

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142454.D
 Acq On : 19 May 2025 16:31
 Operator : RC/JU
 Sample : Q2047-01 2XRE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 16:57:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

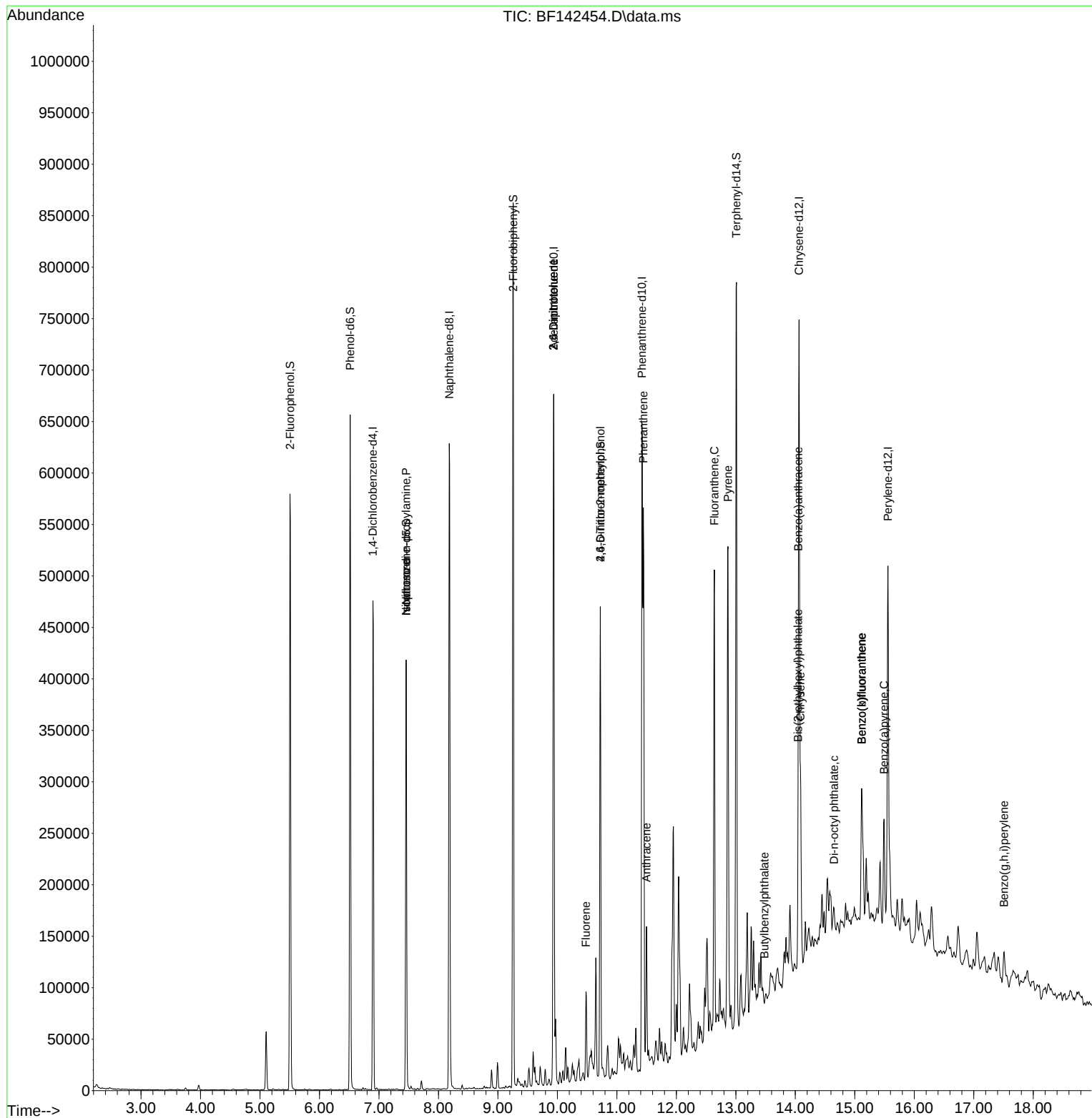
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	104596	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	406882	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	209970	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	332115	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	244573	20.000	ng	0.00
86) Perylene-d12	15.557	264	202307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	222160	36.258	ng	0.00
7) Phenol-d6	6.516	99	282643	37.506	ng	0.00
23) Nitrobenzene-d5	7.457	82	165036	24.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	74360	36.681	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	385371	26.170	ng	0.00
79) Terphenyl-d14	13.010	244	362752	21.953	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	21315	4.573	ng	# 79
25) Isophorone	7.457	82	163413	12.935	ng	# 62
51) 2,6-Dinitrotoluene	9.934	165	28194	11.172	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	28194	8.709	ng	# 25
58) Fluorene	10.481	166	34021	2.508	ng	99
65) 4,6-Dinitro-2-methylph...	10.722	198	126	7.254	ng	# 1
71) Phenanthrene	11.445	178	282542	16.230	ng	99
72) Anthracene	11.498	178	75680	4.231	ng	99
75) Fluoranthene	12.639	202	258564	14.858	ng	98
78) Pyrene	12.869	202	282906	12.996	ng	99
80) Butylbenzylphthalate	13.480	149	313	3.705	ng	# 41
81) Benzo(a)anthracene	14.051	228	111681	7.051	ng	98
83) Chrysene	14.086	228	101083	6.855	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	2160	4.475	ng	# 83
85) Di-n-octyl phthalate	14.651	149	486	7.867	ng	# 62
88) Benzo(b)fluoranthene	15.116	252	115448	9.422	ng	97
89) Benzo(k)fluoranthene	15.116	252	115448	10.296	ng	96
90) Benzo(a)pyrene	15.492	252	68527	6.241	ng	99
92) Benzo(g,h,i)perylene	17.509	276	27205	2.358	ng	99

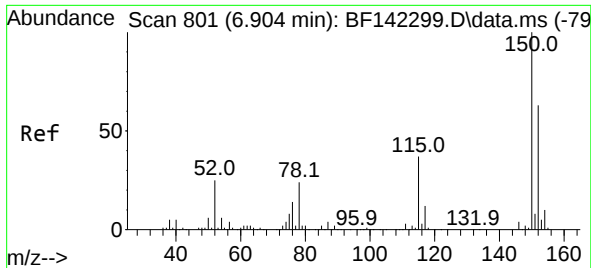
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142454.D
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Instrument :
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ClientSampleId :

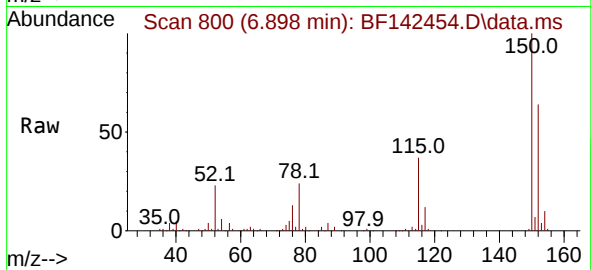
Quant Time: May 19 16:57:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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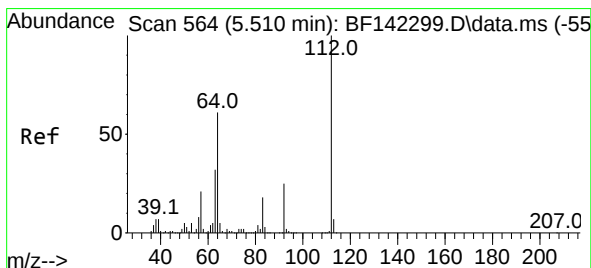
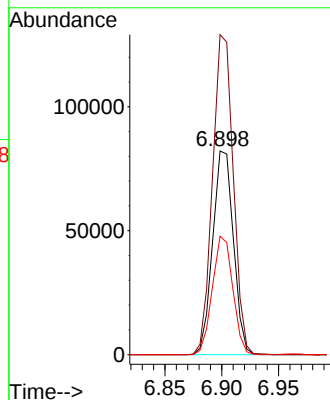
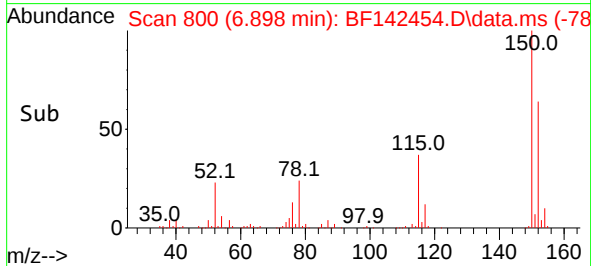


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

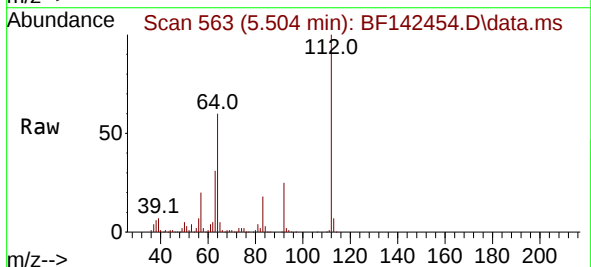
Instrument :
BNA_F
ClientSampleId :



