

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142651.D
 Acq On : 06 Jun 2025 17:31
 Operator : RC/JU
 Sample : Q2198-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-202-SB02

Quant Time: Jun 06 22:55:55 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)

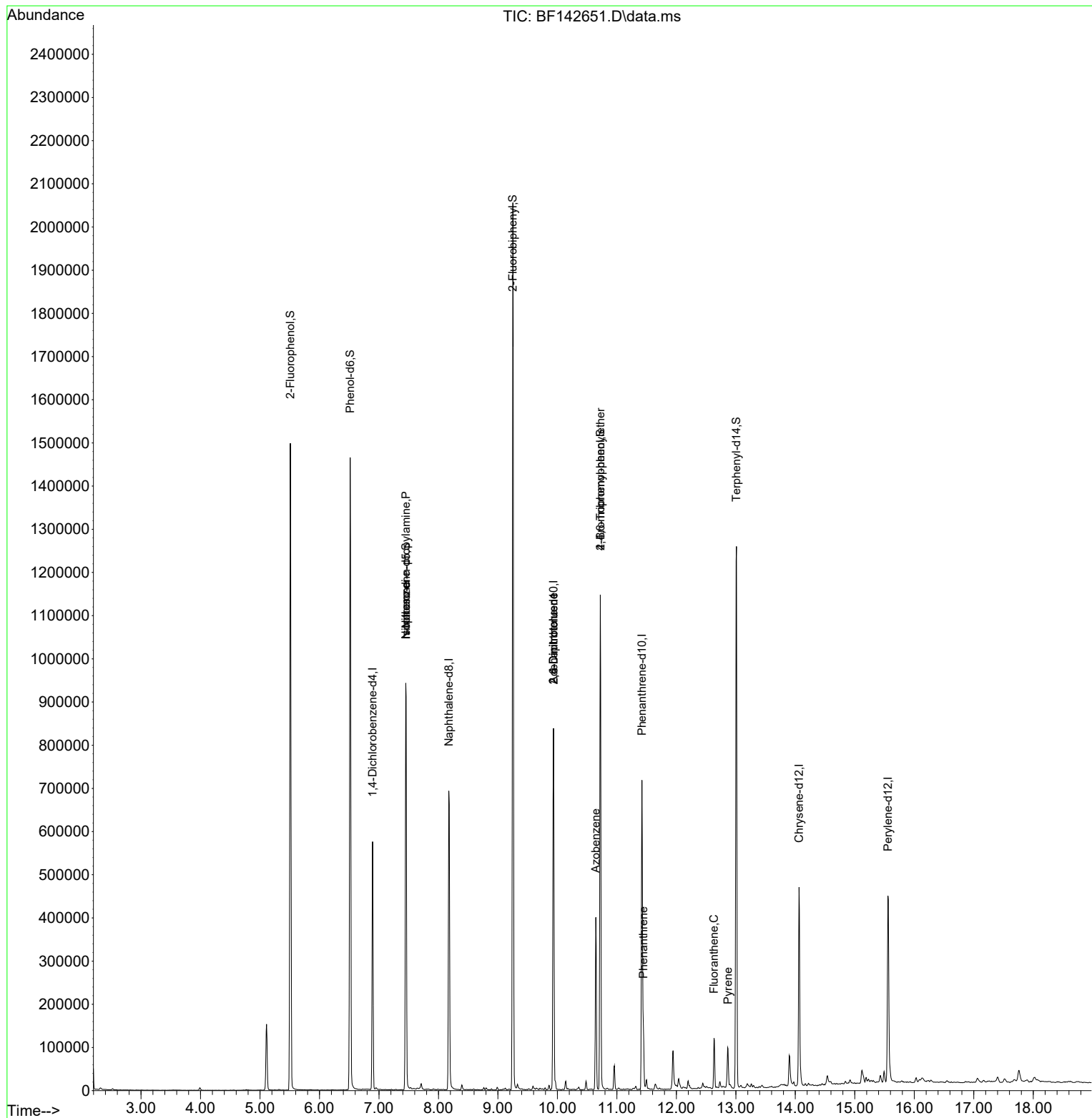
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	123234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	476509	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	248989	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	371551	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	222853	20.000	ng	-0.01
86) Perylene-d12	15.557	264	271822	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	578127	79.037	ng	0.00
7) Phenol-d6	6.516	99	708871	80.507	ng	-0.02
23) Nitrobenzene-d5	7.451	82	421343	48.216	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	200544	72.570	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	918643	49.508	ng	-0.02
79) Terphenyl-d14	13.010	244	635932	38.996	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	56086	10.278	ng	# 76
25) Isophorone	7.451	82	406316	27.810	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	32323	9.116	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	32323	6.980	ng	# 28
63) Azobenzene	10.645	77	92762	6.437	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13086	2.979	ng	# 1
71) Phenanthrene	11.445	178	73270	3.690	ng	99
75) Fluoranthene	12.633	202	72115	3.887	ng	98
78) Pyrene	12.869	202	57879	2.784	ng	99

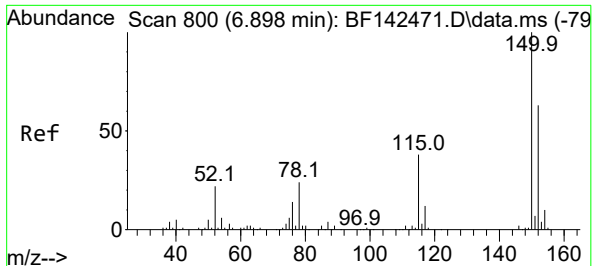
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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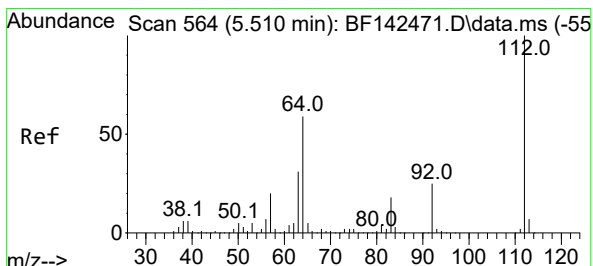
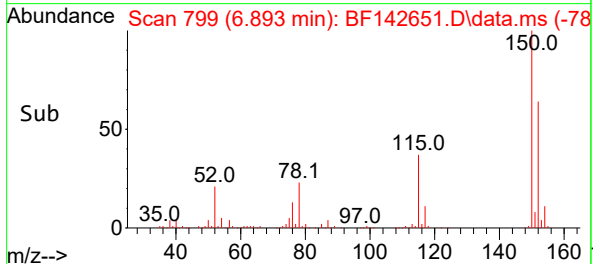
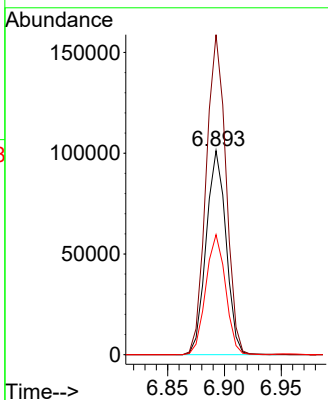
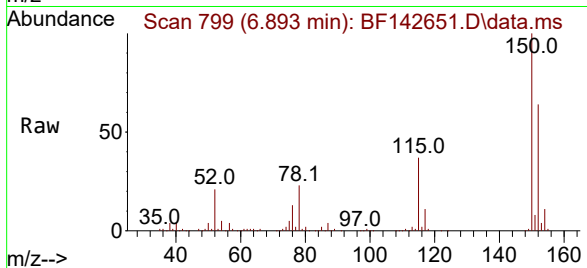




