

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141098.D
 Acq On : 08 Jan 2025 21:34
 Operator : RC/JU
 Sample : Q1027-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-010725

Quant Time: Jan 09 00:05:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

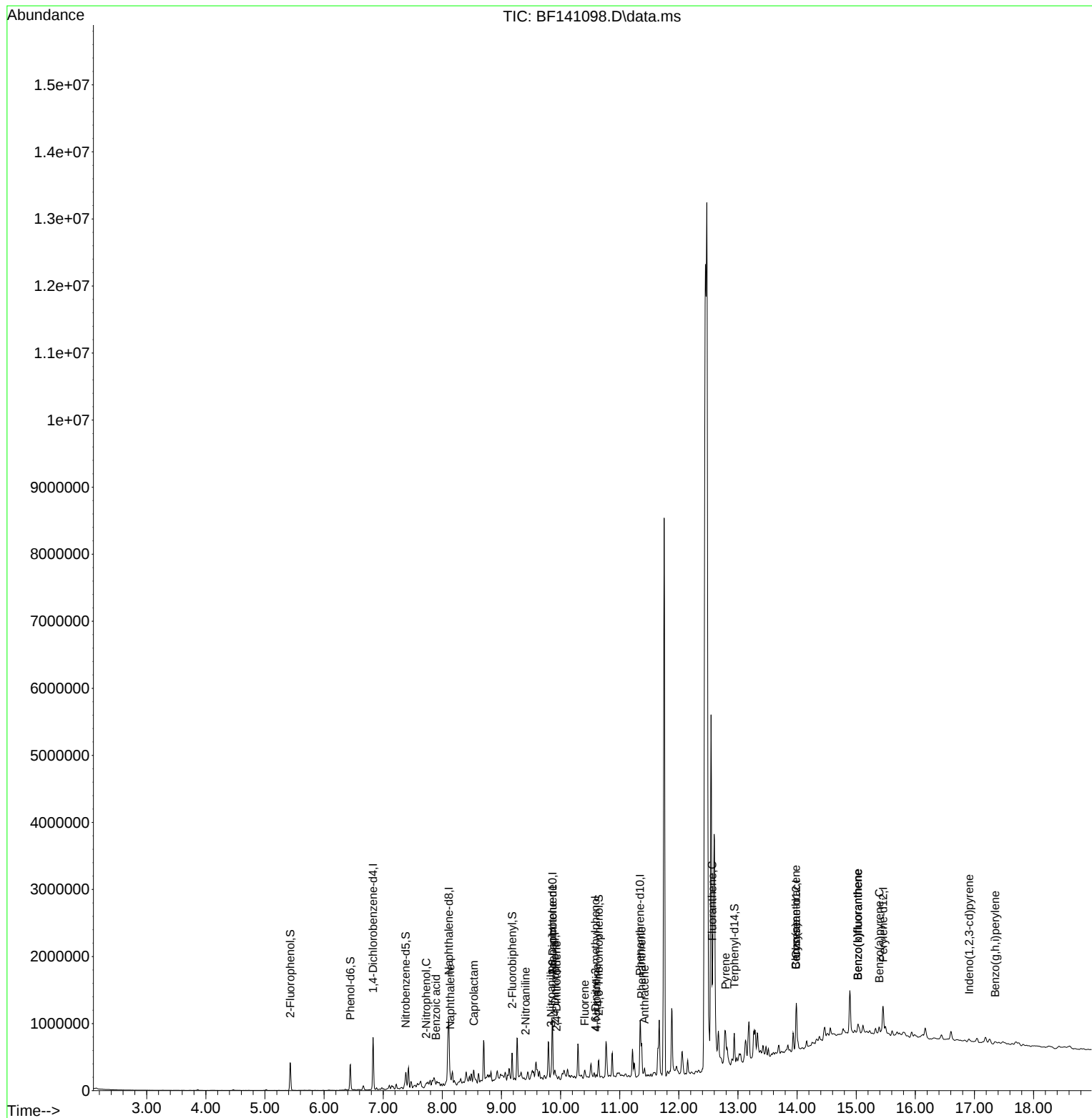
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	159018	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	536440	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	247279	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	431853	20.000	ng	0.00
76) Chrysene-d12	13.986	240	285069	20.000	ng	0.00
86) Perylene-d12	15.457	264	244593	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	156555	14.840	ng	0.00
7) Phenol-d6	6.445	99	184251	13.558	ng	0.00
23) Nitrobenzene-d5	7.381	82	101251	12.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	38539	16.039	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	177751	11.453	ng	0.00
79) Terphenyl-d14	12.939	244	204652	11.924	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	6.357	77	666	Below Cal	#	1
26) 2-Nitrophenol	7.728	139	776	5.481	ng	# 1
31) Naphthalene	8.133	128	64140	2.269	ng	99
32) Benzoic acid	7.892	122	935	7.836	ng	# 1
35) Caprolactam	8.533	113	5309	2.065	ng	# 1
48) 2-Nitroaniline	9.410	65	199	4.691	ng	# 28
51) 2,6-Dinitrotoluene	9.863	165	36025	13.688	ng	# 25
53) 3-Nitroaniline	9.839	138	84	3.287	ng	# 39
54) 2,4-Dinitrophenol	9.904	184	118	6.320	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	1166	4.760	ng	# 52
58) Fluorene	10.410	166	37527	2.410	ng	# 95
62) 4-Nitroaniline	10.610	138	349	3.436	ng	77
65) 4,6-Dinitro-2-methylph...	10.592	198	162	9.419	ng	# 1
71) Phenanthrene	11.369	178	253827	11.168	ng	99
72) Anthracene	11.422	178	66478	2.985	ng	98
75) Fluoranthene	12.563	202	247631	10.046	ng	98
78) Pyrene	12.792	202	210714	8.452	ng	98
81) Benzo(a)anthracene	13.980	228	87432	4.401	ng	93
83) Chrysene	13.980	228	87432	4.882	ng	96
87) Indeno(1,2,3-cd)pyrene	16.909	276	31496	2.044	ng	# 93
88) Benzo(b)fluoranthene	15.027	252	103063	6.042	ng	# 80
89) Benzo(k)fluoranthene	15.027	252	103063	7.708	ng	# 81
90) Benzo(a)pyrene	15.392	252	57055	4.309	ng	# 79
92) Benzo(g,h,i)perylene	17.351	276	33417	2.579	ng	# 85

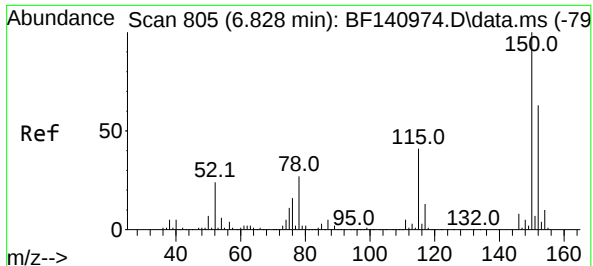
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
Data File : BF141098.D
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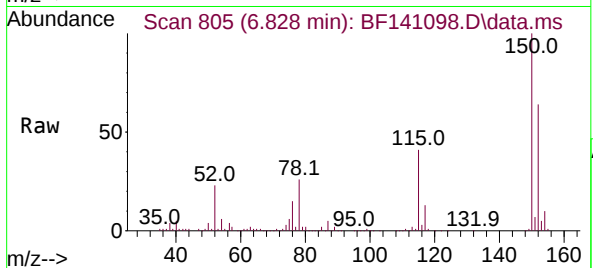
Quant Time: Jan 09 00:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
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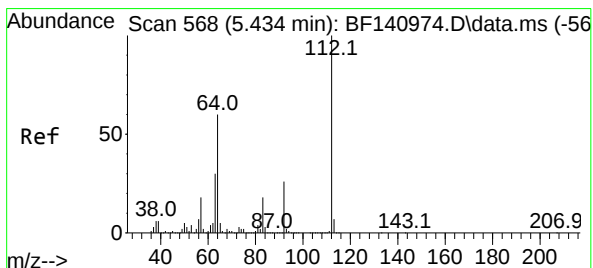
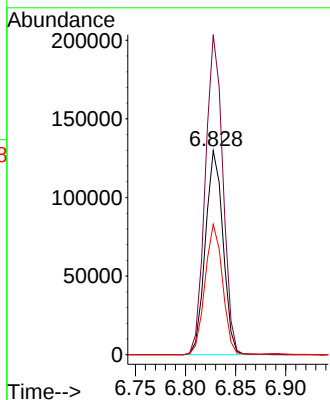
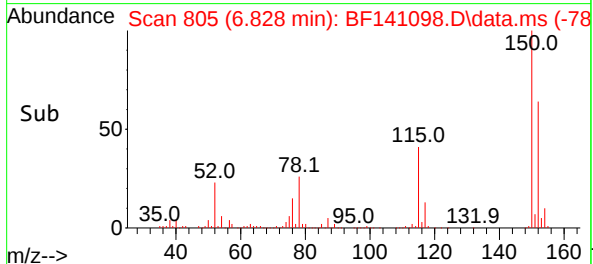


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

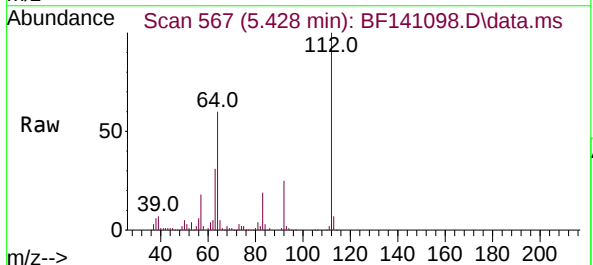
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BNA_F
ClientSampleId :
EO-03-010725



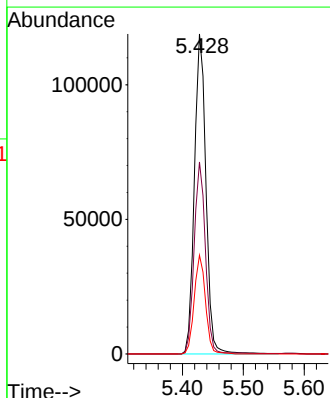
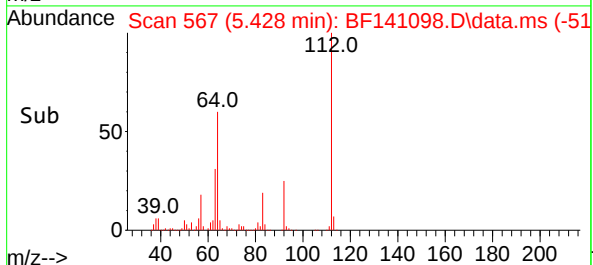
Tgt Ion:152 Resp: 159018
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.6
115 63.9 51.7 77.5