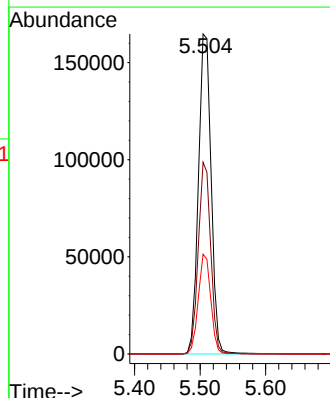
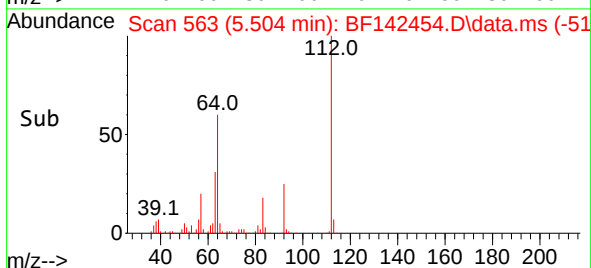
Tgt Ion:152 Resp: 104596
Ion Ratio Lower Upper
152 100
150 157.1 126.6 190.0
115 58.1 47.3 70.9

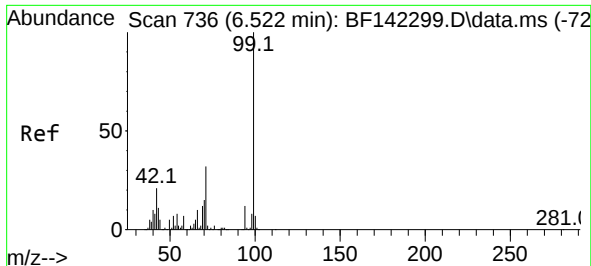


#5
2-Fluorophenol
Concen: 36.258 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31



Tgt Ion:112 Resp: 222160
Ion Ratio Lower Upper
112 100
64 59.9 48.9 73.3
63 31.1 25.6 38.4

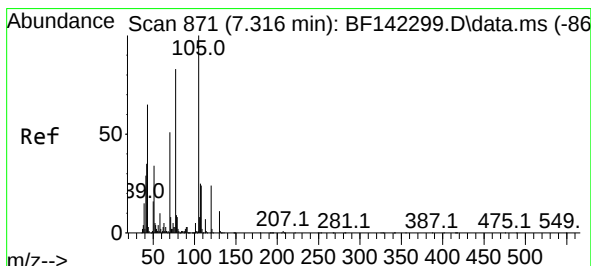
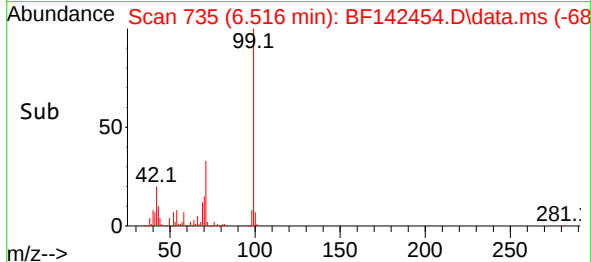
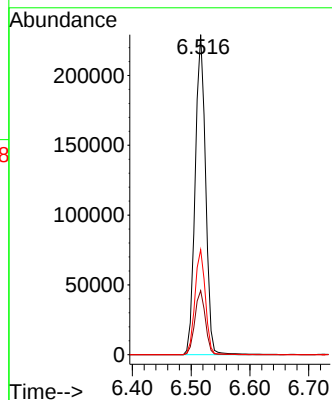
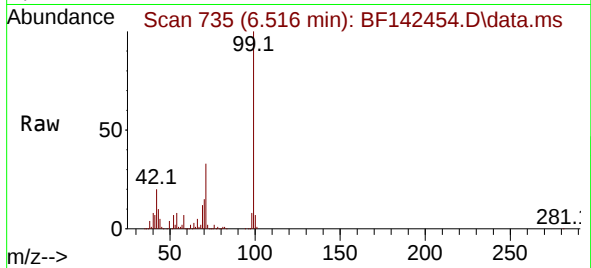




#7
Phenol-d6
Concen: 37.506 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

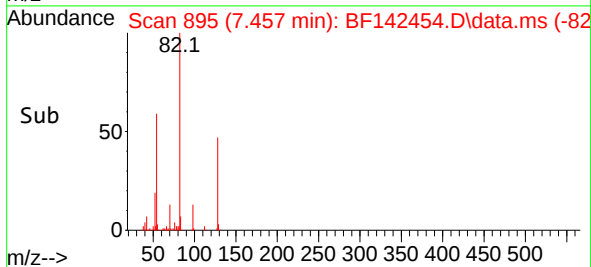
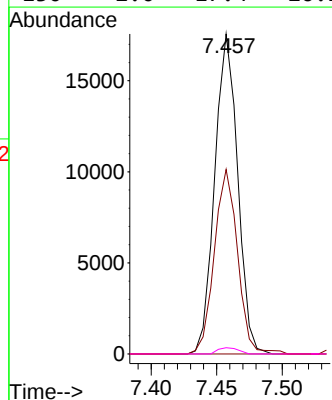
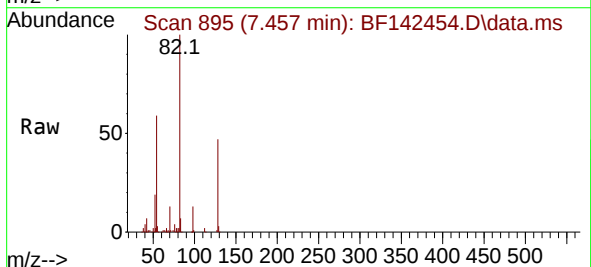
Instrument :
BNA_F
ClientSampleId :

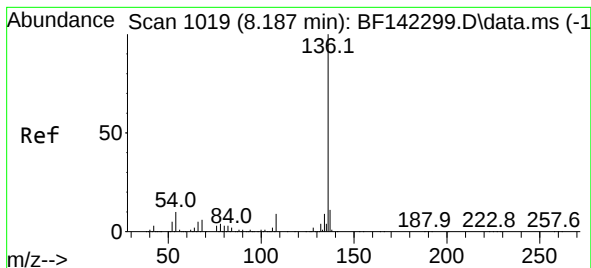
Tgt Ion: 99 Resp: 282643
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.8 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.573 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion: 70 Resp: 21315
Ion Ratio Lower Upper
70 100
42 57.7 54.8 82.2
101 0.0 7.7 11.5#
130 2.0 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 406882

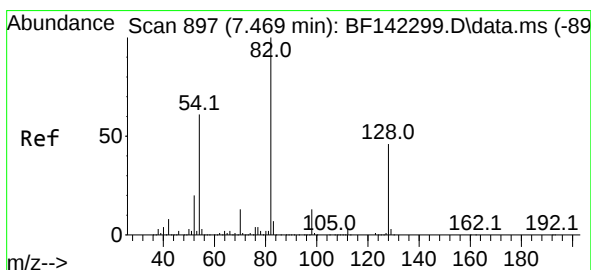
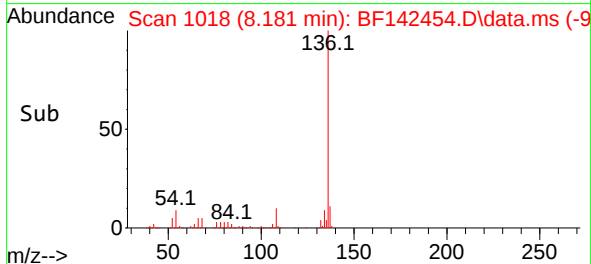
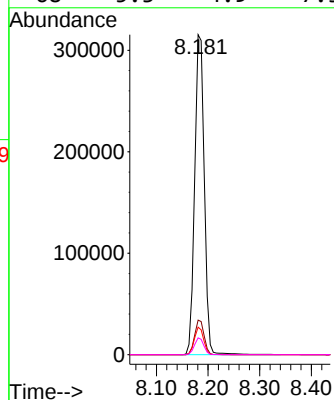
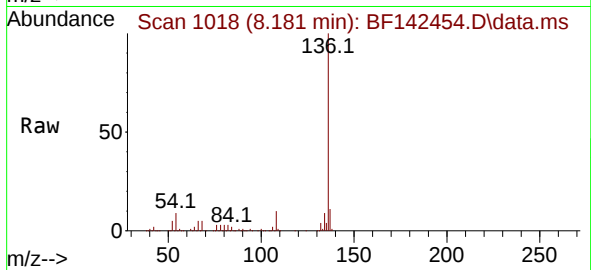
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.6 7.7 11.5

68 5.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 24.737 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

