

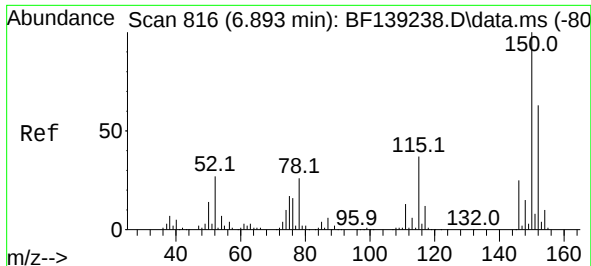
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139332.D
 Acq On : 11 Sep 2024 18:12
 Operator : RC/JU
 Sample : P3929-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Quant Time: Sep 12 05:14:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63238	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	236194	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	193238	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	276297	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	187453	20.000	ng	-0.01
86) Perylene-d12	15.515	264	151491	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	448096	118.537	ng	0.00
7) Phenol-d6	6.510	99	596134	118.128	ng	0.00
23) Nitrobenzene-d5	7.445	82	402152	88.576	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	186029	111.485	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	738896	59.025	ng	-0.01
79) Terphenyl-d14	12.992	244	750722	64.662	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	57708	19.855	ng	# 75
25) Isophorone	7.445	82	402148	51.808	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	24195	9.106	ng	# 18
57) 2,4-Dinitrotoluene	9.916	165	24195	7.154	ng	# 18
63) Azobenzene	10.633	77	41292	3.399	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	13483	5.030	ng	# 1
71) Phenanthrene	11.427	178	31705	2.456	ng	98
72) Anthracene	11.480	178	28704	2.277	ng	99
75) Fluoranthene	12.616	202	214182	16.552	ng	98
77) Benzidine	12.992	184	10658	2.824	ng	# 91
78) Pyrene	12.845	202	129937	7.176	ng	99
81) Benzo(a)anthracene	14.033	228	60104	5.021	ng	98
83) Chrysene	14.068	228	77707	6.956	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	35117	7.019	ng	97
88) Benzo(b)fluoranthene	15.080	252	50373	5.774	ng	# 93
89) Benzo(k)fluoranthene	15.080	252	50373	6.440	ng	# 92
90) Benzo(a)pyrene	15.445	252	19608	2.647	ng	# 97

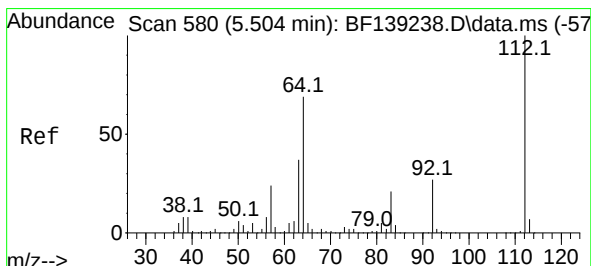
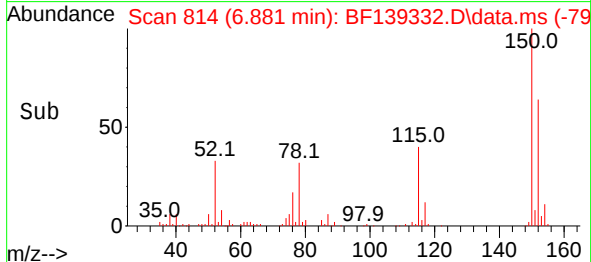
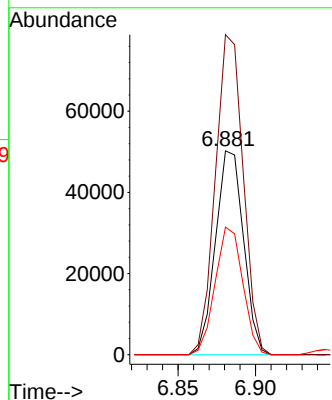
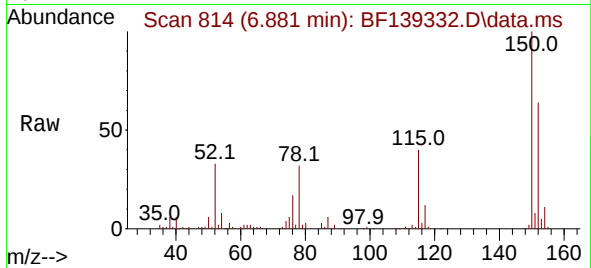
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

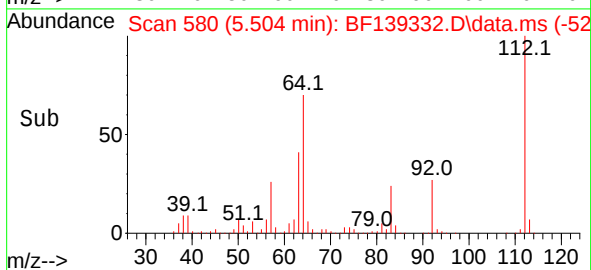
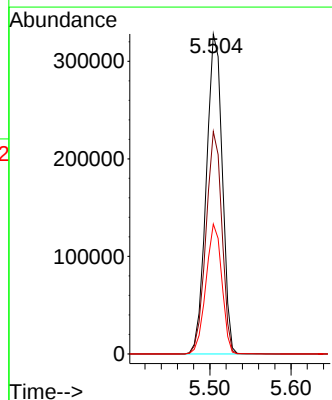
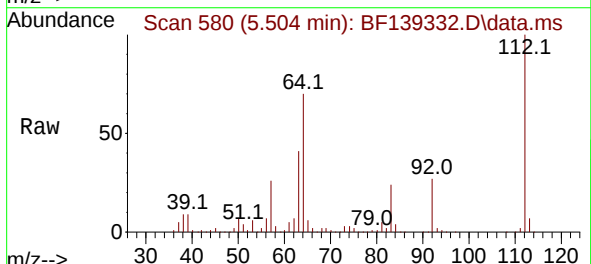
Instrument :
BNA_F
ClientSampleId :
72-11930

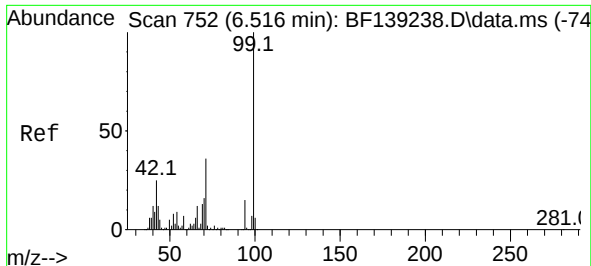
Tgt Ion:152 Resp: 63238
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.4
115 62.5 46.9 70.3



#5
2-Fluorophenol
Concen: 118.537 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

Tgt Ion:112 Resp: 448096
Ion Ratio Lower Upper
112 100
64 69.5 55.0 82.4
63 40.6 29.9 44.9

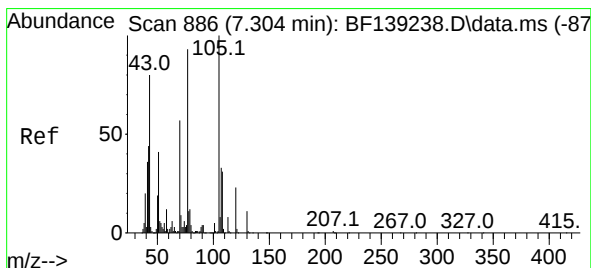
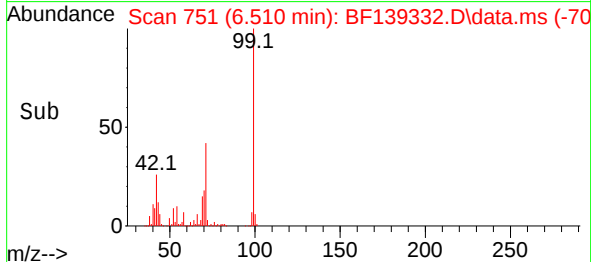
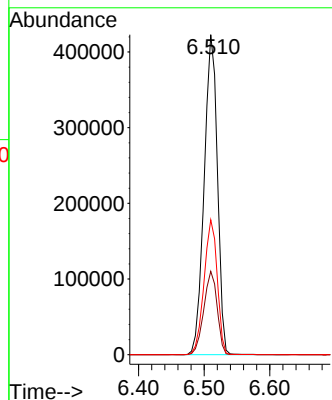
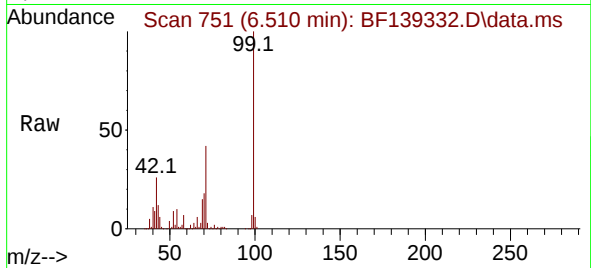