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

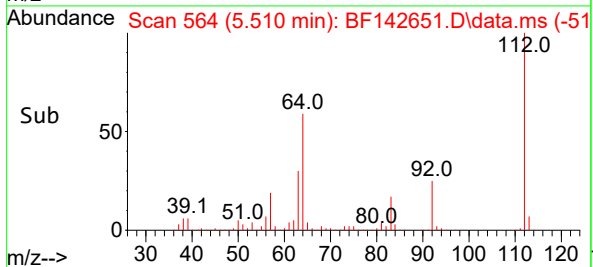
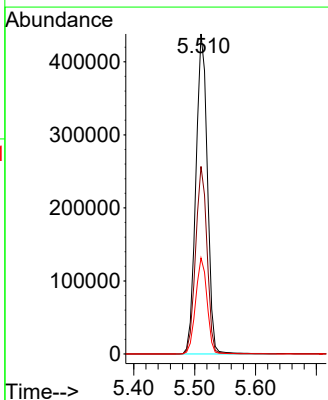
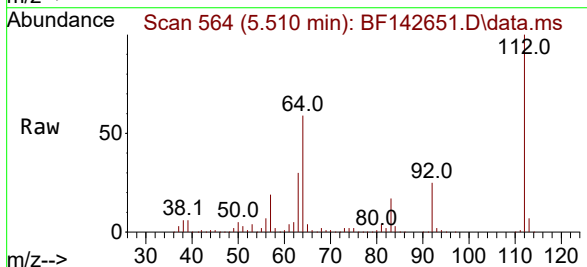
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BNA_F
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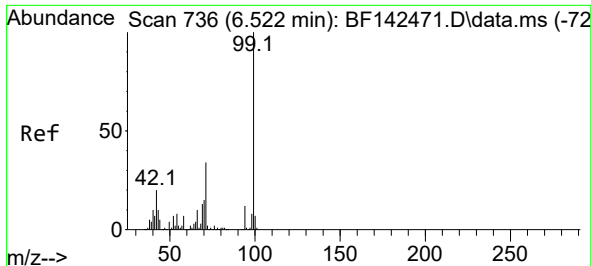
Tgt Ion:152 Resp: 123234
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 58.8 48.3 72.5



#5
2-Fluorophenol
Concen: 79.037 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:112 Resp: 578127
Ion Ratio Lower Upper
112 100
64 58.6 47.5 71.3
63 30.0 24.9 37.3

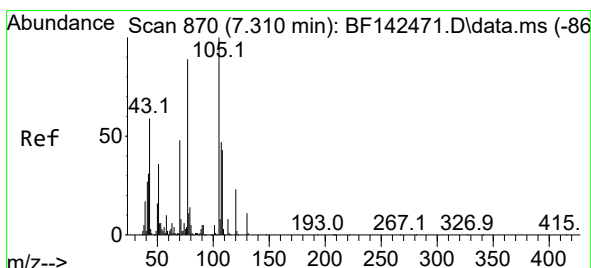
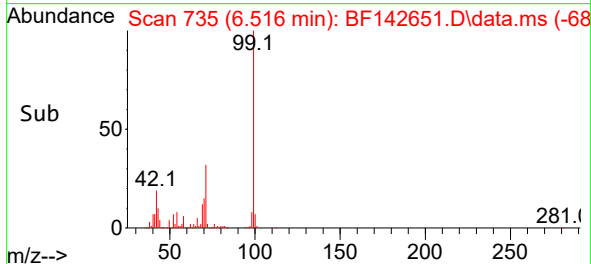
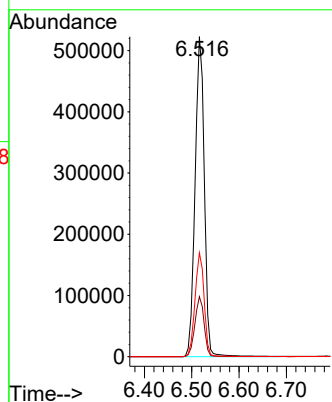
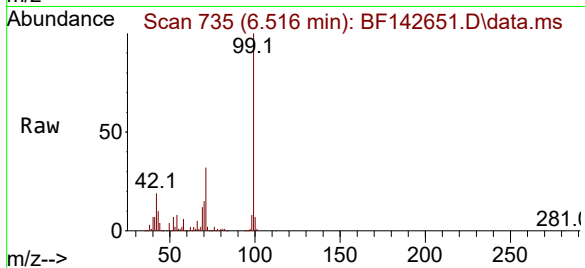




#7
Phenol-d6
Concen: 80.507 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