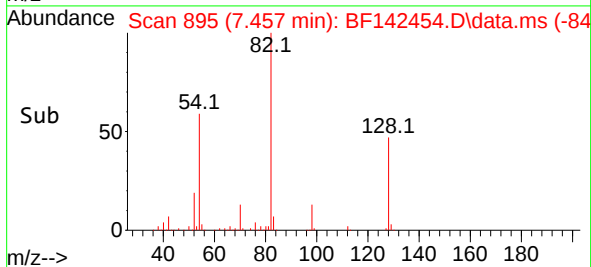
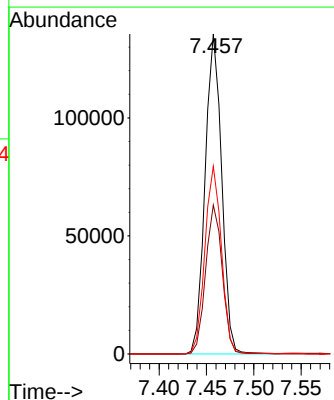
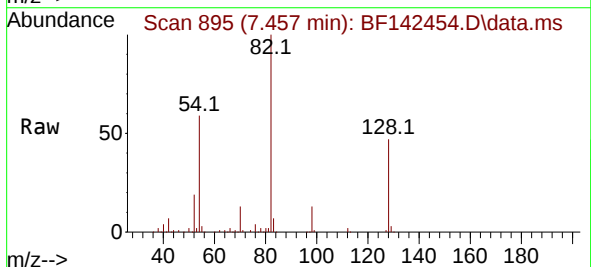
Tgt Ion: 82 Resp: 165036

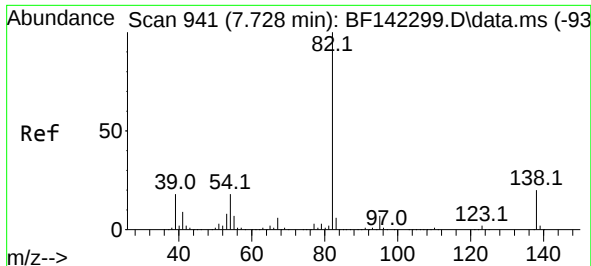
Ion Ratio Lower Upper

82 100

128 46.6 37.0 55.6

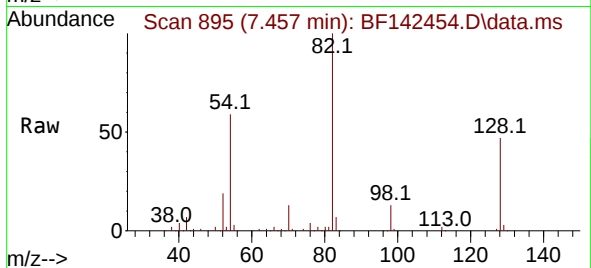
54 58.7 48.6 73.0



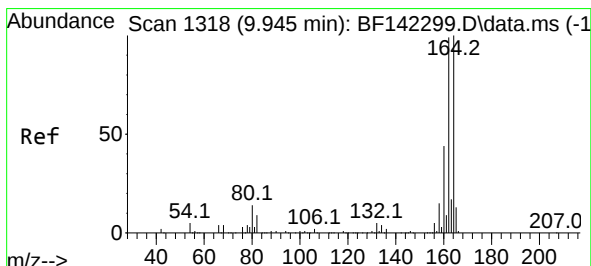
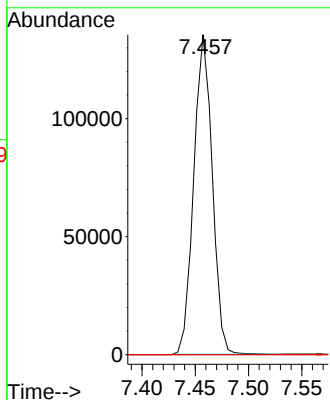
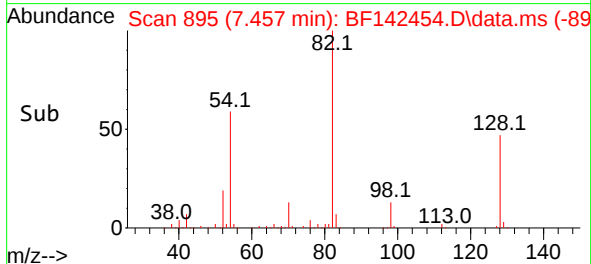


#25
Isophorone
Concen: 12.935 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

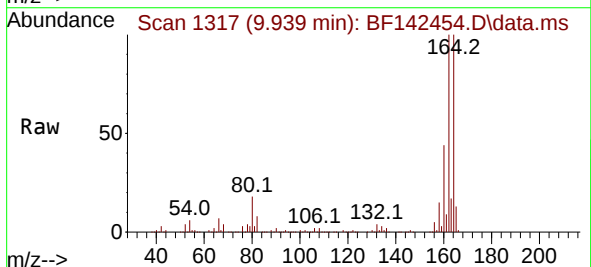
Instrument :
BNA_F
ClientSampleId :



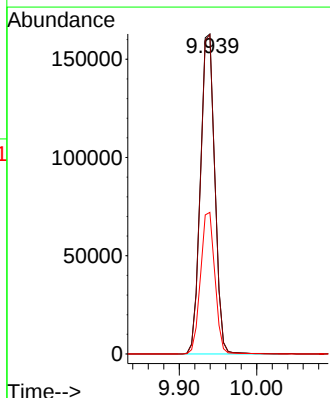
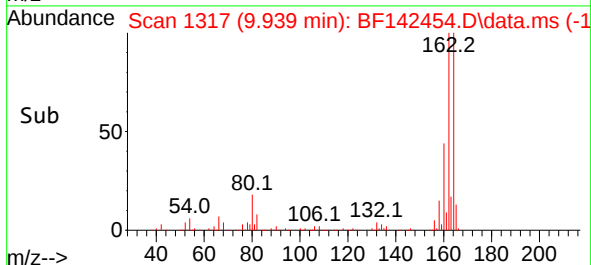
Tgt Ion: 82 Resp: 163413
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#

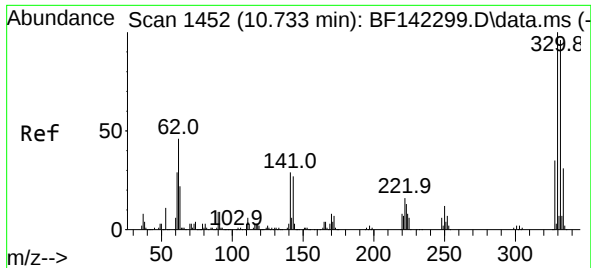


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31



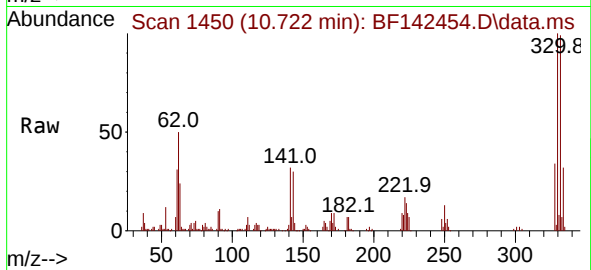
Tgt Ion:164 Resp: 209970
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.2 35.3 52.9



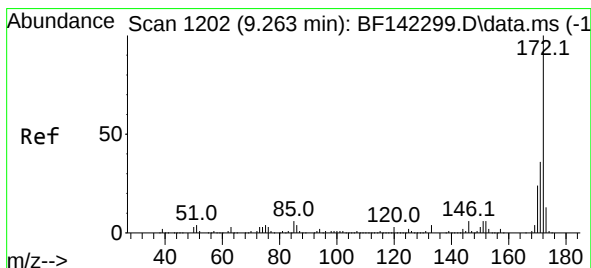
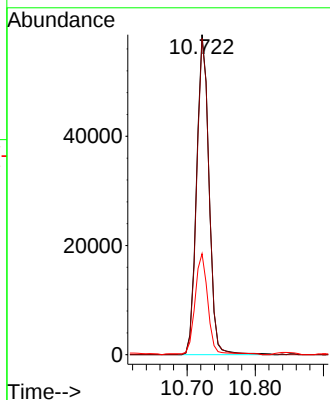
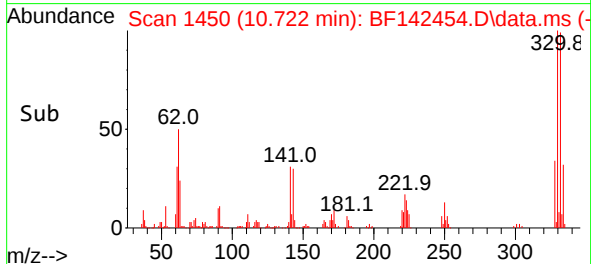


#42
2,4,6-Tribromophenol
Concen: 36.681 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :

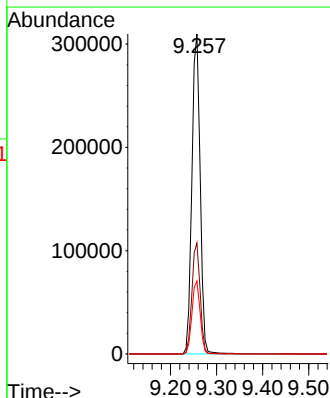
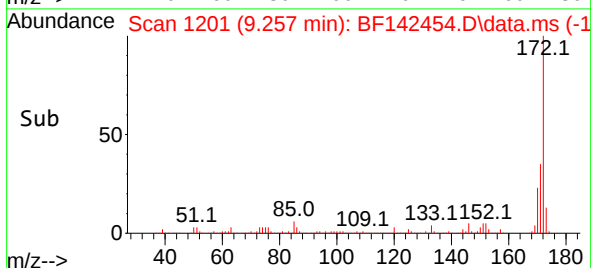
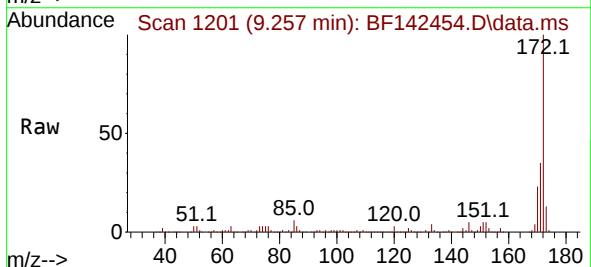