#7
Phenol-d6
Concen: 118.128 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

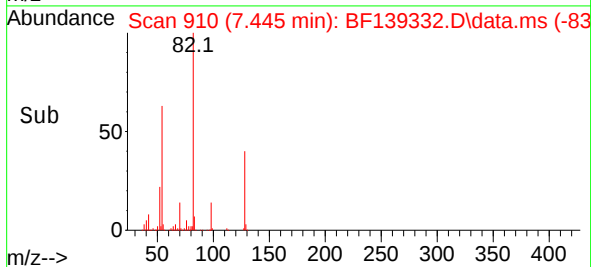
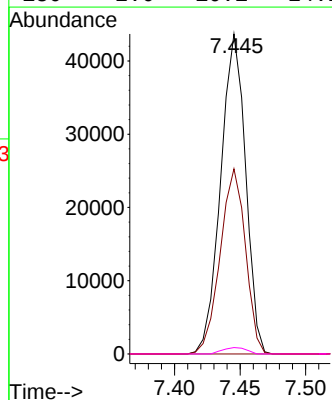
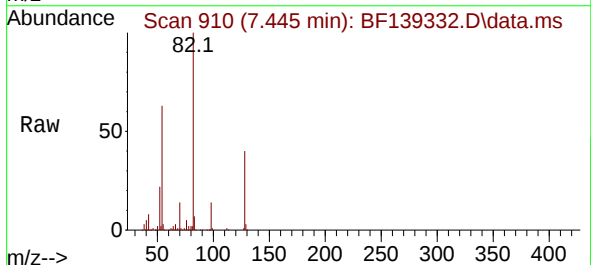
Instrument :
BNA_F
ClientSampleId :
72-11930

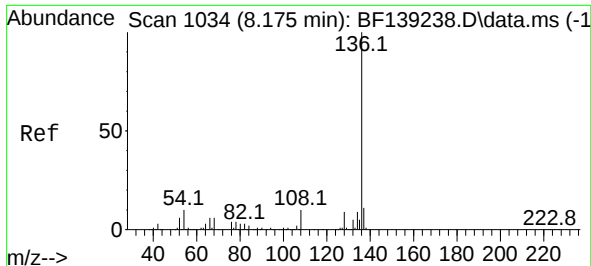
Tgt Ion: 99 Resp: 596134
Ion Ratio Lower Upper
99 100
42 26.0 19.8 29.6
71 42.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.855 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

Tgt Ion: 70 Resp: 57708
Ion Ratio Lower Upper
70 100
42 57.8 61.0 91.6#
101 0.0 7.2 10.8#
130 2.0 16.1 24.1#

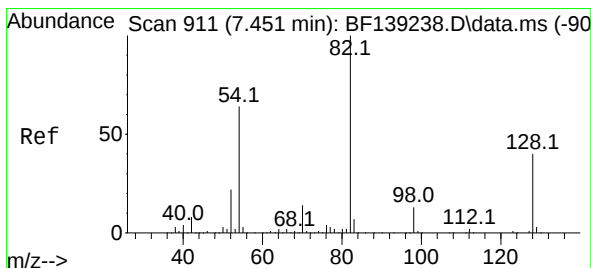
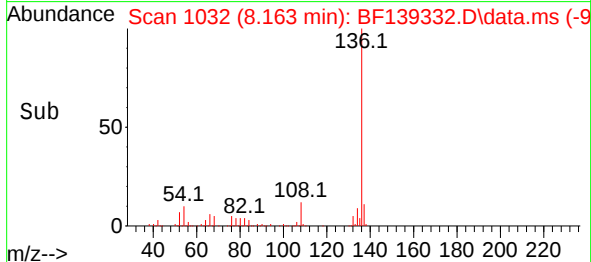
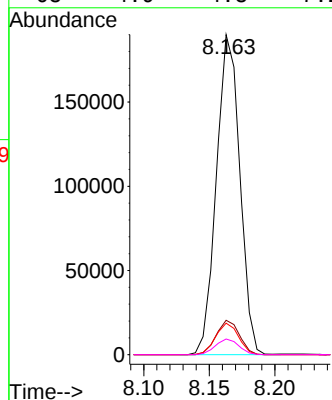
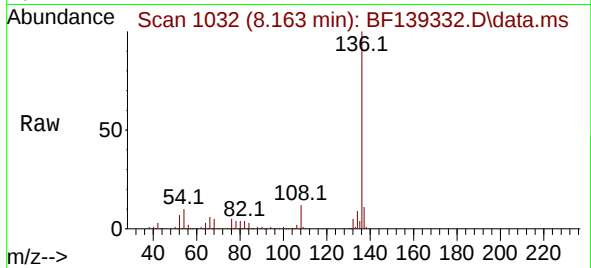




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

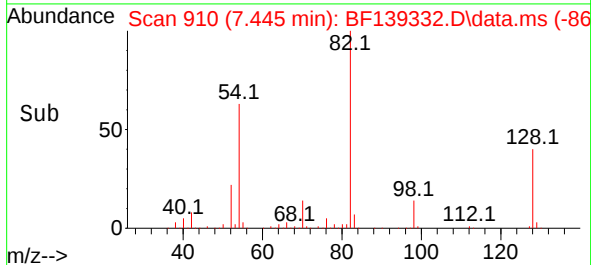
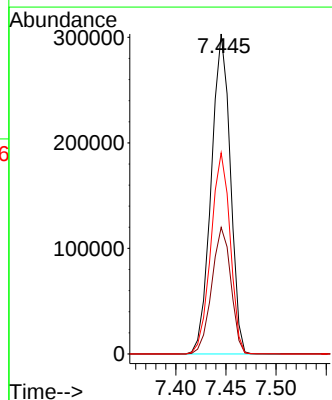
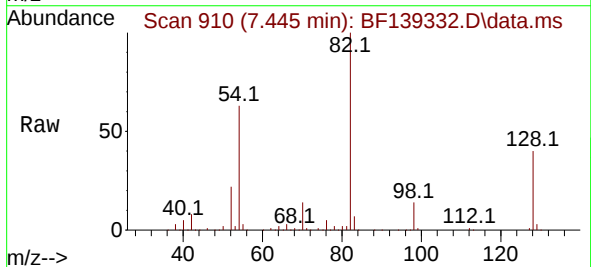
Instrument :
BNA_F
ClientSampleId :
72-11930

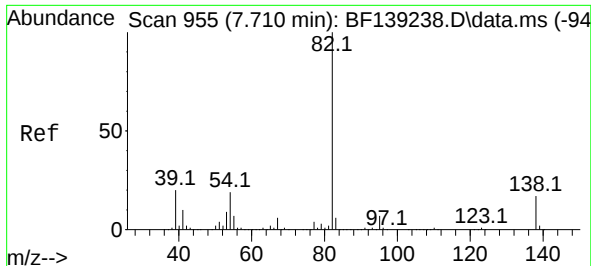
Tgt Ion:136	Resp:	236194
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 13.0
54	9.9	8.4 12.6
68	4.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 88.576 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

Tgt Ion: 82	Resp:	402152
Ion Ratio	Lower	Upper
82	100	
128	39.5	32.3 48.5
54	62.9	51.2 76.8