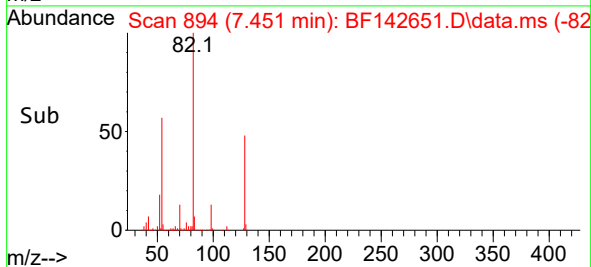
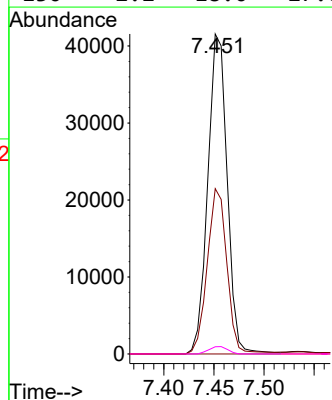
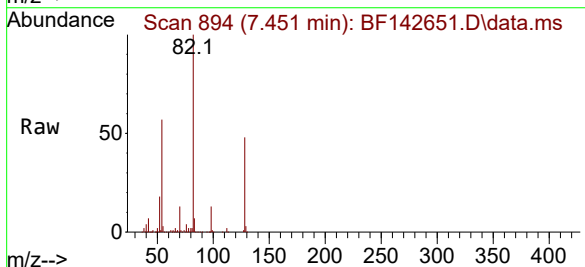
Instrument :
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ClientSampleId :
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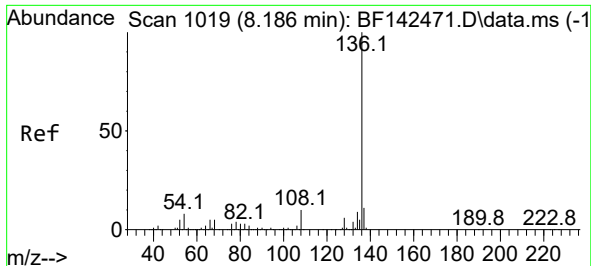
Tgt Ion: 99 Resp: 708871
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 32.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.278 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion: 70 Resp: 56086
Ion Ratio Lower Upper
70 100
42 51.7 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

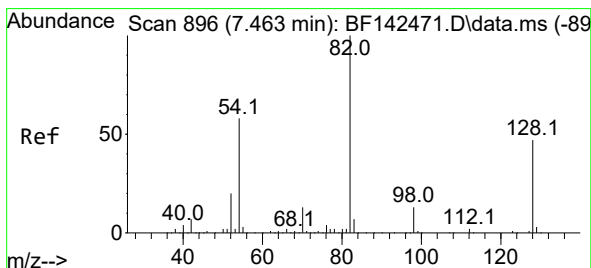
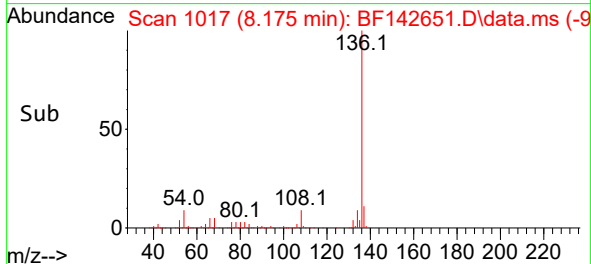
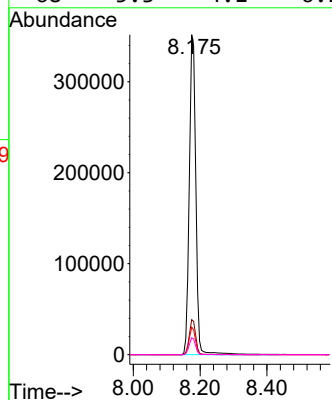
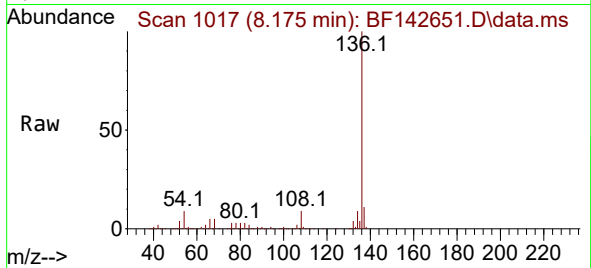




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

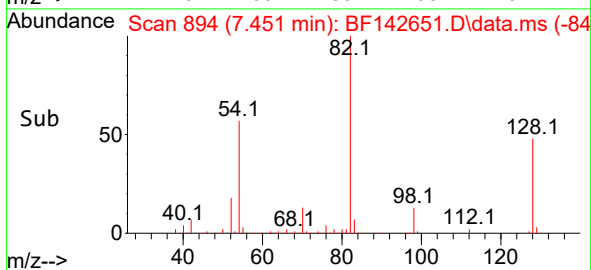
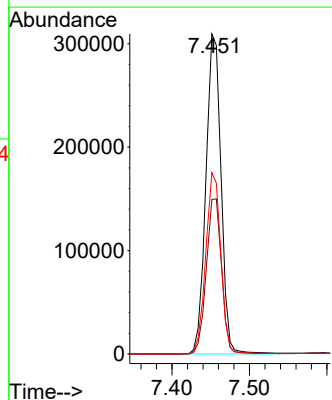
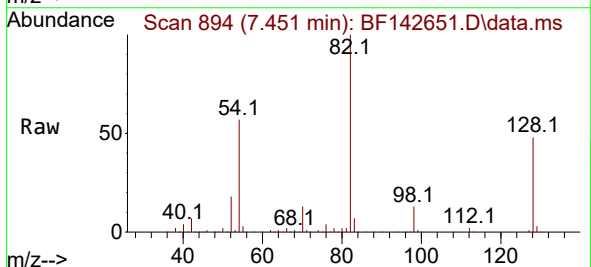
Instrument :
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ClientSampleId :
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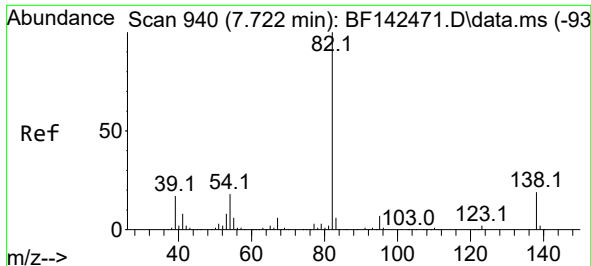
Tgt Ion:136 Resp: 476509
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.6 10.0
68 5.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 48.216 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion: 82 Resp: 421343
Ion Ratio Lower Upper
82 100
128 48.3 37.4 56.2
54 56.6 46.6 70.0