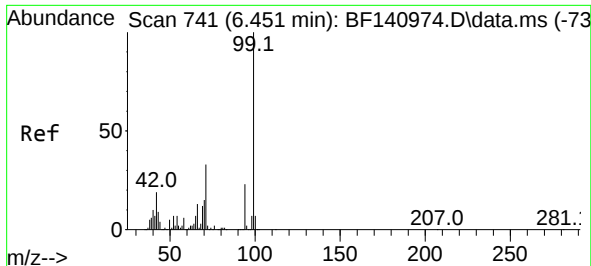


#5
2-Fluorophenol
Concen: 14.840 ng
RT: 5.428 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34



Tgt Ion:112 Resp: 156555
Ion Ratio Lower Upper
112 100
64 60.0 47.7 71.5
63 30.9 24.2 36.2

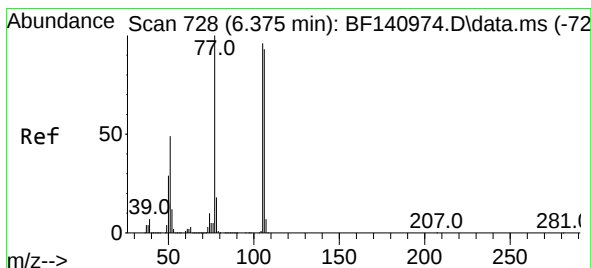
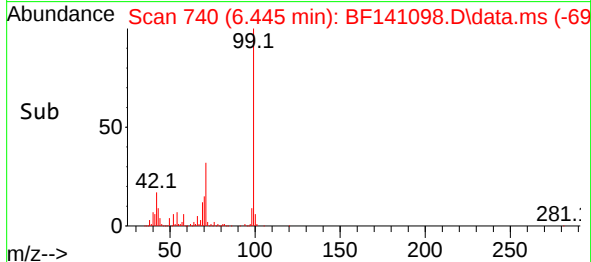
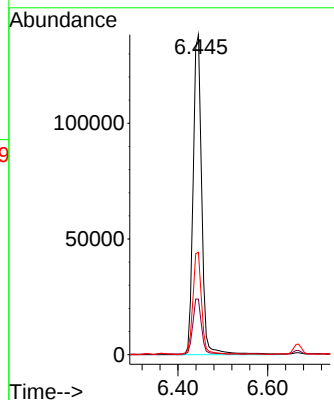
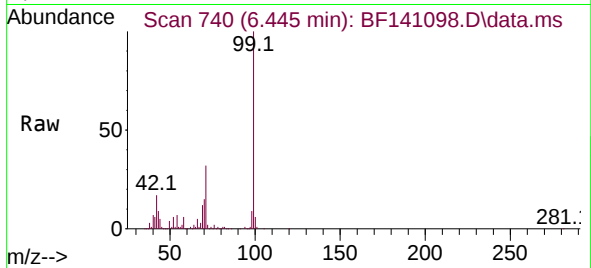




#7
Phenol-d6
Concen: 13.558 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

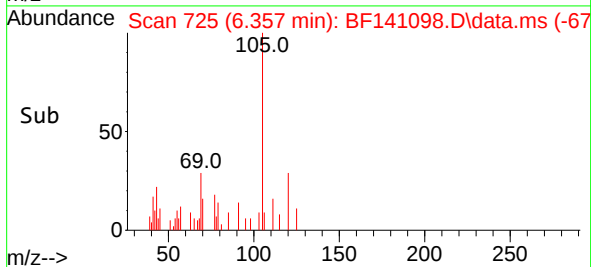
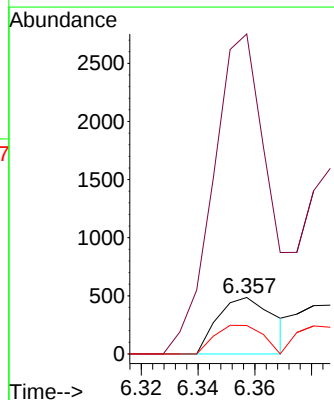
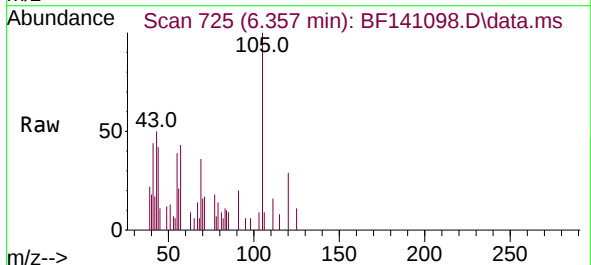
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

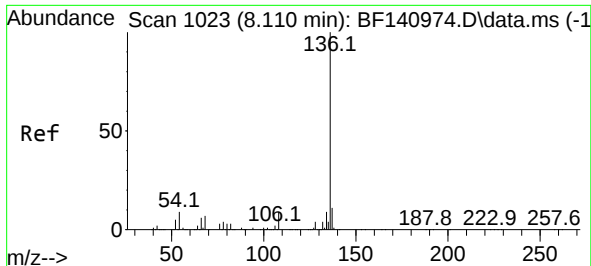
Tgt Ion: 99 Resp: 184251
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.4
71 32.0 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.357 min Scan# 725
Delta R.T. -0.018 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion: 77 Resp: 666
Ion Ratio Lower Upper
77 100
105 566.5 76.2 116.2#
106 50.4 73.4 113.4#



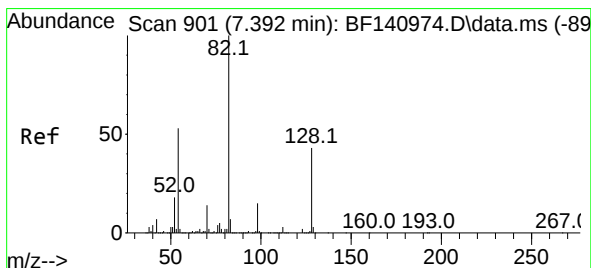
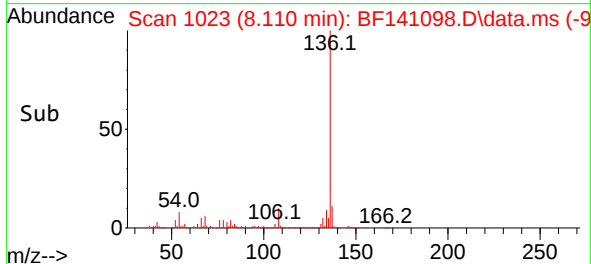
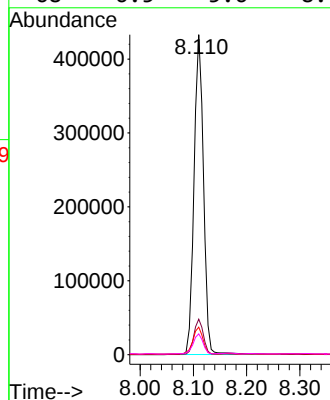
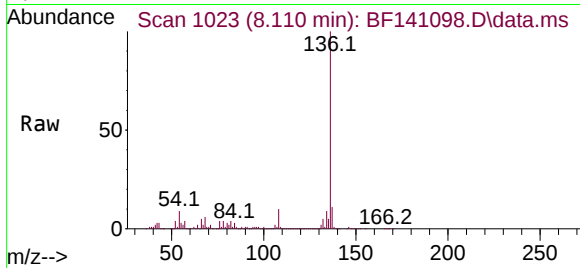


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Instrument :
BNA_F
ClientSampleId :
EO-03-010725

Tgt Ion:136 Resp: 536440

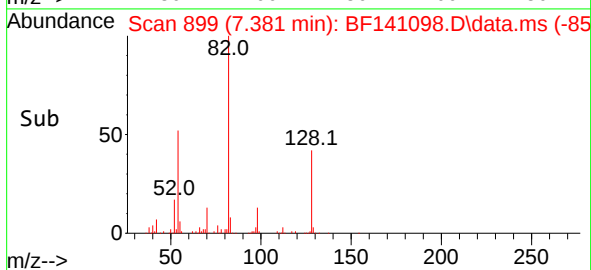
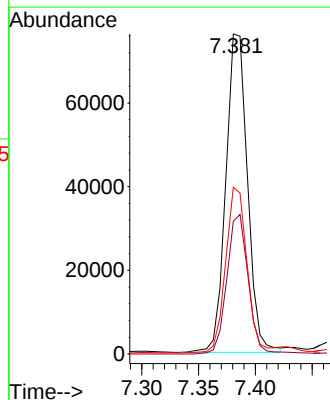
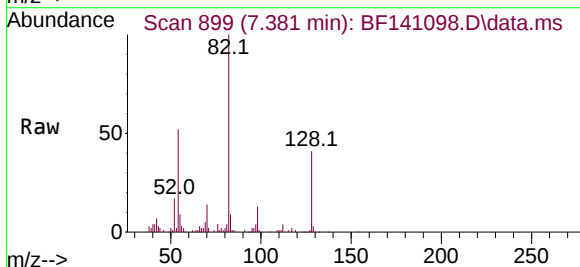
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.6	7.6	11.4
68	6.5	5.6	8.4

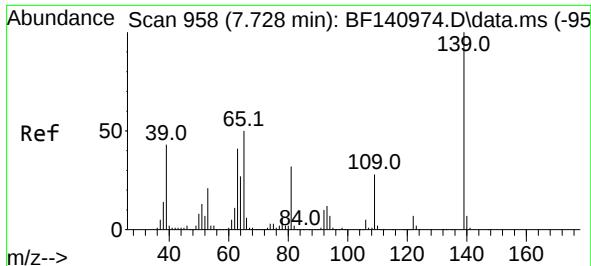


#23
Nitrobenzene-d5
Concen: 12.076 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion: 82 Resp: 101251

Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.4	51.6
54	52.1	42.4	63.6

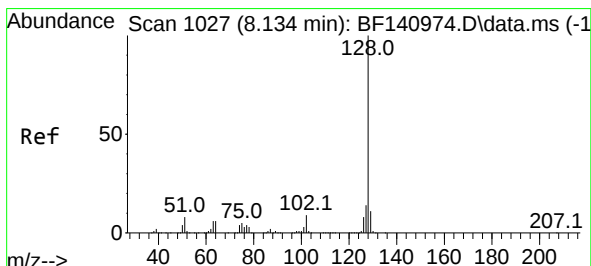
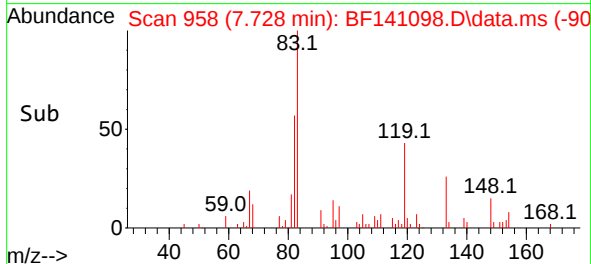
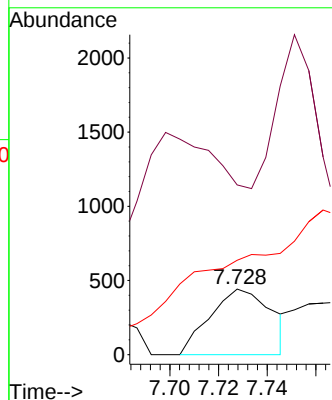
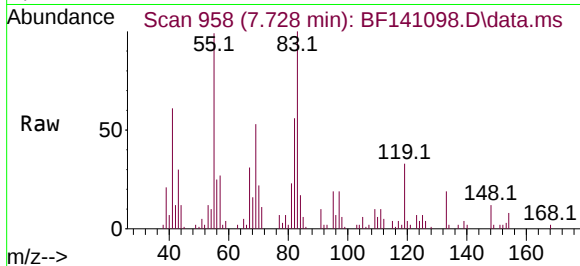