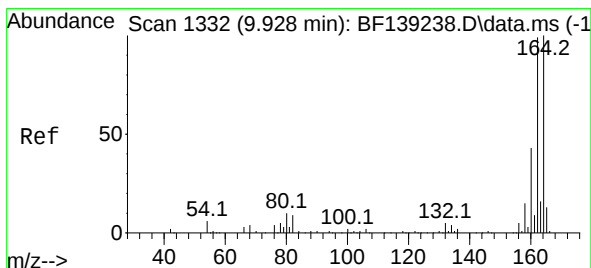
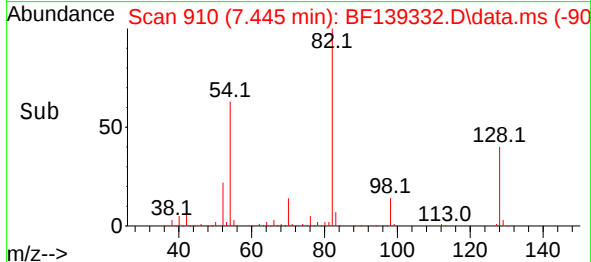
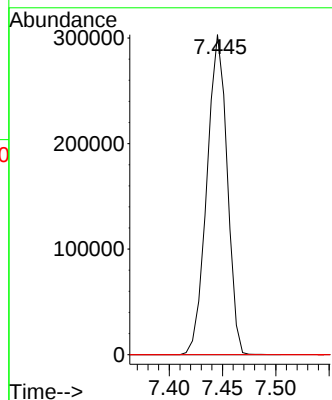
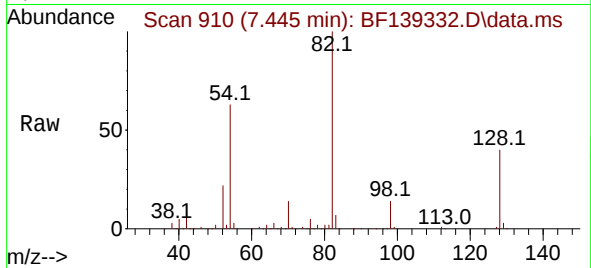




#25
Isophorone
Concen: 51.808 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

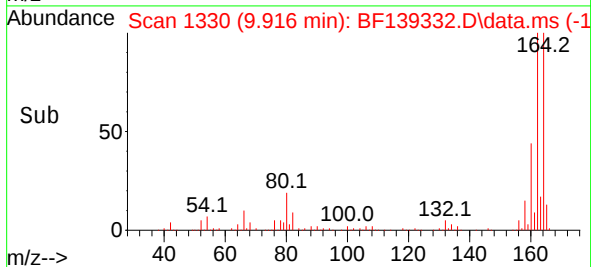
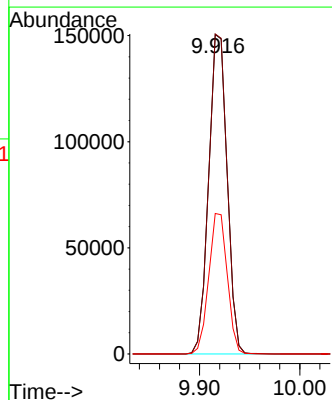
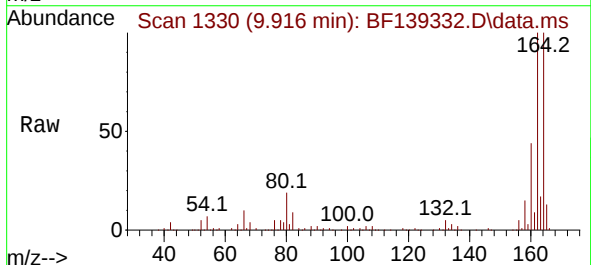
Instrument :
BNA_F
ClientSampleId :
72-11930

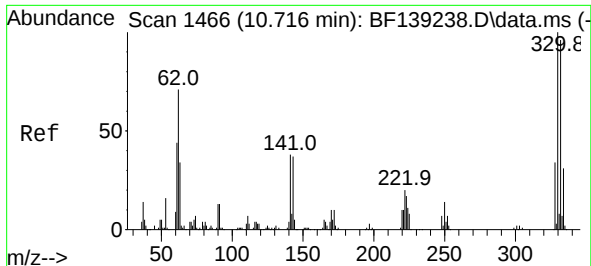
Tgt Ion: 82 Resp: 402148
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

Tgt Ion:164 Resp: 193238
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 111.485 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139332.D

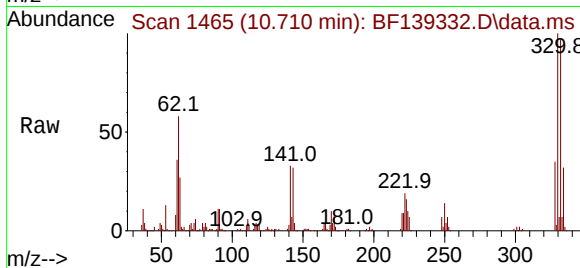
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Instrument :

BNA_F

ClientSampleId :

72-11930



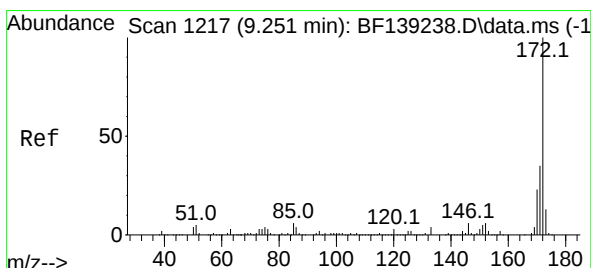
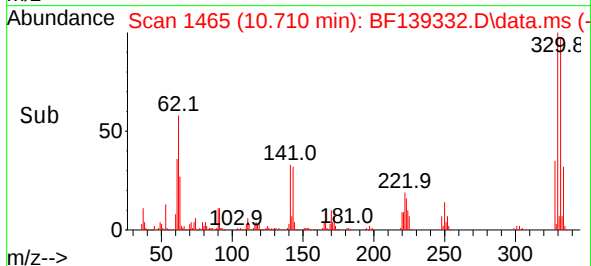
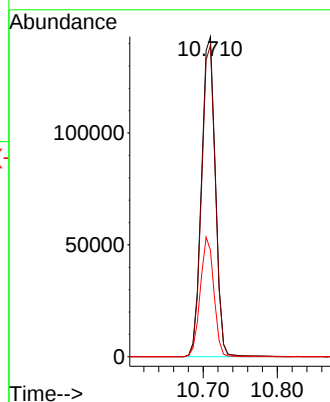
Tgt Ion:330 Resp: 186029

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

141 36.3 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 59.025 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

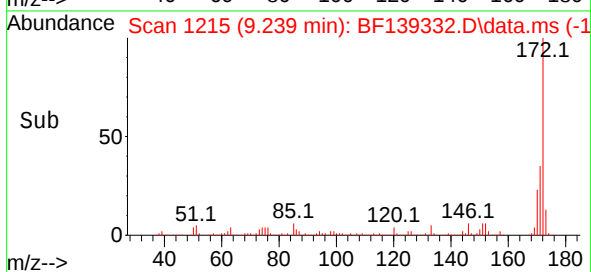
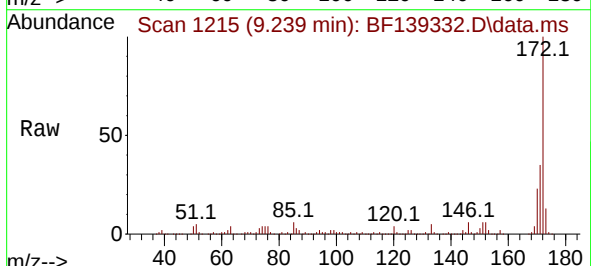
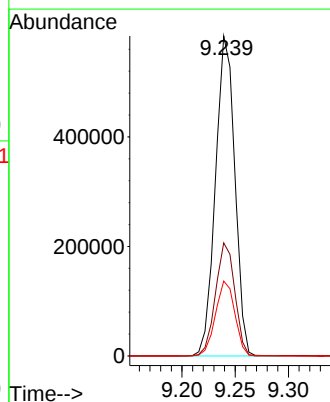
Tgt Ion:172 Resp: 738896

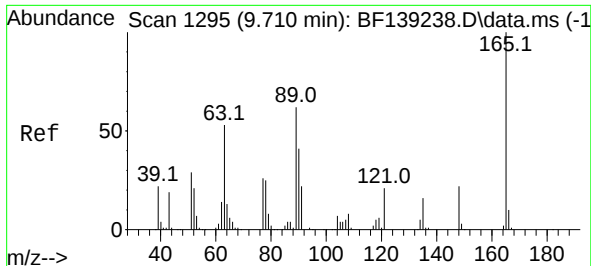
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.4 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.106 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