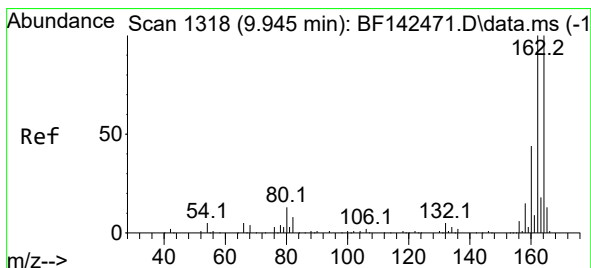
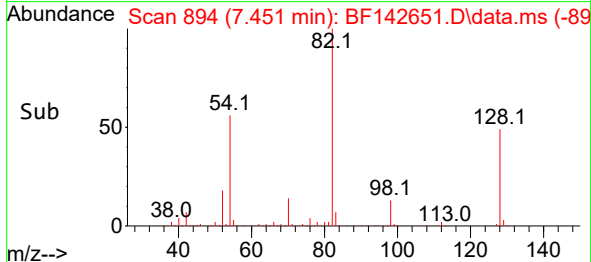
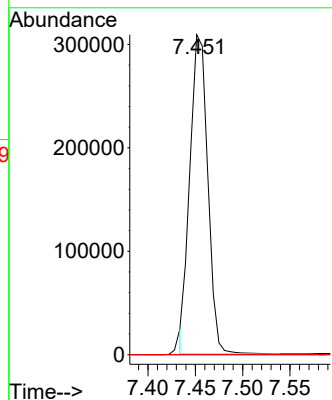
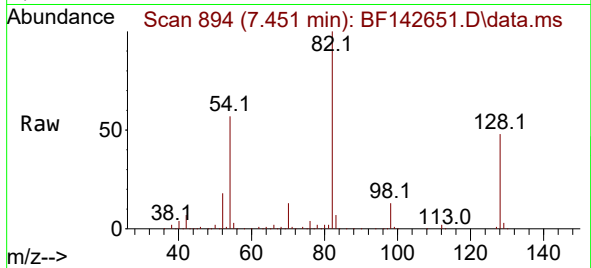




#25
Isophorone
Concen: 27.810 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

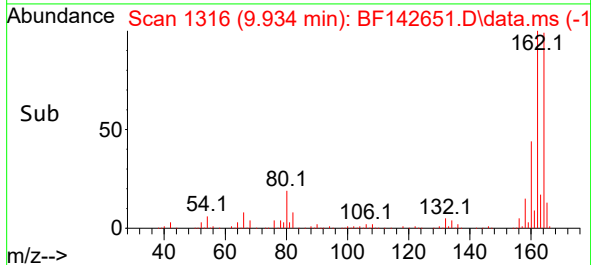
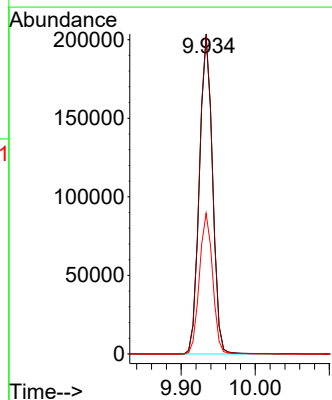
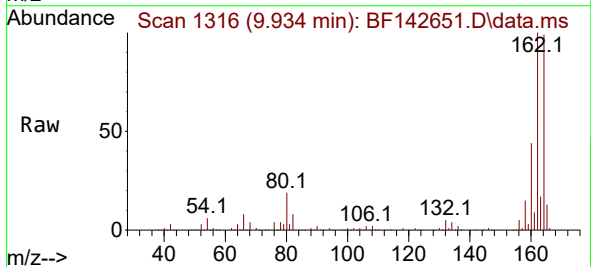
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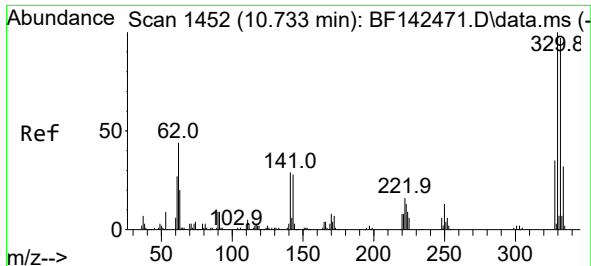
Tgt Ion: 82 Resp: 406316
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:164 Resp: 248989
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.4
160 44.3 35.6 53.4

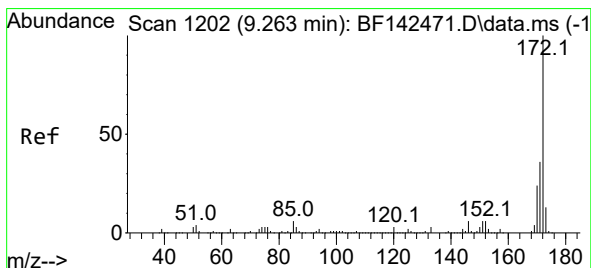
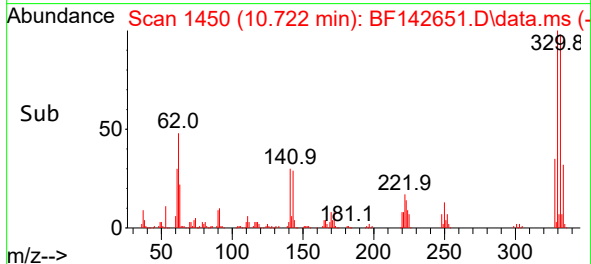
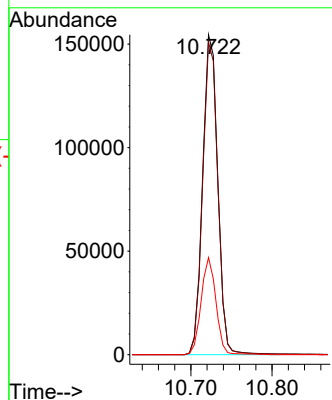
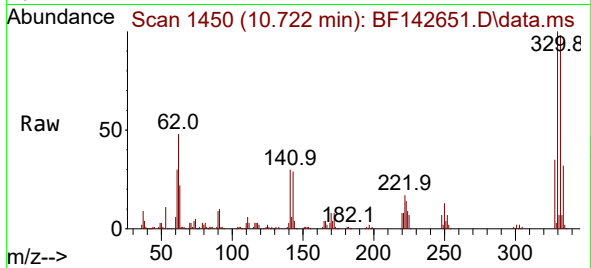




#42
2,4,6-Tribromophenol
Concen: 72.570 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.017 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