#26
2-Nitrophenol
Concen: 5.481 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

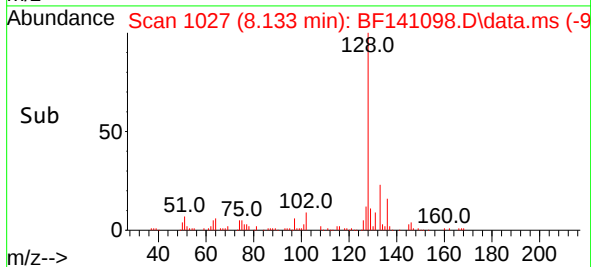
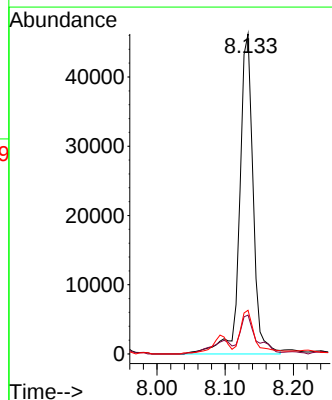
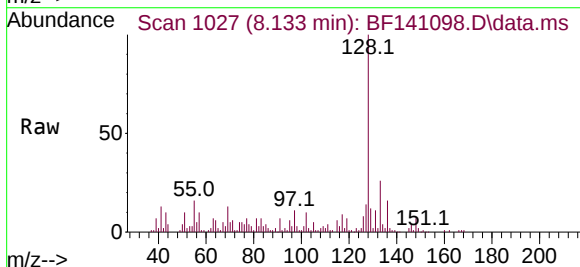
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EO-03-010725

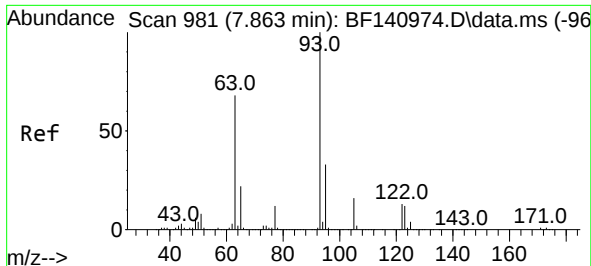
Tgt Ion:139 Resp: 776
Ion Ratio Lower Upper
139 100
109 258.8 22.2 33.4#
65 143.9 40.2 60.4#



#31
Naphthalene
Concen: 2.269 ng
RT: 8.133 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:128 Resp: 64140
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 13.7 11.0 16.4

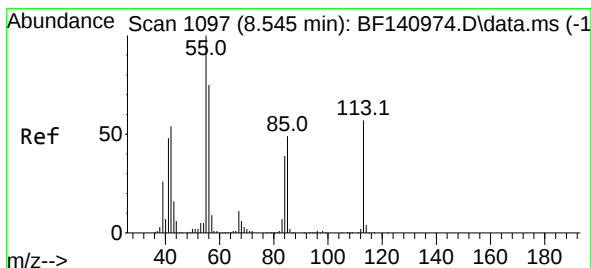
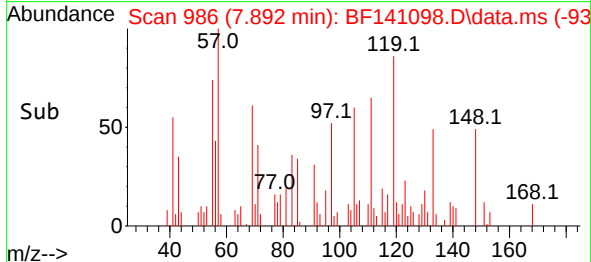
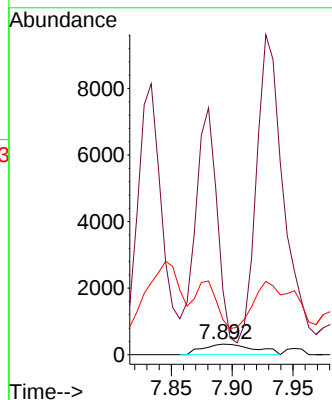
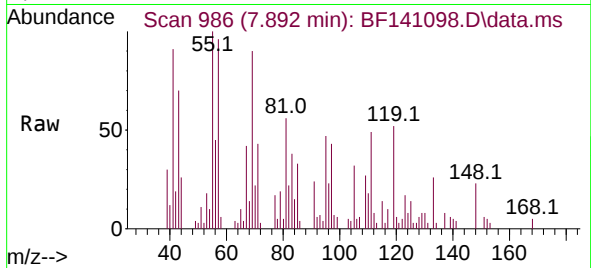




#32
Benzoic acid
Concen: 7.836 ng
RT: 7.892 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

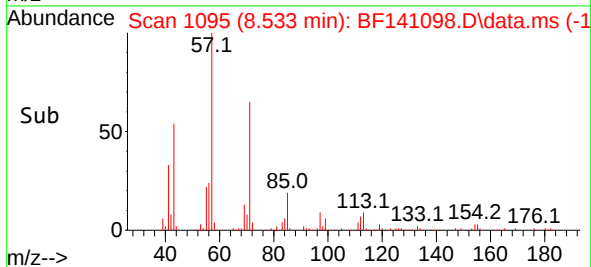
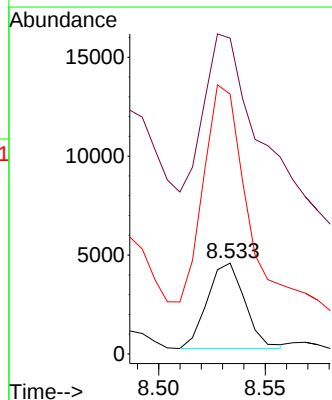
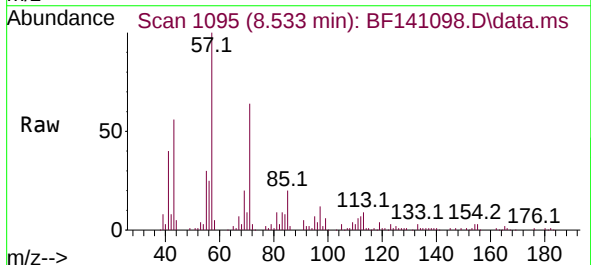
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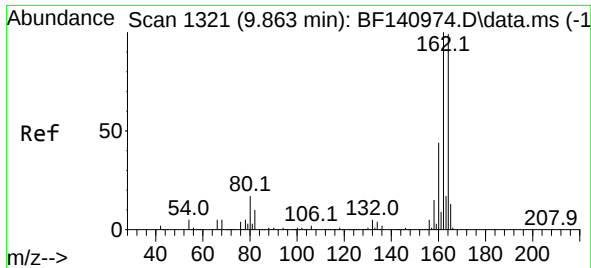
Tgt Ion:122 Resp: 935
Ion Ratio Lower Upper
122 100
105 611.7 105.4 145.4#
77 332.2 76.4 116.4#



#35
Caprolactam
Concen: 2.065 ng
RT: 8.533 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:113 Resp: 5309
Ion Ratio Lower Upper
113 100
55 347.3 156.6 196.6#
56 285.7 111.7 151.7#

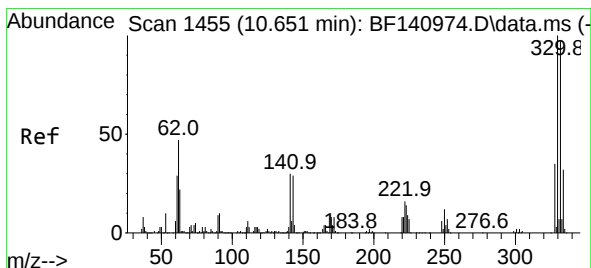
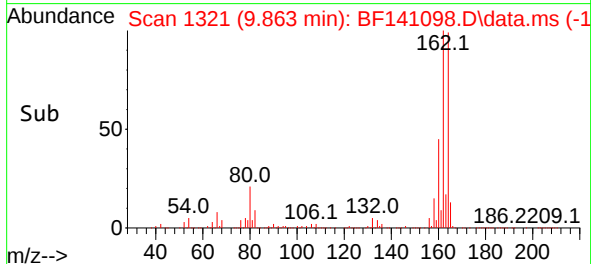
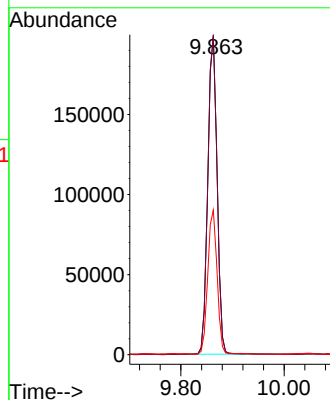
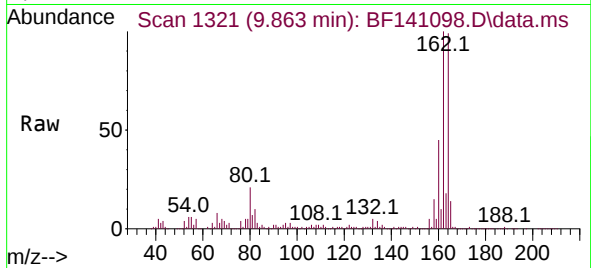