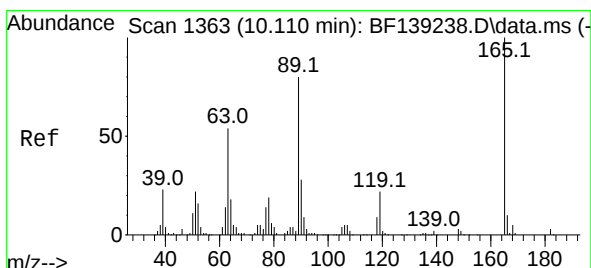
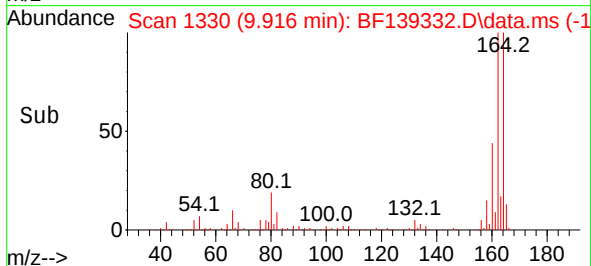
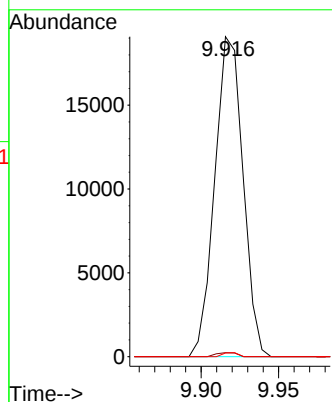
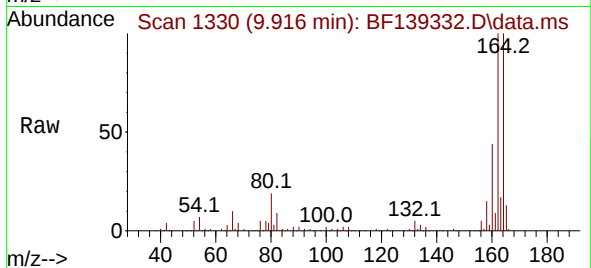
Tgt Ion:165 Resp: 24195

Ion Ratio Lower Upper

165 100

63 1.3 56.1 84.1#

89 1.2 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.154 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Tgt Ion:165 Resp: 24195

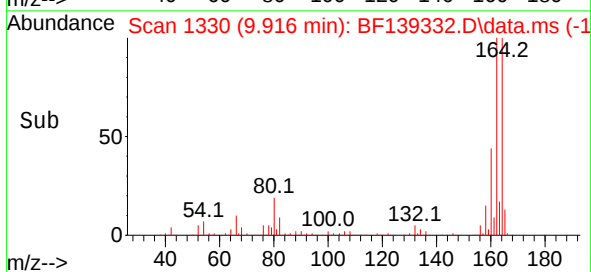
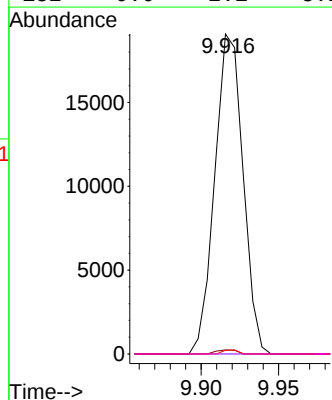
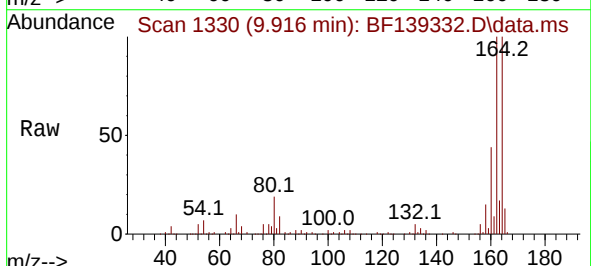
Ion Ratio Lower Upper

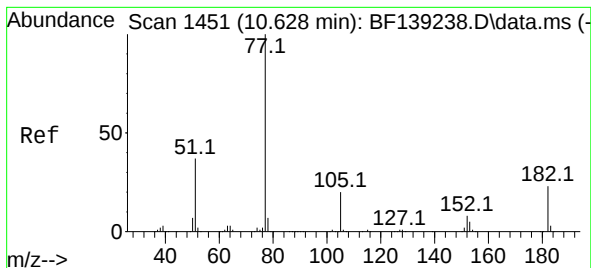
165 100

63 1.3 43.4 65.0#

89 1.2 64.2 96.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.399 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 77 Resp: 41292

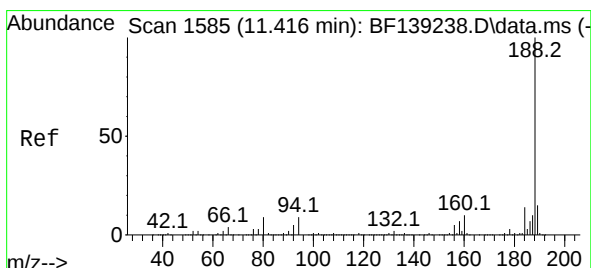
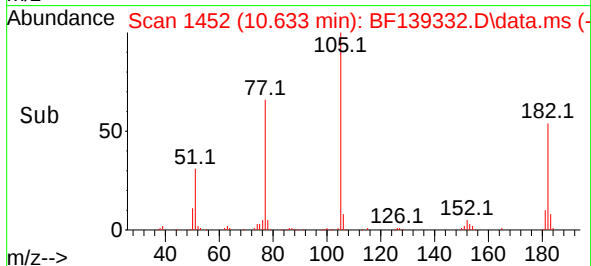
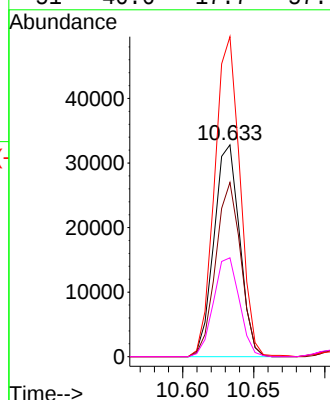
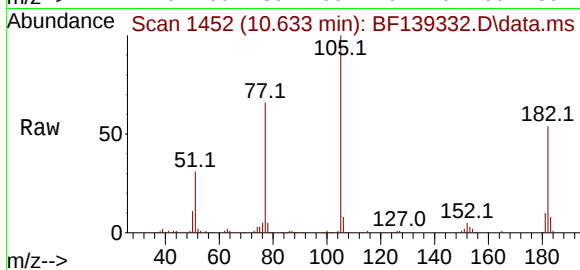
Ion Ratio Lower Upper

77 100

182 82.2 3.0 43.0#

105 151.0 0.0 39.4#

51 46.6 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

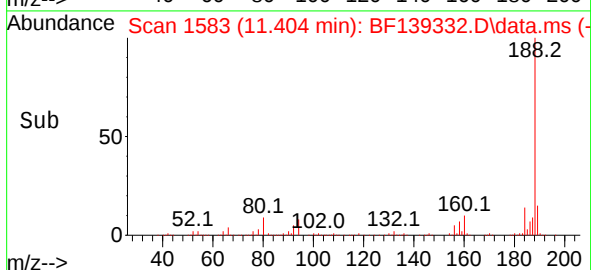
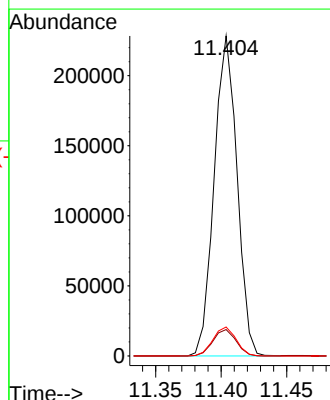
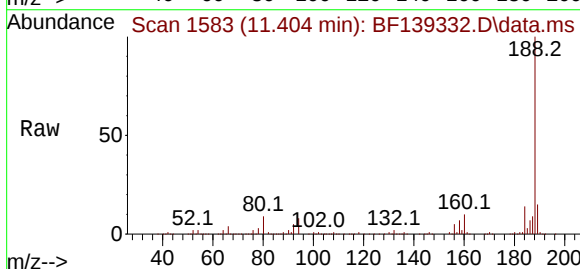
Tgt Ion: 188 Resp: 276297