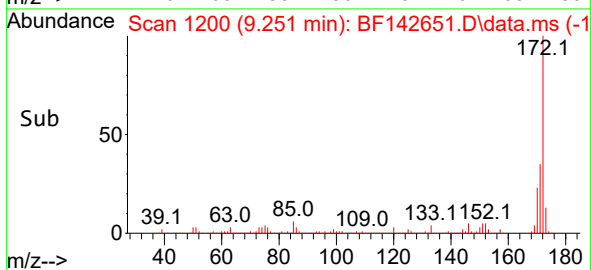
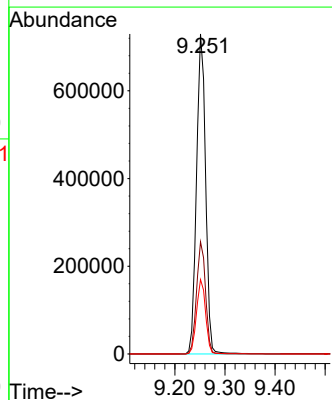
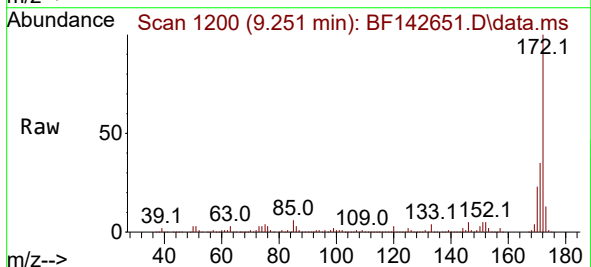
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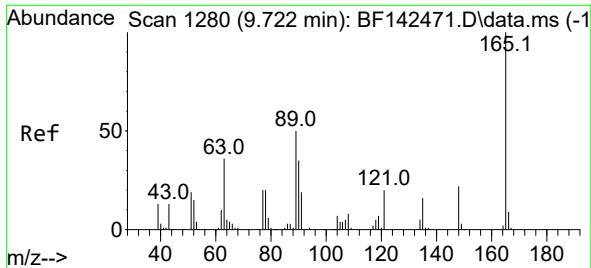
Tgt Ion:330 Resp: 200544
Ion Ratio Lower Upper
330 100
332 97.7 77.6 116.4
141 29.7 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 49.508 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:172 Resp: 918643
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.2 18.9 28.3

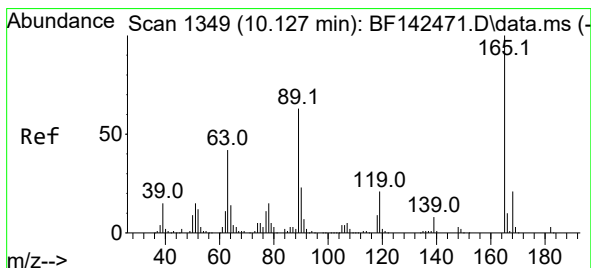
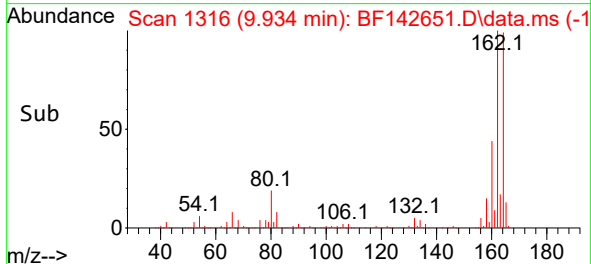
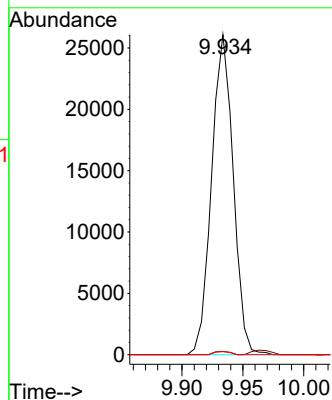
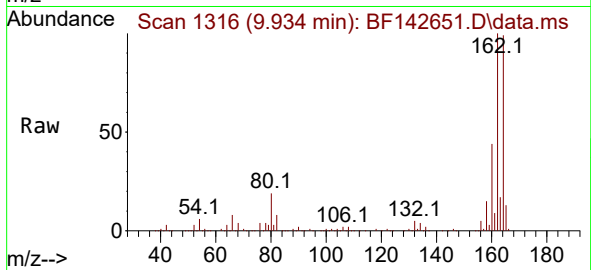




#51
2,6-Dinitrotoluene
Concen: 9.116 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

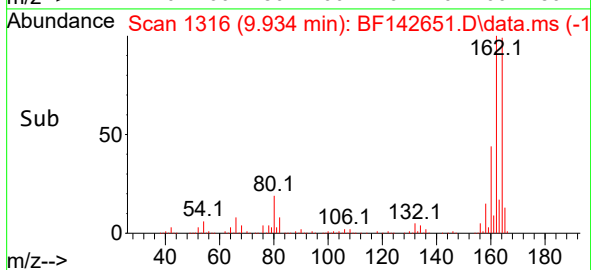
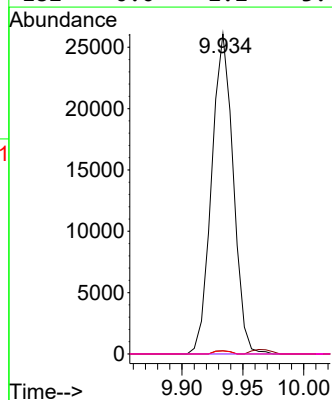
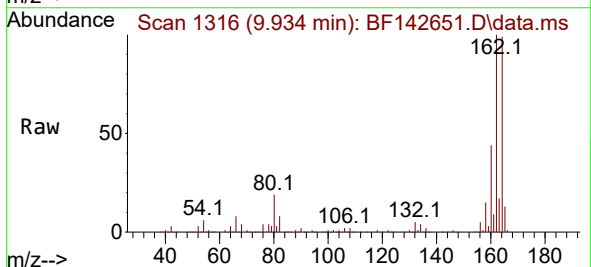
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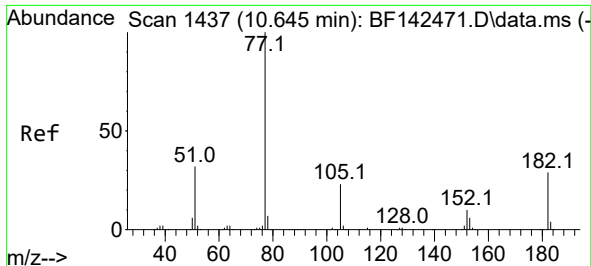
Tgt Ion:165 Resp: 32323
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