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

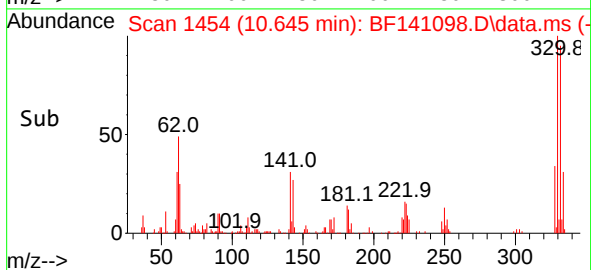
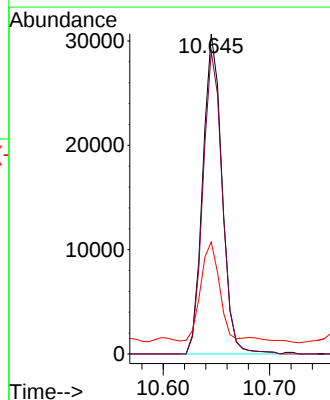
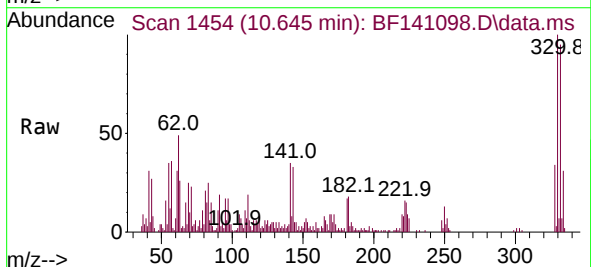
Instrument :
BNA_F
ClientSampleId :
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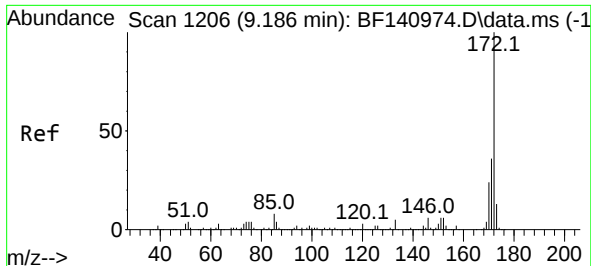
Tgt Ion:164 Resp: 247279
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 16.039 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:330 Resp: 38539
Ion Ratio Lower Upper
330 100
332 95.4 78.0 117.0
141 30.2 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 11.453 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

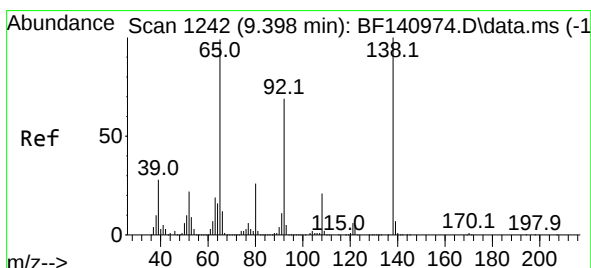
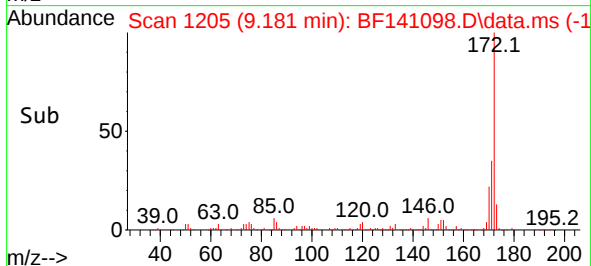
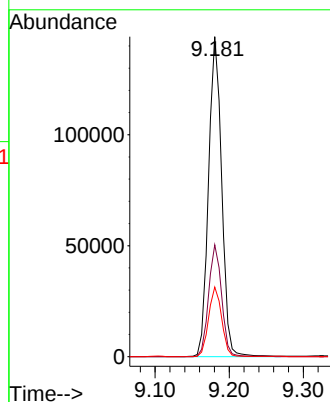
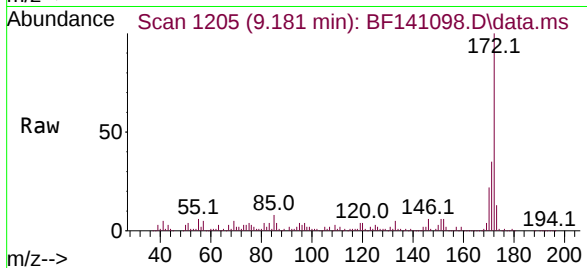
Tgt Ion:172 Resp: 177751

Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.4

170 21.7 19.6 29.4



#48

2-Nitroaniline

Concen: 4.691 ng

RT: 9.410 min Scan# 1244

Delta R.T. 0.012 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

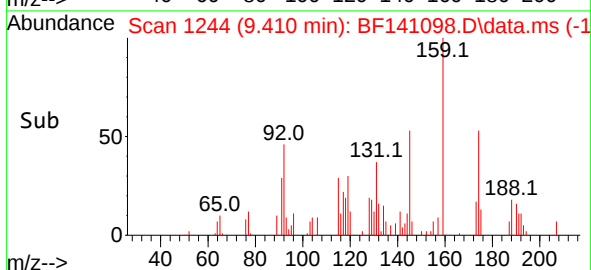
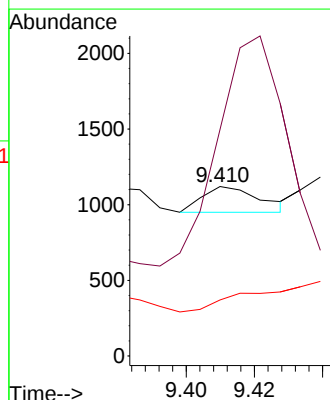
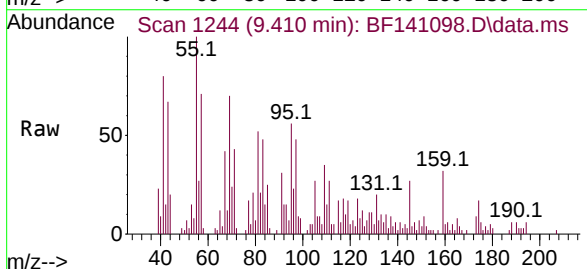
Tgt Ion: 65 Resp: 199

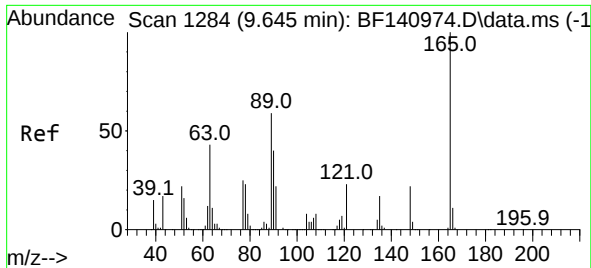
Ion Ratio Lower Upper

65 100

92 133.8 55.6 83.4#

138 33.1 80.5 120.7#

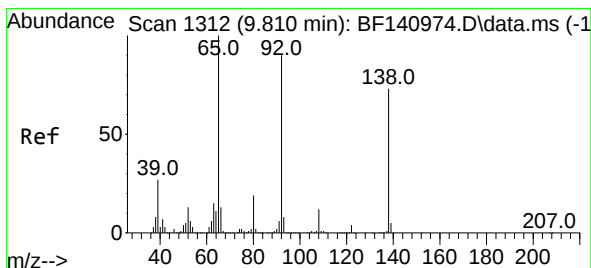
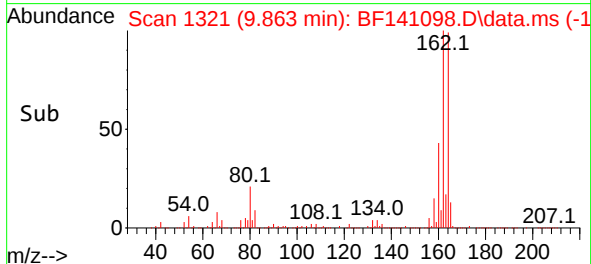
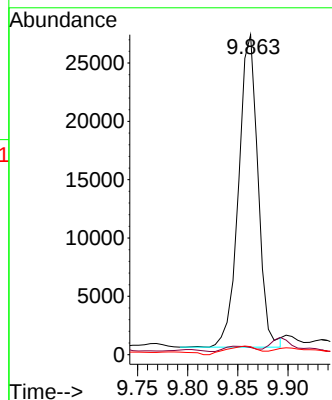
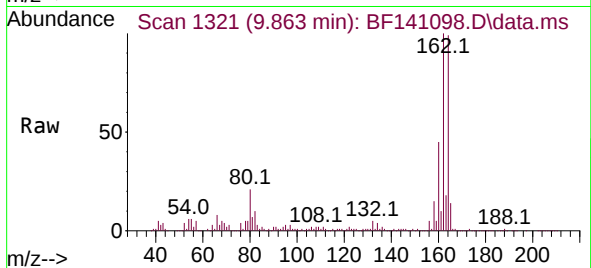




#51
2,6-Dinitrotoluene
Concen: 13.688 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

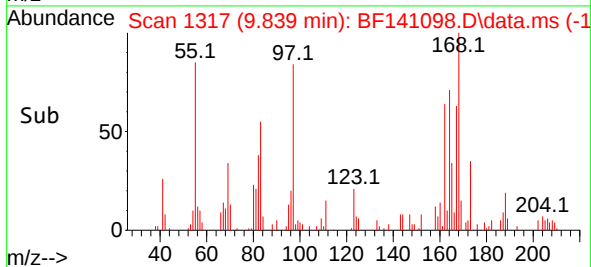
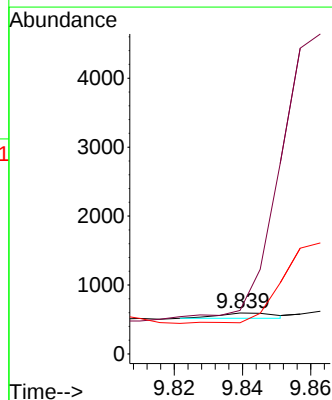
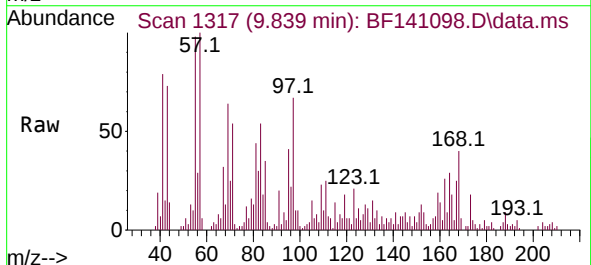
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

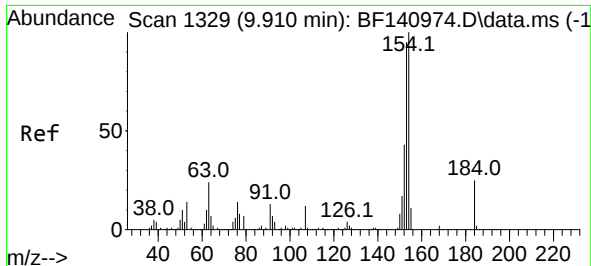
Tgt Ion:165 Resp: 36025
Ion Ratio Lower Upper
165 100
63 2.2 47.1 70.7#
89 2.5 47.0 70.4#