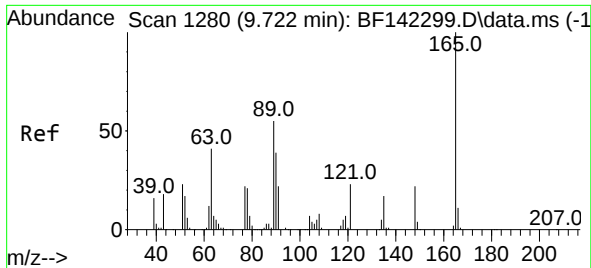
Tgt Ion:330 Resp: 74360
Ion Ratio Lower Upper
330 100
332 98.4 76.8 115.2
141 33.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 26.170 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

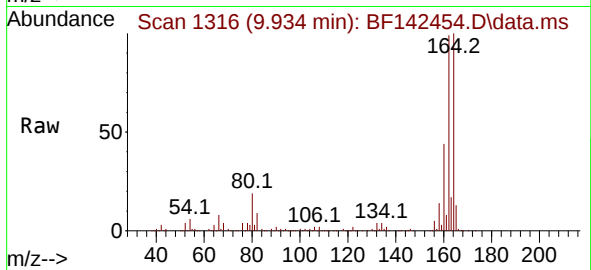
Tgt Ion:172 Resp: 385371
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.8 19.0 28.4



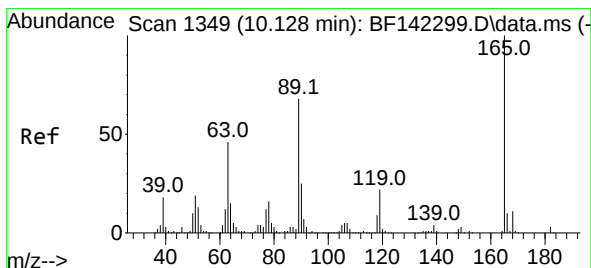
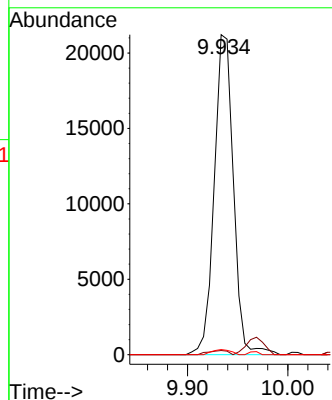
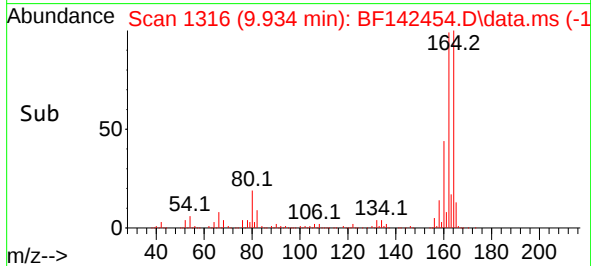


#51
2,6-Dinitrotoluene
Concen: 11.172 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

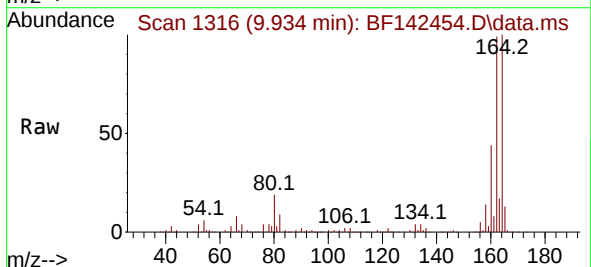
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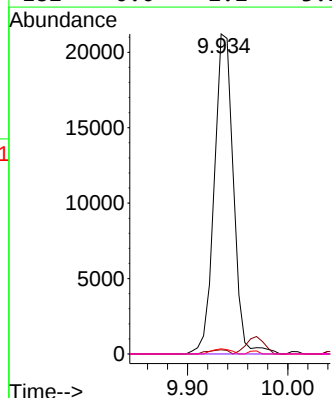
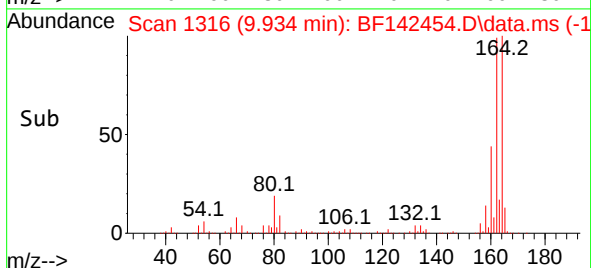
Tgt Ion:165 Resp: 28194
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.6 44.6 66.8#

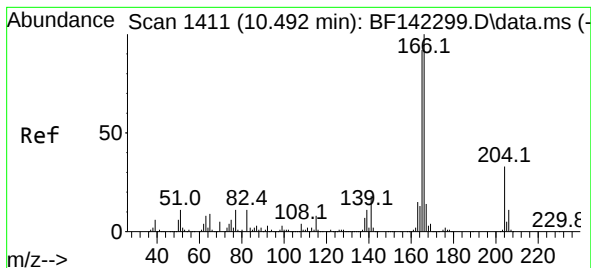


#57
2,4-Dinitrotoluene
Concen: 8.709 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31



Tgt Ion:165 Resp: 28194
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 1.6 54.4 81.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.508 ng

RT: 10.481 min Scan# 1411

Delta R.T. -0.012 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

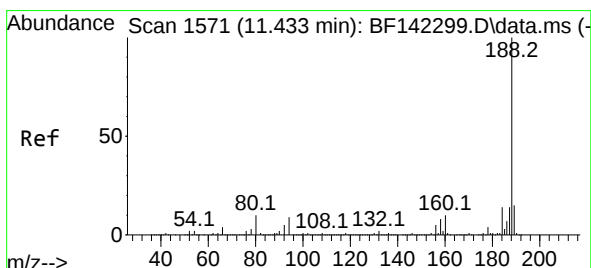
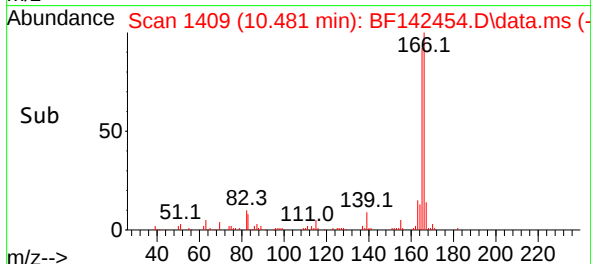
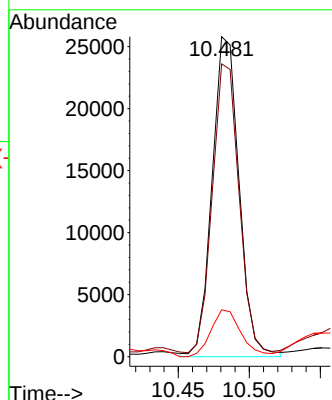
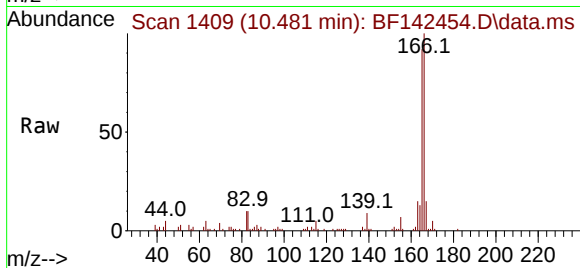
Tgt Ion:166 Resp: 34021

Ion Ratio Lower Upper

166 100

165 91.5 74.0 111.0

167 14.7 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

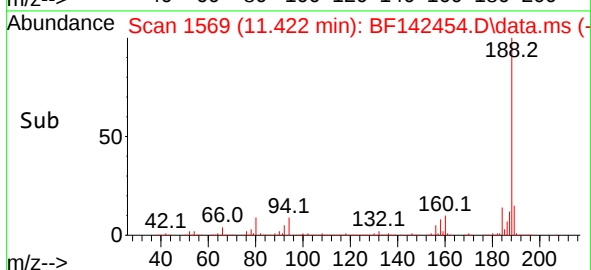
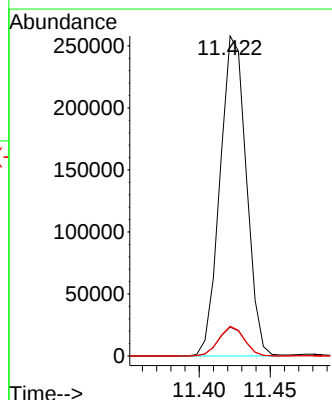
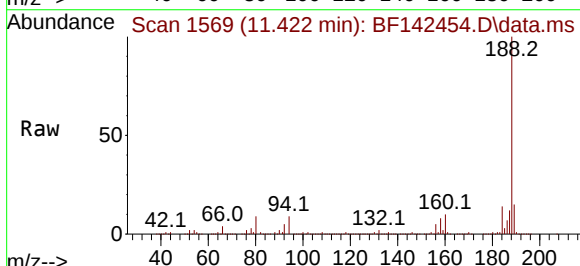
Tgt Ion:188 Resp: 332115