Tgt Ion:165 Resp: 32323
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

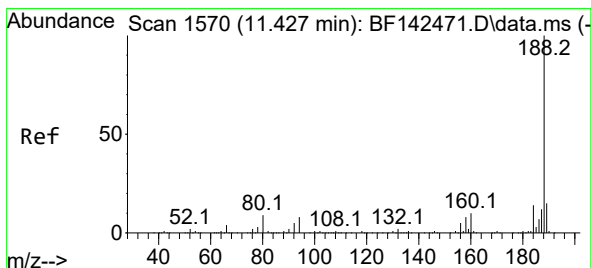
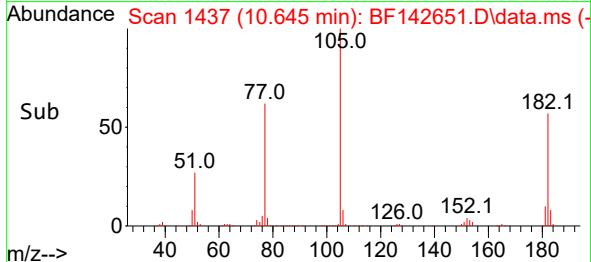
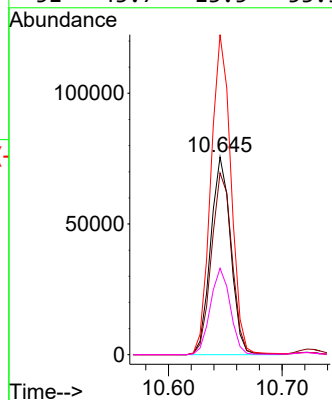
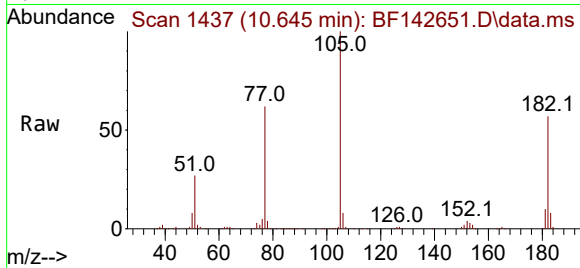




#63
 Azobenzene
 Concen: 6.437 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF142651.D
 Acq: 06 Jun 2025 17:31

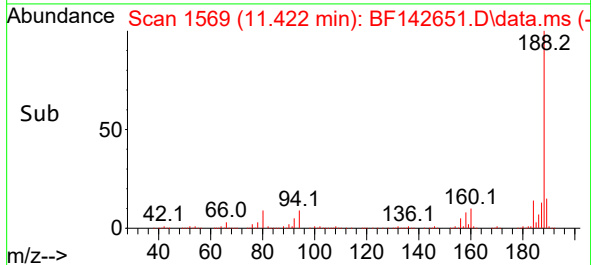
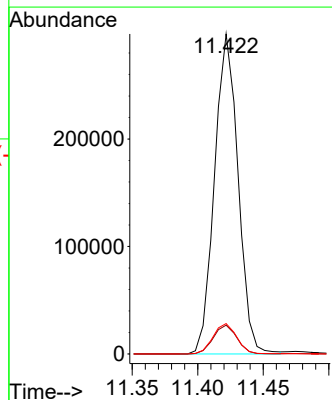
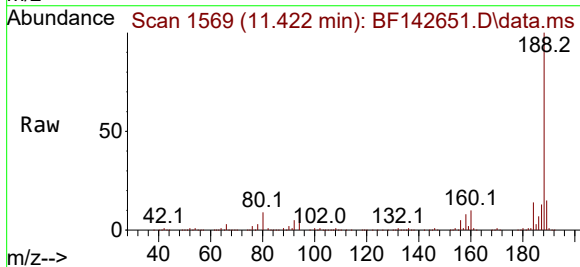
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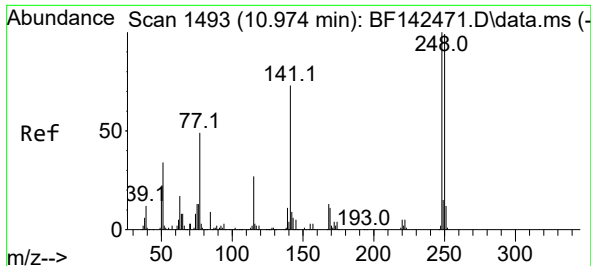
Tgt Ion: 77 Resp: 92762
 Ion Ratio Lower Upper
 77 100
 182 91.9 9.0 49.0#
 105 161.8 2.4 42.4#
 51 43.7 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF142651.D
 Acq: 06 Jun 2025 17:31

Tgt Ion: 188 Resp: 371551
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.6 10.0
 80 9.5 7.4 11.0





#67

4-Bromophenyl-phenylether

Concen: 2.979 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

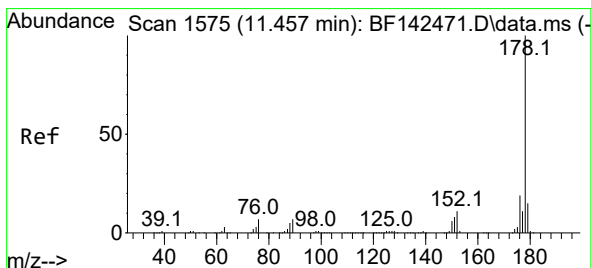
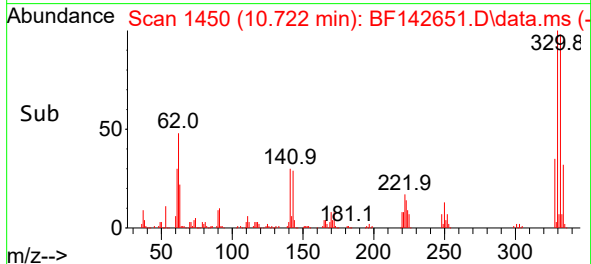
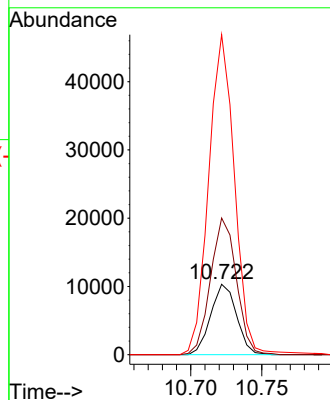
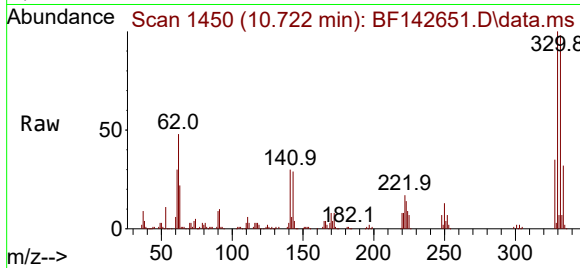
Tgt Ion:248 Resp: 13086

