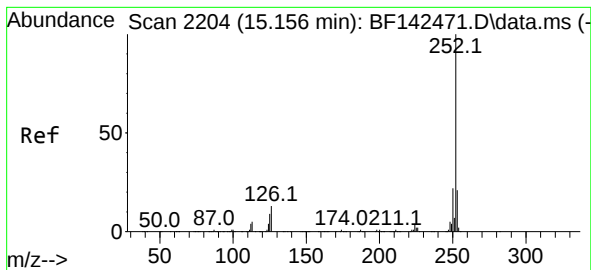
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 21.797 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

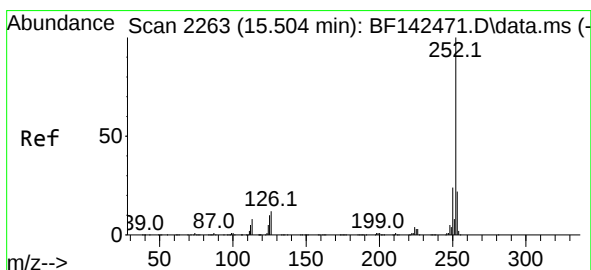
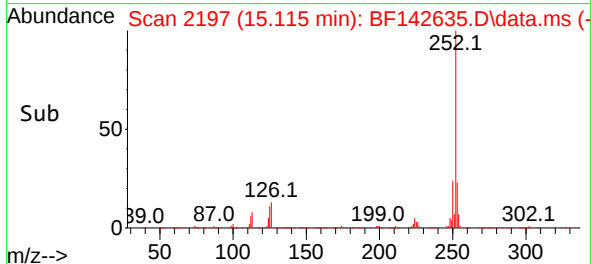
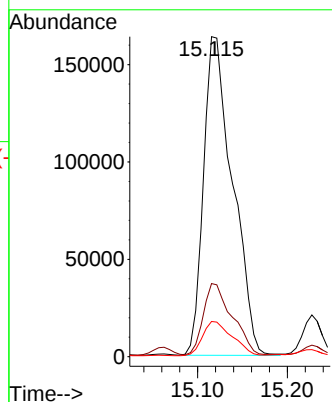
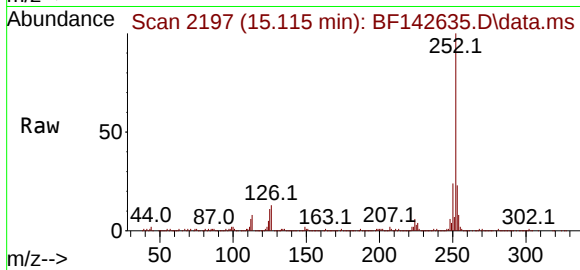
Tgt Ion:252 Resp: 368735

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.0 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 7.994 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.018 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

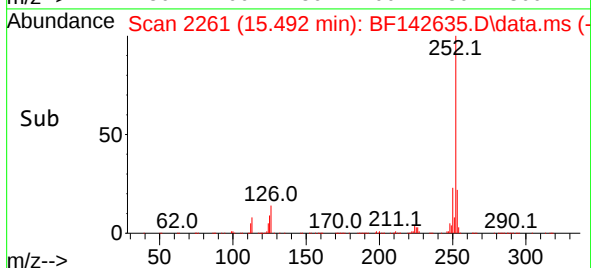
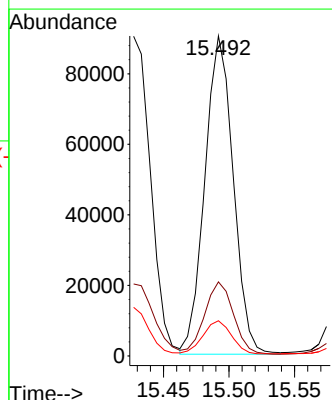
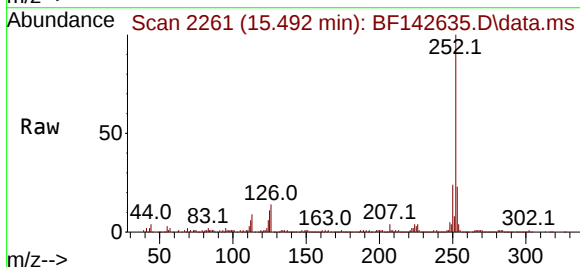
Tgt Ion:252 Resp: 136094

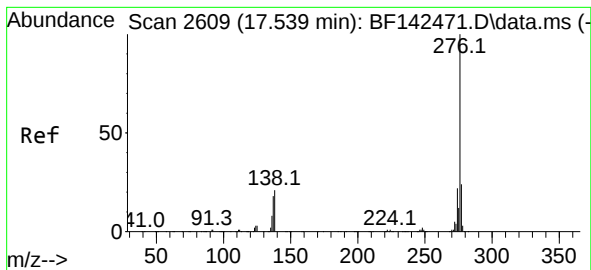
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.0 7.9 11.9





#92

Benzo(g,h,i)perylene

Concen: 2.783 ng

RT: 17.515 min Scan# 20

Delta R.T. -0.041 min

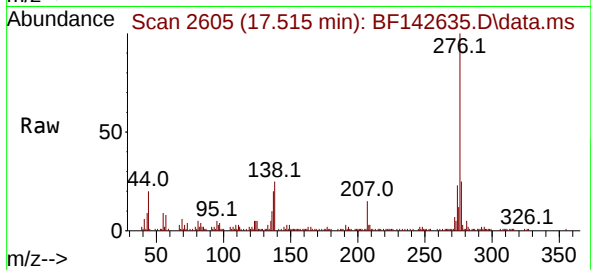
Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 51733

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 25.0 16.8 25.2