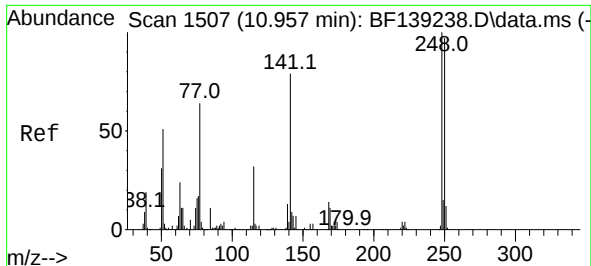
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

80 9.1 7.3 10.9





#67

4-Bromophenyl-phenylether

Concen: 5.030 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

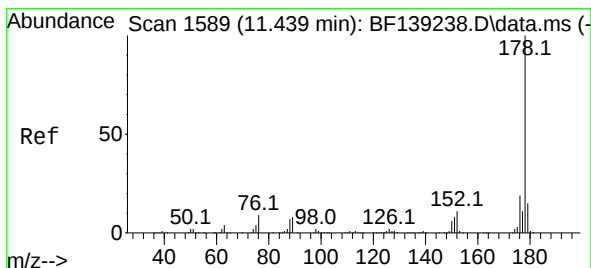
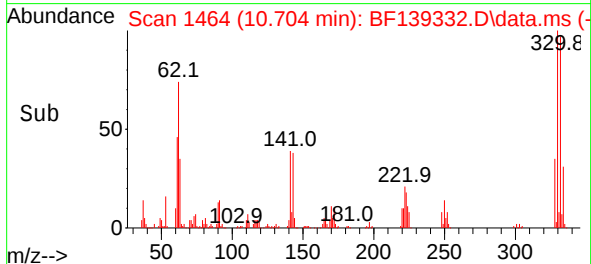
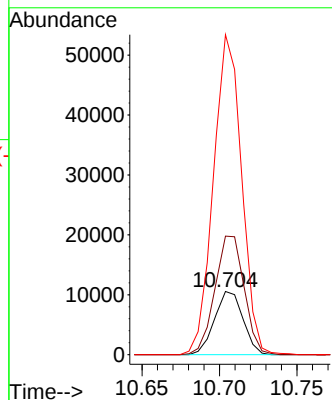
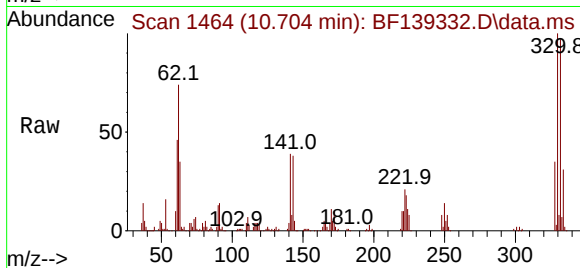
Tgt Ion:248 Resp: 13483

Ion Ratio Lower Upper

248 100

250 187.5 77.2 115.8#

141 505.8 63.6 95.4#



#71

Phenanthrene

Concen: 2.456 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

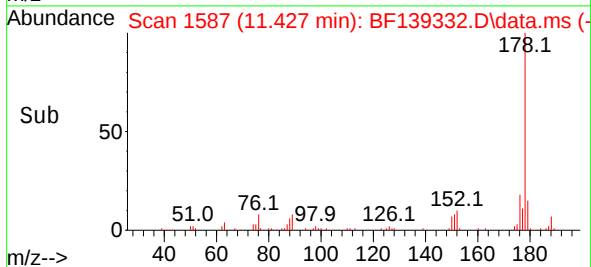
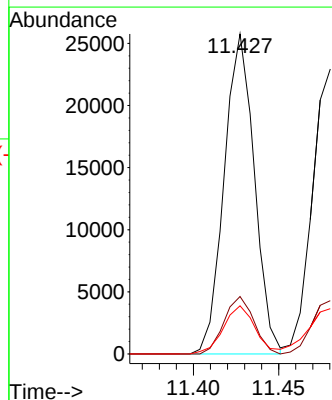
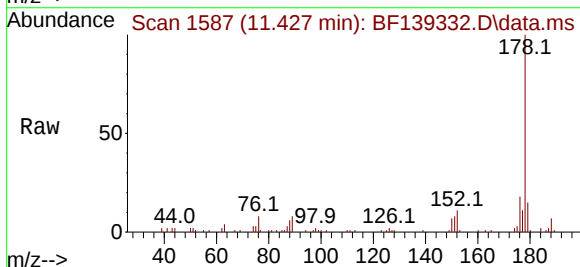
Tgt Ion:178 Resp: 31705

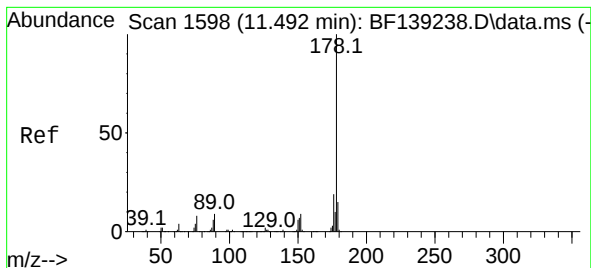
Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

179 15.0 12.3 18.5





#72

Anthracene

Concen: 2.277 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

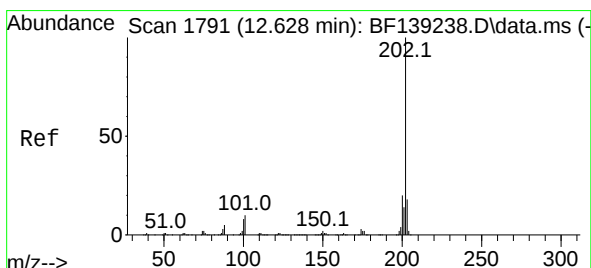
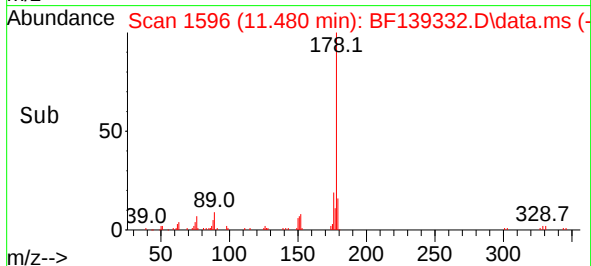
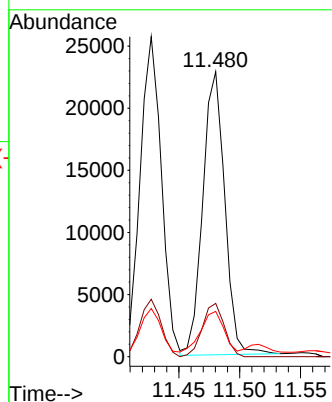
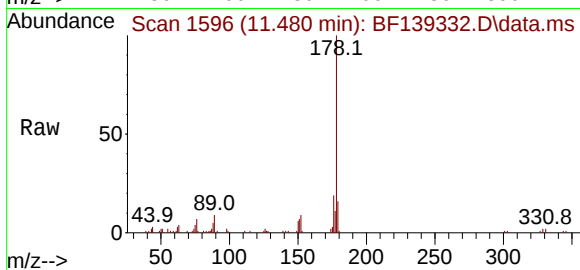
Tgt Ion:178 Resp: 28704