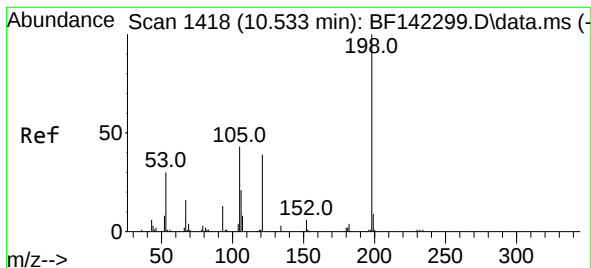
Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

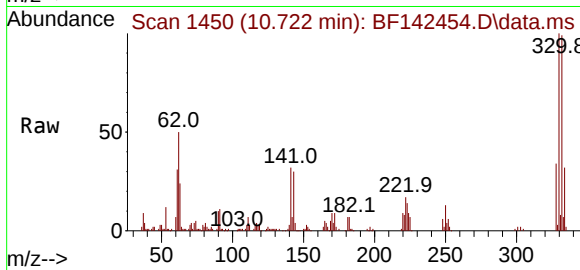
80 9.3 7.9 11.9



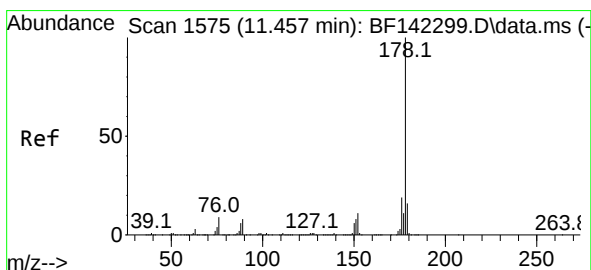
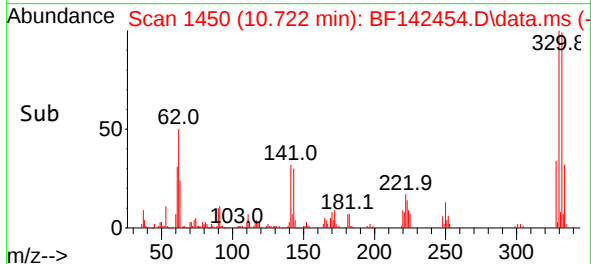
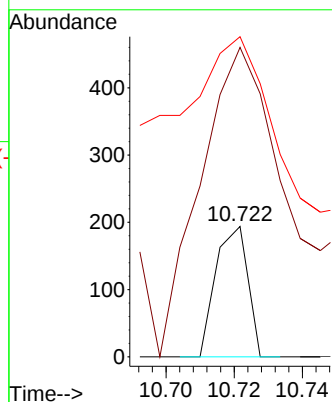


#65
4,6-Dinitro-2-methylphenol
Concen: 7.254 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :

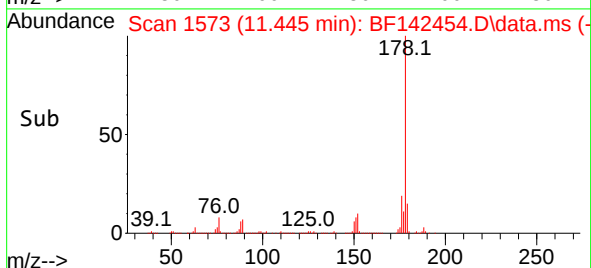
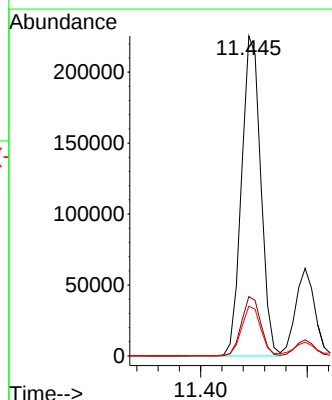
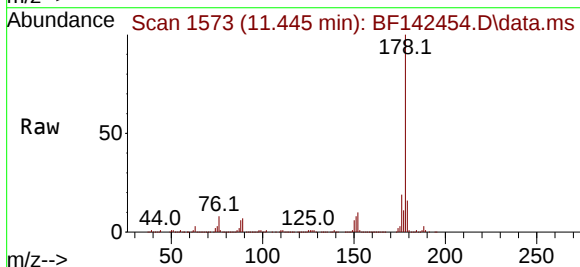


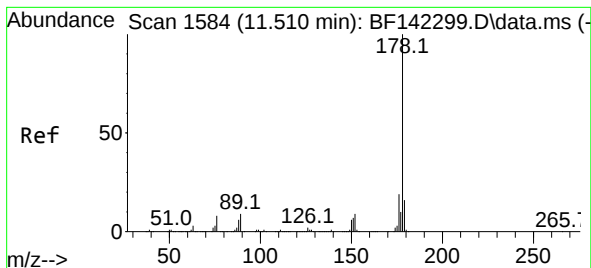
Tgt Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 237.1 32.9 72.9#
105 245.4 23.7 63.7#



#71
Phenanthrene
Concen: 16.230 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:178 Resp: 282542
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.5 12.6 18.8





#72

Anthracene

Concen: 4.231 ng

RT: 11.498 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142454.D

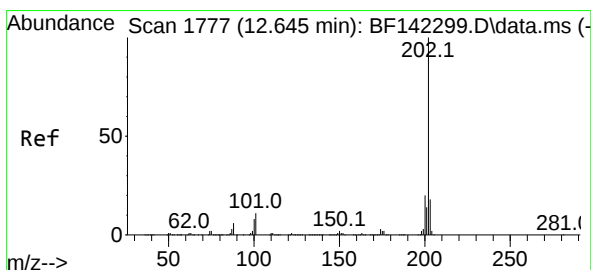
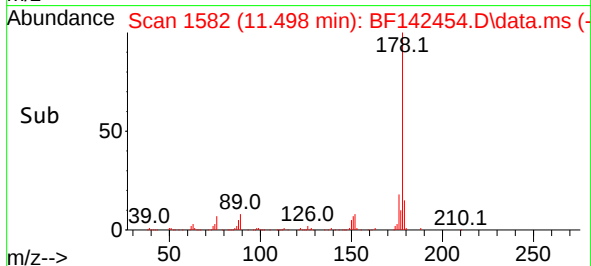
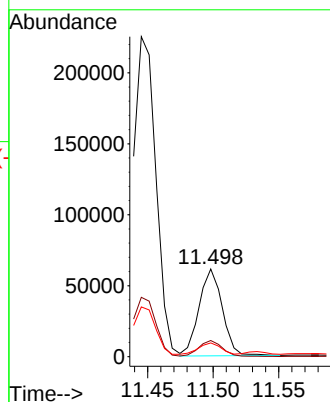
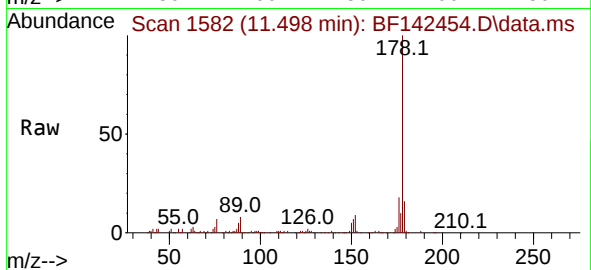
Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:178	Resp:	75680
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.3 22.9
179	15.6	12.6 18.8



#75

Fluoranthene

Concen: 14.858 ng

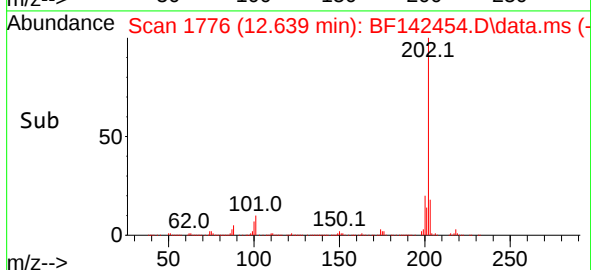
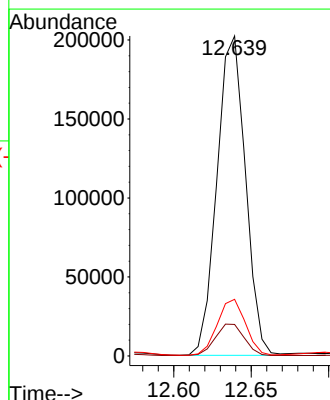
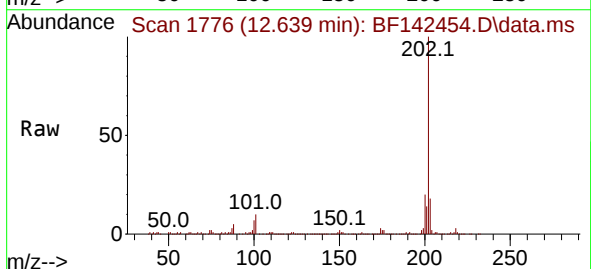
RT: 12.639 min Scan# 1776