#53
3-Nitroaniline
Concen: 3.287 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.029 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:138 Resp: 84
Ion Ratio Lower Upper
138 100
108 106.2 13.5 20.3#
92 76.4 97.7 146.5#

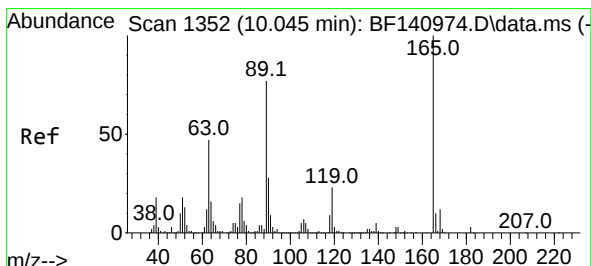
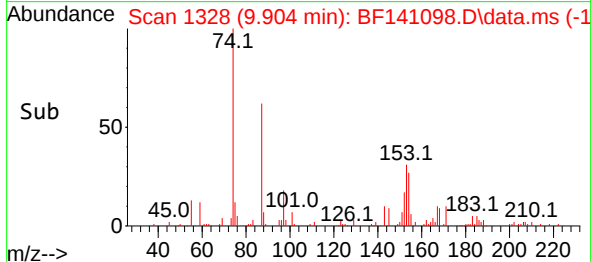
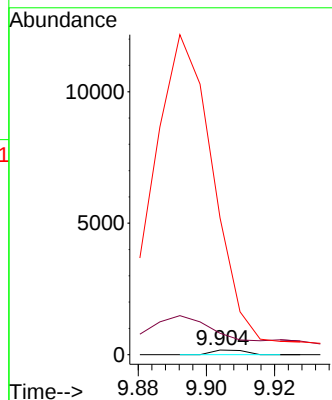
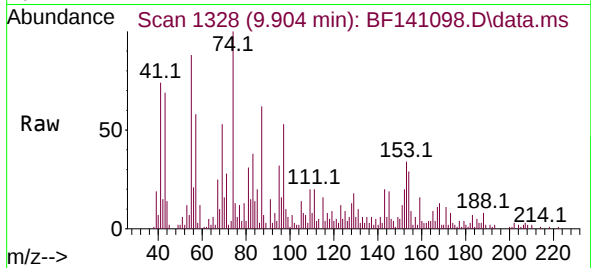




#54
2,4-Dinitrophenol
Concen: 6.320 ng
RT: 9.904 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

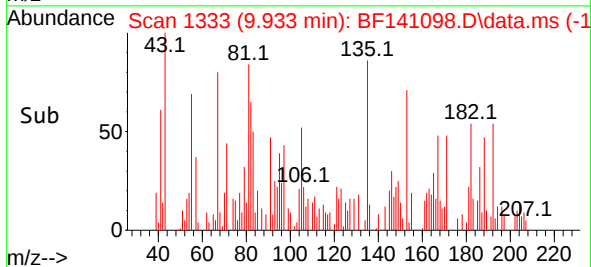
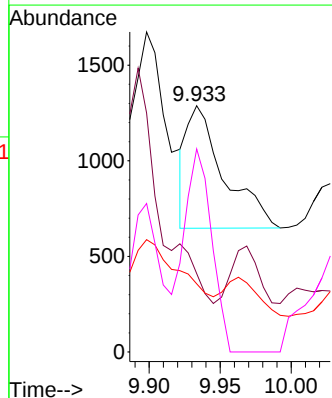
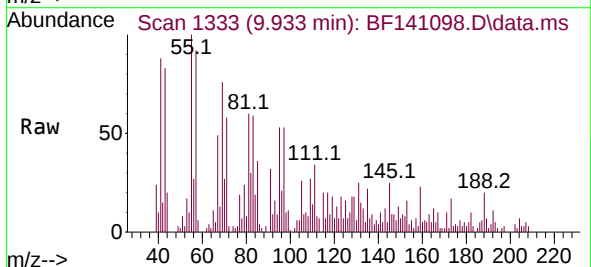
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

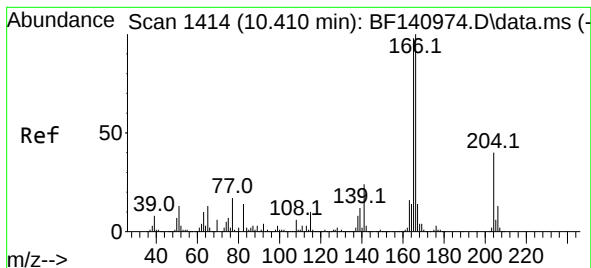
Tgt Ion:184 Resp: 118
Ion Ratio Lower Upper
184 100
63 469.0 81.6 122.4#
154 2990.8 363.5 545.3#



#57
2,4-Dinitrotoluene
Concen: 4.760 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.112 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:165 Resp: 1166
Ion Ratio Lower Upper
165 100
63 31.8 38.1 57.1#
89 27.7 61.4 92.2#
182 82.5 2.1 3.1#





#58

Fluorene

Concen: 2.410 ng

RT: 10.410 min Scan# 1414

Delta R.T. -0.000 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

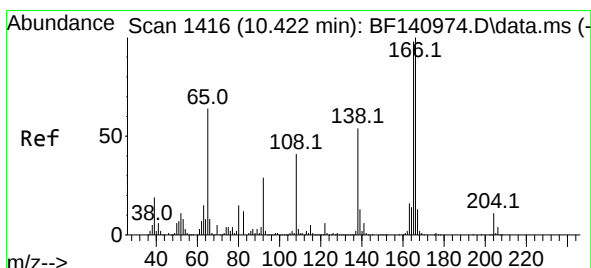
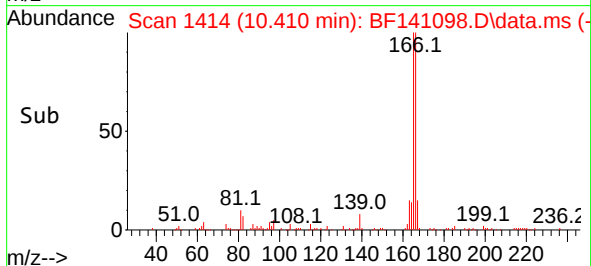
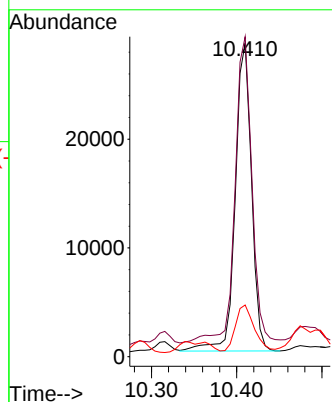
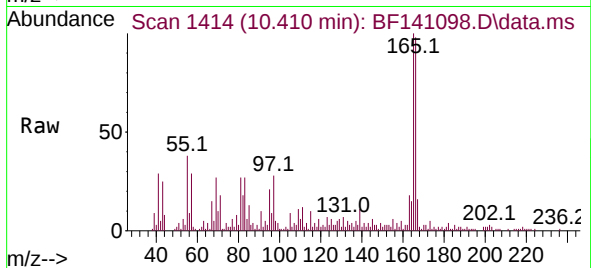
Tgt Ion:166 Resp: 37527

Ion Ratio Lower Upper

166 100

165 102.1 78.3 117.5

167 16.5 10.9 16.3#



#62

4-Nitroaniline

Concen: 3.436 ng

RT: 10.610 min Scan# 1448

Delta R.T. 0.188 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

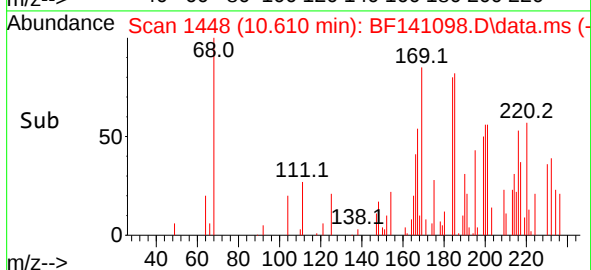
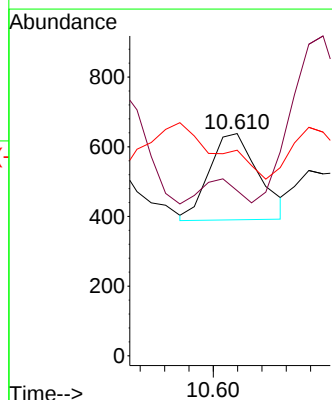
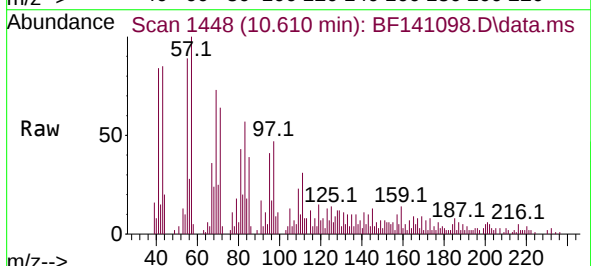
Tgt Ion:138 Resp: 349

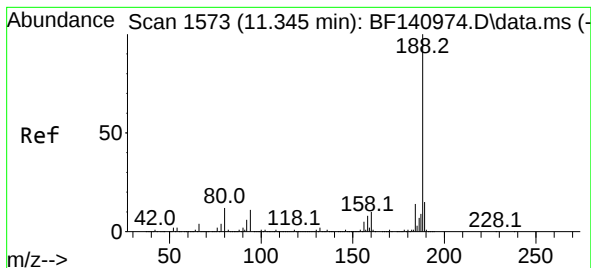
Ion Ratio Lower Upper

138 100

92 74.3 34.8 74.8

108 92.5 55.9 95.9

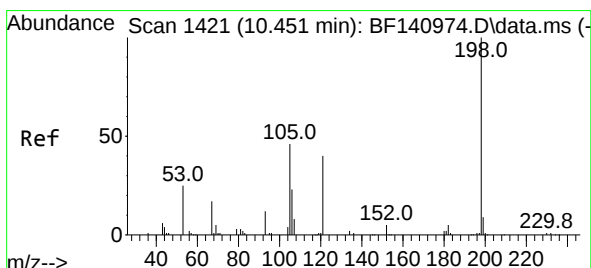
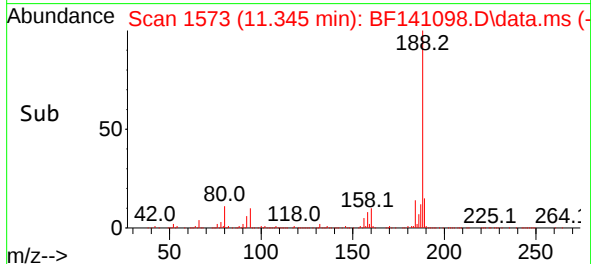
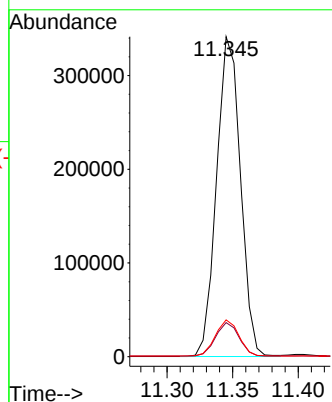
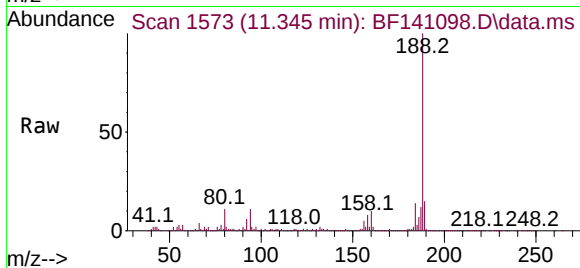