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.9 12.3 18.5



#75

Fluoranthene

Concen: 16.552 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

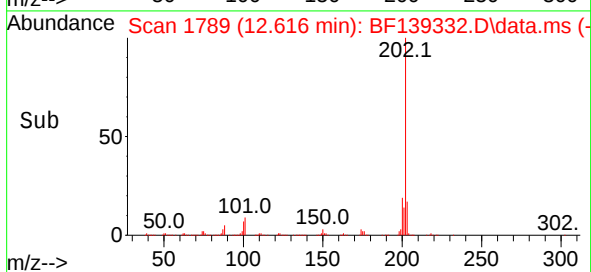
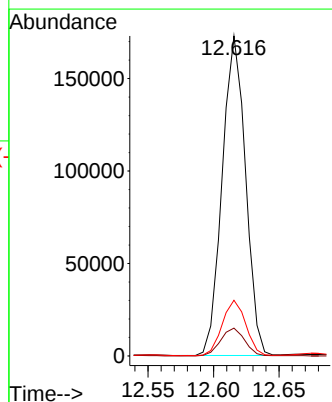
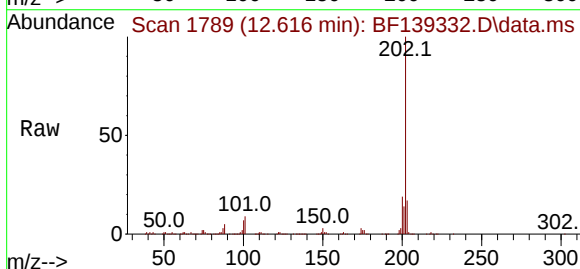
Tgt Ion:202 Resp: 214182

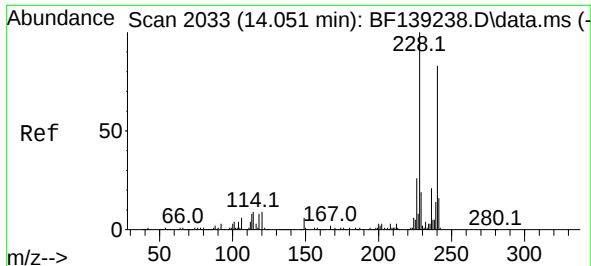
Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.9

203 17.4 0.0 37.7

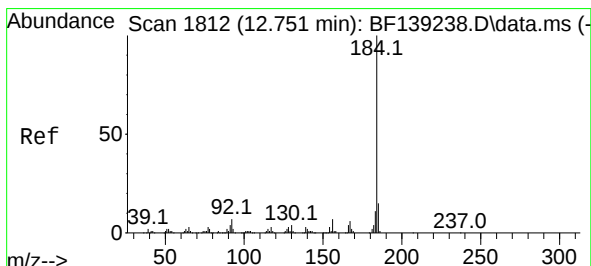
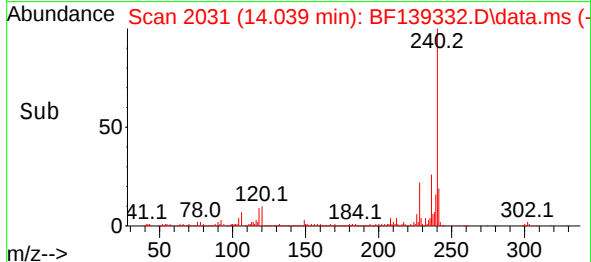
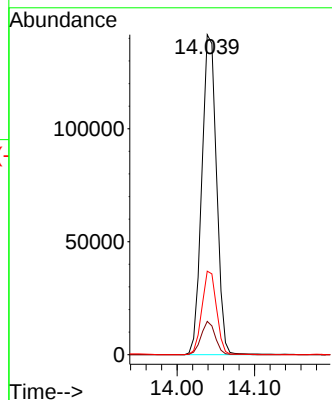
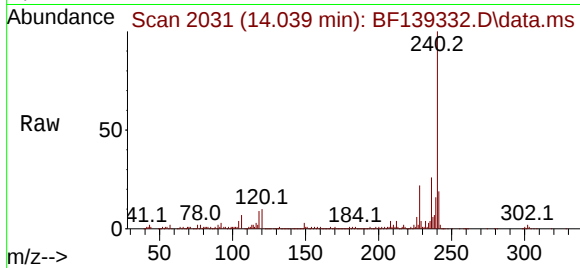




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

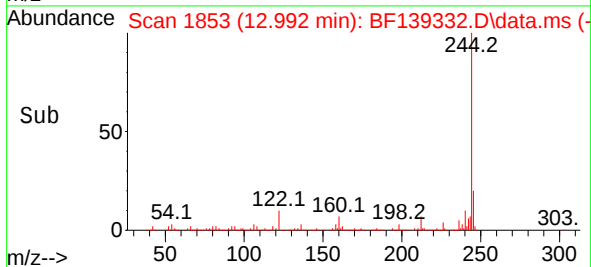
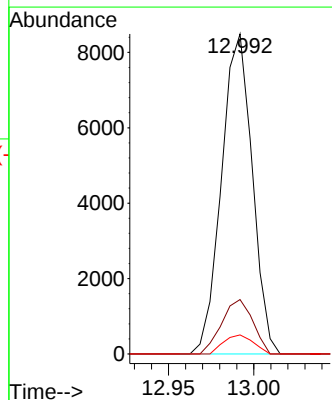
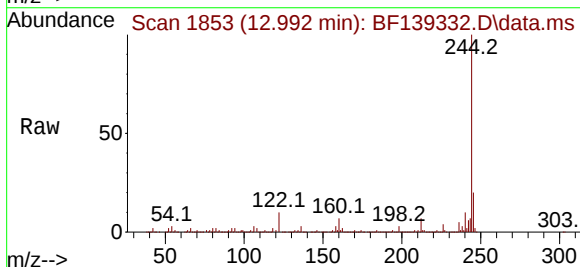
Instrument :
BNA_F
ClientSampleId :
72-11930

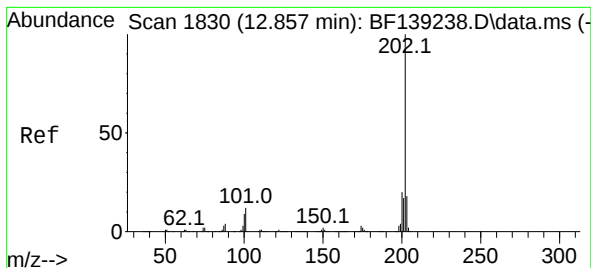
Tgt Ion:240 Resp: 187453
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 26.1 20.7 31.1



#77
Benzidine
Concen: 2.824 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.241 min
Lab File: BF139332.D
Acq: 11 Sep 2024 18:12

Tgt Ion:184 Resp: 10658
Ion Ratio Lower Upper
184 100
185 17.0 11.9 17.9
183 5.9 8.8 13.2#





#78

Pyrene

Concen: 7.176 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

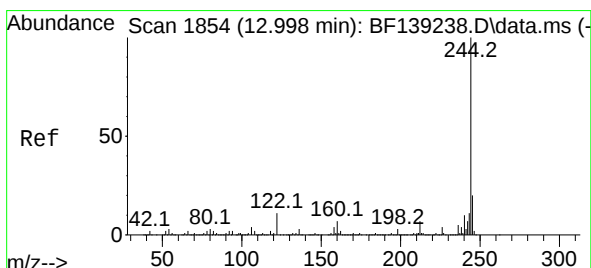
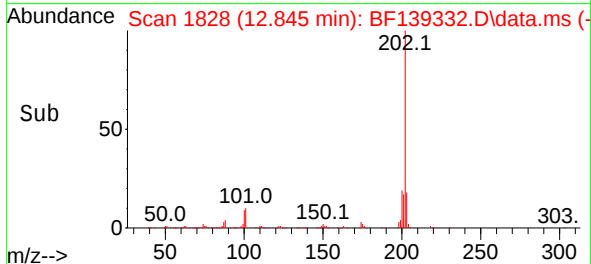
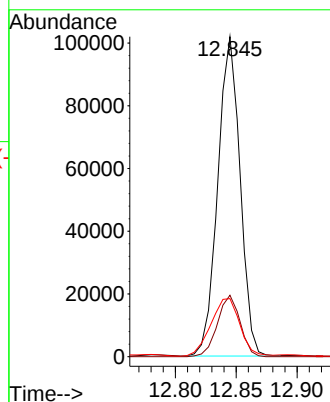
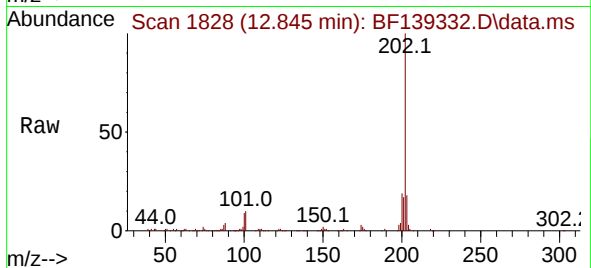
Tgt Ion:202 Resp: 129937