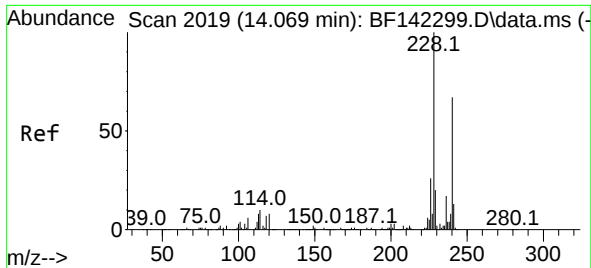
Delta R.T. -0.006 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

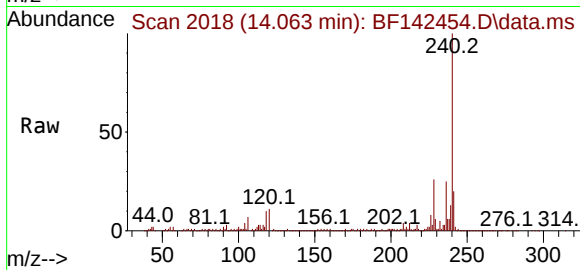
Tgt Ion:202	Resp:	258564
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 31.4
203	17.7	0.0 37.9



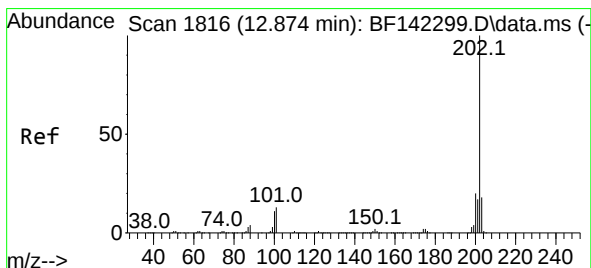
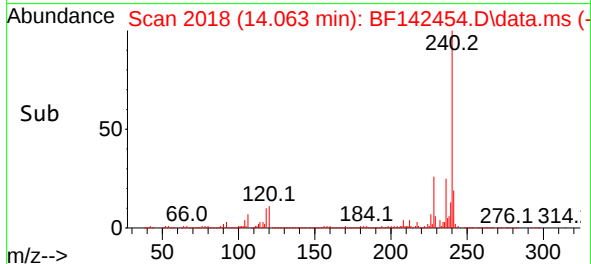
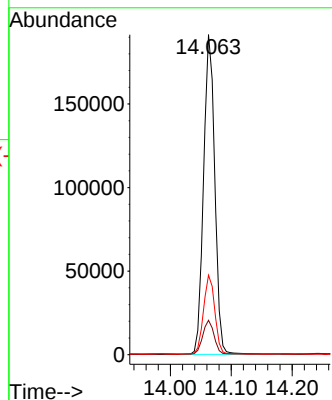


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :

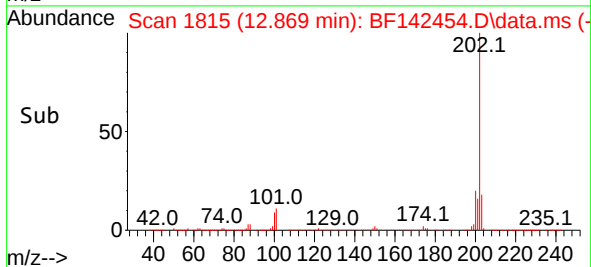
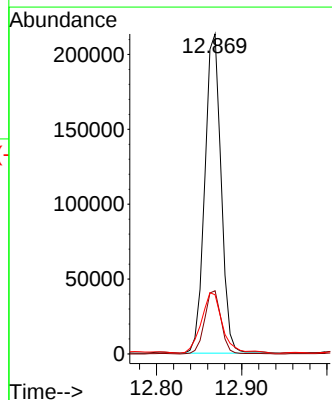
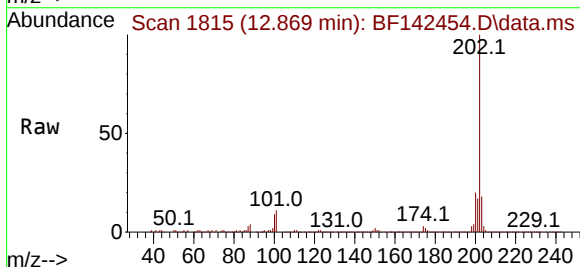


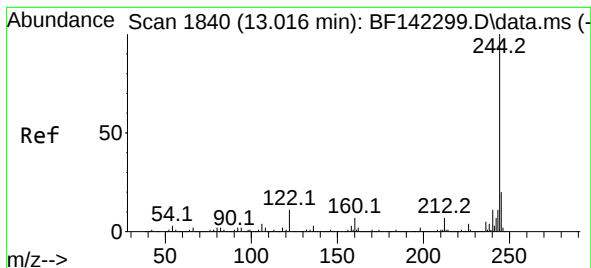
Tgt Ion:240 Resp: 244573
Ion Ratio Lower Upper
240 100
120 10.7 9.7 14.5
236 24.9 20.0 30.0



#78
Pyrene
Concen: 12.996 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:202 Resp: 282906
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.4
203 18.5 14.3 21.5





#79

Terphenyl-d14

Concen: 21.953 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

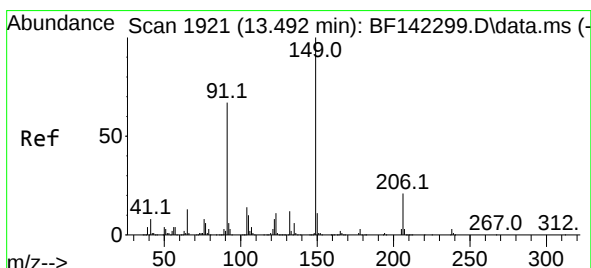
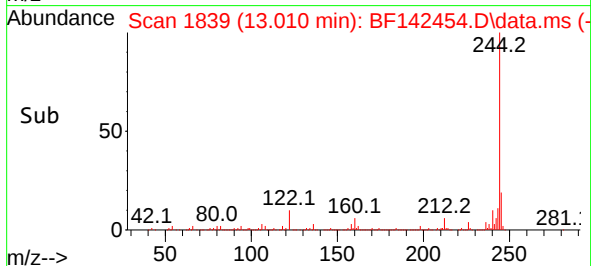
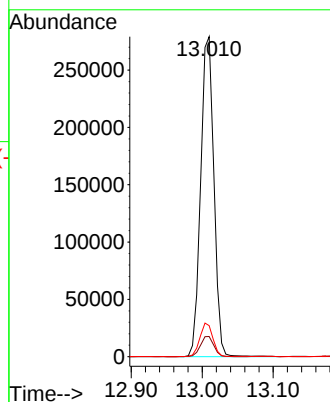
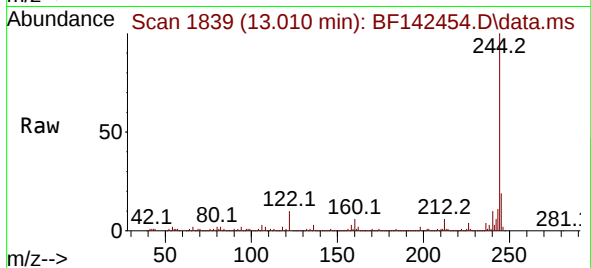
Tgt Ion:244 Resp: 362752

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

122 9.7 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.705 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

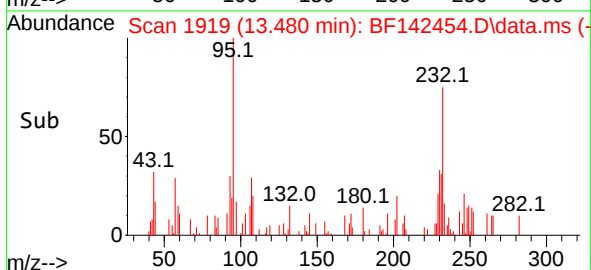
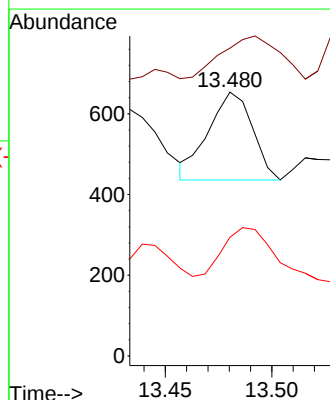
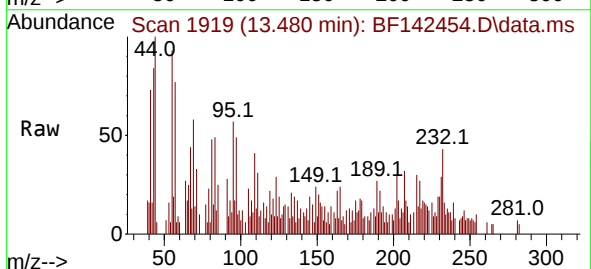
Tgt Ion:149 Resp: 313