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

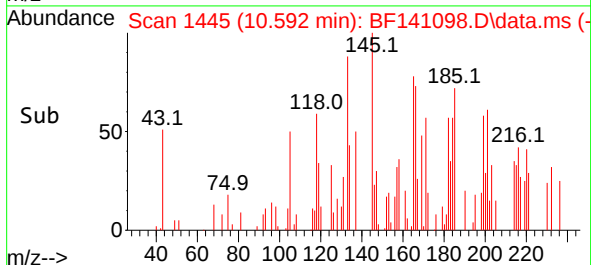
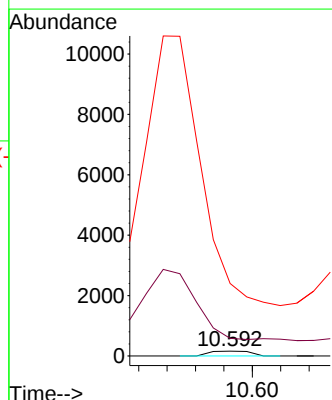
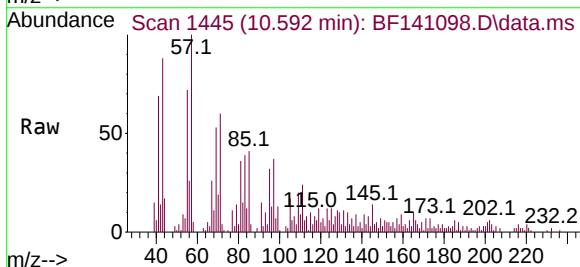
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

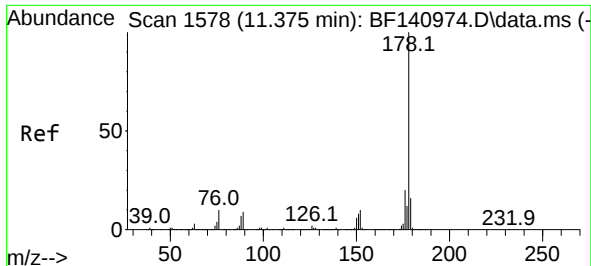
Tgt Ion:188 Resp: 431853
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.5 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 9.419 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.141 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:198 Resp: 162
Ion Ratio Lower Upper
198 100
51 366.7 32.3 72.3#
105 1509.4 28.4 68.4#

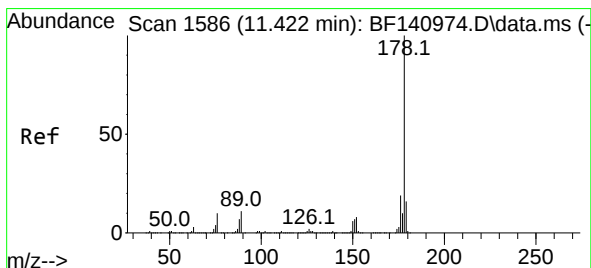
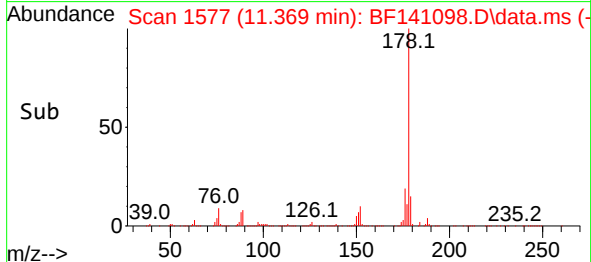
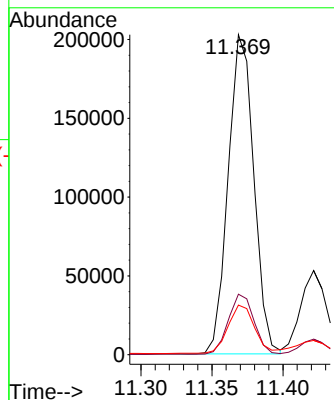
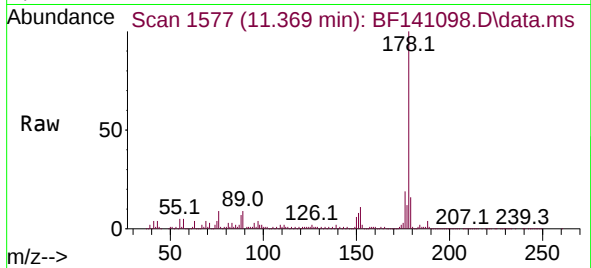




#71
Phenanthrene
Concen: 11.168 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

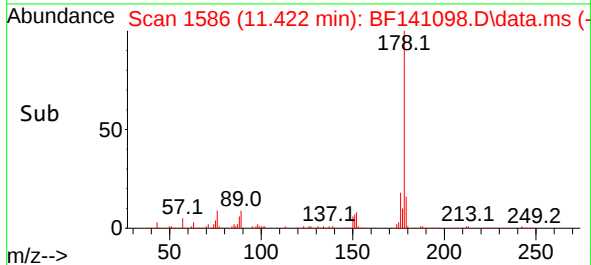
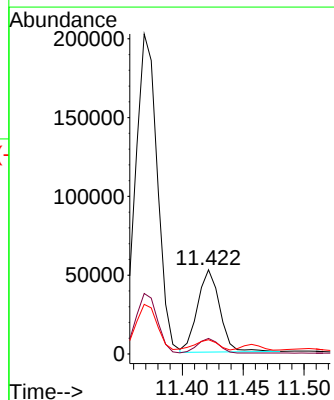
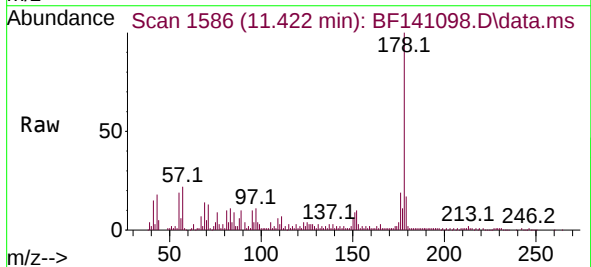
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

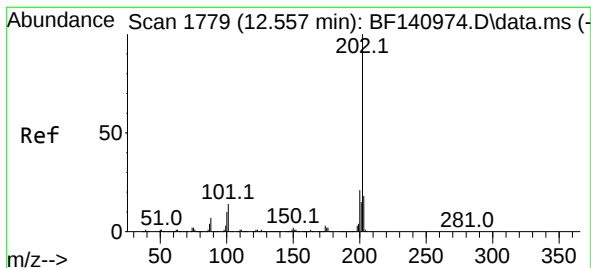
Tgt Ion:178 Resp: 253827
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.5 12.6 19.0



#72
Anthracene
Concen: 2.985 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:178 Resp: 66478
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 17.0 12.9 19.3





#75

Fluoranthene

Concen: 10.046 ng

RT: 12.563 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

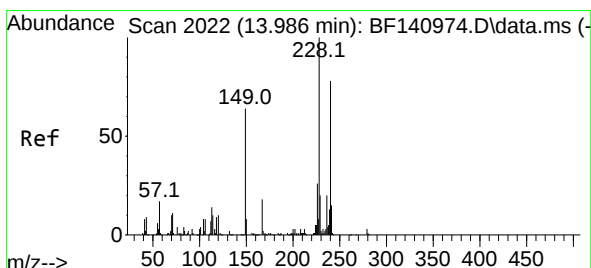
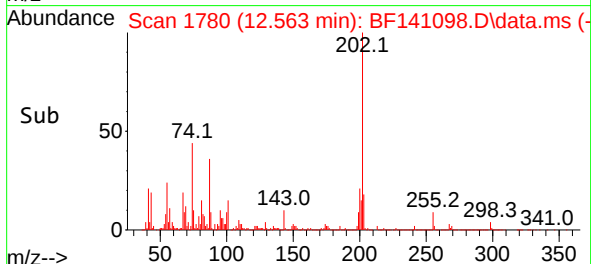
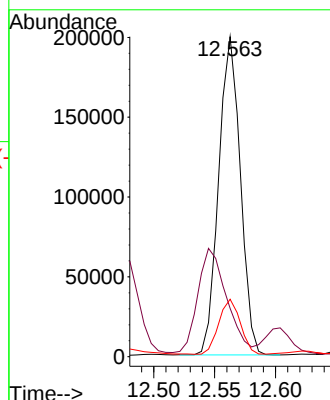
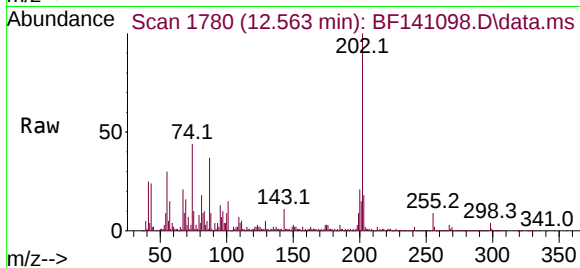
Tgt Ion:202 Resp: 247631

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.7

203 18.0 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

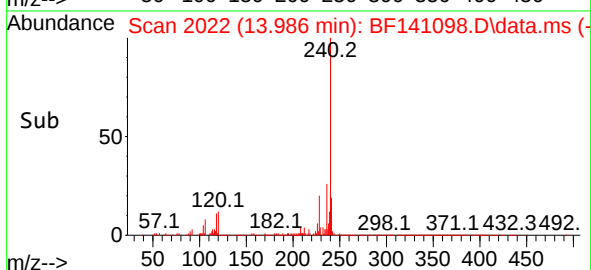
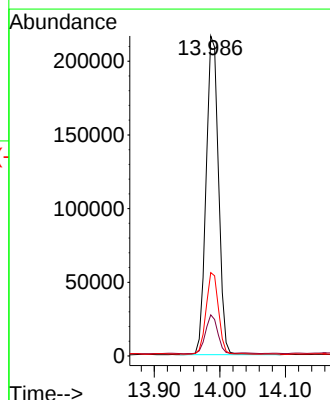
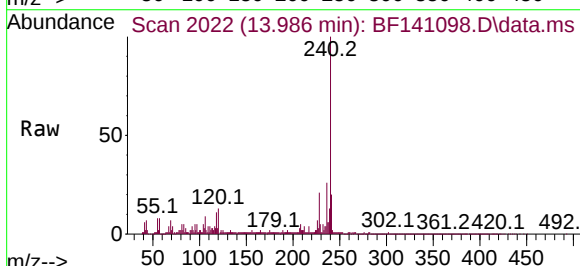
Tgt Ion:240 Resp: 285069