Ion Ratio Lower Upper

248 100

250 193.9 79.0 118.4#

141 454.3 58.4 87.6#



#71

Phenanthrene

Concen: 3.690 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

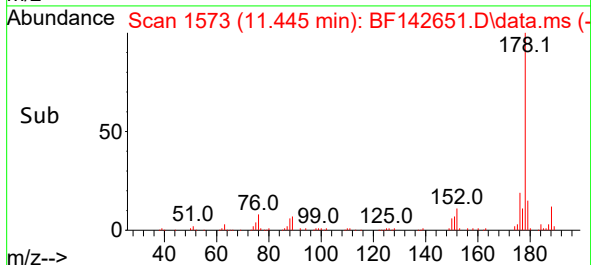
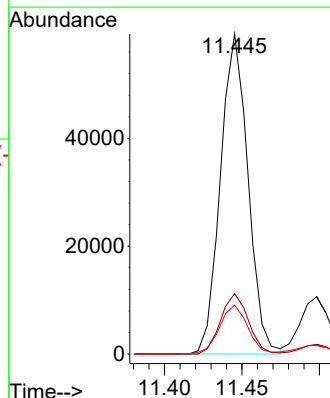
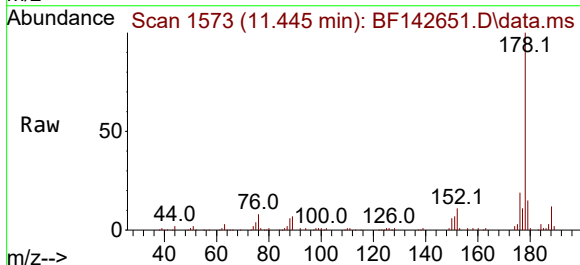
Tgt Ion:178 Resp: 73270

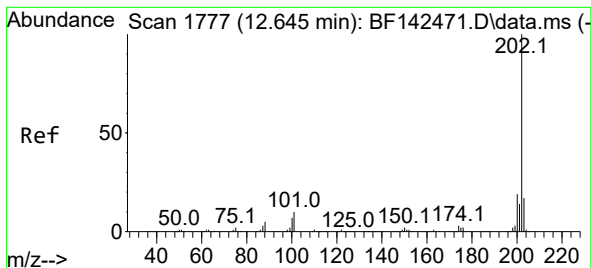
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.3 12.3 18.5





#75

Fluoranthene

Concen: 3.887 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142651.D

Acq: 06 Jun 2025 17:31

Instrument :

BNA_F

ClientSampleId :

B-202-SB02

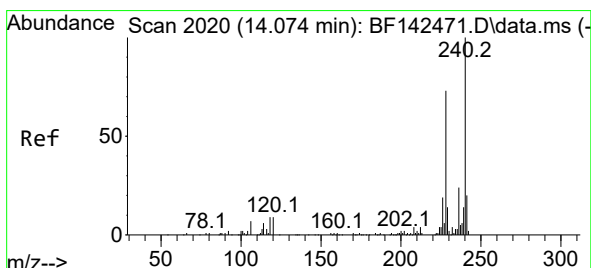
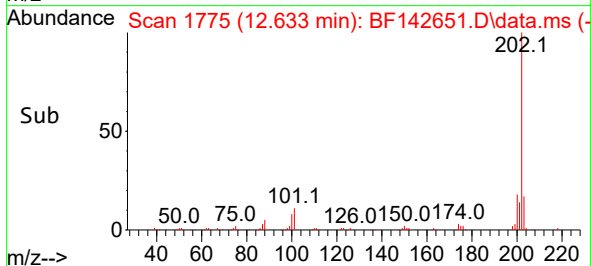
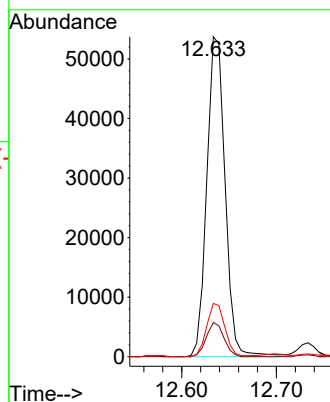
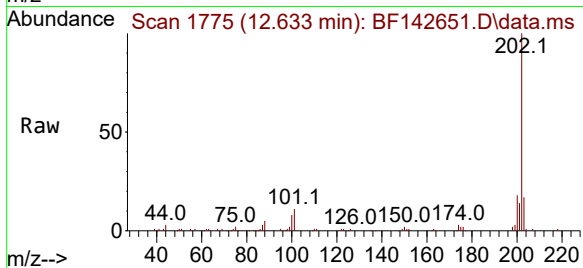
Tgt Ion:202 Resp: 72115

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.6

203 16.7 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: BF142651.D

Acq: 06 Jun 2025 17:31

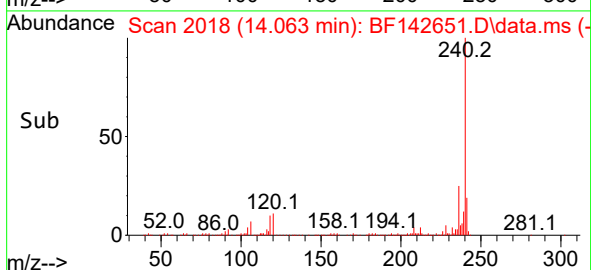
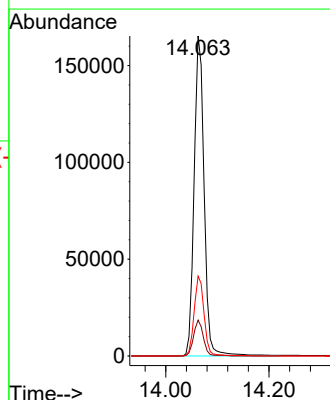
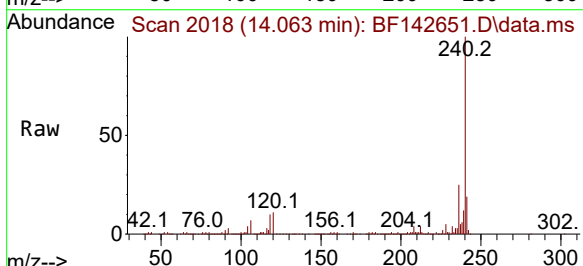
Tgt Ion:240 Resp: 222853