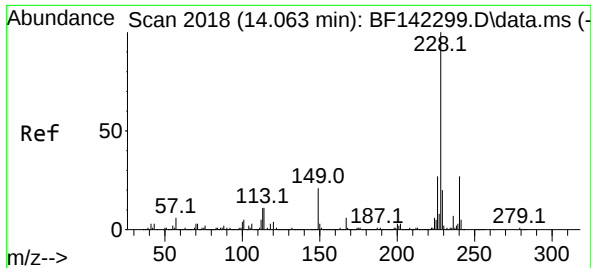
Ion Ratio Lower Upper

149 100

91 116.7 53.8 80.6#

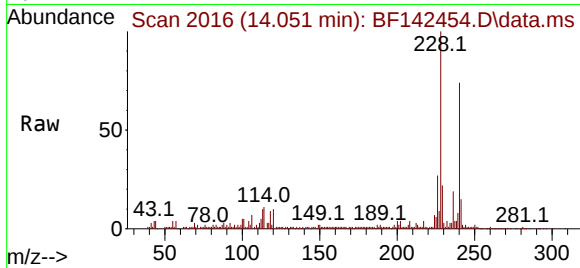
206 45.0 16.6 24.8#



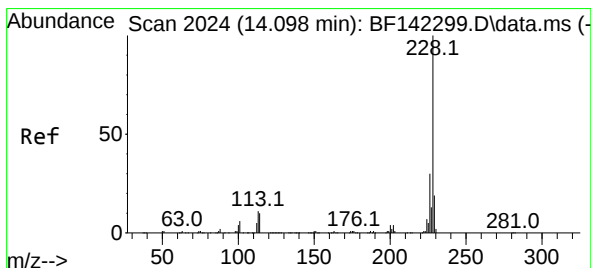
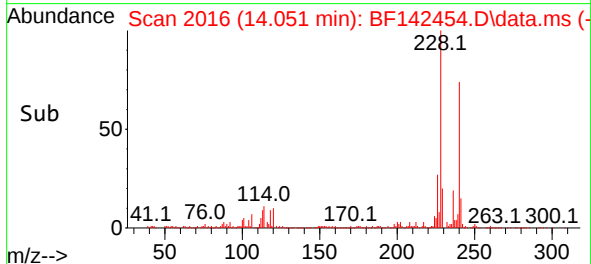
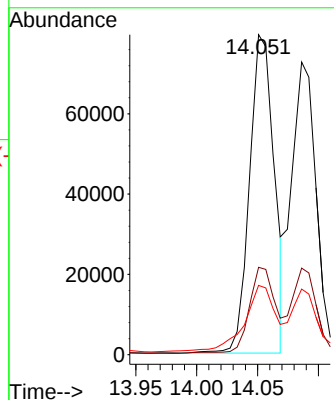


#81
Benzo(a)anthracene
Concen: 7.051 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :

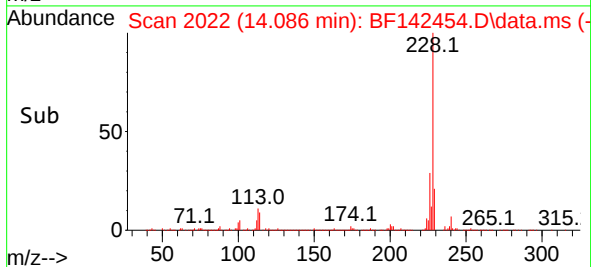
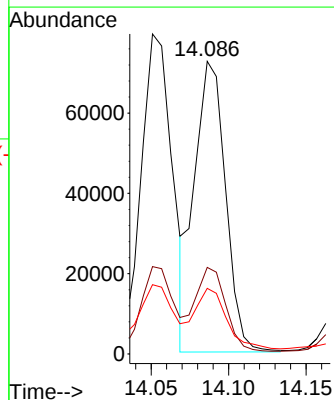
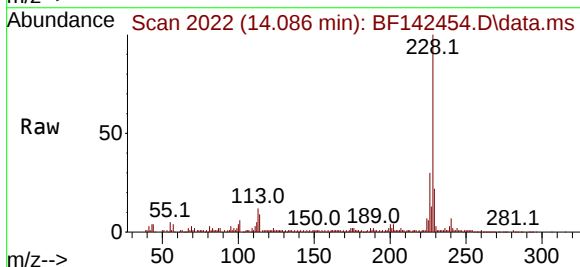


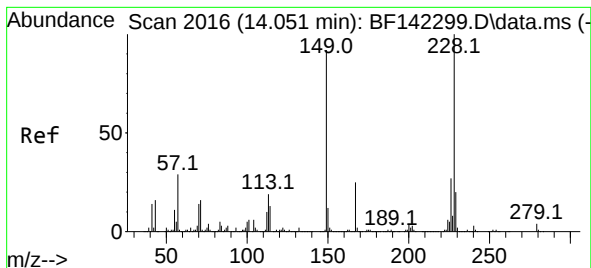
Tgt Ion:228 Resp: 111681
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 21.6 15.9 23.9



#83
Chrysene
Concen: 6.855 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:228 Resp: 101083
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 22.4 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.475 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

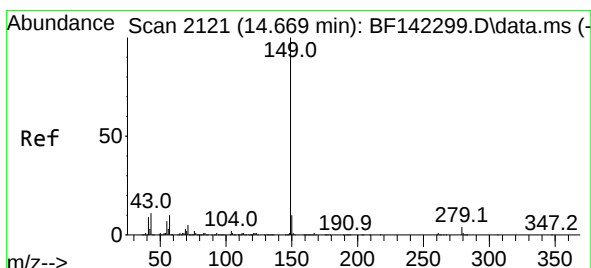
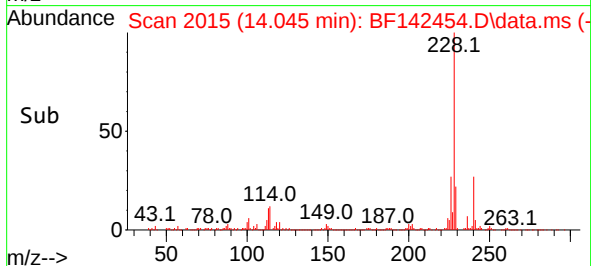
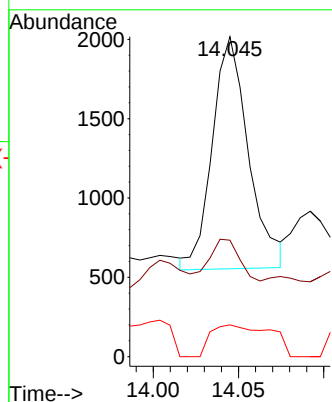
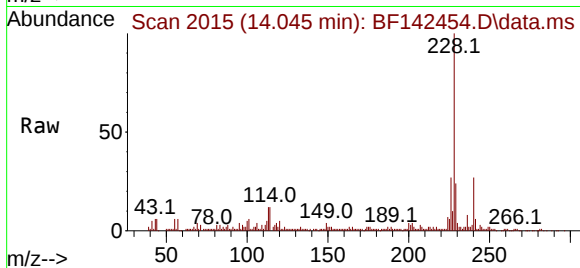
Tgt Ion:149 Resp: 2160

Ion Ratio Lower Upper

149 100

167 36.4 22.0 33.0#

279 9.9 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.867 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

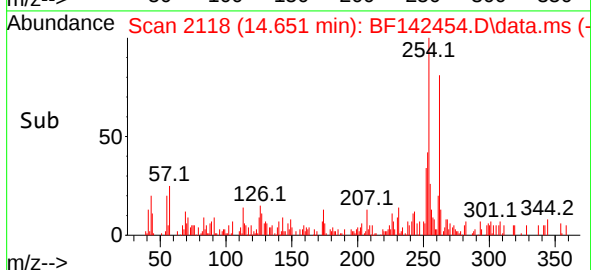
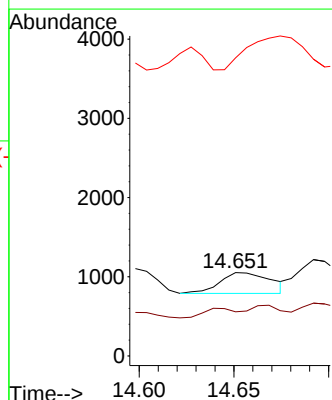
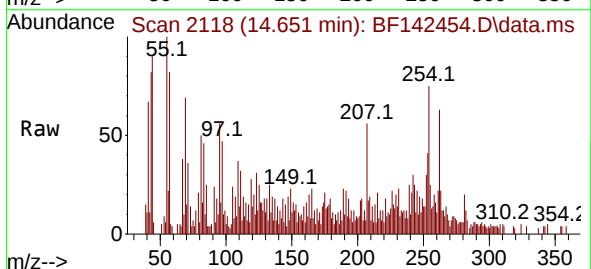
Tgt Ion:149 Resp: 486