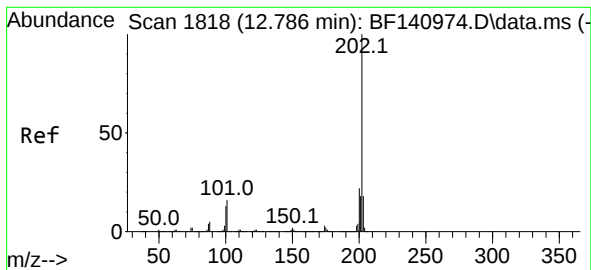
Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

236 26.0 20.6 31.0





#78

Pyrene

Concen: 8.452 ng

RT: 12.792 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

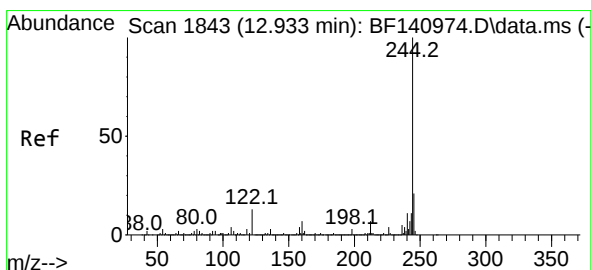
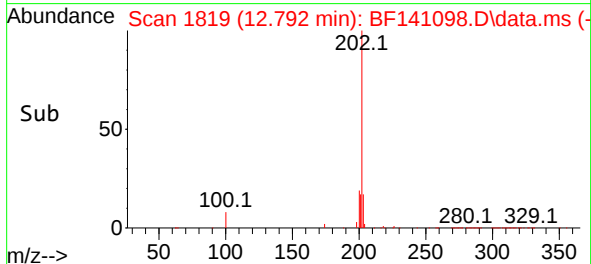
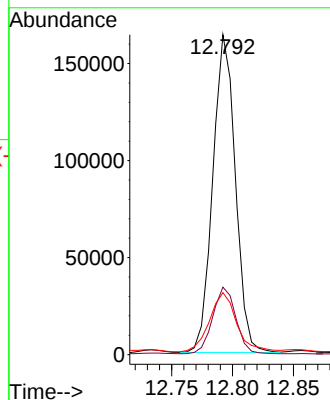
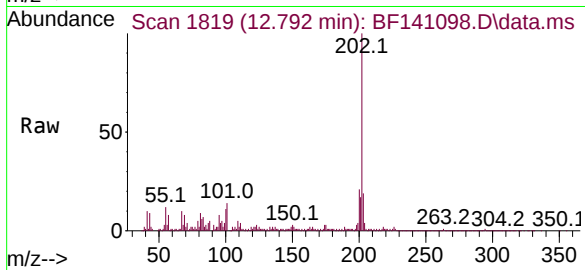
Tgt Ion:202 Resp: 210714

Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 19.4 14.6 21.8



#79

Terphenyl-d14

Concen: 11.924 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

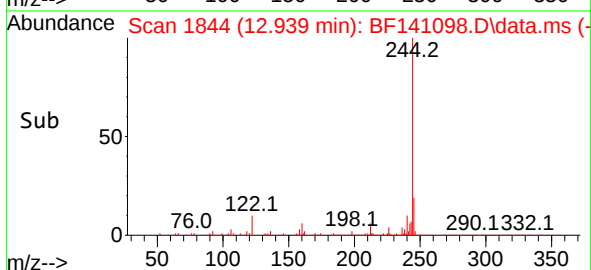
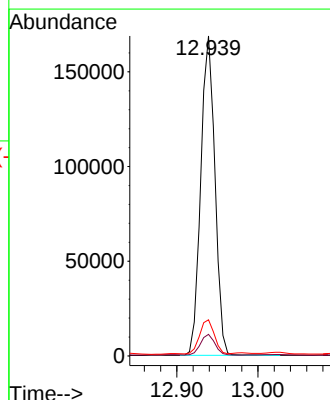
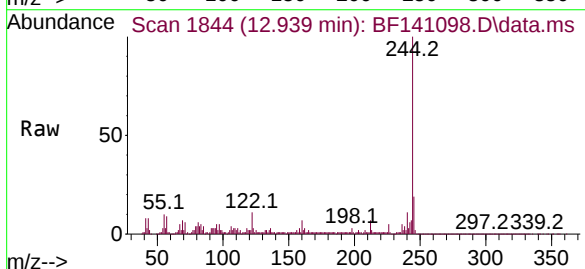
Tgt Ion:244 Resp: 204652

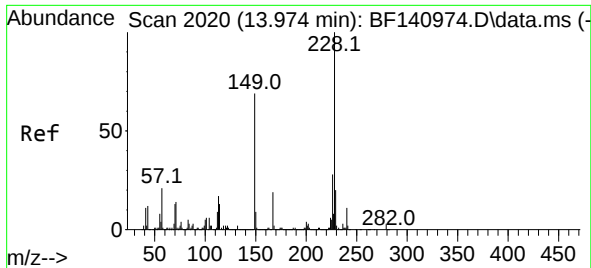
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.3 10.2 15.2

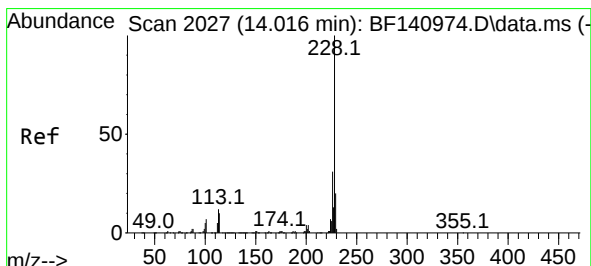
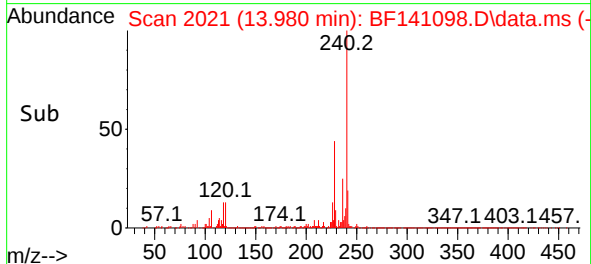
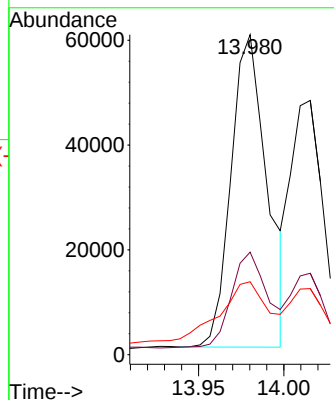
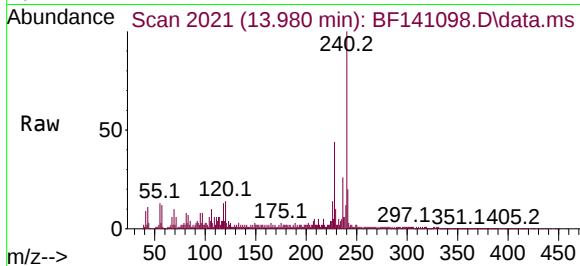




#81
Benzo(a)anthracene
Concen: 4.401 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

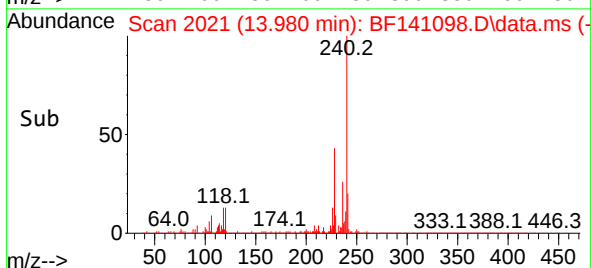
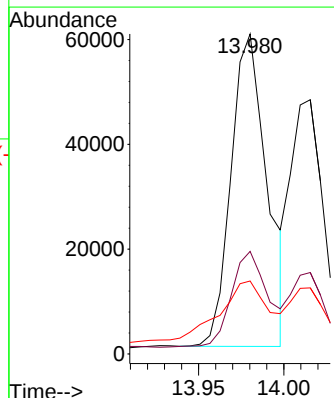
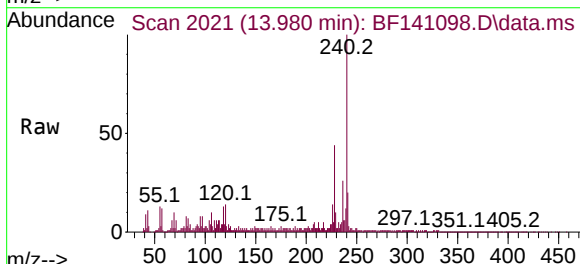
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

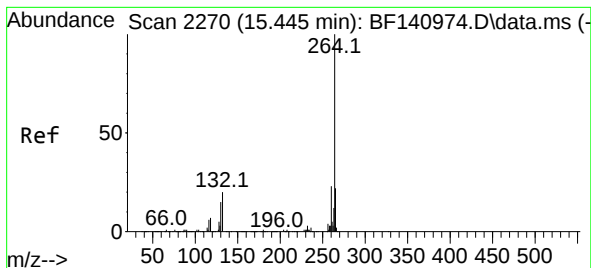
Tgt Ion:228 Resp: 87432
Ion Ratio Lower Upper
228 100
226 32.0 22.1 33.1
229 22.8 16.2 24.2



#83
Chrysene
Concen: 4.882 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.035 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:228 Resp: 87432
Ion Ratio Lower Upper
228 100
226 32.0 24.5 36.7
229 22.8 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