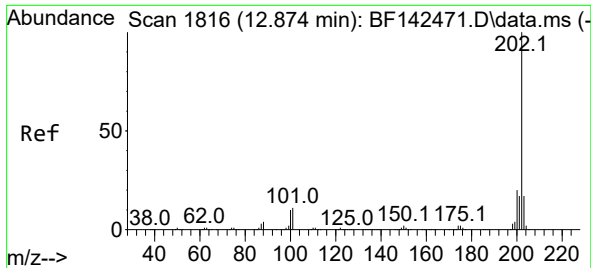
Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

236 25.0 19.6 29.4

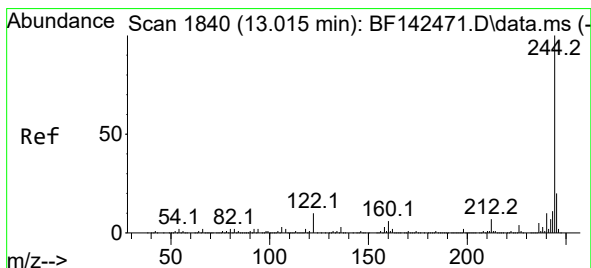
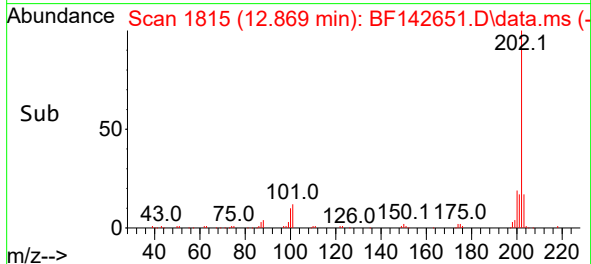
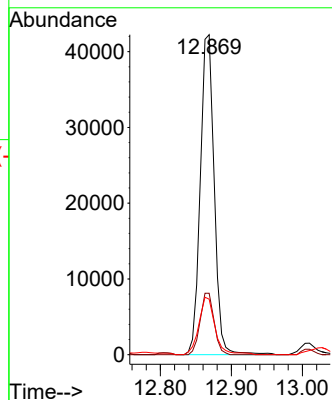
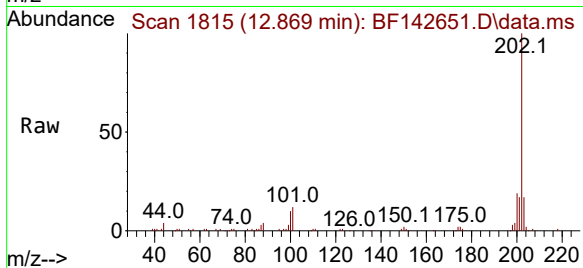




#78
Pyrene
Concen: 2.784 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

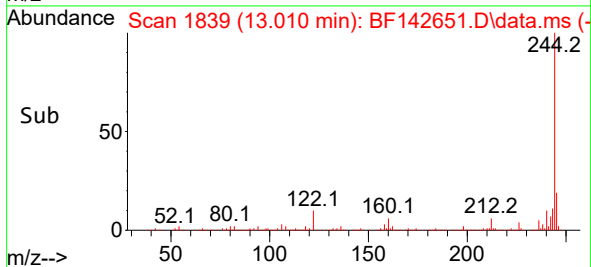
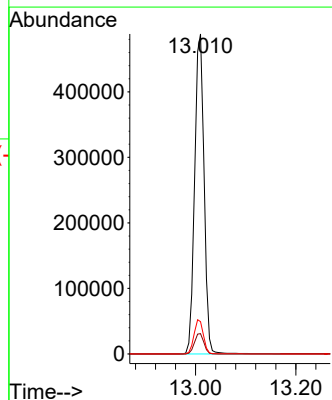
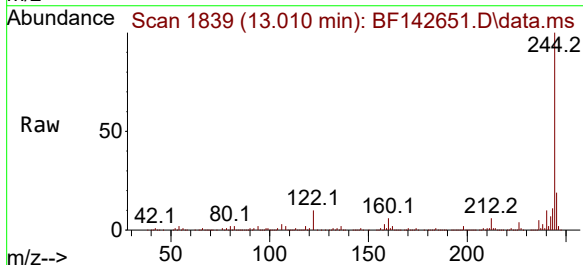
Instrument :
BNA_F
ClientSampleId :
B-202-SB02

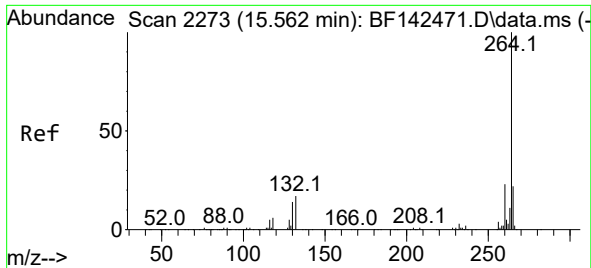
Tgt Ion:202 Resp: 57879
Ion Ratio Lower Upper
202 100
200 19.2 16.1 24.1
203 17.4 13.9 20.9



#79
Terphenyl-d14
Concen: 38.996 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142651.D
Acq: 06 Jun 2025 17:31

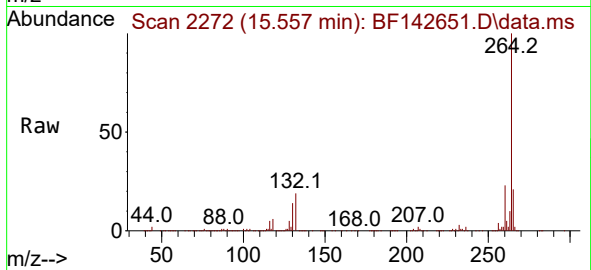
Tgt Ion:244 Resp: 635932
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 10.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142651.D
 Acq: 06 Jun 2025 17:31

Instrument :
 BNA_F
 ClientSampleId :
 B-202-SB02



Tgt Ion:264 Resp: 271822
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.1 17.7 26.5