Ion Ratio Lower Upper

202 100

200 19.2 15.8 23.8

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 64.662 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

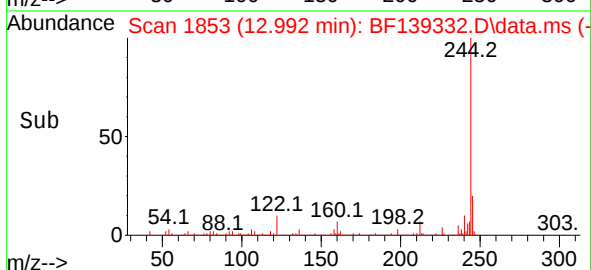
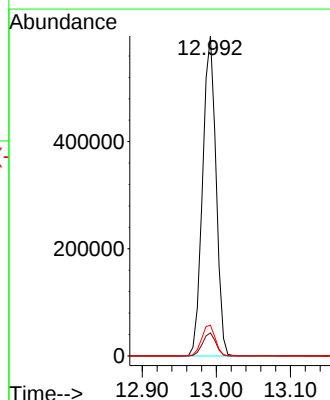
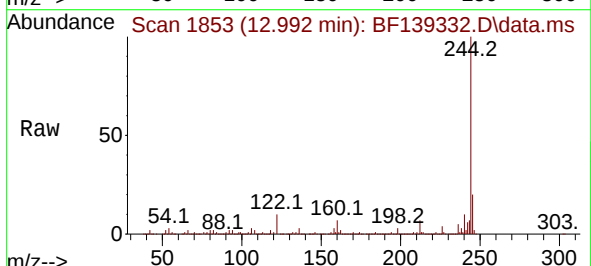
Tgt Ion:244 Resp: 750722

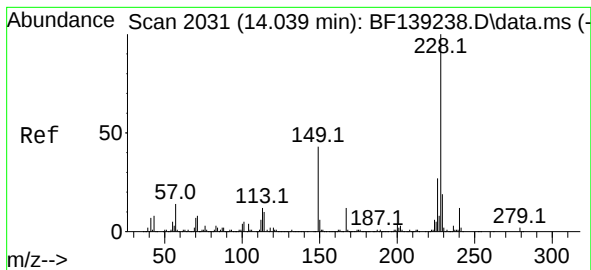
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.6 8.7 13.1





#81

Benzo(a)anthracene

Concen: 5.021 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

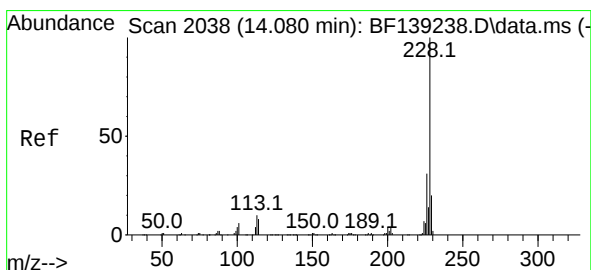
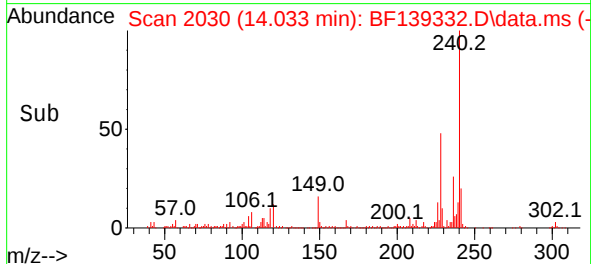
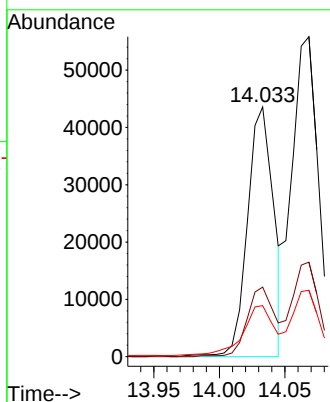
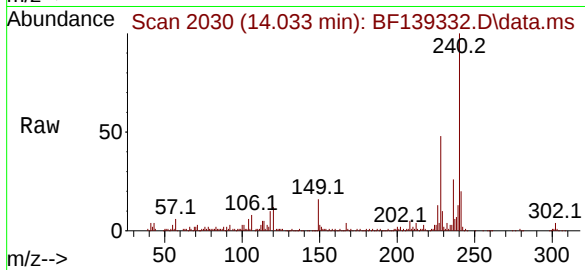
Tgt Ion:228 Resp: 60104

Ion Ratio Lower Upper

228 100

226 27.9 21.5 32.3

229 20.5 15.6 23.4



#83

Chrysene

Concen: 6.956 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

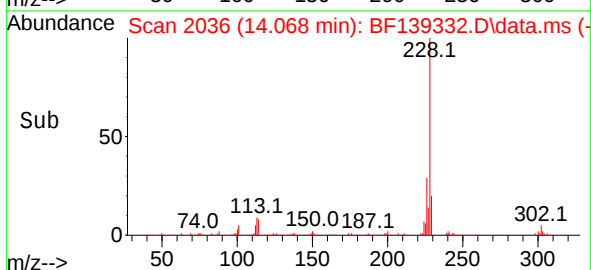
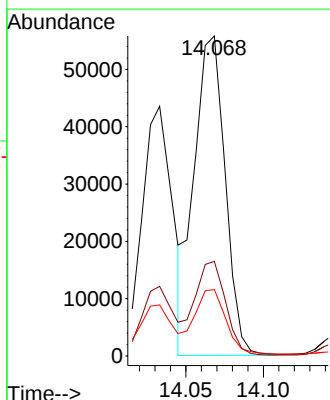
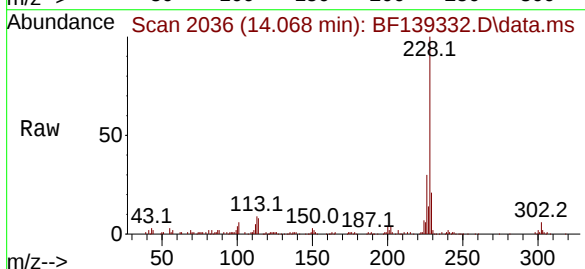
Tgt Ion:228 Resp: 77707

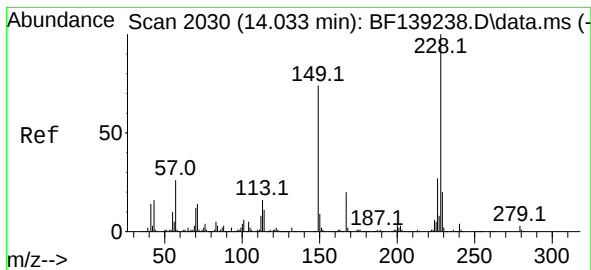
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 20.8 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.019 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

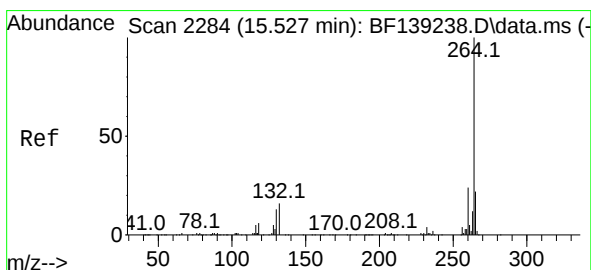
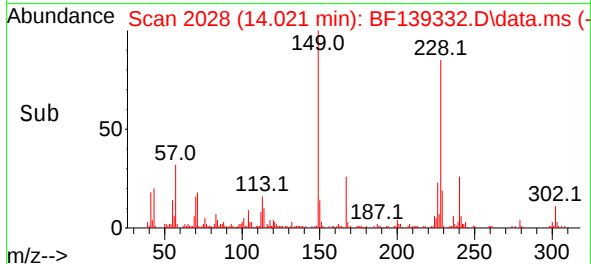
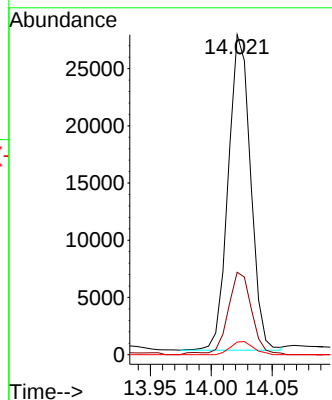
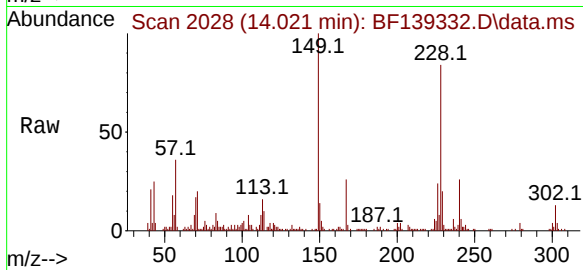
Tgt Ion:149 Resp: 35117