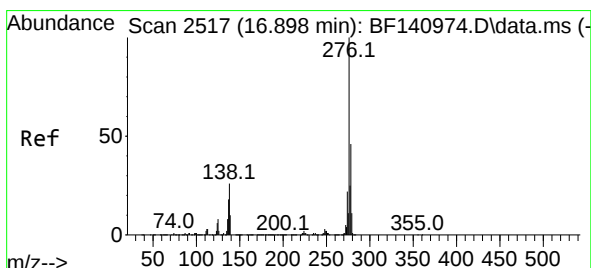
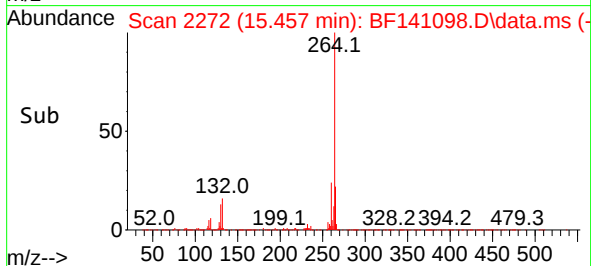
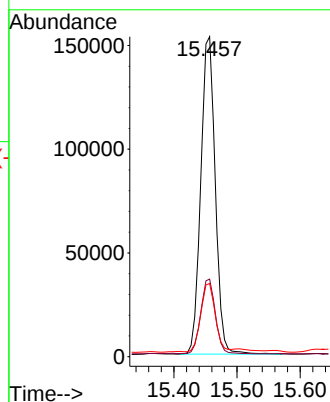
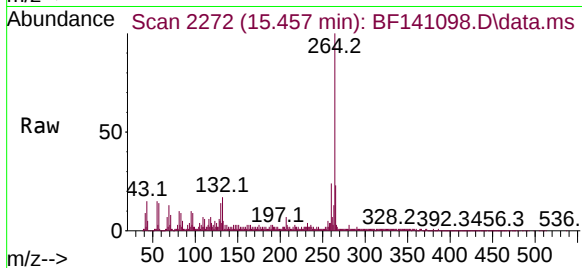
Tgt Ion:264 Resp: 244593

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

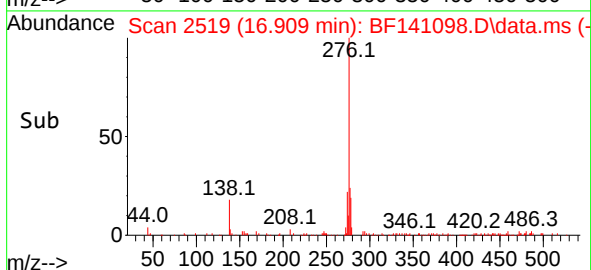
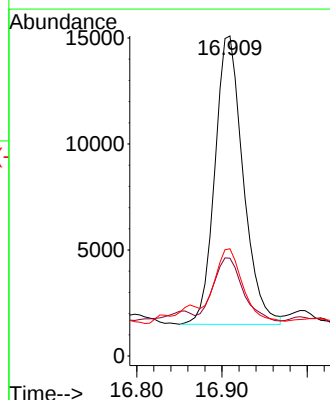
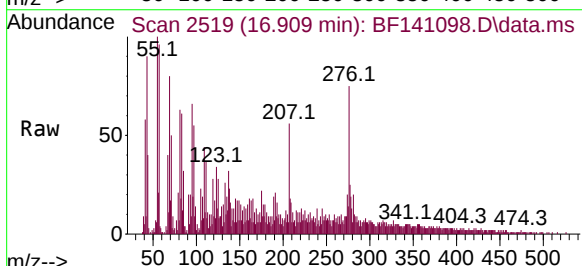
Tgt Ion:276 Resp: 31496

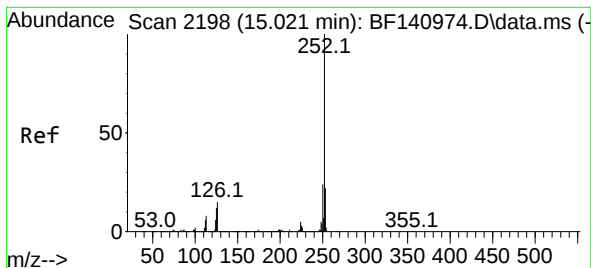
Ion Ratio Lower Upper

276 100

138 22.7 23.1 34.7#

277 24.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.042 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

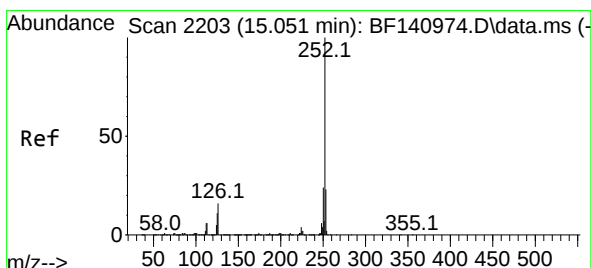
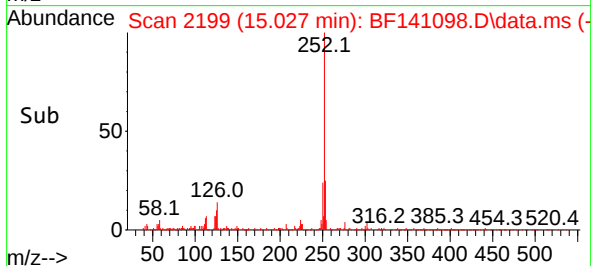
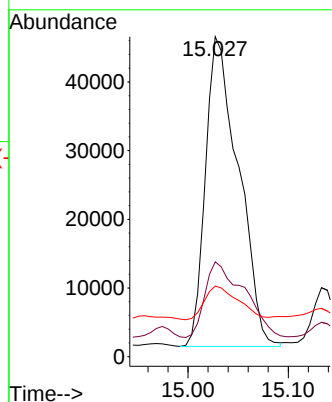
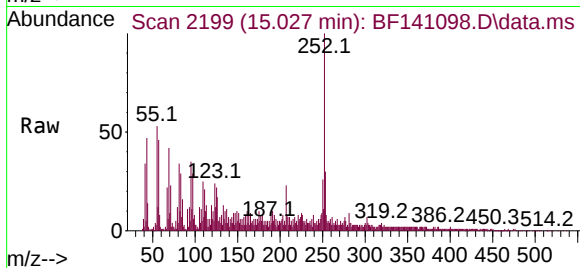
Tgt Ion:252 Resp: 103063

Ion Ratio Lower Upper

252 100

253 29.6 17.7 26.5#

125 22.0 9.3 13.9#



#89

Benzo(k)fluoranthene

Concen: 7.708 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

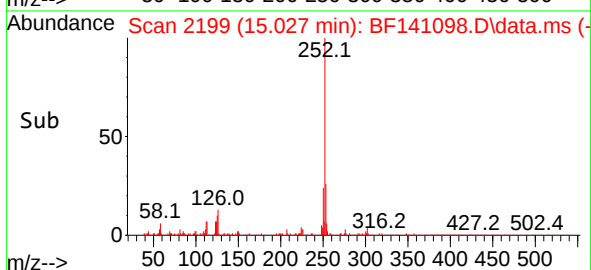
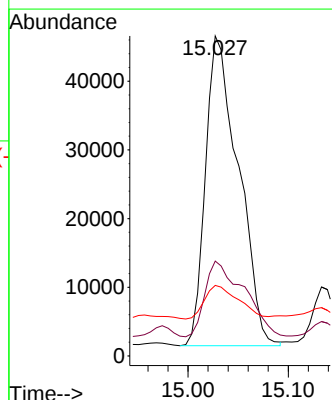
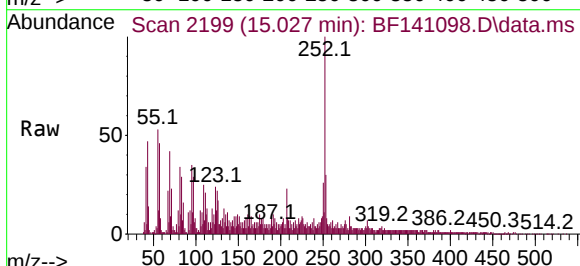
Tgt Ion:252 Resp: 103063

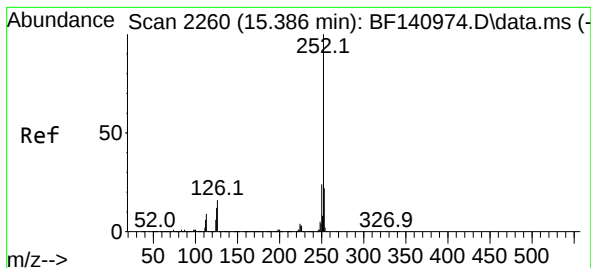
Ion Ratio Lower Upper

252 100

253 29.6 17.8 26.8#

125 22.0 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 4.309 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

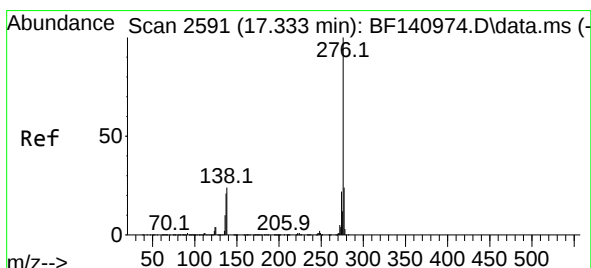
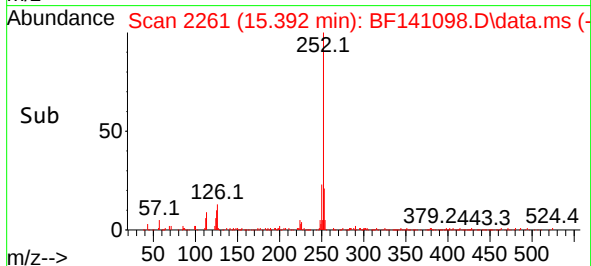
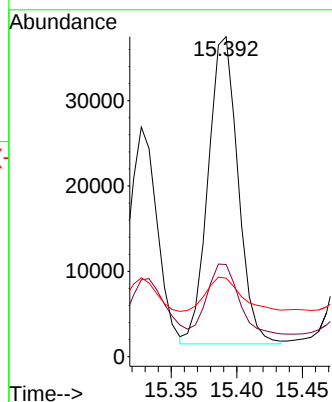
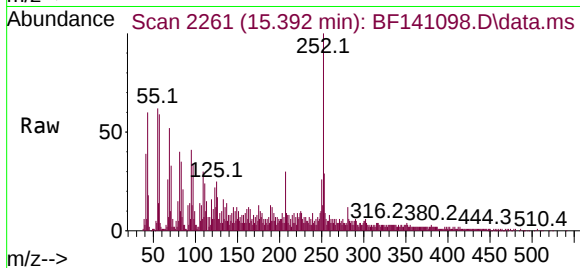
Instrument :

BNA_F

ClientSampleId :

EO-03-010725

Tgt Ion:	252	Resp:	57055
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.2	25.8#
125	24.5	9.8	14.8#



#92

Benzo(g,h,i)perylene

Concen: 2.579 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Tgt Ion:	276	Resp:	33417
Ion Ratio	Lower	Upper	
276	100		
277	33.9	19.0	28.4#
138	29.3	19.4	29.2#