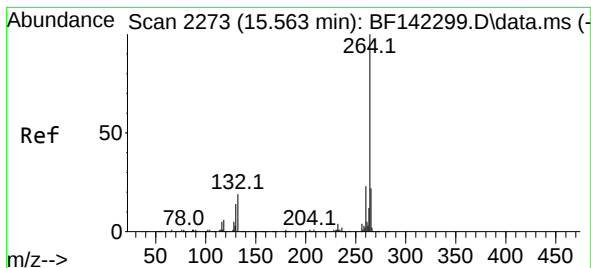
Ion Ratio Lower Upper

149 100

167 42.6 1.1 1.7#

43 0.0 9.2 13.8#



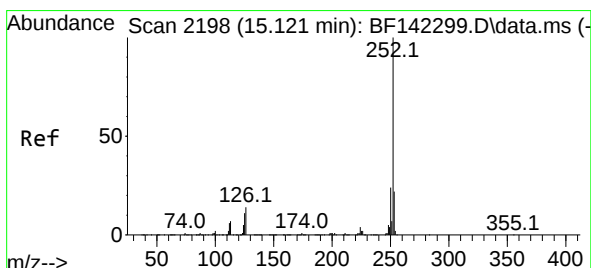
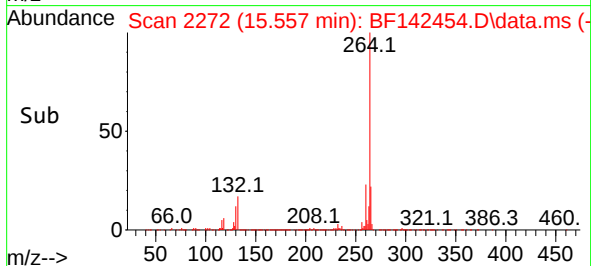
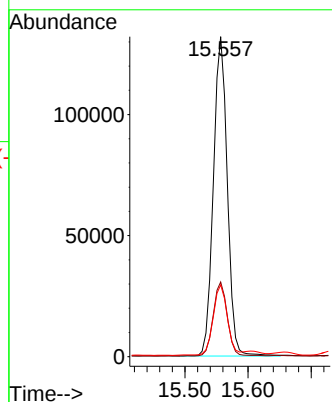
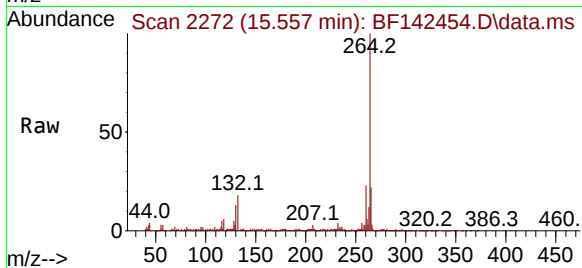


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 202307

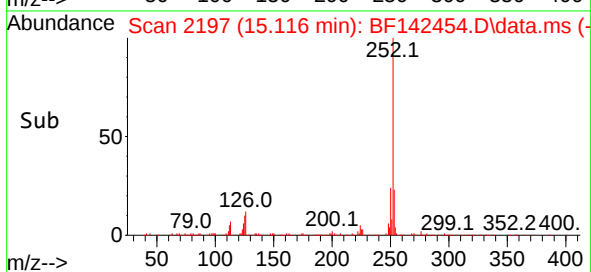
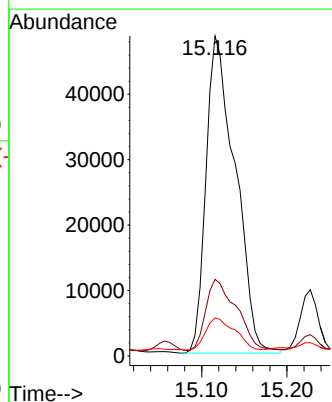
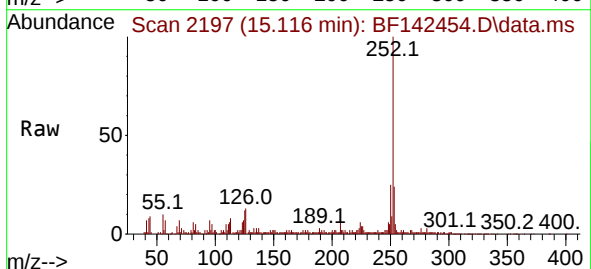
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	22.4	17.5	26.3

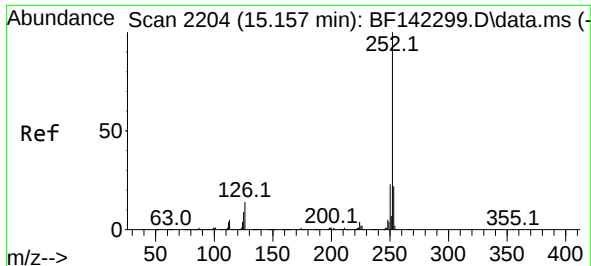


#88
Benzo(b)fluoranthene
Concen: 9.422 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:252 Resp: 115448

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.9	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 10.296 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

Instrument :

BNA_F

ClientSampleId :

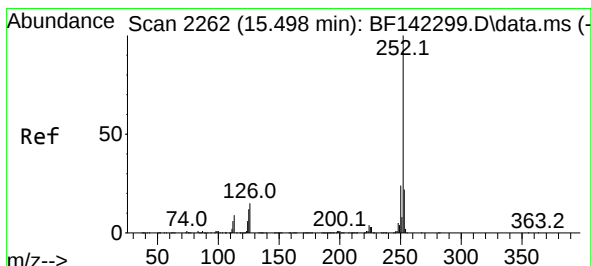
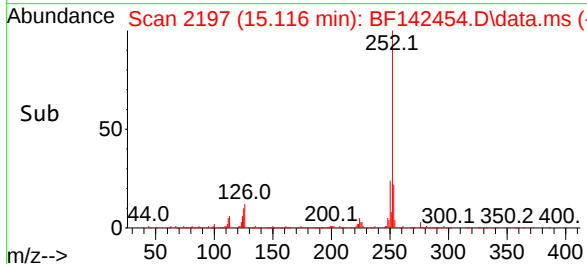
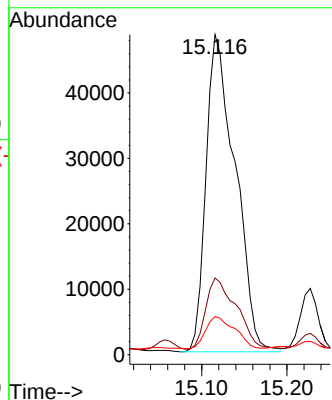
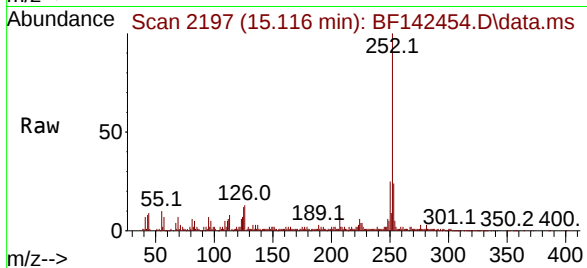
Tgt Ion:252 Resp: 115448

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 11.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 6.241 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF142454.D

Acq: 19 May 2025 16:31

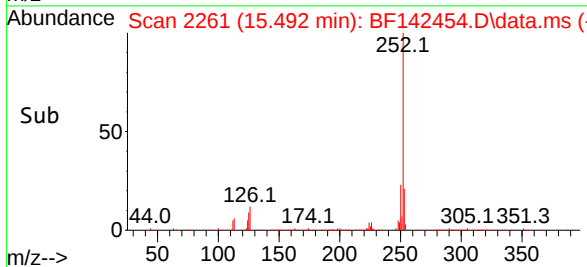
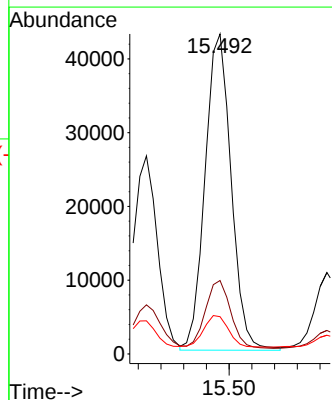
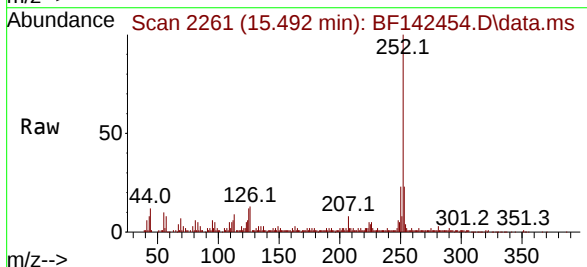
Tgt Ion:252 Resp: 68527

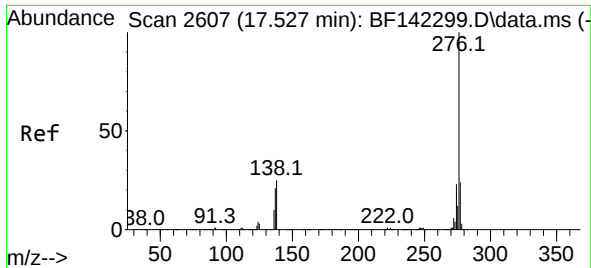
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

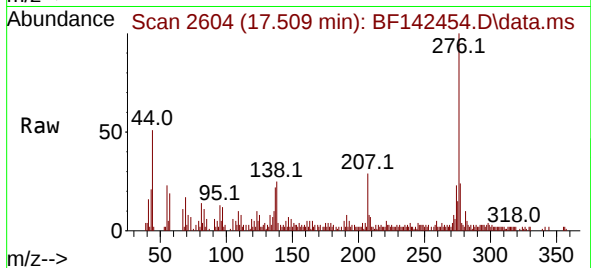
125 11.7 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.358 ng
 RT: 17.509 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF142454.D
 Acq: 19 May 2025 16:31

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	27205
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	25.2	19.8	29.6