Ion Ratio Lower Upper

149 100

167 25.7 21.8 32.6

279 3.9 3.0 4.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.012 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

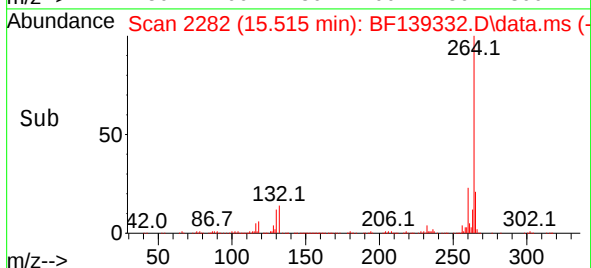
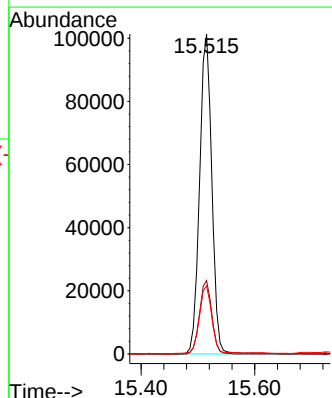
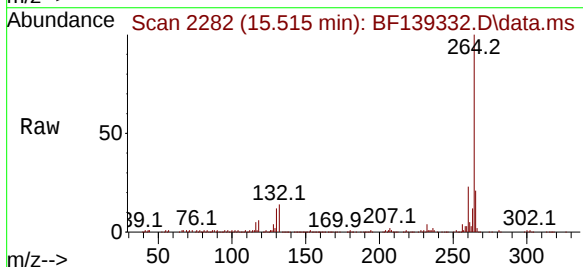
Tgt Ion:264 Resp: 151491

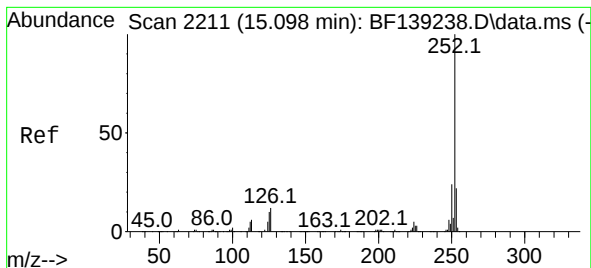
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.2 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 5.774 ng

RT: 15.080 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930

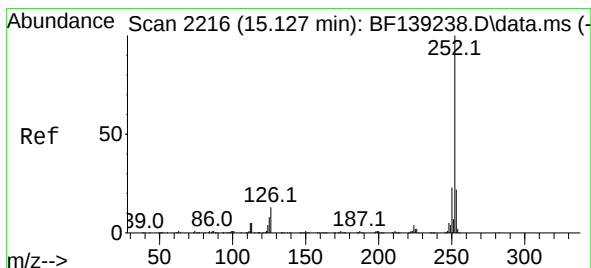
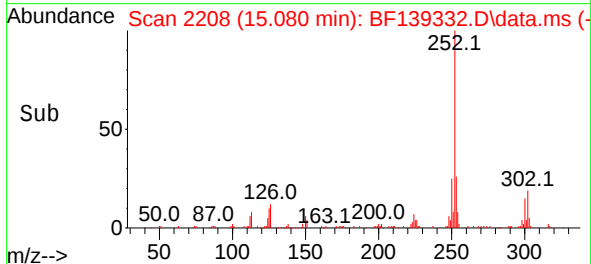
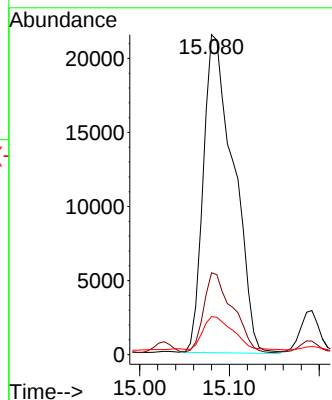
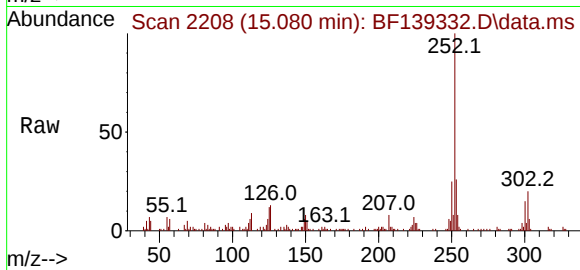
Tgt Ion:252 Resp: 50373

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 11.9 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 6.440 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.047 min

Lab File: BF139332.D

Acq: 11 Sep 2024 18:12

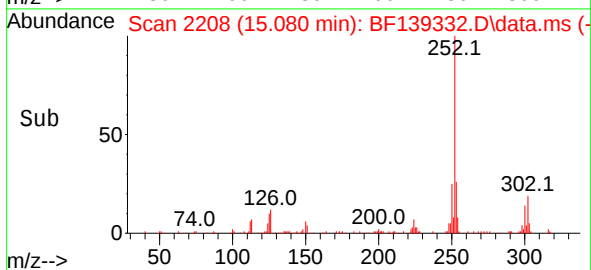
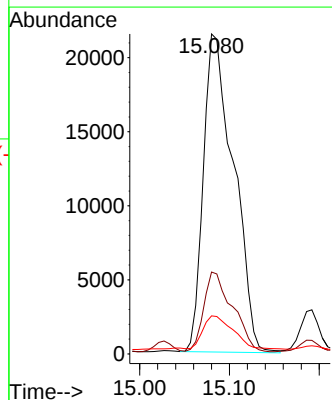
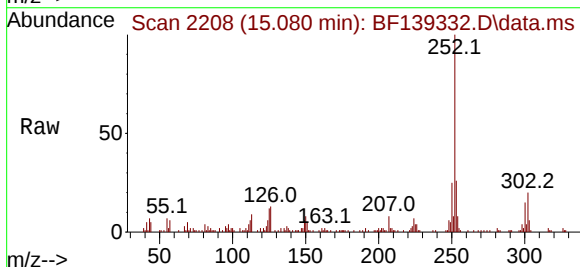
Tgt Ion:252 Resp: 50373

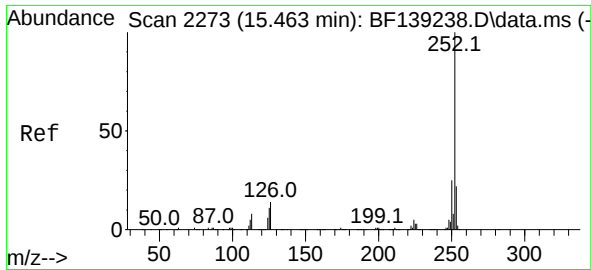
Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 11.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.647 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139332.D

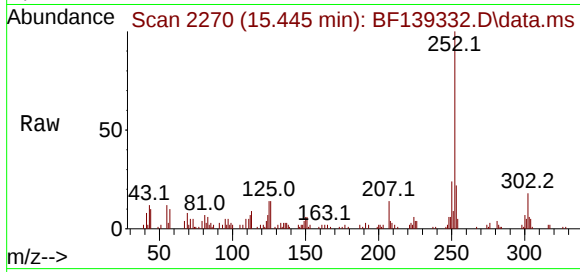
Acq: 11 Sep 2024 18:12

Instrument :

BNA_F

ClientSampleId :

72-11930



Tgt Ion:252 Resp: 19608

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 13.9 8.6 13.0#

